

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD042319\
 Data File : VD061976.D
 Acq On : 23 Apr 2019 18:08
 Operator : VA/AP
 Sample : VD0423SBS01
 Misc : 5.00µl/5ml/MSVOA D/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0423SBS01

Quant Time: Apr 24 02:11:32 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D042319S.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 23 14:52:55 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.05	168	601648	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.22	114	955279	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.37	117	826856	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	364484	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.45	65	253316	53.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.60%	
35) Dibromofluoromethane	6.93	113	369360	55.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.82%	
50) Toluene-d8	10.41	98	828928	52.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.46%	
62) 4-Bromofluorobenzene	13.55	95	345131	54.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.48%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.57	85	97199	18.093	ug/l	99
3) Chloromethane	1.75	50	82821	18.139	ug/l	94
4) Vinyl Chloride	1.85	62	78858	19.055	ug/l	99
5) Bromomethane	2.14	94	19512	15.409	ug/l	92
6) Chloroethane	2.25	64	21781	14.560	ug/l	99
7) Trichlorofluoromethane	2.53	101	116515	18.620	ug/l	97
8) Diethyl Ether	2.87	74	32268	19.241	ug/l	91
9) 1,1,2-Trichlorotrifluoroet	3.15	101	112355	19.492	ug/l	99
10) Methyl Iodide	3.30	142	126645	18.284	ug/l	98
11) Tert butyl alcohol	4.07	59	28665	107.742	ug/l	98
12) 1,1-Dichloroethene	3.13	96	92517	18.865	ug/l	90
13) Acrolein	3.04	56	27238	98.672	ug/l	94
14) Allyl chloride	3.62	41	122398	18.278	ug/l	99
15) Acrylonitrile	4.19	53	84010	101.974	ug/l	95
16) Acetone	3.22	43	108260	96.288	ug/l	98
17) Carbon Disulfide	3.37	76	263753	18.612	ug/l	100
18) Methyl Acetate	3.65	43	45139	20.878	ug/l	93
19) Methyl tert-butyl Ether	4.24	73	180579	18.558	ug/l	95
20) Methylene Chloride	3.81	84	108597	17.786	ug/l	97
21) trans-1,2-Dichloroethene	4.22	96	97646	17.357	ug/l	95
22) Diisopropyl ether	5.13	45	275077	17.594	ug/l	97
23) Vinyl Acetate	5.06	43	783367	96.214	ug/l	100
24) 1,1-Dichloroethane	4.99	63	177543	18.788	ug/l	99
25) 2-Butanone	6.07	43	163468	119.918	ug/l	98
26) 2,2-Dichloropropane	6.03	77	163882	19.879	ug/l	99
27) cis-1,2-Dichloroethene	6.04	96	139218	21.753	ug/l	90
28) Bromochloromethane	6.44	49	81252	22.472	ug/l	95
29) Tetrahydrofuran	6.45	42	74018	110.200	ug/l	99
30) Chloroform	6.66	83	219684	20.468	ug/l	100
31) Cyclohexane	6.96	56	136286	19.431	ug/l	97
32) 1,1,1-Trichloroethane	6.88	97	181402	19.425	ug/l	99
36) 1,1-Dichloropropene	7.14	75	151082	20.299	ug/l	97
37) Ethyl Acetate	6.18	43	70956	22.373	ug/l	96
38) Carbon Tetrachloride	7.11	117	183777	19.486	ug/l	98

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Quant Time: Apr 24 02:11:32 2019
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 Quant Title : SW846 8260
 QLast Update : Tue Apr 23 14:52:55 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.87	83	148623	20.240	ug/l	96
40) Benzene	7.46	78	372458	20.214	ug/l	100
41) Methacrylonitrile	6.44	41	84366	22.798	ug/l #	92
42) 1,2-Dichloroethane	7.58	62	130031	20.785	ug/l	99
43) Isopropyl Acetate	9.24	43	100816	21.755	ug/l	99
44) Trichloroethene	8.54	130	142142	19.899	ug/l	99
45) 1,2-Dichloropropane	8.94	63	91298	19.532	ug/l	95
46) Dibromomethane	9.06	93	69414	20.638	ug/l	96
47) Bromodichloromethane	9.38	83	153655	19.334	ug/l	93
48) Methyl methacrylate	9.12	41	57344	21.688	ug/l	98
49) 1,4-Dioxane	9.08	88	13324	467.415	ug/l	96
51) 4-Methyl-2-Pentanone	10.30	43	323830	114.265	ug/l	99
52) Toluene	10.51	92	252096	21.458	ug/l	97
53) t-1,3-Dichloropropene	10.91	75	143326	21.485	ug/l	99
54) cis-1,3-Dichloropropene	10.04	75	167653	20.664	ug/l	98
55) 1,1,2-Trichloroethane	11.19	97	84344	21.384	ug/l	95
56) Ethyl methacrylate	11.04	69	91941	21.047	ug/l	98
57) 1,3-Dichloropropane	11.41	76	123778	20.319	ug/l	95
58) 2-Chloroethyl Vinyl ether	9.86	63	255153	125.632	ug/l	97
59) 2-Hexanone	11.53	43	242904	114.258	ug/l	99
60) Dibromochloromethane	11.68	129	139764	21.416	ug/l	100
61) 1,2-Dibromoethane	11.81	107	99353	21.235	ug/l	98
64) Tetrachloroethene	11.26	164	113668	19.271	ug/l	97
65) Chlorobenzene	12.40	112	316560	20.260	ug/l	96
66) 1,1,1,2-Tetrachloroethane	12.52	131	118434	17.870	ug/l	98
67) Ethyl Benzene	12.53	91	464741	18.224	ug/l	100
68) m/p-Xylenes	12.67	106	357973	38.837	ug/l	99
69) o-Xylene	13.05	106	172391	20.441	ug/l	100
70) Styrene	13.07	104	310842	21.346	ug/l	98
71) Bromoform	13.24	173	80551	21.318	ug/l #	96
73) Isopropylbenzene	13.40	105	450788	18.541	ug/l	98
74) N-amyl acetate	13.27	43	137138	21.901	ug/l	96
75) 1,1,2,2-Tetrachloroethane	13.70	83	102239	21.458	ug/l	96
76) 1,2,3-Trichloropropane	13.74	75	93084	20.111	ug/l	99
77) Bromobenzene	13.67	156	142320	20.405	ug/l	91
78) n-propylbenzene	13.78	91	533687	19.174	ug/l	99
79) 2-Chlorotoluene	13.84	91	327370	19.418	ug/l	94
80) 1,3,5-Trimethylbenzene	13.94	105	391750	20.207	ug/l	95
81) trans-1,4-Dichloro-2-buten	13.47	75	28652	20.428	ug/l	97
82) 4-Chlorotoluene	13.95	91	368640	19.855	ug/l	91
83) tert-Butylbenzene	14.19	119	480622	21.401	ug/l	96
84) 1,2,4-Trimethylbenzene	14.24	105	392952	21.228	ug/l	99
85) sec-Butylbenzene	14.37	105	542343	22.349	ug/l	97
86) p-Isopropyltoluene	14.49	119	444715	20.477	ug/l	94
87) 1,3-Dichlorobenzene	14.46	146	252160	20.645	ug/l	97
88) 1,4-Dichlorobenzene	14.54	146	240098	21.020	ug/l	98
89) n-Butylbenzene	14.80	91	400293	20.530	ug/l	100
90) Hexachloroethane	15.01	117	120747	20.561	ug/l	97
91) 1,2-Dichlorobenzene	14.81	146	210060	20.849	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	15.38	75	13194	20.392	ug/l	91

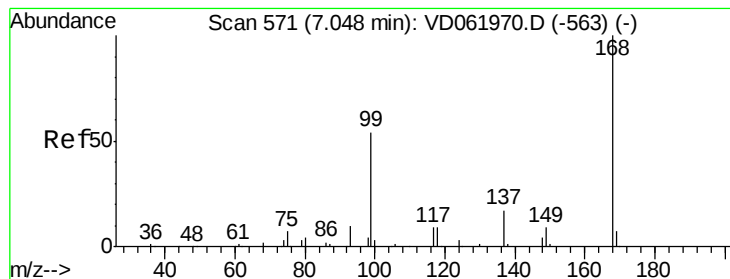
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD042319\
Data File : VD061976.D
Acq On : 23 Apr 2019 18:08
Operator : VA/AP
Sample : VD0423SBSD01
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Instrument :
MSVOA_D
ClientSampleId :
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Quant Title : SW846 8260
QLast Update : Tue Apr 23 14:52:55 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.94	180	129972	23.909	ug/l	95
94) Hexachlorobutadiene	16.04	225	88522	22.004	ug/l	98
95) Naphthalene	16.12	128	209469	23.865	ug/l	99
96) 1,2,3-Trichlorobenzene	16.27	180	86741	28.122	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.05 min Scan# 571

Delta R.T. -0.01 min

Lab File: VD061976.D

Acq: 23 Apr 2019 18:08

Instrument :

MSVOA_D

ClientSampleId :

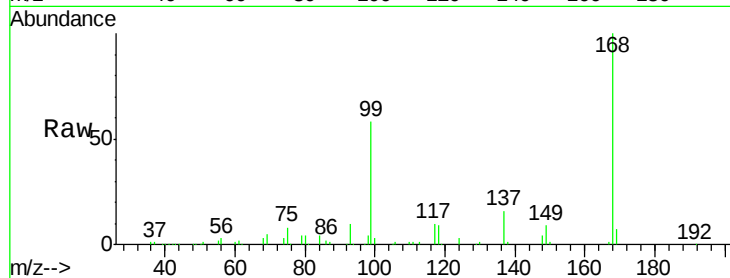
VD0423SBSD01

Tot Ion:168 Resp: 601648

Ion Ratio Lower Upper

168 100

99 58.0 46.5 69.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.05

250000

200000

150000

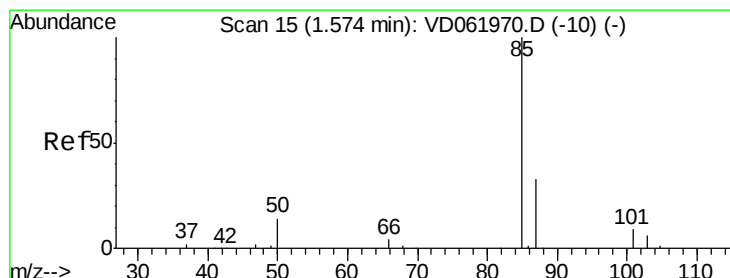
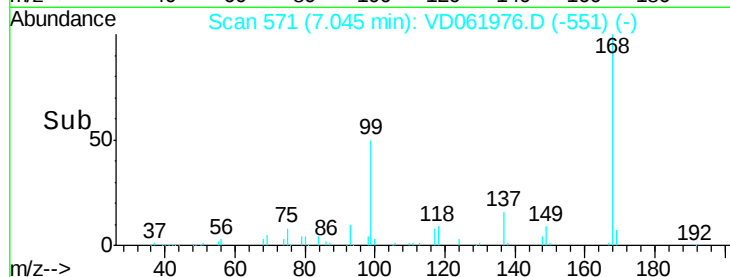
100000

50000

0

6.90 7.00 7.10 7.20 7.30

Time-->



#2

Dichlorodifluoromethane

Concen: 18.093 ug/l

RT: 1.57 min Scan# 15

Delta R.T. -0.02 min

Lab File: VD061976.D

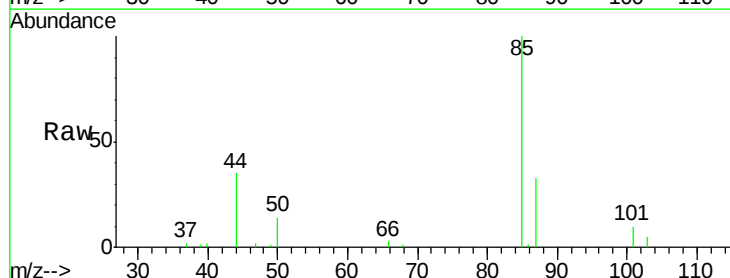
Acq: 23 Apr 2019 18:08

Tgt Ion: 85 Resp: 97199

Ion Ratio Lower Upper

85 100

87 33.1 16.2 48.6



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.57

60000

50000

40000

30000

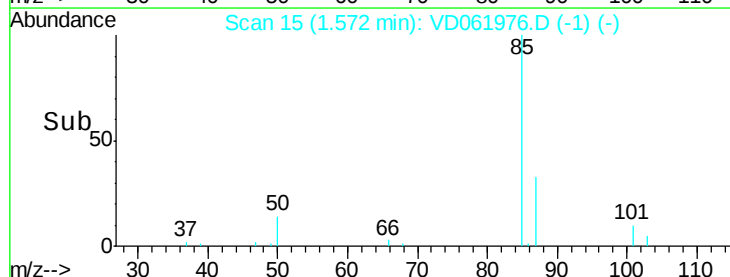
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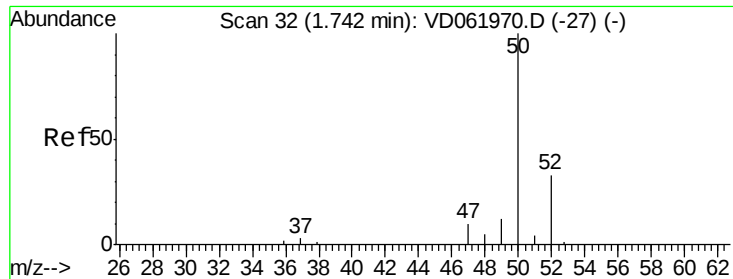
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0

1.50 1.60 1.70 1.80

Time-->

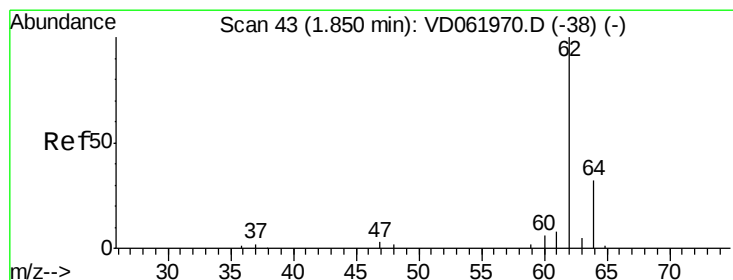
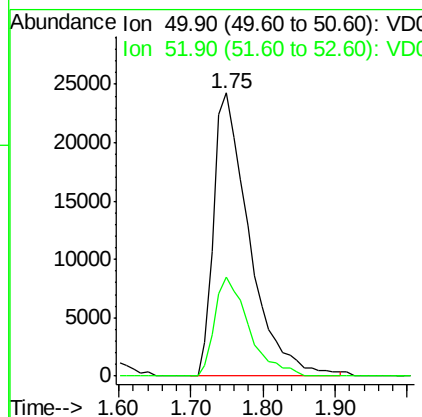
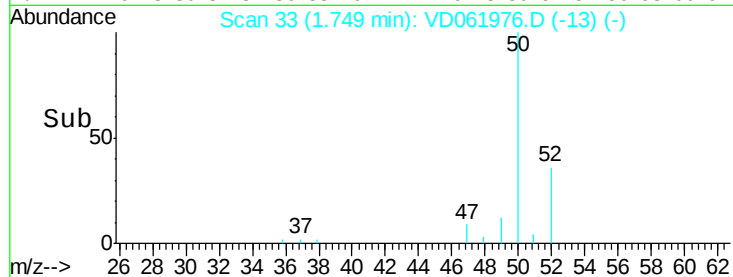
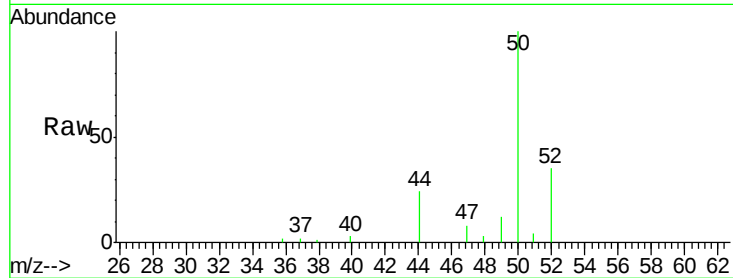




#3
 Chloromethane
 Concen: 18.139 ug/l
 RT: 1.75 min Scan# 33
 Delta R.T. -0.01 min
 Lab File: VD061976.D
 Acq: 23 Apr 2019 18:08

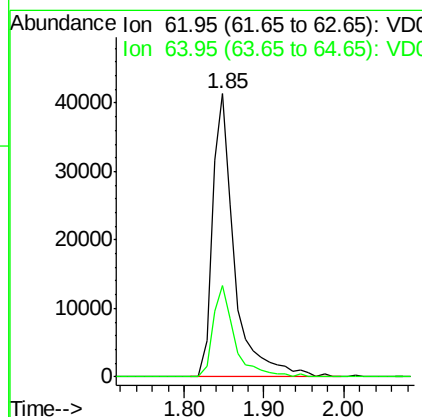
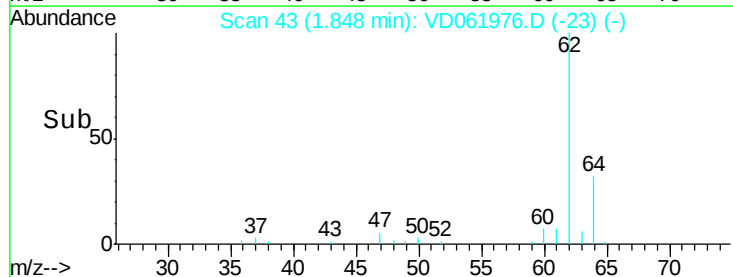
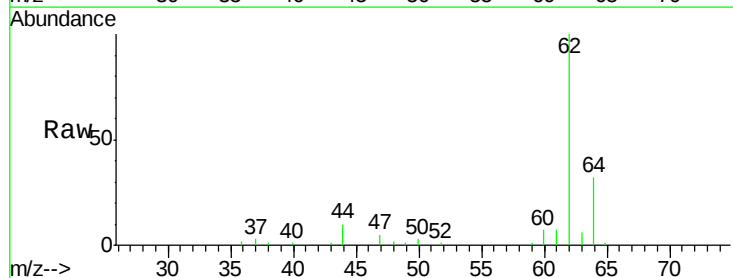
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0423SBSD01

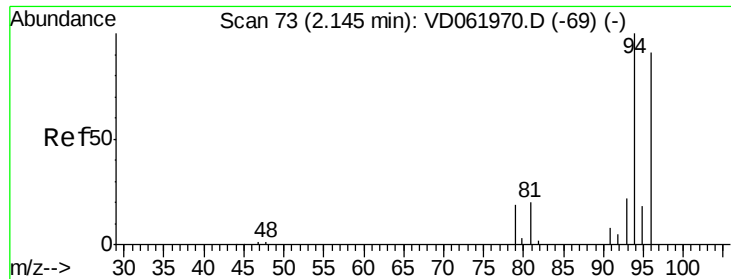
Tot Ion: 50 Resp: 82821
 Ion Ratio Lower Upper
 50 100
 52 35.1 25.2 37.8



#4
 Vinyl Chloride
 Concen: 19.055 ug/l
 RT: 1.85 min Scan# 43
 Delta R.T. -0.01 min
 Lab File: VD061976.D
 Acq: 23 Apr 2019 18:08

Tgt Ion: 62 Resp: 78858
 Ion Ratio Lower Upper
 62 100
 64 32.4 26.5 39.7





#5

Bromomethane

Concen: 15.409 ug/l

RT: 2.14 min Scan# 73

Delta R.T. -0.02 min

Lab File: VD061976.D

Acq: 23 Apr 2019 18:08

Instrument :

MSVOA_D

ClientSampleId :

VD0423SBSD01

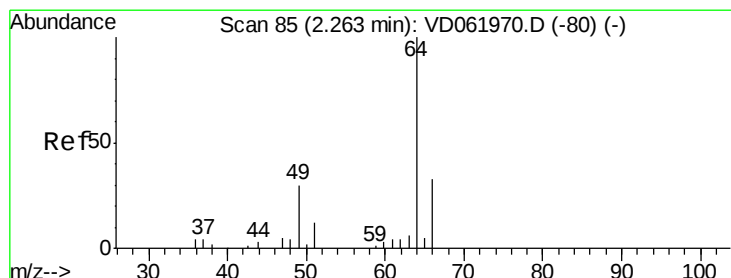
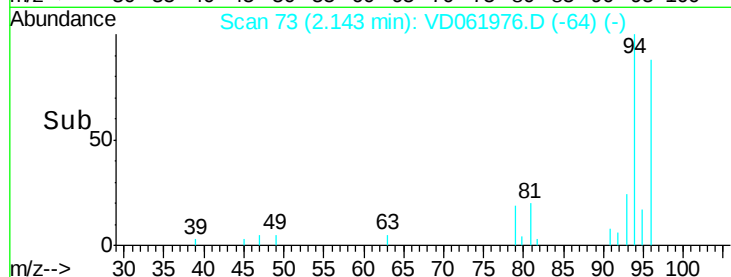
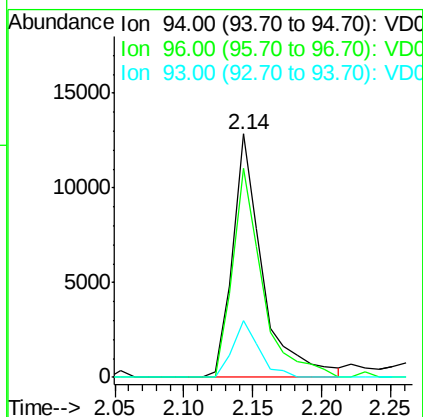
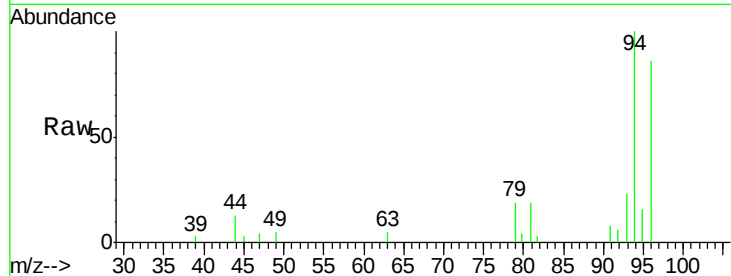
Tot Ion: 94 Resp: 19512

Ion Ratio Lower Upper

94 100

96 85.9 76.6 115.0

93 23.3 18.5 27.7



#6

Chloroethane

Concen: 14.560 ug/l

RT: 2.25 min Scan# 84

Delta R.T. -0.03 min

Lab File: VD061976.D

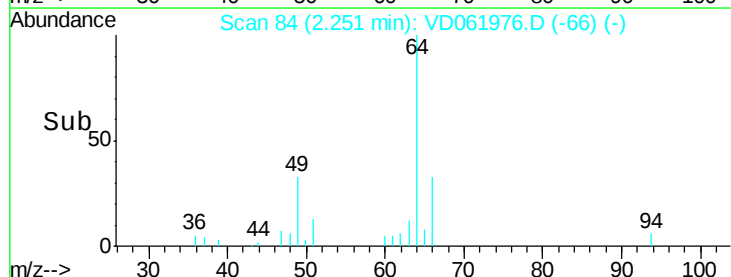
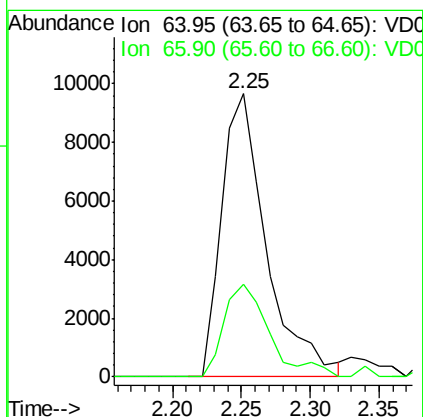
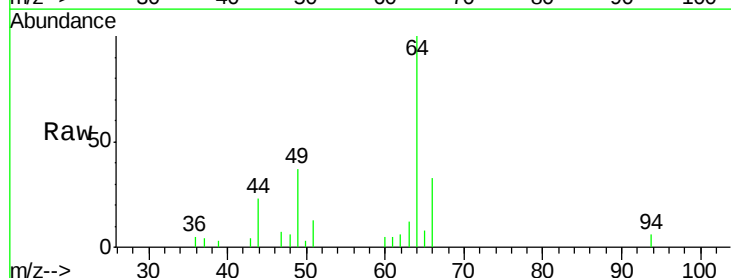
Acq: 23 Apr 2019 18:08

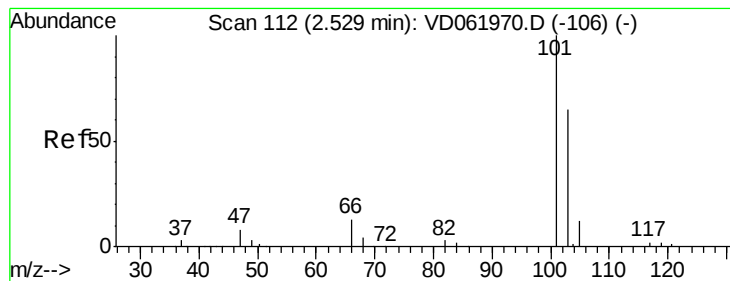
Tgt Ion: 64 Resp: 21781

Ion Ratio Lower Upper

64 100

66 32.6 25.6 38.4



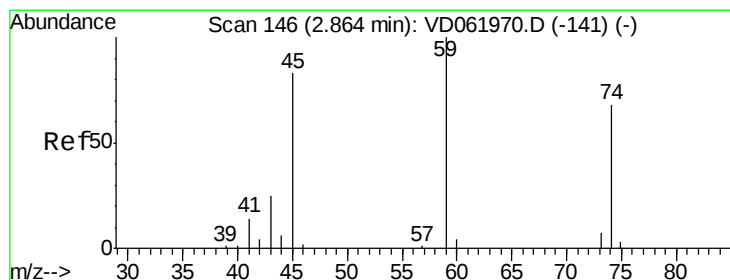
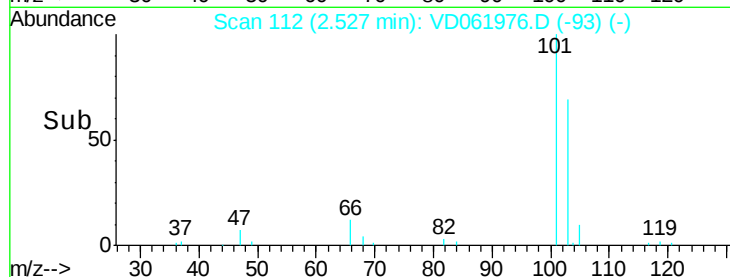
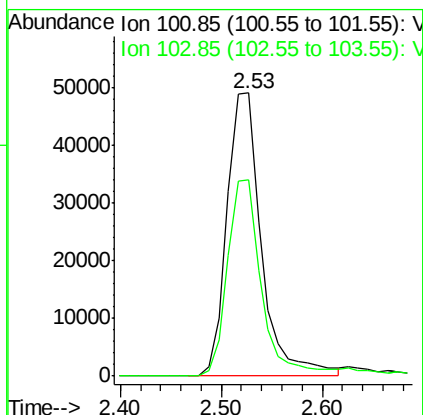
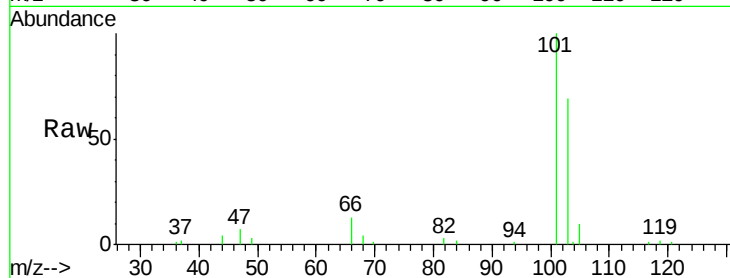


#7

Trichlorofluoromethane
 Concen: 18.620 ug/l
 RT: 2.53 min Scan# 112
 Delta R.T. -0.02 min
 Lab File: VD061976.D
 Acq: 23 Apr 2019 18:08

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0423SBSD01

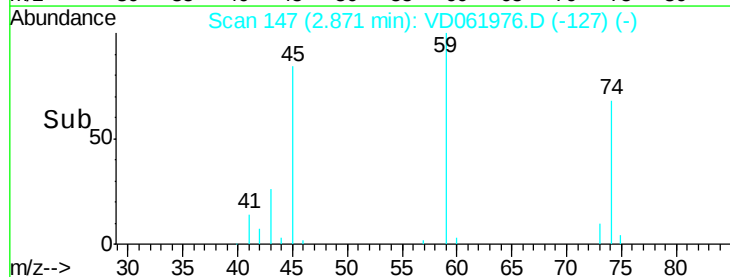
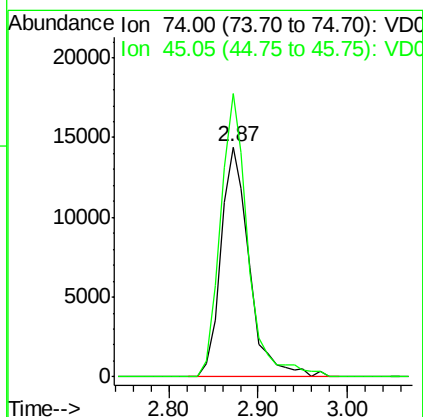
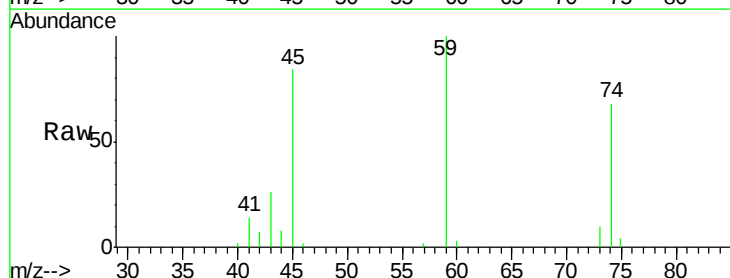
Tot Ion:101 Resp: 116515
 Ion Ratio Lower Upper
 101 100
 103 69.5 53.6 80.4



#8

Diethyl Ether
 Concen: 19.241 ug/l
 RT: 2.87 min Scan# 147
 Delta R.T. -0.01 min
 Lab File: VD061976.D
 Acq: 23 Apr 2019 18:08

Tgt Ion: 74 Resp: 32268
 Ion Ratio Lower Upper
 74 100
 45 123.2 56.9 170.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.492 ug/l

RT: 3.15 min Scan# 175

Delta R.T. -0.02 min

Lab File: VD061976.D

Acq: 23 Apr 2019 18:08

Instrument :

MSVOA_D

ClientSampleId :

VD0423SBSD01

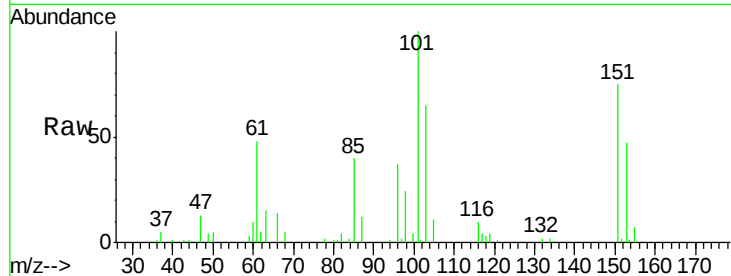
Tot Ion:101 Resp: 112355

Ion Ratio Lower Upper

101 100

85 40.0 32.4 48.6

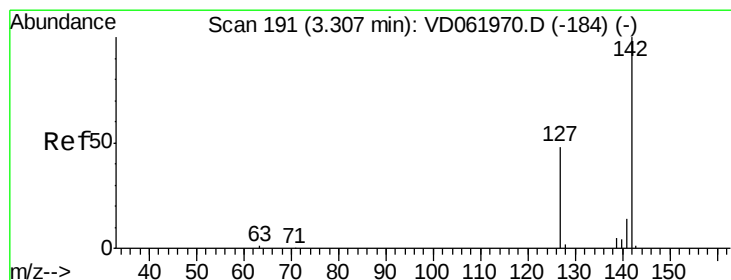
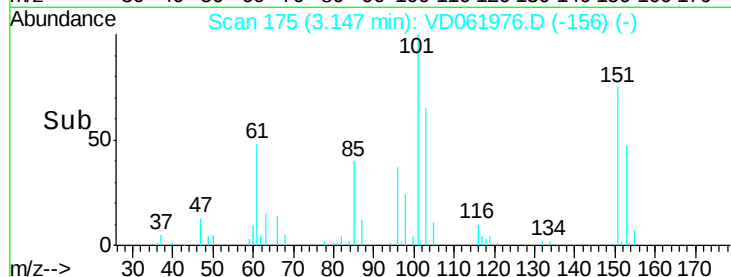
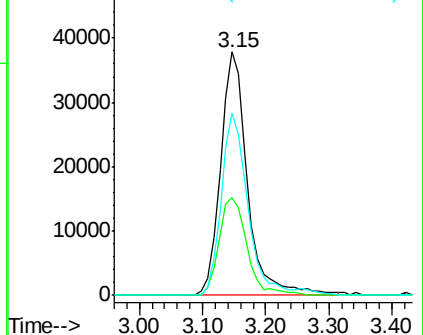
151 75.0 59.4 89.0



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: 18.284 ug/l

RT: 3.30 min Scan# 191

Delta R.T. -0.02 min

Lab File: VD061976.D

Acq: 23 Apr 2019 18:08

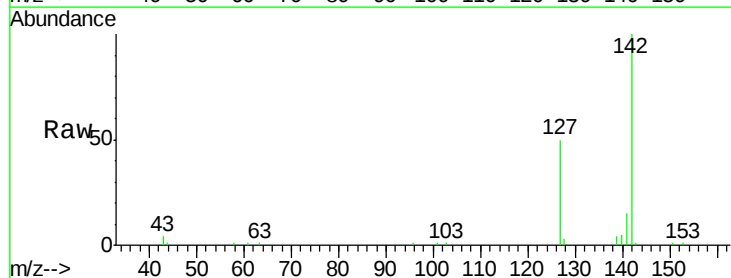
Tgt Ion:142 Resp: 126645

Ion Ratio Lower Upper

142 100

127 49.5 38.8 58.2

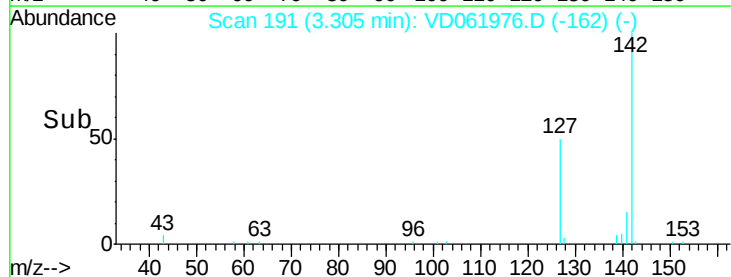
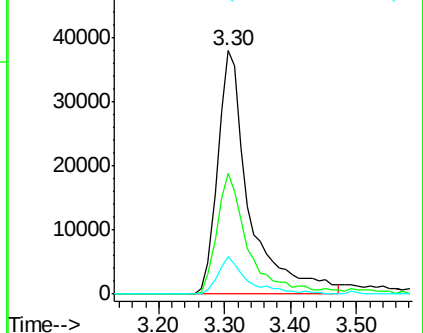
141 15.5 11.4 17.0

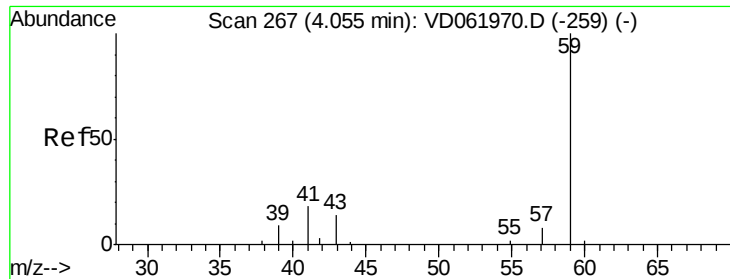


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V

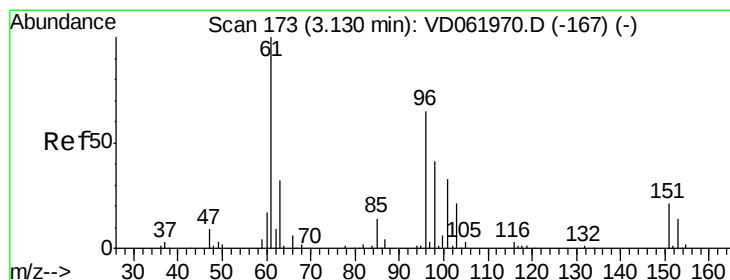
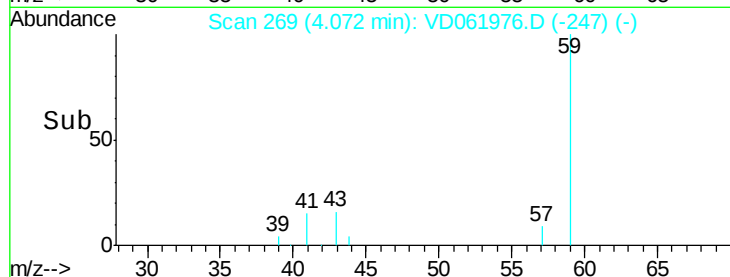
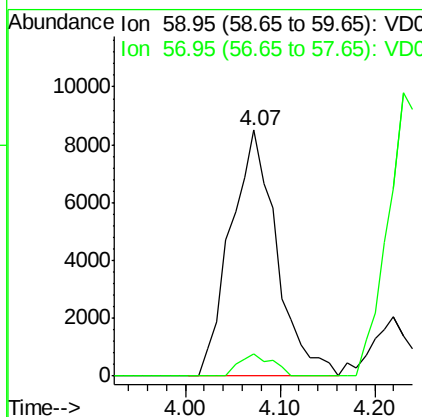
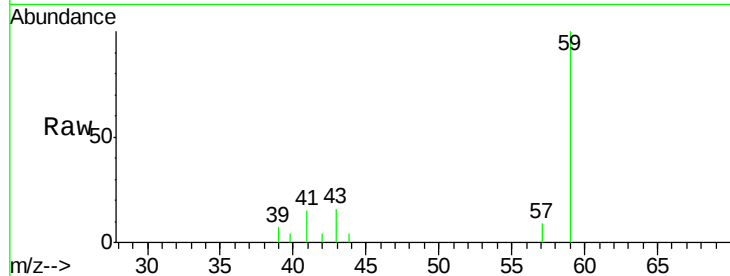




#11
Tert butyl alcohol
Concen: 107.742 ug/l
RT: 4.07 min Scan# 269
Delta R.T. 0.01 min
Lab File: VD061976.D
Acq: 23 Apr 2019 18:08

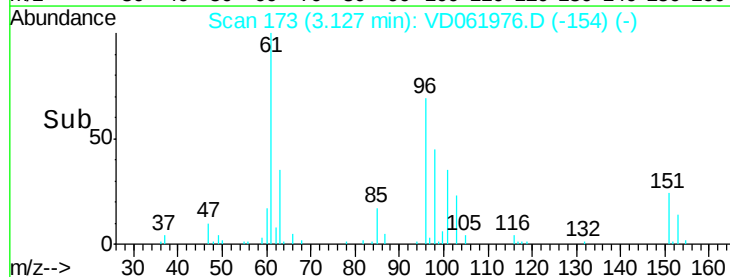
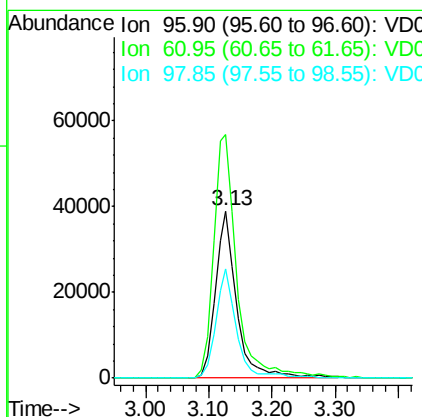
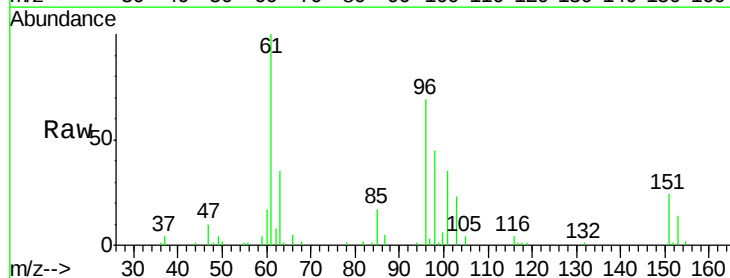
Instrument :
MSVOA_D
ClientSampleId :
VD0423SBSD01

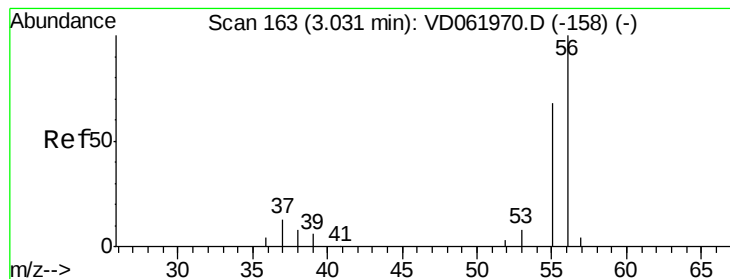
Tot Ion: 59 Resp: 28665
Ion Ratio Lower Upper
59 100
57 9.2 6.9 10.3



#12
1,1-Dichloroethene
Concen: 18.865 ug/l
RT: 3.13 min Scan# 173
Delta R.T. -0.02 min
Lab File: VD061976.D
Acq: 23 Apr 2019 18:08

Tgt Ion: 96 Resp: 92517
Ion Ratio Lower Upper
96 100
61 145.4 129.8 194.8
98 65.6 51.2 76.8





#13

Acrolein

Concen: 98.672 ug/l

RT: 3.04 min Scan# 164

Delta R.T. -0.01 min

Lab File: VD061976.D

Acq: 23 Apr 2019 18:08

Instrument :

MSVOA_D

ClientSampleId :

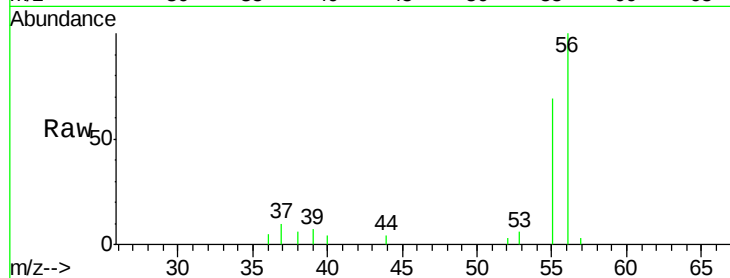
VD0423SBSD01

Tot Ion: 56 Resp: 27238

Ion Ratio Lower Upper

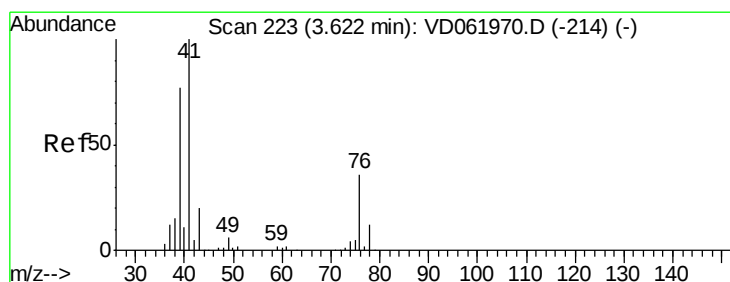
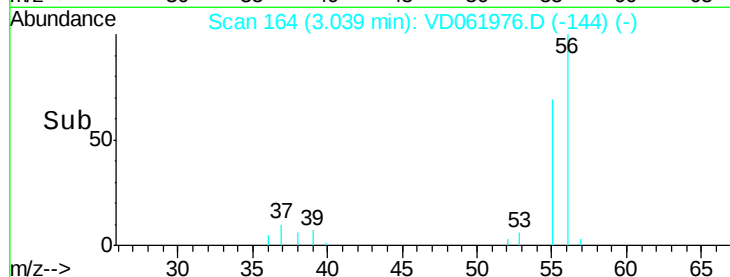
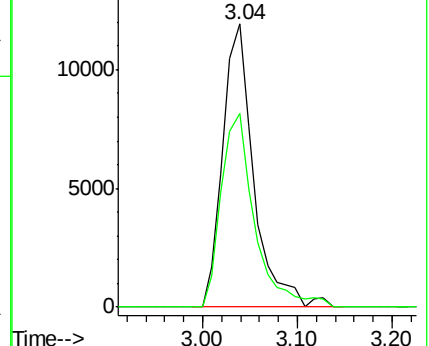
56 100

55 68.6 51.4 77.2



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 18.278 ug/l

RT: 3.62 min Scan# 223

Delta R.T. -0.02 min

Lab File: VD061976.D

Acq: 23 Apr 2019 18:08

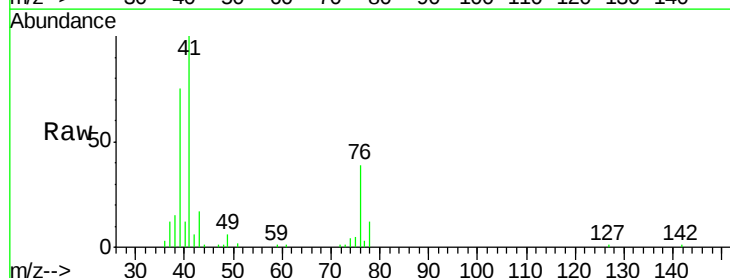
Tgt Ion: 41 Resp: 122398

Ion Ratio Lower Upper

41 100

39 75.1 60.5 90.7

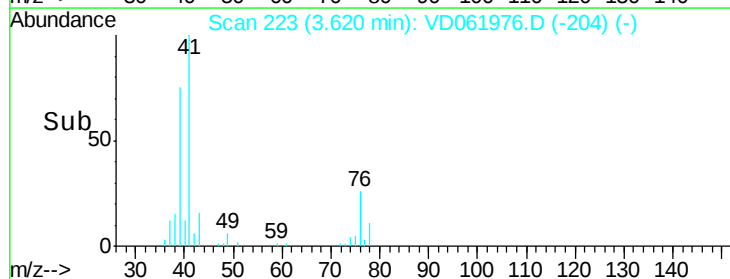
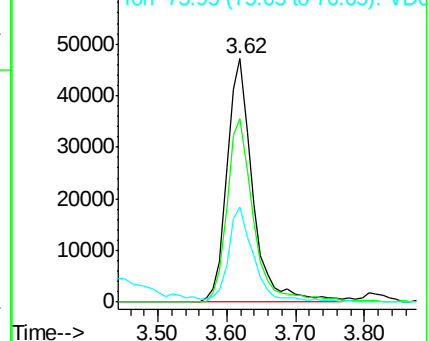
76 38.9 31.8 47.8

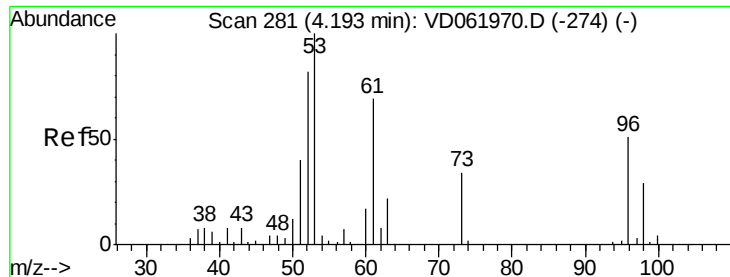


Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC





#15

Acrylonitrile

Concen: 101.974 ug/l

RT: 4.19 min Scan# 281

Delta R.T. -0.02 min

Lab File: VD061976.D

Acq: 23 Apr 2019 18:08

Instrument :

MSVOA_D

ClientSampleId :

VD0423SBS01

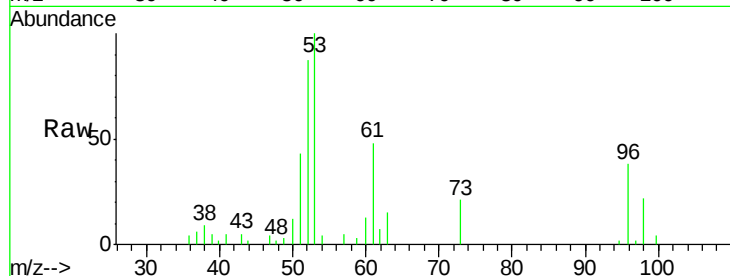
Tot Ion: 53 Resp: 84010

Ion Ratio Lower Upper

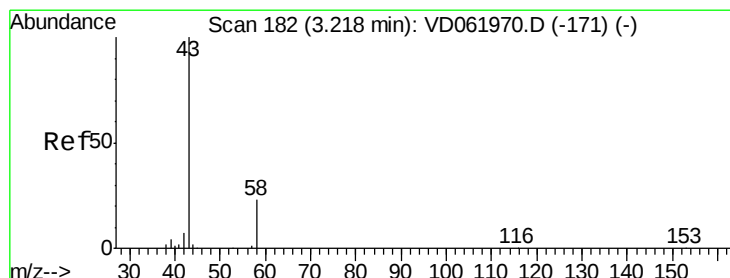
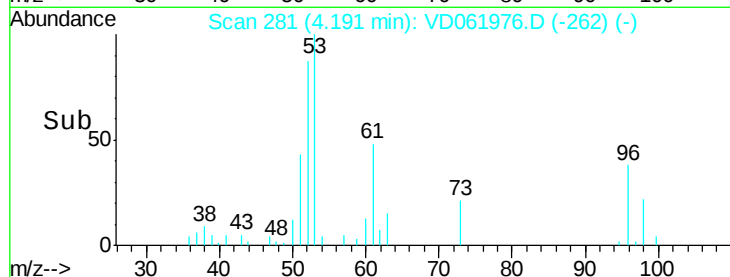
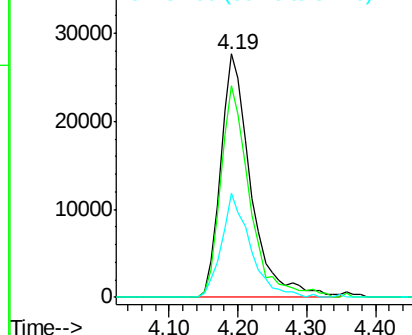
53 100

52 86.9 65.0 97.4

51 43.0 32.6 48.8



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: 96.288 ug/l

RT: 3.22 min Scan# 182

Delta R.T. -0.01 min

Lab File: VD061976.D

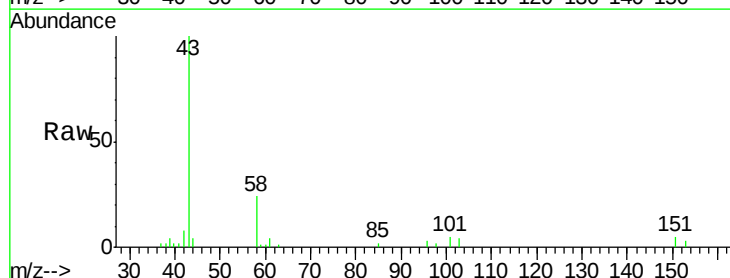
Acq: 23 Apr 2019 18:08

Tgt Ion: 43 Resp: 108260

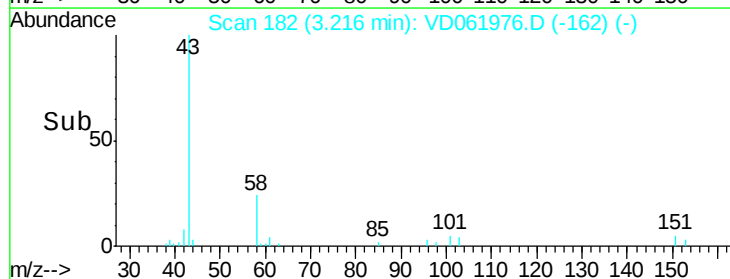
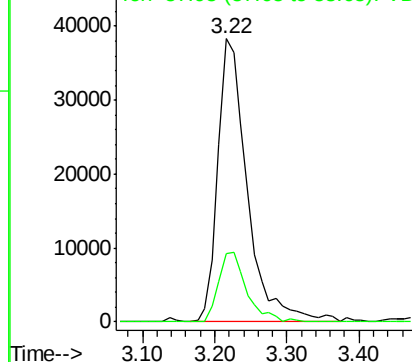
Ion Ratio Lower Upper

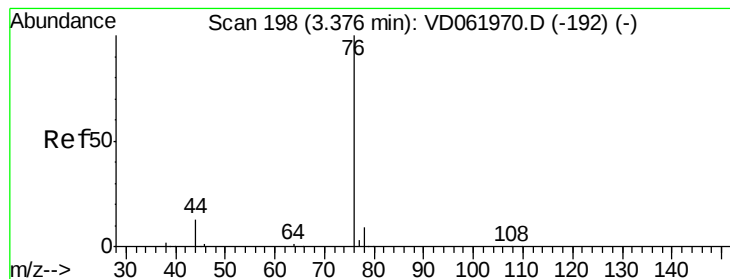
43 100

58 24.0 19.9 29.9



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





#17

Carbon Disulfide

Concen: 18.612 ug/l

RT: 3.37 min Scan# 198

Delta R.T. -0.02 min

Lab File: VD061976.D

Acq: 23 Apr 2019 18:08

Instrument :

MSVOA_D

ClientSampleId :

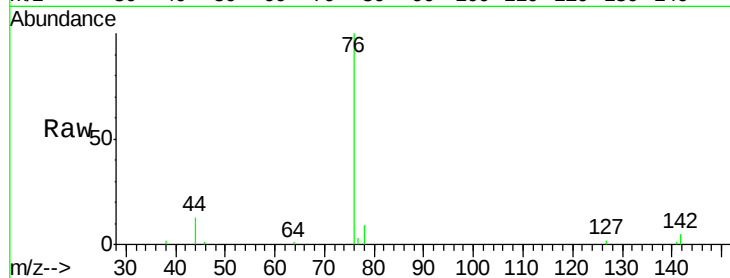
VD0423SBSD01

Tot Ion: 76 Resp: 263753

Ion Ratio Lower Upper

76 100

78 8.9 7.2 10.8



Abundance Ion 75.85 (75.55 to 76.55): VDC

Ion 77.85 (77.55 to 78.55): VDC

3.37

120000

100000

80000

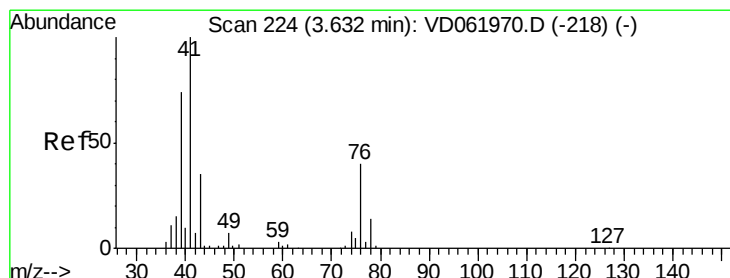
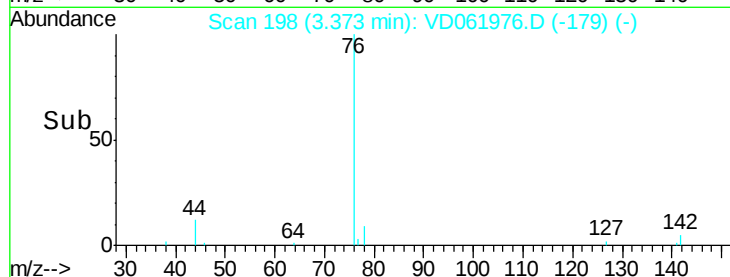
60000

40000

20000

0

Time-->



#18

Methyl Acetate

Concen: 20.878 ug/l

RT: 3.65 min Scan# 226

Delta R.T. 0.00 min

Lab File: VD061976.D

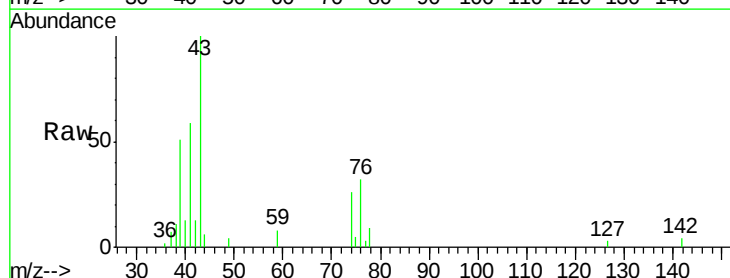
Acq: 23 Apr 2019 18:08

Tgt Ion: 43 Resp: 45139

Ion Ratio Lower Upper

43 100

74 25.7 18.0 27.0



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC

3.65

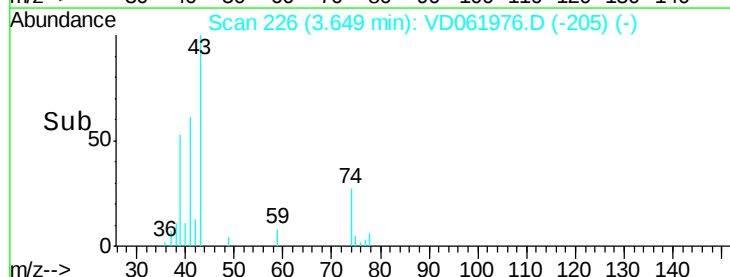
15000

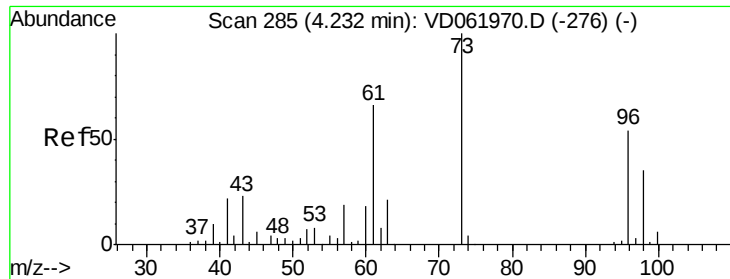
10000

5000

0

Time-->

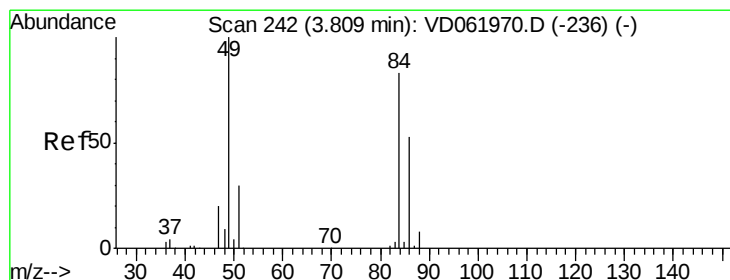
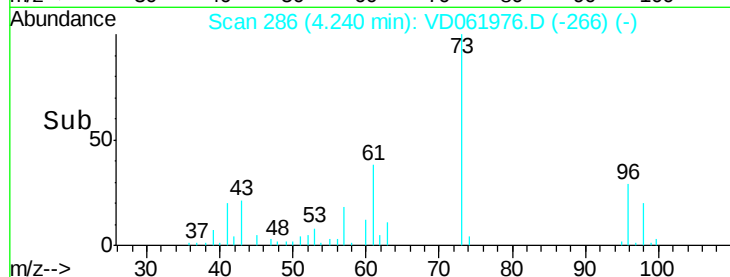
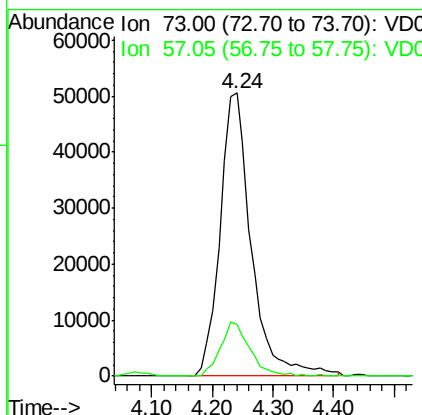
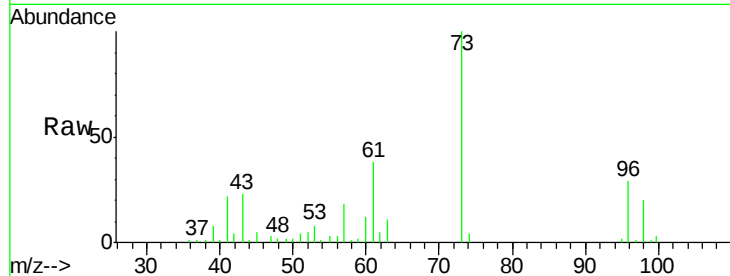




#19
Methvl tert-butvl Ether
Concen: 18.558 ug/l
RT: 4.24 min Scan# 286
Delta R.T. -0.01 min
Lab File: VD061976.D
Acq: 23 Apr 2019 18:08

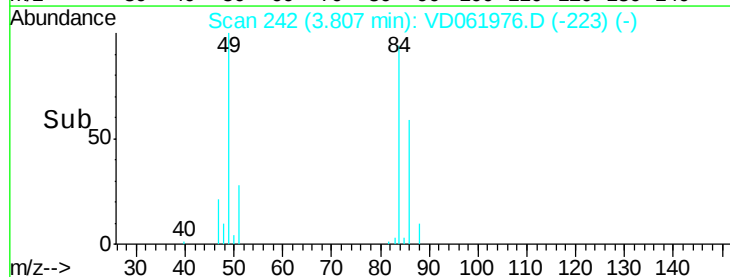
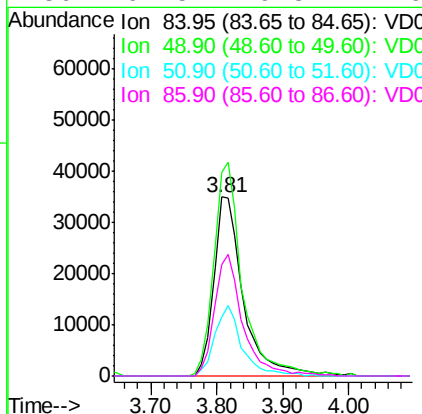
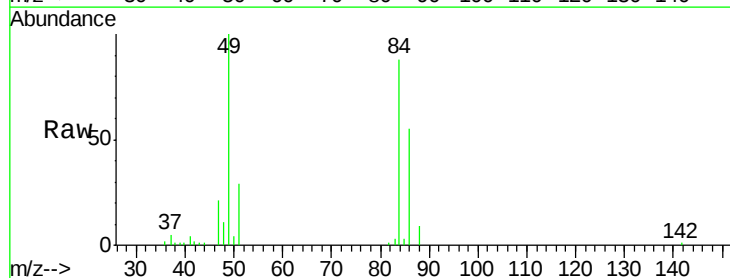
Instrument :
MSVOA_D
ClientSampleId :
VD0423SBSD01

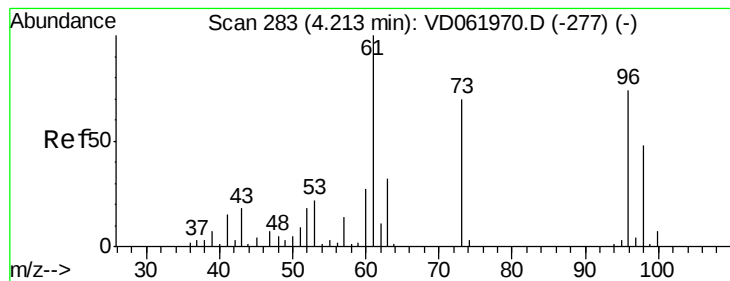
Tot Ion: 73 Resp: 180579
Ion Ratio Lower Upper
73 100
57 18.2 16.3 24.5



#20
Methylene Chloride
Concen: 17.786 ug/l
RT: 3.81 min Scan# 242
Delta R.T. -0.02 min
Lab File: VD061976.D
Acq: 23 Apr 2019 18:08

Tgt Ion: 84 Resp: 108597
Ion Ratio Lower Upper
84 100
49 113.8 94.0 141.0
51 32.8 29.0 43.4
86 62.5 49.8 74.6





#21

trans-1,2-Dichloroethene

Concen: 17.357 ug/l

RT: 4.22 min Scan# 284

Delta R.T. -0.01 min

Lab File: VD061976.D

Acq: 23 Apr 2019 18:08

Instrument :

MSVOA_D

ClientSampleId :

VD0423SBSD01

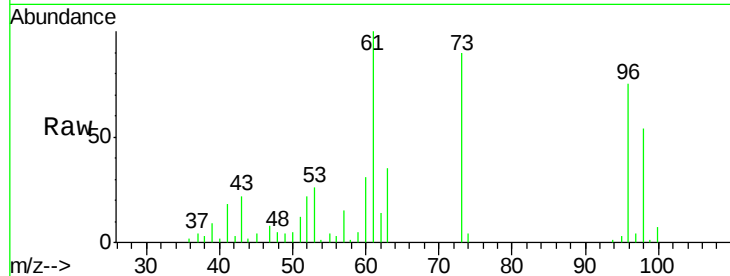
Tot Ion: 96 Resp: 97646

Ion Ratio Lower Upper

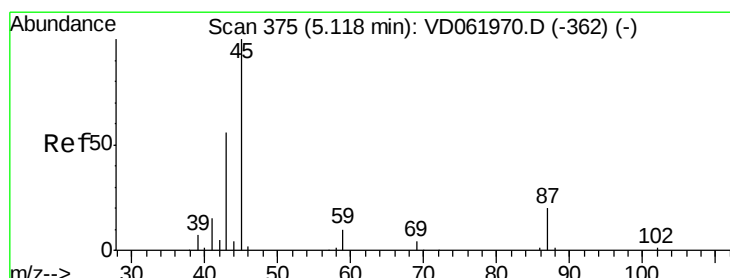
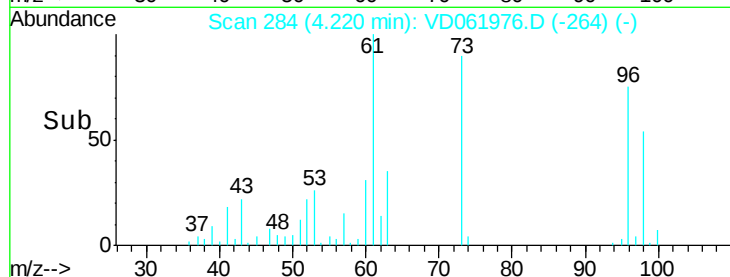
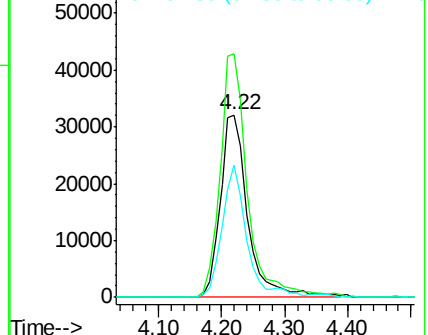
96 100

61 133.5 104.4 156.6

98 72.2 51.8 77.8



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: 17.594 ug/l

RT: 5.13 min Scan# 376

Delta R.T. 0.00 min

Lab File: VD061976.D

Acq: 23 Apr 2019 18:08

Tgt Ion: 45 Resp: 275077

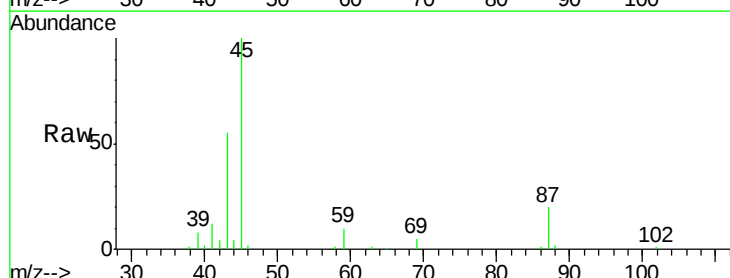
Ion Ratio Lower Upper

45 100

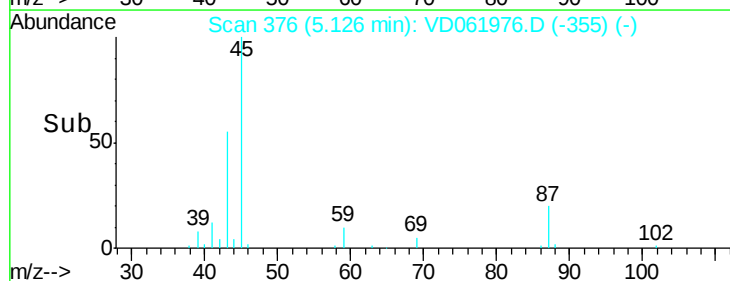
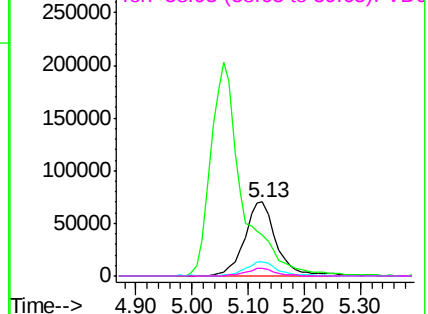
43 55.0 46.2 69.2

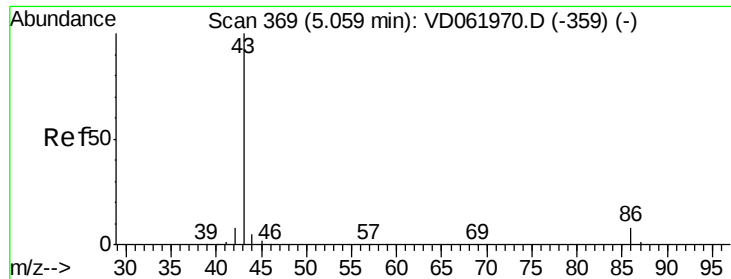
87 19.8 15.9 23.9

59 10.1 7.9 11.9



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: 96.214 ug/l

RT: 5.06 min Scan# 369

Delta R.T. -0.01 min

Lab File: VD061976.D

Acq: 23 Apr 2019 18:08

Instrument :

MSVOA_D

ClientSampleId :

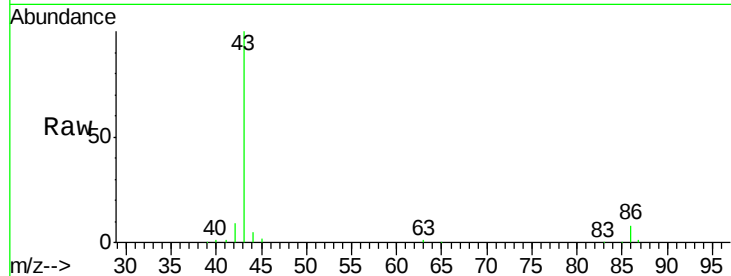
VD0423SBSD01

Tot Ion: 43 Resp: 783367

Ion Ratio Lower Upper

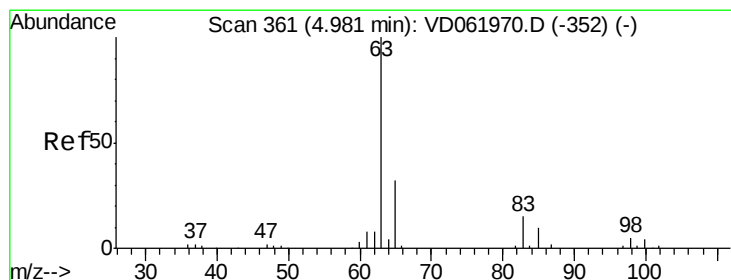
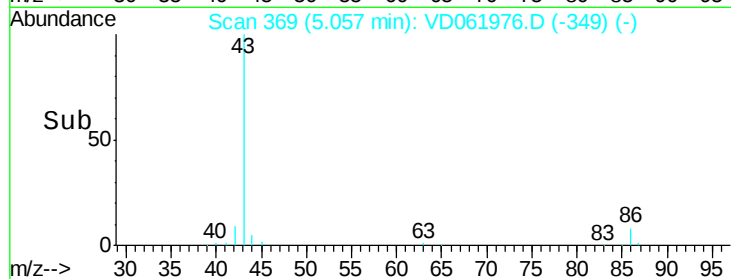
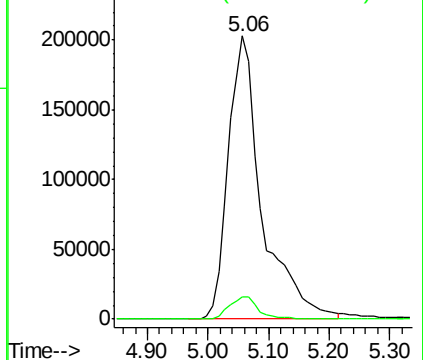
43 100

86 8.0 6.4 9.6



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 18.788 ug/l

RT: 4.99 min Scan# 362

Delta R.T. -0.01 min

Lab File: VD061976.D

Acq: 23 Apr 2019 18:08

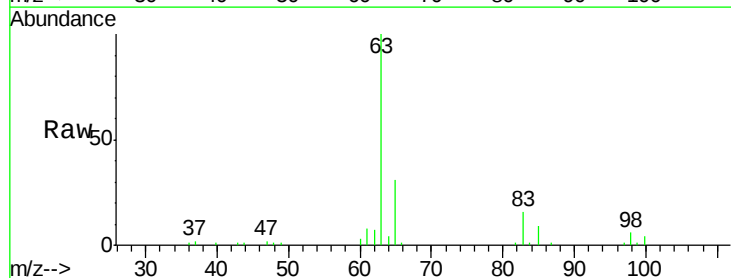
Tgt Ion: 63 Resp: 177543

Ion Ratio Lower Upper

63 100

98 6.0 2.8 8.4

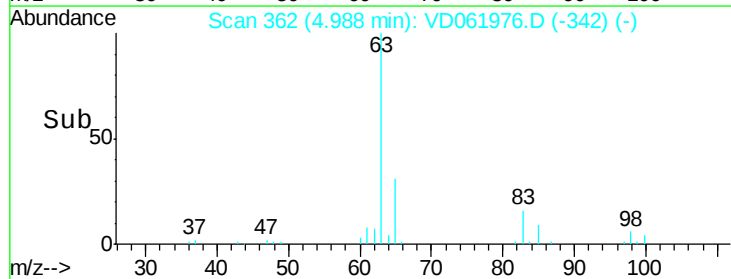
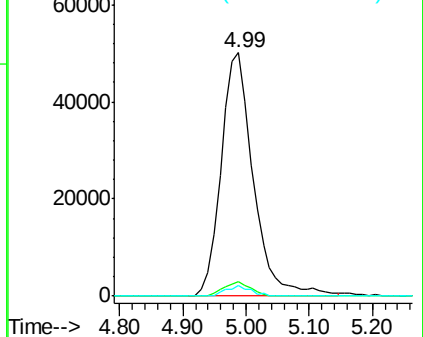
100 4.3 1.8 5.5

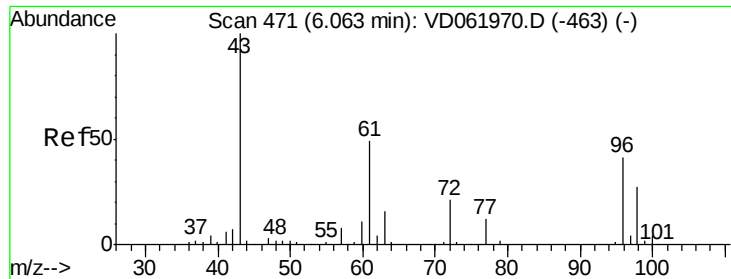


Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC





#25

2-Butanone

Concen: 119.918 ug/l

RT: 6.07 min Scan# 472

Delta R.T. -0.01 min

Lab File: VD061976.D

Acq: 23 Apr 2019 18:08

Instrument :

MSVOA_D

ClientSampleId :

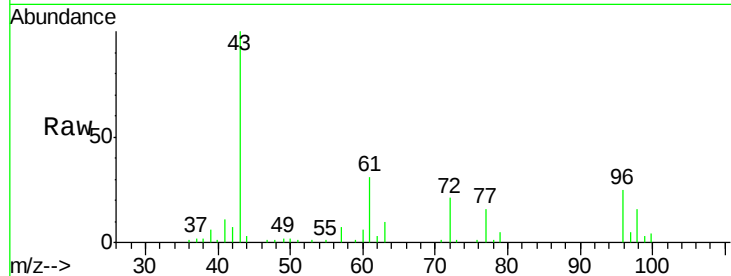
VD0423SBSD01

Tot Ion: 43 Resp: 163468

Ion Ratio Lower Upper

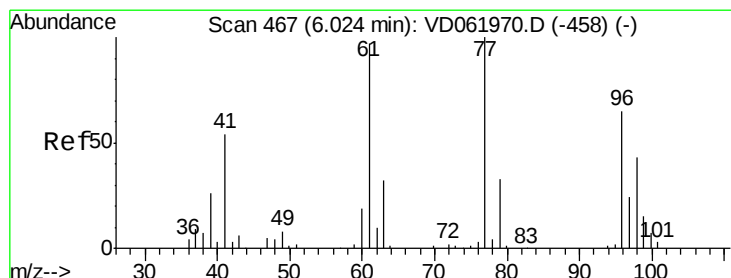
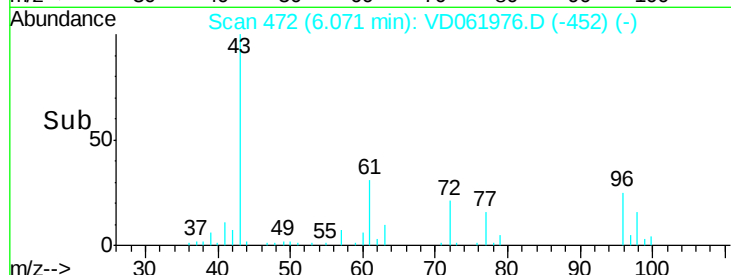
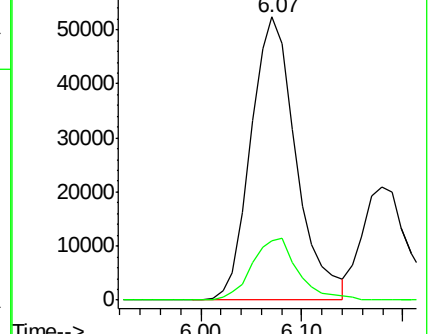
43 100

72 21.1 16.2 24.4



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 19.879 ug/l

RT: 6.03 min Scan# 468

Delta R.T. 0.00 min

Lab File: VD061976.D

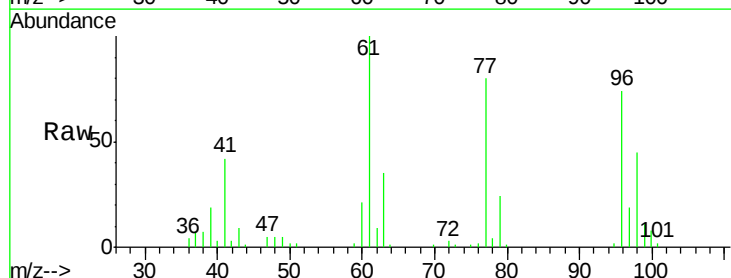
Acq: 23 Apr 2019 18:08

Tgt Ion: 77 Resp: 163882

Ion Ratio Lower Upper

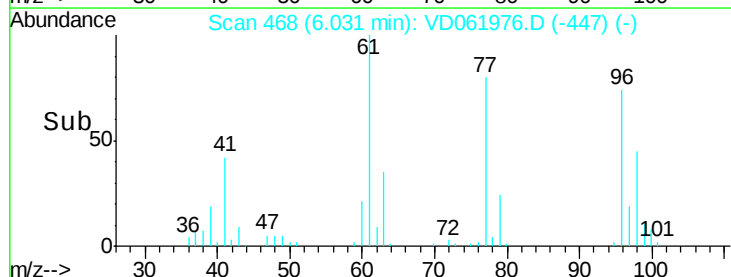
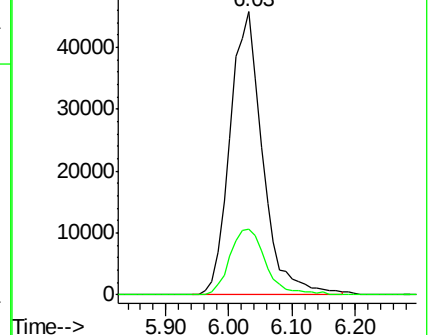
77 100

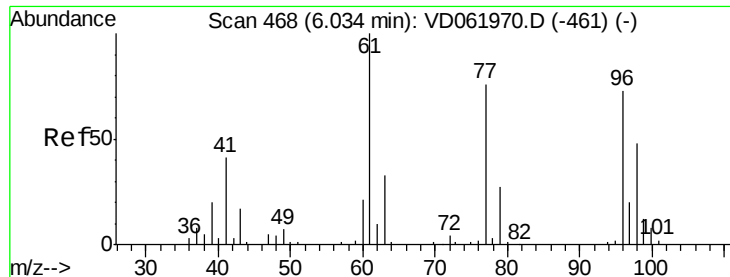
97 23.4 11.9 35.9



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



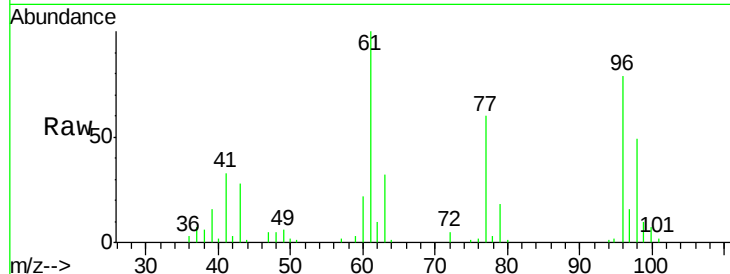


#27

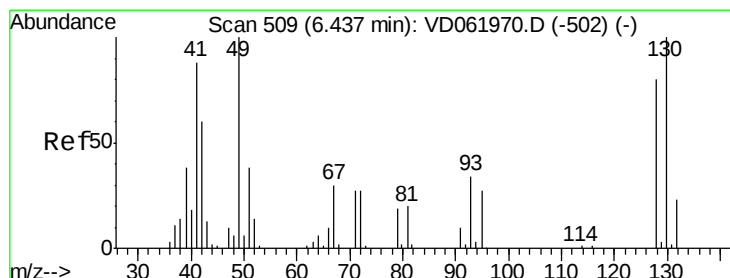
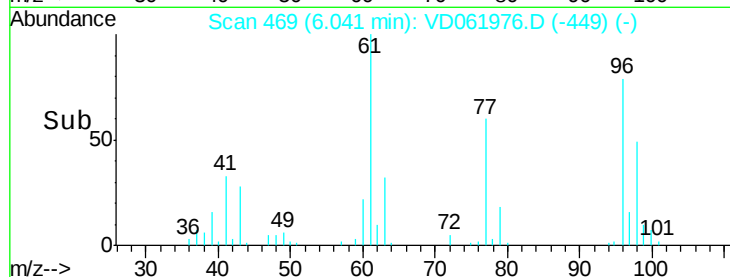
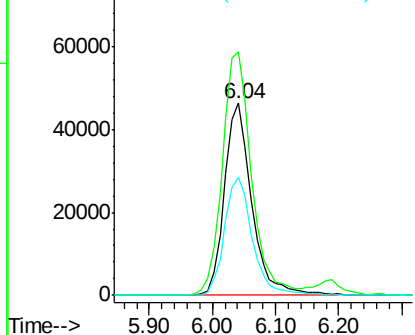
cis-1,2-Dichloroethene
Concen: 21.753 ug/l
RT: 6.04 min Scan# 469
Delta R.T. -0.01 min
Lab File: VD061976.D
Acq: 23 Apr 2019 18:08

Instrument :
MSVOA_D
ClientSampleId :
VD0423SBSD01

Tot Ion: 96 Resp: 139218
Ion Ratio Lower Upper
96 100
61 126.7 0.0 279.8
98 61.8 0.0 136.0



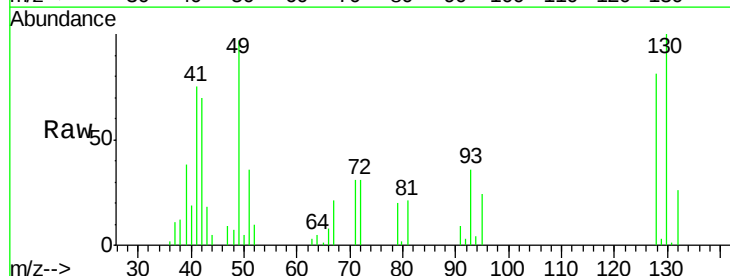
Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 97.85 (97.55 to 98.55): VDC



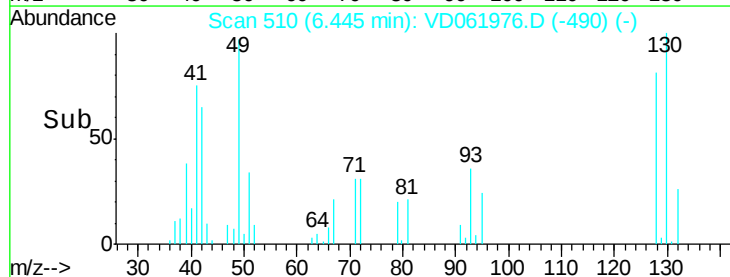
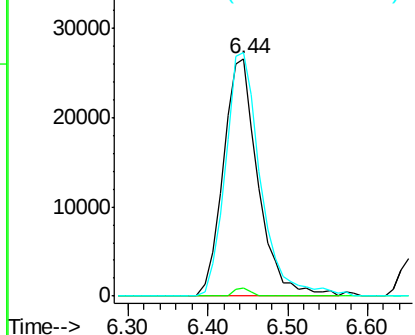
#28

Bromochloromethane
Concen: 22.472 ug/l
RT: 6.44 min Scan# 510
Delta R.T. -0.01 min
Lab File: VD061976.D
Acq: 23 Apr 2019 18:08

Tgt Ion: 49 Resp: 81252
Ion Ratio Lower Upper
49 100
129 3.5 0.0 6.6
130 102.6 86.7 130.1



Abundance Ion 48.90 (48.60 to 49.60): VDC
Ion 128.80 (128.50 to 129.50): VDC
Ion 129.80 (129.50 to 130.50): VDC





#29

Tetrahydrofuran

Concen: 110.200 ug/l

RT: 6.45 min Scan# 511

Delta R.T. -0.01 min

Lab File: VD061976.D

Acq: 23 Apr 2019 18:08

Instrument :

MSVOA_D

ClientSampleId :

VD0423SBS01

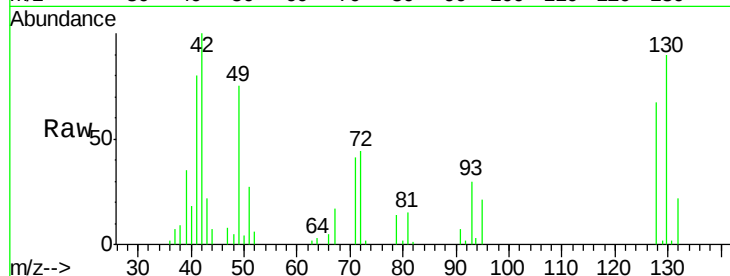
Tot Ion: 42 Resp: 74018

Ion Ratio Lower Upper

42 100

72 46.3 37.8 56.6

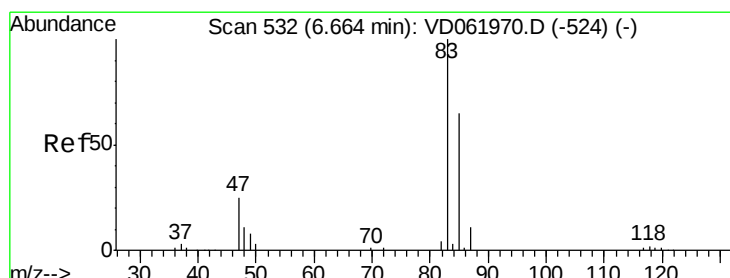
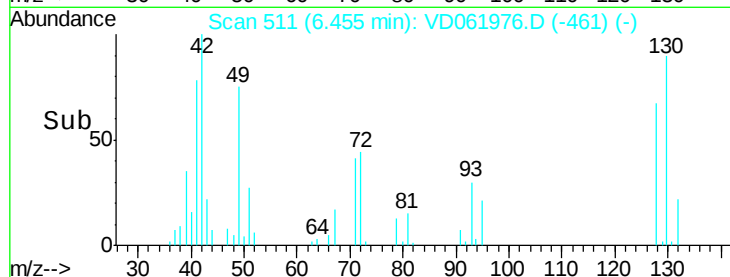
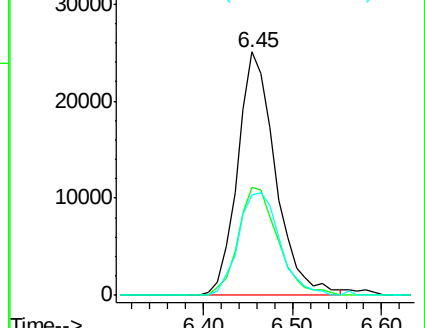
71 46.1 36.7 55.1



Abundance Ion 42.00 (41.70 to 42.70): VDC

Ion 72.00 (71.70 to 72.70): VDC

Ion 71.00 (70.70 to 71.70): VDC



#30

Chloroform

Concen: 20.468 ug/l

RT: 6.66 min Scan# 532

Delta R.T. -0.02 min

Lab File: VD061976.D

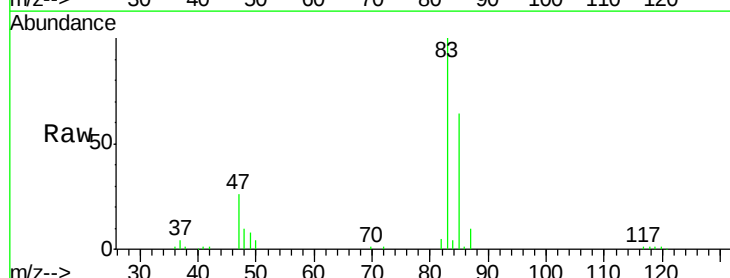
Acq: 23 Apr 2019 18:08

Tgt Ion: 83 Resp: 219684

Ion Ratio Lower Upper

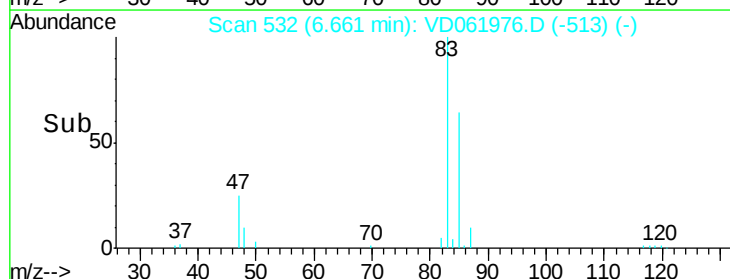
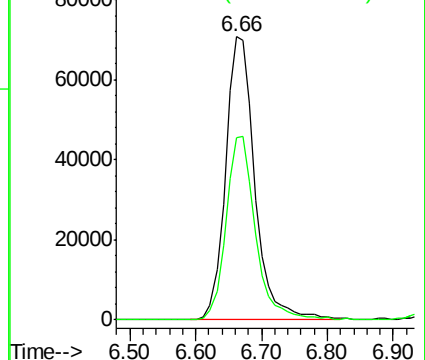
83 100

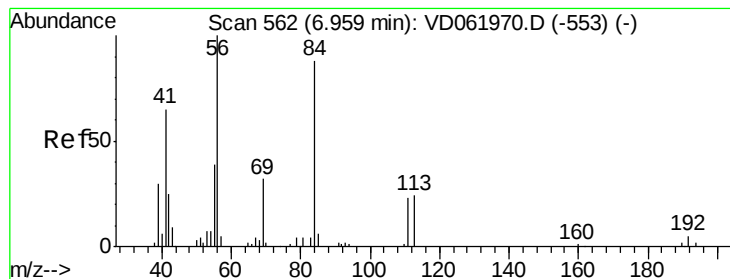
85 64.4 51.7 77.5



Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 84.95 (84.65 to 85.65): VDC





#31

Cyclohexane

Concen: 19.431 ug/l

RT: 6.96 min Scan# 562

Delta R.T. -0.01 min

Lab File: VD061976.D

Acq: 23 Apr 2019 18:08

Instrument :

MSVOA_D

ClientSampleId :

VD0423SBS01

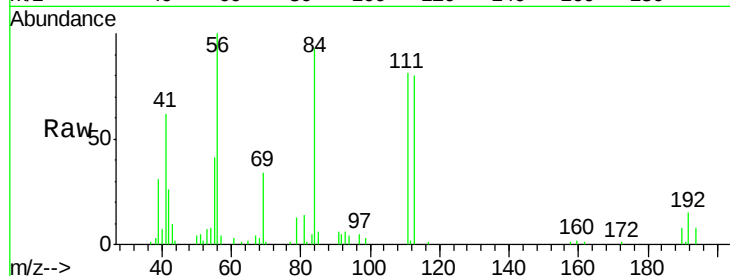
Tot Ion: 56 Resp: 136286

Ion Ratio Lower Upper

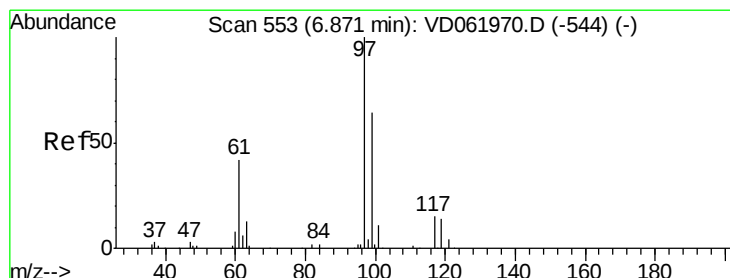
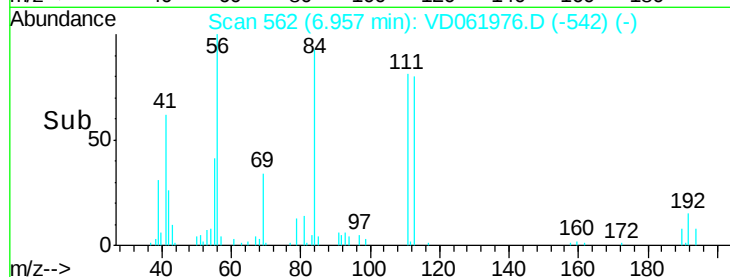
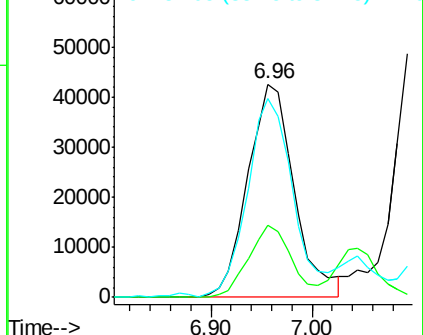
56 100

69 33.6 25.8 38.6

84 93.1 72.2 108.4



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



#32

1,1,1-Trichloroethane

Concen: 19.425 ug/l

RT: 6.88 min Scan# 554

Delta R.T. 0.00 min

Lab File: VD061976.D

Acq: 23 Apr 2019 18:08

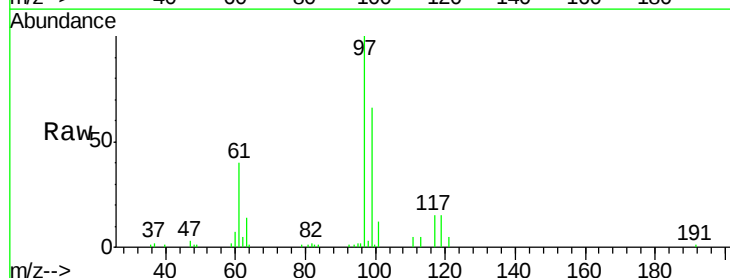
Tgt Ion: 97 Resp: 181402

Ion Ratio Lower Upper

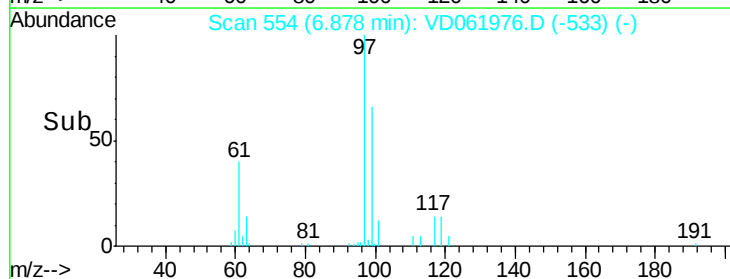
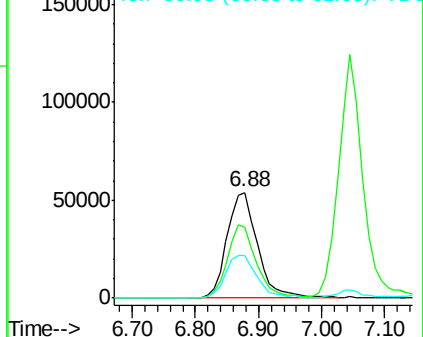
97 100

99 66.4 52.2 78.2

61 40.2 32.4 48.6



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





#33

1,2-Dichloroethane-d4

Concen: 19.425 ug/l

RT: 7.45 min Scan# 612

Delta R.T. -0.01 min

Lab File: VD061976.D

Acq: 23 Apr 2019 18:08

Instrument :

MSVOA_D

ClientSampleId :

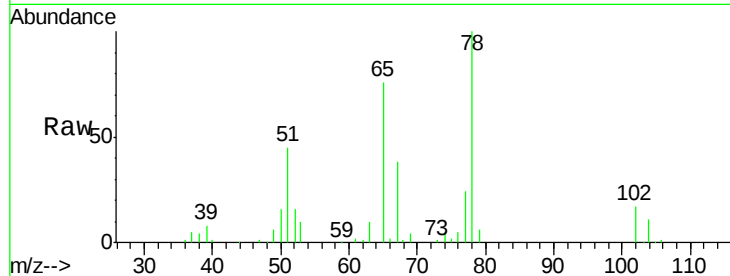
VD0423SBSD01

Tot Ion: 65 Resp: 253316

Ion Ratio Lower Upper

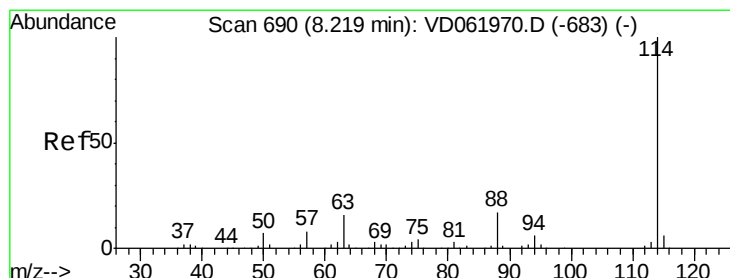
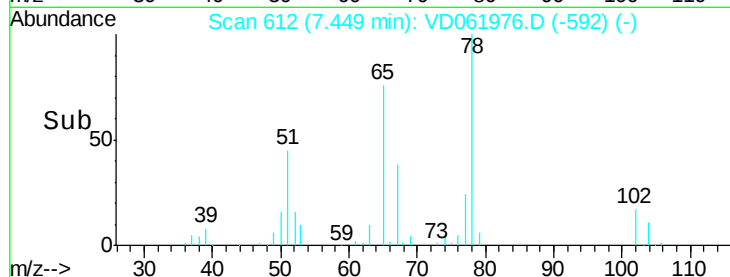
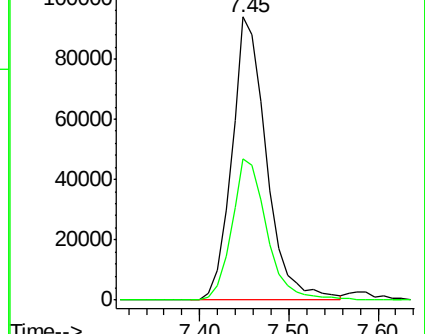
65 100

67 50.0 0.0 98.0



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.22 min Scan# 690

Delta R.T. -0.01 min

Lab File: VD061976.D

Acq: 23 Apr 2019 18:08

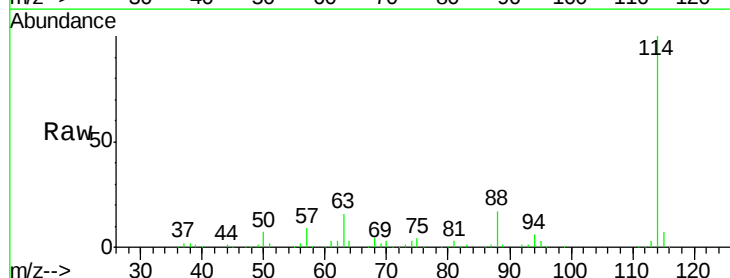
Tgt Ion: 114 Resp: 955279

Ion Ratio Lower Upper

114 100

63 15.7 0.0 32.4

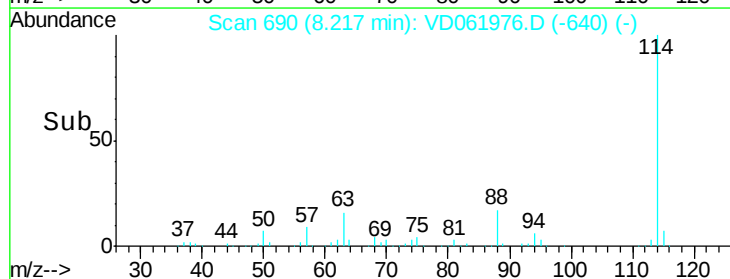
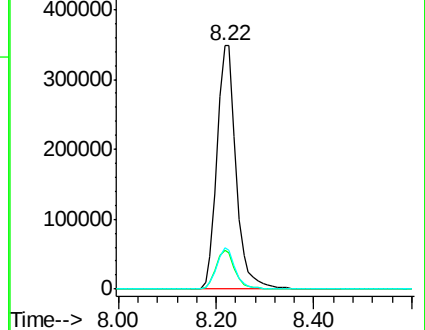
88 16.8 0.0 33.6

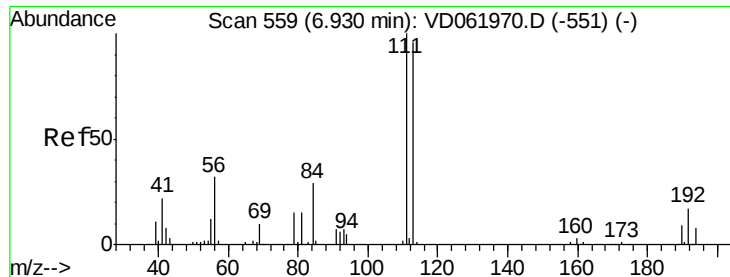


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 6.93 min Scan# 559

Delta R.T. -0.01 min

Lab File: VD061976.D

Acq: 23 Apr 2019 18:08

Instrument :

MSVOA_D

ClientSampleId :

VD0423SBSD01

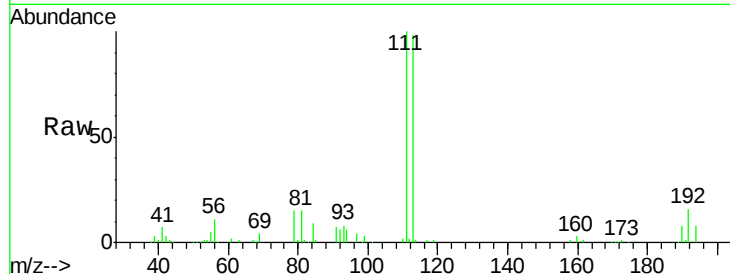
Tot Ion:113 Resp: 369360

Ion Ratio Lower Upper

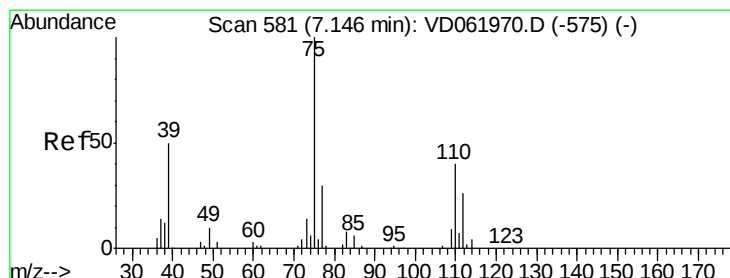
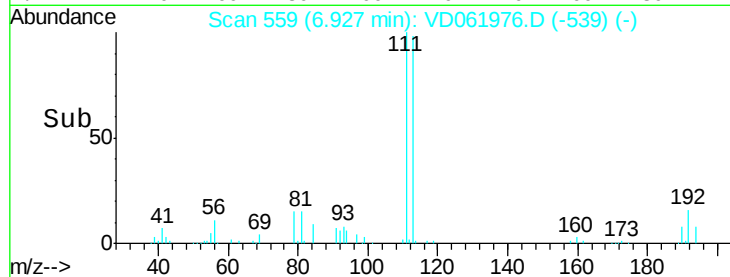
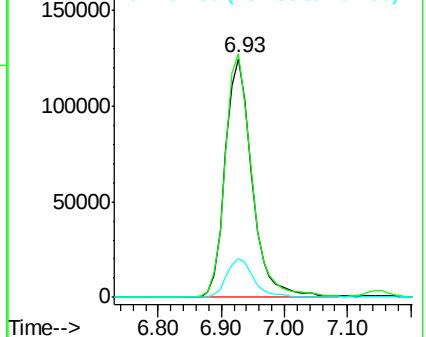
113 100

111 101.9 78.5 117.7

192 16.2 13.0 19.4



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: 20.299 ug/l

RT: 7.14 min Scan# 581

Delta R.T. -0.01 min

Lab File: VD061976.D

Acq: 23 Apr 2019 18:08

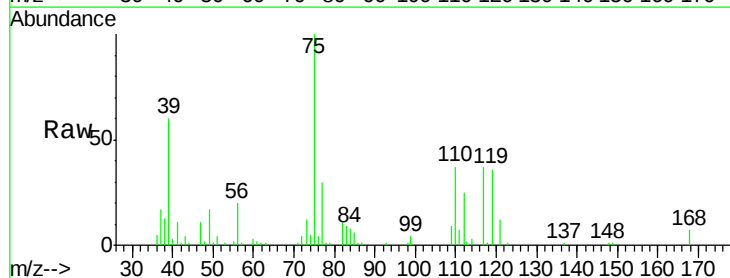
Tgt Ion: 75 Resp: 151082

Ion Ratio Lower Upper

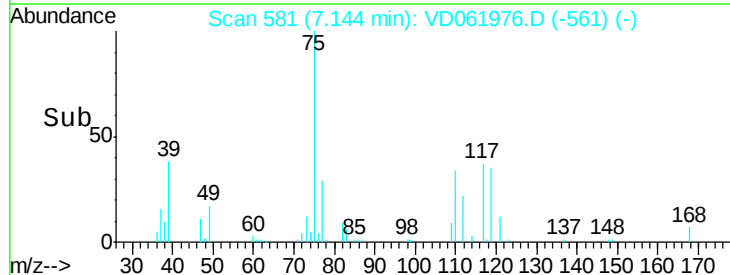
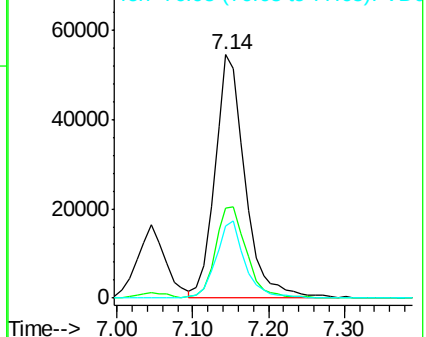
75 100

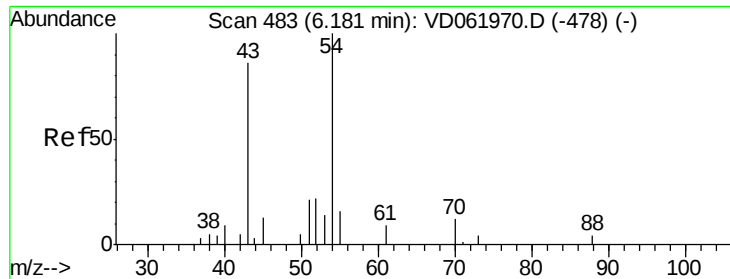
110 37.0 19.1 57.1

77 29.8 25.6 38.4



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

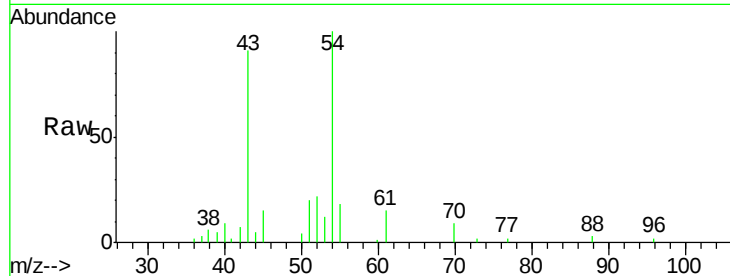




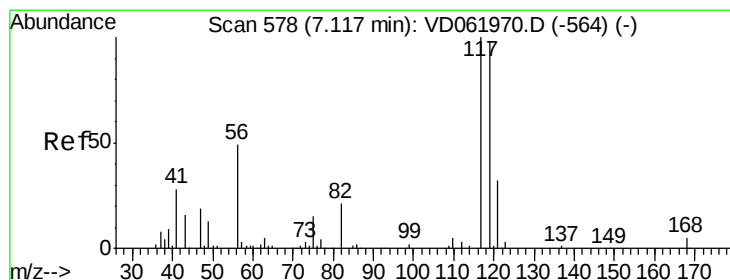
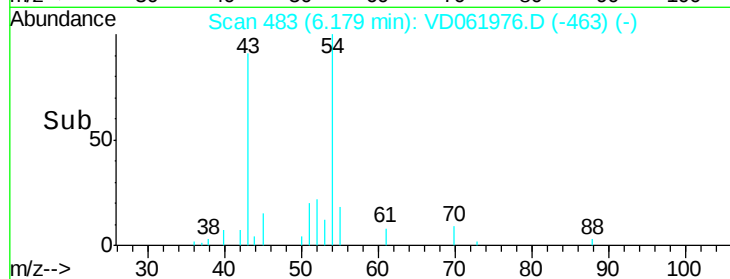
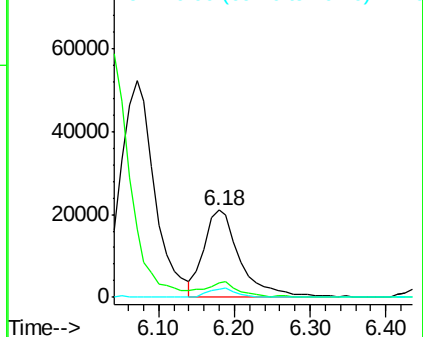
#37
Ethyl Acetate
Concen: 22.373 ug/l
RT: 6.18 min Scan# 483
Delta R.T. -0.01 min
Lab File: VD061976.D
Acq: 23 Apr 2019 18:08

Instrument :
MSVOA_D
ClientSampleId :
VD0423SBS01

Tot Ion: 43 Resp: 70956
Ion Ratio Lower Upper
43 100
61 16.0 14.7 22.1
70 9.6 7.8 11.6

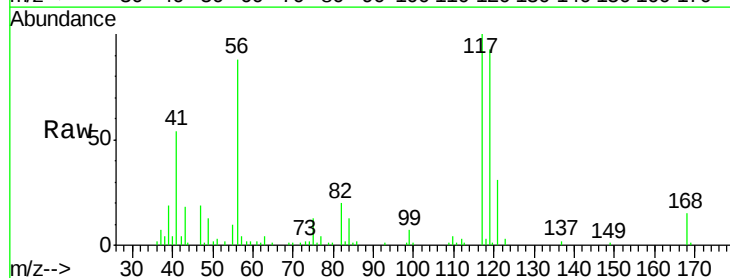


Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 70.00 (69.70 to 70.70): VDC

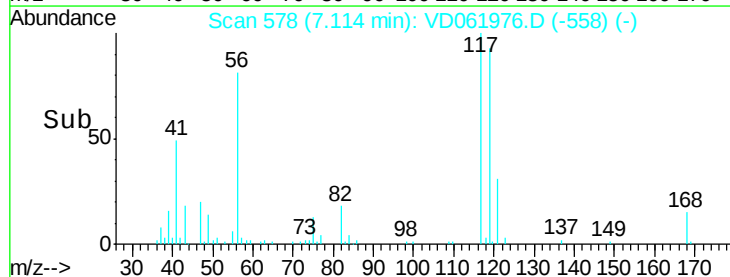
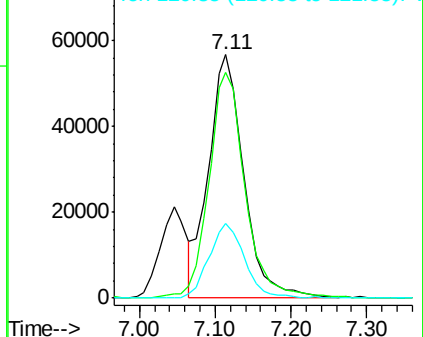


#38
Carbon Tetrachloride
Concen: 19.486 ug/l
RT: 7.11 min Scan# 578
Delta R.T. -0.01 min
Lab File: VD061976.D
Acq: 23 Apr 2019 18:08

Tgt Ion: 117 Resp: 183777
Ion Ratio Lower Upper
117 100
119 92.9 75.8 113.8
121 30.7 25.9 38.9



Abundance Ion 116.85 (116.55 to 117.55): V
Ion 118.85 (118.55 to 119.55): V
Ion 120.85 (120.55 to 121.55): V





#39

Methvlcvclohexane

Concen: 20.240 ug/l

RT: 8.87 min Scan# 756

Delta R.T. -0.01 min

Lab File: VD061976.D

Acq: 23 Apr 2019 18:08

Instrument :

MSVOA_D

ClientSampleId :

VD0423SBSD01

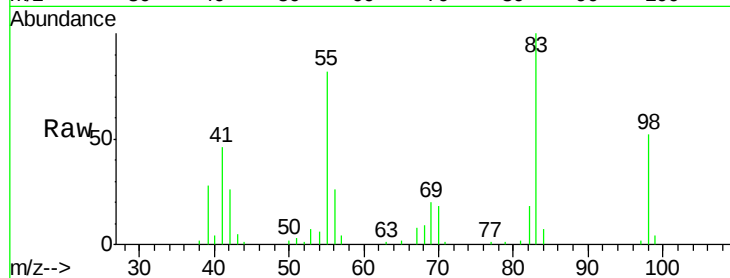
Tot Ion: 83 Resp: 148623

Ion Ratio Lower Upper

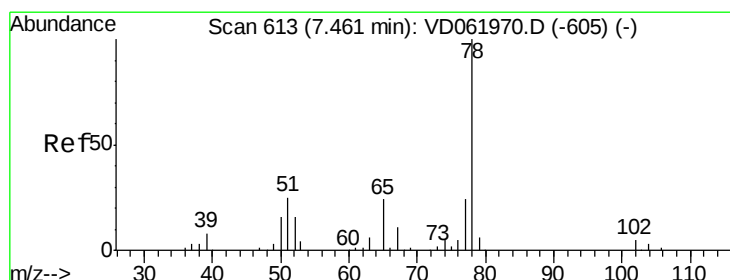
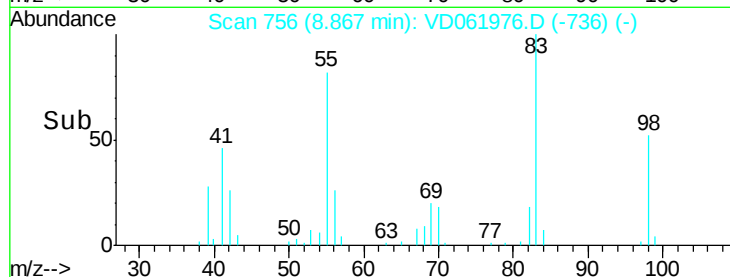
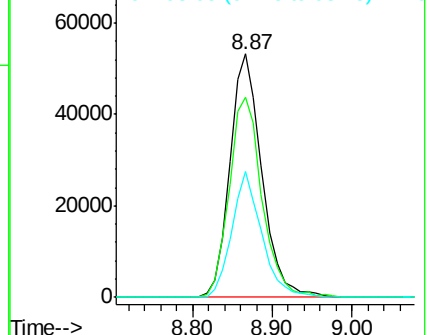
83 100

55 82.3 68.2 102.4

98 51.6 38.2 57.4



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: 20.214 ug/l

RT: 7.46 min Scan# 613

Delta R.T. -0.01 min

Lab File: VD061976.D

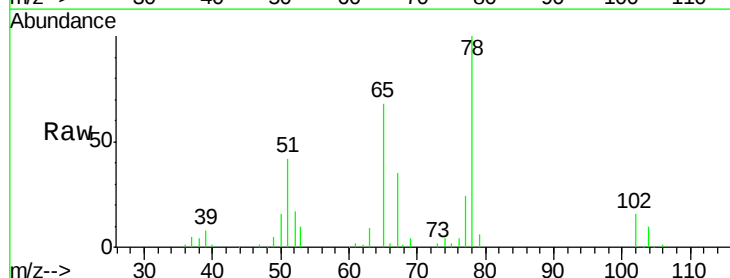
Acq: 23 Apr 2019 18:08

Tgt Ion: 78 Resp: 372458

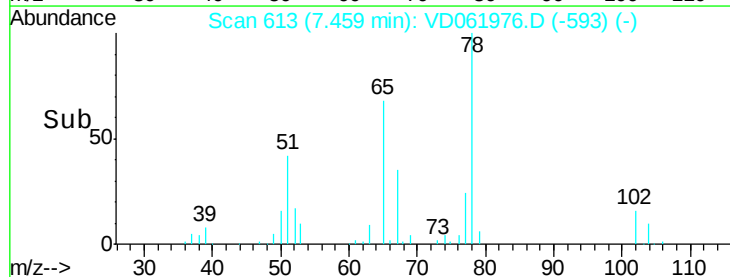
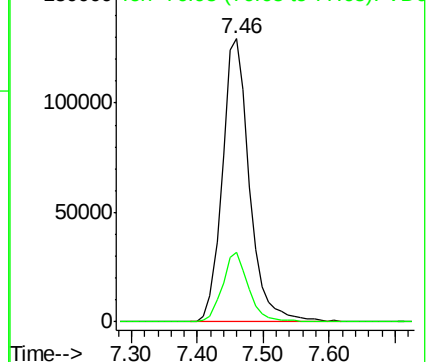
Ion Ratio Lower Upper

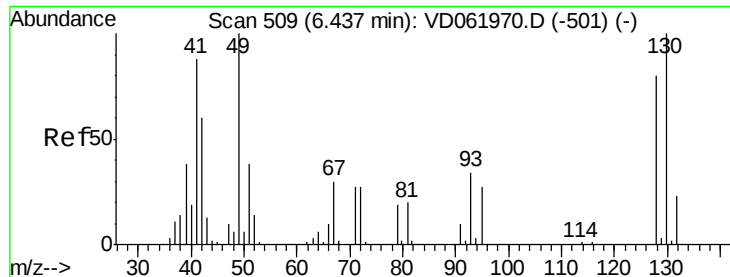
78 100

77 24.4 19.7 29.5



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





#41

Methacrylonitrile

Concen: 22.798 ug/l

RT: 6.44 min Scan# 510

Delta R.T. 0.00 min

Lab File: VD061976.D

Acq: 23 Apr 2019 18:08

Instrument :

MSVOA_D

ClientSampleId :

VD0423SBSD01

Tot Ion: 41 Resp: 84366

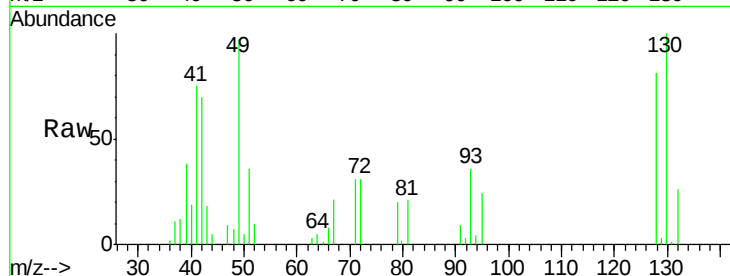
Ion Ratio Lower Upper

41 100

39 50.2 34.1 51.1

67 27.5 23.8 35.6

52 13.6 8.8 13.2#

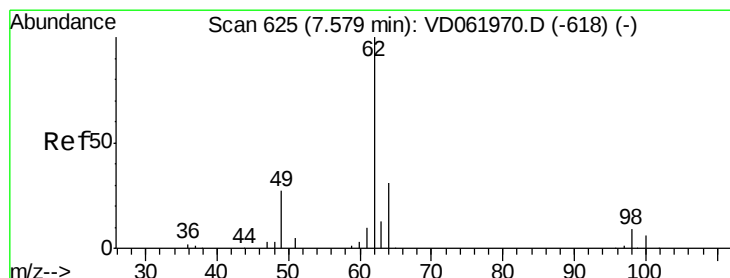
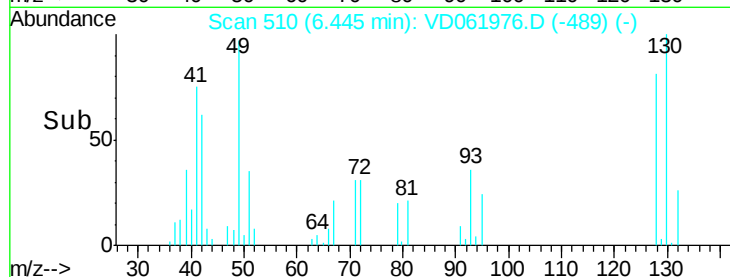
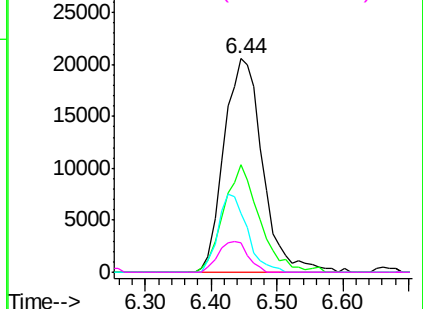


Abundance Ion 40.95 (40.65 to 41.65): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 67.00 (66.70 to 67.70): VDC

Ion 52.00 (51.70 to 52.70): VDC



#42

1,2-Dichloroethane

Concen: 20.785 ug/l

RT: 7.58 min Scan# 625

Delta R.T. -0.01 min

Lab File: VD061976.D

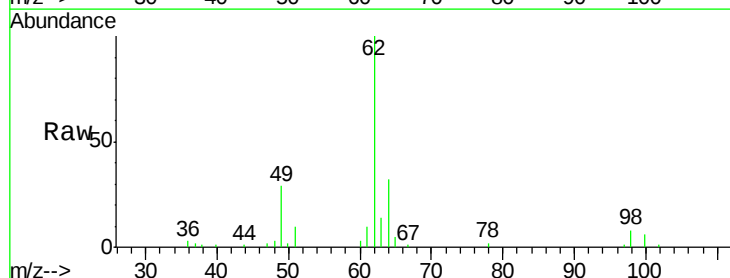
Acq: 23 Apr 2019 18:08

Tgt Ion: 62 Resp: 130031

Ion Ratio Lower Upper

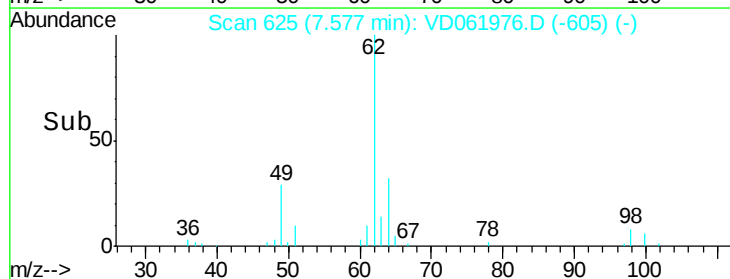
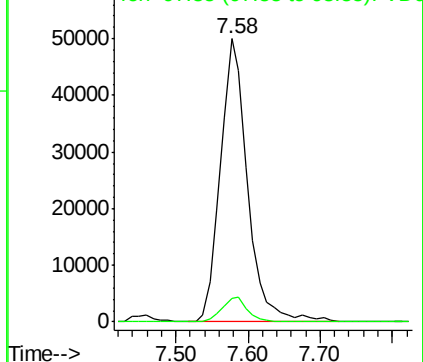
62 100

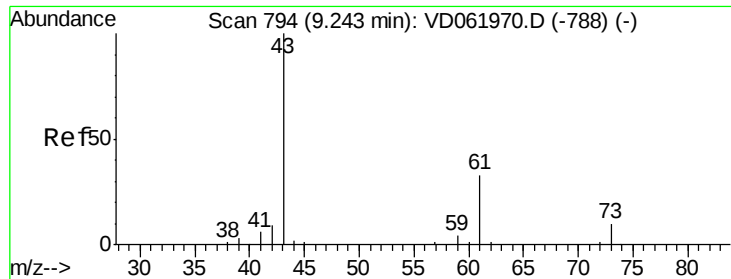
98 8.5 0.0 17.8



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 97.85 (97.55 to 98.55): VDC





#43

Isopropyl Acetate

Concen: 21.755 ug/l

RT: 9.24 min Scan# 794

Delta R.T. -0.01 min

Lab File: VD061976.D

Acq: 23 Apr 2019 18:08

Instrument :

MSVOA_D

ClientSampleId :

VD0423SBS01

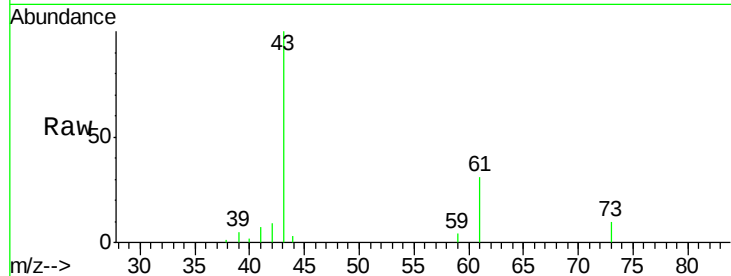
Tot Ion: 43 Resp: 100816

Ion Ratio Lower Upper

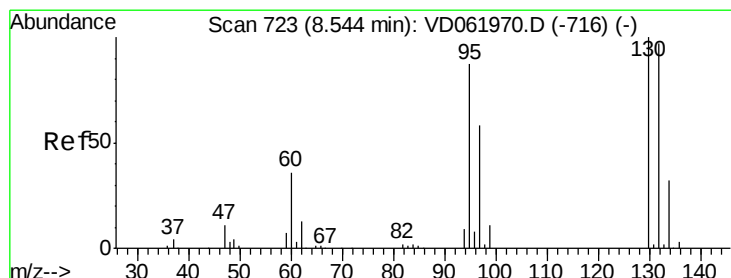
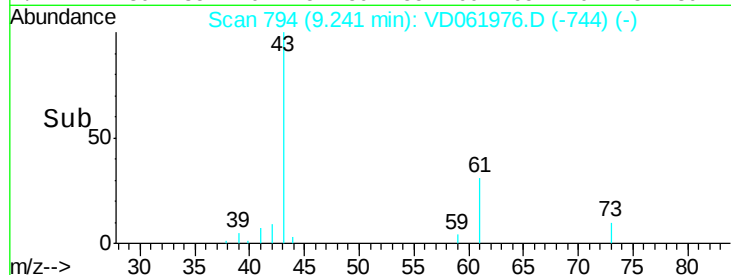
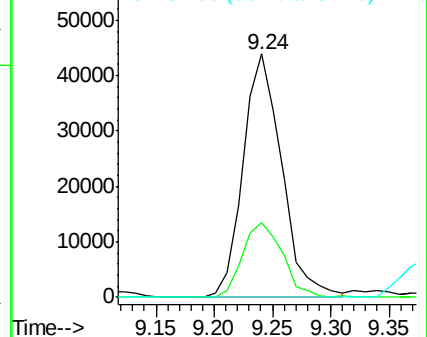
43 100

61 30.9 25.1 37.7

87 0.0 0.0 0.0



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



#44

Trichloroethene

Concen: 19.899 ug/l

RT: 8.54 min Scan# 723

Delta R.T. -0.01 min

Lab File: VD061976.D

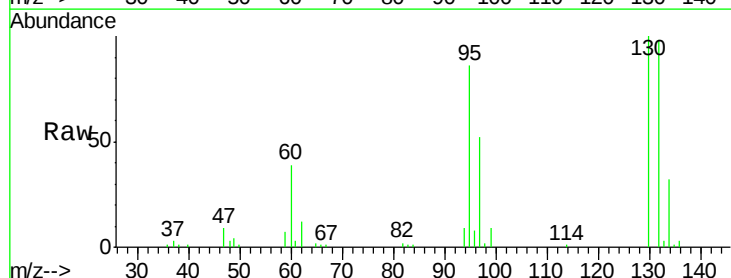
Acq: 23 Apr 2019 18:08

Tgt Ion: 130 Resp: 142142

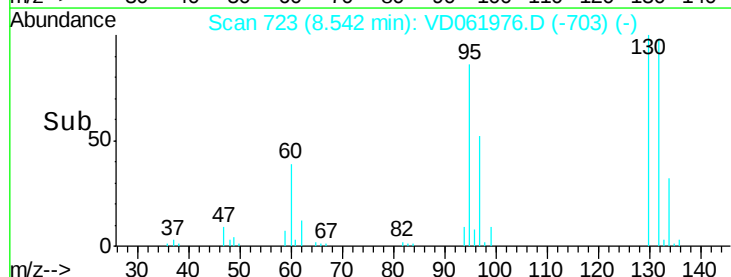
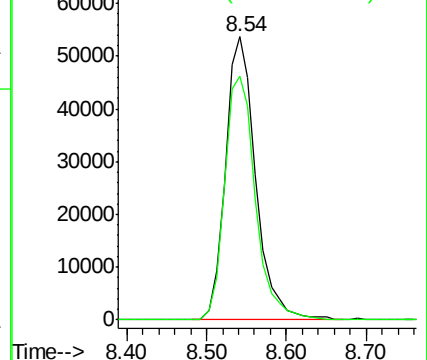
Ion Ratio Lower Upper

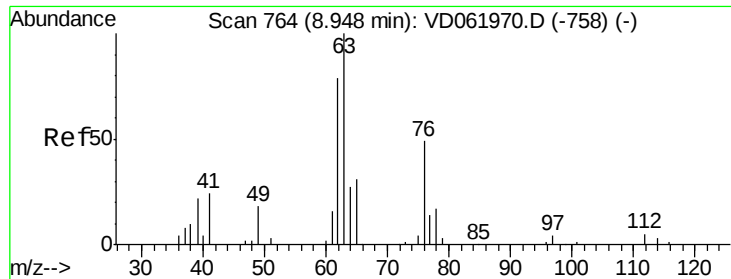
130 100

95 86.0 0.0 174.0



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





#45

1,2-Dichloropropane

Concen: 19.532 ug/l

RT: 8.94 min Scan# 763

Delta R.T. -0.01 min

Lab File: VD061976.D

Acq: 23 Apr 2019 18:08

Instrument :

MSVOA_D

ClientSampleId :

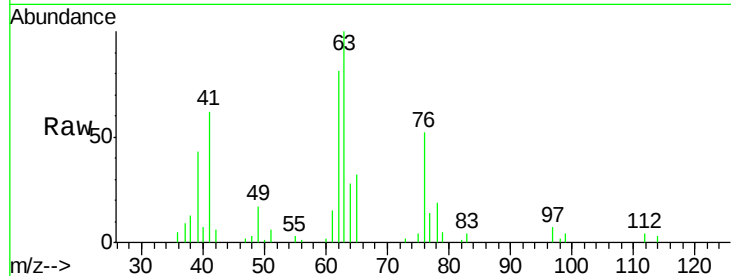
VD0423SBSD01

Tot Ion: 63 Resp: 91298

Ion Ratio Lower Upper

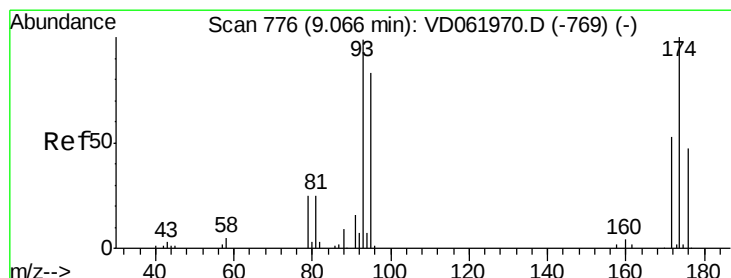
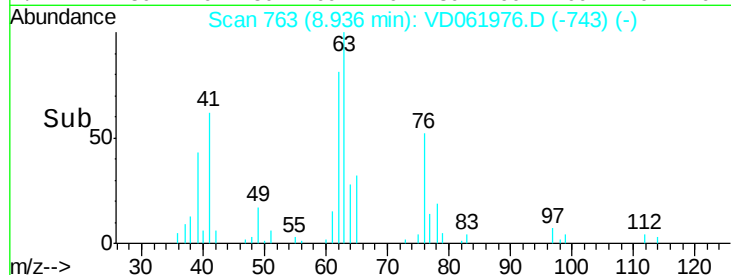
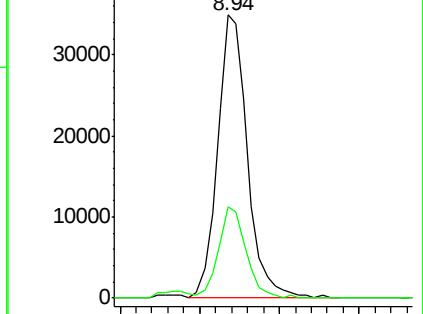
63 100

65 32.3 23.8 35.6



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC



#46

Dibromomethane

Concen: 20.638 ug/l

RT: 9.06 min Scan# 776

Delta R.T. -0.01 min

Lab File: VD061976.D

Acq: 23 Apr 2019 18:08

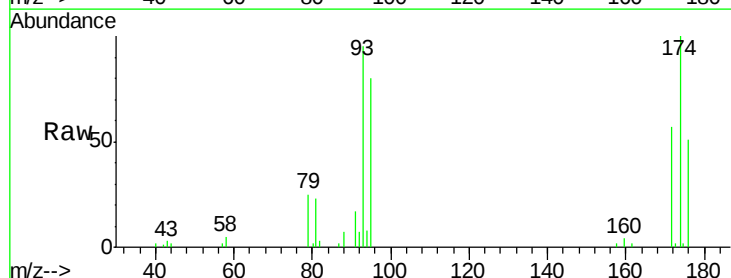
Tgt Ion: 93 Resp: 69414

Ion Ratio Lower Upper

93 100

95 83.4 64.8 97.2

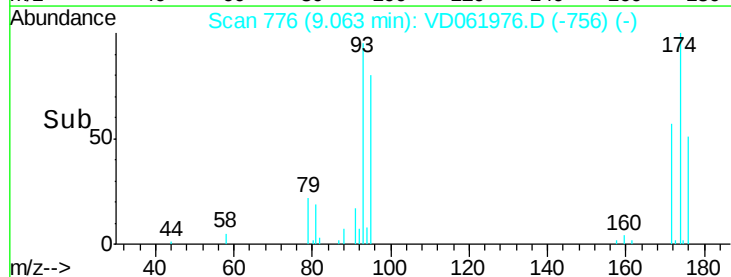
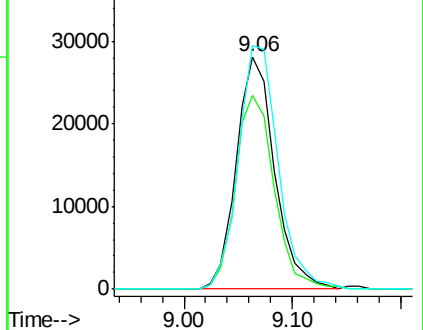
174 104.7 79.3 118.9



Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V





#47

Bromodichloromethane

Concen: 19.334 ug/l

RT: 9.38 min Scan# 808

Delta R.T. -0.01 min

Lab File: VD061976.D

Acq: 23 Apr 2019 18:08

Instrument :

MSVOA_D

ClientSampleId :

VD0423SBSD01

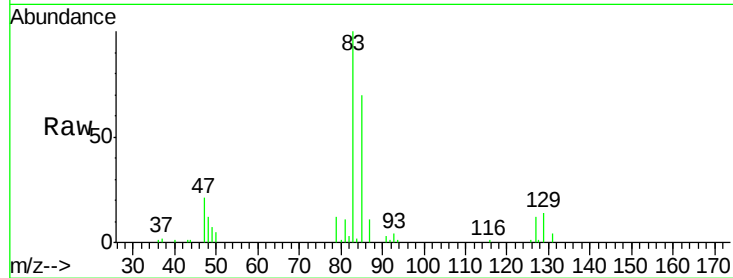
Tot Ion: 83 Resp: 153655

Ion Ratio Lower Upper

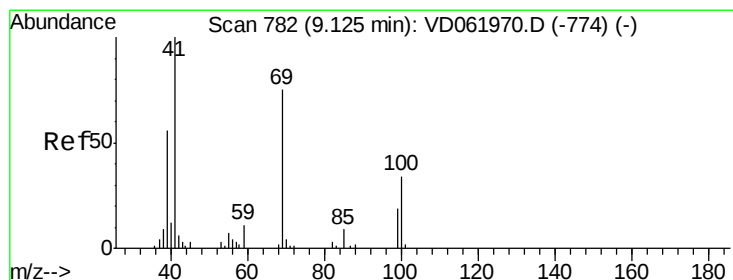
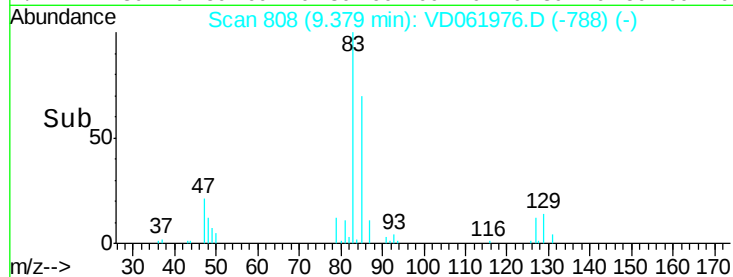
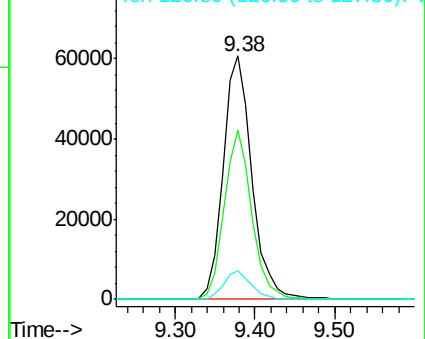
83 100

85 69.6 50.9 76.3

127 11.8 8.1 12.1



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



#48

Methyl methacrylate

Concen: 21.688 ug/l

RT: 9.12 min Scan# 782

Delta R.T. -0.01 min

Lab File: VD061976.D

Acq: 23 Apr 2019 18:08

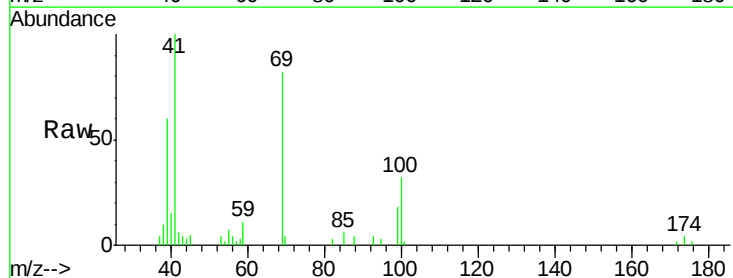
Tgt Ion: 41 Resp: 57344

Ion Ratio Lower Upper

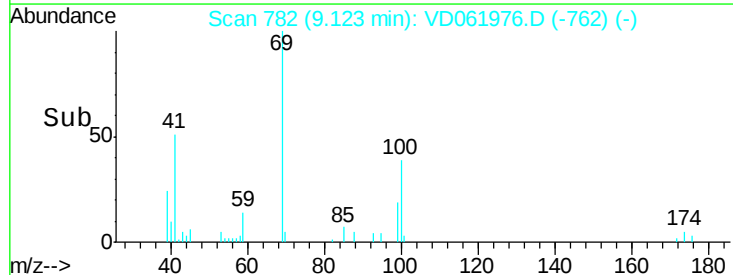
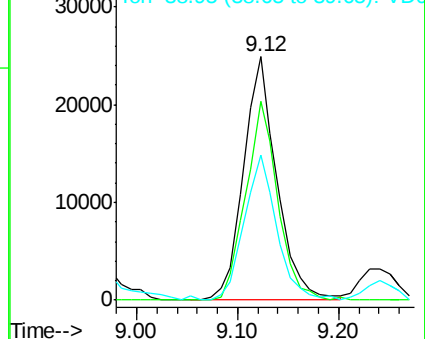
41 100

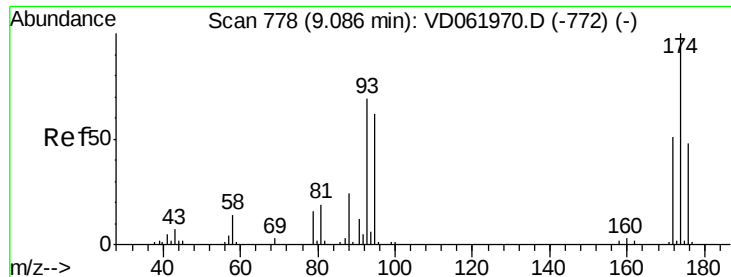
69 81.6 64.2 96.2

39 59.8 46.8 70.2



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

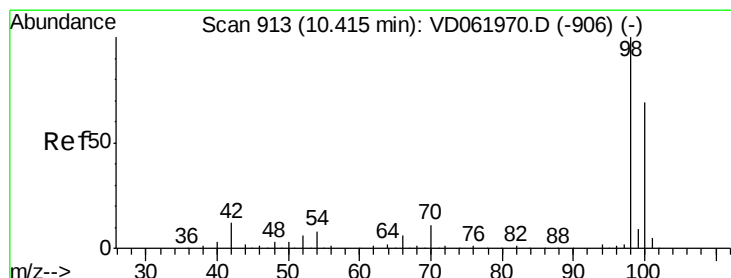
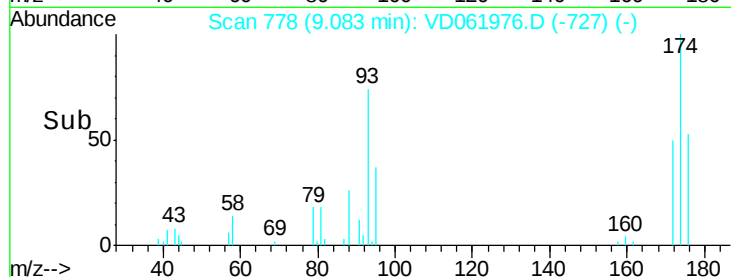
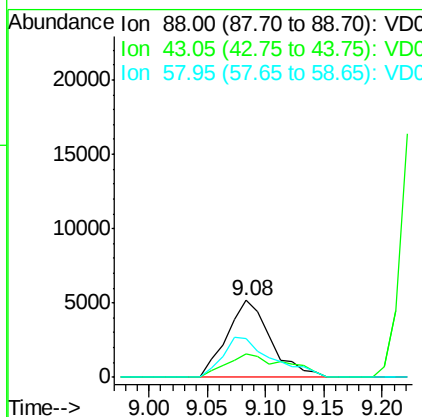
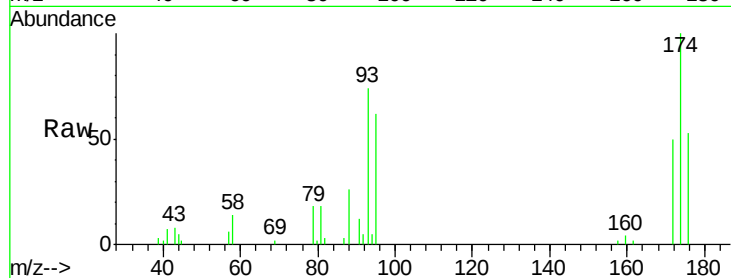




#49
1,4-Dioxane
Concen: 467.415 ug/l
RT: 9.08 min Scan# 778
Delta R.T. 0.00 min
Lab File: VD061976.D
Acq: 23 Apr 2019 18:08

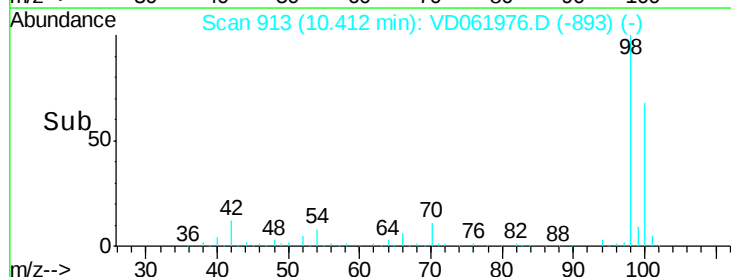
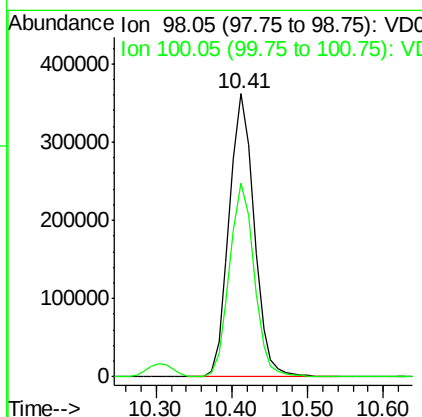
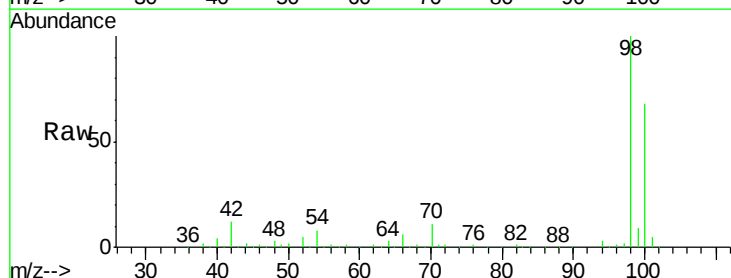
Instrument :
MSVOA_D
ClientSampleId :
VD0423SBSD01

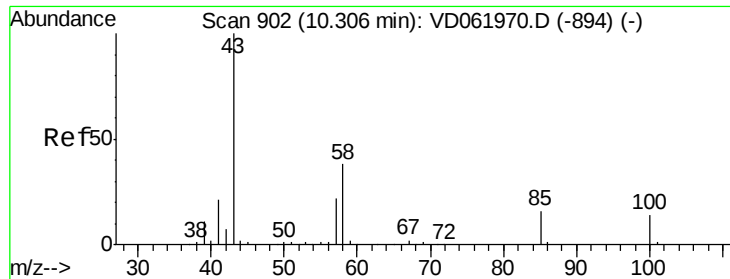
Tot Ion: 88 Resp: 13324
Ion Ratio Lower Upper
88 100
43 29.9 23.4 35.0
58 51.4 44.0 66.0



#50
Toluene-d8
Concen: 467.415 ug/l
RT: 10.41 min Scan# 913
Delta R.T. -0.01 min
Lab File: VD061976.D
Acq: 23 Apr 2019 18:08

Tgt Ion: 98 Resp: 828928
Ion Ratio Lower Upper
98 100
100 68.4 53.8 80.8





#51

4-Methyl-2-Pentanone

Concen: 114.265 ug/l

RT: 10.30 min Scan# 902

Delta R.T. 0.00 min

Lab File: VD061976.D

Acq: 23 Apr 2019 18:08

Instrument :

MSVOA_D

ClientSampleId :

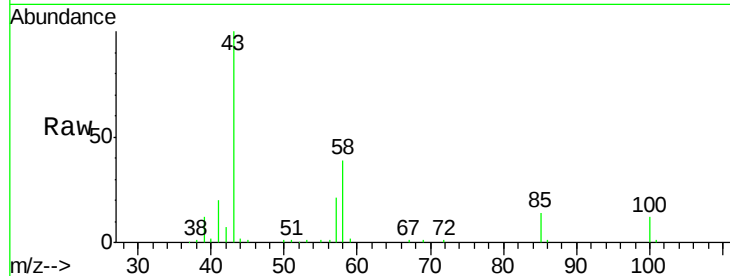
VD0423SBS01

Tot Ion: 43 Resp: 323830

Ion Ratio Lower Upper

43 100

58 38.8 30.4 45.6



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

10.30

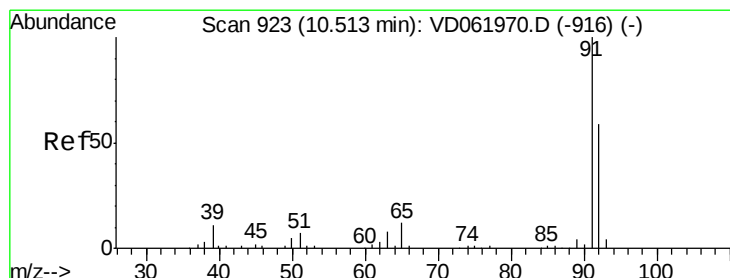
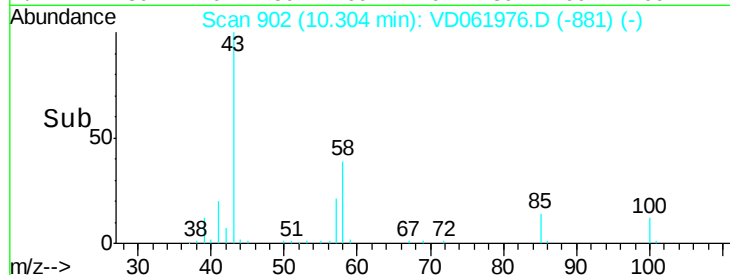
150000

100000

50000

0

Time-->



#52

Toluene

Concen: 21.458 ug/l

RT: 10.51 min Scan# 923

Delta R.T. -0.01 min

Lab File: VD061976.D

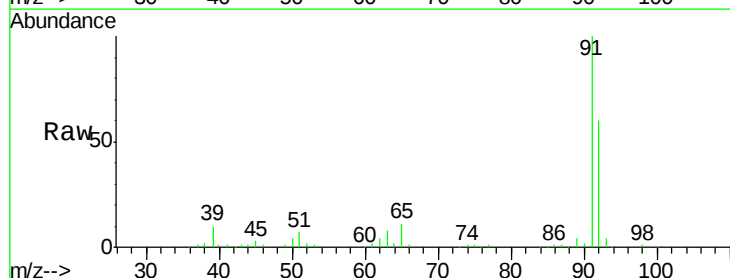
Acq: 23 Apr 2019 18:08

Tgt Ion: 92 Resp: 252096

Ion Ratio Lower Upper

92 100

91 166.6 136.6 204.8



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

10.51

200000

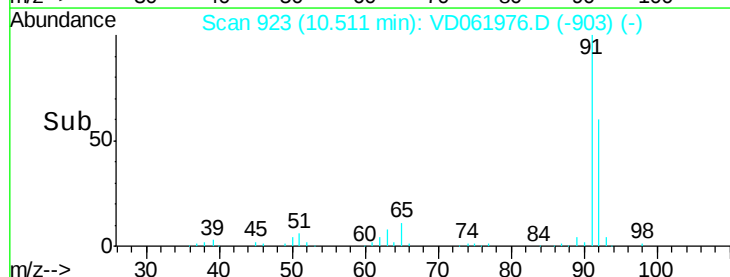
150000

100000

50000

0

Time-->

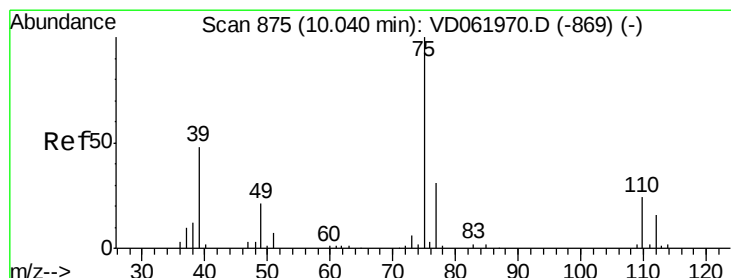
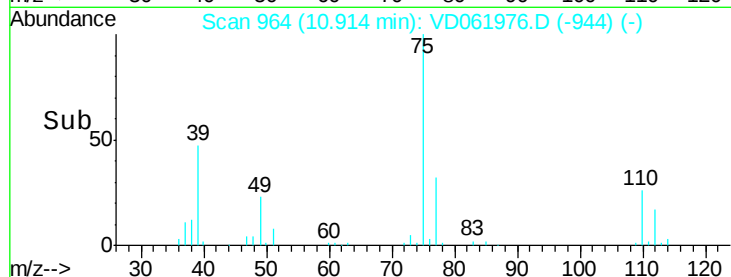
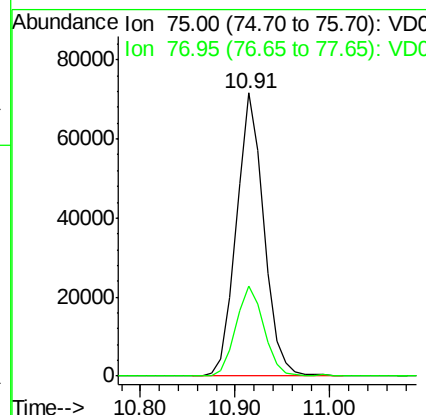
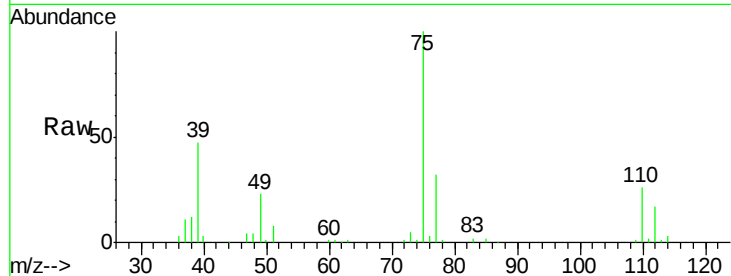




#53
 t-1,3-Dichloropropene
 Concen: 21.485 ug/l
 RT: 10.91 min Scan# 964
 Delta R.T. -0.01 min
 Lab File: VD061976.D
 Acq: 23 Apr 2019 18:08

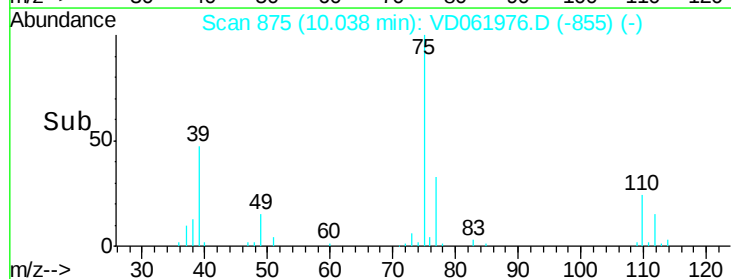
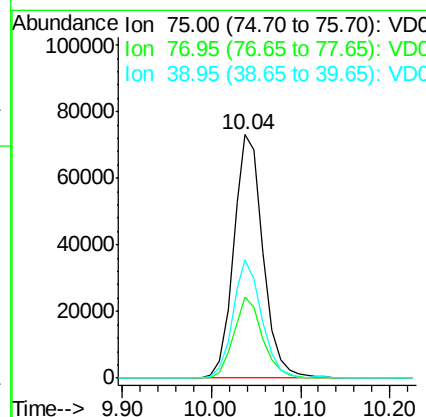
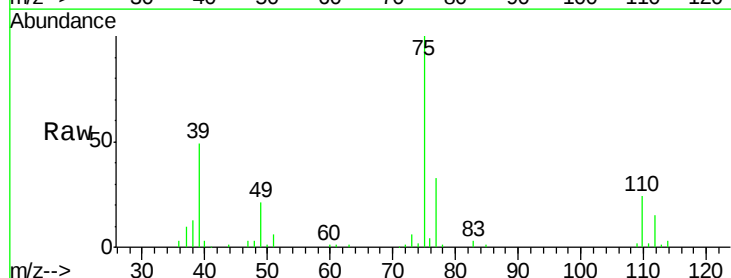
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0423SBSD01

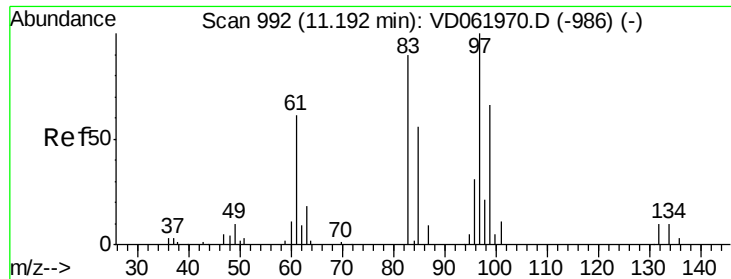
Tot Ion: 75 Resp: 143326
 Ion Ratio Lower Upper
 75 100
 77 31.7 25.8 38.8



#54
 cis-1,3-Dichloropropene
 Concen: 20.664 ug/l
 RT: 10.04 min Scan# 875
 Delta R.T. -0.01 min
 Lab File: VD061976.D
 Acq: 23 Apr 2019 18:08

Tgt Ion: 75 Resp: 167653
 Ion Ratio Lower Upper
 75 100
 77 33.4 25.5 38.3
 39 48.5 39.4 59.2

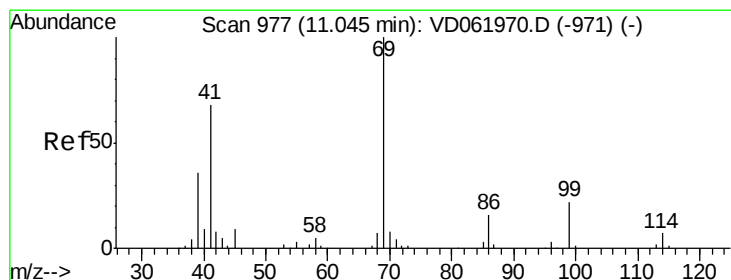
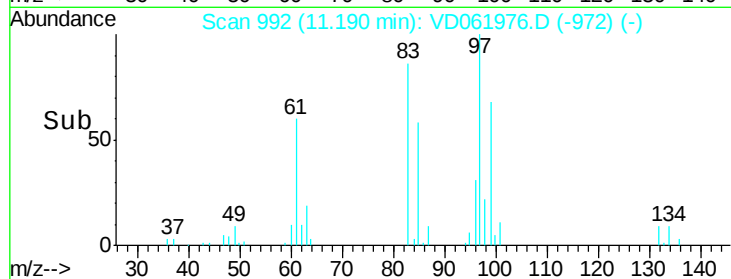
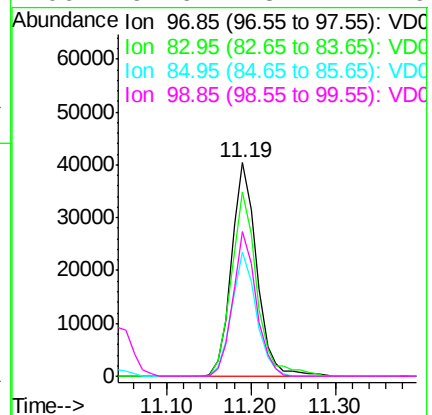
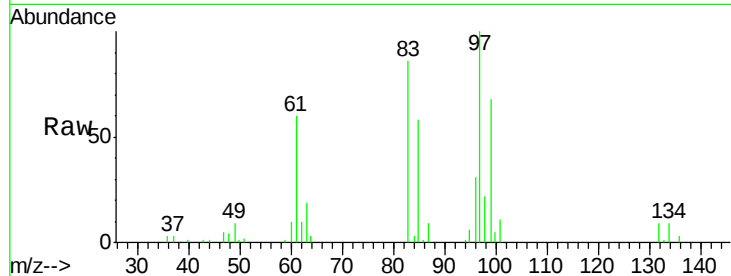




#55
1,1,2-Trichloroethane
Concen: 21.384 ug/l
RT: 11.19 min Scan# 992
Delta R.T. -0.01 min
Lab File: VD061976.D
Acq: 23 Apr 2019 18:08

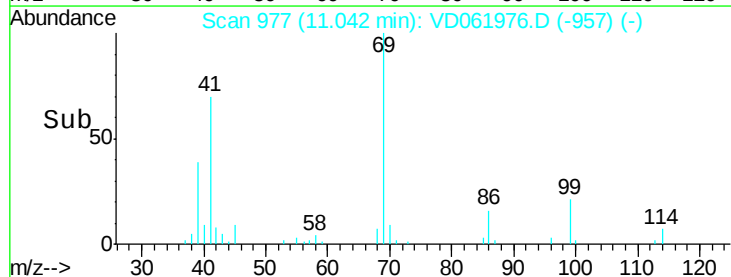
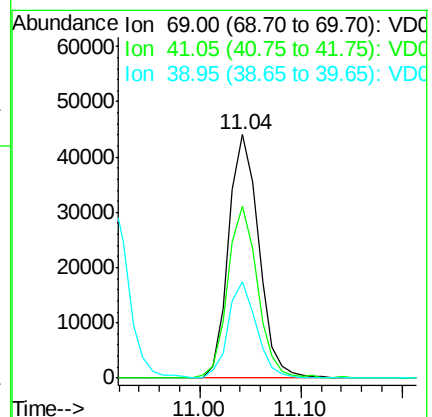
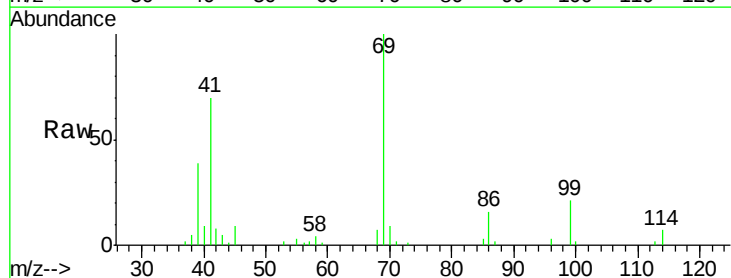
Instrument :
MSVOA_D
ClientSampleId :
VD0423SBSD01

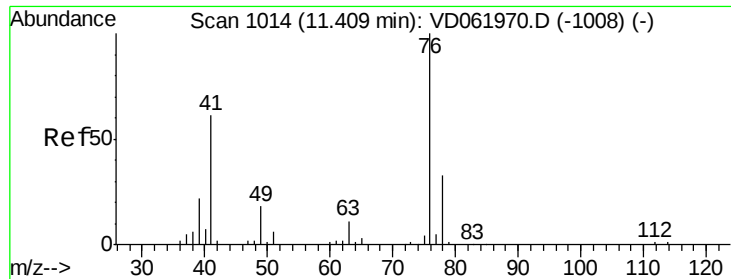
Tot Ion:	97	Resp:	84344
Ion	Ratio	Lower	Upper
97	100		
83	86.2	65.7	98.5
85	58.1	45.6	68.4
99	67.6	48.4	72.6



#56
Ethyl methacrylate
Concen: 21.047 ug/l
RT: 11.04 min Scan# 977
Delta R.T. -0.01 min
Lab File: VD061976.D
Acq: 23 Apr 2019 18:08

Tgt Ion:	69	Resp:	91941
Ion	Ratio	Lower	Upper
69	100		
41	70.4	56.3	84.5
39	39.4	29.4	44.2





#57

1,3-Dichloropropane

Concen: 20.319 ug/l

RT: 11.41 min Scan# 1014

Delta R.T. -0.01 min

Lab File: VD061976.D

Acq: 23 Apr 2019 18:08

Instrument :

MSVOA_D

ClientSampleId :

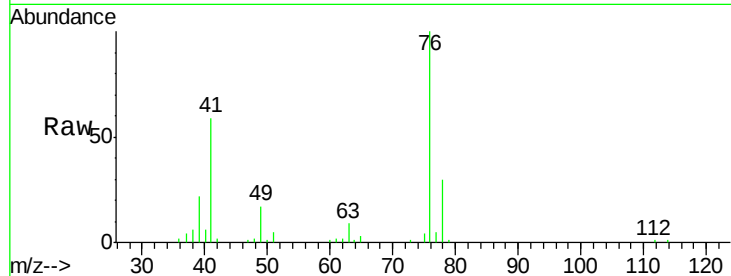
VD0423SBS01

Tot Ion: 76 Resp: 123778

Ion Ratio Lower Upper

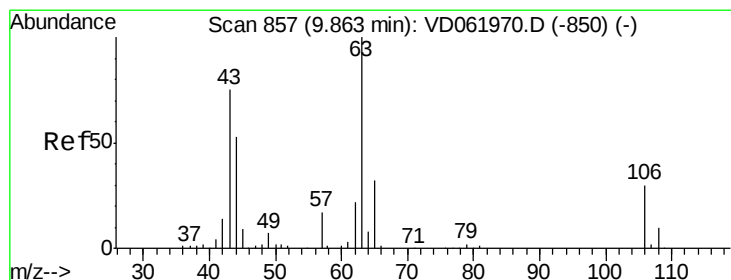
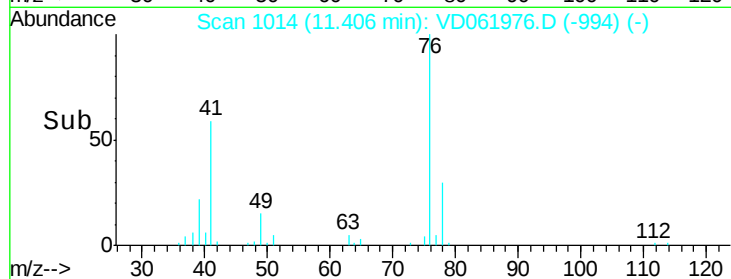
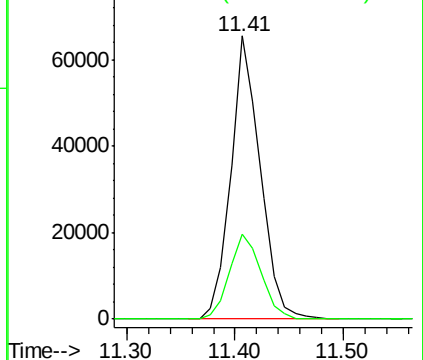
76 100

78 30.0 26.2 39.2



Abundance Ion 75.95 (75.65 to 76.65): VDC

Ion 77.95 (77.65 to 78.65): VDC



#58

2-Chloroethyl Vinyl ether

Concen: 125.632 ug/l

RT: 9.86 min Scan# 857

Delta R.T. -0.01 min

Lab File: VD061976.D

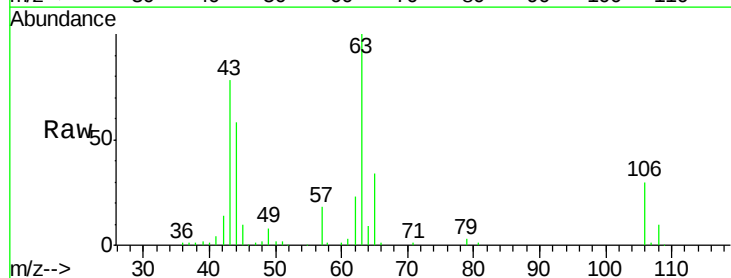
Acq: 23 Apr 2019 18:08

Tgt Ion: 63 Resp: 255153

Ion Ratio Lower Upper

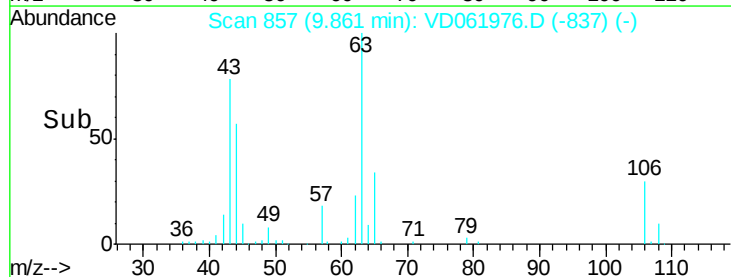
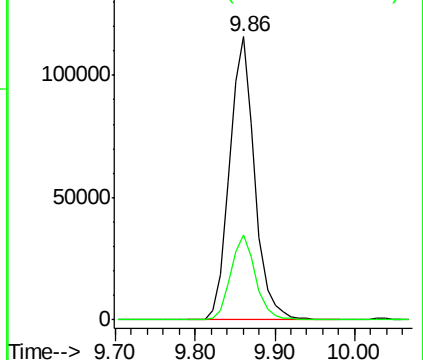
63 100

106 30.1 22.6 34.0



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): V





#59

2-Hexanone

Concen: 114.258 ug/l

RT: 11.53 min Scan# 1027

Delta R.T. 0.00 min

Lab File: VD061976.D

Acq: 23 Apr 2019 18:08

Instrument :

MSVOA_D

ClientSampleId :

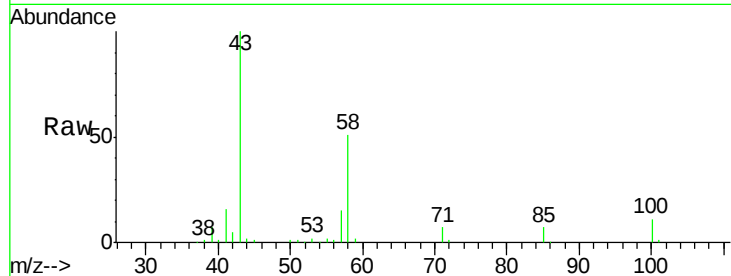
VD0423SBS01

Tot Ion: 43 Resp: 242904

Ion Ratio Lower Upper

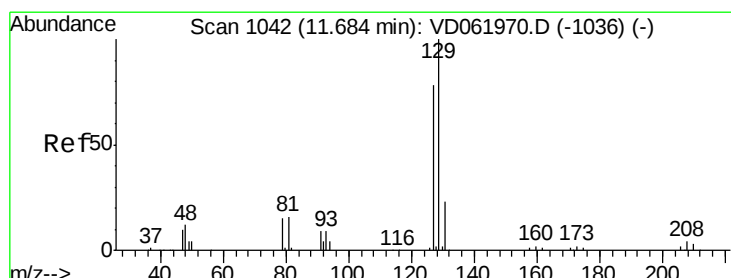
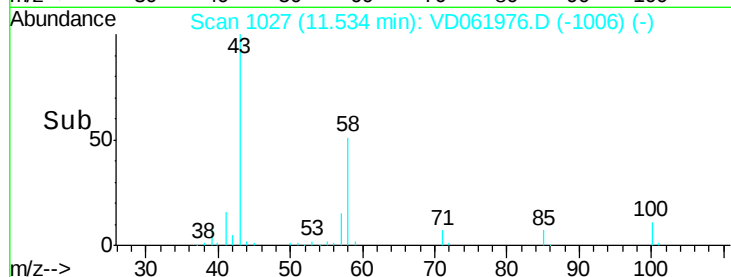
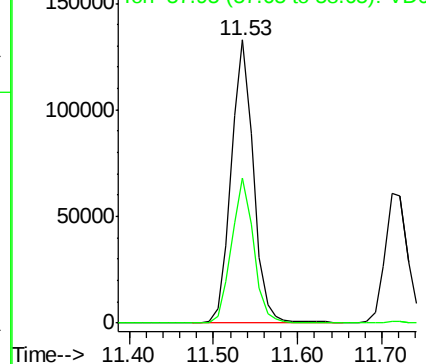
43 100

58 51.3 25.4 76.4



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#60

Dibromochloromethane

Concen: 21.416 ug/l

RT: 11.68 min Scan# 1042

Delta R.T. -0.01 min

Lab File: VD061976.D

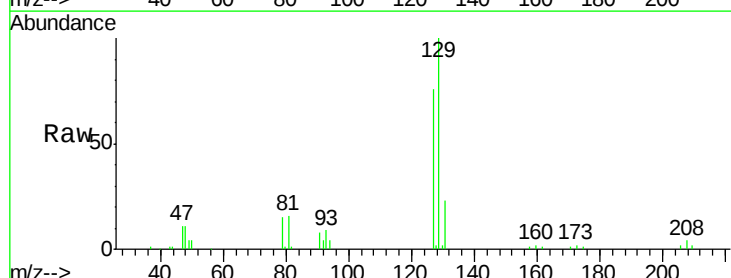
Acq: 23 Apr 2019 18:08

Tgt Ion: 129 Resp: 139764

Ion Ratio Lower Upper

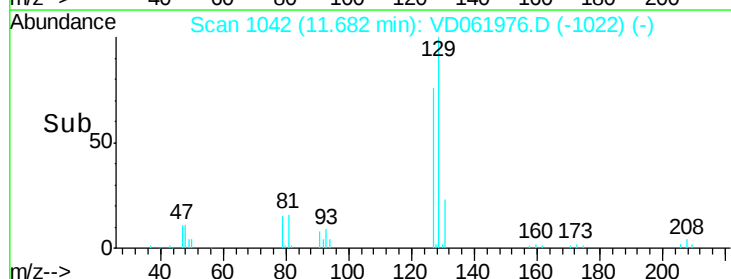
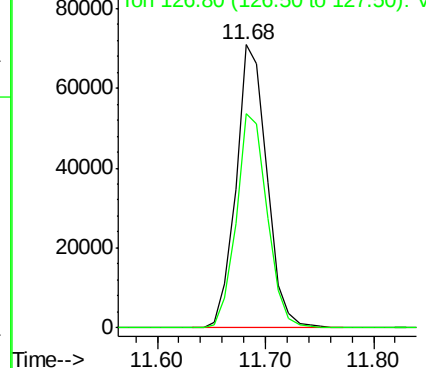
129 100

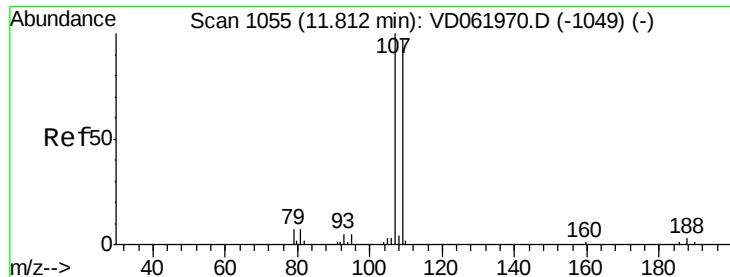
127 75.6 38.0 113.9



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V

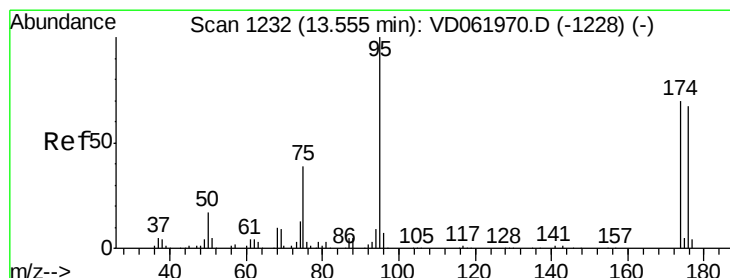
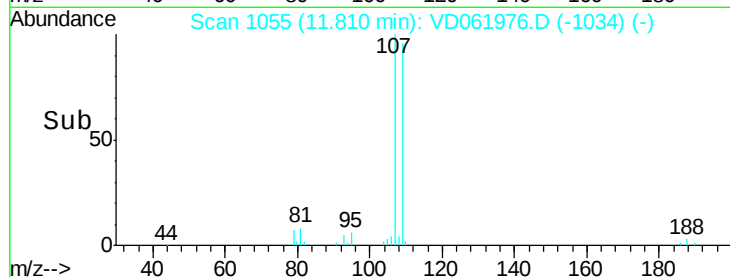
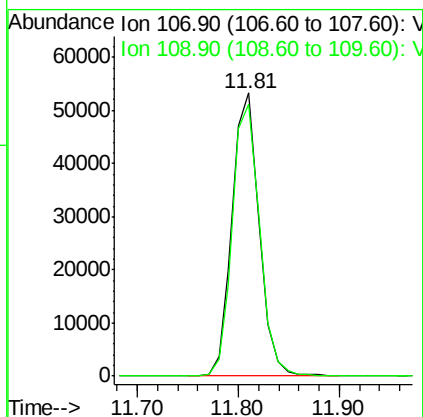
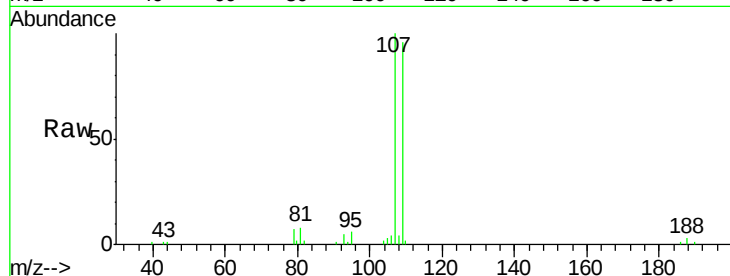




#61
 1,2-Dibromoethane
 Concen: 21.235 ug/l
 RT: 11.81 min Scan# 1055
 Delta R.T. 0.00 min
 Lab File: VD061976.D
 Acq: 23 Apr 2019 18:08

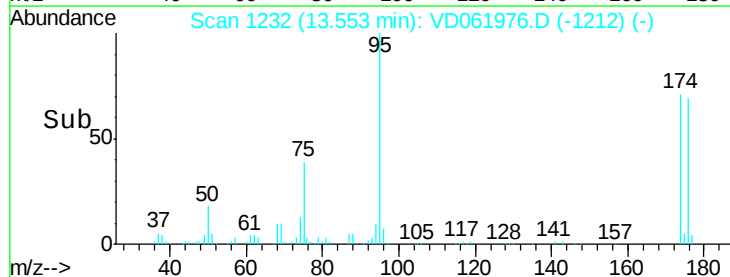
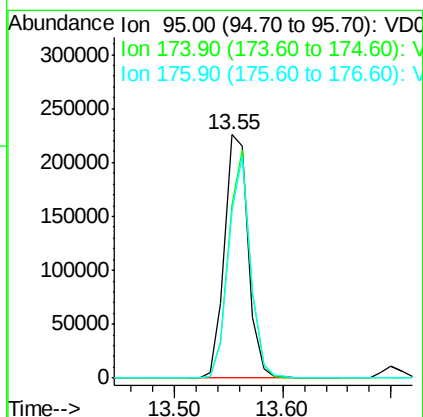
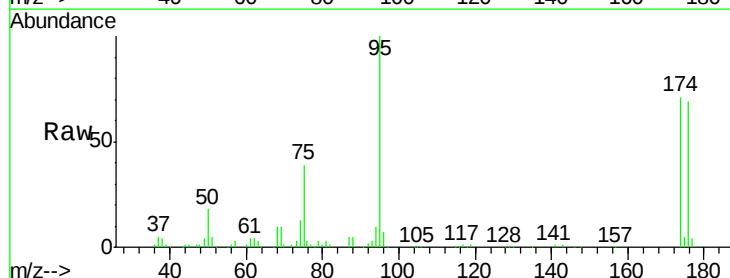
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0423SBSD01

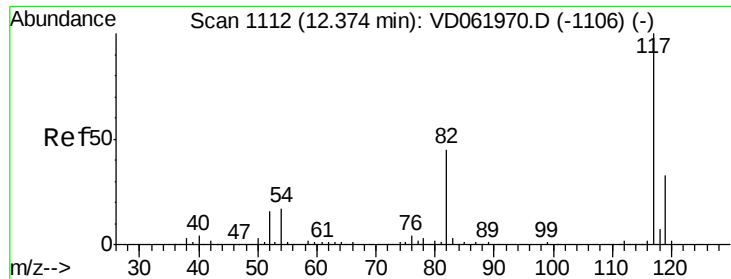
Tot Ion:107 Resp: 99353
 Ion Ratio Lower Upper
 107 100
 109 95.9 78.3 117.5



#62
 4-Bromofluorobenzene
 Concen: 21.235 ug/l
 RT: 13.55 min Scan# 1232
 Delta R.T. -0.01 min
 Lab File: VD061976.D
 Acq: 23 Apr 2019 18:08

Tgt Ion: 95 Resp: 345131
 Ion Ratio Lower Upper
 95 100
 174 71.2 0.0 181.8
 176 68.7 0.0 174.4

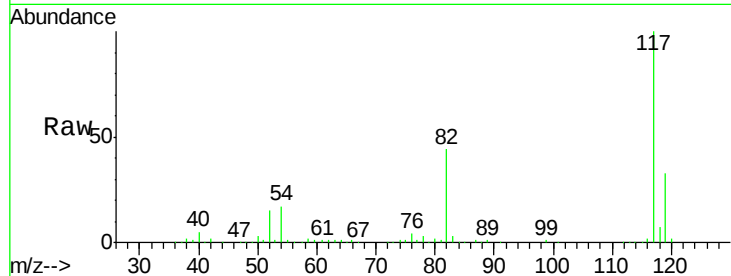




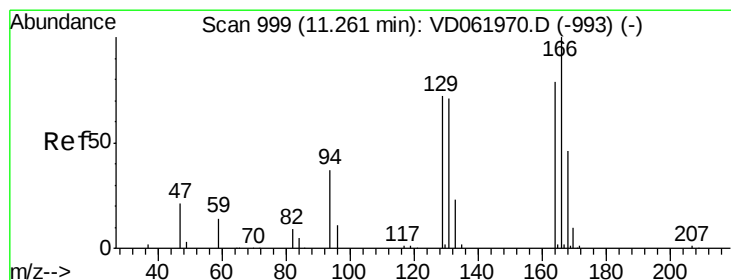
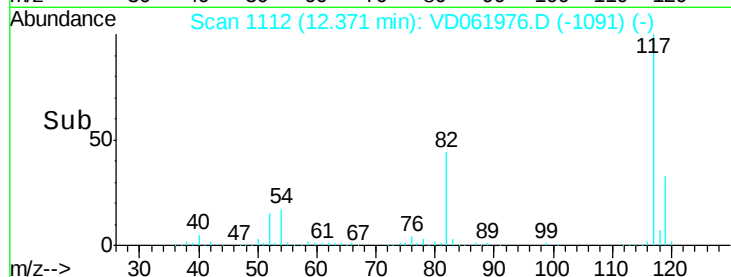
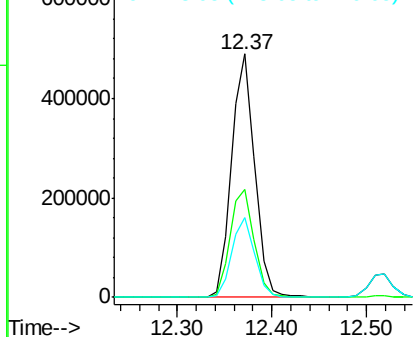
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.37 min Scan# 1112
Delta R.T. 0.00 min
Lab File: VD061976.D
Acq: 23 Apr 2019 18:08

Instrument :
MSVOA_D
ClientSampleId :
VD0423SBSD01

Tot Ion:117 Resp: 826856
Ion Ratio Lower Upper
117 100
82 44.1 36.2 54.2
119 32.5 26.2 39.4

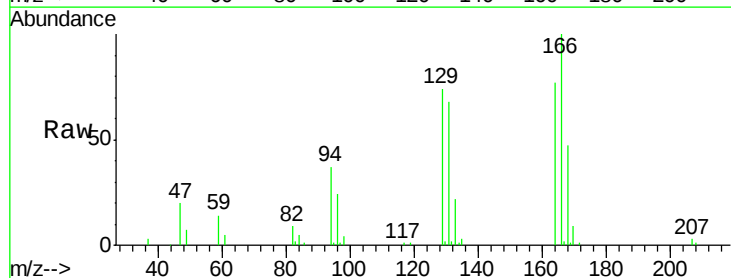


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

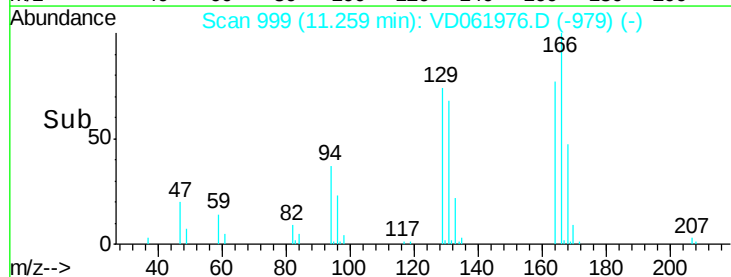
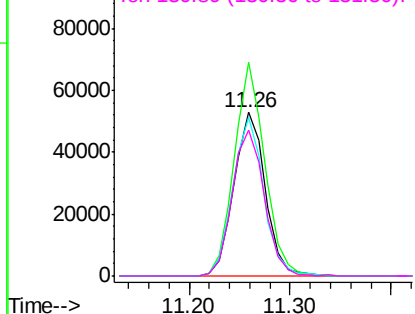


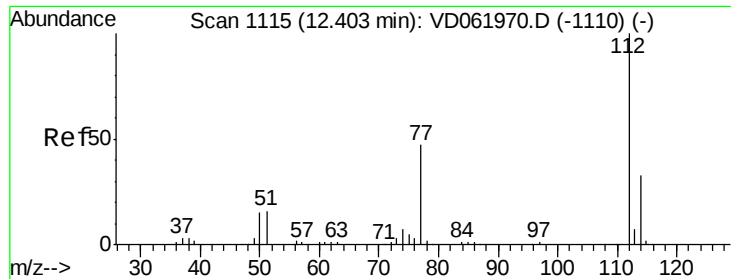
#64
Tetrachloroethene
Concen: 19.271 ug/l
RT: 11.26 min Scan# 999
Delta R.T. -0.01 min
Lab File: VD061976.D
Acq: 23 Apr 2019 18:08

Tgt Ion:164 Resp: 113668
Ion Ratio Lower Upper
164 100
166 130.4 101.5 152.3
129 96.8 74.6 112.0
131 89.2 72.6 108.8



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

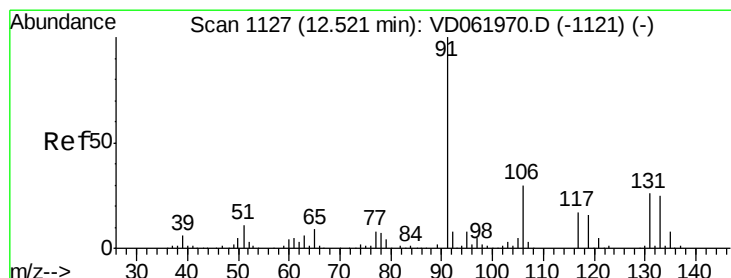
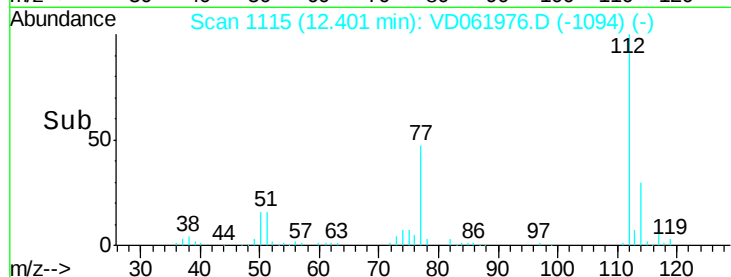
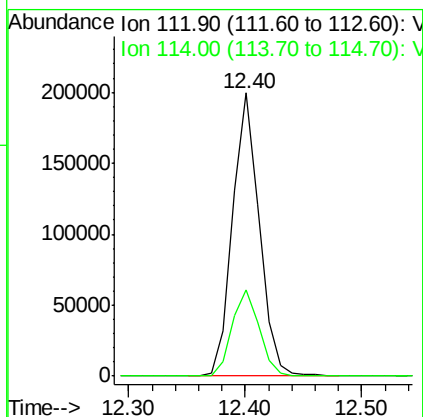
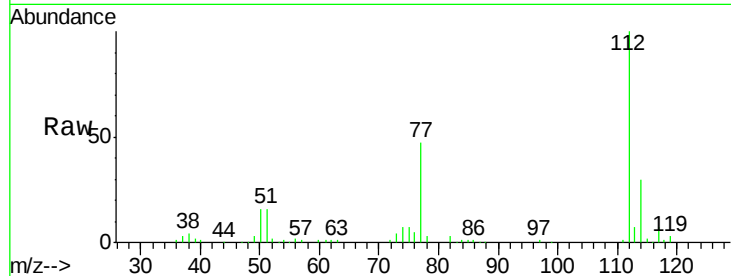




#65
Chlorobenzene
Concen: 20.260 ug/l
RT: 12.40 min Scan# 1115
Delta R.T. 0.00 min
Lab File: VD061976.D
Acq: 23 Apr 2019 18:08

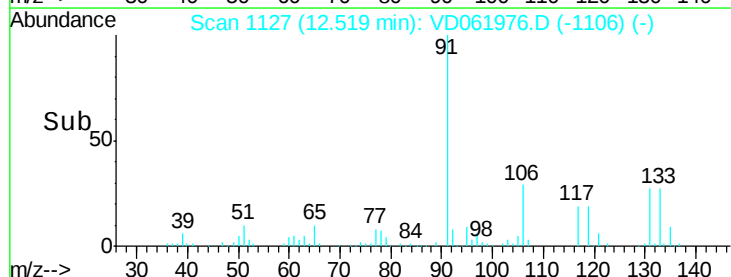
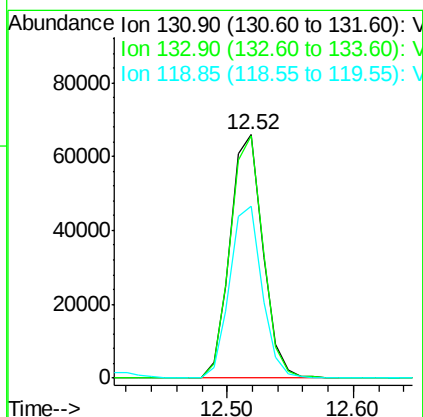
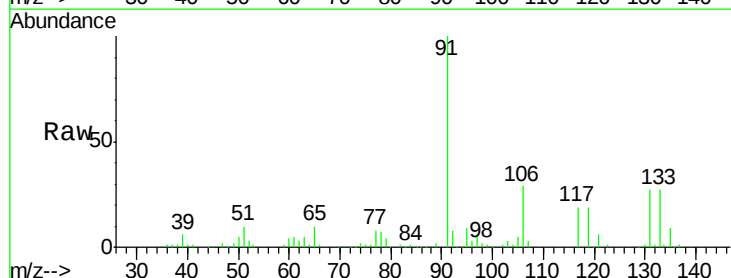
Instrument :
MSVOA_D
ClientSampleId :
VD0423SBSD01

Tot Ion:112 Resp: 316560
Ion Ratio Lower Upper
112 100
114 30.3 25.8 38.8



#66
1,1,1,2-Tetrachloroethane
Concen: 17.870 ug/l
RT: 12.52 min Scan# 1127
Delta R.T. 0.00 min
Lab File: VD061976.D
Acq: 23 Apr 2019 18:08

Tgt Ion:131 Resp: 118434
Ion Ratio Lower Upper
131 100
133 99.6 48.6 145.8
119 70.5 34.7 104.1

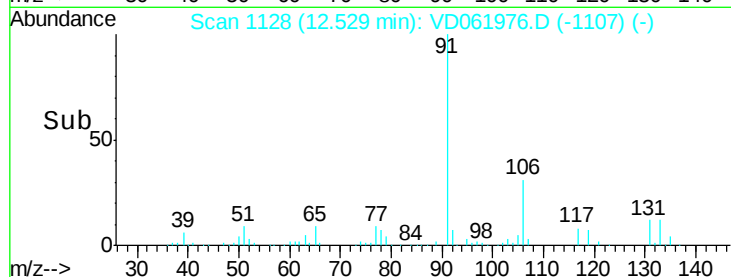
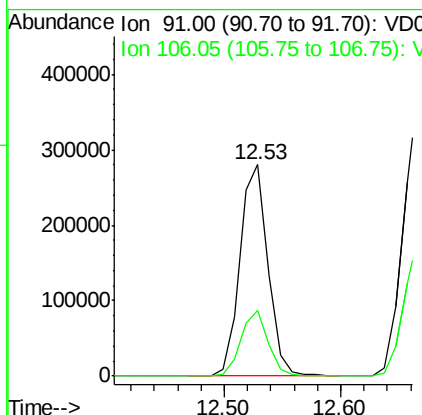
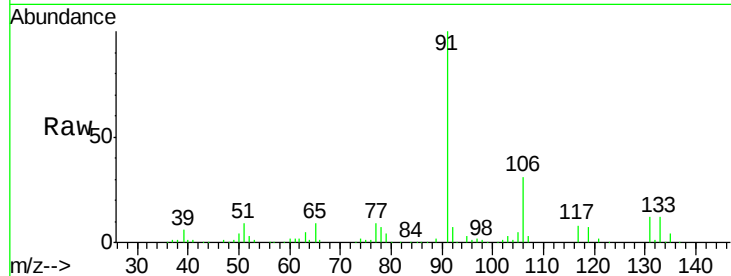




#67
Ethyl Benzene
Concen: 18.224 ug/l
RT: 12.53 min Scan# 1128
Delta R.T. 0.00 min
Lab File: VD061976.D
Acq: 23 Apr 2019 18:08

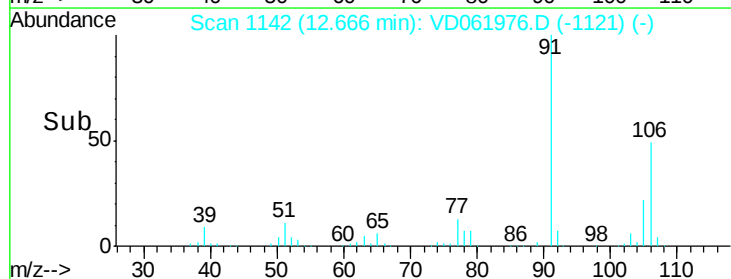
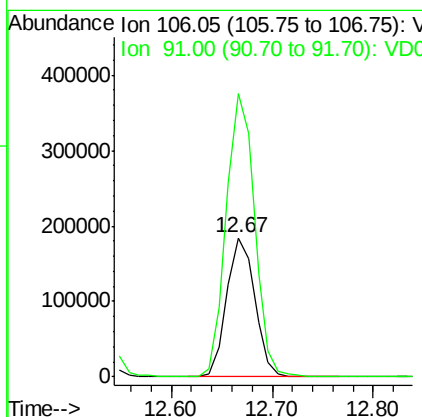
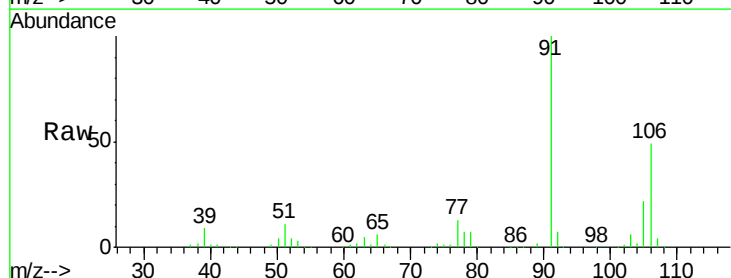
Instrument :
MSVOA_D
ClientSampleId :
VD0423SBS01

Tot Ion: 91 Resp: 464741
Ion Ratio Lower Upper
91 100
106 31.1 24.7 37.1



#68
m/p-Xylenes
Concen: 38.837 ug/l
RT: 12.67 min Scan# 1142
Delta R.T. 0.00 min
Lab File: VD061976.D
Acq: 23 Apr 2019 18:08

Tgt Ion: 106 Resp: 357973
Ion Ratio Lower Upper
106 100
91 203.8 164.0 246.0

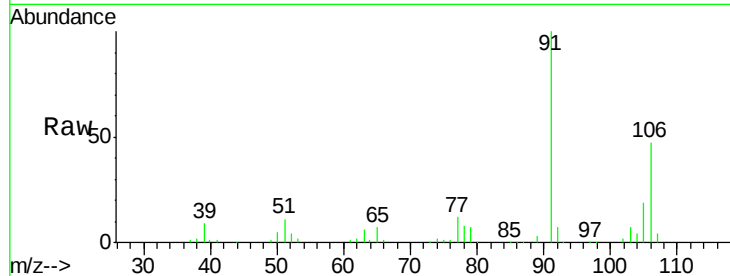




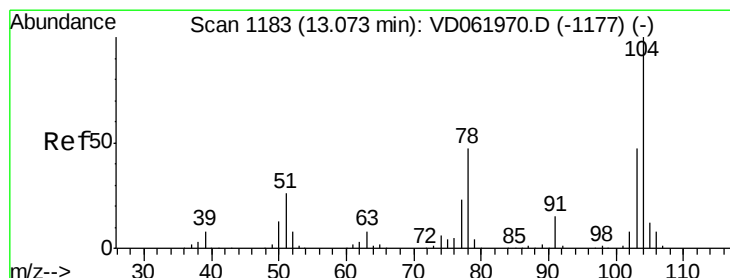
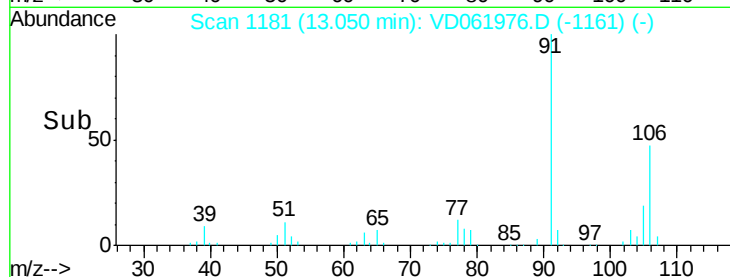
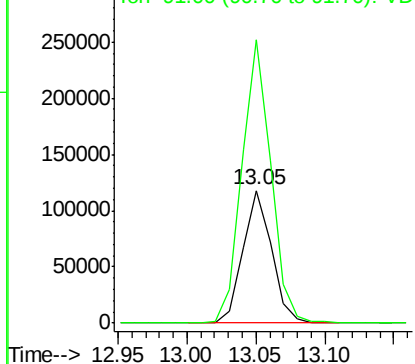
#69
o-Xylene
Concen: 20.441 ug/l
RT: 13.05 min Scan# 1181
Delta R.T. -0.01 min
Lab File: VD061976.D
Acq: 23 Apr 2019 18:08

Instrument :
MSVOA_D
ClientSampleId :
VD0423SBSD01

Tot Ion:106 Resp: 172391
Ion Ratio Lower Upper
106 100
91 212.9 106.7 319.9

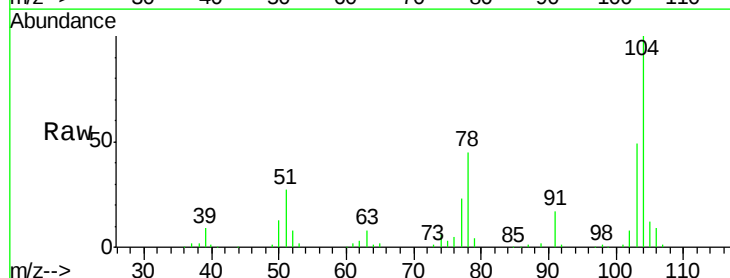


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): VDC

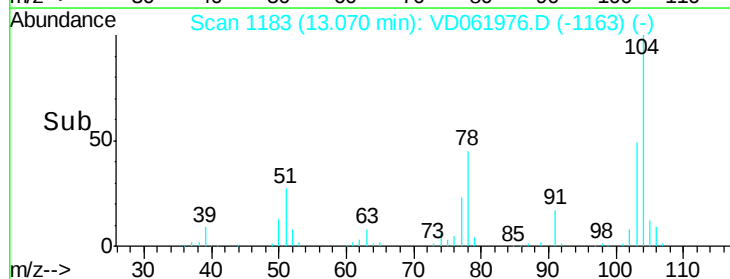
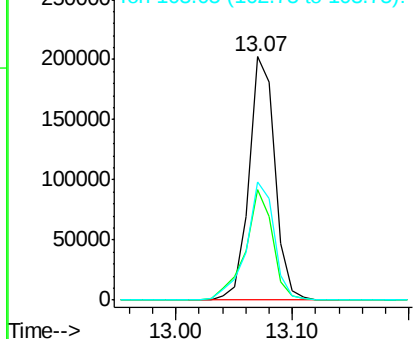


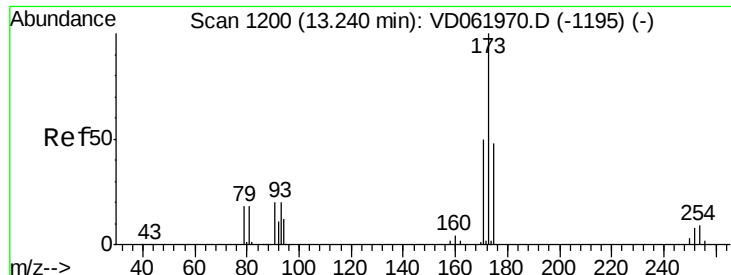
#70
Styrene
Concen: 21.346 ug/l
RT: 13.07 min Scan# 1183
Delta R.T. -0.01 min
Lab File: VD061976.D
Acq: 23 Apr 2019 18:08

Tgt Ion:104 Resp: 310842
Ion Ratio Lower Upper
104 100
78 45.4 35.4 53.2
103 48.6 37.5 56.3



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: 21.318 ug/l

RT: 13.24 min Scan# 1200

Delta R.T. 0.00 min

Lab File: VD061976.D

Acq: 23 Apr 2019 18:08

Instrument :

MSVOA_D

ClientSampleId :

VD0423SBSD01

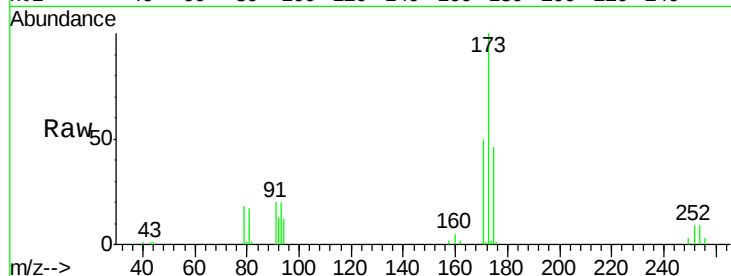
Tot Ion:173 Resp: 80551

Ion Ratio Lower Upper

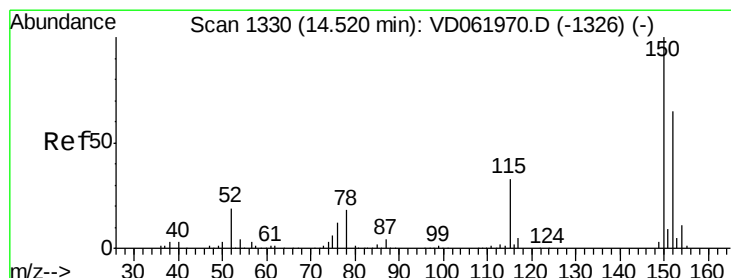
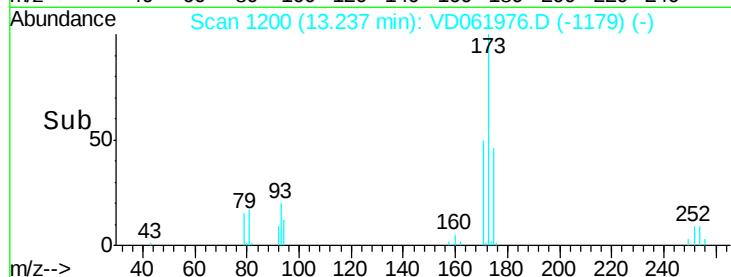
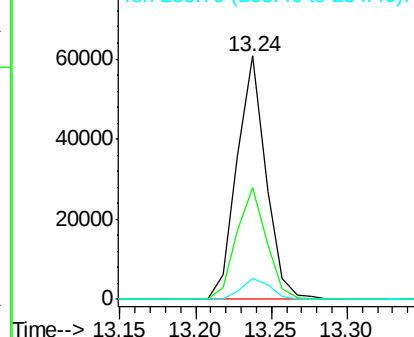
173 100

175 46.1 24.4 73.4

254 8.5 5.4 8.2#



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: 14.52 min Scan# 1330

Delta R.T. -0.01 min

Lab File: VD061976.D

Acq: 23 Apr 2019 18:08

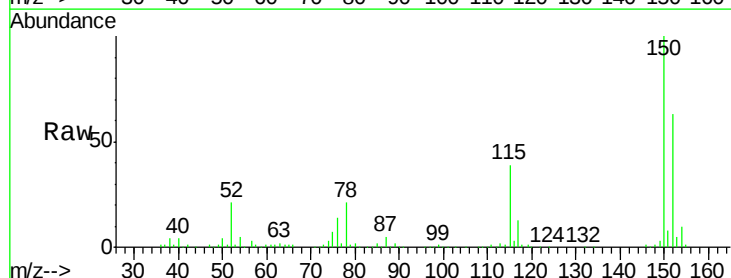
Tgt Ion:152 Resp: 364484

Ion Ratio Lower Upper

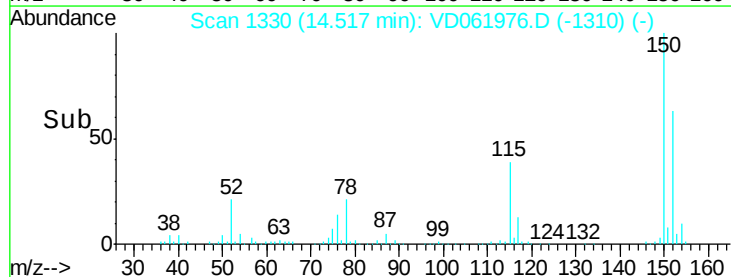
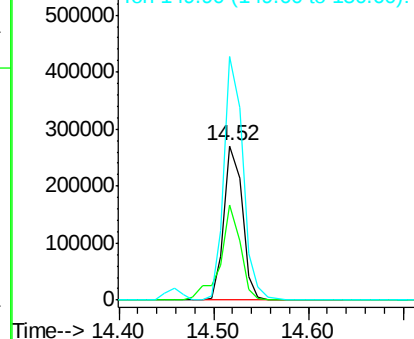
152 100

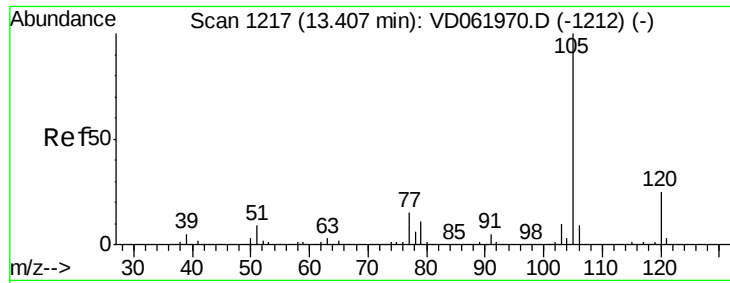
115 61.8 30.9 92.7

150 157.9 0.0 314.8



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: 18.541 ug/l

RT: 13.40 min Scan# 1217

Delta R.T. 0.00 min

Lab File: VD061976.D

Acq: 23 Apr 2019 18:08

Instrument :

MSVOA_D

ClientSampleId :

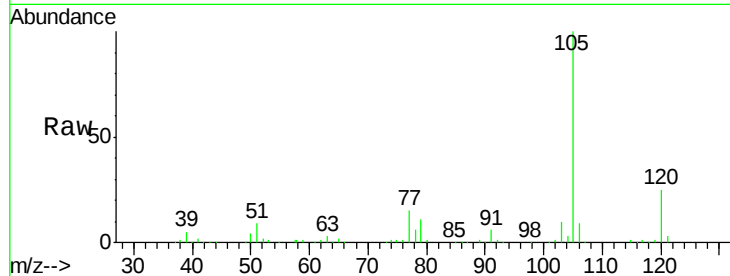
VD0423SBS01

Tot Ion:105 Resp: 450788

Ion Ratio Lower Upper

105 100

120 25.0 12.0 36.1



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V

13.40

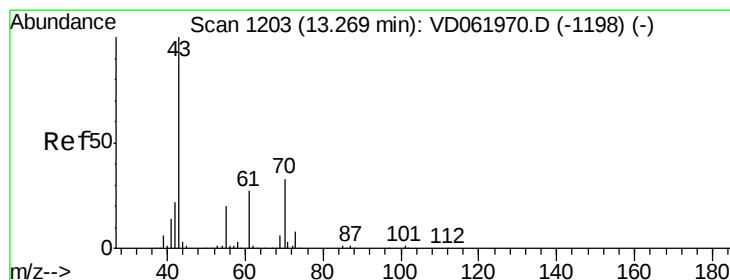
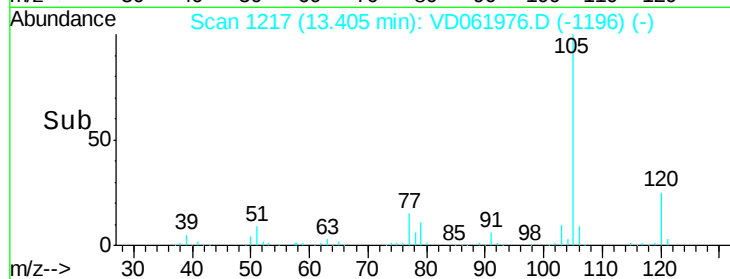
300000

200000

100000

0

Time--> 13.30 13.40 13.50



#74

N-ethyl acetate

Concen: 21.901 ug/l

RT: 13.27 min Scan# 1203

Delta R.T. 0.00 min

Lab File: VD061976.D

Acq: 23 Apr 2019 18:08

Tgt Ion: 43 Resp: 137138

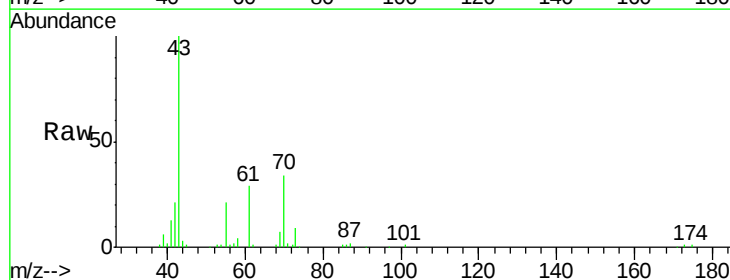
Ion Ratio Lower Upper

43 100

70 33.7 24.2 36.4

55 20.6 16.0 24.0

61 29.1 21.6 32.4



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

13.27

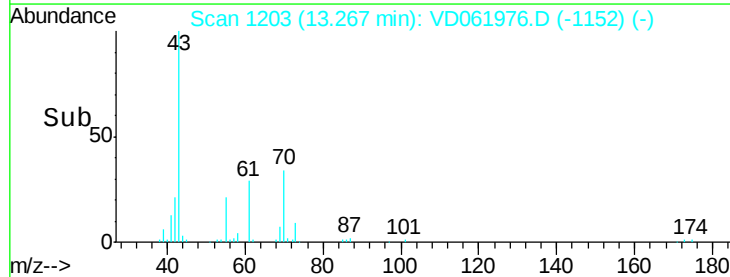
150000

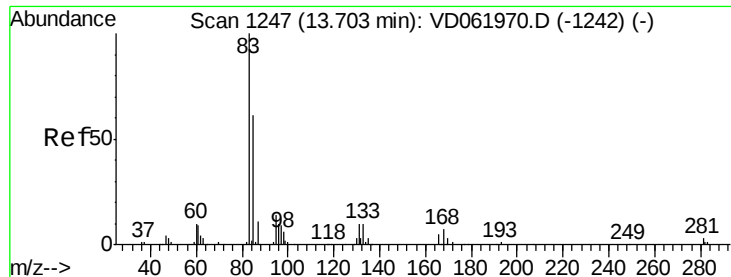
100000

50000

0

Time--> 13.20 13.30





#75

1,1,2,2-Tetrachloroethane

Concen: 21.458 ug/l

RT: 13.70 min Scan# 1247

Delta R.T. 0.00 min

Lab File: VD061976.D

Acq: 23 Apr 2019 18:08

Instrument :

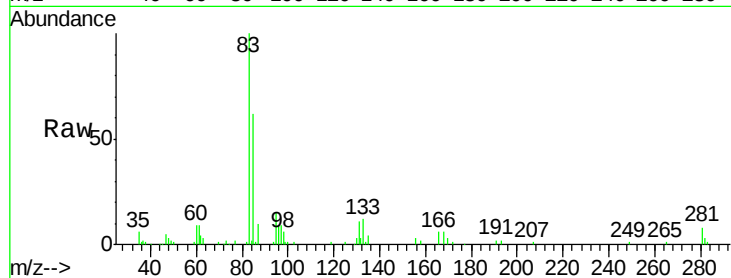
MSVOA_D

ClientSampleId :

VD0423SBSD01

Tot Ion: 83 Resp: 102239

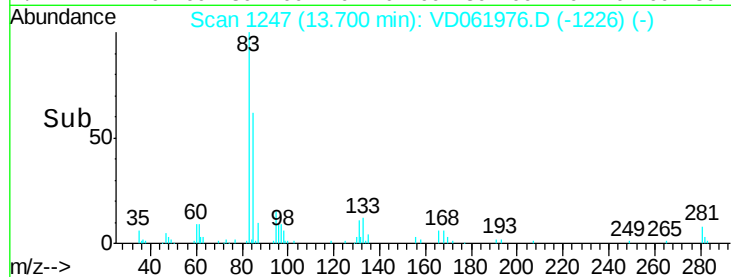
Ion	Ratio	Lower	Upper
83	100		
131	10.7	5.0	14.9
85	62.0	32.6	97.7



Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 130.90 (130.60 to 131.60): VDC

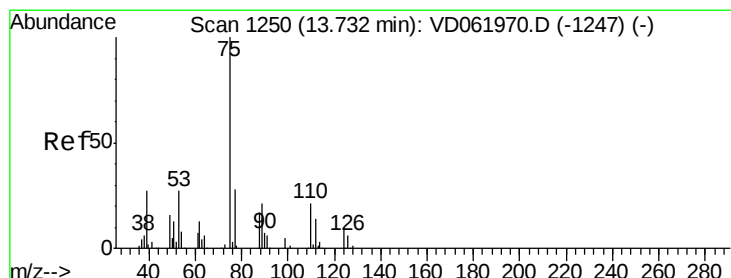
Ion 84.95 (84.65 to 85.65): VDC



Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 130.90 (130.60 to 131.60): VDC

Ion 84.95 (84.65 to 85.65): VDC



#76

1,2,3-Trichloropropane

Concen: 20.111 ug/l

RT: 13.74 min Scan# 1251

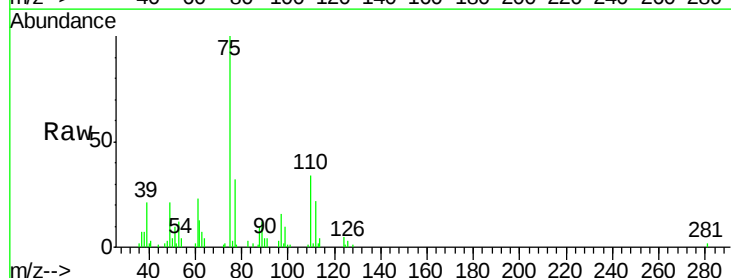
Delta R.T. 0.00 min

Lab File: VD061976.D

Acq: 23 Apr 2019 18:08

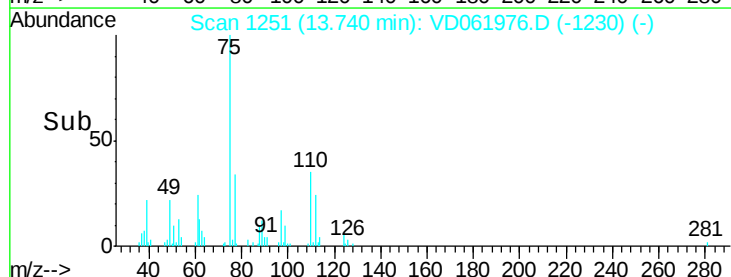
Tgt Ion: 75 Resp: 93084

Ion	Ratio	Lower	Upper
75	100		
77	32.5	16.4	49.4



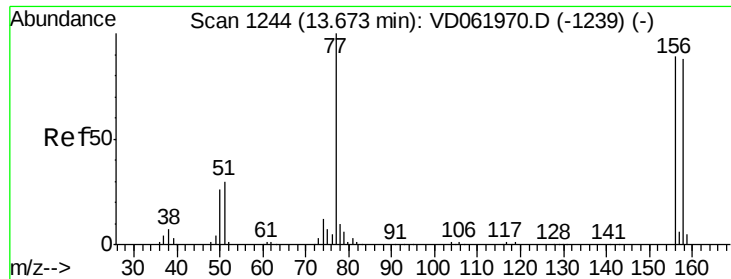
Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC



#77

Bromobenzene

Concen: 20.405 ug/l

RT: 13.67 min Scan# 1244

Delta R.T. 0.00 min

Lab File: VD061976.D

Acq: 23 Apr 2019 18:08

Instrument :

MSVOA_D

ClientSampleId :

VD0423SBSD01

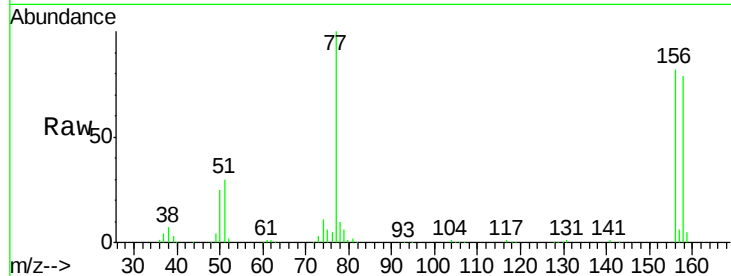
Tot Ion:156 Resp: 142320

Ion Ratio Lower Upper

156 100

77 121.8 53.1 159.4

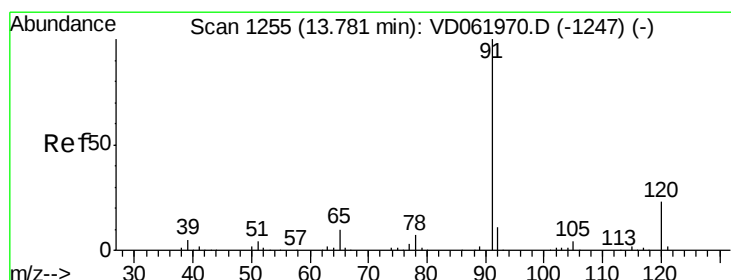
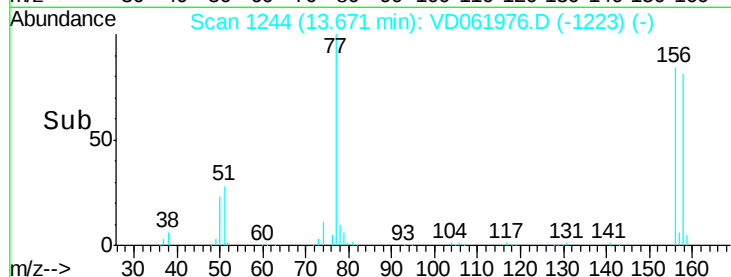
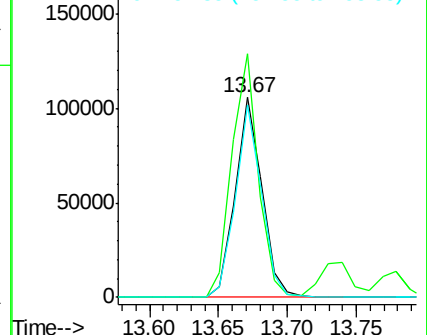
158 96.4 49.4 148.0



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: 19.174 ug/l

RT: 13.78 min Scan# 1255

Delta R.T. 0.00 min

Lab File: VD061976.D

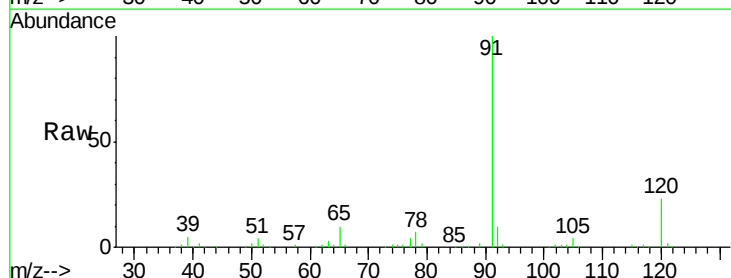
Acq: 23 Apr 2019 18:08

Tgt Ion: 91 Resp: 533687

Ion Ratio Lower Upper

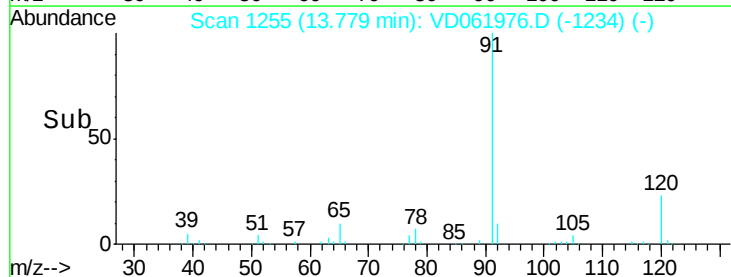
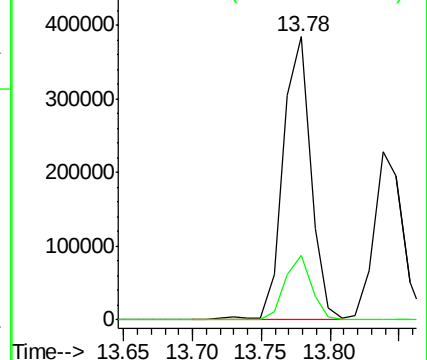
91 100

120 22.7 11.1 33.1



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V

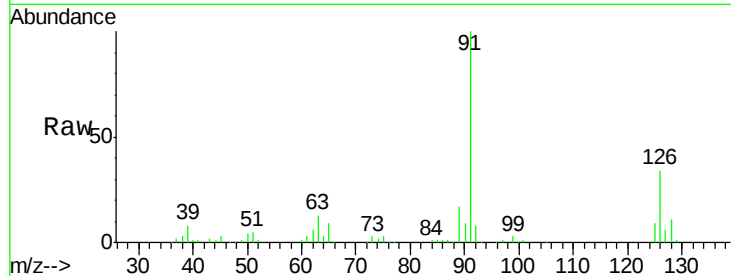




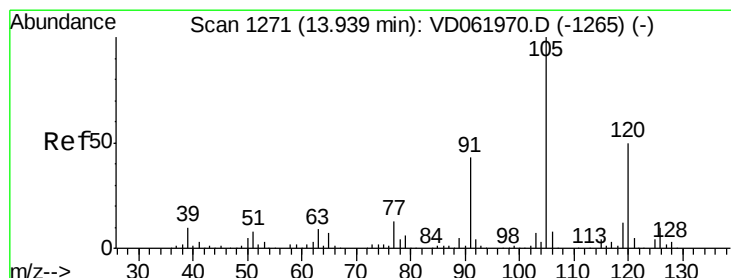
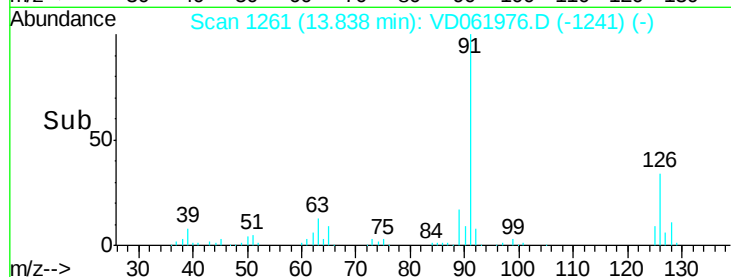
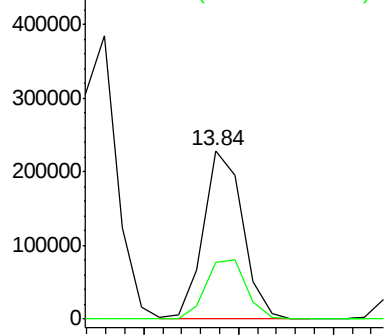
#79
 2-Chlorotoluene
 Concen: 19.418 ug/l
 RT: 13.84 min Scan# 1261
 Delta R.T. -0.01 min
 Lab File: VD061976.D
 Acq: 23 Apr 2019 18:08

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0423SBSD01

Tot Ion: 91 Resp: 327370
 Ion Ratio Lower Upper
 91 100
 126 33.8 18.6 55.8

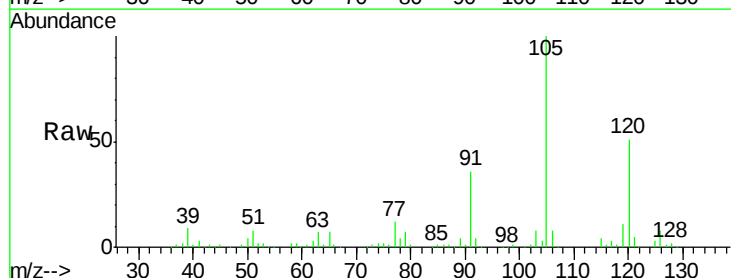


Abundance Ion 91.00 (90.70 to 91.70): V
 Ion 125.95 (125.65 to 126.65): V

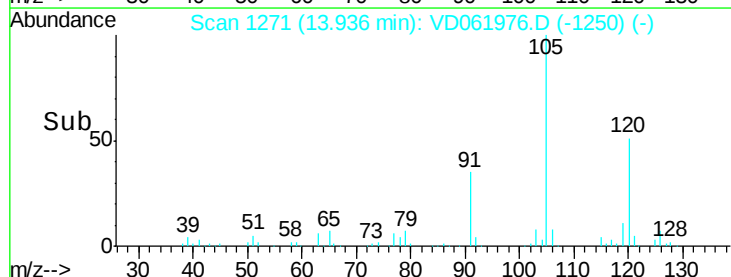
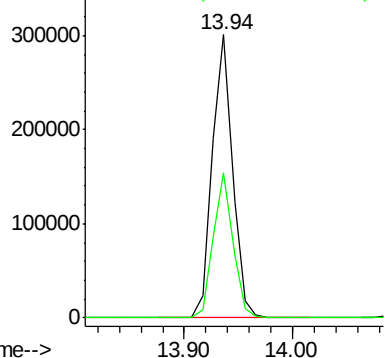


#80
 1,3,5-Trimethylbenzene
 Concen: 20.207 ug/l
 RT: 13.94 min Scan# 1271
 Delta R.T. 0.00 min
 Lab File: VD061976.D
 Acq: 23 Apr 2019 18:08

Tgt Ion: 105 Resp: 391750
 Ion Ratio Lower Upper
 105 100
 120 51.2 24.0 72.0



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

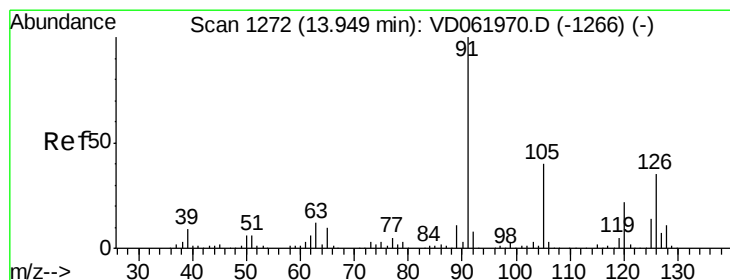
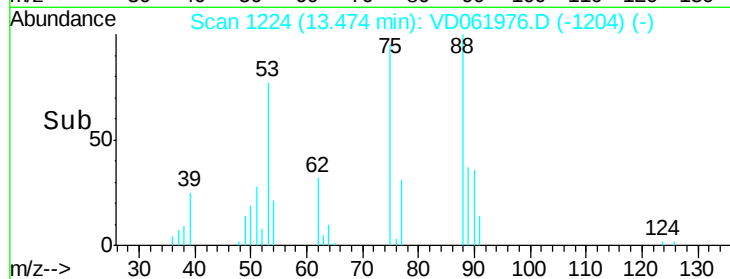
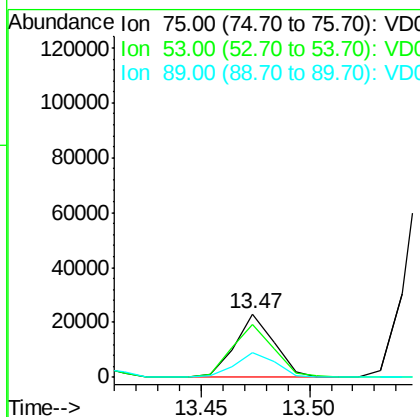
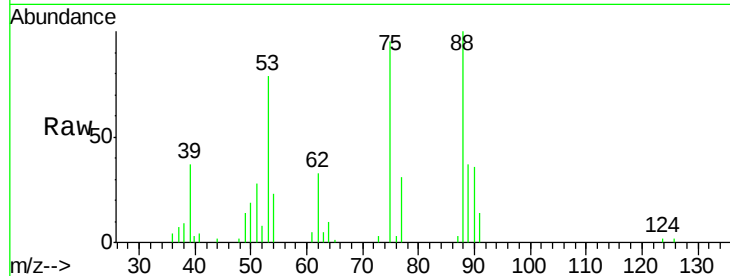




#81
trans-1,4-Dichloro-2-butene
Concen: 20.428 ug/l
RT: 13.47 min Scan# 1224
Delta R.T. -0.01 min
Lab File: VD061976.D
Acq: 23 Apr 2019 18:08

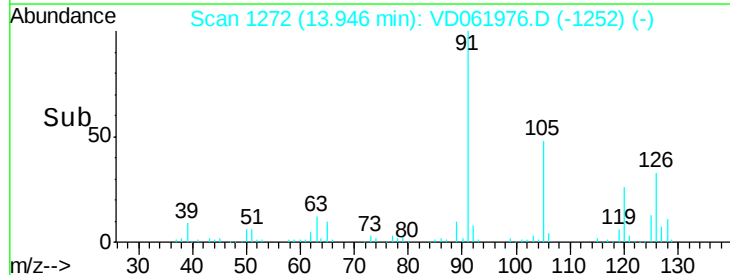
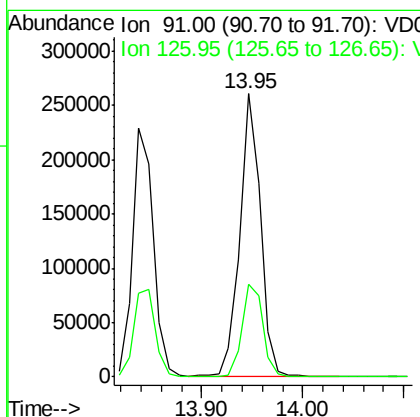
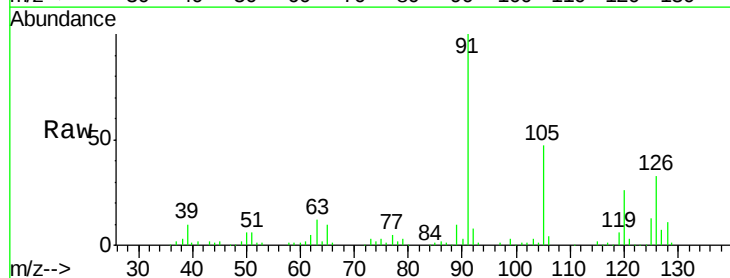
Instrument :
MSVOA_D
ClientSampleId :
VD0423SBSD01

Tot Ion: 75 Resp: 28652
Ion Ratio Lower Upper
75 100
53 82.8 65.8 98.8
89 39.0 35.0 52.6



#82
4-Chlorotoluene
Concen: 19.855 ug/l
RT: 13.95 min Scan# 1272
Delta R.T. -0.01 min
Lab File: VD061976.D
Acq: 23 Apr 2019 18:08

Tgt Ion: 91 Resp: 368640
Ion Ratio Lower Upper
91 100
126 32.6 19.1 57.5

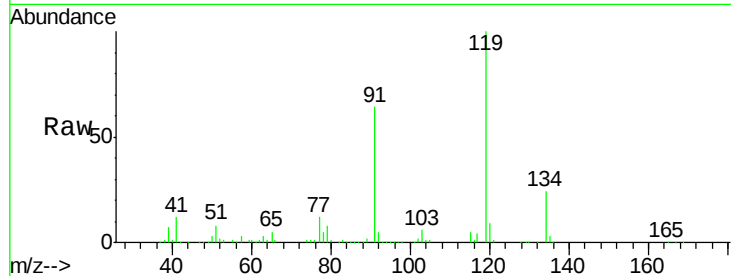




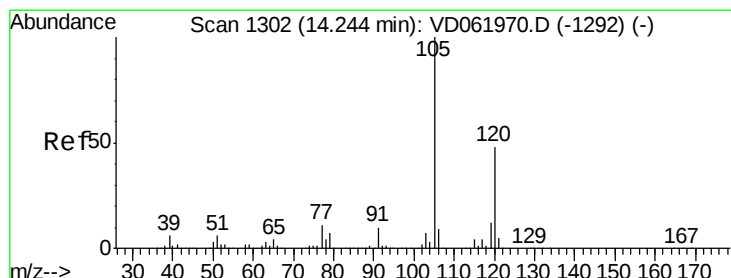
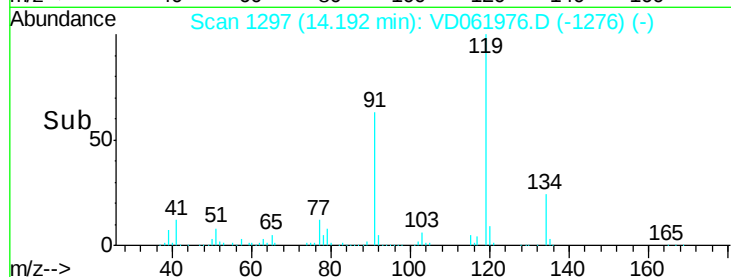
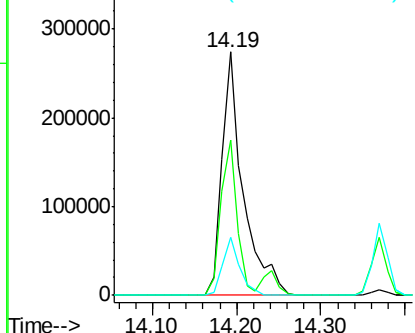
#83
tert-Butylbenzene
Concen: 21.401 ug/l
RT: 14.19 min Scan# 1297
Delta R.T. 0.00 min
Lab File: VD061976.D
Acq: 23 Apr 2019 18:08

Instrument :
MSVOA_D
ClientSampleId :
VD0423SBSD01

Tot Ion:119 Resp: 480622
Ion Ratio Lower Upper
119 100
91 64.0 34.2 102.6
134 23.6 12.0 36.0

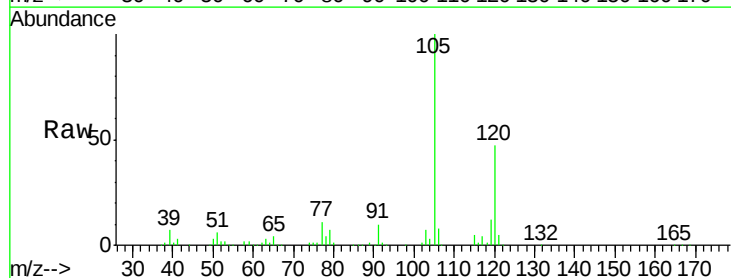


Abundance Ion 119.05 (118.75 to 119.75): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

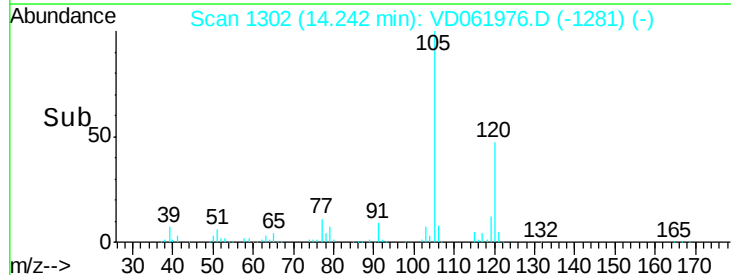
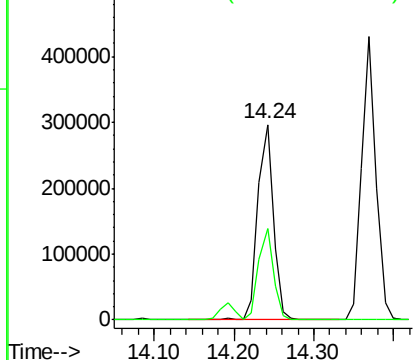


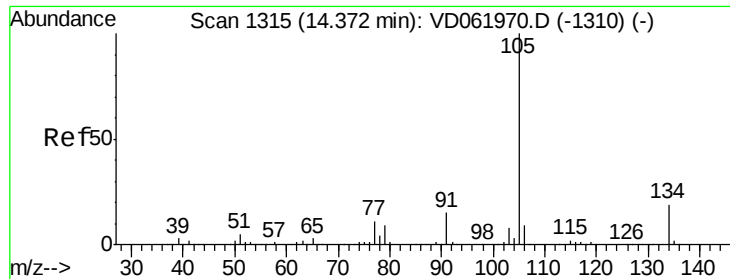
#84
1,2,4-Trimethylbenzene
Concen: 21.228 ug/l
RT: 14.24 min Scan# 1302
Delta R.T. 0.00 min
Lab File: VD061976.D
Acq: 23 Apr 2019 18:08

Tgt Ion:105 Resp: 392952
Ion Ratio Lower Upper
105 100
120 46.7 23.1 69.2



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

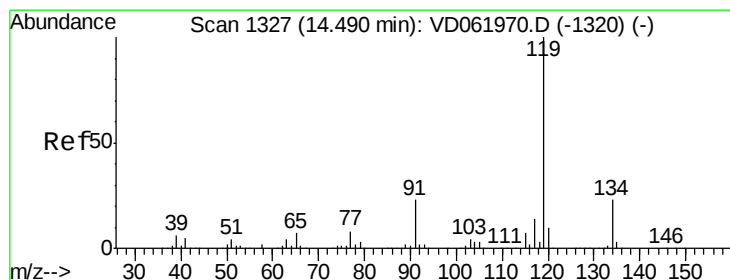
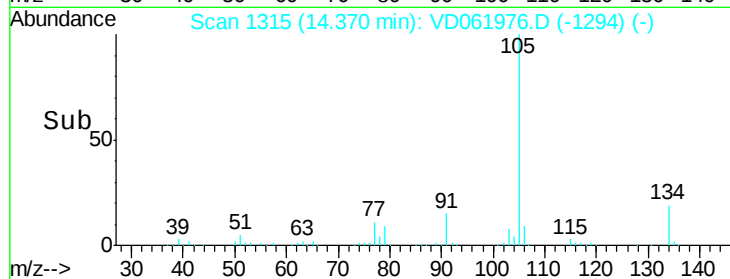
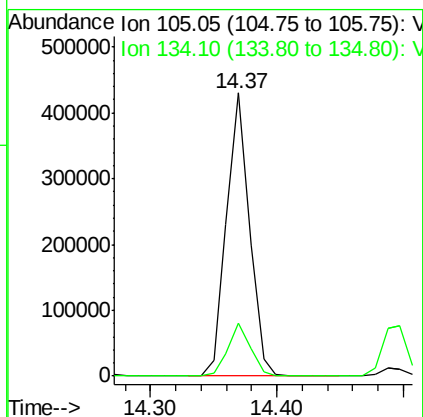
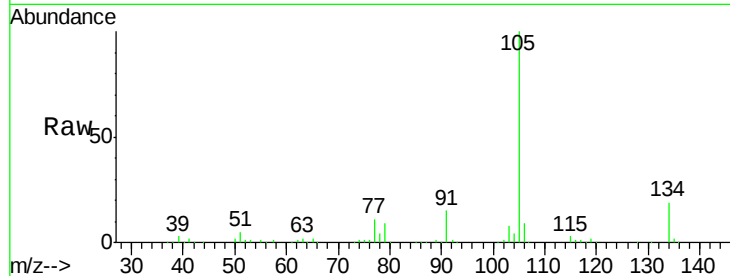




#85
 sec-Butylbenzene
 Concen: 22.349 ug/l
 RT: 14.37 min Scan# 1315
 Delta R.T. 0.00 min
 Lab File: VD061976.D
 Acq: 23 Apr 2019 18:08

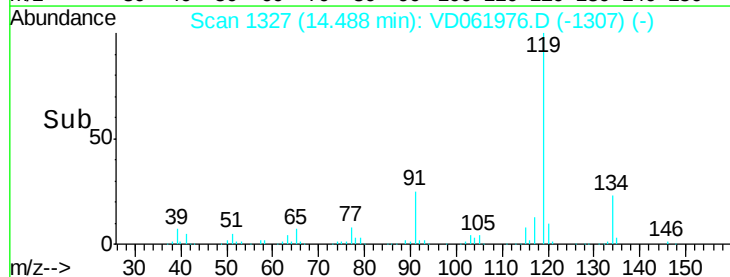
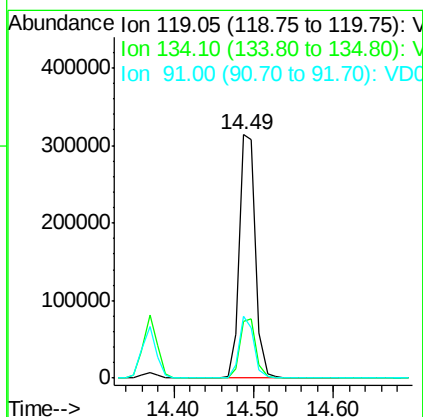
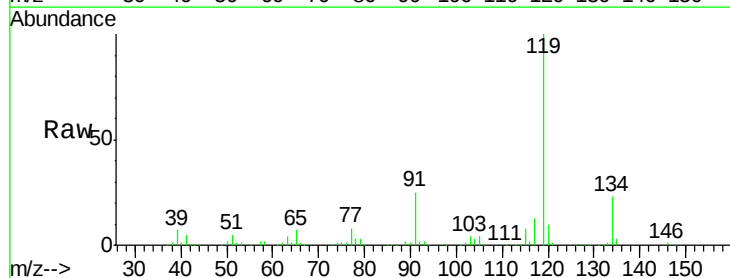
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0423SBSD01

Tot Ion:105 Resp: 542343
 Ion Ratio Lower Upper
 105 100
 134 18.9 8.9 26.7



#86
 p-Isopropyltoluene
 Concen: 20.477 ug/l
 RT: 14.49 min Scan# 1327
 Delta R.T. -0.01 min
 Lab File: VD061976.D
 Acq: 23 Apr 2019 18:08

Tgt Ion:119 Resp: 444715
 Ion Ratio Lower Upper
 119 100
 134 23.4 12.8 38.3
 91 25.3 10.7 32.1

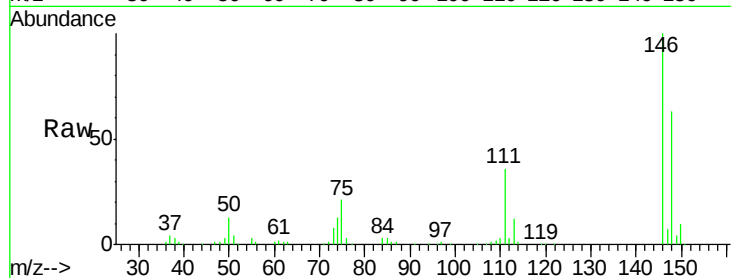




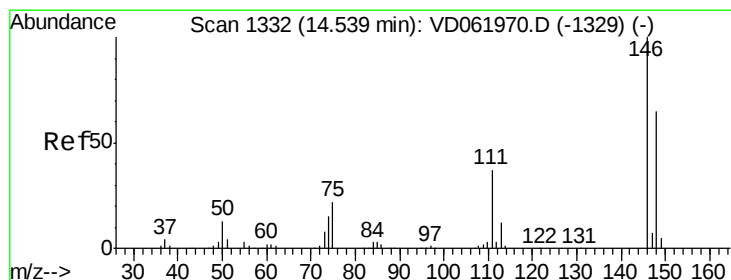
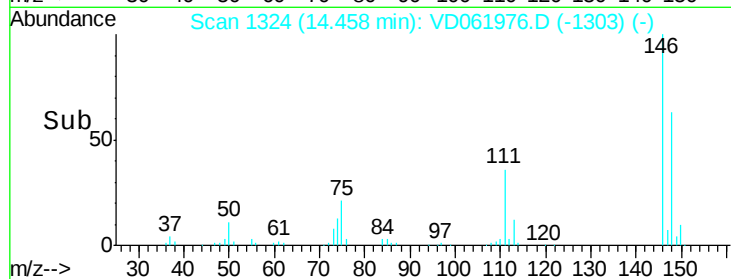
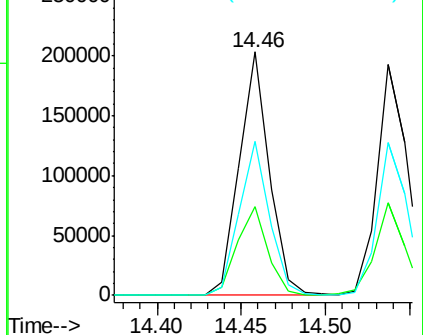
#87
 1,3-Dichlorobenzene
 Concen: 20.645 ug/l
 RT: 14.46 min Scan# 1324
 Delta R.T. 0.00 min
 Lab File: VD061976.D
 Acq: 23 Apr 2019 18:08

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0423SBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	36.3	20.0	60.0
148	63.1	31.8	95.4

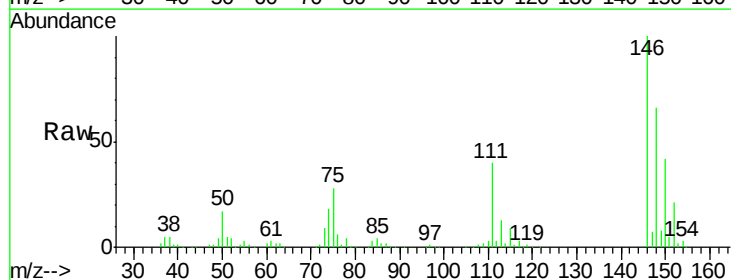


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

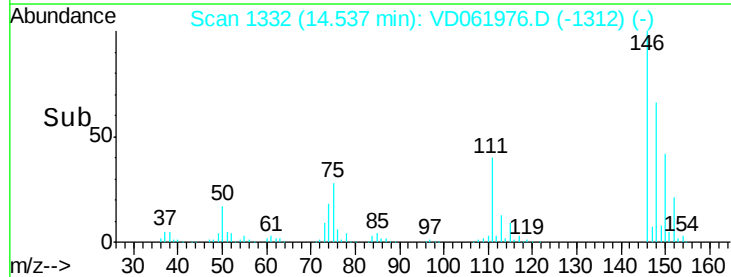
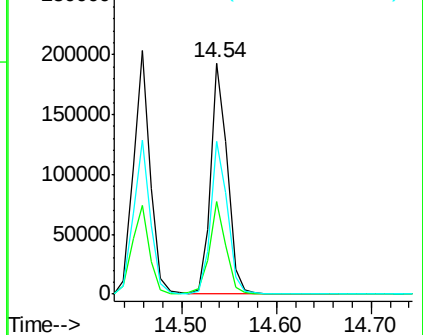


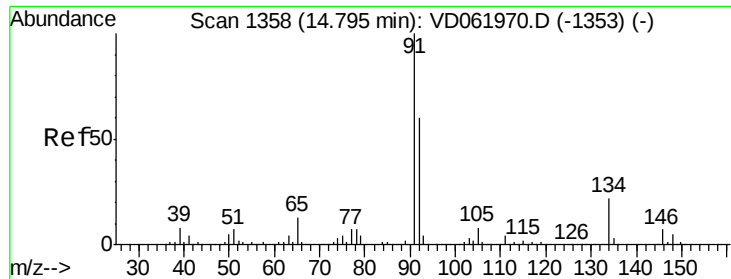
#88
 1,4-Dichlorobenzene
 Concen: 21.020 ug/l
 RT: 14.54 min Scan# 1332
 Delta R.T. -0.01 min
 Lab File: VD061976.D
 Acq: 23 Apr 2019 18:08

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.9	20.2	60.5
148	65.9	32.0	96.2



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

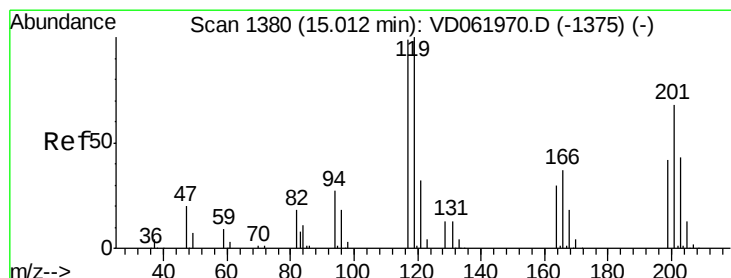
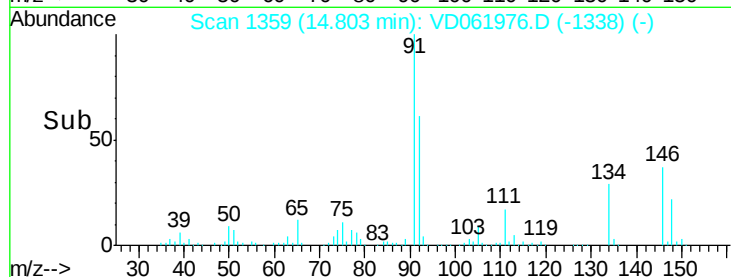
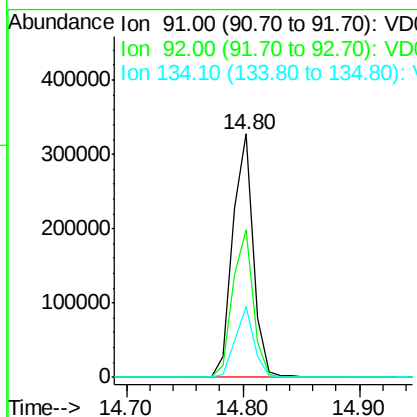
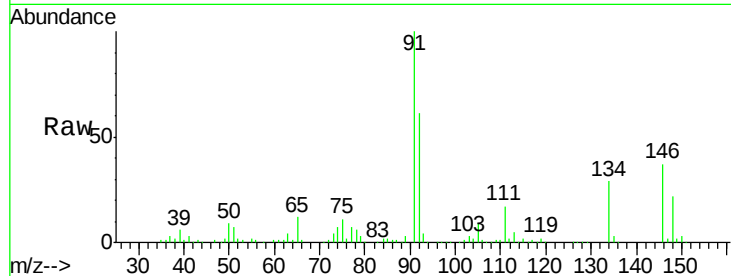




#89
n-Butylbenzene
Concen: 20.530 ug/l
RT: 14.80 min Scan# 1359
Delta R.T. 0.00 min
Lab File: VD061976.D
Acq: 23 Apr 2019 18:08

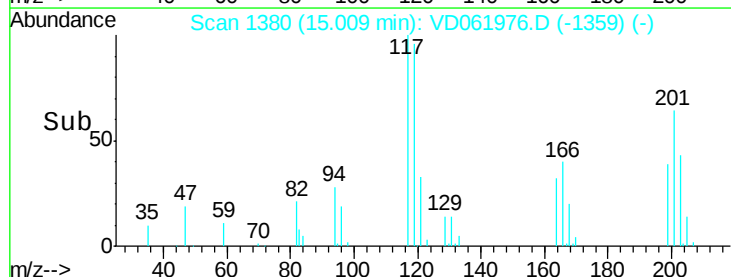
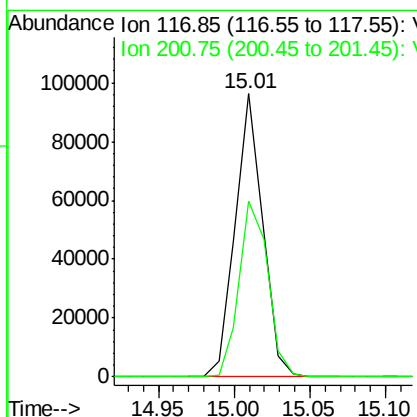
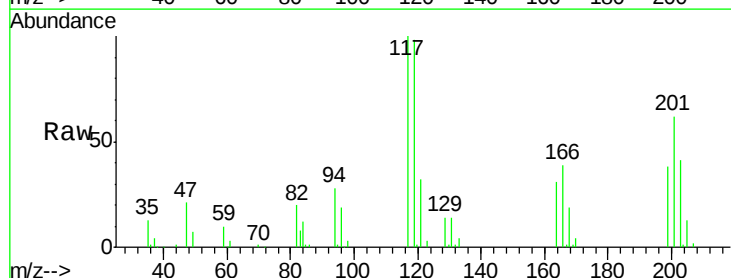
Instrument :
MSVOA_D
ClientSampleId :
VD0423SBSD01

Tot Ion: 91 Resp: 400293
Ion Ratio Lower Upper
91 100
92 60.7 30.3 91.0
134 28.8 14.5 43.6



#90
Hexachloroethane
Concen: 20.561 ug/l
RT: 15.01 min Scan# 1380
Delta R.T. 0.00 min
Lab File: VD061976.D
Acq: 23 Apr 2019 18:08

Tgt Ion: 117 Resp: 120747
Ion Ratio Lower Upper
117 100
201 62.3 30.2 90.6

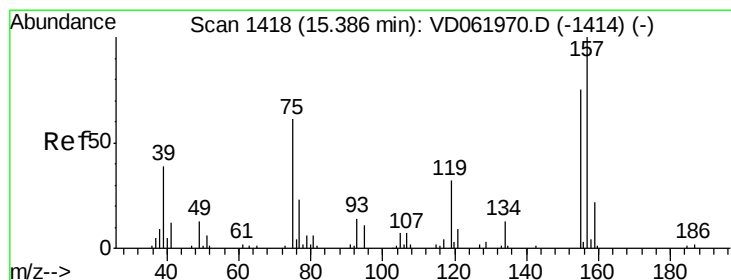
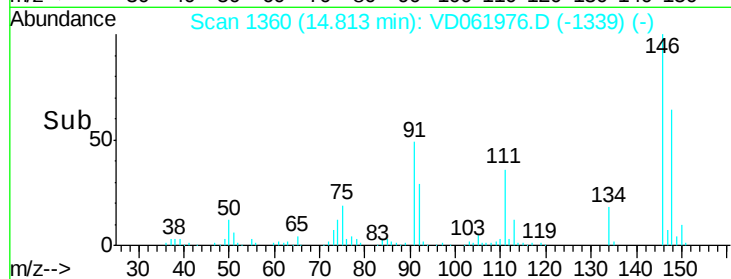
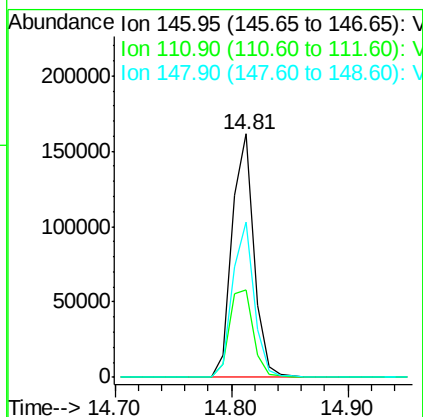
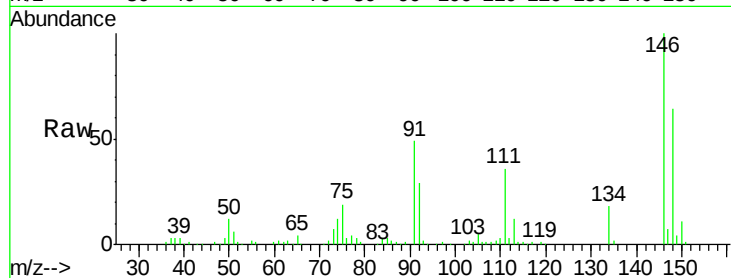




#91
 1,2-Dichlorobenzene
 Concen: 20.849 ug/l
 RT: 14.81 min Scan# 1360
 Delta R.T. 0.00 min
 Lab File: VD061976.D
 Acq: 23 Apr 2019 18:08

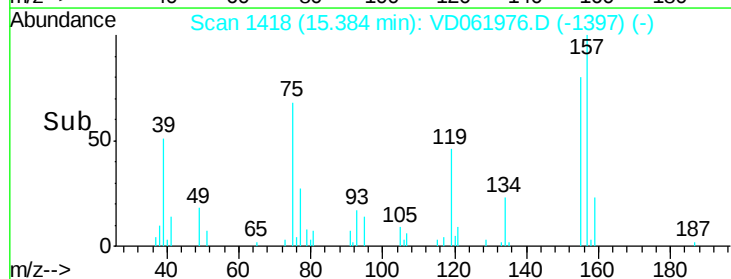
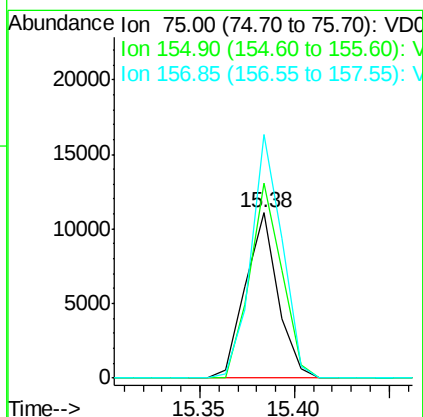
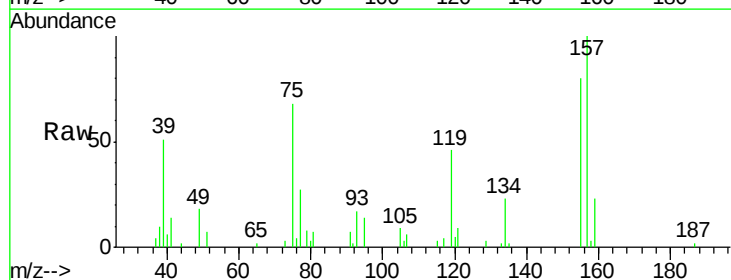
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0423SBSD01

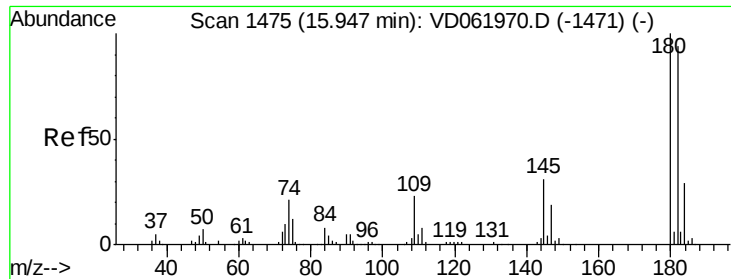
Tot Ion:146 Resp: 210060
 Ion Ratio Lower Upper
 146 100
 111 36.0 20.0 59.9
 148 63.9 32.3 96.8



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.392 ug/l
 RT: 15.38 min Scan# 1418
 Delta R.T. 0.00 min
 Lab File: VD061976.D
 Acq: 23 Apr 2019 18:08

Tgt Ion: 75 Resp: 13194
 Ion Ratio Lower Upper
 75 100
 155 117.8 55.3 165.8
 157 147.4 67.8 203.2

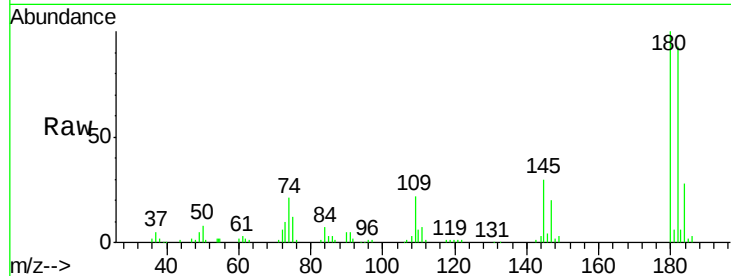




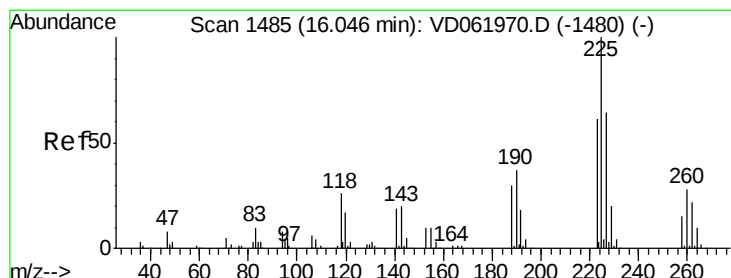
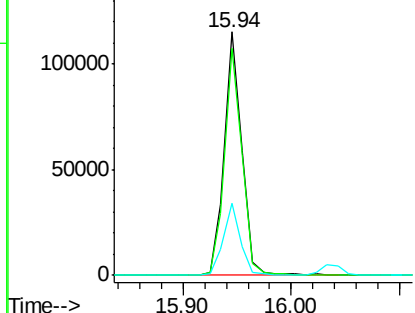
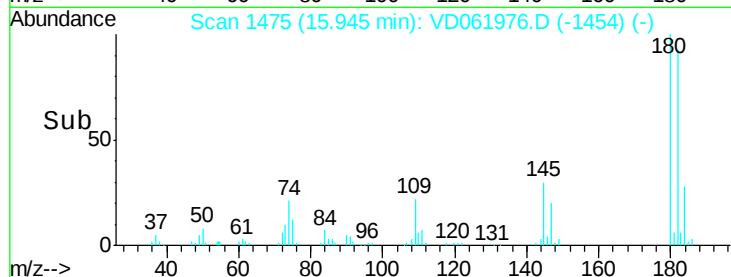
#93
 1,2,4-Trichlorobenzene
 Concen: 23.909 ug/l
 RT: 15.94 min Scan# 1475
 Delta R.T. 0.00 min
 Lab File: VD061976.D
 Acq: 23 Apr 2019 18:08

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0423SBS01

Tot Ion:180 Resp: 129972
 Ion Ratio Lower Upper
 180 100
 182 93.4 49.3 147.8
 145 29.8 16.2 48.6

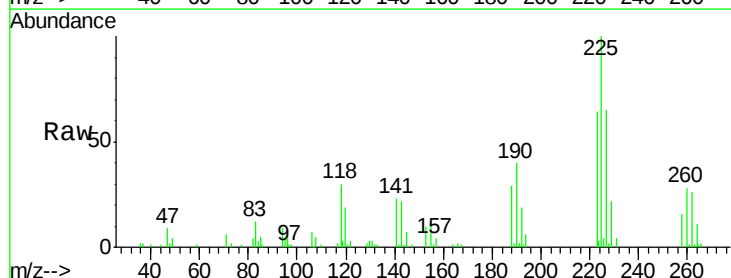


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

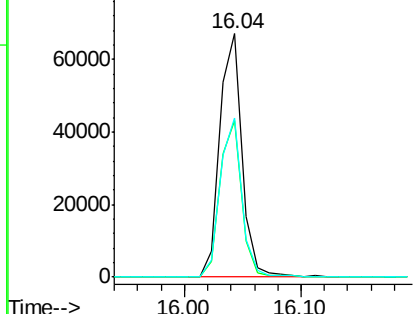
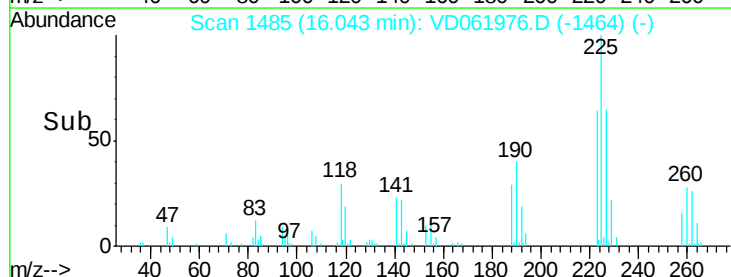


#94
 Hexachlorobutadiene
 Concen: 22.004 ug/l
 RT: 16.04 min Scan# 1485
 Delta R.T. 0.00 min
 Lab File: VD061976.D
 Acq: 23 Apr 2019 18:08

Tgt Ion:225 Resp: 88522
 Ion Ratio Lower Upper
 225 100
 223 64.1 30.6 92.0
 227 65.1 32.0 96.2



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

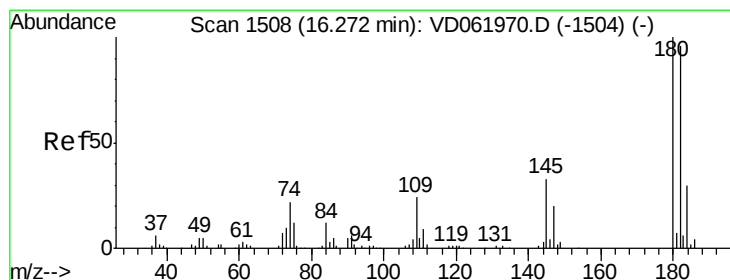
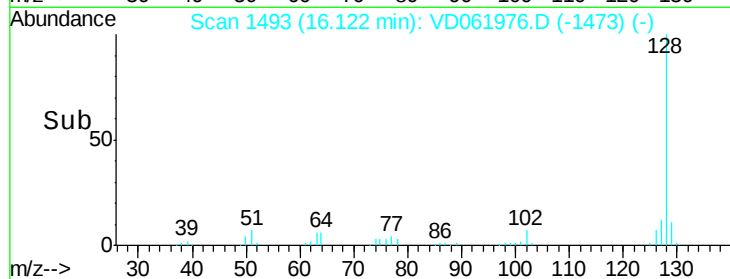
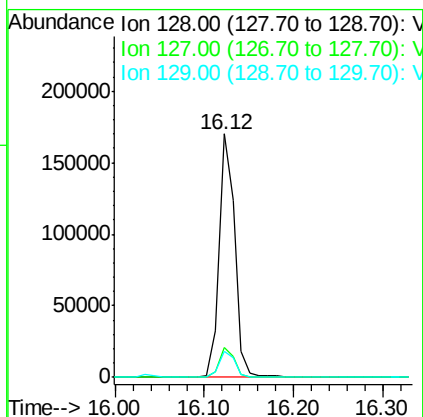
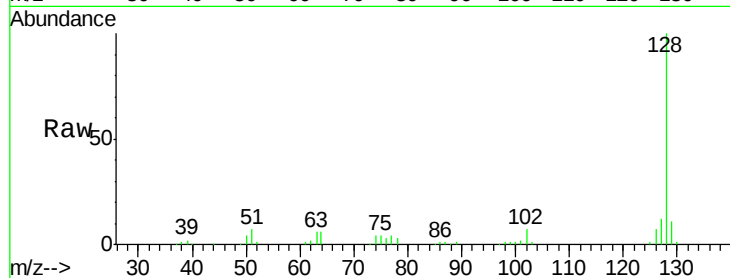




#95
Naphthalene
Concen: 23.865 ug/l
RT: 16.12 min Scan# 1493
Delta R.T. -0.01 min
Lab File: VD061976.D
Acq: 23 Apr 2019 18:08

Instrument :
MSVOA_D
ClientSampleId :
VD0423SBSD01

Tot Ion:128 Resp: 209469
Ion Ratio Lower Upper
128 100
127 12.5 9.8 14.8
129 10.6 8.8 13.2



#96
1,2,3-Trichlorobenzene
Concen: 28.122 ug/l
RT: 16.27 min Scan# 1508
Delta R.T. 0.00 min
Lab File: VD061976.D
Acq: 23 Apr 2019 18:08

Tgt Ion:180 Resp: 86741
Ion Ratio Lower Upper
180 100
182 91.9 47.0 141.0
145 34.4 17.0 51.0

