

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD121718\
 Data File : VD060591.D
 Acq On : 17 Dec 2018 10:58
 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 18 11:13:58 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	6.43	168	1630681	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	7.47	114	2285176	50.00	ug/l	0.01
63) Chlorobenzene-d5	11.30	117	1814323	50.00	ug/l	0.02
72) 1,4-Dichlorobenzene-d4	13.38	152	925238	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.82	65	559942	48.45	ug/l	0.02
Spiked Amount	50.000		Recovery	=	96.90%	
35) Dibromofluoromethane	6.35	113	831228	49.52	ug/l	0.02
Spiked Amount	50.000		Recovery	=	99.04%	
50) Toluene-d8	9.48	98	2387274	49.15	ug/l	0.02
Spiked Amount	50.000		Recovery	=	98.30%	
62) 4-Bromofluorobenzene	12.44	95	833267	47.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.88%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.62	85	804747	52.186	ug/l	96
3) Chloromethane	1.79	50	821931	49.058	ug/l	97
4) Vinyl Chloride	1.89	62	697755	52.182	ug/l	99
5) Bromomethane	2.18	94	178255	53.287	ug/l	95
6) Chloroethane	2.29	64	226278	52.986	ug/l	97
7) Trichlorofluoromethane	2.55	101	852939	55.243	ug/l	100
8) Diethyl Ether	2.86	74	145164	54.433	ug/l	88
9) 1,1,2-Trichlorotrifluoroet	3.13	101	539917	53.895	ug/l	98
10) Methyl Iodide	3.28	142	615574	52.568	ug/l	98
11) Tert butyl alcohol	4.00	59	119253	253.959	ug/l	95
12) 1,1-Dichloroethene	3.11	96	437129	53.631	ug/l	96
13) Acrolein	3.02	56	118577	231.100	ug/l	92
14) Allyl chloride	3.57	41	812615	52.548	ug/l	96
15) Acrylonitrile	4.12	53	707034	265.175	ug/l	98
16) Acetone	3.20	43	539842	291.384	ug/l	98
17) Carbon Disulfide	3.35	76	1363560	51.503	ug/l	100
18) Methyl Acetate	3.59	43	227111	51.579	ug/l	99
19) Methyl tert-butyl Ether	4.16	73	1224292	54.165	ug/l	99
20) Methylene Chloride	3.76	84	913191	54.043	ug/l	97
21) trans-1,2-Dichloroethene	4.14	96	960163	54.156	ug/l	98
22) Diisopropyl ether	4.89	45	2951650	53.161	ug/l	98
23) Vinyl Acetate	4.84	43	7405524	269.203	ug/l	100
24) 1,1-Dichloroethane	4.79	63	1552337	53.818	ug/l	100
25) 2-Butanone	5.66	43	1046269	287.043	ug/l	99
26) 2,2-Dichloropropane	5.63	77	1285928	57.710	ug/l	98
27) cis-1,2-Dichloroethene	5.63	96	997089	55.311	ug/l	98
28) Bromochloromethane	5.96	49	618026	48.368	ug/l	99
29) Tetrahydrofuran	5.98	42	553364	268.093	ug/l	99
30) Chloroform	6.14	83	1612917	55.504	ug/l	98
31) Cyclohexane	6.40	56	1408147	57.679	ug/l	96
32) 1,1,1-Trichloroethane	6.32	97	1330144	55.679	ug/l	99
36) 1,1-Dichloropropene	6.55	75	1207706	54.067	ug/l	99
37) Ethyl Acetate	5.73	43	527308	54.433	ug/l	99
38) Carbon Tetrachloride	6.53	117	1099597	54.834	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.07	83	1389250	54.557	ug/l	98
40) Benzene	6.83	78	3192649	55.926	ug/l	99
41) Methacrylonitrile	5.98	41	591938	113.353	ug/l #	68
42) 1,2-Dichloroethane	6.92	62	789073	54.363	ug/l	100
43) Isopropyl Acetate	8.37	43	656940	54.936	ug/l	99
44) Trichloroethene	7.77	130	965576	56.597	ug/l	97
45) 1,2-Dichloropropane	8.13	63	778421	55.133	ug/l	100
46) Dibromomethane	8.24	93	443353	54.349	ug/l	99
47) Bromodichloromethane	8.52	83	1097703	56.712	ug/l	99
48) Methyl methacrylate	8.27	41	388853	54.956	ug/l	98
49) 1,4-Dioxane	8.25	88	70502	1099.386	ug/l	96
51) 4-Methyl-2-Pentanone	9.37	43	2088917	280.823	ug/l	99
52) Toluene	9.57	92	1957416	54.859	ug/l	100
53) t-1,3-Dichloropropene	9.95	75	919064	57.787	ug/l	100
54) cis-1,3-Dichloropropene	9.13	75	1183127	56.619	ug/l	100
55) 1,1,2-Trichloroethane	10.20	97	516870	52.018	ug/l	99
56) Ethyl methacrylate	10.05	69	519764	57.799	ug/l	95
57) 1,3-Dichloropropane	10.40	76	844135	54.956	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.95	63	1412906	262.587	ug/l	98
59) 2-Hexanone	10.51	43	1550813	298.269	ug/l	99
60) Dibromochloromethane	10.65	129	718288	57.818	ug/l	99
61) 1,2-Dibromoethane	10.77	107	548379	54.154	ug/l	98
64) Tetrachloroethene	10.27	164	878314	54.671	ug/l	97
65) Chlorobenzene	11.33	112	2107432	54.905	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.43	131	682152	55.139	ug/l	99
67) Ethyl Benzene	11.44	91	3489468	53.298	ug/l	98
68) m/p-Xylenes	11.58	106	2549958	105.279	ug/l	99
69) o-Xylene	11.95	106	1227030	53.158	ug/l	99
70) Styrene	11.97	104	1975250	53.312	ug/l	100
71) Bromoform	12.13	173	466447	56.513	ug/l	97
73) Isopropylbenzene	12.29	105	3362377	51.355	ug/l	99
74) N-amyl acetate	12.15	43	857480	54.190	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.57	83	564134	53.820	ug/l	100
76) 1,2,3-Trichloropropane	12.61	75	561241	53.536	ug/l	99
77) Bromobenzene	12.55	156	937778	54.490	ug/l	94
78) n-propylbenzene	12.65	91	4330908	52.328	ug/l	99
79) 2-Chlorotoluene	12.72	91	2381169	53.020	ug/l	99
80) 1,3,5-Trimethylbenzene	12.81	105	2606771	52.105	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.36	75	163749	56.004	ug/l	97
82) 4-Chlorotoluene	12.82	91	2582989	51.208	ug/l	92
83) tert-Butylbenzene	13.06	119	3098507	55.237	ug/l	94
84) 1,2,4-Trimethylbenzene	13.10	105	2718540	52.479	ug/l	99
85) sec-Butylbenzene	13.23	105	3775193	53.997	ug/l	97
86) p-Isopropyltoluene	13.35	119	2970863	53.604	ug/l	97
87) 1,3-Dichlorobenzene	13.32	146	1599376	51.327	ug/l	96
88) 1,4-Dichlorobenzene	13.40	146	1595129	52.182	ug/l	96
89) n-Butylbenzene	13.66	91	3078052	57.904	ug/l	99
90) Hexachloroethane	13.87	117	777319	55.939	ug/l	85
91) 1,2-Dichlorobenzene	13.68	146	1347383	52.911	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.24	75	70666	55.640	ug/l	78

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

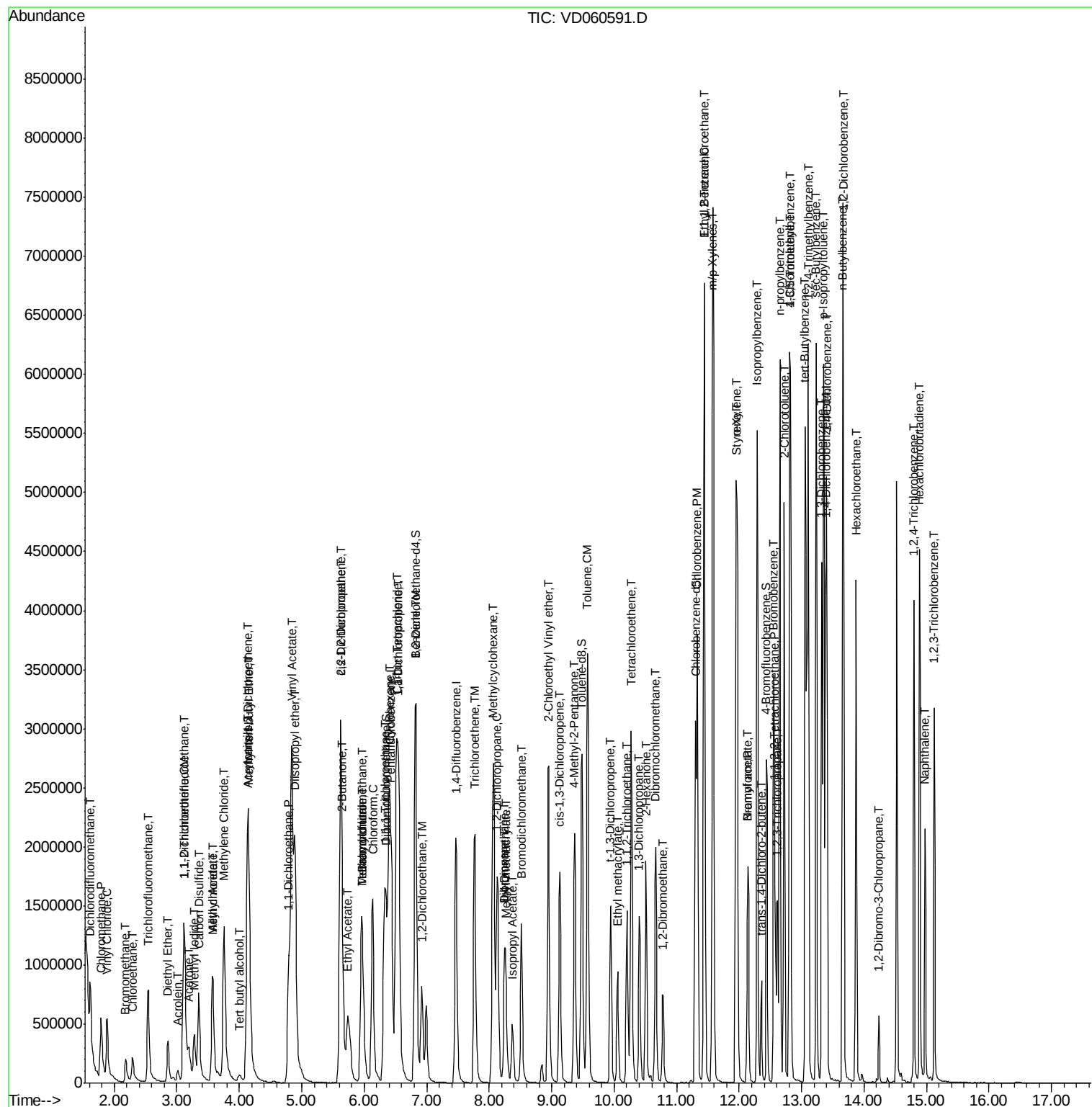
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.80	180	1095738	55.044	ug/l	97
94) Hexachlorobutadiene	14.89	225	833102	56.723	ug/l	98
95) Naphthalene	14.97	128	1317520	55.634	ug/l	99
96) 1,2,3-Trichlorobenzene	15.12	180	856338	53.988	ug/l	97

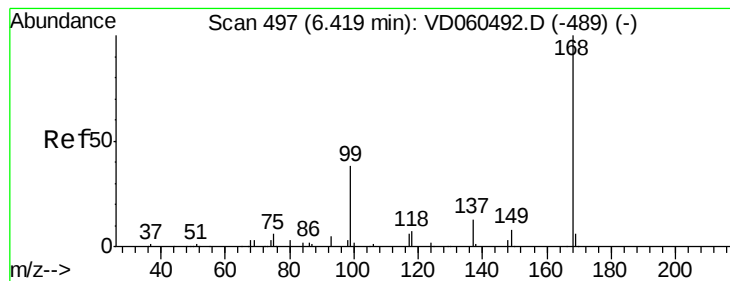
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 6.43 min Scan# 499

Delta R.T. 0.01 min

Lab File: VD060591.D

Acq: 17 Dec 2018 10:58

Instrument :

MSVOA_D

ClientSampleId :

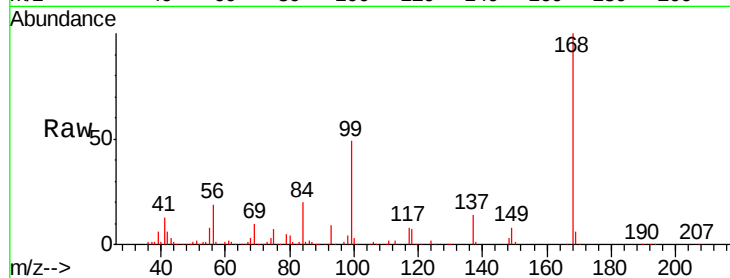
VSTDCCC050

Tgt Ion:168 Resp: 1630681

Ion Ratio Lower Upper

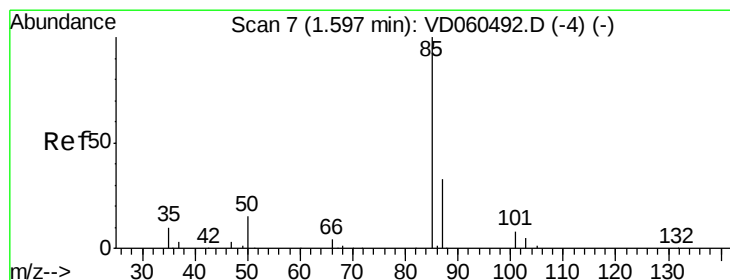
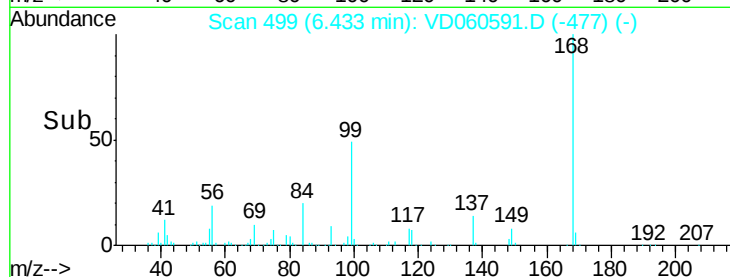
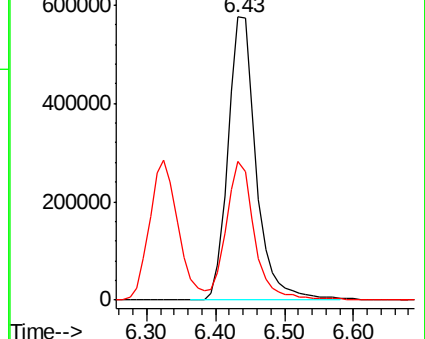
168 100

99 48.9 35.6 53.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#2

Dichlorodifluoromethane

Concen: 52.186 ug/l

RT: 1.62 min Scan# 10

Delta R.T. 0.02 min

Lab File: VD060591.D

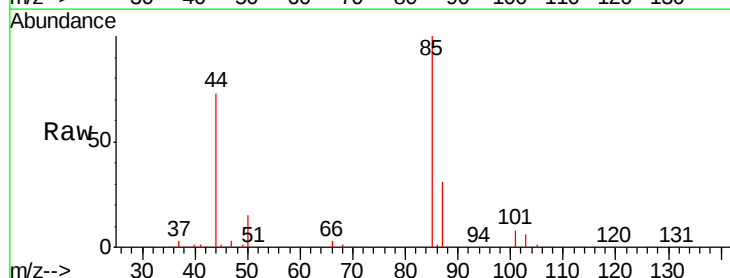
Acq: 17 Dec 2018 10:58

Tgt Ion: 85 Resp: 804747

Ion Ratio Lower Upper

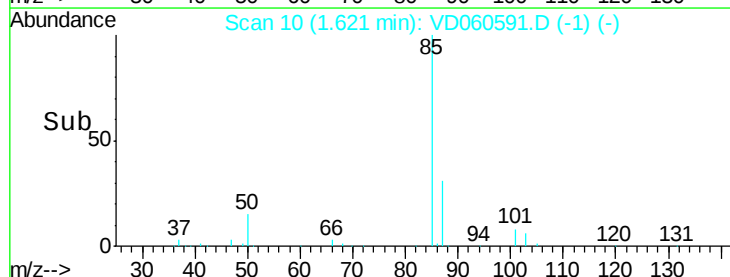
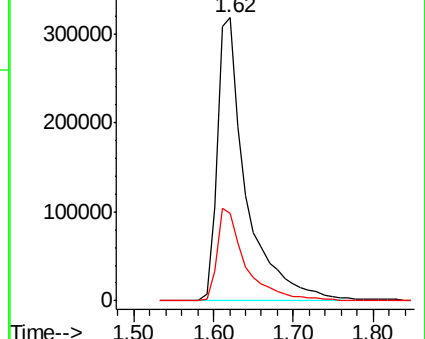
85 100

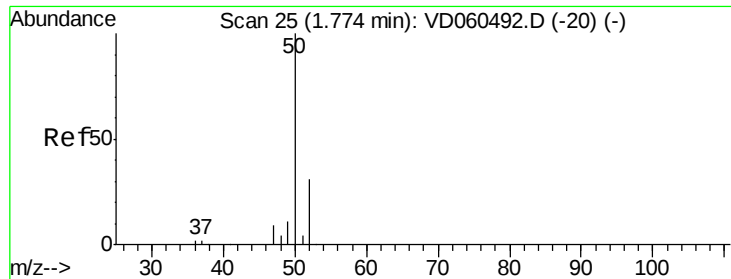
87 31.1 16.7 50.0



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 49.058 ug/l

RT: 1.79 min Scan# 27

Delta R.T. 0.01 min

Lab File: VD060591.D

Acq: 17 Dec 2018 10:58

Instrument :

MSVOA_D

ClientSampleId :

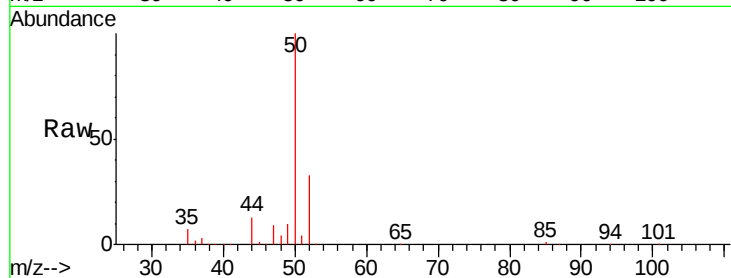
VSTDCCC050

Tgt Ion: 50 Resp: 821931

Ion Ratio Lower Upper

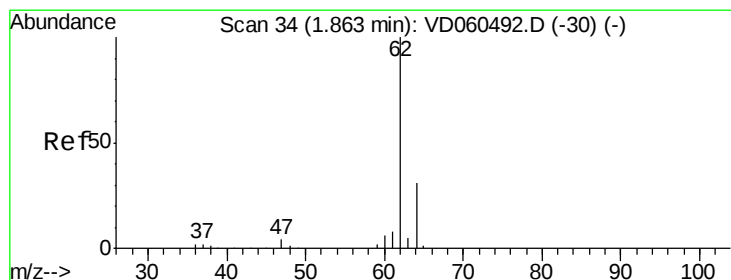
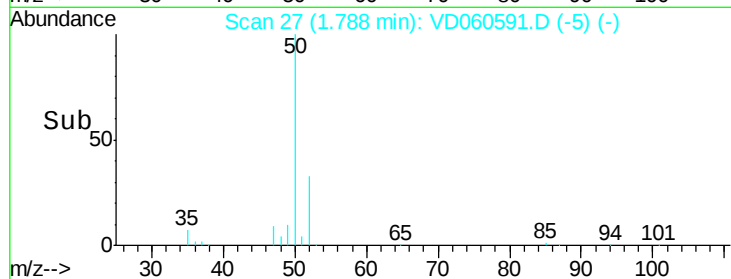
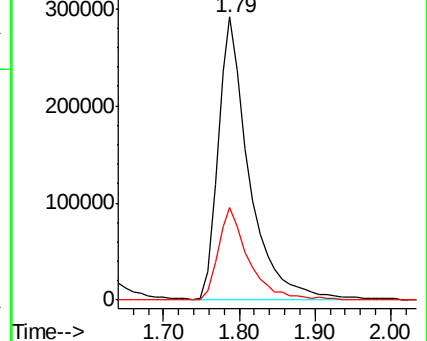
50 100

52 32.8 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: 52.182 ug/l

RT: 1.89 min Scan# 37

Delta R.T. 0.02 min

Lab File: VD060591.D

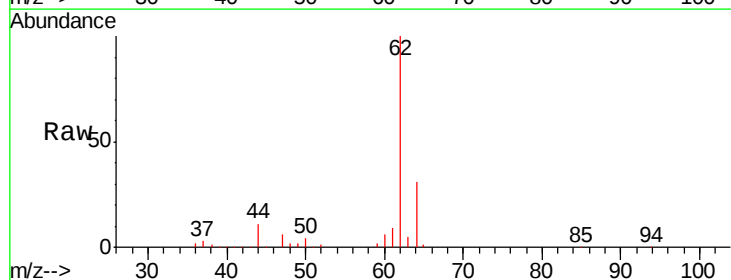
Acq: 17 Dec 2018 10:58

Tgt Ion: 62 Resp: 697755

Ion Ratio Lower Upper

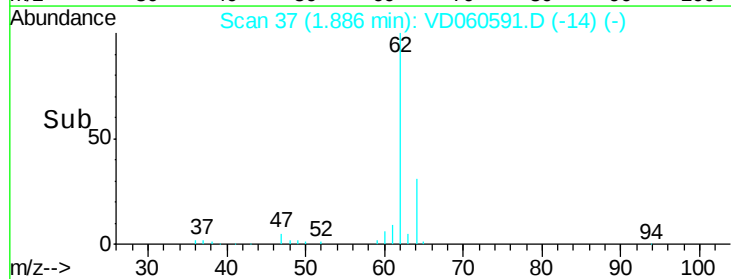
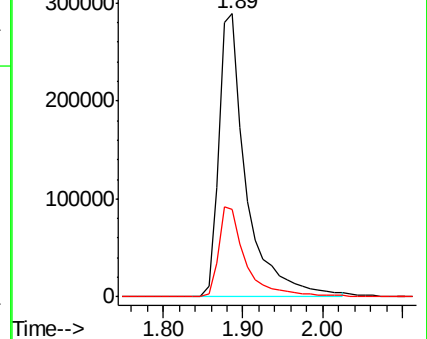
62 100

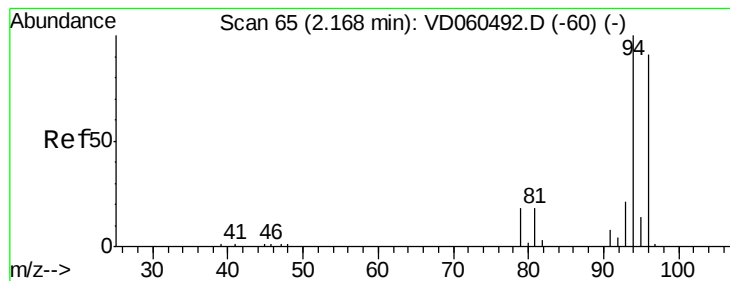
64 31.1 24.6 37.0



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 53.287 ug/l

RT: 2.18 min Scan# 67

Delta R.T. 0.01 min

Lab File: VD060591.D

Acq: 17 Dec 2018 10:58

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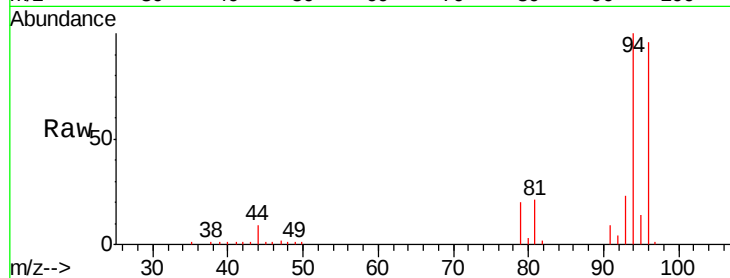
VSTDCCC050

Tgt Ion: 94 Resp: 178255

Ion Ratio Lower Upper

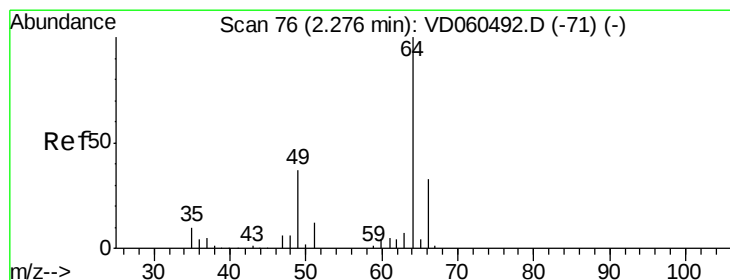
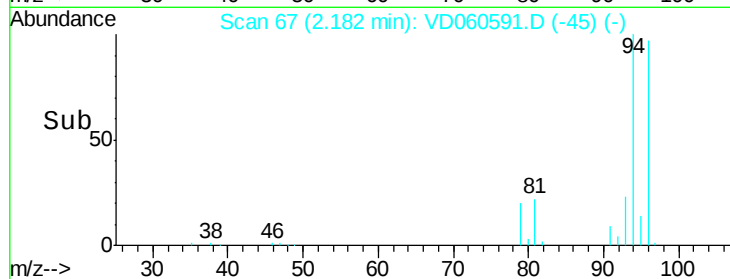
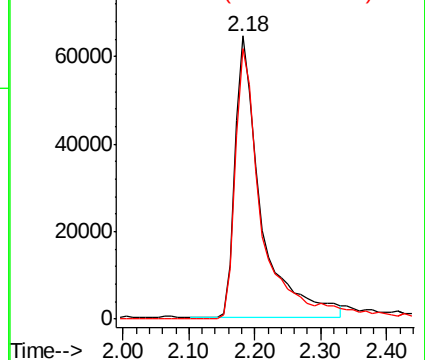
94 100

96 95.5 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: 52.986 ug/l

RT: 2.29 min Scan# 78

Delta R.T. 0.01 min

Lab File: VD060591.D

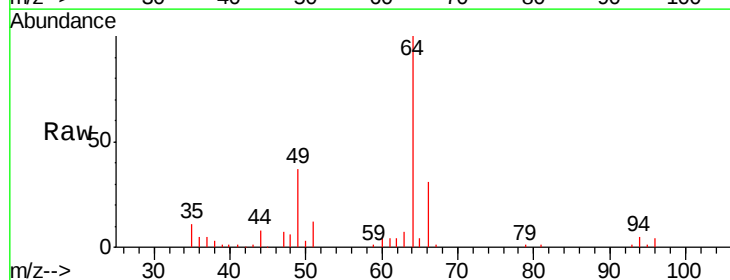
Acq: 17 Dec 2018 10:58

Tgt Ion: 64 Resp: 226278

Ion Ratio Lower Upper

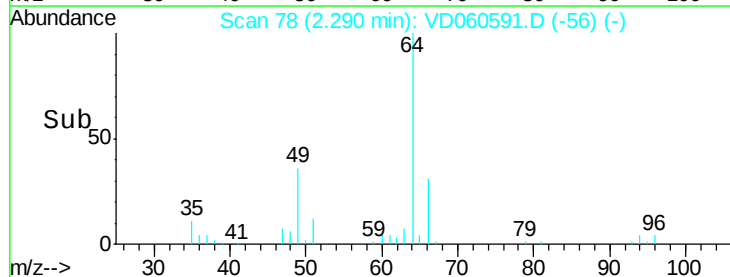
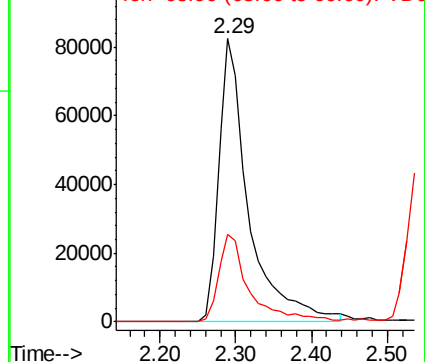
64 100

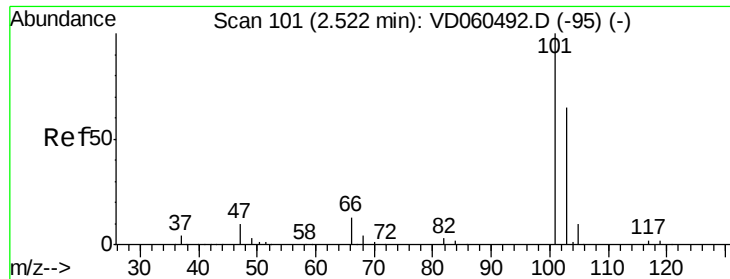
66 31.0 26.4 39.6



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC



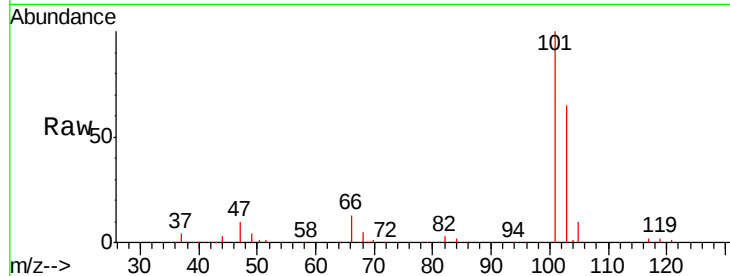


#7

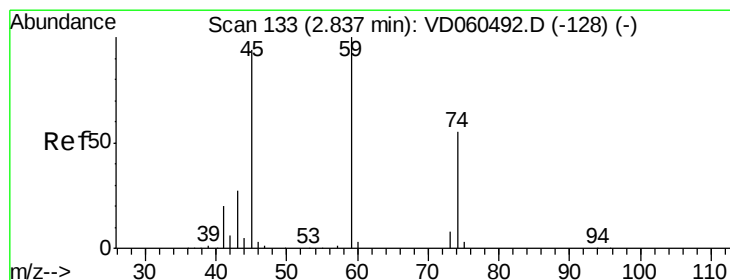
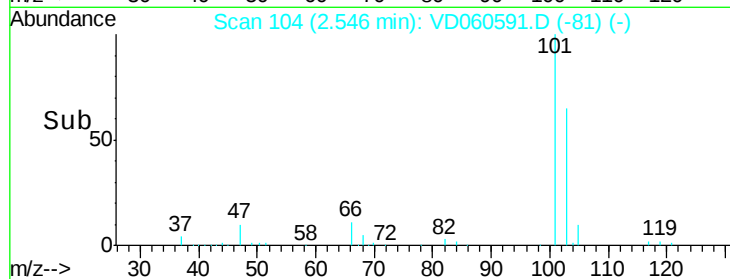
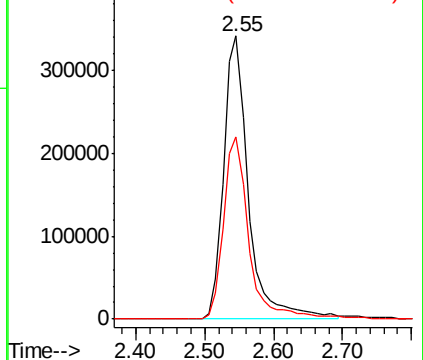
Trichlorofluoromethane
 Concen: 55.243 ug/l
 RT: 2.55 min Scan# 104
 Delta R.T. 0.02 min
 Lab File: VD060591.D
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Tgt Ion: 101 Resp: 852939
 Ion Ratio Lower Upper
 101 100
 103 64.6 51.8 77.8



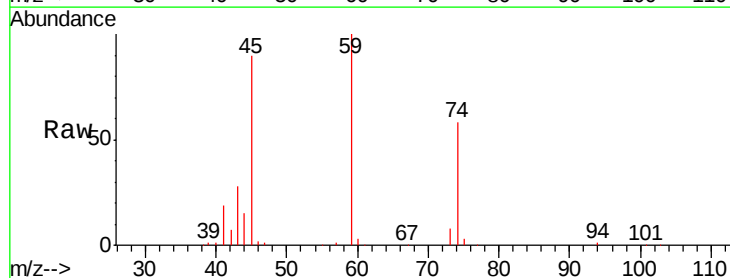
Abundance Ion 100.85 (100.55 to 101.55): V
 Ion 102.85 (102.55 to 103.55): V



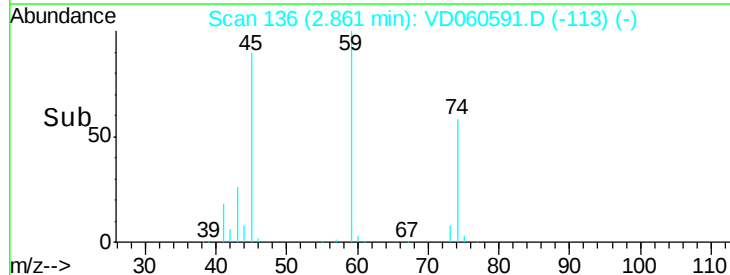
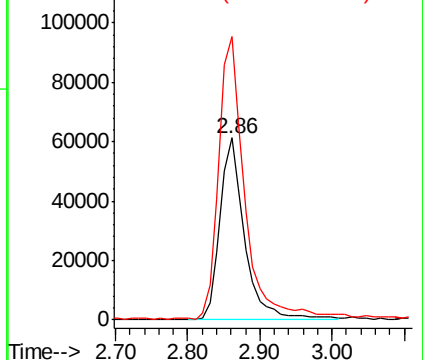
#8

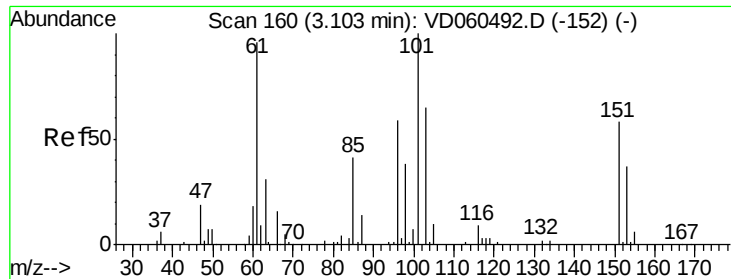
Diethyl Ether
 Concen: 54.433 ug/l
 RT: 2.86 min Scan# 136
 Delta R.T. 0.02 min
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Tgt Ion: 74 Resp: 145164
 Ion Ratio Lower Upper
 74 100
 45 155.4 86.0 258.0



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: 53.895 ug/l

RT: 3.13 min Scan# 163

Delta R.T. 0.02 min

Lab File: VD060591.D

Acq: 17 Dec 2018 10:58

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

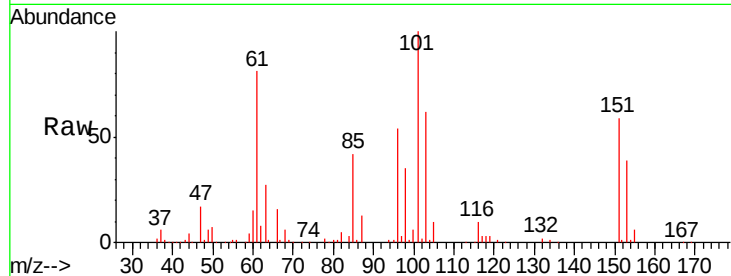
Tgt Ion:101 Resp: 539917

Ion Ratio Lower Upper

101 100

85 42.3 32.7 49.1

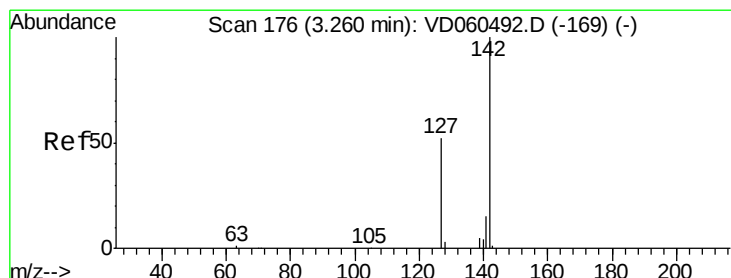
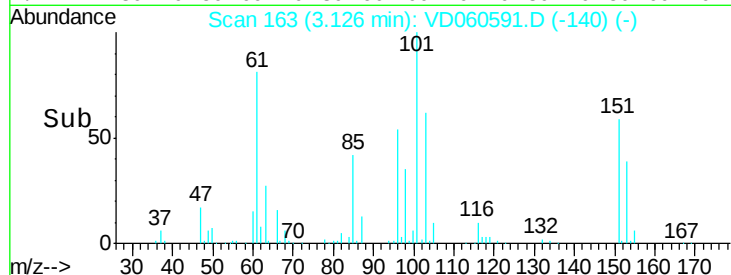
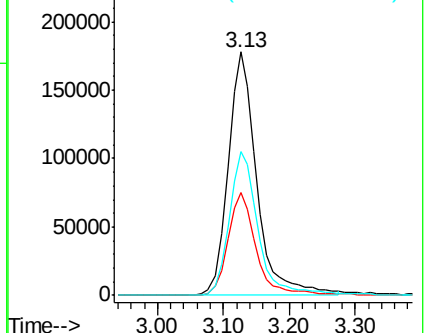
151 58.9 46.6 69.8



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: 52.568 ug/l

RT: 3.28 min Scan# 179

Delta R.T. 0.02 min

Lab File: VD060591.D

Acq: 17 Dec 2018 10:58

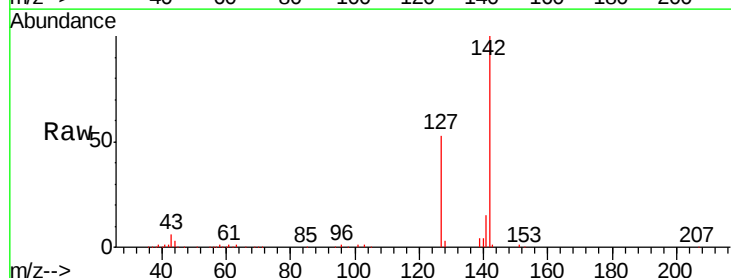
Tgt Ion:142 Resp: 615574

Ion Ratio Lower Upper

142 100

127 52.8 41.2 61.8

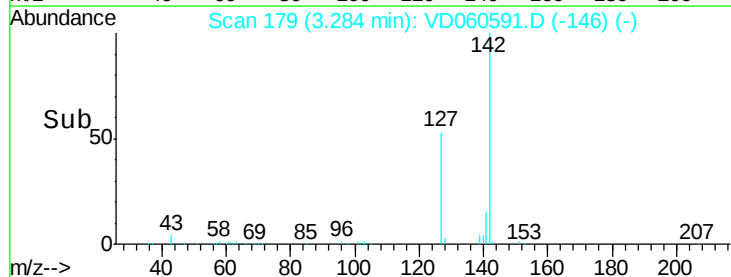
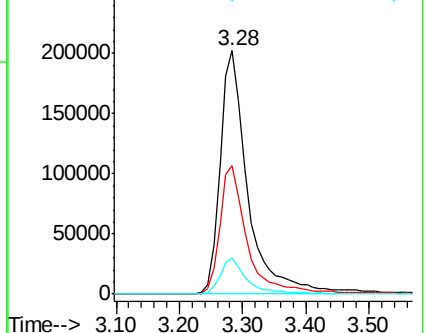
141 14.7 11.9 17.9

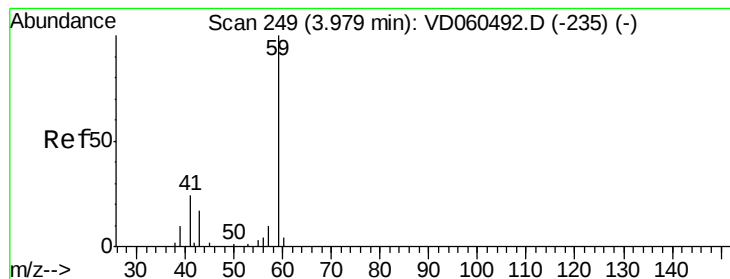


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



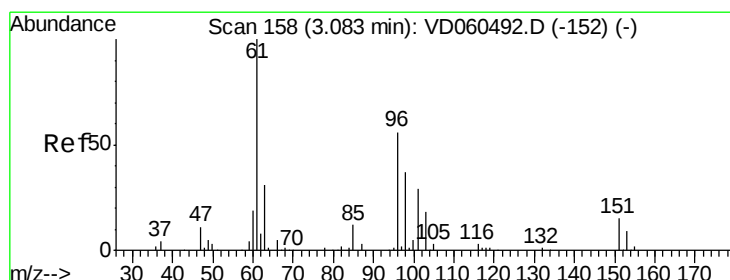
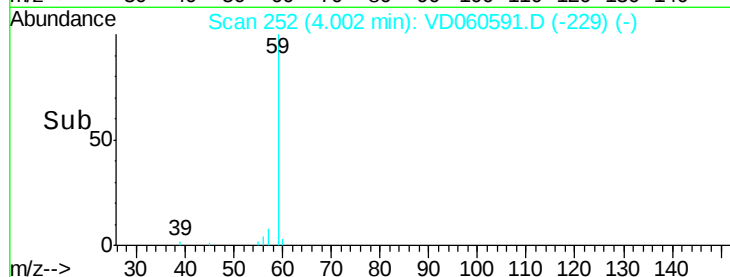
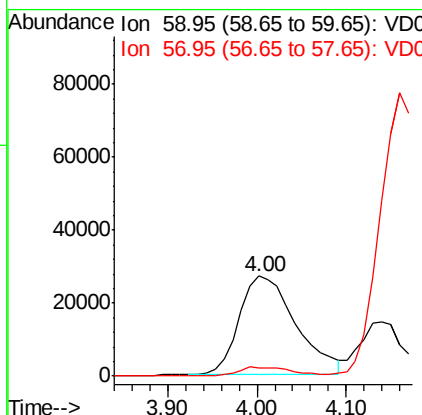
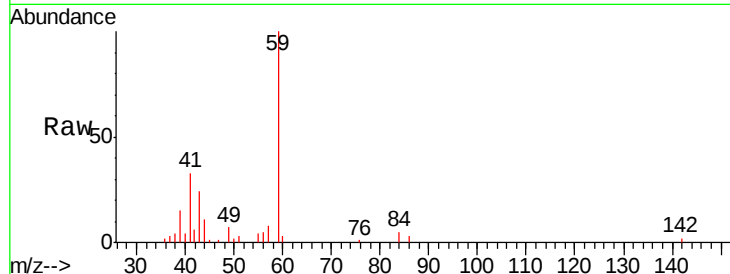


#11

Tert butyl alcohol
Concen: 253.959 ug/l
RT: 4.00 min Scan# 252
Delta R.T. 0.02 min
Lab File: VD060591.D
Acq: 17 Dec 2018 10:58

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

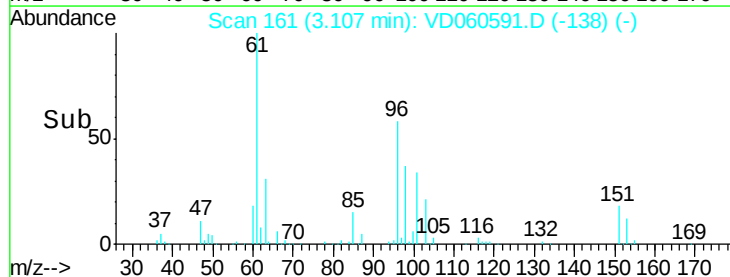
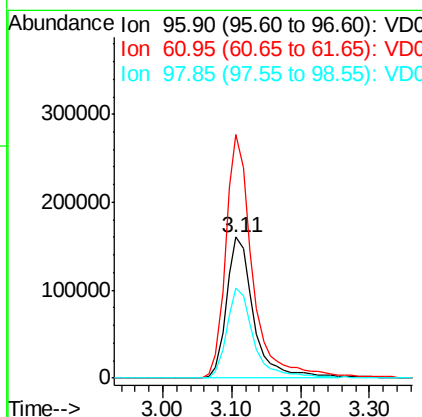
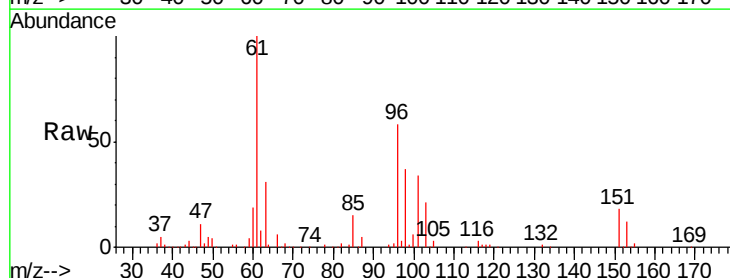
Tgt Ion: 59 Resp: 119253
Ion Ratio Lower Upper
59 100
57 8.4 8.1 12.1

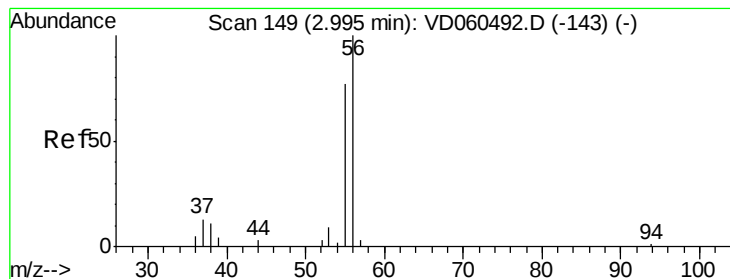


#12

1,1-Dichloroethene
Concen: 53.631 ug/l
RT: 3.11 min Scan# 161
Delta R.T. 0.02 min
Lab File: VD060591.D
Acq: 17 Dec 2018 10:58

Tgt Ion: 96 Resp: 437129
Ion Ratio Lower Upper
96 100
61 173.1 143.0 214.4
98 63.9 53.4 80.0





#13

Acrolein

Concen: 231.100 ug/l

RT: 3.02 min Scan# 152

Delta R.T. 0.02 min

Lab File: VD060591.D

Acq: 17 Dec 2018 10:58

Instrument :

MSVOA_D

ClientSampleId :

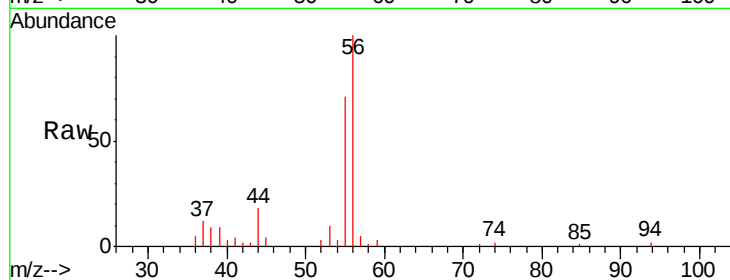
VSTDCCC050

Tgt Ion: 56 Resp: 118577

Ion Ratio Lower Upper

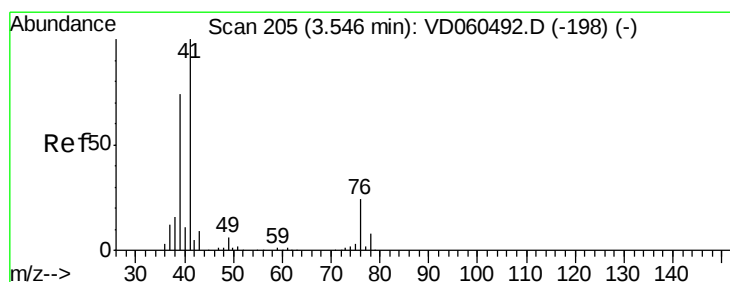
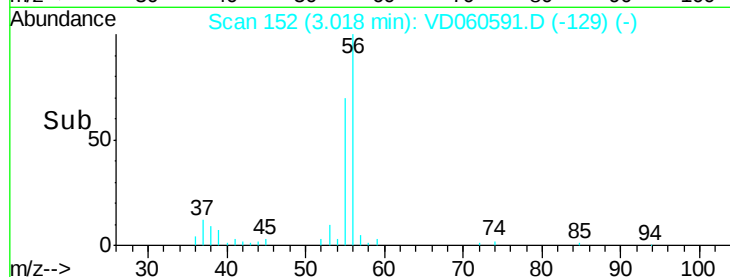
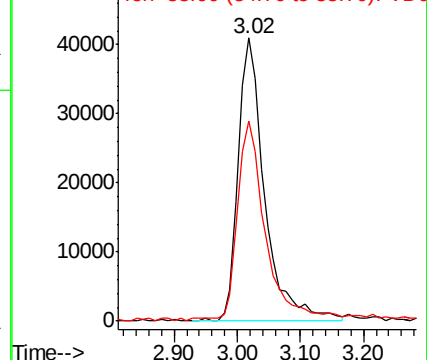
56 100

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: 52.548 ug/l

RT: 3.57 min Scan# 208

Delta R.T. 0.02 min

Lab File: VD060591.D

Acq: 17 Dec 2018 10:58

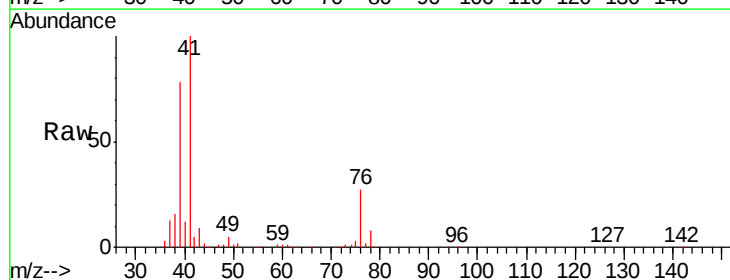
Tgt Ion: 41 Resp: 812615

Ion Ratio Lower Upper

41 100

39 78.2 59.3 88.9

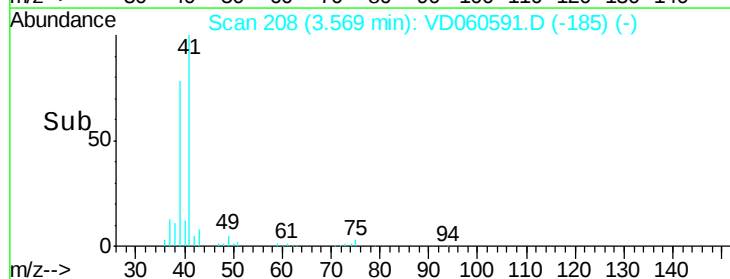
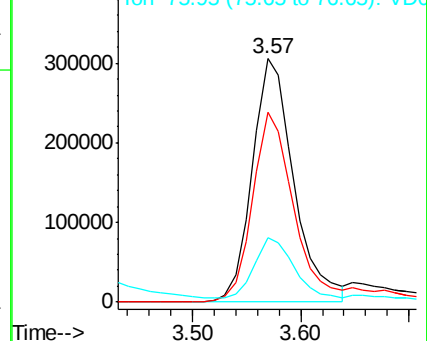
76 26.7 21.0 31.6

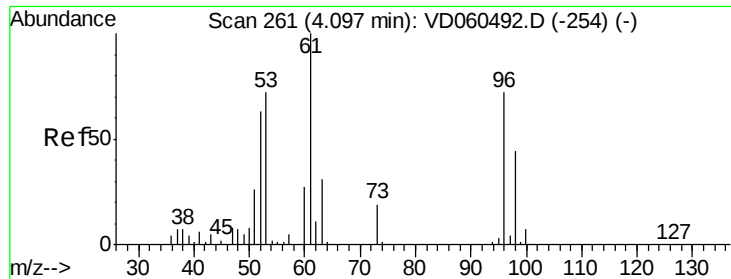


Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC





#15

Acrylonitrile

Concen: 265.175 ug/l

RT: 4.12 min Scan# 264

Delta R.T. 0.02 min

Lab File: VD060591.D

Acq: 17 Dec 2018 10:58

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

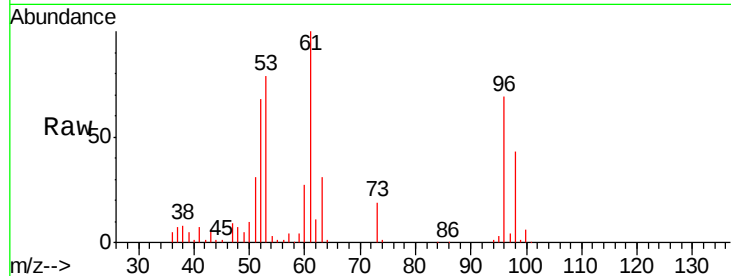
Tgt Ion: 53 Resp: 707034

Ion Ratio Lower Upper

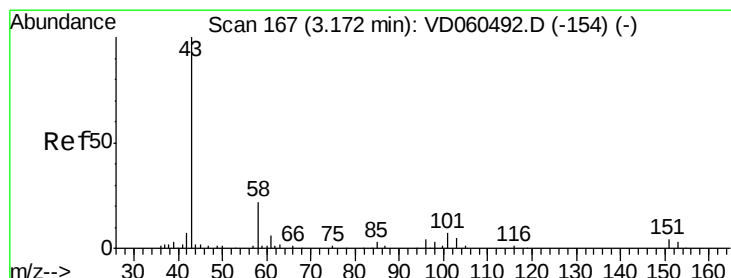
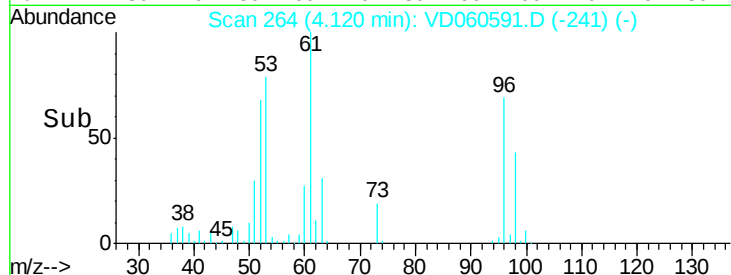
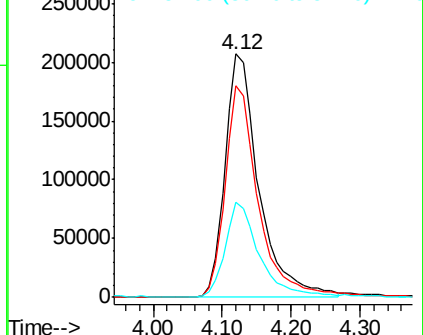
53 100

52 86.7 70.0 105.0

51 39.0 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: 291.384 ug/l

RT: 3.20 min Scan# 170

Delta R.T. 0.02 min

Lab File: VD060591.D

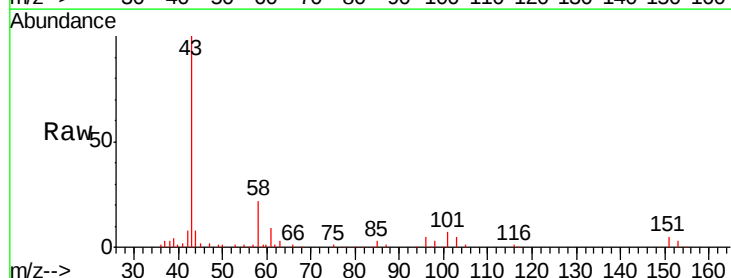
Acq: 17 Dec 2018 10:58

Tgt Ion: 43 Resp: 539842

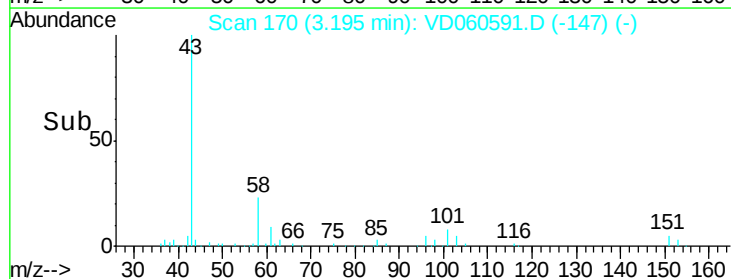
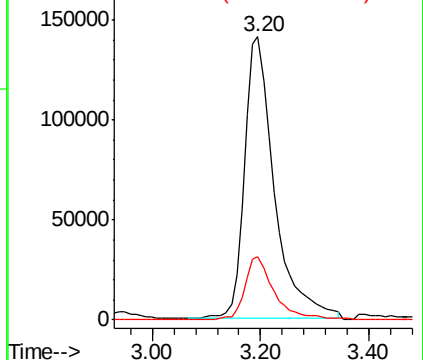
Ion Ratio Lower Upper

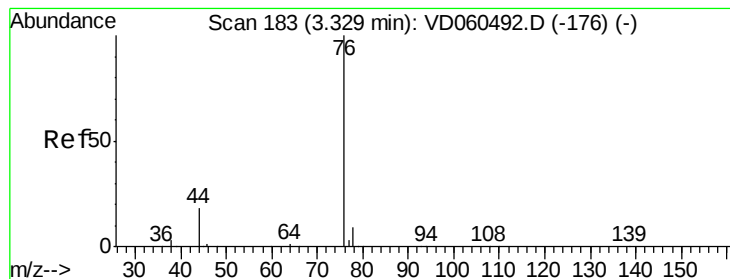
43 100

58 22.3 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: 51.503 ug/l

RT: 3.35 min Scan# 186

Delta R.T. 0.02 min

Lab File: VD060591.D

Acq: 17 Dec 2018 10:58

Instrument :

MSVOA_D

ClientSampleId :

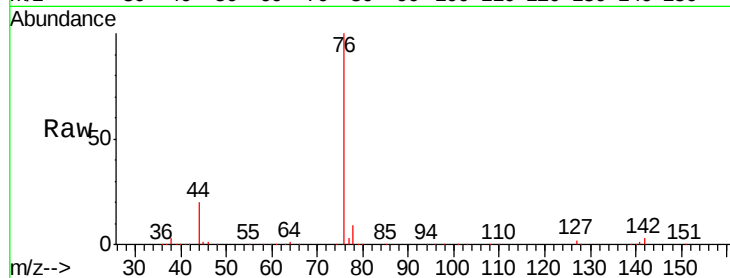
VSTDCCC050

Tgt Ion: 76 Resp: 1363560

Ion Ratio Lower Upper

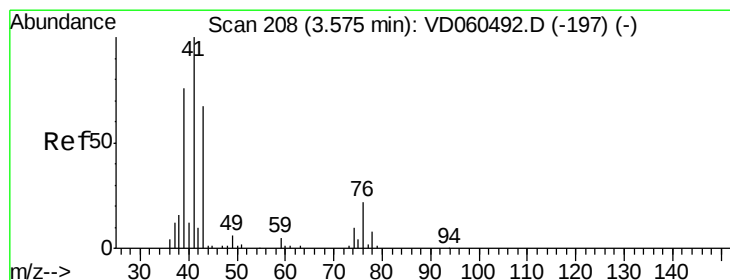
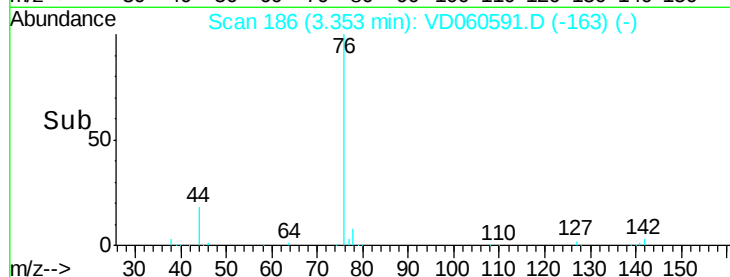
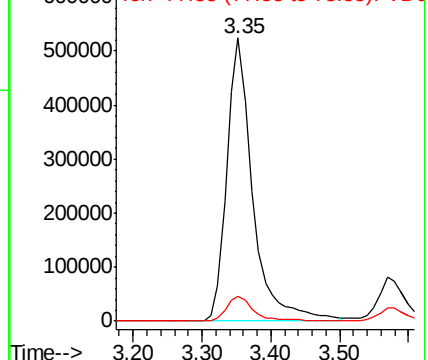
76 100

78 8.9 7.0 10.6



Abundance Ion 75.85 (75.55 to 76.55): VDC

Ion 77.85 (77.55 to 78.55): VDC



#18

Methyl Acetate

Concen: 51.579 ug/l

RT: 3.59 min Scan# 210

Delta R.T. 0.01 min

Lab File: VD060591.D

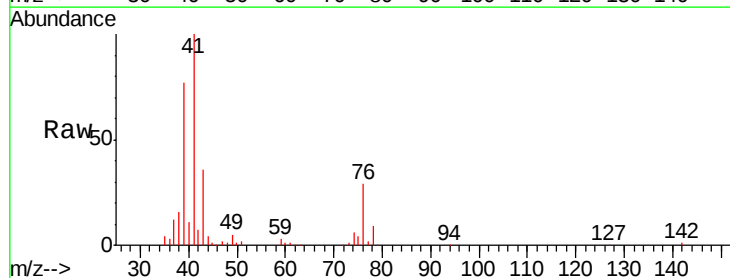
Acq: 17 Dec 2018 10:58

Tgt Ion: 43 Resp: 227111

Ion Ratio Lower Upper

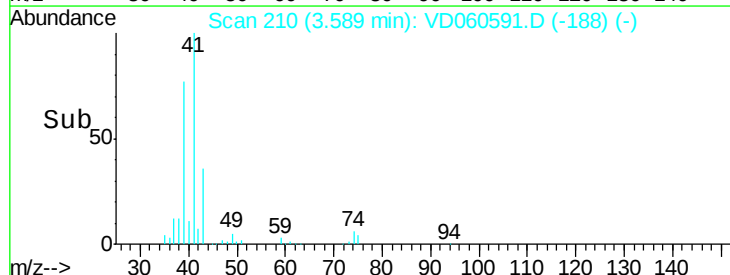
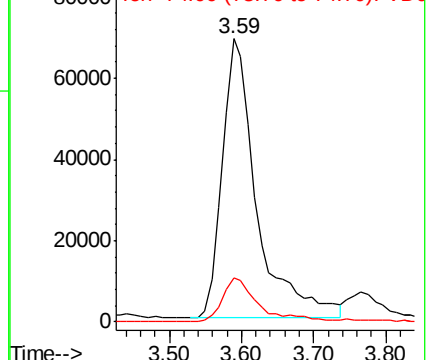
43 100

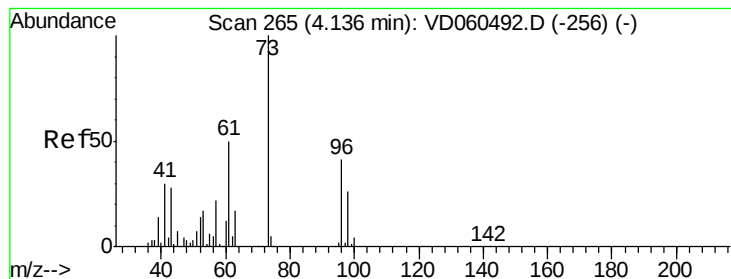
74 15.5 12.0 18.0



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC



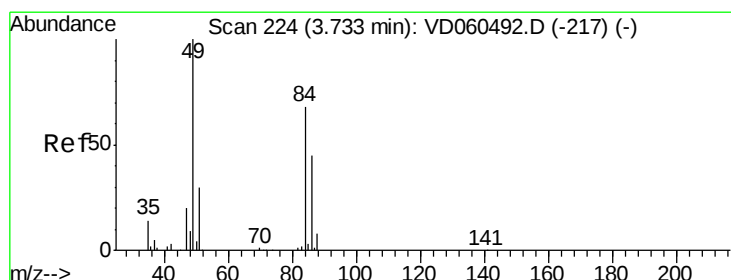
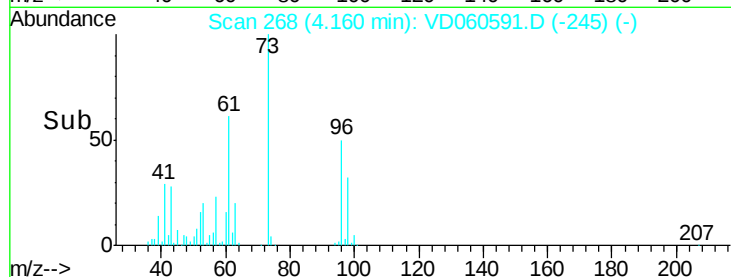
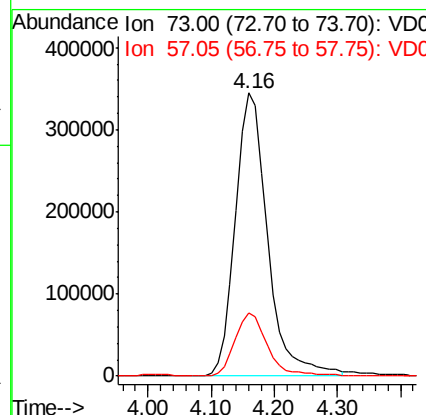
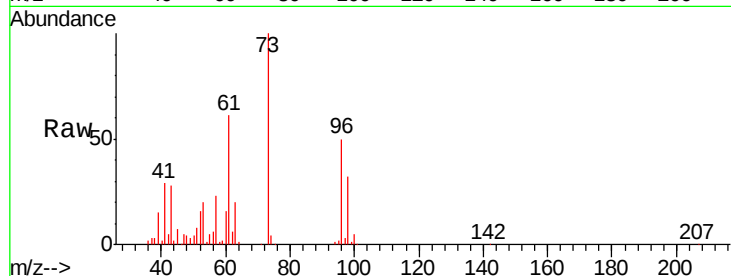


#19

Methyl tert-butyl Ether
 Concen: 54.165 ug/l
 RT: 4.16 min Scan# 268
 Delta R.T. 0.02 min
 Lab File: VD060591.D
 Acq: 17 Dec 2018 10:58

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

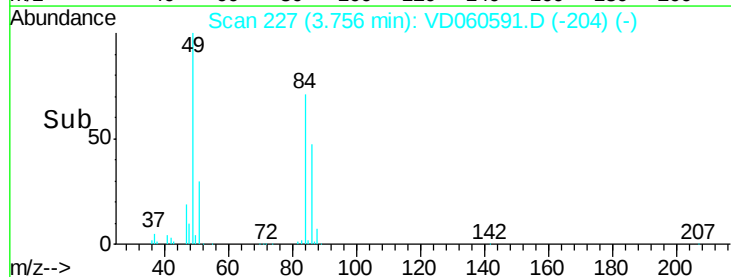
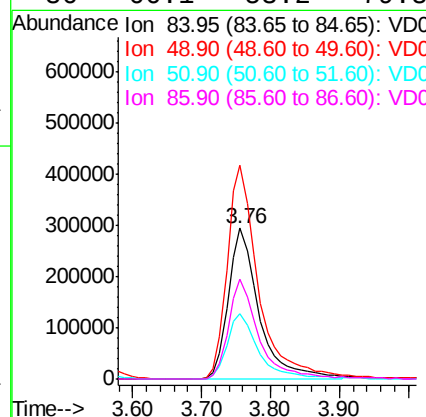
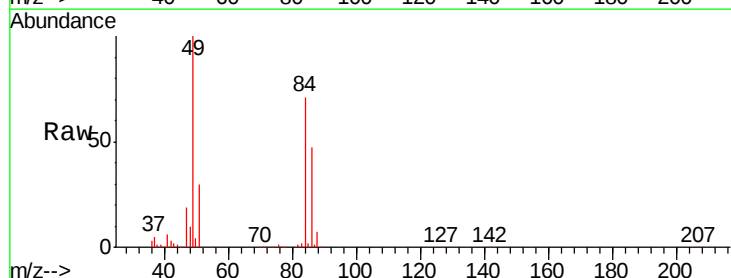
Tgt Ion: 73 Resp: 1224292
 Ion Ratio Lower Upper
 73 100
 57 22.5 17.8 26.6

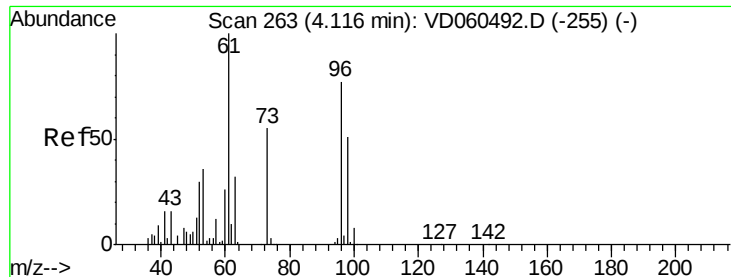


#20

Methylene Chloride
 Concen: 54.043 ug/l
 RT: 3.76 min Scan# 227
 Delta R.T. 0.02 min
 Lab File: VD060591.D
 Acq: 17 Dec 2018 10:58

Tgt Ion: 84 Resp: 913191
 Ion Ratio Lower Upper
 84 100
 49 141.7 117.2 175.8
 51 43.0 35.3 52.9
 86 66.1 53.2 79.8





#21

trans-1,2-Dichloroethene

Concen: 54.156 ug/l

RT: 4.14 min Scan# 266

Delta R.T. 0.02 min

Lab File: VD060591.D

Acq: 17 Dec 2018 10:58

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

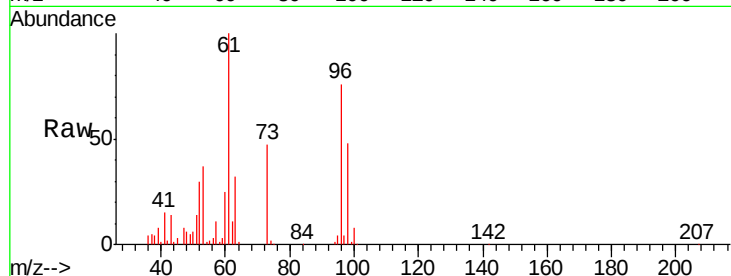
Tgt Ion: 96 Resp: 960163

Ion Ratio Lower Upper

96 100

61 131.5 104.2 156.4

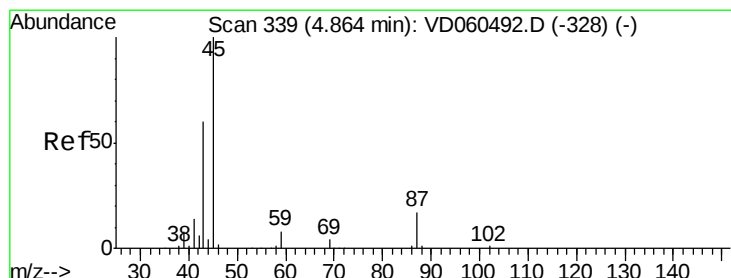
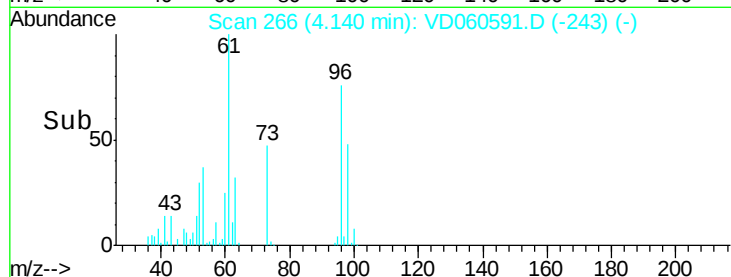
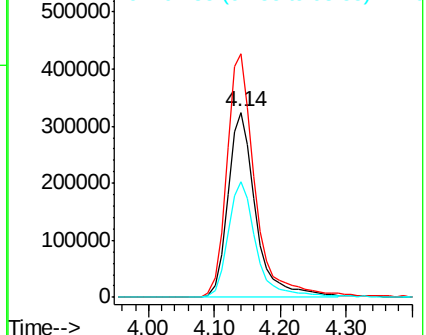
98 62.7 52.8 79.2



Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 97.85 (97.55 to 98.55): VDC



#22

Diisopropyl ether

Concen: 53.161 ug/l

RT: 4.89 min Scan# 342

Delta R.T. 0.02 min

Lab File: VD060591.D

Acq: 17 Dec 2018 10:58

Tgt Ion: 45 Resp: 2951650

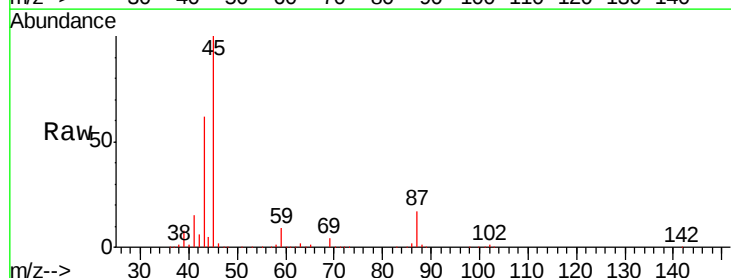
Ion Ratio Lower Upper

45 100

43 62.3 48.6 73.0

87 17.1 14.0 21.0

59 8.9 6.9 10.3

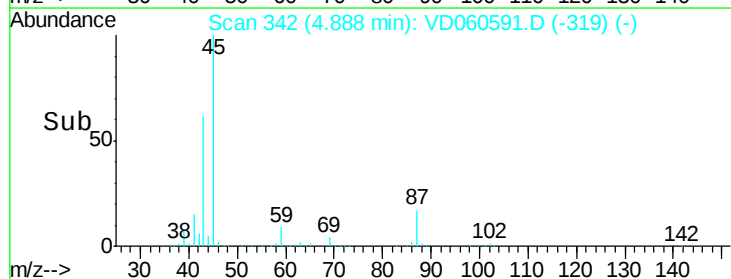
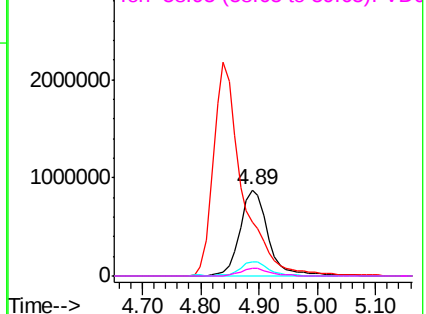


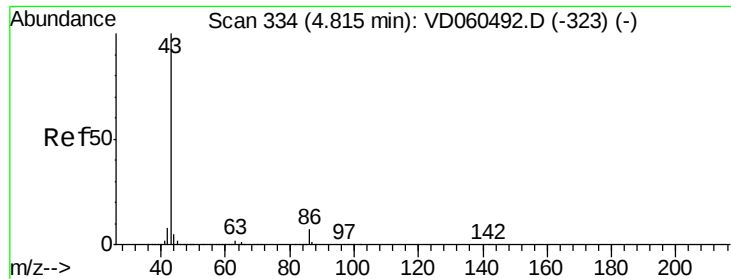
Abundance Ion 45.05 (44.75 to 45.75): VDC

Ion 43.05 (42.75 to 43.75): VDC

Ion 87.00 (86.70 to 87.70): VDC

Ion 58.95 (58.65 to 59.65): VDC





#23

Vinyl Acetate

Concen: 269.203 ug/l

RT: 4.84 min Scan# 337

Delta R.T. 0.02 min

Lab File: VD060591.D

Acq: 17 Dec 2018 10:58

Instrument :

MSVOA_D

ClientSampleId :

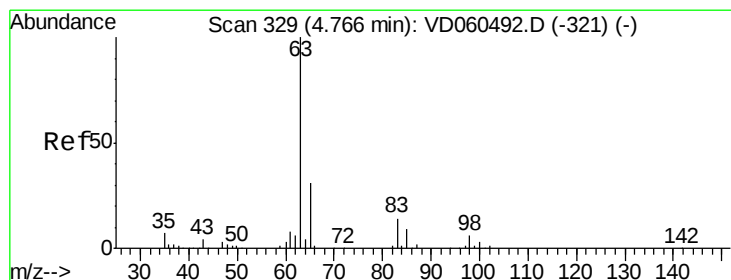
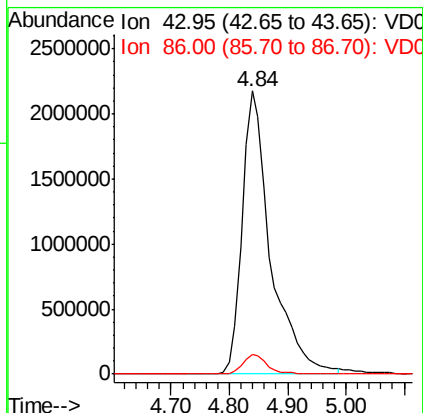
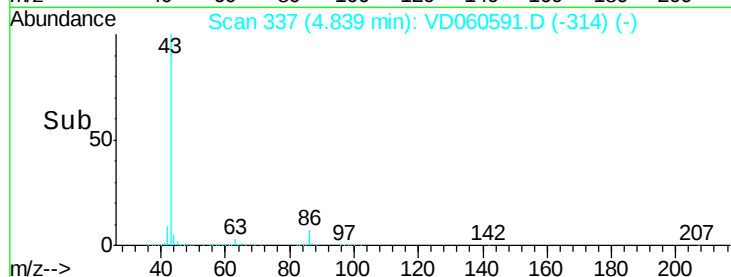
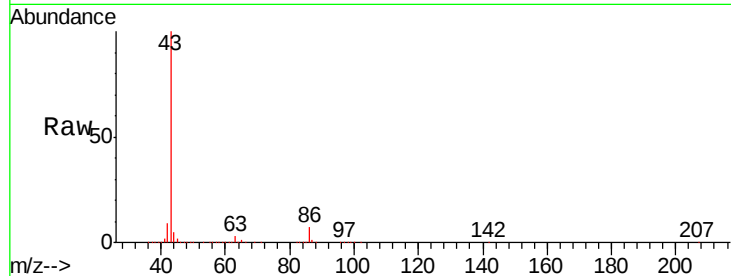
VSTDCCC050

Tgt Ion: 43 Resp: 7405524

Ion Ratio Lower Upper

43 100

86 6.8 5.5 8.3



#24

1,1-Dichloroethane

Concen: 53.818 ug/l

RT: 4.79 min Scan# 332

Delta R.T. 0.02 min

Lab File: VD060591.D

Acq: 17 Dec 2018 10:58

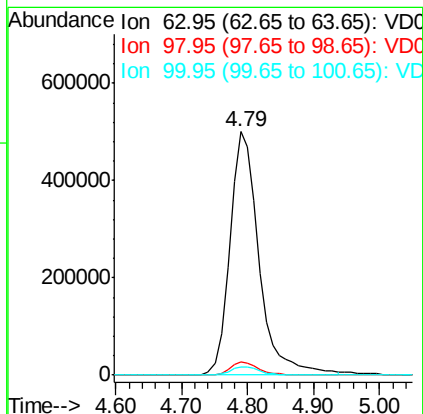
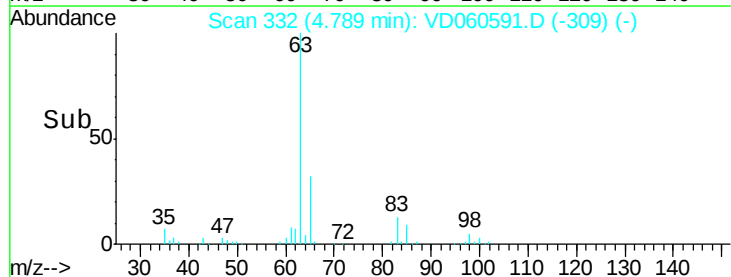
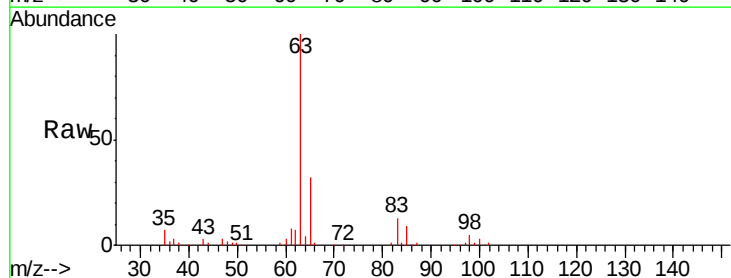
Tgt Ion: 63 Resp: 1552337

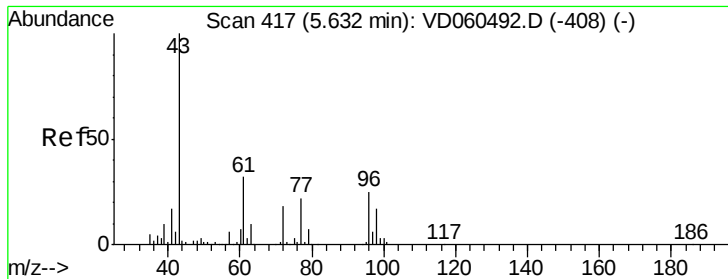
Ion Ratio Lower Upper

63 100

98 5.3 2.8 8.3

100 3.4 1.7 5.1





#25

2-Butanone

Concen: 287.043 ug/l

RT: 5.66 min Scan# 420

Delta R.T. 0.02 min

Lab File: VD060591.D

Acq: 17 Dec 2018 10:58

Instrument :

MSVOA_D

ClientSampleId :

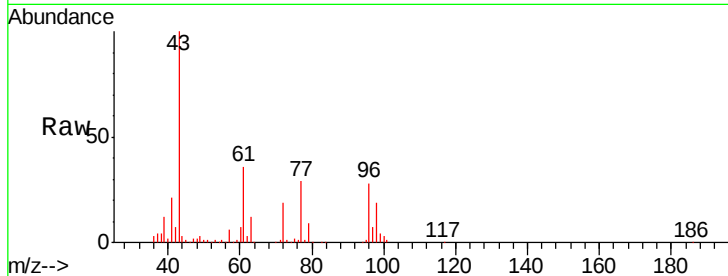
VSTDCCC050

Tgt Ion: 43 Resp: 1046269

Ion Ratio Lower Upper

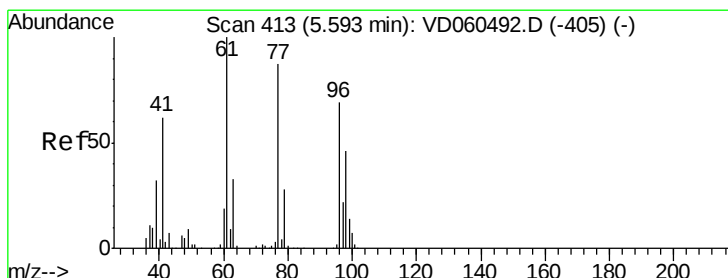
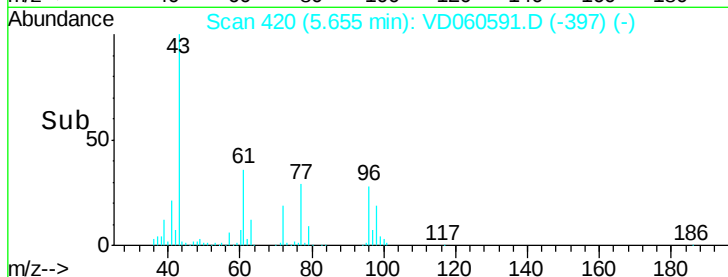
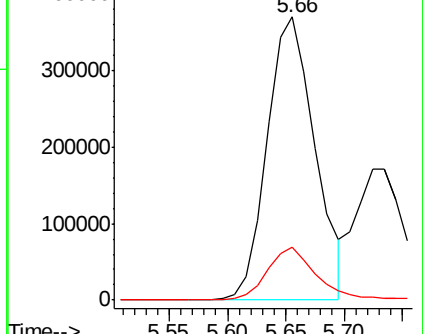
43 100

72 18.5 14.6 21.8



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 57.710 ug/l

RT: 5.63 min Scan# 417

Delta R.T. 0.03 min

Lab File: VD060591.D

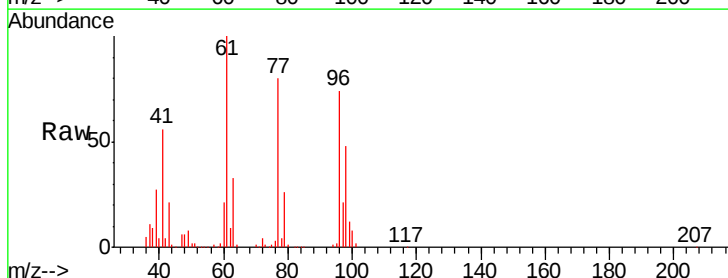
Acq: 17 Dec 2018 10:58

Tgt Ion: 77 Resp: 1285928

Ion Ratio Lower Upper

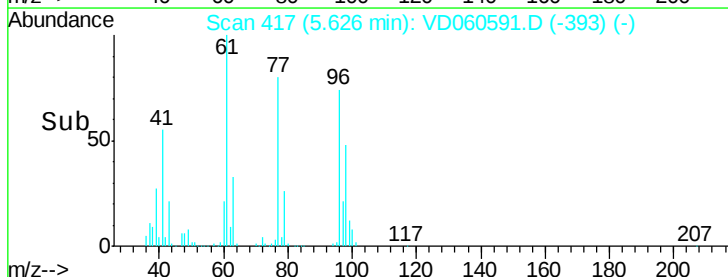
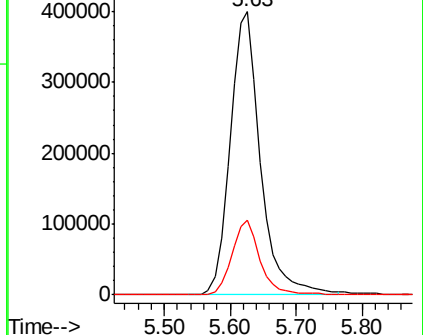
77 100

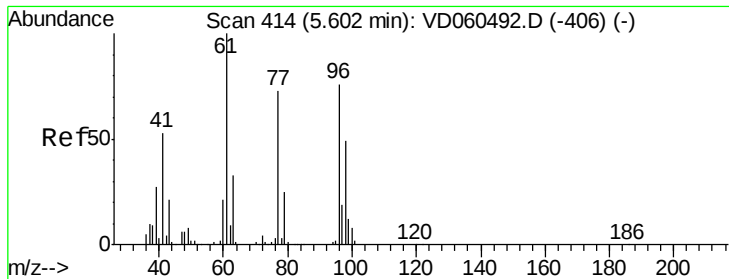
97 26.2 12.7 38.0



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



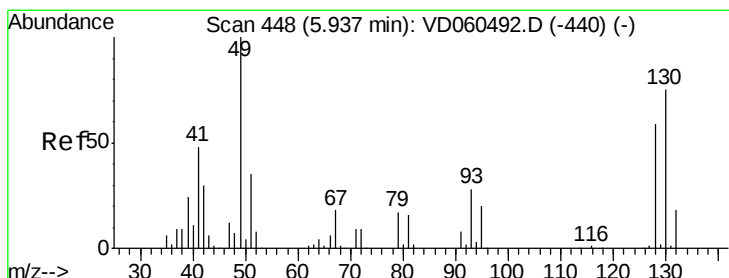
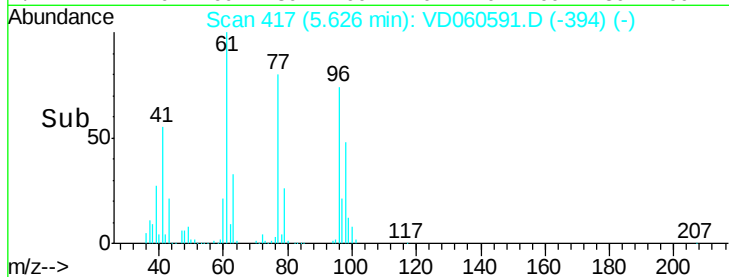
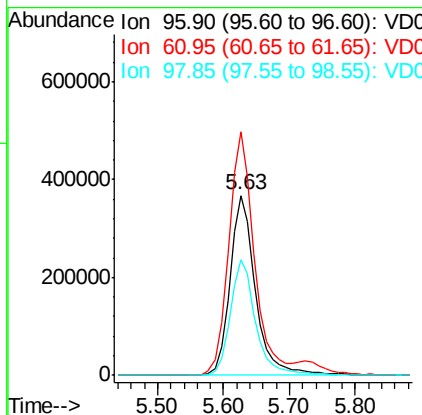
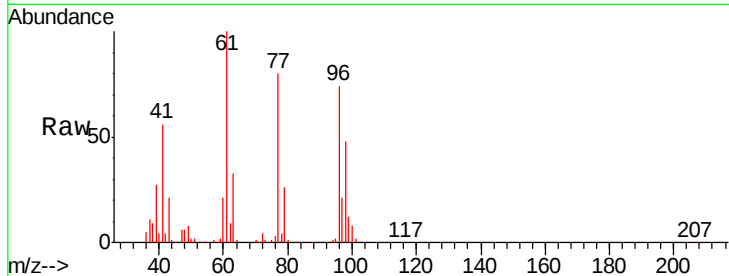


#27

cis-1,2-Dichloroethene
 Concen: 55.311 ug/l
 RT: 5.63 min Scan# 417
 Delta R.T. 0.02 min
 Lab File: VD060591.D
 Acq: 17 Dec 2018 10:58

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

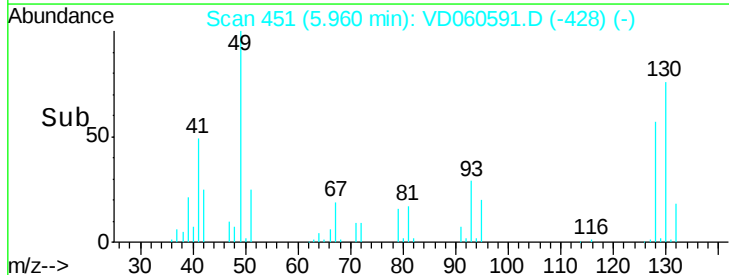
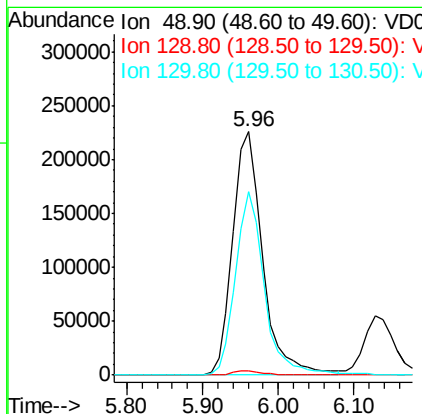
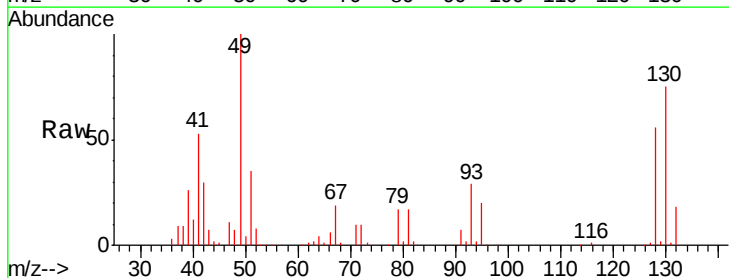
Tgt Ion: 96 Resp: 997089
 Ion Ratio Lower Upper
 96 100
 61 135.2 0.0 263.6
 98 64.6 0.0 128.2



#28

Bromochloromethane
 Concen: 48.368 ug/l
 RT: 5.96 min Scan# 451
 Delta R.T. 0.02 min
 Lab File: VD060591.D
 Acq: 17 Dec 2018 10:58

Tgt Ion: 49 Resp: 618026
 Ion Ratio Lower Upper
 49 100
 129 2.0 0.0 3.4
 130 75.5 59.8 89.6

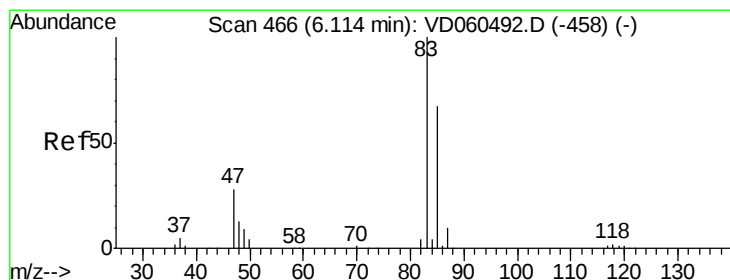
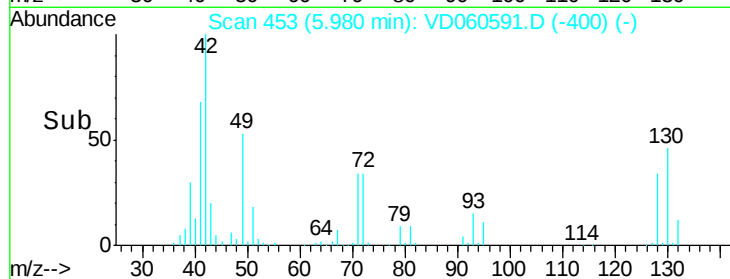
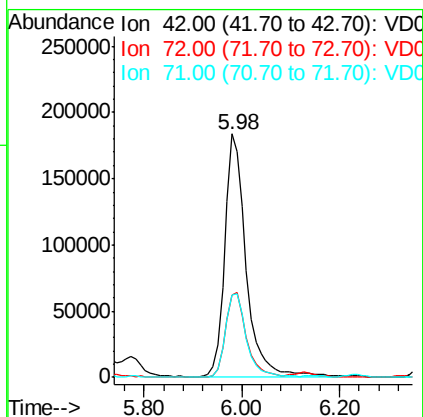
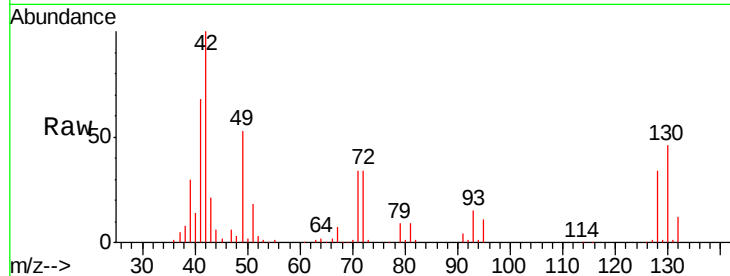




#29
Tetrahydrofuran
Concen: 268.093 ug/l
RT: 5.98 min Scan# 453
Delta R.T. 0.02 min
Lab File: VD060591.D
Acq: 17 Dec 2018 10:58

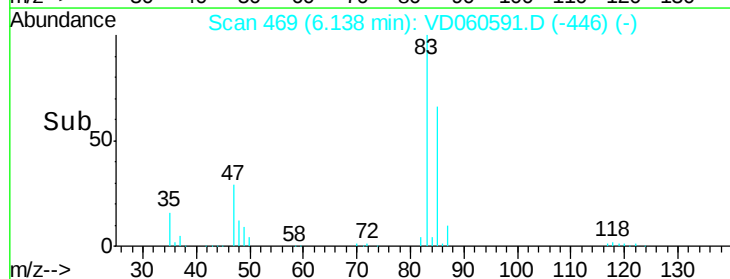
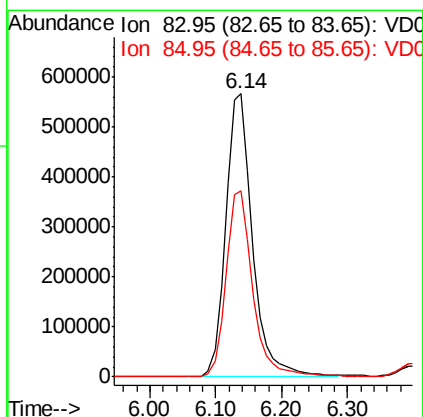
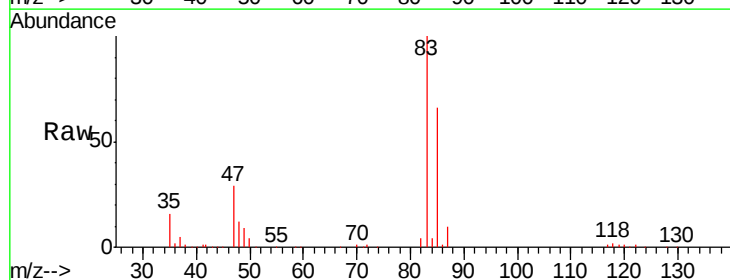
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

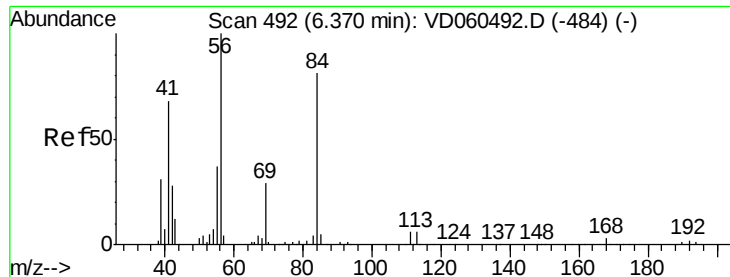
Tgt Ion: 42 Resp: 553364
Ion Ratio Lower Upper
42 100
72 34.5 28.0 42.0
71 34.4 27.2 40.8



#30
Chloroform
Concen: 55.504 ug/l
RT: 6.14 min Scan# 469
Delta R.T. 0.02 min
Lab File: VD060591.D
Acq: 17 Dec 2018 10:58

Tgt Ion: 83 Resp: 1612917
Ion Ratio Lower Upper
83 100
85 65.6 53.4 80.2

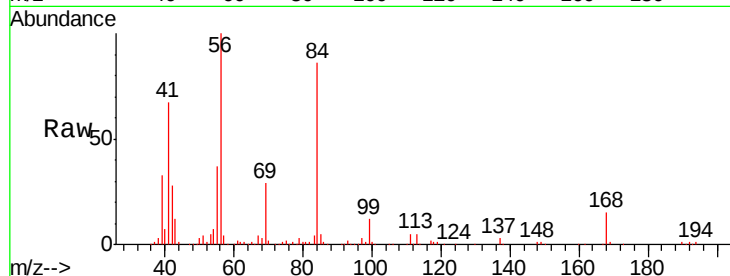




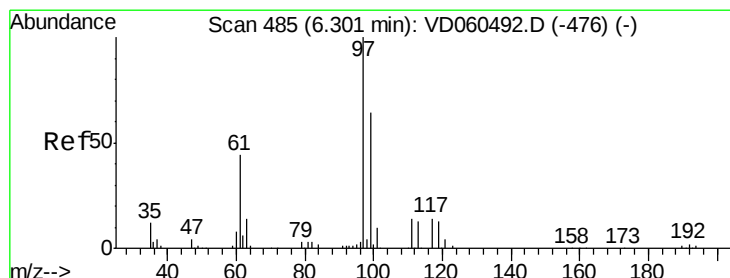
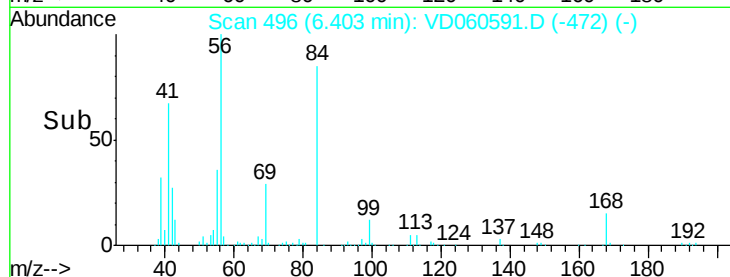
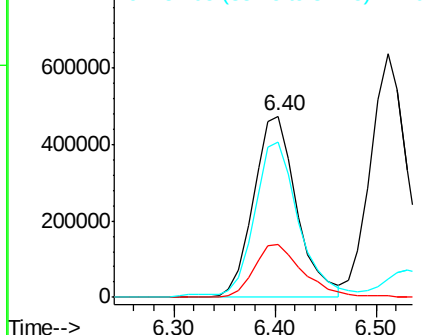
#31
Cyclohexane
Concen: 57.679 ug/l
RT: 6.40 min Scan# 496
Delta R.T. 0.03 min
Lab File: VD060591.D
Acq: 17 Dec 2018 10:58

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tgt Ion: 56 Resp: 1408147
Ion Ratio Lower Upper
56 100
69 29.2 22.8 34.2
84 85.6 65.1 97.7

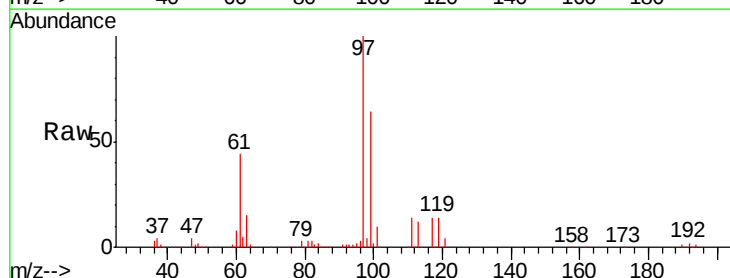


Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.05 (83.75 to 84.75): VDC

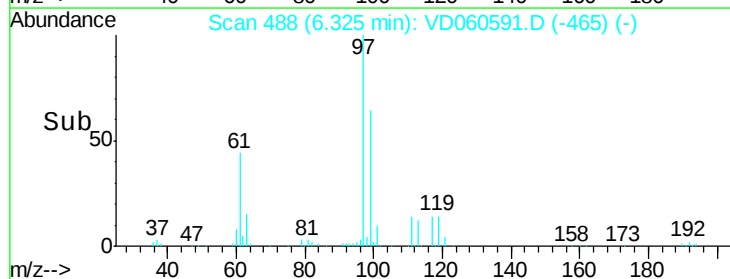
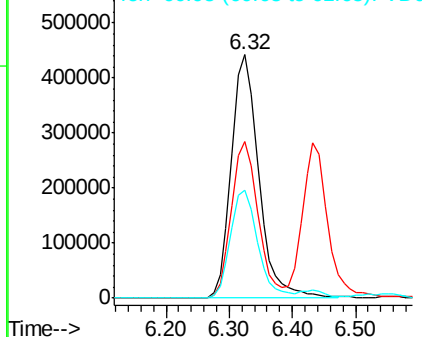


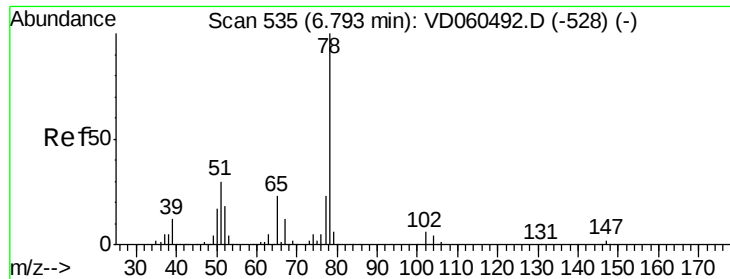
#32
1,1,1-Trichloroethane
Concen: 55.679 ug/l
RT: 6.32 min Scan# 488
Delta R.T. 0.02 min
Lab File: VD060591.D
Acq: 17 Dec 2018 10:58

Tgt Ion: 97 Resp: 1330144
Ion Ratio Lower Upper
97 100
99 64.5 51.0 76.4
61 44.4 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

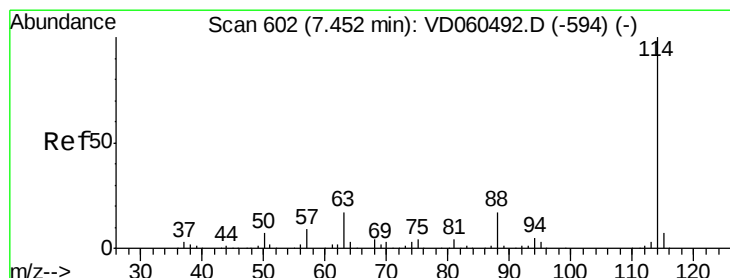
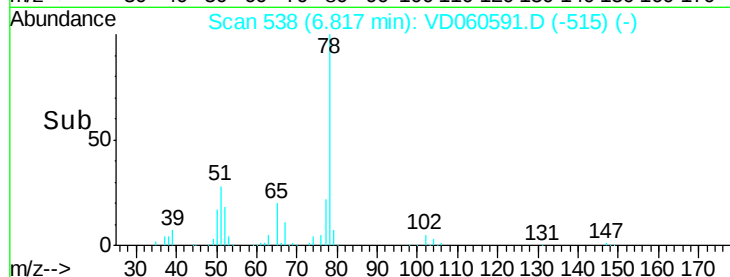
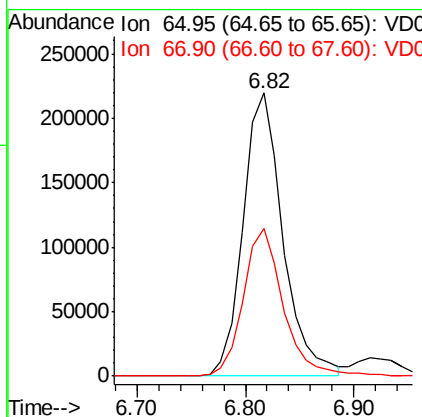
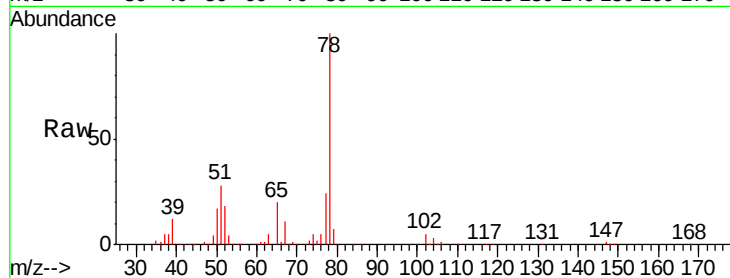




#33
 1,2-Dichloroethane-d4
 Concen: 55.679 ug/l
 RT: 6.82 min Scan# 538
 Delta R.T. 0.02 min
 Lab File: VD060591.D
 Acq: 17 Dec 2018 10:58

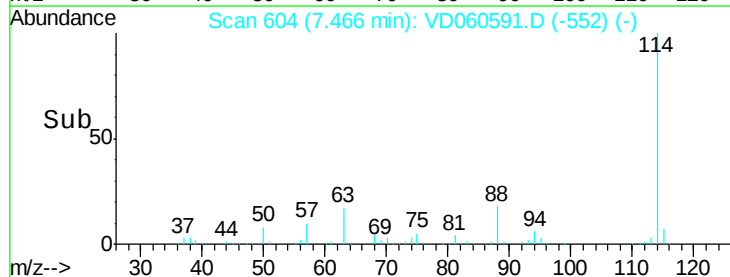
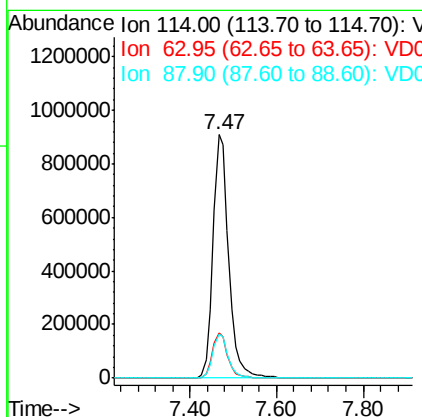
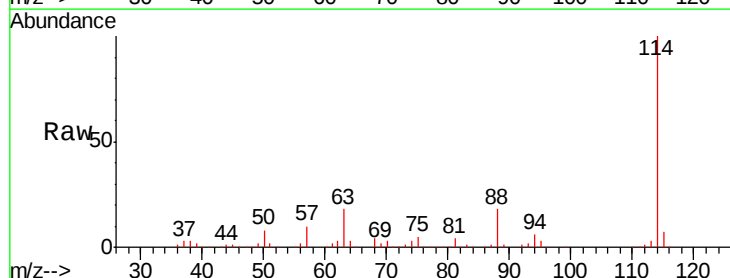
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

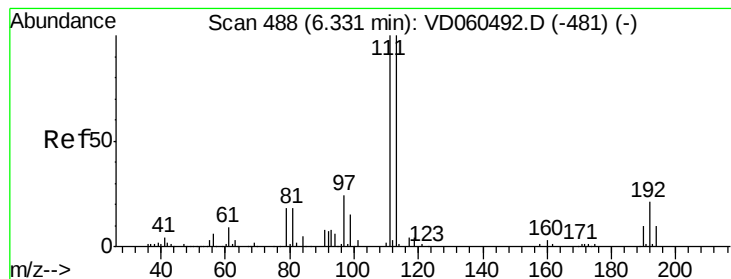
Tgt Ion: 65 Resp: 559942
 Ion Ratio Lower Upper
 65 100
 67 52.4 0.0 106.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 7.47 min Scan# 604
 Delta R.T. 0.01 min
 Lab File: VD060591.D
 Acq: 17 Dec 2018 10:58

Tgt Ion: 114 Resp: 2285176
 Ion Ratio Lower Upper
 114 100
 63 18.5 0.0 34.2
 88 18.0 0.0 35.0





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 6.35 min Scan# 491

Delta R.T. 0.02 min

Lab File: VD060591.D

Acq: 17 Dec 2018 10:58

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

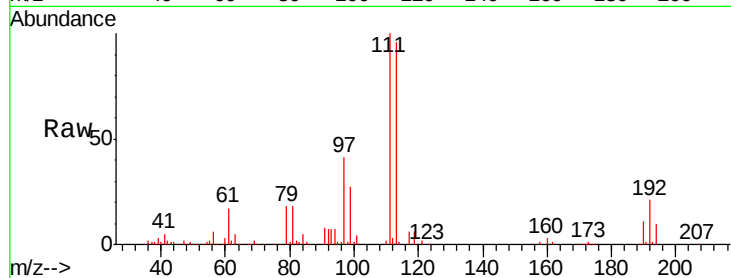
Tgt Ion:113 Resp: 831228

Ion Ratio Lower Upper

113 100

111 104.0 80.2 120.4

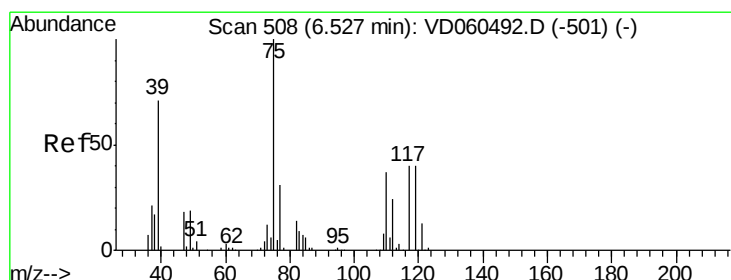
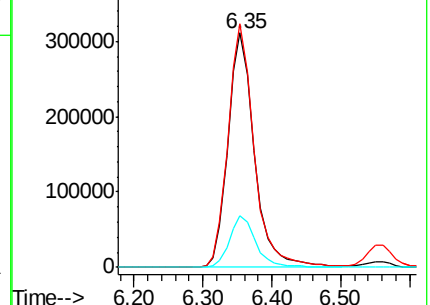
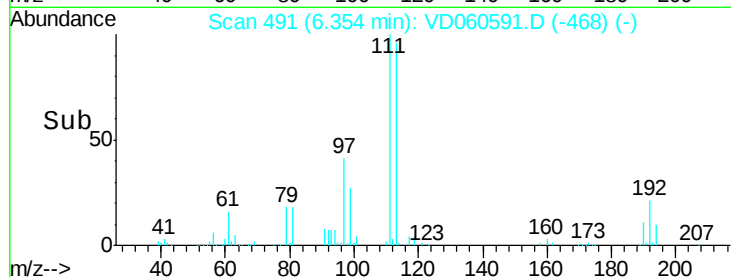
192 21.9 16.6 24.8



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: 54.067 ug/l

RT: 6.55 min Scan# 511

Delta R.T. 0.02 min

Lab File: VD060591.D

Acq: 17 Dec 2018 10:58

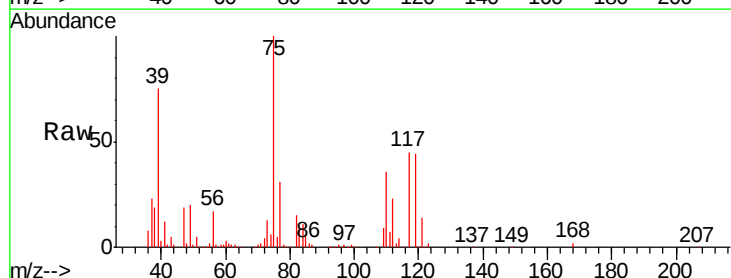
Tgt Ion: 75 Resp: 1207706

Ion Ratio Lower Upper

75 100

110 36.0 18.3 54.8

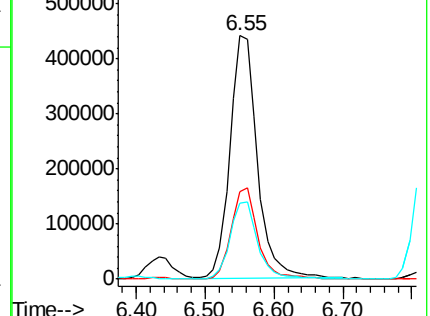
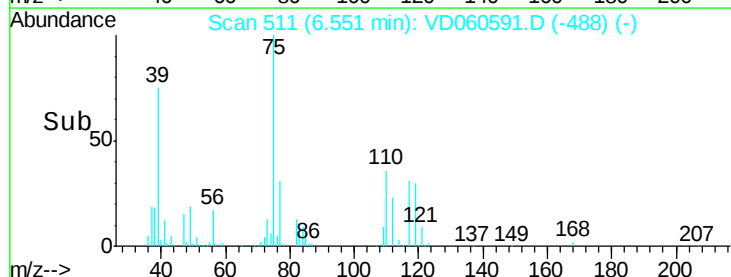
77 31.3 24.6 37.0

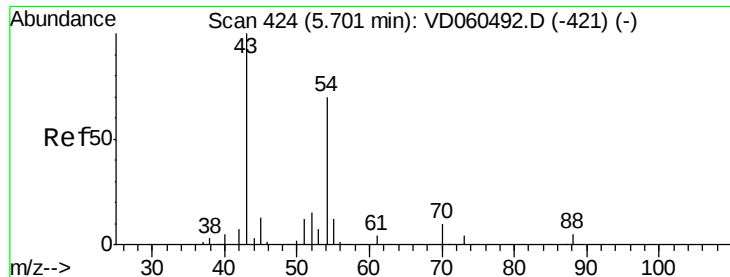


Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): VDC

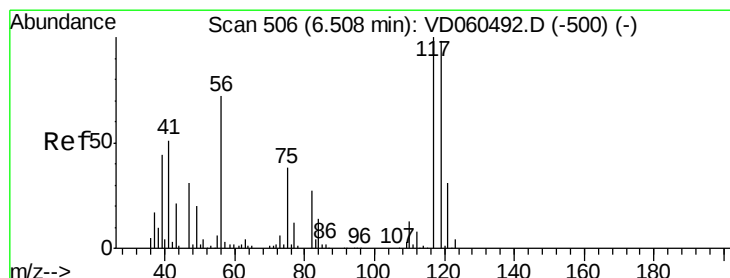
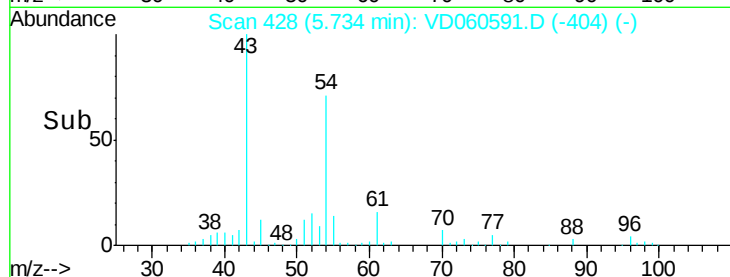
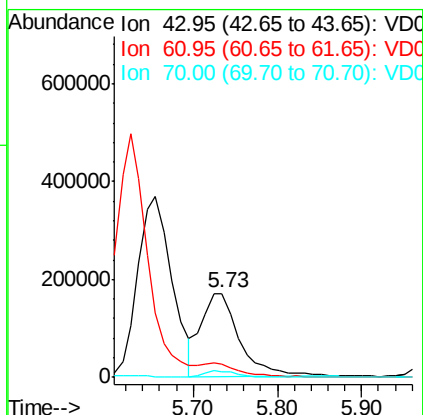
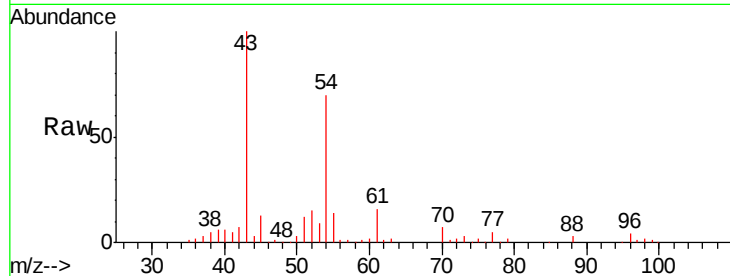




#37
Ethyl Acetate
Concen: 54.433 ug/l
RT: 5.73 min Scan# 428
Delta R.T. 0.03 min
Lab File: VD060591.D
Acq: 17 Dec 2018 10:58

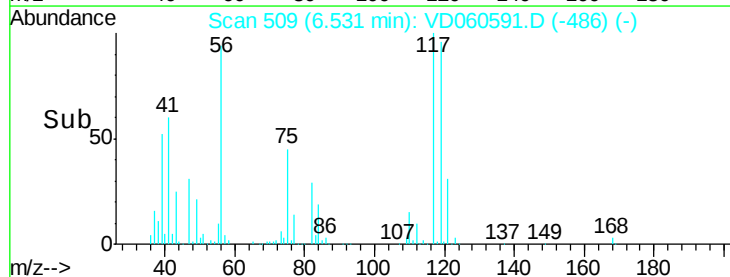
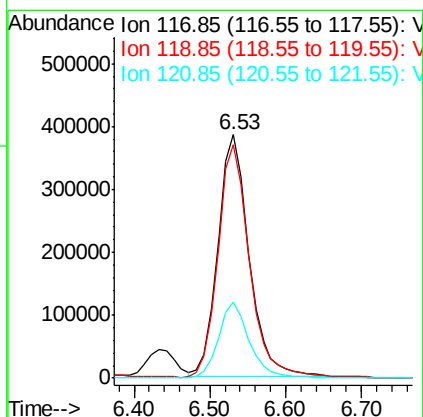
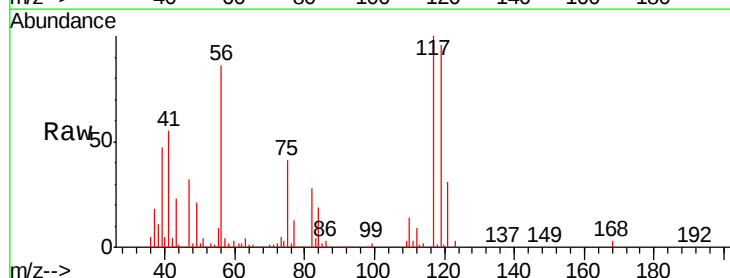
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

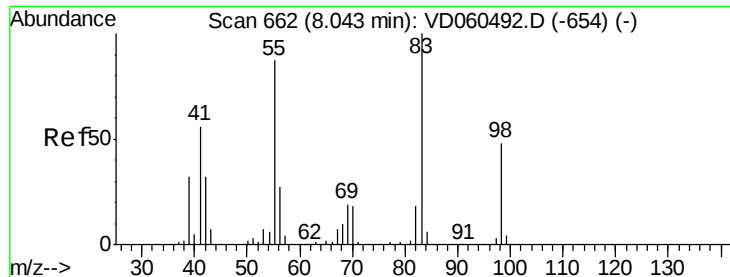
Tgt Ion: 43 Resp: 527308
Ion Ratio Lower Upper
43 100
61 16.3 12.4 18.6
70 6.9 5.4 8.0



#38
Carbon Tetrachloride
Concen: 54.834 ug/l
RT: 6.53 min Scan# 509
Delta R.T. 0.02 min
Lab File: VD060591.D
Acq: 17 Dec 2018 10:58

Tgt Ion: 117 Resp: 1099597
Ion Ratio Lower Upper
117 100
119 95.9 76.8 115.2
121 31.0 24.4 36.6

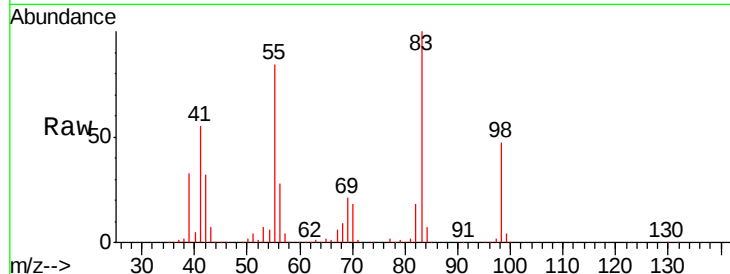




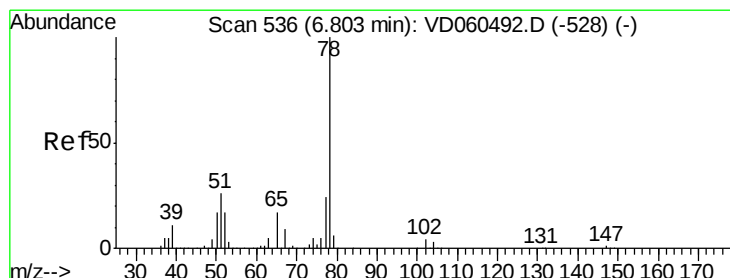
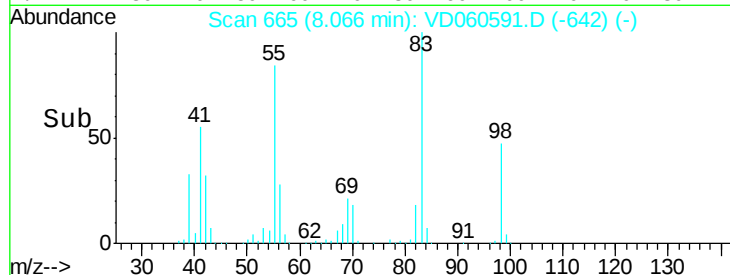
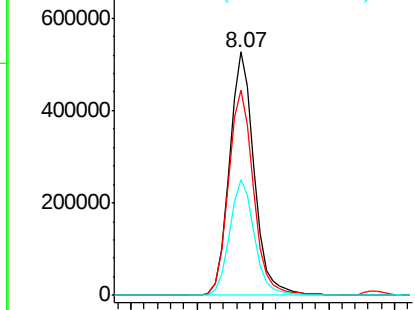
#39
Methylcyclohexane
Concen: 54.557 ug/l
RT: 8.07 min Scan# 665
Delta R.T. 0.02 min
Lab File: VD060591.D
Acq: 17 Dec 2018 10:58

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tgt Ion: 83 Resp: 1389250
Ion Ratio Lower Upper
83 100
55 84.3 69.8 104.8
98 47.4 38.4 57.6

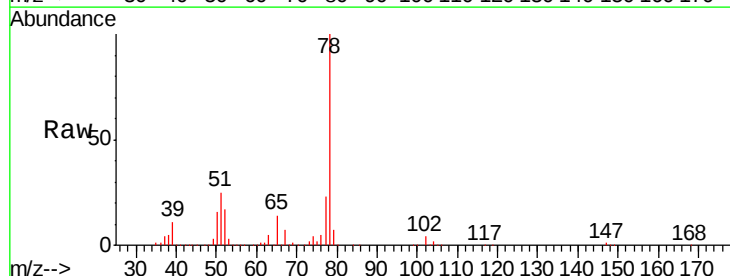


Abundance Ion 83.05 (82.75 to 83.75): VDC
Ion 55.00 (54.70 to 55.70): VDC
Ion 98.05 (97.75 to 98.75): VDC

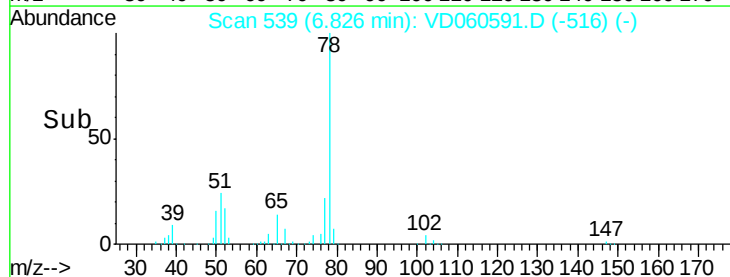
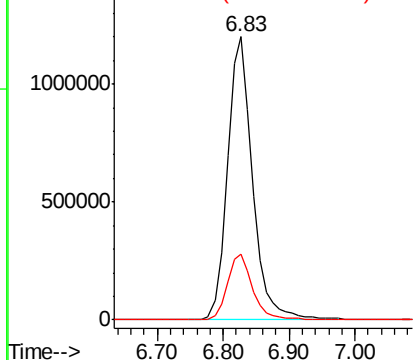


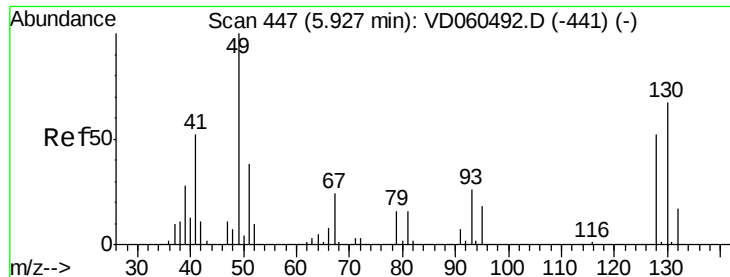
#40
Benzene
Concen: 55.926 ug/l
RT: 6.83 min Scan# 539
Delta R.T. 0.02 min
Lab File: VD060591.D
Acq: 17 Dec 2018 10:58

Tgt Ion: 78 Resp: 3192649
Ion Ratio Lower Upper
78 100
77 23.3 18.9 28.3



Abundance Ion 77.95 (77.65 to 78.65): VDC
Ion 76.95 (76.65 to 77.65): VDC

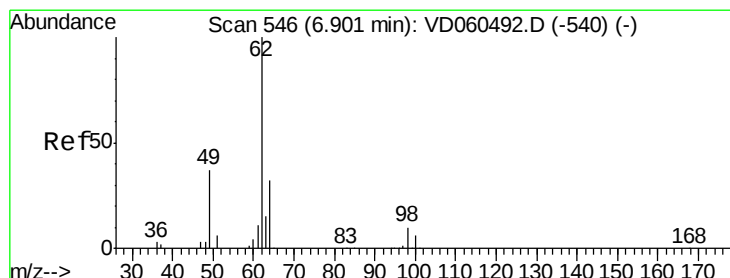
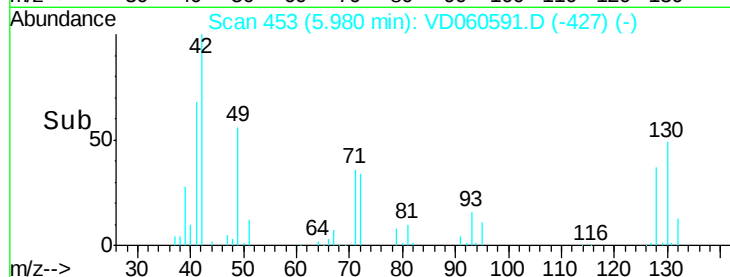
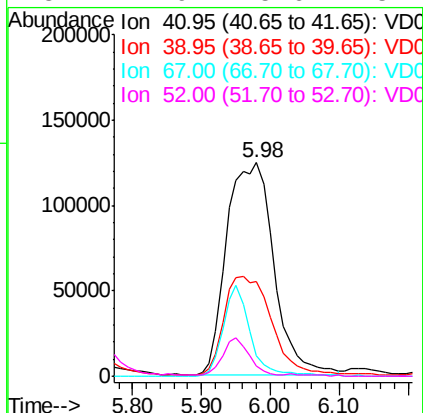
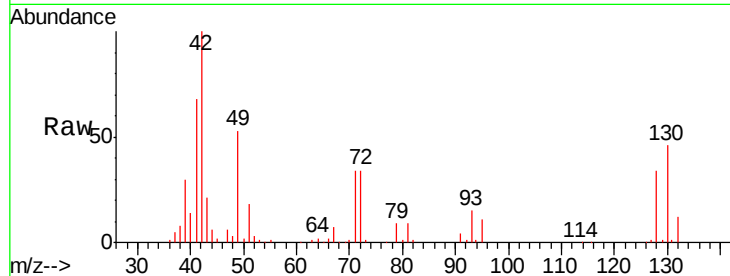




#41
Methacrylonitrile
Concen: 113.353 ug/l
RT: 5.98 min Scan# 453
Delta R.T. 0.05 min
Lab File: VD060591.D
Acq: 17 Dec 2018 10:58

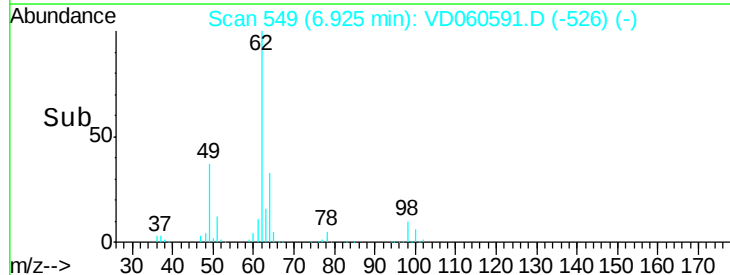
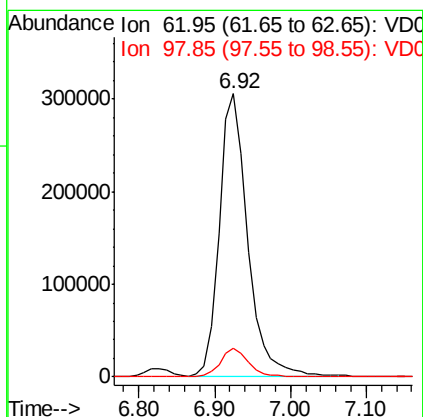
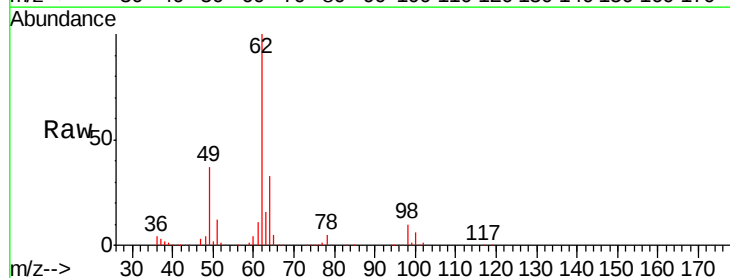
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

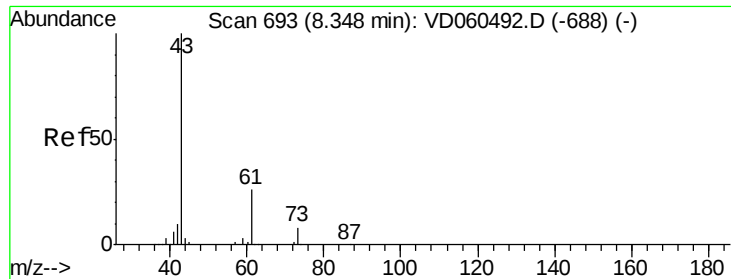
Tgt Ion: 41 Resp: 591938
Ion Ratio Lower Upper
41 100
39 44.1 42.6 63.8
67 9.7 36.2 54.4#
52 4.9 15.6 23.4#



#42
1,2-Dichloroethane
Concen: 54.363 ug/l
RT: 6.92 min Scan# 549
Delta R.T. 0.02 min
Lab File: VD060591.D
Acq: 17 Dec 2018 10:58

Tgt Ion: 62 Resp: 789073
Ion Ratio Lower Upper
62 100
98 10.3 0.0 20.2





#43

Isopropyl Acetate

Concen: 54.936 ug/l

RT: 8.37 min Scan# 696

Delta R.T. 0.02 min

Lab File: VD060591.D

Acq: 17 Dec 2018 10:58

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

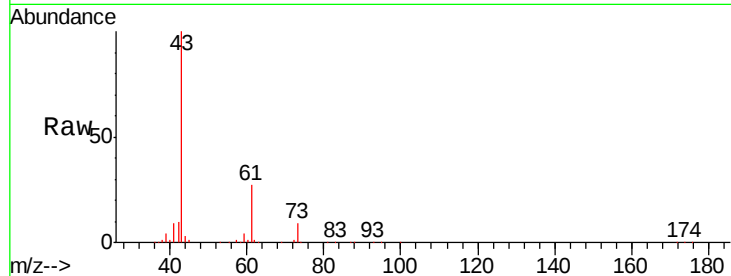
Tgt Ion: 43 Resp: 656940

Ion Ratio Lower Upper

43 100

61 26.7 21.0 31.4

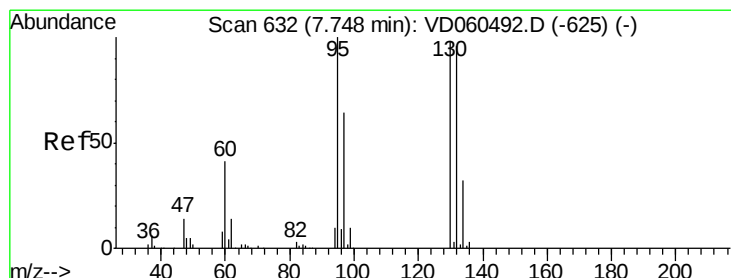
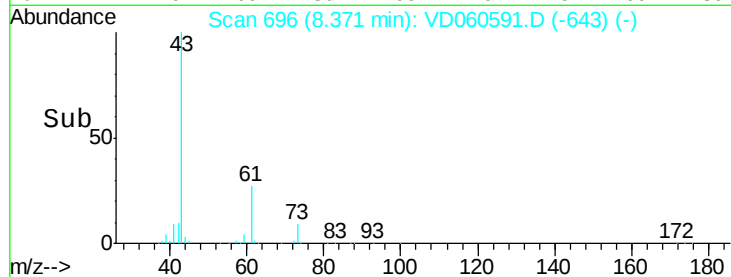
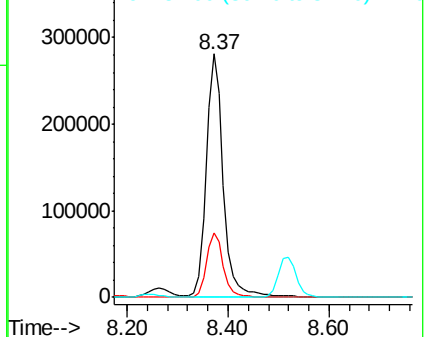
87 0.2 0.2 0.2



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: 56.597 ug/l

RT: 7.77 min Scan# 635

Delta R.T. 0.02 min

Lab File: VD060591.D

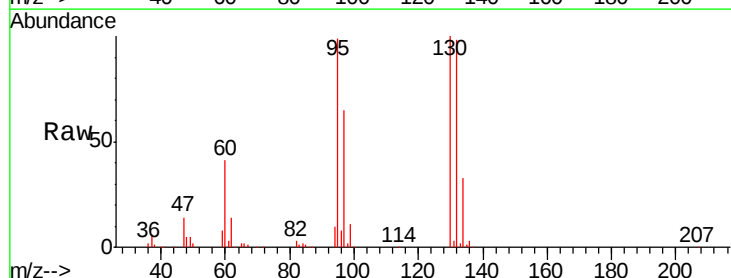
Acq: 17 Dec 2018 10:58

Tgt Ion: 130 Resp: 965576

Ion Ratio Lower Upper

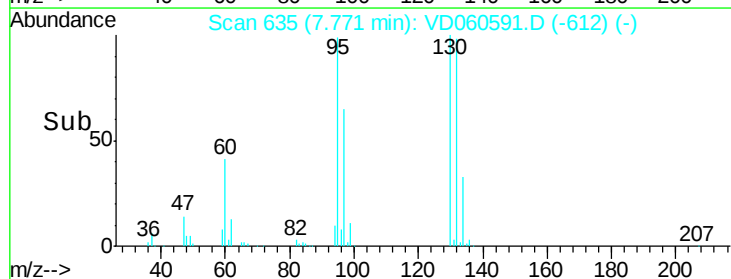
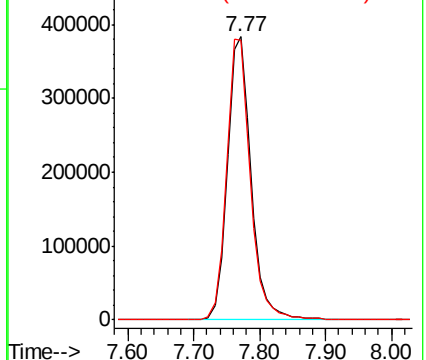
130 100

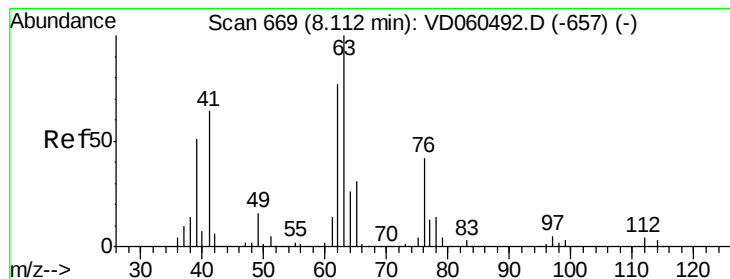
95 98.7 0.0 203.8



Abundance Ion 129.80 (129.50 to 130.50): VDC

Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 55.133 ug/l

RT: 8.13 min Scan# 671

Delta R.T. 0.01 min

Lab File: VD060591.D

Acq: 17 Dec 2018 10:58

Instrument :

MSVOA_D

ClientSampleId :

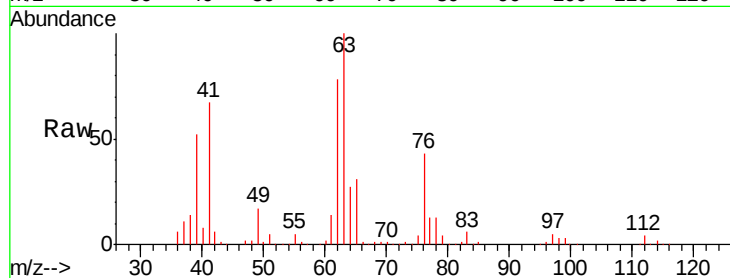
VSTDCCC050

Tgt Ion: 63 Resp: 778421

Ion Ratio Lower Upper

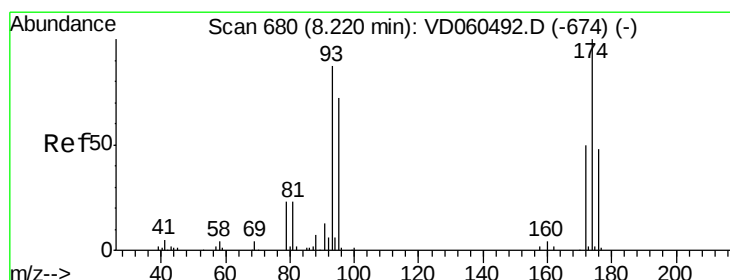
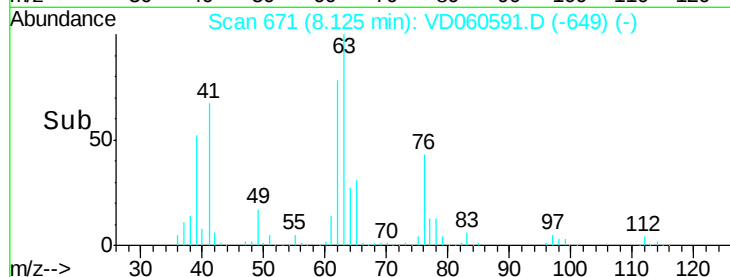
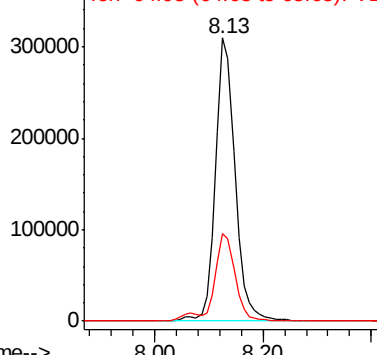
63 100

65 31.0 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: 54.349 ug/l

RT: 8.24 min Scan# 683

Delta R.T. 0.02 min

Lab File: VD060591.D

Acq: 17 Dec 2018 10:58

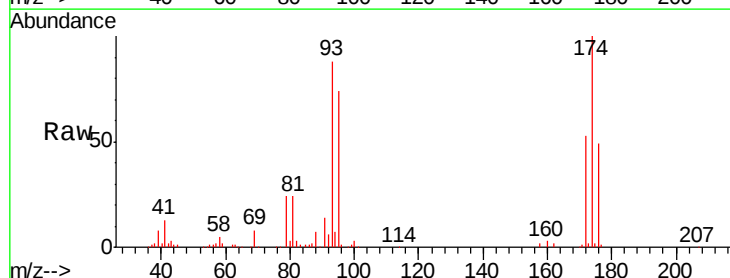
Tgt Ion: 93 Resp: 443353

Ion Ratio Lower Upper

93 100

95 83.9 65.6 98.4

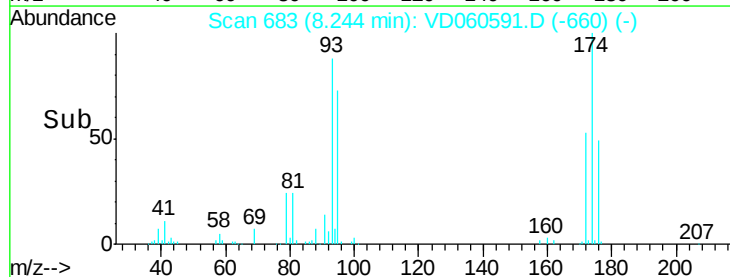
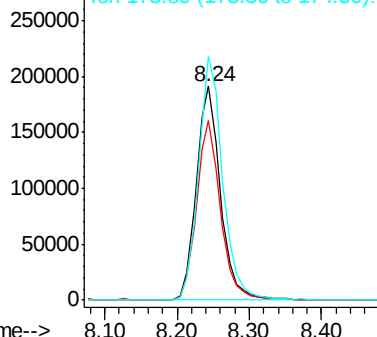
174 114.0 91.7 137.5

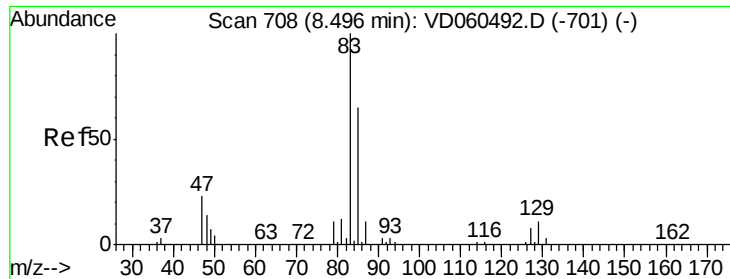


Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): VDC





#47

Bromodichloromethane

Concen: 56.712 ug/l

RT: 8.52 min Scan# 711

Delta R.T. 0.02 min

Lab File: VD060591.D

Acq: 17 Dec 2018 10:58

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

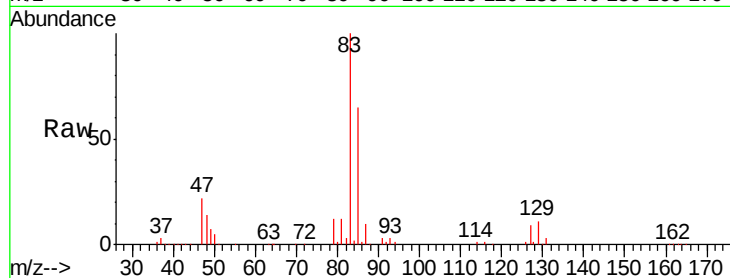
Tgt Ion: 83 Resp: 1097703

Ion Ratio Lower Upper

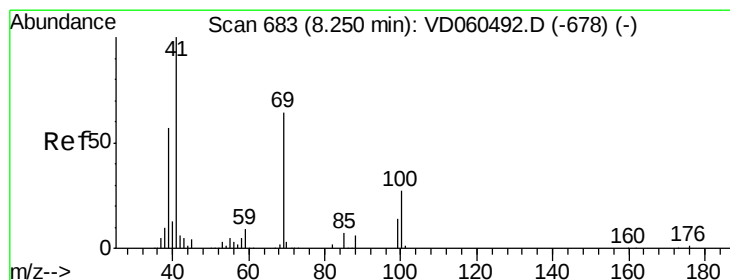
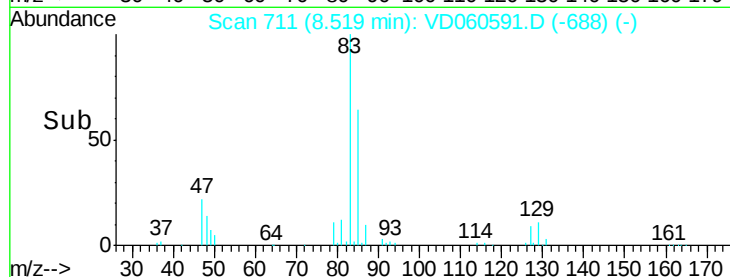
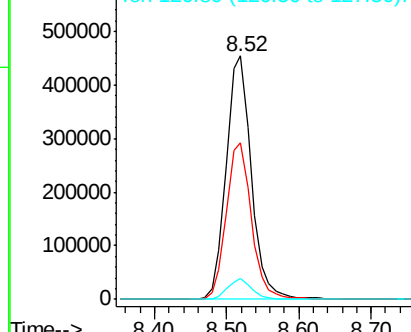
83 100

85 64.5 52.2 78.4

127 8.6 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): V



#48

Methyl methacrylate

Concen: 54.956 ug/l

RT: 8.27 min Scan# 686

Delta R.T. 0.02 min

Lab File: VD060591.D

Acq: 17 Dec 2018 10:58

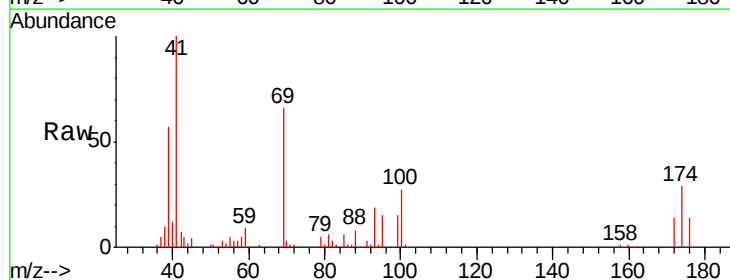
Tgt Ion: 41 Resp: 388853

Ion Ratio Lower Upper

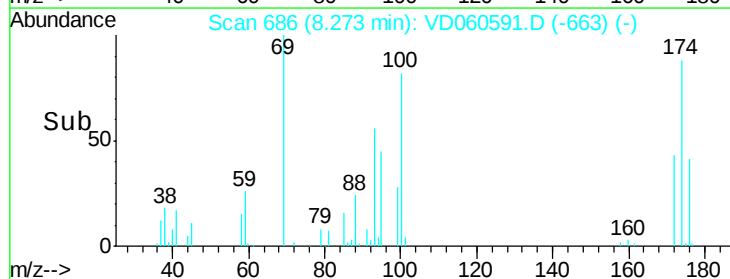
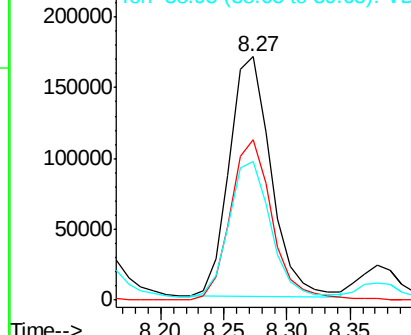
41 100

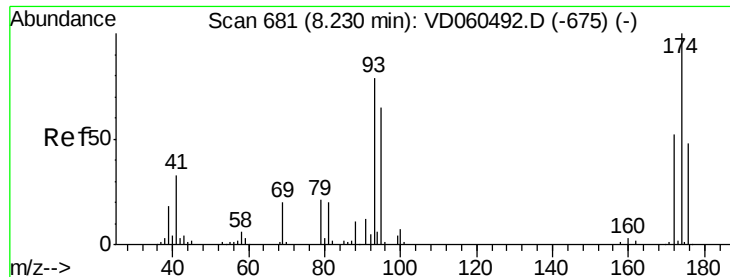
69 65.8 50.2 75.4

39 57.1 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: 1099.386 ug/l

RT: 8.25 min Scan# 684

Delta R.T. 0.02 min

Lab File: VD060591.D

Acq: 17 Dec 2018 10:58

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

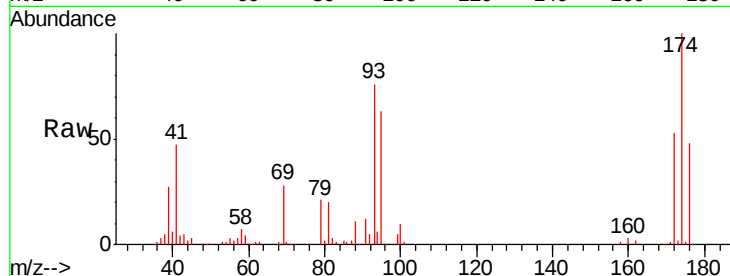
Tgt Ion: 88 Resp: 70502

Ion Ratio Lower Upper

88 100

43 43.5 32.9 49.3

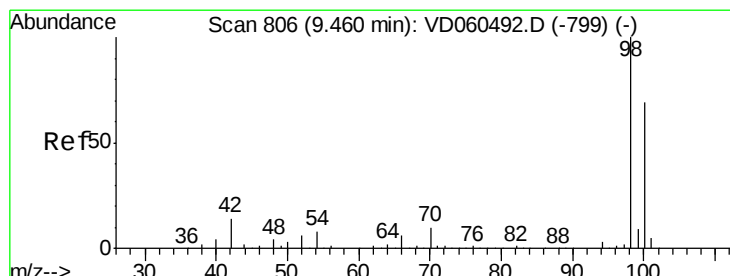
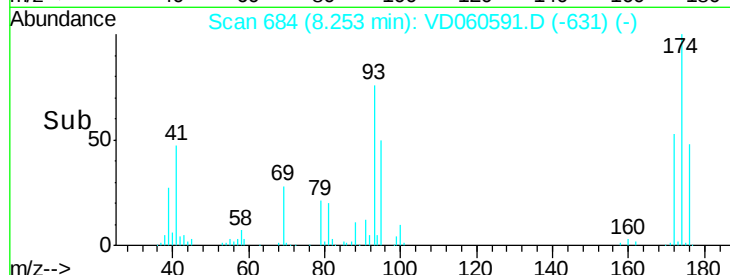
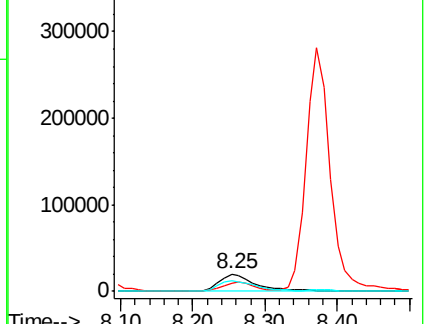
58 62.9 47.7 71.5



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: 1099.386 ug/l

RT: 9.48 min Scan# 809

Delta R.T. 0.02 min

Lab File: VD060591.D

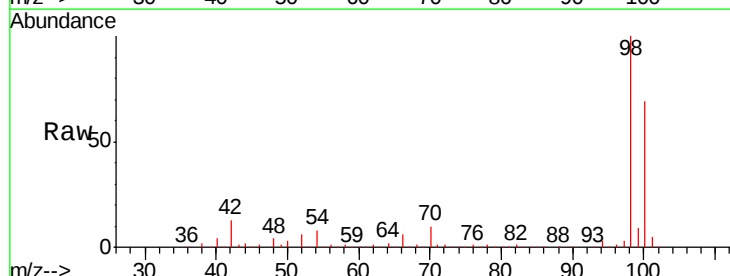
Acq: 17 Dec 2018 10:58

Tgt Ion: 98 Resp: 2387274

Ion Ratio Lower Upper

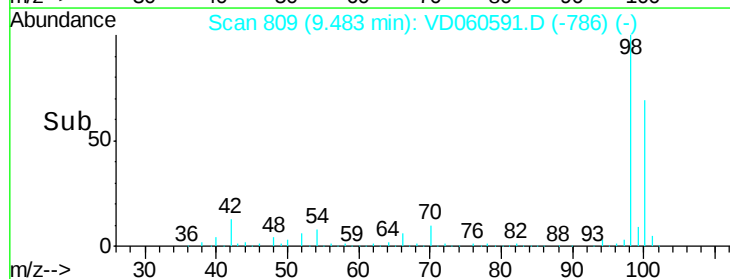
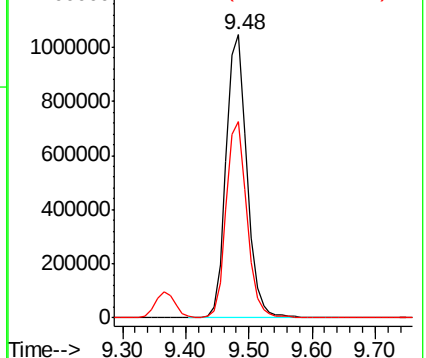
98 100

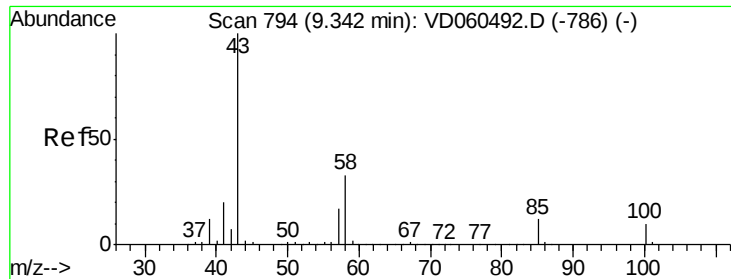
100 69.4 55.7 83.5



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: 280.823 ug/l

RT: 9.37 min Scan# 797

Delta R.T. 0.02 min

Lab File: VD060591.D

Acq: 17 Dec 2018 10:58

Instrument :

MSVOA_D

ClientSampleId :

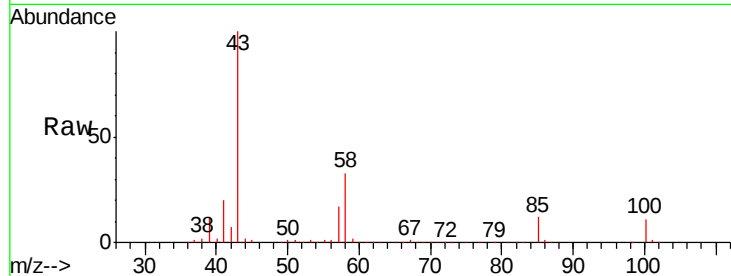
VSTDCCC050

Tgt Ion: 43 Resp: 2088917

Ion Ratio Lower Upper

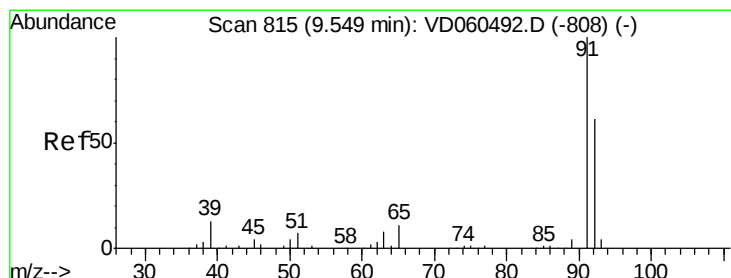
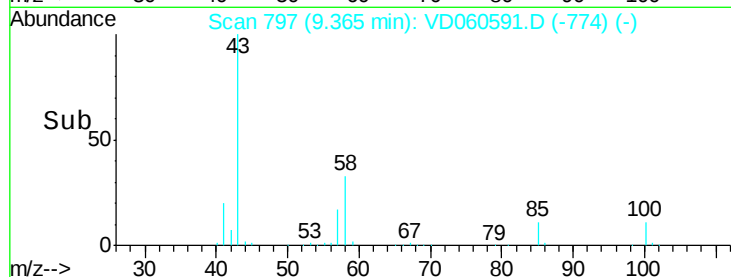
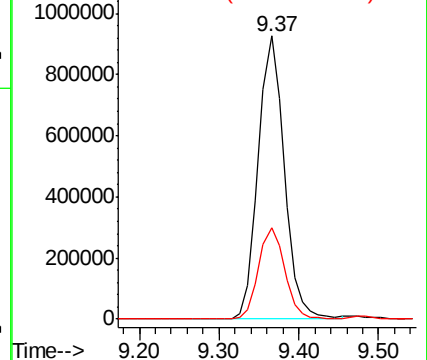
43 100

58 32.5 26.3 39.5



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#52

Toluene

Concen: 54.859 ug/l

RT: 9.57 min Scan# 818

Delta R.T. 0.02 min

Lab File: VD060591.D

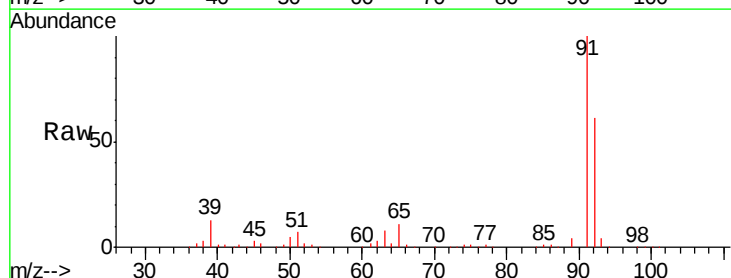
Acq: 17 Dec 2018 10:58

Tgt Ion: 92 Resp: 1957416

Ion Ratio Lower Upper

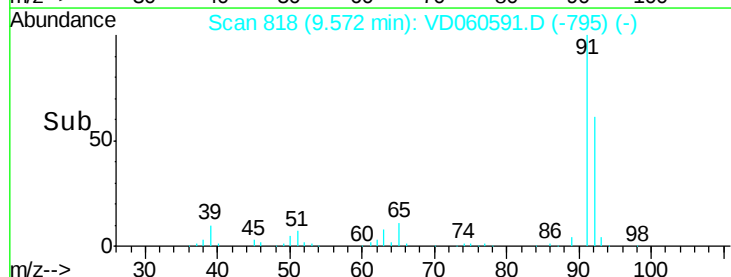
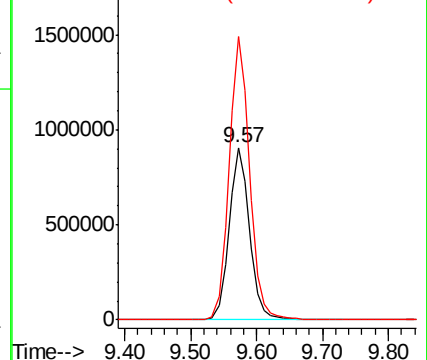
92 100

91 164.0 131.7 197.5



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC





#53

t-1,3-Dichloropropene

Concen: 57.787 ug/l

RT: 9.95 min Scan# 856

Delta R.T. 0.02 min

Lab File: VD060591.D

Acq: 17 Dec 2018 10:58

Instrument :

MSVOA_D

ClientSampleId :

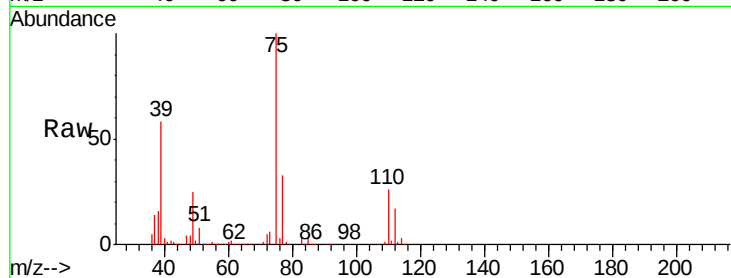
VSTDCCC050

Tgt Ion: 75 Resp: 919064

Ion Ratio Lower Upper

75 100

77 32.7 26.2 39.2



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

9.95

400000

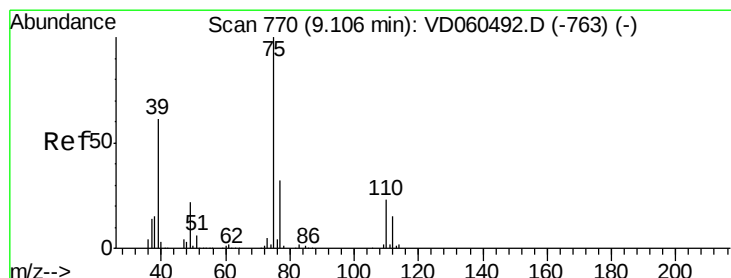
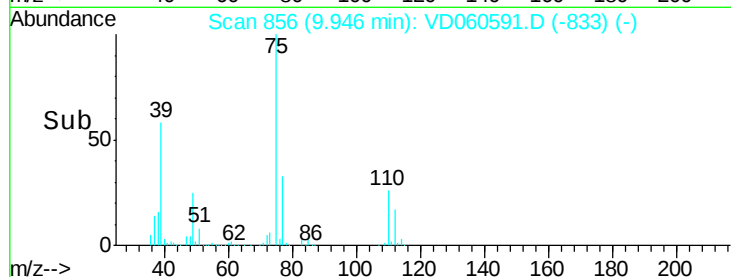
300000

200000

100000

0

Time--> 9.80 9.90 10.00



#54

cis-1,3-Dichloropropene

Concen: 56.619 ug/l

RT: 9.13 min Scan# 773

Delta R.T. 0.02 min

Lab File: VD060591.D

Acq: 17 Dec 2018 10:58

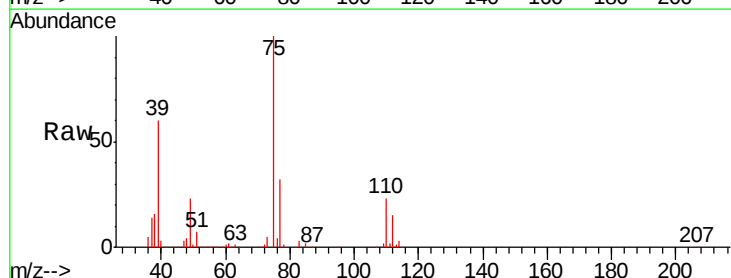
Tgt Ion: 75 Resp: 1183127

Ion Ratio Lower Upper

75 100

77 32.1 25.6 38.4

39 60.3 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

9.13

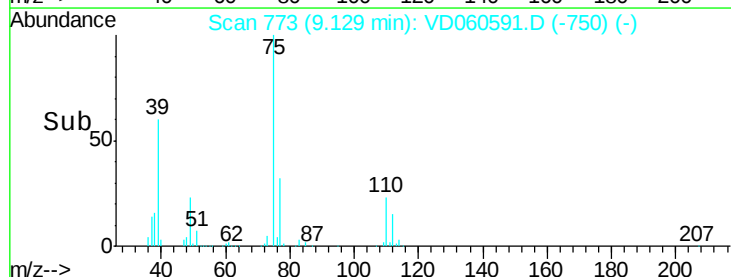
600000

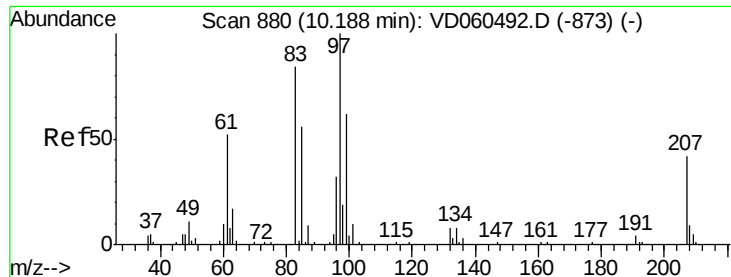
400000

200000

0

Time--> 9.00 9.10 9.20 9.30

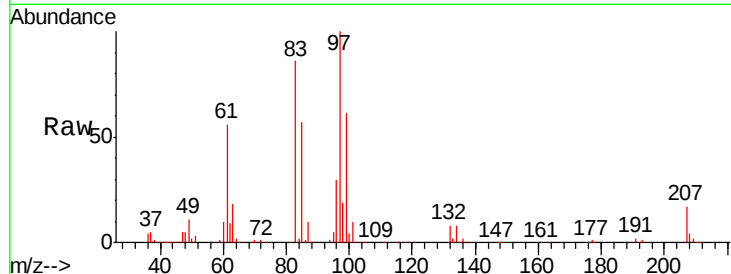




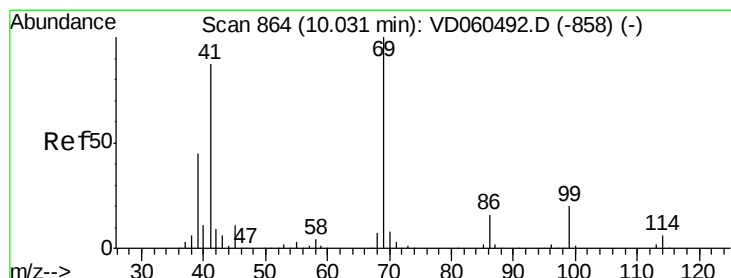
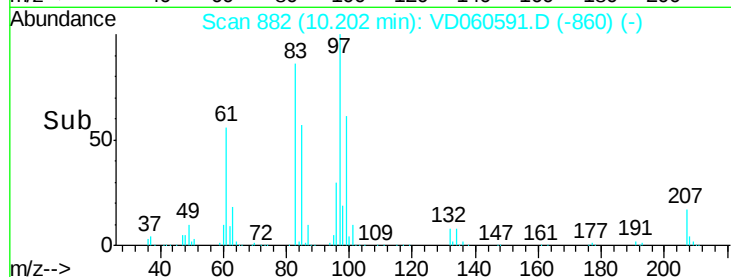
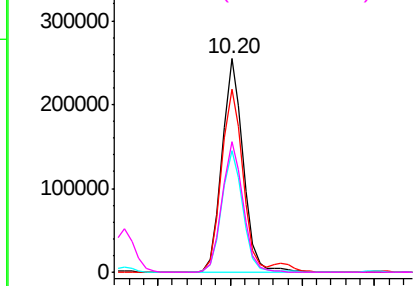
#55
 1,1,2-Trichloroethane
 Concen: 52.018 ug/l
 RT: 10.20 min Scan# 882
 Delta R.T. 0.01 min
 Lab File: VD060591.D
 Acq: 17 Dec 2018 10:58

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tgt Ion: 97 Resp: 516870
 Ion Ratio Lower Upper
 97 100
 83 85.7 67.2 100.8
 85 57.2 44.5 66.7
 99 61.4 49.3 73.9

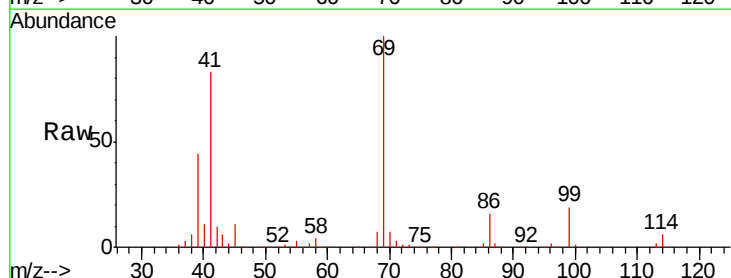


Abundance Ion 96.85 (96.55 to 97.55): VDC
 Ion 82.95 (82.65 to 83.65): VDC
 Ion 84.95 (84.65 to 85.65): VDC
 Ion 98.85 (98.55 to 99.55): VDC

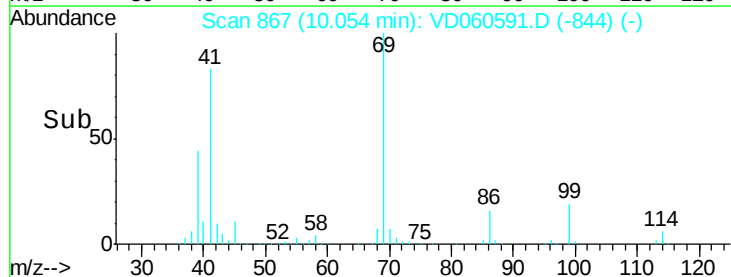
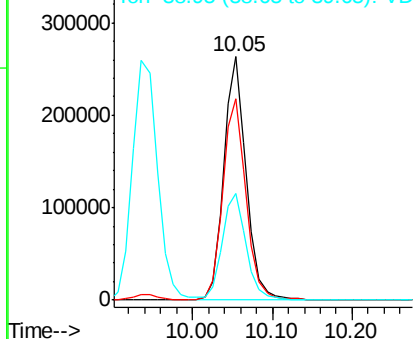


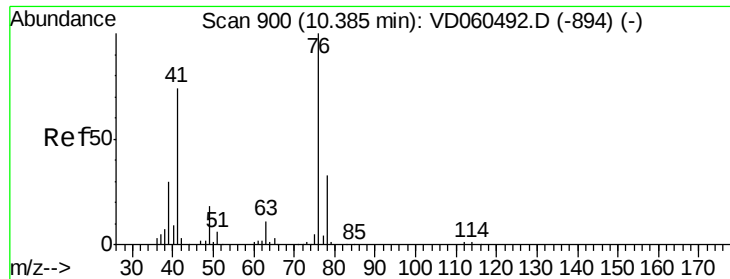
#56
 Ethyl methacrylate
 Concen: 57.799 ug/l
 RT: 10.05 min Scan# 867
 Delta R.T. 0.02 min
 Lab File: VD060591.D
 Acq: 17 Dec 2018 10:58

Tgt Ion: 69 Resp: 519764
 Ion Ratio Lower Upper
 69 100
 41 82.7 69.8 104.8
 39 43.9 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: 54.956 ug/l

RT: 10.40 min Scan# 902

Delta R.T. 0.01 min

Lab File: VD060591.D

Acq: 17 Dec 2018 10:58

Instrument :

MSVOA_D

ClientSampleId :

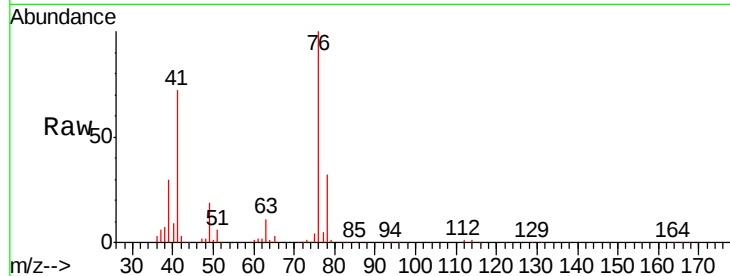
VSTDCCC050

Tgt Ion: 76 Resp: 844135

Ion Ratio Lower Upper

76 100

78 32.0 26.1 39.1



Abundance Ion 75.95 (75.65 to 76.65): VDC

Ion 77.95 (77.65 to 78.65): VDC

10.40

400000

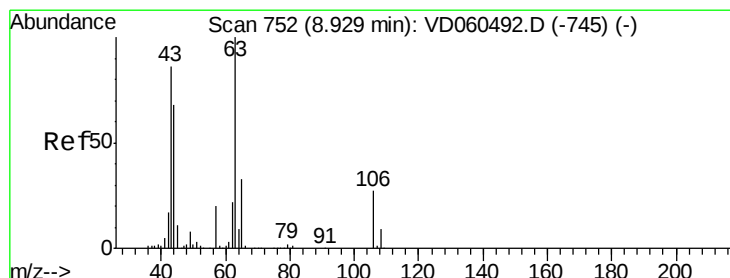
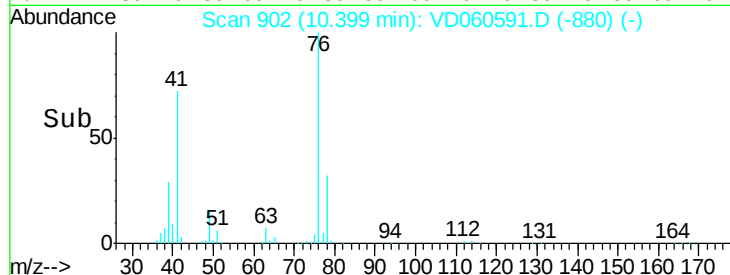
300000

200000

100000

0

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 262.587 ug/l

RT: 8.95 min Scan# 755

Delta R.T. 0.02 min

Lab File: VD060591.D

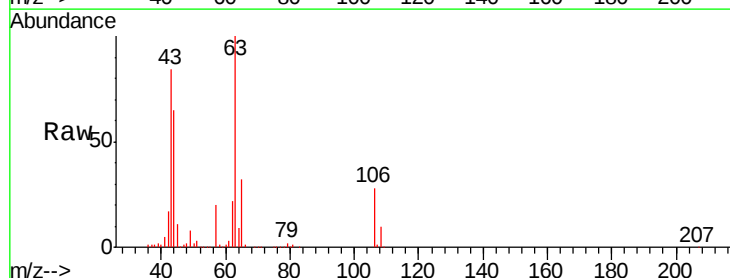
Acq: 17 Dec 2018 10:58

Tgt Ion: 63 Resp: 1412906

Ion Ratio Lower Upper

63 100

106 27.9 21.6 32.4



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): V

8.95

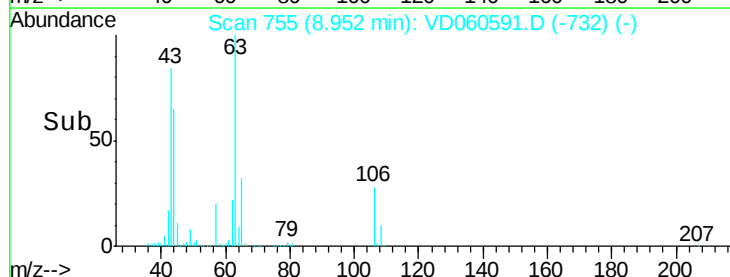
600000

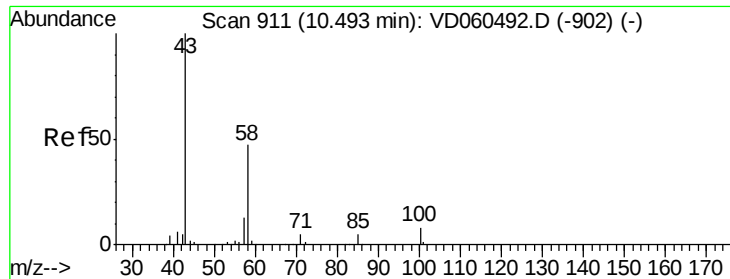
400000

200000

0

Time-->

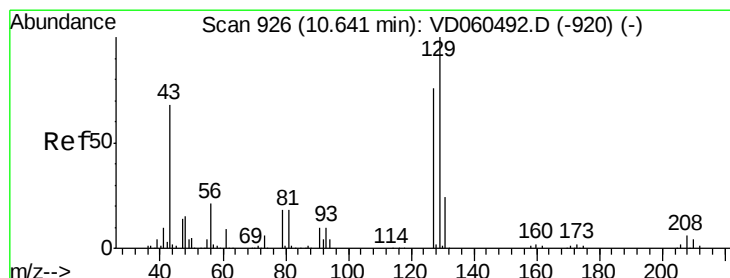
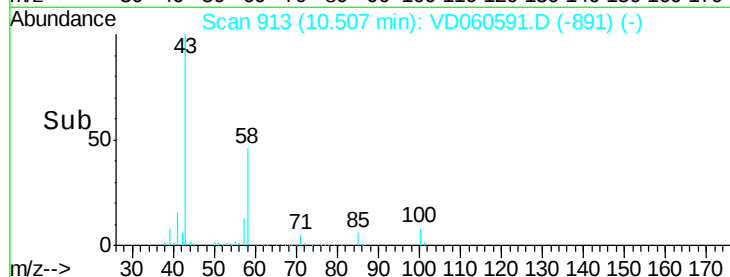
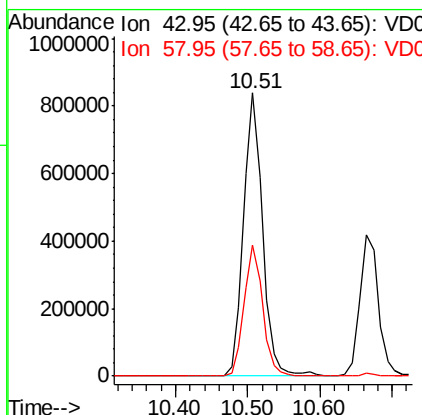
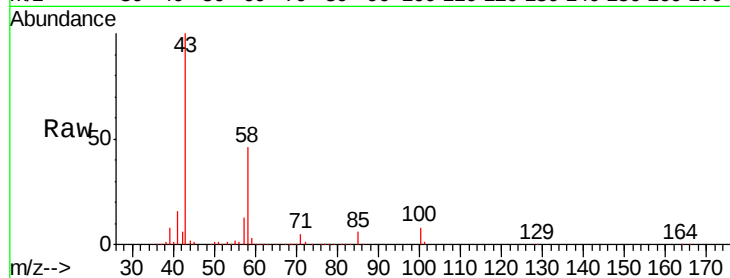




#59
2-Hexanone
Concen: 298.269 ug/l
RT: 10.51 min Scan# 913
Delta R.T. 0.01 min
Lab File: VD060591.D
Acq: 17 Dec 2018 10:58

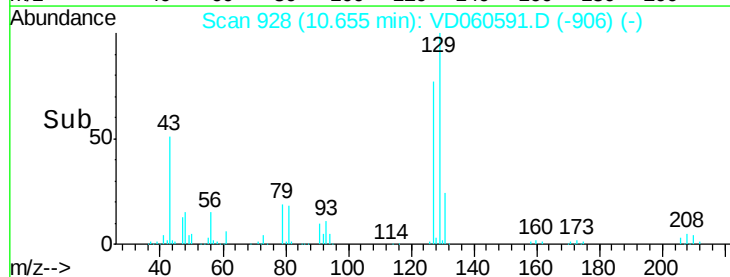
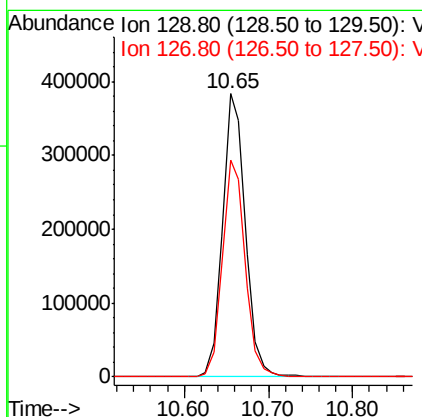
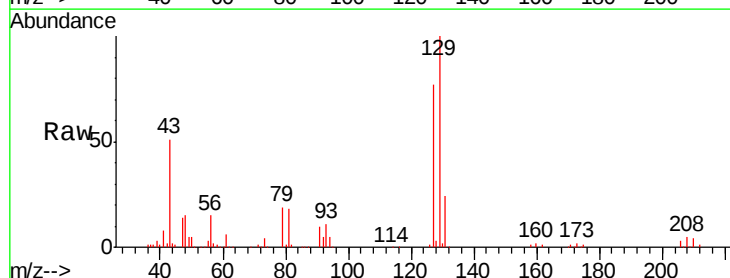
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

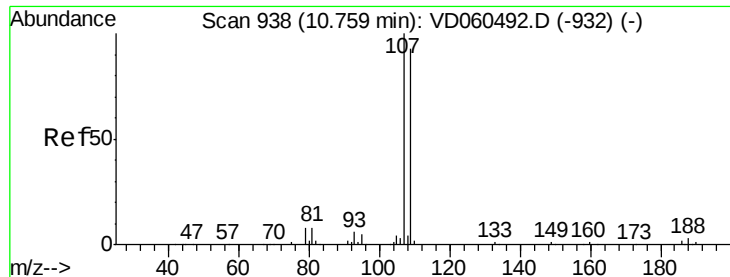
Tgt Ion: 43 Resp: 1550813
Ion Ratio Lower Upper
43 100
58 46.1 23.4 70.2



#60
Dibromochloromethane
Concen: 57.818 ug/l
RT: 10.65 min Scan# 928
Delta R.T. 0.01 min
Lab File: VD060591.D
Acq: 17 Dec 2018 10:58

Tgt Ion: 129 Resp: 718288
Ion Ratio Lower Upper
129 100
127 76.8 38.1 114.3

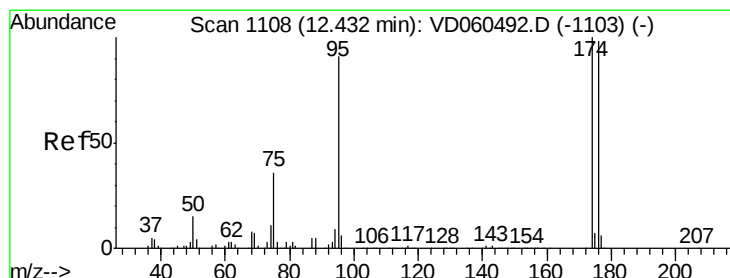
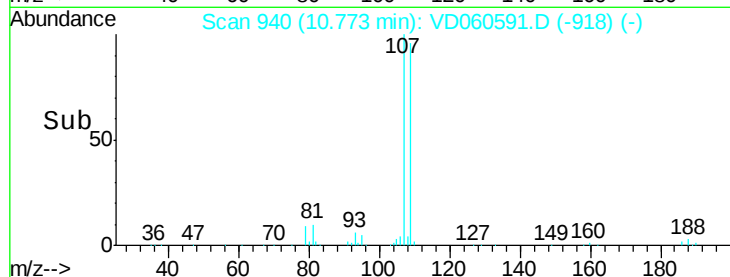
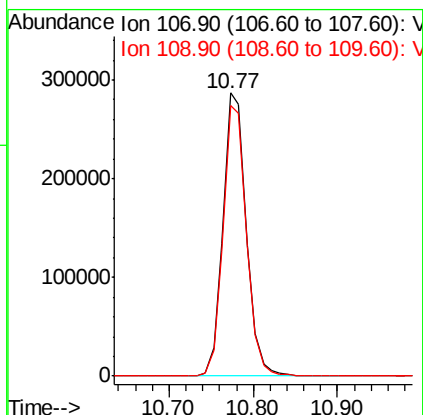
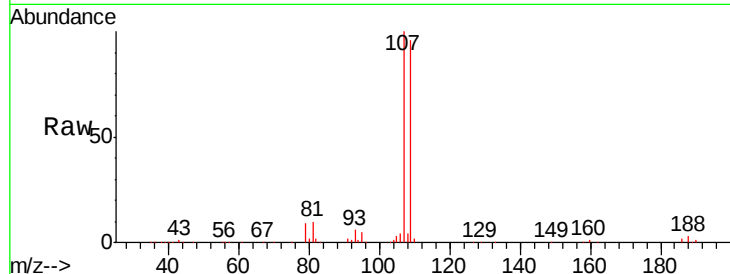




#61
 1,2-Dibromoethane
 Concen: 54.154 ug/l
 RT: 10.77 min Scan# 940
 Delta R.T. 0.01 min
 Lab File: VD060591.D
 Acq: 17 Dec 2018 10:58

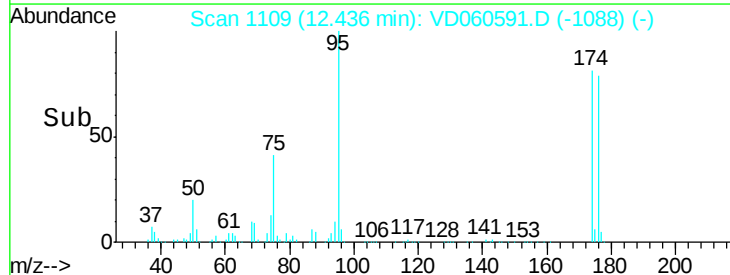
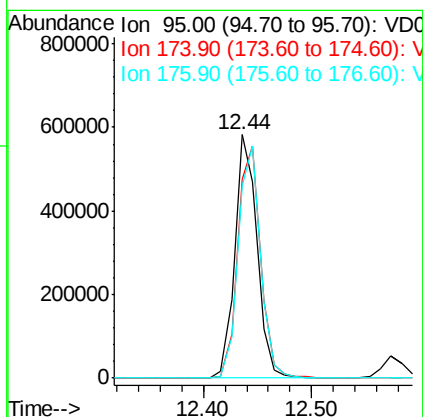
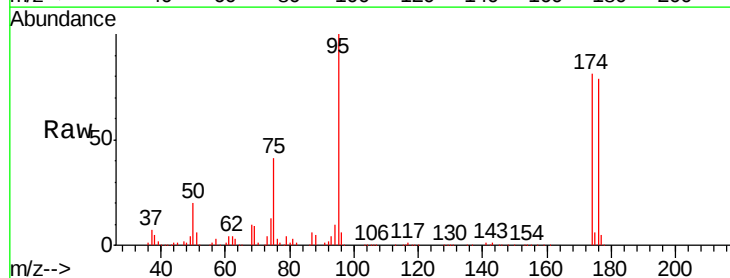
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

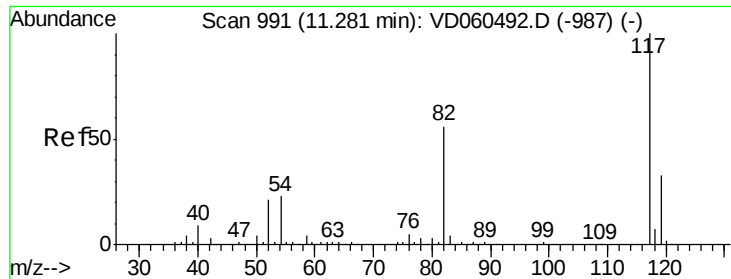
Tgt Ion: 107 Resp: 548379
 Ion Ratio Lower Upper
 107 100
 109 95.5 74.7 112.1



#62
 4-Bromofluorobenzene
 Concen: 54.154 ug/l
 RT: 12.44 min Scan# 1109
 Delta R.T. 0.00 min
 Lab File: VD060591.D
 Acq: 17 Dec 2018 10:58

Tgt Ion: 95 Resp: 833267
 Ion Ratio Lower Upper
 95 100
 174 81.4 0.0 219.4
 176 78.8 0.0 214.6

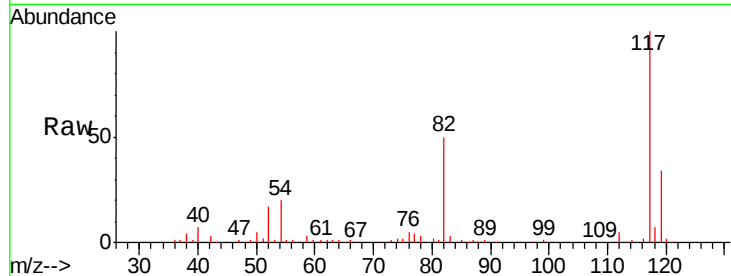




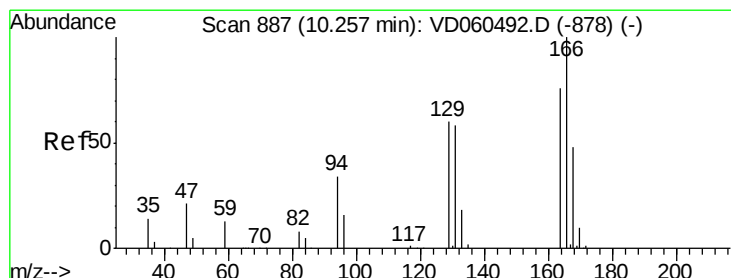
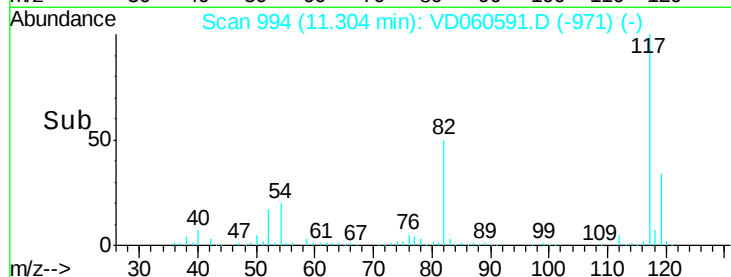
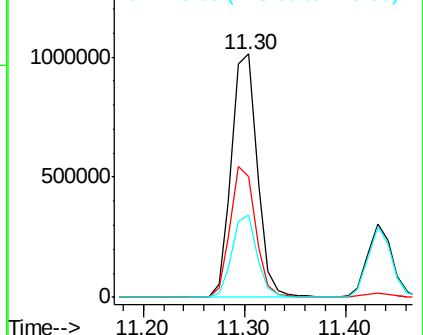
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.30 min Scan# 994
Delta R.T. 0.02 min
Lab File: VD060591.D
Acq: 17 Dec 2018 10:58

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tgt Ion:117 Resp: 1814323
Ion Ratio Lower Upper
117 100
82 49.8 45.2 67.8
119 33.6 26.1 39.1



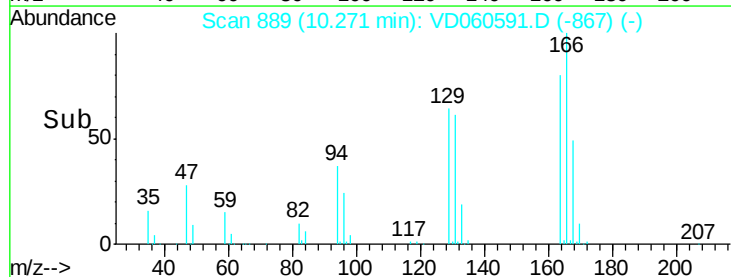
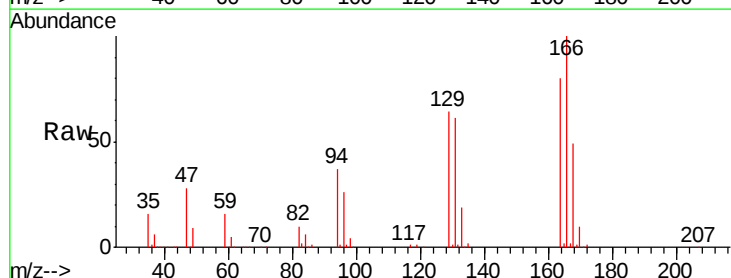
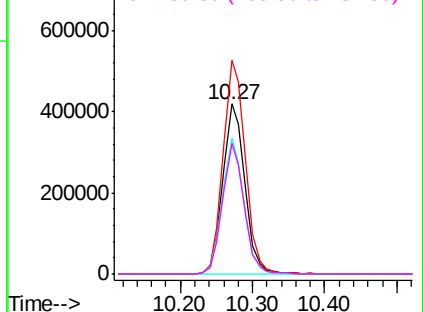
Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V



#64
Tetrachloroethene
Concen: 54.671 ug/l
RT: 10.27 min Scan# 889
Delta R.T. 0.01 min
Lab File: VD060591.D
Acq: 17 Dec 2018 10:58

Tgt Ion:164 Resp: 878314
Ion Ratio Lower Upper
164 100
166 125.6 105.0 157.6
129 79.9 63.0 94.4
131 76.5 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

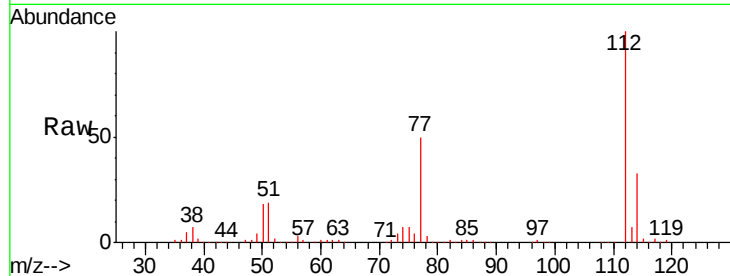




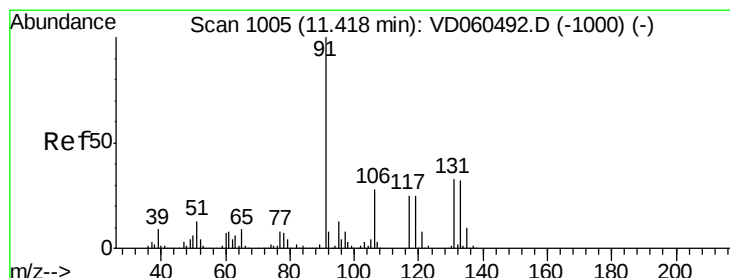
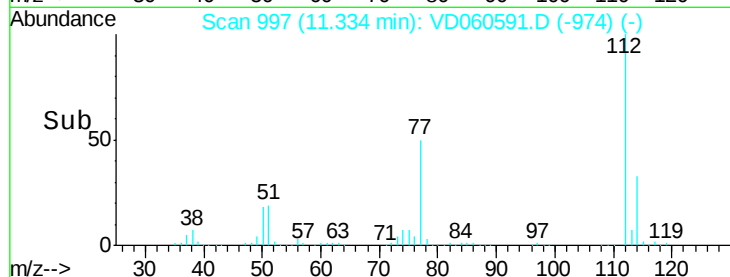
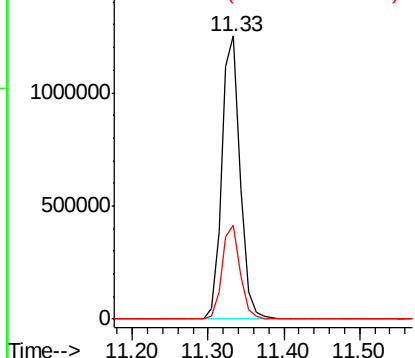
#65
Chlorobenzene
Concen: 54.905 ug/l
RT: 11.33 min Scan# 997
Delta R.T. 0.02 min
Lab File: VD060591.D
Acq: 17 Dec 2018 10:58

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tgt Ion:112 Resp: 2107432
Ion Ratio Lower Upper
112 100
114 33.0 26.2 39.4

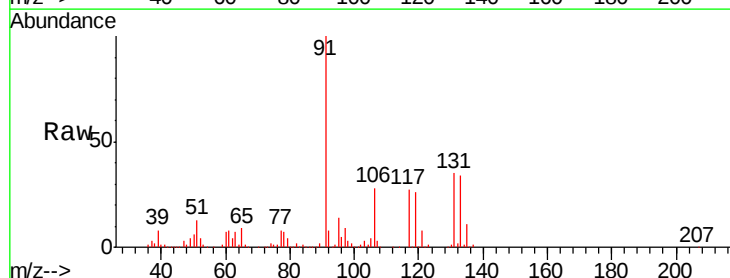


Abundance Ion 111.90 (111.60 to 112.60): V
Ion 114.00 (113.70 to 114.70): V

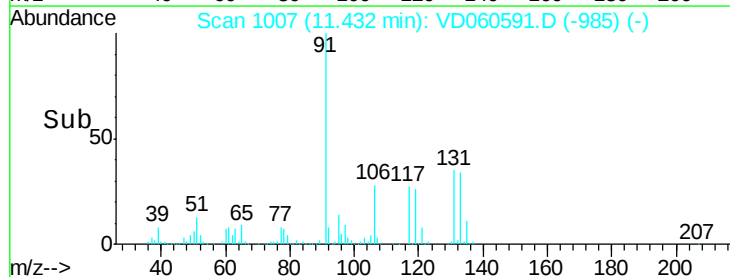
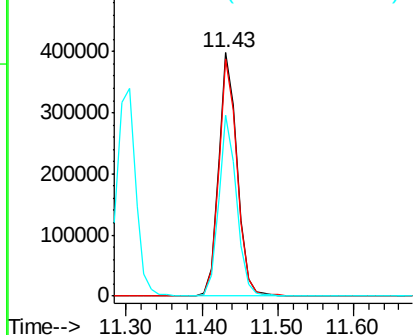


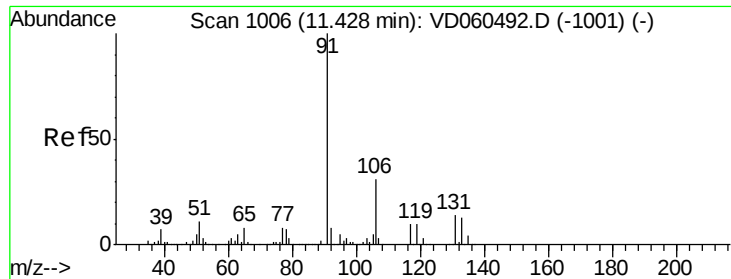
#66
1,1,1,2-Tetrachloroethane
Concen: 55.139 ug/l
RT: 11.43 min Scan# 1007
Delta R.T. 0.01 min
Lab File: VD060591.D
Acq: 17 Dec 2018 10:58

Tgt Ion:131 Resp: 682152
Ion Ratio Lower Upper
131 100
133 97.3 49.1 147.3
119 74.1 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

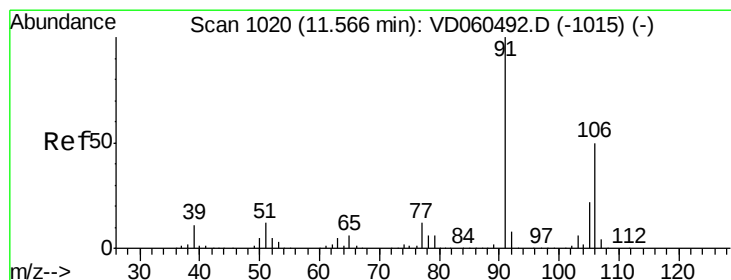
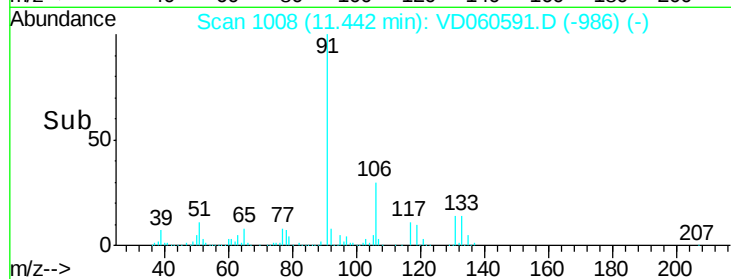
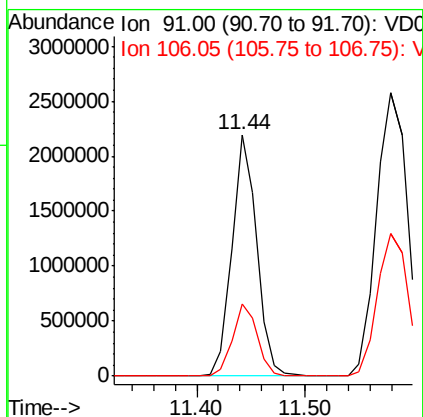
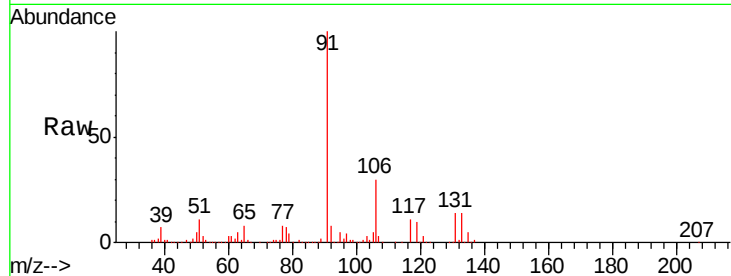




#67
Ethyl Benzene
Concen: 53.298 ug/l
RT: 11.44 min Scan# 1008
Delta R.T. 0.01 min
Lab File: VD060591.D
Acq: 17 Dec 2018 10:58

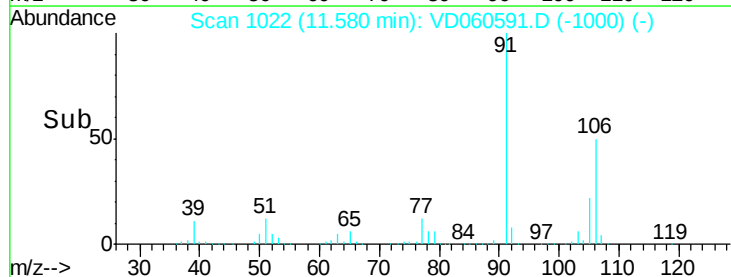
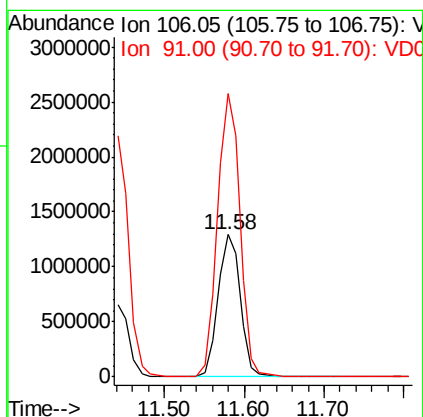
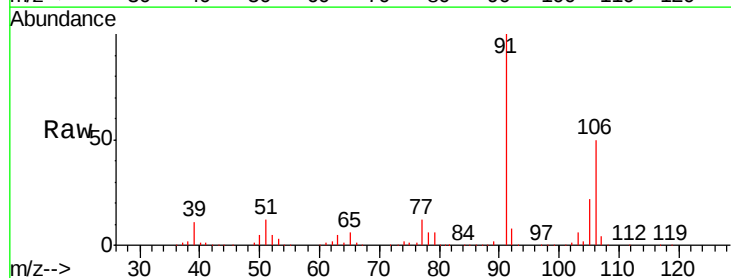
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

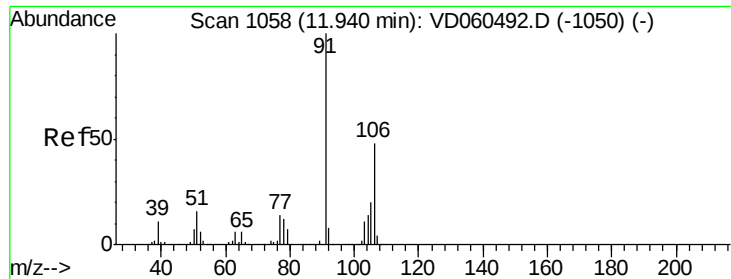
Tgt Ion: 91 Resp: 3489468
Ion Ratio Lower Upper
91 100
106 29.9 24.6 37.0



#68
m/p-Xylenes
Concen: 105.279 ug/l
RT: 11.58 min Scan# 1022
Delta R.T. 0.01 min
Lab File: VD060591.D
Acq: 17 Dec 2018 10:58

Tgt Ion: 106 Resp: 2549958
Ion Ratio Lower Upper
106 100
91 199.0 160.5 240.7

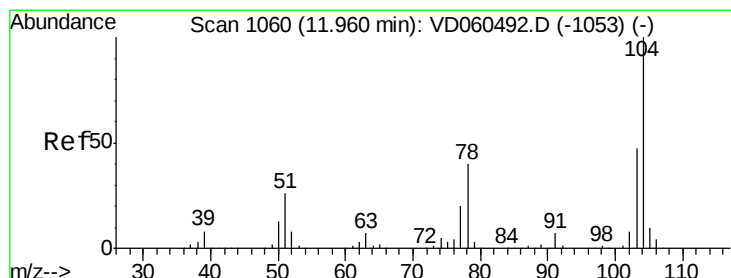
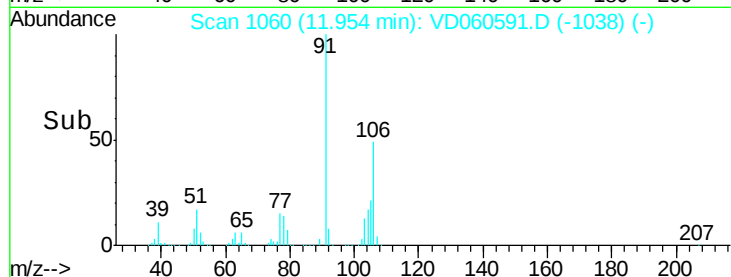
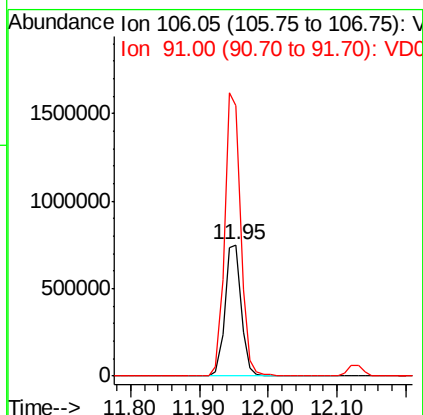
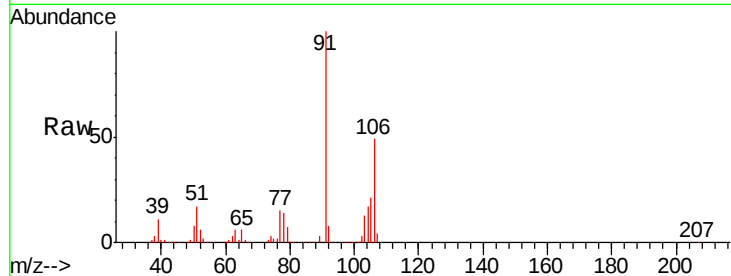




#69
o-Xylene
Concen: 53.158 ug/l
RT: 11.95 min Scan# 1060
Delta R.T. 0.01 min
Lab File: VD060591.D
Acq: 17 Dec 2018 10:58

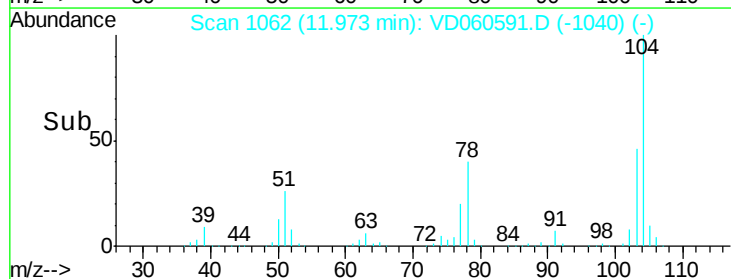
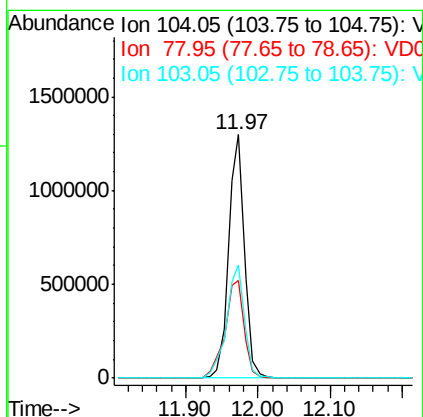
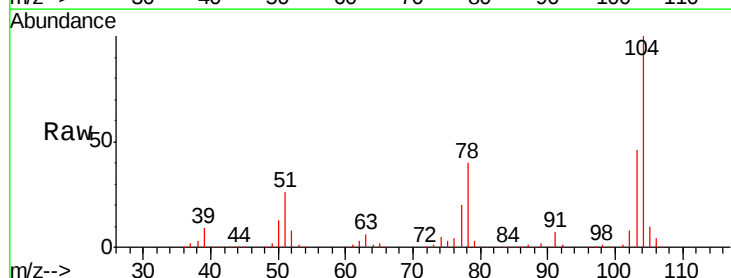
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

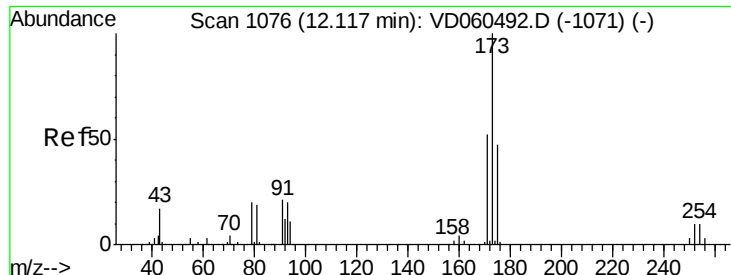
Tgt Ion:106 Resp: 1227030
Ion Ratio Lower Upper
106 100
91 205.5 103.4 310.1



#70
Styrene
Concen: 53.312 ug/l
RT: 11.97 min Scan# 1062
Delta R.T. 0.01 min
Lab File: VD060591.D
Acq: 17 Dec 2018 10:58

Tgt Ion:104 Resp: 1975250
Ion Ratio Lower Upper
104 100
78 40.0 32.1 48.1
103 46.4 37.2 55.8





#71

Bromoform

Concen: 56.513 ug/l

RT: 12.13 min Scan# 1078

Delta R.T. 0.01 min

Lab File: VD060591.D

Acq: 17 Dec 2018 10:58

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

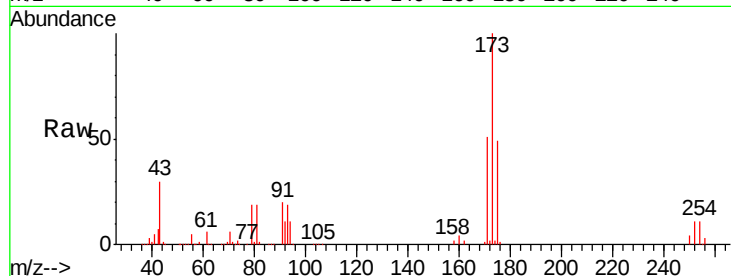
Tgt Ion:173 Resp: 466447

Ion Ratio Lower Upper

173 100

175 49.1 23.5 70.6

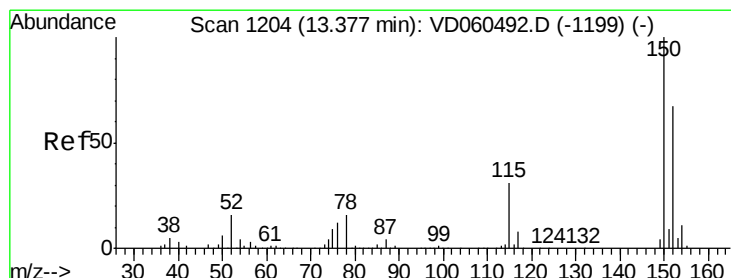
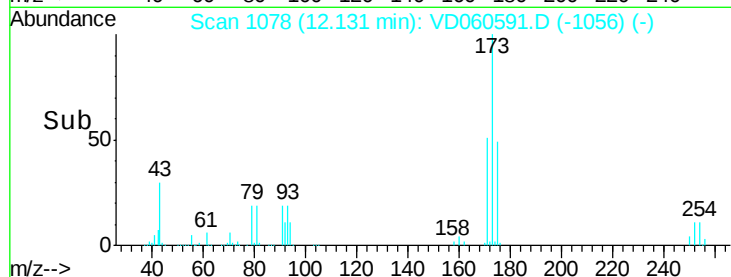
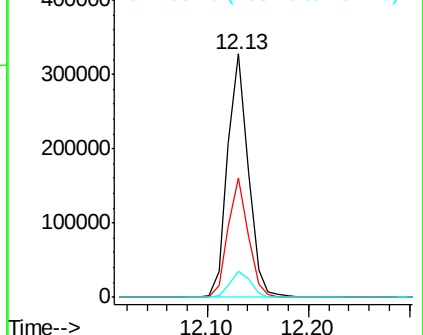
254 10.6 7.8 11.8



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: 13.38 min Scan# 1205

Delta R.T. 0.00 min

Lab File: VD060591.D

Acq: 17 Dec 2018 10:58

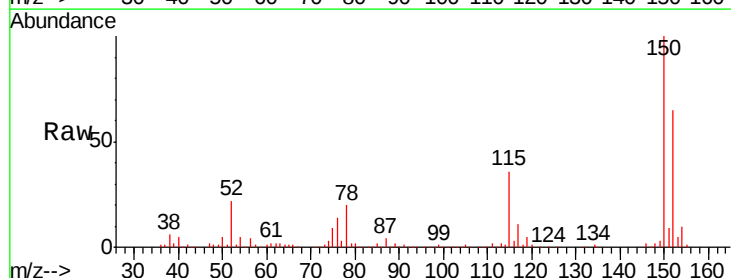
Tgt Ion:152 Resp: 925238

Ion Ratio Lower Upper

152 100

115 54.6 24.6 74.0

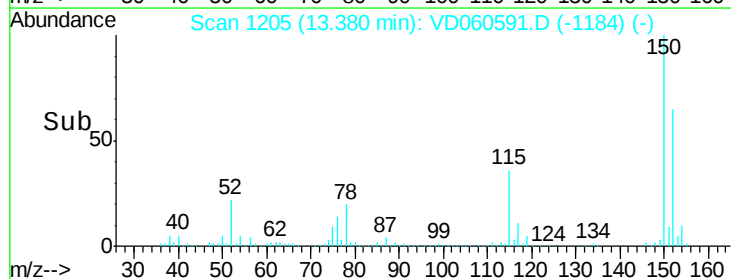
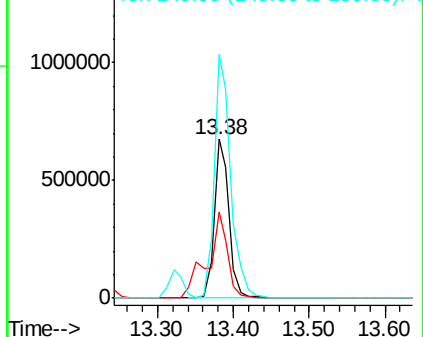
150 153.5 0.0 309.0

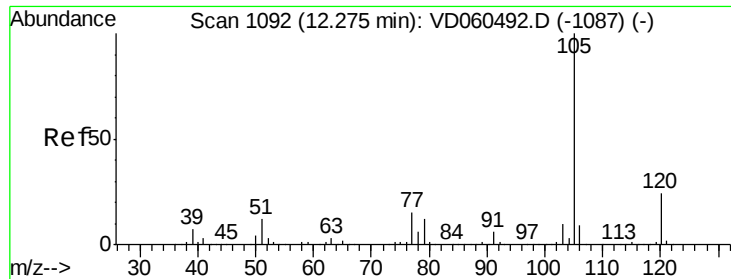


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 115.00 (114.70 to 115.70): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 51.355 ug/l

RT: 12.29 min Scan# 1094

Delta R.T. 0.01 min

Lab File: VD060591.D

Acq: 17 Dec 2018 10:58

Instrument :

MSVOA_D

ClientSampleId :

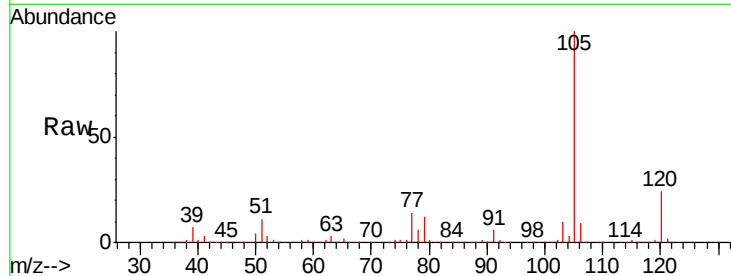
VSTDCCC050

Tgt Ion:105 Resp: 3362377

Ion Ratio Lower Upper

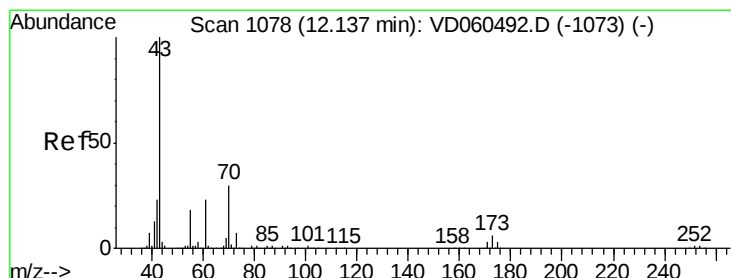
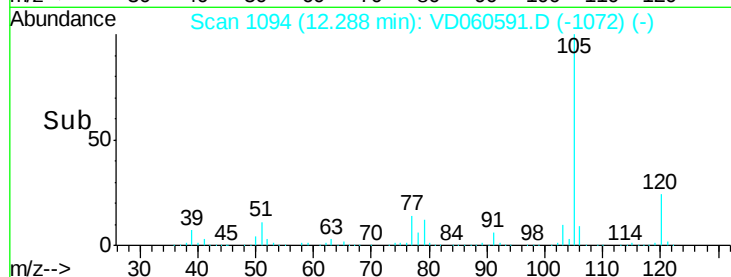
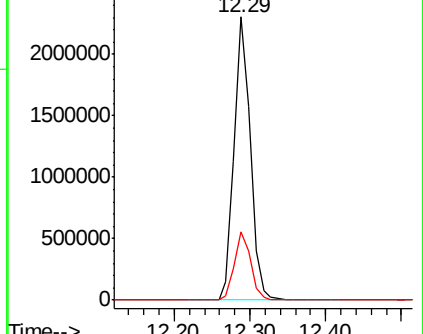
105 100

120 24.3 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: 54.190 ug/l

RT: 12.15 min Scan# 1080

Delta R.T. 0.01 min

Lab File: VD060591.D

Acq: 17 Dec 2018 10:58

Tgt Ion: 43 Resp: 857480

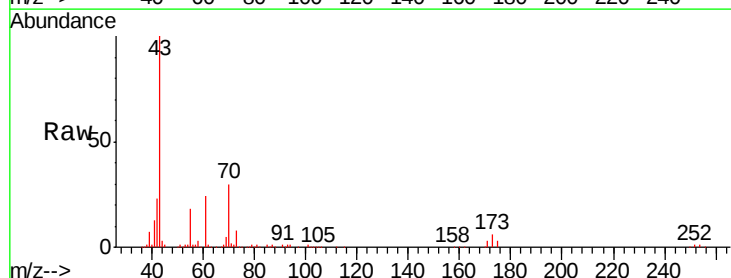
Ion Ratio Lower Upper

43 100

70 30.1 23.8 35.8

55 17.9 14.2 21.2

61 23.6 18.1 27.1

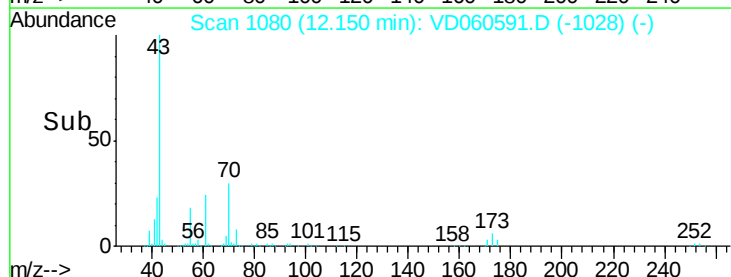
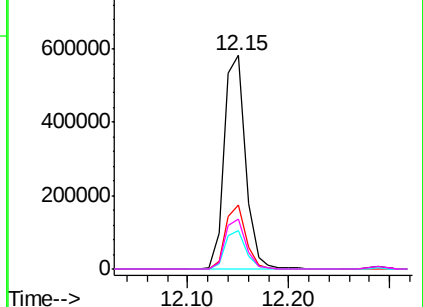


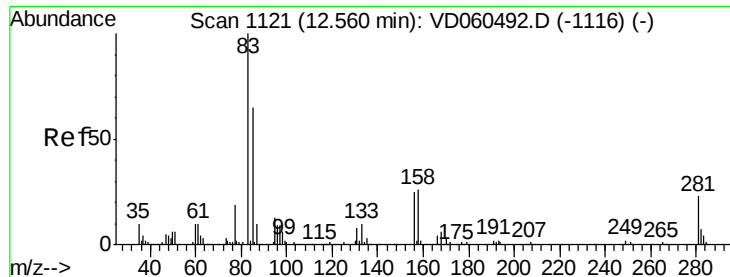
Abundance Ion 42.95 (42.65 to 43.65): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 60.95 (60.65 to 61.65): V





#75

1,1,2,2-Tetrachloroethane

Concen: 53.820 ug/l

RT: 12.57 min Scan# 1123

Delta R.T. 0.01 min

Lab File: VD060591.D

Acq: 17 Dec 2018 10:58

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

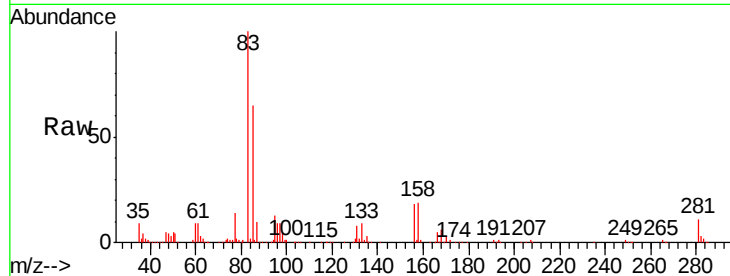
Tgt Ion: 83 Resp: 564134

Ion Ratio Lower Upper

83 100

131 8.3 3.8 11.4

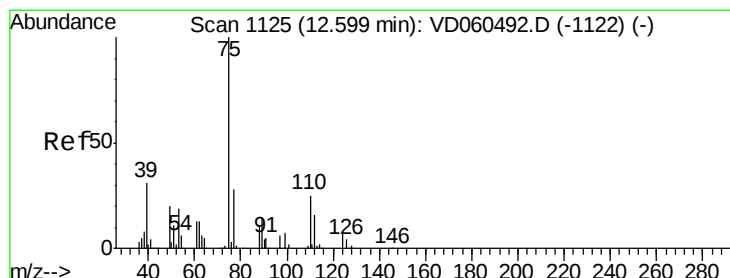
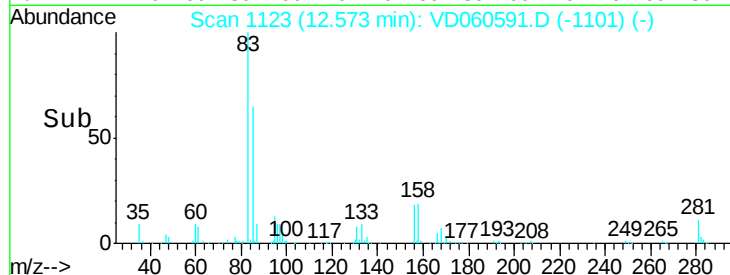
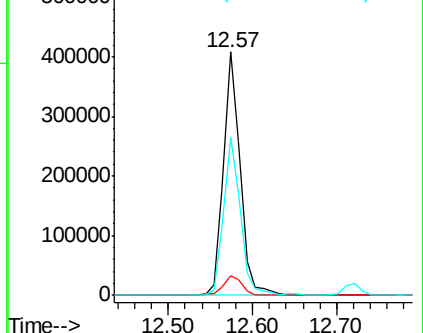
85 64.8 32.3 96.9



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: 53.536 ug/l

RT: 12.61 min Scan# 1127

Delta R.T. 0.01 min

Lab File: VD060591.D

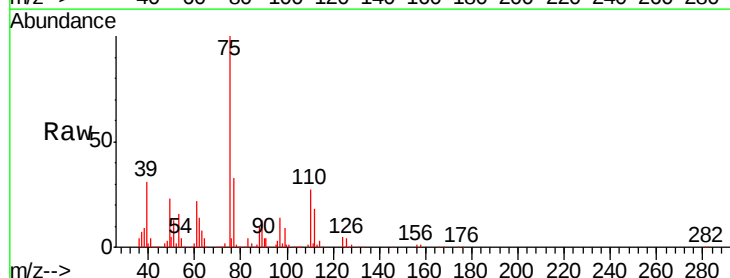
Acq: 17 Dec 2018 10:58

Tgt Ion: 75 Resp: 561241

Ion Ratio Lower Upper

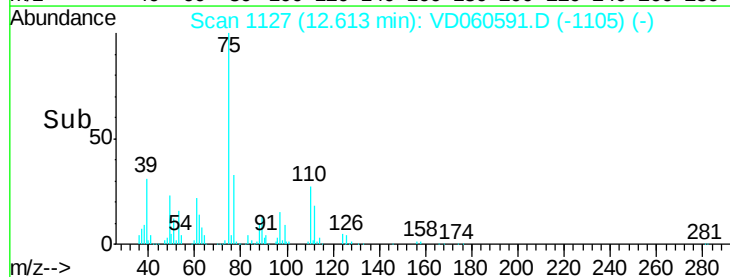
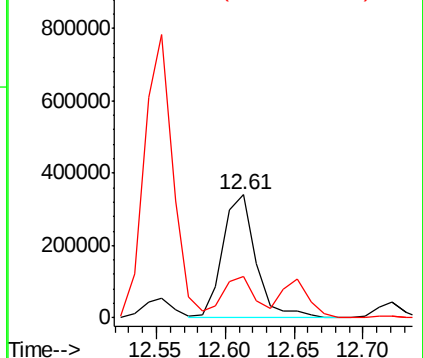
75 100

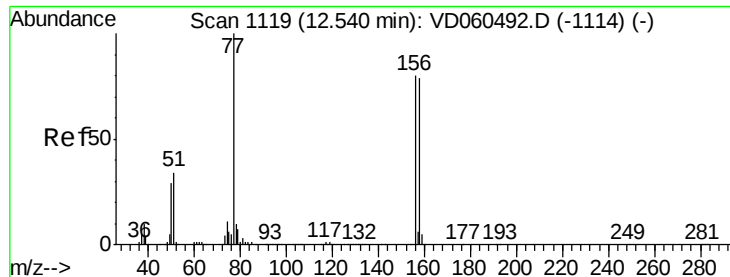
77 33.4 16.4 49.4



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

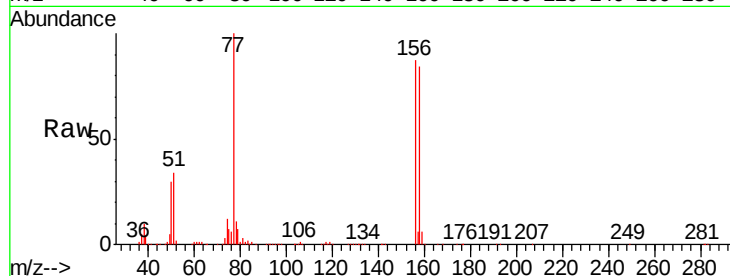




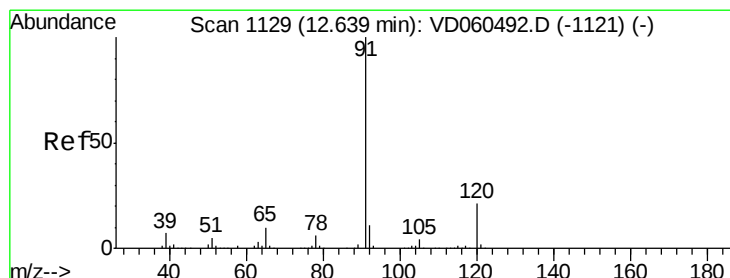
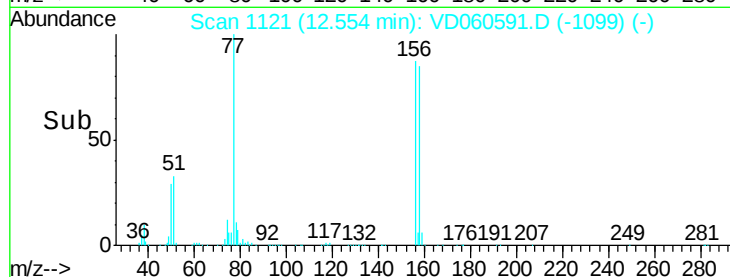
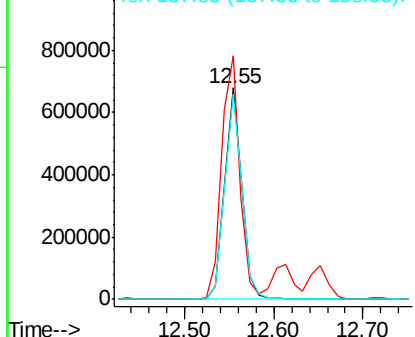
#77
Bromobenzene
Concen: 54.490 ug/l
RT: 12.55 min Scan# 1121
Delta R.T. 0.01 min
Lab File: VD060591.D
Acq: 17 Dec 2018 10:58

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tgt Ion: 156 Resp: 937778
Ion Ratio Lower Upper
156 100
77 115.3 62.5 187.6
158 97.2 49.4 148.2

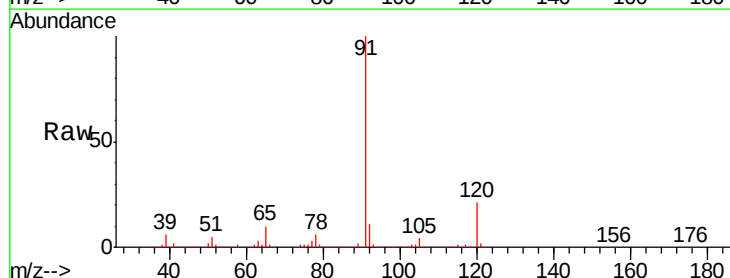


Abundance Ion 155.90 (155.60 to 156.60): V
Ion 76.95 (76.65 to 77.65): VDC
Ion 157.85 (157.55 to 158.55): V

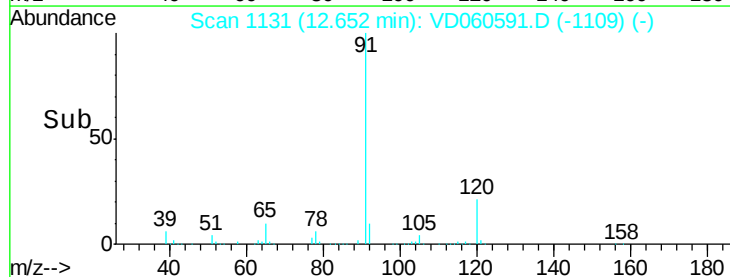
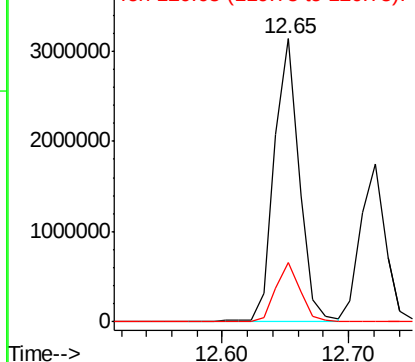


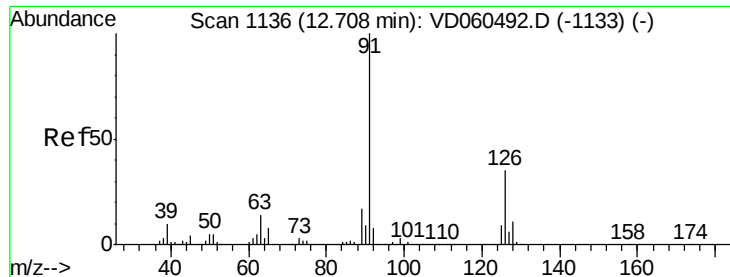
#78
n-propylbenzene
Concen: 52.328 ug/l
RT: 12.65 min Scan# 1131
Delta R.T. 0.01 min
Lab File: VD060591.D
Acq: 17 Dec 2018 10:58

Tgt Ion: 91 Resp: 4330908
Ion Ratio Lower Upper
91 100
120 21.2 10.4 31.1



Abundance Ion 91.00 (90.70 to 91.70): VDC
Ion 120.05 (119.75 to 120.75): V





#79

2-Chlorotoluene

Concen: 53.020 ug/l

RT: 12.72 min Scan# 1138

Delta R.T. 0.01 min

Lab File: VD060591.D

Acq: 17 Dec 2018 10:58

Instrument :

MSVOA_D

ClientSampleId :

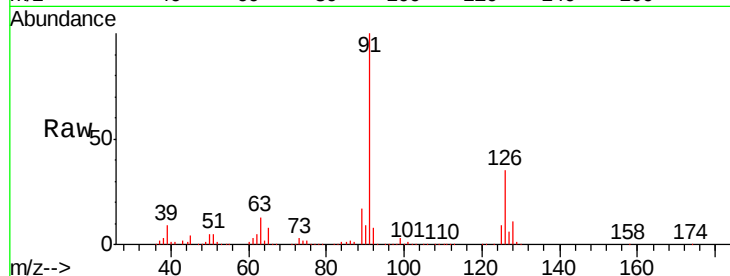
VSTDCCC050

Tgt Ion: 91 Resp: 2381169

Ion Ratio Lower Upper

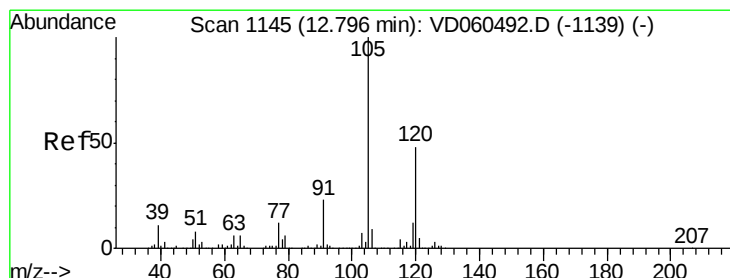
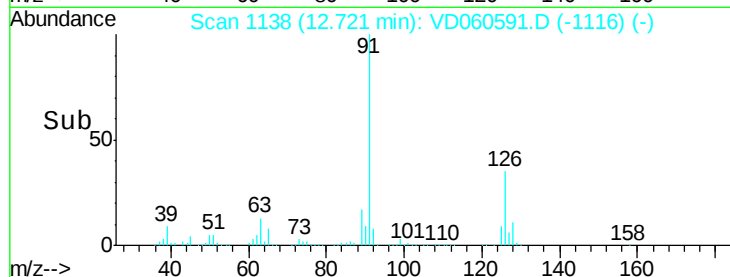
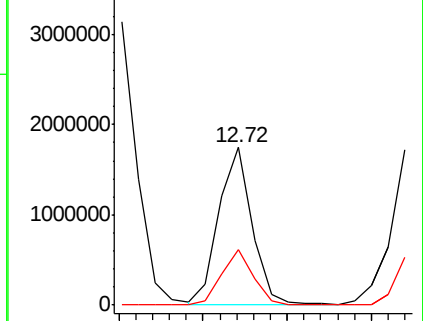
91 100

126 35.1 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: 52.105 ug/l

RT: 12.81 min Scan# 1147

Delta R.T. 0.01 min

Lab File: VD060591.D

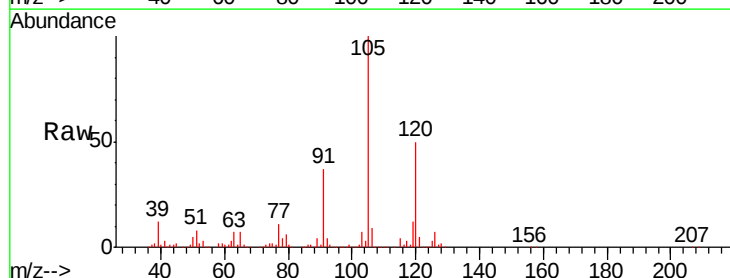
Acq: 17 Dec 2018 10:58

Tgt Ion: 105 Resp: 2606771

Ion Ratio Lower Upper

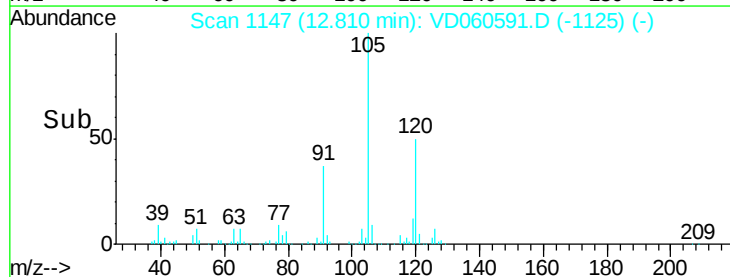
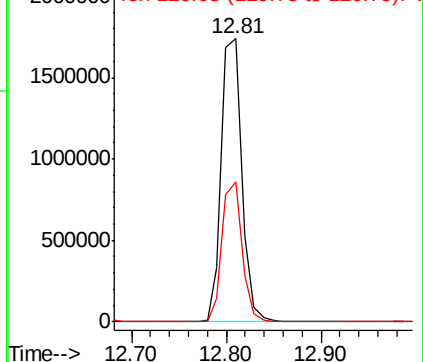
105 100

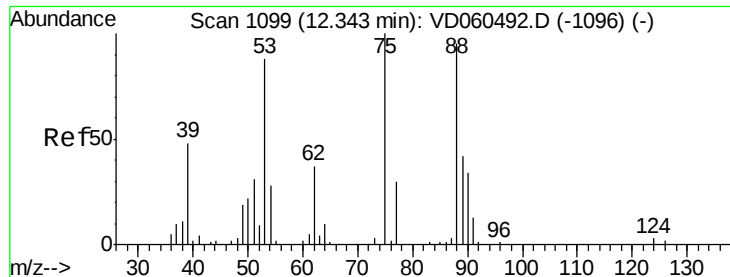
120 49.6 24.2 72.6



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: 56.004 ug/l

RT: 12.36 min Scan# 1101

Delta R.T. 0.01 min

Lab File: VD060591.D

Acq: 17 Dec 2018 10:58

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

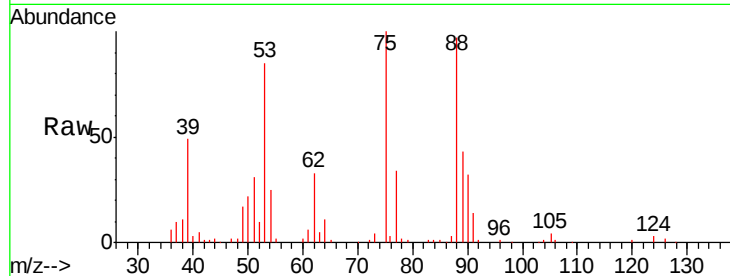
Tgt Ion: 75 Resp: 163749

Ion Ratio Lower Upper

75 100

53 85.5 70.5 105.7

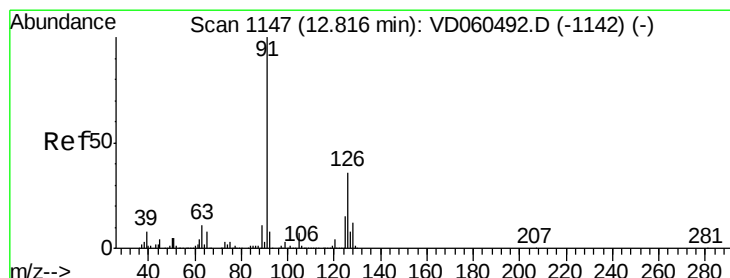
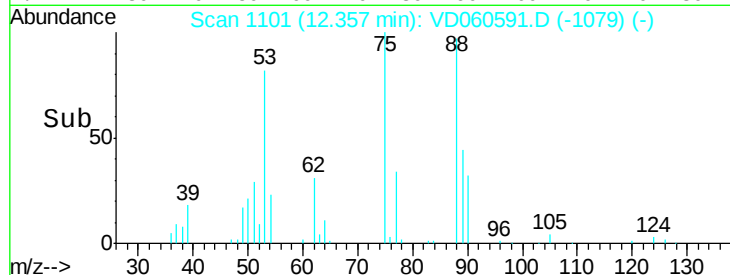
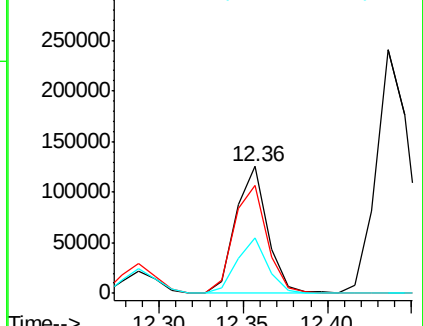
89 43.3 33.6 50.4



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 89.00 (88.70 to 89.70): VDC



#82

4-Chlorotoluene

Concen: 51.208 ug/l

RT: 12.82 min Scan# 1148

Delta R.T. 0.00 min

Lab File: VD060591.D

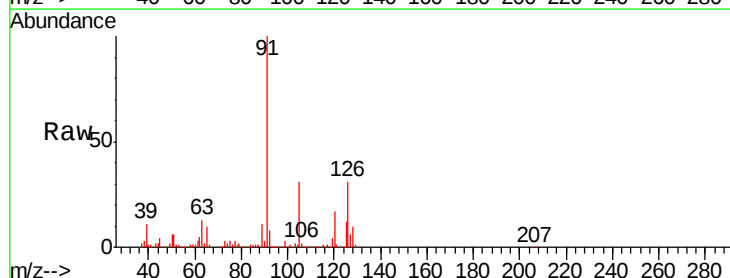
Acq: 17 Dec 2018 10:58

Tgt Ion: 91 Resp: 2582989

Ion Ratio Lower Upper

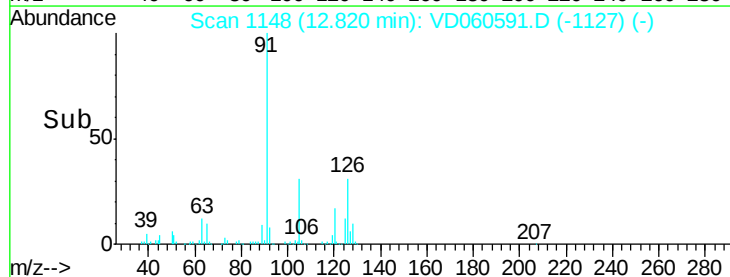
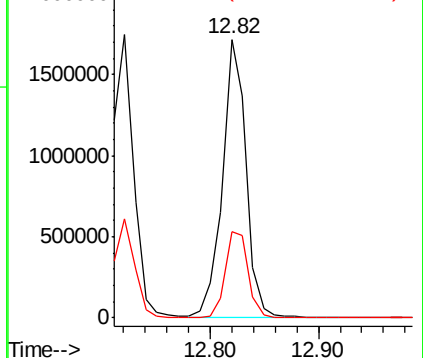
91 100

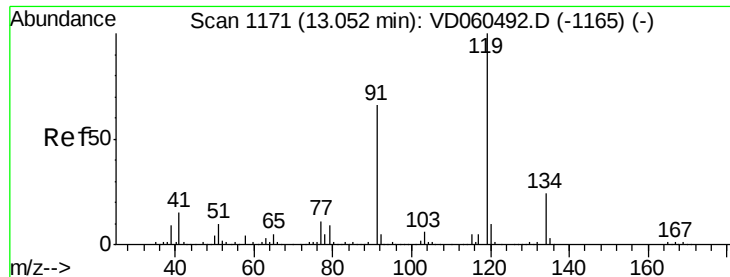
126 31.2 17.8 53.4



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.95 (125.65 to 126.65): V



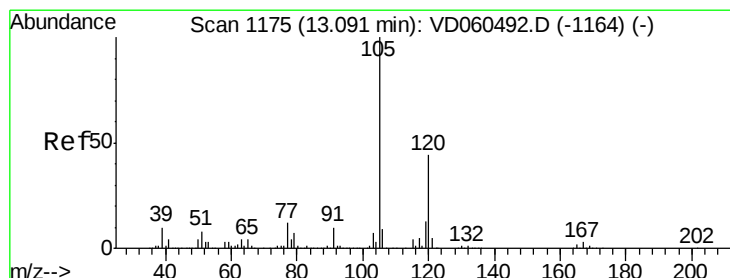
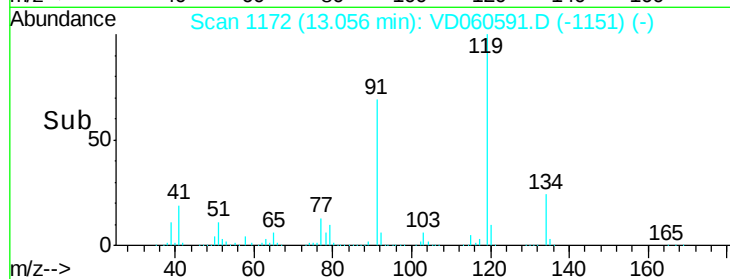
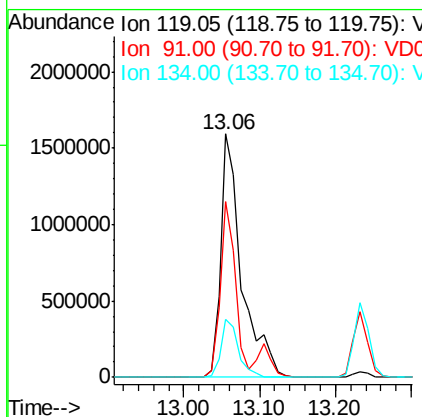
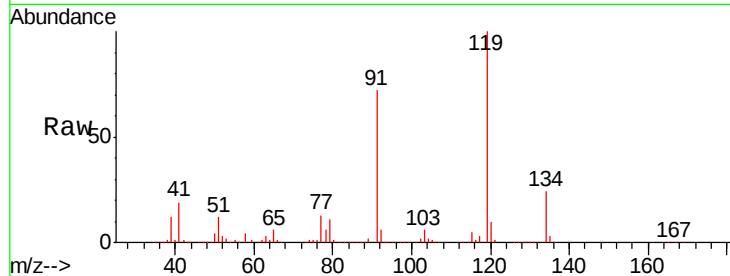


#83
 tert-Butylbenzene
 Concen: 55.237 ug/l
 RT: 13.06 min Scan# 1172
 Delta R.T. 0.00 min
 Lab File: VD060591.D
 Acq: 17 Dec 2018 10:58

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tgt Ion:119 Resp: 3098507

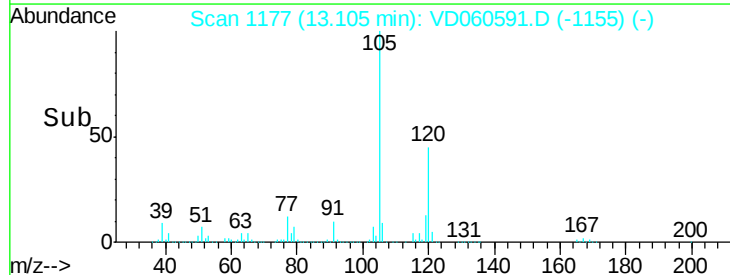
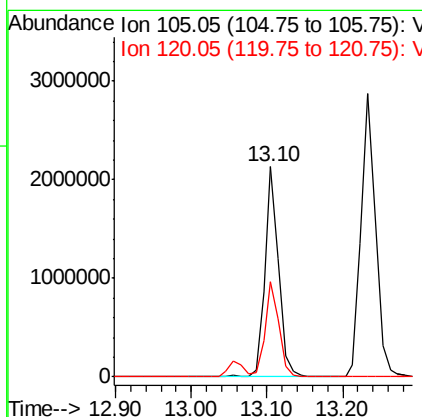
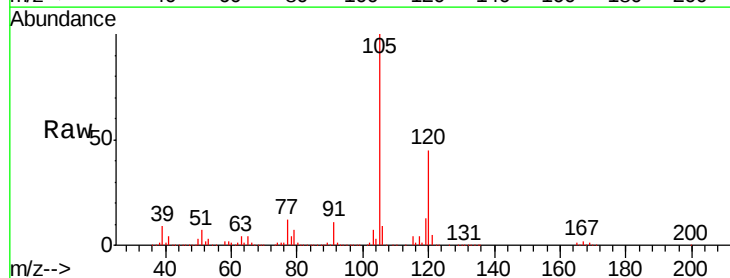
Ion	Ratio	Lower	Upper
119	100		
91	72.3	33.1	99.2
134	23.9	12.0	36.0

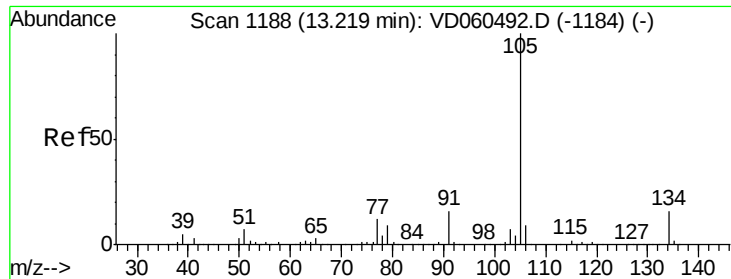


#84
 1,2,4-Trimethylbenzene
 Concen: 52.479 ug/l
 RT: 13.10 min Scan# 1177
 Delta R.T. 0.01 min
 Lab File: VD060591.D
 Acq: 17 Dec 2018 10:58

Tgt Ion:105 Resp: 2718540

Ion	Ratio	Lower	Upper
105	100		
120	45.3	22.3	66.8





#85

sec-Butylbenzene

Concen: 53.997 ug/l

RT: 13.23 min Scan# 1190

Delta R.T. 0.01 min

Lab File: VD060591.D

Acq: 17 Dec 2018 10:58

Instrument :

MSVOA_D

ClientSampleId :

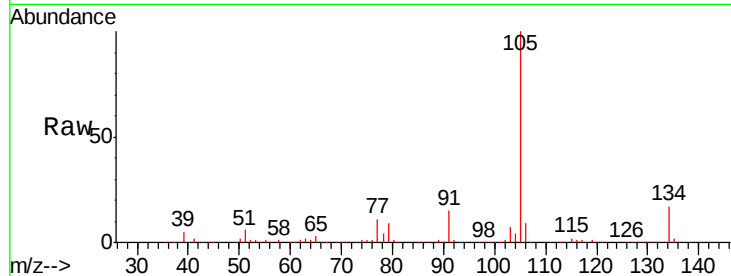
VSTDCCC050

Tgt Ion:105 Resp: 3775193

Ion Ratio Lower Upper

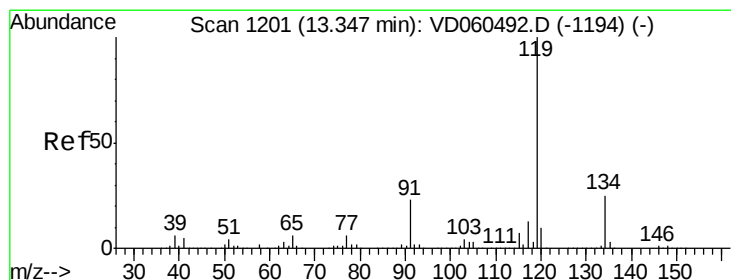
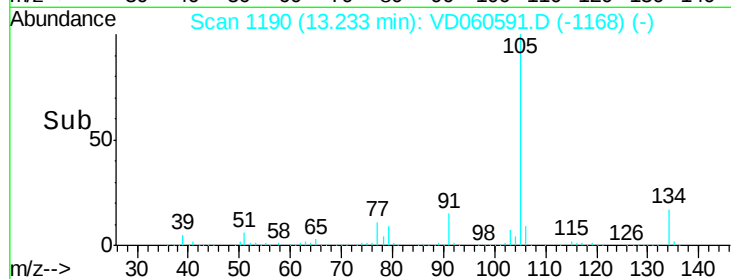
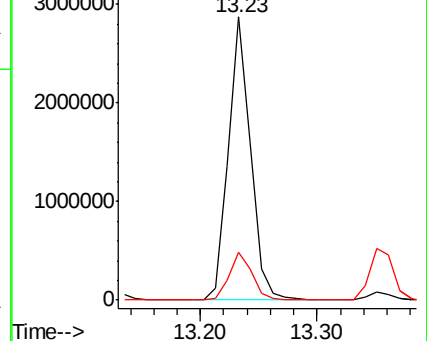
105 100

134 17.1 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: 53.604 ug/l

RT: 13.35 min Scan# 1202

Delta R.T. 0.00 min

Lab File: VD060591.D

Acq: 17 Dec 2018 10:58

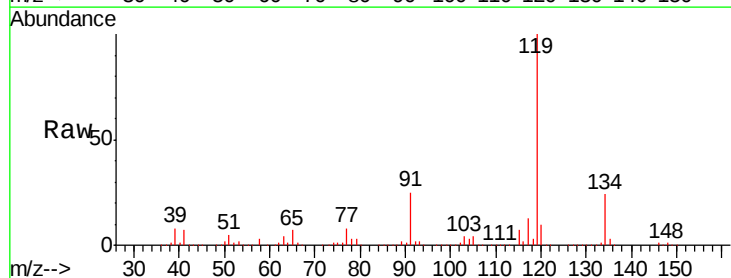
Tgt Ion:119 Resp: 2970863

Ion Ratio Lower Upper

119 100

134 24.1 12.5 37.5

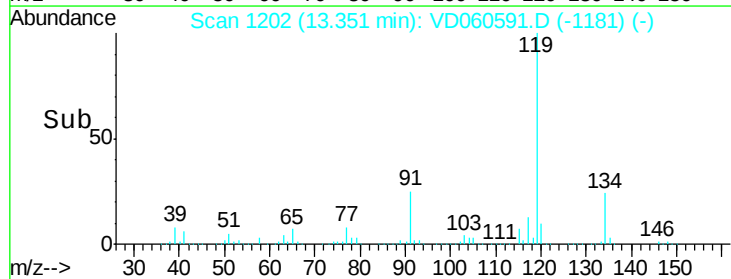
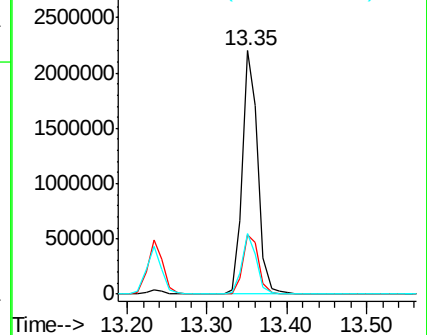
91 24.7 11.5 34.4

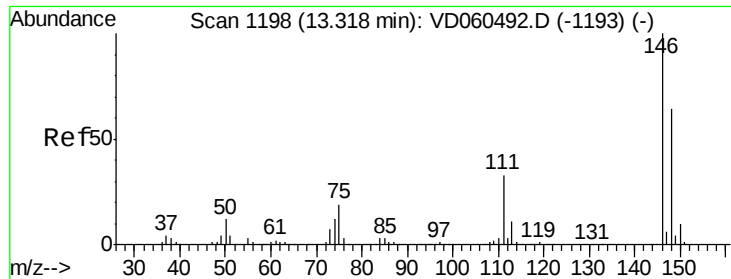


Abundance Ion 119.05 (118.75 to 119.75): V

Ion 134.10 (133.80 to 134.80): V

Ion 91.00 (90.70 to 91.70): V

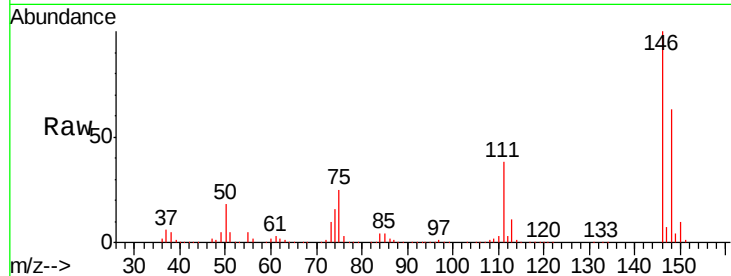




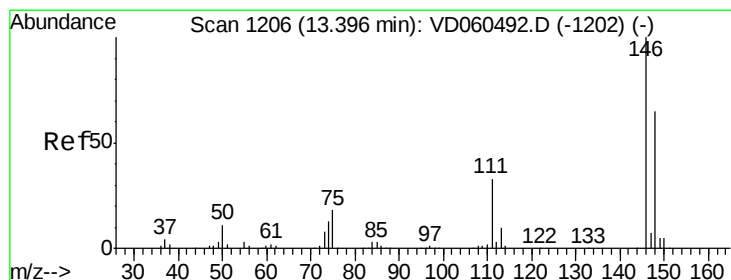
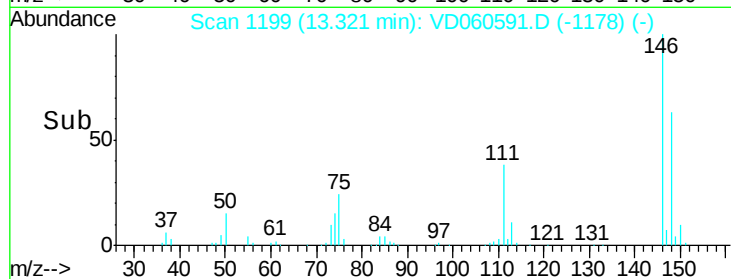
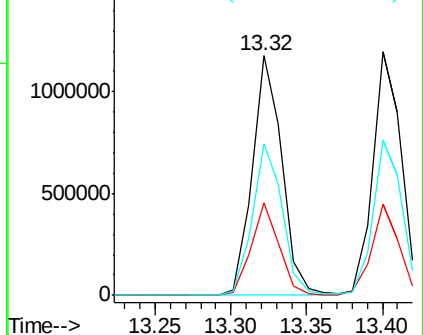
#87
 1,3-Dichlorobenzene
 Concen: 51.327 ug/l
 RT: 13.32 min Scan# 1199
 Delta R.T. 0.00 min
 Lab File: VD060591.D
 Acq: 17 Dec 2018 10:58

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tgt Ion:146 Resp: 1599376
 Ion Ratio Lower Upper
 146 100
 111 38.4 16.5 49.5
 148 63.3 32.3 96.8

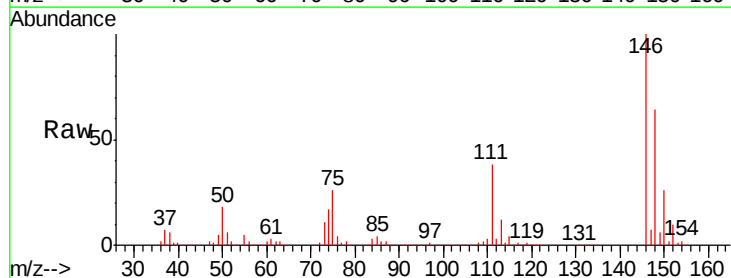


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

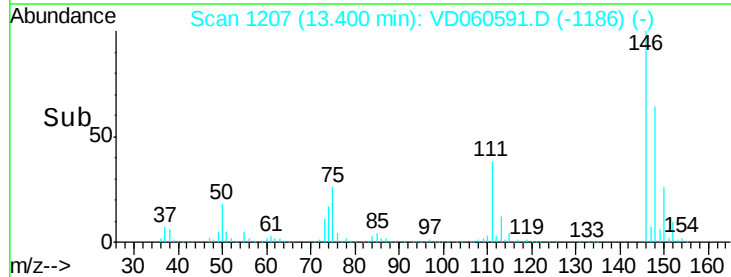
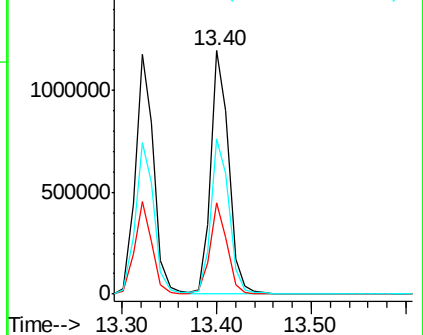


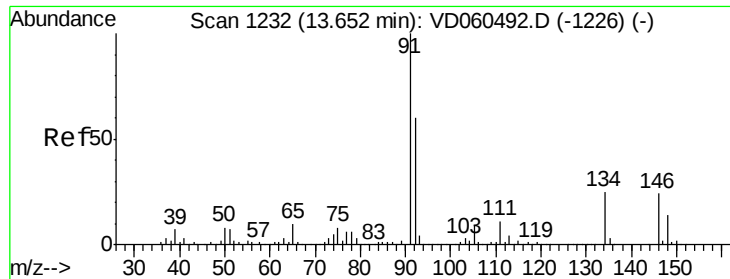
#88
 1,4-Dichlorobenzene
 Concen: 52.182 ug/l
 RT: 13.40 min Scan# 1207
 Delta R.T. 0.00 min
 Lab File: VD060591.D
 Acq: 17 Dec 2018 10:58

Tgt Ion:146 Resp: 1595129
 Ion Ratio Lower Upper
 146 100
 111 37.6 16.4 49.1
 148 64.0 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

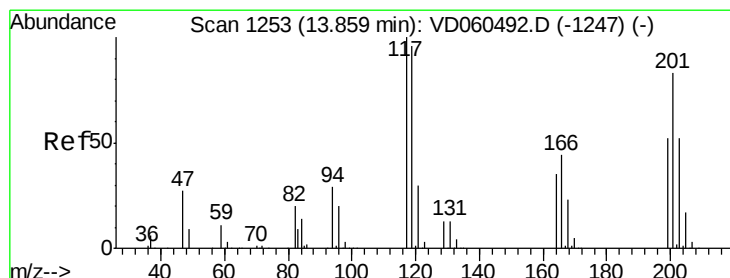
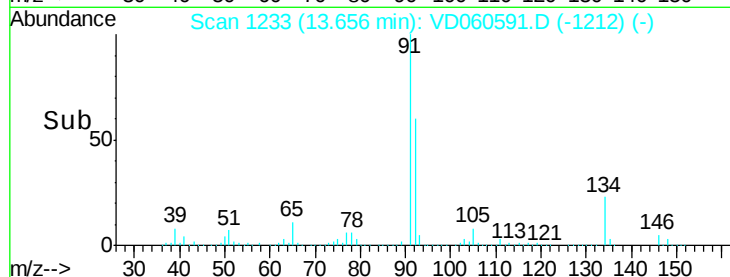
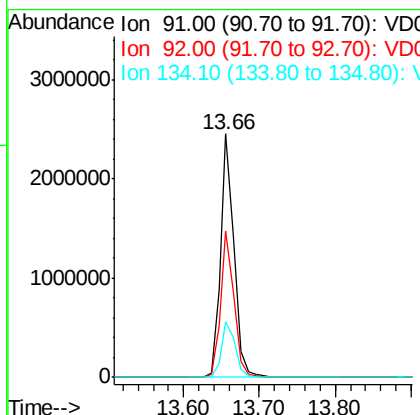
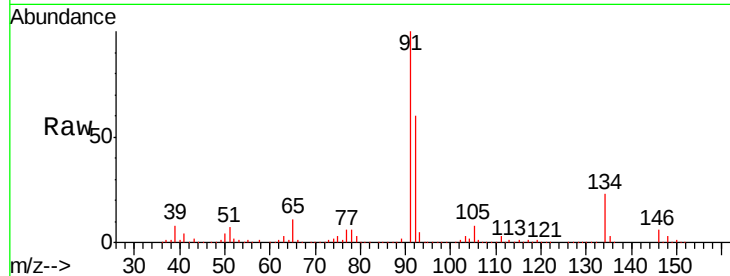




#89
n-Butylbenzene
Concen: 57.904 ug/l
RT: 13.66 min Scan# 1233
Delta R.T. 0.00 min
Lab File: VD060591.D
Acq: 17 Dec 2018 10:58

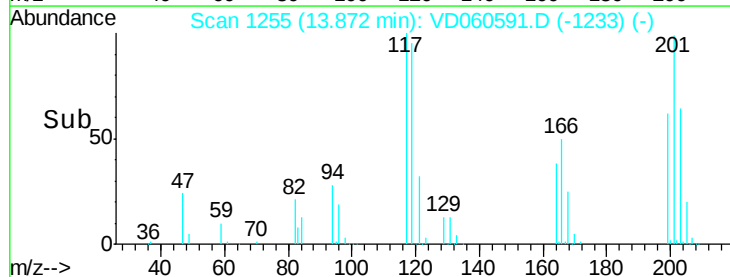
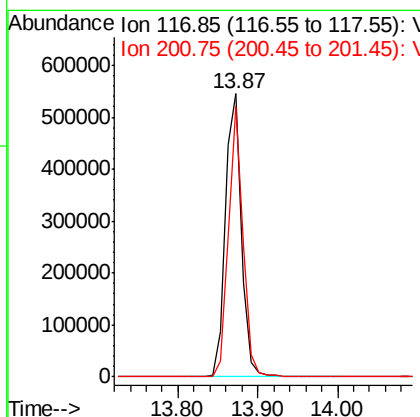
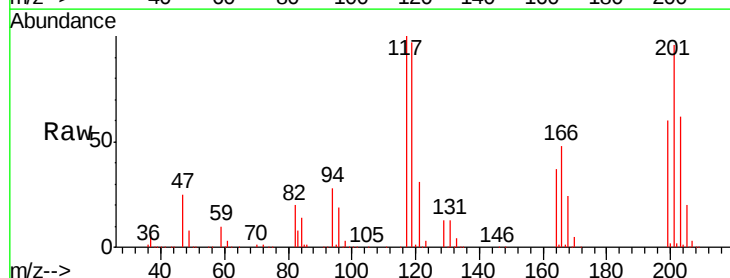
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

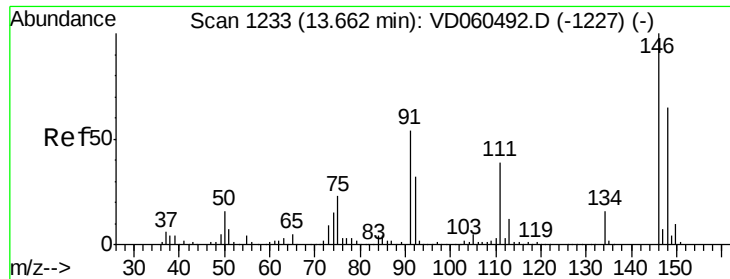
Tgt Ion: 91 Resp: 3078052
Ion Ratio Lower Upper
91 100
92 60.2 30.0 90.1
134 22.6 12.5 37.5



#90
Hexachloroethane
Concen: 55.939 ug/l
RT: 13.87 min Scan# 1255
Delta R.T. 0.01 min
Lab File: VD060591.D
Acq: 17 Dec 2018 10:58

Tgt Ion: 117 Resp: 777319
Ion Ratio Lower Upper
117 100
201 95.8 41.3 123.9

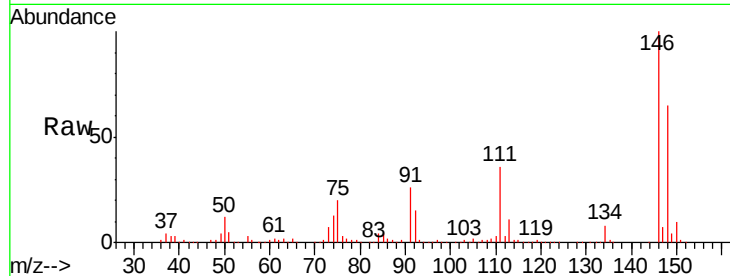




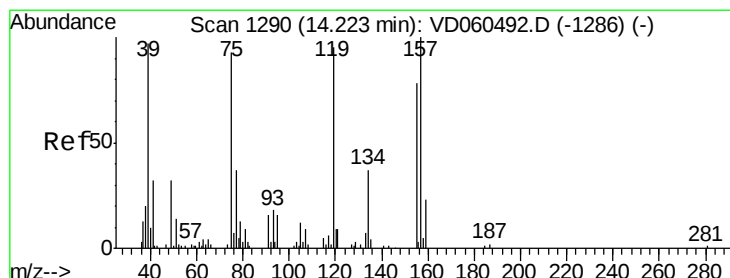
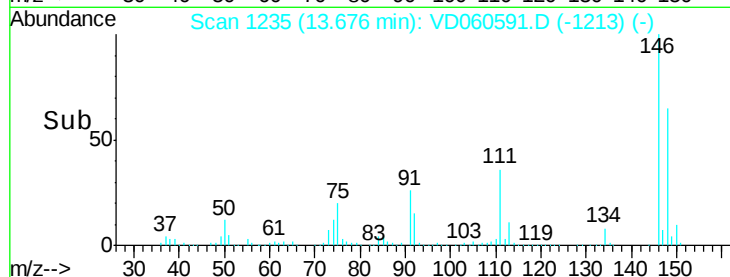
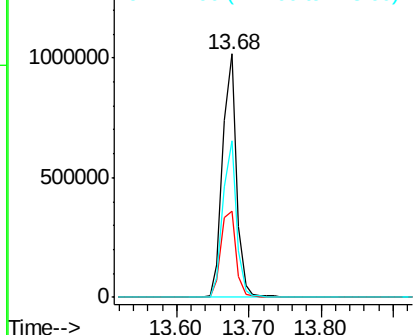
#91
 1,2-Dichlorobenzene
 Concen: 52.911 ug/l
 RT: 13.68 min Scan# 1235
 Delta R.T. 0.01 min
 Lab File: VD060591.D
 Acq: 17 Dec 2018 10:58

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tgt Ion:146 Resp: 1347383
 Ion Ratio Lower Upper
 146 100
 111 35.6 19.3 57.8
 148 64.6 32.3 96.8

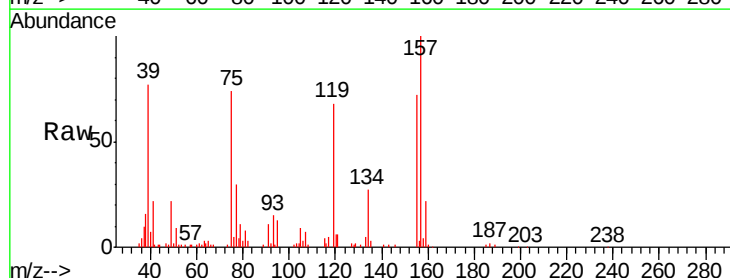


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

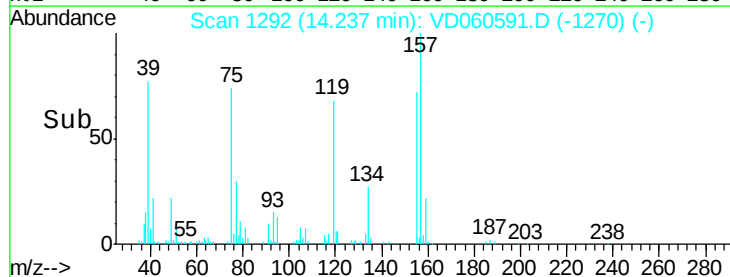
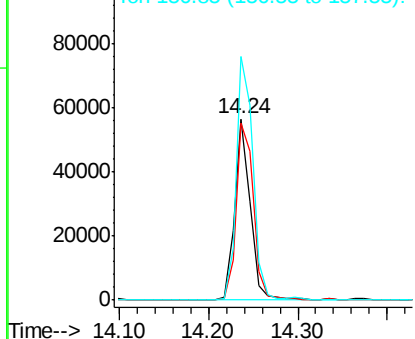


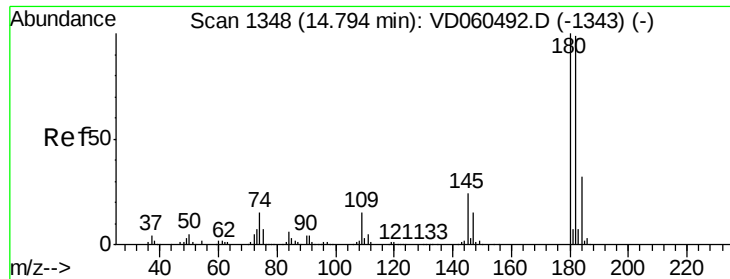
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 55.640 ug/l
 RT: 14.24 min Scan# 1292
 Delta R.T. 0.01 min
 Lab File: VD060591.D
 Acq: 17 Dec 2018 10:58

Tgt Ion: 75 Resp: 70666
 Ion Ratio Lower Upper
 75 100
 155 97.6 41.6 124.9
 157 134.6 53.6 160.8



Abundance Ion 75.00 (74.70 to 75.70): V
 Ion 154.90 (154.60 to 155.60): V
 Ion 156.85 (156.55 to 157.55): V

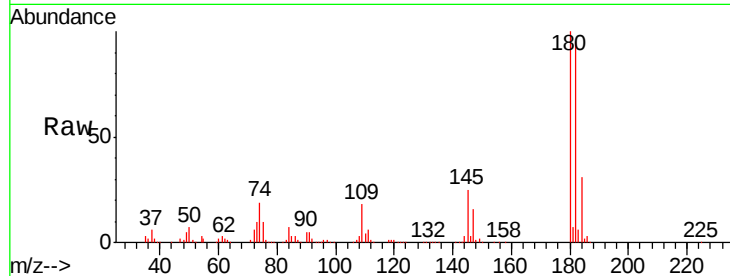




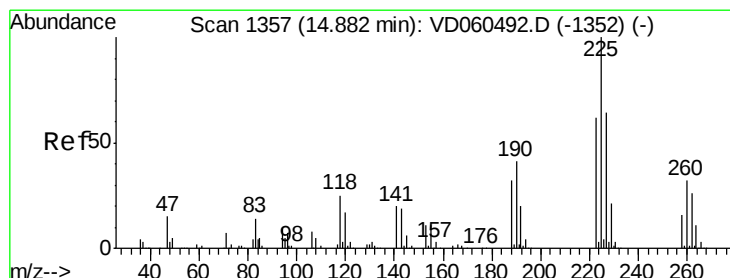
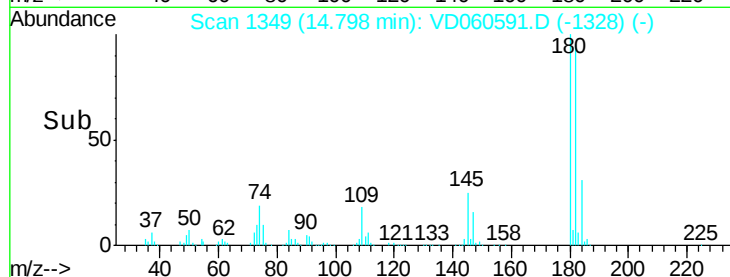
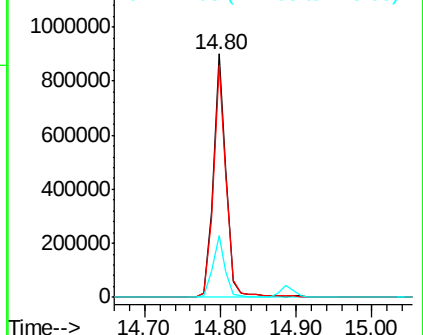
#93
 1,2,4-Trichlorobenzene
 Concen: 55.044 ug/l
 RT: 14.80 min Scan# 1349
 Delta R.T. 0.00 min
 Lab File: VD060591.D
 Acq: 17 Dec 2018 10:58

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tgt Ion:180 Resp: 1095738
 Ion Ratio Lower Upper
 180 100
 182 95.2 49.4 148.0
 145 25.2 11.9 35.9

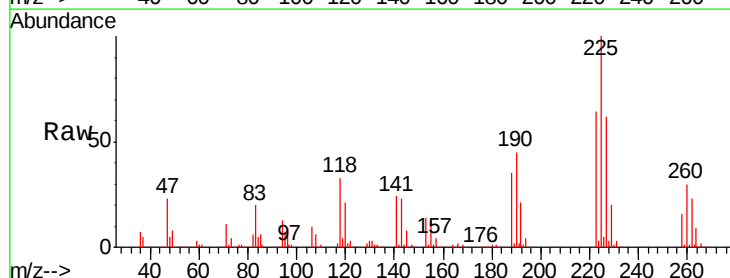


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

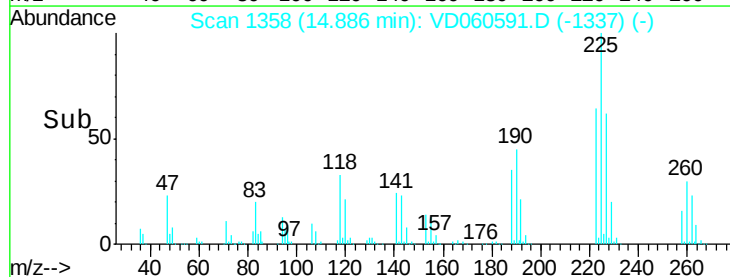
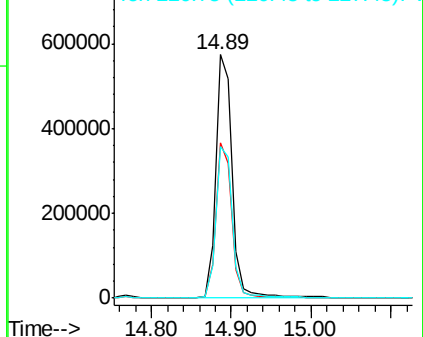


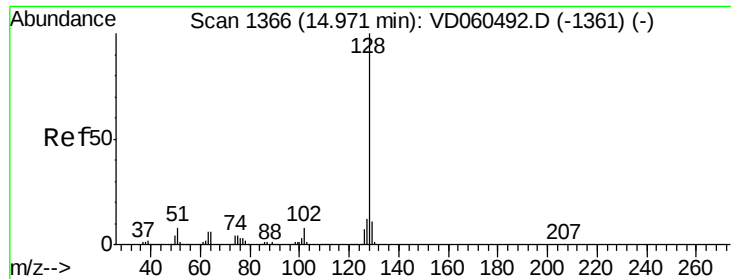
#94
 Hexachlorobutadiene
 Concen: 56.723 ug/l
 RT: 14.89 min Scan# 1358
 Delta R.T. 0.00 min
 Lab File: VD060591.D
 Acq: 17 Dec 2018 10:58

Tgt Ion:225 Resp: 833102
 Ion Ratio Lower Upper
 225 100
 223 64.0 31.2 93.6
 227 62.1 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

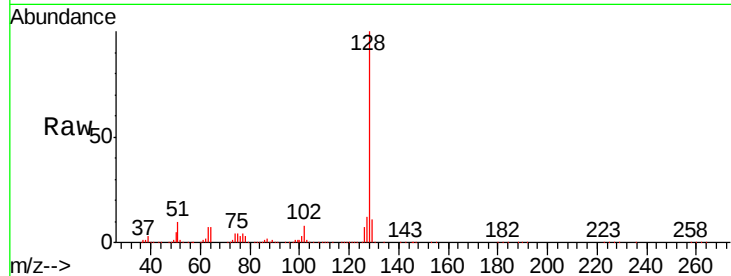




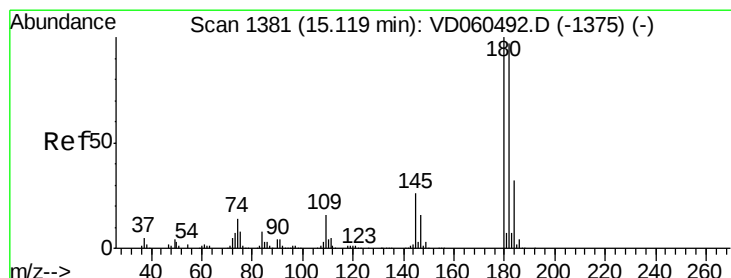
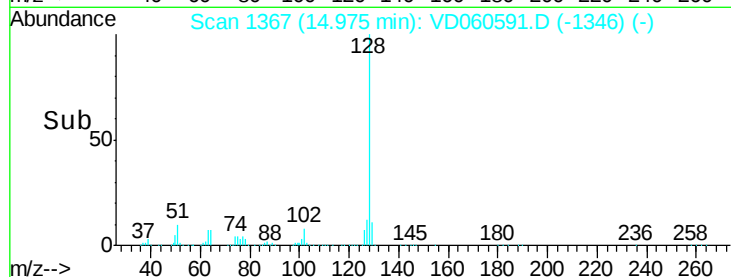
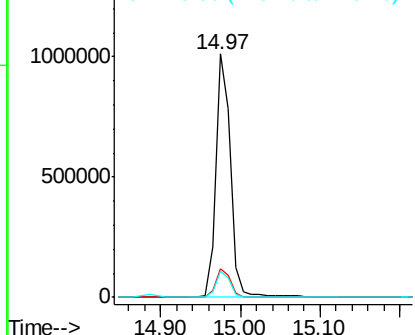
#95
Naphthalene
Concen: 55.634 ug/l
RT: 14.97 min Scan# 1367
Delta R.T. 0.00 min
Lab File: VD060591.D
Acq: 17 Dec 2018 10:58

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tgt Ion:128 Resp: 1317520
Ion Ratio Lower Upper
128 100
127 11.9 9.8 14.8
129 10.9 8.6 13.0

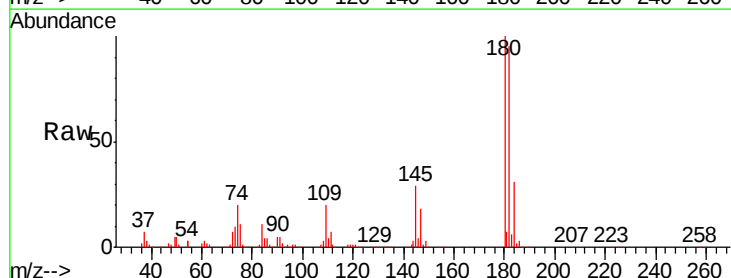


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 53.988 ug/l
RT: 15.12 min Scan# 1382
Delta R.T. 0.00 min
Lab File: VD060591.D
Acq: 17 Dec 2018 10:58

Tgt Ion:180 Resp: 856338
Ion Ratio Lower Upper
180 100
182 95.1 48.5 145.5
145 28.8 12.9 38.7



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

