

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD031919\
 Data File : VD061177.D
 Acq On : 19 Mar 2019 11:14
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Quant Time: Mar 19 11:40:16 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D030719S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 08 02:35:39 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.03	168	688761	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	8.20	114	1202051	50.00	ug/l	-0.01
63) Chlorobenzene-d5	12.36	117	918698	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.51	152	446392	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.44	65	283786	49.50	ug/l	-0.01
Spiked Amount			Recovery	=	99.00%	
35) Dibromofluoromethane	6.91	113	443743	49.74	ug/l	-0.01
Spiked Amount			Recovery	=	99.48%	
50) Toluene-d8	10.40	98	1045464	46.67	ug/l	0.00
Spiked Amount			Recovery	=	93.34%	
62) 4-Bromofluorobenzene	13.55	95	417876	48.07	ug/l	0.00
Spiked Amount			Recovery	=	96.14%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.58	85	314050	46.031	ug/l	100
3) Chloromethane	1.76	50	236606	41.631	ug/l	97
4) Vinyl Chloride	1.85	62	244679	46.591	ug/l	96
5) Bromomethane	2.15	94	54202	60.832	ug/l	86
6) Chloroethane	2.27	64	86228	54.855	ug/l	91
7) Trichlorofluoromethane	2.53	101	376980	49.969	ug/l	96
8) Diethyl Ether	2.87	74	131935	53.011	ug/l	92
9) 1,1,2-Trichlorotrifluoroet	3.15	101	435507	51.634	ug/l	95
10) Methyl Iodide	3.30	142	601499	51.679	ug/l	99
11) Tert butyl alcohol	4.05	59	93944	257.393	ug/l	97
12) 1,1-Dichloroethene	3.12	96	340539	49.255	ug/l	95
13) Acrolein	3.03	56	99286	188.007	ug/l	99
14) Allyl chloride	3.62	41	514231	46.486	ug/l	95
15) Acrylonitrile	4.19	53	315542	244.613	ug/l	99
16) Acetone	3.21	43	458446	279.635	ug/l	97
17) Carbon Disulfide	3.37	76	1076717	46.167	ug/l	99
18) Methyl Acetate	3.63	43	171740	53.230	ug/l #	89
19) Methyl tert-butyl Ether	4.22	73	626620	51.716	ug/l	95
20) Methylene Chloride	3.80	84	394927	53.123	ug/l	98
21) trans-1,2-Dichloroethene	4.21	96	357656	47.794	ug/l	99
22) Diisopropyl ether	5.11	45	1106905	48.203	ug/l	98
23) Vinyl Acetate	5.04	43	2965206	251.539	ug/l	99
24) 1,1-Dichloroethane	4.97	63	660637	52.507	ug/l	99
25) 2-Butanone	6.06	43	496379	266.825	ug/l	100
26) 2,2-Dichloropropane	6.01	77	515770	52.512	ug/l	100
27) cis-1,2-Dichloroethene	6.02	96	399479	50.315	ug/l	97
28) Bromochloromethane	6.42	49	251923	47.297	ug/l	98
29) Tetrahydrofuran	6.43	42	219263	217.060	ug/l	94
30) Chloroform	6.65	83	699159	53.617	ug/l	100
31) Cyclohexane	6.94	56	497579	49.047	ug/l	96
32) 1,1,1-Trichloroethane	6.86	97	575469	51.045	ug/l	98
36) 1,1-Dichloropropene	7.13	75	471799	45.534	ug/l	100
37) Ethyl Acetate	6.17	43	216799	44.588	ug/l	97
38) Carbon Tetrachloride	7.10	117	621216	54.428	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.85	83	513818	47.823	ug/l	98
40) Benzene	7.44	78	1224646	47.300	ug/l	100
41) Methacrylonitrile	6.43	41	254261	45.463	ug/l	94
42) 1,2-Dichloroethane	7.56	62	386102	51.388	ug/l	99
43) Isopropyl Acetate	9.23	43	320335	47.567	ug/l #	96
44) Trichloroethene	8.53	130	431924	48.356	ug/l	94
45) 1,2-Dichloropropane	8.92	63	297554	43.745	ug/l	98
46) Dibromomethane	9.05	93	211423	49.000	ug/l	99
47) Bromodichloromethane	9.36	83	491871	50.518	ug/l	99
48) Methyl methacrylate	9.11	41	166997	44.043	ug/l	100
49) 1,4-Dioxane	9.06	88	36435	950.280	ug/l	90
51) 4-Methyl-2-Pentanone	10.29	43	968534	234.756	ug/l	99
52) Toluene	10.50	92	660346	41.016	ug/l	96
53) t-1,3-Dichloropropene	10.90	75	439044	49.314	ug/l	97
54) cis-1,3-Dichloropropene	10.03	75	520702	48.676	ug/l	100
55) 1,1,2-Trichloroethane	11.18	97	262861	49.027	ug/l	96
56) Ethyl methacrylate	11.03	69	270005	48.112	ug/l	100
57) 1,3-Dichloropropane	11.39	76	415509	51.859	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.85	63	628895	211.707	ug/l	95
59) 2-Hexanone	11.52	43	704910	233.574	ug/l	97
60) Dibromochloromethane	11.67	129	390862	49.534	ug/l	98
61) 1,2-Dibromoethane	11.80	107	318444	51.057	ug/l	96
64) Tetrachloroethene	11.25	164	323196	52.115	ug/l	97
65) Chlorobenzene	12.39	112	987658	54.838	ug/l	100
66) 1,1,1,2-Tetrachloroethane	12.51	131	356819	55.581	ug/l	98
67) Ethyl Benzene	12.52	91	1333090	49.718	ug/l	99
68) m/p-Xylenes	12.65	106	1099633	104.489	ug/l	96
69) o-Xylene	13.04	106	522830	50.541	ug/l	95
70) Styrene	13.07	104	874888	51.794	ug/l	97
71) Bromoform	13.22	173	232285	56.087	ug/l	100
73) Isopropylbenzene	13.39	105	1340437	41.667	ug/l	99
74) N-amyl acetate	13.25	43	376256	41.536	ug/l	97
75) 1,1,2,2-Tetrachloroethane	13.69	83	286394	45.628	ug/l	96
76) 1,2,3-Trichloropropane	13.73	75	305328	47.543	ug/l	100
77) Bromobenzene	13.66	156	417327	50.818	ug/l	87
78) n-propylbenzene	13.77	91	1587424	42.149	ug/l	97
79) 2-Chlorotoluene	13.84	91	997253	48.096	ug/l	96
80) 1,3,5-Trimethylbenzene	14.23	105	1143372	46.816	ug/l	99
81) trans-1,4-Dichloro-2-buten	13.46	75	91093	48.111	ug/l	93
82) 4-Chlorotoluene	13.94	91	1044060	42.594	ug/l	95
83) tert-Butylbenzene	14.18	119	1364348	51.046	ug/l	93
84) 1,2,4-Trimethylbenzene	14.23	105	1143372	46.816	ug/l	99
85) sec-Butylbenzene	14.36	105	1625094	49.804	ug/l	99
86) p-Isopropyltoluene	14.48	119	1285453	48.196	ug/l	98
87) 1,3-Dichlorobenzene	14.45	146	686381	46.807	ug/l	97
88) 1,4-Dichlorobenzene	14.53	146	717970	49.824	ug/l	96
89) n-Butylbenzene	14.79	91	1149548	44.882	ug/l	98
90) Hexachloroethane	15.00	117	347502	46.141	ug/l	78
91) 1,2-Dichlorobenzene	14.80	146	589107	48.189	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	15.37	75	35811	47.346	ug/l	74

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Response via : Initial Calibration

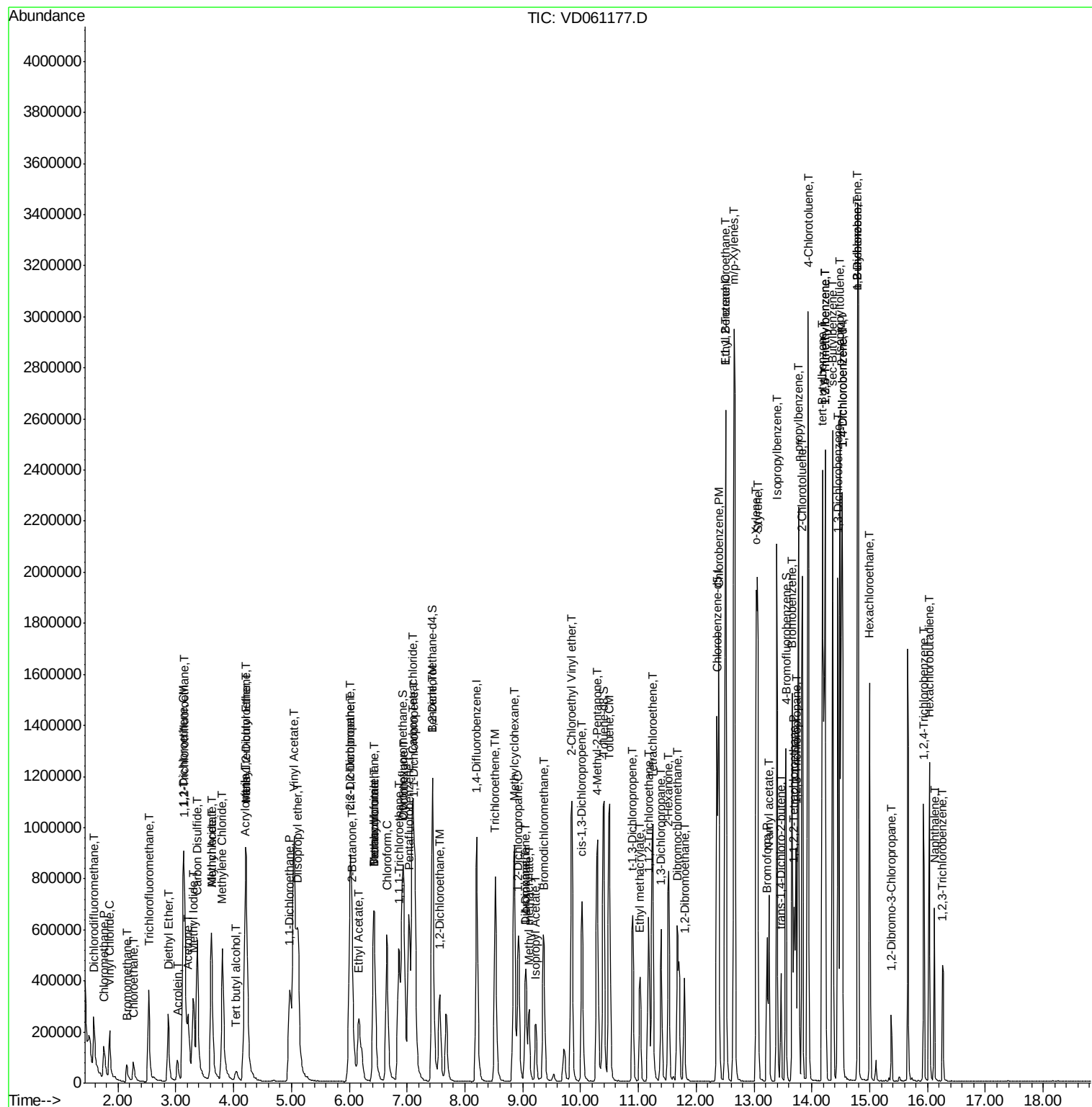
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.93	180	287971	50.779	ug/l	96
94) Hexachlorobutadiene	16.03	225	198809	46.347	ug/l	99
95) Naphthalene	16.12	128	448682	52.064	ug/l	99
96) 1,2,3-Trichlorobenzene	16.27	180	131640	46.998	ug/l	98

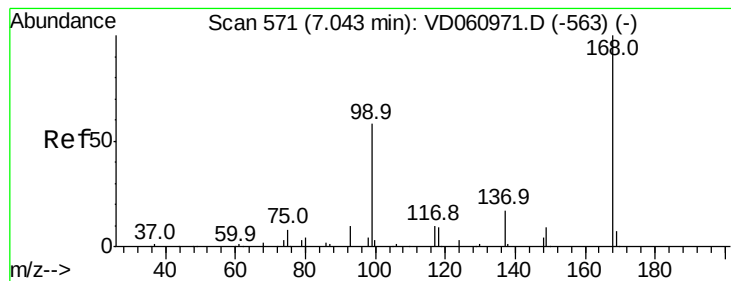
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD031919\
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.03 min Scan# 570

Delta R.T. -0.01 min

Lab File: VD061177.D

Acq: 19 Mar 2019 11:14

Instrument :

MSVOA_D

ClientSampleId :

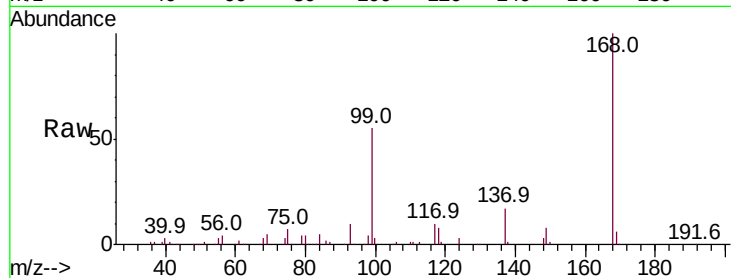
VSTDCCC050

Tot Ion:168 Resp: 688761

Ion Ratio Lower Upper

168 100

99 54.9 47.3 70.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.03

250000

200000

150000

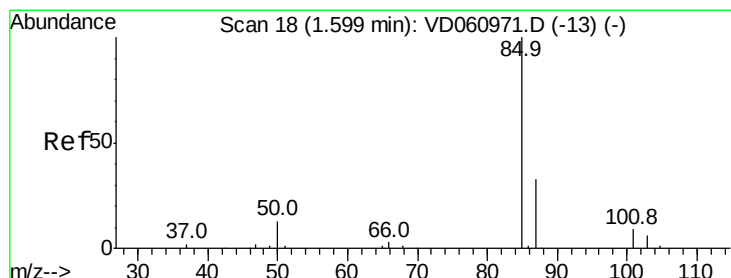
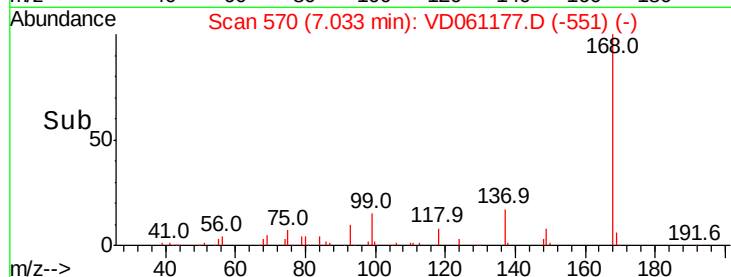
100000

50000

0

6.90 7.00 7.10 7.20

Time-->



#2

Dichlorodifluoromethane

Concen: 46.031 ug/l

RT: 1.58 min Scan# 16

Delta R.T. -0.02 min

Lab File: VD061177.D

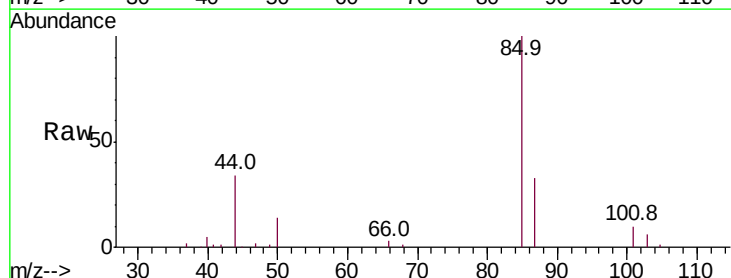
Acq: 19 Mar 2019 11:14

Tgt Ion: 85 Resp: 314050

Ion Ratio Lower Upper

85 100

87 33.0 16.4 49.4



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.58

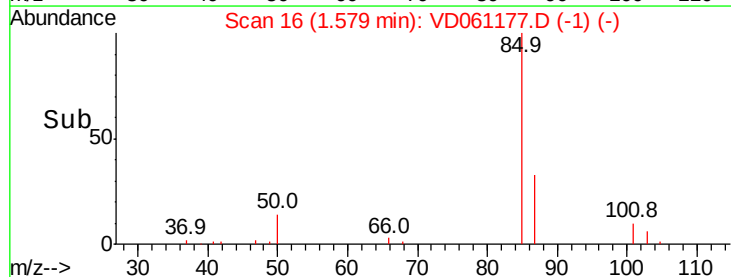
100000

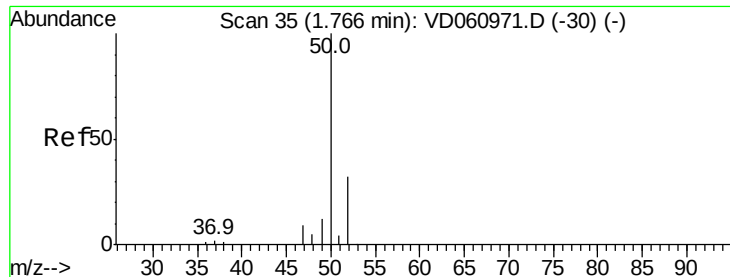
50000

0

1.50 1.60 1.70 1.80

Time-->





#3

Chloromethane

Concen: 41.631 ug/l

RT: 1.76 min Scan# 34

Delta R.T. -0.01 min

Lab File: VD061177.D

Acq: 19 Mar 2019 11:14

Instrument :

MSVOA_D

ClientSampleId :

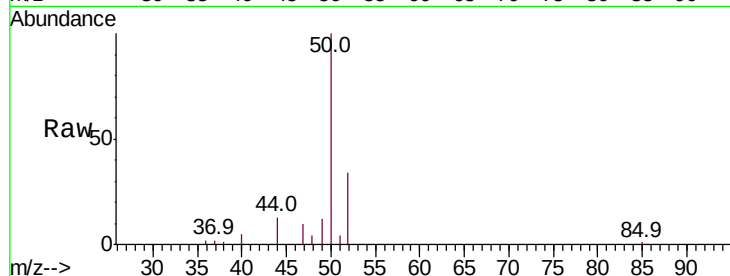
VSTDCCC050

Tot Ion: 50 Resp: 236606

Ion Ratio Lower Upper

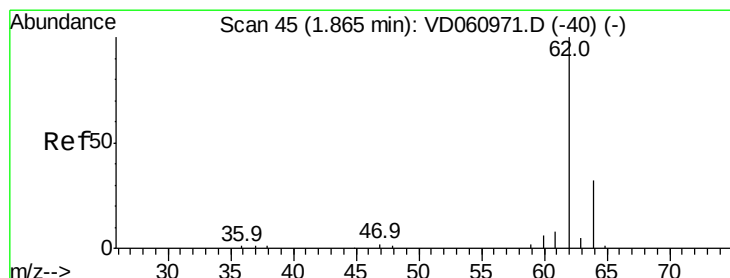
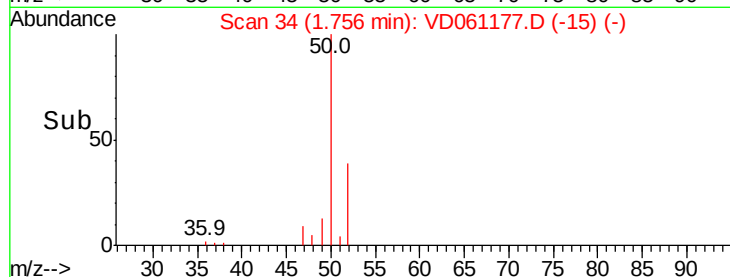
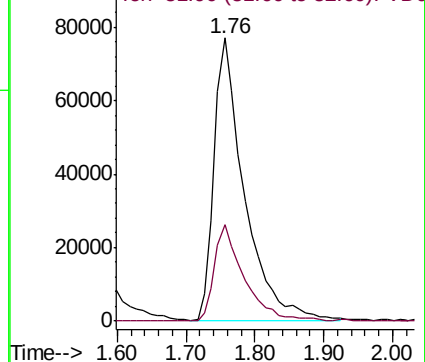
50 100

52 34.0 25.8 38.8



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 46.591 ug/l

RT: 1.85 min Scan# 44

Delta R.T. -0.01 min

Lab File: VD061177.D

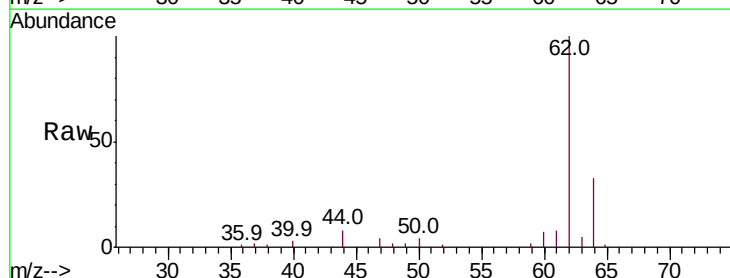
Acq: 19 Mar 2019 11:14

Tgt Ion: 62 Resp: 244679

Ion Ratio Lower Upper

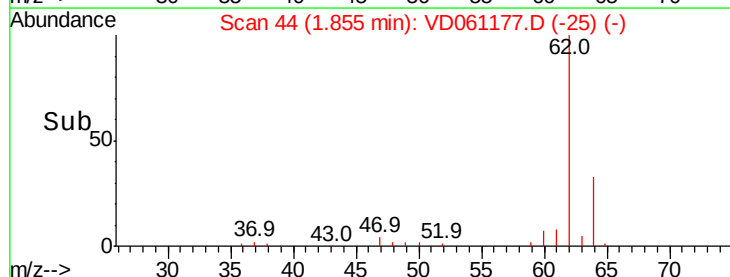
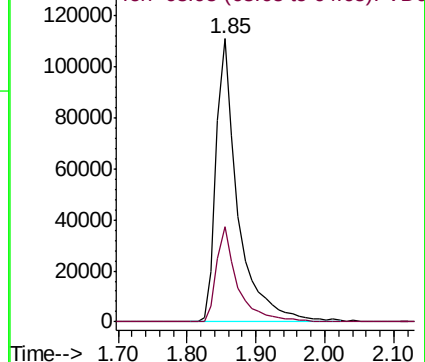
62 100

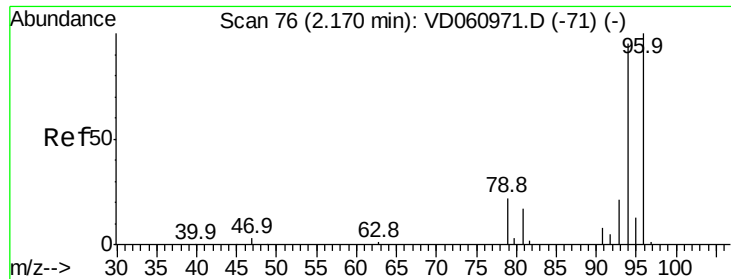
64 33.4 25.2 37.8



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 60.832 ug/l

RT: 2.15 min Scan# 74

Delta R.T. -0.02 min

Lab File: VD061177.D

Acq: 19 Mar 2019 11:14

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ClientSampleId :

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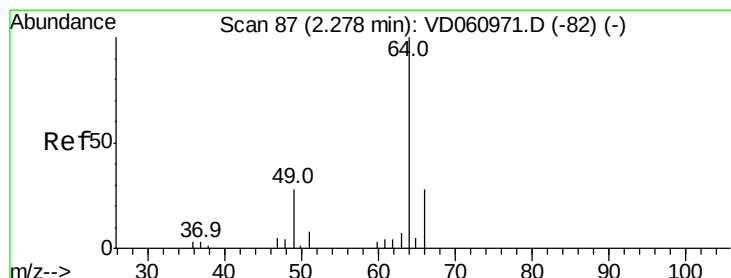
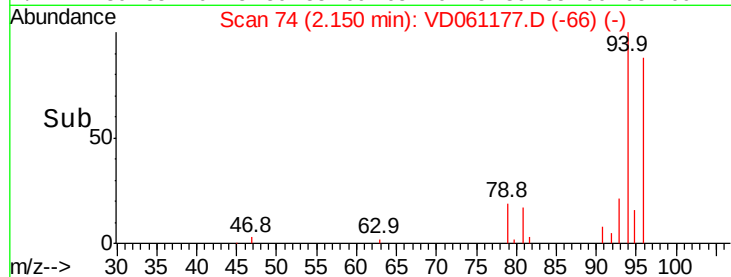
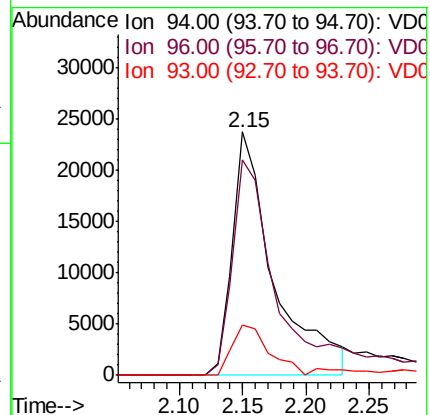
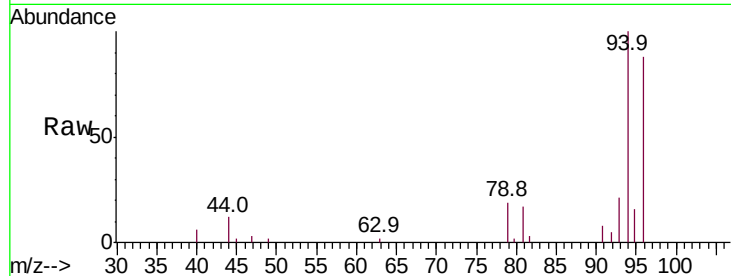
Tot Ion: 94 Resp: 54202

Ion Ratio Lower Upper

94 100

96 88.3 84.0 126.0

93 20.5 17.3 25.9



#6

Chloroethane

Concen: 54.855 ug/l

RT: 2.27 min Scan# 86

Delta R.T. -0.01 min

Lab File: VD061177.D

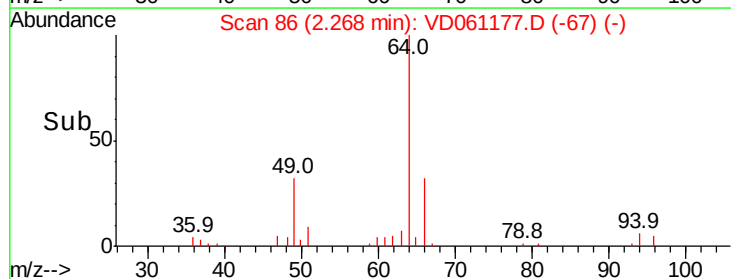
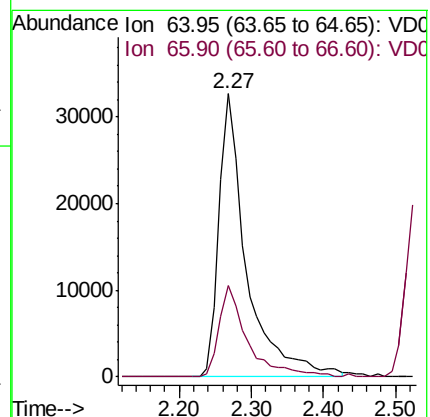
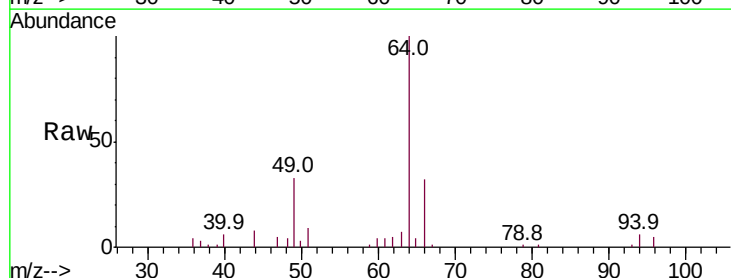
Acq: 19 Mar 2019 11:14

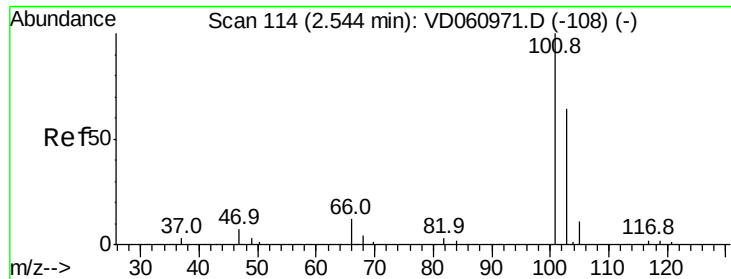
Tgt Ion: 64 Resp: 86228

Ion Ratio Lower Upper

64 100

66 32.2 22.2 33.2



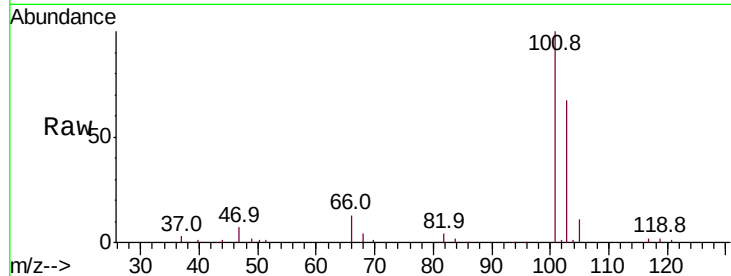


#7

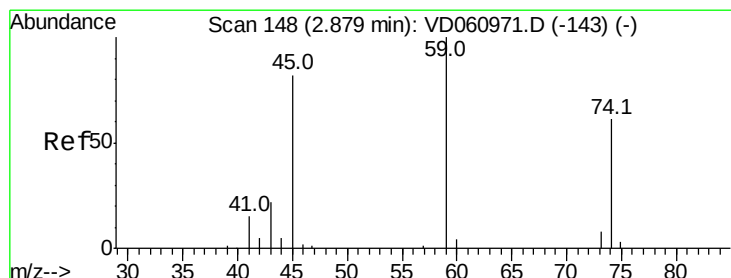
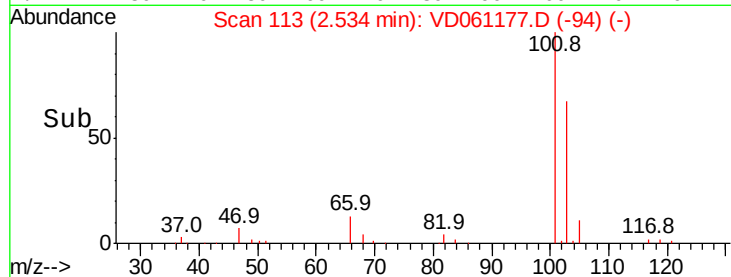
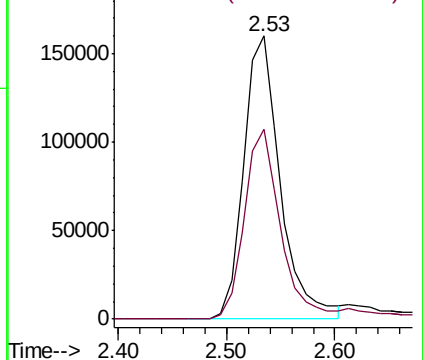
Trichlorofluoromethane
 Concen: 49.969 ug/l
 RT: 2.53 min Scan# 113
 Delta R.T. -0.01 min
 Lab File: VD061177.D
 Acq: 19 Mar 2019 11:14

Instrument :
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Tot Ion:101 Resp: 376980
 Ion Ratio Lower Upper
 101 100
 103 67.0 51.2 76.8



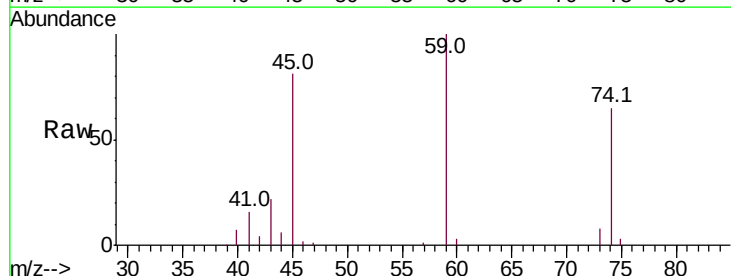
Abundance Ion 100.85 (100.55 to 101.55): V
 Ion 102.85 (102.55 to 103.55): V



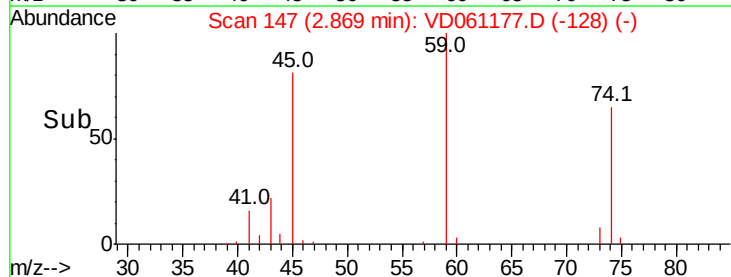
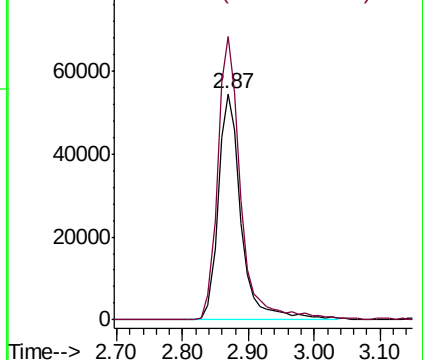
#8

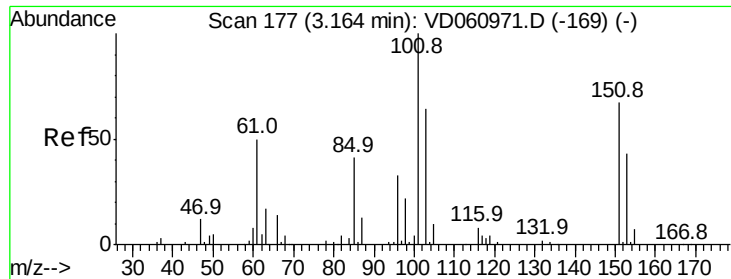
Diethyl Ether
 Concen: 53.011 ug/l
 RT: 2.87 min Scan# 147
 Delta R.T. -0.01 min
 Lab File: VD061177.D
 Acq: 19 Mar 2019 11:14

Tgt Ion: 74 Resp: 131935
 Ion Ratio Lower Upper
 74 100
 45 125.0 67.0 201.1



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: 51.634 ug/l

RT: 3.15 min Scan# 176

Delta R.T. -0.01 min

Lab File: VD061177.D

Acq: 19 Mar 2019 11:14

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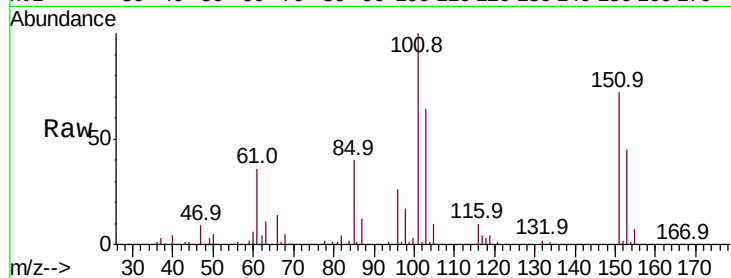
Tot Ion:101 Resp: 435507

Ion Ratio Lower Upper

101 100

85 39.6 32.5 48.7

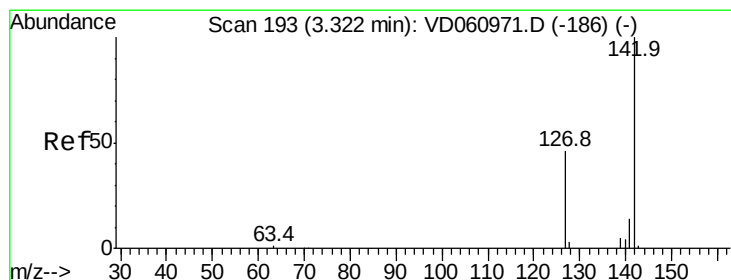
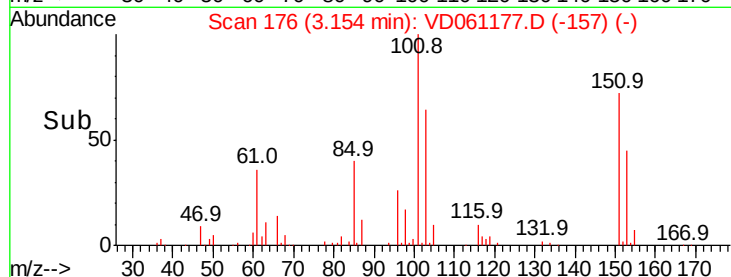
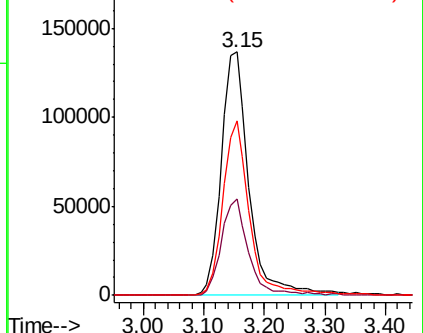
151 71.7 53.3 79.9



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: 51.679 ug/l

RT: 3.30 min Scan# 191

Delta R.T. -0.02 min

Lab File: VD061177.D

Acq: 19 Mar 2019 11:14

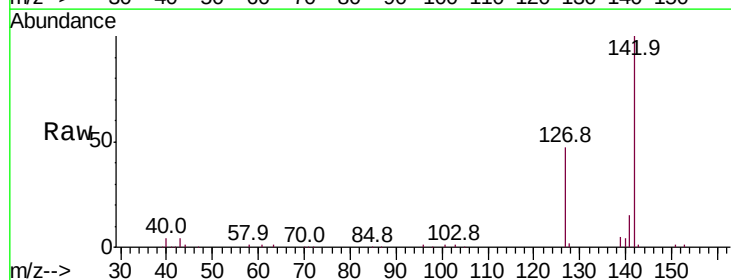
Tgt Ion:142 Resp: 601499

Ion Ratio Lower Upper

142 100

127 46.9 36.8 55.2

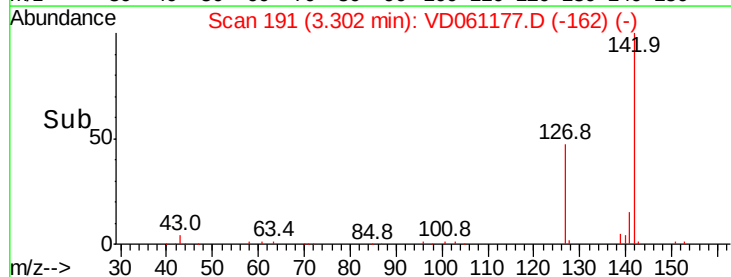
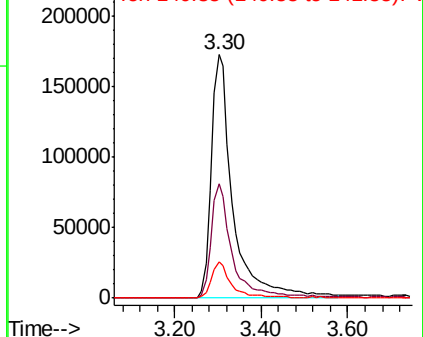
141 14.7 11.2 16.8

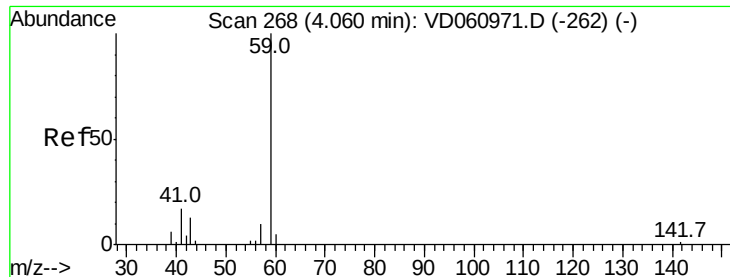


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V

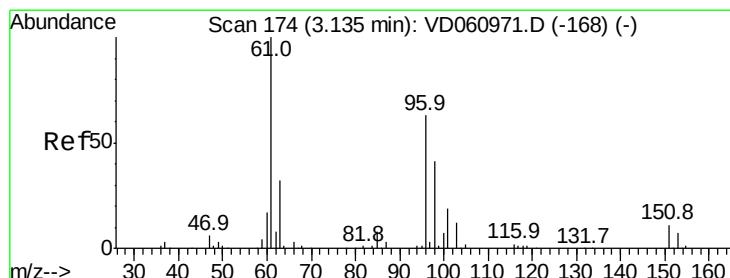
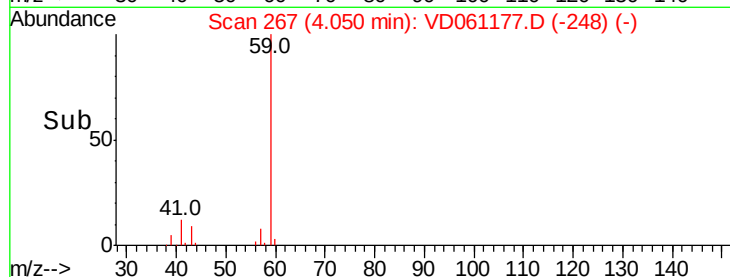
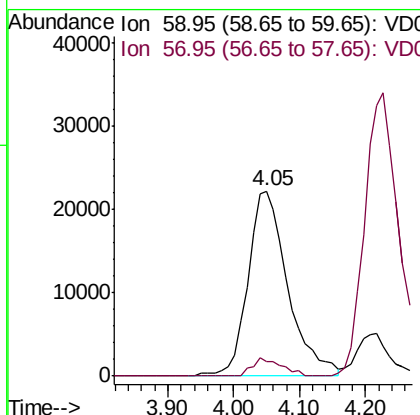
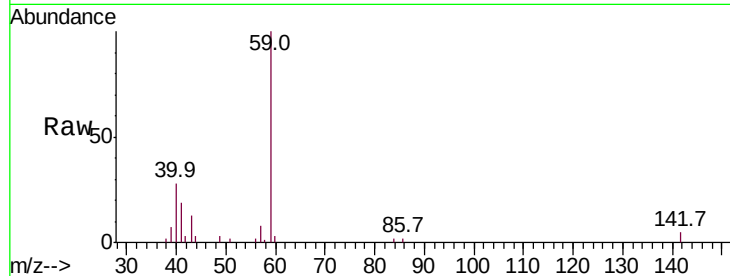




#11
Tert butyl alcohol
Concen: 257.393 ug/l
RT: 4.05 min Scan# 267
Delta R.T. -0.01 min
Lab File: VD061177.D
Acq: 19 Mar 2019 11:14

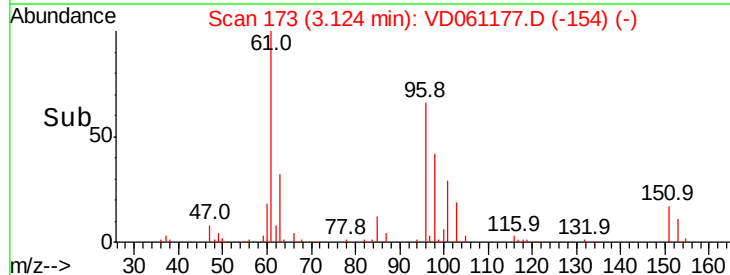
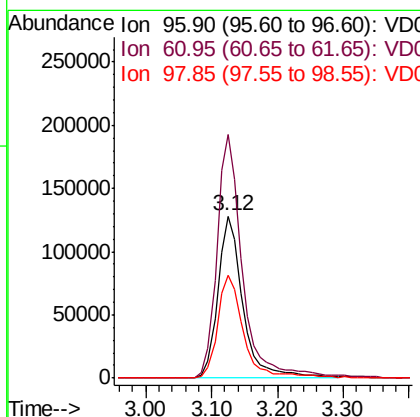
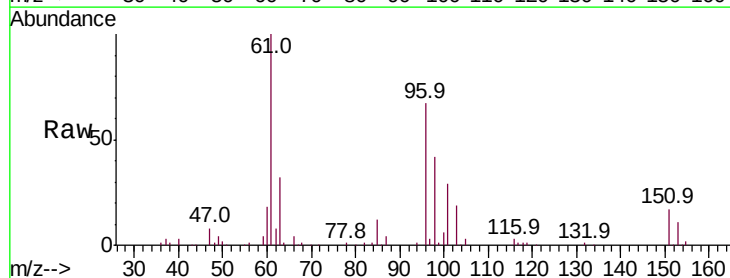
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

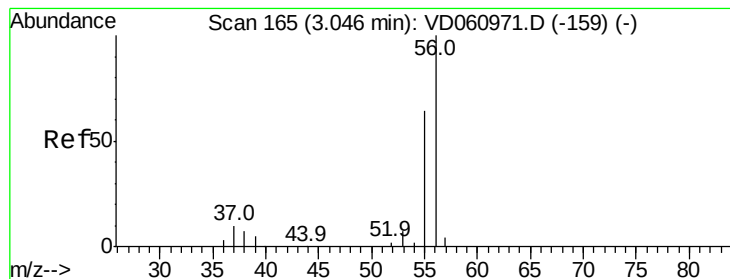
Tot Ion: 59 Resp: 93944
Ion Ratio Lower Upper
59 100
57 7.8 7.1 10.7



#12
1,1-Dichloroethene
Concen: 49.255 ug/l
RT: 3.12 min Scan# 173
Delta R.T. -0.01 min
Lab File: VD061177.D
Acq: 19 Mar 2019 11:14

Tgt Ion: 96 Resp: 340539
Ion Ratio Lower Upper
96 100
61 150.0 127.1 190.7
98 63.2 51.5 77.3





#13

Acrolein

Concen: 188.007 ug/l

RT: 3.03 min Scan# 163

Delta R.T. -0.02 min

Lab File: VD061177.D

Acq: 19 Mar 2019 11:14

Instrument :

MSVOA_D

ClientSampleId :

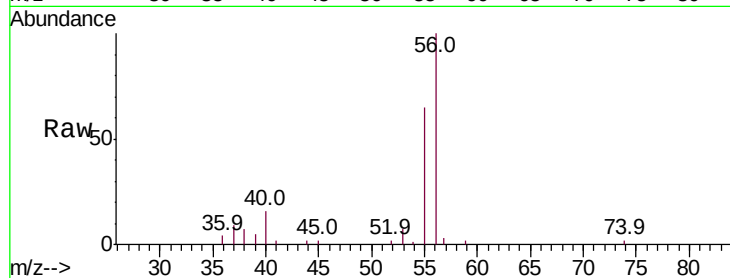
VSTDCCC050

Tot Ion: 56 Resp: 99286

Ion Ratio Lower Upper

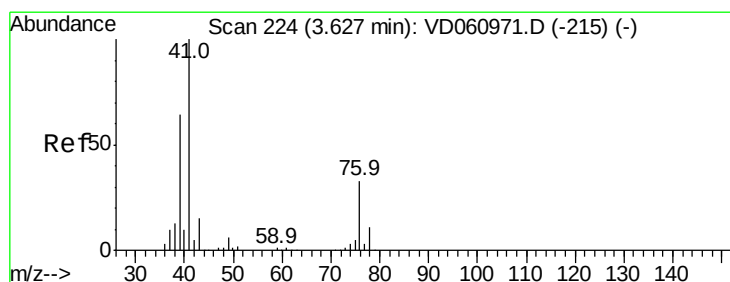
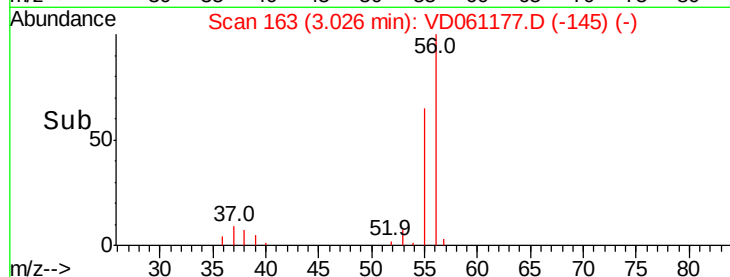
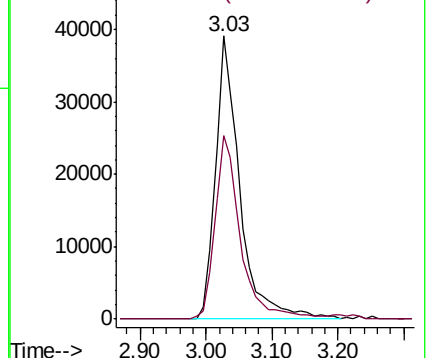
56 100

55 65.0 51.3 76.9



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 46.486 ug/l

RT: 3.62 min Scan# 223

Delta R.T. -0.01 min

Lab File: VD061177.D

Acq: 19 Mar 2019 11:14

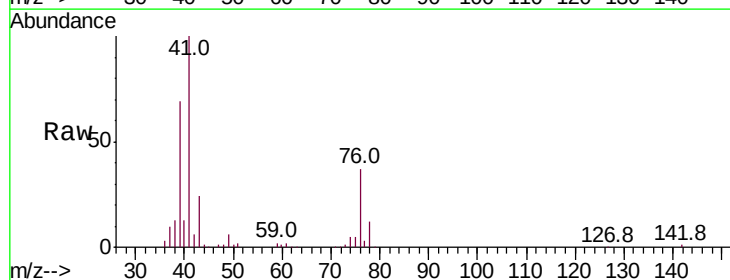
Tgt Ion: 41 Resp: 514231

Ion Ratio Lower Upper

41 100

39 69.1 51.1 76.7

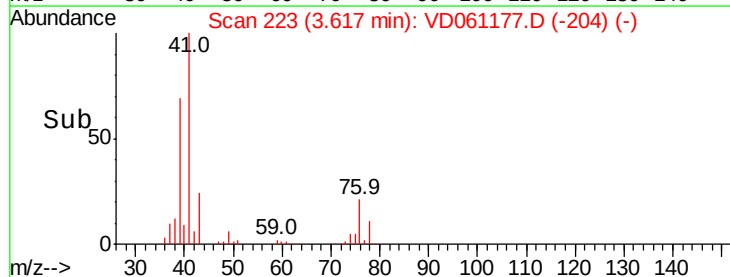
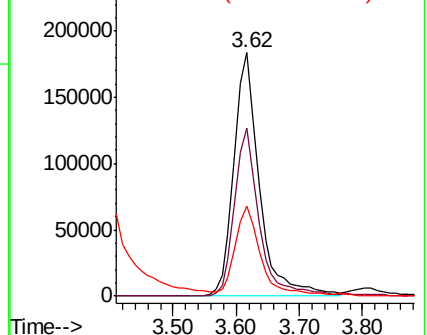
76 37.0 29.1 43.7

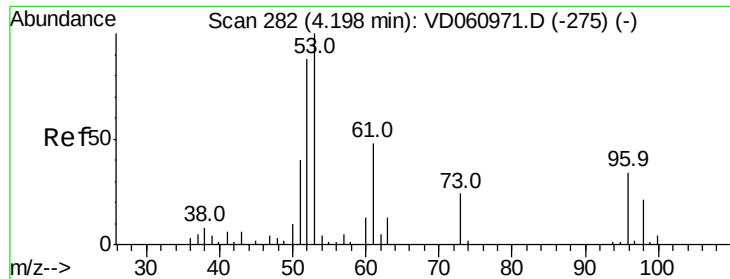


Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC





#15

Acrylonitrile

Concen: 244.613 ug/l

RT: 4.19 min Scan# 281

Delta R.T. -0.01 min

Lab File: VD061177.D

Acq: 19 Mar 2019 11:14

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

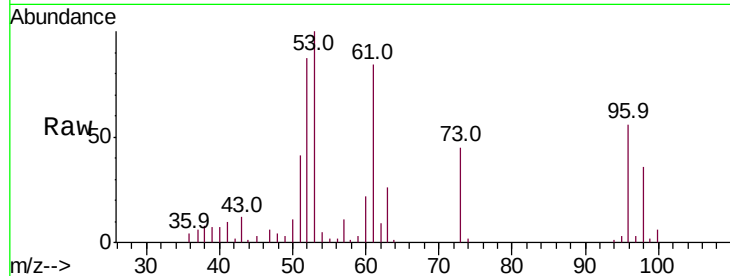
Tot Ion: 53 Resp: 315542

Ion Ratio Lower Upper

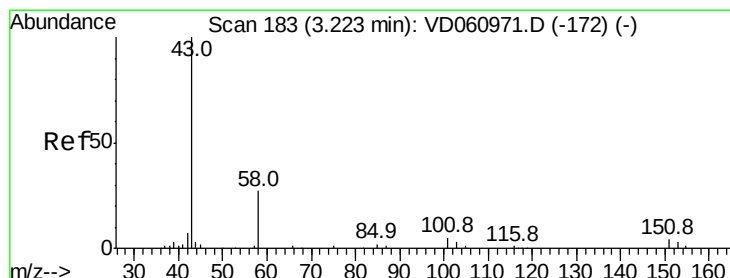
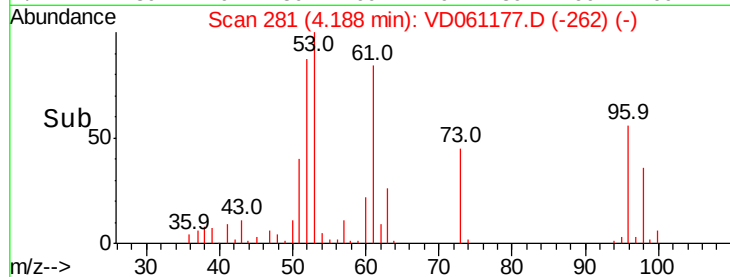
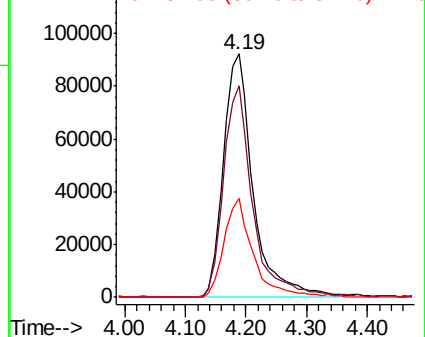
53 100

52 86.8 70.2 105.4

51 40.5 31.7 47.5



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: 279.635 ug/l

RT: 3.21 min Scan# 182

Delta R.T. -0.01 min

Lab File: VD061177.D

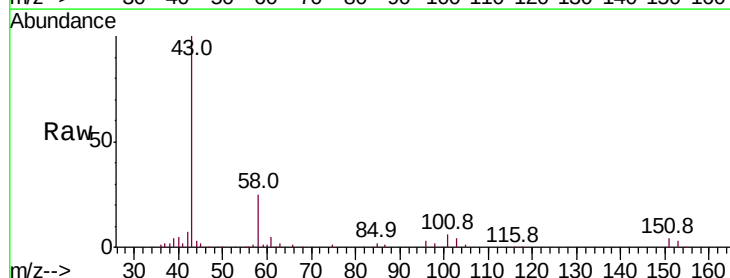
Acq: 19 Mar 2019 11:14

Tgt Ion: 43 Resp: 458446

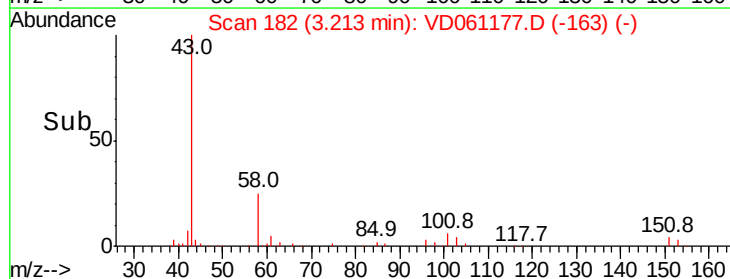
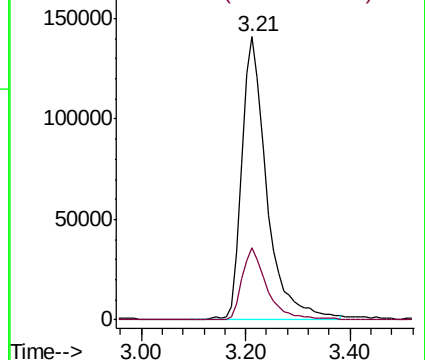
Ion Ratio Lower Upper

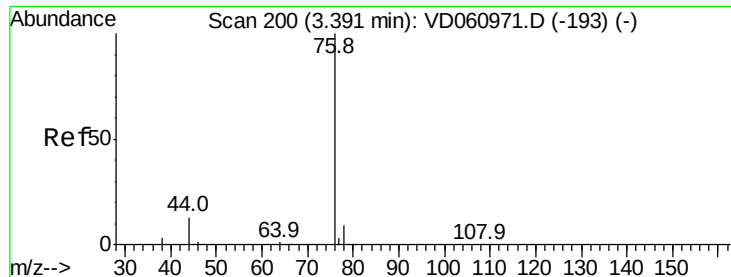
43 100

58 25.4 21.6 32.4



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





#17

Carbon Disulfide

Concen: 46.167 ug/l

RT: 3.37 min Scan# 198

Delta R.T. -0.02 min

Lab File: VD061177.D

Acq: 19 Mar 2019 11:14

Instrument :

MSVOA_D

ClientSampleId :

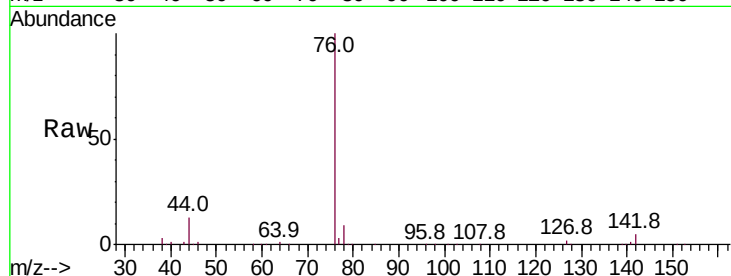
VSTDCCC050

Tot Ion: 76 Resp: 1076717

Ion Ratio Lower Upper

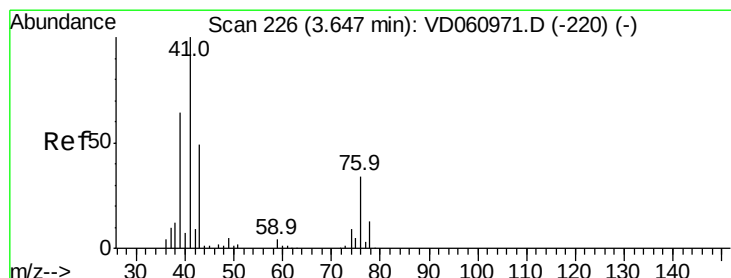
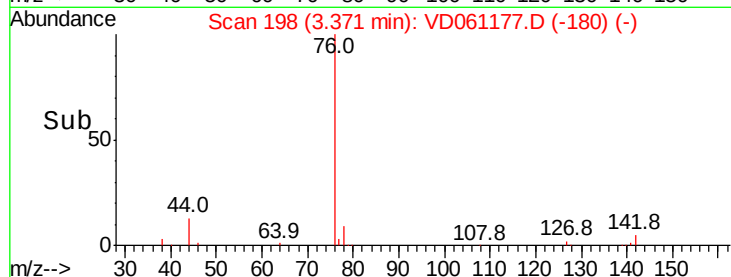
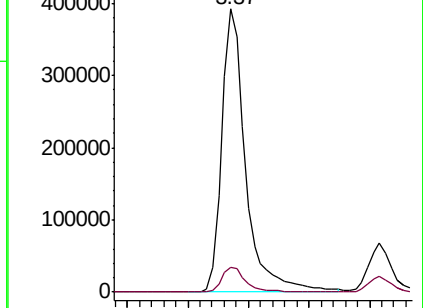
76 100

78 8.8 7.4 11.2



Abundance Ion 75.85 (75.55 to 76.55): VDC

Ion 77.85 (77.55 to 78.55): VDC



#18

Methyl Acetate

Concen: 53.230 ug/l

RT: 3.63 min Scan# 224

Delta R.T. -0.02 min

Lab File: VD061177.D

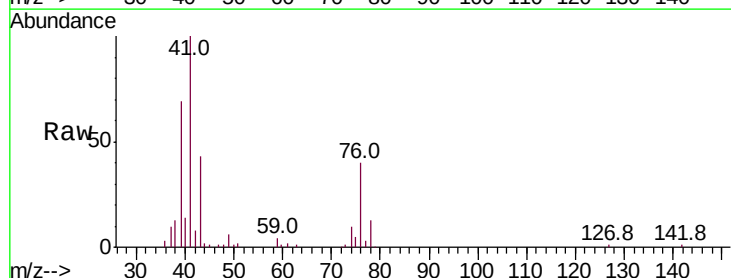
Acq: 19 Mar 2019 11:14

Tgt Ion: 43 Resp: 171740

Ion Ratio Lower Upper

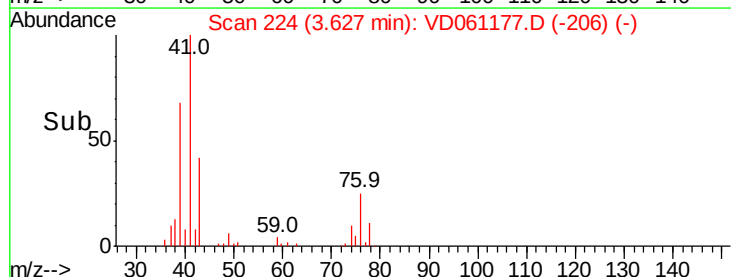
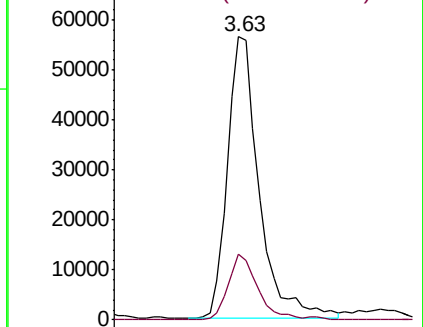
43 100

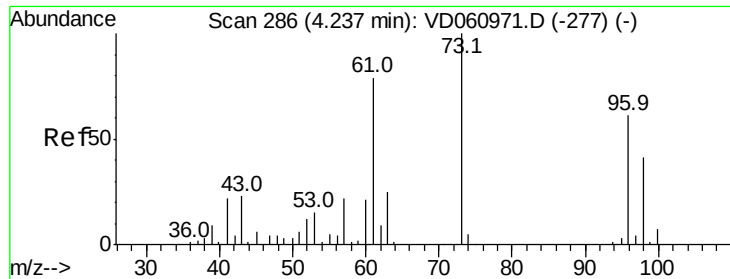
74 23.2 14.6 21.8#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC

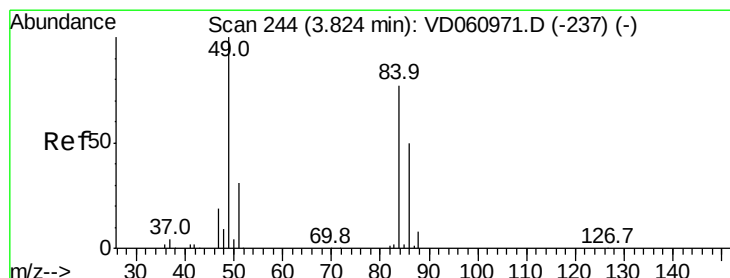
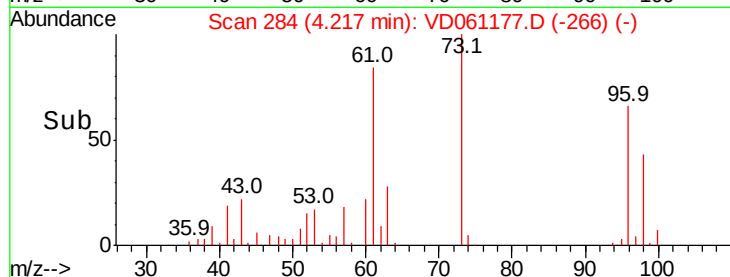
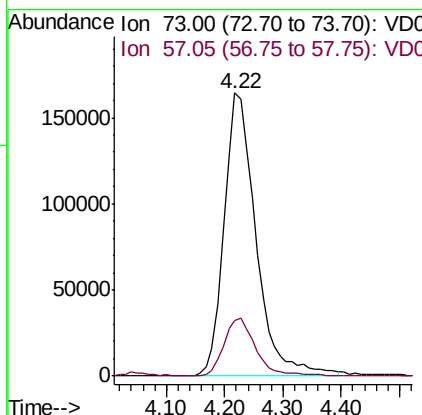
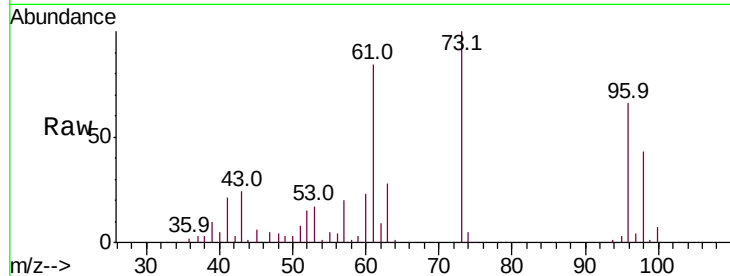




#19
Methyl tert-butyl Ether
Concen: 51.716 ug/l
RT: 4.22 min Scan# 284
Delta R.T. -0.02 min
Lab File: VD061177.D
Acq: 19 Mar 2019 11:14

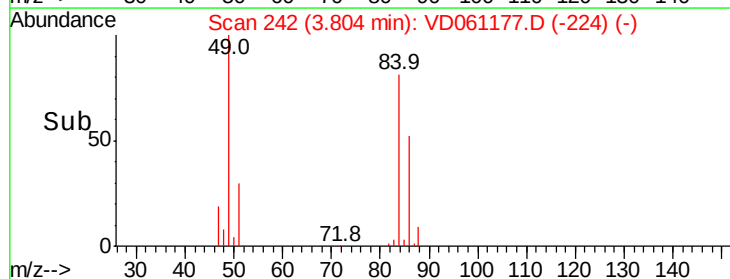
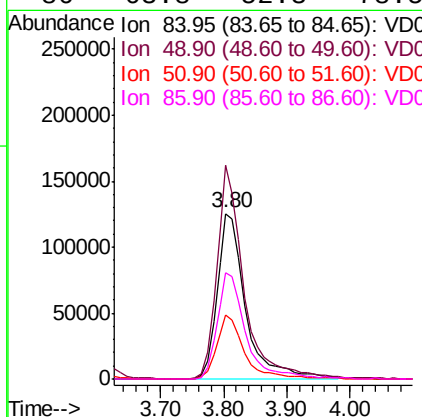
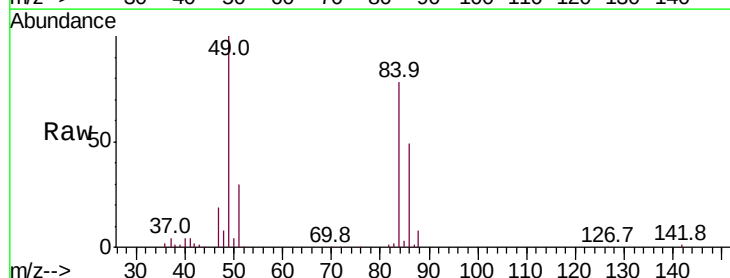
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

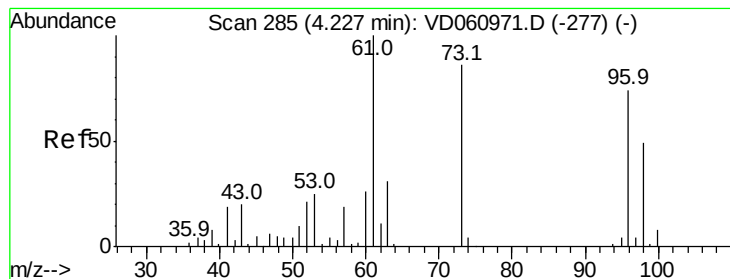
Tot Ion: 73 Resp: 626620
Ion Ratio Lower Upper
73 100
57 19.8 17.7 26.5



#20
Methylene Chloride
Concen: 53.123 ug/l
RT: 3.80 min Scan# 242
Delta R.T. -0.02 min
Lab File: VD061177.D
Acq: 19 Mar 2019 11:14

Tgt Ion: 84 Resp: 394927
Ion Ratio Lower Upper
84 100
49 129.0 104.2 156.2
51 38.3 32.3 48.5
86 63.8 52.3 78.5





#21

trans-1,2-Dichloroethene

Concen: 47.794 ug/l

RT: 4.21 min Scan# 283

Delta R.T. -0.02 min

Lab File: VD061177.D

Acq: 19 Mar 2019 11:14

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

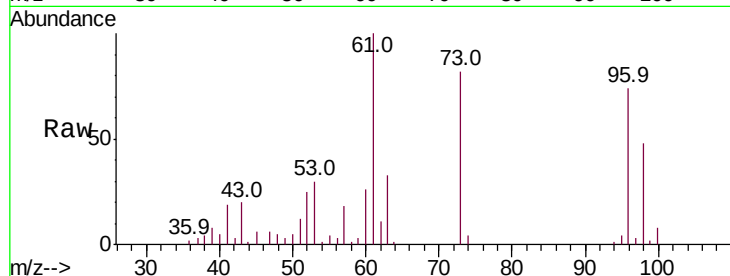
Tot Ion: 96 Resp: 357656

Ion Ratio Lower Upper

96 100

61 135.7 108.4 162.6

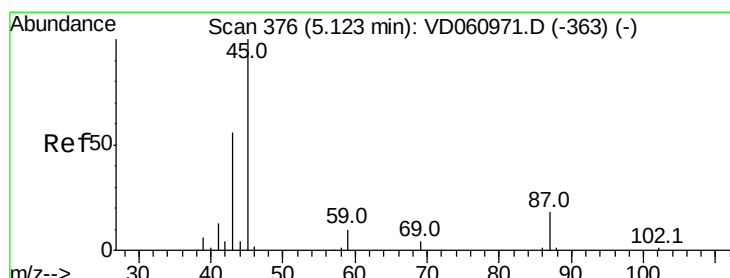
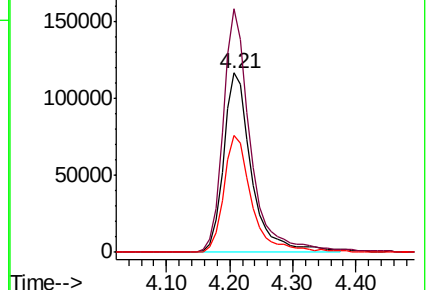
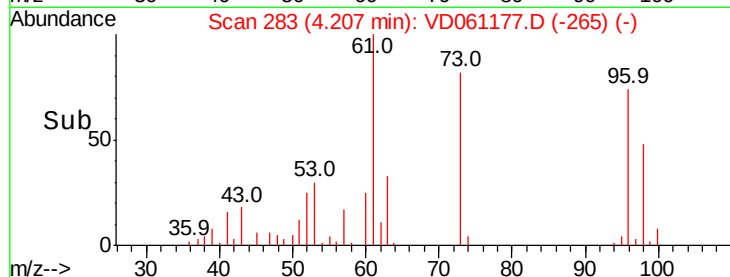
98 65.2 53.0 79.4



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: 48.203 ug/l

RT: 5.11 min Scan# 375

Delta R.T. -0.01 min

Lab File: VD061177.D

Acq: 19 Mar 2019 11:14

Tgt Ion: 45 Resp: 1106905

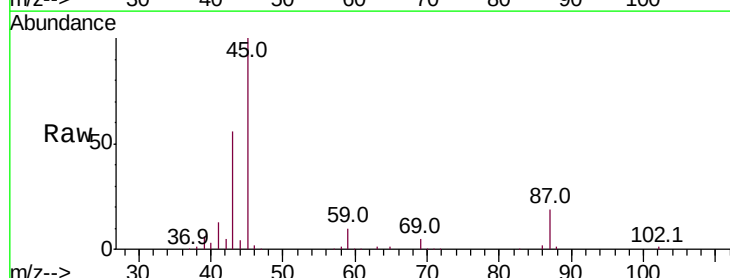
Ion Ratio Lower Upper

45 100

43 55.9 45.8 68.8

87 19.5 14.9 22.3

59 9.8 8.0 12.0

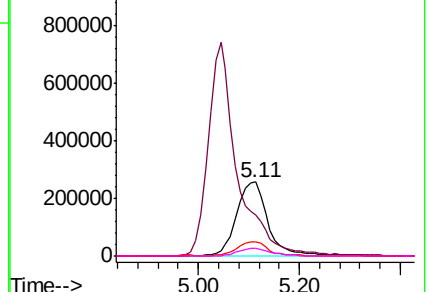
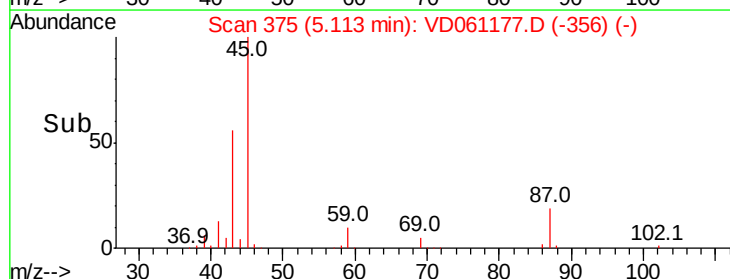


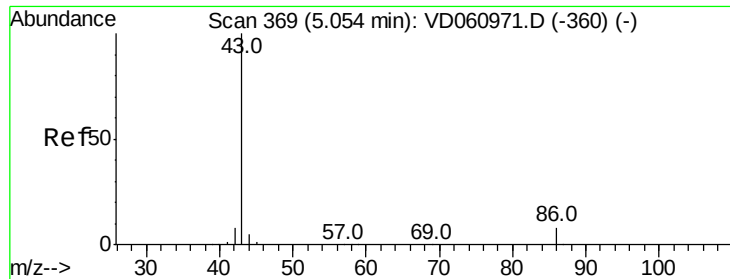
Abundance Ion 45.05 (44.75 to 45.75): VDC

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: 251.539 ug/l

RT: 5.04 min Scan# 368

Delta R.T. -0.01 min

Lab File: VD061177.D

Acq: 19 Mar 2019 11:14

Instrument :

MSVOA_D

ClientSampleId :

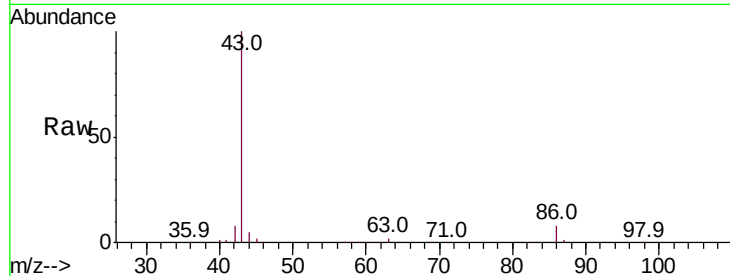
VSTDCCC050

Tot Ion: 43 Resp: 2965206

Ion Ratio Lower Upper

43 100

86 8.0 6.2 9.2



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC

5.04

800000

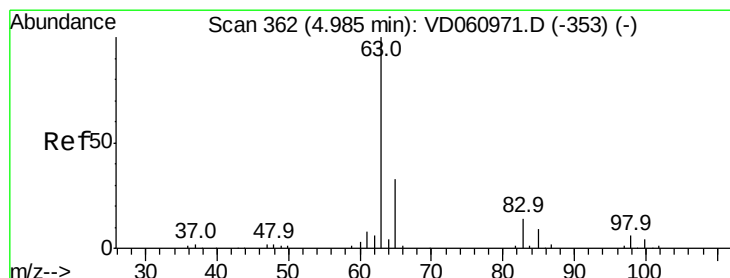
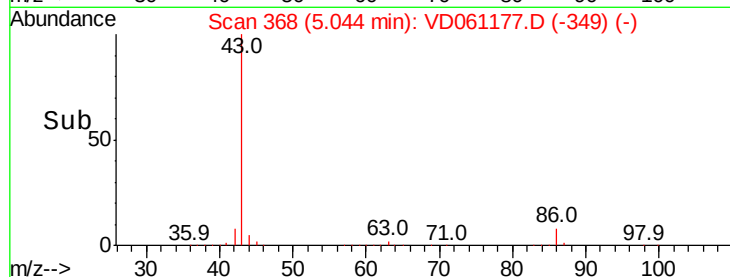
600000

400000

200000

0

Time--> 4.80 5.00 5.20



#24

1,1-Dichloroethane

Concen: 52.507 ug/l

RT: 4.97 min Scan# 360

Delta R.T. -0.02 min

Lab File: VD061177.D

Acq: 19 Mar 2019 11:14

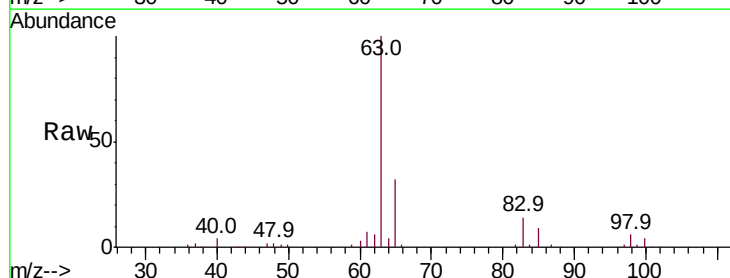
Tgt Ion: 63 Resp: 660637

Ion Ratio Lower Upper

63 100

98 5.7 3.0 9.2

100 4.0 2.0 5.8



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC

4.97

250000

200000

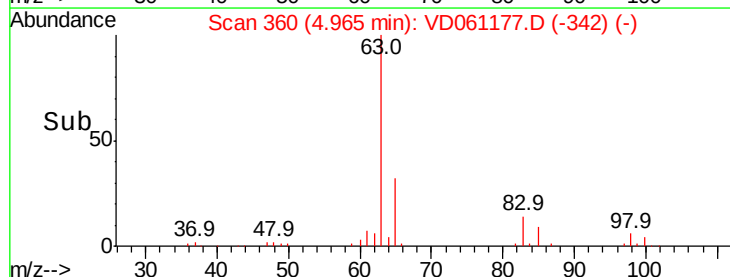
150000

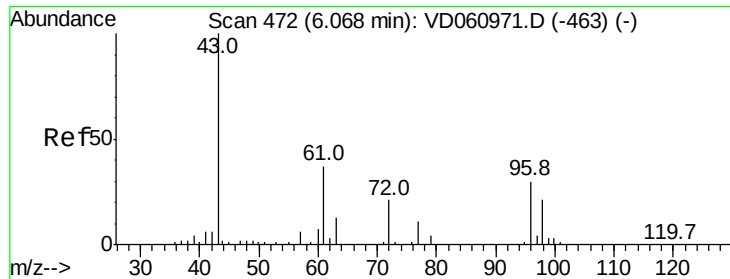
100000

50000

0

Time--> 4.80 4.90 5.00 5.10 5.20





#25

2-Butanone

Concen: 266.825 ug/l

RT: 6.06 min Scan# 471

Delta R.T. -0.01 min

Lab File: VD061177.D

Acq: 19 Mar 2019 11:14

Instrument :

MSVOA_D

ClientSampleId :

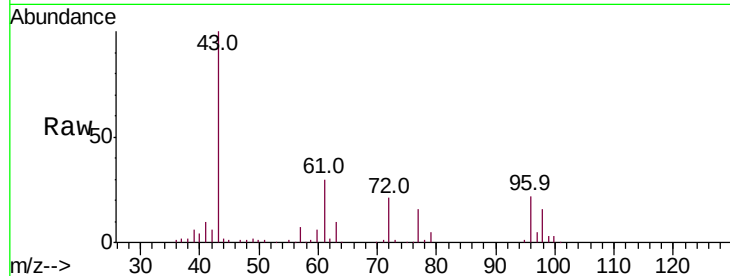
VSTDCCC050

Tot Ion: 43 Resp: 496379

Ion Ratio Lower Upper

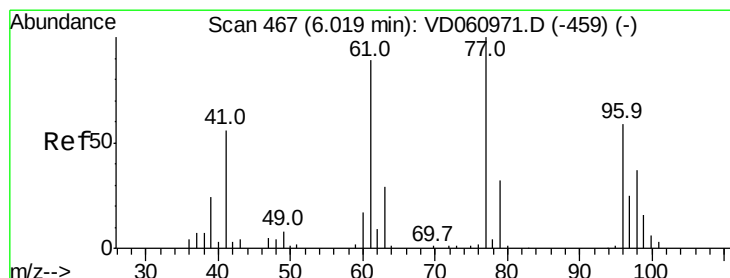
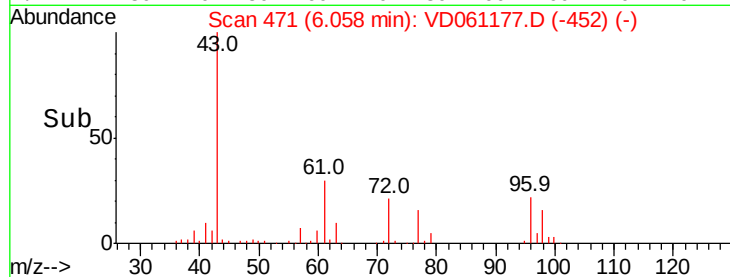
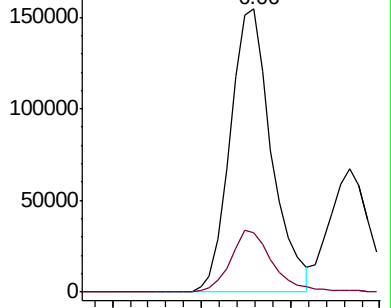
43 100

72 20.9 16.7 25.1



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 52.512 ug/l

RT: 6.01 min Scan# 466

Delta R.T. -0.01 min

Lab File: VD061177.D

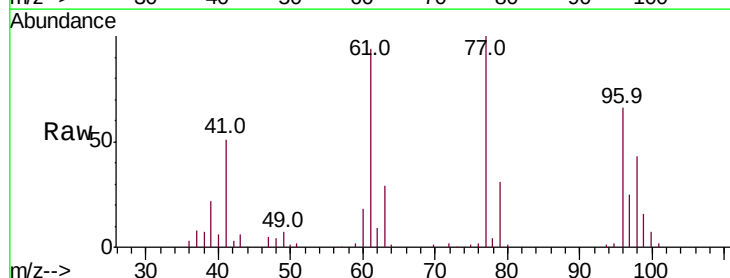
Acq: 19 Mar 2019 11:14

Tgt Ion: 77 Resp: 515770

Ion Ratio Lower Upper

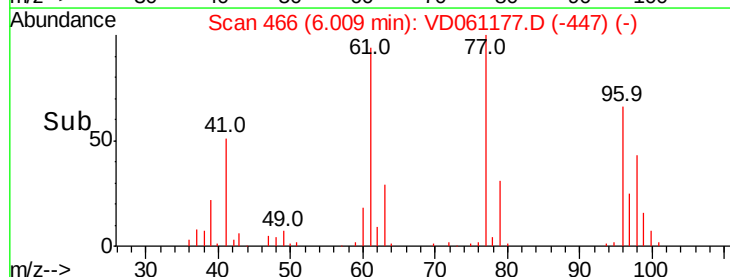
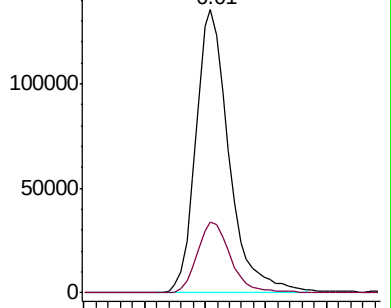
77 100

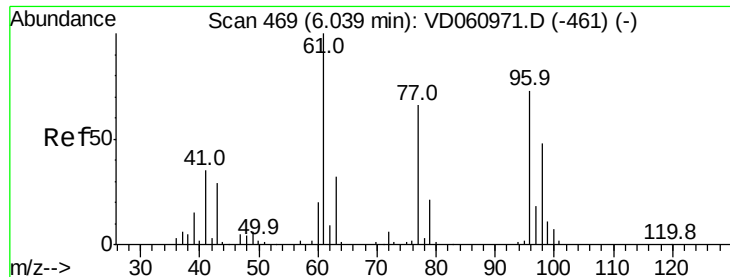
97 24.9 12.6 37.6



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



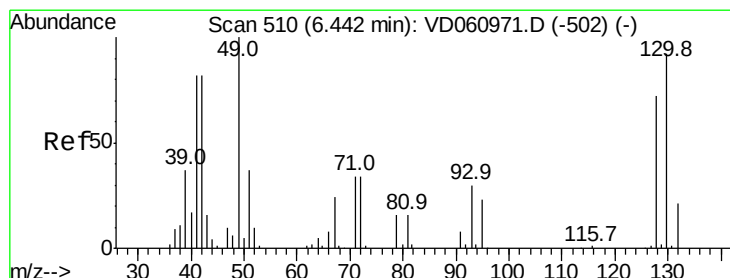
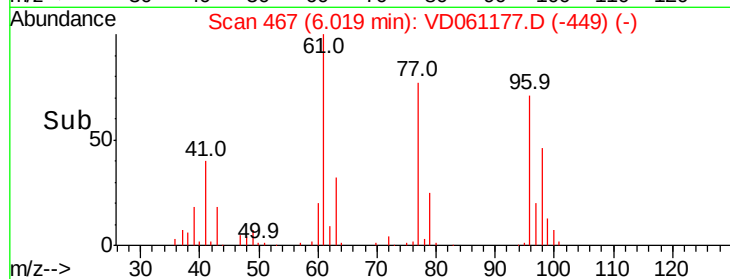
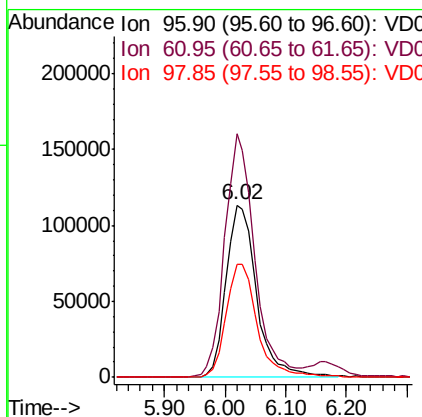
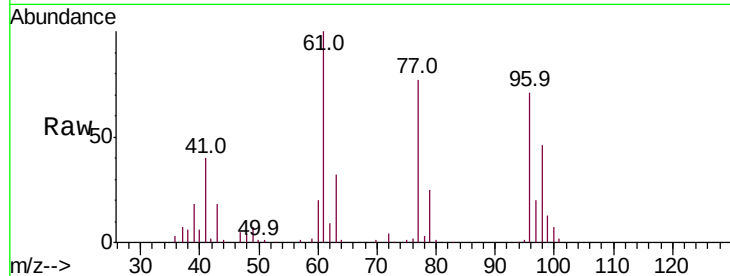


#27

cis-1,2-Dichloroethene
 Concen: 50.315 ug/l
 RT: 6.02 min Scan# 467
 Delta R.T. -0.02 min
 Lab File: VD061177.D
 Acq: 19 Mar 2019 11:14

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

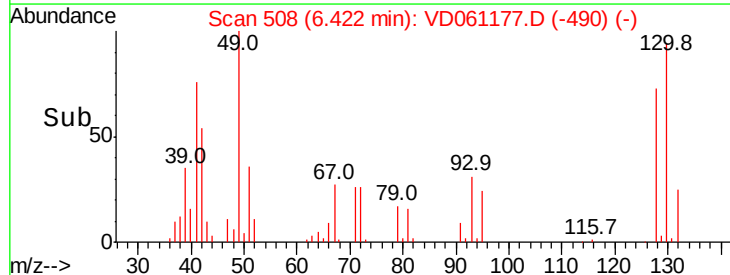
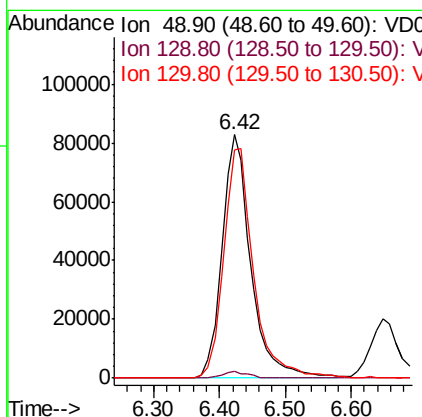
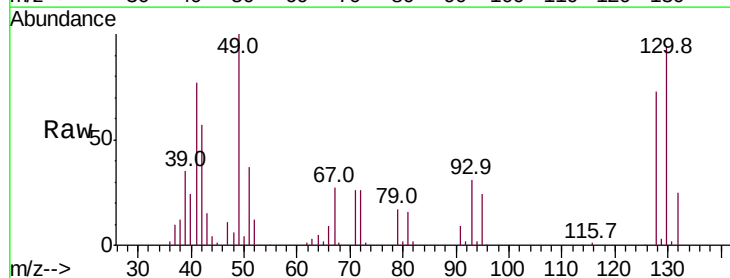
Tot Ion	Ratio	Lower	Upper
96	100		
61	141.4	0.0	273.6
98	65.5	0.0	132.6

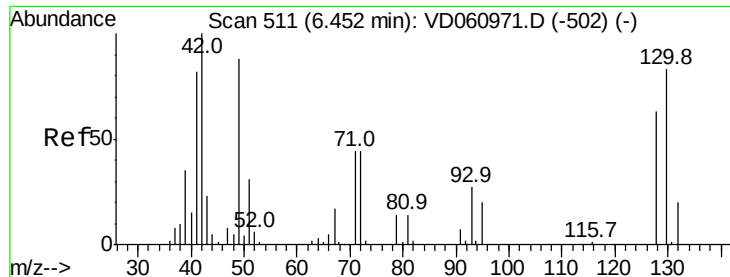


#28

Bromochloromethane
 Concen: 47.297 ug/l
 RT: 6.42 min Scan# 508
 Delta R.T. -0.02 min
 Lab File: VD061177.D
 Acq: 19 Mar 2019 11:14

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.7	0.0	4.0
130	94.0	73.8	110.8





#29

Tetrahydrofuran

Concen: 217.060 ug/l

RT: 6.43 min Scan# 509

Delta R.T. -0.02 min

Lab File: VD061177.D

Acq: 19 Mar 2019 11:14

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

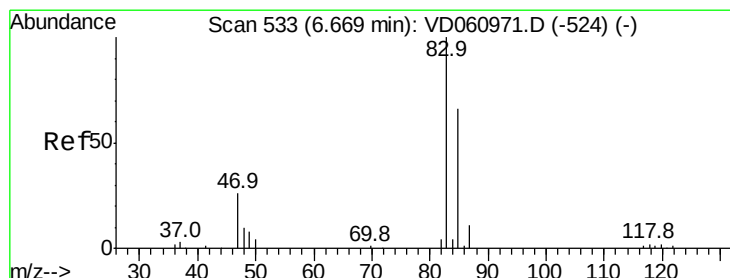
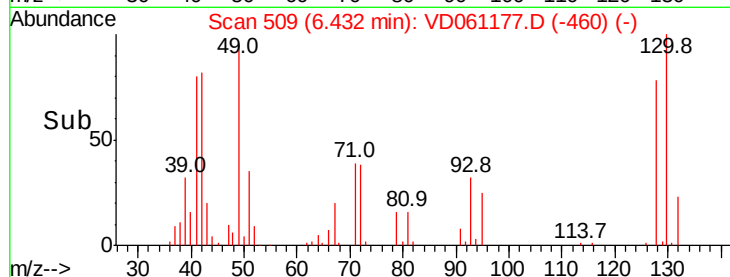
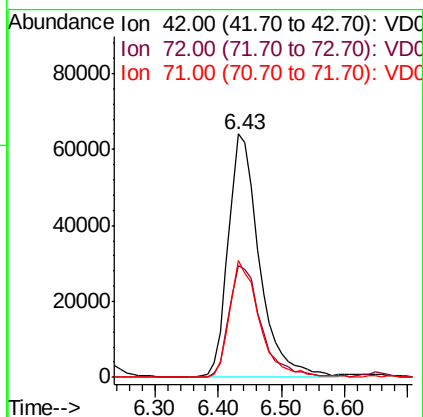
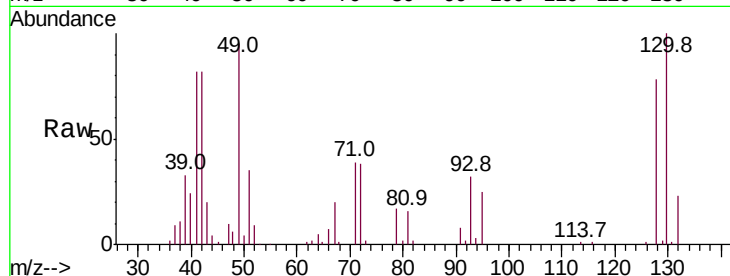
Tot Ion: 42 Resp: 219263

Ion Ratio Lower Upper

42 100

72 47.3 34.5 51.7

71 45.7 33.8 50.6



#30

Chloroform

Concen: 53.617 ug/l

RT: 6.65 min Scan# 531

Delta R.T. -0.02 min

Lab File: VD061177.D

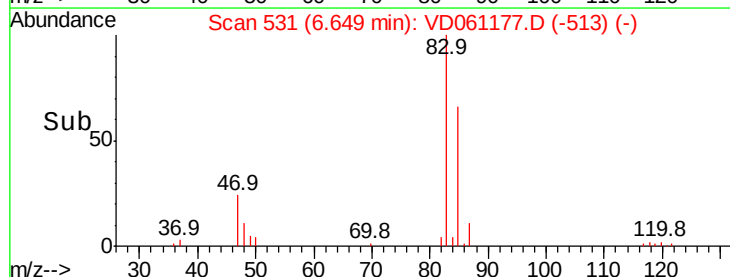
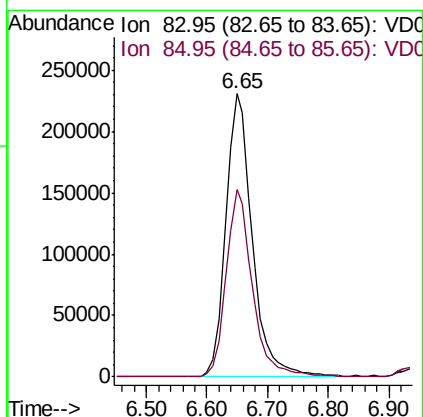
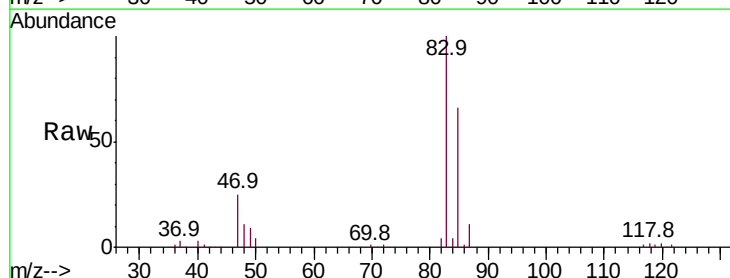
Acq: 19 Mar 2019 11:14

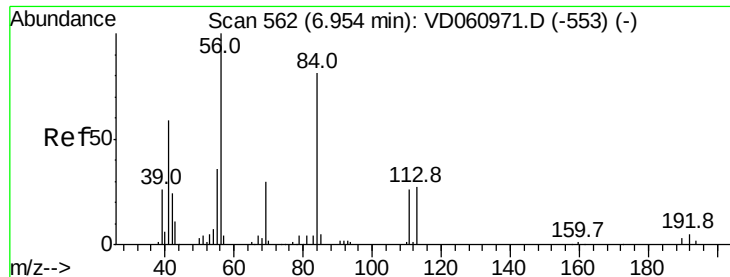
Tgt Ion: 83 Resp: 699159

Ion Ratio Lower Upper

83 100

85 66.3 53.0 79.4

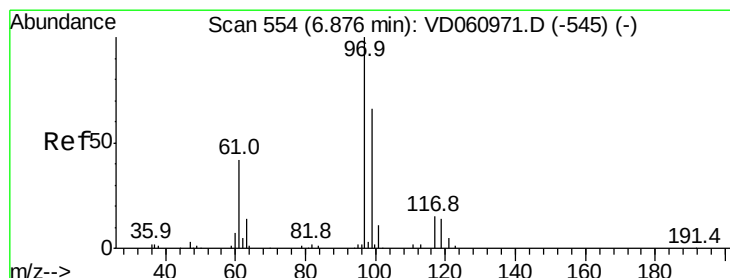
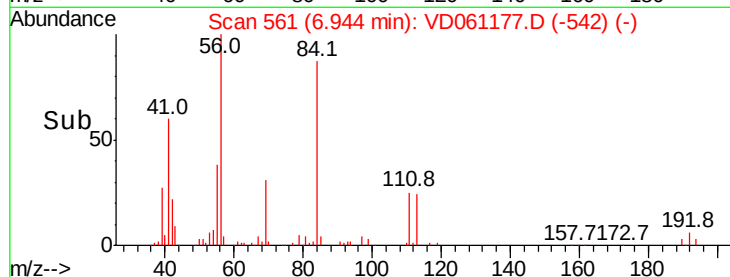
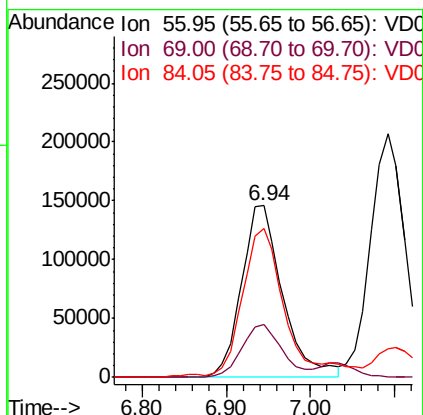
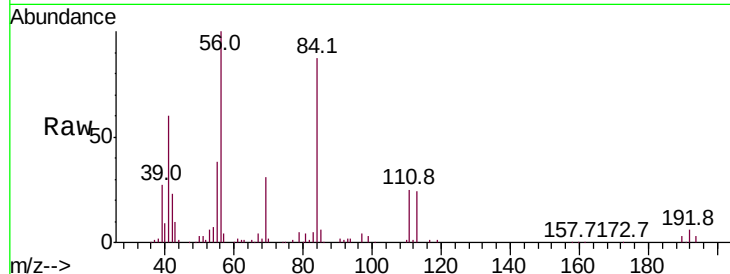




#31
Cyclohexane
Concen: 49.047 ug/l
RT: 6.94 min Scan# 561
Delta R.T. -0.01 min
Lab File: VD061177.D
Acq: 19 Mar 2019 11:14

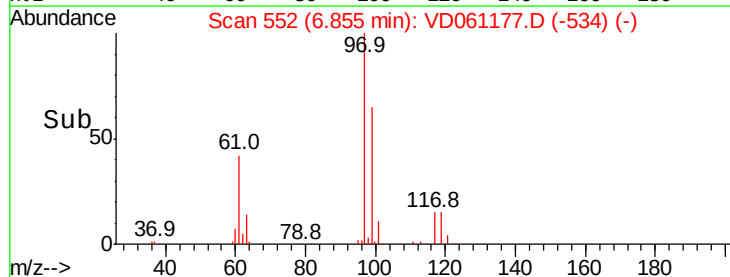
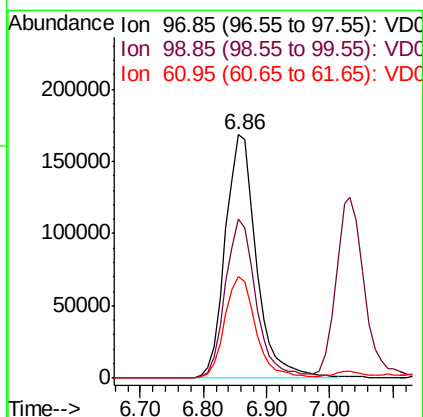
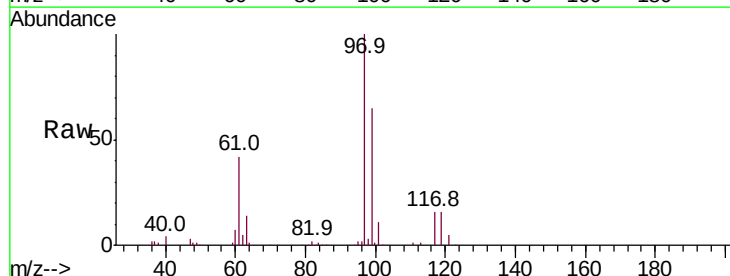
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

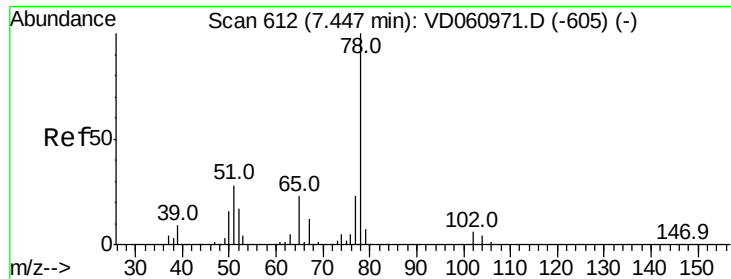
Tot Ion: 56 Resp: 497579
Ion Ratio Lower Upper
56 100
69 30.7 24.0 36.0
84 87.0 65.8 98.6



#32
1,1,1-Trichloroethane
Concen: 51.045 ug/l
RT: 6.86 min Scan# 552
Delta R.T. -0.02 min
Lab File: VD061177.D
Acq: 19 Mar 2019 11:14

Tgt Ion: 97 Resp: 575469
Ion Ratio Lower Upper
97 100
99 65.1 53.2 79.8
61 41.5 33.8 50.8

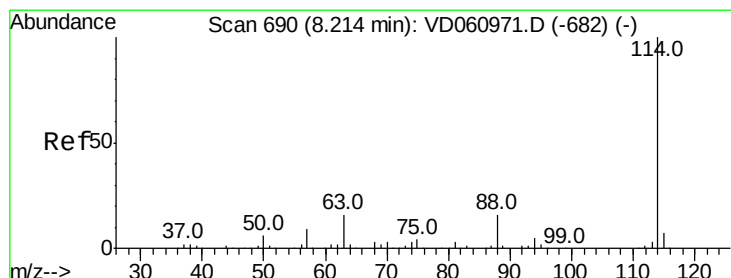
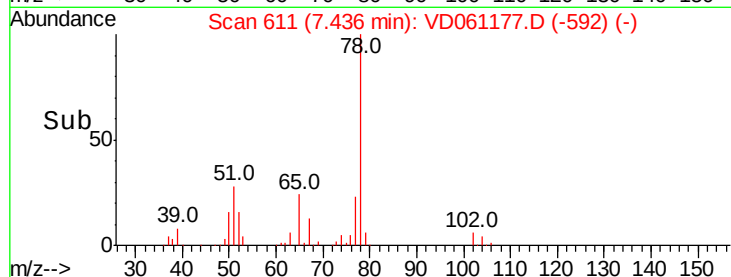
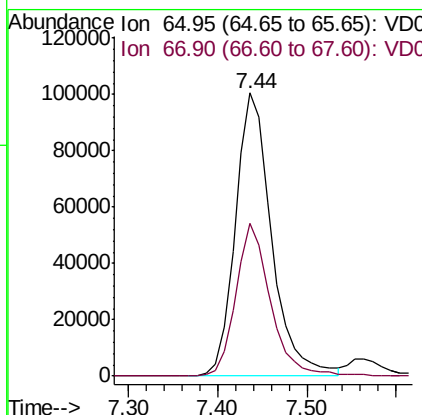
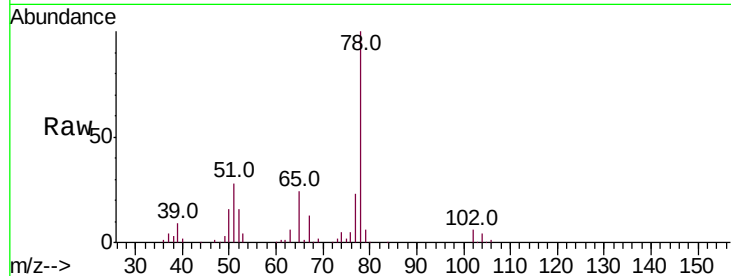




#33
 1,2-Dichloroethane-d4
 Concen: 51.045 ug/l
 RT: 7.44 min Scan# 611
 Delta R.T. -0.01 min
 Lab File: VD061177.D
 Acq: 19 Mar 2019 11:14

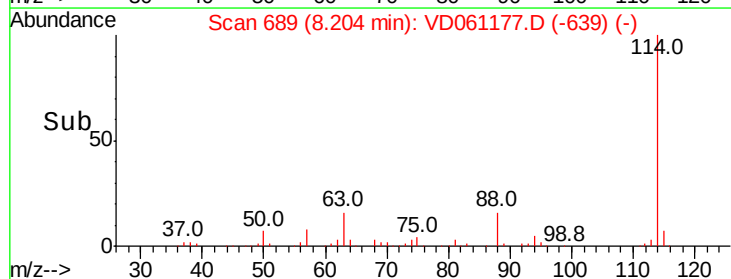
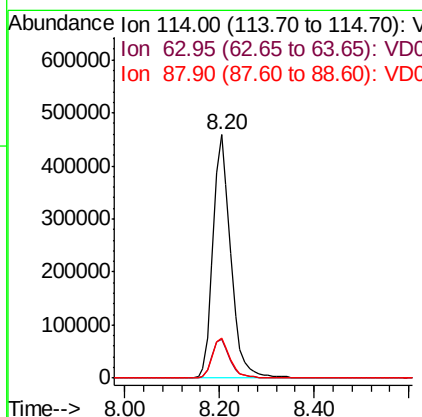
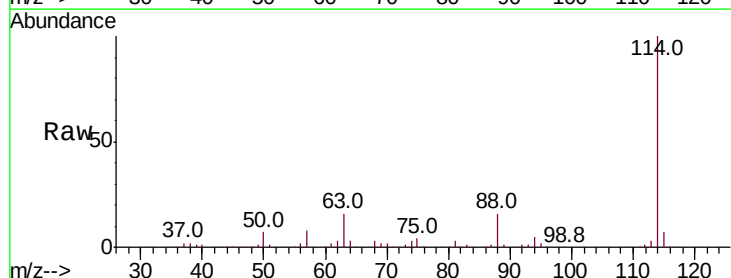
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

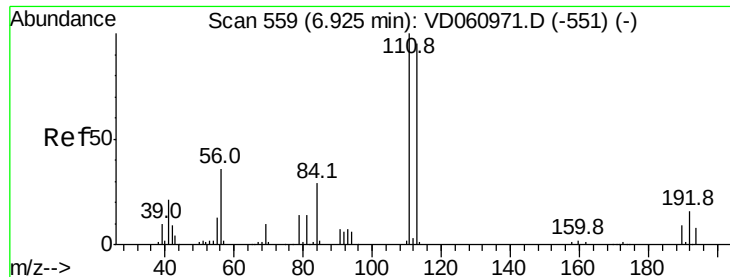
Tot Ion: 65 Resp: 283786
 Ion Ratio Lower Upper
 65 100
 67 54.0 0.0 105.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.20 min Scan# 689
 Delta R.T. -0.01 min
 Lab File: VD061177.D
 Acq: 19 Mar 2019 11:14

Tgt Ion: 114 Resp: 1202051
 Ion Ratio Lower Upper
 114 100
 63 16.0 0.0 31.4
 88 16.4 0.0 33.0





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 6.91 min Scan# 558

Delta R.T. -0.01 min

Lab File: VD061177.D

Acq: 19 Mar 2019 11:14

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

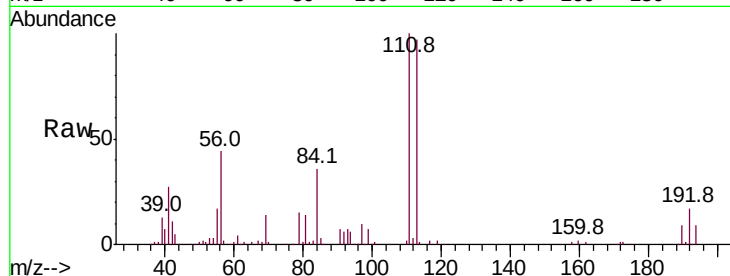
Tot Ion:113 Resp: 443743

Ion Ratio Lower Upper

113 100

111 102.7 84.2 126.4

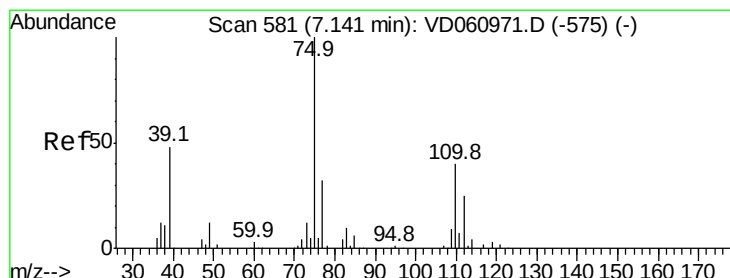
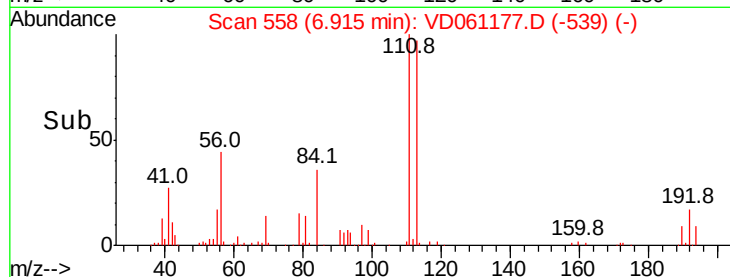
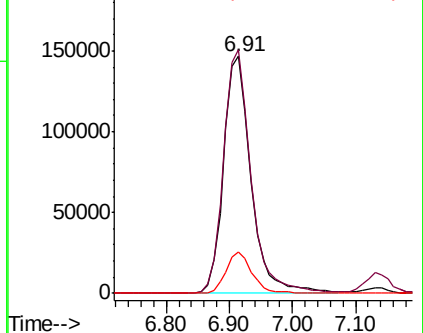
192 17.4 13.1 19.7



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: 45.534 ug/l

RT: 7.13 min Scan# 580

Delta R.T. -0.01 min

Lab File: VD061177.D

Acq: 19 Mar 2019 11:14

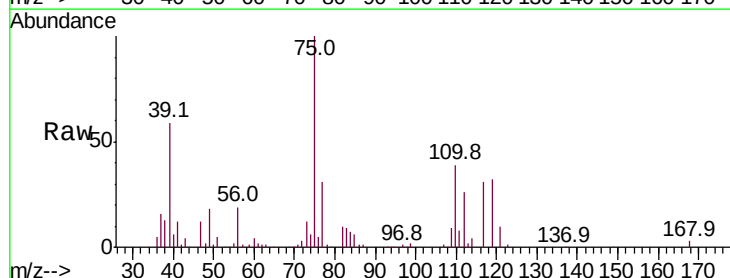
Tgt Ion: 75 Resp: 471799

Ion Ratio Lower Upper

75 100

110 39.2 19.7 59.1

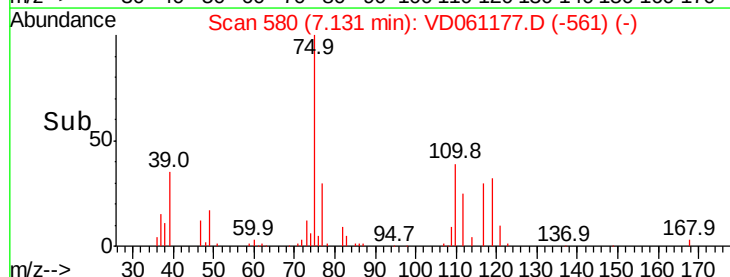
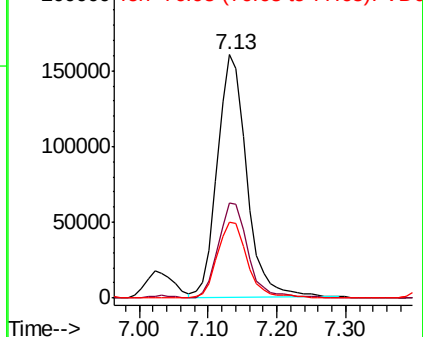
77 31.2 24.7 37.1

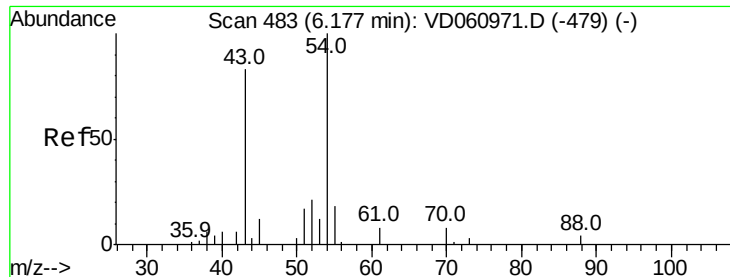


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): V

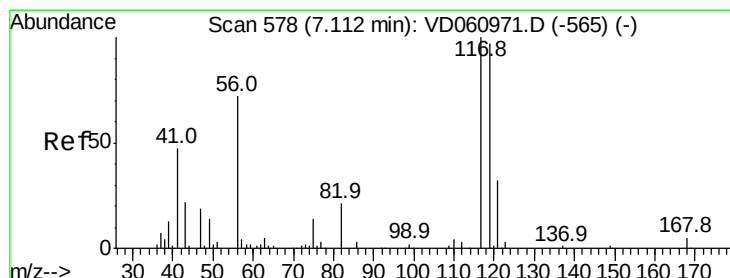
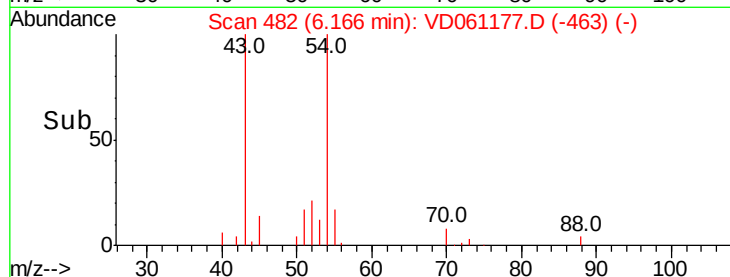
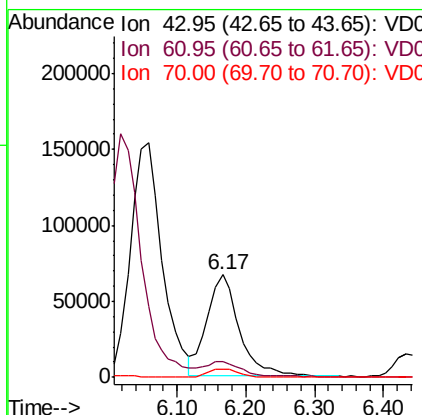
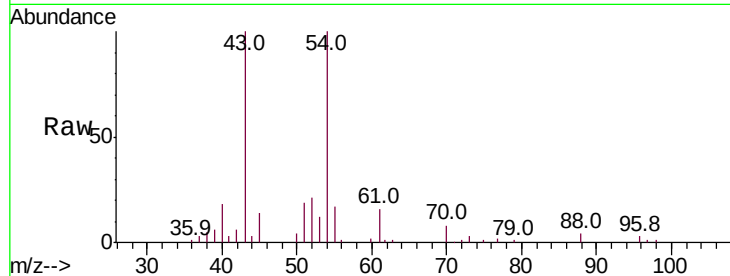




#37
Ethyl Acetate
Concen: 44.588 ug/l
RT: 6.17 min Scan# 482
Delta R.T. -0.01 min
Lab File: VD061177.D
Acq: 19 Mar 2019 11:14

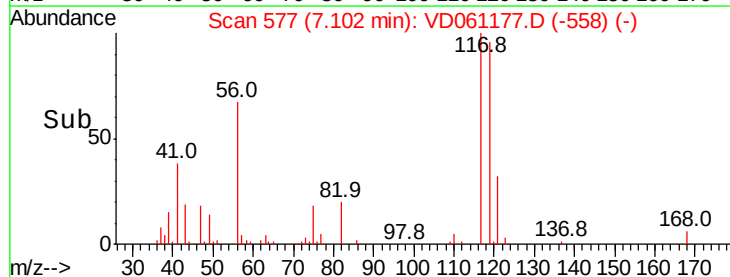
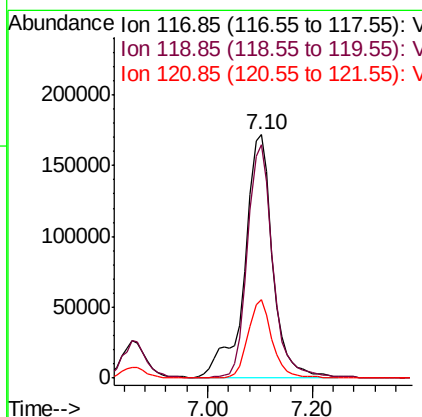
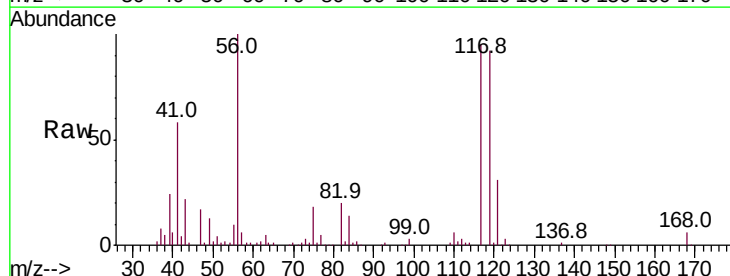
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

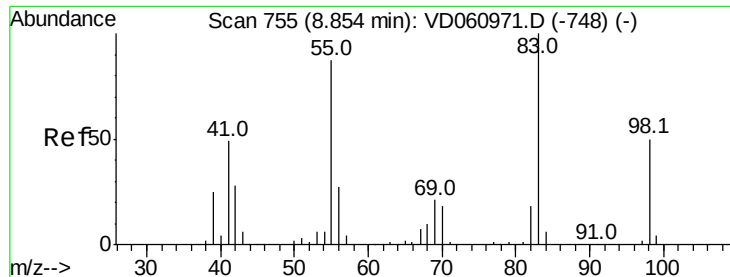
Tot Ion: 43 Resp: 216799
Ion Ratio Lower Upper
43 100
61 15.6 13.7 20.5
70 8.5 7.1 10.7



#38
Carbon Tetrachloride
Concen: 54.428 ug/l
RT: 7.10 min Scan# 577
Delta R.T. -0.01 min
Lab File: VD061177.D
Acq: 19 Mar 2019 11:14

Tgt Ion: 117 Resp: 621216
Ion Ratio Lower Upper
117 100
119 96.1 77.8 116.8
121 32.2 25.3 37.9

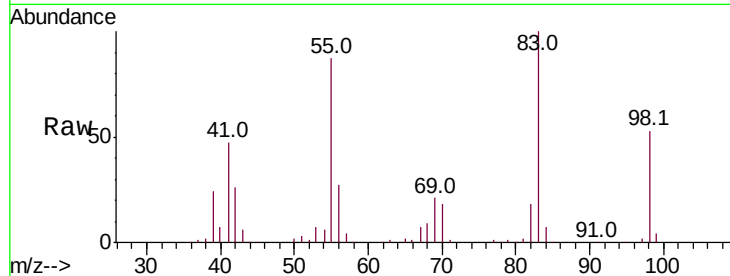




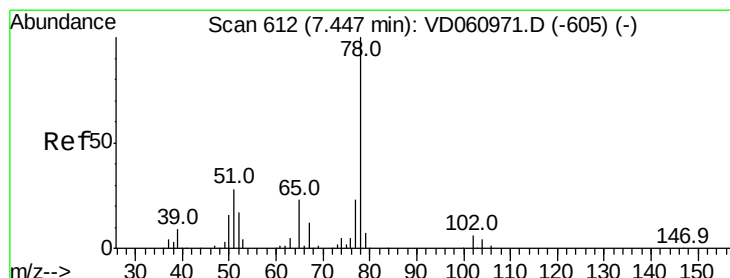
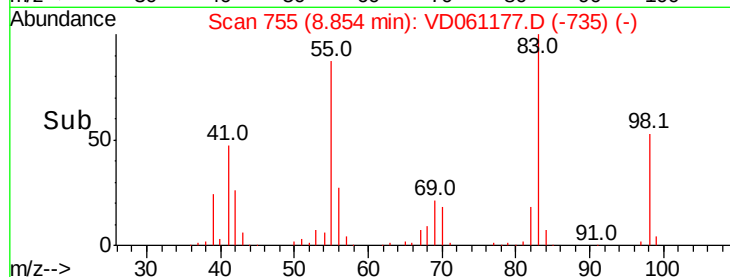
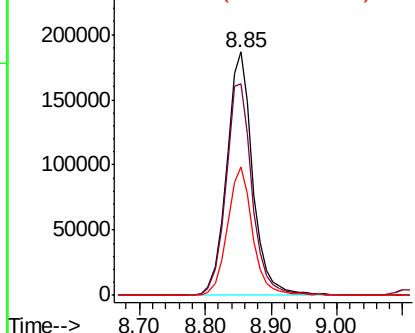
#39
Methylvlcyclohexane
Concen: 47.823 ug/l
RT: 8.85 min Scan# 755
Delta R.T. -0.00 min
Lab File: VD061177.D
Acq: 19 Mar 2019 11:14

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 83 Resp: 513818
Ion Ratio Lower Upper
83 100
55 86.8 69.6 104.4
98 52.8 40.0 60.0

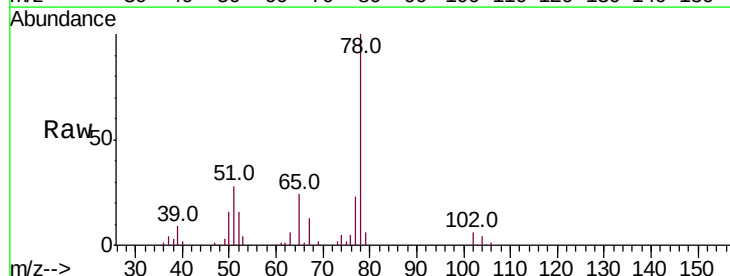


Abundance Ion 83.05 (82.75 to 83.75): VDC
Ion 55.00 (54.70 to 55.70): VDC
Ion 98.05 (97.75 to 98.75): VDC

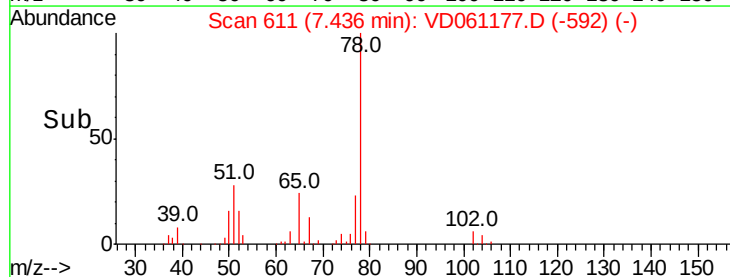
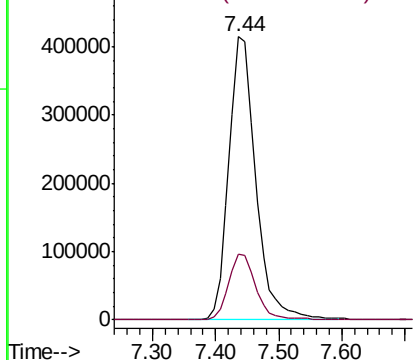


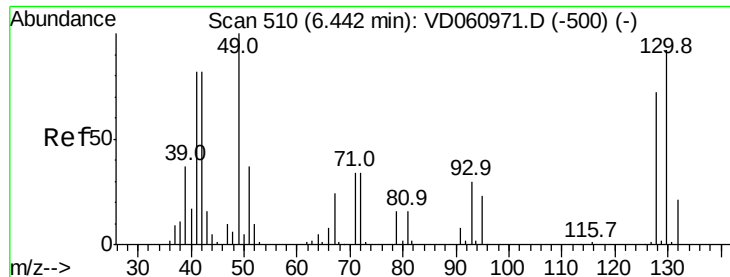
#40
Benzene
Concen: 47.300 ug/l
RT: 7.44 min Scan# 611
Delta R.T. -0.01 min
Lab File: VD061177.D
Acq: 19 Mar 2019 11:14

Tgt Ion: 78 Resp: 1224646
Ion Ratio Lower Upper
78 100
77 23.4 18.8 28.2



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

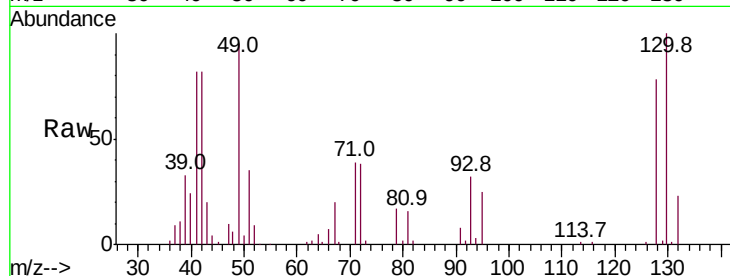




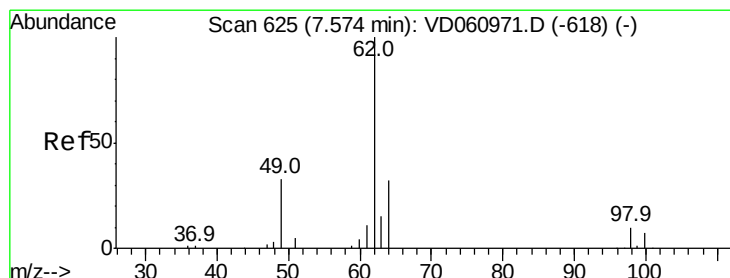
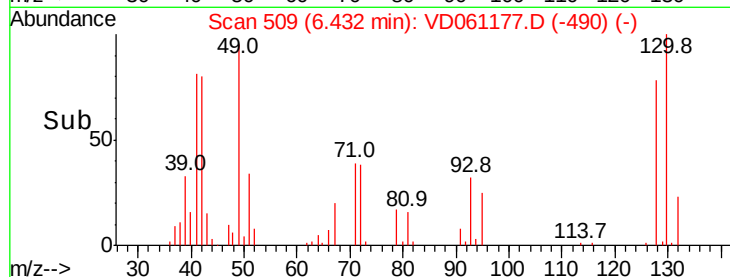
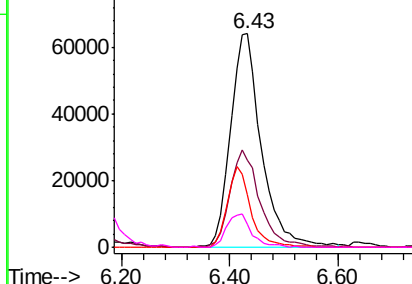
#41
Methacrylonitrile
Concen: 45.463 ug/l
RT: 6.43 min Scan# 509
Delta R.T. -0.01 min
Lab File: VD061177.D
Acq: 19 Mar 2019 11:14

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 41 Resp: 254261
Ion Ratio Lower Upper
41 100
39 40.5 35.7 53.5
67 24.9 23.0 34.6
52 10.6 9.2 13.8

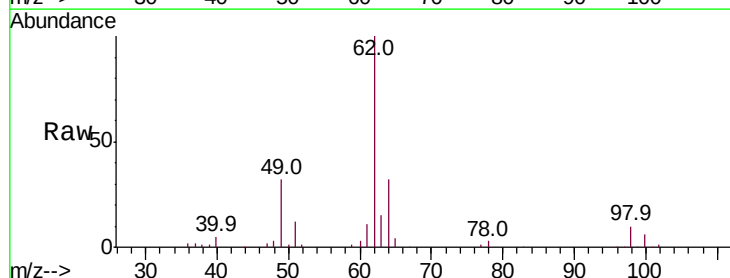


Abundance Ion 40.95 (40.65 to 41.65): VDC
100000 Ion 38.95 (38.65 to 39.65): VDC
80000 Ion 67.00 (66.70 to 67.70): VDC
60000 Ion 52.00 (51.70 to 52.70): VDC
40000
20000
0

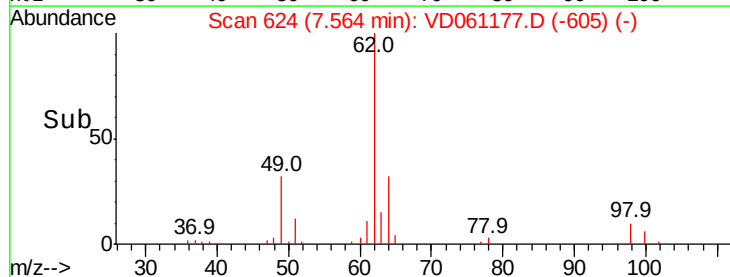
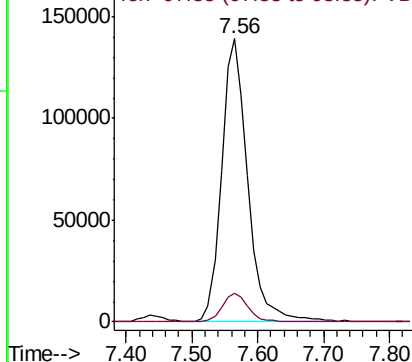


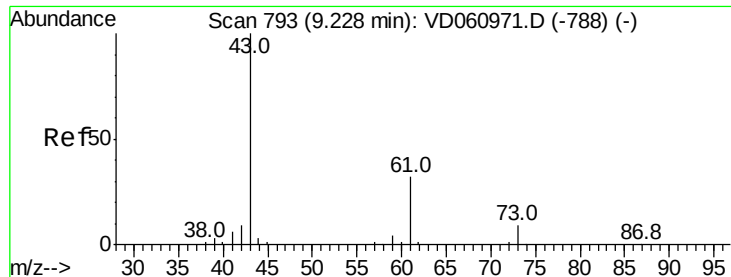
#42
1,2-Dichloroethane
Concen: 51.388 ug/l
RT: 7.56 min Scan# 624
Delta R.T. -0.01 min
Lab File: VD061177.D
Acq: 19 Mar 2019 11:14

Tgt Ion: 62 Resp: 386102
Ion Ratio Lower Upper
62 100
98 10.0 0.0 20.4



Abundance Ion 61.95 (61.65 to 62.65): VDC
150000 Ion 97.85 (97.55 to 98.55): VDC
100000
50000
0



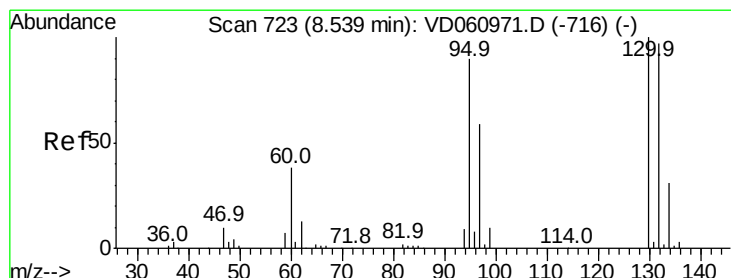
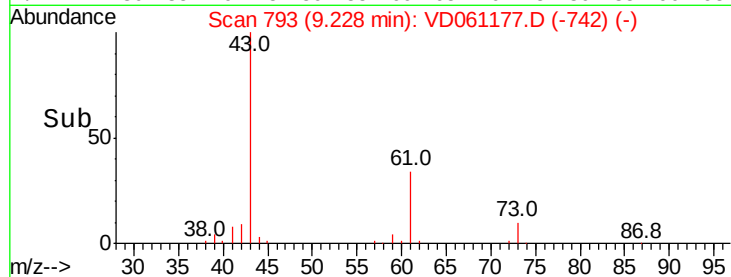
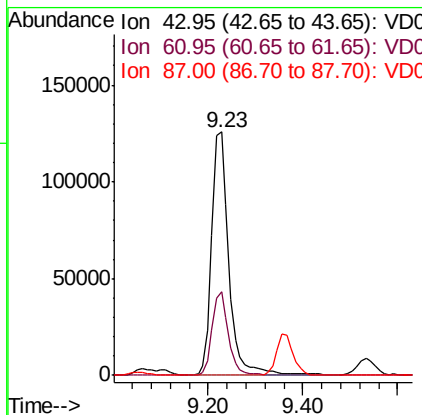
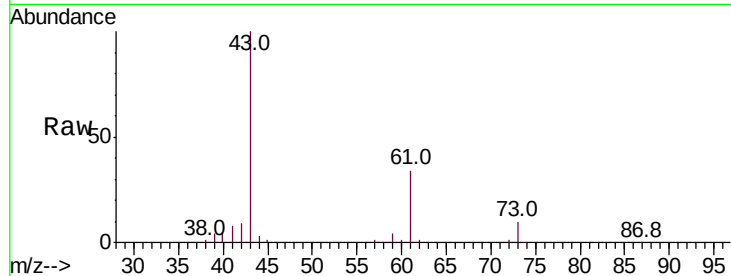


#43

Isopropyl Acetate
 Concen: 47.567 ug/l
 RT: 9.23 min Scan# 793
 Delta R.T. -0.00 min
 Lab File: VD061177.D
 Acq: 19 Mar 2019 11:14

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

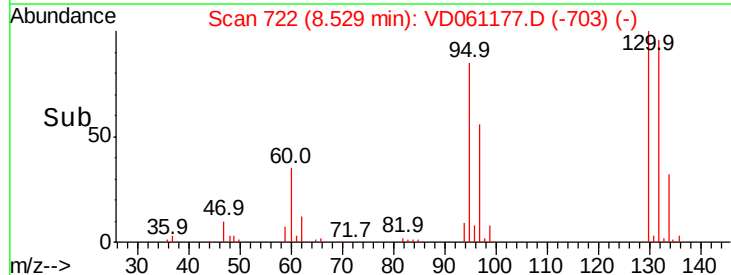
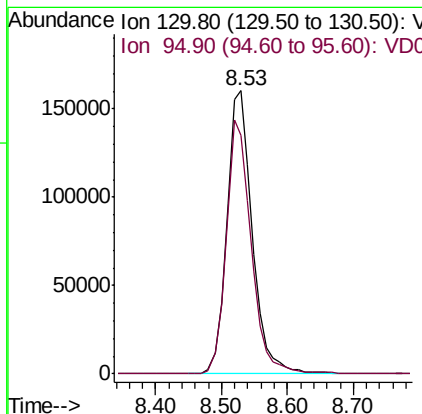
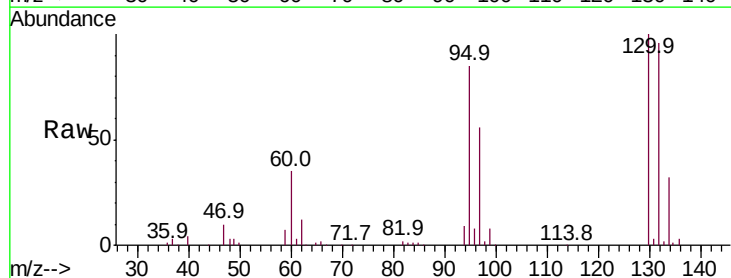
Tot Ion: 43 Resp: 320335
 Ion Ratio Lower Upper
 43 100
 61 34.2 25.6 38.4
 87 0.4 0.2 0.4#

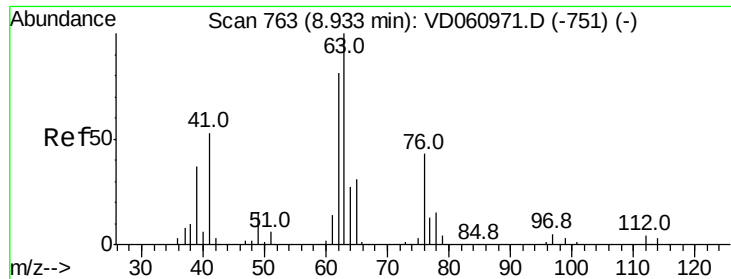


#44

Trichloroethene
 Concen: 48.356 ug/l
 RT: 8.53 min Scan# 722
 Delta R.T. -0.01 min
 Lab File: VD061177.D
 Acq: 19 Mar 2019 11:14

Tgt Ion: 130 Resp: 431924
 Ion Ratio Lower Upper
 130 100
 95 84.5 0.0 179.4

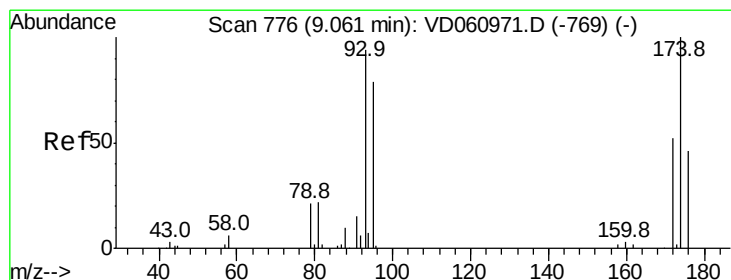
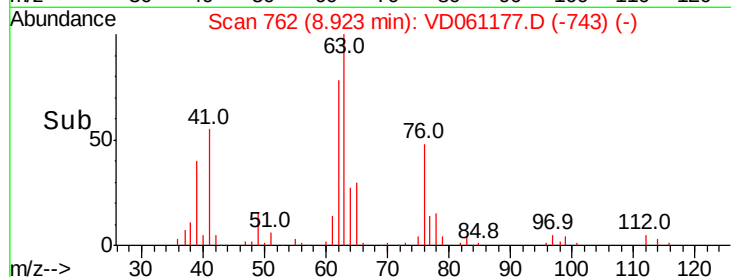
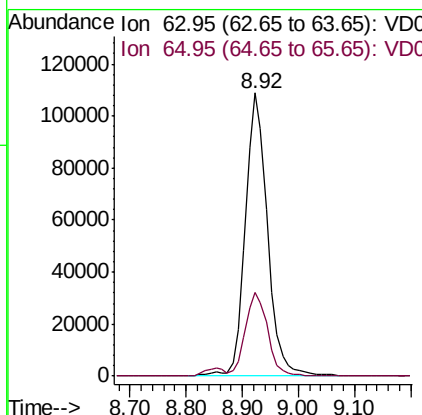
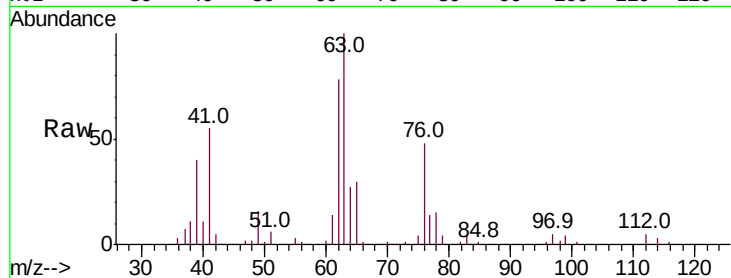




#45
 1,2-Dichloropropane
 Concen: 43.745 ug/l
 RT: 8.92 min Scan# 762
 Delta R.T. -0.01 min
 Lab File: VD061177.D
 Acq: 19 Mar 2019 11:14

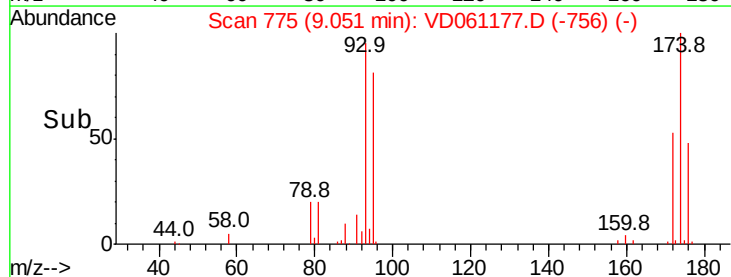
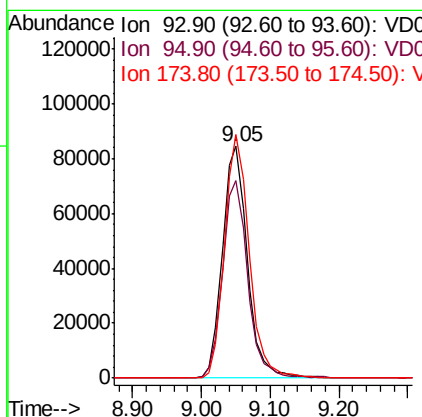
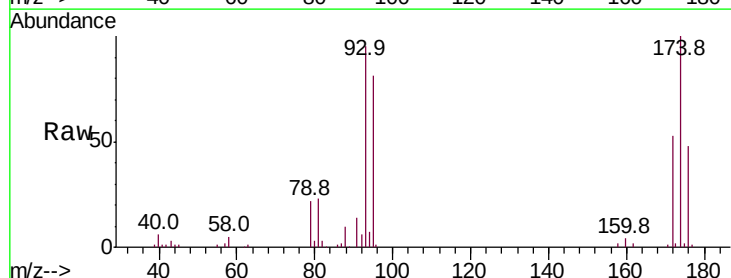
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

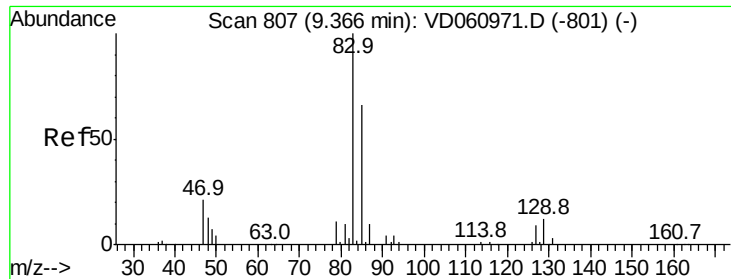
Tot Ion: 63 Resp: 297554
 Ion Ratio Lower Upper
 63 100
 65 29.8 24.8 37.2



#46
 Dibromomethane
 Concen: 49.000 ug/l
 RT: 9.05 min Scan# 775
 Delta R.T. -0.01 min
 Lab File: VD061177.D
 Acq: 19 Mar 2019 11:14

Tgt Ion: 93 Resp: 211423
 Ion Ratio Lower Upper
 93 100
 95 85.2 67.4 101.0
 174 105.0 85.4 128.0





#47

Bromodichloromethane

Concen: 50.518 ug/l

RT: 9.36 min Scan# 806

Delta R.T. -0.01 min

Lab File: VD061177.D

Acq: 19 Mar 2019 11:14

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

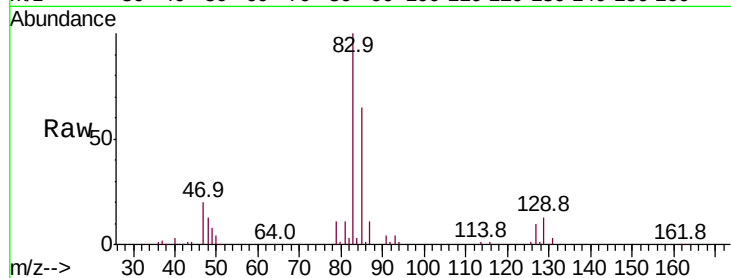
Tot Ion: 83 Resp: 491871

Ion Ratio Lower Upper

83 100

85 64.8 52.5 78.7

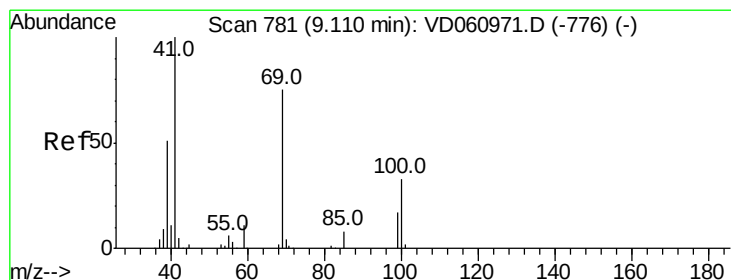
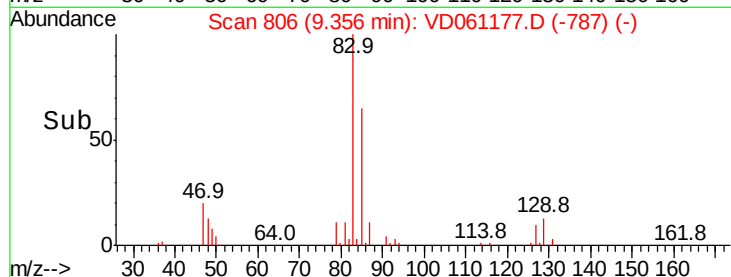
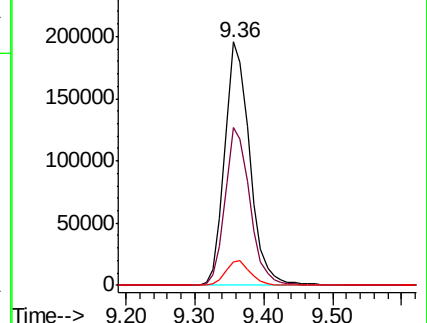
127 9.7 7.5 11.3



Abundance Ion 82.85 (82.55 to 83.55): VDC

Ion 84.95 (84.65 to 85.65): VDC

Ion 126.80 (126.50 to 127.50): VDC



#48

Methyl methacrylate

Concen: 44.043 ug/l

RT: 9.11 min Scan# 781

Delta R.T. -0.00 min

Lab File: VD061177.D

Acq: 19 Mar 2019 11:14

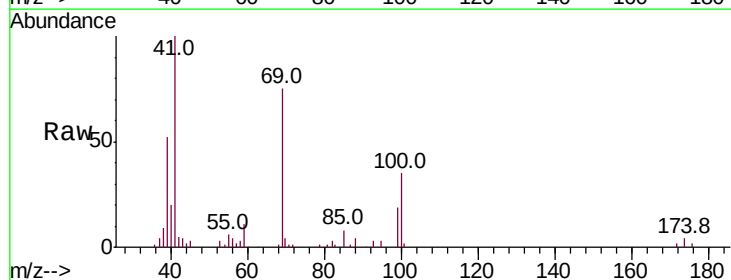
Tgt Ion: 41 Resp: 166997

Ion Ratio Lower Upper

41 100

69 75.0 59.9 89.9

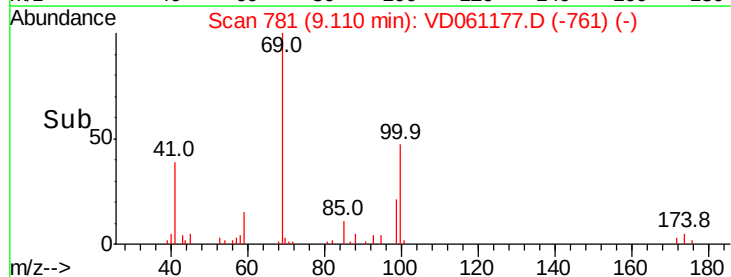
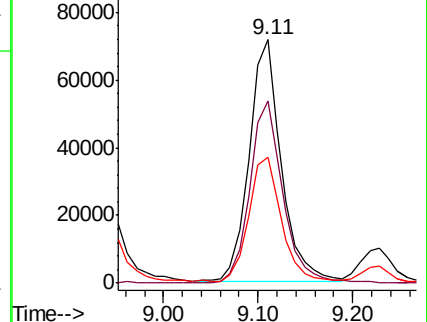
39 51.6 40.9 61.3

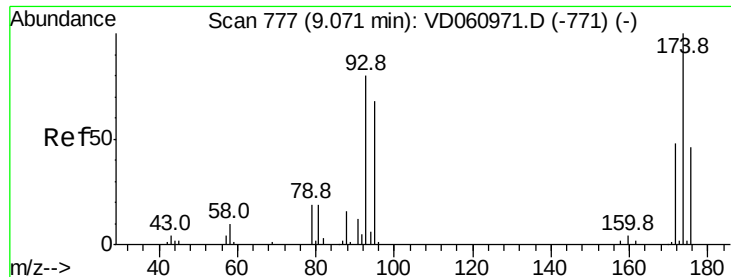


Abundance Ion 40.95 (40.65 to 41.65): VDC

Ion 69.00 (68.70 to 69.70): VDC

Ion 38.95 (38.65 to 39.65): VDC





#49

1,4-Dioxane

Concen: 950.280 ug/l

RT: 9.06 min Scan# 776

Delta R.T. -0.01 min

Lab File: VD061177.D

Acq: 19 Mar 2019 11:14

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

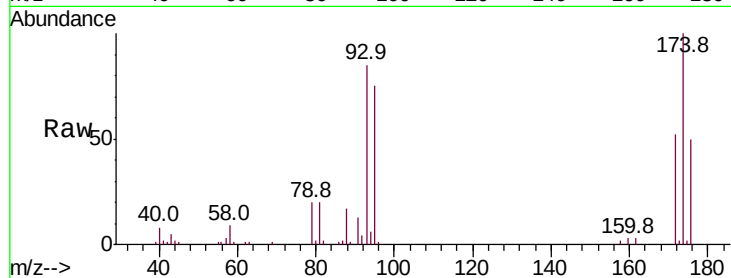
Tot Ion: 88 Resp: 36435

Ion Ratio Lower Upper

88 100

43 29.0 21.0 31.6

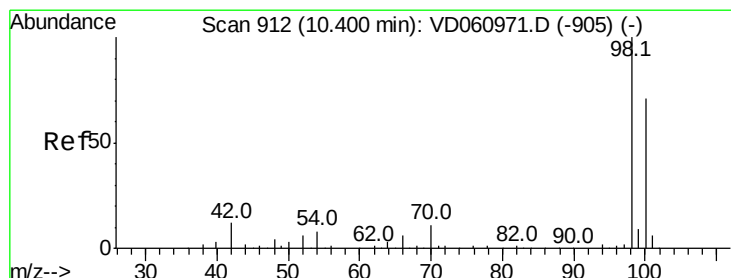
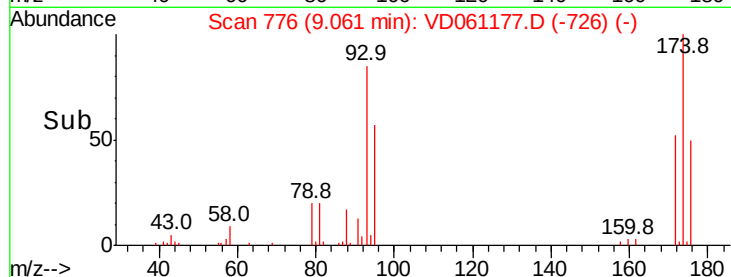
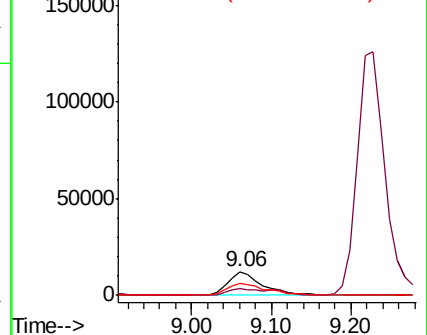
58 52.0 48.6 72.8



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: 950.280 ug/l

RT: 10.40 min Scan# 912

Delta R.T. -0.00 min

Lab File: VD061177.D

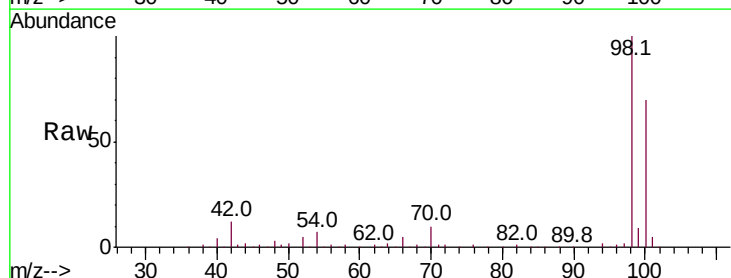
Acq: 19 Mar 2019 11:14

Tgt Ion: 98 Resp: 1045464

Ion Ratio Lower Upper

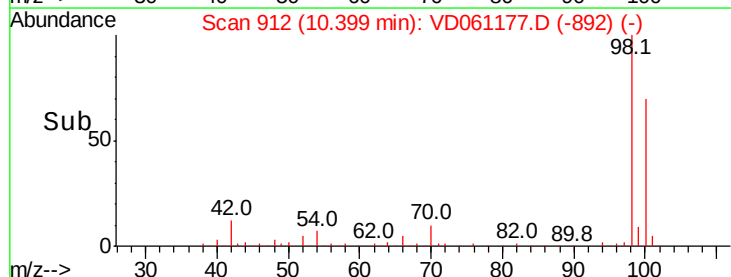
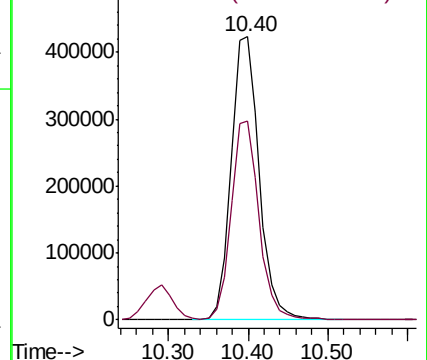
98 100

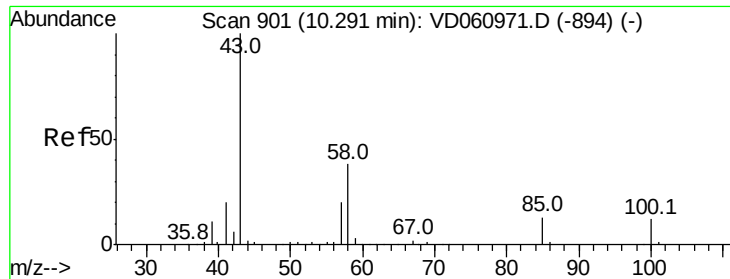
100 70.4 57.4 86.2



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: 234.756 ug/l

RT: 10.29 min Scan# 901

Delta R.T. -0.00 min

Lab File: VD061177.D

Acq: 19 Mar 2019 11:14

Instrument :

MSVOA_D

ClientSampleId :

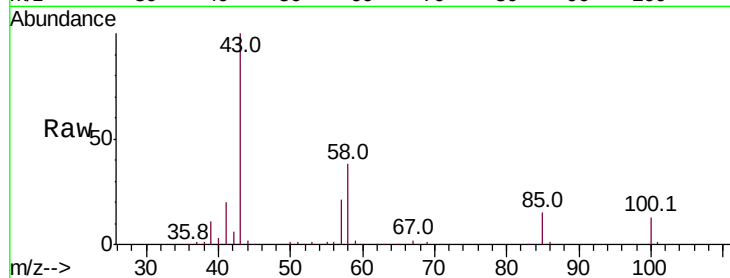
VSTDCCC050

Tot Ion: 43 Resp: 968534

Ion Ratio Lower Upper

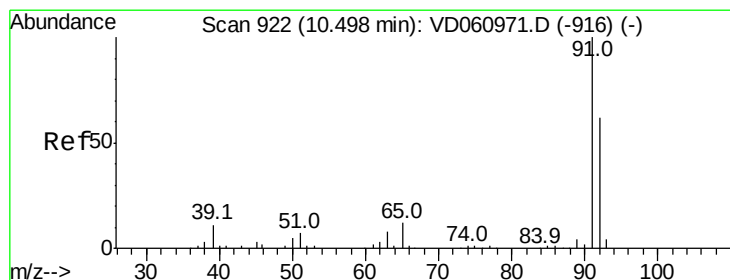
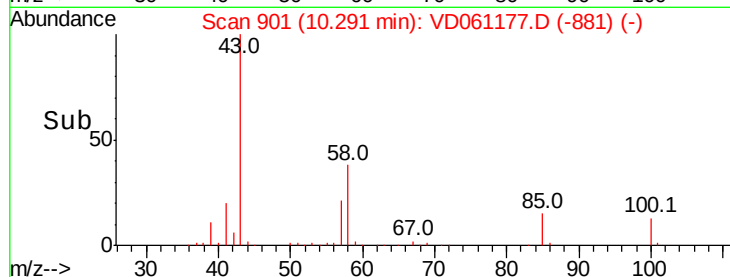
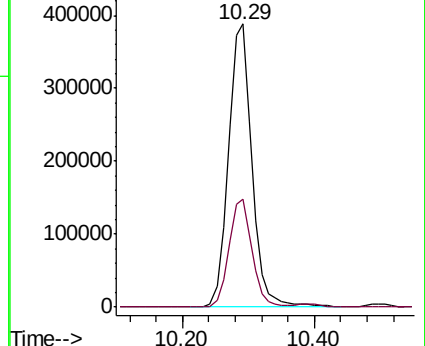
43 100

58 38.3 30.2 45.2



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#52

Toluene

Concen: 41.016 ug/l

RT: 10.50 min Scan# 922

Delta R.T. -0.00 min

Lab File: VD061177.D

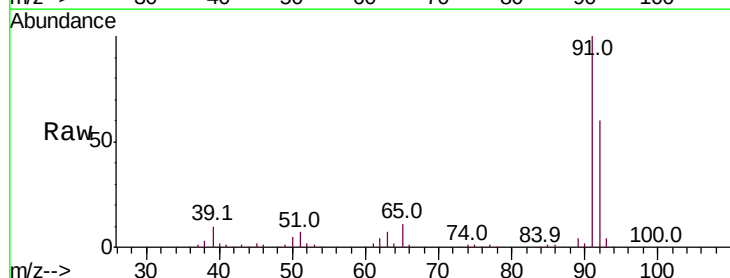
Acq: 19 Mar 2019 11:14

Tgt Ion: 92 Resp: 660346

Ion Ratio Lower Upper

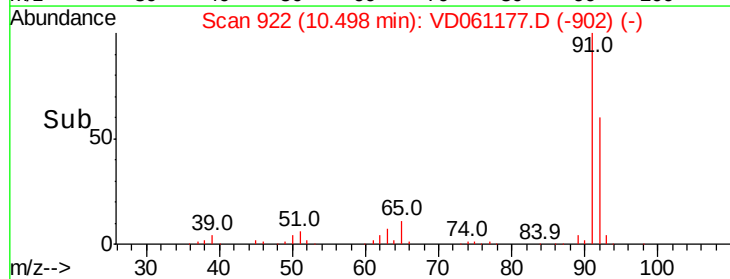
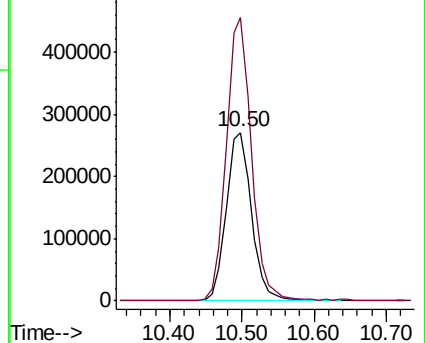
92 100

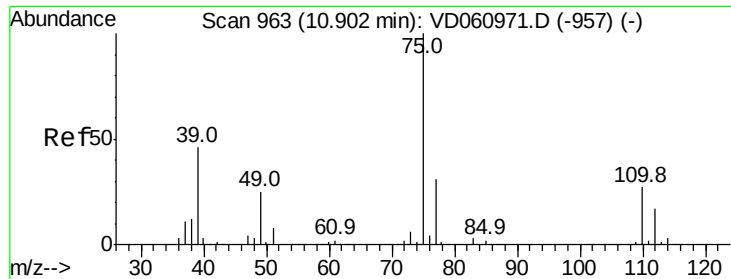
91 167.8 129.8 194.8



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

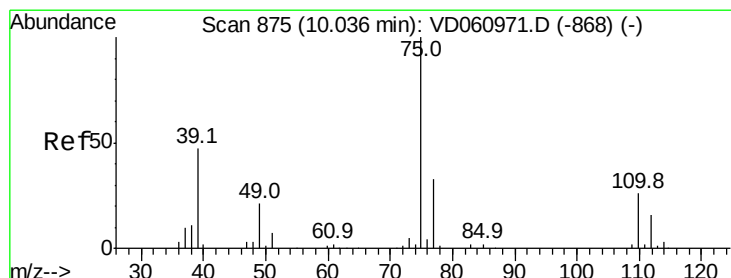
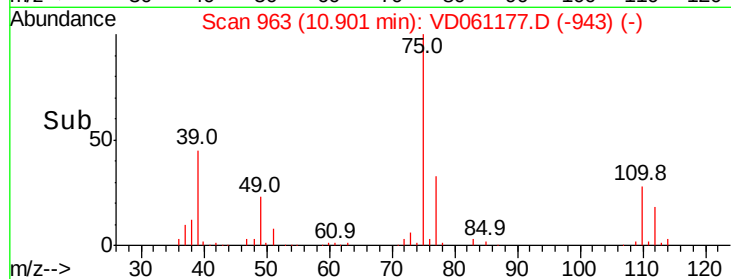
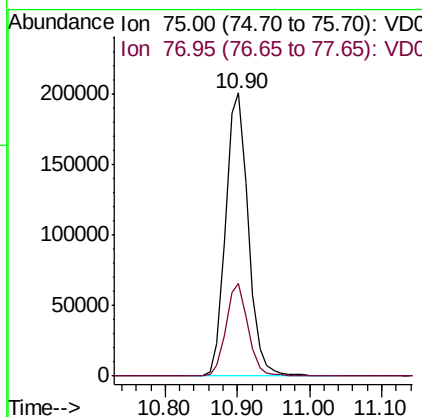
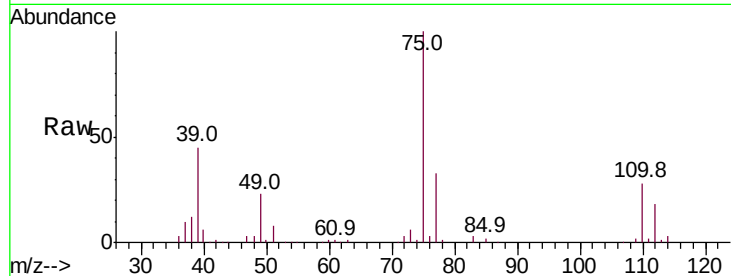




#53
 t-1,3-Dichloropropene
 Concen: 49.314 ug/l
 RT: 10.90 min Scan# 963
 Delta R.T. -0.00 min
 Lab File: VD061177.D
 Acq: 19 Mar 2019 11:14

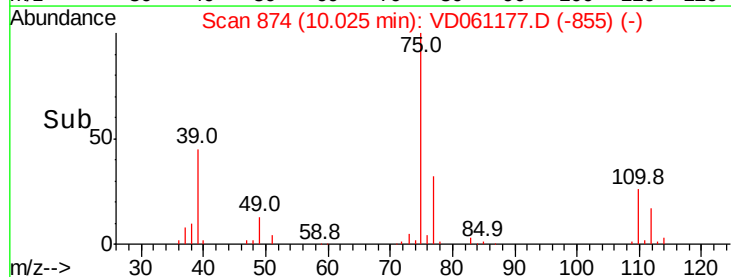
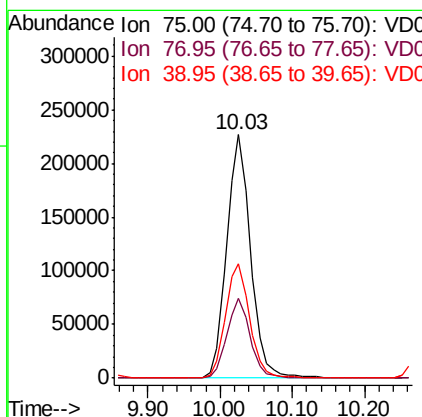
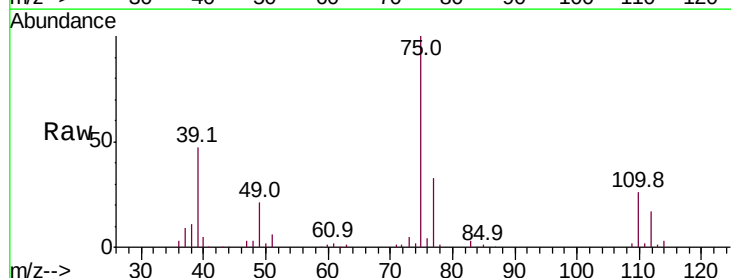
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

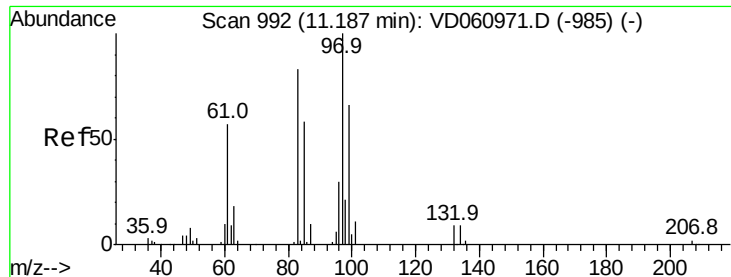
Tot Ion: 75 Resp: 439044
 Ion Ratio Lower Upper
 75 100
 77 32.8 24.7 37.1



#54
 cis-1,3-Dichloropropene
 Concen: 48.676 ug/l
 RT: 10.03 min Scan# 874
 Delta R.T. -0.01 min
 Lab File: VD061177.D
 Acq: 19 Mar 2019 11:14

Tgt Ion: 75 Resp: 520702
 Ion Ratio Lower Upper
 75 100
 77 32.7 26.2 39.4
 39 47.0 37.8 56.8





#55

1,1,2-Trichloroethane

Concen: 49.027 ug/l

RT: 11.18 min Scan# 991

Delta R.T. -0.01 min

Lab File: VD061177.D

Acq: 19 Mar 2019 11:14

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 97 Resp: 262861

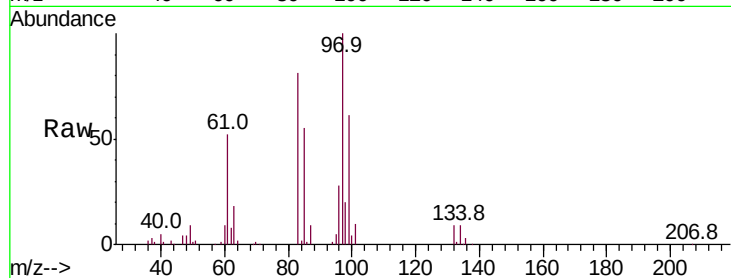
Ion Ratio Lower Upper

97 100

83 81.0 66.6 100.0

85 55.2 46.4 69.6

99 60.5 52.4 78.6

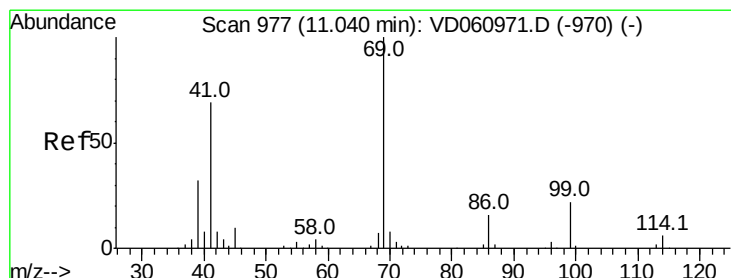
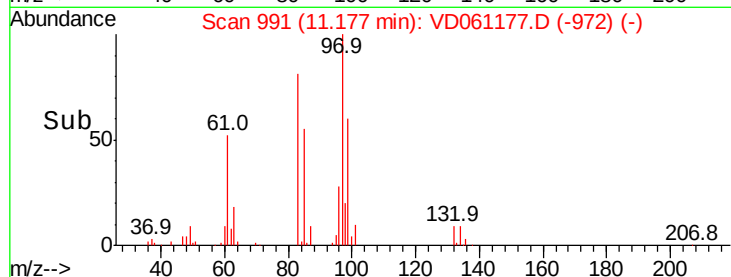
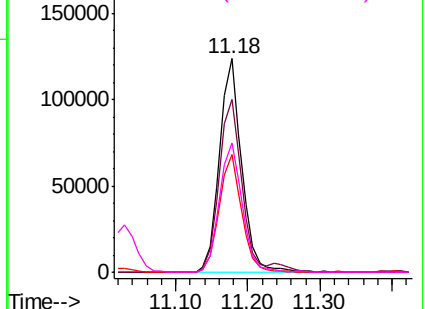


Abundance Ion 96.85 (96.55 to 97.55): VDC

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: 48.112 ug/l

RT: 11.03 min Scan# 976

Delta R.T. -0.01 min

Lab File: VD061177.D

Acq: 19 Mar 2019 11:14

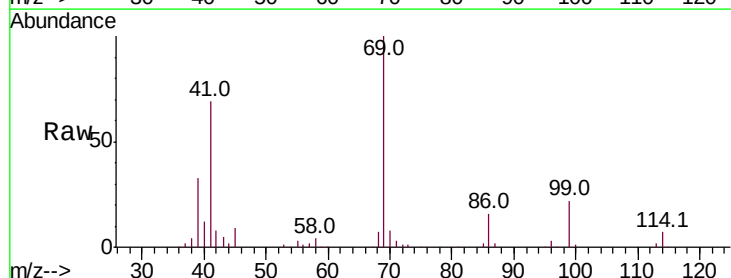
Tgt Ion: 69 Resp: 270005

Ion Ratio Lower Upper

69 100

41 69.4 55.5 83.3

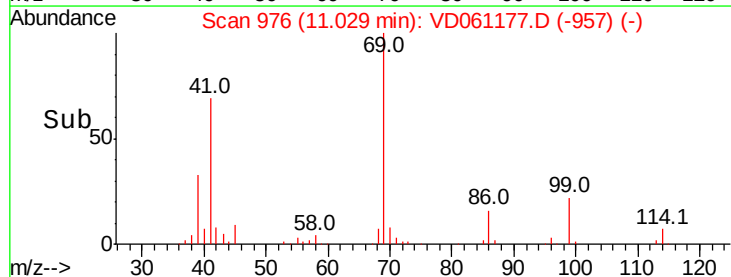
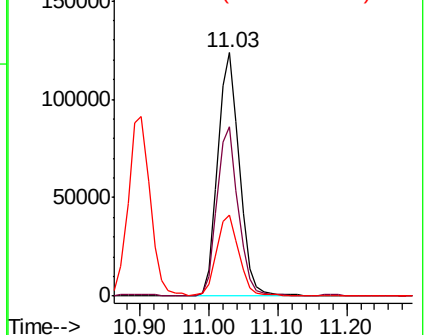
39 33.5 26.2 39.2

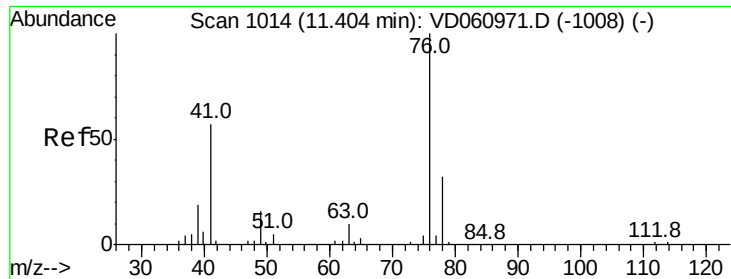


Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC





#57

1,3-Dichloropropane

Concen: 51.859 ug/l

RT: 11.39 min Scan# 1013

Delta R.T. -0.01 min

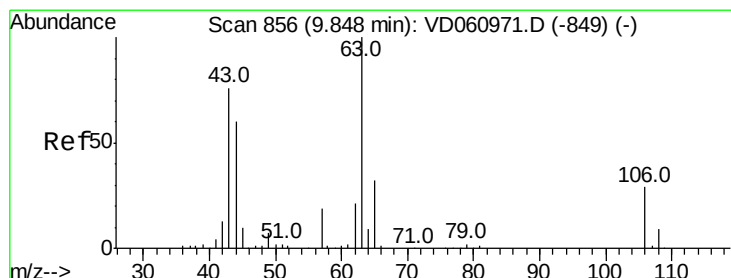
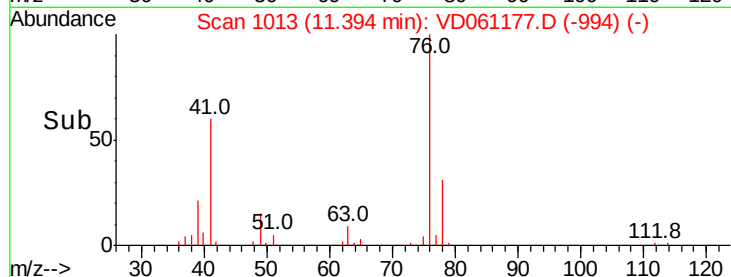
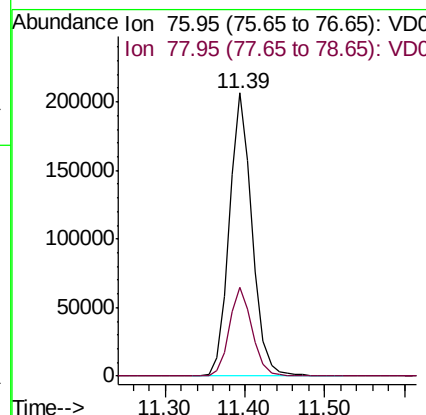
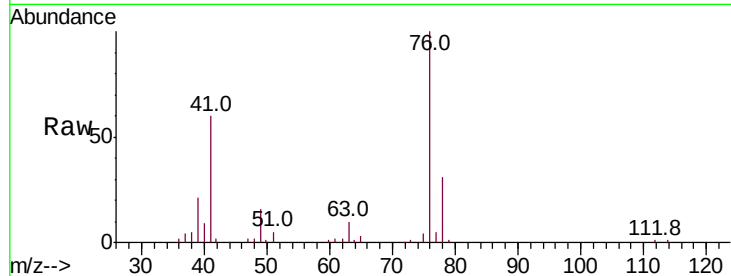
Lab File: VD061177.D

Acq: 19 Mar 2019 11:14

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 76 Resp: 415509

Ion	Ratio	Lower	Upper
76	100		
78	31.5	25.4	38.0



#58

2-Chloroethyl Vinyl ether

Concen: 211.707 ug/l

RT: 9.85 min Scan# 856

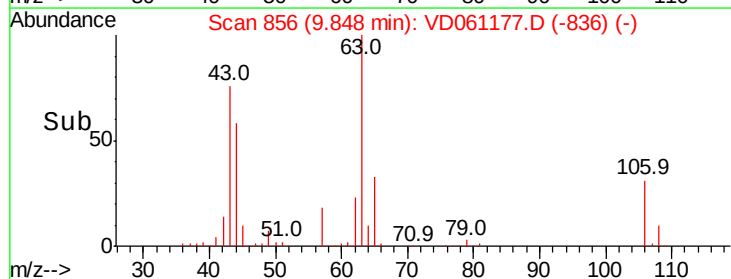
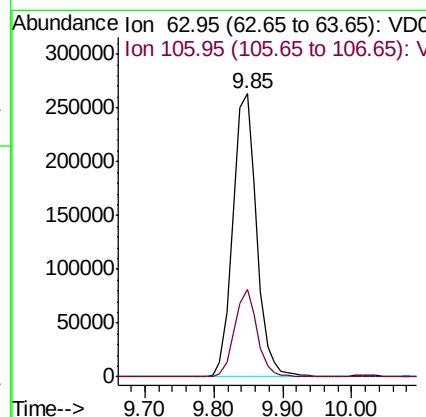
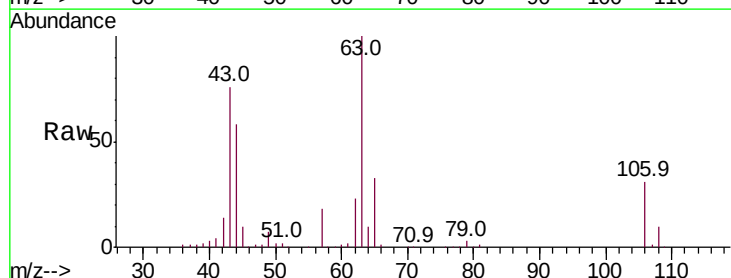
Delta R.T. -0.00 min

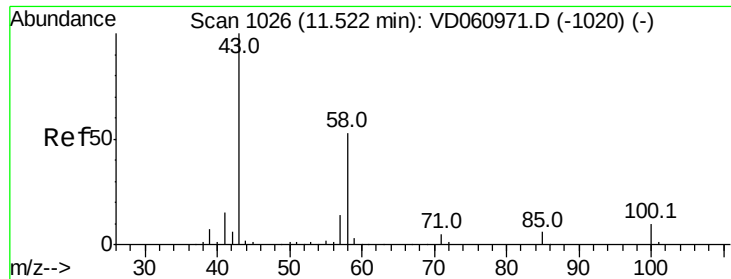
Lab File: VD061177.D

Acq: 19 Mar 2019 11:14

Tgt Ion: 63 Resp: 628895

Ion	Ratio	Lower	Upper
63	100		
106	31.1	22.8	34.2

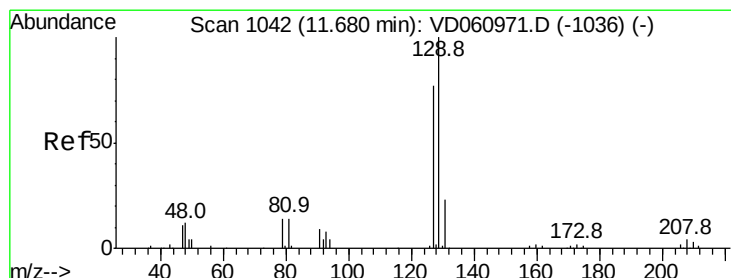
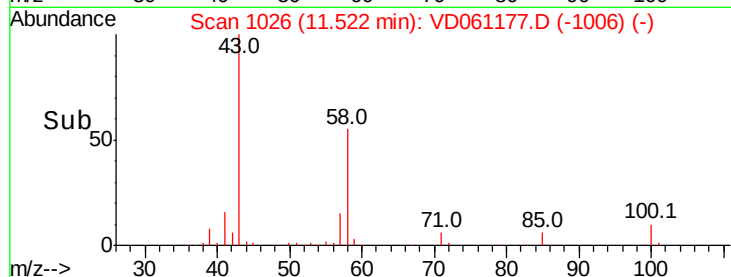
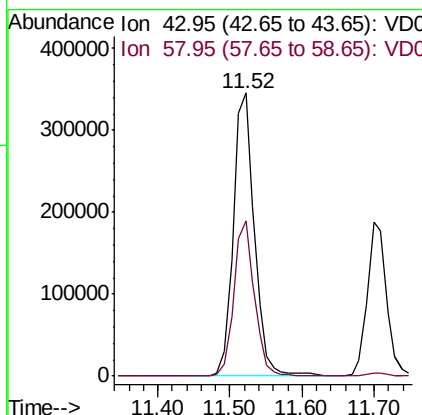
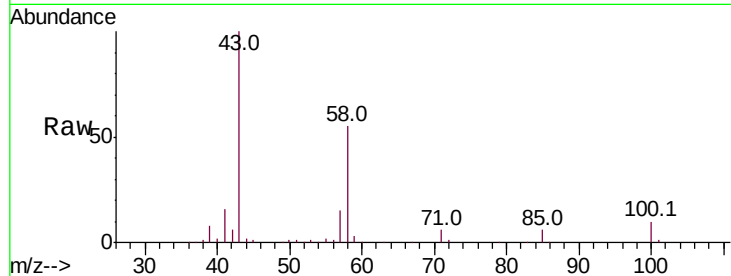




#59
2-Hexanone
Concen: 233.574 ug/l
RT: 11.52 min Scan# 1026
Delta R.T. -0.00 min
Lab File: VD061177.D
Acq: 19 Mar 2019 11:14

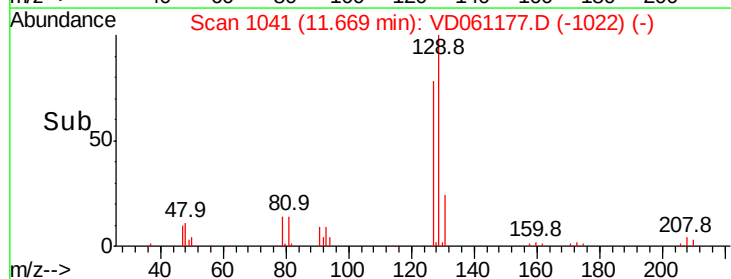
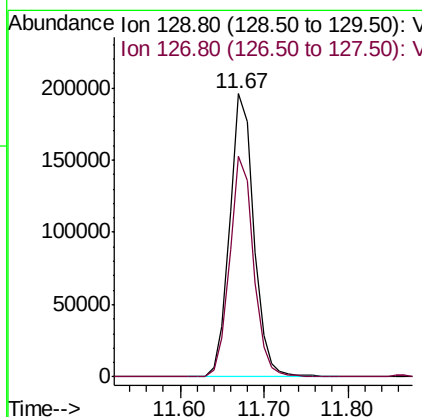
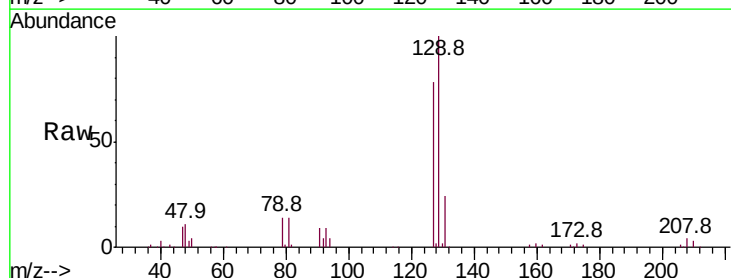
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

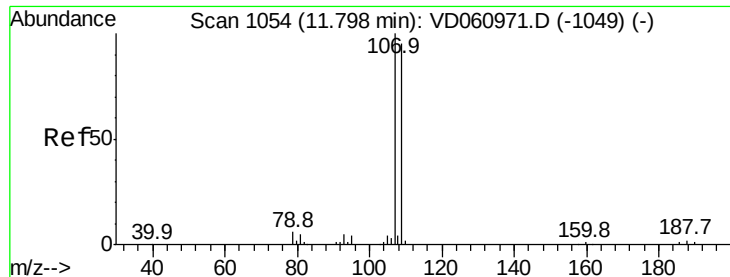
Tot Ion: 43 Resp: 704910
Ion Ratio Lower Upper
43 100
58 55.0 26.5 79.5



#60
Dibromochloromethane
Concen: 49.534 ug/l
RT: 11.67 min Scan# 1041
Delta R.T. -0.01 min
Lab File: VD061177.D
Acq: 19 Mar 2019 11:14

Tgt Ion: 129 Resp: 390862
Ion Ratio Lower Upper
129 100
127 78.0 38.3 114.9

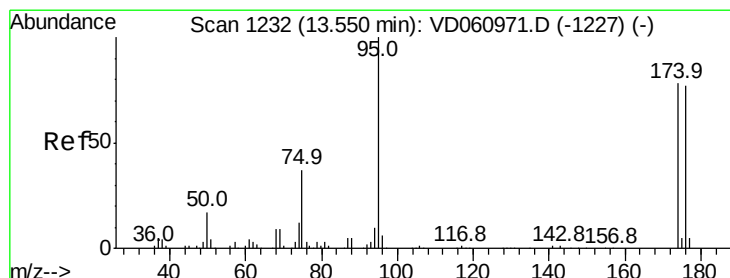
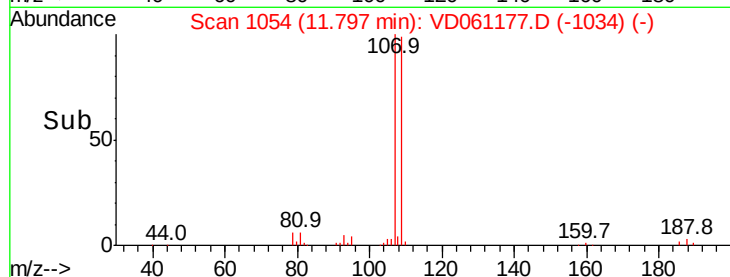
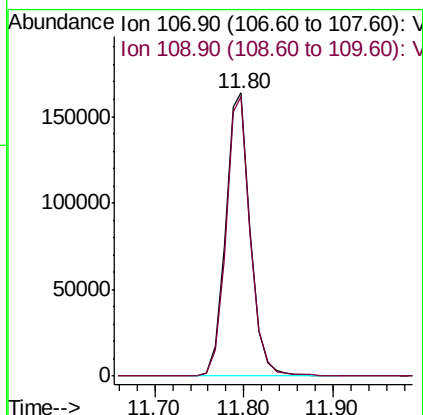
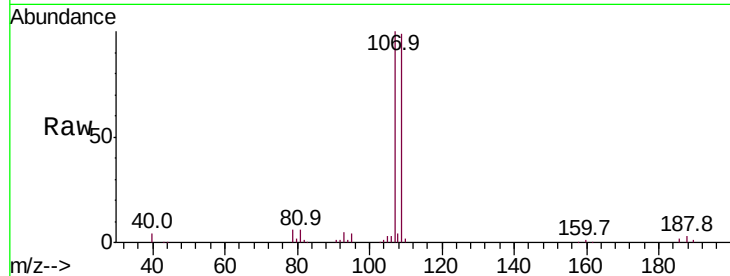




#61
 1,2-Dibromoethane
 Concen: 51.057 ug/l
 RT: 11.80 min Scan# 1054
 Delta R.T. -0.00 min
 Lab File: VD061177.D
 Acq: 19 Mar 2019 11:14

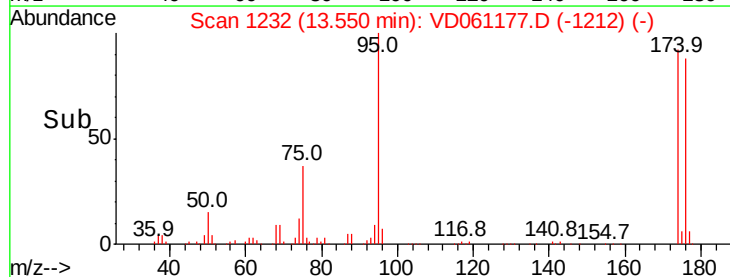
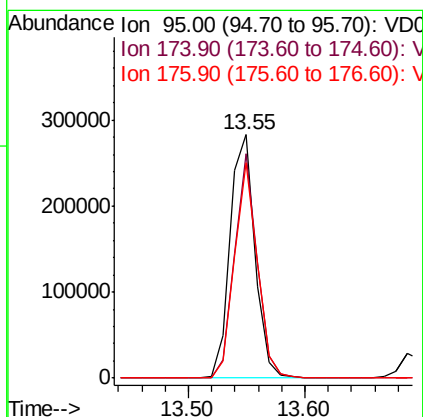
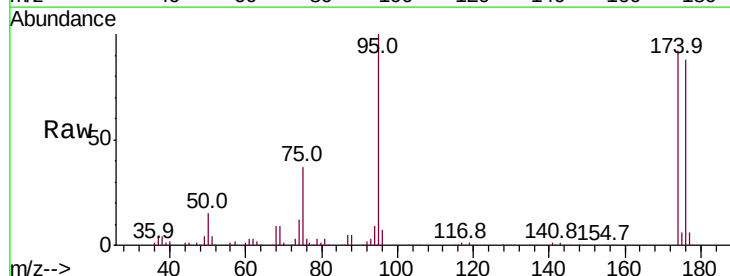
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

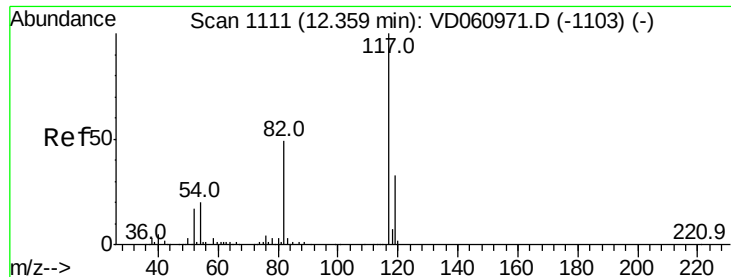
Tot Ion:107 Resp: 318444
 Ion Ratio Lower Upper
 107 100
 109 98.6 75.6 113.4



#62
 4-Bromofluorobenzene
 Concen: 51.057 ug/l
 RT: 13.55 min Scan# 1232
 Delta R.T. -0.00 min
 Lab File: VD061177.D
 Acq: 19 Mar 2019 11:14

Tgt Ion: 95 Resp: 417876
 Ion Ratio Lower Upper
 95 100
 174 92.1 0.0 155.6
 176 88.3 0.0 153.8

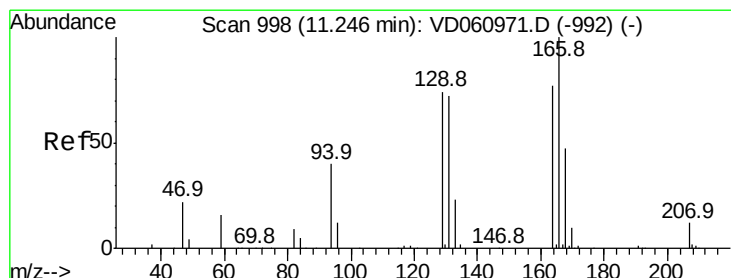
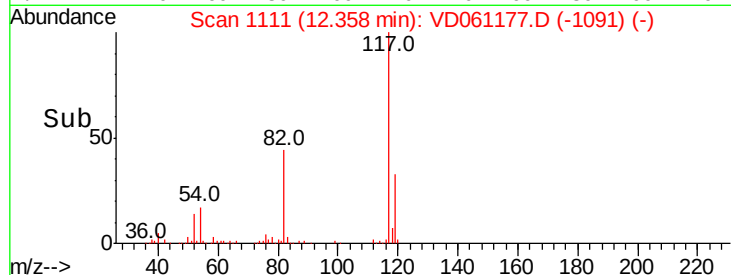
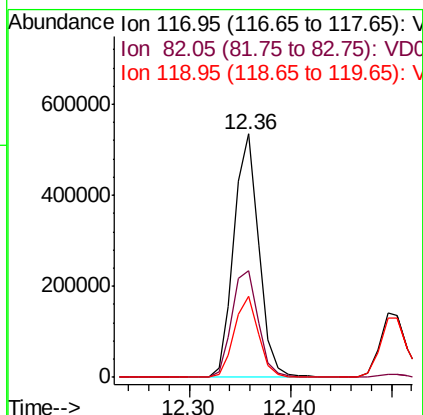
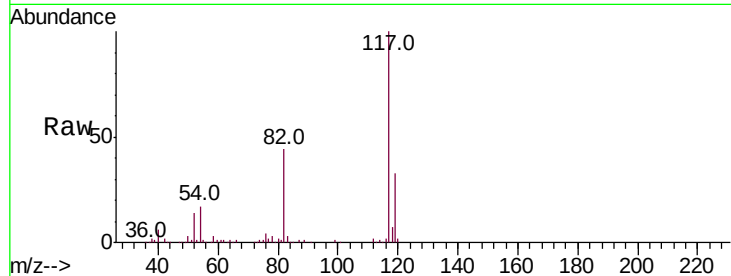




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.36 min Scan# 1111
Delta R.T. -0.00 min
Lab File: VD061177.D
Acq: 19 Mar 2019 11:14

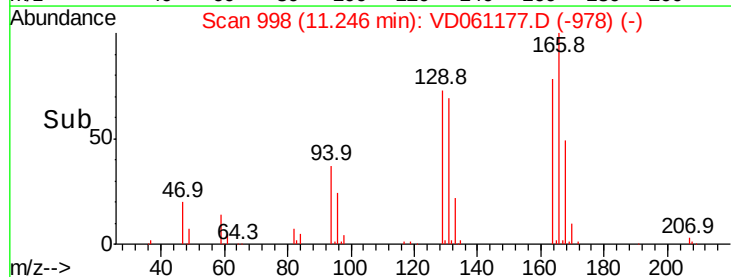
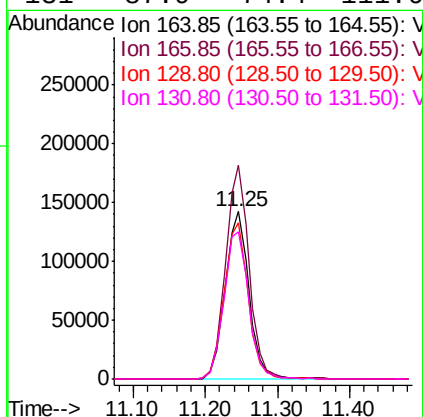
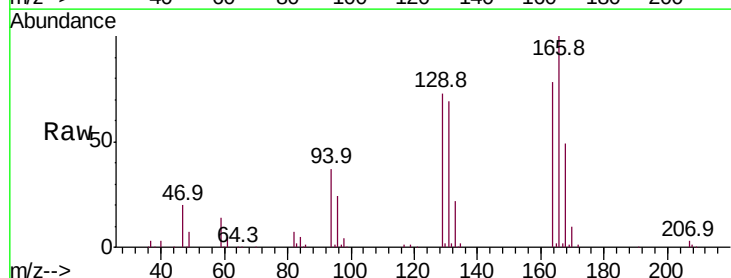
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

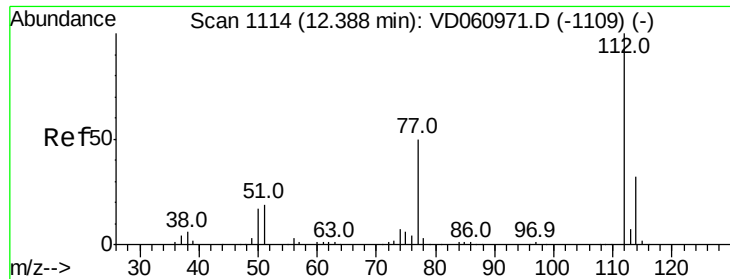
Tot Ion:117 Resp: 918698
Ion Ratio Lower Upper
117 100
82 43.6 38.9 58.3
119 33.4 26.6 39.8



#64
Tetrachloroethene
Concen: 52.115 ug/l
RT: 11.25 min Scan# 998
Delta R.T. -0.00 min
Lab File: VD061177.D
Acq: 19 Mar 2019 11:14

Tgt Ion:164 Resp: 323196
Ion Ratio Lower Upper
164 100
166 127.6 103.4 155.0
129 93.2 76.9 115.3
131 87.9 74.4 111.6

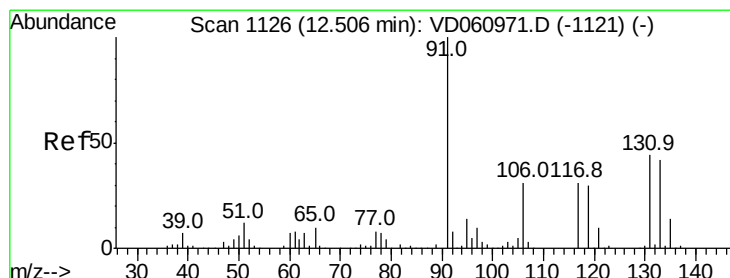
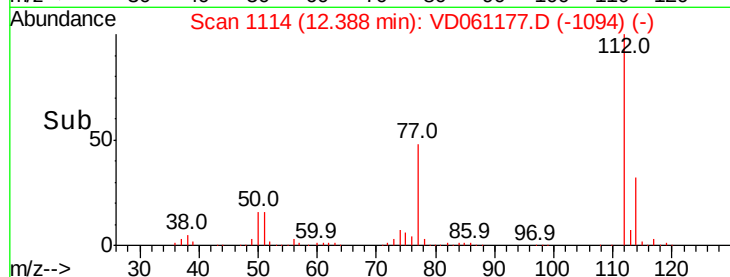
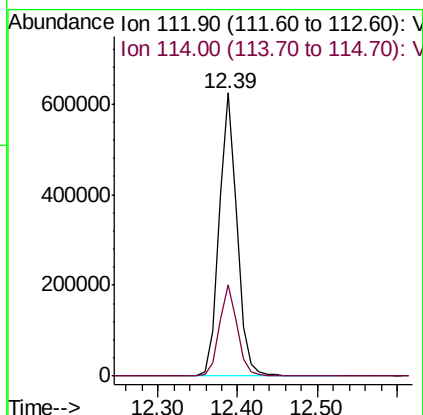
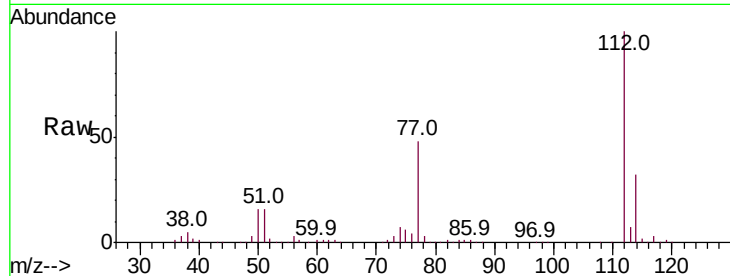




#65
Chlorobenzene
Concen: 54.838 ug/l
RT: 12.39 min Scan# 1114
Delta R.T. -0.00 min
Lab File: VD061177.D
Acq: 19 Mar 2019 11:14

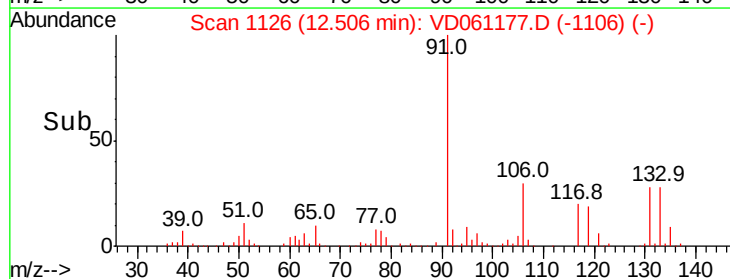
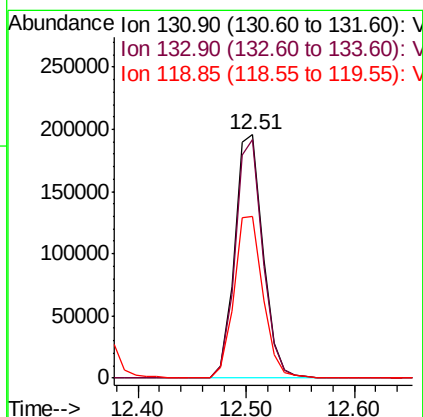
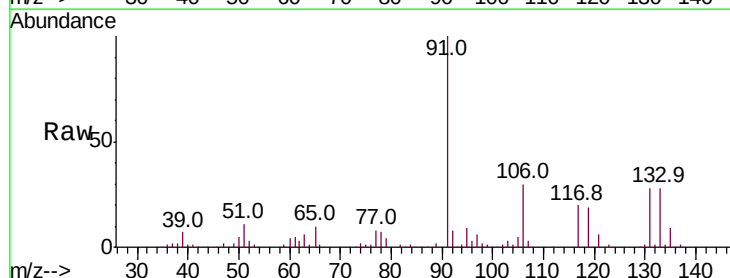
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

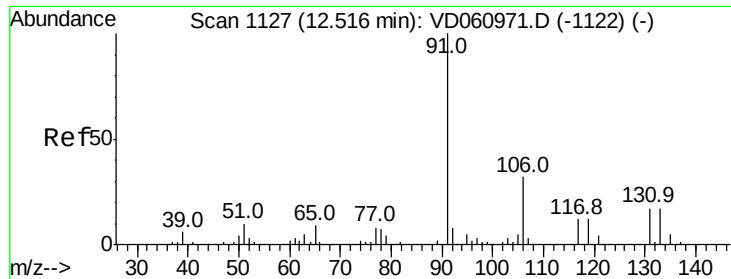
Tot Ion:112 Resp: 987658
Ion Ratio Lower Upper
112 100
114 32.4 26.0 39.0



#66
1,1,1,2-Tetrachloroethane
Concen: 55.581 ug/l
RT: 12.51 min Scan# 1126
Delta R.T. -0.00 min
Lab File: VD061177.D
Acq: 19 Mar 2019 11:14

Tgt Ion:131 Resp: 356819
Ion Ratio Lower Upper
131 100
133 97.7 47.8 143.3
119 66.5 34.3 102.9

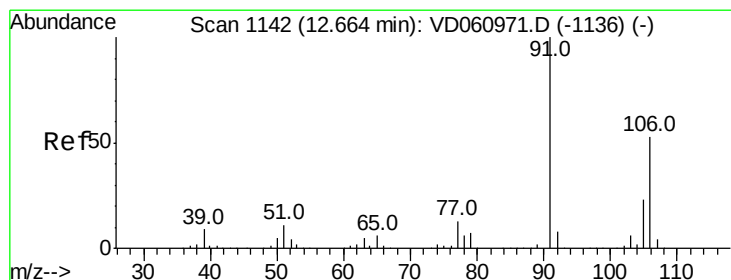
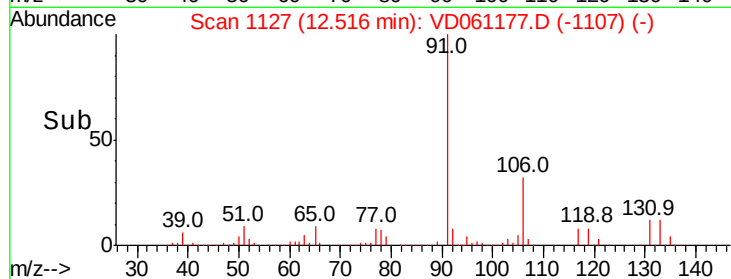
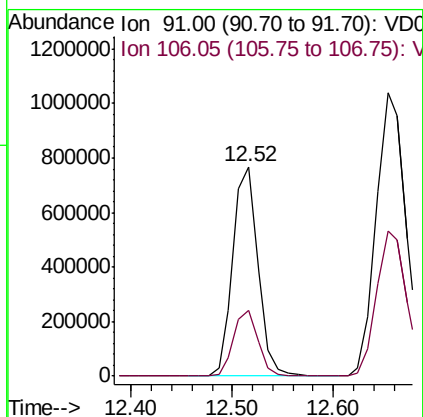
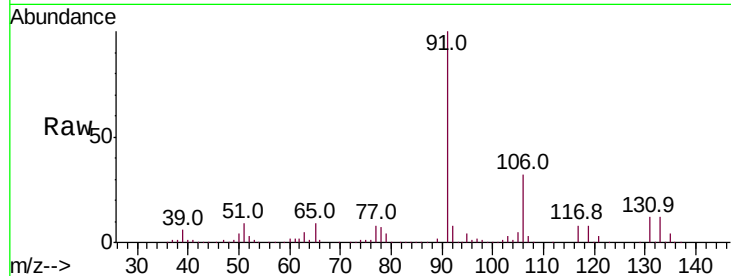




#67
Ethyl Benzene
Concen: 49.718 ug/l
RT: 12.52 min Scan# 1127
Delta R.T. -0.00 min
Lab File: VD061177.D
Acq: 19 Mar 2019 11:14

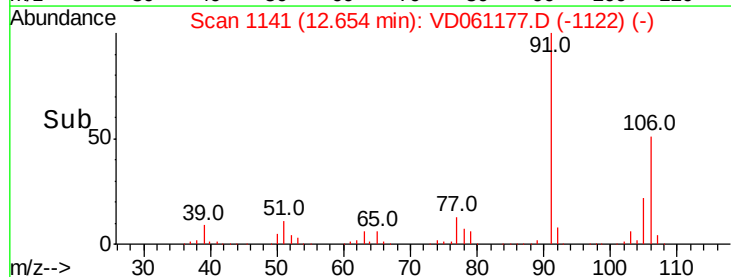
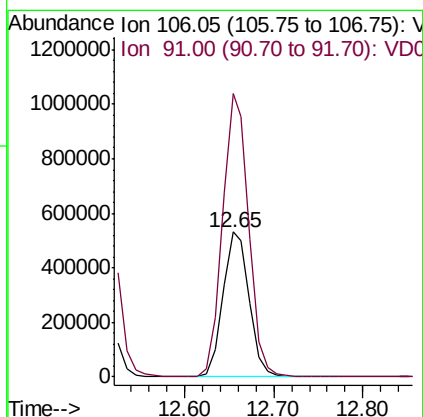
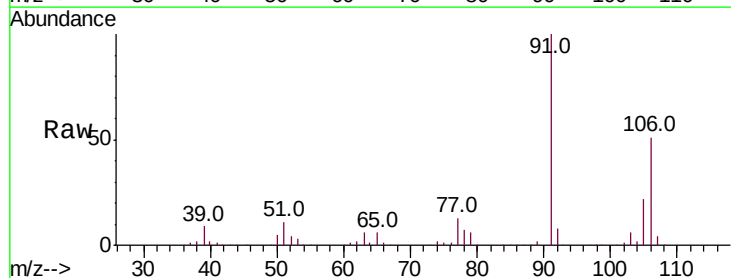
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

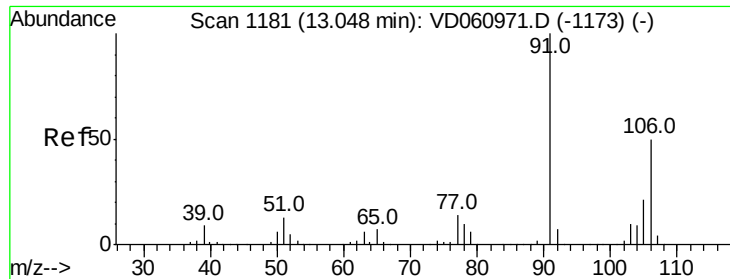
Tot Ion: 91 Resp: 1333090
Ion Ratio Lower Upper
91 100
106 31.6 25.7 38.5



#68
m/p-Xylenes
Concen: 104.489 ug/l
RT: 12.65 min Scan# 1141
Delta R.T. -0.01 min
Lab File: VD061177.D
Acq: 19 Mar 2019 11:14

Tgt Ion:106 Resp: 1099633
Ion Ratio Lower Upper
106 100
91 195.5 152.0 228.0

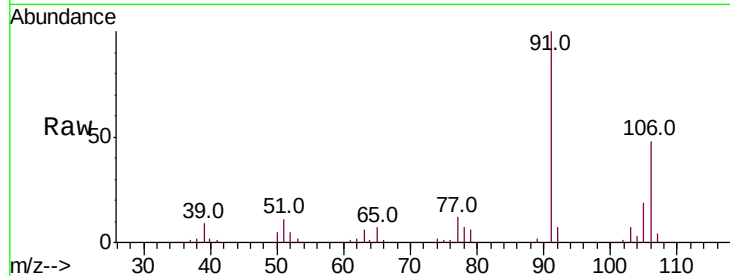




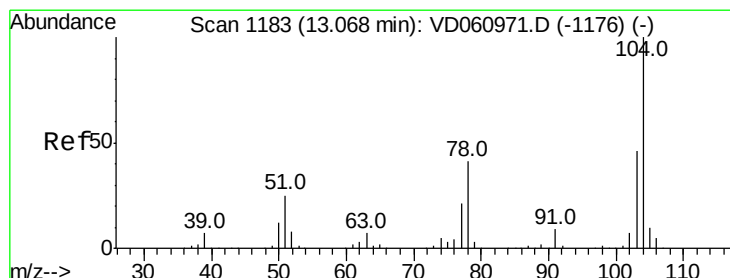
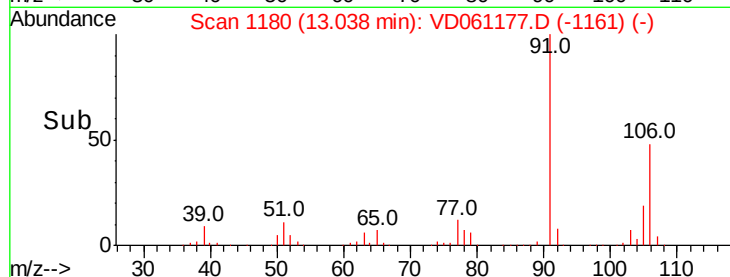
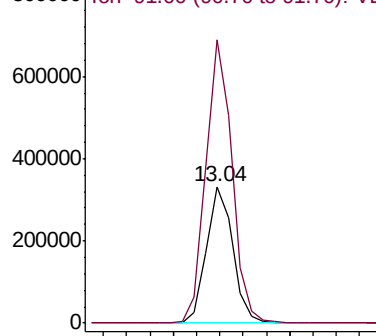
#69
o-Xylene
Concen: 50.541 ug/l
RT: 13.04 min Scan# 1180
Delta R.T. -0.01 min
Lab File: VD061177.D
Acq: 19 Mar 2019 11:14

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:106 Resp: 522830
Ion Ratio Lower Upper
106 100
91 207.2 99.8 299.3

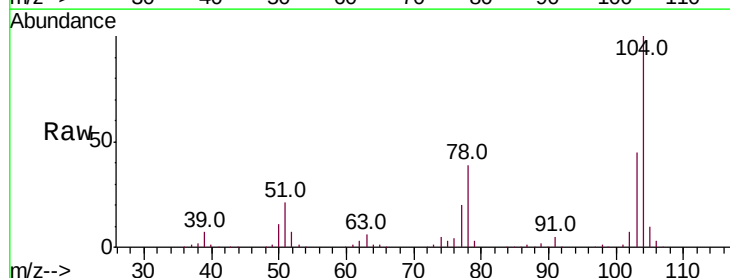


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): VDC

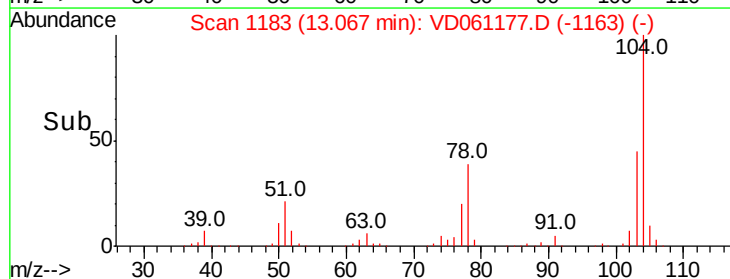
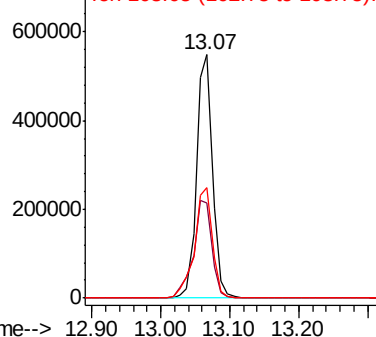


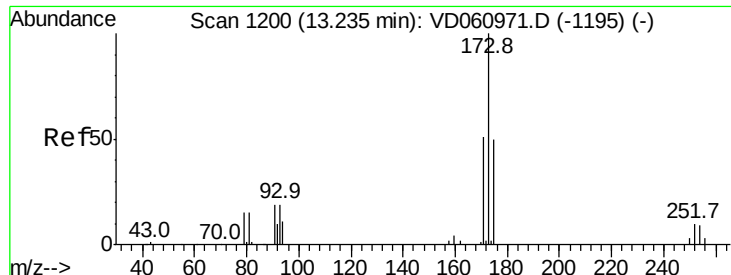
#70
Styrene
Concen: 51.794 ug/l
RT: 13.07 min Scan# 1183
Delta R.T. -0.00 min
Lab File: VD061177.D
Acq: 19 Mar 2019 11:14

Tgt Ion:104 Resp: 874888
Ion Ratio Lower Upper
104 100
78 38.8 33.0 49.4
103 45.4 37.1 55.7



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





#71

Bromoform

Concen: 56.087 ug/l

RT: 13.22 min Scan# 1199

Delta R.T. -0.01 min

Lab File: VD061177.D

Acq: 19 Mar 2019 11:14

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

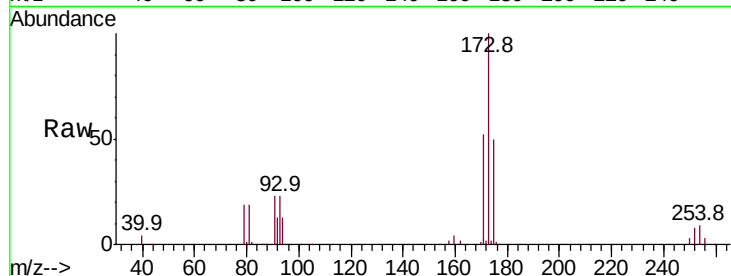
Tot Ion:173 Resp: 232285

Ion Ratio Lower Upper

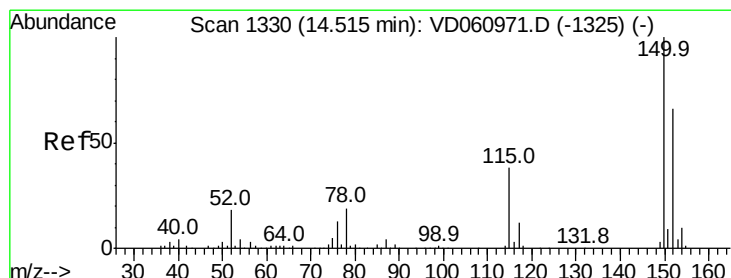
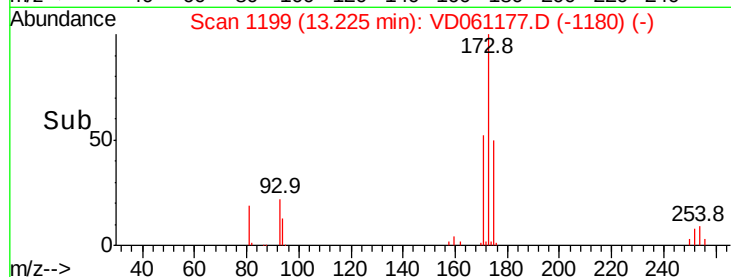
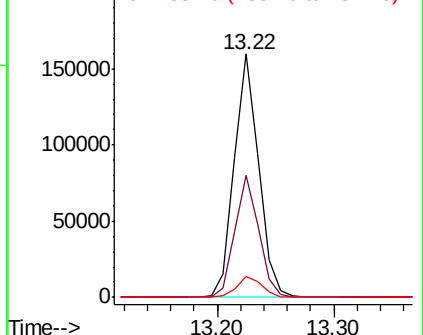
173 100

175 50.0 24.9 74.8

254 8.6 7.3 10.9



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: 14.51 min Scan# 1330

Delta R.T. -0.00 min

Lab File: VD061177.D

Acq: 19 Mar 2019 11:14

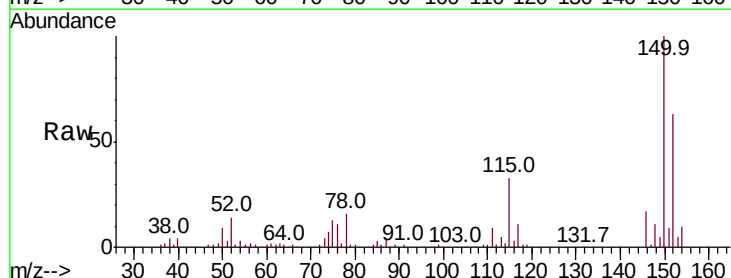
Tgt Ion:152 Resp: 446392

Ion Ratio Lower Upper

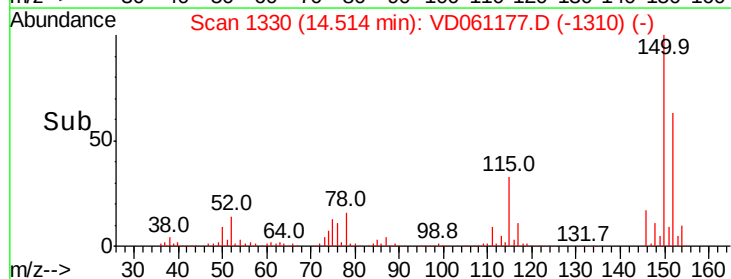
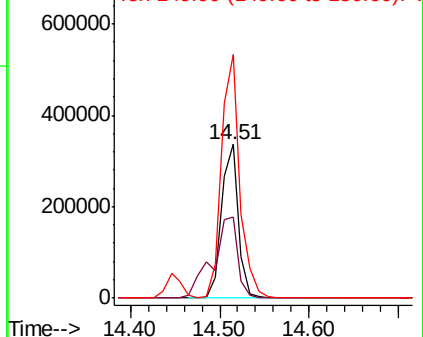
152 100

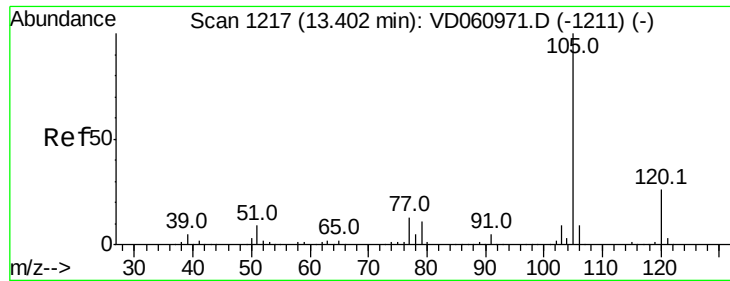
115 52.3 28.6 85.9

150 158.2 0.0 310.6



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: 41.667 ug/l

RT: 13.39 min Scan# 1216

Delta R.T. -0.01 min

Lab File: VD061177.D

Acq: 19 Mar 2019 11:14

Instrument :

MSVOA_D

ClientSampleId :

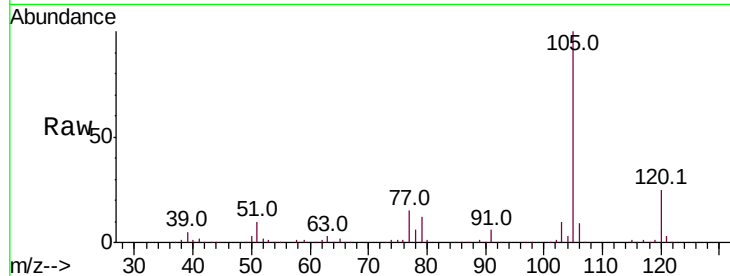
VSTDCCC050

Tot Ion:105 Resp: 1340437

Ion Ratio Lower Upper

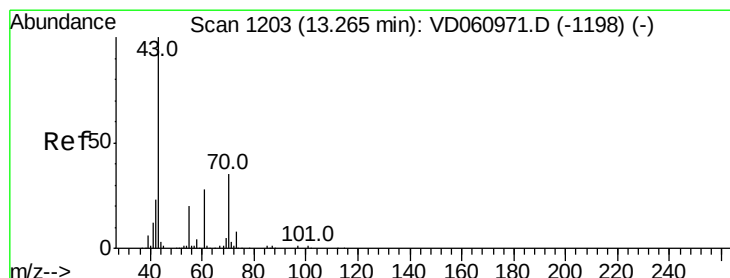
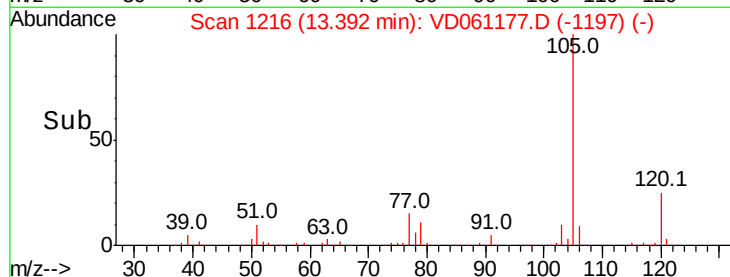
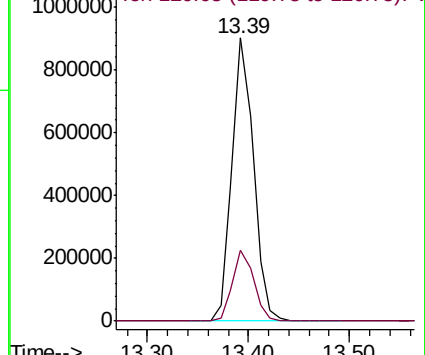
105 100

120 25.1 12.8 38.4



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#74

N-ethyl acetate

Concen: 41.536 ug/l

RT: 13.25 min Scan# 1202

Delta R.T. -0.01 min

Lab File: VD061177.D

Acq: 19 Mar 2019 11:14

Tgt Ion: 43 Resp: 376256

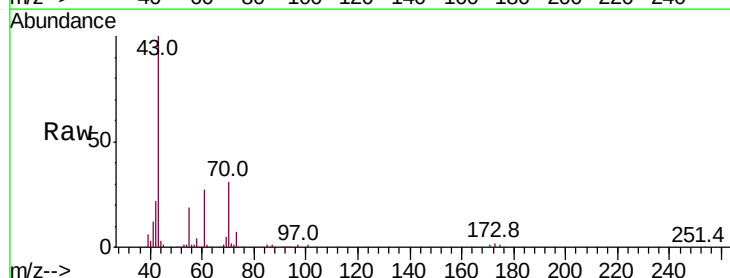
Ion Ratio Lower Upper

43 100

70 31.1 27.7 41.5

55 19.3 16.2 24.2

61 27.4 22.3 33.5

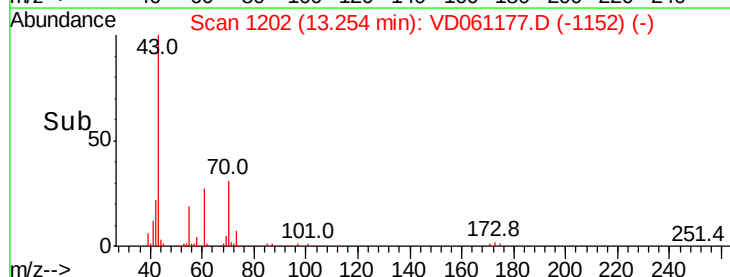
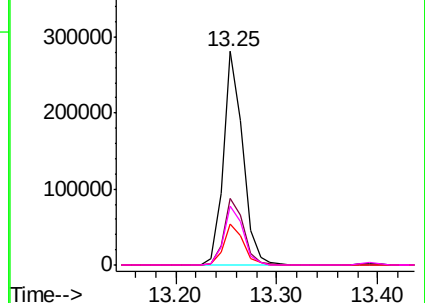


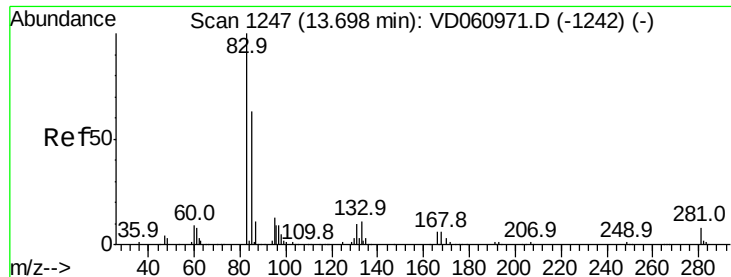
Abundance Ion 42.95 (42.65 to 43.65): V

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: 45.628 ug/l

RT: 13.69 min Scan# 1246

Delta R.T. -0.01 min

Lab File: VD061177.D

Acq: 19 Mar 2019 11:14

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

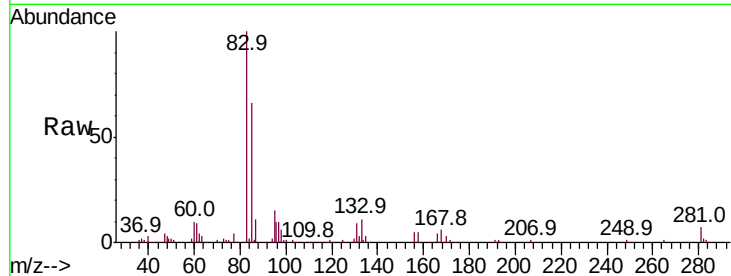
Tot Ion: 83 Resp: 286394

Ion Ratio Lower Upper

83 100

131 9.2 5.1 15.3

85 65.9 31.5 94.5



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

250000

200000

150000

100000

50000

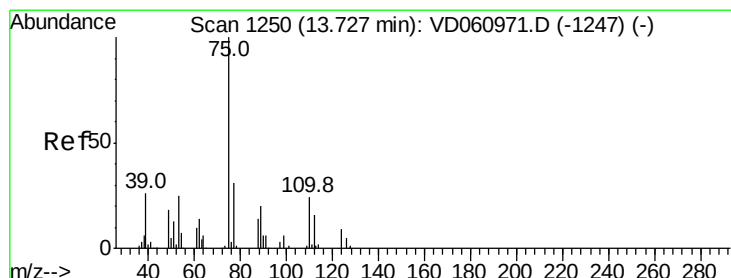
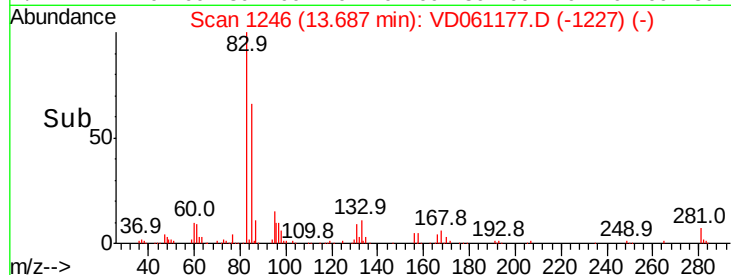
0

13.69

13.70

13.80

Time-->



#76

1,2,3-Trichloropropane

Concen: 47.543 ug/l

RT: 13.73 min Scan# 1250

Delta R.T. -0.00 min

Lab File: VD061177.D

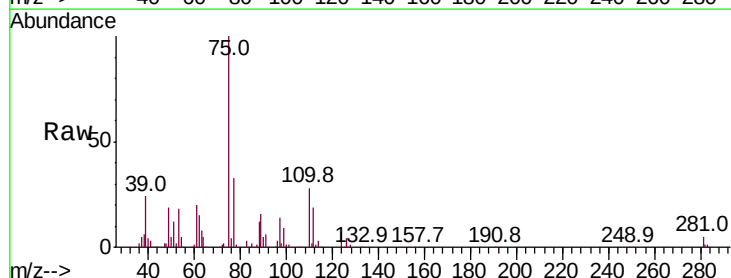
Acq: 19 Mar 2019 11:14

Tgt Ion: 75 Resp: 305328

Ion Ratio Lower Upper

75 100

77 32.9 16.6 49.7



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

400000

300000

200000

100000

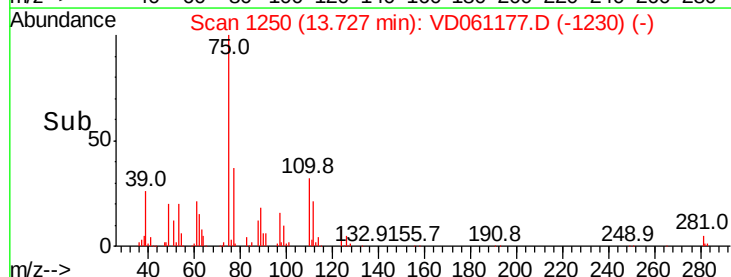
0

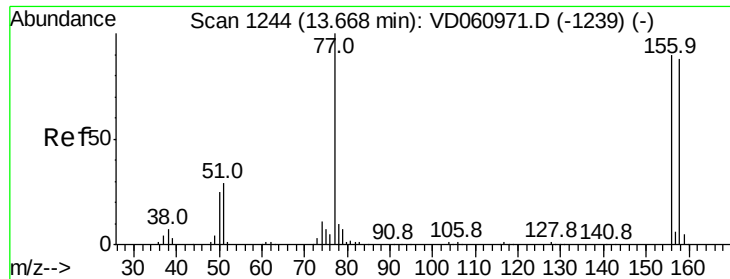
13.73

13.75

13.80

Time-->





#77

Bromobenzene

Concen: 50.818 ug/l

RT: 13.66 min Scan# 1243

Delta R.T. -0.01 min

Lab File: VD061177.D

Acq: 19 Mar 2019 11:14

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

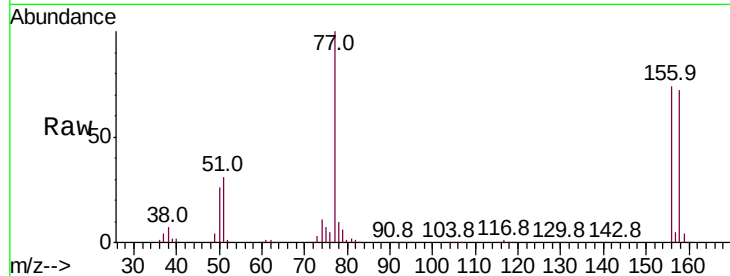
Tot Ion:156 Resp: 417327

Ion Ratio Lower Upper

156 100

77 135.7 55.5 166.7

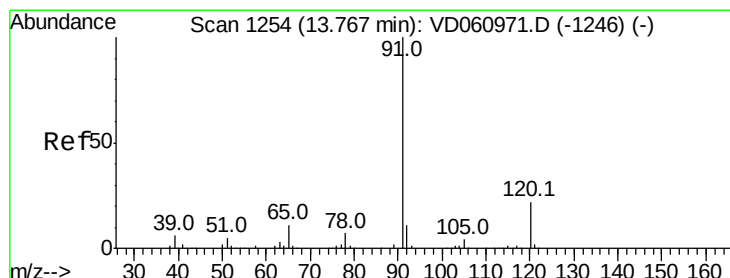
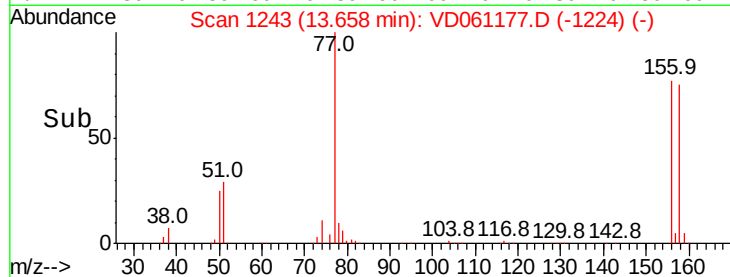
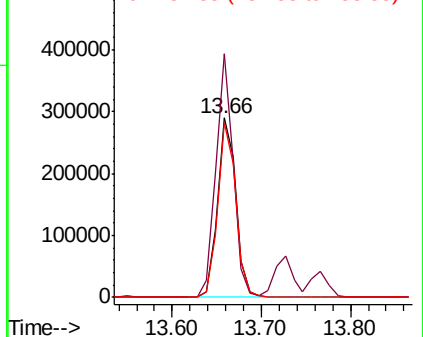
158 97.4 49.0 147.0



Abundance Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): V

Ion 157.85 (157.55 to 158.55): V



#78

n-propylbenzene

Concen: 42.149 ug/l

RT: 13.77 min Scan# 1254

Delta R.T. -0.00 min

Lab File: VD061177.D

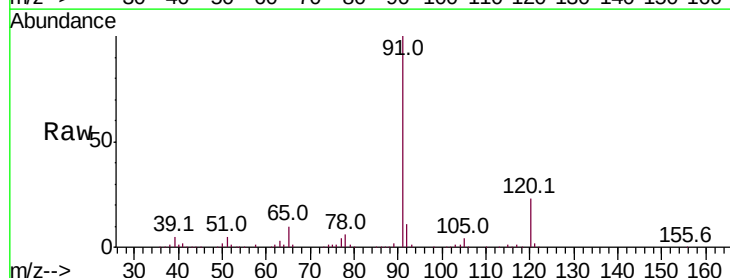
Acq: 19 Mar 2019 11:14

Tgt Ion: 91 Resp: 1587424

Ion Ratio Lower Upper

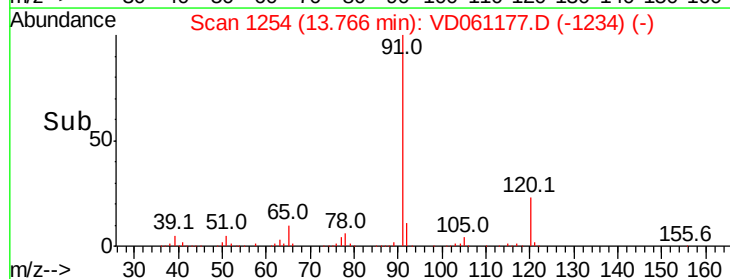
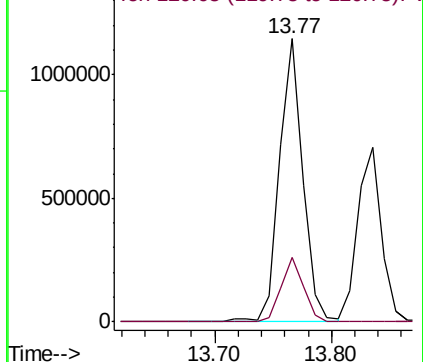
91 100

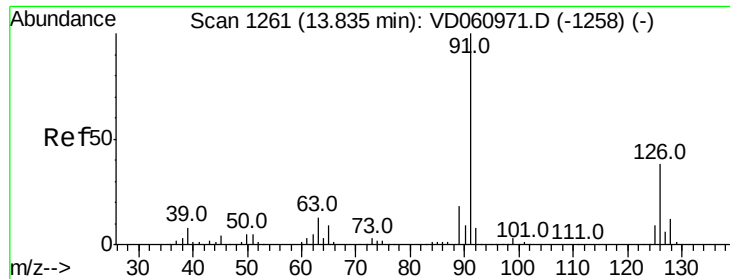
120 22.9 10.8 32.3



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V





#79

2-Chlorotoluene

Concen: 48.096 ug/l

RT: 13.84 min Scan# 1261

Delta R.T. -0.00 min

Lab File: VD061177.D

Acq: 19 Mar 2019 11:14

Instrument :

MSVOA_D

ClientSampleId :

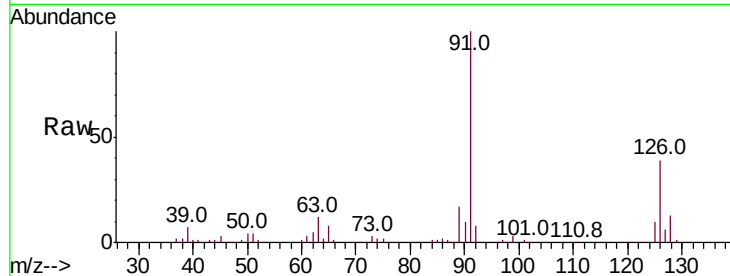
VSTDCCC050

Tot Ion: 91 Resp: 997253

Ion Ratio Lower Upper

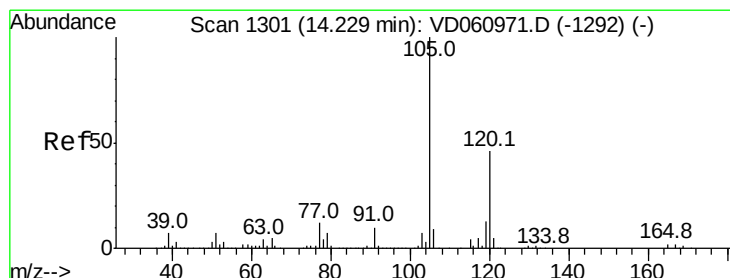
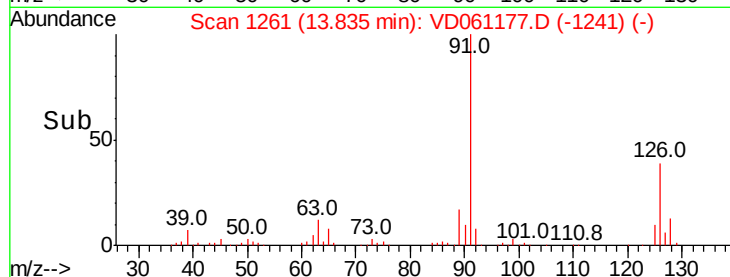
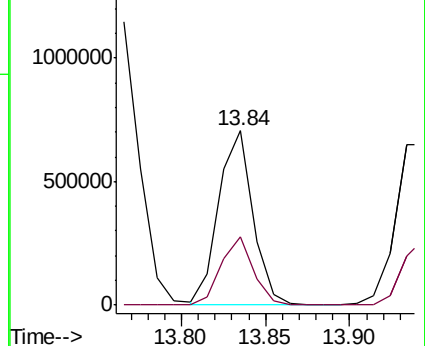
91 100

126 39.4 18.6 55.6



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: 46.816 ug/l

RT: 14.23 min Scan# 1301

Delta R.T. -0.00 min

Lab File: VD061177.D

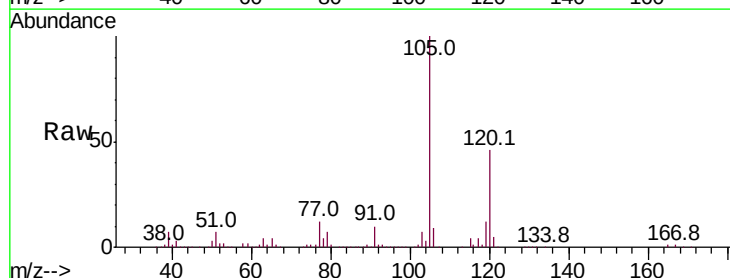
Acq: 19 Mar 2019 11:14

Tgt Ion:105 Resp: 1143372

Ion Ratio Lower Upper

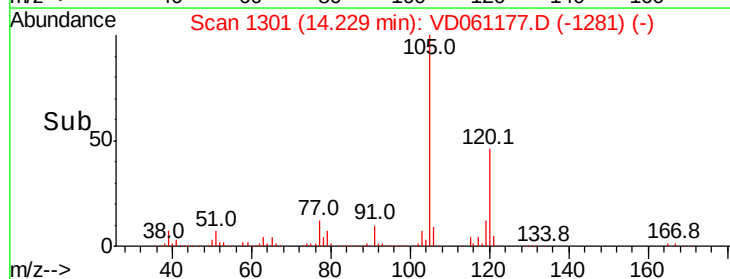
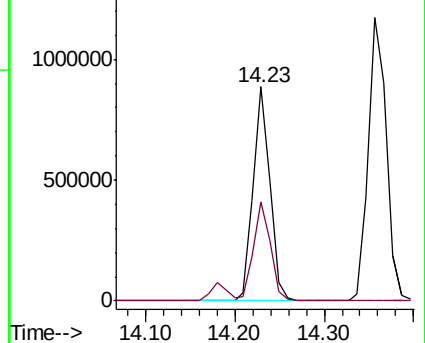
105 100

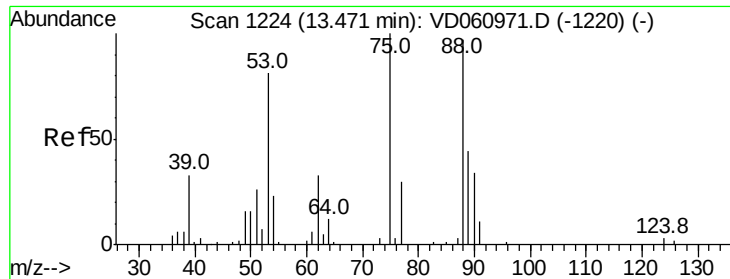
120 46.2 22.9 68.5



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: 48.111 ug/l

RT: 13.46 min Scan# 1223

Delta R.T. -0.01 min

Lab File: VD061177.D

Acq: 19 Mar 2019 11:14

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

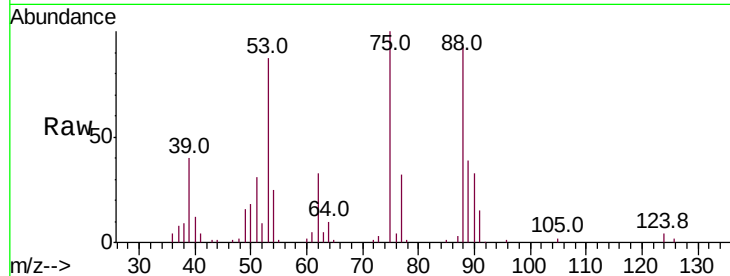
Tot Ion: 75 Resp: 91093

Ion Ratio Lower Upper

75 100

53 86.8 64.4 96.6

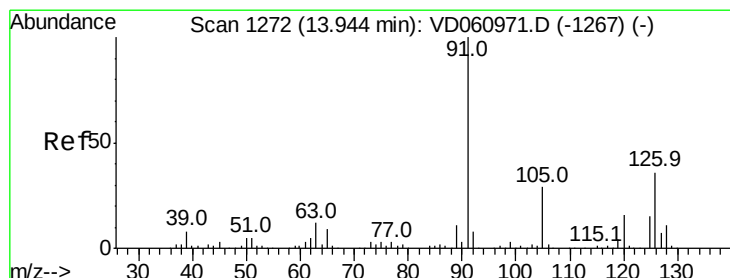
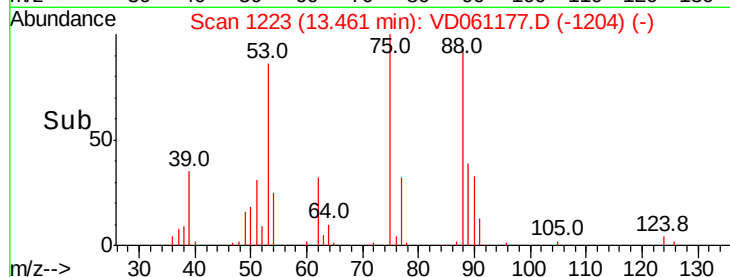
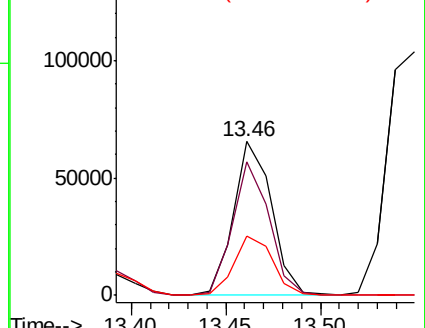
89 38.9 34.8 52.2



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: 42.594 ug/l

RT: 13.94 min Scan# 1272

Delta R.T. 0.00 min

Lab File: VD061177.D

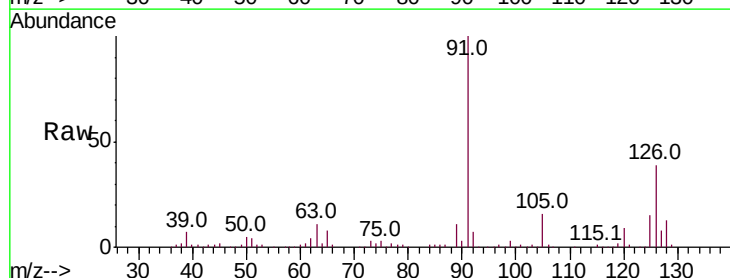
Acq: 19 Mar 2019 11:14

Tgt Ion: 91 Resp: 1044060

Ion Ratio Lower Upper

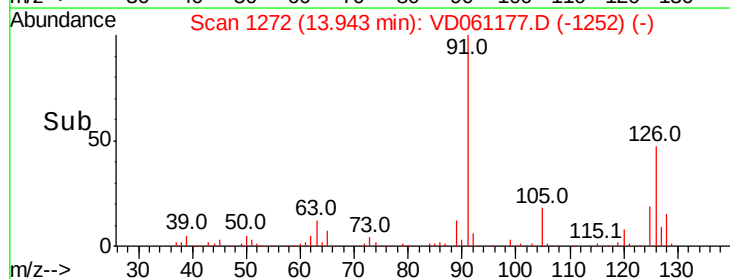
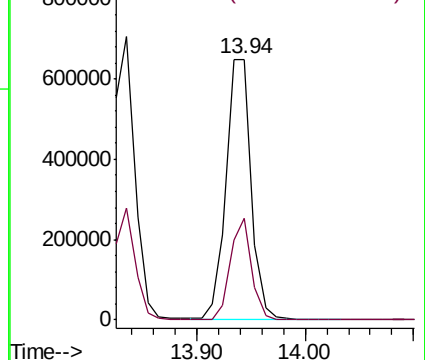
91 100

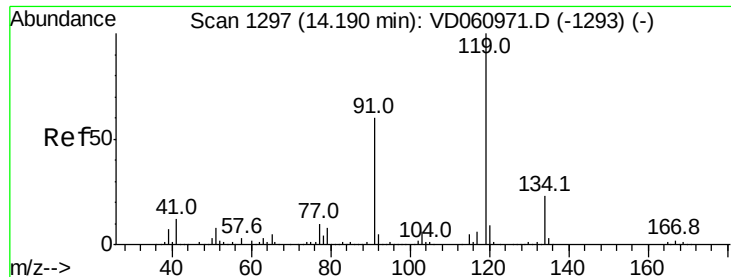
126 39.2 18.0 54.0



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.95 (125.65 to 126.65): V





#83

tert-Butylbenzene

Concen: 51.046 ug/l

RT: 14.18 min Scan# 1296

Delta R.T. -0.01 min

Lab File: VD061177.D

Acq: 19 Mar 2019 11:14

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

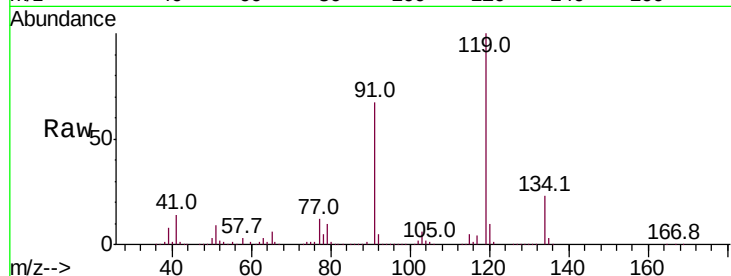
Tot Ion:119 Resp: 1364348

Ion Ratio Lower Upper

119 100

91 67.0 30.1 90.3

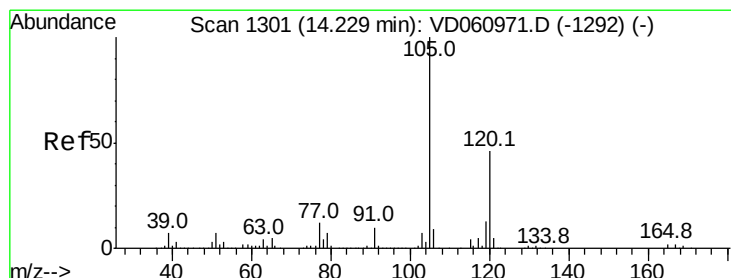
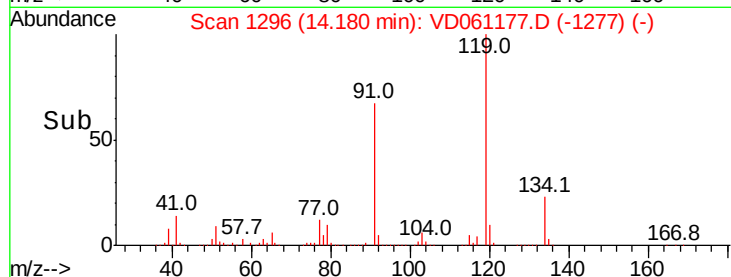
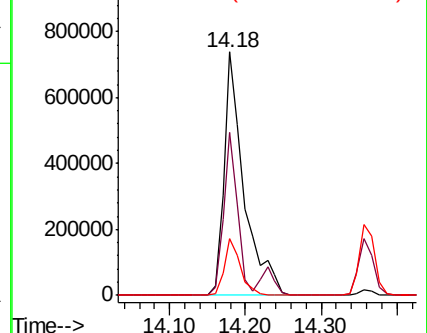
134 23.3 11.6 34.7



Abundance Ion 119.05 (118.75 to 119.75): V

Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 46.816 ug/l

RT: 14.23 min Scan# 1301

Delta R.T. -0.00 min

Lab File: VD061177.D

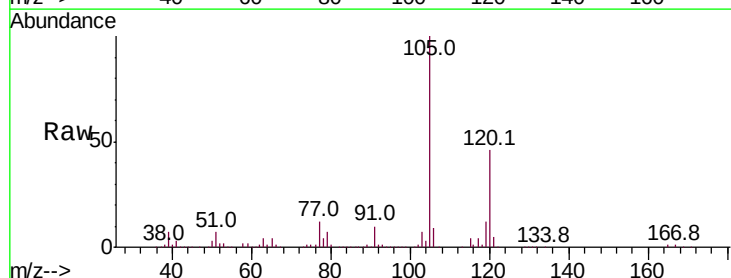
Acq: 19 Mar 2019 11:14

Tgt Ion:105 Resp: 1143372

Ion Ratio Lower Upper

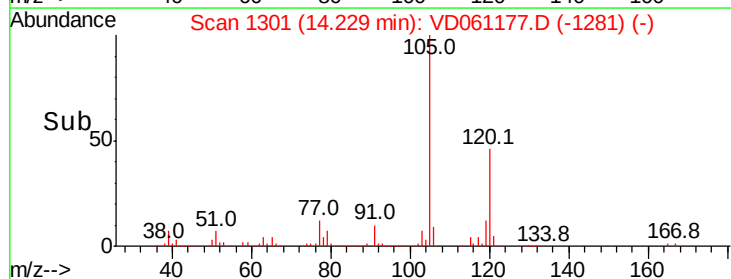
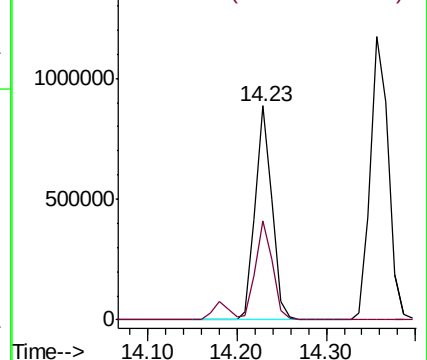
105 100

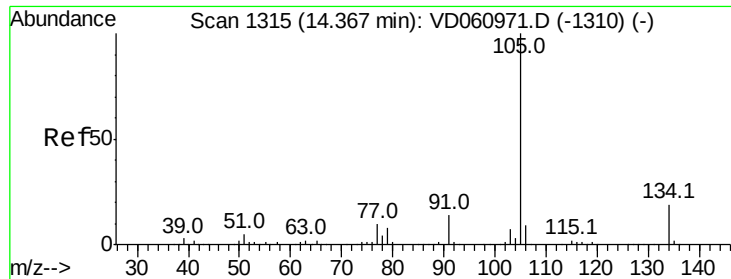
120 46.2 22.9 68.5



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V





#85

sec-Butylbenzene

Concen: 49.804 ug/l

RT: 14.36 min Scan# 1314

Delta R.T. -0.01 min

Lab File: VD061177.D

Acq: 19 Mar 2019 11:14

Instrument :

MSVOA_D

ClientSampleId :

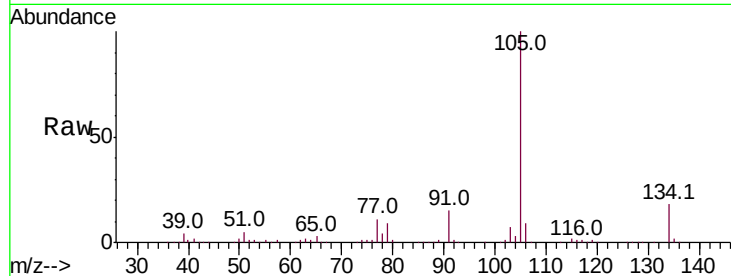
VSTDCCC050

Tot Ion:105 Resp: 1625094

Ion Ratio Lower Upper

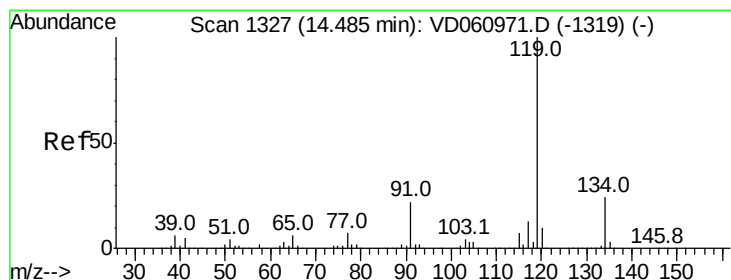
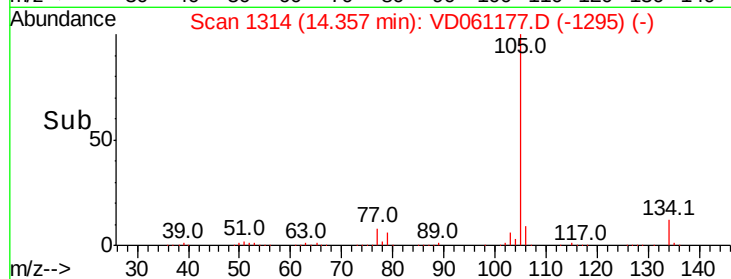
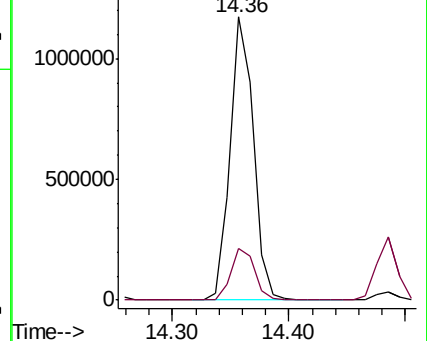
105 100

134 18.2 9.4 28.2



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 134.10 (133.80 to 134.80): V



#86

p-Isopropyltoluene

Concen: 48.196 ug/l

RT: 14.48 min Scan# 1327

Delta R.T. -0.00 min

Lab File: VD061177.D

Acq: 19 Mar 2019 11:14

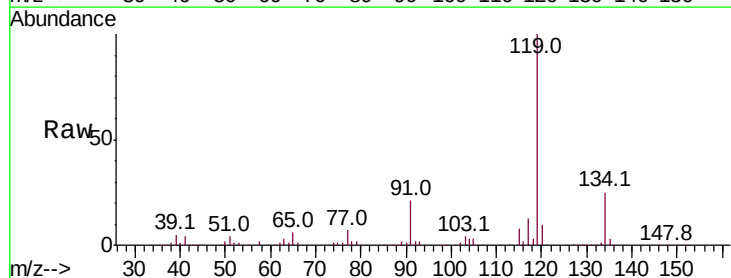
Tgt Ion:119 Resp: 1285453

Ion Ratio Lower Upper

119 100

134 24.9 12.0 36.1

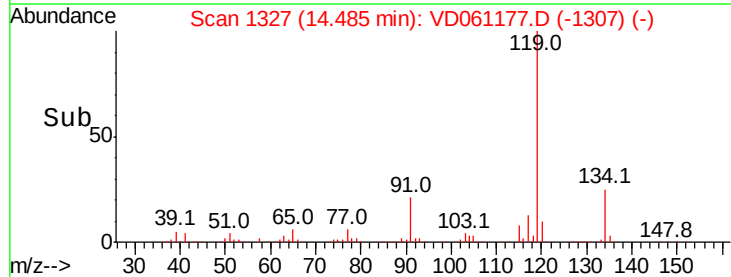
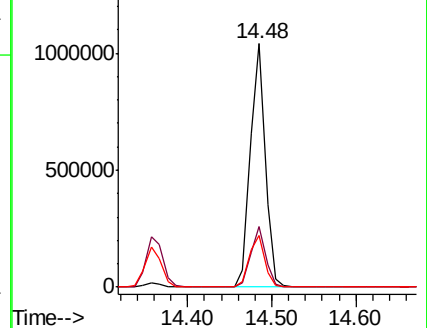
91 21.3 11.2 33.6

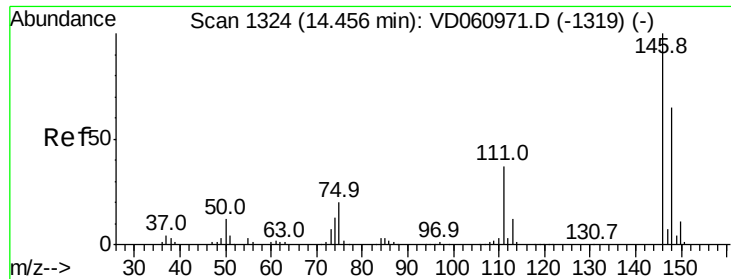


Abundance Ion 119.05 (118.75 to 119.75): V

Ion 134.10 (133.80 to 134.80): V

Ion 91.00 (90.70 to 91.70): V

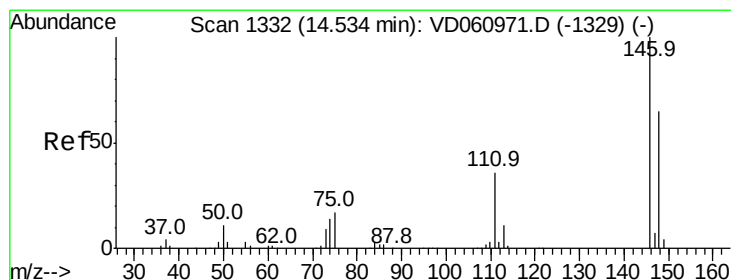
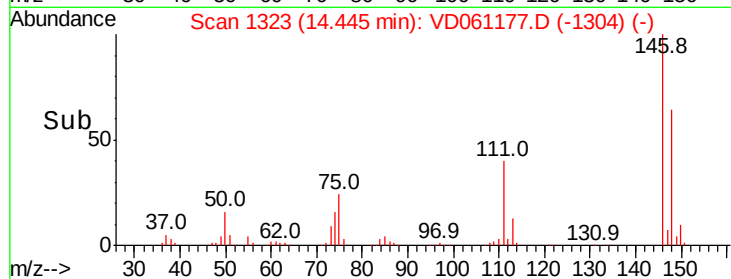
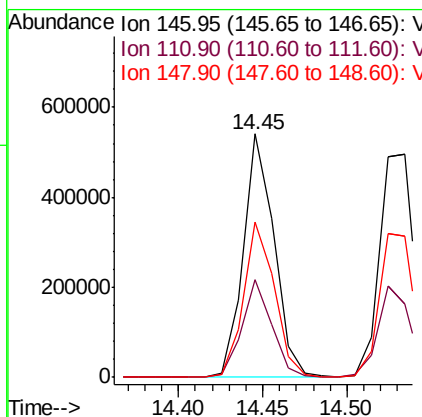
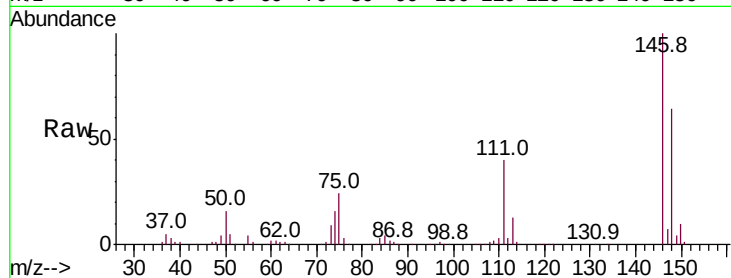




#87
 1,3-Dichlorobenzene
 Concen: 46.807 ug/l
 RT: 14.45 min Scan# 1323
 Delta R.T. -0.01 min
 Lab File: VD061177.D
 Acq: 19 Mar 2019 11:14

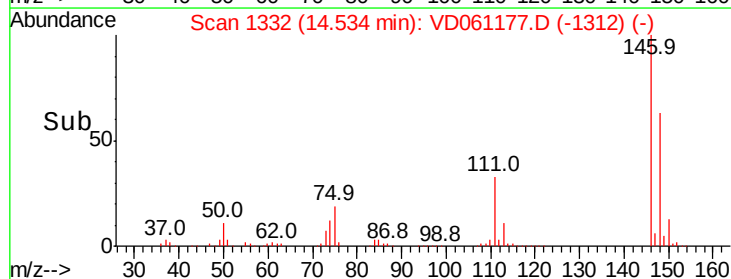
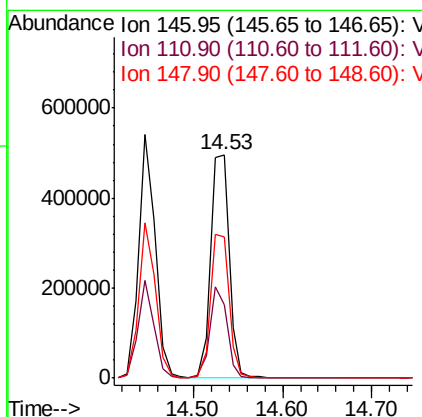
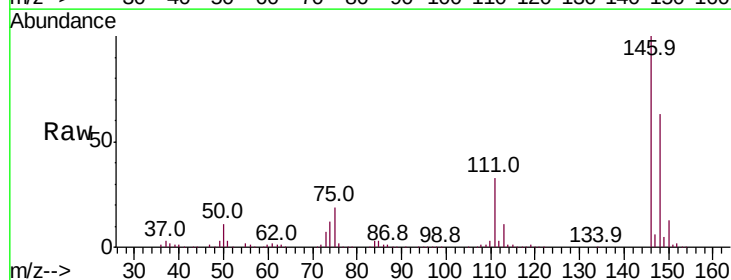
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

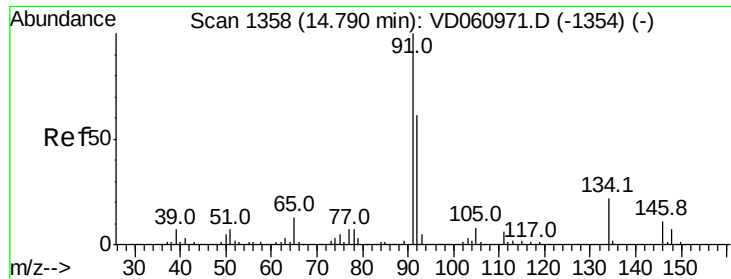
Tot Ion:146 Resp: 686381
 Ion Ratio Lower Upper
 146 100
 111 39.9 18.4 55.4
 148 63.8 32.5 97.4



#88
 1,4-Dichlorobenzene
 Concen: 49.824 ug/l
 RT: 14.53 min Scan# 1332
 Delta R.T. -0.00 min
 Lab File: VD061177.D
 Acq: 19 Mar 2019 11:14

Tgt Ion:146 Resp: 717970
 Ion Ratio Lower Upper
 146 100
 111 33.0 18.4 55.2
 148 63.2 32.5 97.5





#89

n-Butylbenzene

Concen: 44.882 ug/l

RT: 14.79 min Scan# 1358

Delta R.T. -0.00 min

Lab File: VD061177.D

Acq: 19 Mar 2019 11:14

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

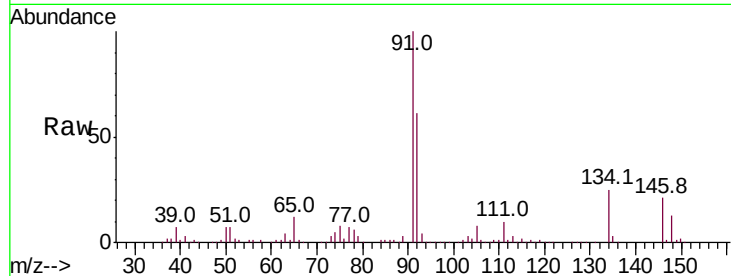
Tot Ion: 91 Resp: 1149548

Ion Ratio Lower Upper

91 100

92 60.8 30.6 91.8

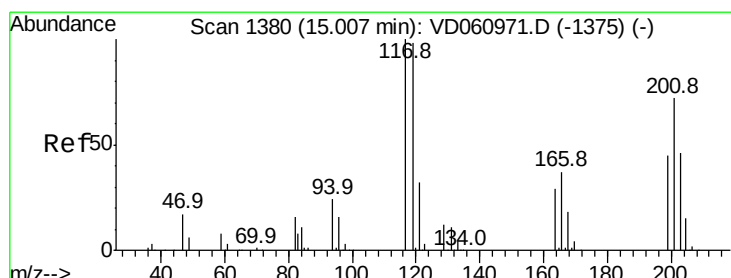
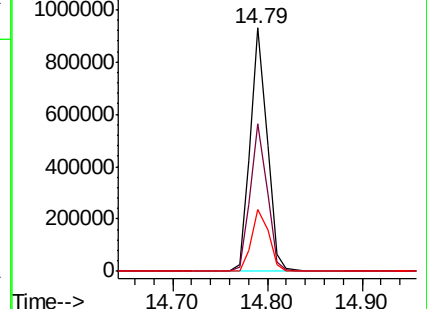
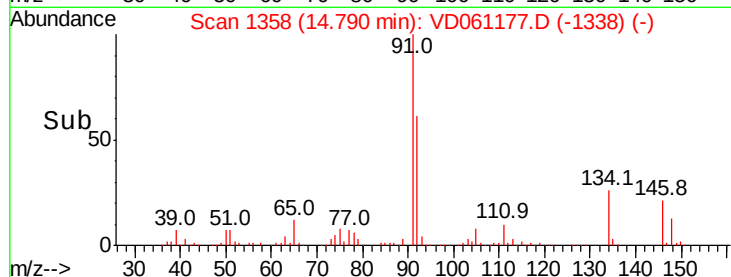
134 25.5 11.0 33.0



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 92.00 (91.70 to 92.70): VDC

Ion 134.10 (133.80 to 134.80): VDC



#90

Hexachloroethane

Concen: 46.141 ug/l

RT: 15.00 min Scan# 1379

Delta R.T. -0.01 min

Lab File: VD061177.D

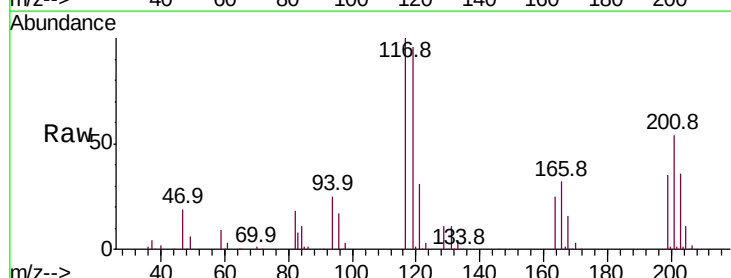
Acq: 19 Mar 2019 11:14

Tgt Ion: 117 Resp: 347502

Ion Ratio Lower Upper

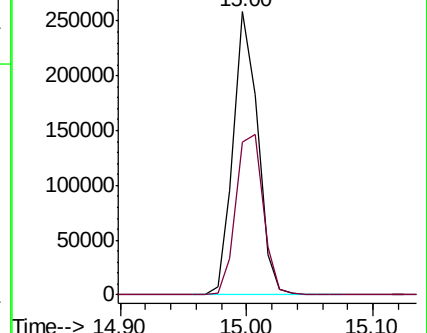
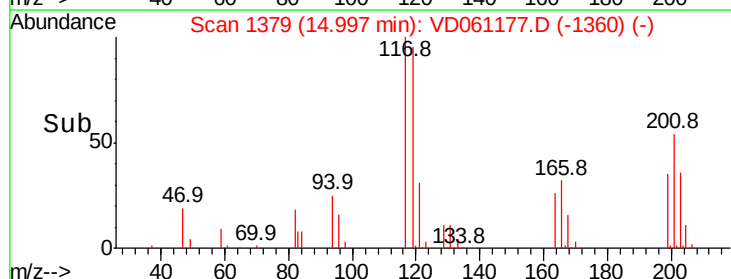
117 100

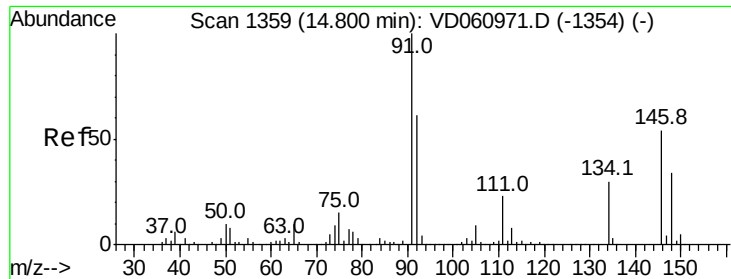
201 54.0 36.2 108.6



Abundance Ion 116.85 (116.55 to 117.55): VDC

Ion 200.75 (200.45 to 201.45): VDC

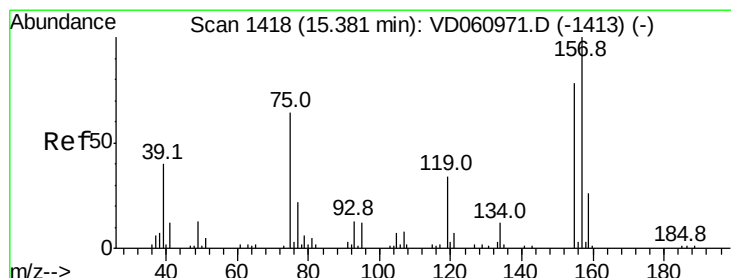
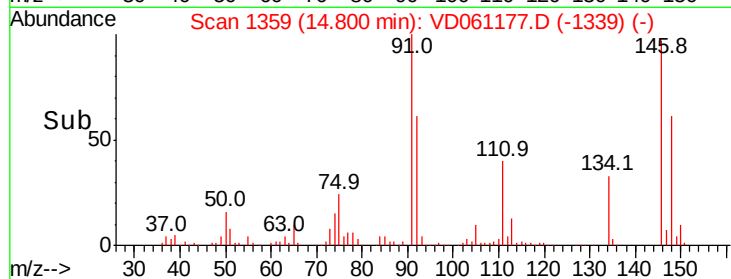
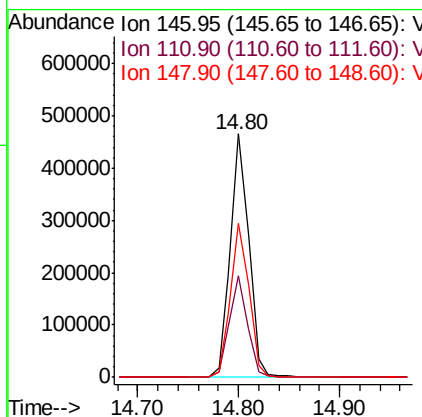
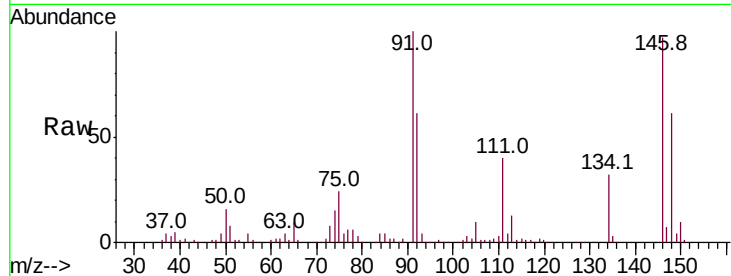




#91
 1,2-Dichlorobenzene
 Concen: 48.189 ug/l
 RT: 14.80 min Scan# 1359
 Delta R.T. -0.00 min
 Lab File: VD061177.D
 Acq: 19 Mar 2019 11:14

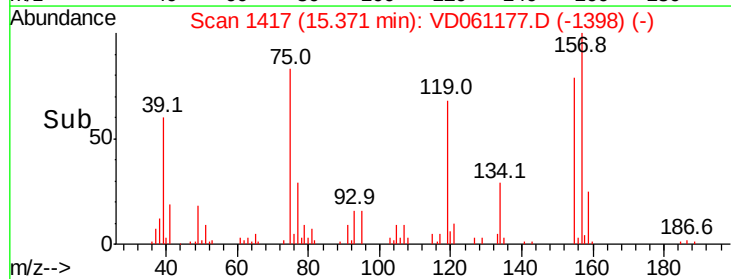
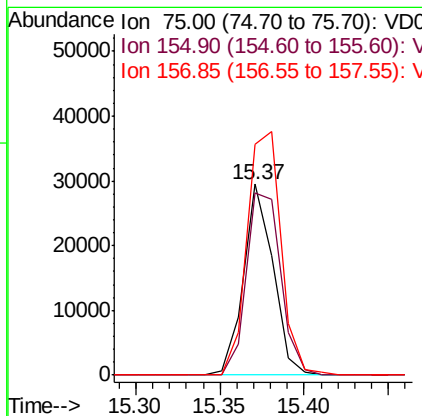
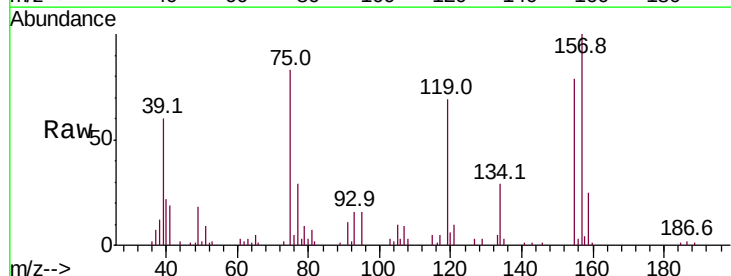
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

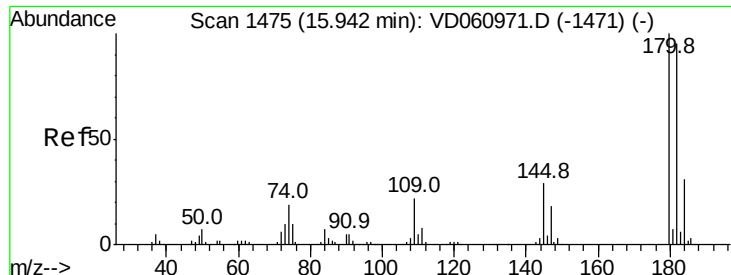
Tot Ion	Ratio	Lower	Upper
146	100		
111	41.7	21.5	64.5
148	63.5	30.9	92.8



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 47.346 ug/l
 RT: 15.37 min Scan# 1417
 Delta R.T. -0.01 min
 Lab File: VD061177.D
 Acq: 19 Mar 2019 11:14

Tgt Ion	Ratio	Lower	Upper
75	100		
155	95.7	61.2	183.5
157	121.1	78.3	234.8

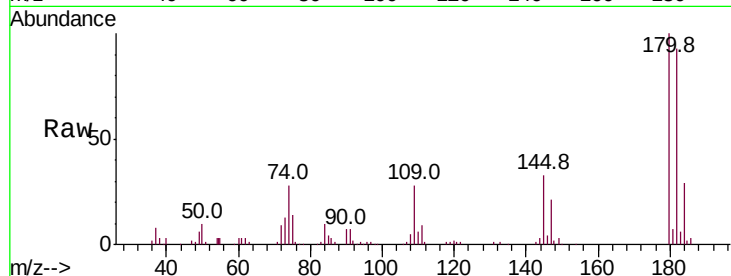




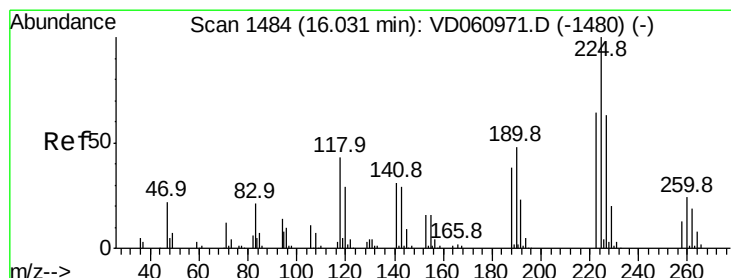
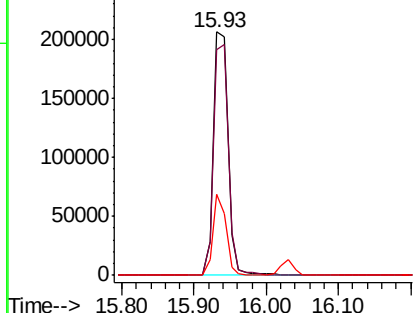
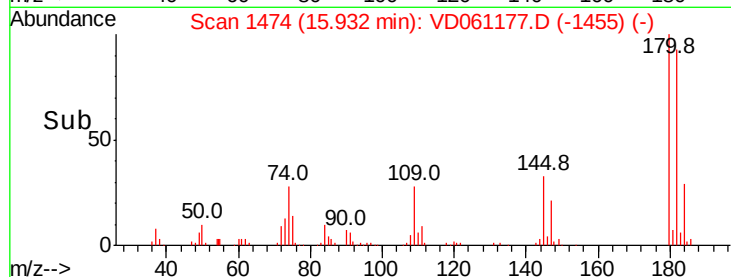
#93
 1,2,4-Trichlorobenzene
 Concen: 50.779 ug/l
 RT: 15.93 min Scan# 1474
 Delta R.T. -0.01 min
 Lab File: VD061177.D
 Acq: 19 Mar 2019 11:14

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion:180 Resp: 287971
 Ion Ratio Lower Upper
 180 100
 182 92.6 47.3 142.0
 145 33.1 14.4 43.0

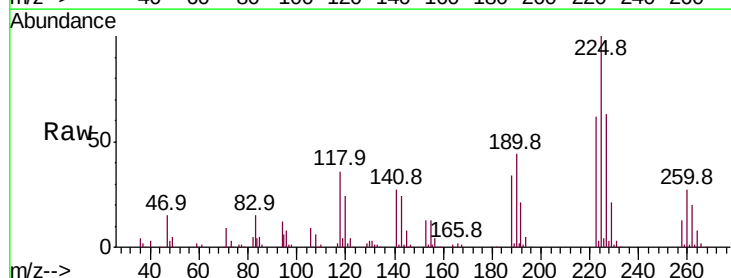


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

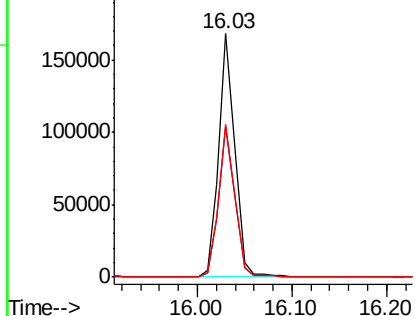
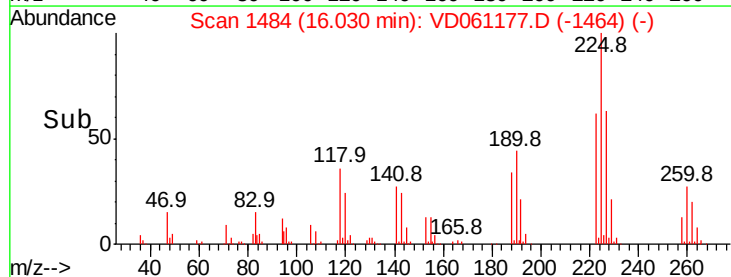


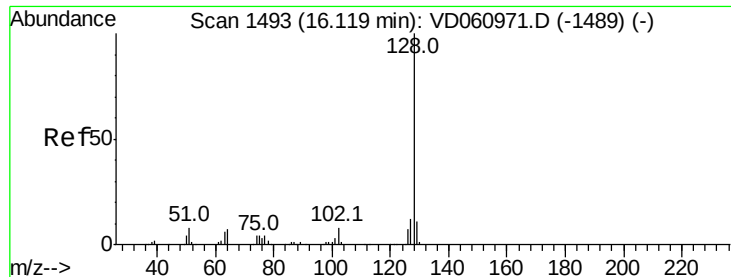
#94
 Hexachlorobutadiene
 Concen: 46.347 ug/l
 RT: 16.03 min Scan# 1484
 Delta R.T. -0.00 min
 Lab File: VD061177.D
 Acq: 19 Mar 2019 11:14

Tgt Ion:225 Resp: 198809
 Ion Ratio Lower Upper
 225 100
 223 61.9 31.8 95.3
 227 62.8 31.4 94.0



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

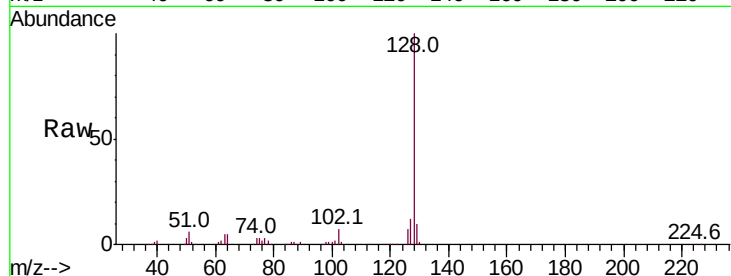




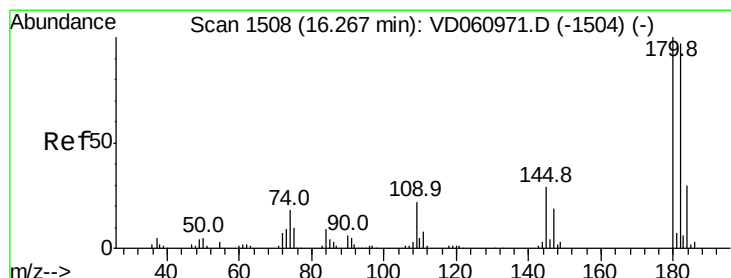
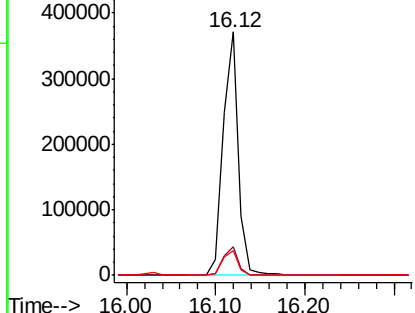
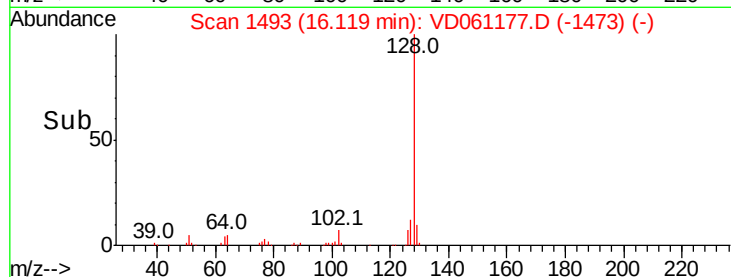
#95
Naphthalene
Concen: 52.064 ug/l
RT: 16.12 min Scan# 1493
Delta R.T. -0.00 min
Lab File: VD061177.D
Acq: 19 Mar 2019 11:14

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:128 Resp: 448682
Ion Ratio Lower Upper
128 100
127 11.7 9.8 14.8
129 10.2 8.5 12.7

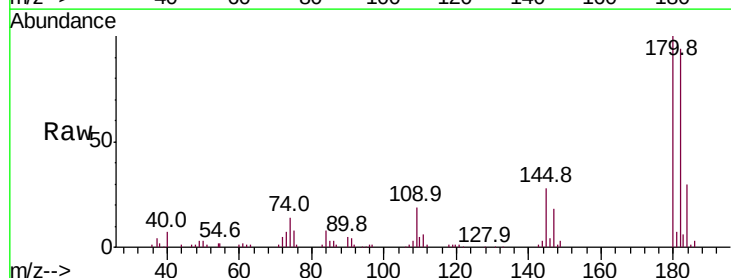


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 46.998 ug/l
RT: 16.27 min Scan# 1508
Delta R.T. -0.00 min
Lab File: VD061177.D
Acq: 19 Mar 2019 11:14

Tgt Ion:180 Resp: 131640
Ion Ratio Lower Upper
180 100
182 94.5 48.6 145.8
145 27.8 14.3 42.9



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

