

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD121118\
 Data File : VD060526.D
 Acq On : 11 Dec 2018 10:23
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Quant Time: Dec 12 03:08:59 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D120518S.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 06 01:49:20 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.41	168	1646033	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	7.44	114	2291966	50.00	ug/l	-0.01
63) Chlorobenzene-d5	11.28	117	1855276	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.37	152	913547	50.00	ug/l	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.78	65	555147	47.58	ug/l	-0.01
Spiked Amount			Recovery	=	95.16%	
35) Dibromofluoromethane	6.32	113	797373	47.36	ug/l	-0.01
Spiked Amount			Recovery	=	94.72%	
50) Toluene-d8	9.45	98	2354298	48.33	ug/l	-0.01
Spiked Amount			Recovery	=	96.66%	
62) 4-Bromofluorobenzene	12.42	95	828513	47.53	ug/l	-0.01
Spiked Amount			Recovery	=	95.06%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.61	85	786608	50.292	ug/l	95
3) Chloromethane	1.77	50	770626	45.567	ug/l	96
4) Vinyl Chloride	1.87	62	673100	49.868	ug/l	99
5) Bromomethane	2.17	94	163483	48.415	ug/l	99
6) Chloroethane	2.28	64	199624	44.649	ug/l	95
7) Trichlorofluoromethane	2.52	101	771844	49.525	ug/l	99
8) Diethyl Ether	2.84	74	130237	48.380	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.10	101	490334	48.489	ug/l	99
10) Methyl Iodide	3.26	142	562919	47.623	ug/l	100
11) Tert butyl alcohol	3.98	59	129135	272.438	ug/l	96
12) 1,1-Dichloroethene	3.08	96	389854	47.385	ug/l	99
13) Acrolein	2.99	56	158146	305.344	ug/l	92
14) Allyl chloride	3.55	41	773572	49.557	ug/l	99
15) Acrylonitrile	4.10	53	694826	258.166	ug/l	97
16) Acetone	3.17	43	551355	294.822	ug/l	99
17) Carbon Disulfide	3.33	76	1294570	48.441	ug/l	98
18) Methyl Acetate	3.56	43	205757	46.293	ug/l	100
19) Methyl tert-butyl Ether	4.14	73	1160220	50.851	ug/l	98
20) Methylene Chloride	3.73	84	868053	50.606	ug/l	97
21) trans-1,2-Dichloroethene	4.11	96	896668	50.103	ug/l	96
22) Diisopropyl ether	4.86	45	2933623	52.344	ug/l	98
23) Vinyl Acetate	4.81	43	7281533	262.227	ug/l	99
24) 1,1-Dichloroethane	4.77	63	1487910	51.103	ug/l	100
25) 2-Butanone	5.62	43	1074200	291.957	ug/l	99
26) 2,2-Dichloropropane	5.59	77	1189599	52.889	ug/l	100
27) cis-1,2-Dichloroethene	5.60	96	928365	51.018	ug/l	99
28) Bromochloromethane	5.93	49	685156	53.121	ug/l	96
29) Tetrahydrofuran	5.96	42	534021	256.308	ug/l	100
30) Chloroform	6.10	83	1478704	50.411	ug/l	99
31) Cyclohexane	6.37	56	1372599	55.556	ug/l	100
32) 1,1,1-Trichloroethane	6.29	97	1252975	51.960	ug/l	99
36) 1,1-Dichloropropene	6.53	75	1152778	51.455	ug/l	99
37) Ethyl Acetate	5.70	43	513955	52.897	ug/l	99
38) Carbon Tetrachloride	6.50	117	1056356	52.521	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.04	83	1361316	53.302	ug/l	99
40) Benzene	6.79	78	2985565	52.144	ug/l	100
41) Methacrylonitrile	5.95	41	578875	110.523	ug/l #	72
42) 1,2-Dichloroethane	6.89	62	753571	51.764	ug/l	99
43) Isopropyl Acetate	8.35	43	656663	54.750	ug/l #	99
44) Trichloroethene	7.74	130	900202	52.609	ug/l	96
45) 1,2-Dichloropropane	8.10	63	742000	52.398	ug/l	98
46) Dibromomethane	8.21	93	424448	51.877	ug/l	92
47) Bromodichloromethane	8.49	83	1016826	52.378	ug/l	99
48) Methyl methacrylate	8.24	41	381458	53.752	ug/l	98
49) 1,4-Dioxane	8.23	88	74367	1156.220	ug/l	93
51) 4-Methyl-2-Pentanone	9.34	43	2068479	277.252	ug/l	99
52) Toluene	9.55	92	1894155	52.929	ug/l	100
53) t-1,3-Dichloropropene	9.91	75	849974	53.284	ug/l	100
54) cis-1,3-Dichloropropene	9.11	75	1131397	53.984	ug/l	99
55) 1,1,2-Trichloroethane	10.18	97	502468	50.419	ug/l	100
56) Ethyl methacrylate	10.03	69	494020	54.773	ug/l	95
57) 1,3-Dichloropropane	10.38	76	799303	51.883	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.92	63	1409877	261.248	ug/l	98
59) 2-Hexanone	10.48	43	1556630	298.501	ug/l	98
60) Dibromochloromethane	10.64	129	676569	54.299	ug/l	99
61) 1,2-Dibromoethane	10.76	107	541053	53.273	ug/l	99
64) Tetrachloroethene	10.25	164	826397	50.304	ug/l	99
65) Chlorobenzene	11.31	112	1954817	49.805	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.42	131	641012	50.670	ug/l	96
67) Ethyl Benzene	11.43	91	3307851	49.409	ug/l	100
68) m/p-Xylenes	11.57	106	2507058	101.223	ug/l	97
69) o-Xylene	11.93	106	1172842	49.689	ug/l	92
70) Styrene	11.95	104	1916449	50.583	ug/l	97
71) Bromoform	12.12	173	436674	51.738	ug/l	98
73) Isopropylbenzene	12.27	105	3323046	51.404	ug/l	99
74) N-amyl acetate	12.13	43	828992	53.060	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.56	83	525717	50.797	ug/l	99
76) 1,2,3-Trichloropropane	12.60	75	543865	52.542	ug/l	99
77) Bromobenzene	12.54	156	869859	51.191	ug/l	92
78) n-propylbenzene	12.64	91	4199907	51.395	ug/l	99
79) 2-Chlorotoluene	12.71	91	2262203	51.016	ug/l	99
80) 1,3,5-Trimethylbenzene	12.80	105	2498719	50.584	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.34	75	162339	56.232	ug/l	99
82) 4-Chlorotoluene	12.81	91	2470425	49.603	ug/l	93
83) tert-Butylbenzene	13.04	119	2873753	51.886	ug/l	93
84) 1,2,4-Trimethylbenzene	13.09	105	2532092	49.505	ug/l	99
85) sec-Butylbenzene	13.22	105	3570263	51.719	ug/l	98
86) p-Isopropyltoluene	13.34	119	2745894	50.179	ug/l	96
87) 1,3-Dichlorobenzene	13.31	146	1554961	50.541	ug/l	95
88) 1,4-Dichlorobenzene	13.39	146	1501795	49.757	ug/l	95
89) n-Butylbenzene	13.64	91	2872199	53.812	ug/l	98
90) Hexachloroethane	13.86	117	725089	52.848	ug/l	91
91) 1,2-Dichlorobenzene	13.66	146	1229829	48.913	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.22	75	67099	53.508	ug/l	89

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Quant Title : SW846 8260
QLast Update : Thu Dec 06 01:49:20 2018
Response via : Initial Calibration

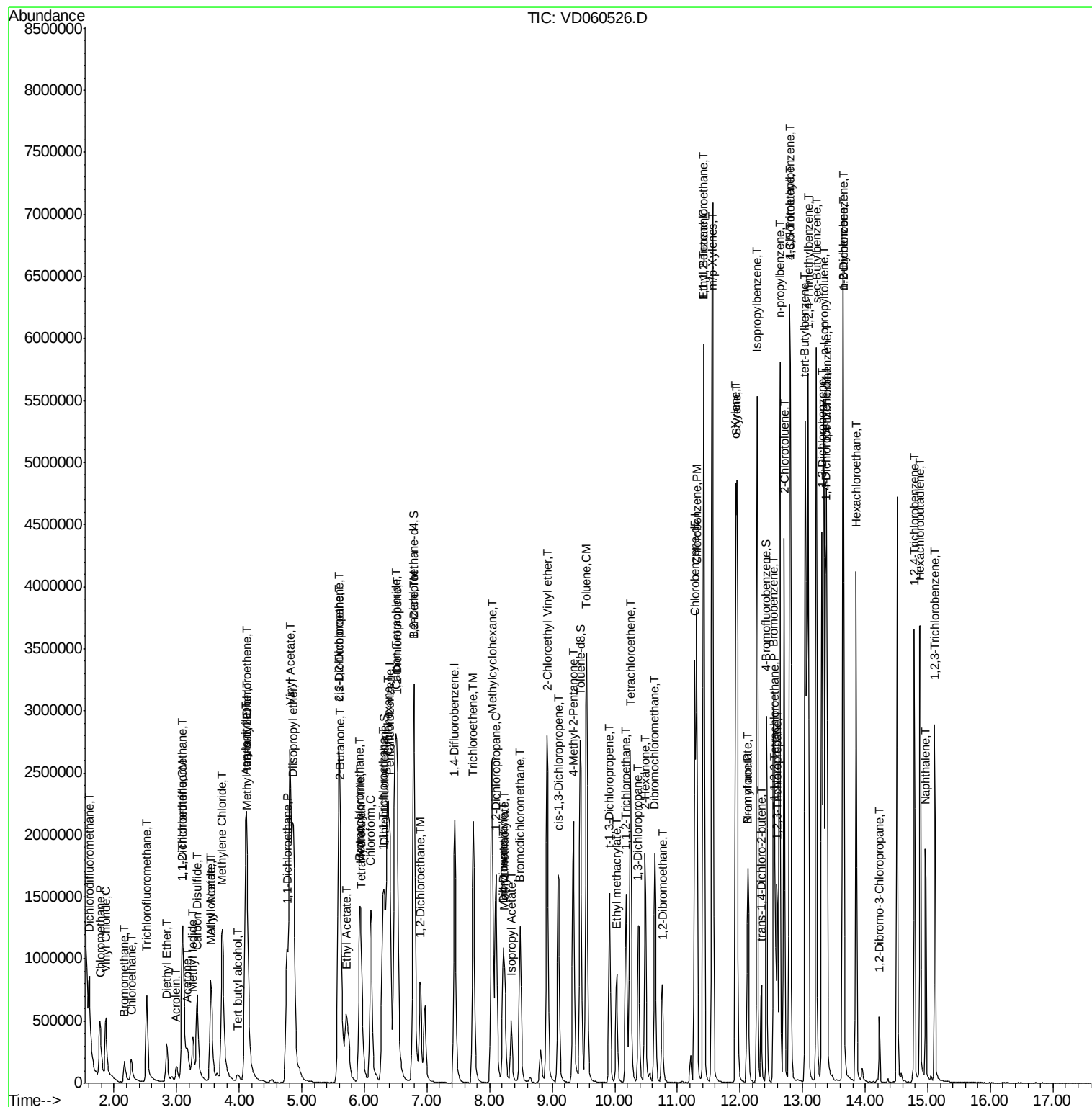
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.78	180	1007943	51.281	ug/l	95
94) Hexachlorobutadiene	14.88	225	752541	51.893	ug/l	99
95) Naphthalene	14.97	128	1222977	52.302	ug/l	100
96) 1,2,3-Trichlorobenzene	15.11	180	813090	51.917	ug/l	97

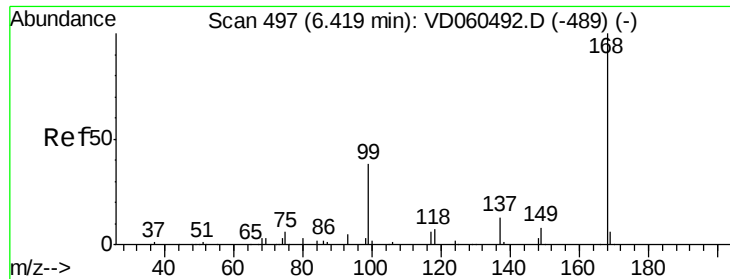
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 6.41 min Scan# 496

Delta R.T. -0.01 min

Lab File: VD060526.D

Acq: 11 Dec 2018 10:23

Instrument :

MSVOA_D

ClientSampleId :

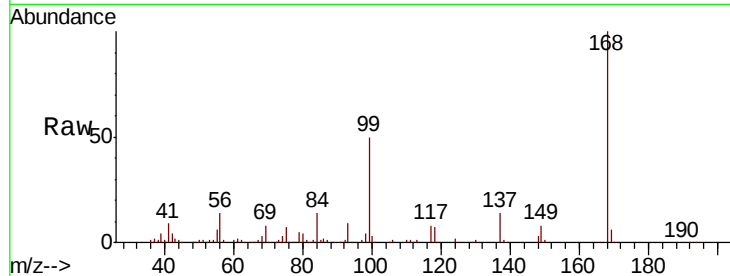
VSTDCCC050

Tot Ion:168 Resp: 1646033

Ion Ratio Lower Upper

168 100

99 49.8 35.6 53.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

6.41

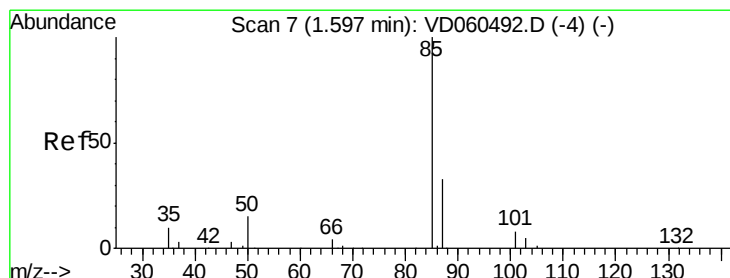
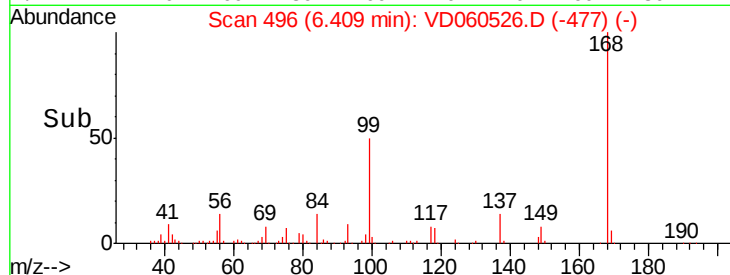
600000

400000

200000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 50.292 ug/l

RT: 1.61 min Scan# 8

Delta R.T. 0.01 min

Lab File: VD060526.D

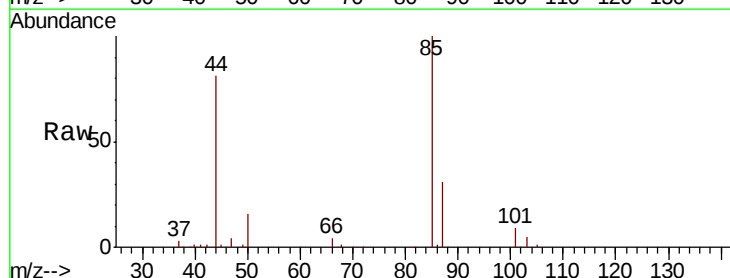
Acq: 11 Dec 2018 10:23

Tgt Ion: 85 Resp: 786608

Ion Ratio Lower Upper

85 100

87 30.7 16.7 50.0



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.61

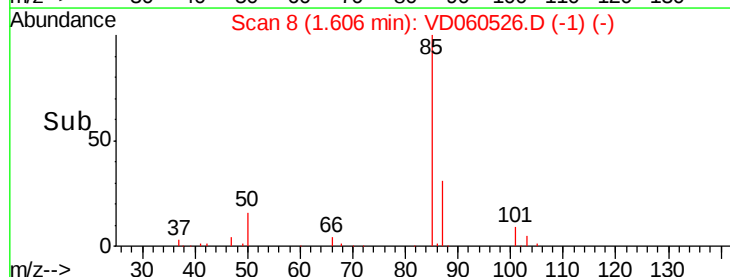
300000

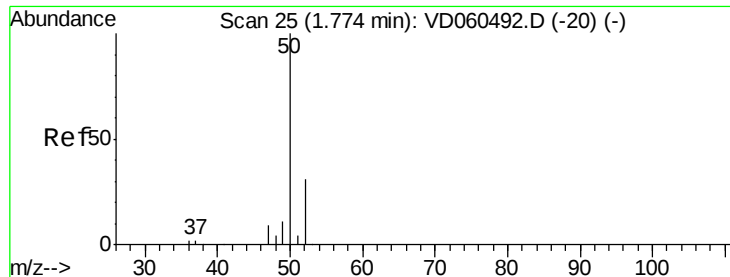
200000

100000

0

Time-->





#3

Chloromethane

Concen: 45.567 ug/l

RT: 1.77 min Scan# 25

Delta R.T. -0.00 min

Lab File: VD060526.D

Acq: 11 Dec 2018 10:23

Instrument :

MSVOA_D

ClientSampleId :

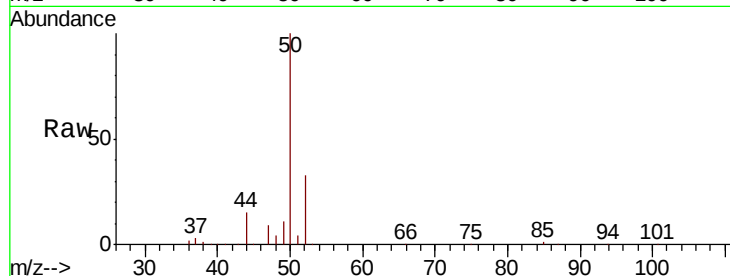
VSTDCCC050

Tot Ion: 50 Resp: 770626

Ion Ratio Lower Upper

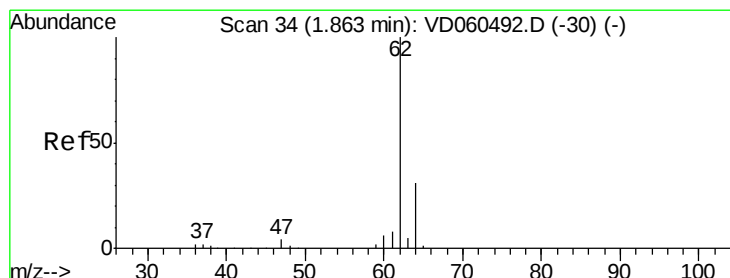
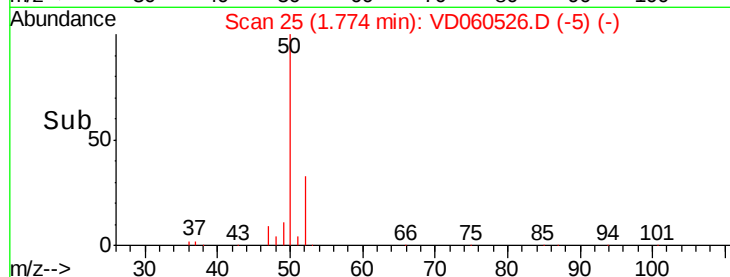
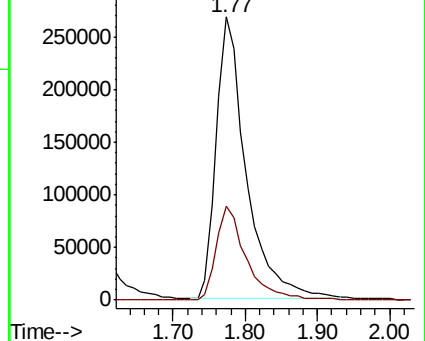
50 100

52 33.1 25.0 37.4



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 49.868 ug/l

RT: 1.87 min Scan# 35

Delta R.T. 0.01 min

Lab File: VD060526.D

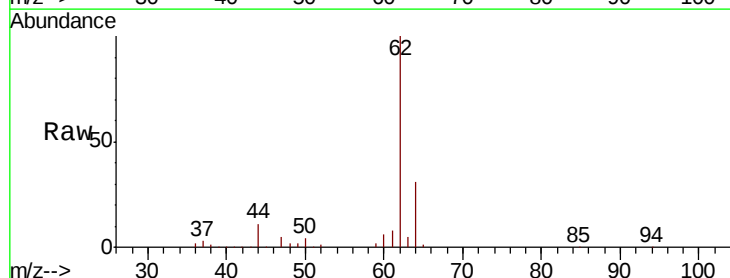
Acq: 11 Dec 2018 10:23

Tgt Ion: 62 Resp: 673100

Ion Ratio Lower Upper

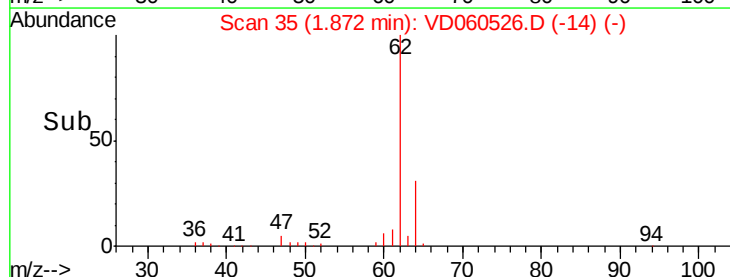
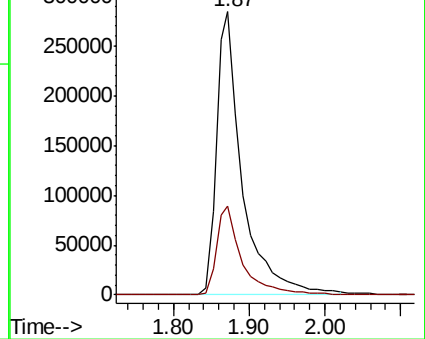
62 100

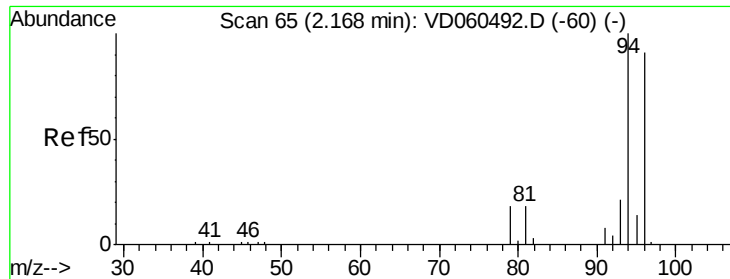
64 31.3 24.6 37.0



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 48.415 ug/l

RT: 2.17 min Scan# 65

Delta R.T. -0.00 min

Lab File: VD060526.D

Acq: 11 Dec 2018 10:23

Instrument :

MSVOA_D

ClientSampleId :

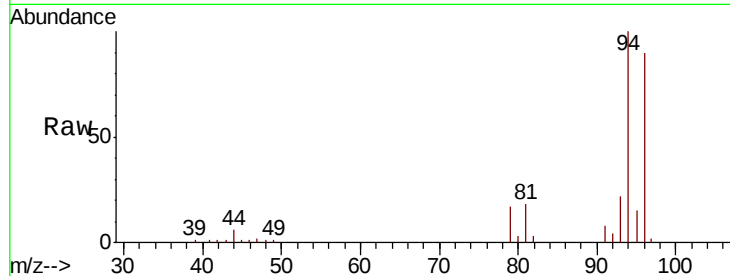
VSTDCCC050

Tot Ion: 94 Resp: 163483

Ion Ratio Lower Upper

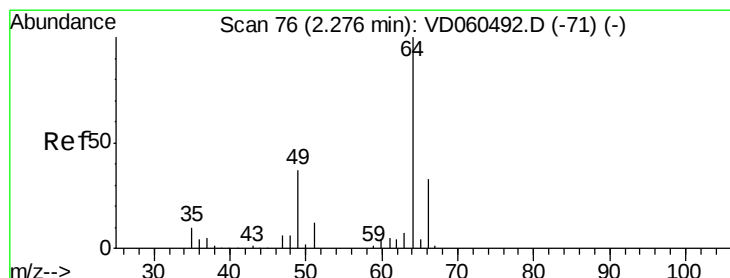
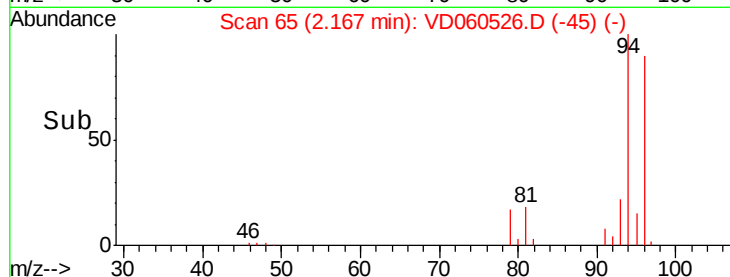
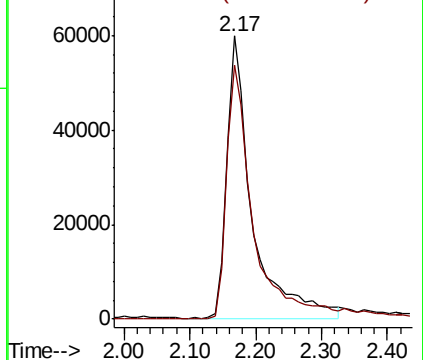
94 100

96 89.8 72.6 108.8



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 44.649 ug/l

RT: 2.28 min Scan# 76

Delta R.T. -0.00 min

Lab File: VD060526.D

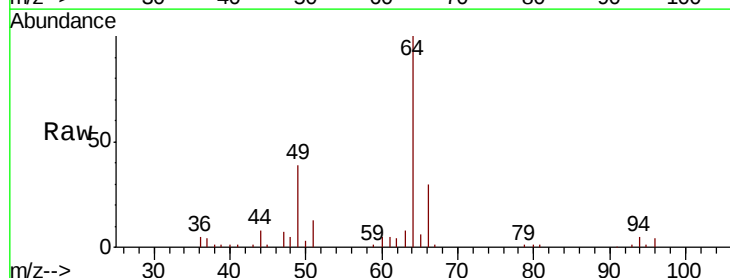
Acq: 11 Dec 2018 10:23

Tgt Ion: 64 Resp: 199624

Ion Ratio Lower Upper

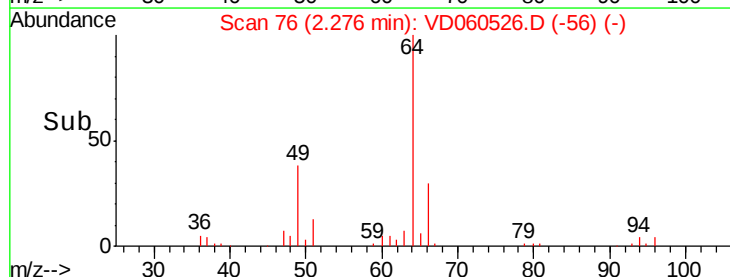
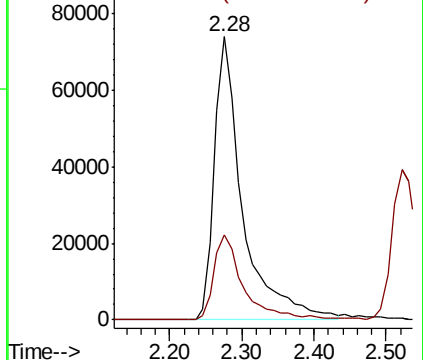
64 100

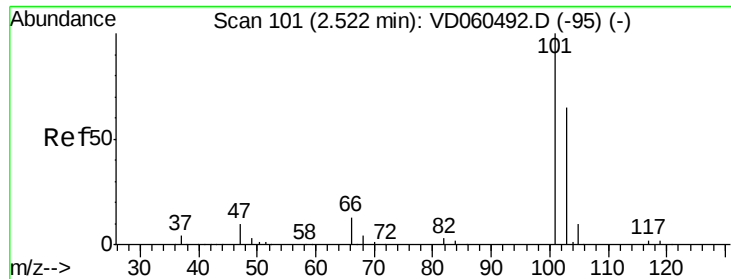
66 29.9 26.4 39.6



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC



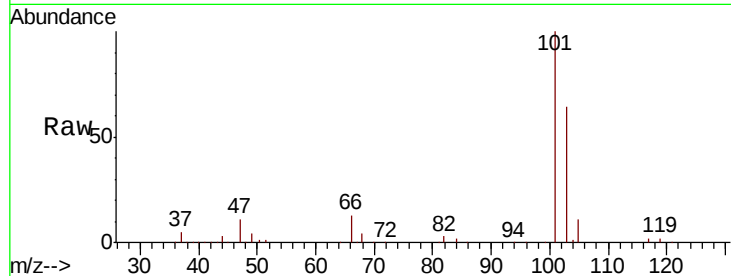


#7

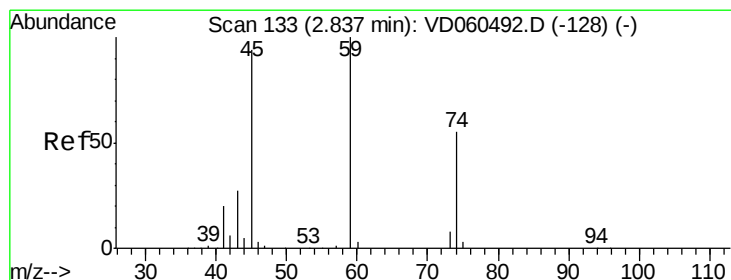
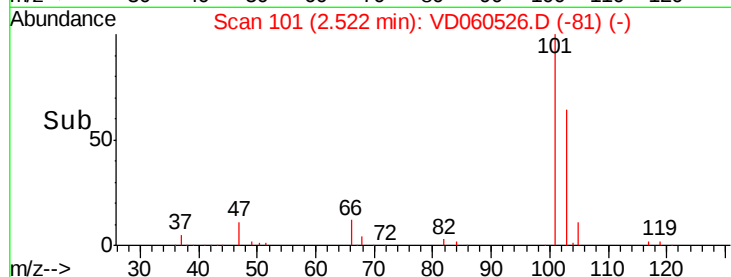
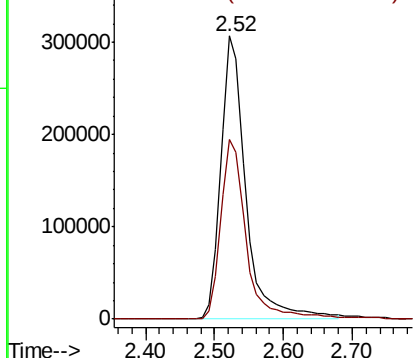
Trichlorofluoromethane
Concen: 49.525 ug/l
RT: 2.52 min Scan# 101
Delta R.T. -0.00 min
Lab File: VD060526.D
Acq: 11 Dec 2018 10:23

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:101 Resp: 771844
Ion Ratio Lower Upper
101 100
103 63.7 51.8 77.8



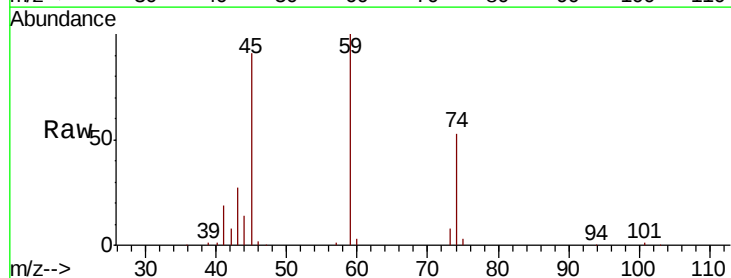
Abundance Ion 100.85 (100.55 to 101.55): V
Ion 102.85 (102.55 to 103.55): V



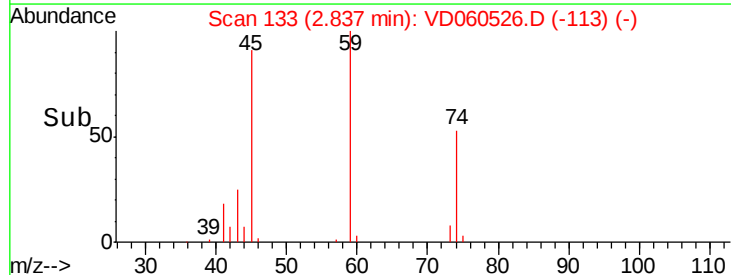
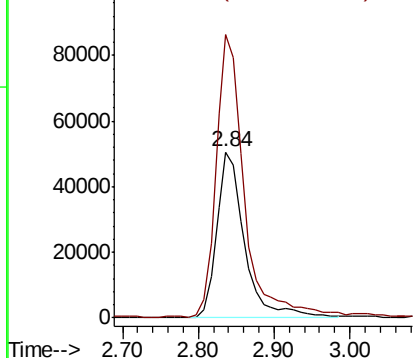
#8

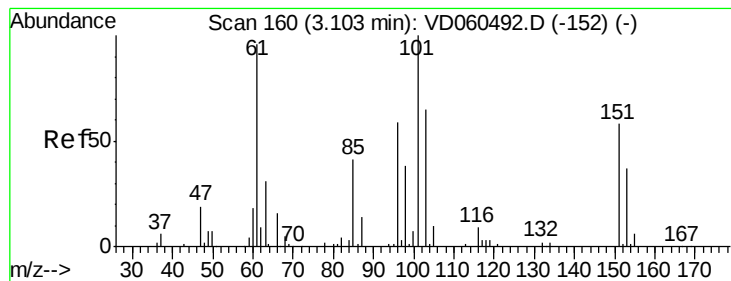
Diethyl Ether
Concen: 48.380 ug/l
RT: 2.84 min Scan# 133
Delta R.T. -0.00 min
Lab File: VD060526.D
Acq: 11 Dec 2018 10:23

Tgt Ion: 74 Resp: 130237
Ion Ratio Lower Upper
74 100
45 170.9 86.0 258.0



Abundance Ion 74.00 (73.70 to 74.70): VDC
Ion 45.05 (44.75 to 45.75): VDC





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.489 ug/l

RT: 3.10 min Scan# 160

Delta R.T. -0.00 min

Lab File: VD060526.D

Acq: 11 Dec 2018 10:23

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

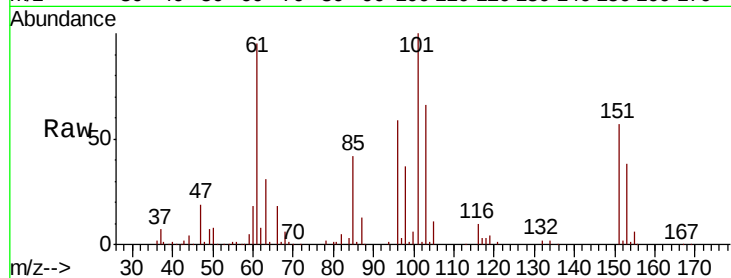
Tot Ion:101 Resp: 490334

Ion Ratio Lower Upper

101 100

85 42.0 32.7 49.1

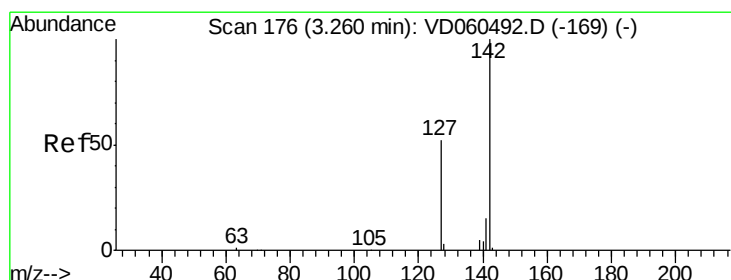
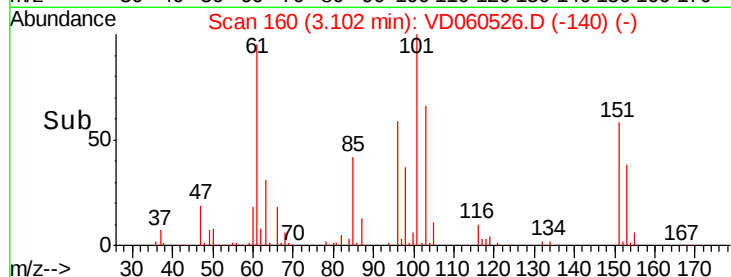
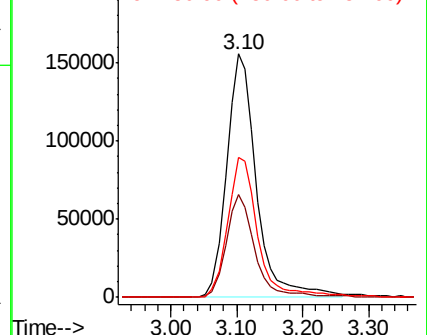
151 57.5 46.6 69.8



Abundance Ion 100.85 (100.55 to 101.55): V

Ion 84.95 (84.65 to 85.65): V

Ion 150.90 (150.60 to 151.60): V



#10

Methyl Iodide

Concen: 47.623 ug/l

RT: 3.26 min Scan# 176

Delta R.T. -0.00 min

Lab File: VD060526.D

Acq: 11 Dec 2018 10:23

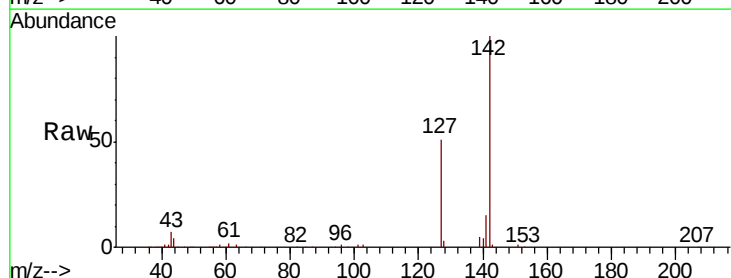
Tgt Ion:142 Resp: 562919

Ion Ratio Lower Upper

142 100

127 51.5 41.2 61.8

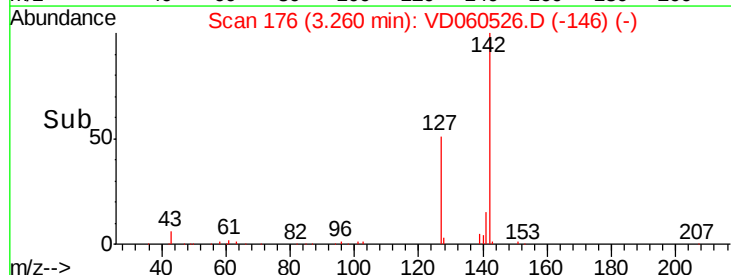
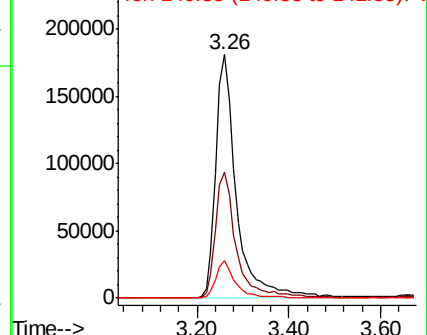
141 15.3 11.9 17.9

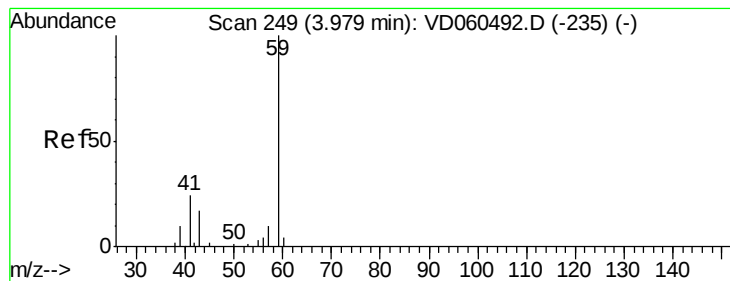


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



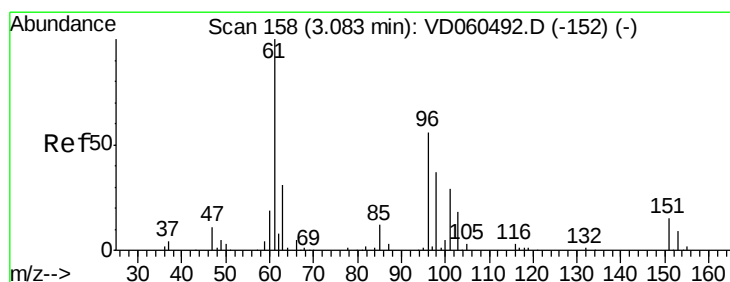
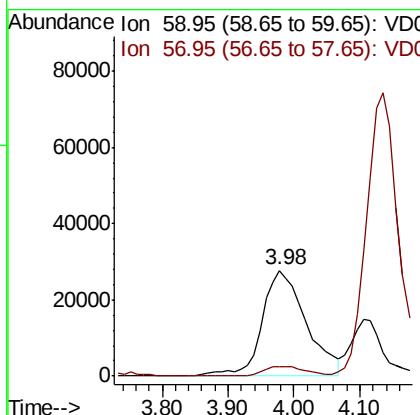
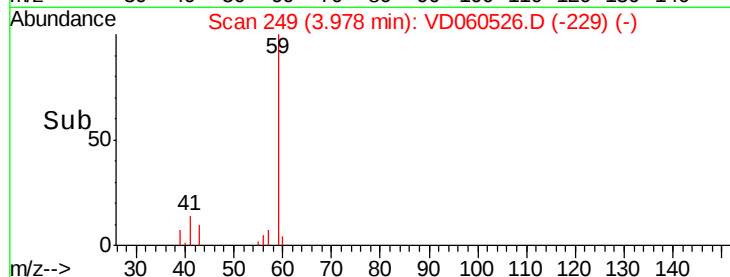
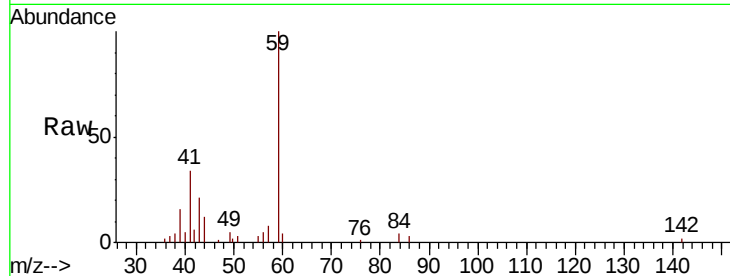


#11

Tert butyl alcohol
 Concen: 272.438 ug/l
 RT: 3.98 min Scan# 249
 Delta R.T. -0.00 min
 Lab File: VD060526.D
 Acq: 11 Dec 2018 10:23

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

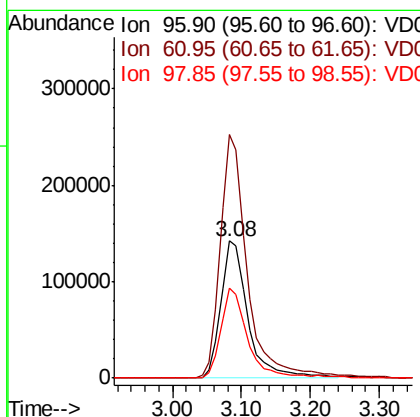
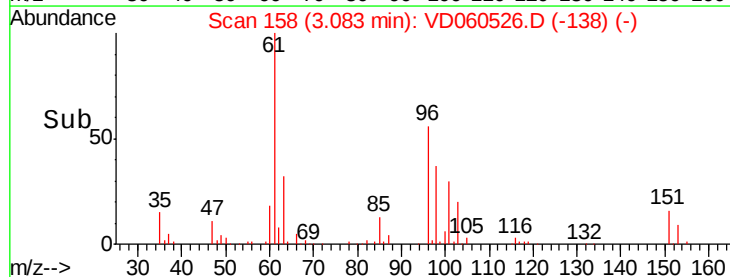
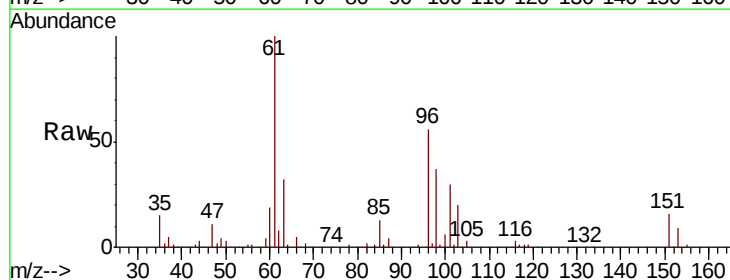
Tot Ion: 59 Resp: 129135
 Ion Ratio Lower Upper
 59 100
 57 8.5 8.1 12.1

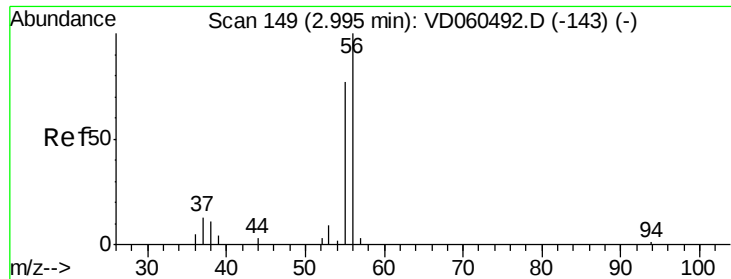


#12

1,1-Dichloroethene
 Concen: 47.385 ug/l
 RT: 3.08 min Scan# 158
 Delta R.T. -0.00 min
 Lab File: VD060526.D
 Acq: 11 Dec 2018 10:23

Tgt Ion: 96 Resp: 389854
 Ion Ratio Lower Upper
 96 100
 61 177.7 143.0 214.4
 98 65.5 53.4 80.0





#13

Acrolein

Concen: 305.344 ug/l

RT: 2.99 min Scan# 149

Delta R.T. -0.00 min

Lab File: VD060526.D

Acq: 11 Dec 2018 10:23

Instrument :

MSVOA_D

ClientSampleId :

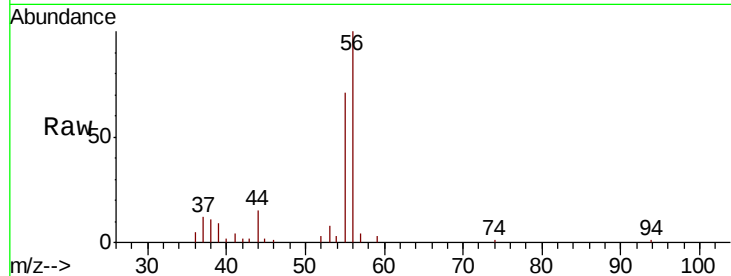
VSTDCCC050

Tot Ion: 56 Resp: 158146

Ion Ratio Lower Upper

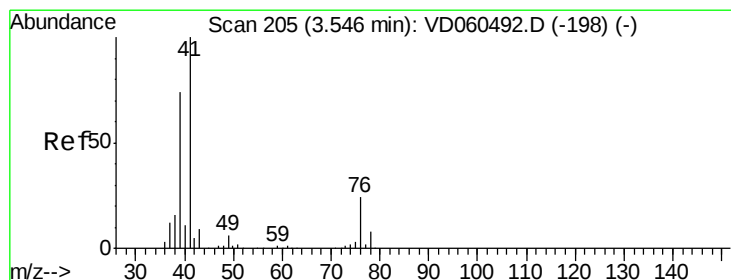
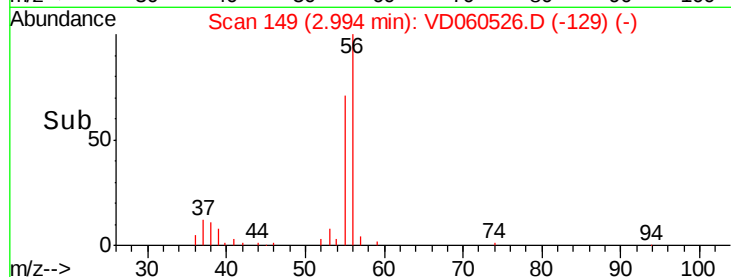
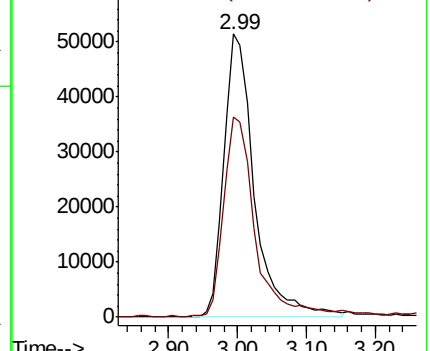
56 100

55 70.6 62.0 93.0



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 49.557 ug/l

RT: 3.55 min Scan# 205

Delta R.T. -0.00 min

Lab File: VD060526.D

Acq: 11 Dec 2018 10:23

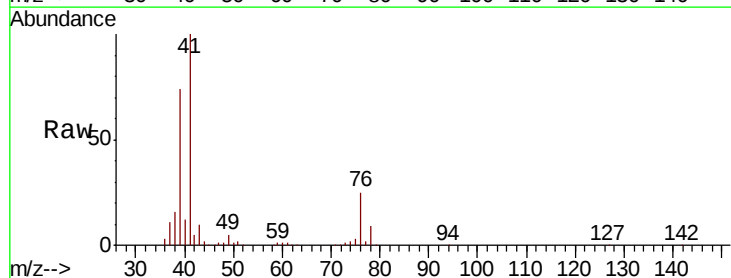
Tgt Ion: 41 Resp: 773572

Ion Ratio Lower Upper

41 100

39 74.5 59.3 88.9

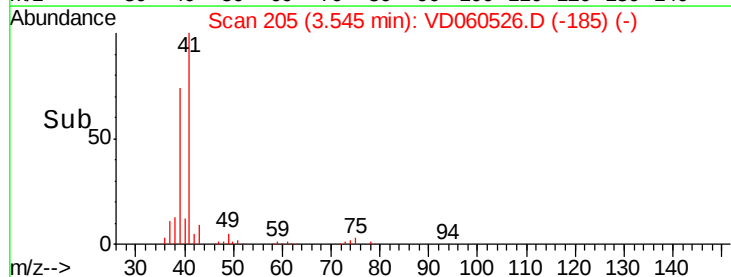
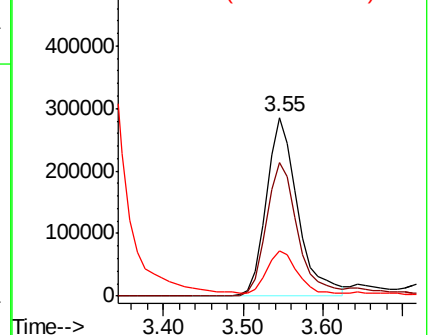
76 25.5 21.0 31.6

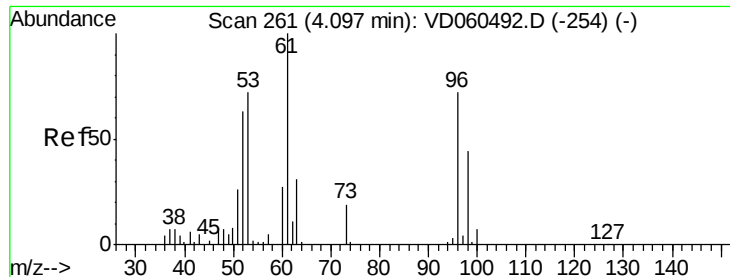


Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC





#15

Acrylonitrile

Concen: 258.166 ug/l

RT: 4.10 min Scan# 261

Delta R.T. -0.00 min

Lab File: VD060526.D

Acq: 11 Dec 2018 10:23

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

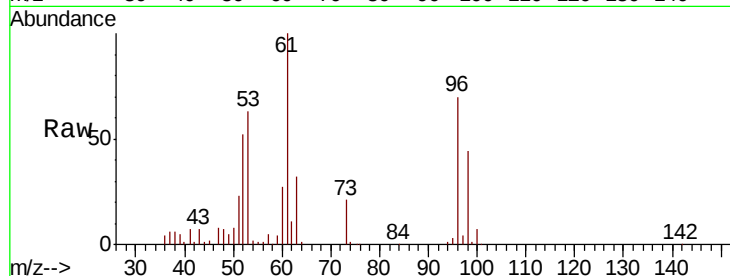
Tot Ion: 53 Resp: 694826

Ion Ratio Lower Upper

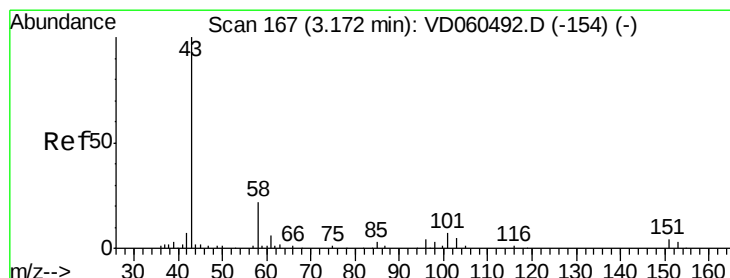
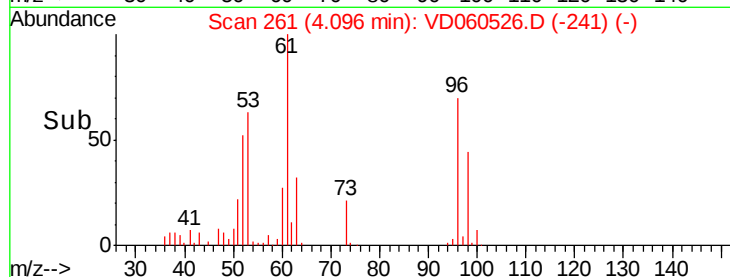
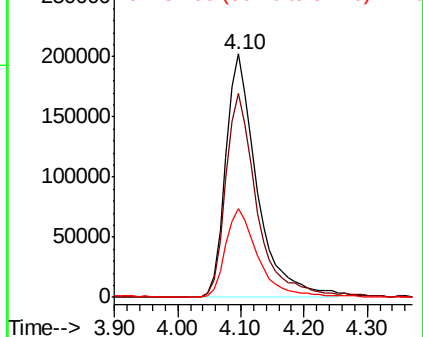
53 100

52 83.5 70.0 105.0

51 36.3 28.8 43.2



Abundance Ion 53.00 (52.70 to 53.70): VDC
Ion 52.00 (51.70 to 52.70): VDC
Ion 51.00 (50.70 to 51.70): VDC



#16

Acetone

Concen: 294.822 ug/l

RT: 3.17 min Scan# 167

Delta R.T. -0.00 min

Lab File: VD060526.D

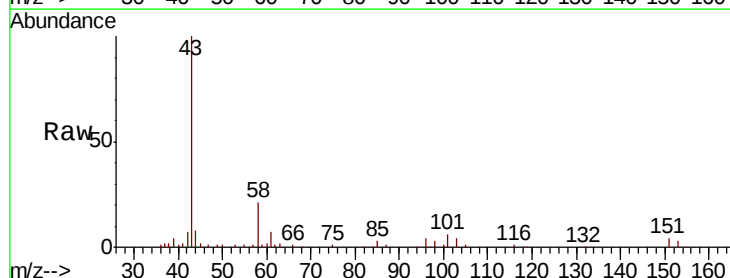
Acq: 11 Dec 2018 10:23

Tgt Ion: 43 Resp: 551355

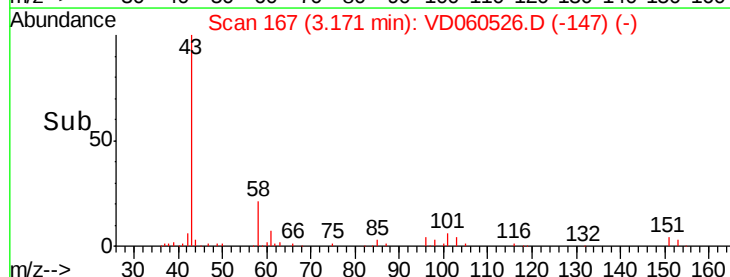
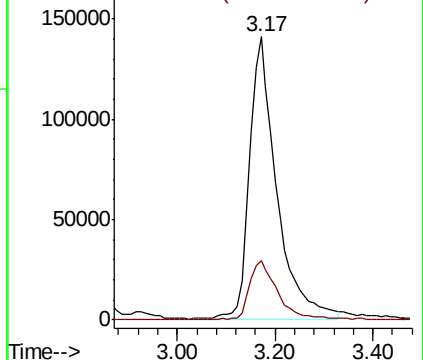
Ion Ratio Lower Upper

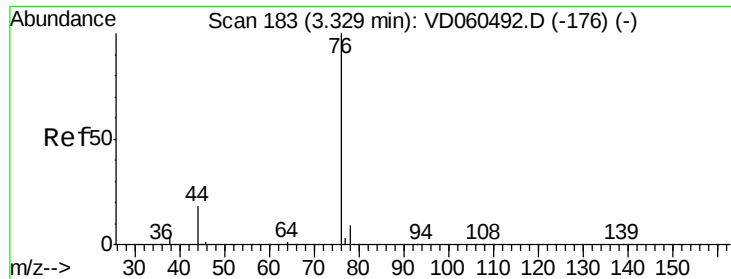
43 100

58 21.0 17.3 25.9



Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 57.95 (57.65 to 58.65): VDC

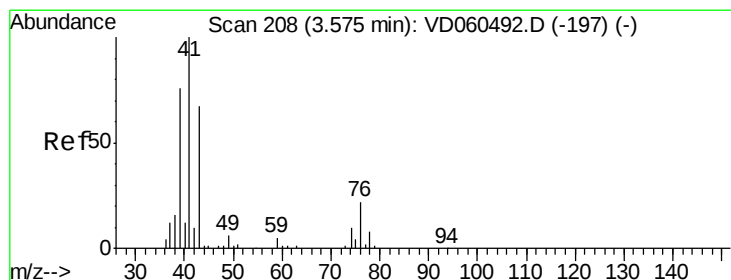
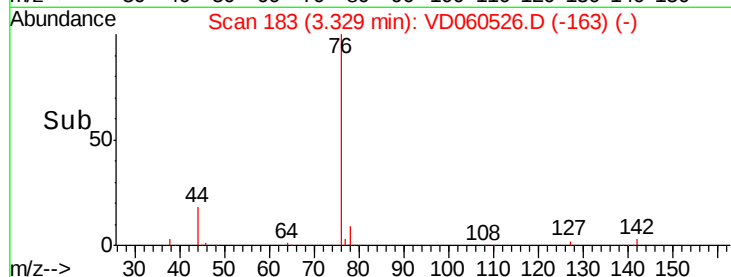
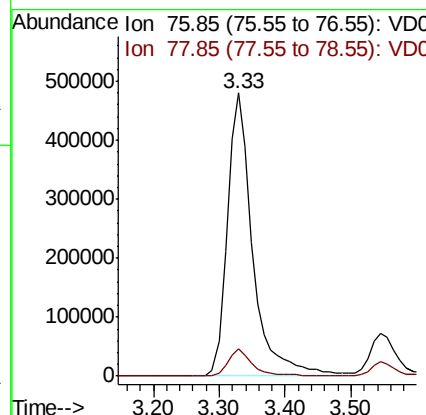
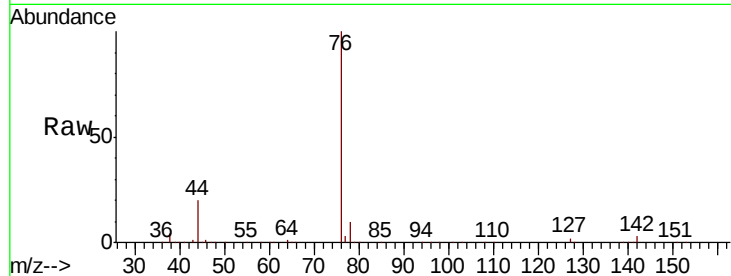




#17
Carbon Disulfide
Concen: 48.441 ug/l
RT: 3.33 min Scan# 183
Delta R.T. -0.00 min
Lab File: VD060526.D
Acq: 11 Dec 2018 10:23

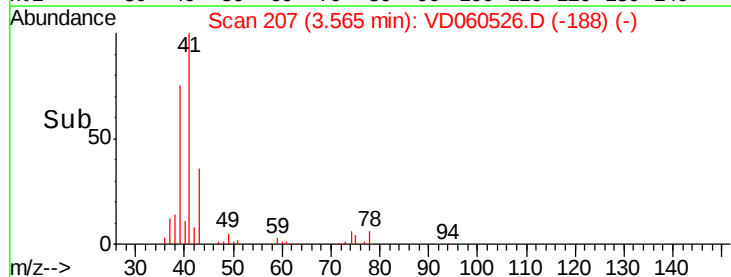
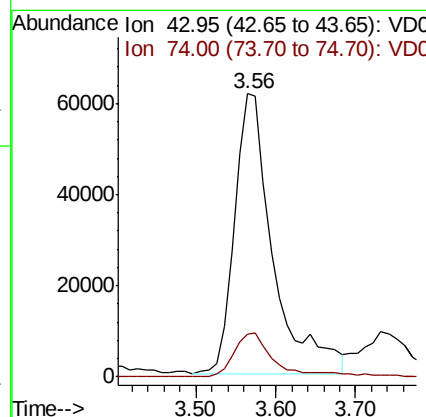
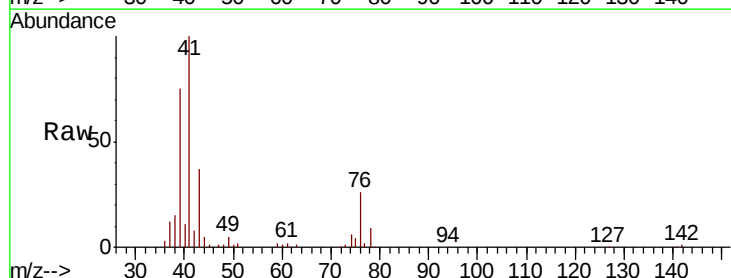
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

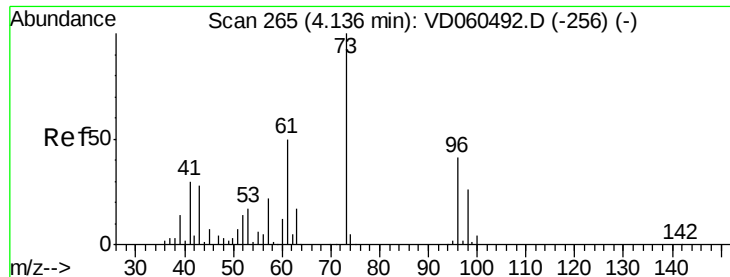
Tot Ion: 76 Resp: 1294570
Ion Ratio Lower Upper
76 100
78 9.5 7.0 10.6



#18
Methyl Acetate
Concen: 46.293 ug/l
RT: 3.56 min Scan# 207
Delta R.T. -0.01 min
Lab File: VD060526.D
Acq: 11 Dec 2018 10:23

Tgt Ion: 43 Resp: 205757
Ion Ratio Lower Upper
43 100
74 15.1 12.0 18.0

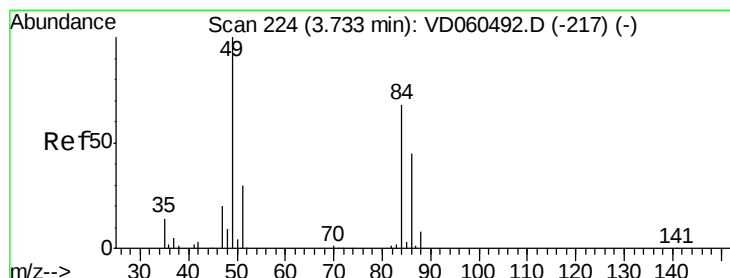
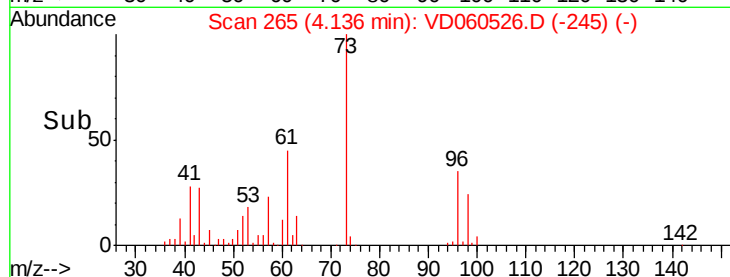
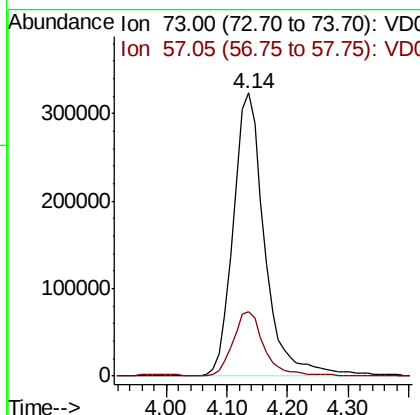
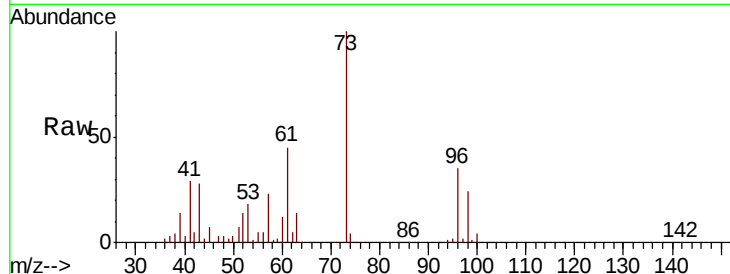




#19
Methyl tert-butyl Ether
Concen: 50.851 ug/l
RT: 4.14 min Scan# 265
Delta R.T. -0.00 min
Lab File: VD060526.D
Acq: 11 Dec 2018 10:23

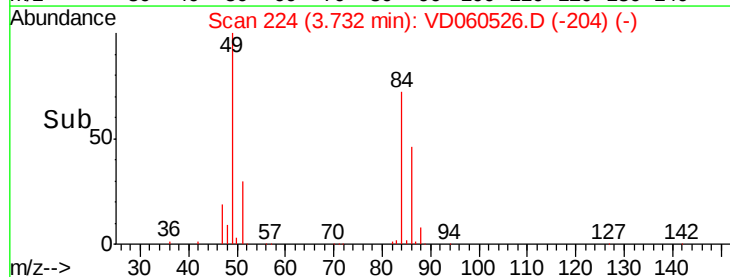
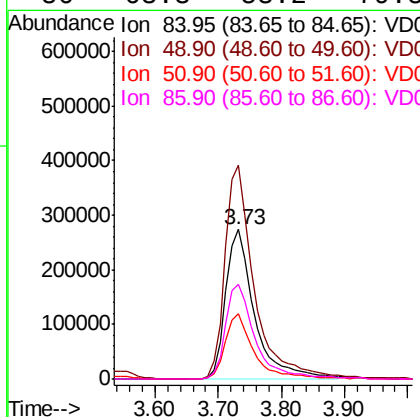
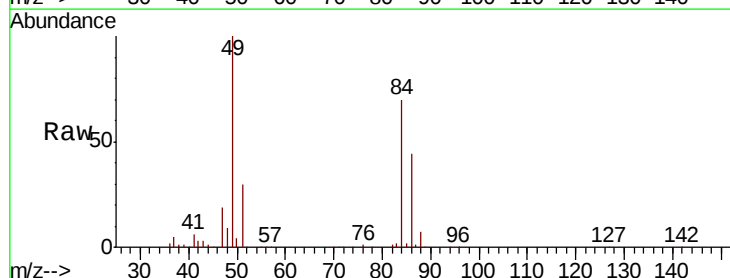
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

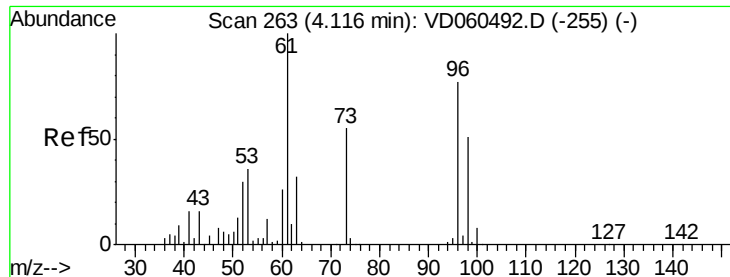
Tot Ion: 73 Resp: 1160220
Ion Ratio Lower Upper
73 100
57 23.0 17.8 26.6



#20
Methylene Chloride
Concen: 50.606 ug/l
RT: 3.73 min Scan# 224
Delta R.T. 0.00 min
Lab File: VD060526.D
Acq: 11 Dec 2018 10:23

Tgt Ion: 84 Resp: 868053
Ion Ratio Lower Upper
84 100
49 143.1 117.2 175.8
51 43.6 35.3 52.9
86 63.3 53.2 79.8





#21

trans-1,2-Dichloroethene

Concen: 50.103 ug/l

RT: 4.11 min Scan# 262

Delta R.T. -0.01 min

Lab File: VD060526.D

Acq: 11 Dec 2018 10:23

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

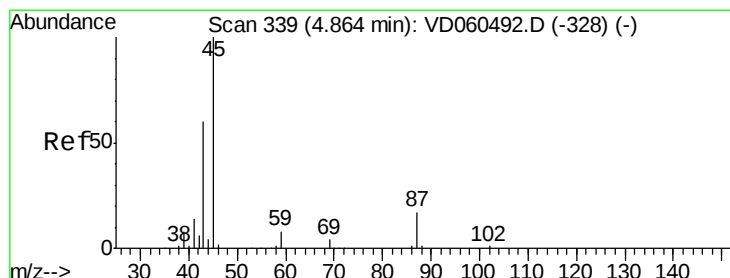
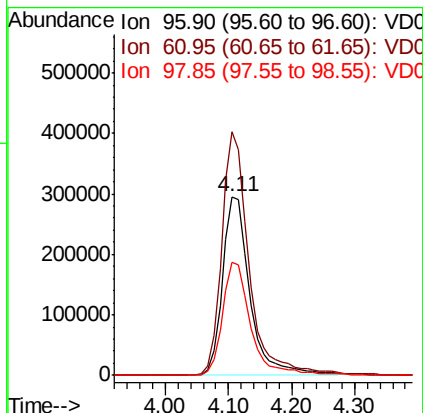
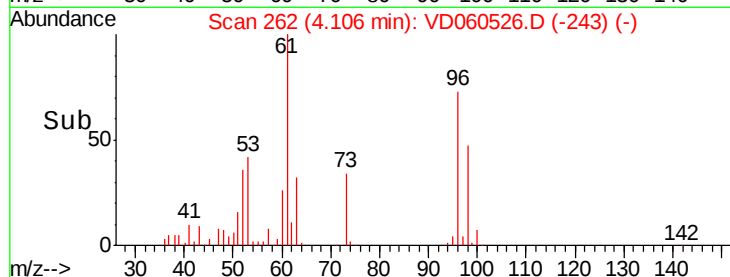
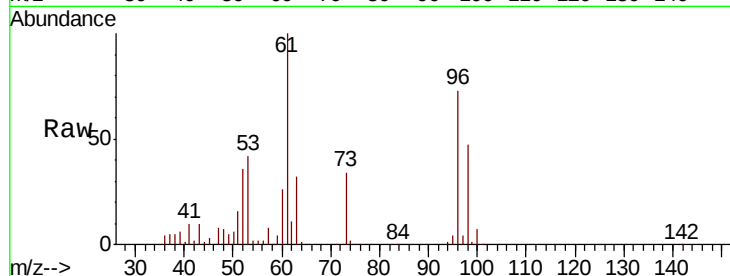
Tot Ion: 96 Resp: 896668

Ion Ratio Lower Upper

96 100

61 136.2 104.2 156.4

98 63.5 52.8 79.2



#22

Diisopropyl ether

Concen: 52.344 ug/l

RT: 4.86 min Scan# 339

Delta R.T. -0.00 min

Lab File: VD060526.D

Acq: 11 Dec 2018 10:23

Tgt Ion: 45 Resp: 2933623

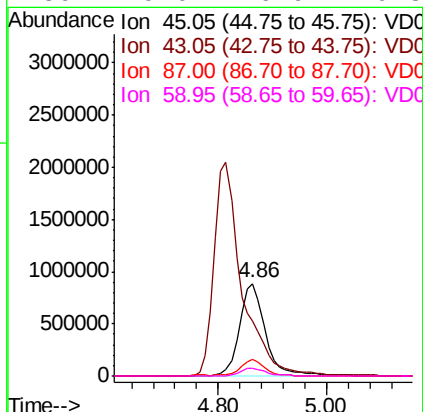
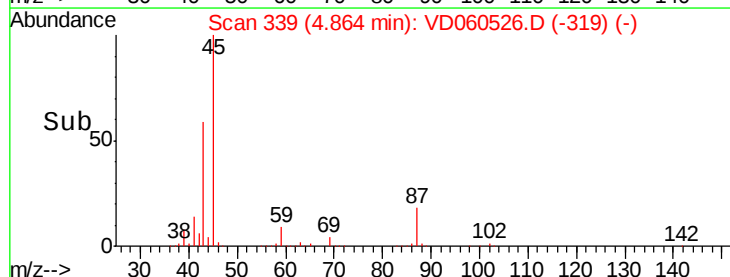
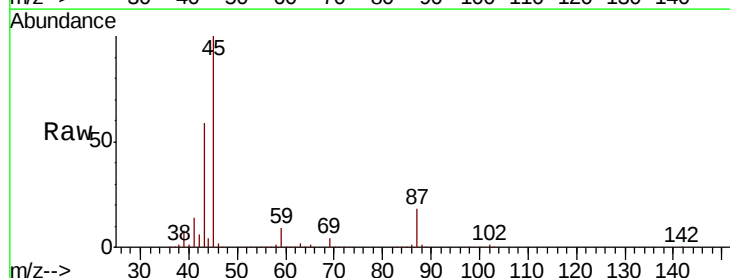
Ion Ratio Lower Upper

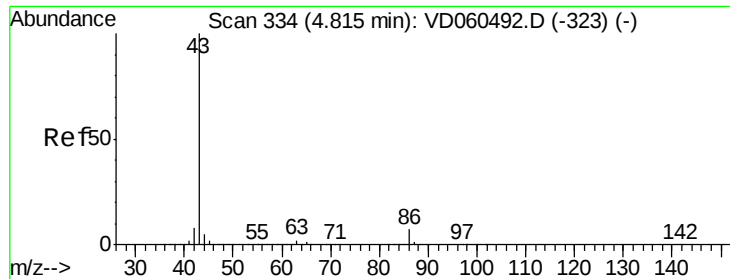
45 100

43 59.2 48.6 73.0

87 17.9 14.0 21.0

59 9.0 6.9 10.3





#23

Vinyl Acetate

Concen: 262.227 ug/l

RT: 4.81 min Scan# 334

Delta R.T. -0.00 min

Lab File: VD060526.D

Acq: 11 Dec 2018 10:23

Instrument :

MSVOA_D

ClientSampleId :

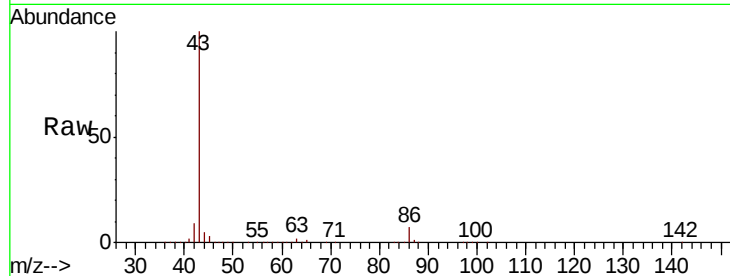
VSTDCCC050

Tot Ion: 43 Resp: 7281533

Ion Ratio Lower Upper

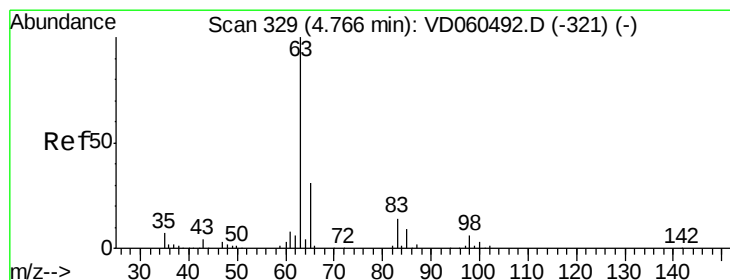
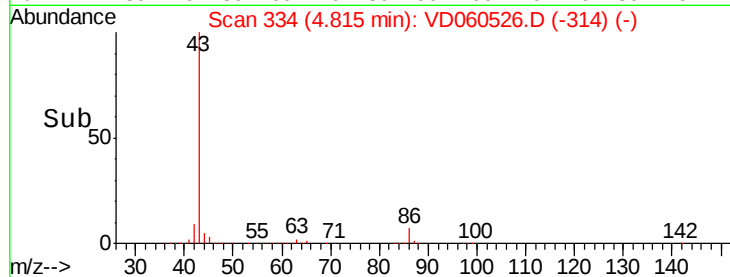
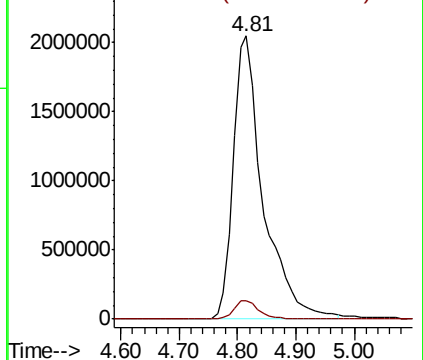
43 100

86 6.6 5.5 8.3



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 51.103 ug/l

RT: 4.77 min Scan# 329

Delta R.T. -0.00 min

Lab File: VD060526.D

Acq: 11 Dec 2018 10:23

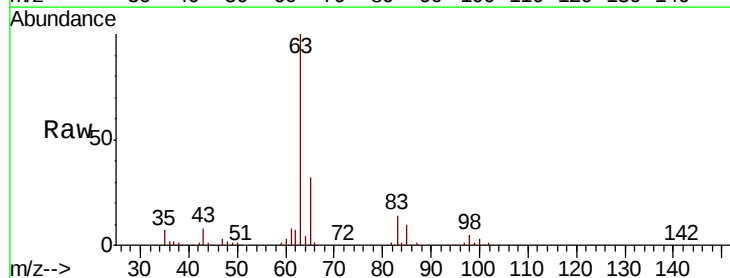
Tgt Ion: 63 Resp: 1487910

Ion Ratio Lower Upper

63 100

98 5.4 2.8 8.3

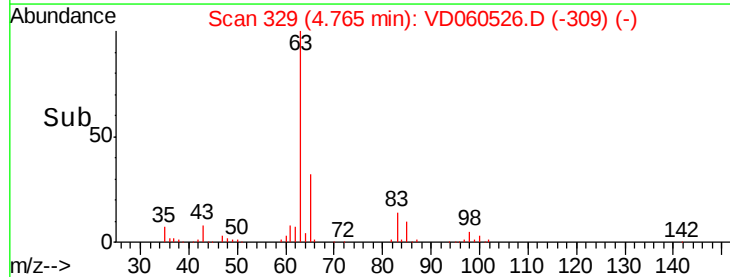
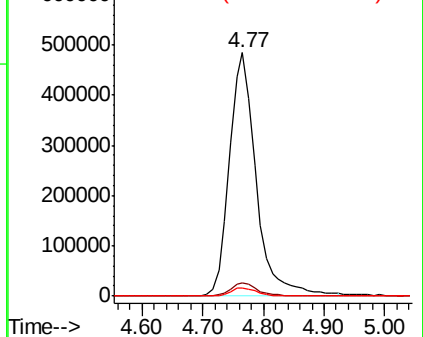
100 3.5 1.7 5.1

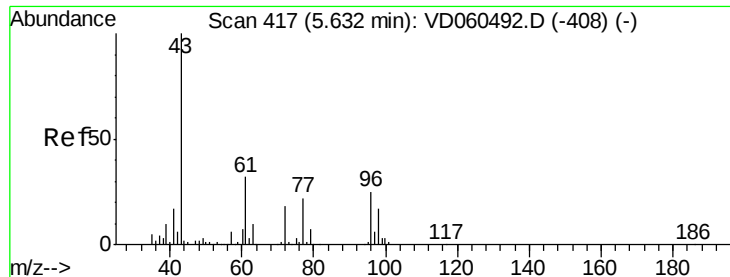


Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC





#25

2-Butanone

Concen: 291.957 ug/l

RT: 5.62 min Scan# 416

Delta R.T. -0.01 min

Lab File: VD060526.D

Acq: 11 Dec 2018 10:23

Instrument :

MSVOA_D

ClientSampleId :

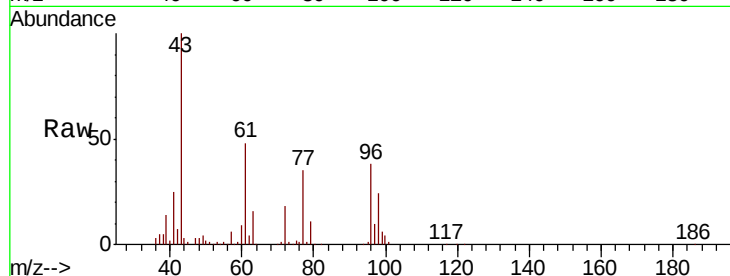
VSTDCCC050

Tot Ion: 43 Resp: 1074200

Ion Ratio Lower Upper

43 100

72 17.6 14.6 21.8



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC

400000

300000

200000

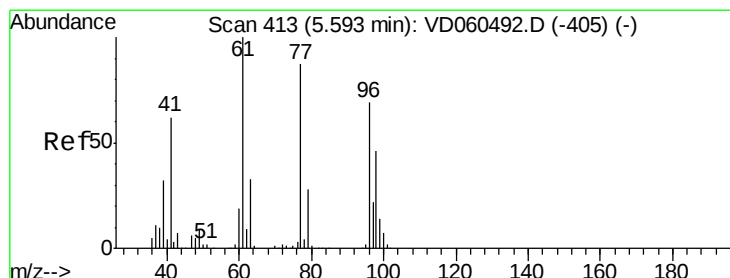
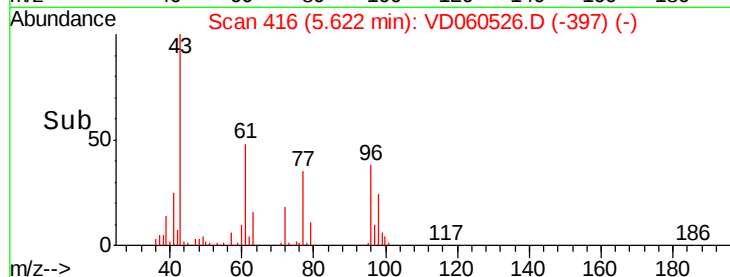
100000

0

5.50 5.60 5.70

5.62

Time-->



#26

2,2-Dichloropropane

Concen: 52.889 ug/l

RT: 5.59 min Scan# 413

Delta R.T. -0.00 min

Lab File: VD060526.D

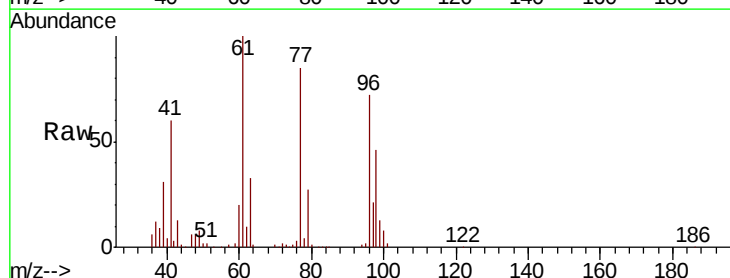
Acq: 11 Dec 2018 10:23

Tgt Ion: 77 Resp: 1189599

Ion Ratio Lower Upper

77 100

97 25.2 12.7 38.0



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC

400000

300000

200000

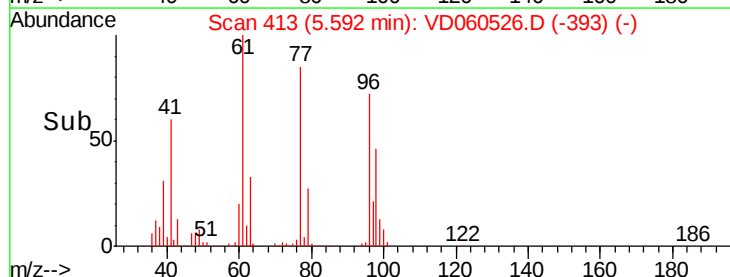
100000

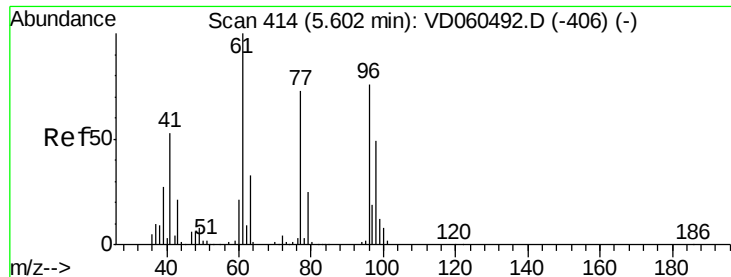
0

5.40 5.50 5.60 5.70 5.80

5.59

Time-->





#27

cis-1,2-Dichloroethene

Concen: 51.018 ug/l

RT: 5.60 min Scan# 414

Delta R.T. -0.00 min

Lab File: VD060526.D

Acq: 11 Dec 2018 10:23

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

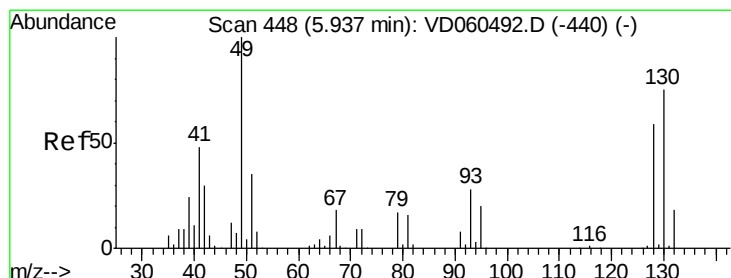
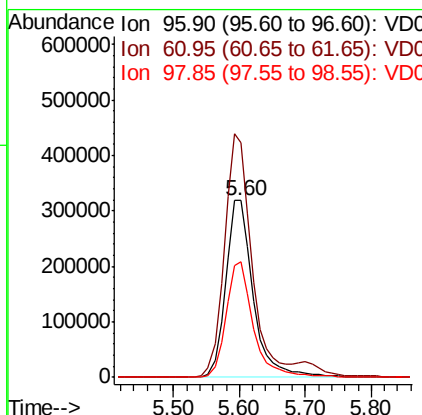
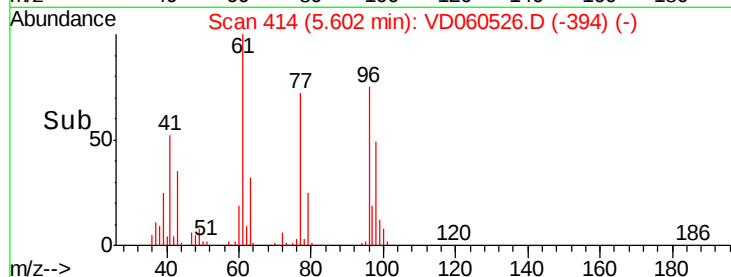
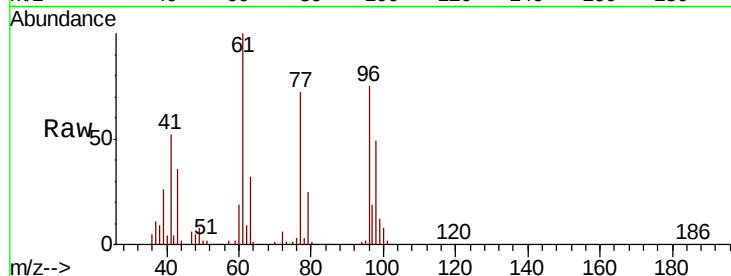
Tot Ion: 96 Resp: 928365

Ion Ratio Lower Upper

96 100

61 132.5 0.0 263.6

98 65.0 0.0 128.2



#28

Bromochloromethane

Concen: 53.121 ug/l

RT: 5.93 min Scan# 447

Delta R.T. -0.01 min

Lab File: VD060526.D

Acq: 11 Dec 2018 10:23

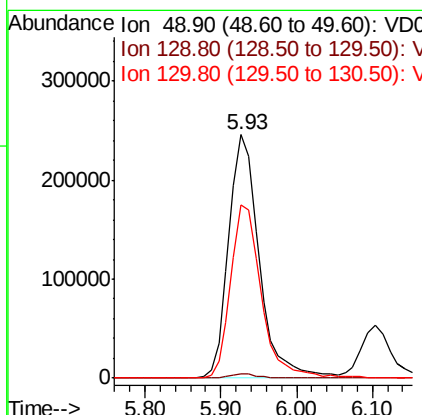
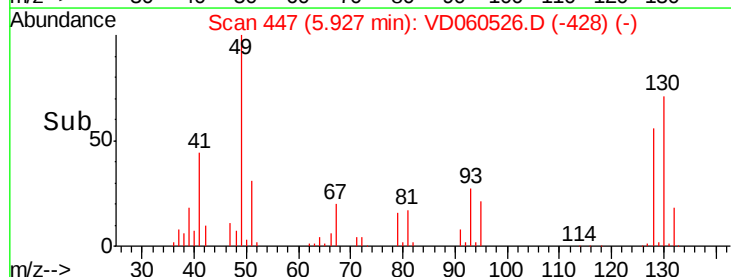
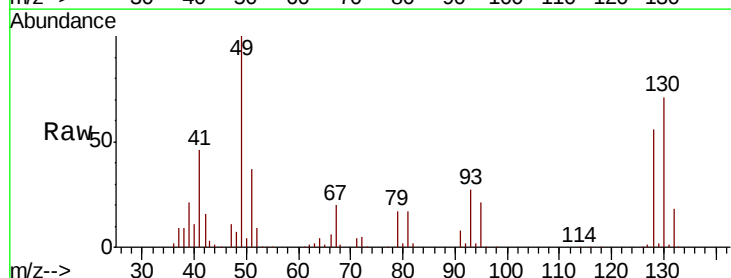
Tgt Ion: 49 Resp: 685156

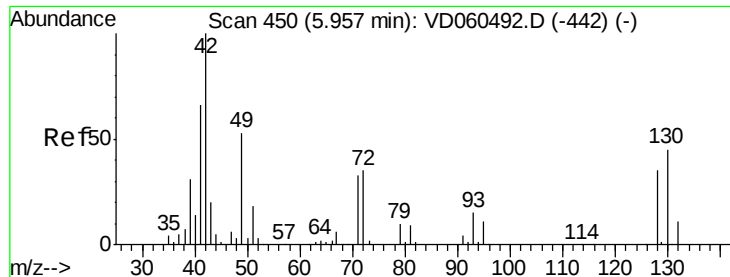
Ion Ratio Lower Upper

49 100

129 1.7 0.0 3.4

130 71.0 59.8 89.6

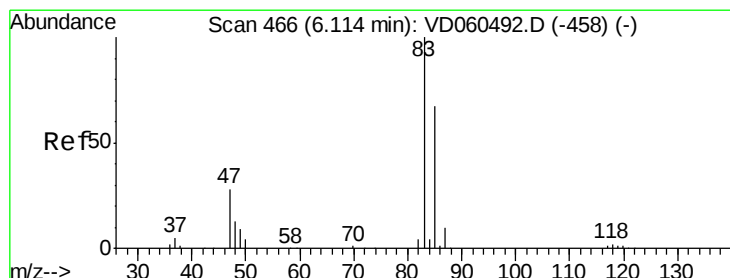
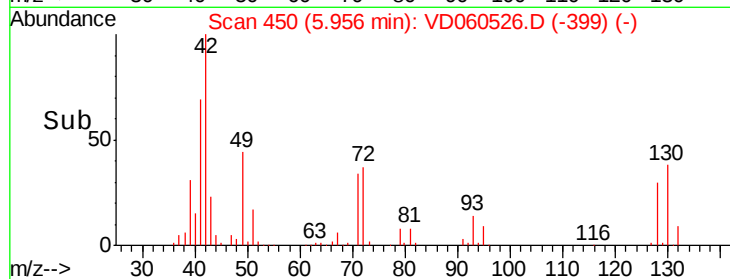
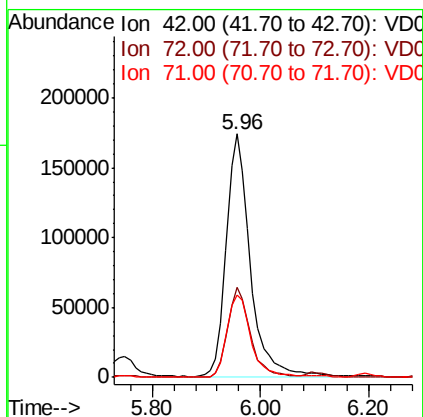
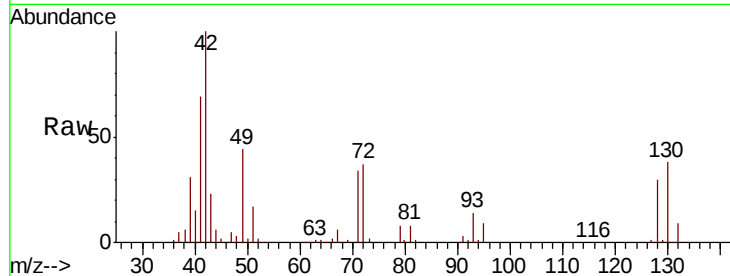




#29
Tetrahydrofuran
Concen: 256.308 ug/l
RT: 5.96 min Scan# 450
Delta R.T. -0.00 min
Lab File: VD060526.D
Acq: 11 Dec 2018 10:23

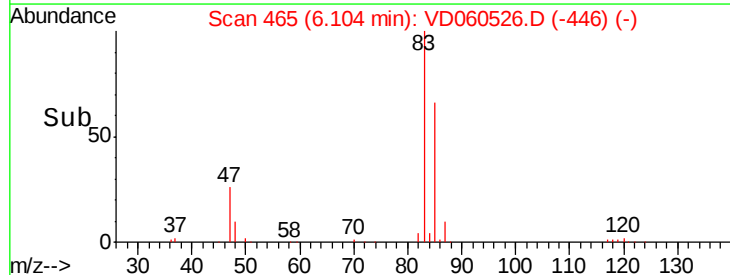
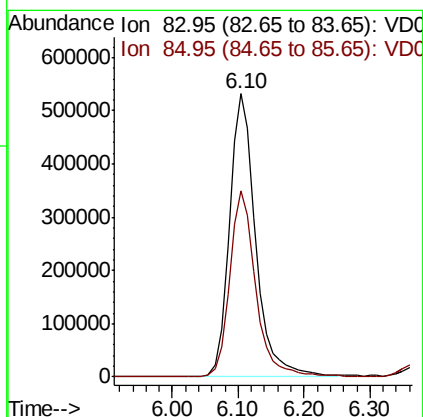
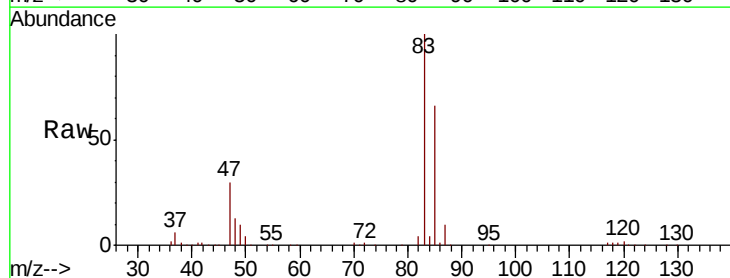
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

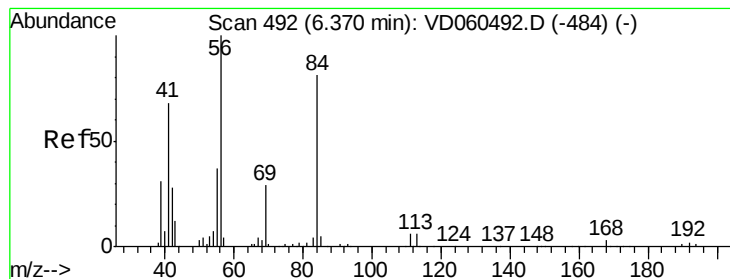
Tot Ion: 42 Resp: 534021
Ion Ratio Lower Upper
42 100
72 35.2 28.0 42.0
71 34.1 27.2 40.8



#30
Chloroform
Concen: 50.411 ug/l
RT: 6.10 min Scan# 465
Delta R.T. -0.01 min
Lab File: VD060526.D
Acq: 11 Dec 2018 10:23

Tgt Ion: 83 Resp: 1478704
Ion Ratio Lower Upper
83 100
85 65.8 53.4 80.2





#31

Cyclohexane

Concen: 55.556 ug/l

RT: 6.37 min Scan# 492

Delta R.T. -0.00 min

Lab File: VD060526.D

Acq: 11 Dec 2018 10:23

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

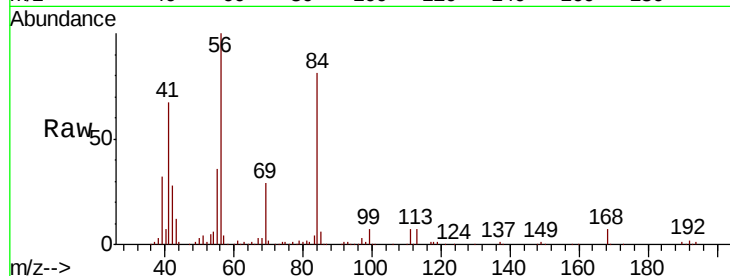
Tot Ion: 56 Resp: 1372599

Ion Ratio Lower Upper

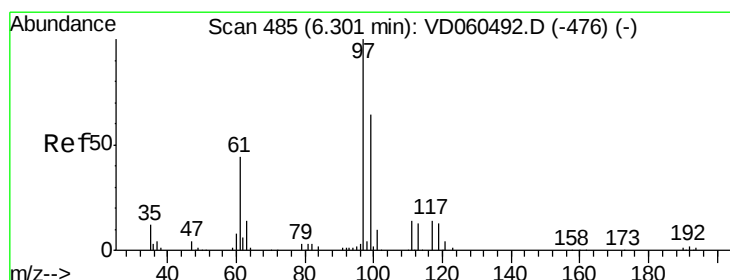
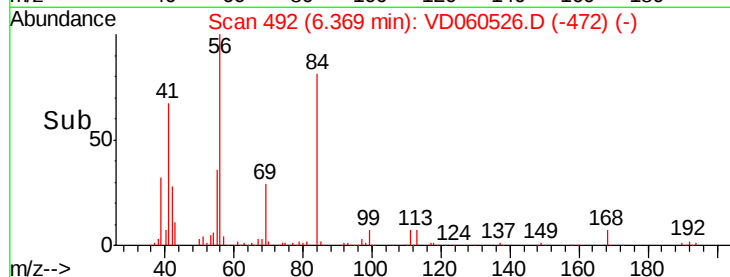
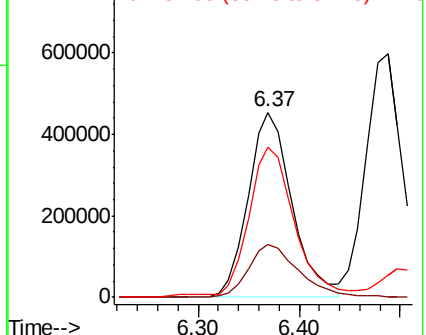
56 100

69 28.6 22.8 34.2

84 81.1 65.1 97.7



Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.05 (83.75 to 84.75): VDC



#32

1,1,1-Trichloroethane

Concen: 51.960 ug/l

RT: 6.29 min Scan# 484

Delta R.T. -0.01 min

Lab File: VD060526.D

Acq: 11 Dec 2018 10:23

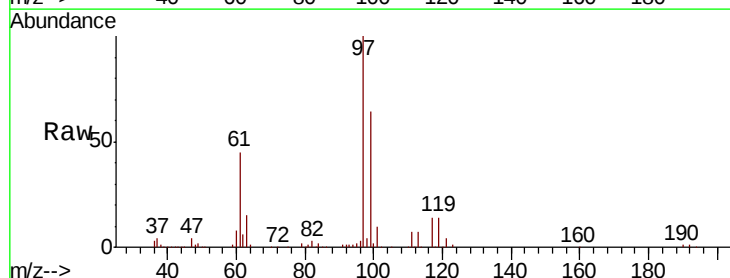
Tgt Ion: 97 Resp: 1252975

Ion Ratio Lower Upper

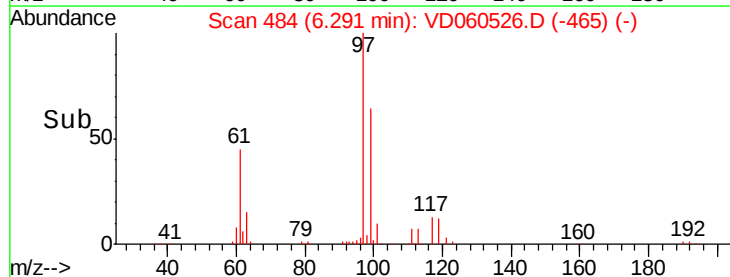
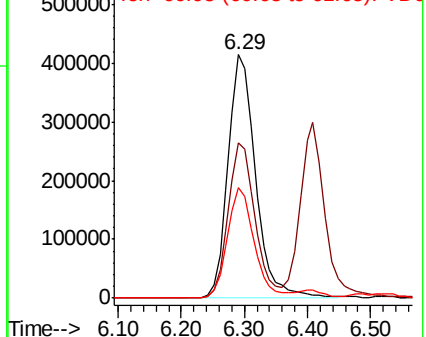
97 100

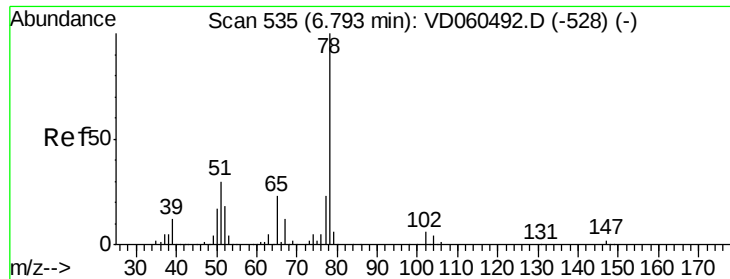
99 63.9 51.0 76.4

61 45.2 35.3 52.9



Abundance Ion 96.85 (96.55 to 97.55): VDC
Ion 98.85 (98.55 to 99.55): VDC
Ion 60.95 (60.65 to 61.65): VDC

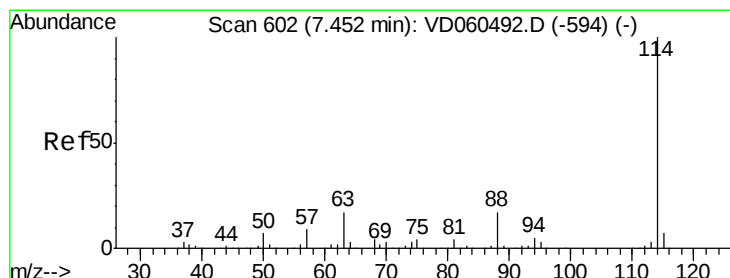
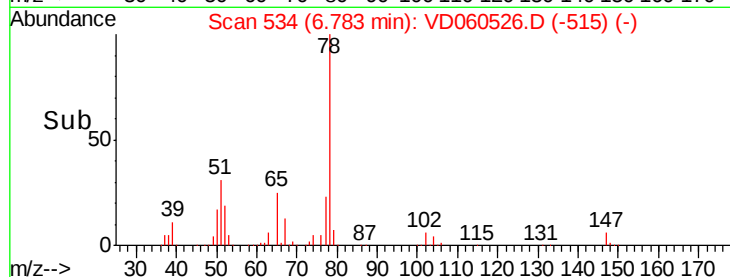
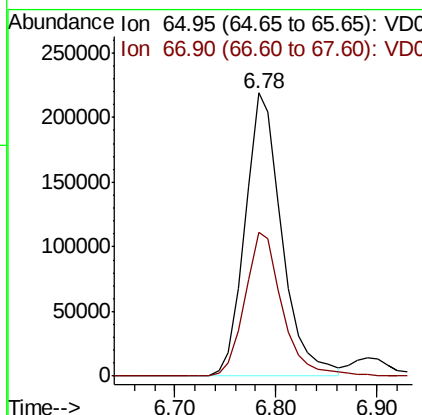
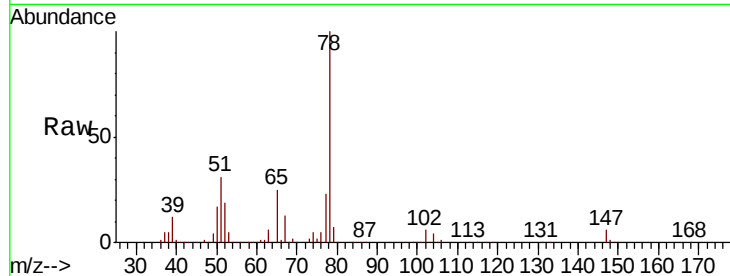




#33
 1,2-Dichloroethane-d4
 Concen: 51.960 ug/l
 RT: 6.78 min Scan# 534
 Delta R.T. -0.01 min
 Lab File: VD060526.D
 Acq: 11 Dec 2018 10:23

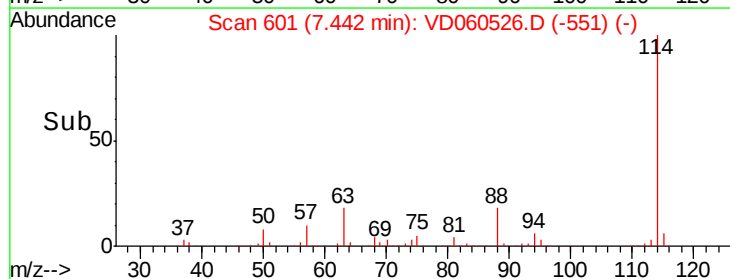
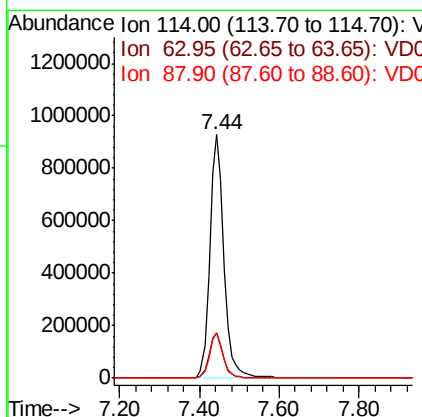
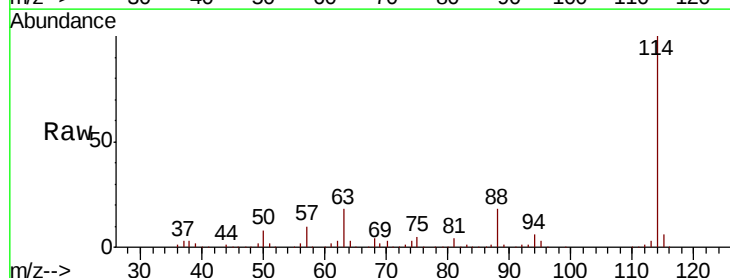
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

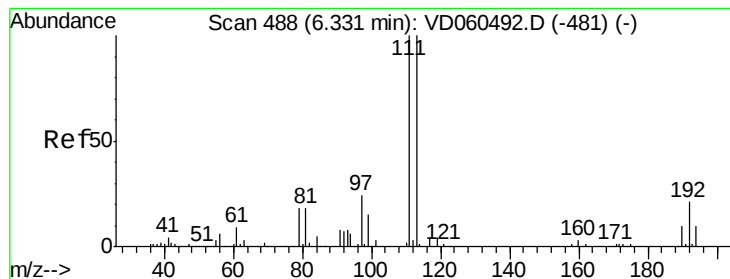
Tot Ion: 65 Resp: 555147
 Ion Ratio Lower Upper
 65 100
 67 50.9 0.0 106.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 7.44 min Scan# 601
 Delta R.T. -0.01 min
 Lab File: VD060526.D
 Acq: 11 Dec 2018 10:23

Tgt Ion: 114 Resp: 2291966
 Ion Ratio Lower Upper
 114 100
 63 18.5 0.0 34.2
 88 18.4 0.0 35.0





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 6.32 min Scan# 487

Delta R.T. -0.01 min

Lab File: VD060526.D

Acq: 11 Dec 2018 10:23

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

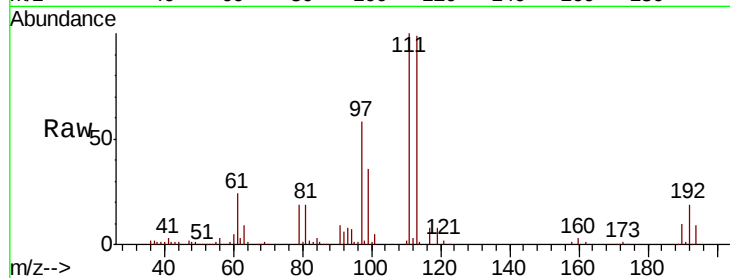
Tot Ion:113 Resp: 797373

Ion Ratio Lower Upper

113 100

111 101.3 80.2 120.4

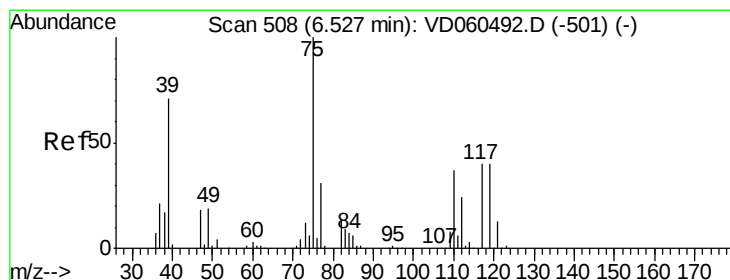
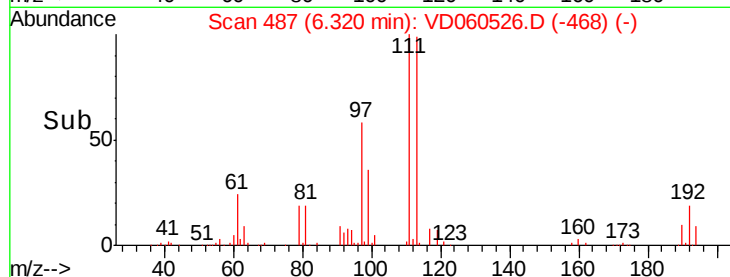
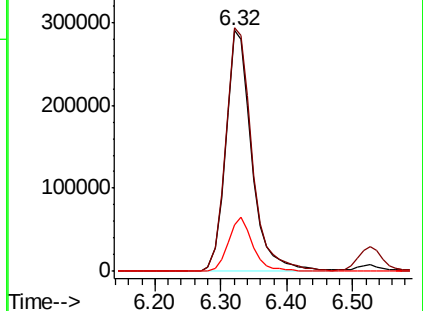
192 19.5 16.6 24.8



Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V



#36

1,1-Dichloropropene

Concen: 51.455 ug/l

RT: 6.53 min Scan# 508

Delta R.T. -0.00 min

Lab File: VD060526.D

Acq: 11 Dec 2018 10:23

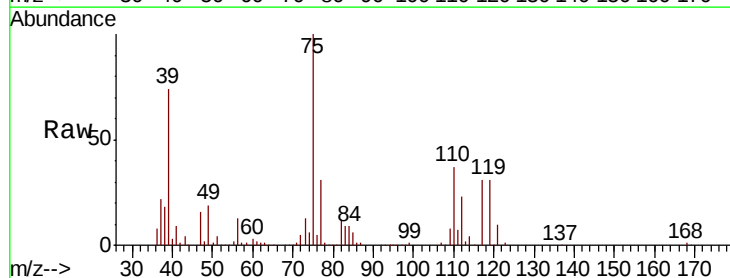
Tgt Ion: 75 Resp: 1152778

Ion Ratio Lower Upper

75 100

110 37.3 18.3 54.8

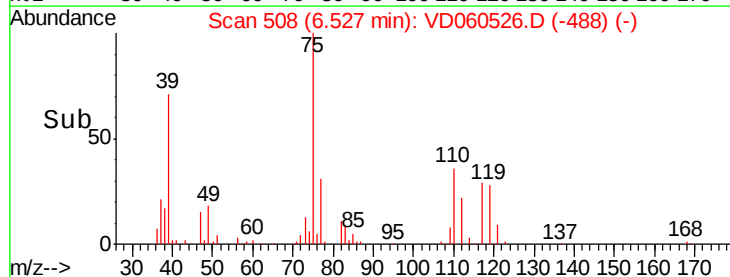
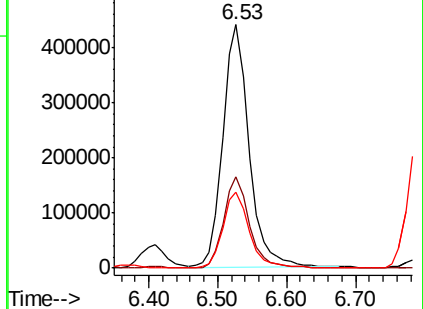
77 31.4 24.6 37.0

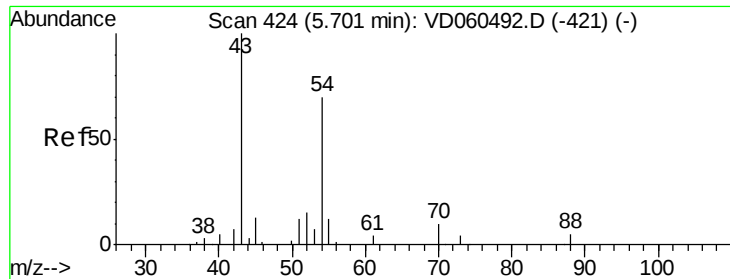


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): V

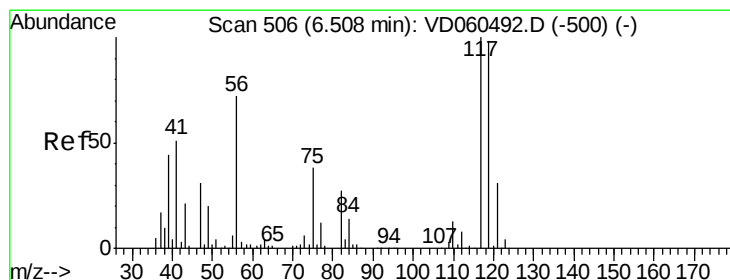
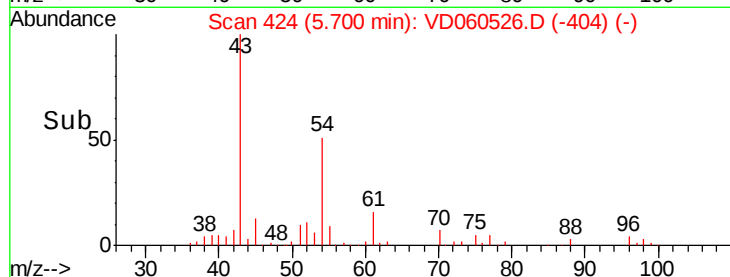
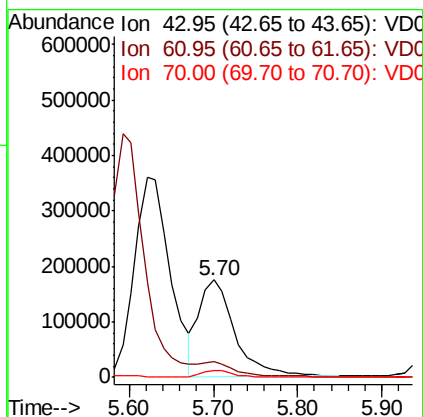
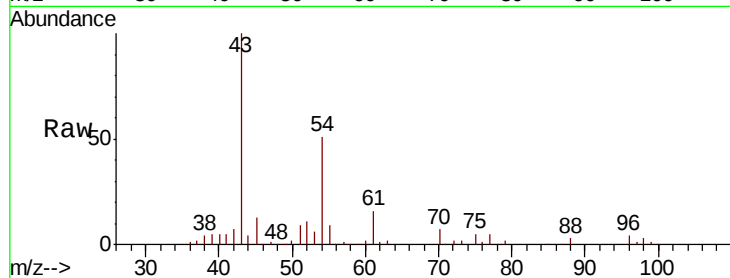




#37
Ethyl Acetate
Concen: 52.897 ug/l
RT: 5.70 min Scan# 424
Delta R.T. -0.00 min
Lab File: VD060526.D
Acq: 11 Dec 2018 10:23

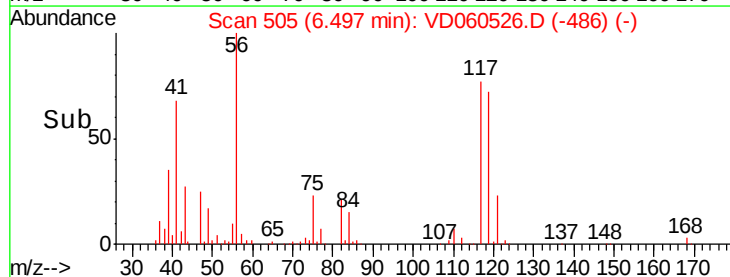
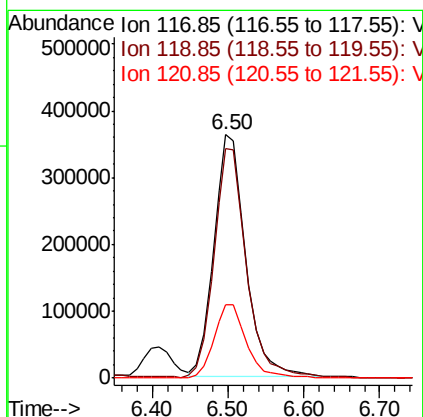
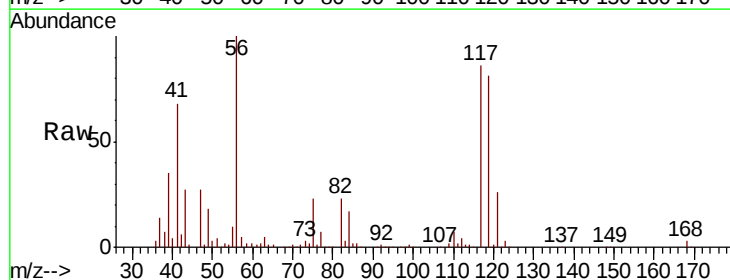
Instrument :
MSVOA_D
ClientSampleID :
VSTDCCC050

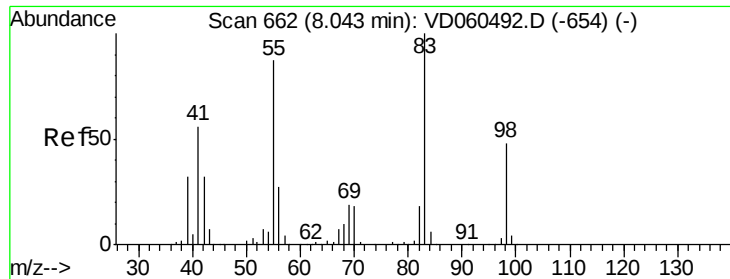
Tot Ion: 43 Resp: 513955
Ion Ratio Lower Upper
43 100
61 15.6 12.4 18.6
70 7.2 5.4 8.0



#38
Carbon Tetrachloride
Concen: 52.521 ug/l
RT: 6.50 min Scan# 505
Delta R.T. -0.01 min
Lab File: VD060526.D
Acq: 11 Dec 2018 10:23

Tgt Ion: 117 Resp: 1056356
Ion Ratio Lower Upper
117 100
119 94.3 76.8 115.2
121 30.0 24.4 36.6

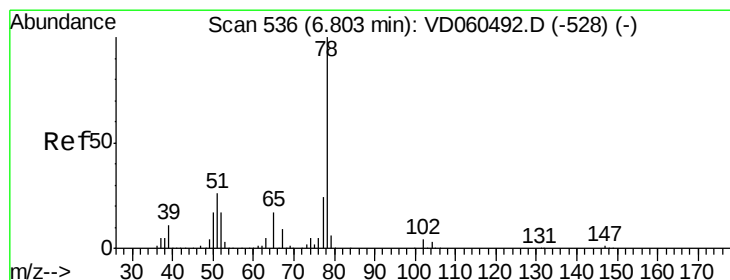
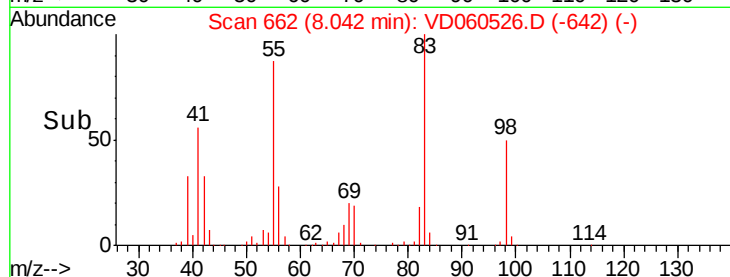
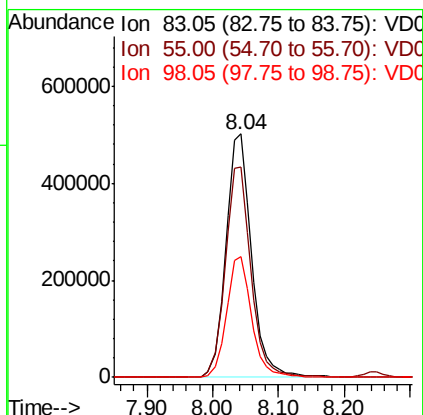
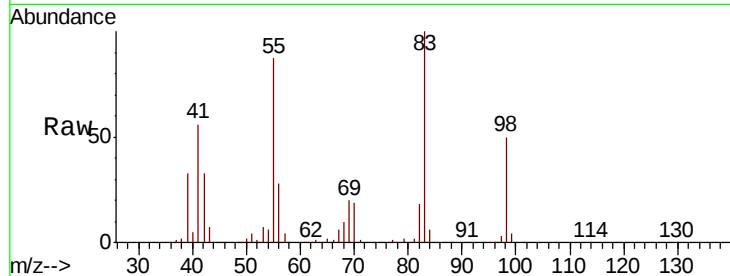




#39
Methvlcvclohexane
Concen: 53.302 ug/l
RT: 8.04 min Scan# 662
Delta R.T. -0.00 min
Lab File: VD060526.D
Acq: 11 Dec 2018 10:23

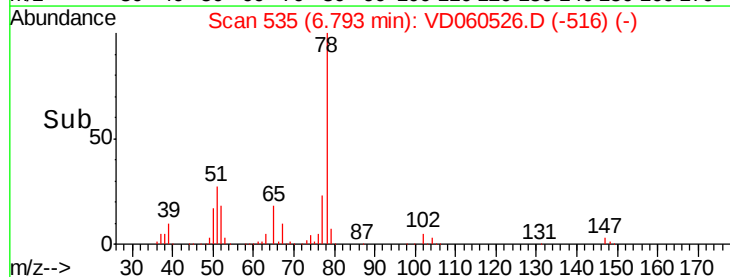
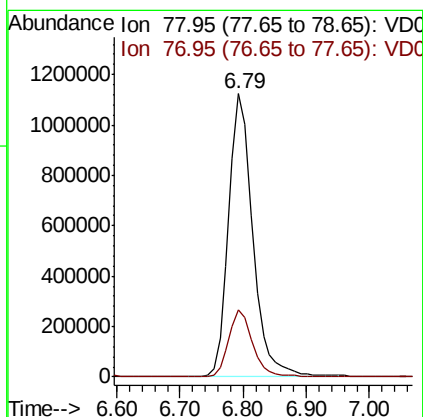
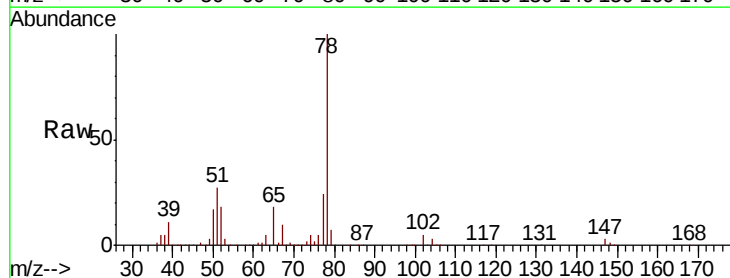
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

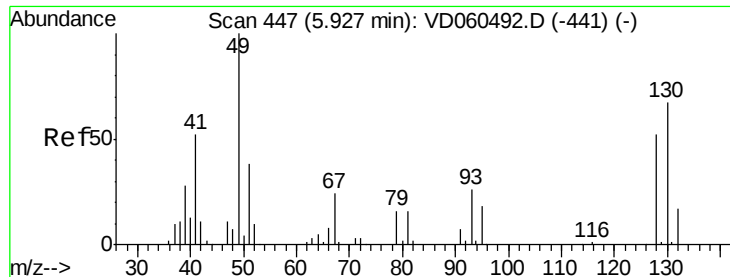
Tot Ion: 83 Resp: 1361316
Ion Ratio Lower Upper
83 100
55 86.6 69.8 104.8
98 49.5 38.4 57.6



#40
Benzene
Concen: 52.144 ug/l
RT: 6.79 min Scan# 535
Delta R.T. -0.01 min
Lab File: VD060526.D
Acq: 11 Dec 2018 10:23

Tgt Ion: 78 Resp: 2985565
Ion Ratio Lower Upper
78 100
77 23.5 18.9 28.3





#41

Methacrylonitrile

Concen: 110.523 ug/l

RT: 5.95 min Scan# 449

Delta R.T. 0.02 min

Lab File: VD060526.D

Acq: 11 Dec 2018 10:23

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 41 Resp: 578875

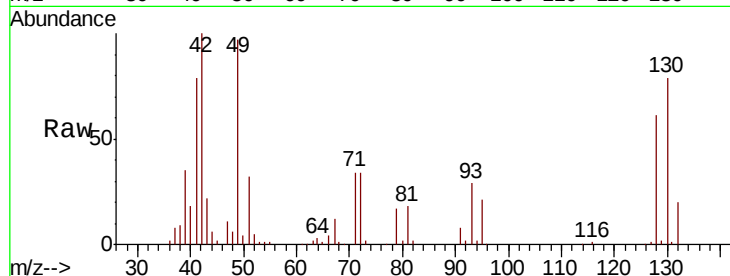
Ion Ratio Lower Upper

41 100

39 44.5 42.6 63.8

67 15.0 36.2 54.4#

52 6.4 15.6 23.4#

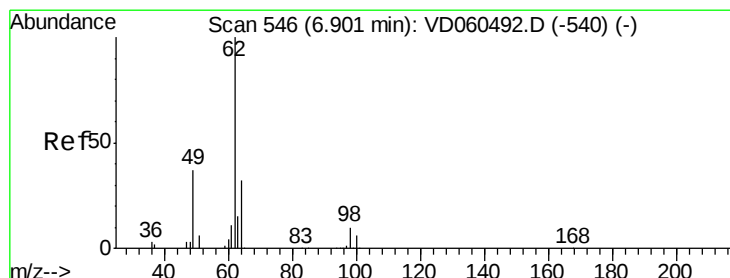
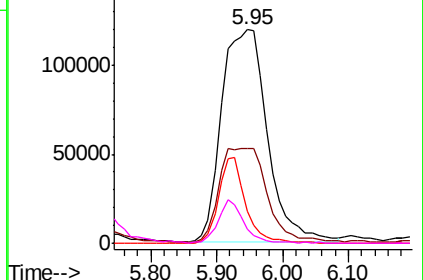
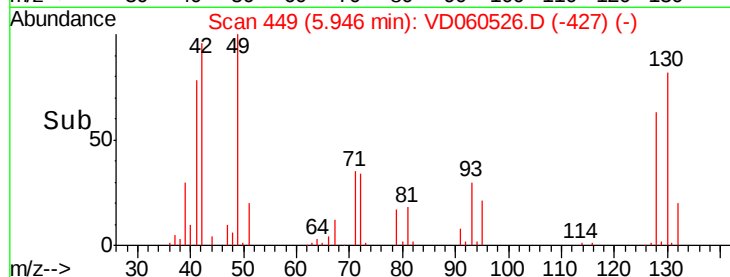


Abundance Ion 40.95 (40.65 to 41.65): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 67.00 (66.70 to 67.70): VDC

Ion 52.00 (51.70 to 52.70): VDC



#42

1,2-Dichloroethane

Concen: 51.764 ug/l

RT: 6.89 min Scan# 545

Delta R.T. -0.01 min

Lab File: VD060526.D

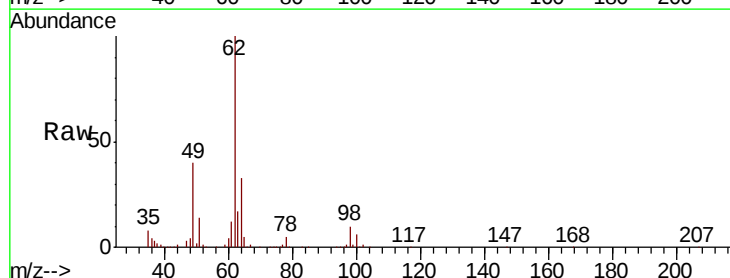
Acq: 11 Dec 2018 10:23

Tgt Ion: 62 Resp: 753571

Ion Ratio Lower Upper

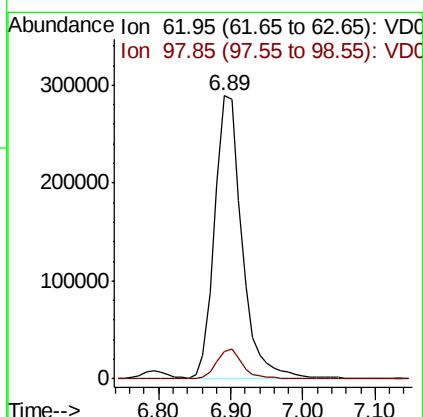
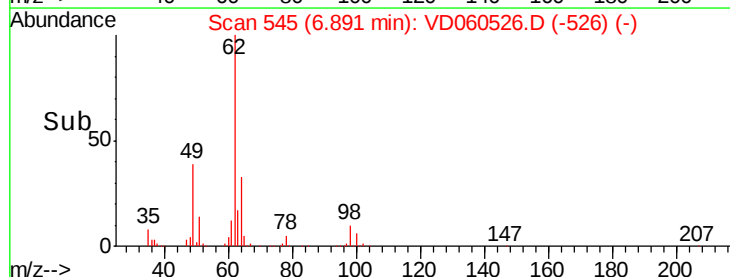
62 100

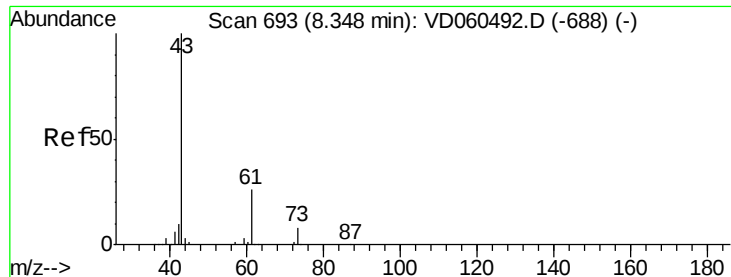
98 9.9 0.0 20.2



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 97.85 (97.55 to 98.55): VDC





#43

Isopropyl Acetate

Concen: 54.750 ug/l

RT: 8.35 min Scan# 693

Delta R.T. -0.00 min

Lab File: VD060526.D

Acq: 11 Dec 2018 10:23

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

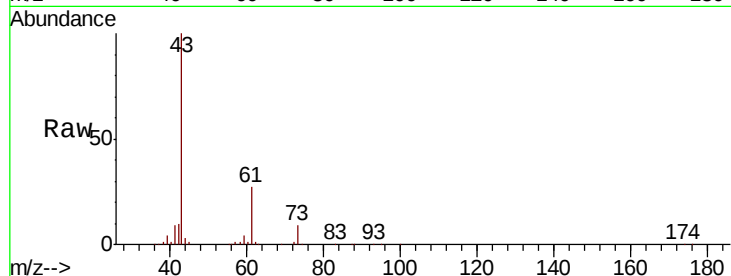
Tot Ion: 43 Resp: 656663

Ion Ratio Lower Upper

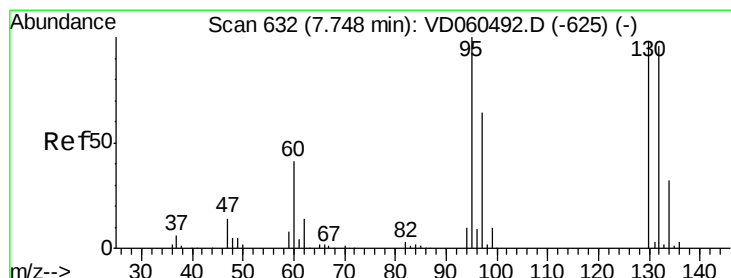
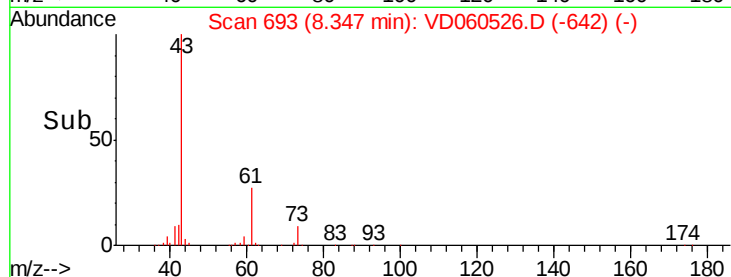
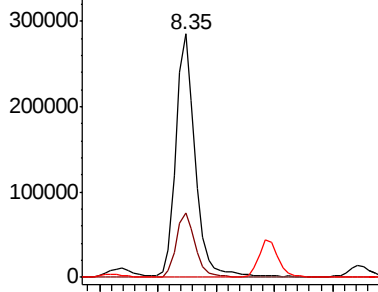
43 100

61 26.6 21.0 31.4

87 0.3 0.2 0.2#



Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 87.00 (86.70 to 87.70): VDC



#44

Trichloroethene

Concen: 52.609 ug/l

RT: 7.74 min Scan# 631

Delta R.T. -0.01 min

Lab File: VD060526.D

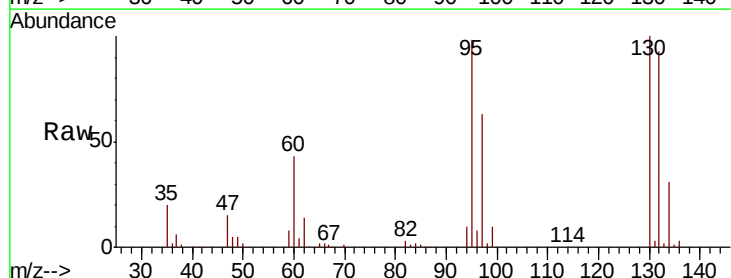
Acq: 11 Dec 2018 10:23

Tgt Ion:130 Resp: 900202

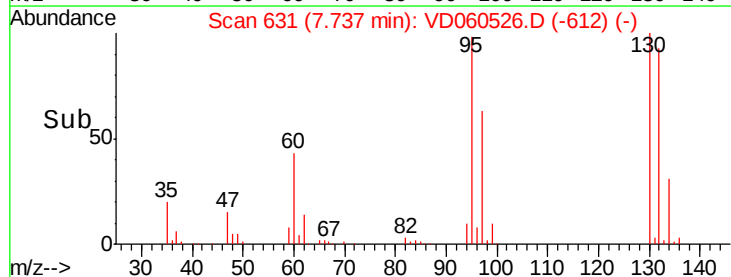
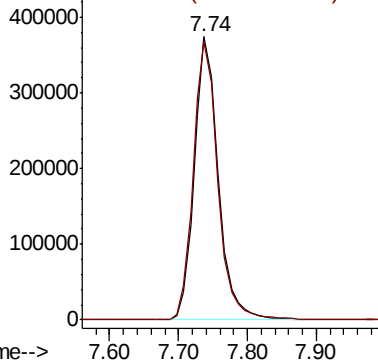
Ion Ratio Lower Upper

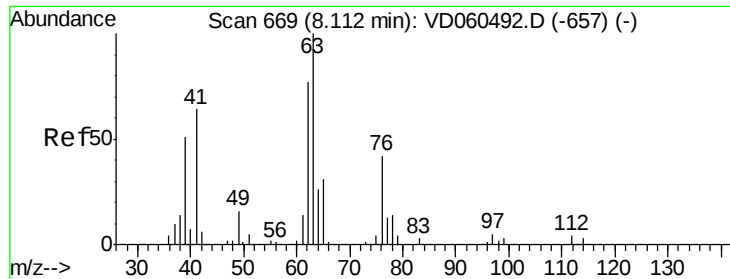
130 100

95 98.3 0.0 203.8



Abundance Ion 129.80 (129.50 to 130.50): VDC
Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 52.398 ug/l

RT: 8.10 min Scan# 668

Delta R.T. -0.01 min

Lab File: VD060526.D

Acq: 11 Dec 2018 10:23

Instrument :

MSVOA_D

ClientSampleId :

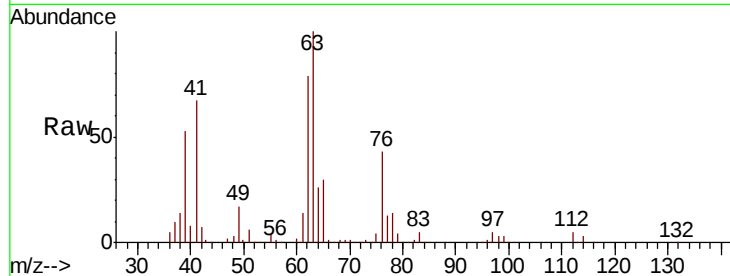
VSTDCCC050

Tot Ion: 63 Resp: 742000

Ion Ratio Lower Upper

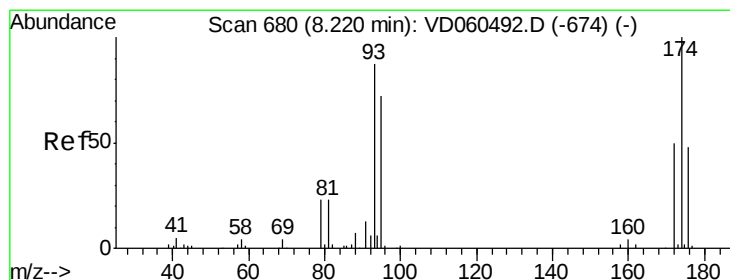
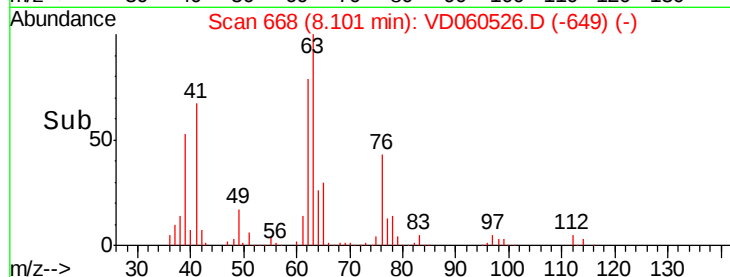
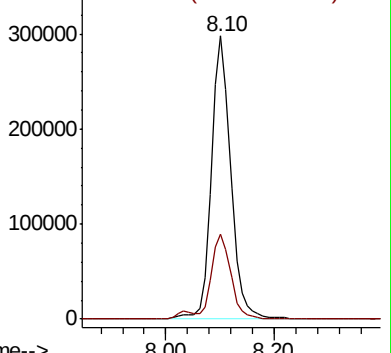
63 100

65 29.9 24.6 37.0



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC



#46

Dibromomethane

Concen: 51.877 ug/l

RT: 8.21 min Scan# 679

Delta R.T. -0.01 min

Lab File: VD060526.D

Acq: 11 Dec 2018 10:23

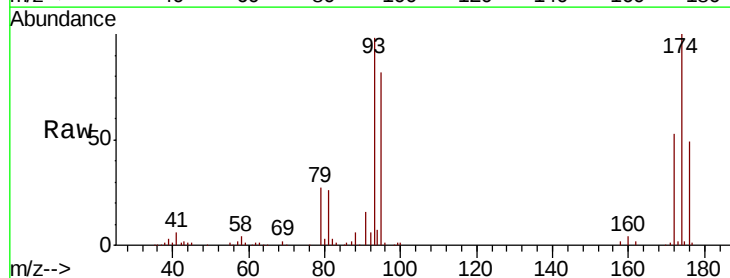
Tgt Ion: 93 Resp: 424448

Ion Ratio Lower Upper

93 100

95 83.2 65.6 98.4

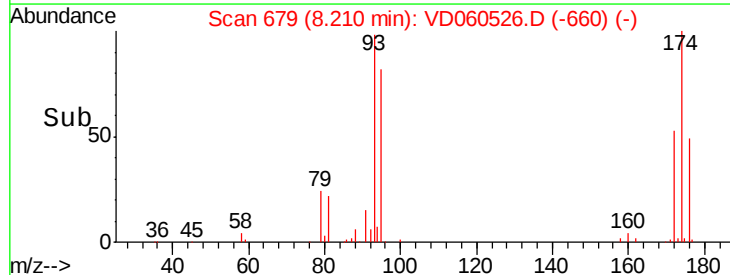
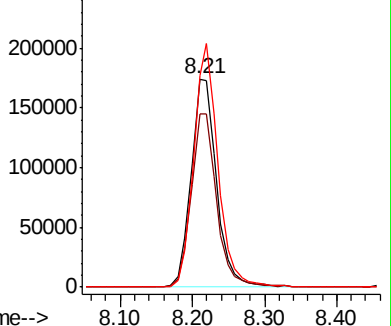
174 101.6 91.7 137.5

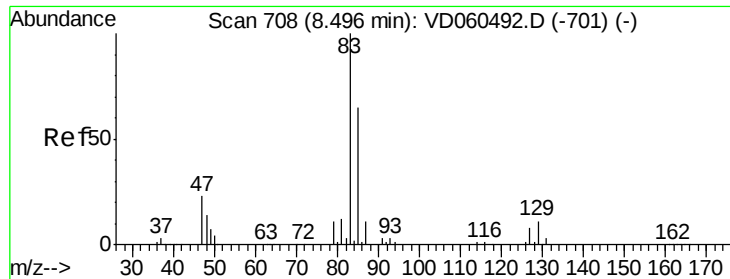


Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): VDC





#47

Bromodichloromethane

Concen: 52.378 ug/l

RT: 8.49 min Scan# 707

Delta R.T. -0.01 min

Lab File: VD060526.D

Acq: 11 Dec 2018 10:23

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

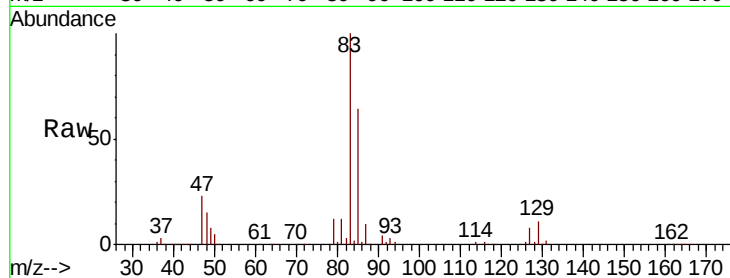
Tot Ion: 83 Resp: 1016826

Ion Ratio Lower Upper

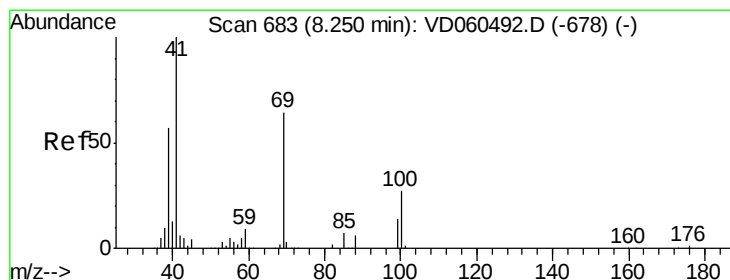
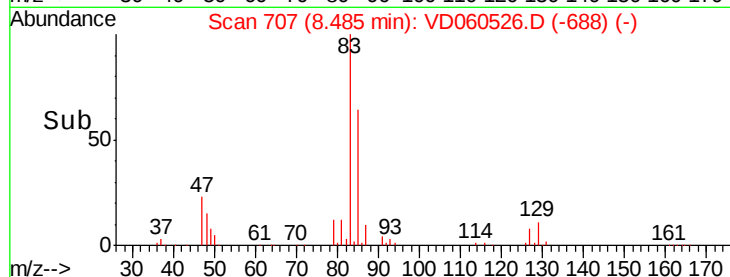
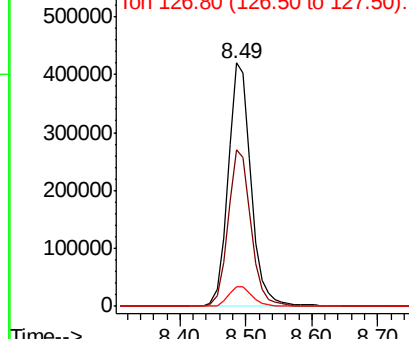
83 100

85 64.3 52.2 78.4

127 8.2 6.7 10.1



Abundance Ion 82.85 (82.55 to 83.55): VDC
Ion 84.95 (84.65 to 85.65): VDC
Ion 126.80 (126.50 to 127.50): VDC



#48

Methyl methacrylate

Concen: 53.752 ug/l

RT: 8.24 min Scan# 682

Delta R.T. -0.01 min

Lab File: VD060526.D

Acq: 11 Dec 2018 10:23

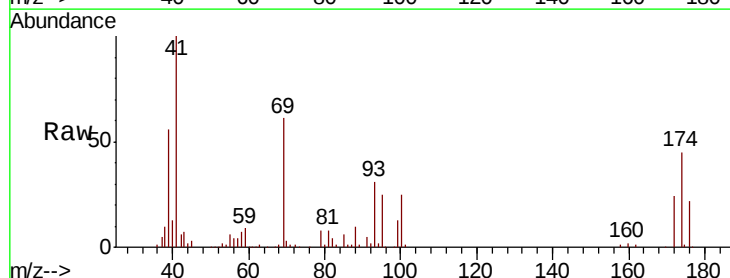
Tgt Ion: 41 Resp: 381458

Ion Ratio Lower Upper

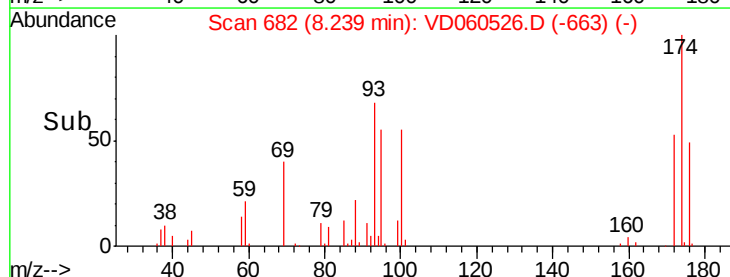
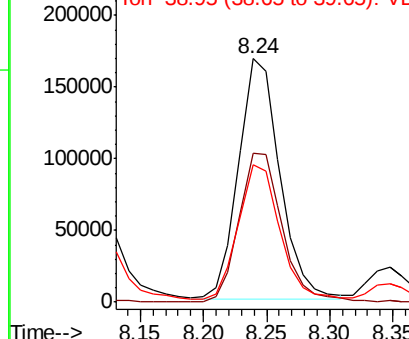
41 100

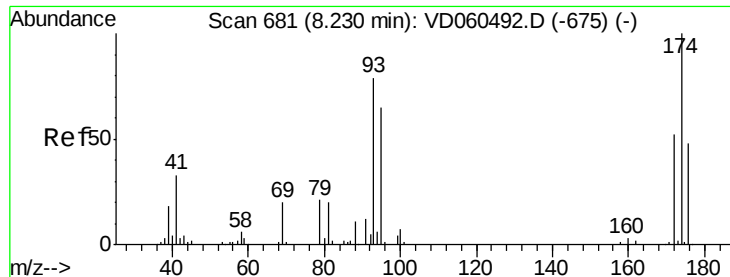
69 61.0 50.2 75.4

39 56.3 46.1 69.1



Abundance Ion 40.95 (40.65 to 41.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 38.95 (38.65 to 39.65): VDC

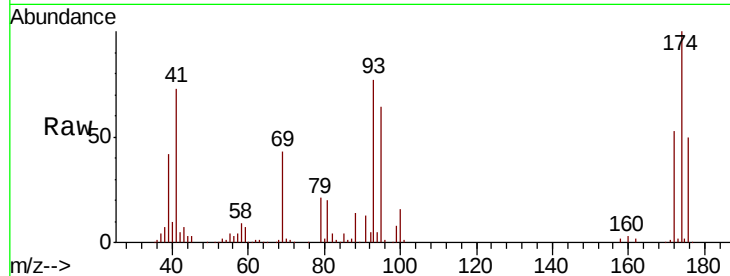




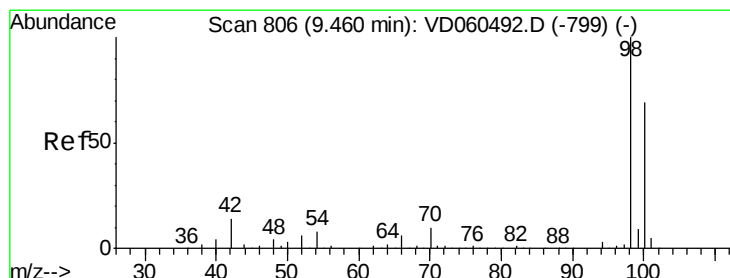
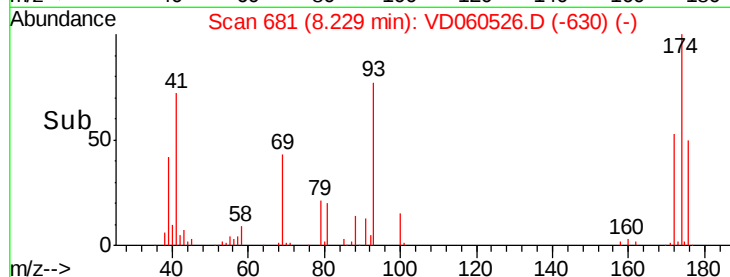
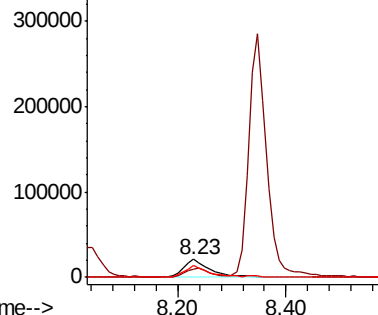
#49
1,4-Dioxane
Concen: 1156.220 ug/l
RT: 8.23 min Scan# 681
Delta R.T. -0.00 min
Lab File: VD060526.D
Acq: 11 Dec 2018 10:23

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 88 Resp: 74367
Ion Ratio Lower Upper
88 100
43 45.7 32.9 49.3
58 64.8 47.7 71.5

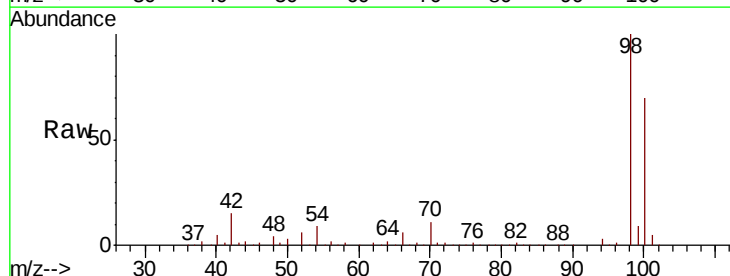


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 57.95 (57.65 to 58.65): VDC

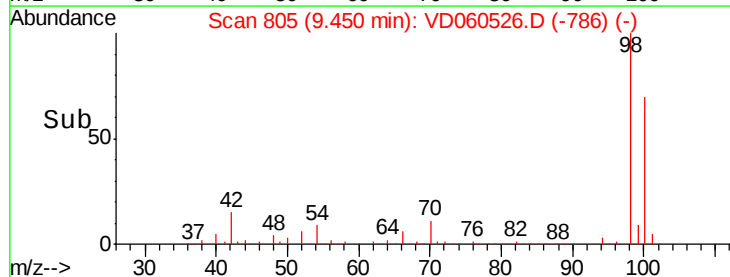
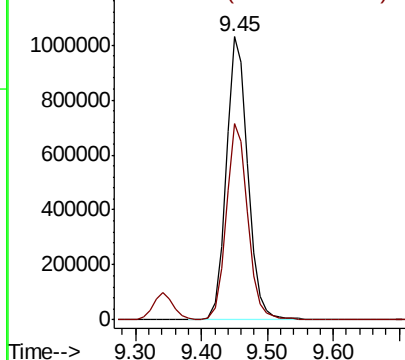


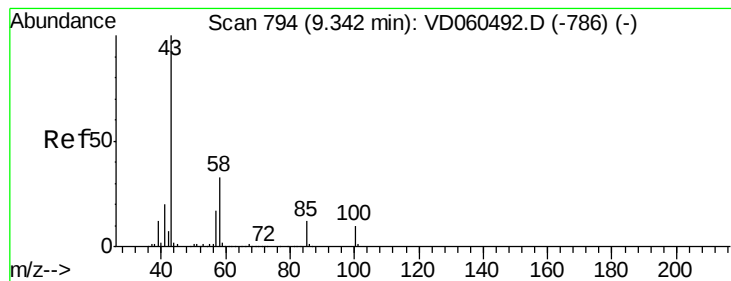
#50
Toluene-d8
Concen: 1156.220 ug/l
RT: 9.45 min Scan# 805
Delta R.T. -0.01 min
Lab File: VD060526.D
Acq: 11 Dec 2018 10:23

Tgt Ion: 98 Resp: 2354298
Ion Ratio Lower Upper
98 100
100 69.5 55.7 83.5



Abundance Ion 98.05 (97.75 to 98.75): VDC
Ion 100.05 (99.75 to 100.75): VDC





#51

4-Methyl-2-Pentanone

Concen: 277.252 ug/l

RT: 9.34 min Scan# 794

Delta R.T. -0.00 min

Lab File: VD060526.D

Acq: 11 Dec 2018 10:23

Instrument :

MSVOA_D

ClientSampleId :

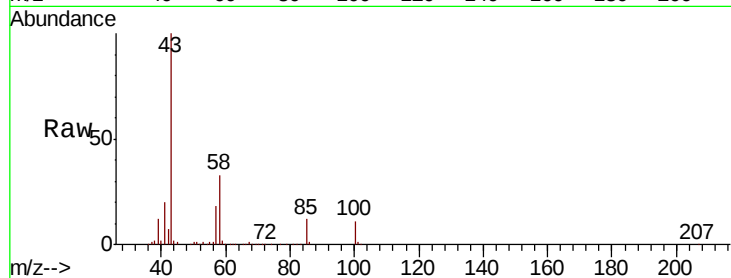
VSTDCCC050

Tot Ion: 43 Resp: 2068479

Ion Ratio Lower Upper

43 100

58 33.3 26.3 39.5



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

9.34

1000000

800000

600000

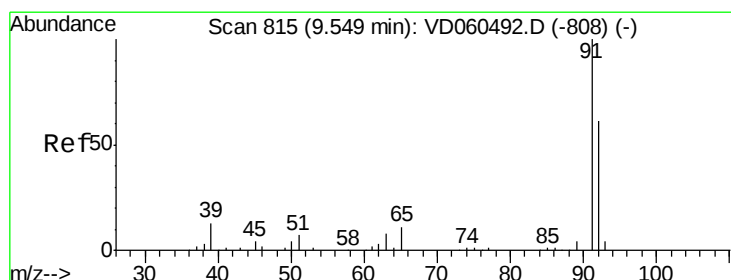
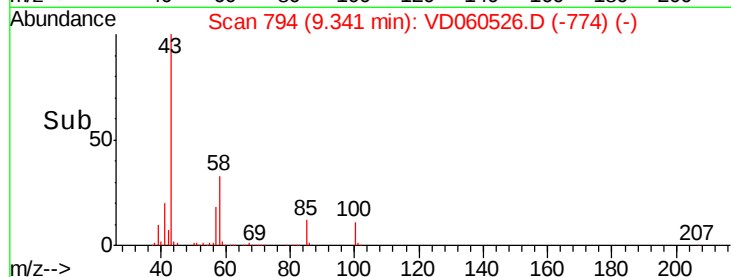
400000

200000

0

Time-->

9.20 9.30 9.40



#52

Toluene

Concen: 52.929 ug/l

RT: 9.55 min Scan# 815

Delta R.T. -0.00 min

Lab File: VD060526.D

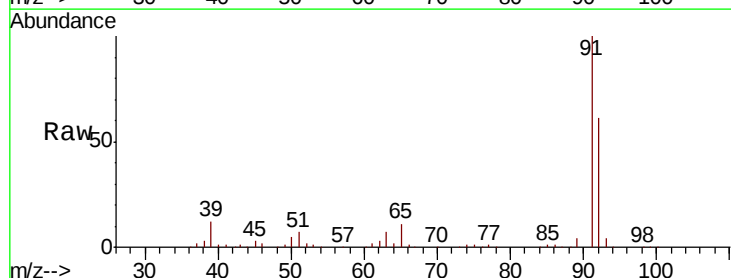
Acq: 11 Dec 2018 10:23

Tgt Ion: 92 Resp: 1894155

Ion Ratio Lower Upper

92 100

91 163.9 131.7 197.5



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

1500000

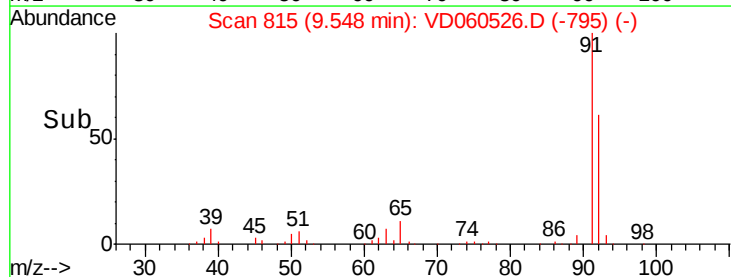
1000000

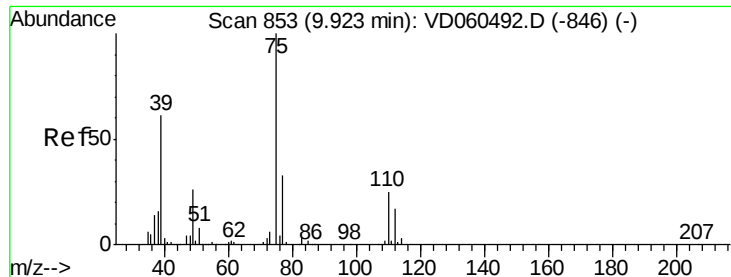
500000

0

Time-->

9.40 9.50 9.60 9.70





#53

t-1,3-Dichloropropene

Concen: 53.284 ug/l

RT: 9.91 min Scan# 852

Delta R.T. -0.01 min

Lab File: VD060526.D

Acq: 11 Dec 2018 10:23

Instrument :

MSVOA_D

ClientSampleId :

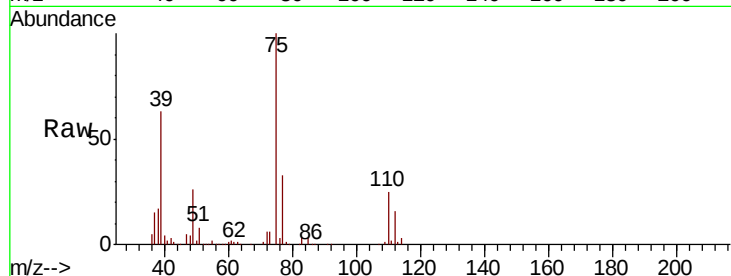
VSTDCCC050

Tot Ion: 75 Resp: 849974

Ion Ratio Lower Upper

75 100

77 32.8 26.2 39.2



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

9.91

400000

300000

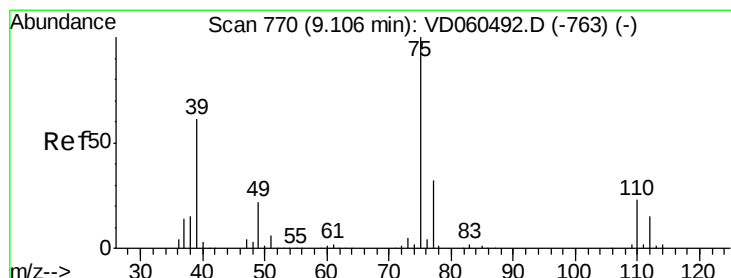
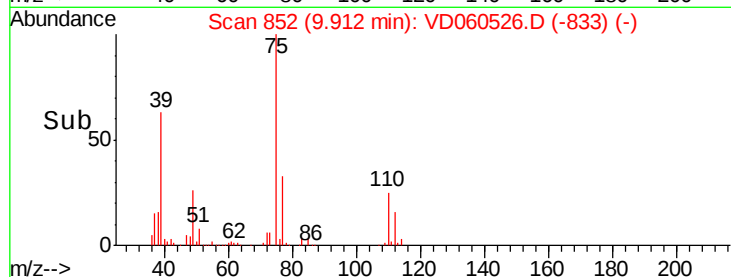
200000

100000

0

Time-->

9.80 9.90 10.00



#54

cis-1,3-Dichloropropene

Concen: 53.984 ug/l

RT: 9.11 min Scan# 770

Delta R.T. -0.00 min

Lab File: VD060526.D

Acq: 11 Dec 2018 10:23

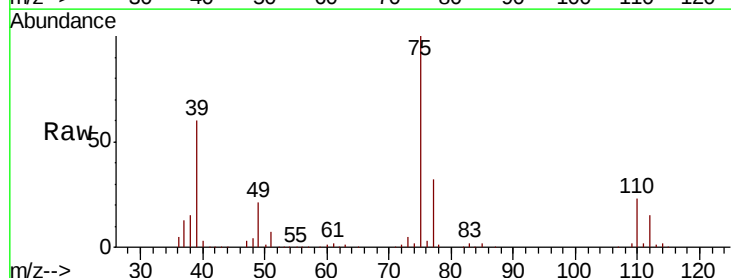
Tgt Ion: 75 Resp: 1131397

Ion Ratio Lower Upper

75 100

77 32.0 25.6 38.4

39 59.5 48.6 73.0



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

Ion 38.95 (38.65 to 39.65): VDC

9.11

600000

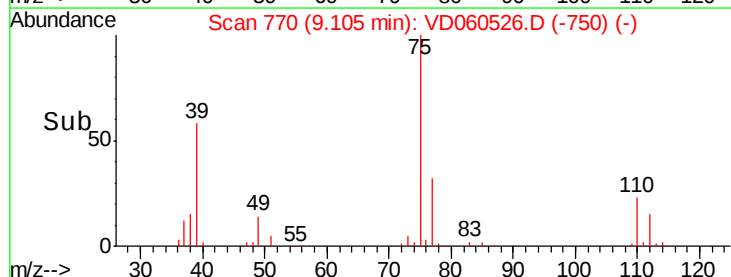
400000

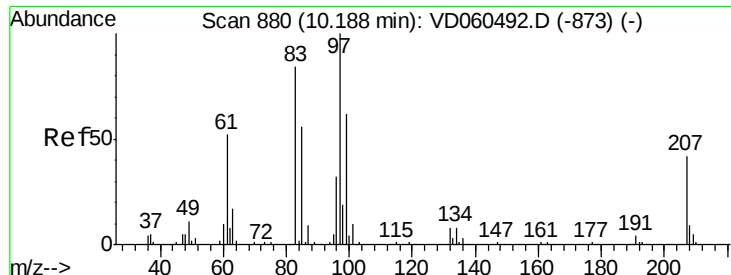
200000

0

Time-->

9.00 9.10 9.20 9.30

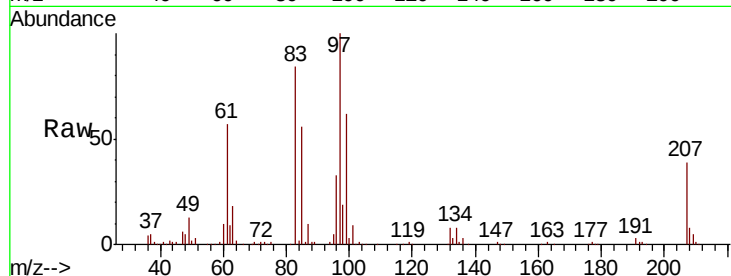




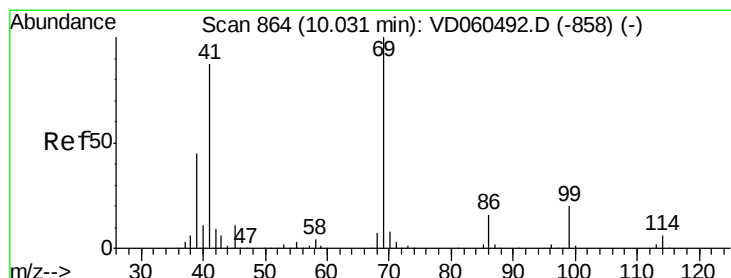
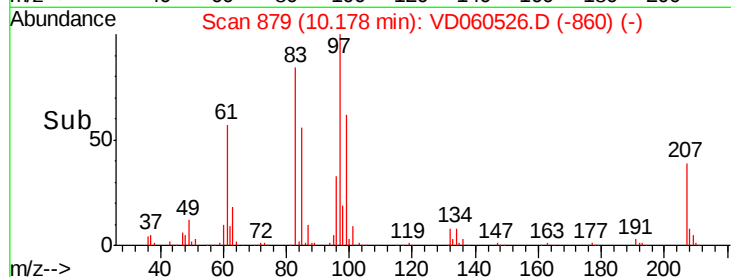
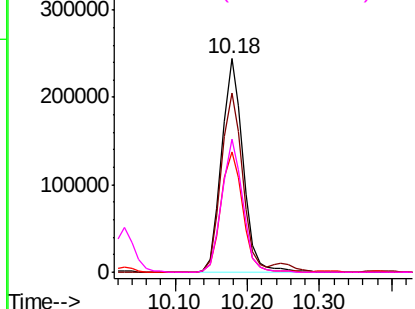
#55
 1,1,2-Trichloroethane
 Concen: 50.419 ug/l
 RT: 10.18 min Scan# 879
 Delta R.T. -0.01 min
 Lab File: VD060526.D
 Acq: 11 Dec 2018 10:23

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion: 97 Resp: 502468
 Ion Ratio Lower Upper
 97 100
 83 83.8 67.2 100.8
 85 56.1 44.5 66.7
 99 62.1 49.3 73.9

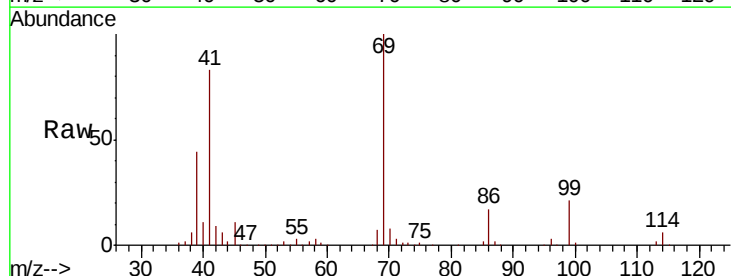


Abundance Ion 96.85 (96.55 to 97.55): VDC
 Ion 82.95 (82.65 to 83.65): VDC
 Ion 84.95 (84.65 to 85.65): VDC
 Ion 98.85 (98.55 to 99.55): VDC

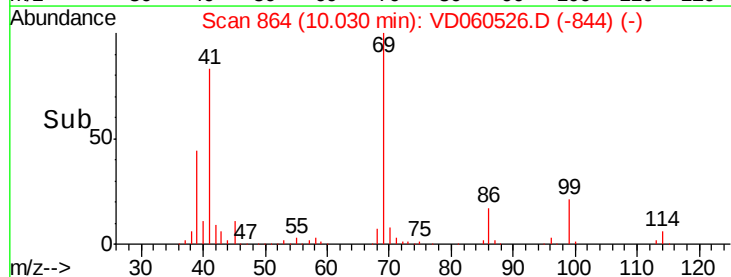
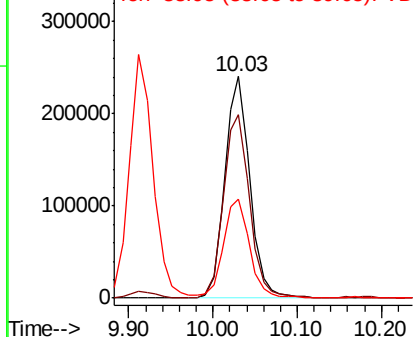


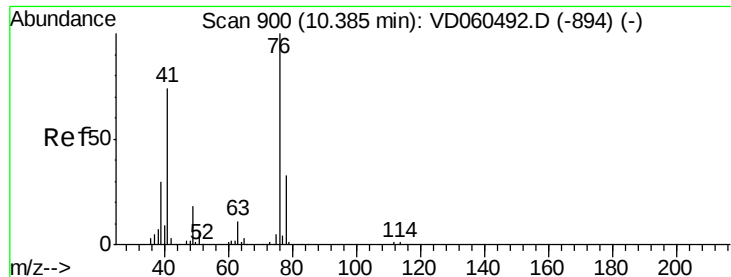
#56
 Ethyl methacrylate
 Concen: 54.773 ug/l
 RT: 10.03 min Scan# 864
 Delta R.T. -0.00 min
 Lab File: VD060526.D
 Acq: 11 Dec 2018 10:23

Tgt Ion: 69 Resp: 494020
 Ion Ratio Lower Upper
 69 100
 41 82.6 69.8 104.8
 39 44.4 37.5 56.3



Abundance Ion 69.00 (68.70 to 69.70): VDC
 Ion 41.05 (40.75 to 41.75): VDC
 Ion 38.95 (38.65 to 39.65): VDC





#57

1,3-Dichloropropane

Concen: 51.883 ug/l

RT: 10.38 min Scan# 900

Delta R.T. -0.00 min

Lab File: VD060526.D

Acq: 11 Dec 2018 10:23

Instrument :

MSVOA_D

ClientSampleId :

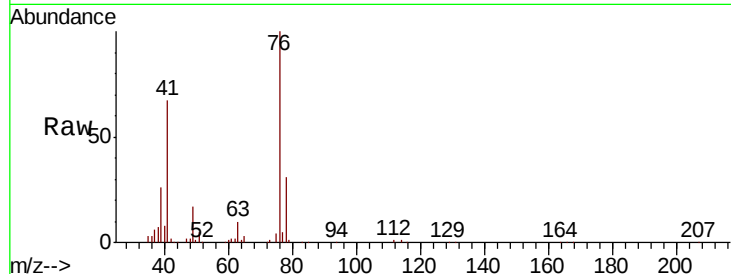
VSTDCCC050

Tot Ion: 76 Resp: 799303

Ion Ratio Lower Upper

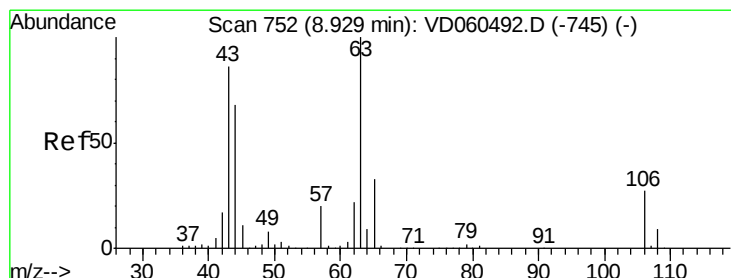
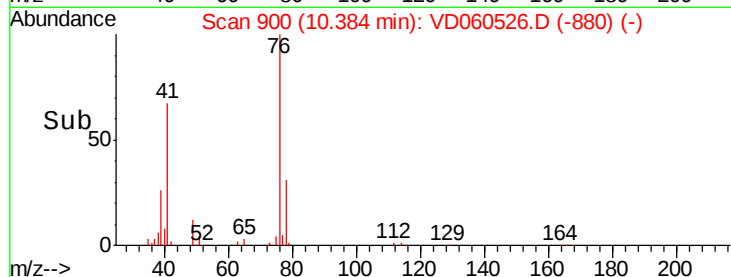
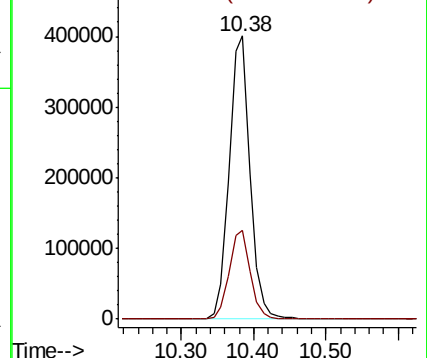
76 100

78 31.4 26.1 39.1



Abundance Ion 75.95 (75.65 to 76.65): VDC

Ion 77.95 (77.65 to 78.65): VDC



#58

2-Chloroethyl Vinyl ether

Concen: 261.248 ug/l

RT: 8.92 min Scan# 751

Delta R.T. -0.01 min

Lab File: VD060526.D

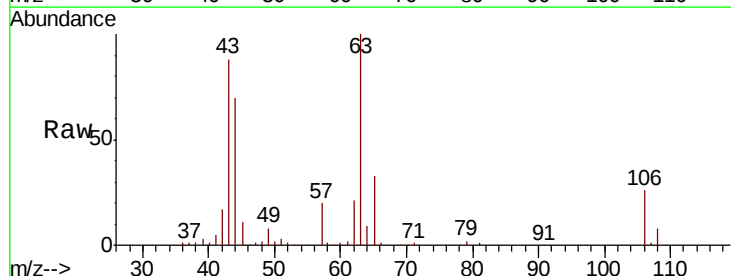
Acq: 11 Dec 2018 10:23

Tgt Ion: 63 Resp: 1409877

Ion Ratio Lower Upper

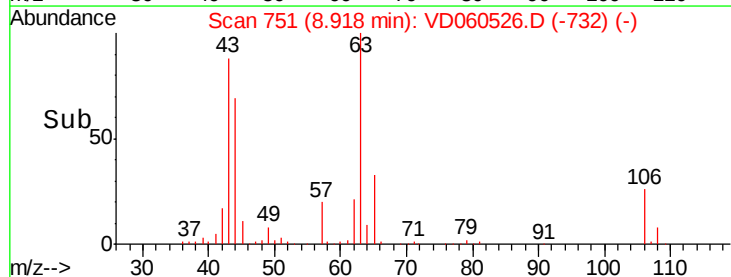
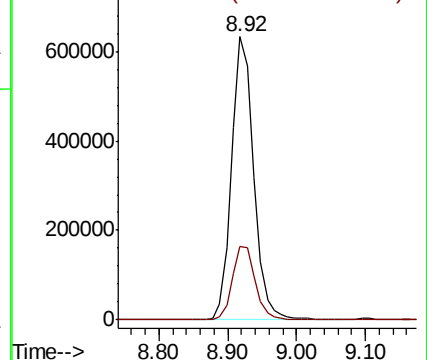
63 100

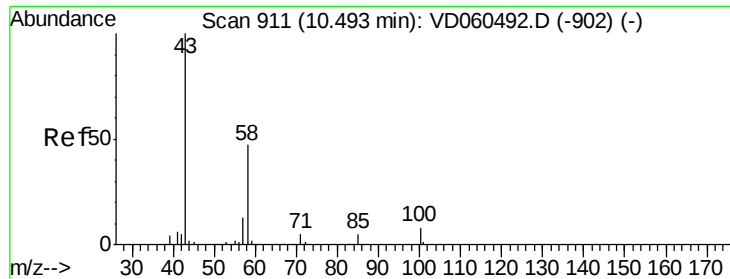
106 26.0 21.6 32.4



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): V

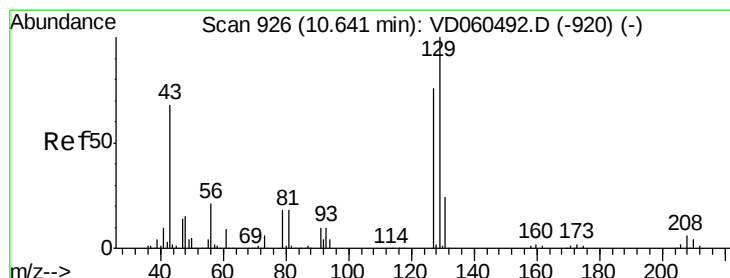
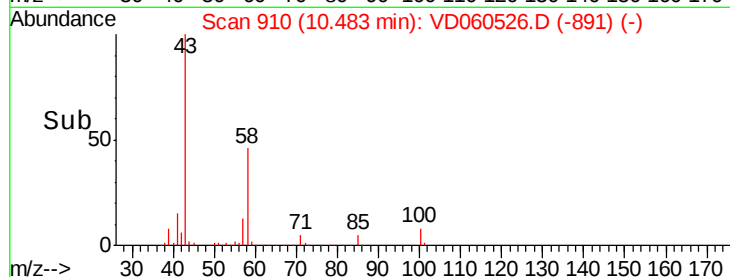
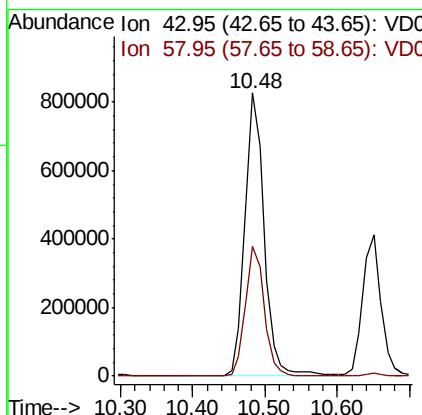
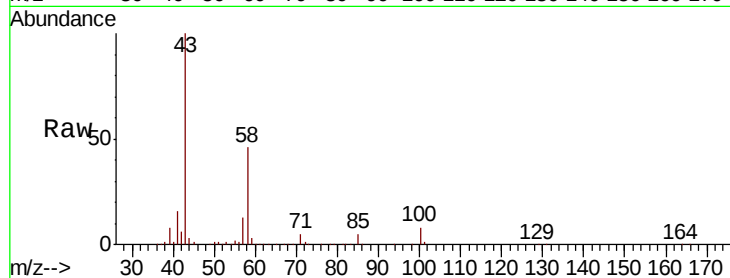




#59
2-Hexanone
Concen: 298.501 ug/l
RT: 10.48 min Scan# 910
Delta R.T. -0.01 min
Lab File: VD060526.D
Acq: 11 Dec 2018 10:23

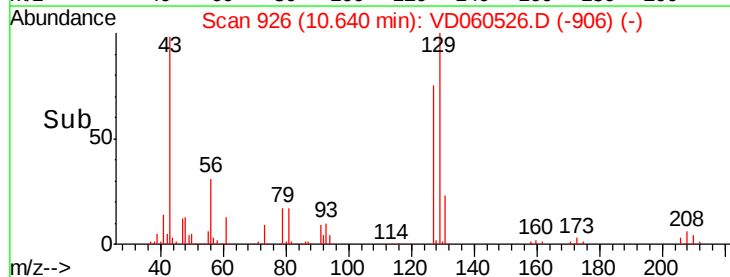
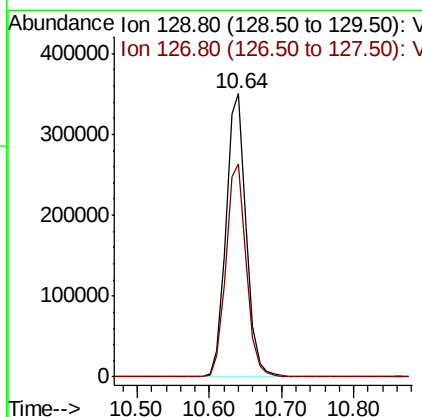
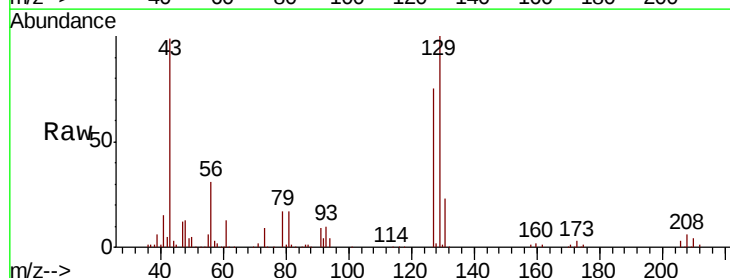
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

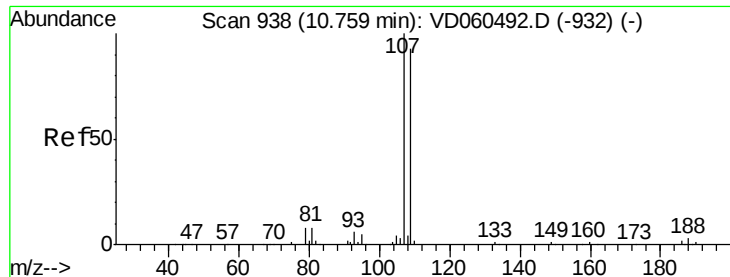
Tot Ion: 43 Resp: 1556630
Ion Ratio Lower Upper
43 100
58 45.7 23.4 70.2



#60
Dibromochloromethane
Concen: 54.299 ug/l
RT: 10.64 min Scan# 926
Delta R.T. -0.00 min
Lab File: VD060526.D
Acq: 11 Dec 2018 10:23

Tgt Ion: 129 Resp: 676569
Ion Ratio Lower Upper
129 100
127 75.2 38.1 114.3





#61

1,2-Dibromoethane

Concen: 53.273 ug/l

RT: 10.76 min Scan# 938

Delta R.T. -0.00 min

Lab File: VD060526.D

Acq: 11 Dec 2018 10:23

Instrument :

MSVOA_D

ClientSampleId :

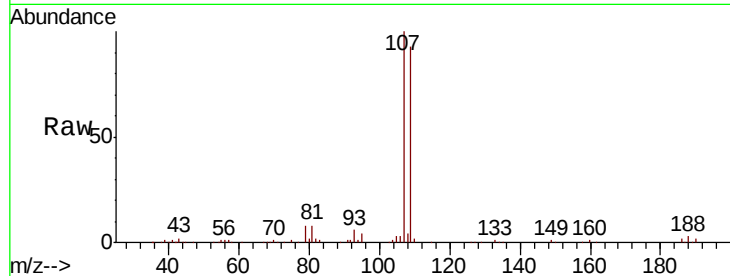
VSTDCCC050

Tot Ion:107 Resp: 541053

Ion Ratio Lower Upper

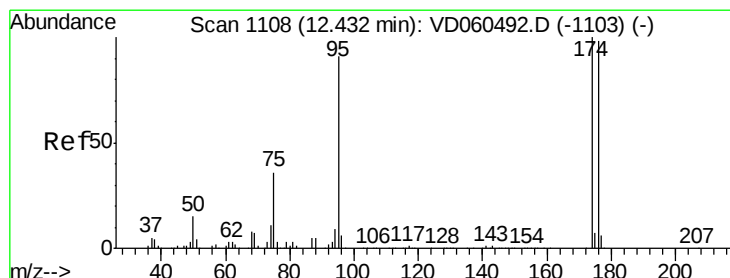
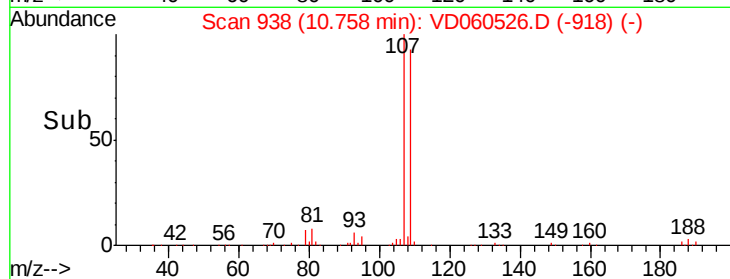
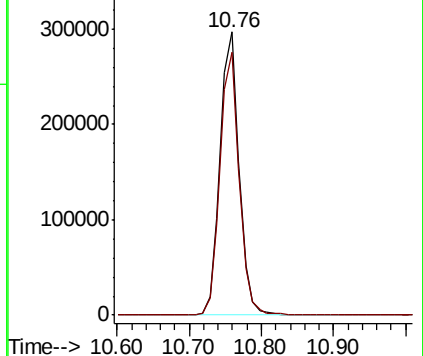
107 100

109 92.8 74.7 112.1



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.90 (108.60 to 109.60): V



#62

4-Bromofluorobenzene

Concen: 53.273 ug/l

RT: 12.42 min Scan# 1107

Delta R.T. -0.01 min

Lab File: VD060526.D

Acq: 11 Dec 2018 10:23

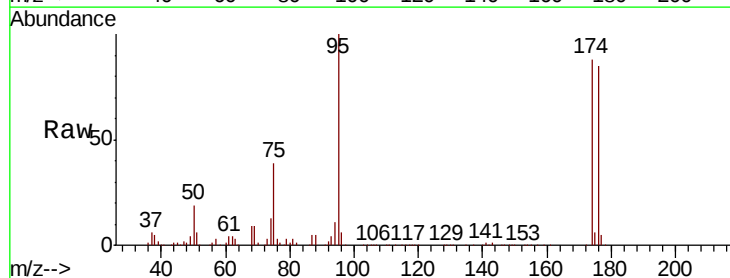
Tgt Ion: 95 Resp: 828513

Ion Ratio Lower Upper

95 100

174 87.9 0.0 219.4

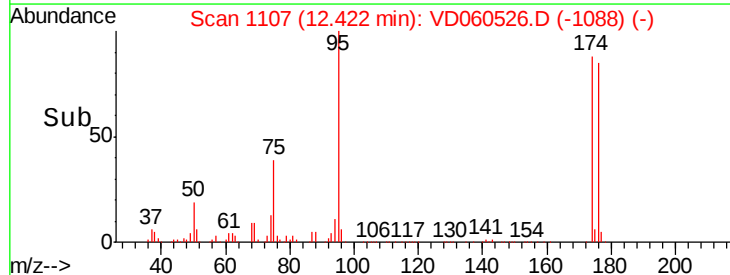
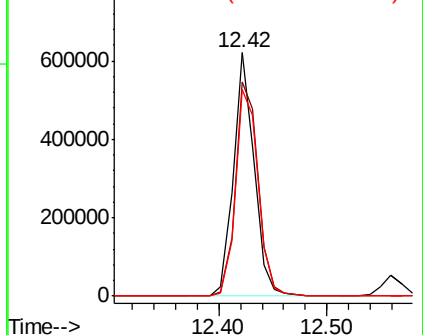
176 84.7 0.0 214.6

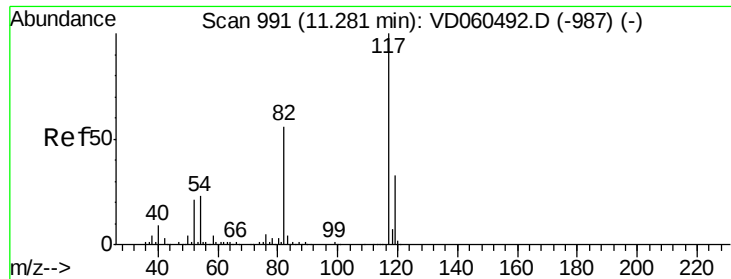


Abundance Ion 95.00 (94.70 to 95.70): V

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

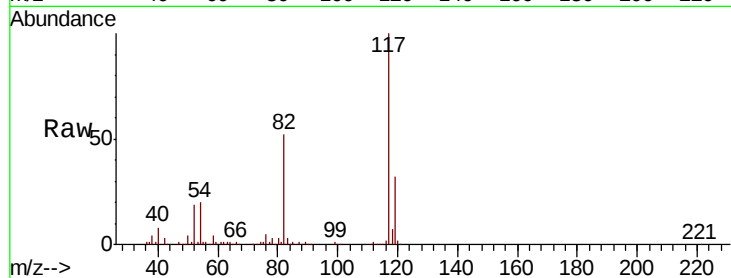




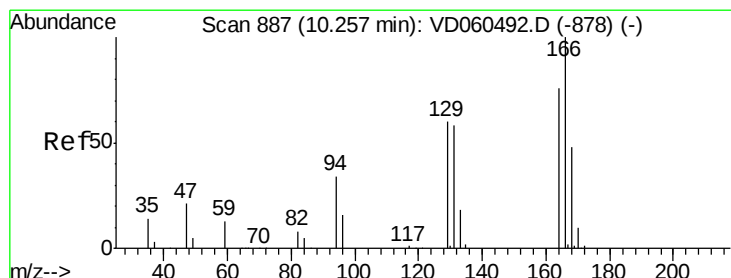
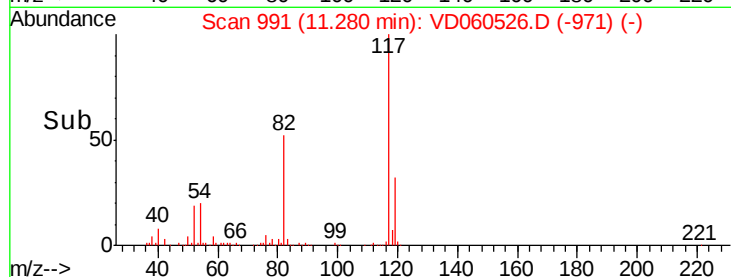
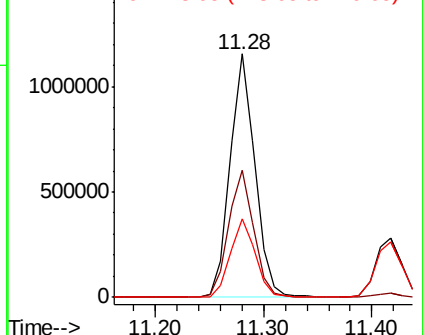
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.28 min Scan# 991
Delta R.T. -0.00 min
Lab File: VD060526.D
Acq: 11 Dec 2018 10:23

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:117 Resp: 1855276
Ion Ratio Lower Upper
117 100
82 52.4 45.2 67.8
119 32.4 26.1 39.1

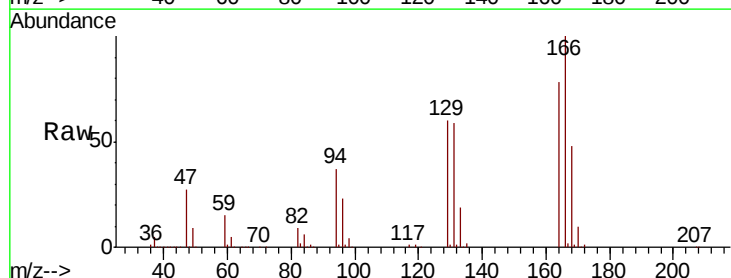


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

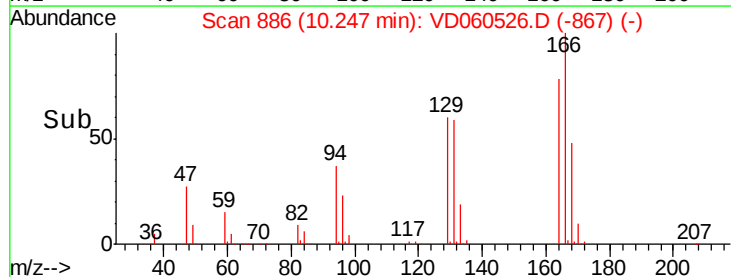
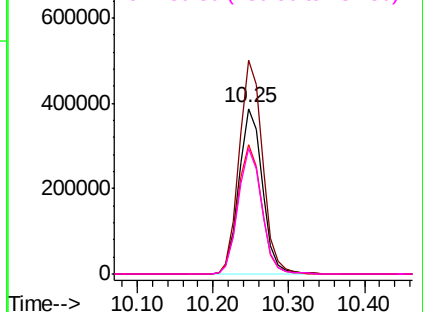


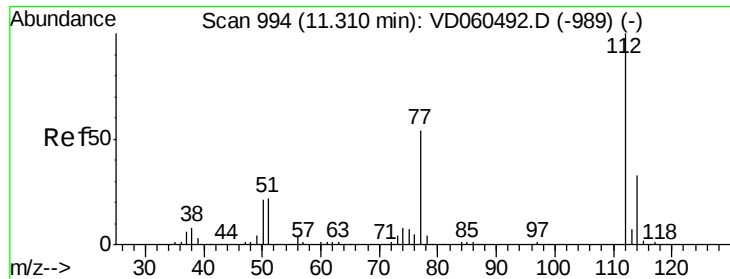
#64
Tetrachloroethene
Concen: 50.304 ug/l
RT: 10.25 min Scan# 886
Delta R.T. -0.01 min
Lab File: VD060526.D
Acq: 11 Dec 2018 10:23

Tgt Ion:164 Resp: 826397
Ion Ratio Lower Upper
164 100
166 128.9 105.0 157.6
129 77.7 63.0 94.4
131 75.5 60.6 90.8



Abundance Ion 163.85 (163.55 to 164.55): V
Ion 165.85 (165.55 to 166.55): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V





#65

Chlorobenzene

Concen: 49.805 ug/l

RT: 11.31 min Scan# 994

Delta R.T. -0.00 min

Lab File: VD060526.D

Acq: 11 Dec 2018 10:23

Instrument :

MSVOA_D

ClientSampleId :

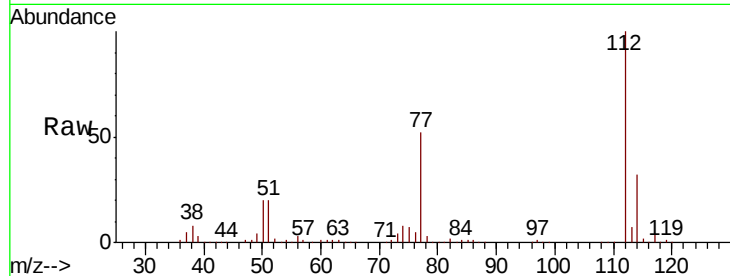
VSTDCCC050

Tot Ion:112 Resp: 1954817

Ion Ratio Lower Upper

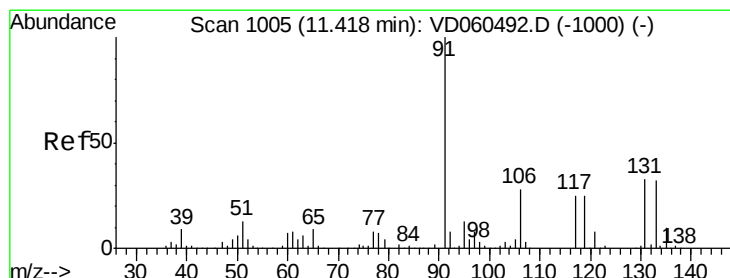
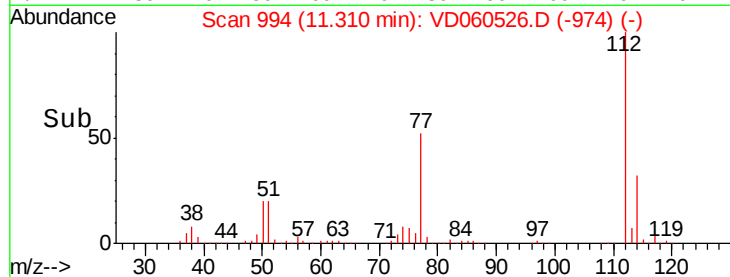
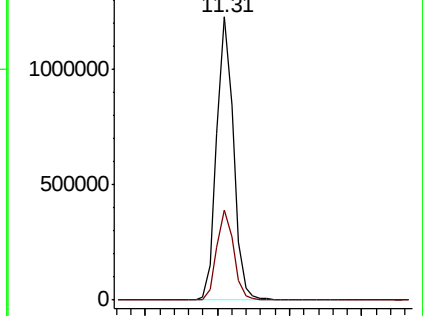
112 100

114 32.0 26.2 39.4



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 114.00 (113.70 to 114.70): V



#66

1,1,1,2-Tetrachloroethane

Concen: 50.670 ug/l

RT: 11.42 min Scan# 1005

Delta R.T. -0.00 min

Lab File: VD060526.D

Acq: 11 Dec 2018 10:23

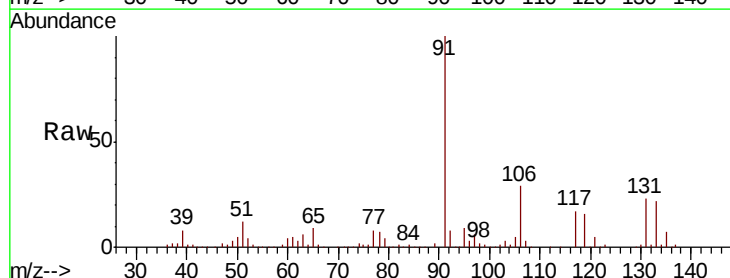
Tgt Ion:131 Resp: 641012

Ion Ratio Lower Upper

131 100

133 95.4 49.1 147.3

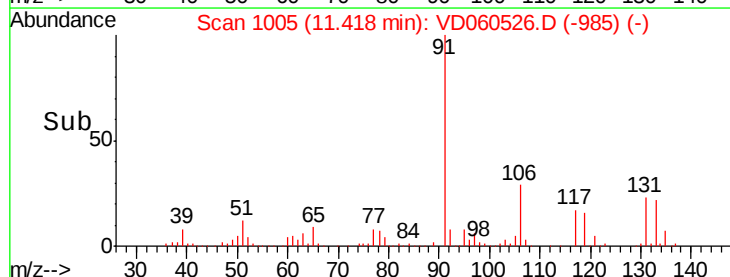
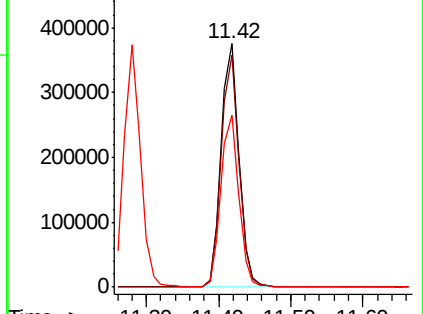
119 70.8 37.5 112.3

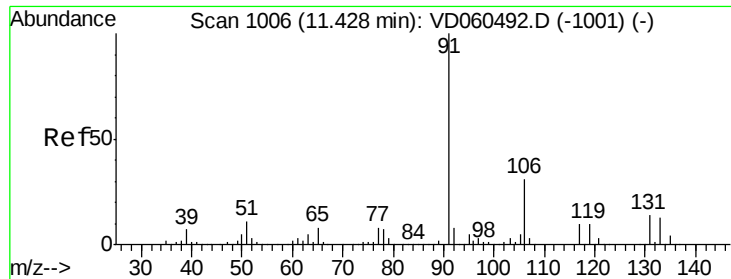


Abundance Ion 130.90 (130.60 to 131.60): V

Ion 132.90 (132.60 to 133.60): V

Ion 118.85 (118.55 to 119.55): V

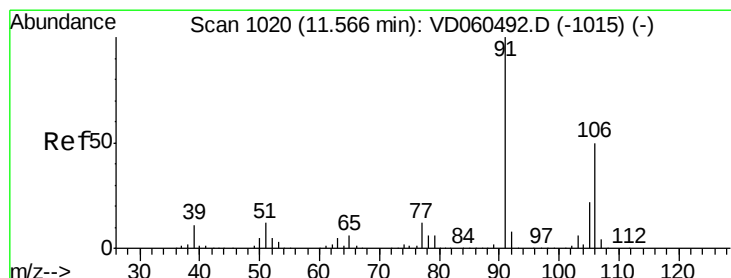
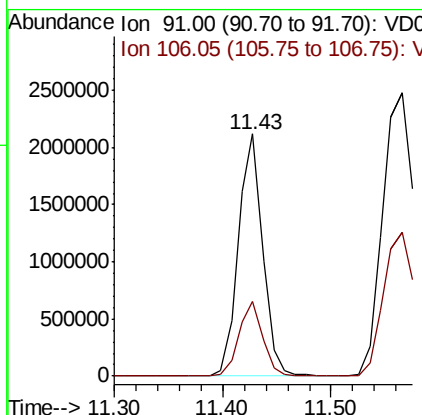
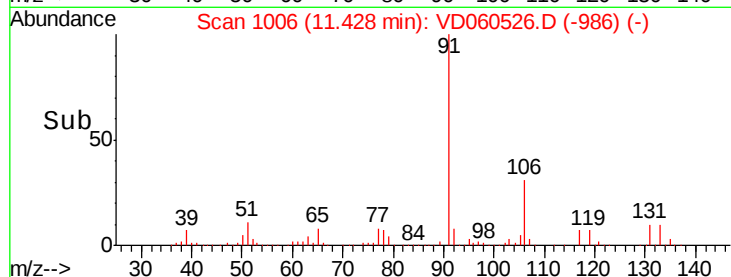
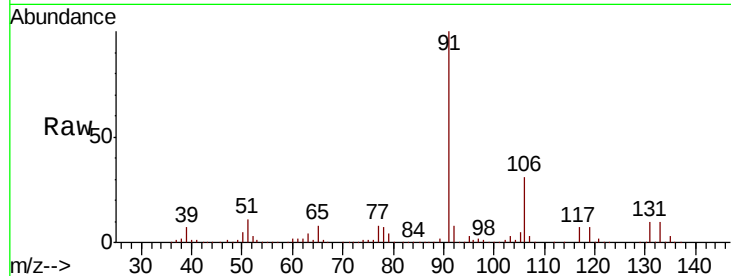




#67
Ethyl Benzene
Concen: 49.409 ug/l
RT: 11.43 min Scan# 1006
Delta R.T. -0.00 min
Lab File: VD060526.D
Acq: 11 Dec 2018 10:23

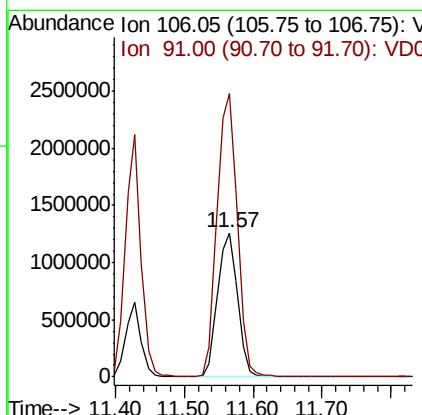
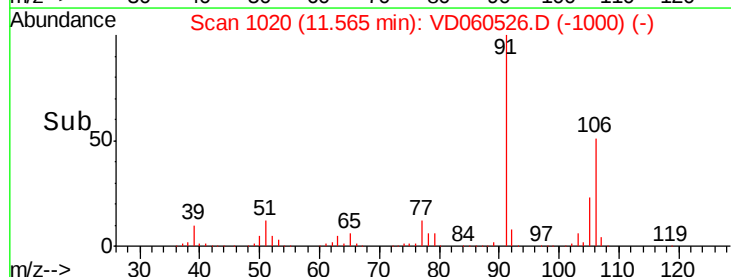
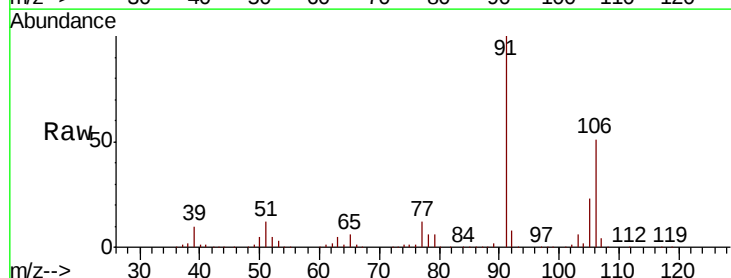
Instrument :
MSVOA_D
ClientSampleID :
VSTDCCC050

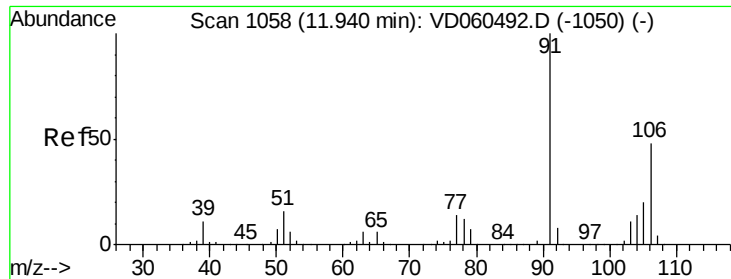
Tot Ion: 91 Resp: 3307851
Ion Ratio Lower Upper
91 100
106 30.9 24.6 37.0



#68
m/p-Xylenes
Concen: 101.223 ug/l
RT: 11.57 min Scan# 1020
Delta R.T. -0.00 min
Lab File: VD060526.D
Acq: 11 Dec 2018 10:23

Tgt Ion: 106 Resp: 2507058
Ion Ratio Lower Upper
106 100
91 196.7 160.5 240.7

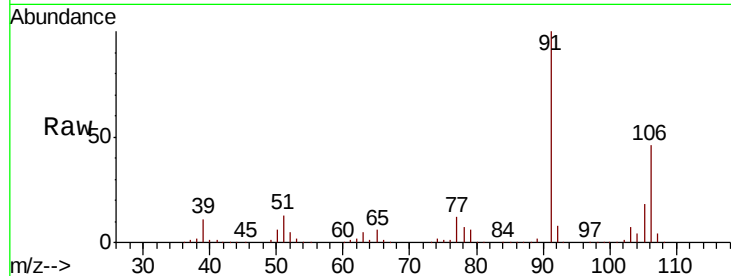




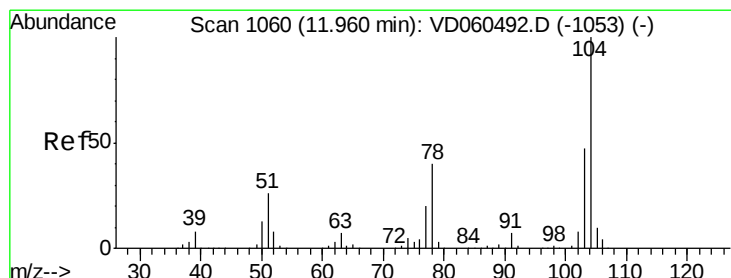
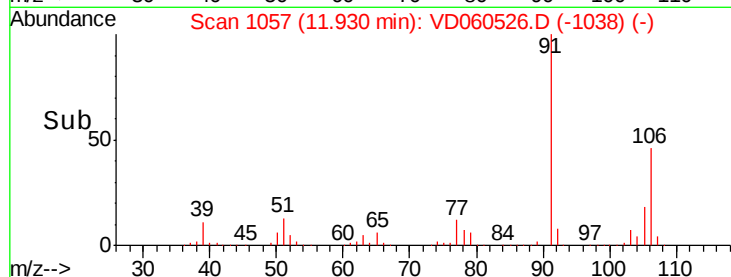
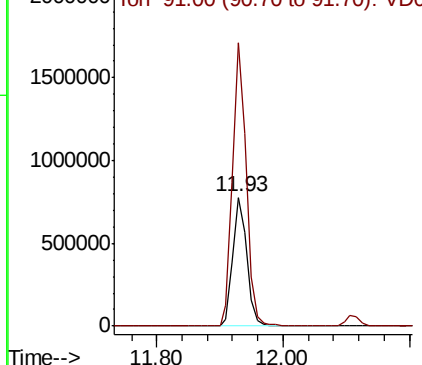
#69
o-Xylene
Concen: 49.689 ug/l
RT: 11.93 min Scan# 1057
Delta R.T. -0.01 min
Lab File: VD060526.D
Acq: 11 Dec 2018 10:23

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:106 Resp: 1172842
Ion Ratio Lower Upper
106 100
91 219.3 103.4 310.1

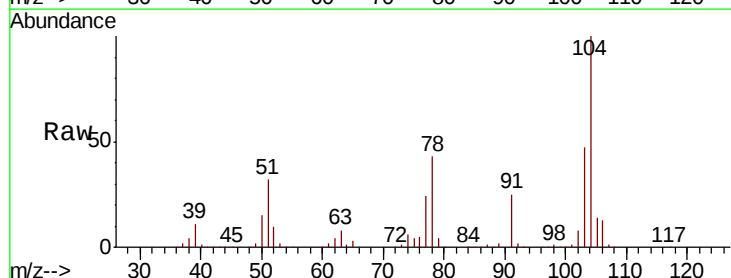


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): V

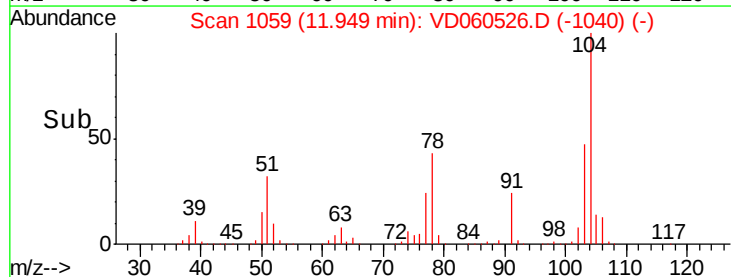
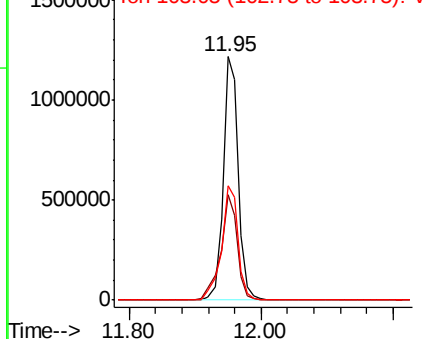


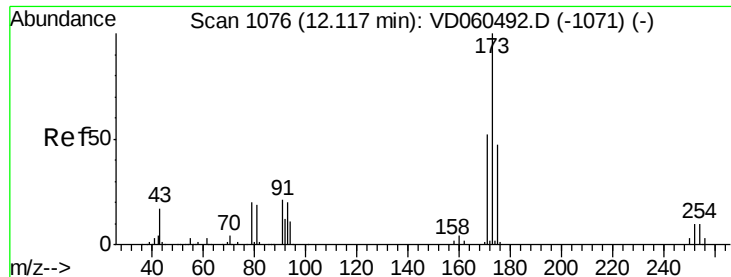
#70
Styrene
Concen: 50.583 ug/l
RT: 11.95 min Scan# 1059
Delta R.T. -0.01 min
Lab File: VD060526.D
Acq: 11 Dec 2018 10:23

Tgt Ion:104 Resp: 1916449
Ion Ratio Lower Upper
104 100
78 43.0 32.1 48.1
103 47.2 37.2 55.8



Abundance Ion 104.05 (103.75 to 104.75): V
Ion 77.95 (77.65 to 78.65): V
Ion 103.05 (102.75 to 103.75): V





#71

Bromoform

Concen: 51.738 ug/l

RT: 12.12 min Scan# 1076

Delta R.T. -0.00 min

Lab File: VD060526.D

Acq: 11 Dec 2018 10:23

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

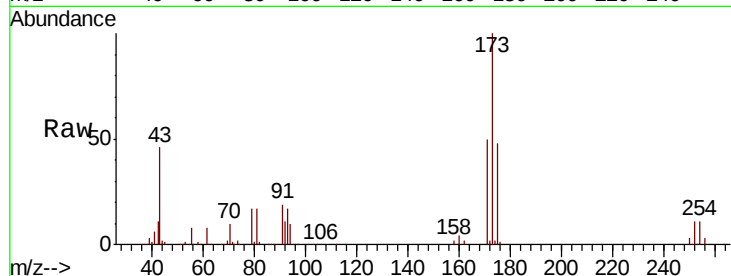
Tot Ion:173 Resp: 436674

Ion Ratio Lower Upper

173 100

175 48.2 23.5 70.6

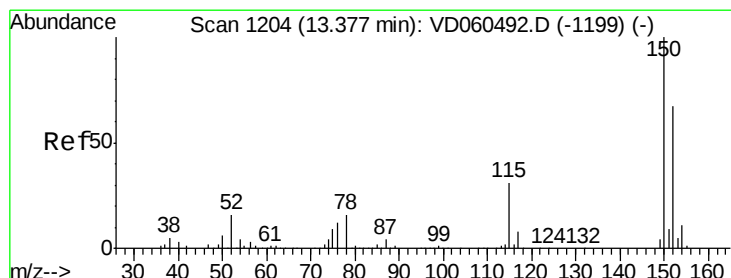
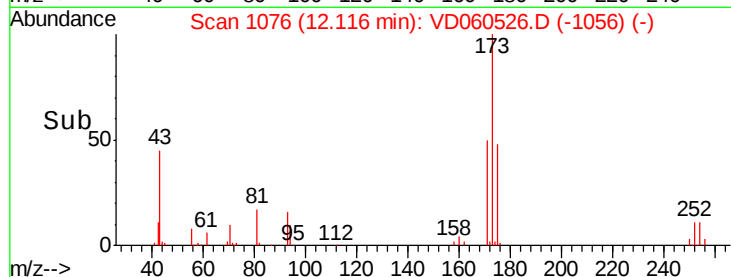
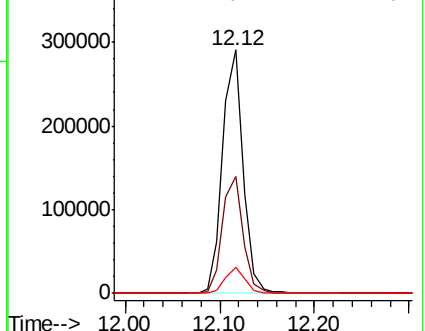
254 10.9 7.8 11.8



Abundance Ion 172.80 (172.50 to 173.50): V

Ion 174.80 (174.50 to 175.50): V

Ion 253.70 (253.40 to 254.40): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.37 min Scan# 1203

Delta R.T. -0.01 min

Lab File: VD060526.D

Acq: 11 Dec 2018 10:23

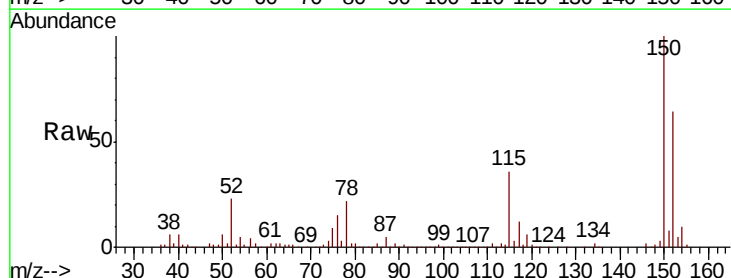
Tgt Ion:152 Resp: 913547

Ion Ratio Lower Upper

152 100

115 56.1 24.6 74.0

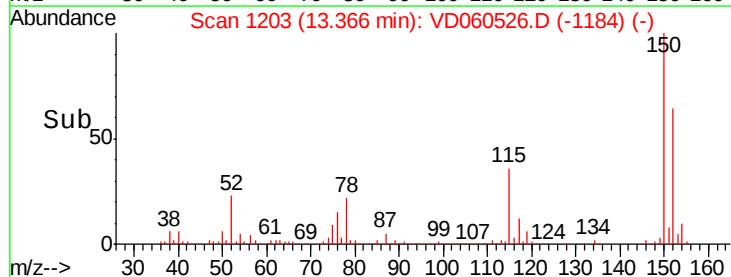
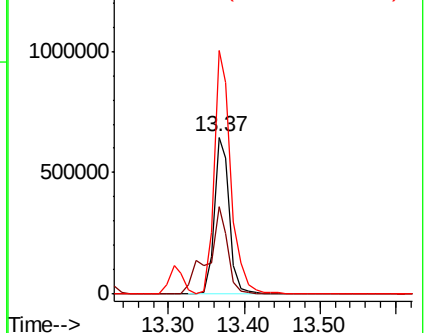
150 155.4 0.0 309.0

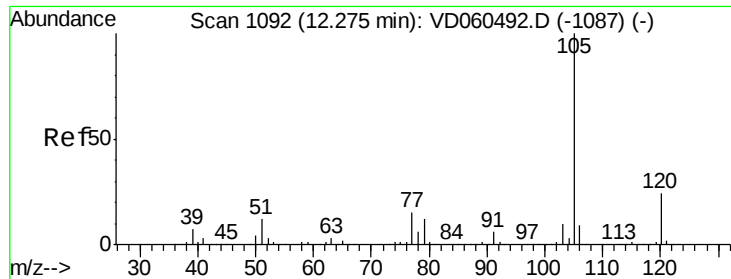


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 115.00 (114.70 to 115.70): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 51.404 ug/l

RT: 12.27 min Scan# 1092

Delta R.T. -0.00 min

Lab File: VD060526.D

Acq: 11 Dec 2018 10:23

Instrument :

MSVOA_D

ClientSampleId :

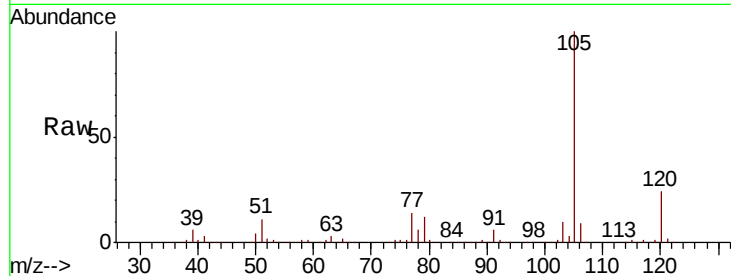
VSTDCCC050

Tot Ion:105 Resp: 3323046

Ion Ratio Lower Upper

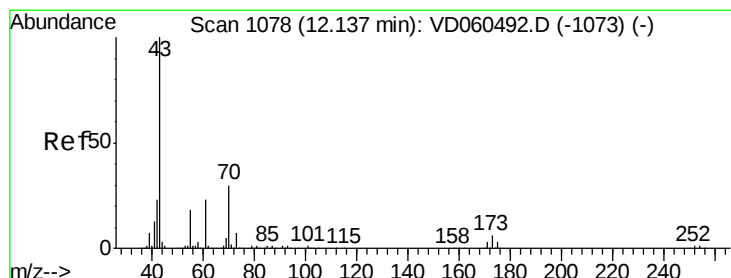
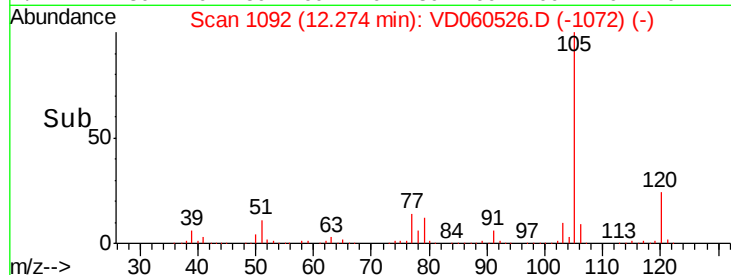
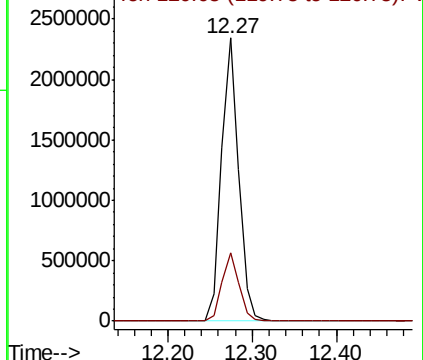
105 100

120 24.2 11.9 35.9



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#74

N-ethyl acetate

Concen: 53.060 ug/l

RT: 12.13 min Scan# 1077

Delta R.T. -0.01 min

Lab File: VD060526.D

Acq: 11 Dec 2018 10:23

Tgt Ion: 43 Resp: 828992

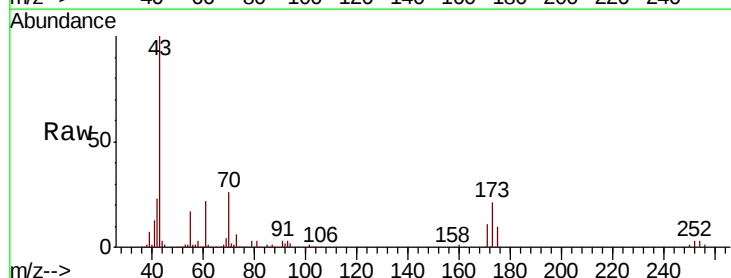
Ion Ratio Lower Upper

43 100

70 26.1 23.8 35.8

55 16.6 14.2 21.2

61 21.9 18.1 27.1

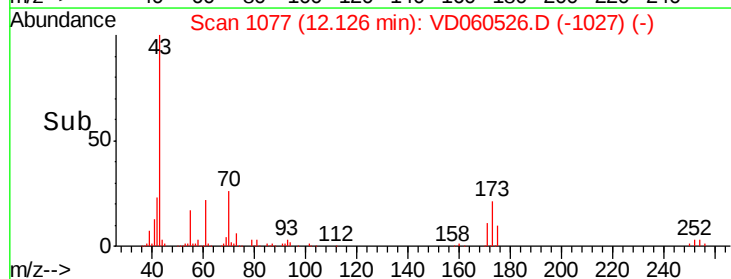
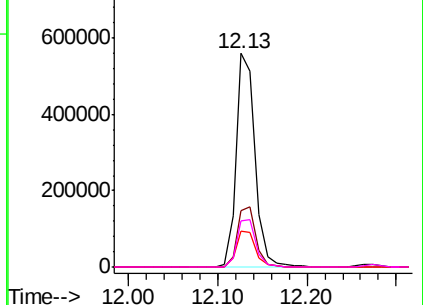


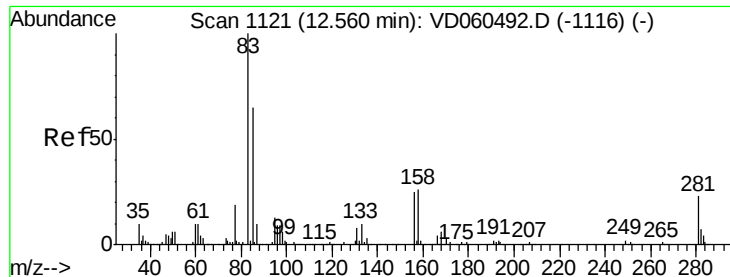
Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 60.95 (60.65 to 61.65): VDC





#75

1,1,2,2-Tetrachloroethane

Concen: 50.797 ug/l

RT: 12.56 min Scan# 1121

Delta R.T. -0.00 min

Lab File: VD060526.D

Acq: 11 Dec 2018 10:23

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

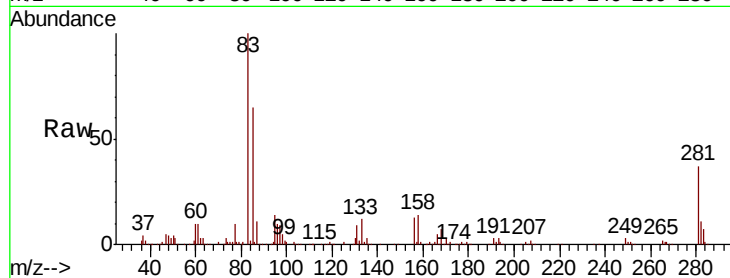
Tot Ion: 83 Resp: 525717

Ion Ratio Lower Upper

83 100

131 8.8 3.8 11.4

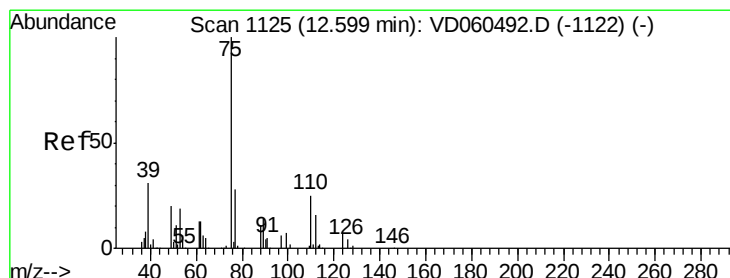
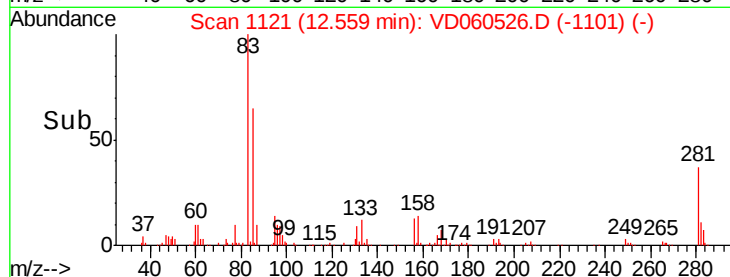
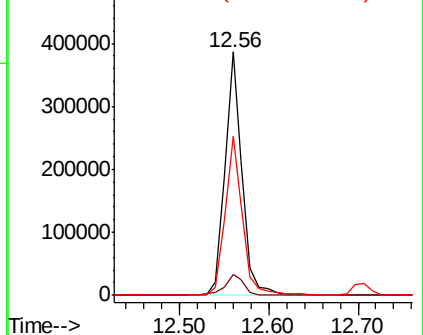
85 65.4 32.3 96.9



Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 130.90 (130.60 to 131.60): VDC

Ion 84.95 (84.65 to 85.65): VDC



#76

1,2,3-Trichloropropane

Concen: 52.542 ug/l

RT: 12.60 min Scan# 1125

Delta R.T. -0.00 min

Lab File: VD060526.D

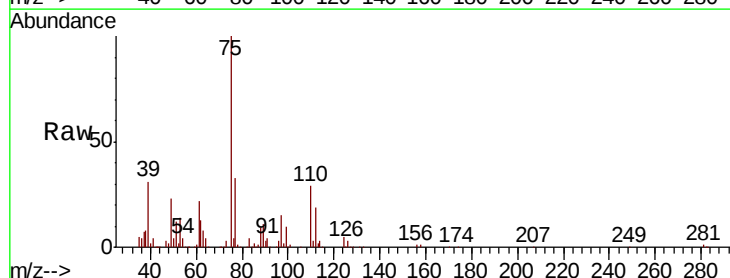
Acq: 11 Dec 2018 10:23

Tgt Ion: 75 Resp: 543865

Ion Ratio Lower Upper

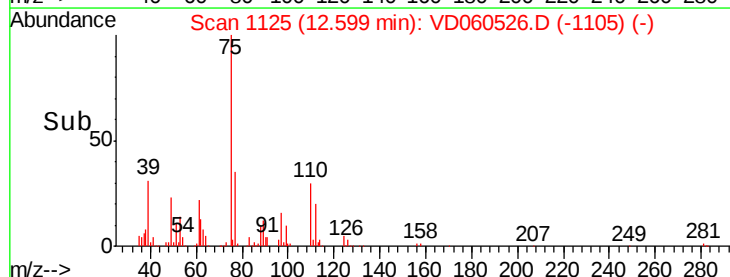
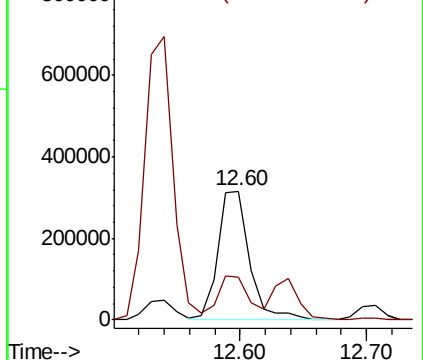
75 100

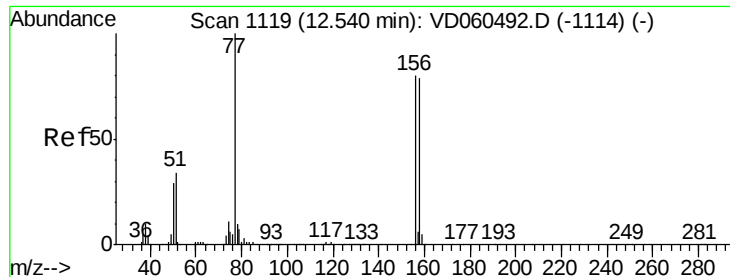
77 33.5 16.4 49.4



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 51.191 ug/l

RT: 12.54 min Scan# 1119

Delta R.T. -0.00 min

Lab File: VD060526.D

Acq: 11 Dec 2018 10:23

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

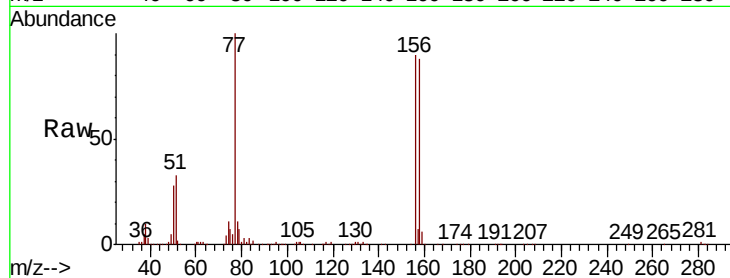
Tot Ion:156 Resp: 869859

Ion Ratio Lower Upper

156 100

77 110.6 62.5 187.6

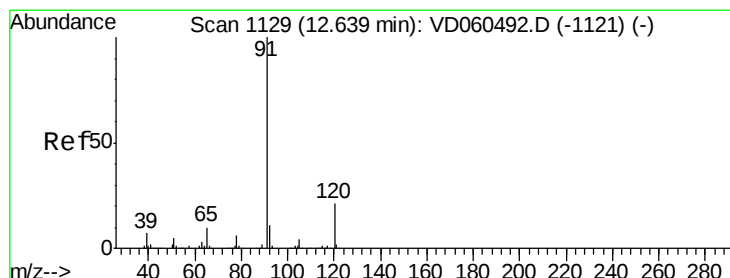
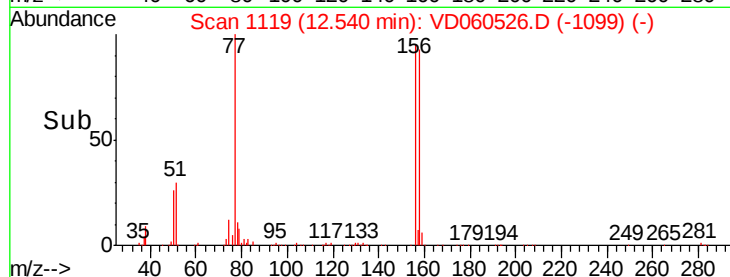
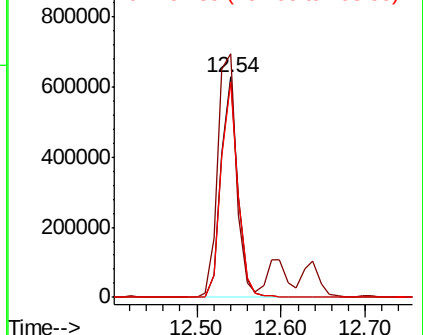
158 97.6 49.4 148.2



Abundance Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): V

Ion 157.85 (157.55 to 158.55): V



#78

n-propylbenzene

Concen: 51.395 ug/l

RT: 12.64 min Scan# 1129

Delta R.T. -0.00 min

Lab File: VD060526.D

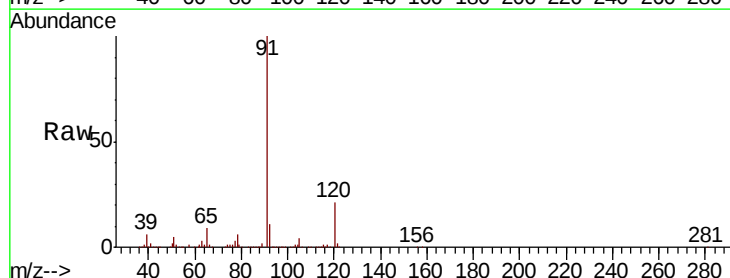
Acq: 11 Dec 2018 10:23

Tgt Ion: 91 Resp: 4199907

Ion Ratio Lower Upper

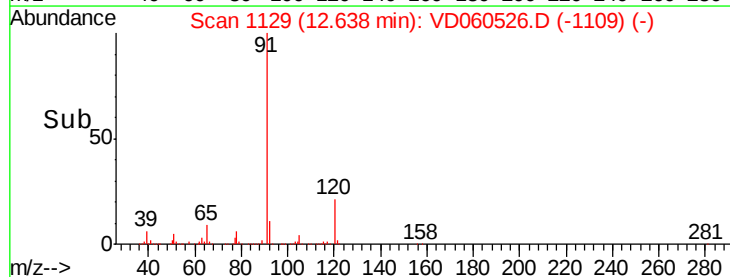
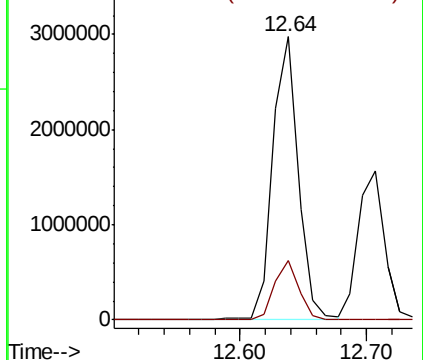
91 100

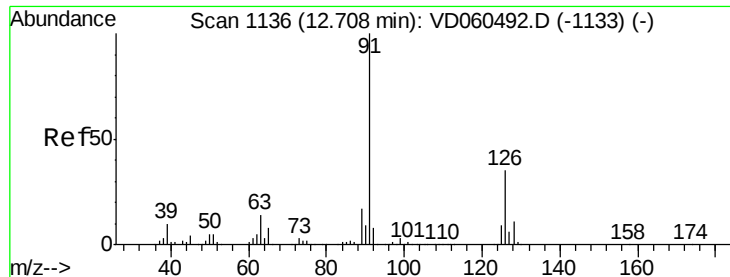
120 21.1 10.4 31.1



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V





#79

2-Chlorotoluene

Concen: 51.016 ug/l

RT: 12.71 min Scan# 1136

Delta R.T. -0.00 min

Lab File: VD060526.D

Acq: 11 Dec 2018 10:23

Instrument :

MSVOA_D

ClientSampleId :

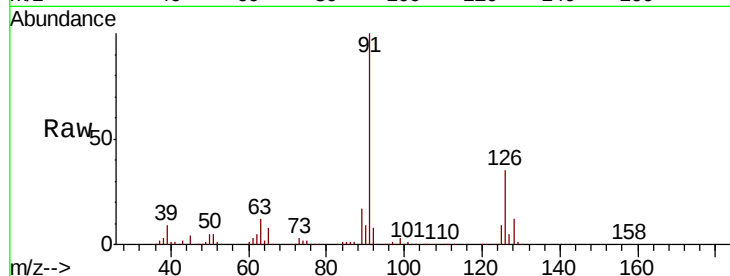
VSTDCCC050

Tot Ion: 91 Resp: 2262203

Ion Ratio Lower Upper

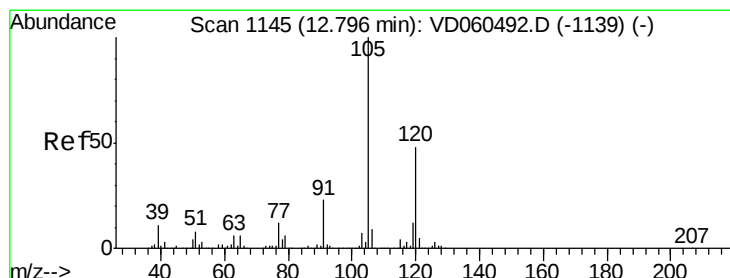
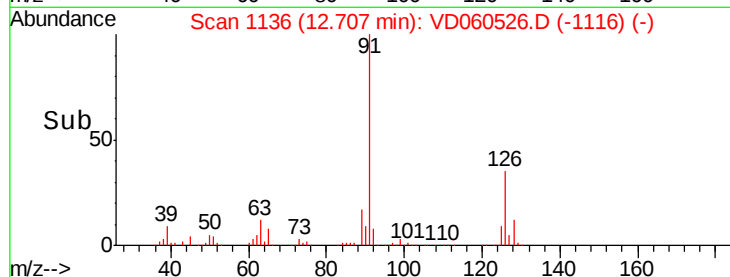
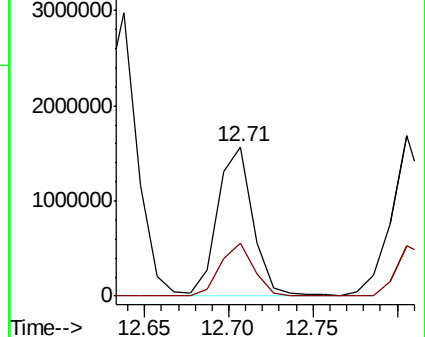
91 100

126 35.4 17.3 52.0



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 125.95 (125.65 to 126.65): V



#80

1,3,5-Trimethylbenzene

Concen: 50.584 ug/l

RT: 12.80 min Scan# 1145

Delta R.T. -0.00 min

Lab File: VD060526.D

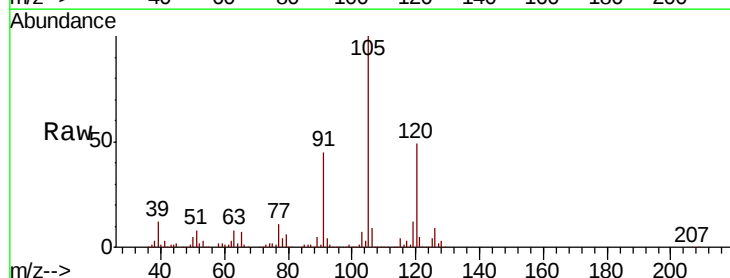
Acq: 11 Dec 2018 10:23

Tgt Ion:105 Resp: 2498719

Ion Ratio Lower Upper

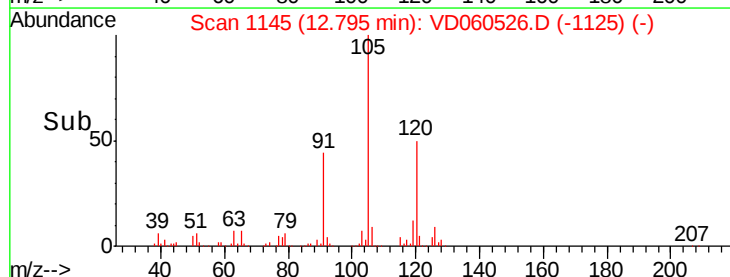
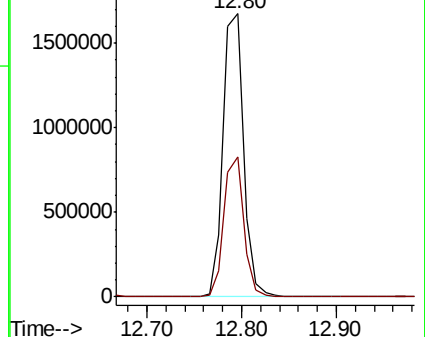
105 100

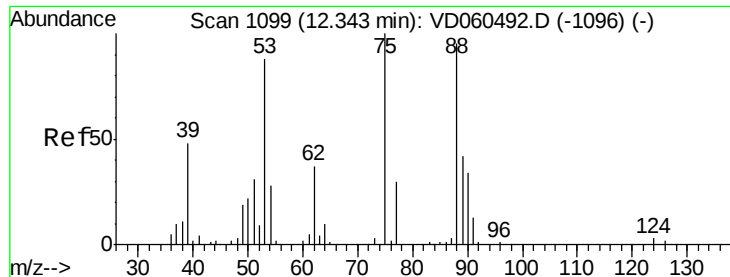
120 49.5 24.2 72.6



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V





#81

trans-1,4-Dichloro-2-butene

Concen: 56.232 ug/l

RT: 12.34 min Scan# 1099

Delta R.T. -0.00 min

Lab File: VD060526.D

Acq: 11 Dec 2018 10:23

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

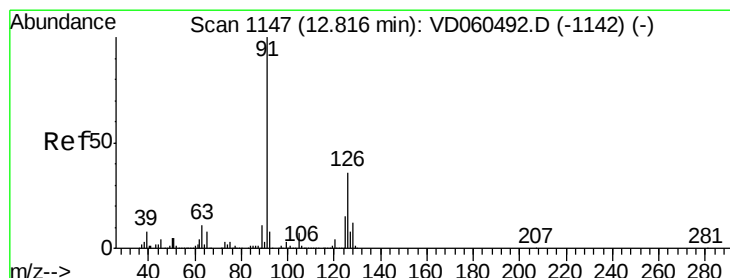
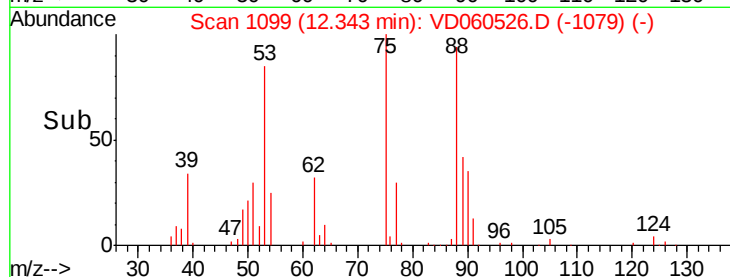
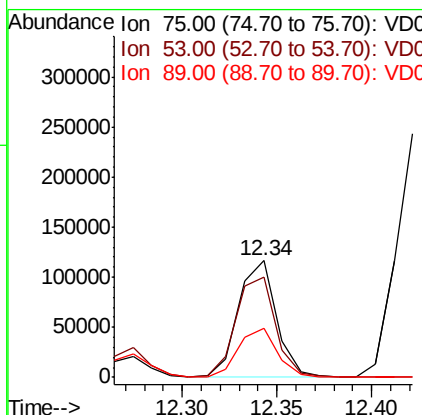
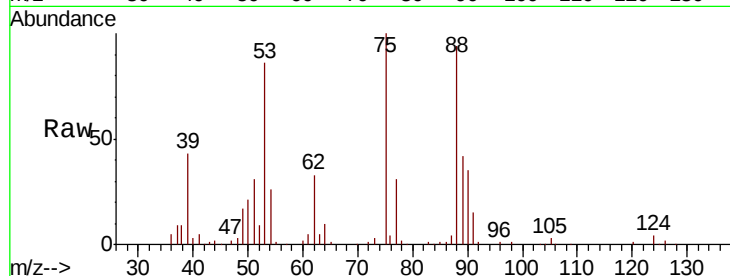
Tot Ion: 75 Resp: 162339

Ion Ratio Lower Upper

75 100

53 86.4 70.5 105.7

89 42.2 33.6 50.4



#82

4-Chlorotoluene

Concen: 49.603 ug/l

RT: 12.81 min Scan# 1146

Delta R.T. -0.01 min

Lab File: VD060526.D

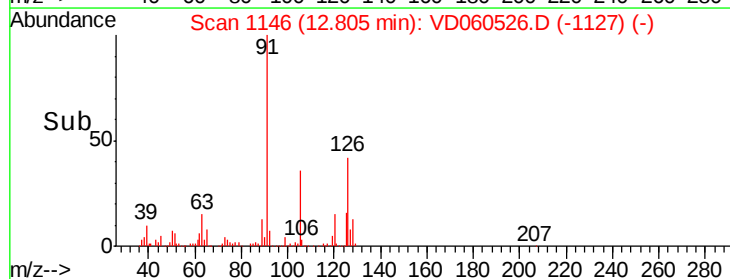
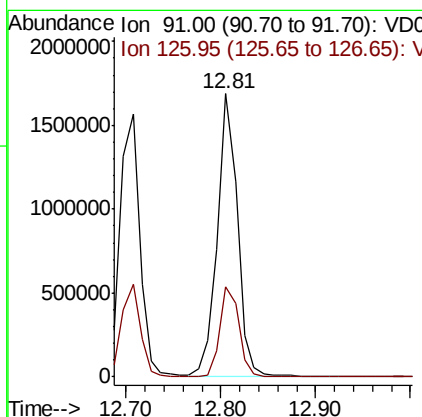
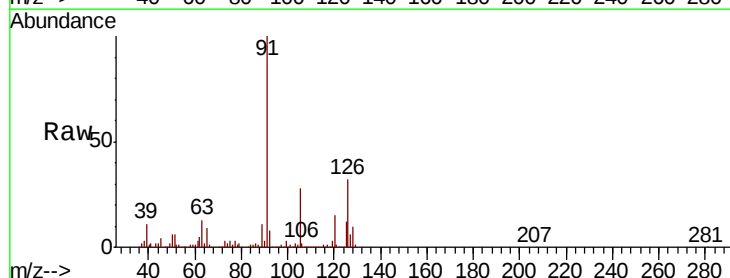
Acq: 11 Dec 2018 10:23

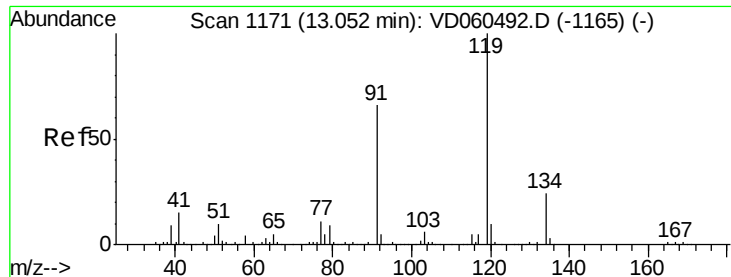
Tgt Ion: 91 Resp: 2470425

Ion Ratio Lower Upper

91 100

126 31.7 17.8 53.4

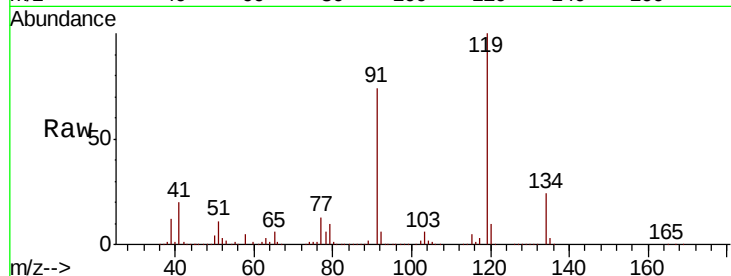




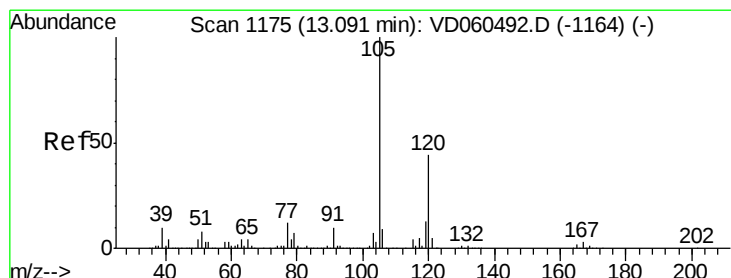
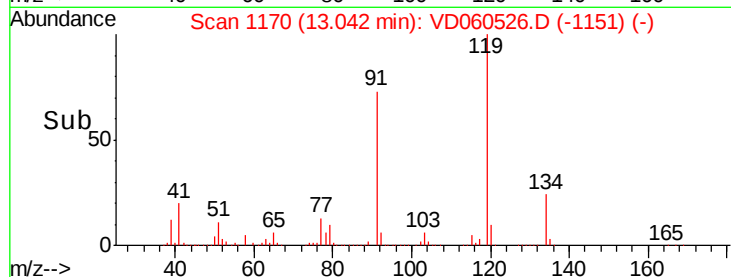
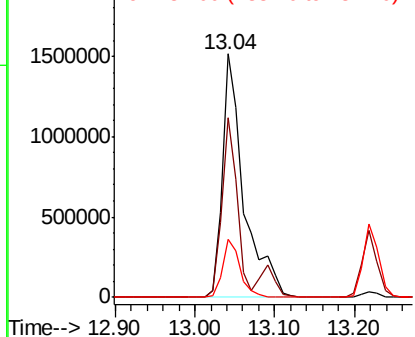
#83
tert-Butylbenzene
Concen: 51.886 ug/l
RT: 13.04 min Scan# 1170
Delta R.T. -0.01 min
Lab File: VD060526.D
Acq: 11 Dec 2018 10:23

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:119 Resp: 2873753
Ion Ratio Lower Upper
119 100
91 73.9 33.1 99.2
134 23.8 12.0 36.0

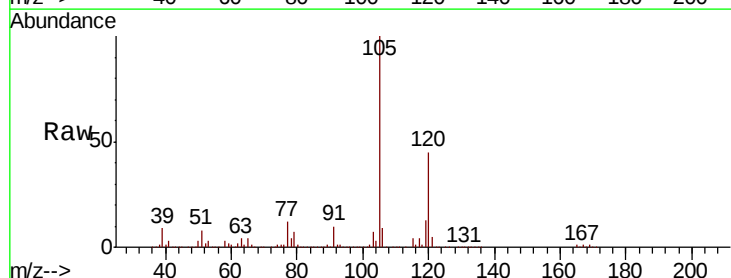


Abundance Ion 119.05 (118.75 to 119.75): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

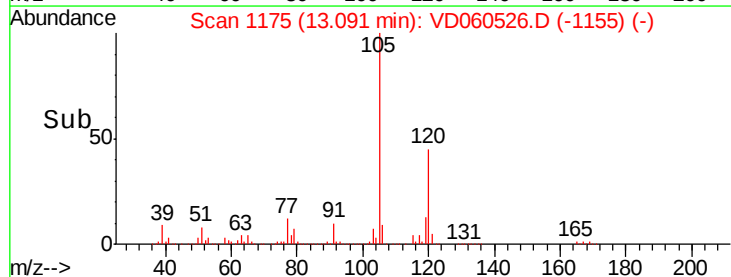
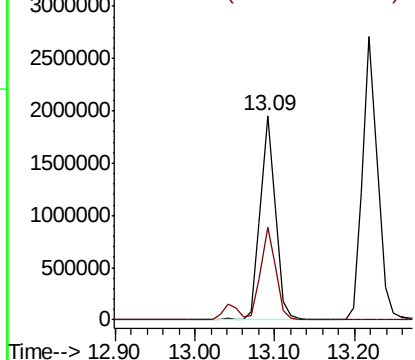


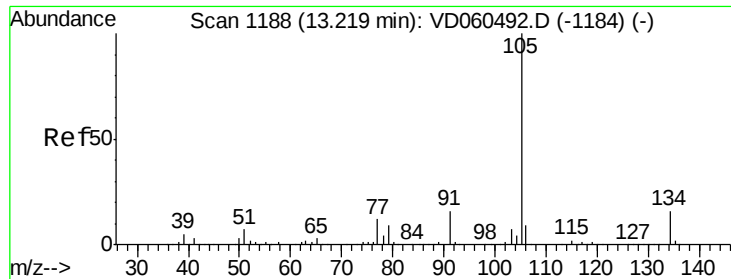
#84
1,2,4-Trimethylbenzene
Concen: 49.505 ug/l
RT: 13.09 min Scan# 1175
Delta R.T. -0.00 min
Lab File: VD060526.D
Acq: 11 Dec 2018 10:23

Tgt Ion:105 Resp: 2532092
Ion Ratio Lower Upper
105 100
120 45.2 22.3 66.8



Abundance Ion 105.05 (104.75 to 105.75): V
Ion 120.05 (119.75 to 120.75): V





#85

sec-Butylbenzene

Concen: 51.719 ug/l

RT: 13.22 min Scan# 1188

Delta R.T. -0.00 min

Lab File: VD060526.D

Acq: 11 Dec 2018 10:23

Instrument :

MSVOA_D

ClientSampleId :

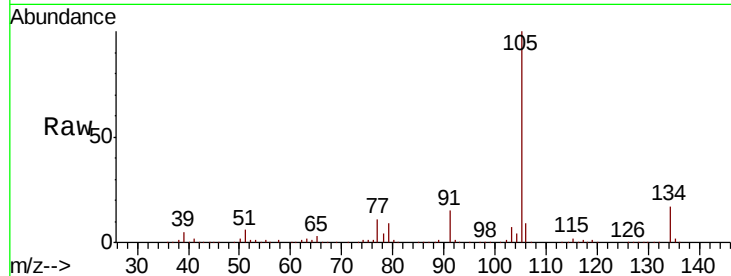
VSTDCCC050

Tot Ion:105 Resp: 3570263

Ion Ratio Lower Upper

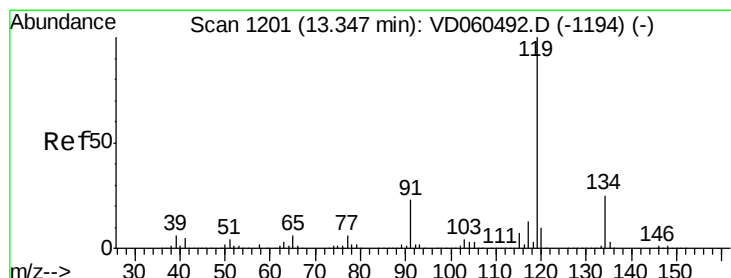
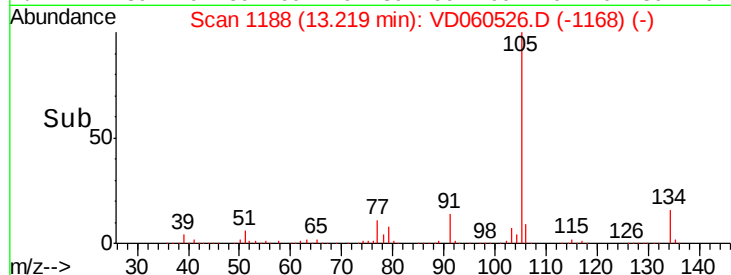
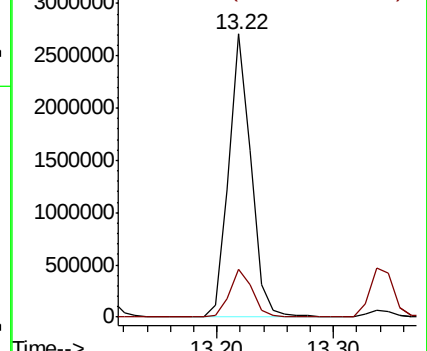
105 100

134 16.8 7.9 23.7



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 134.10 (133.80 to 134.80): V



#86

p-Isopropyltoluene

Concen: 50.179 ug/l

RT: 13.34 min Scan# 1200

Delta R.T. -0.01 min

Lab File: VD060526.D

Acq: 11 Dec 2018 10:23

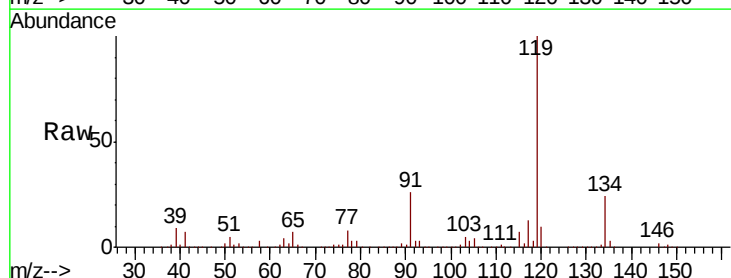
Tgt Ion:119 Resp: 2745894

Ion Ratio Lower Upper

119 100

134 24.0 12.5 37.5

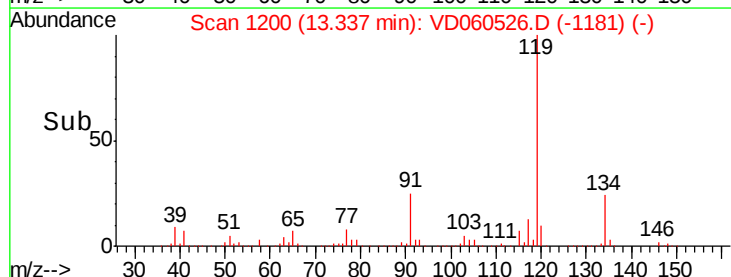
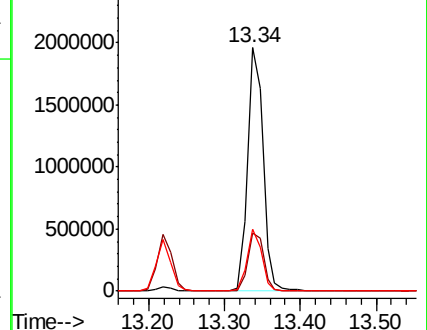
91 25.5 11.5 34.4

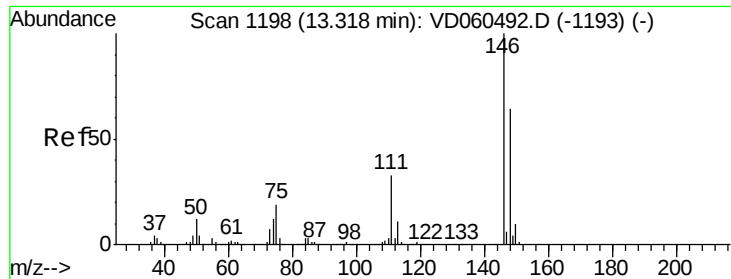


Abundance Ion 119.05 (118.75 to 119.75): V

Ion 134.10 (133.80 to 134.80): V

Ion 91.00 (90.70 to 91.70): V

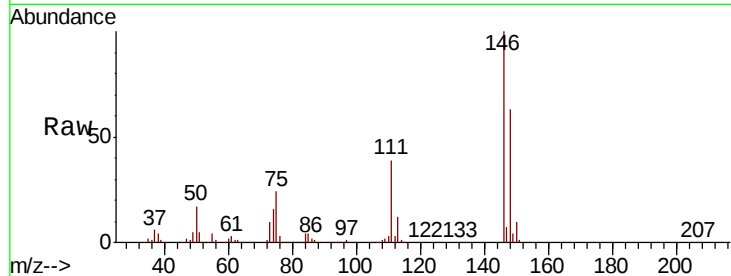




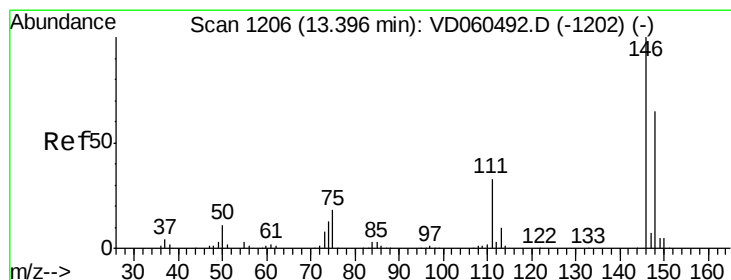
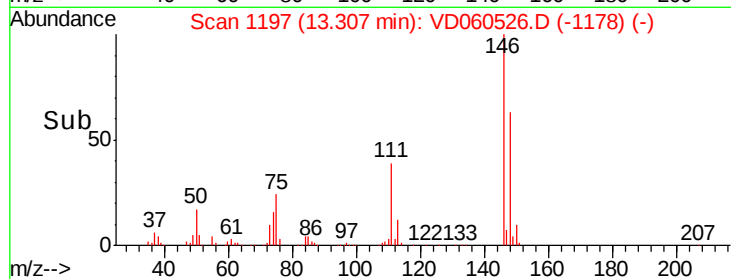
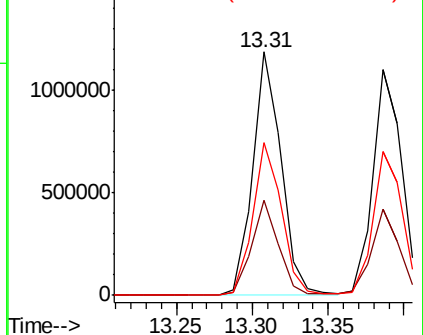
#87
 1,3-Dichlorobenzene
 Concen: 50.541 ug/l
 RT: 13.31 min Scan# 1197
 Delta R.T. -0.01 min
 Lab File: VD060526.D
 Acq: 11 Dec 2018 10:23

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion:146 Resp: 1554961
 Ion Ratio Lower Upper
 146 100
 111 39.0 16.5 49.5
 148 62.8 32.3 96.8

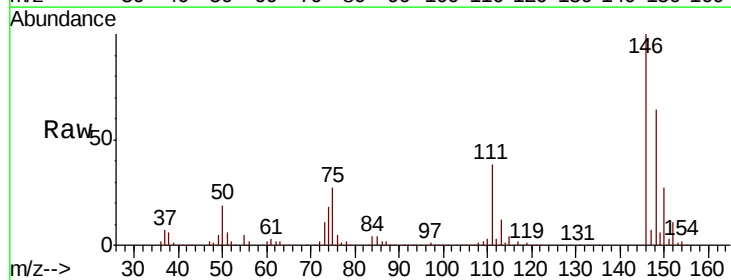


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

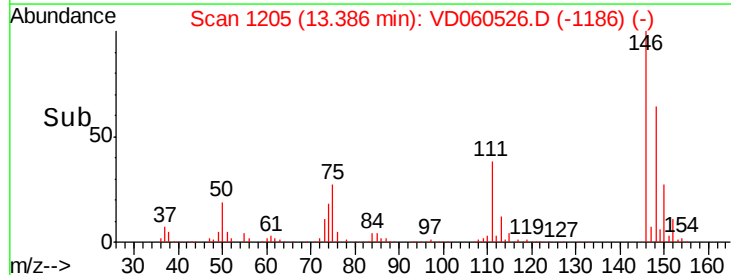
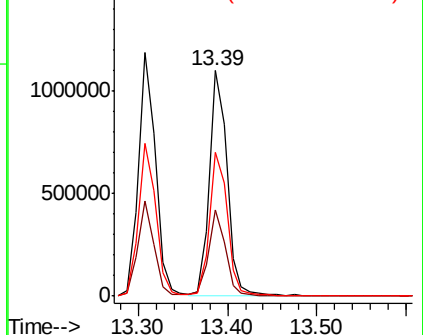


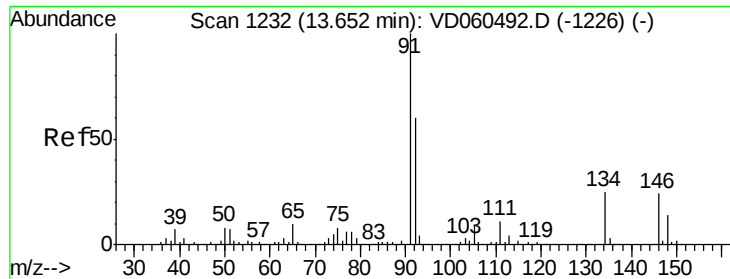
#88
 1,4-Dichlorobenzene
 Concen: 49.757 ug/l
 RT: 13.39 min Scan# 1205
 Delta R.T. -0.01 min
 Lab File: VD060526.D
 Acq: 11 Dec 2018 10:23

Tgt Ion:146 Resp: 1501795
 Ion Ratio Lower Upper
 146 100
 111 38.3 16.4 49.1
 148 63.6 32.6 98.0



Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

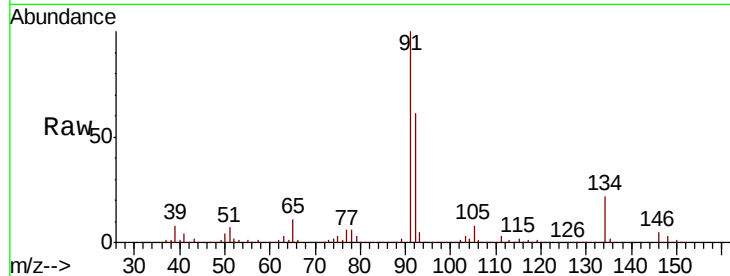




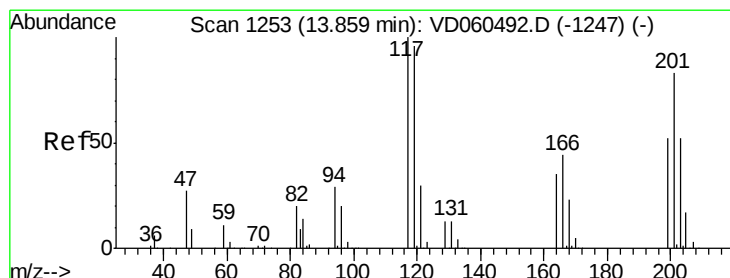
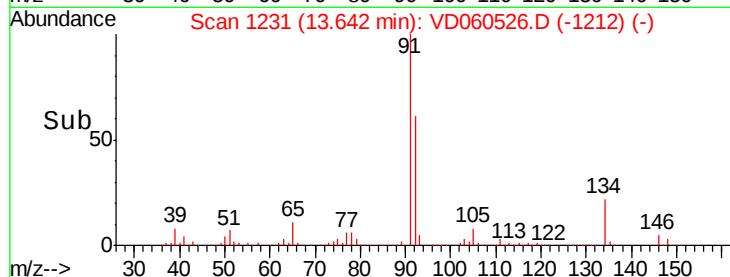
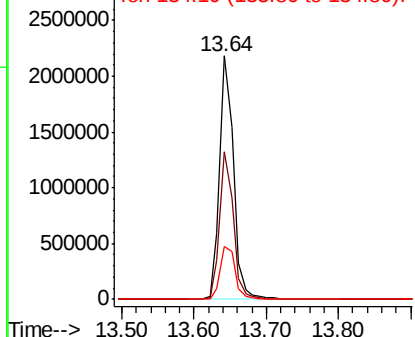
#89
n-Butylbenzene
Concen: 53.812 ug/l
RT: 13.64 min Scan# 1231
Delta R.T. -0.01 min
Lab File: VD060526.D
Acq: 11 Dec 2018 10:23

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 2872199
Ion Ratio Lower Upper
91 100
92 60.6 30.0 90.1
134 21.8 12.5 37.5

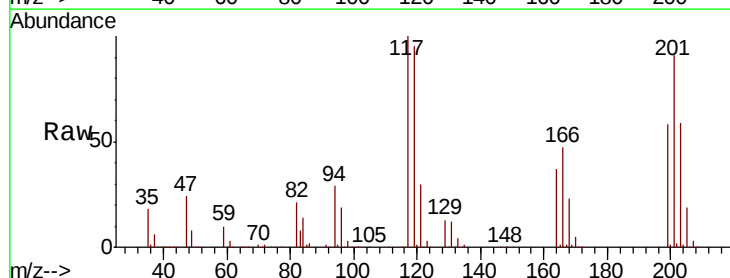


Abundance Ion 91.00 (90.70 to 91.70): VDC
Ion 92.00 (91.70 to 92.70): VDC
Ion 134.10 (133.80 to 134.80): V

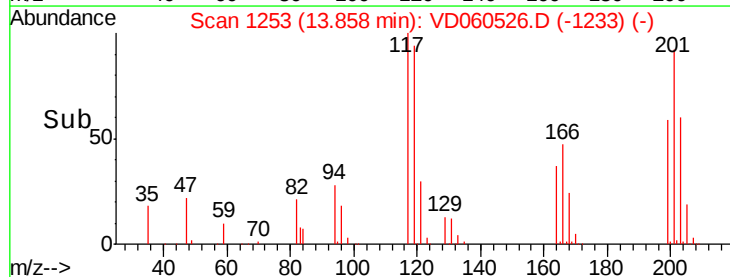
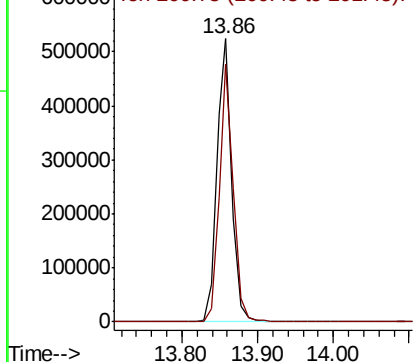


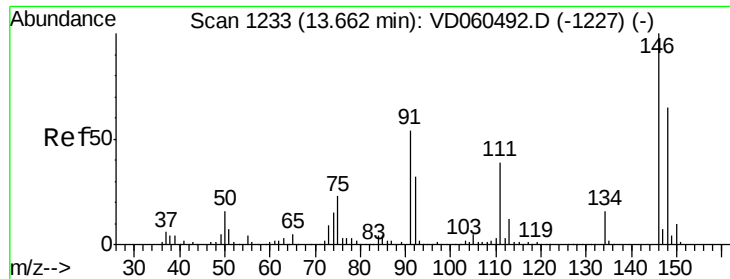
#90
Hexachloroethane
Concen: 52.848 ug/l
RT: 13.86 min Scan# 1253
Delta R.T. -0.00 min
Lab File: VD060526.D
Acq: 11 Dec 2018 10:23

Tgt Ion: 117 Resp: 725089
Ion Ratio Lower Upper
117 100
201 91.1 41.3 123.9



Abundance Ion 116.85 (116.55 to 117.55): V
Ion 200.75 (200.45 to 201.45): V

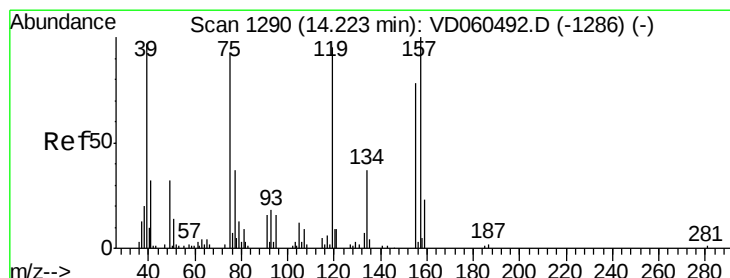
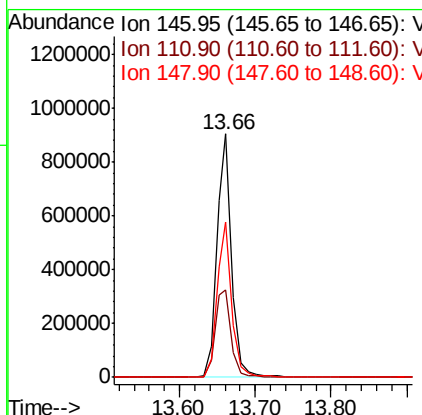
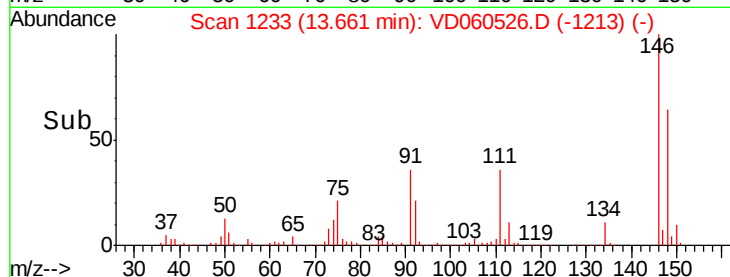
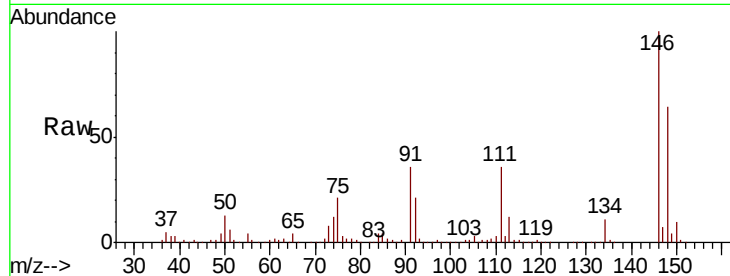




#91
 1,2-Dichlorobenzene
 Concen: 48.913 ug/l
 RT: 13.66 min Scan# 1233
 Delta R.T. -0.00 min
 Lab File: VD060526.D
 Acq: 11 Dec 2018 10:23

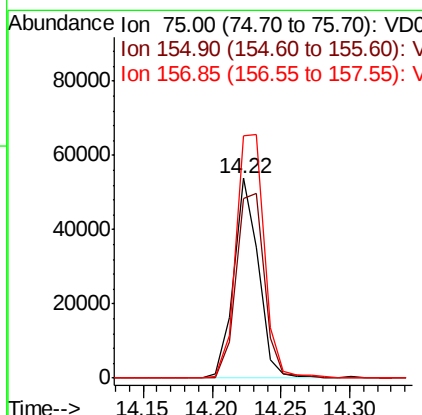
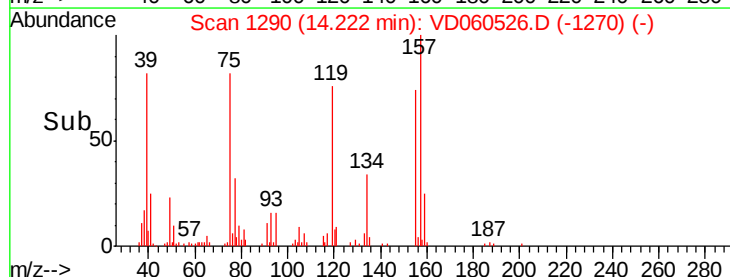
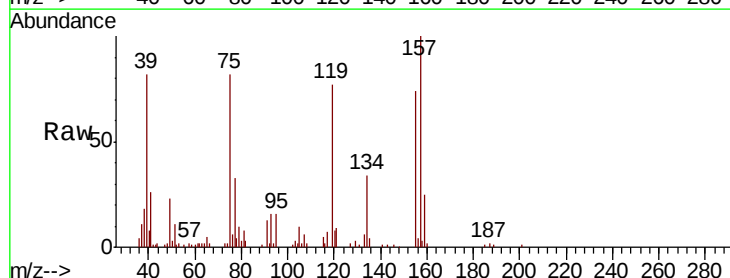
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

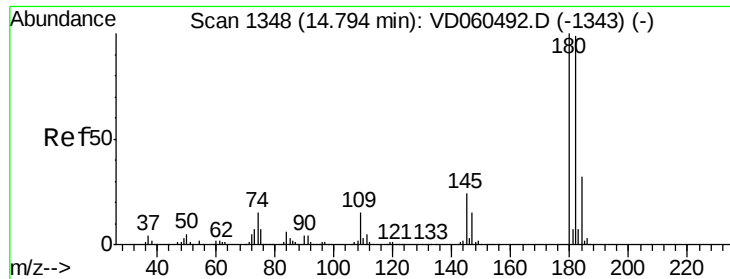
Tot Ion:146 Resp: 1229829
 Ion Ratio Lower Upper
 146 100
 111 35.8 19.3 57.8
 148 63.9 32.3 96.8



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 53.508 ug/l
 RT: 14.22 min Scan# 1290
 Delta R.T. -0.00 min
 Lab File: VD060526.D
 Acq: 11 Dec 2018 10:23

Tgt Ion: 75 Resp: 67099
 Ion Ratio Lower Upper
 75 100
 155 89.7 41.6 124.9
 157 121.6 53.6 160.8

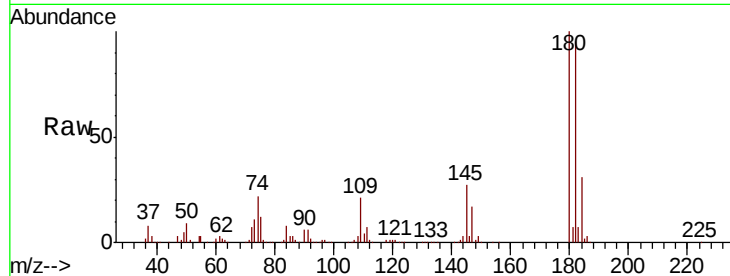




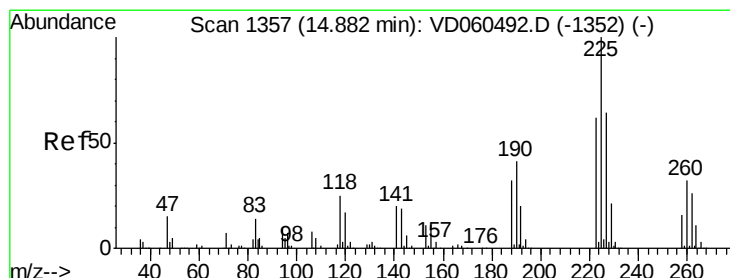
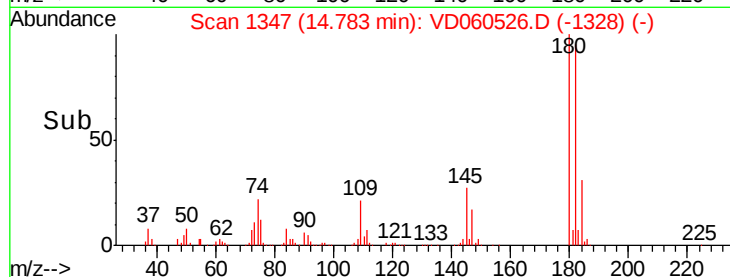
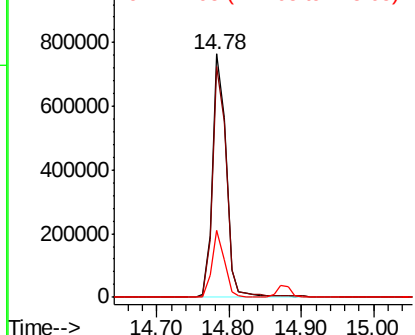
#93
 1,2,4-Trichlorobenzene
 Concen: 51.281 ug/l
 RT: 14.78 min Scan# 1347
 Delta R.T. -0.01 min
 Lab File: VD060526.D
 Acq: 11 Dec 2018 10:23

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion:180 Resp: 1007943
 Ion Ratio Lower Upper
 180 100
 182 94.7 49.4 148.0
 145 27.3 11.9 35.9

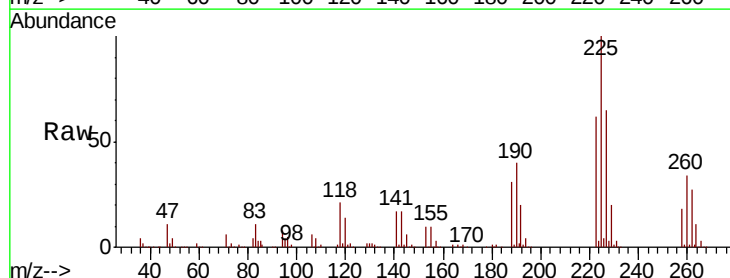


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

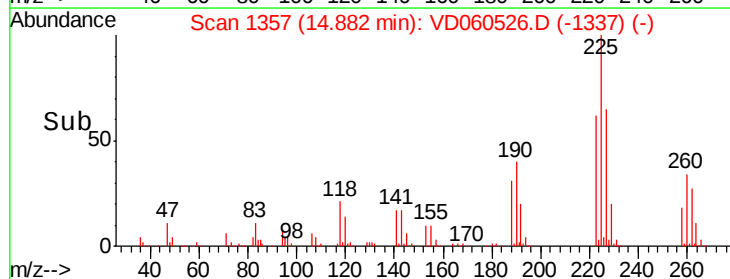
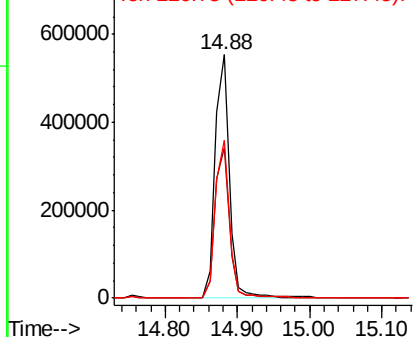


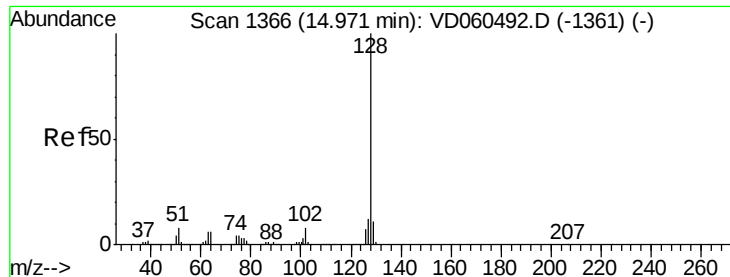
#94
 Hexachlorobutadiene
 Concen: 51.893 ug/l
 RT: 14.88 min Scan# 1357
 Delta R.T. -0.00 min
 Lab File: VD060526.D
 Acq: 11 Dec 2018 10:23

Tgt Ion:225 Resp: 752541
 Ion Ratio Lower Upper
 225 100
 223 61.6 31.2 93.6
 227 64.6 32.0 96.0



Abundance Ion 224.75 (224.45 to 225.45): V
 Ion 222.75 (222.45 to 223.45): V
 Ion 226.75 (226.45 to 227.45): V

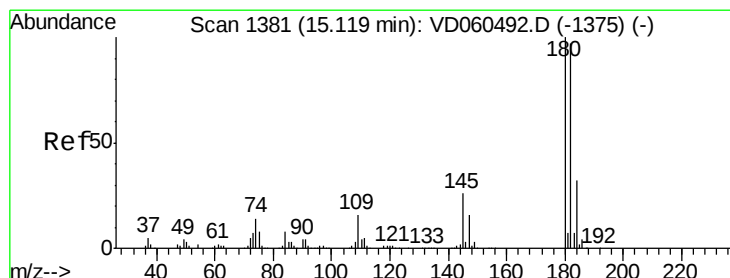
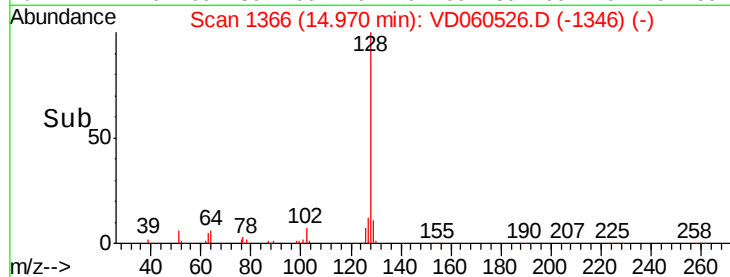
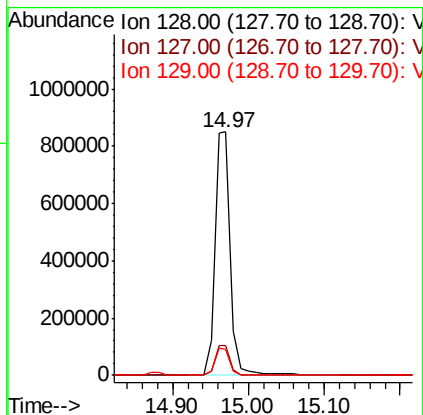
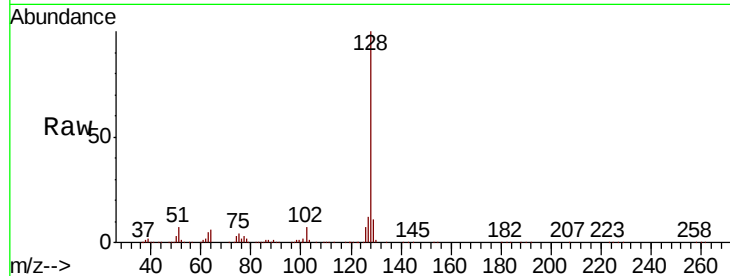




#95
Naphthalene
Concen: 52.302 ug/l
RT: 14.97 min Scan# 1366
Delta R.T. -0.00 min
Lab File: VD060526.D
Acq: 11 Dec 2018 10:23

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:128 Resp: 1222977
Ion Ratio Lower Upper
128 100
127 12.0 9.8 14.8
129 10.8 8.6 13.0



#96
1,2,3-Trichlorobenzene
Concen: 51.917 ug/l
RT: 15.11 min Scan# 1380
Delta R.T. -0.01 min
Lab File: VD060526.D
Acq: 11 Dec 2018 10:23

Tgt Ion:180 Resp: 813090
Ion Ratio Lower Upper
180 100
182 95.3 48.5 145.5
145 29.2 12.9 38.7

