

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD042519\
 Data File : VD062032.D
 Acq On : 25 Apr 2019 12:01
 Operator : VA/AP
 Sample : VD0425SBS01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0425SBS01

Quant Time: Apr 25 12:27:16 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	627789	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.22	114	982863	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.37	117	826394	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	385383	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.46	65	260190	52.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.90%	
35) Dibromofluoromethane	6.92	113	369607	54.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.74%	
50) Toluene-d8	10.42	98	856870	52.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.96%	
62) 4-Bromofluorobenzene	13.56	95	323534	49.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.74%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.58	85	99140	17.686	ug/l	98
3) Chloromethane	1.76	50	79727	16.734	ug/l	99
4) Vinyl Chloride	1.85	62	76390	17.690	ug/l	93
5) Bromomethane	2.15	94	18250	13.677	ug/l	98
6) Chloroethane	2.26	64	24327	15.584	ug/l	94
7) Trichlorofluoromethane	2.53	101	128093	19.618	ug/l	96
8) Diethyl Ether	2.88	74	35911	20.521	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.15	101	119863	19.928	ug/l	98
10) Methyl Iodide	3.31	142	140709	19.117	ug/l	94
11) Tert butyl alcohol	4.07	59	28901	104.106	ug/l	96
12) 1,1-Dichloroethene	3.13	96	95082	18.581	ug/l	95
13) Acrolein	3.04	56	31018	107.686	ug/l	95
14) Allyl chloride	3.63	41	120937	17.308	ug/l	90
15) Acrylonitrile	4.20	53	86758	100.924	ug/l	94
16) Acetone	3.22	43	107992	92.051	ug/l	94
17) Carbon Disulfide	3.38	76	252277	17.061	ug/l	98
18) Methyl Acetate	3.65	43	46551	20.608	ug/l	99
19) Methyl tert-butyl Ether	4.24	73	195661	19.271	ug/l	98
20) Methylene Chloride	3.82	84	120850	19.195	ug/l	95
21) trans-1,2-Dichloroethene	4.23	96	109545	18.661	ug/l	99
22) Diisopropyl ether	5.12	45	325659	19.962	ug/l	98
23) Vinyl Acetate	5.06	43	872894	102.746	ug/l	98
24) 1,1-Dichloroethane	4.99	63	194066	19.682	ug/l	99
25) 2-Butanone	6.08	43	144738	101.757	ug/l	98
26) 2,2-Dichloropropane	6.03	77	183546	21.338	ug/l	99
27) cis-1,2-Dichloroethene	6.05	96	140752	21.076	ug/l	93
28) Bromochloromethane	6.44	49	84767	22.468	ug/l	93
29) Tetrahydrofuran	6.46	42	71166	101.542	ug/l	99
30) Chloroform	6.67	83	226277	20.204	ug/l	100
31) Cyclohexane	6.96	56	134654	18.398	ug/l	94
32) 1,1,1-Trichloroethane	6.87	97	194274	19.937	ug/l	98
36) 1,1-Dichloropropene	7.15	75	158572	20.708	ug/l	100
37) Ethyl Acetate	6.18	43	69678	21.353	ug/l	95
38) Carbon Tetrachloride	7.12	117	187650	19.339	ug/l	98

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 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleID :
 VD0425SBS01

Quant Time: Apr 25 12:27:16 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)
39) Methylcyclohexane	8.87	83	149919	19.843	ug/l	99
40) Benzene	7.47	78	384594	20.287	ug/l	98
41) Methacrylonitrile	6.45	41	79701	20.933	ug/l	95
42) 1,2-Dichloroethane	7.58	62	137894	21.423	ug/l	98
43) Isopropyl Acetate	9.24	43	94672	19.856	ug/l	99
44) Trichloroethene	8.55	130	146665	19.956	ug/l	100
45) 1,2-Dichloropropane	8.94	63	93032	19.344	ug/l	99
46) Dibromomethane	9.07	93	71355	20.619	ug/l	91
47) Bromodichloromethane	9.38	83	160238	19.597	ug/l	99
48) Methyl methacrylate	9.12	41	55888	20.544	ug/l	92
49) 1,4-Dioxane	9.08	88	12659	431.623	ug/l	90
51) 4-Methyl-2-Pentanone	10.30	43	316281	108.469	ug/l	99
52) Toluene	10.51	92	249231	20.619	ug/l	94
53) t-1,3-Dichloropropene	10.92	75	144951	21.119	ug/l	100
54) cis-1,3-Dichloropropene	10.04	75	171672	20.565	ug/l	99
55) 1,1,2-Trichloroethane	11.20	97	85473	21.062	ug/l	99
56) Ethyl methacrylate	11.05	69	90263	20.083	ug/l	97
57) 1,3-Dichloropropane	11.41	76	120257	19.187	ug/l	95
58) 2-Chloroethyl Vinyl ether	9.86	63	262924	125.825	ug/l	98
59) 2-Hexanone	11.53	43	230970	105.595	ug/l	98
60) Dibromochloromethane	11.69	129	138663	20.651	ug/l	96
61) 1,2-Dibromoethane	11.81	107	105869	21.992	ug/l	91
64) Tetrachloroethene	11.27	164	117008	19.848	ug/l	97
65) Chlorobenzene	12.40	112	307700	19.704	ug/l	99
66) 1,1,1,2-Tetrachloroethane	12.52	131	128801	19.445	ug/l	97
67) Ethyl Benzene	12.53	91	501628	19.681	ug/l	98
68) m/p-Xylenes	12.67	106	350047	37.999	ug/l	100
69) o-Xylene	13.05	106	172059	20.413	ug/l	97
70) Styrene	13.08	104	278753	19.153	ug/l	96
71) Bromoform	13.23	173	76615	20.288	ug/l	98
73) Isopropylbenzene	13.40	105	453873	17.655	ug/l	100
74) N-amyl acetate	13.26	43	126411	19.093	ug/l	98
75) 1,1,2,2-Tetrachloroethane	13.70	83	96602	19.176	ug/l	98
76) 1,2,3-Trichloropropane	13.74	75	98191	20.064	ug/l	98
77) Bromobenzene	13.67	156	141107	19.134	ug/l	82
78) n-propylbenzene	13.78	91	579619	19.695	ug/l	100
79) 2-Chlorotoluene	13.84	91	328814	18.446	ug/l	99
80) 1,3,5-Trimethylbenzene	13.93	105	366142	17.862	ug/l	99
81) trans-1,4-Dichloro-2-buten	13.47	75	28148	18.980	ug/l	92
82) 4-Chlorotoluene	13.95	91	358071	18.240	ug/l	99
83) tert-Butylbenzene	14.19	119	493898	20.799	ug/l	98
84) 1,2,4-Trimethylbenzene	14.24	105	404847	20.684	ug/l	96
85) sec-Butylbenzene	14.37	105	472362	18.410	ug/l	100
86) p-Isopropyltoluene	14.49	119	439669	19.147	ug/l	98
87) 1,3-Dichlorobenzene	14.45	146	242651	18.789	ug/l	99
88) 1,4-Dichlorobenzene	14.54	146	225808	18.697	ug/l	93
89) n-Butylbenzene	14.80	91	403253	19.560	ug/l	96
90) Hexachloroethane	15.01	117	119310	19.214	ug/l	97
91) 1,2-Dichlorobenzene	14.81	146	213191	20.012	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	15.38	75	11764	17.609	ug/l	97

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Data File : VD062032.D
Acq On : 25 Apr 2019 12:01
Operator : VA/AP
Sample : VD0425SBSD01
Misc : 5.00g/5ml/MSVOA D/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VD0425SBSD01

Quant Time: Apr 25 12:27:16 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D042319S.M
Quant Title : SW846 8260
QLast Update : Tue Apr 23 14:52:55 2019
Response via : Initial Calibration

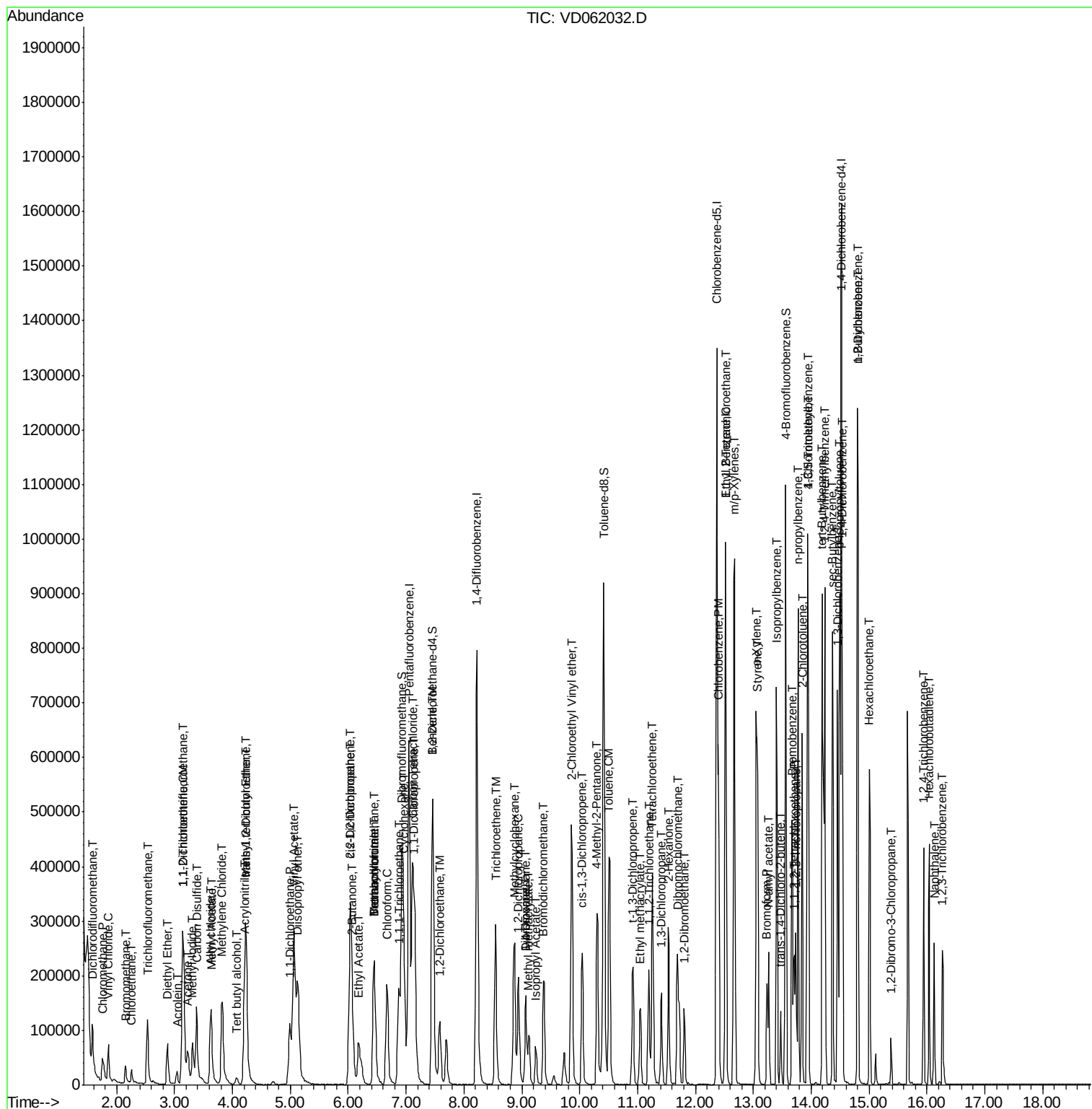
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.94	180	110035	19.143	ug/l	97
94) Hexachlorobutadiene	16.04	225	74545	17.525	ug/l	98
95) Naphthalene	16.13	128	179909	19.385	ug/l	99
96) 1,2,3-Trichlorobenzene	16.28	180	67111	20.578	ug/l	96

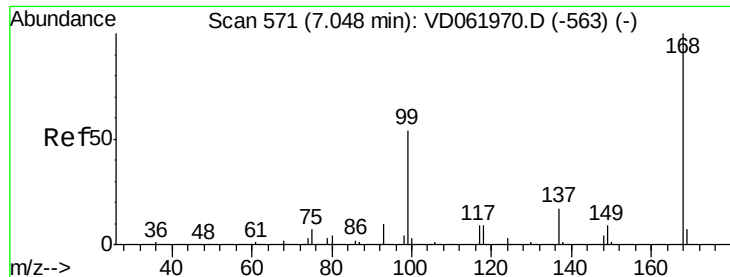
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD042519\  
Data File : VD062032.D  
Acq On    : 25 Apr 2019 12:01  
Operator  : VA/AP  
Sample    : VD0425BSD01  
Misc      : 5.00µl/5ml/MSVOA D/SOIL  
ALS Vial  : 6 Sample Multiplier: 1
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Instrument :
MSVOA_D
ClientSampleId :
VD0425SBSD01

Quant Time: Apr 25 12:27:16 2019
Quant Method : Z:\VQASRV\HPCHEM1\MSVOA_D\METHOD\82D042319S.M
Quant Title : SW846 8260
QLast Update : Tue Apr 23 14:52:55 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.05 min Scan# 572

Delta R.T. -0.00 min

Lab File: VD062032.D

Acq: 25 Apr 2019 12:01

Instrument :

MSVOA_D

ClientSampleId :

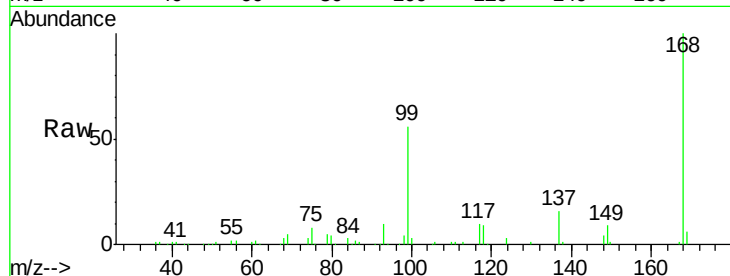
VD0425SBS01

Tot Ion:168 Resp: 627789

Ion Ratio Lower Upper

168 100

99 55.7 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

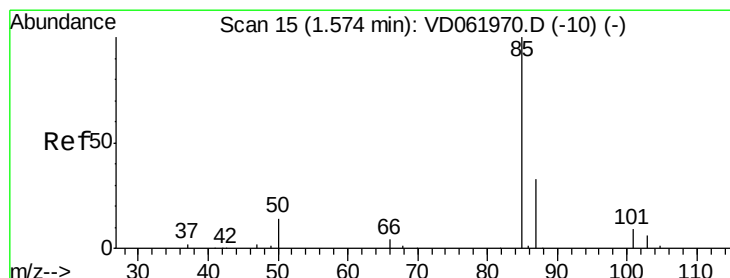
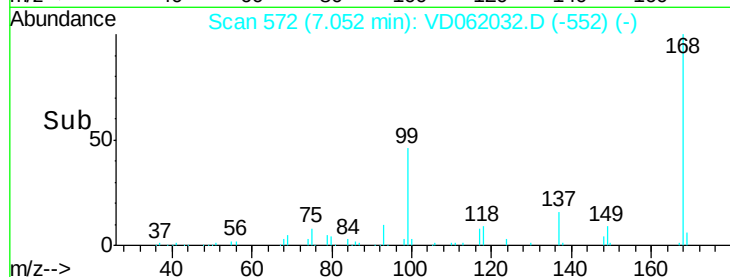
100000

50000

0

6.90 7.00 7.10 7.20

Time-->



#2

Dichlorodifluoromethane

Concen: 17.686 ug/l

RT: 1.58 min Scan# 16

Delta R.T. -0.01 min

Lab File: VD062032.D

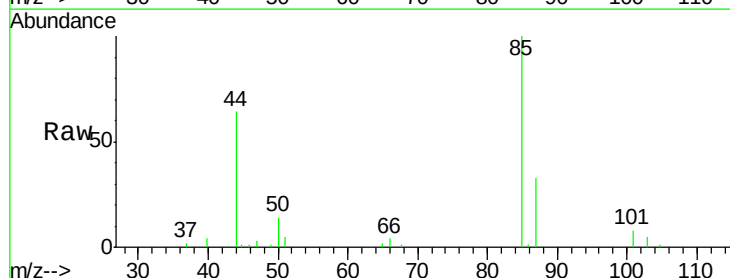
Acq: 25 Apr 2019 12:01

Tgt Ion: 85 Resp: 99140

Ion Ratio Lower Upper

85 100

87 33.4 16.2 48.6



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.58

50000

40000

30000

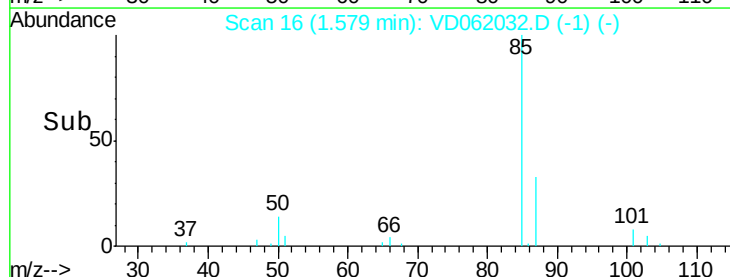
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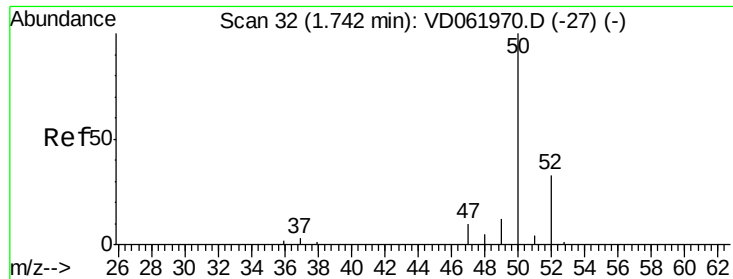
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0

1.50 1.60 1.70 1.80

Time-->

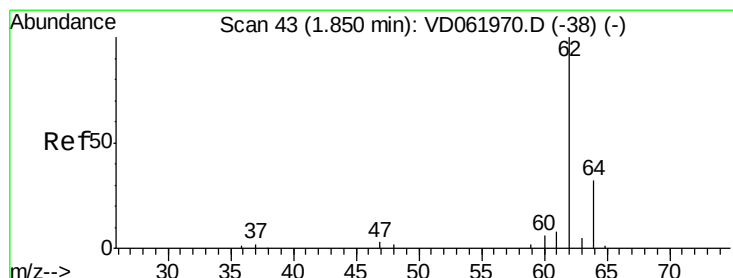
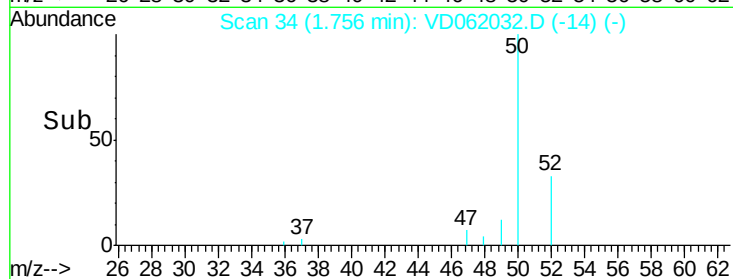
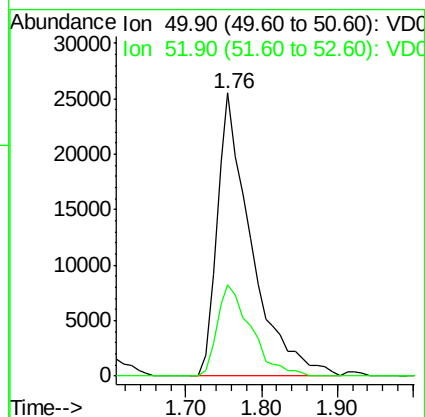
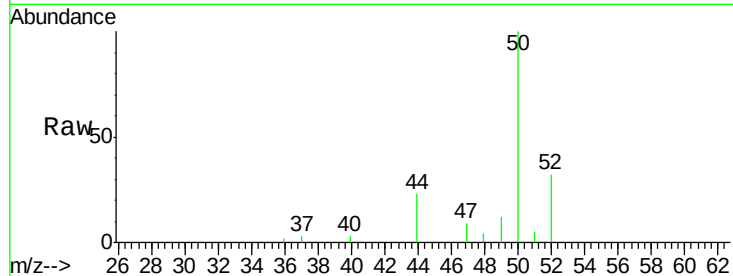




#3
Chloromethane
Concen: 16.734 ug/l
RT: 1.76 min Scan# 34
Delta R.T. -0.00 min
Lab File: VD062032.D
Acq: 25 Apr 2019 12:01

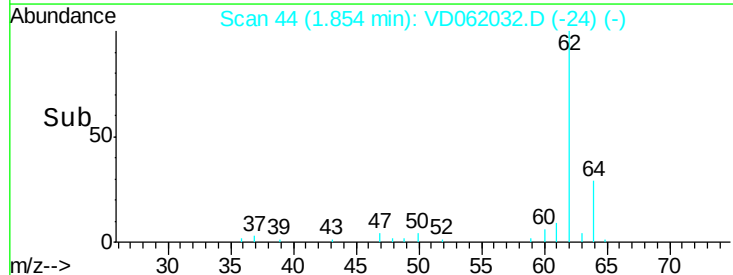
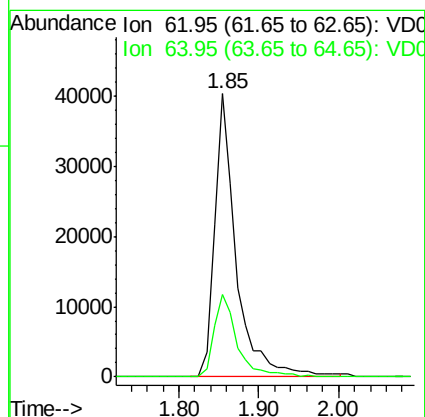
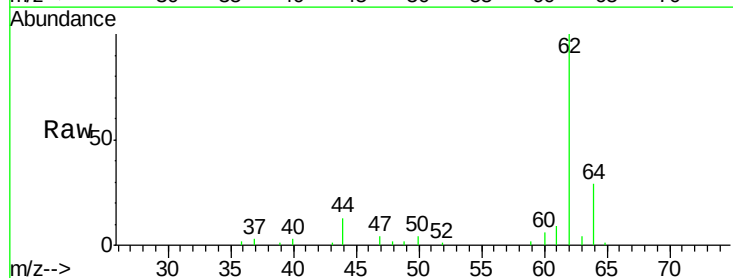
Instrument :
MSVOA_D
ClientSampleId :
VD0425SBS01

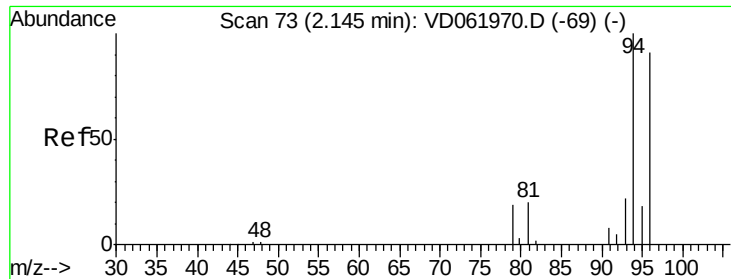
Tot Ion: 50 Resp: 79727
Ion Ratio Lower Upper
50 100
52 32.1 25.2 37.8



#4
Vinyl Chloride
Concen: 17.690 ug/l
RT: 1.85 min Scan# 44
Delta R.T. -0.00 min
Lab File: VD062032.D
Acq: 25 Apr 2019 12:01

Tgt Ion: 62 Resp: 76390
Ion Ratio Lower Upper
62 100
64 29.2 26.5 39.7





#5

Bromomethane

Concen: 13.677 ug/l

RT: 2.15 min Scan# 74

Delta R.T. -0.01 min

Lab File: VD062032.D

Acq: 25 Apr 2019 12:01

Instrument :

MSVOA_D

ClientSampleId :

VD0425SBS01

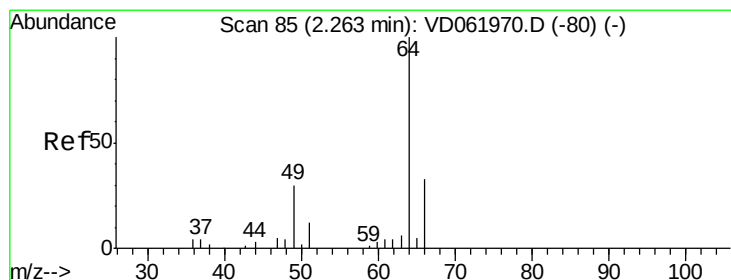
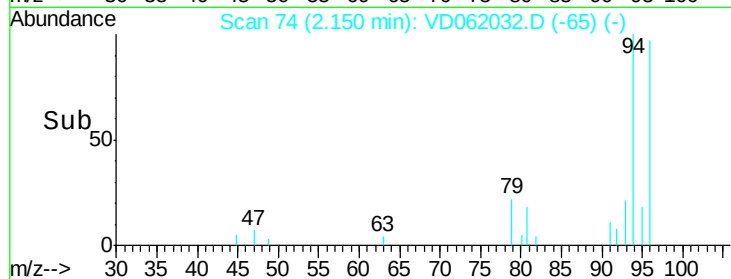
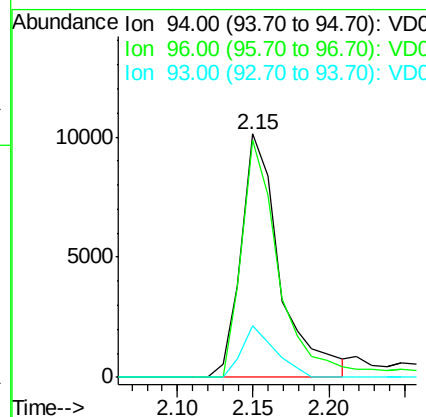
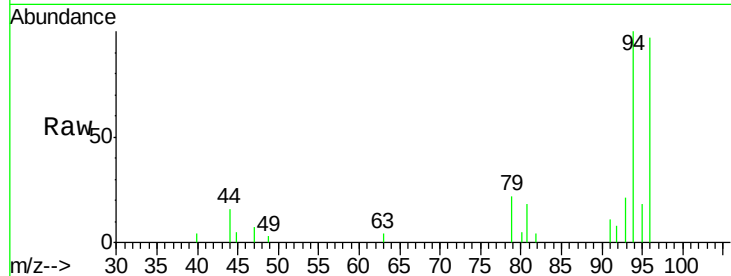
Tot Ion: 94 Resp: 18250

Ion Ratio Lower Upper

94 100

96 97.3 76.6 115.0

93 21.0 18.5 27.7



#6

Chloroethane

Concen: 15.584 ug/l

RT: 2.26 min Scan# 85

Delta R.T. -0.02 min

Lab File: VD062032.D

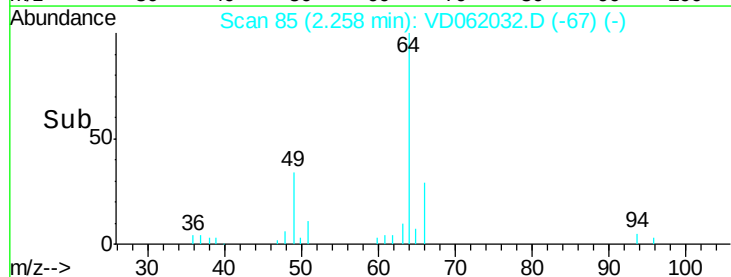
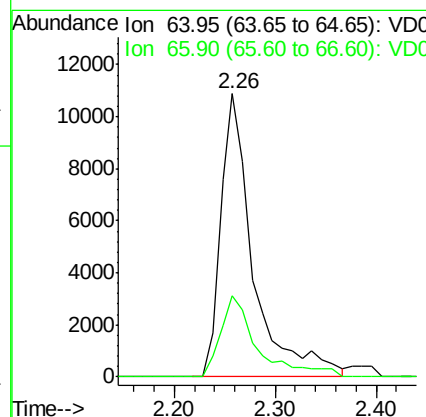
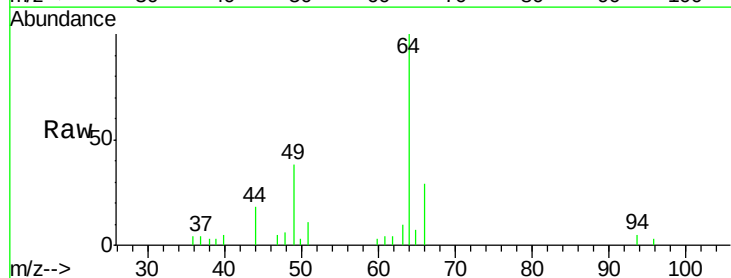
Acq: 25 Apr 2019 12:01

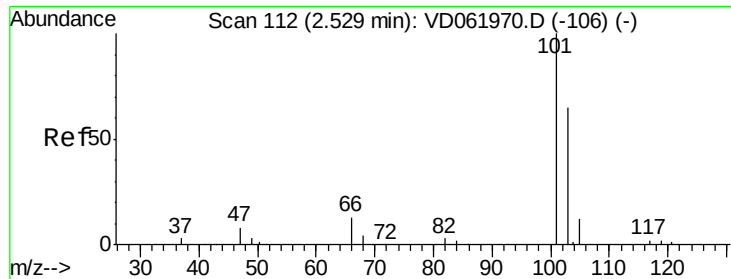
Tgt Ion: 64 Resp: 24327

Ion Ratio Lower Upper

64 100

66 28.6 25.6 38.4



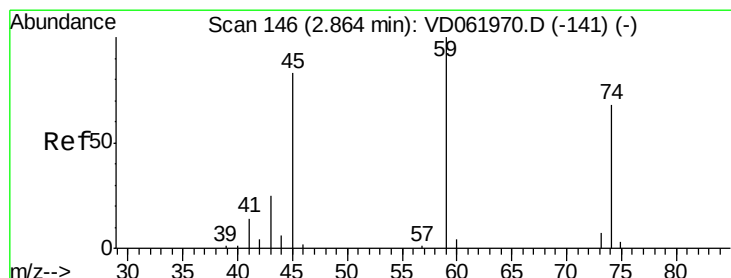
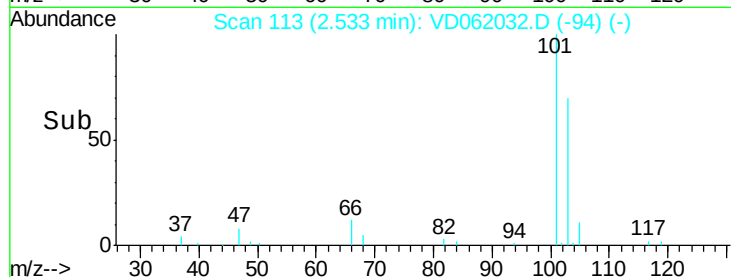
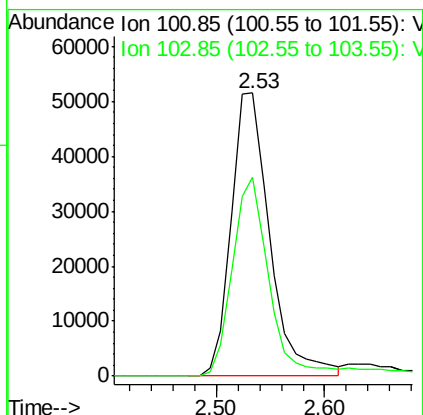
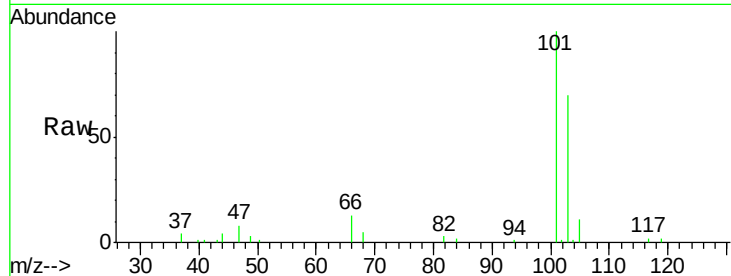


#7

Trichlorofluoromethane
 Concen: 19.618 ug/l
 RT: 2.53 min Scan# 113
 Delta R.T. -0.01 min
 Lab File: VD062032.D
 Acq: 25 Apr 2019 12:01

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0425SBSD01

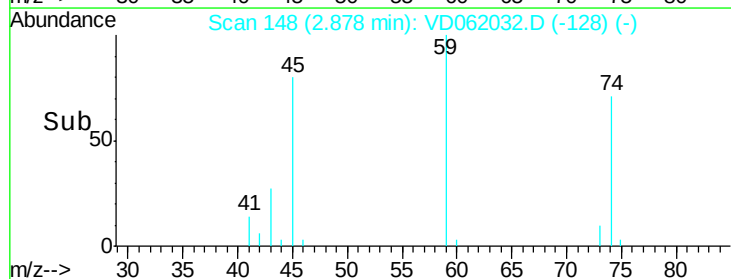
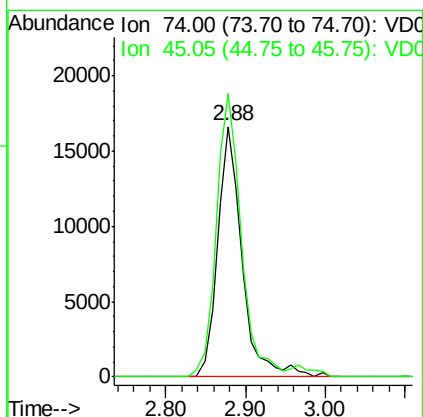
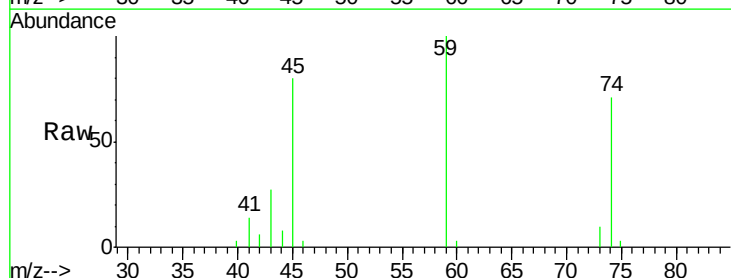
Tot Ion:101 Resp: 128093
 Ion Ratio Lower Upper
 101 100
 103 70.4 53.6 80.4

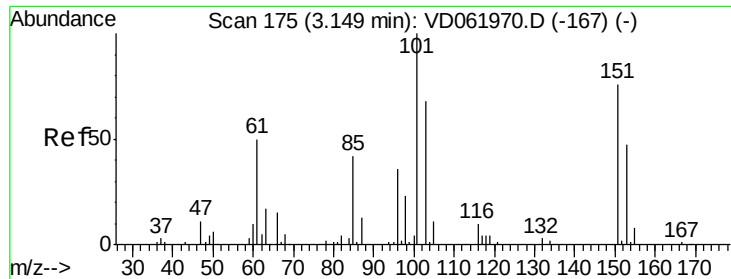


#8

Diethyl Ether
 Concen: 20.521 ug/l
 RT: 2.88 min Scan# 148
 Delta R.T. -0.00 min
 Lab File: VD062032.D
 Acq: 25 Apr 2019 12:01

Tgt Ion: 74 Resp: 35911
 Ion Ratio Lower Upper
 74 100
 45 113.0 56.9 170.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.928 ug/l

RT: 3.15 min Scan# 176

Delta R.T. -0.01 min

Lab File: VD062032.D

Acq: 25 Apr 2019 12:01

Instrument :

MSVOA_D

ClientSampleId :

VD0425SBS01

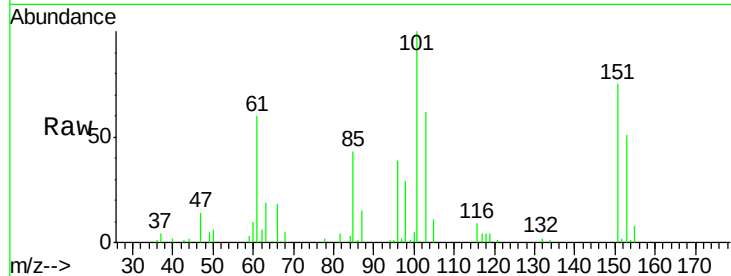
Tot Ion:101 Resp: 119863

Ion Ratio Lower Upper

101 100

85 42.5 32.4 48.6

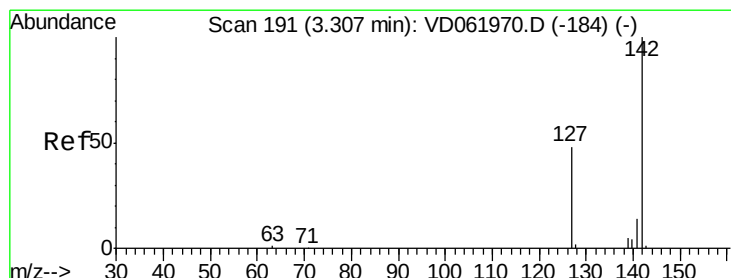
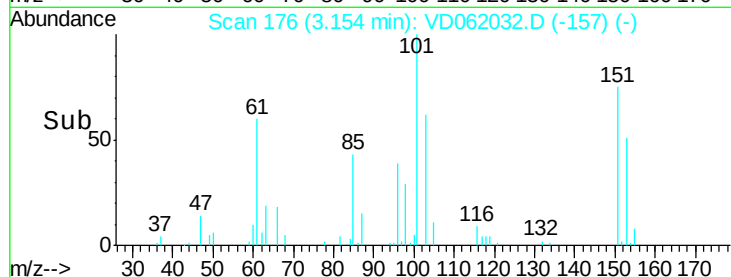
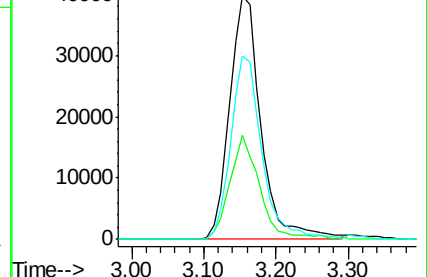
151 75.5 59.4 89.0



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: 19.117 ug/l

RT: 3.31 min Scan# 192

Delta R.T. -0.01 min

Lab File: VD062032.D

Acq: 25 Apr 2019 12:01

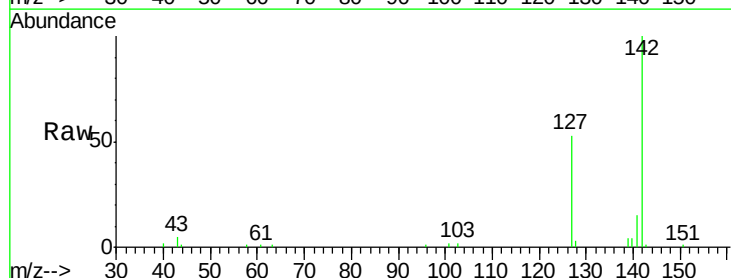
Tgt Ion:142 Resp: 140709

Ion Ratio Lower Upper

142 100

127 53.1 38.8 58.2

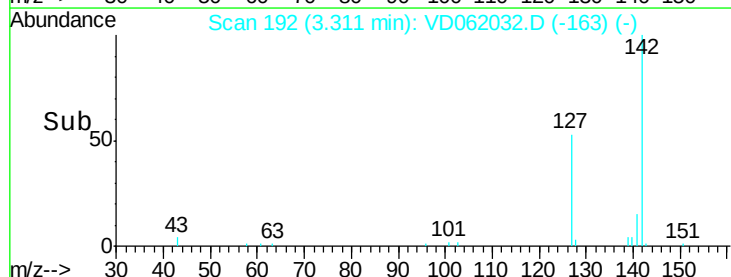
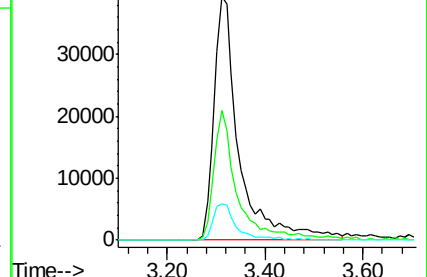
141 14.8 11.4 17.0

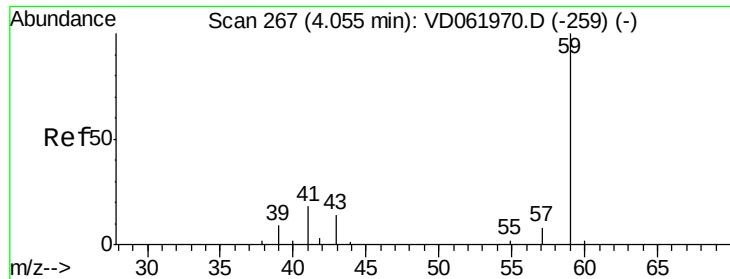


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



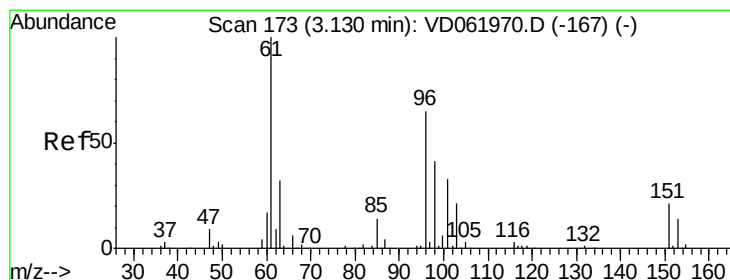
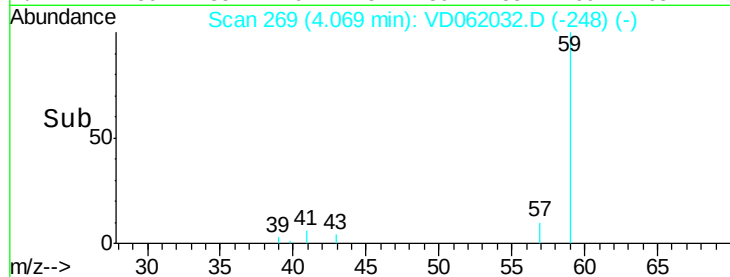
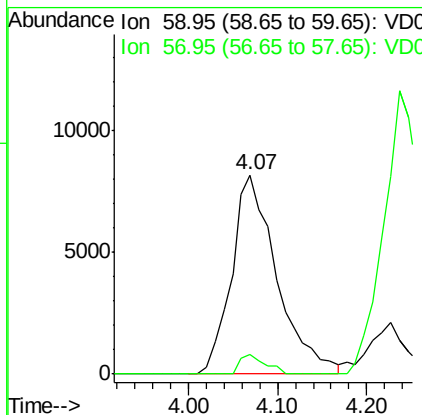
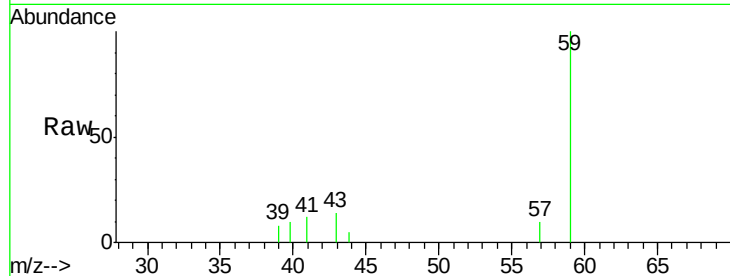


#11

Tert butyl alcohol
 Concen: 104.106 ug/l
 RT: 4.07 min Scan# 269
 Delta R.T. 0.01 min
 Lab File: VD062032.D
 Acq: 25 Apr 2019 12:01

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0425SBSD01

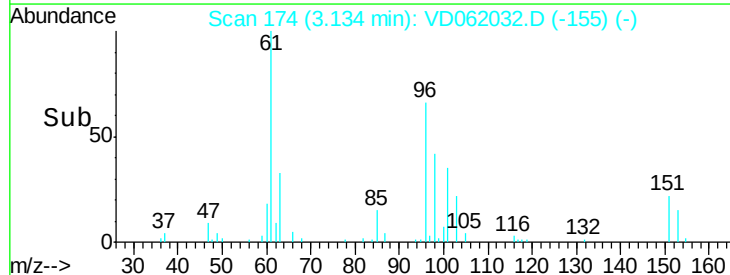
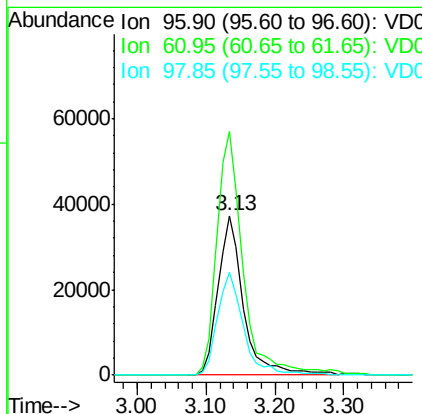
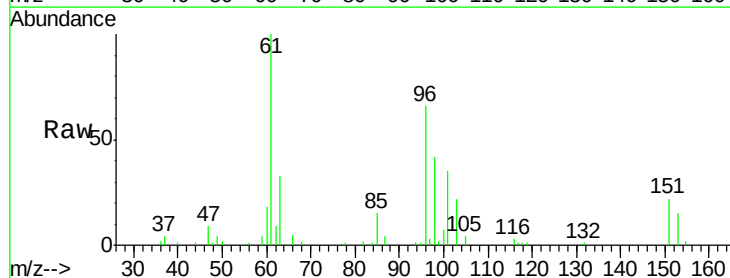
Tot Ion: 59 Resp: 28901
 Ion Ratio Lower Upper
 59 100
 57 9.9 6.9 10.3

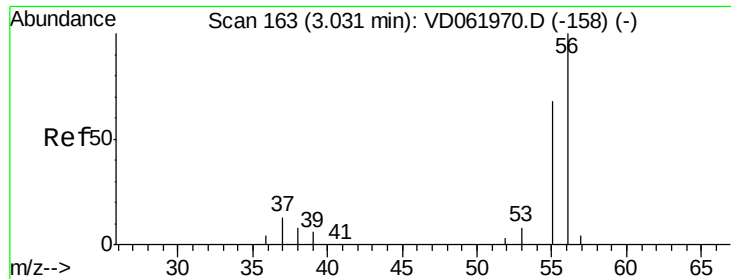


#12

1,1-Dichloroethene
 Concen: 18.581 ug/l
 RT: 3.13 min Scan# 174
 Delta R.T. -0.01 min
 Lab File: VD062032.D
 Acq: 25 Apr 2019 12:01

Tgt Ion: 96 Resp: 95082
 Ion Ratio Lower Upper
 96 100
 61 152.5 129.8 194.8
 98 64.2 51.2 76.8

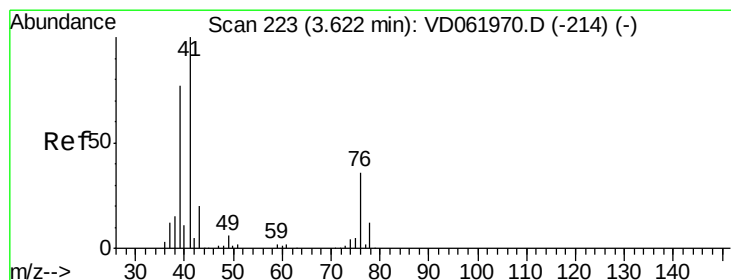
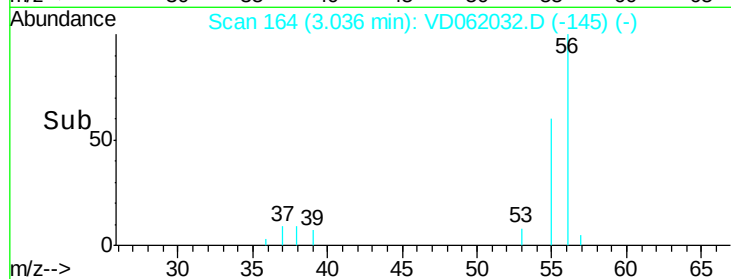
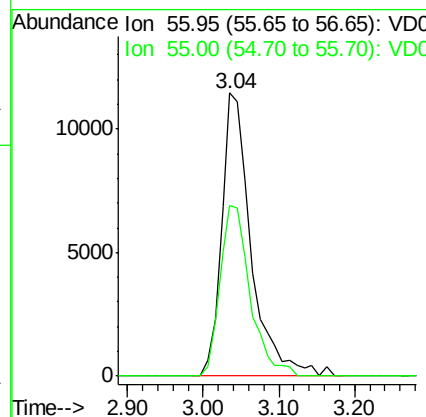
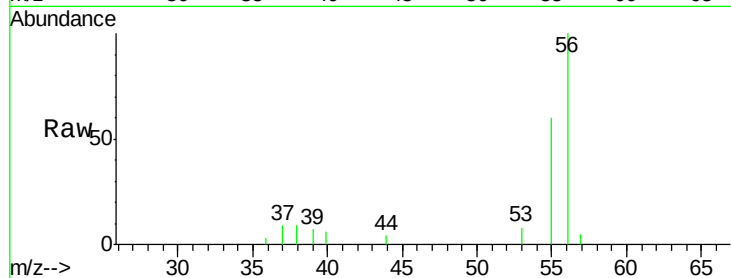




#13
Acrolein
Concen: 107.686 ug/l
RT: 3.04 min Scan# 164
Delta R.T. -0.01 min
Lab File: VD062032.D
Acq: 25 Apr 2019 12:01

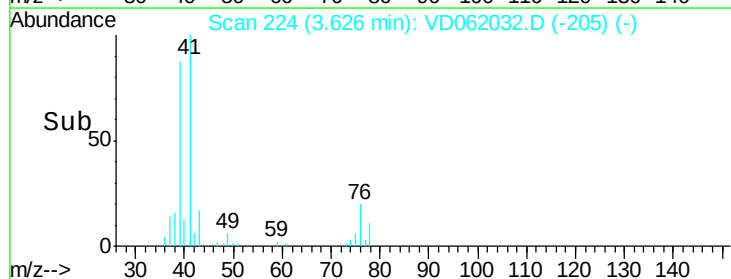
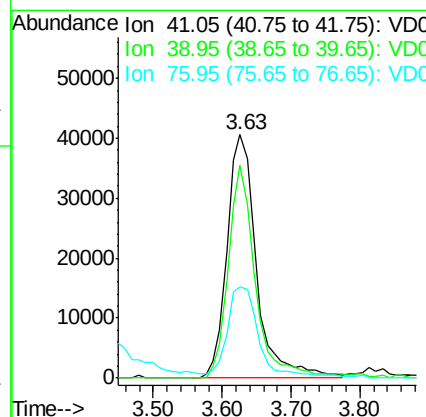
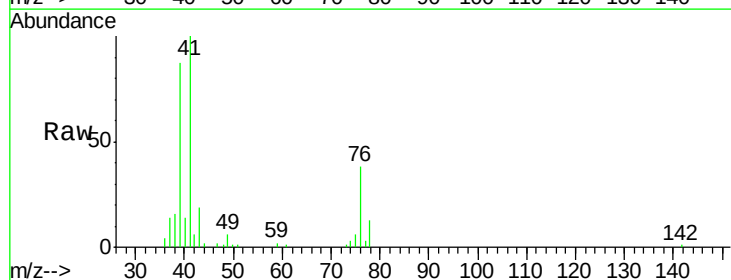
Instrument :
MSVOA_D
ClientSampleId :
VD0425SBS01

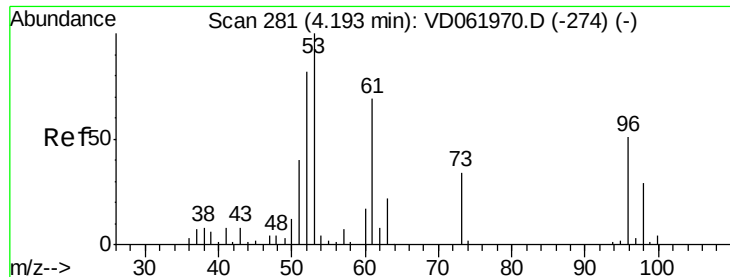
Tot Ion: 56 Resp: 31018
Ion Ratio Lower Upper
56 100
55 60.5 51.4 77.2



#14
Allyl chloride
Concen: 17.308 ug/l
RT: 3.63 min Scan# 224
Delta R.T. -0.01 min
Lab File: VD062032.D
Acq: 25 Apr 2019 12:01

Tgt Ion: 41 Resp: 120937
Ion Ratio Lower Upper
41 100
39 87.3 60.5 90.7
76 37.7 31.8 47.8





#15

Acrylonitrile

Concen: 100.924 ug/l

RT: 4.20 min Scan# 282

Delta R.T. -0.01 min

Lab File: VD062032.D

Acq: 25 Apr 2019 12:01

Instrument :

MSVOA_D

ClientSampleId :

VD0425SBS01

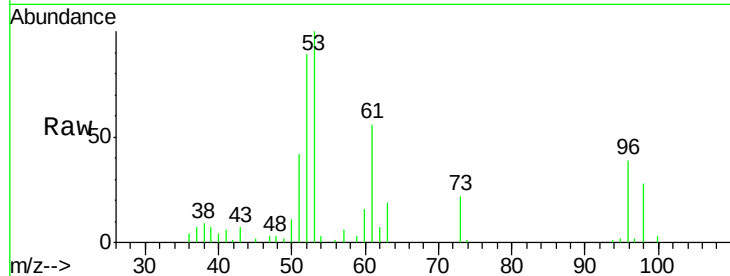
Tot Ion: 53 Resp: 86758

Ion Ratio Lower Upper

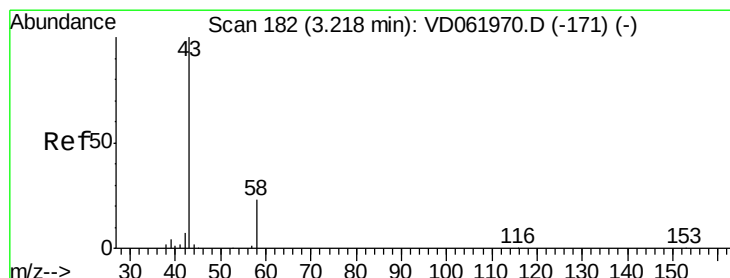
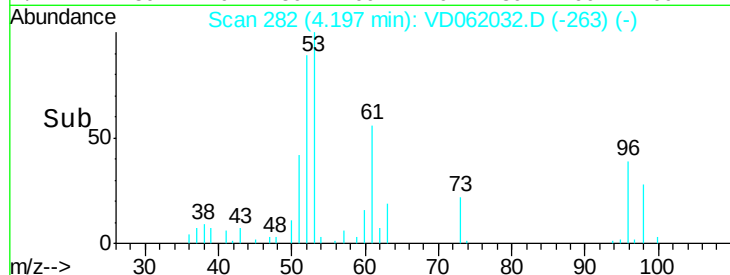
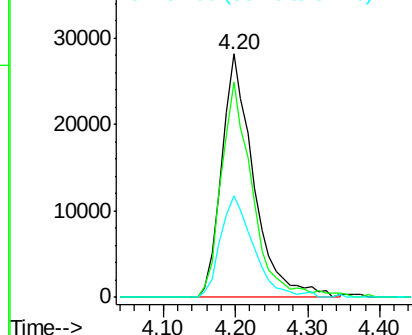
53 100

52 88.6 65.0 97.4

51 41.7 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: 92.051 ug/l

RT: 3.22 min Scan# 183

Delta R.T. -0.00 min

Lab File: VD062032.D

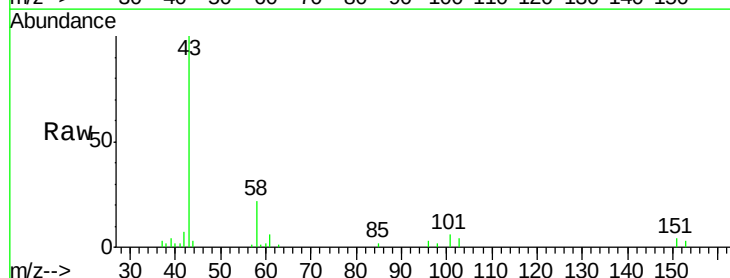
Acq: 25 Apr 2019 12:01

Tgt Ion: 43 Resp: 107992

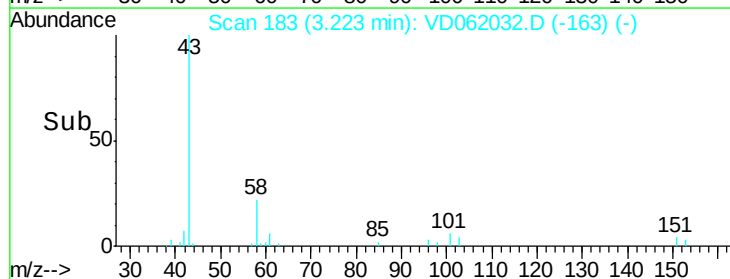
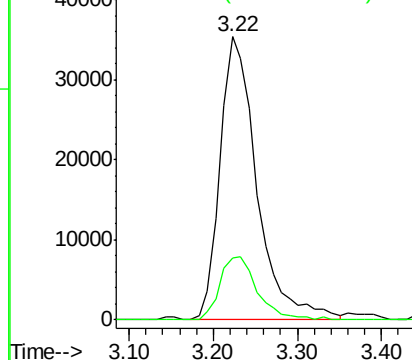
Ion Ratio Lower Upper

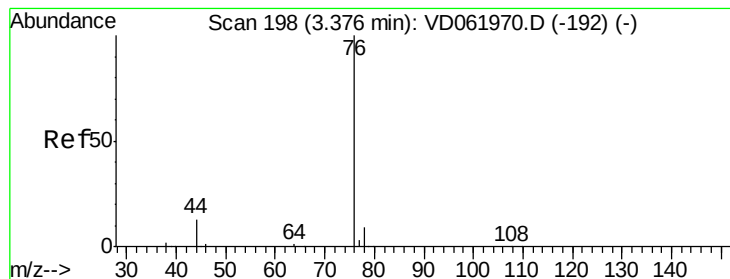
43 100

58 21.9 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: 17.061 ug/l

RT: 3.38 min Scan# 199

Delta R.T. -0.01 min

Lab File: VD062032.D

Acq: 25 Apr 2019 12:01

Instrument :

MSVOA_D

ClientSampleId :

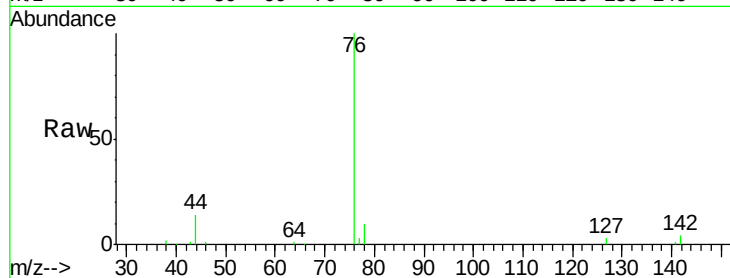
VD0425SBS01

Tot Ion: 76 Resp: 252277

Ion Ratio Lower Upper

76 100

78 9.8 7.2 10.8



Abundance Ion 75.85 (75.55 to 76.55): VDC

Ion 77.85 (77.55 to 78.55): VDC

120000

100000

80000

60000

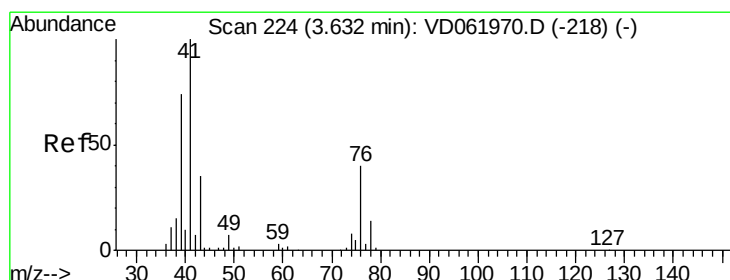
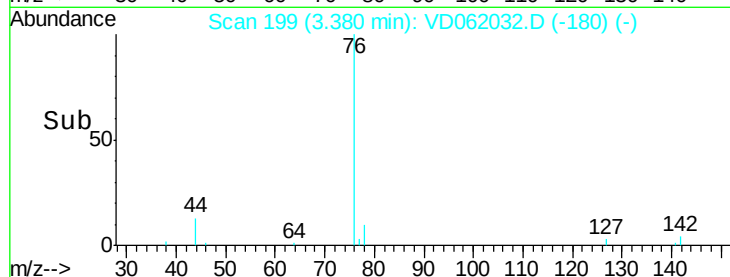
40000

20000

0

3.30 3.40 3.50 3.60

Time-->



#18

Methyl Acetate

Concen: 20.608 ug/l

RT: 3.65 min Scan# 226

Delta R.T. -0.00 min

Lab File: VD062032.D

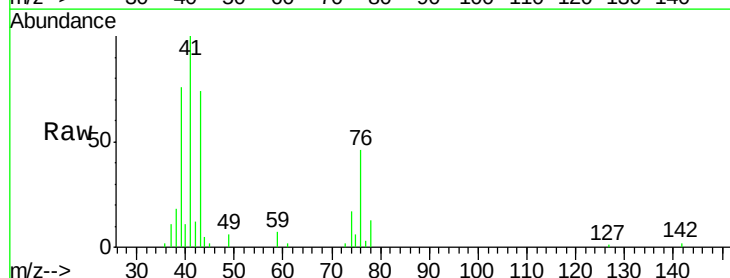
Acq: 25 Apr 2019 12:01

Tgt Ion: 43 Resp: 46551

Ion Ratio Lower Upper

43 100

74 23.1 18.0 27.0



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC

20000

15000

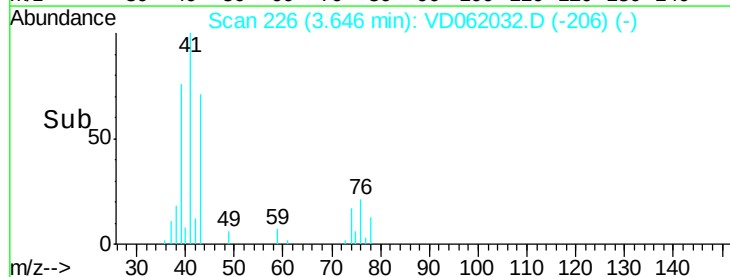
10000

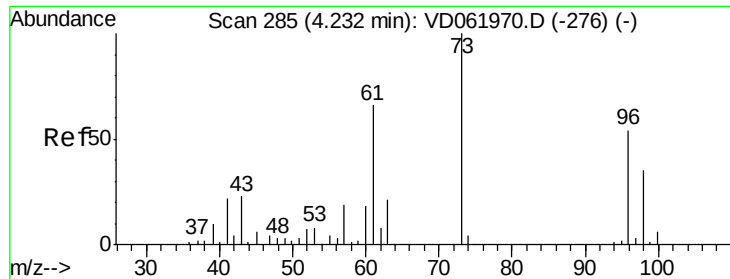
5000

0

3.50 3.60 3.70 3.80

Time-->

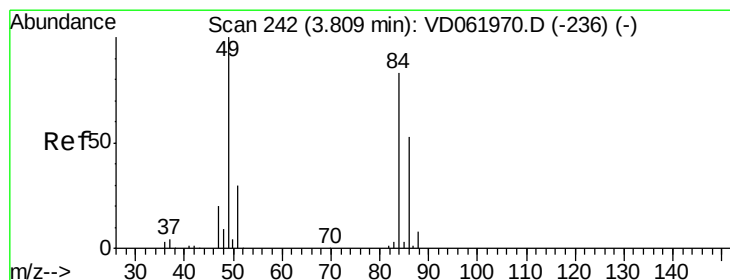
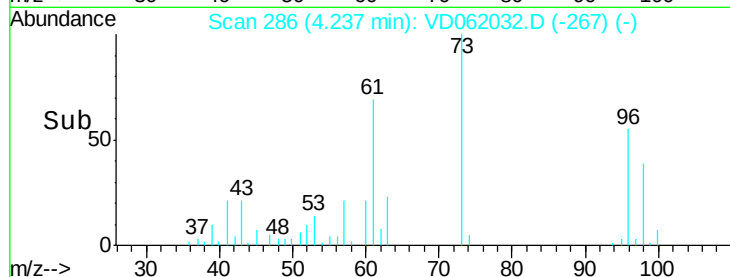
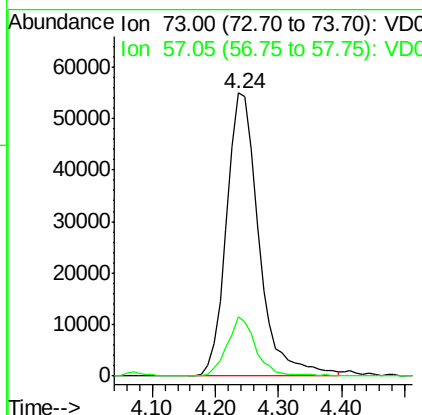
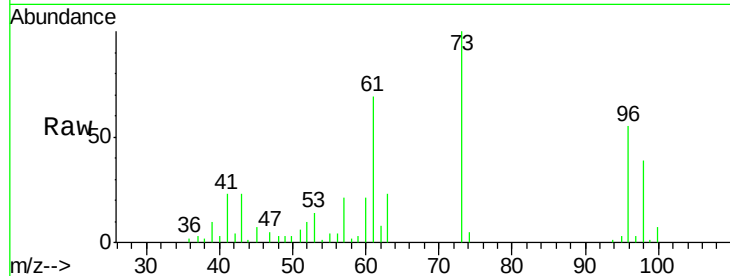




#19
Methyl tert-butyl Ether
Concen: 19.271 ug/l
RT: 4.24 min Scan# 286
Delta R.T. -0.01 min
Lab File: VD062032.D
Acq: 25 Apr 2019 12:01

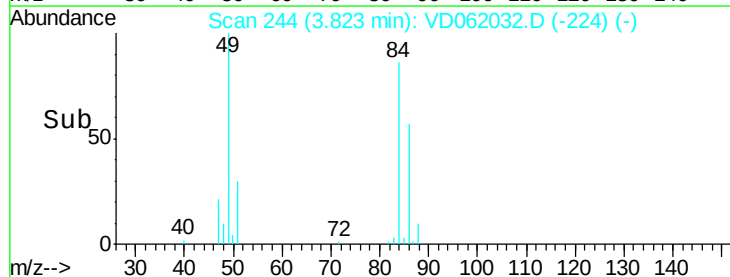
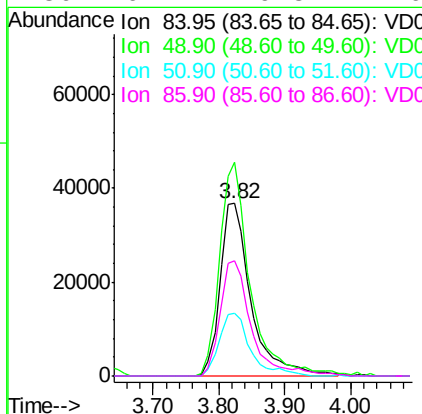
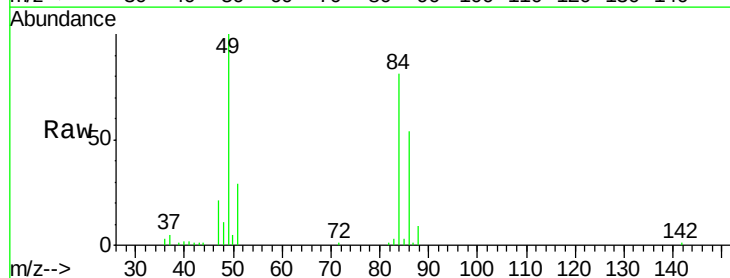
Instrument :
MSVOA_D
ClientSampleId :
VD0425SBS01

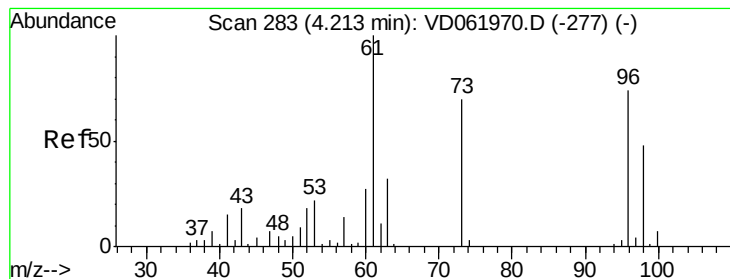
Tot Ion: 73 Resp: 195661
Ion Ratio Lower Upper
73 100
57 21.1 16.3 24.5



#20
Methylene Chloride
Concen: 19.195 ug/l
RT: 3.82 min Scan# 244
Delta R.T. 0.00 min
Lab File: VD062032.D
Acq: 25 Apr 2019 12:01

Tgt Ion: 84 Resp: 120850
Ion Ratio Lower Upper
84 100
49 123.8 94.0 141.0
51 36.5 29.0 43.4
86 67.1 49.8 74.6





#21

trans-1,2-Dichloroethene

Concen: 18.661 ug/l

RT: 4.23 min Scan# 285

Delta R.T. -0.00 min

Lab File: VD062032.D

Acq: 25 Apr 2019 12:01

Instrument :

MSVOA_D

ClientSampleId :

VD0425SBS01

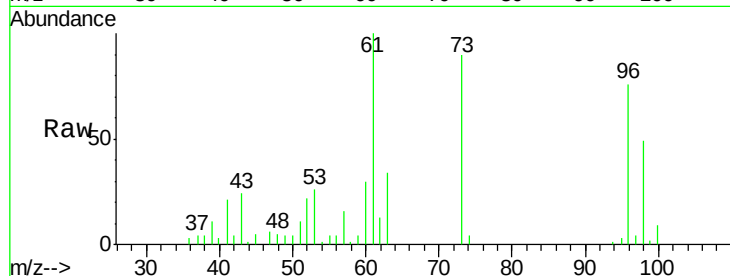
Tot Ion: 96 Resp: 109545

Ion Ratio Lower Upper

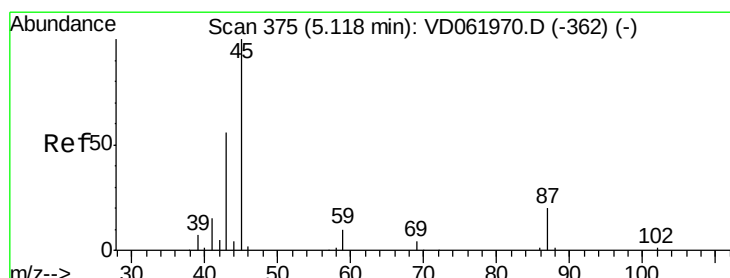
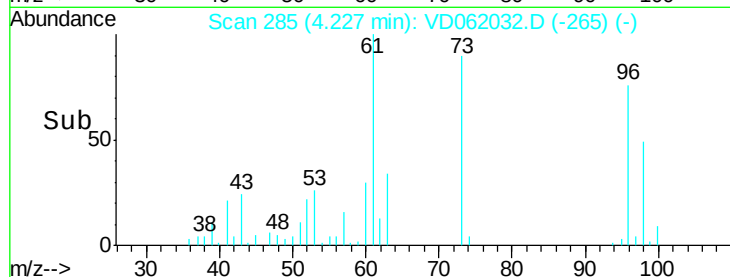
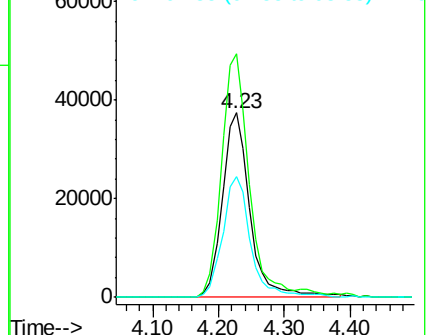
96 100

61 132.1 104.4 156.6

98 65.2 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: 19.962 ug/l

RT: 5.12 min Scan# 376

Delta R.T. -0.00 min

Lab File: VD062032.D

Acq: 25 Apr 2019 12:01

Tgt Ion: 45 Resp: 325659

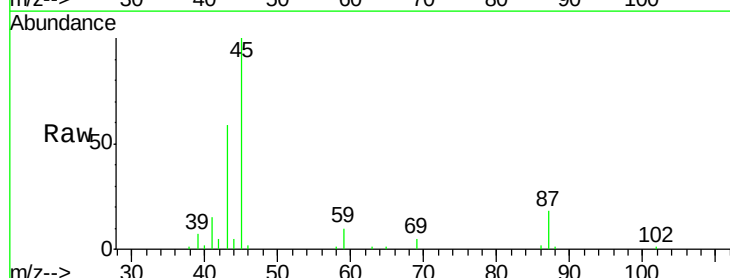
Ion Ratio Lower Upper

45 100

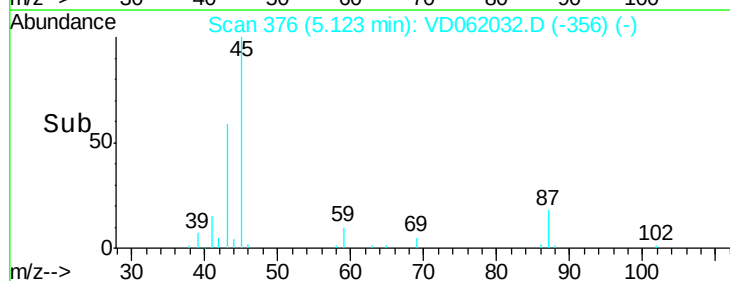
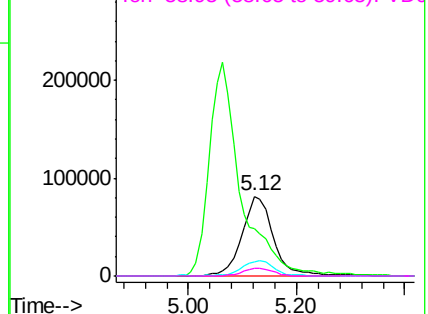
43 58.8 46.2 69.2

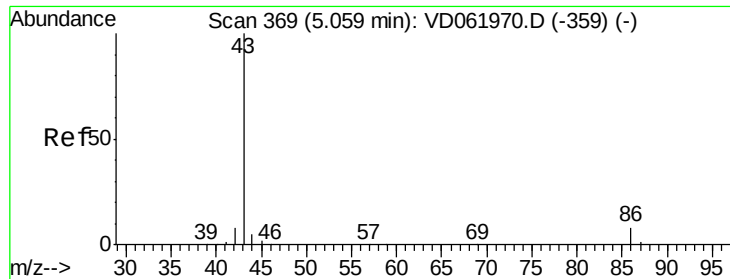
87 18.5 15.9 23.9

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: 102.746 ug/l

RT: 5.06 min Scan# 370

Delta R.T. -0.00 min

Lab File: VD062032.D

Acq: 25 Apr 2019 12:01

Instrument :

MSVOA_D

ClientSampleId :

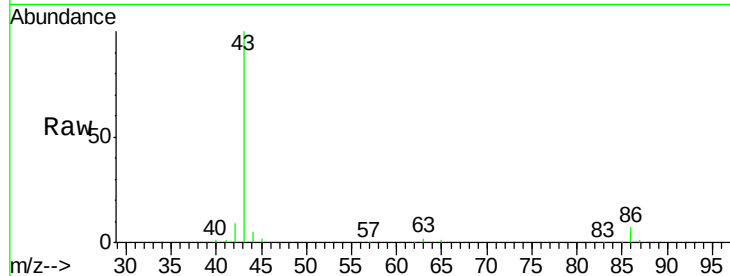
VD0425SBS01

Tot Ion: 43 Resp: 872894

Ion Ratio Lower Upper

43 100

86 7.5 6.4 9.6



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC

250000

200000

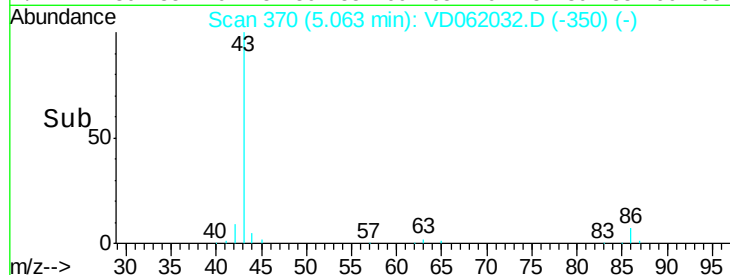
150000

100000

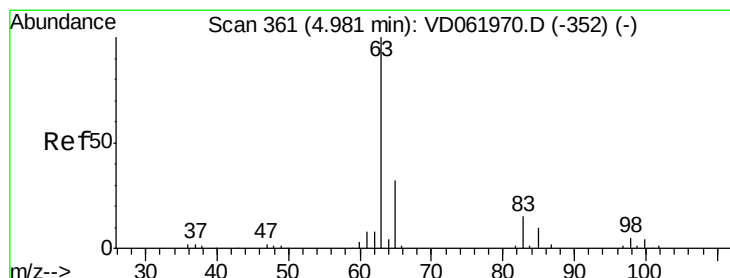
50000

0

Time-->



Time-->



#24

1,1-Dichloroethane

Concen: 19.682 ug/l

RT: 4.99 min Scan# 363

Delta R.T. -0.00 min

Lab File: VD062032.D

Acq: 25 Apr 2019 12:01

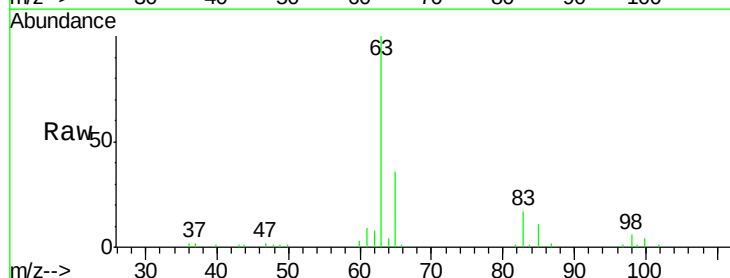
Tgt Ion: 63 Resp: 194066

Ion Ratio Lower Upper

63 100

98 6.2 2.8 8.4

100 3.8 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

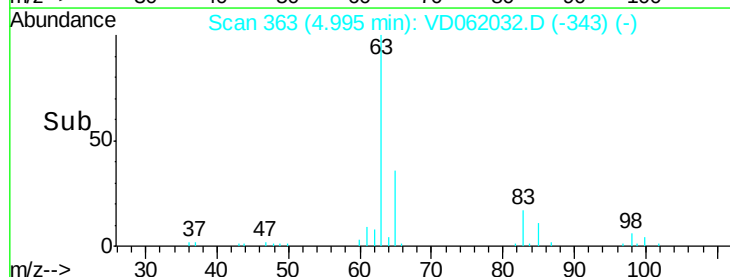
60000

40000

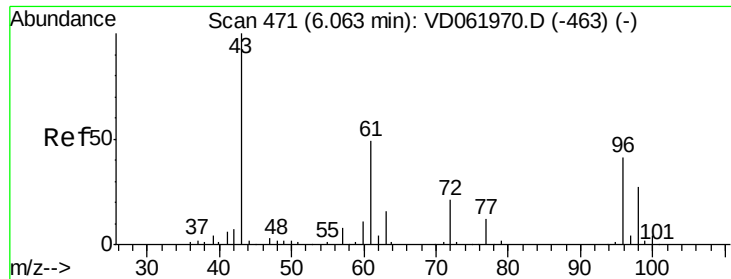
20000

0

Time-->



Time-->



#25

2-Butanone

Concen: 101.757 ug/l

RT: 6.08 min Scan# 473

Delta R.T. -0.00 min

Lab File: VD062032.D

Acq: 25 Apr 2019 12:01

Instrument :

MSVOA_D

ClientSampleId :

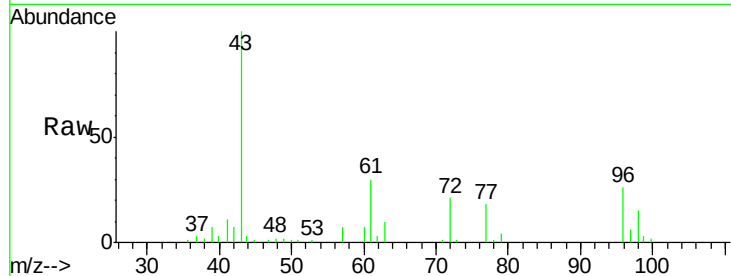
VD0425SBSD01

Tot Ion: 43 Resp: 144738

Ion Ratio Lower Upper

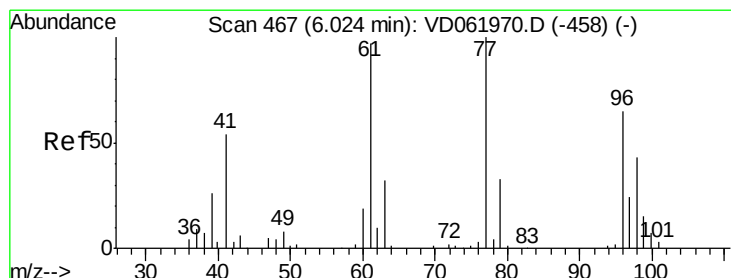
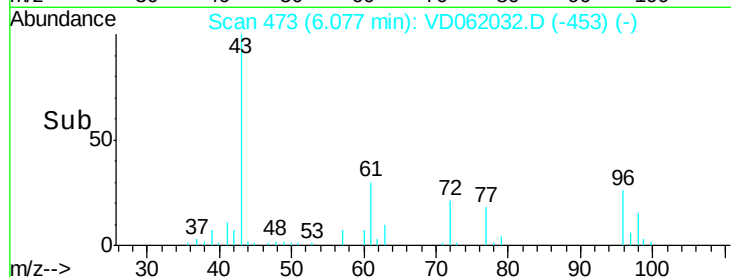
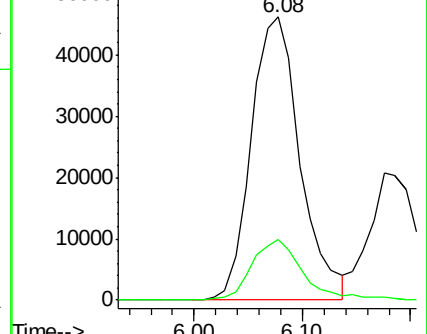
43 100

72 21.3 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: 21.338 ug/l

RT: 6.03 min Scan# 468

Delta R.T. -0.00 min

Lab File: VD062032.D

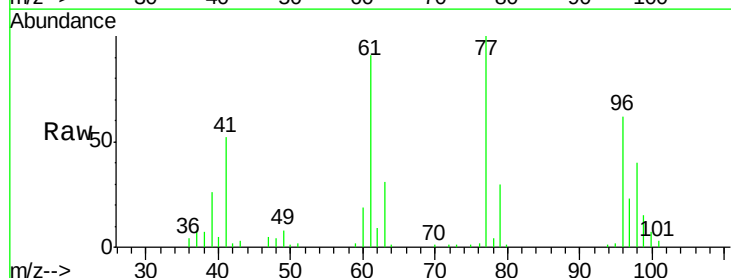
Acq: 25 Apr 2019 12:01

Tgt Ion: 77 Resp: 183546

Ion Ratio Lower Upper

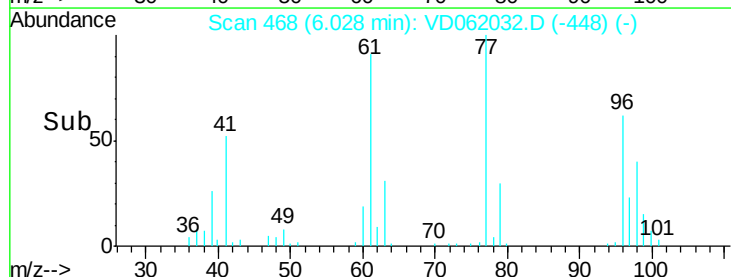
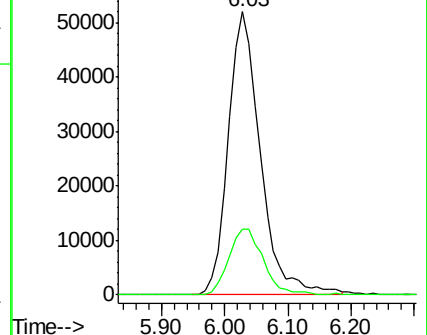
77 100

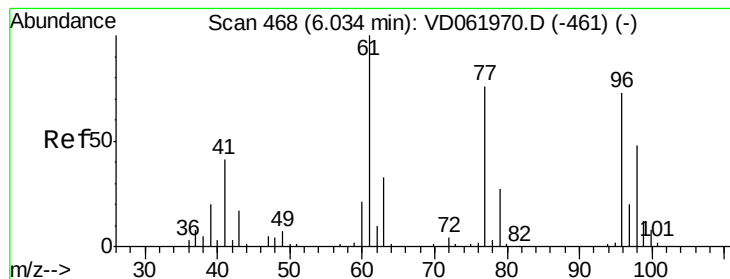
97 23.2 11.9 35.9



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



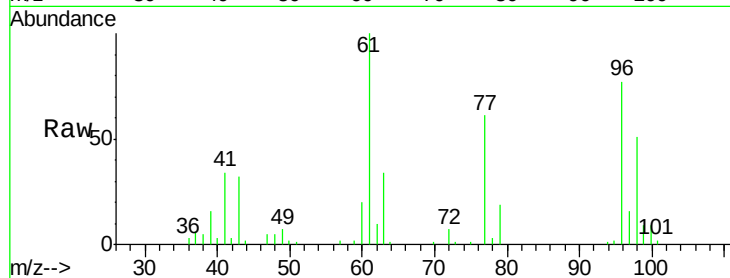


#27

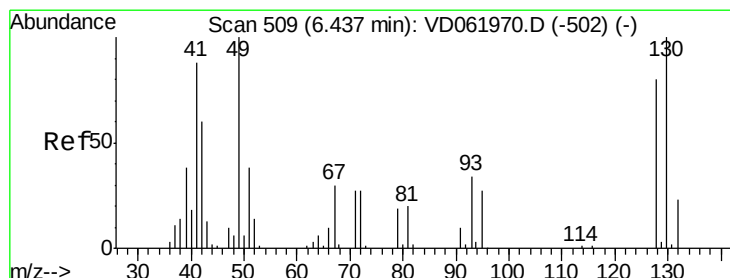
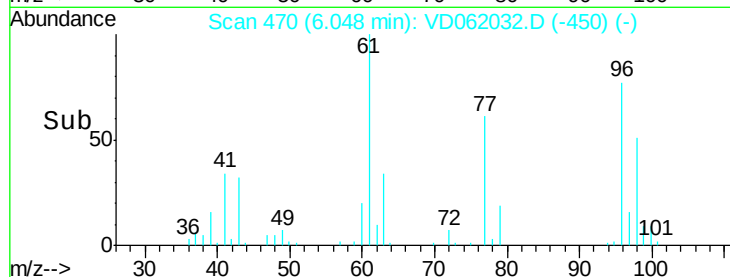
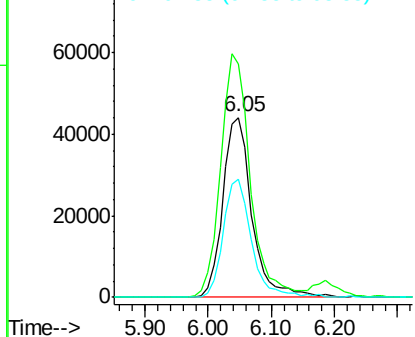
cis-1,2-Dichloroethene
 Concen: 21.076 ug/l
 RT: 6.05 min Scan# 470
 Delta R.T. -0.00 min
 Lab File: VD062032.D
 Acq: 25 Apr 2019 12:01

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0425SBSD01

Tot Ion: 96 Resp: 140752
 Ion Ratio Lower Upper
 96 100
 61 129.7 0.0 279.8
 98 65.7 0.0 136.0



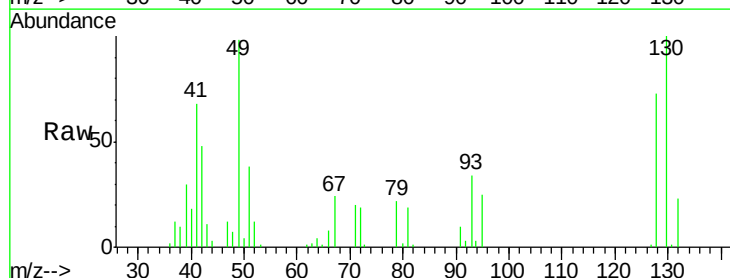
Abundance Ion 95.90 (95.60 to 96.60): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 97.85 (97.55 to 98.55): VDC



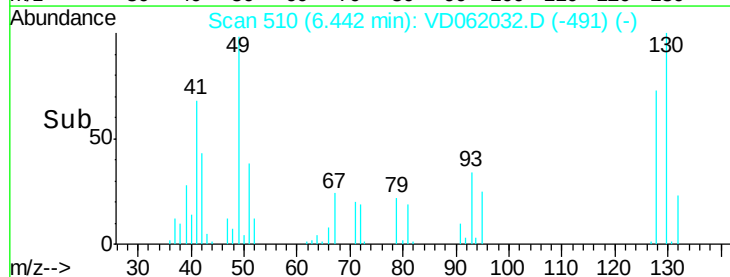
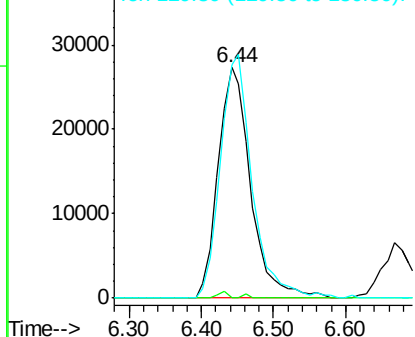
#28

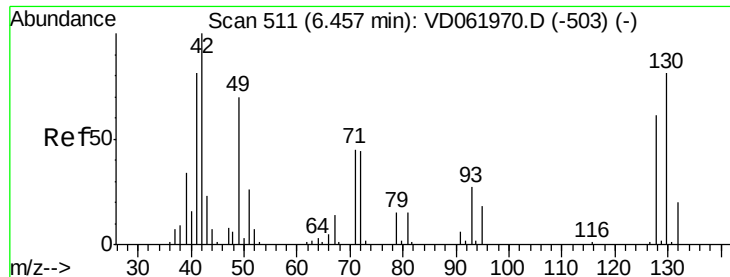
Bromochloromethane
 Concen: 22.468 ug/l
 RT: 6.44 min Scan# 510
 Delta R.T. -0.01 min
 Lab File: VD062032.D
 Acq: 25 Apr 2019 12:01

Tgt Ion: 49 Resp: 84767
 Ion Ratio Lower Upper
 49 100
 129 0.0 0.0 6.6
 130 101.5 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: 101.542 ug/l

RT: 6.46 min Scan# 512

Delta R.T. -0.00 min

Lab File: VD062032.D

Acq: 25 Apr 2019 12:01

Instrument :

MSVOA_D

ClientSampleId :

VD0425SBS01

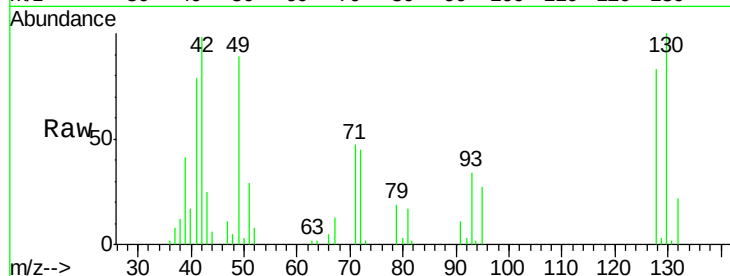
Tot Ion: 42 Resp: 71166

Ion Ratio Lower Upper

42 100

72 45.8 37.8 56.6

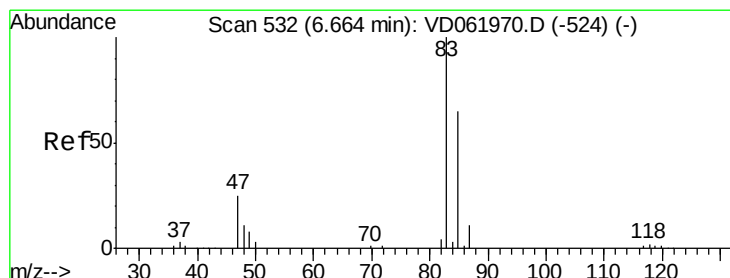
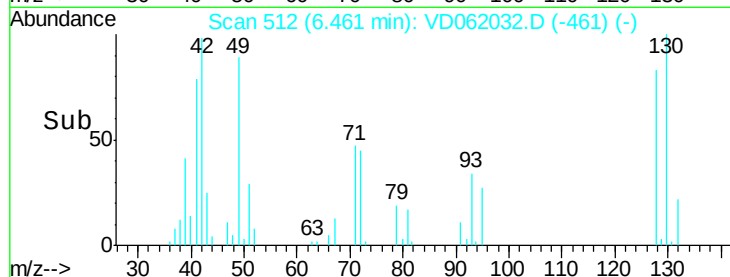
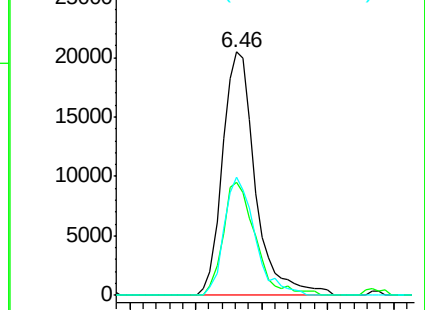
71 45.8 36.7 55.1



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: 20.204 ug/l

RT: 6.67 min Scan# 533

Delta R.T. -0.01 min

Lab File: VD062032.D

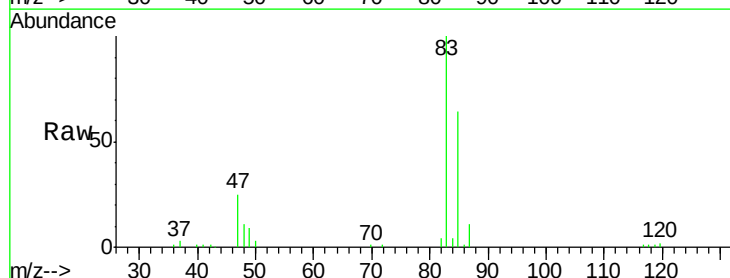
Acq: 25 Apr 2019 12:01

Tgt Ion: 83 Resp: 226277

Ion Ratio Lower Upper

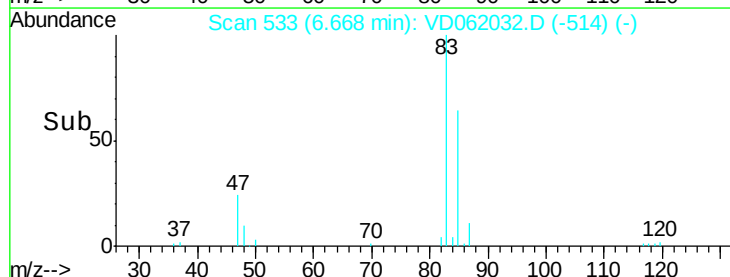
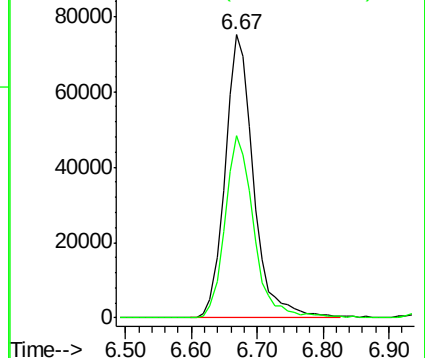
83 100

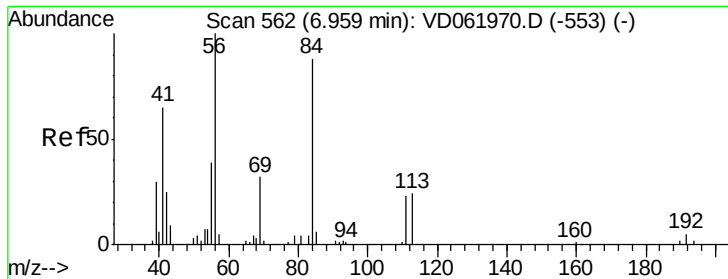
85 64.5 51.7 77.5



Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 84.95 (84.65 to 85.65): VDC

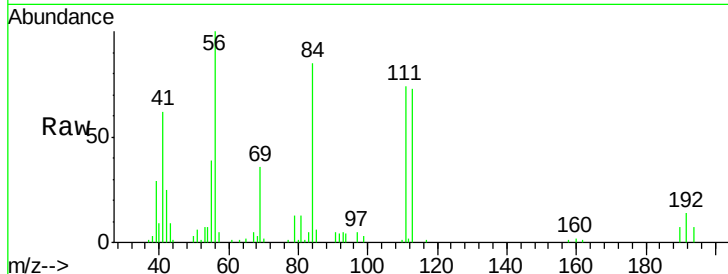




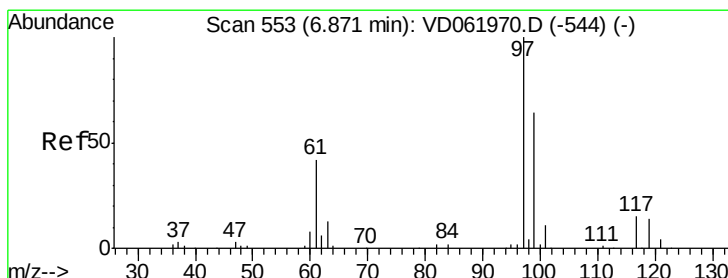
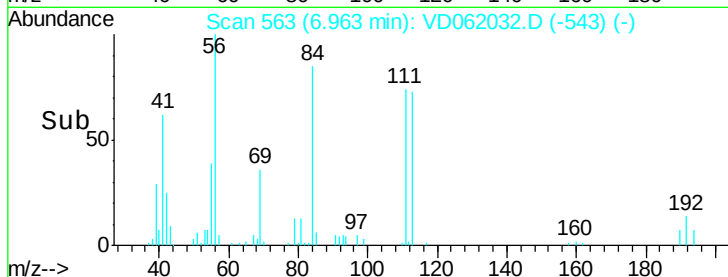
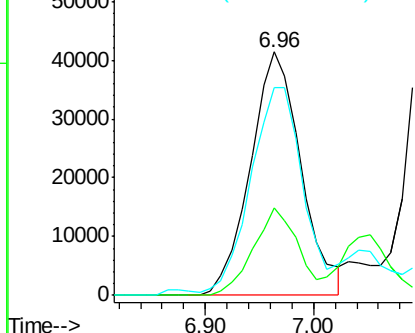
#31
Cyclohexane
Concen: 18.398 ug/l
RT: 6.96 min Scan# 563
Delta R.T. -0.00 min
Lab File: VD062032.D
Acq: 25 Apr 2019 12:01

Instrument :
MSVOA_D
ClientSampleId :
VD0425SBSD01

Tot Ion: 56 Resp: 134654
Ion Ratio Lower Upper
56 100
69 35.8 25.8 38.6
84 85.2 72.2 108.4

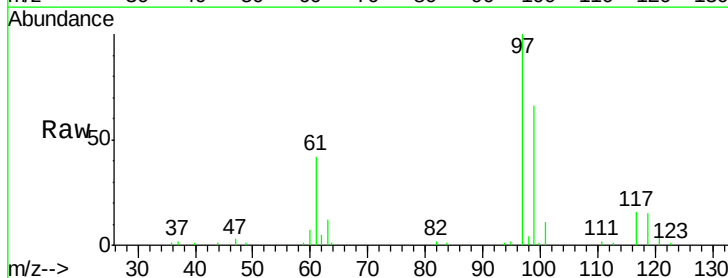


Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.05 (83.75 to 84.75): VDC

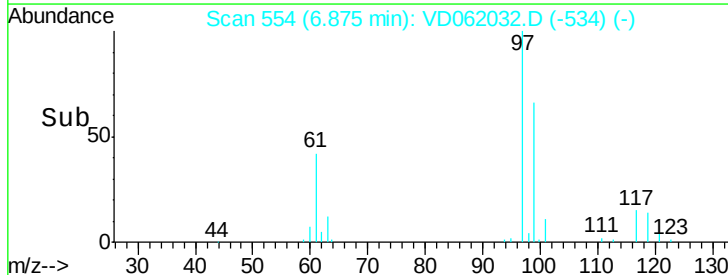
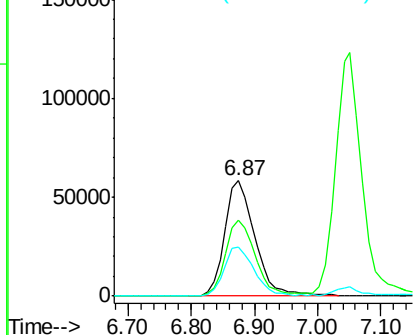


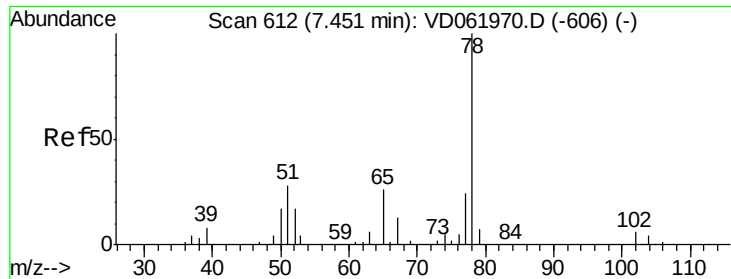
#32
1,1,1-Trichloroethane
Concen: 19.937 ug/l
RT: 6.87 min Scan# 554
Delta R.T. -0.00 min
Lab File: VD062032.D
Acq: 25 Apr 2019 12:01

Tgt Ion: 97 Resp: 194274
Ion Ratio Lower Upper
97 100
99 65.7 52.2 78.2
61 42.4 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

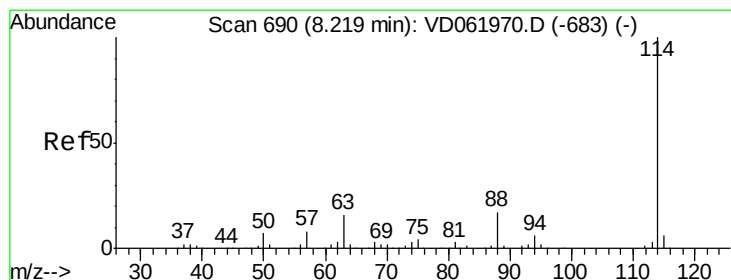
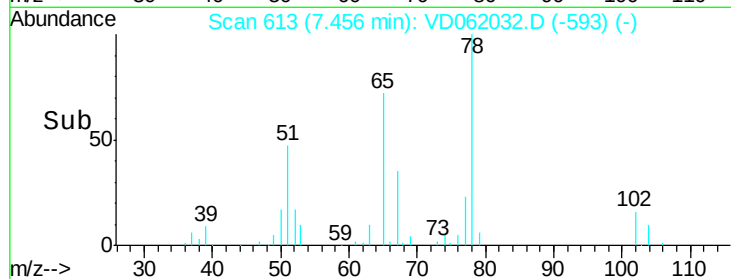
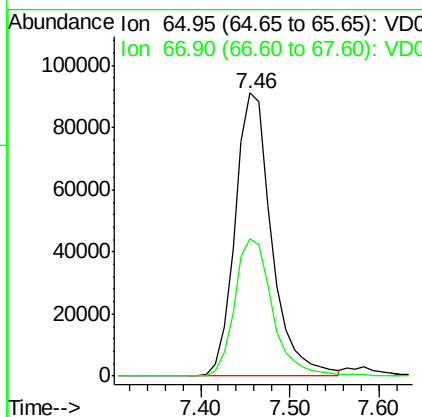
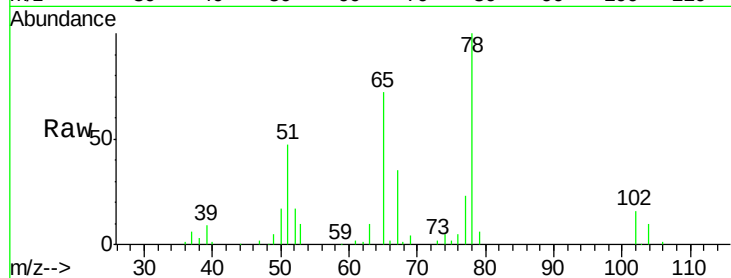




#33
 1,2-Dichloroethane-d4
 Concen: 52.955 ug/l
 RT: 7.46 min Scan# 613
 Delta R.T. -0.00 min
 Lab File: VD062032.D
 Acq: 25 Apr 2019 12:01

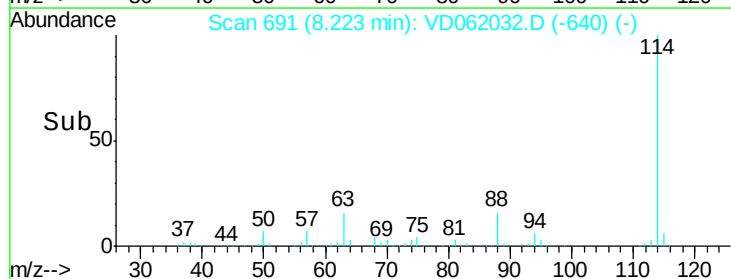
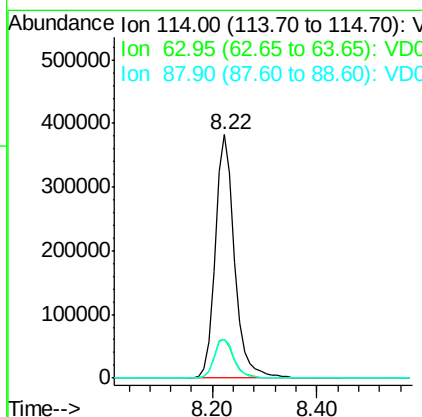
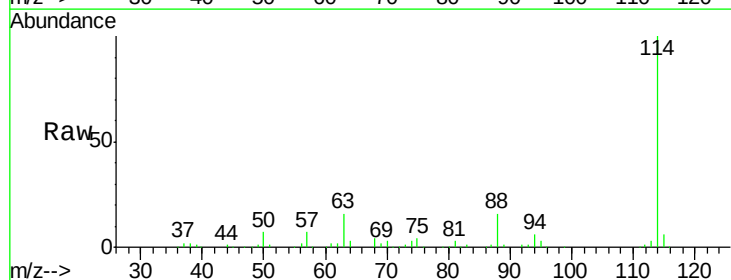
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0425SBSD01

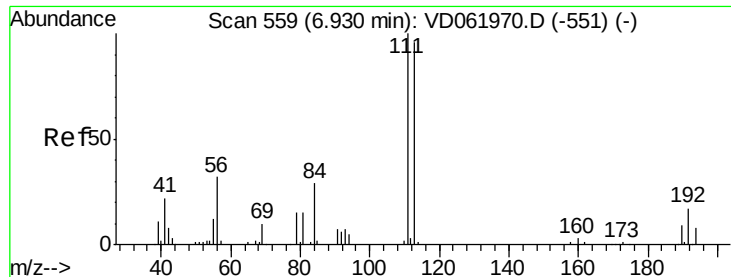
Tot Ion: 65 Resp: 260190
 Ion Ratio Lower Upper
 65 100
 67 48.6 0.0 98.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.22 min Scan# 691
 Delta R.T. -0.00 min
 Lab File: VD062032.D
 Acq: 25 Apr 2019 12:01

Tgt Ion: 114 Resp: 982863
 Ion Ratio Lower Upper
 114 100
 63 15.7 0.0 32.4
 88 16.0 0.0 33.6

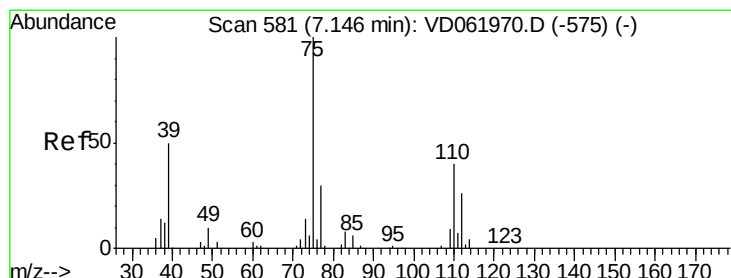
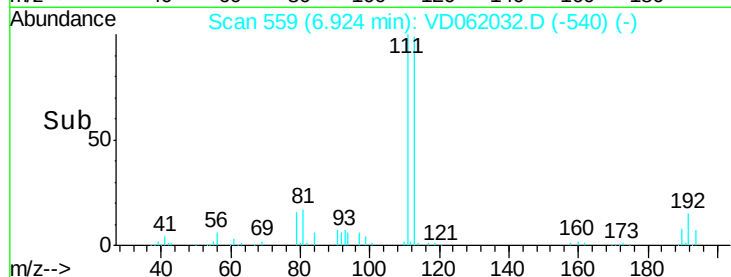
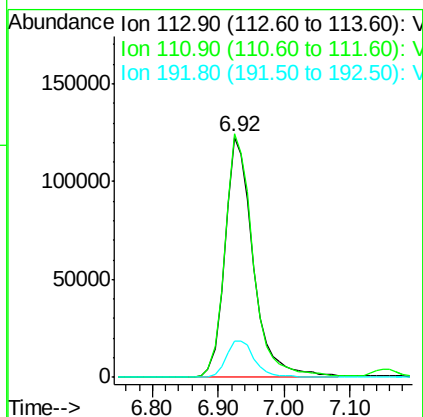
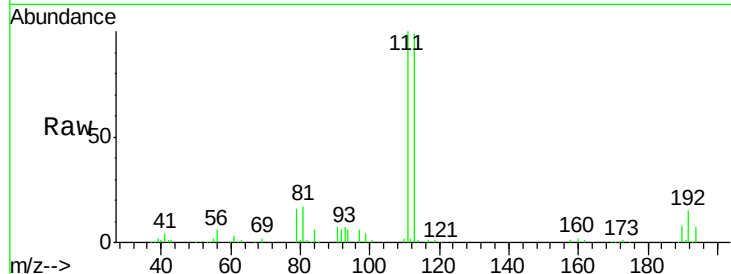




#35
 Dibromofluoromethane
 Concen: 54.374 ug/l
 RT: 6.92 min Scan# 559
 Delta R.T. -0.01 min
 Lab File: VD062032.D
 Acq: 25 Apr 2019 12:01

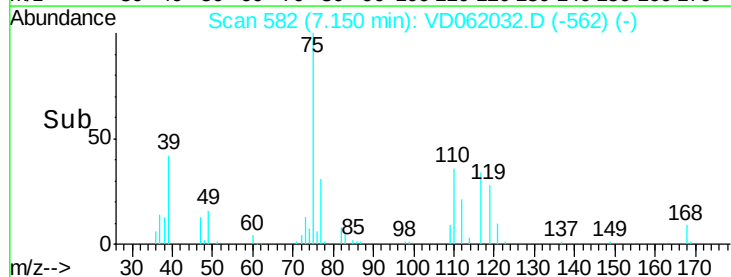
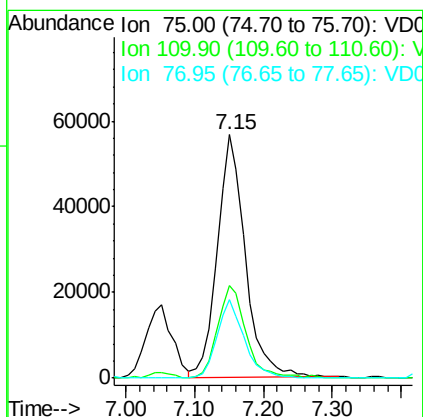
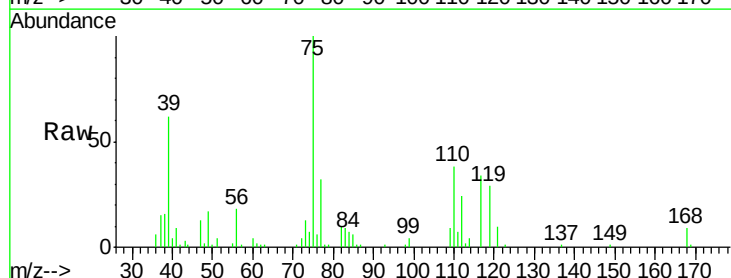
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0425SBSD01

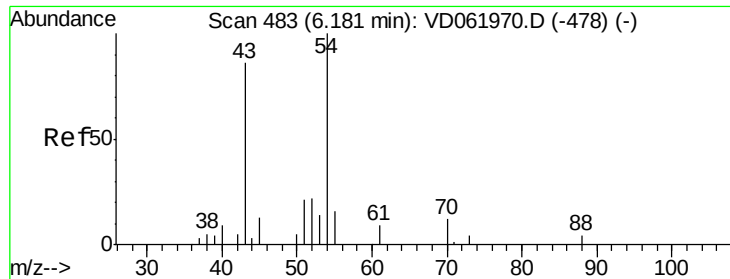
Tot Ion	Ratio	Lower	Upper
113	100		
111	101.5	78.5	117.7
192	15.1	13.0	19.4



#36
 1,1-Dichloropropene
 Concen: 20.708 ug/l
 RT: 7.15 min Scan# 582
 Delta R.T. -0.00 min
 Lab File: VD062032.D
 Acq: 25 Apr 2019 12:01

Tgt Ion	Ratio	Lower	Upper
75	100		
110	37.9	19.1	57.1
77	32.0	25.6	38.4

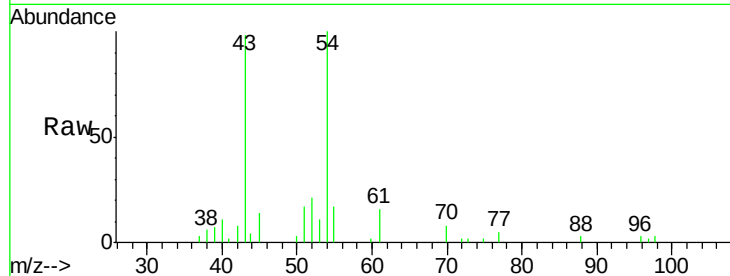




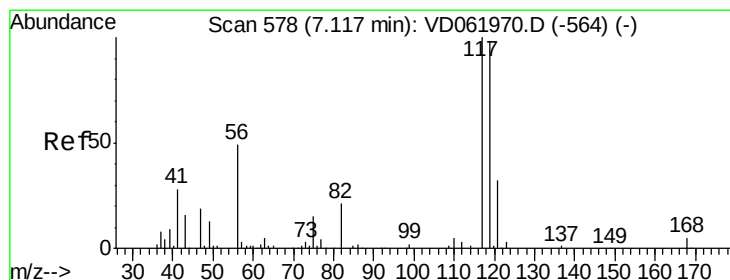
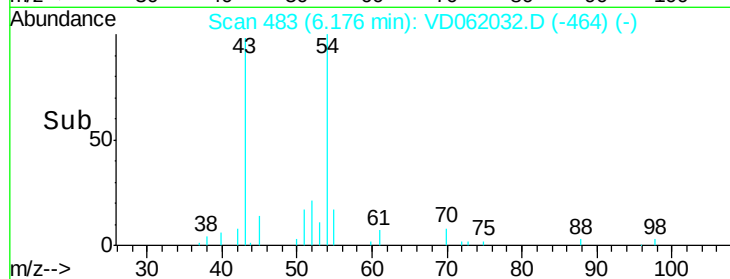
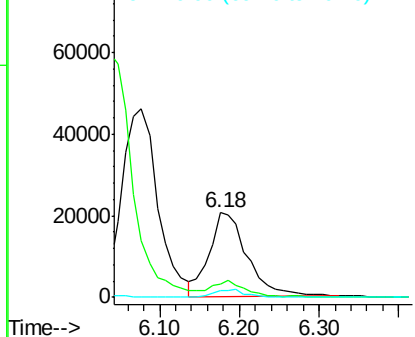
#37
Ethyl Acetate
Concen: 21.353 ug/l
RT: 6.18 min Scan# 483
Delta R.T. -0.01 min
Lab File: VD062032.D
Acq: 25 Apr 2019 12:01

Instrument :
MSVOA_D
ClientSampleId :
VD0425SBS01

Tot Ion: 43 Resp: 69678
Ion Ratio Lower Upper
43 100
61 16.0 14.7 22.1
70 8.1 7.8 11.6

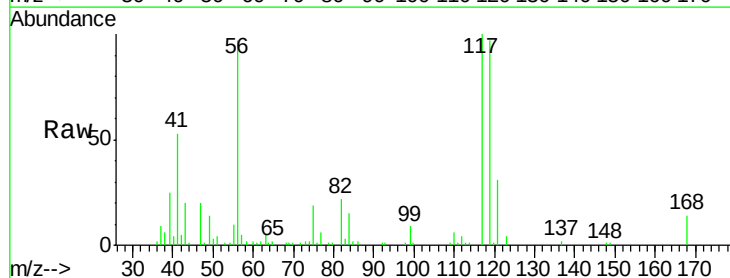


Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 70.00 (69.70 to 70.70): VDC

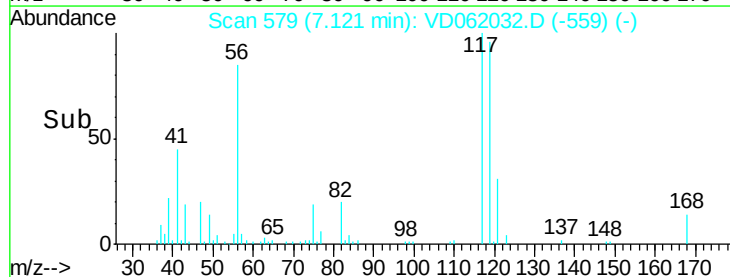
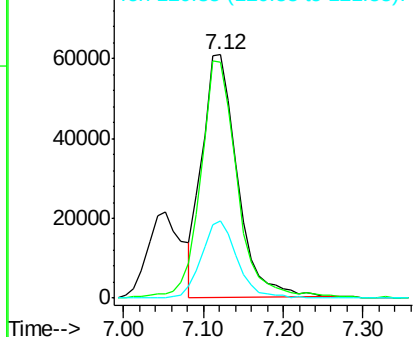


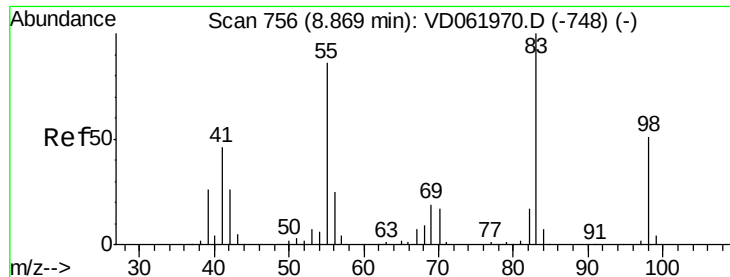
#38
Carbon Tetrachloride
Concen: 19.339 ug/l
RT: 7.12 min Scan# 579
Delta R.T. -0.00 min
Lab File: VD062032.D
Acq: 25 Apr 2019 12:01

Tgt Ion: 117 Resp: 187650
Ion Ratio Lower Upper
117 100
119 96.9 75.8 113.8
121 31.5 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

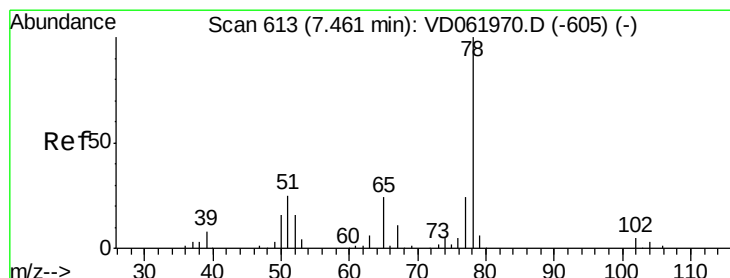
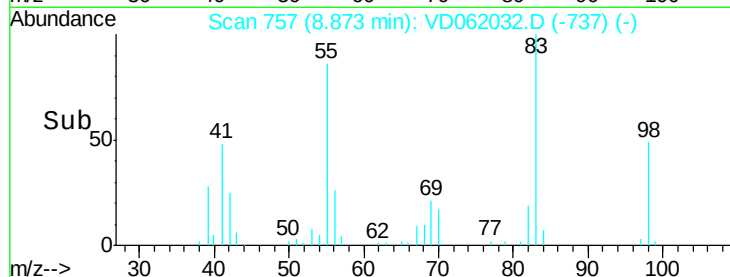
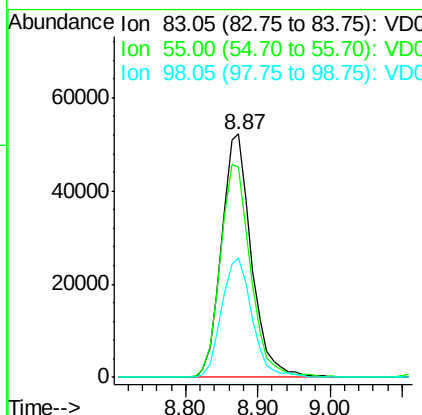
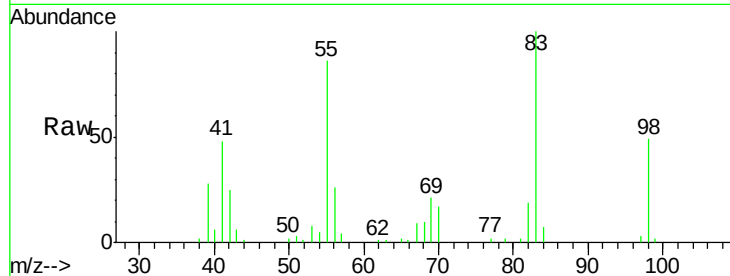




#39
Methylvlcyclohexane
Concen: 19.843 ug/l
RT: 8.87 min Scan# 757
Delta R.T. -0.00 min
Lab File: VD062032.D
Acq: 25 Apr 2019 12:01

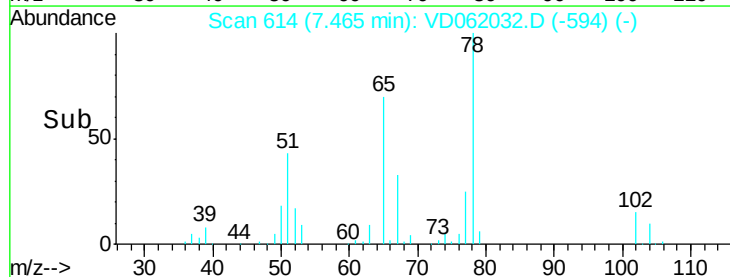
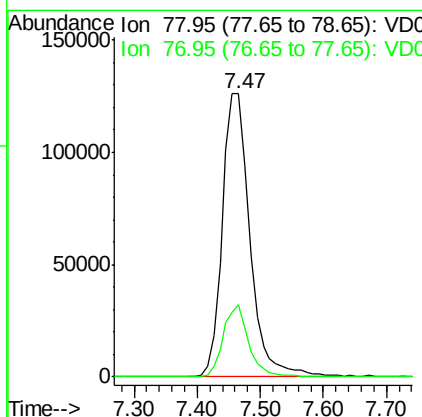
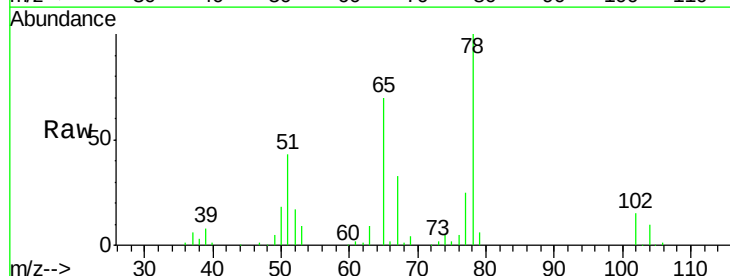
Instrument :
MSVOA_D
ClientSampleId :
VD0425SBS01

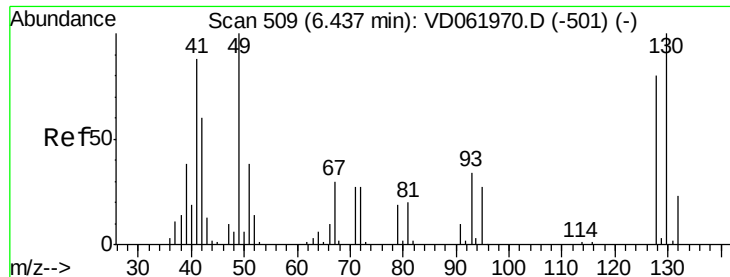
Tot Ion: 83 Resp: 149919
Ion Ratio Lower Upper
83 100
55 86.2 68.2 102.4
98 49.2 38.2 57.4



#40
Benzene
Concen: 20.287 ug/l
RT: 7.47 min Scan# 614
Delta R.T. -0.00 min
Lab File: VD062032.D
Acq: 25 Apr 2019 12:01

Tgt Ion: 78 Resp: 384594
Ion Ratio Lower Upper
78 100
77 25.4 19.7 29.5

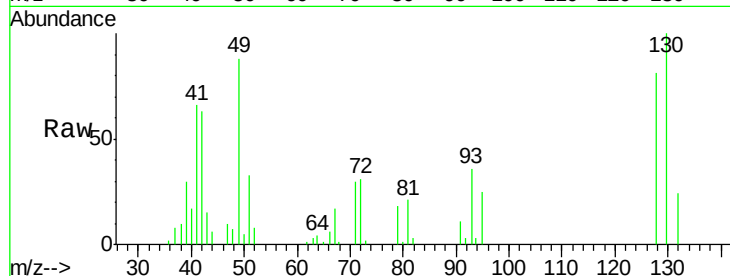




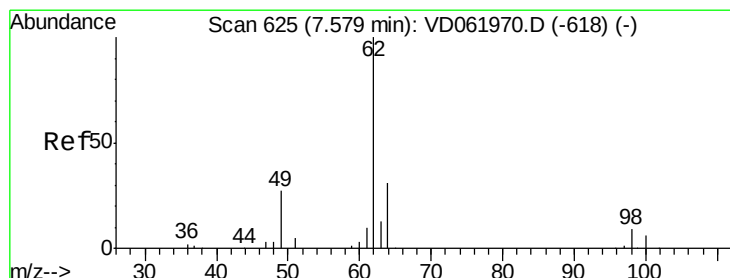
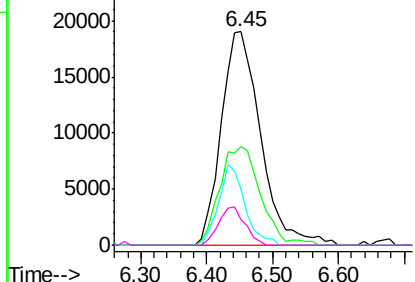
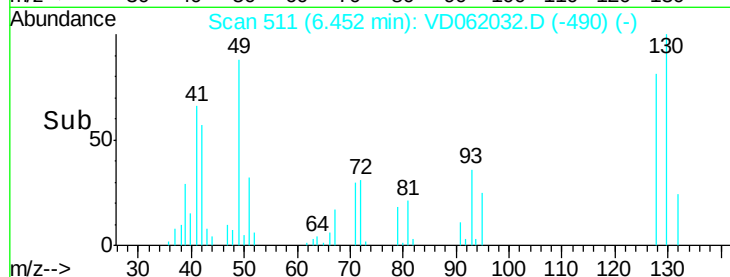
#41
Methacrylonitrile
Concen: 20.933 ug/l
RT: 6.45 min Scan# 511
Delta R.T. 0.01 min
Lab File: VD062032.D
Acq: 25 Apr 2019 12:01

Instrument :
MSVOA_D
ClientSampleId :
VD0425SBSD01

Tot Ion: 41 Resp: 79701
Ion Ratio Lower Upper
41 100
39 46.1 34.1 51.1
67 26.2 23.8 35.6
52 11.7 8.8 13.2

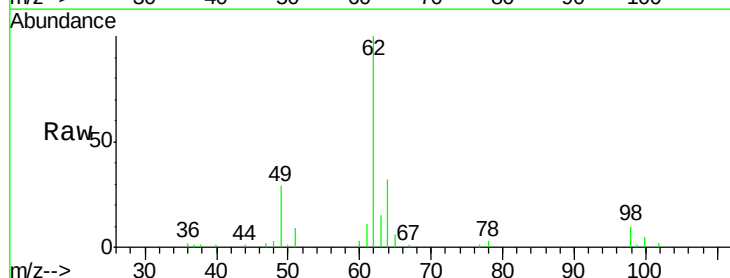


Abundance Ion 40.95 (40.65 to 41.65): VDC
Ion 38.95 (38.65 to 39.65): VDC
Ion 67.00 (66.70 to 67.70): VDC
Ion 52.00 (51.70 to 52.70): VDC

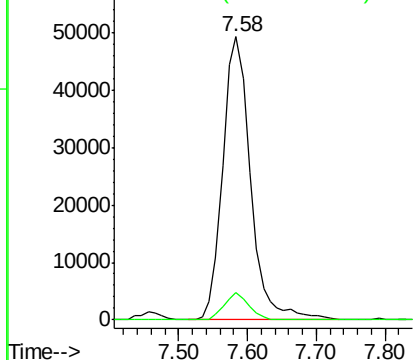
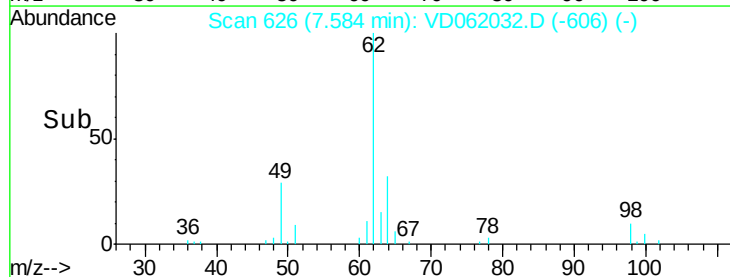


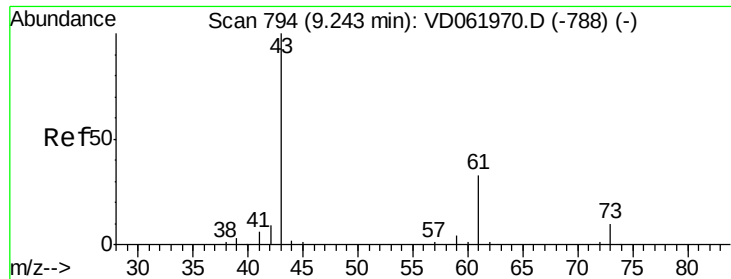
#42
1,2-Dichloroethane
Concen: 21.423 ug/l
RT: 7.58 min Scan# 626
Delta R.T. -0.00 min
Lab File: VD062032.D
Acq: 25 Apr 2019 12:01

Tgt Ion: 62 Resp: 137894
Ion Ratio Lower Upper
62 100
98 9.7 0.0 17.8



Abundance Ion 61.95 (61.65 to 62.65): VDC
Ion 97.85 (97.55 to 98.55): VDC

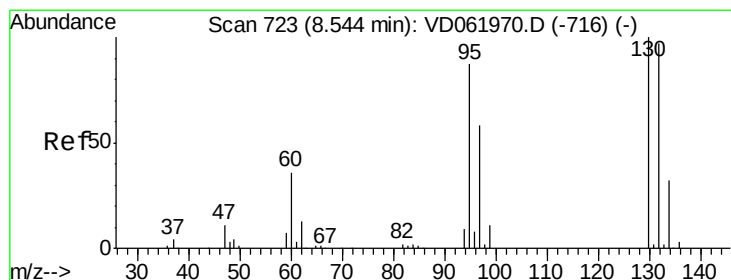
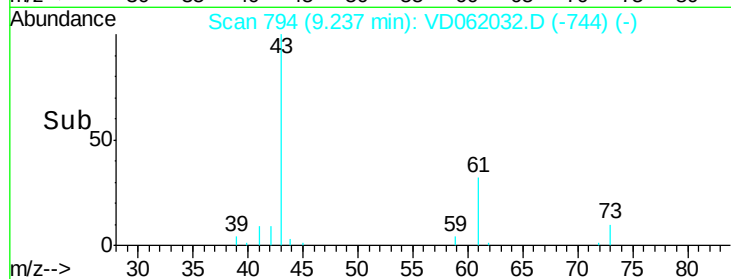
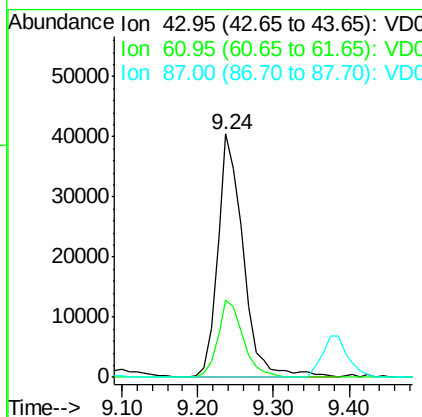
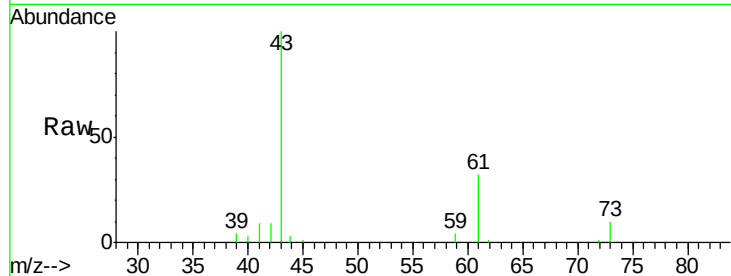




#43
Isopropyl Acetate
Concen: 19.856 ug/l
RT: 9.24 min Scan# 794
Delta R.T. -0.01 min
Lab File: VD062032.D
Acq: 25 Apr 2019 12:01

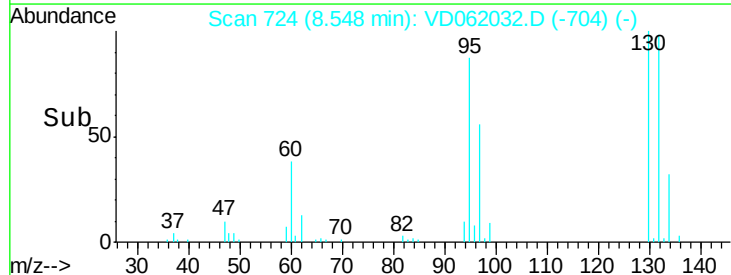
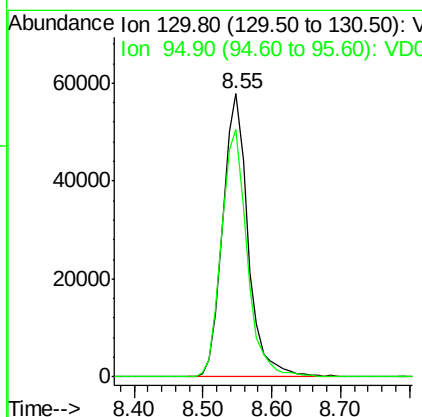
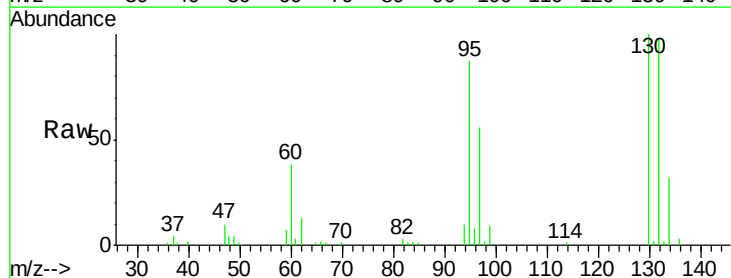
Instrument :
MSVOA_D
ClientSampleId :
VD0425SBSD01

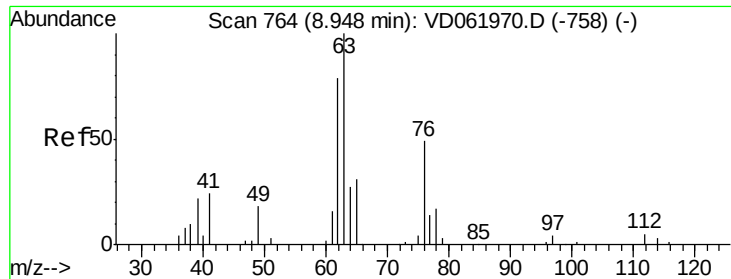
Tot Ion: 43 Resp: 94672
Ion Ratio Lower Upper
43 100
61 31.9 25.1 37.7
87 0.0 0.0 0.0



#44
Trichloroethene
Concen: 19.956 ug/l
RT: 8.55 min Scan# 724
Delta R.T. -0.00 min
Lab File: VD062032.D
Acq: 25 Apr 2019 12:01

Tgt Ion:130 Resp: 146665
Ion Ratio Lower Upper
130 100
95 87.4 0.0 174.0





#45

1,2-Dichloropropane

Concen: 19.344 ug/l

RT: 8.94 min Scan# 764

Delta R.T. -0.00 min

Lab File: VD062032.D

Acq: 25 Apr 2019 12:01

Instrument :

MSVOA_D

ClientSampleId :

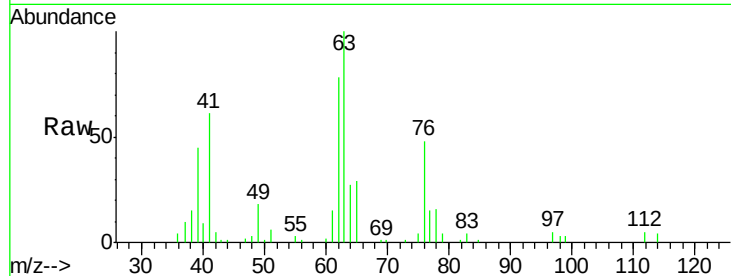
VD0425SBSD01

Tot Ion: 63 Resp: 93032

Ion Ratio Lower Upper

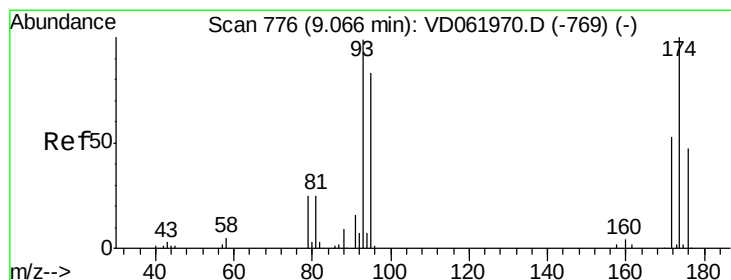
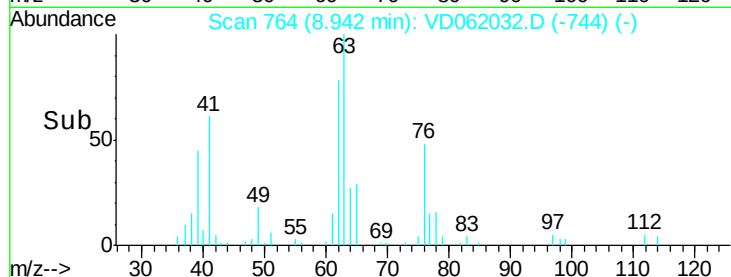
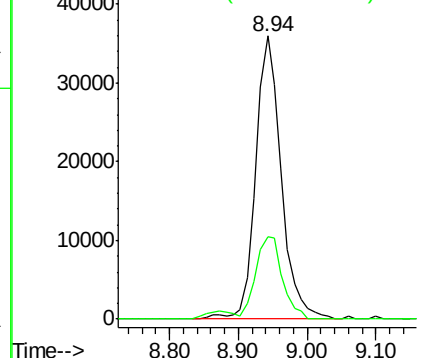
63 100

65 29.2 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: 20.619 ug/l

RT: 9.07 min Scan# 777

Delta R.T. -0.00 min

Lab File: VD062032.D

Acq: 25 Apr 2019 12:01

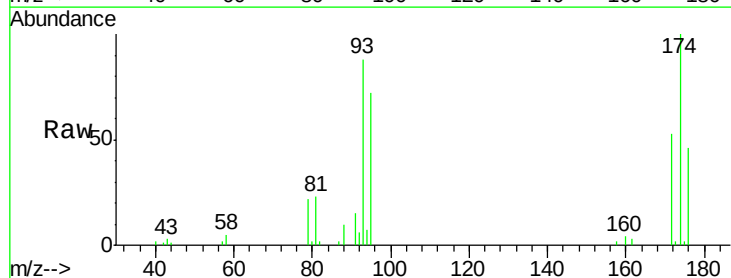
Tgt Ion: 93 Resp: 71355

Ion Ratio Lower Upper

93 100

95 81.9 64.8 97.2

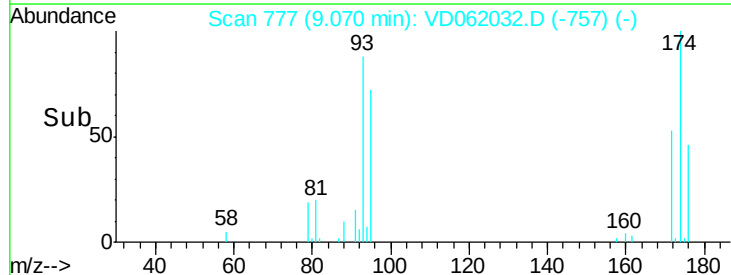
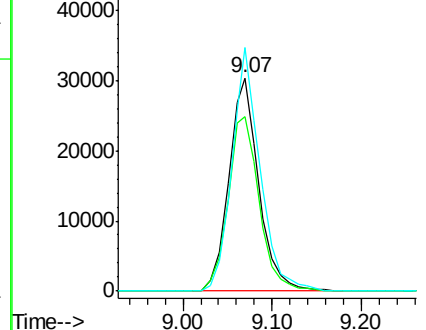
174 114.1 79.3 118.9

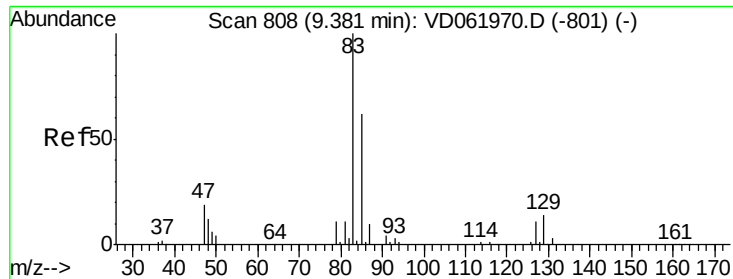


Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V





#47

Bromodichloromethane

Concen: 19.597 ug/l

RT: 9.38 min Scan# 808

Delta R.T. -0.01 min

Lab File: VD062032.D

Acq: 25 Apr 2019 12:01

Instrument :

MSVOA_D

ClientSampleId :

VD0425SBS01

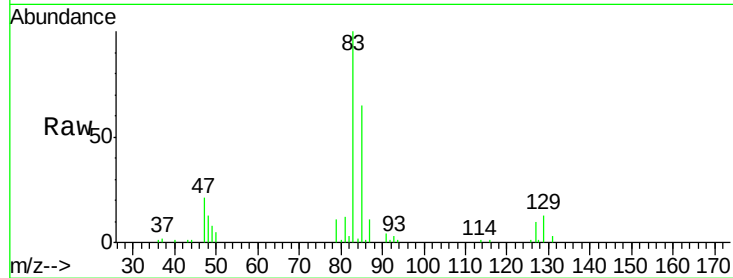
Tot Ion: 83 Resp: 160238

Ion Ratio Lower Upper

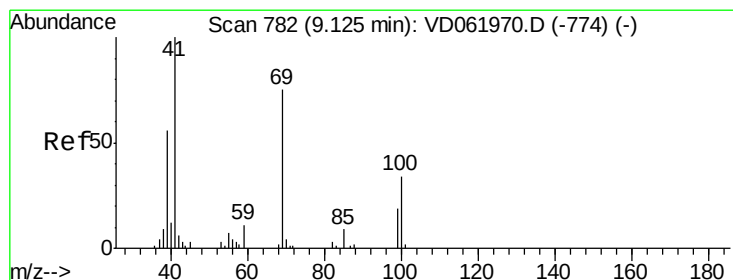
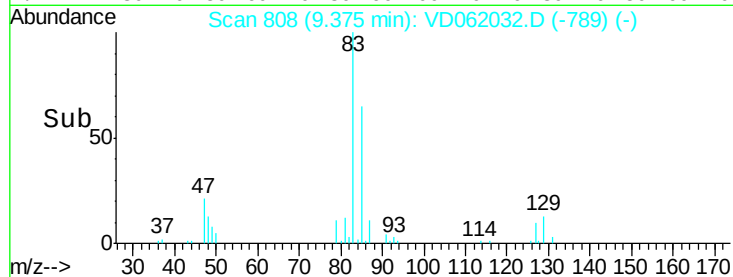
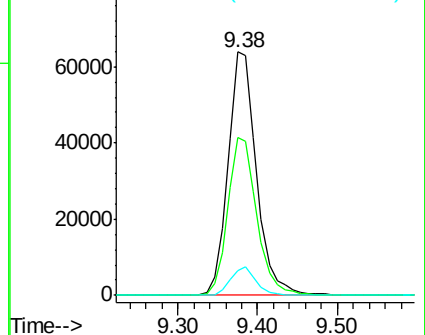
83 100

85 64.8 50.9 76.3

127 10.0 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: 20.544 ug/l

RT: 9.12 min Scan# 782

Delta R.T. -0.01 min

Lab File: VD062032.D

Acq: 25 Apr 2019 12:01

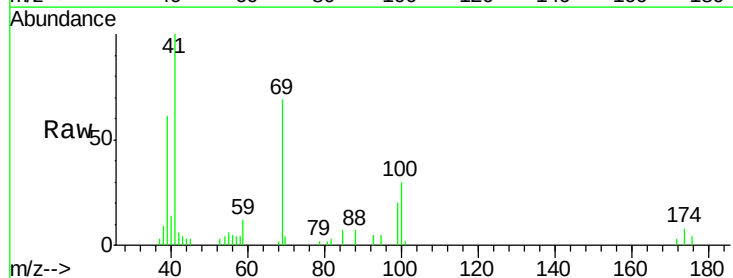
Tgt Ion: 41 Resp: 55888

Ion Ratio Lower Upper

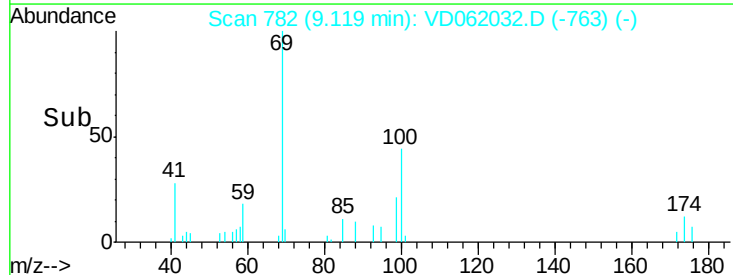
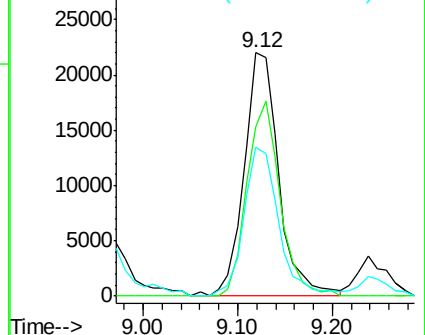
41 100

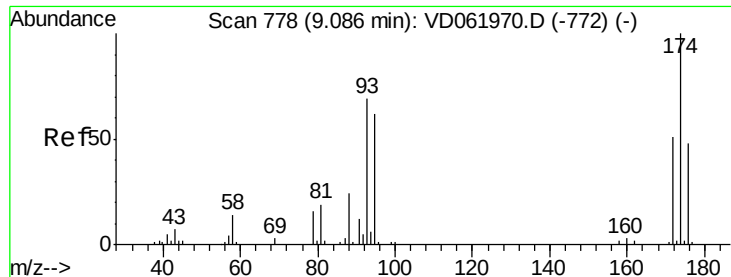
69 69.4 64.2 96.2

39 61.0 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

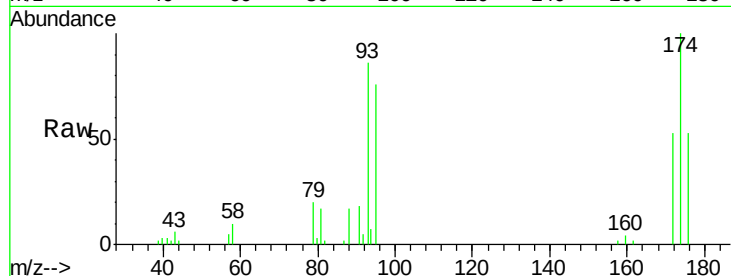




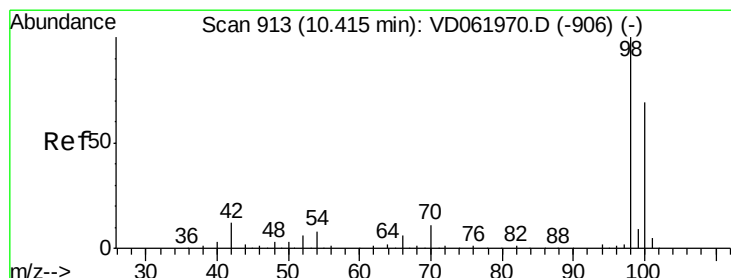
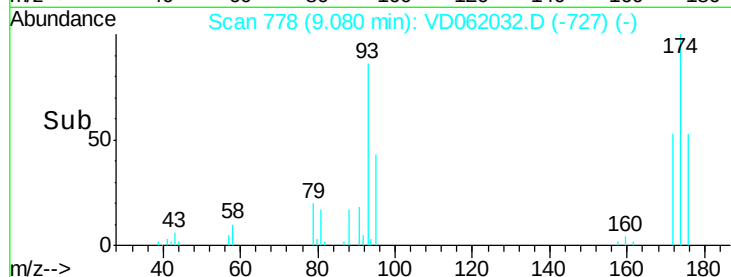
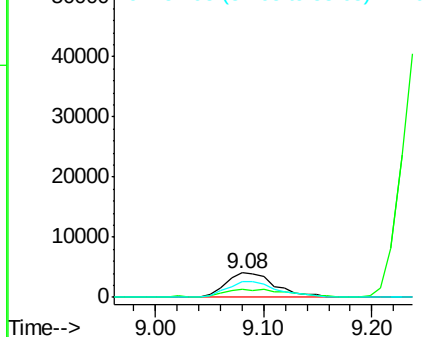
#49
1,4-Dioxane
Concen: 431.623 ug/l
RT: 9.08 min Scan# 778
Delta R.T. -0.00 min
Lab File: VD062032.D
Acq: 25 Apr 2019 12:01

Instrument :
MSVOA_D
ClientSampleId :
VD0425SBSD01

Tot Ion: 88 Resp: 12659
Ion Ratio Lower Upper
88 100
43 33.9 23.4 35.0
58 62.4 44.0 66.0

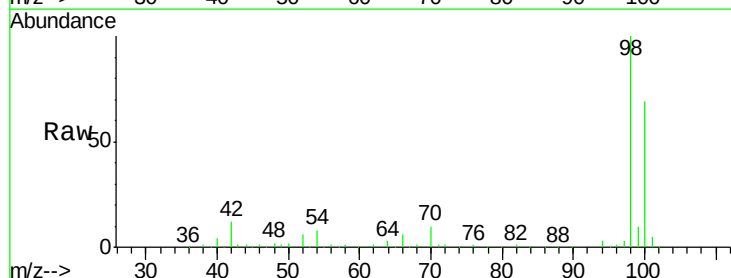


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 57.95 (57.65 to 58.65): VDC

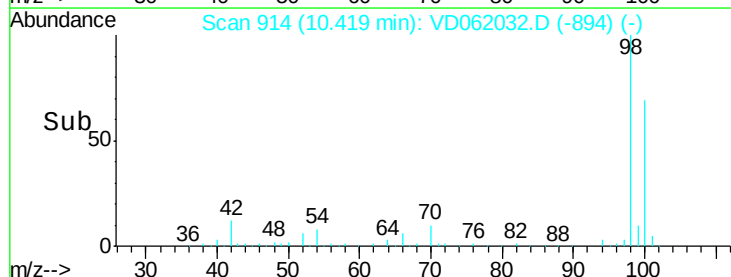
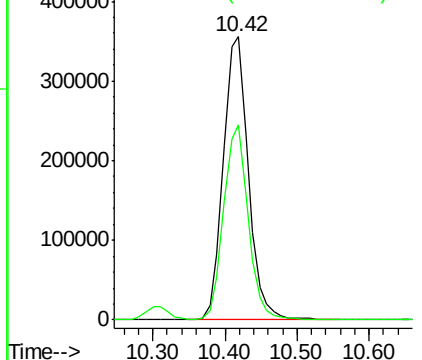


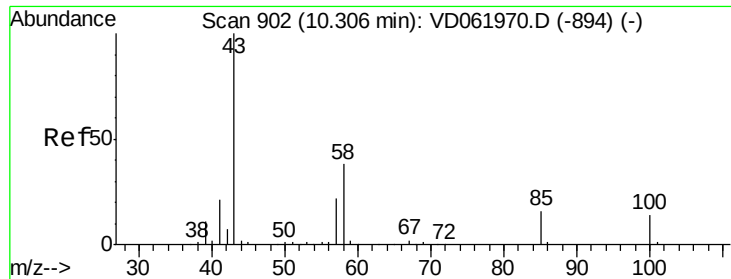
#50
Toluene-d8
Concen: 52.977 ug/l
RT: 10.42 min Scan# 914
Delta R.T. -0.00 min
Lab File: VD062032.D
Acq: 25 Apr 2019 12:01

Tgt Ion: 98 Resp: 856870
Ion Ratio Lower Upper
98 100
100 68.7 53.8 80.8



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





#51

4-Methyl-2-Pentanone

Concen: 108.469 ug/l

RT: 10.30 min Scan# 902

Delta R.T. -0.00 min

Lab File: VD062032.D

Acq: 25 Apr 2019 12:01

Instrument :

MSVOA_D

ClientSampleId :

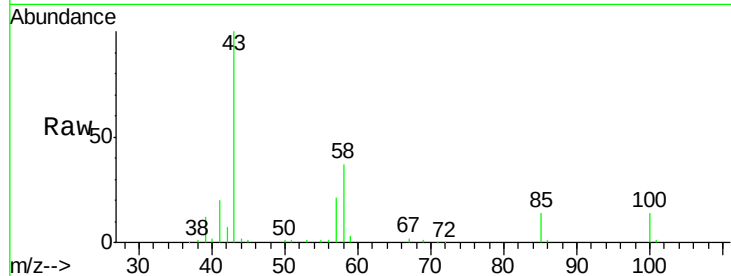
VD0425SBS01

Tot Ion: 43 Resp: 316281

Ion Ratio Lower Upper

43 100

58 37.2 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

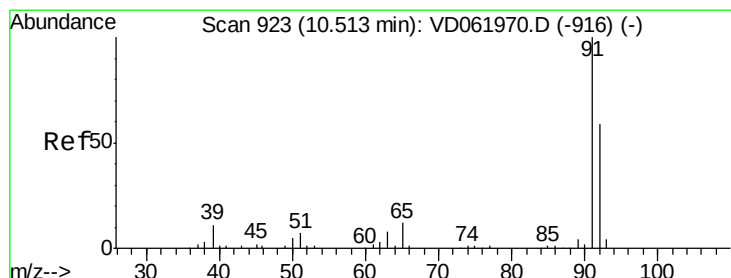
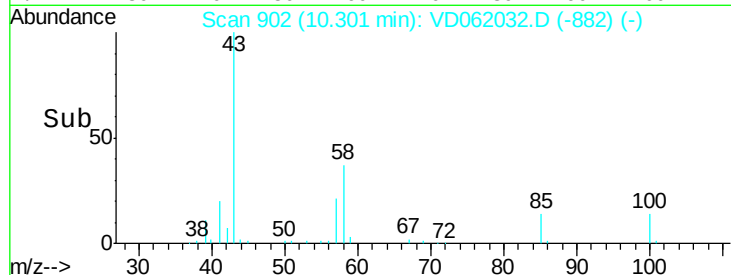
150000

100000

50000

0

Time-->



#52

Toluene

Concen: 20.619 ug/l

RT: 10.51 min Scan# 923

Delta R.T. -0.01 min

Lab File: VD062032.D

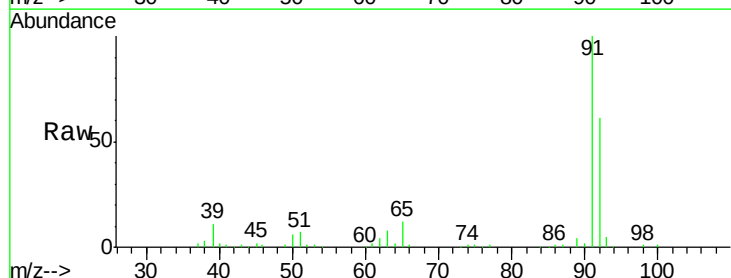
Acq: 25 Apr 2019 12:01

Tgt Ion: 92 Resp: 249231

Ion Ratio Lower Upper

92 100

91 163.1 136.6 204.8



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

200000

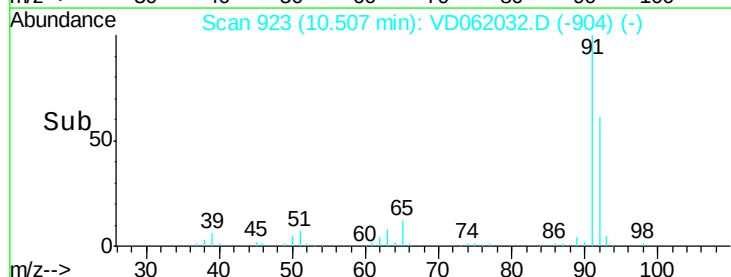
150000

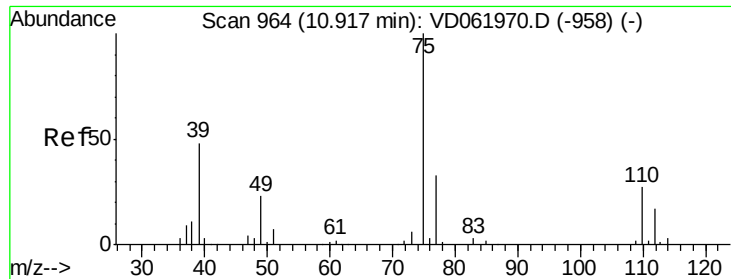
100000

50000

0

Time-->

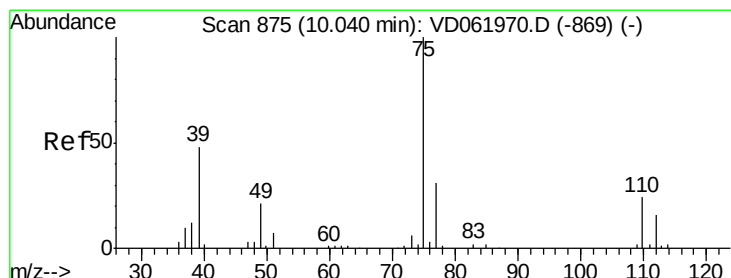
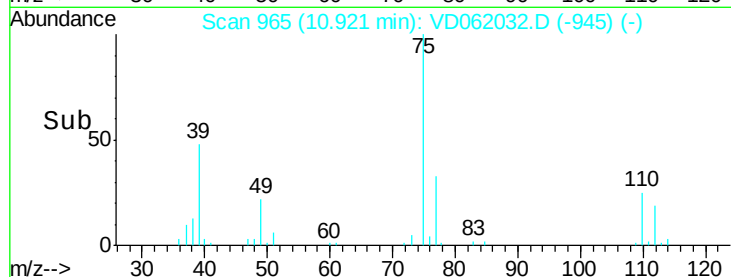
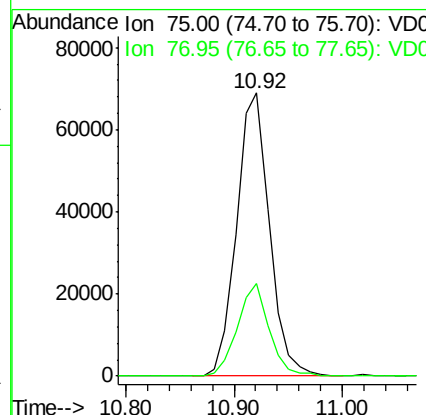
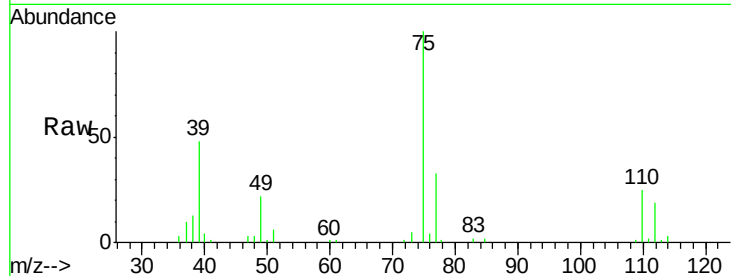




#53
 t-1,3-Dichloropropene
 Concen: 21.119 ug/l
 RT: 10.92 min Scan# 965
 Delta R.T. -0.00 min
 Lab File: VD062032.D
 Acq: 25 Apr 2019 12:01

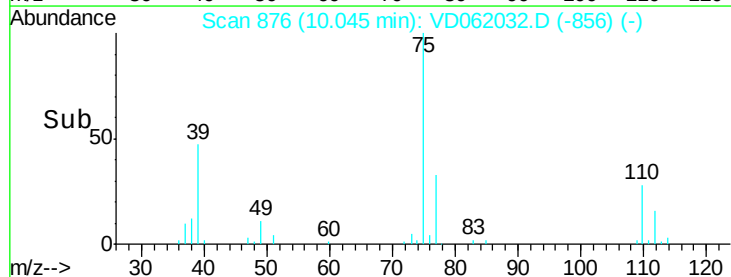
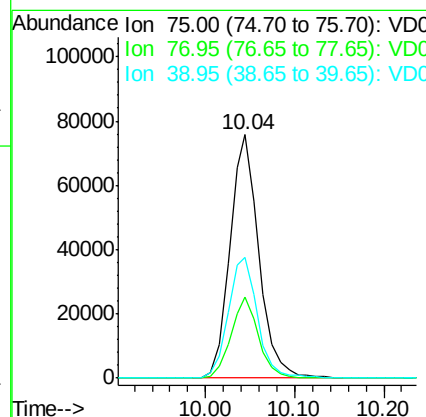
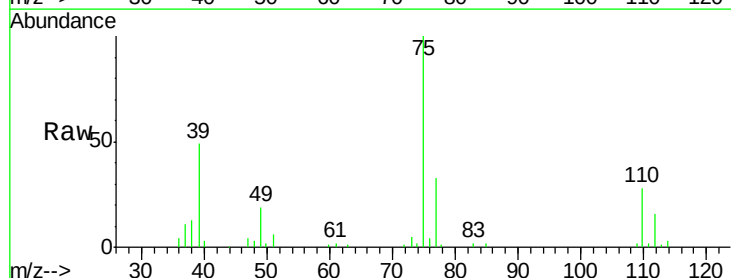
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0425SBSD01

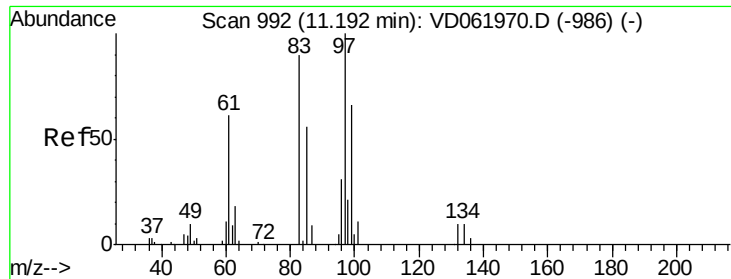
Tot Ion: 75 Resp: 144951
 Ion Ratio Lower Upper
 75 100
 77 32.6 25.8 38.8



#54
 cis-1,3-Dichloropropene
 Concen: 20.565 ug/l
 RT: 10.04 min Scan# 876
 Delta R.T. -0.00 min
 Lab File: VD062032.D
 Acq: 25 Apr 2019 12:01

Tgt Ion: 75 Resp: 171672
 Ion Ratio Lower Upper
 75 100
 77 33.1 25.5 38.3
 39 49.3 39.4 59.2

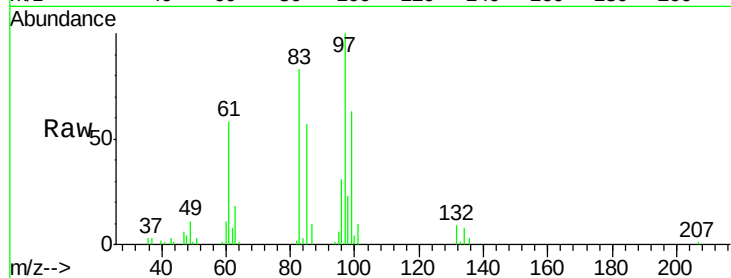




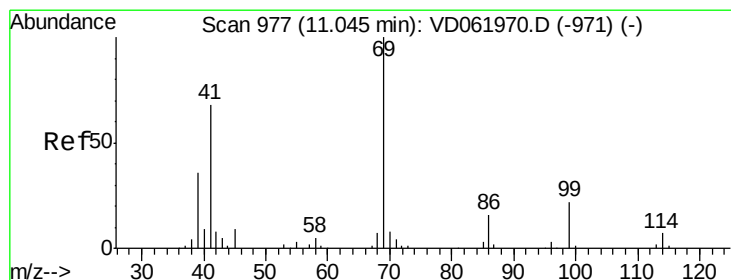
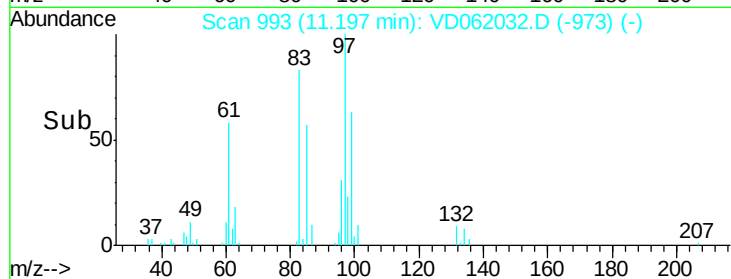
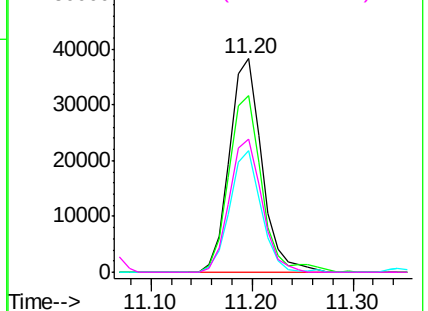
#55
 1,1,2-Trichloroethane
 Concen: 21.062 ug/l
 RT: 11.20 min Scan# 993
 Delta R.T. -0.00 min
 Lab File: VD062032.D
 Acq: 25 Apr 2019 12:01

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0425SBS01

Tot Ion: 97 Resp: 85473
 Ion Ratio Lower Upper
 97 100
 83 83.0 65.7 98.5
 85 56.9 45.6 68.4
 99 62.6 48.4 72.6

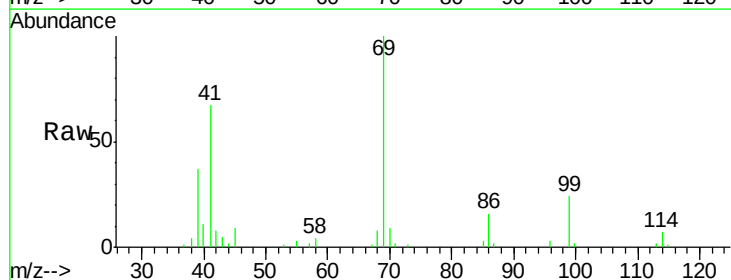


Abundance Ion 96.85 (96.55 to 97.55): VDC
 Ion 82.95 (82.65 to 83.65): VDC
 Ion 84.95 (84.65 to 85.65): VDC
 Ion 98.85 (98.55 to 99.55): VDC

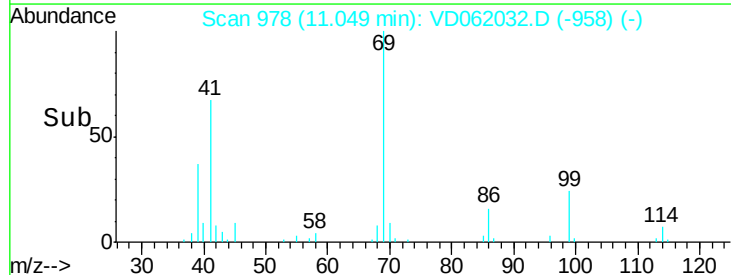
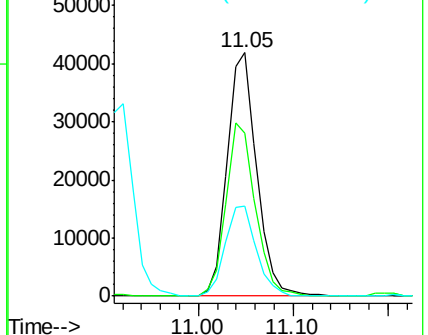


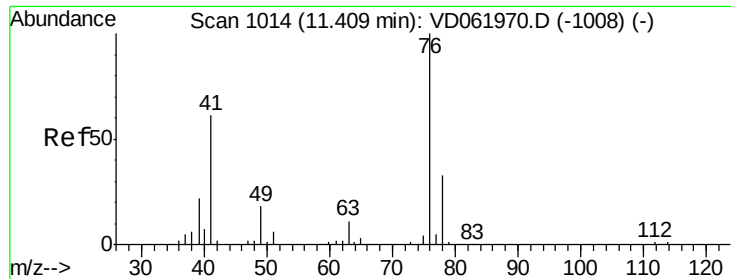
#56
 Ethyl methacrylate
 Concen: 20.083 ug/l
 RT: 11.05 min Scan# 978
 Delta R.T. -0.00 min
 Lab File: VD062032.D
 Acq: 25 Apr 2019 12:01

Tgt Ion: 69 Resp: 90263
 Ion Ratio Lower Upper
 69 100
 41 67.0 56.3 84.5
 39 37.2 29.4 44.2



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





#57

1,3-Dichloropropane

Concen: 19.187 ug/l

RT: 11.41 min Scan# 1015

Delta R.T. -0.00 min

Lab File: VD062032.D

Acq: 25 Apr 2019 12:01

Instrument :

MSVOA_D

ClientSampleId :

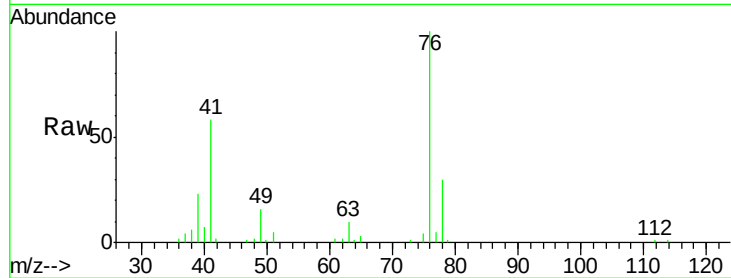
VD0425SBS01

Tot Ion: 76 Resp: 120257

Ion Ratio Lower Upper

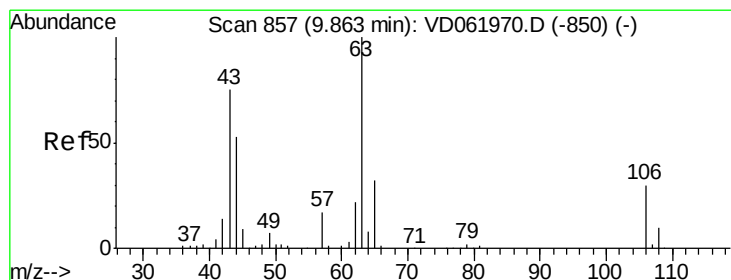
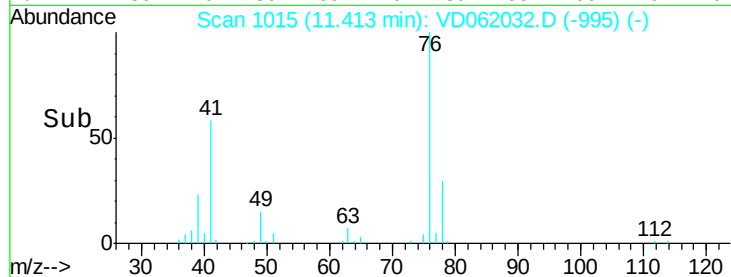
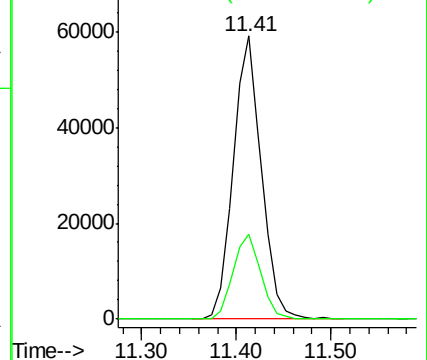
76 100

78 29.9 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: 125.825 ug/l

RT: 9.86 min Scan# 857

Delta R.T. -0.01 min

Lab File: VD062032.D

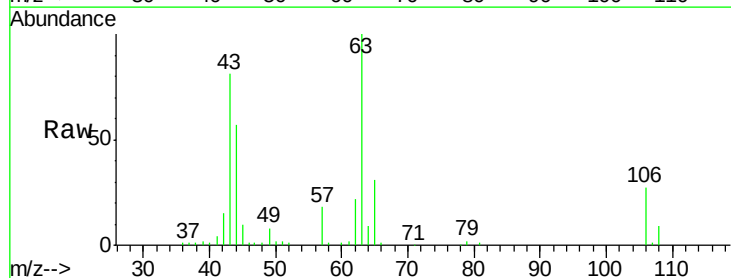
Acq: 25 Apr 2019 12:01

Tgt Ion: 63 Resp: 262924

Ion Ratio Lower Upper

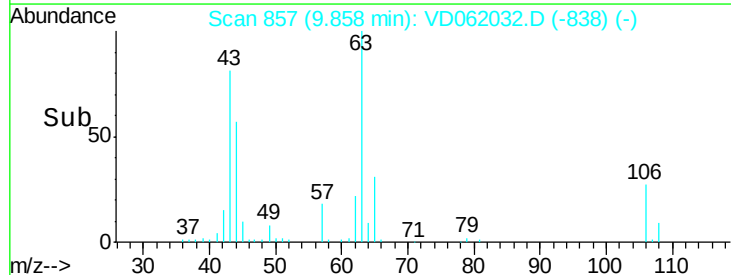
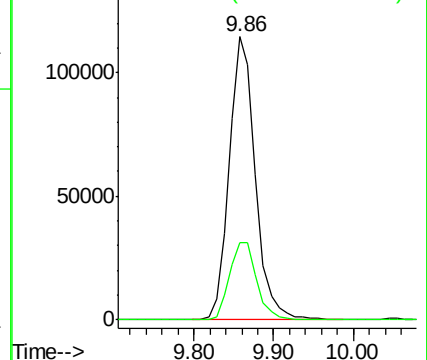
63 100

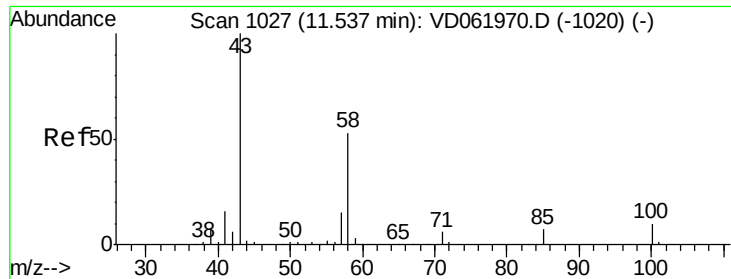
106 27.1 22.6 34.0



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): V

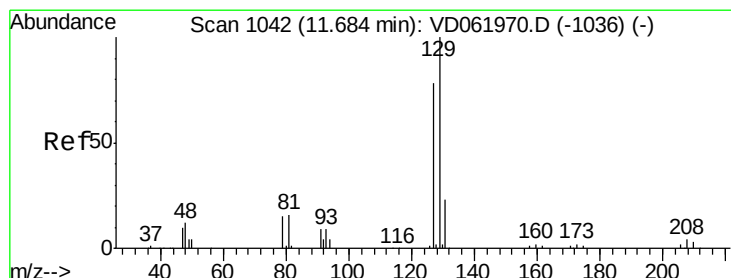
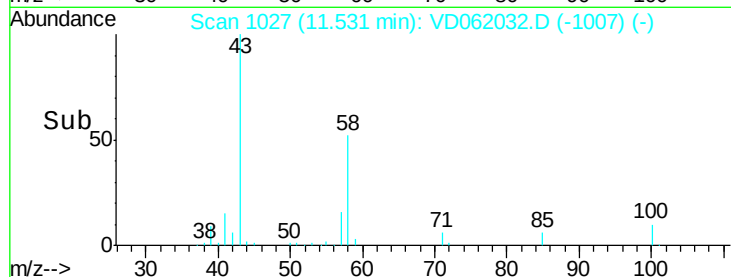
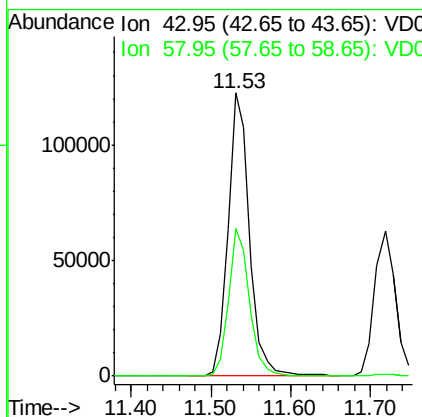
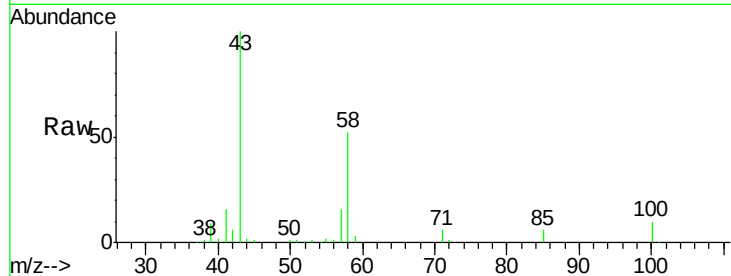




#59
2-Hexanone
Concen: 105.595 ug/l
RT: 11.53 min Scan# 1027
Delta R.T. -0.00 min
Lab File: VD062032.D
Acq: 25 Apr 2019 12:01

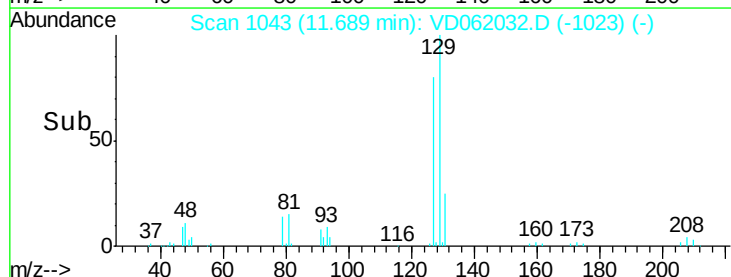
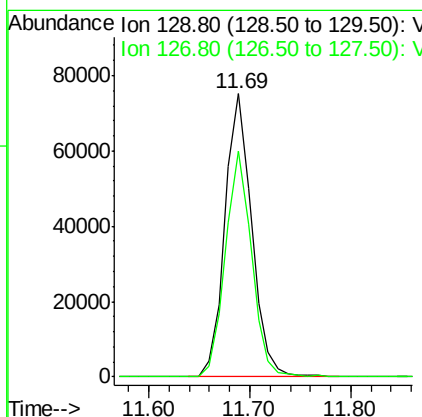
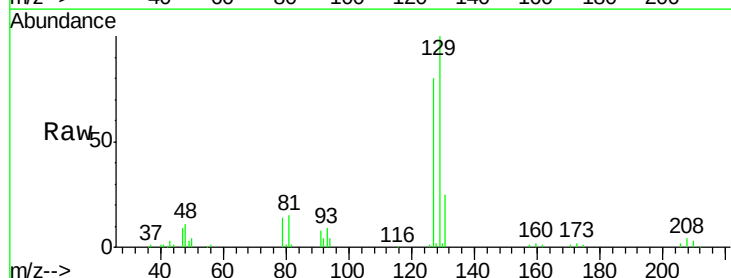
Instrument :
MSVOA_D
ClientSampleId :
VD0425SBSD01

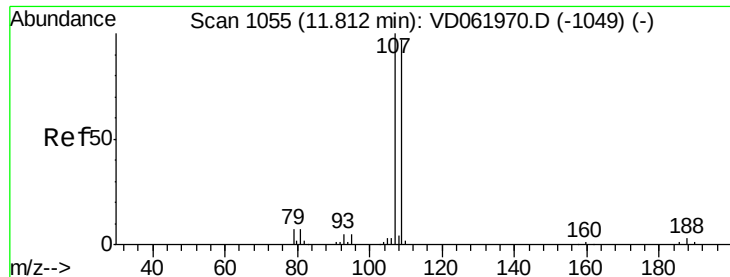
Tot Ion: 43 Resp: 230970
Ion Ratio Lower Upper
43 100
58 52.0 25.4 76.4



#60
Dibromochloromethane
Concen: 20.651 ug/l
RT: 11.69 min Scan# 1043
Delta R.T. -0.00 min
Lab File: VD062032.D
Acq: 25 Apr 2019 12:01

Tgt Ion: 129 Resp: 138663
Ion Ratio Lower Upper
129 100
127 79.6 38.0 113.9

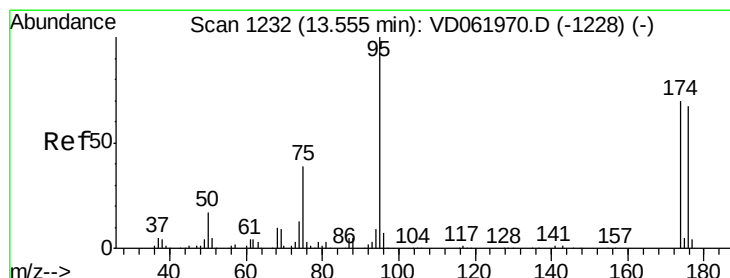
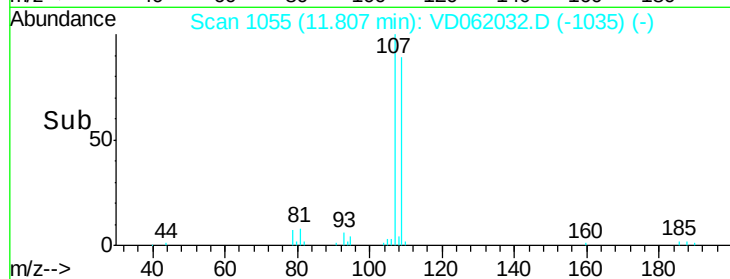
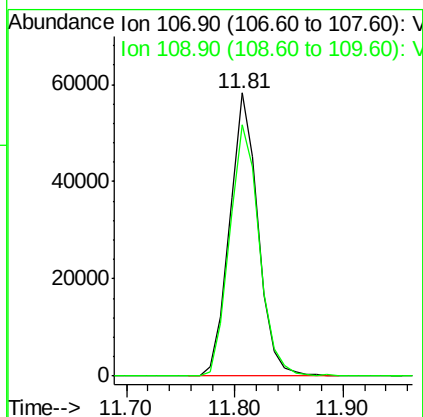
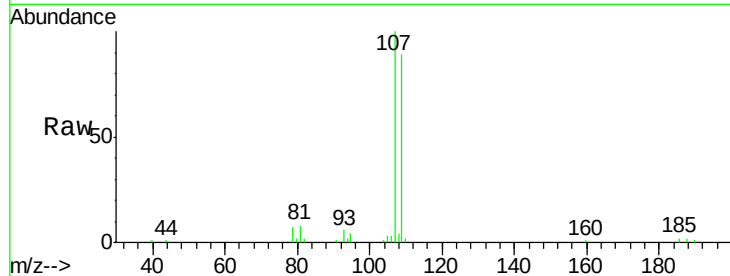




#61
 1,2-Dibromoethane
 Concen: 21.992 ug/l
 RT: 11.81 min Scan# 1055
 Delta R.T. -0.00 min
 Lab File: VD062032.D
 Acq: 25 Apr 2019 12:01

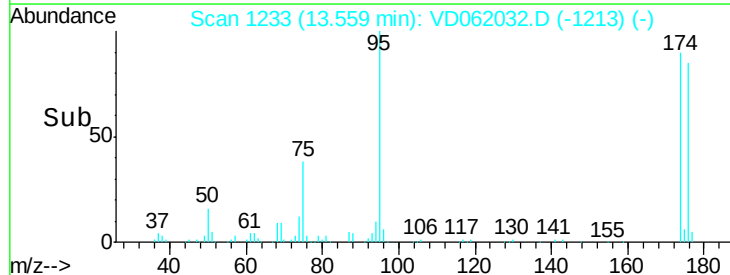
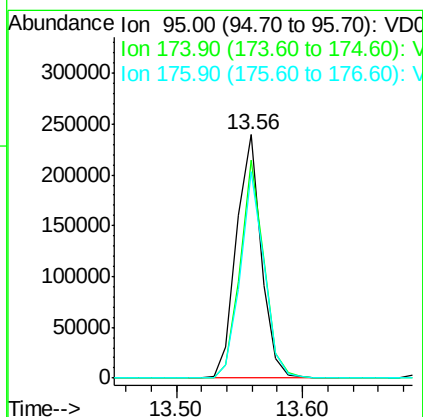
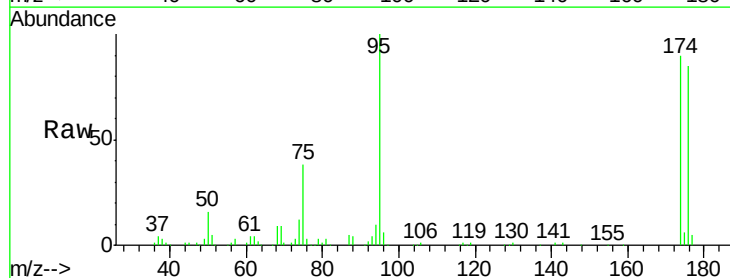
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0425SBSD01

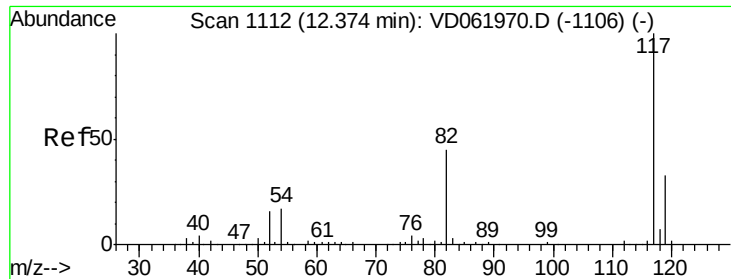
Tot Ion:107 Resp: 105869
 Ion Ratio Lower Upper
 107 100
 109 89.0 78.3 117.5



#62
 4-Bromofluorobenzene
 Concen: 49.871 ug/l
 RT: 13.56 min Scan# 1233
 Delta R.T. -0.00 min
 Lab File: VD062032.D
 Acq: 25 Apr 2019 12:01

Tgt Ion: 95 Resp: 323534
 Ion Ratio Lower Upper
 95 100
 174 89.5 0.0 181.8
 176 84.7 0.0 174.4

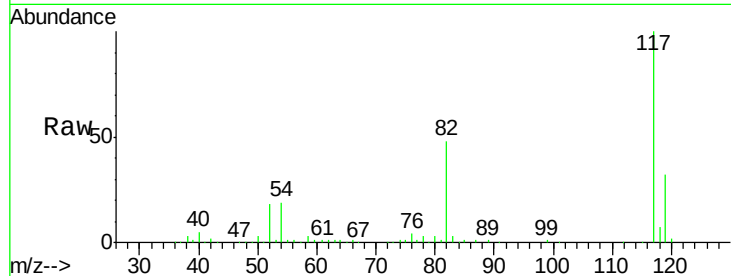




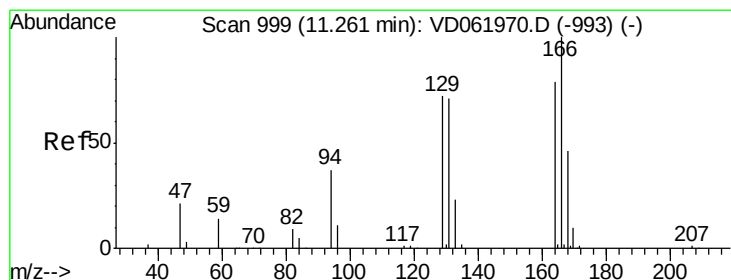
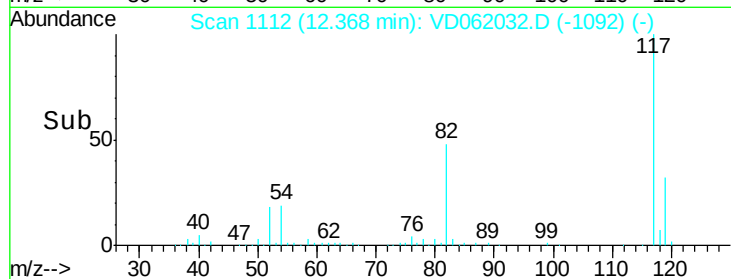
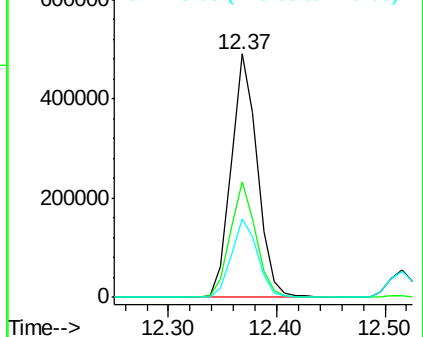
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.37 min Scan# 1112
Delta R.T. -0.00 min
Lab File: VD062032.D
Acq: 25 Apr 2019 12:01

Instrument :
MSVOA_D
ClientSampleId :
VD0425SBSD01

Tot Ion:117 Resp: 826394
Ion Ratio Lower Upper
117 100
82 47.6 36.2 54.2
119 32.1 26.2 39.4

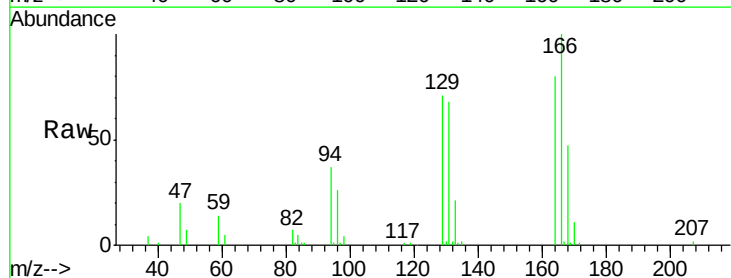


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

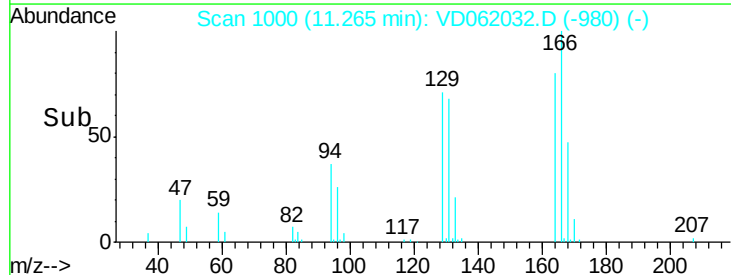
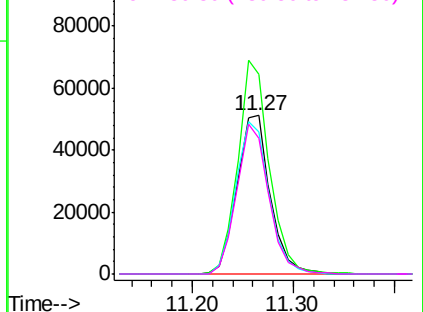


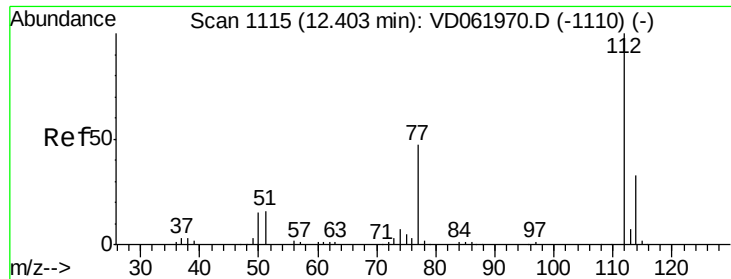
#64
Tetrachloroethene
Concen: 19.848 ug/l
RT: 11.27 min Scan# 1000
Delta R.T. -0.00 min
Lab File: VD062032.D
Acq: 25 Apr 2019 12:01

Tgt Ion:164 Resp: 117008
Ion Ratio Lower Upper
164 100
166 125.6 101.5 152.3
129 89.5 74.6 112.0
131 85.9 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

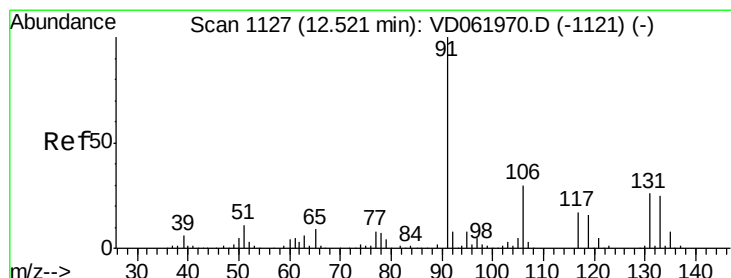
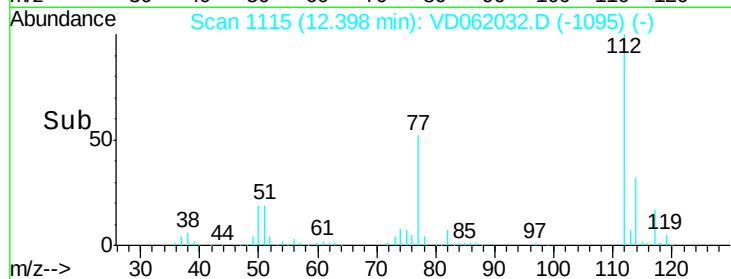
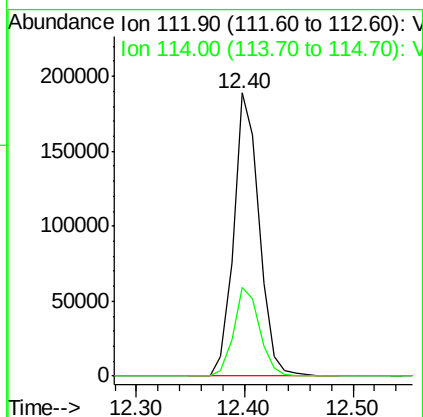
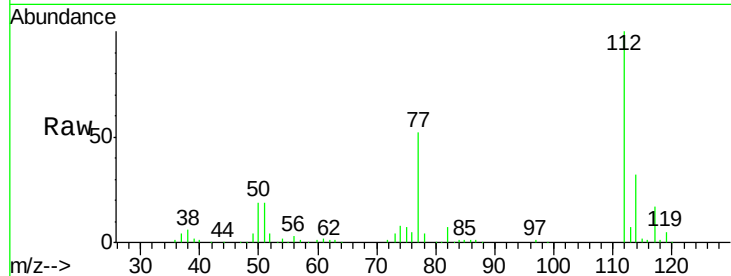




#65
Chlorobenzene
Concen: 19.704 ug/l
RT: 12.40 min Scan# 1115
Delta R.T. -0.00 min
Lab File: VD062032.D
Acq: 25 Apr 2019 12:01

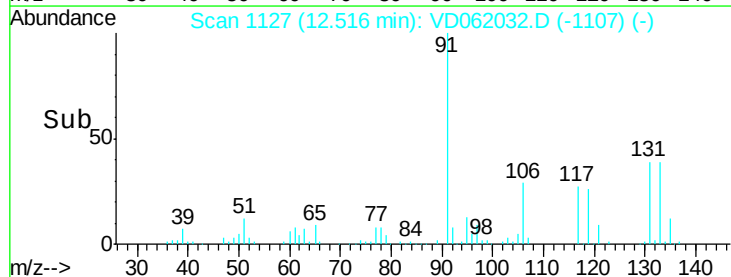
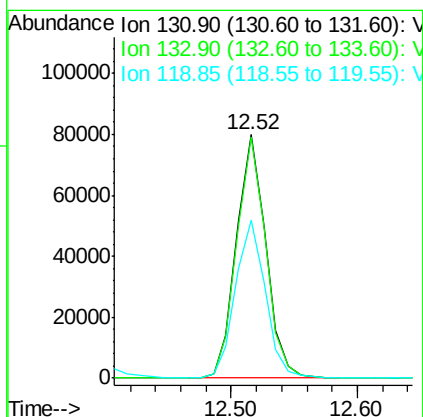
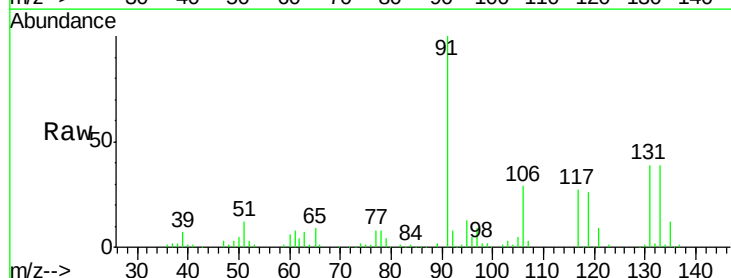
Instrument :
MSVOA_D
ClientSampleId :
VD0425SBSD01

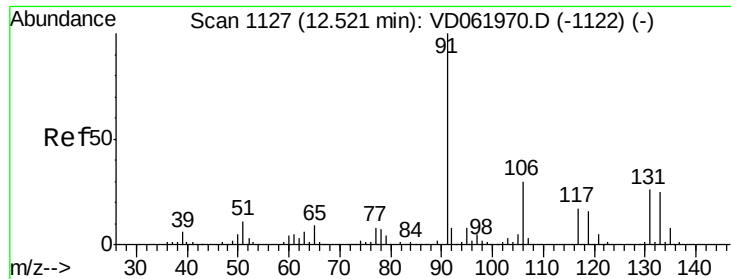
Tot Ion:112 Resp: 307700
Ion Ratio Lower Upper
112 100
114 31.6 25.8 38.8



#66
1,1,1,2-Tetrachloroethane
Concen: 19.445 ug/l
RT: 12.52 min Scan# 1127
Delta R.T. -0.00 min
Lab File: VD062032.D
Acq: 25 Apr 2019 12:01

Tgt Ion:131 Resp: 128801
Ion Ratio Lower Upper
131 100
133 99.2 48.6 145.8
119 65.0 34.7 104.1

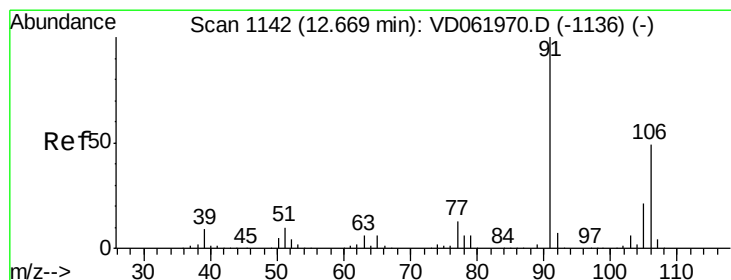
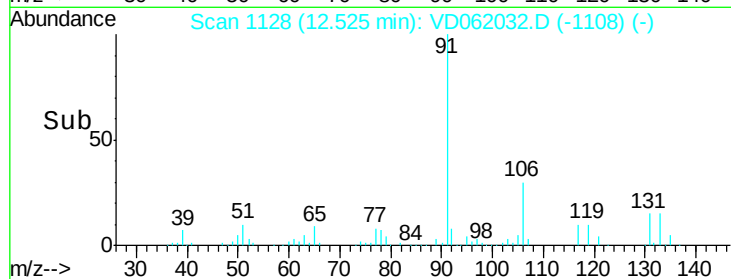
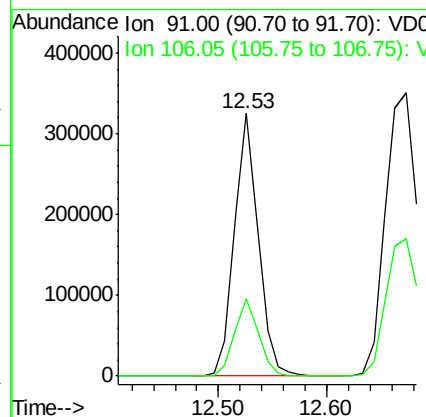
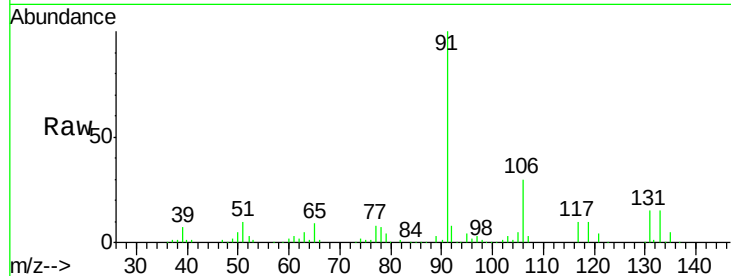




#67
Ethyl Benzene
Concen: 19.681 ug/l
RT: 12.53 min Scan# 1128
Delta R.T. -0.00 min
Lab File: VD062032.D
Acq: 25 Apr 2019 12:01

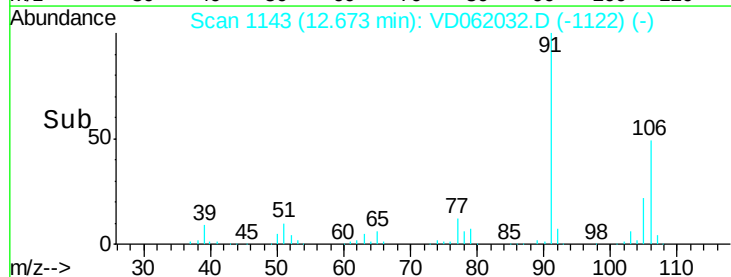
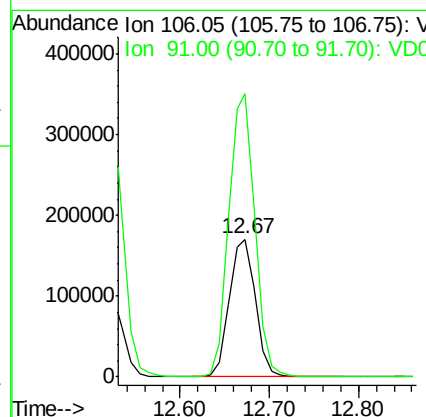
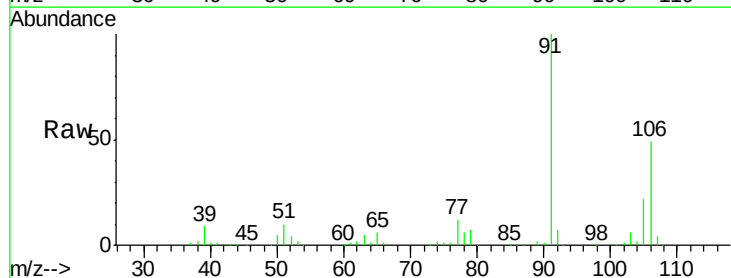
Instrument :
MSVOA_D
ClientSampleId :
VD0425SBS01

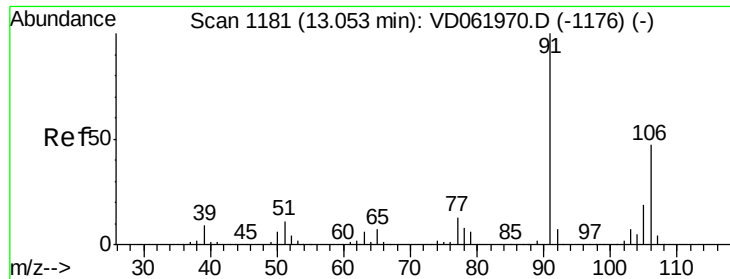
Tot Ion: 91 Resp: 501628
Ion Ratio Lower Upper
91 100
106 29.6 24.7 37.1



#68
m/p-Xylenes
Concen: 37.999 ug/l
RT: 12.67 min Scan# 1143
Delta R.T. 0.01 min
Lab File: VD062032.D
Acq: 25 Apr 2019 12:01

Tgt Ion: 106 Resp: 350047
Ion Ratio Lower Upper
106 100
91 205.7 164.0 246.0

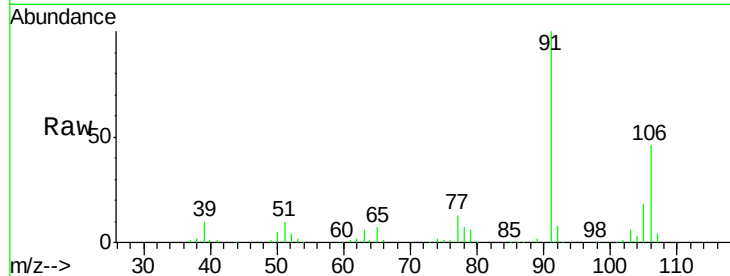




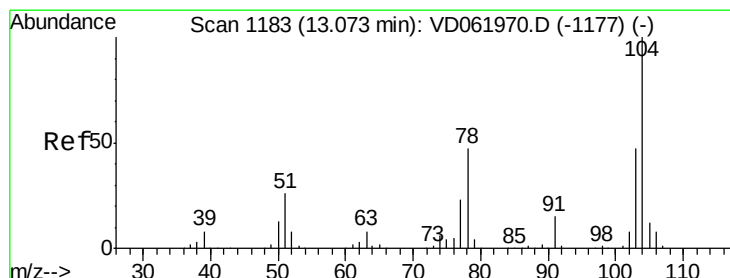
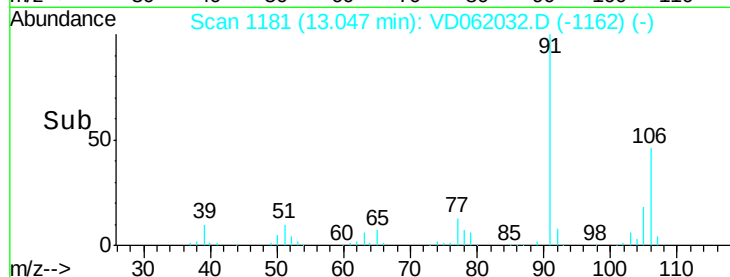
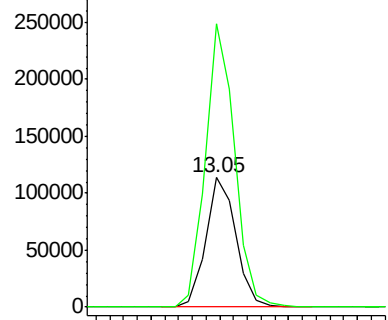
#69
o-Xylene
Concen: 20.413 ug/l
RT: 13.05 min Scan# 1181
Delta R.T. -0.01 min
Lab File: VD062032.D
Acq: 25 Apr 2019 12:01

Instrument :
MSVOA_D
ClientSampleId :
VD0425SBS01

Tot Ion:106 Resp: 172059
Ion Ratio Lower Upper
106 100
91 218.3 106.7 319.9

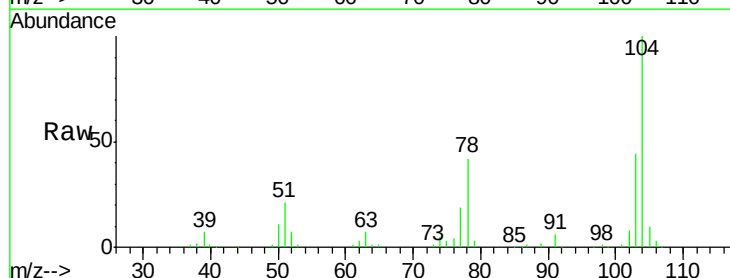


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): VDC

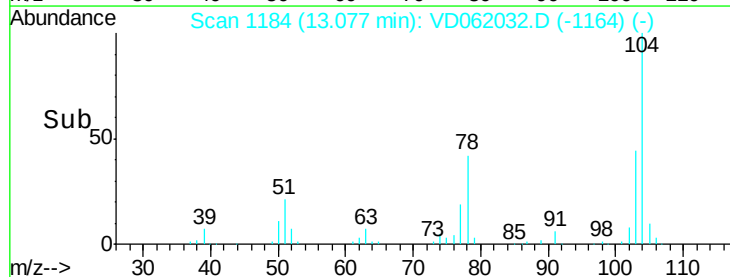
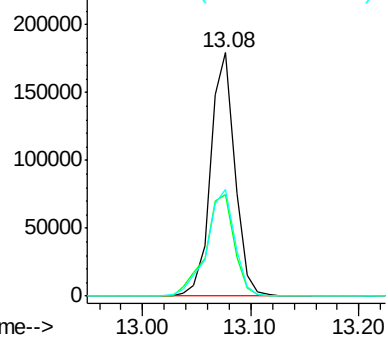


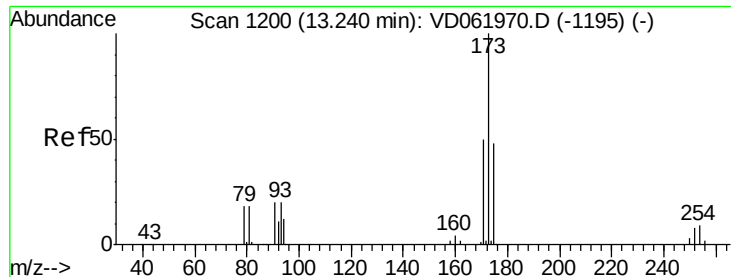
#70
Styrene
Concen: 19.153 ug/l
RT: 13.08 min Scan# 1184
Delta R.T. -0.00 min
Lab File: VD062032.D
Acq: 25 Apr 2019 12:01

Tgt Ion:104 Resp: 278753
Ion Ratio Lower Upper
104 100
78 41.5 35.4 53.2
103 43.9 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: 20.288 ug/l

RT: 13.23 min Scan# 1200

Delta R.T. -0.00 min

Lab File: VD062032.D

Acq: 25 Apr 2019 12:01

Instrument :

MSVOA_D

ClientSampleId :

VD0425SBSD01

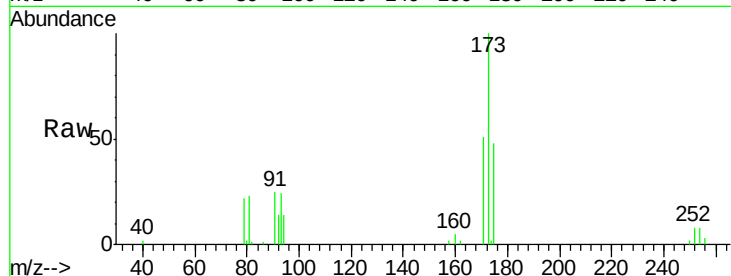
Tot Ion:173 Resp: 76615

Ion Ratio Lower Upper

173 100

175 47.8 24.4 73.4

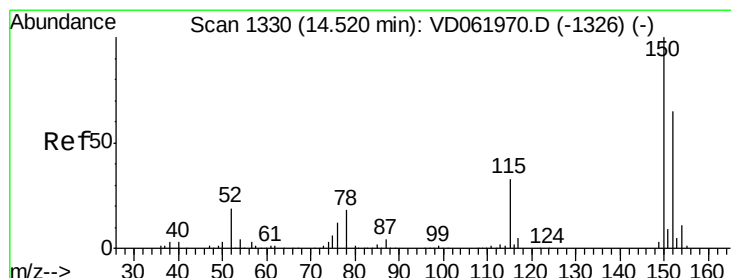
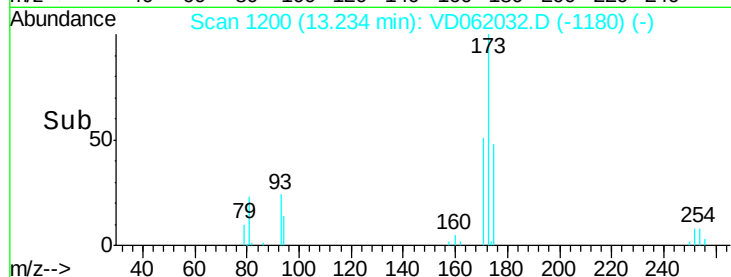
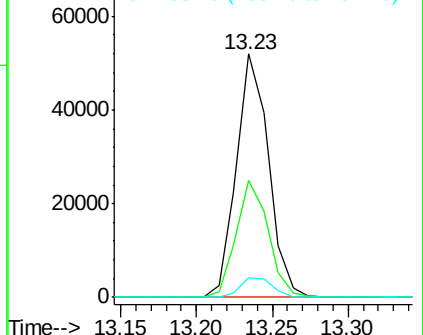
254 8.1 5.4 8.2



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# 1331

Delta R.T. -0.00 min

Lab File: VD062032.D

Acq: 25 Apr 2019 12:01

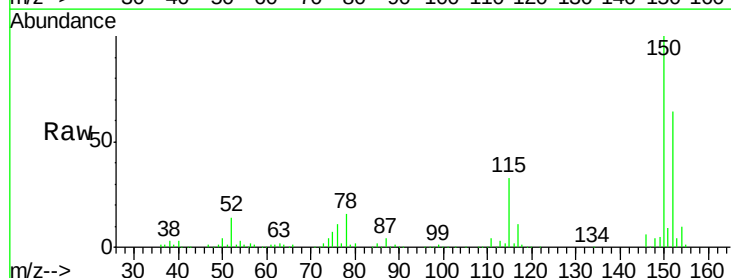
Tgt Ion:152 Resp: 385383

Ion Ratio Lower Upper

152 100

115 50.8 30.9 92.7

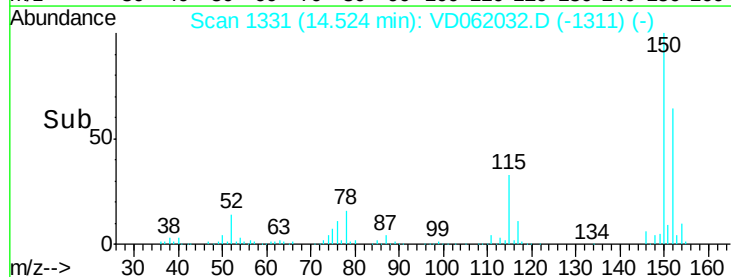
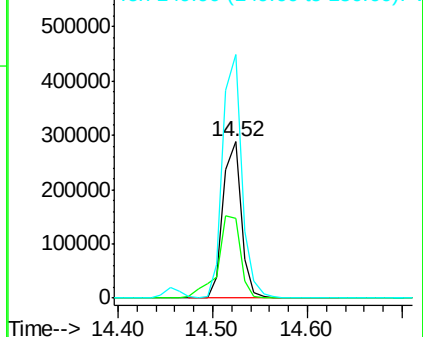
150 155.8 0.0 314.8

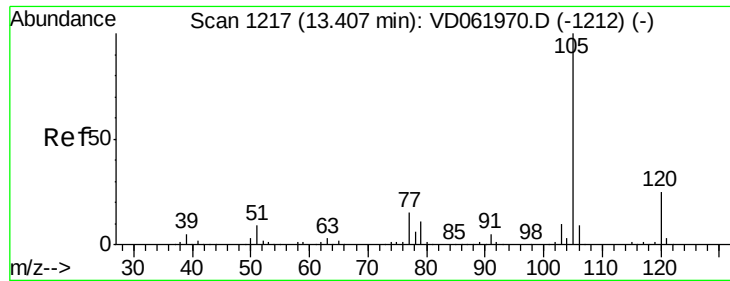


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 115.00 (114.70 to 115.70): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 17.655 ug/l

RT: 13.40 min Scan# 1217

Delta R.T. -0.00 min

Lab File: VD062032.D

Acq: 25 Apr 2019 12:01

Instrument :

MSVOA_D

ClientSampleId :

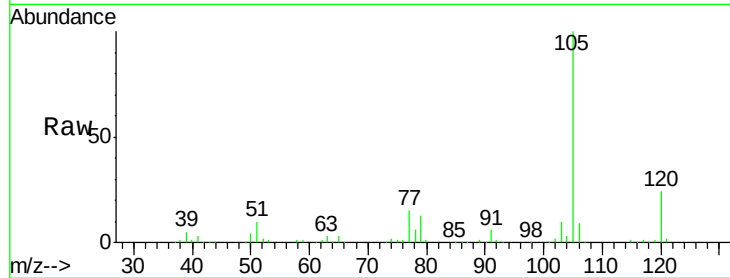
VD0425SBS01

Tot Ion:105 Resp: 453873

Ion Ratio Lower Upper

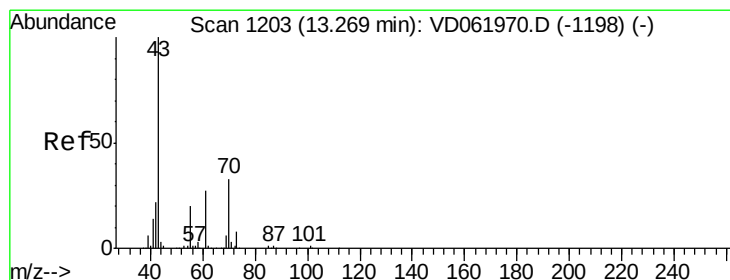
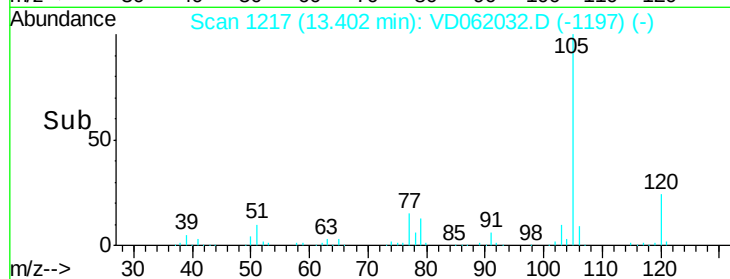
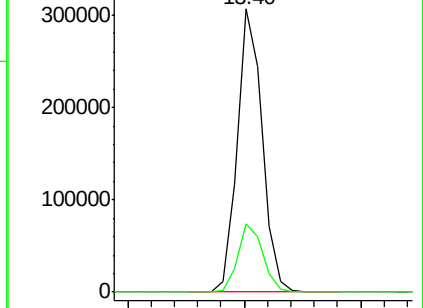
105 100

120 24.3 12.0 36.1



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#74

N-ethyl acetate

Concen: 19.093 ug/l

RT: 13.26 min Scan# 1203

Delta R.T. -0.00 min

Lab File: VD062032.D

Acq: 25 Apr 2019 12:01

Tgt Ion: 43 Resp: 126411

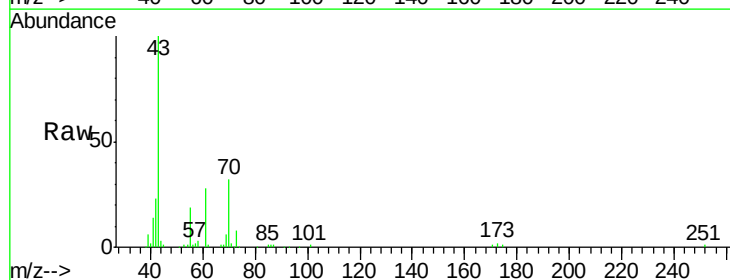
Ion Ratio Lower Upper

43 100

70 32.4 24.2 36.4

55 19.2 16.0 24.0

61 27.8 21.6 32.4

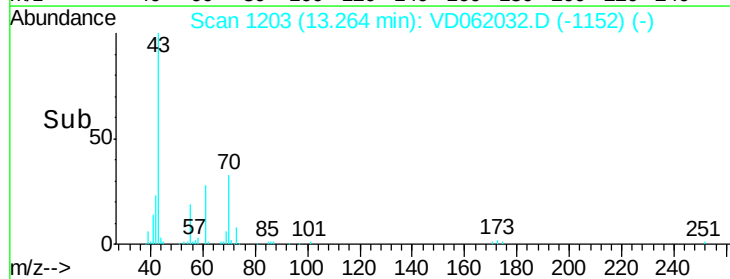
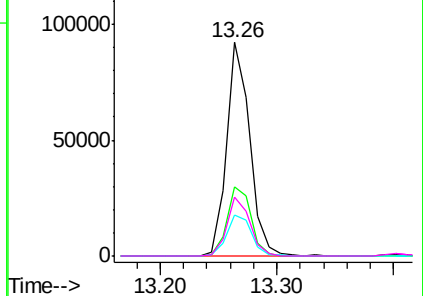


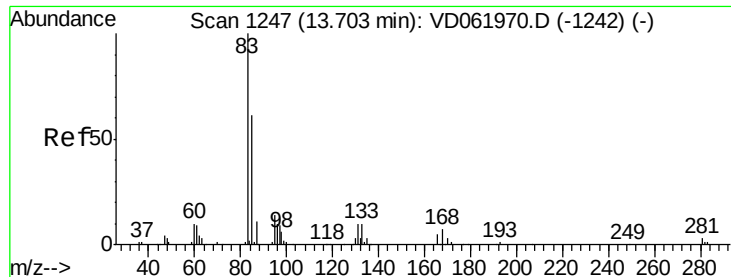
Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 60.95 (60.65 to 61.65): VDC





#75

1,1,2,2-Tetrachloroethane

Concen: 19.176 ug/l

RT: 13.70 min Scan# 1247

Delta R.T. -0.00 min

Lab File: VD062032.D

Acq: 25 Apr 2019 12:01

Instrument :

MSVOA_D

ClientSampleId :

VD0425SBS01

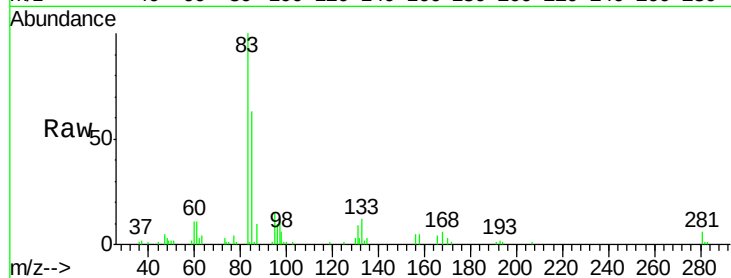
Tot Ion: 83 Resp: 96602

Ion Ratio Lower Upper

83 100

131 9.1 5.0 14.9

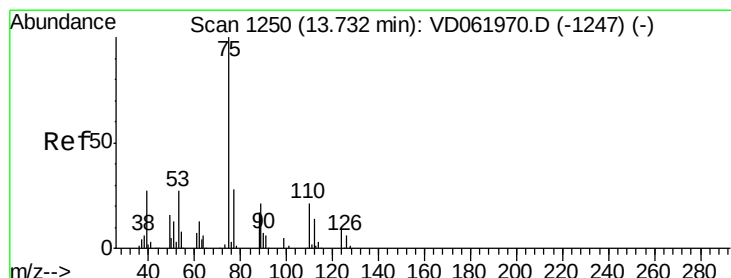
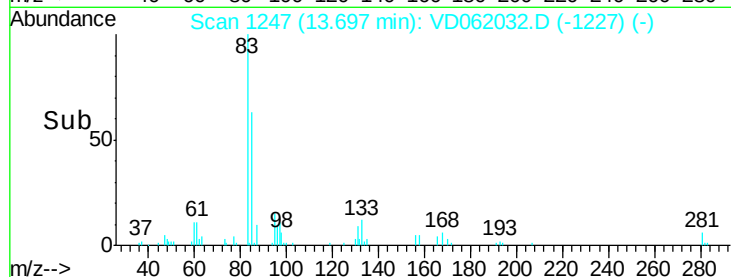
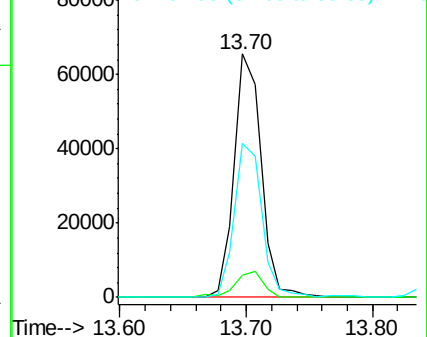
85 63.3 32.6 97.7



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



#76

1,2,3-Trichloropropane

Concen: 20.064 ug/l

RT: 13.74 min Scan# 1251

Delta R.T. -0.00 min

Lab File: VD062032.D

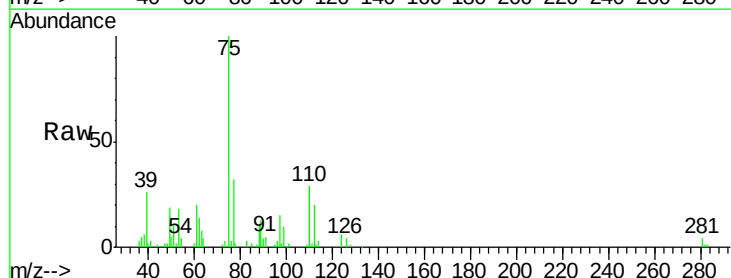
Acq: 25 Apr 2019 12:01

Tgt Ion: 75 Resp: 98191

Ion Ratio Lower Upper

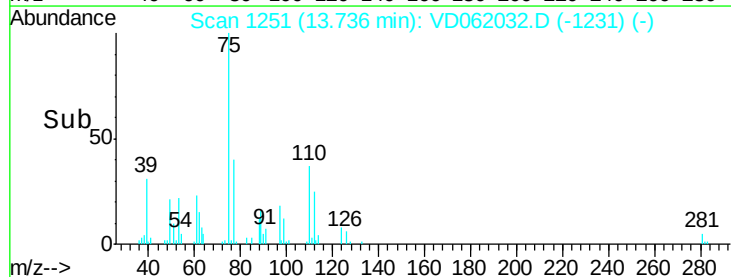
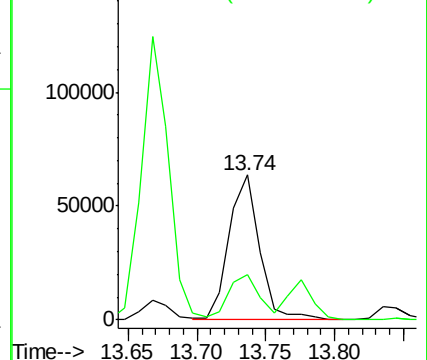
75 100

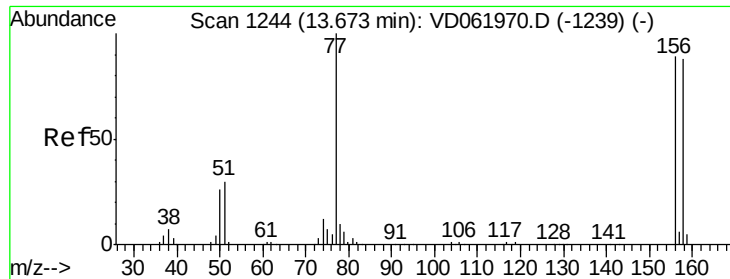
77 31.7 16.4 49.4



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 19.134 ug/l

RT: 13.67 min Scan# 1244

Delta R.T. -0.00 min

Lab File: VD062032.D

Acq: 25 Apr 2019 12:01

Instrument :

MSVOA_D

ClientSampleId :

VD0425SBS01

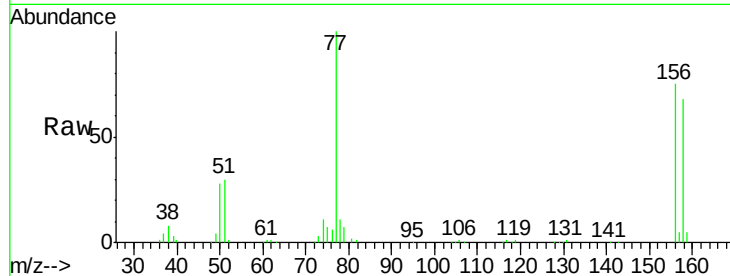
Tot Ion:156 Resp: 141107

Ion Ratio Lower Upper

156 100

77 133.5 53.1 159.4

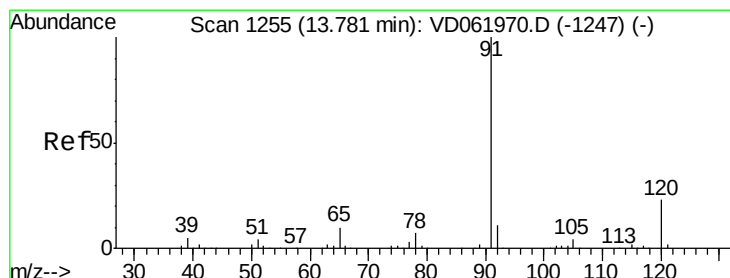
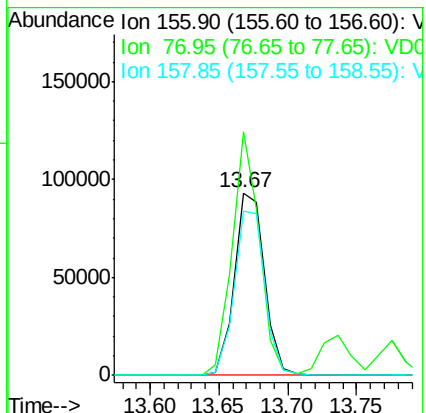
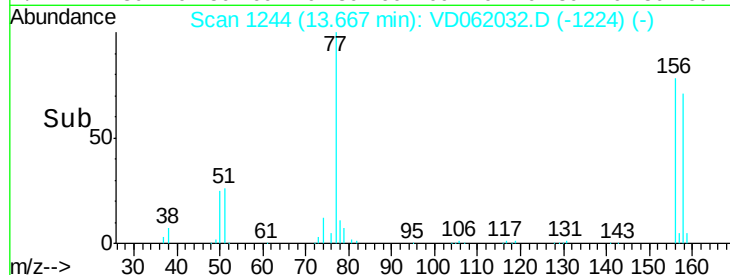
158 90.3 49.4 148.0



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: 19.695 ug/l

RT: 13.78 min Scan# 1255

Delta R.T. -0.00 min

Lab File: VD062032.D

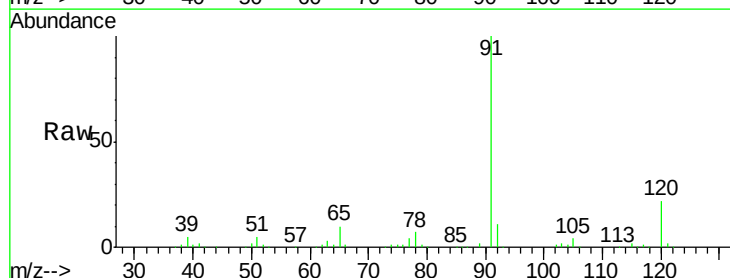
Acq: 25 Apr 2019 12:01

Tgt Ion: 91 Resp: 579619

Ion Ratio Lower Upper

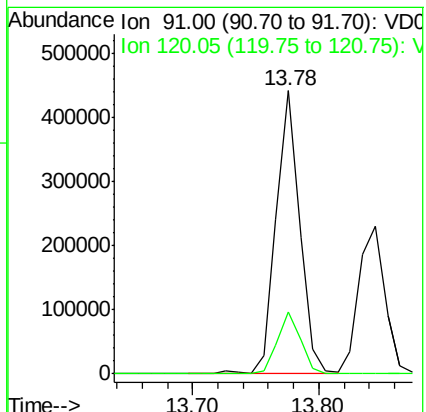
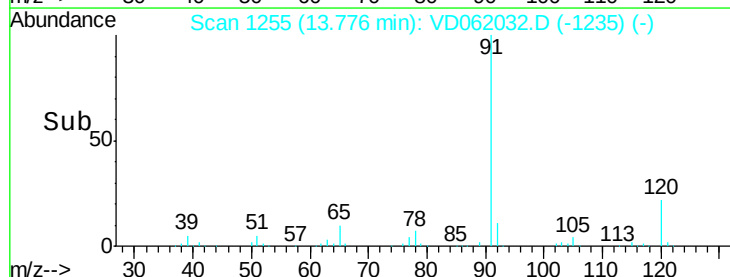
91 100

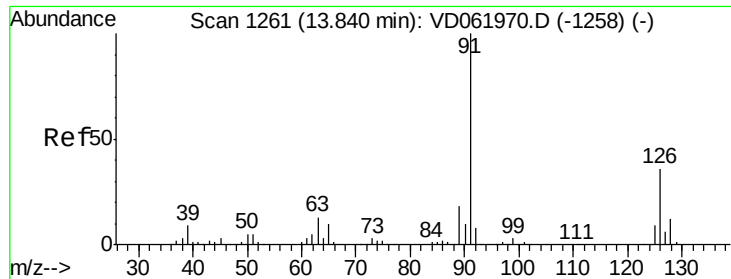
120 22.0 11.1 33.1



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V

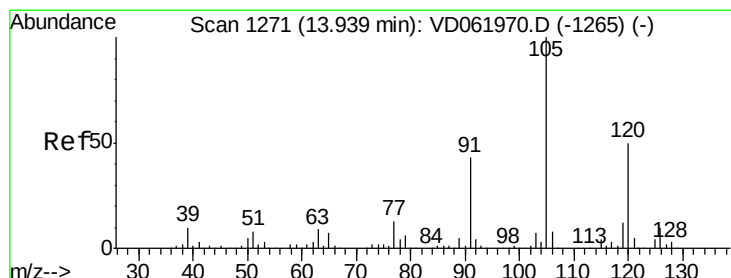
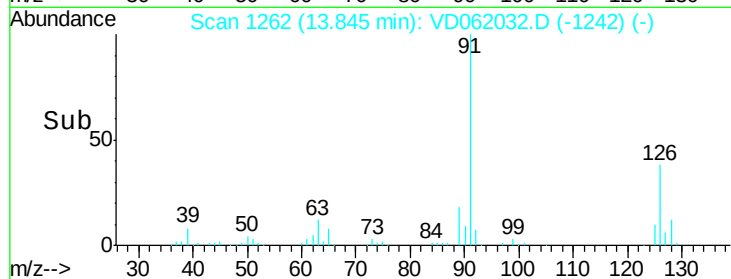
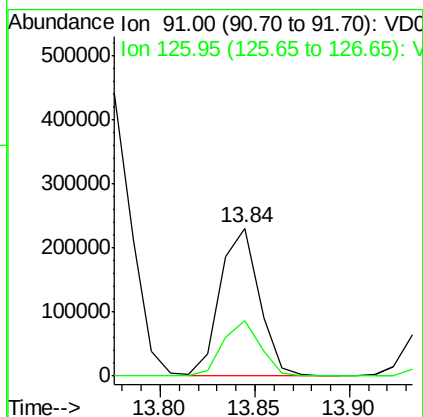
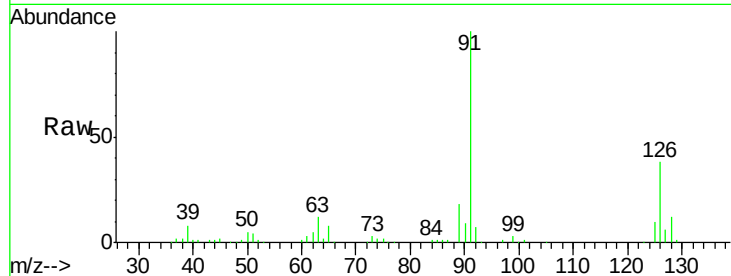




#79
 2-Chlorotoluene
 Concen: 18.446 ug/l
 RT: 13.84 min Scan# 1262
 Delta R.T. -0.00 min
 Lab File: VD062032.D
 Acq: 25 Apr 2019 12:01

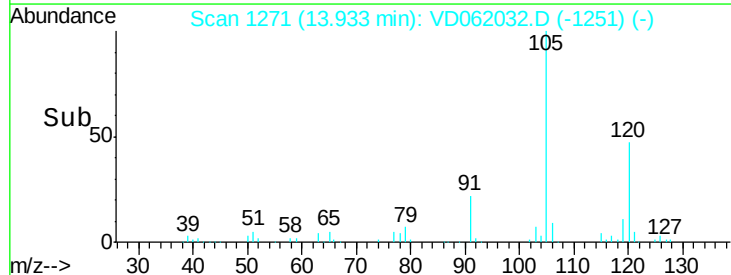
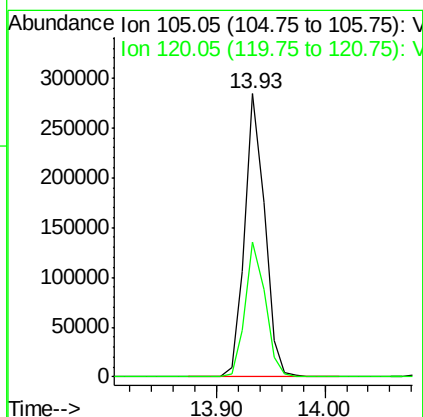
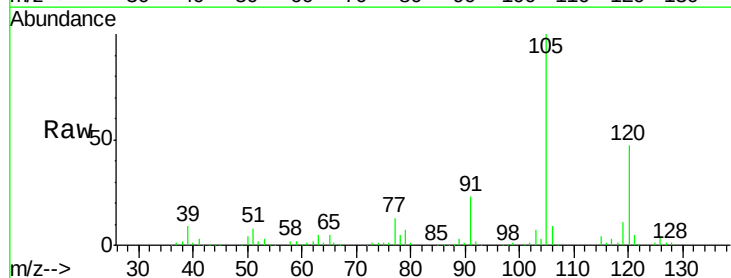
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0425SBS01

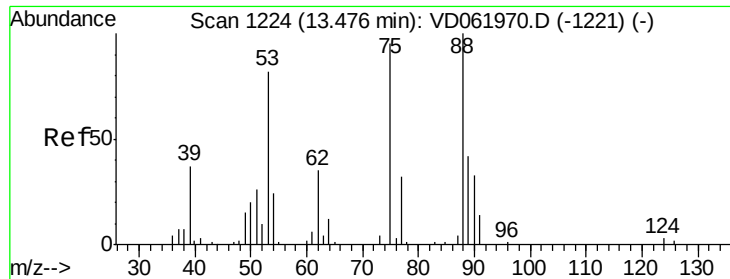
Tot Ion: 91 Resp: 328814
 Ion Ratio Lower Upper
 91 100
 126 37.7 18.6 55.8



#80
 1,3,5-Trimethylbenzene
 Concen: 17.862 ug/l
 RT: 13.93 min Scan# 1271
 Delta R.T. -0.00 min
 Lab File: VD062032.D
 Acq: 25 Apr 2019 12:01

Tgt Ion: 105 Resp: 366142
 Ion Ratio Lower Upper
 105 100
 120 47.5 24.0 72.0

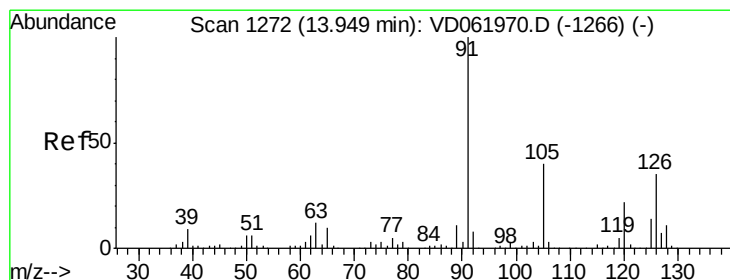
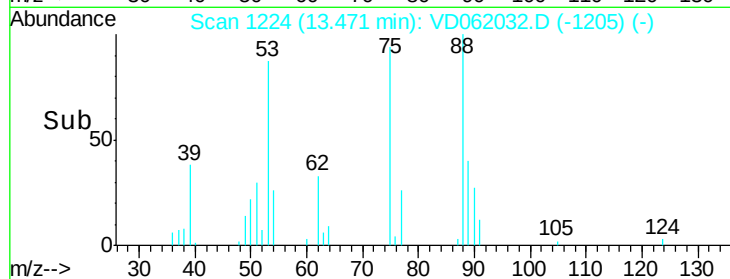
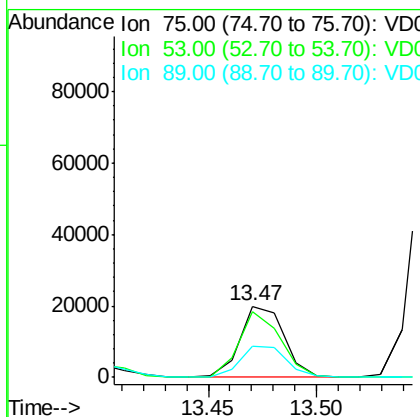
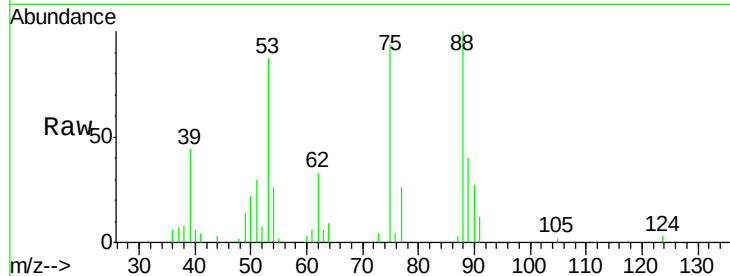




#81
trans-1,4-Dichloro-2-butene
Concen: 18.980 ug/l
RT: 13.47 min Scan# 1224
Delta R.T. -0.01 min
Lab File: VD062032.D
Acq: 25 Apr 2019 12:01

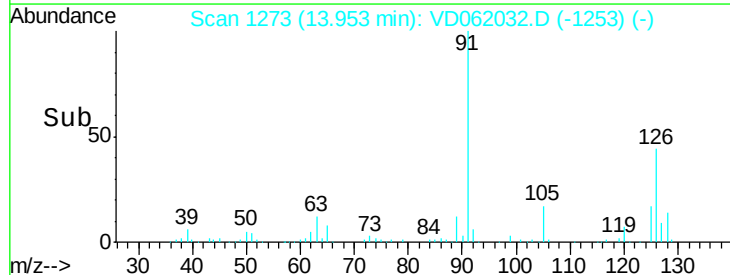
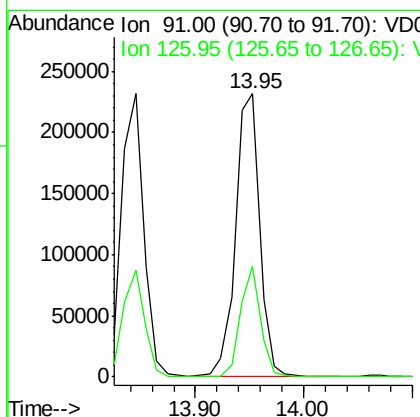
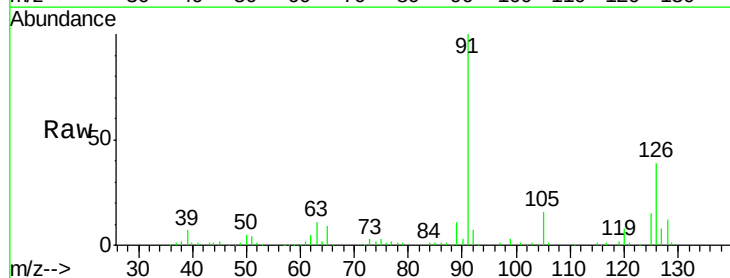
Instrument :
MSVOA_D
ClientSampleId :
VD0425SBSD01

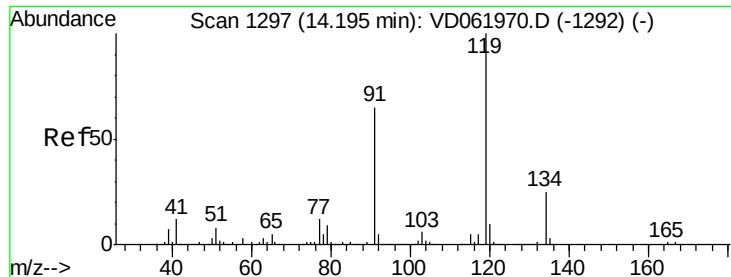
Tot Ion: 75 Resp: 28148
Ion Ratio Lower Upper
75 100
53 92.3 65.8 98.8
89 43.1 35.0 52.6



#82
4-Chlorotoluene
Concen: 18.240 ug/l
RT: 13.95 min Scan# 1273
Delta R.T. -0.00 min
Lab File: VD062032.D
Acq: 25 Apr 2019 12:01

Tgt Ion: 91 Resp: 358071
Ion Ratio Lower Upper
91 100
126 38.9 19.1 57.5

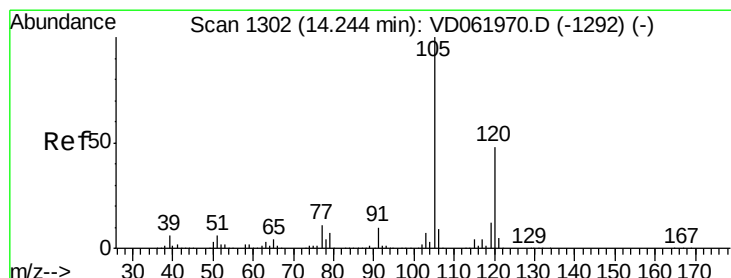
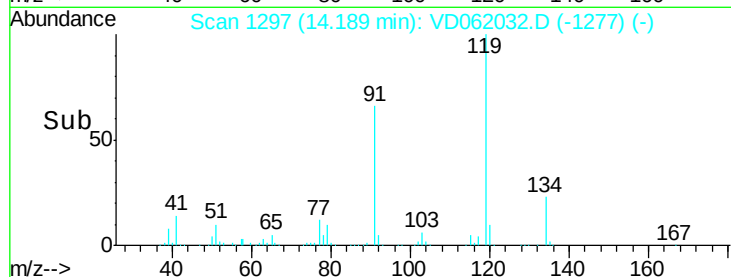
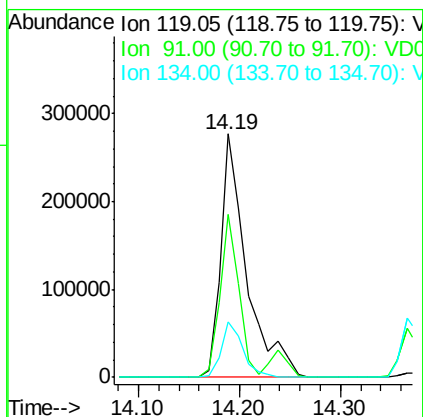
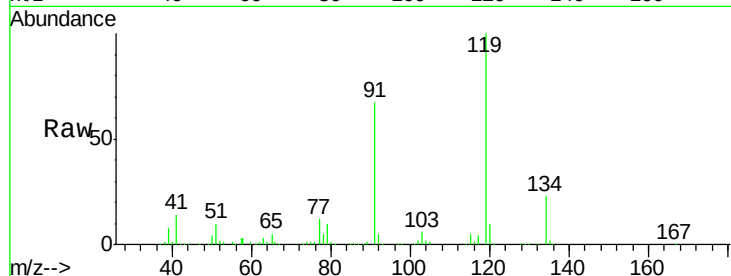




#83
 tert-Butylbenzene
 Concen: 20.799 ug/l
 RT: 14.19 min Scan# 1297
 Delta R.T. -0.00 min
 Lab File: VD062032.D
 Acq: 25 Apr 2019 12:01

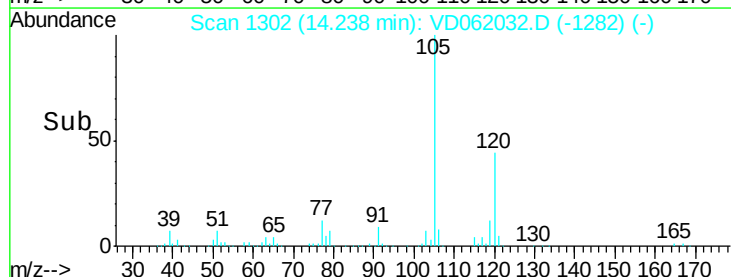
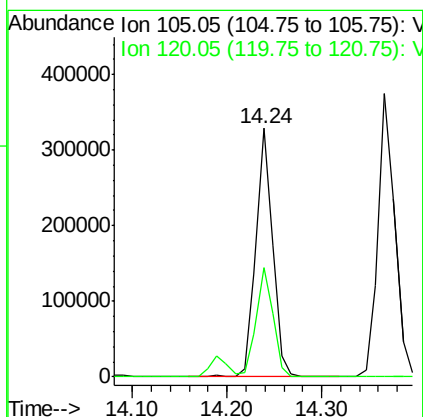
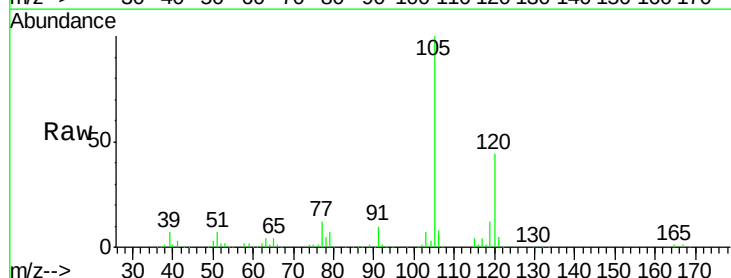
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0425SBSD01

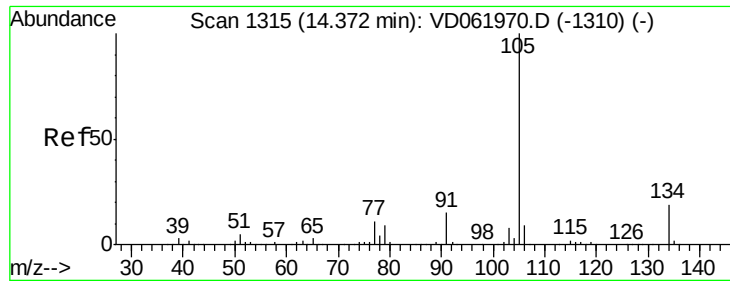
Tot Ion:119 Resp: 493898
 Ion Ratio Lower Upper
 119 100
 91 66.8 34.2 102.6
 134 22.9 12.0 36.0



#84
 1,2,4-Trimethylbenzene
 Concen: 20.684 ug/l
 RT: 14.24 min Scan# 1302
 Delta R.T. -0.00 min
 Lab File: VD062032.D
 Acq: 25 Apr 2019 12:01

Tgt Ion:105 Resp: 404847
 Ion Ratio Lower Upper
 105 100
 120 43.8 23.1 69.2





#85

sec-Butylbenzene

Concen: 18.410 ug/l

RT: 14.37 min Scan# 1315

Delta R.T. -0.00 min

Lab File: VD062032.D

Acq: 25 Apr 2019 12:01

Instrument :

MSVOA_D

ClientSampleId :

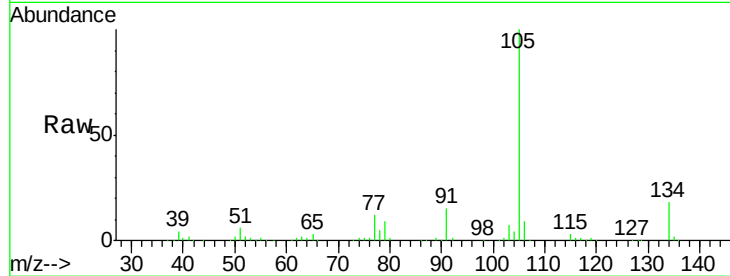
VD0425SBS01

Tot Ion:105 Resp: 472362

Ion Ratio Lower Upper

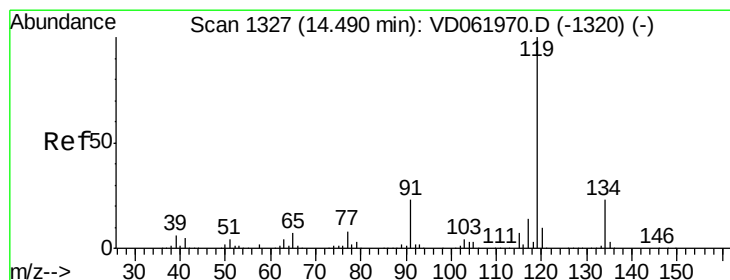
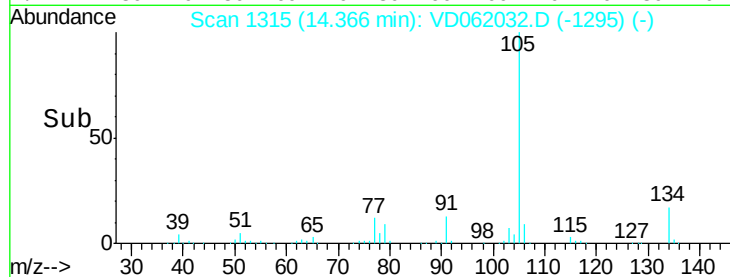
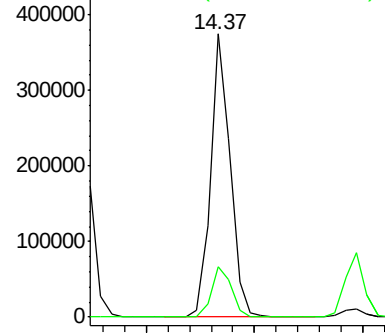
105 100

134 17.8 8.9 26.7



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 134.10 (133.80 to 134.80): V



#86

p-Isopropyltoluene

Concen: 19.147 ug/l

RT: 14.49 min Scan# 1328

Delta R.T. -0.00 min

Lab File: VD062032.D

Acq: 25 Apr 2019 12:01

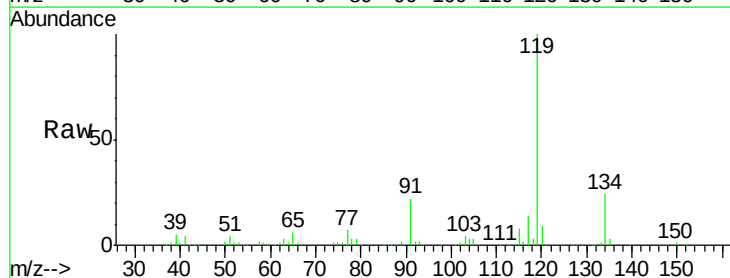
Tgt Ion:119 Resp: 439669

Ion Ratio Lower Upper

119 100

134 24.2 12.8 38.3

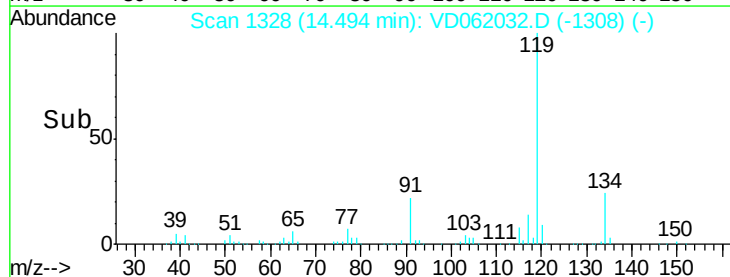
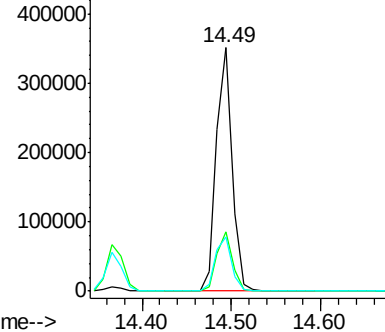
91 22.2 10.7 32.1

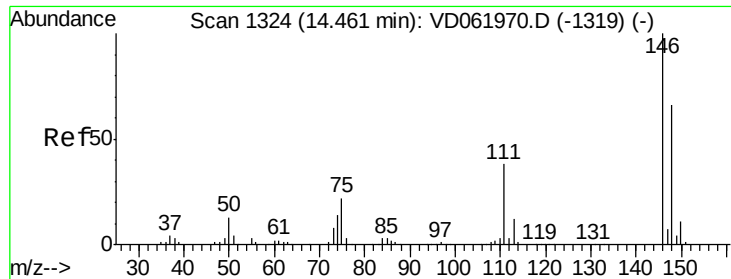


Abundance Ion 119.05 (118.75 to 119.75): V

Ion 134.10 (133.80 to 134.80): V

Ion 91.00 (90.70 to 91.70): V

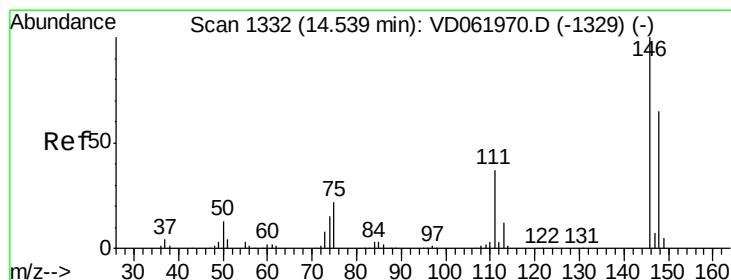
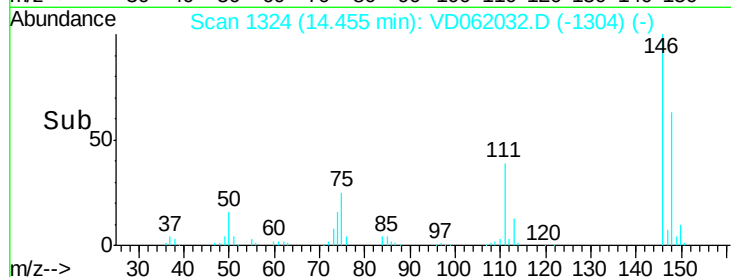
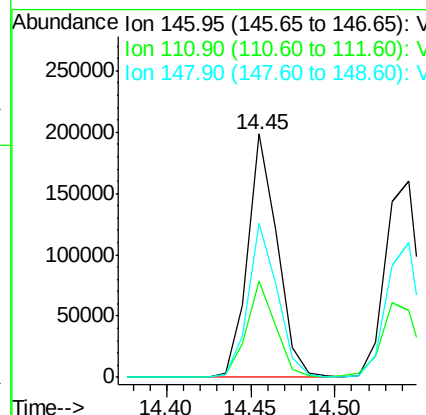
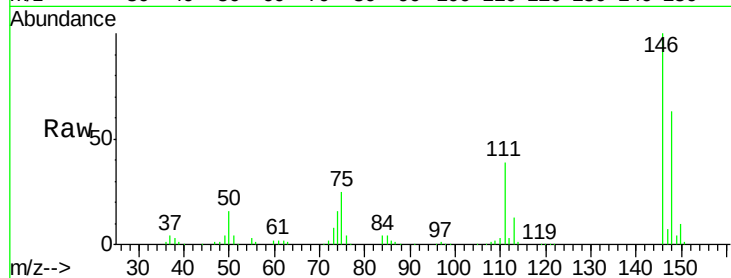




#87
 1,3-Dichlorobenzene
 Concen: 18.789 ug/l
 RT: 14.45 min Scan# 1324
 Delta R.T. -0.00 min
 Lab File: VD062032.D
 Acq: 25 Apr 2019 12:01

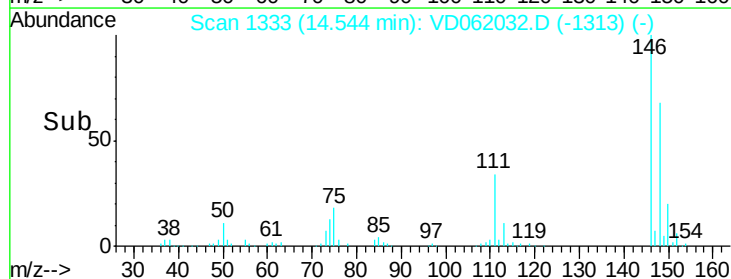
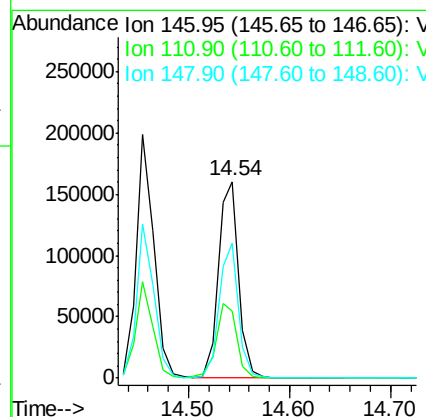
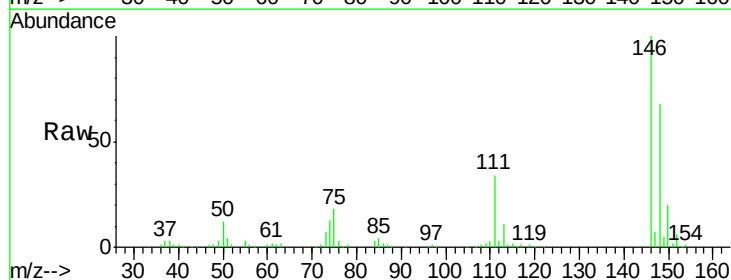
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0425SBS01

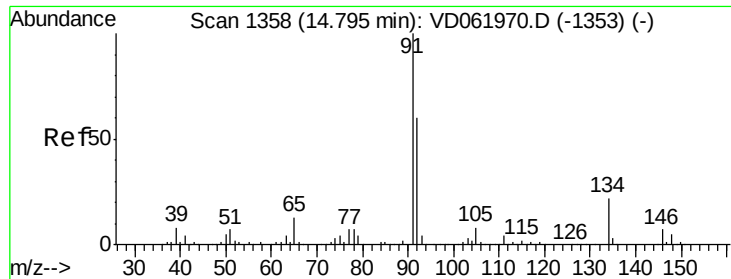
Tot Ion	Ratio	Lower	Upper
146	100		
111	39.4	20.0	60.0
148	63.1	31.8	95.4



#88
 1,4-Dichlorobenzene
 Concen: 18.697 ug/l
 RT: 14.54 min Scan# 1333
 Delta R.T. -0.00 min
 Lab File: VD062032.D
 Acq: 25 Apr 2019 12:01

Tgt Ion	Ratio	Lower	Upper
146	100		
111	34.2	20.2	60.5
148	68.2	32.0	96.2





#89

n-Butylbenzene

Concen: 19.560 ug/l

RT: 14.80 min Scan# 1359

Delta R.T. -0.00 min

Lab File: VD062032.D

Acq: 25 Apr 2019 12:01

Instrument :

MSVOA_D

ClientSampleId :

VD0425SBS01

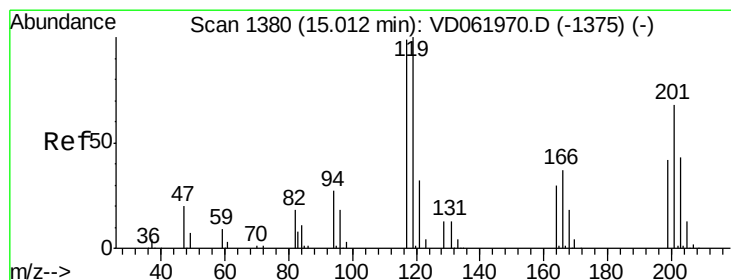
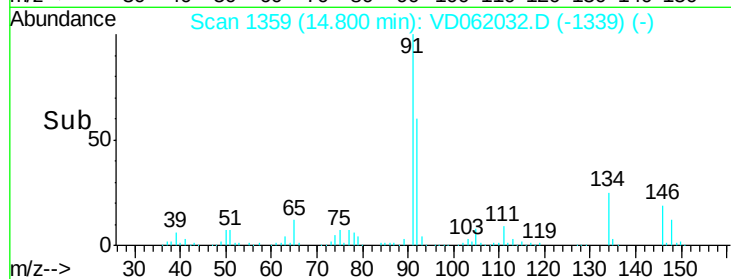
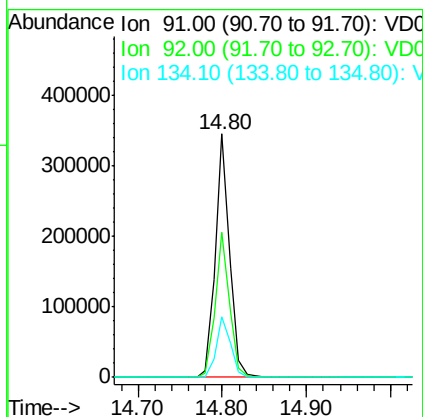
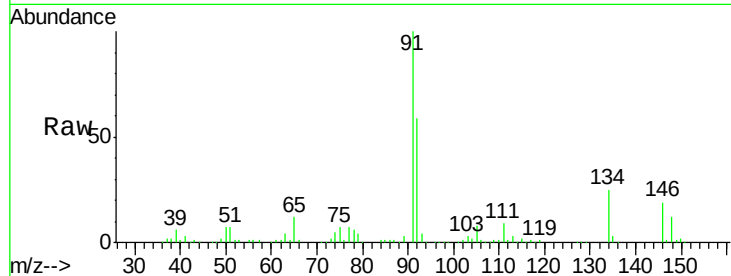
Tot Ion: 91 Resp: 403253

Ion Ratio Lower Upper

91 100

92 59.5 30.3 91.0

134 24.7 14.5 43.6



#90

Hexachloroethane

Concen: 19.214 ug/l

RT: 15.01 min Scan# 1380

Delta R.T. -0.00 min

Lab File: VD062032.D

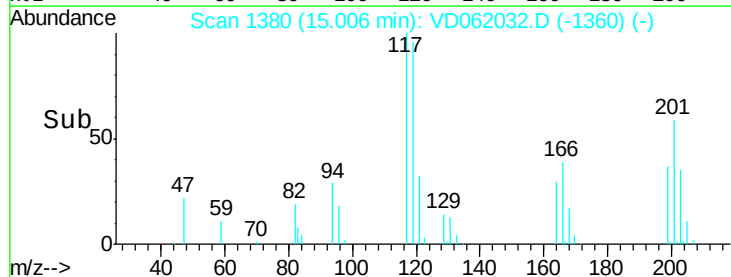
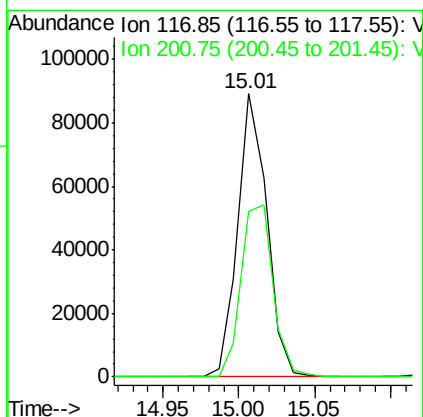
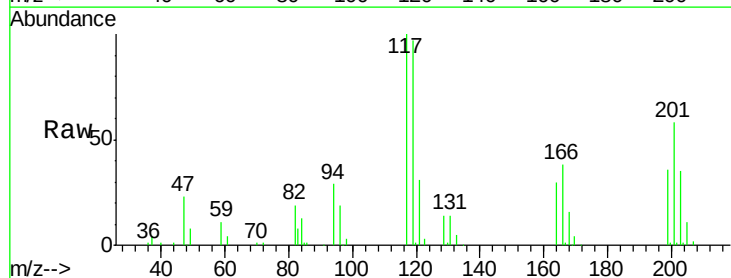
Acq: 25 Apr 2019 12:01

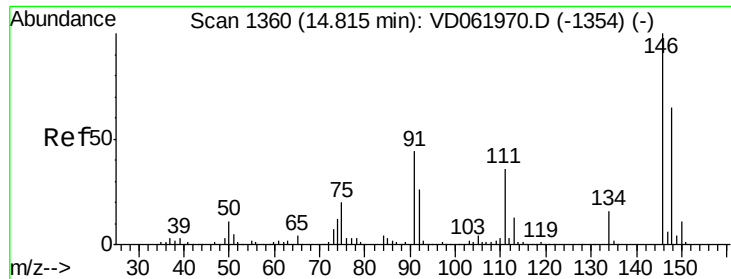
Tgt Ion: 117 Resp: 119310

Ion Ratio Lower Upper

117 100

201 58.4 30.2 90.6

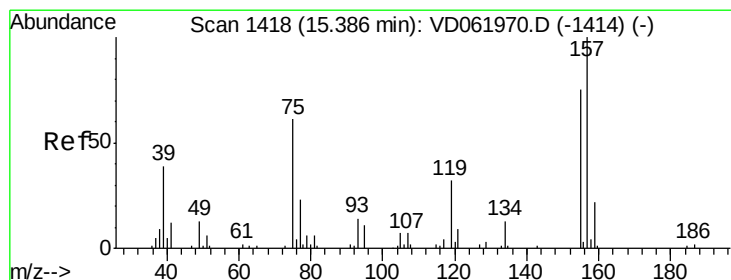
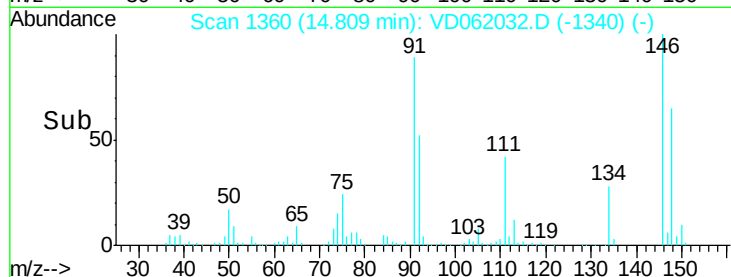
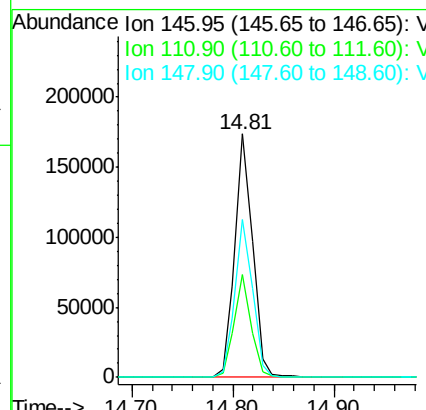
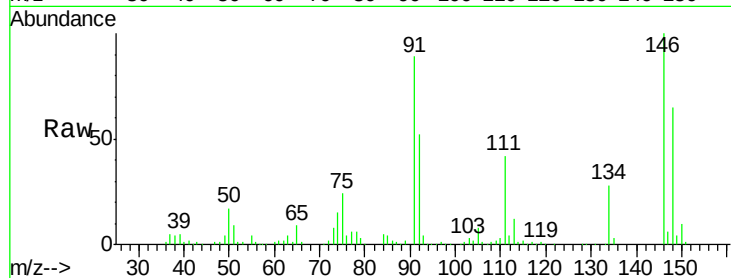




#91
 1,2-Dichlorobenzene
 Concen: 20.012 ug/l
 RT: 14.81 min Scan# 1360
 Delta R.T. -0.00 min
 Lab File: VD062032.D
 Acq: 25 Apr 2019 12:01

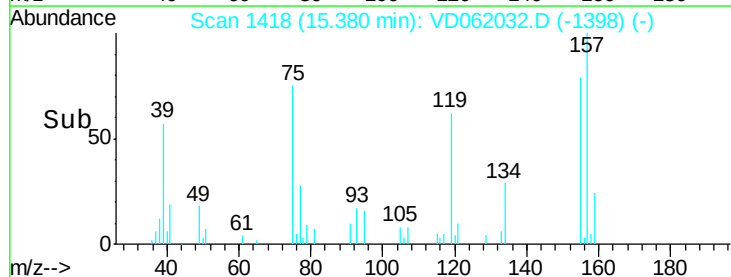
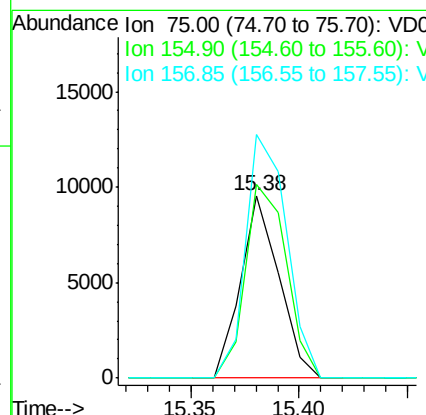
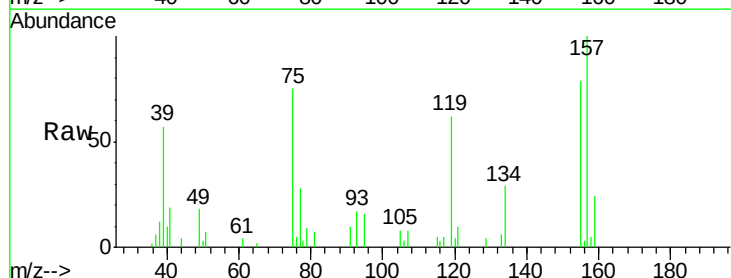
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0425SBSD01

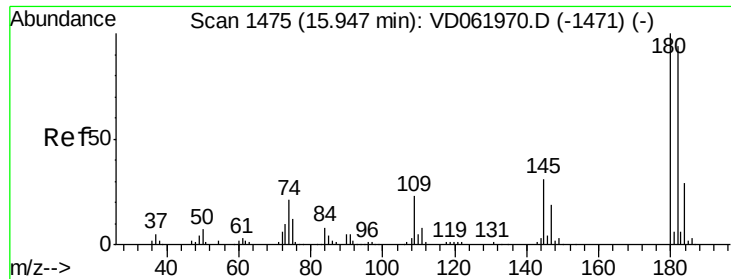
Tot Ion:146 Resp: 213191
 Ion Ratio Lower Upper
 146 100
 111 42.1 20.0 59.9
 148 64.9 32.3 96.8



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 17.609 ug/l
 RT: 15.38 min Scan# 1418
 Delta R.T. 0.00 min
 Lab File: VD062032.D
 Acq: 25 Apr 2019 12:01

Tgt Ion: 75 Resp: 11764
 Ion Ratio Lower Upper
 75 100
 155 106.1 55.3 165.8
 157 133.5 67.8 203.2

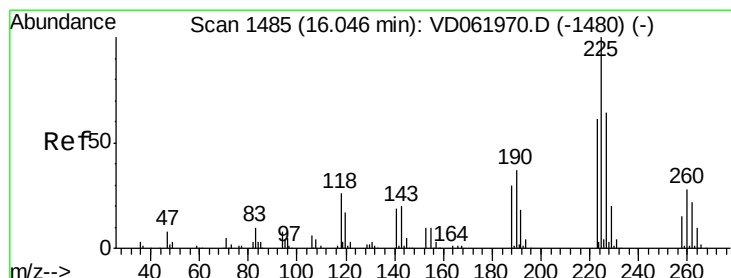
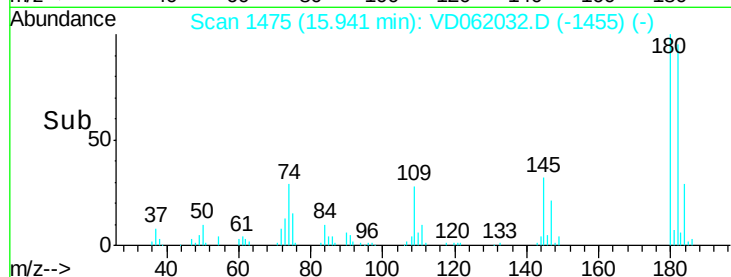
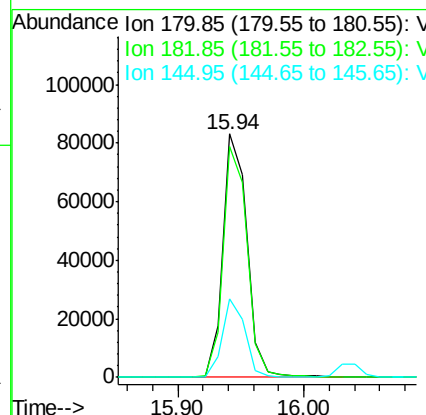
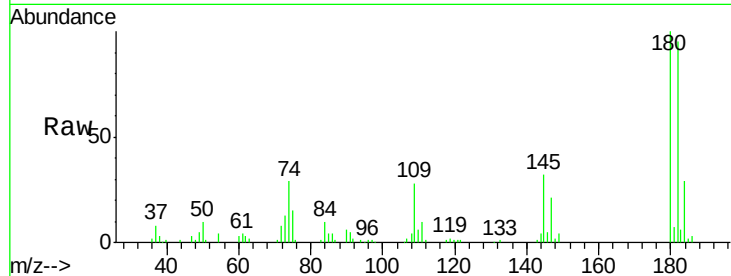




#93
 1,2,4-Trichlorobenzene
 Concen: 19.143 ug/l
 RT: 15.94 min Scan# 1475
 Delta R.T. -0.00 min
 Lab File: VD062032.D
 Acq: 25 Apr 2019 12:01

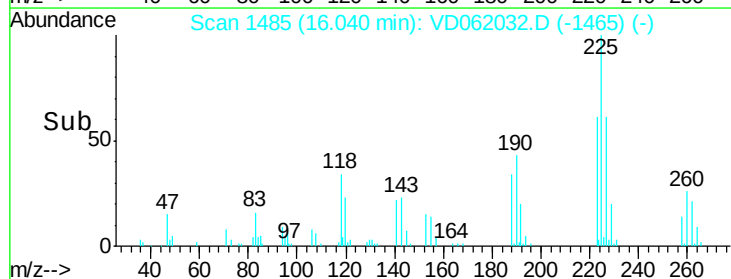
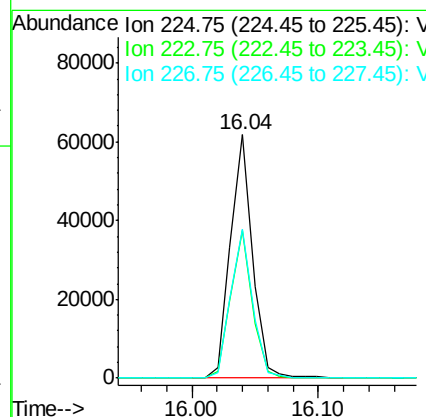
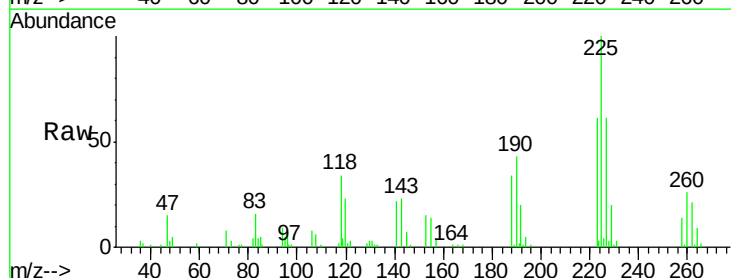
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0425SBSD01

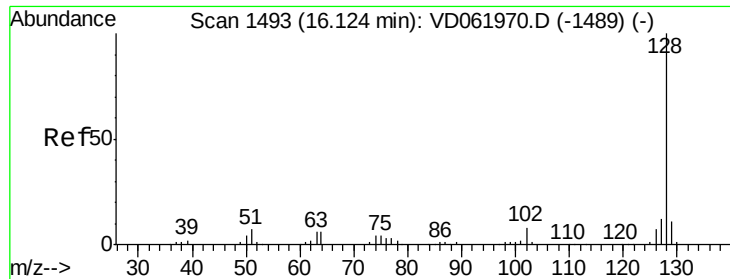
Tot Ion	Ratio	Lower	Upper
180	100		
182	94.6	49.3	147.8
145	32.3	16.2	48.6



#94
 Hexachlorobutadiene
 Concen: 17.525 ug/l
 RT: 16.04 min Scan# 1485
 Delta R.T. -0.00 min
 Lab File: VD062032.D
 Acq: 25 Apr 2019 12:01

Tgt Ion	Ratio	Lower	Upper
225	100		
223	60.6	30.6	92.0
227	61.2	32.0	96.2





#95

Naphthalene

Concen: 19.385 ug/l

RT: 16.13 min Scan# 1494

Delta R.T. -0.00 min

Lab File: VD062032.D

Acq: 25 Apr 2019 12:01

Instrument :

MSVOA_D

ClientSampleId :

VD0425SBSD01

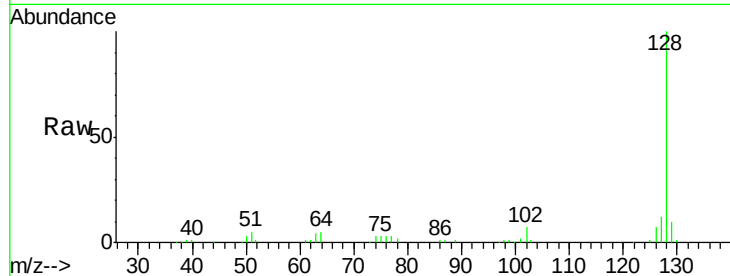
Tot Ion:128 Resp: 179909

Ion Ratio Lower Upper

128 100

127 11.9 9.8 14.8

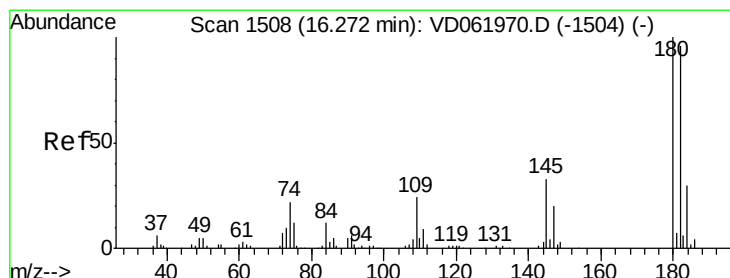
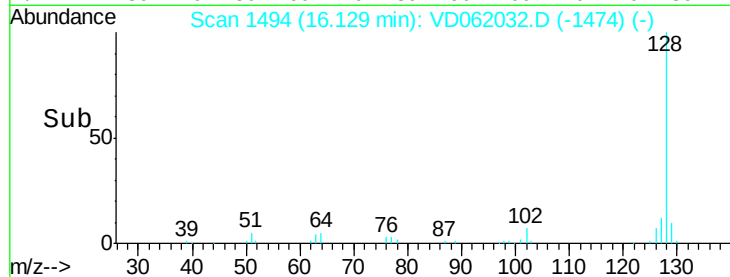
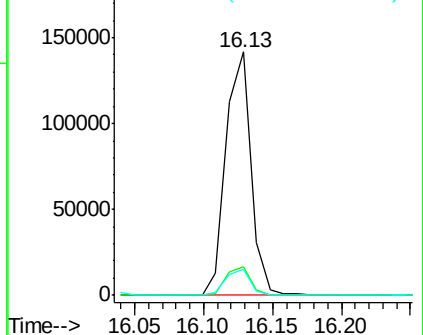
129 10.4 8.8 13.2



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 20.578 ug/l

RT: 16.28 min Scan# 1509

Delta R.T. 0.01 min

Lab File: VD062032.D

Acq: 25 Apr 2019 12:01

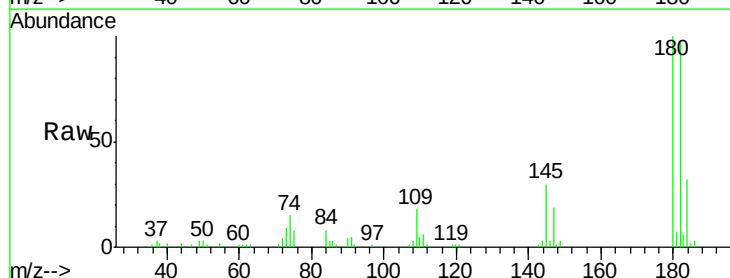
Tgt Ion:180 Resp: 67111

Ion Ratio Lower Upper

180 100

182 97.0 47.0 141.0

145 30.4 17.0 51.0



Abundance Ion 179.85 (179.55 to 180.55): V

Ion 181.85 (181.55 to 182.55): V

Ion 144.95 (144.65 to 145.65): V

