

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD040519\
 Data File : VD061617.D
 Acq On : 5 Apr 2019 13:31
 Operator : VA/AP
 Sample : VD0405SBS01
 Misc : 5.00g/5ml/MSVOA_D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0405SBS01

Quant Time: Apr 05 13:59:28 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D032719S.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 28 09:22:37 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.02	168	600751	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.20	114	1004259	50.00	ug/l	0.01
63) Chlorobenzene-d5	12.36	117	769144	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.51	152	380985	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.43	65	263655	51.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.76%	
35) Dibromofluoromethane	6.90	113	410487	53.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.98%	
50) Toluene-d8	10.39	98	1044679	56.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	113.52%	
62) 4-Bromofluorobenzene	13.55	95	392286	55.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.16%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.58	85	139455	21.736	ug/l	99
3) Chloromethane	1.76	50	118622	22.671	ug/l	99
4) Vinyl Chloride	1.85	62	109202	22.730	ug/l	97
5) Bromomethane	2.15	94	20115	21.114	ug/l	92
6) Chloroethane	2.26	64	32444	23.028	ug/l	100
7) Trichlorofluoromethane	2.52	101	165346	23.668	ug/l	99
8) Diethyl Ether	2.87	74	46755	20.787	ug/l	92
9) 1,1,2-Trichlorotrifluoroet	3.14	101	163413	21.758	ug/l	92
10) Methyl Iodide	3.30	142	199788	19.751	ug/l	98
11) Tert butyl alcohol	4.05	59	31624	98.950	ug/l #	91
12) 1,1-Dichloroethene	3.12	96	147357	22.852	ug/l	99
13) Acrolein	3.03	56	18503	58.428	ug/l	89
14) Allyl chloride	3.61	41	200299	22.271	ug/l	98
15) Acrylonitrile	4.18	53	120366	108.511	ug/l	95
16) Acetone	3.21	43	141560	107.305	ug/l	98
17) Carbon Disulfide	3.37	76	426016	20.334	ug/l	99
18) Methyl Acetate	3.63	43	60503	21.813	ug/l	95
19) Methyl tert-butyl Ether	4.23	73	250278	22.422	ug/l	99
20) Methylene Chloride	3.80	84	181205	23.502	ug/l	98
21) trans-1,2-Dichloroethene	4.21	96	157536	22.629	ug/l	96
22) Diisopropyl ether	5.10	45	416047	21.860	ug/l	98
23) Vinyl Acetate	5.04	43	1096139	106.028	ug/l	100
24) 1,1-Dichloroethane	4.96	63	256629	22.944	ug/l	99
25) 2-Butanone	6.05	43	174879	105.382	ug/l	99
26) 2,2-Dichloropropane	6.01	77	210937	23.723	ug/l	99
27) cis-1,2-Dichloroethene	6.02	96	176428	23.130	ug/l	93
28) Bromochloromethane	6.42	49	101744	22.534	ug/l #	91
29) Tetrahydrofuran	6.44	42	86200	107.169	ug/l	100
30) Chloroform	6.65	83	264475	22.884	ug/l	99
31) Cyclohexane	6.94	56	198085	22.411	ug/l	98
32) 1,1,1-Trichloroethane	6.85	97	224839	22.052	ug/l	95
36) 1,1-Dichloropropene	7.13	75	204609	23.344	ug/l	98
37) Ethyl Acetate	6.16	43	83107	22.170	ug/l	99
38) Carbon Tetrachloride	7.09	117	249017	24.724	ug/l	94

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD040519\
 Data File : VD061617.D
 Acq On : 5 Apr 2019 13:31
 Operator : VA/AP
 Sample : VD0405SBS01
 Misc : 5.00g/5ml/MSVOA_D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0405SBS01

Quant Time: Apr 05 13:59:28 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D032719S.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 28 09:22:37 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.84	83	215596	23.618	ug/l	97
40) Benzene	7.43	78	481676	21.897	ug/l	98
41) Methacrylonitrile	6.42	41	98096	22.381	ug/l #	92
42) 1,2-Dichloroethane	7.55	62	164099	24.939	ug/l	99
43) Isopropyl Acetate	9.22	43	119669	21.941	ug/l	99
44) Trichloroethene	8.52	130	180693	22.073	ug/l	97
45) 1,2-Dichloropropane	8.92	63	128735	23.079	ug/l	99
46) Dibromomethane	9.04	93	88311	23.522	ug/l	91
47) Bromodichloromethane	9.36	83	203329	24.130	ug/l	98
48) Methyl methacrylate	9.10	41	65123	21.635	ug/l	97
49) 1,4-Dioxane	9.06	88	14512	437.103	ug/l	89
51) 4-Methyl-2-Pentanone	10.28	43	363036	109.407	ug/l	98
52) Toluene	10.49	92	324370	24.170	ug/l	98
53) t-1,3-Dichloropropene	10.89	75	176148	23.008	ug/l	97
54) cis-1,3-Dichloropropene	10.02	75	214970	23.060	ug/l	94
55) 1,1,2-Trichloroethane	11.18	97	100990	21.518	ug/l	98
56) Ethyl methacrylate	11.03	69	111676	22.150	ug/l	99
57) 1,3-Dichloropropane	11.39	76	162075	23.495	ug/l	96
58) 2-Chloroethyl Vinyl ether	9.84	63	272677	111.053	ug/l	98
59) 2-Hexanone	11.52	43	276036	114.817	ug/l	96
60) Dibromochloromethane	11.67	129	164428	22.726	ug/l	99
61) 1,2-Dibromoethane	11.79	107	128235	23.596	ug/l	94
64) Tetrachloroethene	11.24	164	144976	24.017	ug/l	97
65) Chlorobenzene	12.39	112	382289	24.321	ug/l	98
66) 1,1,1,2-Tetrachloroethane	12.50	131	158157	25.986	ug/l	98
67) Ethyl Benzene	12.52	91	640609	26.700	ug/l	98
68) m/p-Xylenes	12.65	106	475885	52.361	ug/l	96
69) o-Xylene	13.04	106	231598	26.259	ug/l	97
70) Styrene	13.06	104	406856	26.463	ug/l	96
71) Bromoform	13.22	173	89742	23.261	ug/l	98
73) Isopropylbenzene	13.39	105	616418	23.247	ug/l	100
74) N-amyl acetate	13.25	43	154282	20.887	ug/l	97
75) 1,1,2,2-Tetrachloroethane	13.69	83	113979	20.377	ug/l	95
76) 1,2,3-Trichloropropane	13.73	75	110207	20.025	ug/l	98
77) Bromobenzene	13.66	156	170086	21.637	ug/l	92
78) n-propylbenzene	13.77	91	716455	22.079	ug/l	99
79) 2-Chlorotoluene	13.82	91	402741	22.858	ug/l	92
80) 1,3,5-Trimethylbenzene	13.92	105	514757	25.020	ug/l	100
81) trans-1,4-Dichloro-2-buten	13.46	75	33681	20.072	ug/l	97
82) 4-Chlorotoluene	13.93	91	484041	25.266	ug/l	87
83) tert-Butylbenzene	14.18	119	575283	22.375	ug/l	97
84) 1,2,4-Trimethylbenzene	14.23	105	478595	21.487	ug/l	98
85) sec-Butylbenzene	14.36	105	618028	22.627	ug/l	99
86) p-Isopropyltoluene	14.48	119	486922	21.082	ug/l	99
87) 1,3-Dichlorobenzene	14.44	146	300448	22.570	ug/l	98
88) 1,4-Dichlorobenzene	14.52	146	298391	22.986	ug/l	94
89) n-Butylbenzene	14.79	91	481227	22.700	ug/l	99
90) Hexachloroethane	15.00	117	147602	22.621	ug/l	75
91) 1,2-Dichlorobenzene	14.80	146	237677	21.768	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	15.37	75	13598	20.727	ug/l	92

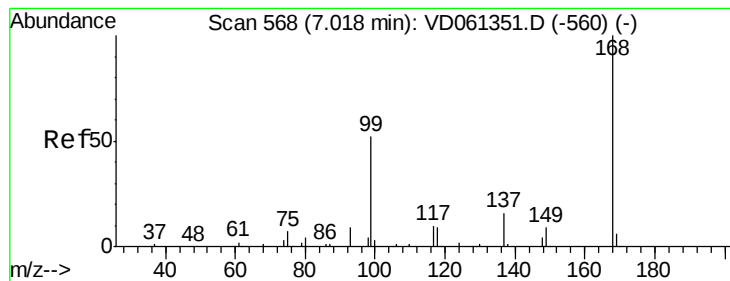
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_D\DATA\VD040519\
Data File : VD061617.D
Acq On : 5 Apr 2019 13:31
Operator : VA/AP
Sample : VD0405SBS01
Misc : 5.00g/5ml/MSVOA_D/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VD0405SBS01

Quant Time: Apr 05 13:59:28 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D032719S.M
Quant Title : SW846 8260
QLast Update : Thu Mar 28 09:22:37 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.93	180	109930	22.101	ug/l	96
94) Hexachlorobutadiene	16.03	225	89450	23.014	ug/l	98
95) Naphthalene	16.12	128	179473	23.672	ug/l	98
96) 1,2,3-Trichlorobenzene	16.27	180	48985	22.380	ug/l	93

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.02 min Scan# 569

Delta R.T. 0.00 min

Lab File: VD061617.D

Acq: 5 Apr 2019 13:31

Instrument :

MSVOA_D

ClientSampleId :

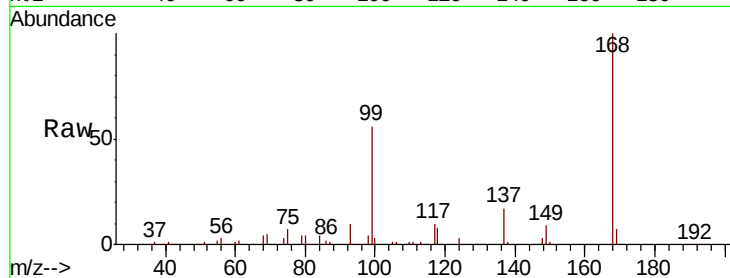
VD0405SBS01

Tgt Ion:168 Resp: 600751

Ion Ratio Lower Upper

168 100

99 55.9 43.1 64.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.02

200000

150000

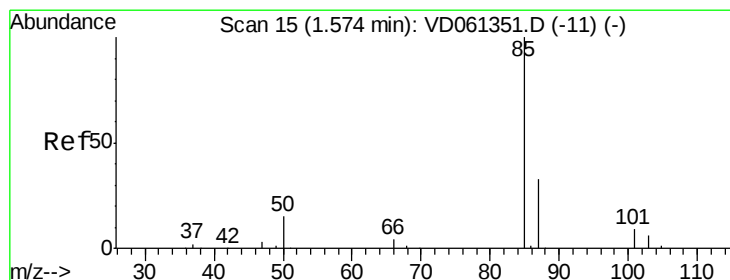
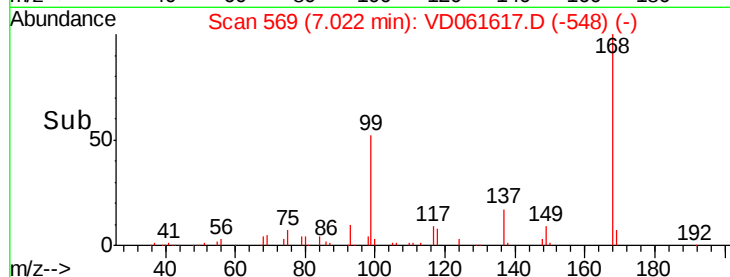
100000

50000

0

6.90 7.00 7.10 7.20

Time-->



#2

Dichlorodifluoromethane

Concen: 21.736 ug/l

RT: 1.58 min Scan# 16

Delta R.T. 0.00 min

Lab File: VD061617.D

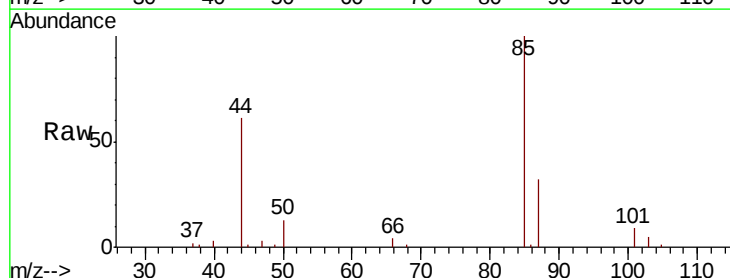
Acq: 5 Apr 2019 13:31

Tgt Ion: 85 Resp: 139455

Ion Ratio Lower Upper

85 100

87 32.3 16.6 49.7



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.58

60000

50000

40000

30000

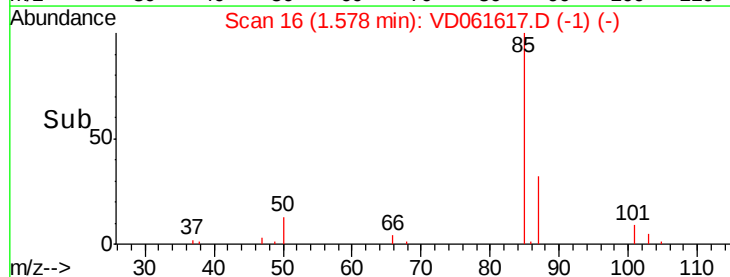
20000

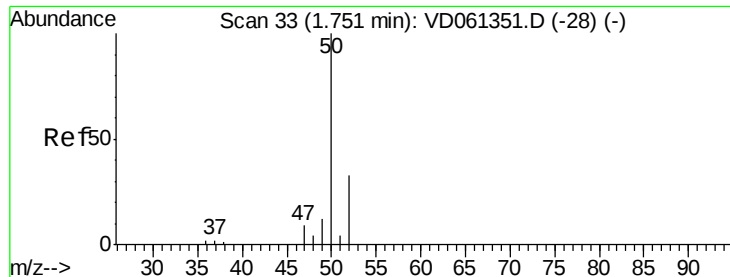
10000

0

1.50 1.60 1.70

Time-->





#3

Chloromethane

Concen: 22.671 ug/l

RT: 1.76 min Scan# 34

Delta R.T. 0.00 min

Lab File: VD061617.D

Acq: 5 Apr 2019 13:31

Instrument :

MSVOA_D

ClientSampleId :

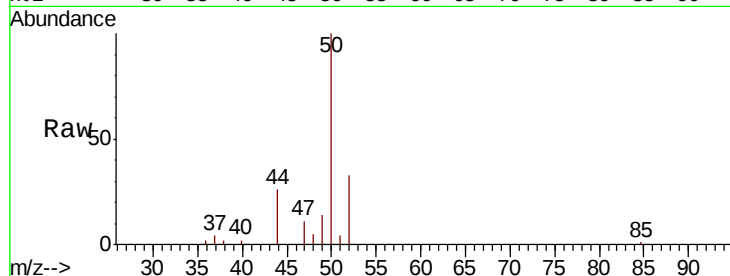
VD0405SBS01

Tgt Ion: 50 Resp: 118622

Ion Ratio Lower Upper

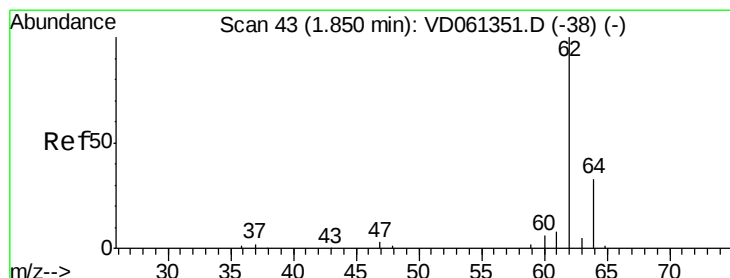
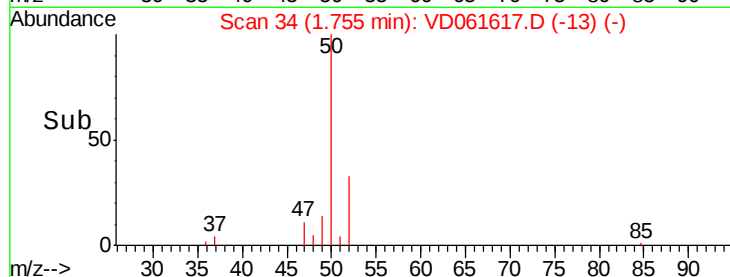
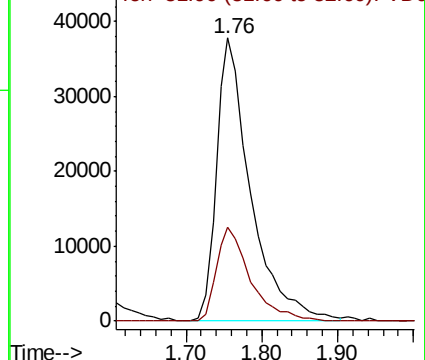
50 100

52 33.0 26.1 39.1



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 22.730 ug/l

RT: 1.85 min Scan# 44

Delta R.T. 0.00 min

Lab File: VD061617.D

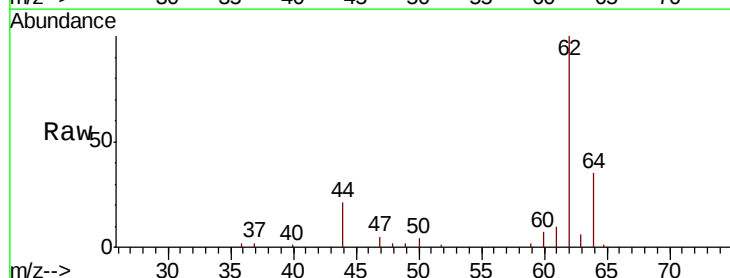
Acq: 5 Apr 2019 13:31

Tgt Ion: 62 Resp: 109202

Ion Ratio Lower Upper

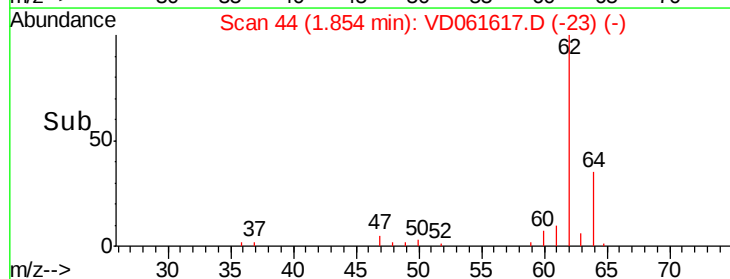
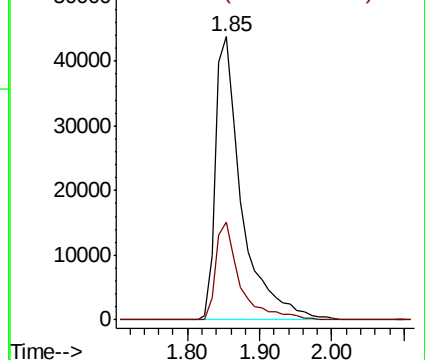
62 100

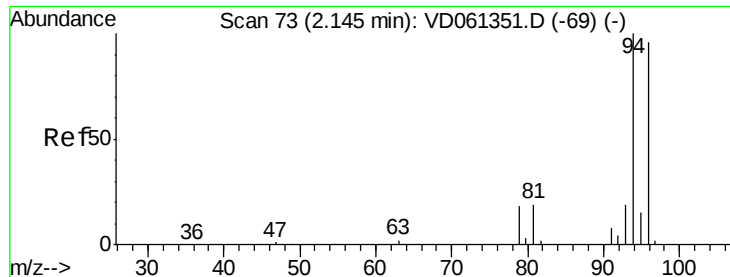
64 34.7 26.6 39.8



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 21.114 ug/l

RT: 2.15 min Scan# 74

Delta R.T. 0.00 min

Lab File: VD061617.D

Acq: 5 Apr 2019 13:31

Instrument :

MSVOA_D

ClientSampleId :

VD0405SBS01

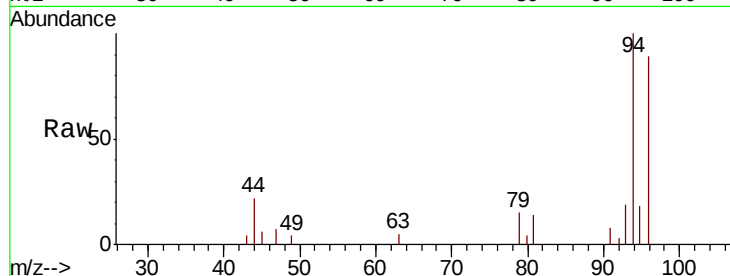
Tgt Ion: 94 Resp: 20115

Ion Ratio Lower Upper

94 100

96 88.6 78.3 117.5

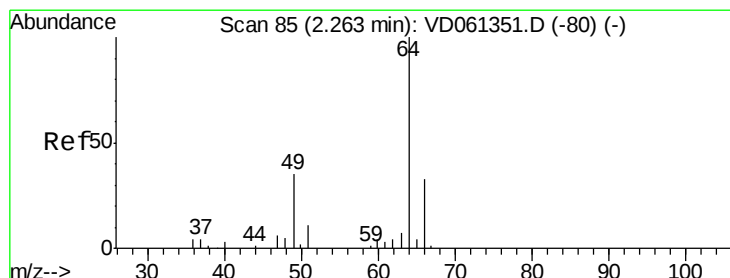
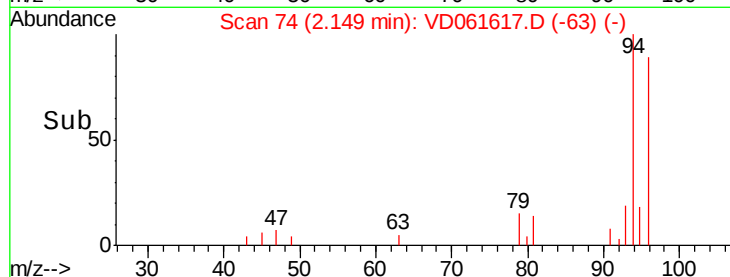
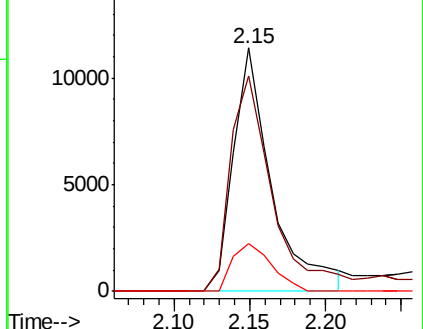
93 19.4 15.6 23.4



Abundance Ion 94.00 (93.70 to 94.70): VDC

Ion 96.00 (95.70 to 96.70): VDC

Ion 93.00 (92.70 to 93.70): VDC



#6

Chloroethane

Concen: 23.028 ug/l

RT: 2.26 min Scan# 85

Delta R.T. -0.01 min

Lab File: VD061617.D

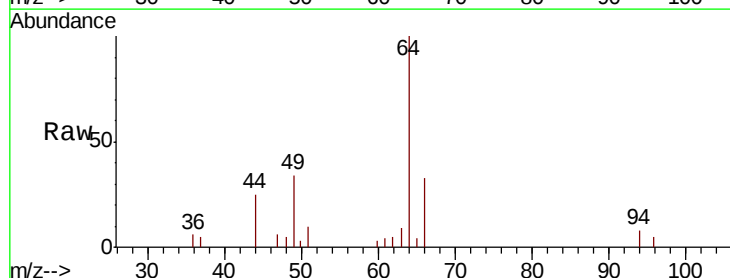
Acq: 5 Apr 2019 13:31

Tgt Ion: 64 Resp: 32444

Ion Ratio Lower Upper

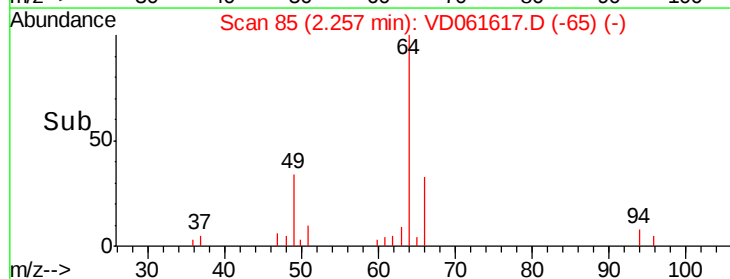
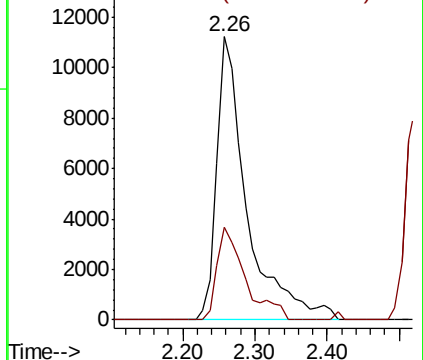
64 100

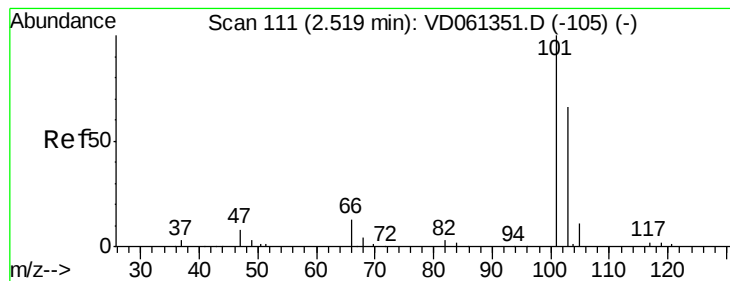
66 32.8 26.2 39.2



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC



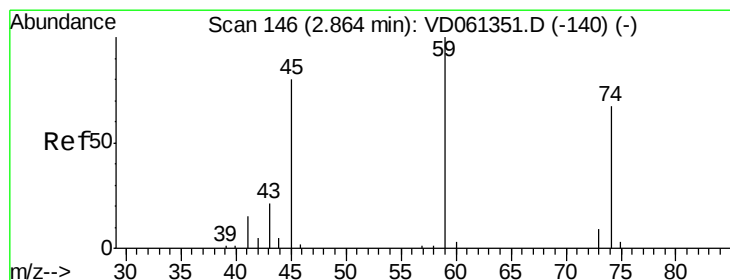
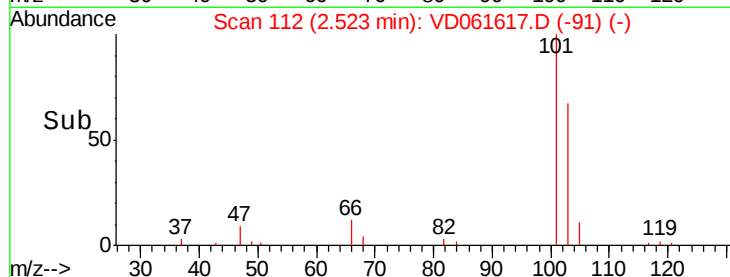
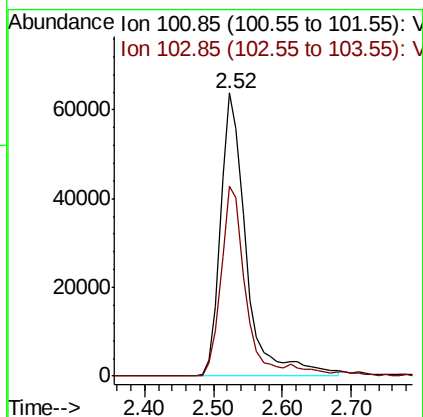
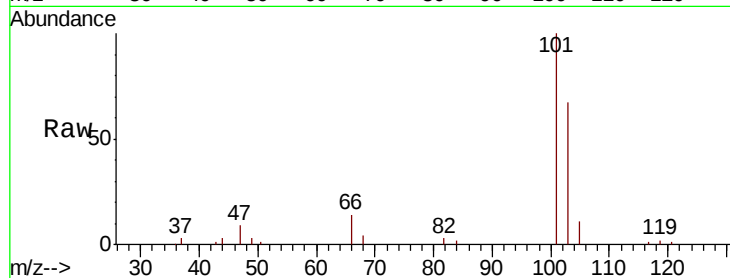


#7

Trichlorofluoromethane
 Concen: 23.668 ug/l
 RT: 2.52 min Scan# 112
 Delta R.T. 0.00 min
 Lab File: VD061617.D
 Acq: 5 Apr 2019 13:31

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0405SBS01

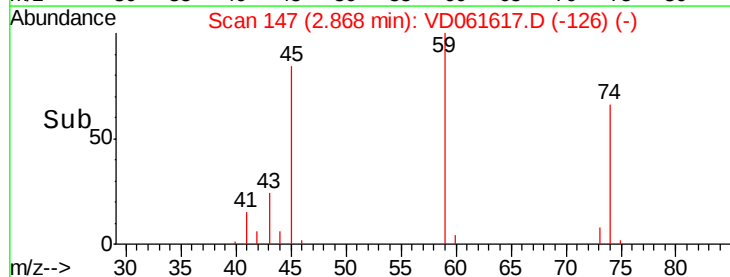
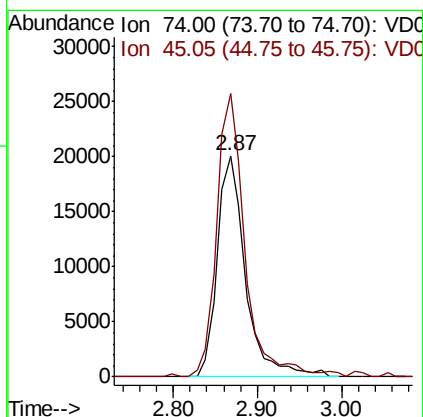
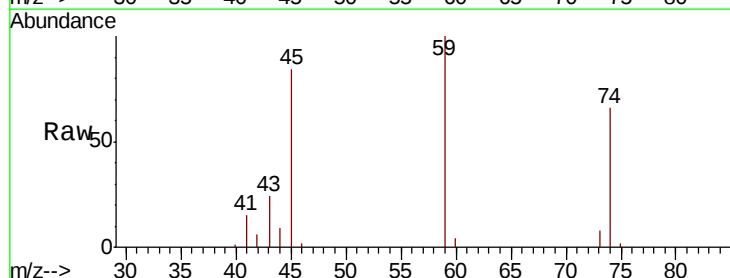
Tgt Ion: 101 Resp: 165346
 Ion Ratio Lower Upper
 101 100
 103 67.2 53.1 79.7

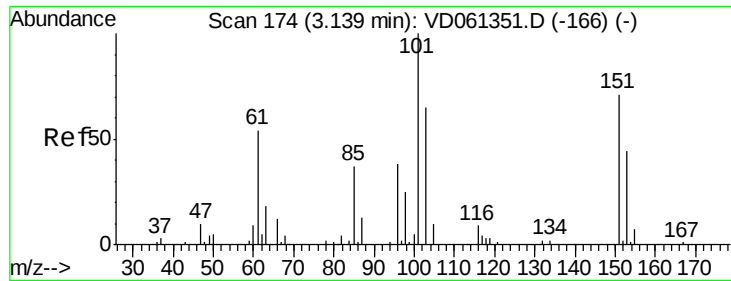


#8

Diethyl Ether
 Concen: 20.787 ug/l
 RT: 2.87 min Scan# 147
 Delta R.T. 0.00 min
 Lab File: VD061617.D
 Acq: 5 Apr 2019 13:31

Tgt Ion: 74 Resp: 46755
 Ion Ratio Lower Upper
 74 100
 45 128.3 59.7 179.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.758 ug/l

RT: 3.14 min Scan# 175

Delta R.T. 0.00 min

Lab File: VD061617.D

Acq: 5 Apr 2019 13:31

Instrument :

MSVOA_D

ClientSampleId :

VD0405SBS01

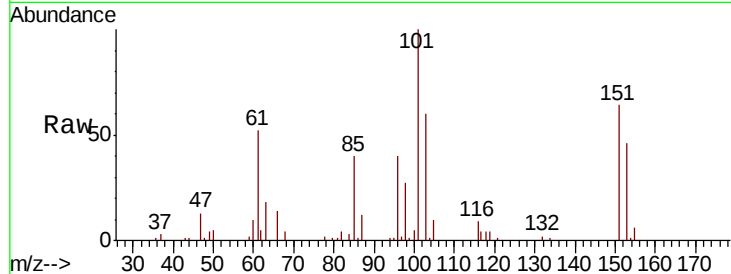
Tgt Ion:101 Resp: 163413

Ion Ratio Lower Upper

101 100

85 40.3 29.4 44.0

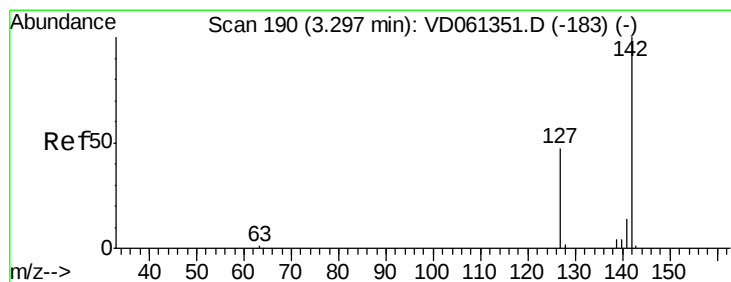
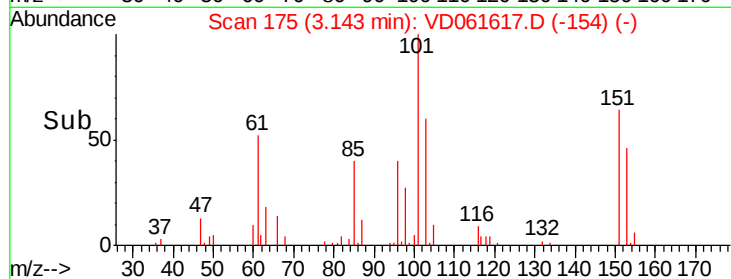
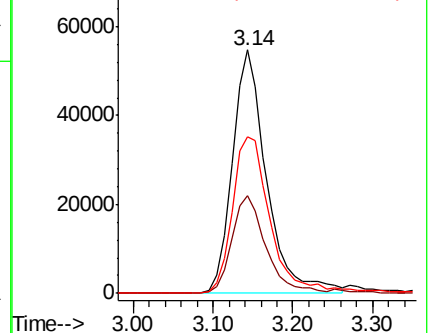
151 64.2 57.0 85.4



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: 19.751 ug/l

RT: 3.30 min Scan# 191

Delta R.T. 0.00 min

Lab File: VD061617.D

Acq: 5 Apr 2019 13:31

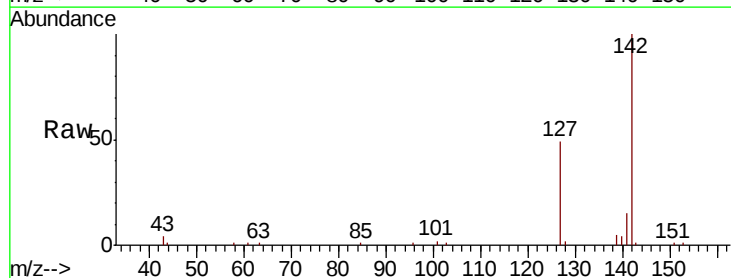
Tgt Ion:142 Resp: 199788

Ion Ratio Lower Upper

142 100

127 48.7 37.7 56.5

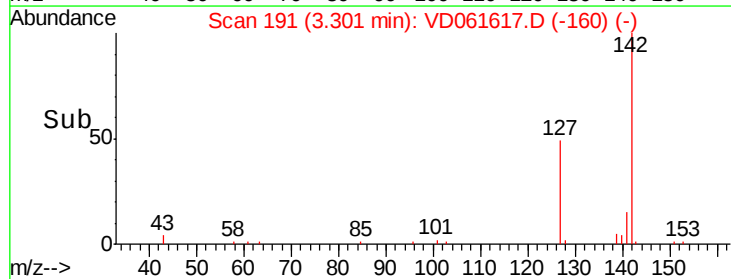
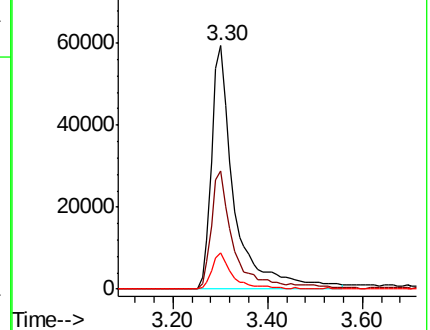
141 14.8 11.5 17.3

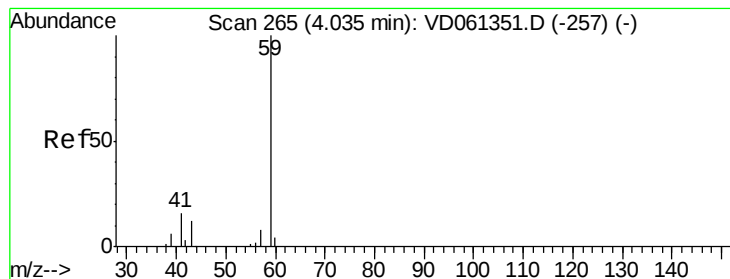


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



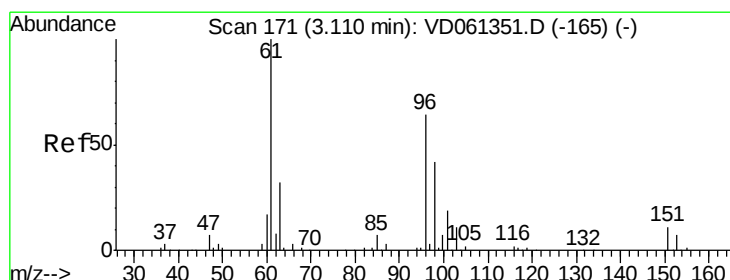
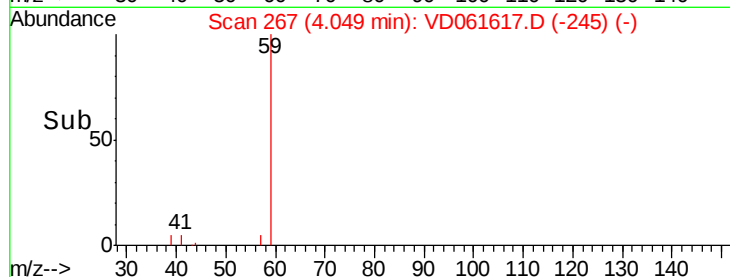
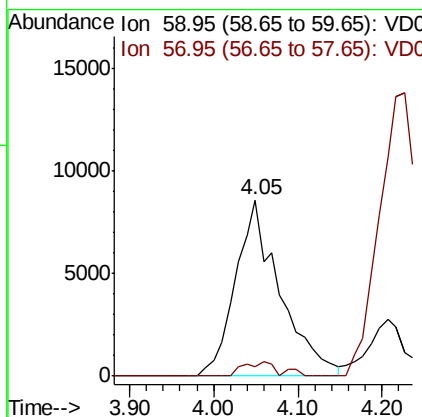
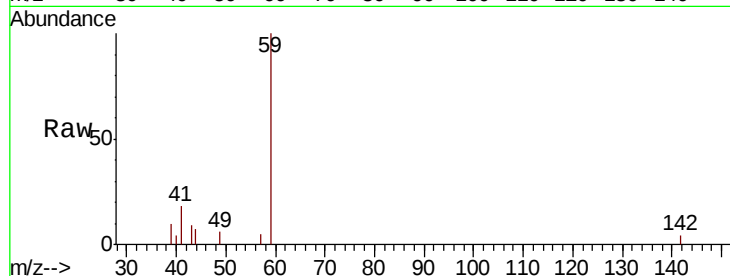


#11

Tert butyl alcohol
Concen: 98.950 ug/l
RT: 4.05 min Scan# 267
Delta R.T. 0.01 min
Lab File: VD061617.D
Acq: 5 Apr 2019 13:31

Instrument :
MSVOA_D
ClientSampleId :
VD0405SBS01

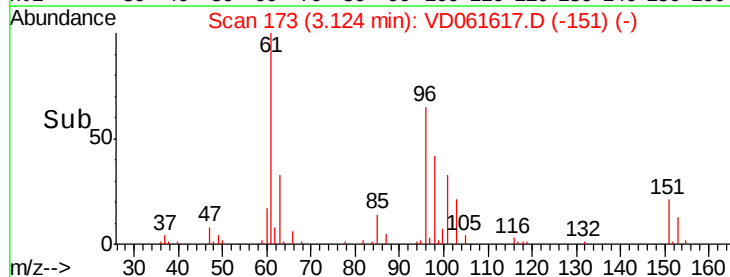
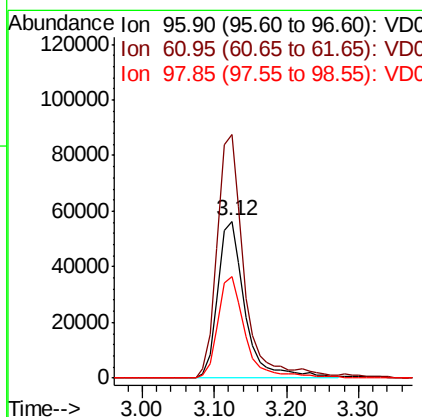
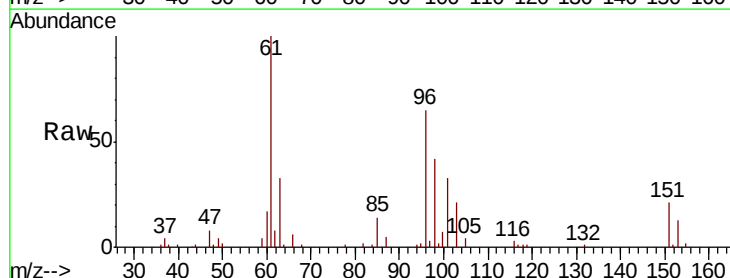
Tgt Ion: 59 Resp: 31624
Ion Ratio Lower Upper
59 100
57 5.4 6.7 10.1#

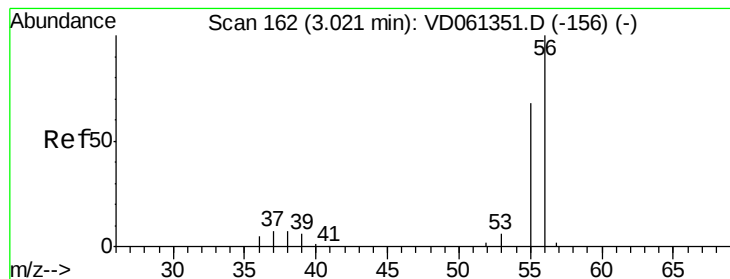


#12

1,1-Dichloroethene
Concen: 22.852 ug/l
RT: 3.12 min Scan# 173
Delta R.T. 0.01 min
Lab File: VD061617.D
Acq: 5 Apr 2019 13:31

Tgt Ion: 96 Resp: 147357
Ion Ratio Lower Upper
96 100
61 154.9 124.9 187.3
98 64.5 52.5 78.7





#13

Acrolein

Concen: 58.428 ug/l

RT: 3.03 min Scan# 163

Delta R.T. 0.00 min

Lab File: VD061617.D

Acq: 5 Apr 2019 13:31

Instrument :

MSVOA_D

ClientSampleId :

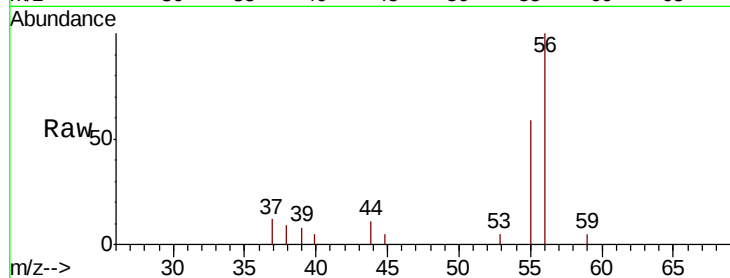
VD0405SBS01

Tgt Ion: 56 Resp: 18503

Ion Ratio Lower Upper

56 100

55 59.5 54.6 82.0



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC

8000

6000

4000

2000

0

Time-->

2.90

3.00

3.10

3.20

3.30

3.40

3.50

3.60

3.70

3.80

3.90

4.00

4.10

4.20

4.30

4.40

4.50

4.60

4.70

4.80

4.90

5.00

5.10

5.20

5.30

5.40

5.50

5.60

5.70

5.80

5.90

6.00

6.10

6.20

6.30

6.40

6.50

6.60

6.70

6.80

6.90

7.00

7.10

7.20

7.30

7.40

7.50

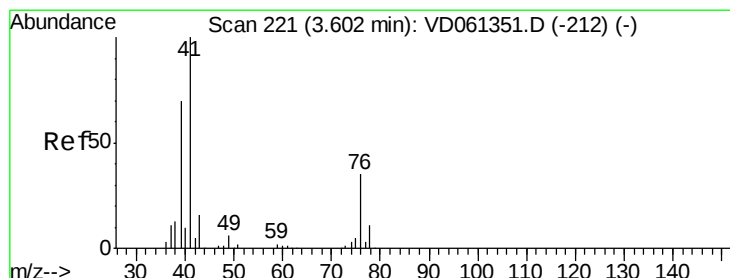
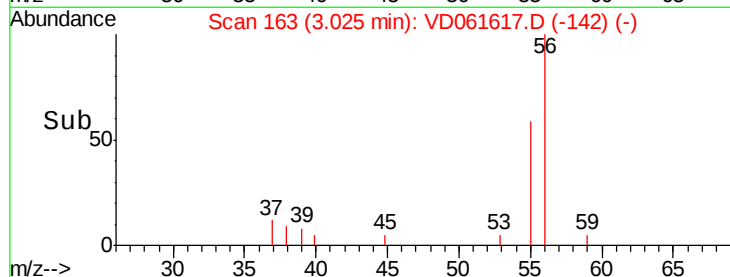
7.60

7.70

7.80

7.90

8.00



#14

Allyl chloride

Concen: 22.271 ug/l

RT: 3.61 min Scan# 222

Delta R.T. 0.00 min

Lab File: VD061617.D

Acq: 5 Apr 2019 13:31

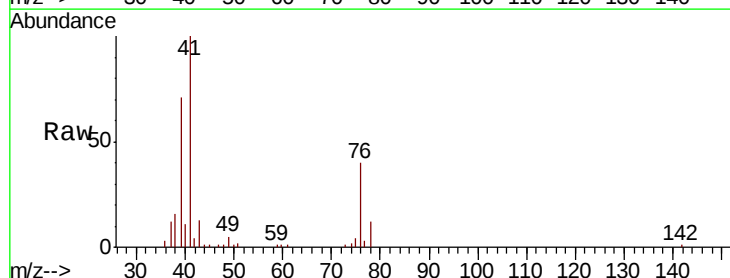
Tgt Ion: 41 Resp: 200299

Ion Ratio Lower Upper

41 100

39 70.9 55.6 83.4

76 39.8 31.0 46.6



Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC

80000

60000

40000

20000

0

Time-->

3.50

3.60

3.70

3.80

3.90

4.00

4.10

4.20

4.30

4.40

4.50

4.60

4.70

4.80

4.90

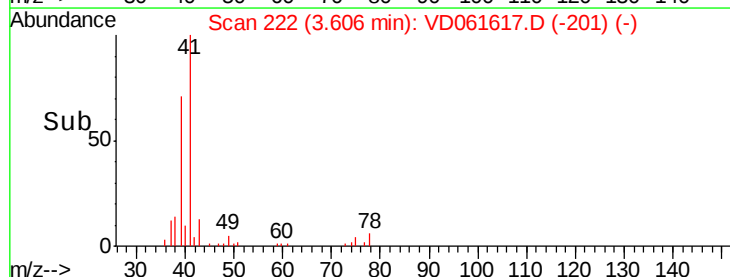
5.00

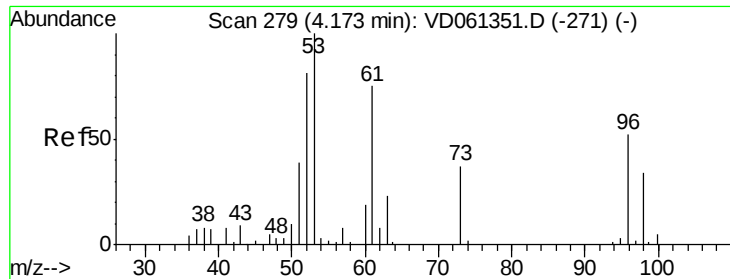
5.10

5.20

5.30

5.40





#15

Acrylonitrile

Concen: 108.511 ug/l

RT: 4.18 min Scan# 280

Delta R.T. 0.00 min

Lab File: VD061617.D

Acq: 5 Apr 2019 13:31

Instrument :

MSVOA_D

ClientSampleId :

VD0405SBS01

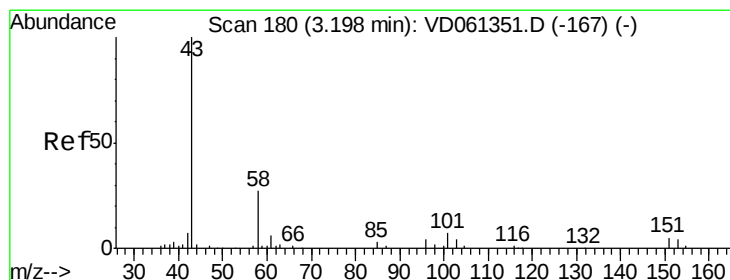
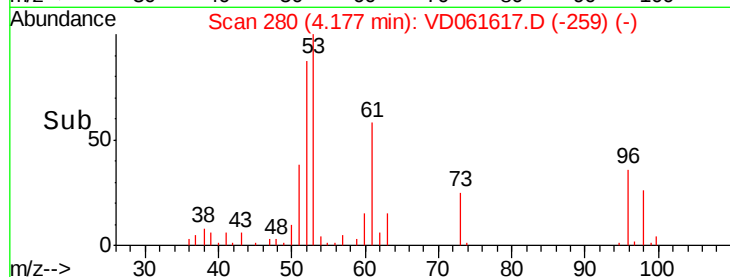
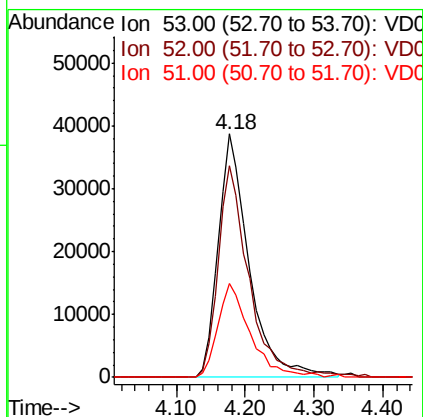
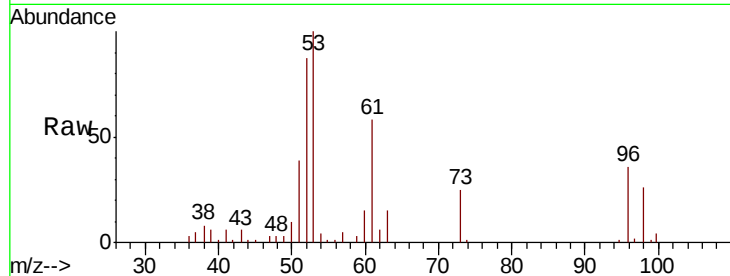
Tgt Ion: 53 Resp: 120366

Ion Ratio Lower Upper

53 100

52 86.8 64.8 97.2

51 38.7 31.4 47.2



#16

Acetone

Concen: 107.305 ug/l

RT: 3.21 min Scan# 182

Delta R.T. 0.01 min

Lab File: VD061617.D

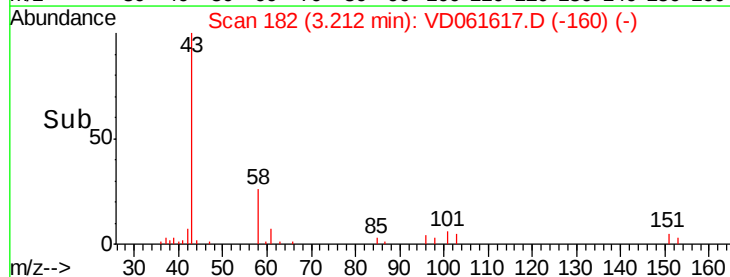
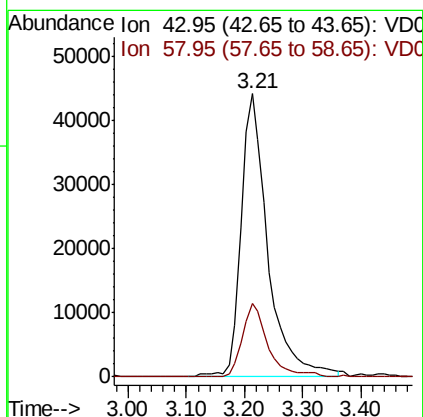
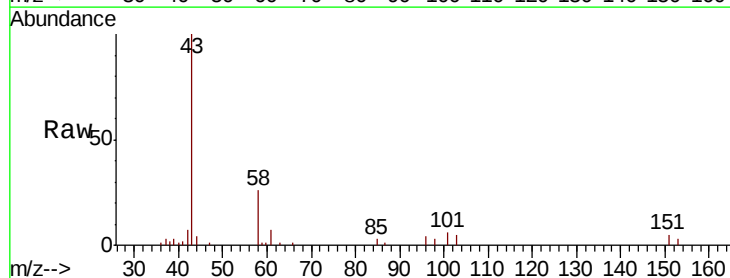
Acq: 5 Apr 2019 13:31

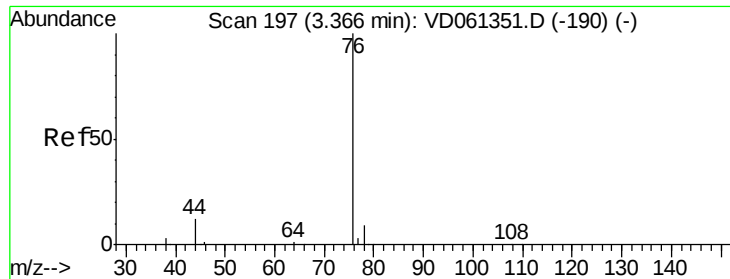
Tgt Ion: 43 Resp: 141560

Ion Ratio Lower Upper

43 100

58 25.9 21.5 32.3

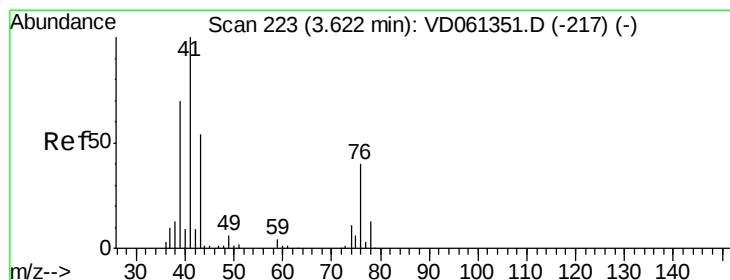
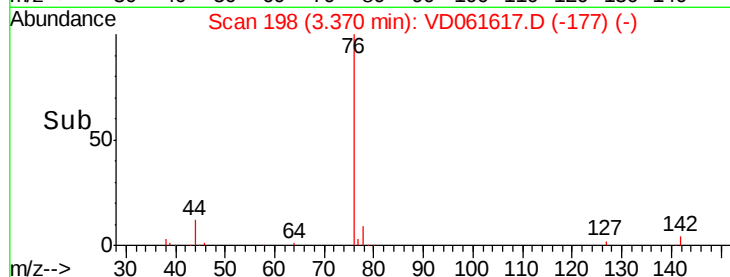
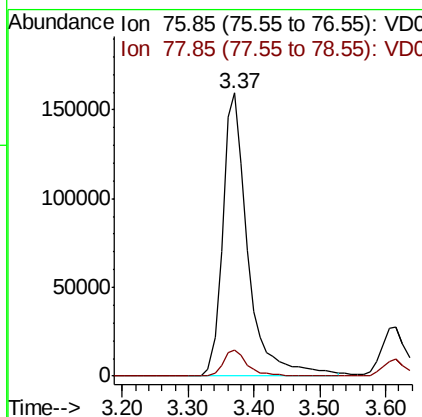
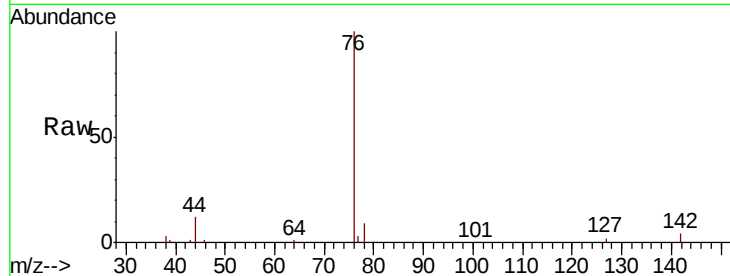




#17
Carbon Disulfide
Concen: 20.334 ug/l
RT: 3.37 min Scan# 198
Delta R.T. 0.00 min
Lab File: VD061617.D
Acq: 5 Apr 2019 13:31

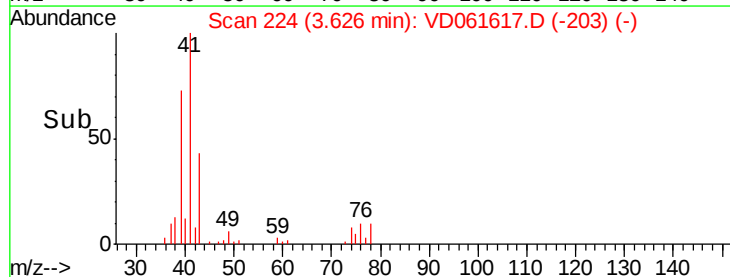
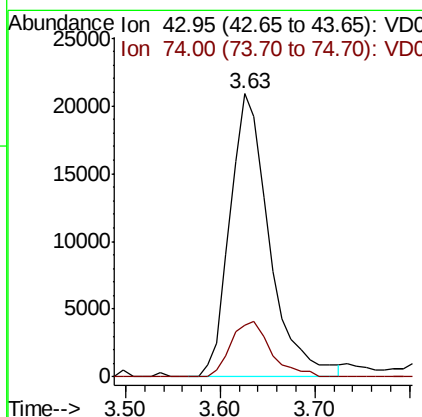
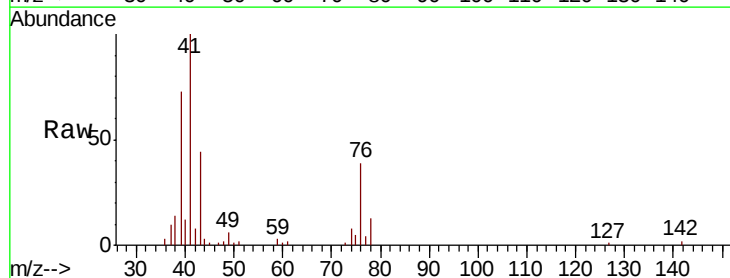
Instrument :
MSVOA_D
ClientSampleId :
VD0405SBS01

Tgt Ion: 76 Resp: 426016
Ion Ratio Lower Upper
76 100
78 9.1 7.1 10.7



#18
Methyl Acetate
Concen: 21.813 ug/l
RT: 3.63 min Scan# 224
Delta R.T. 0.00 min
Lab File: VD061617.D
Acq: 5 Apr 2019 13:31

Tgt Ion: 43 Resp: 60503
Ion Ratio Lower Upper
43 100
74 18.4 16.7 25.1

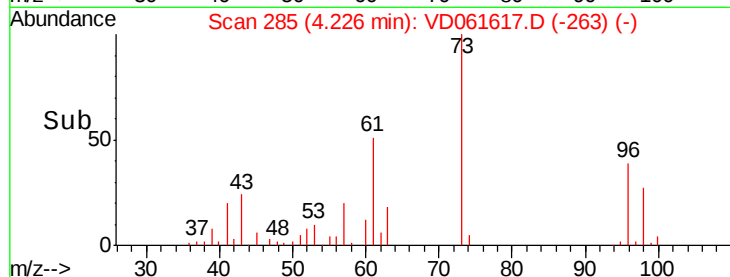
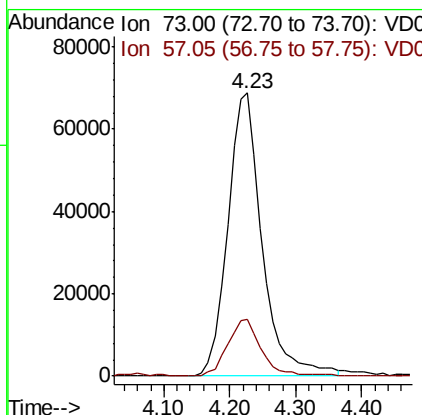
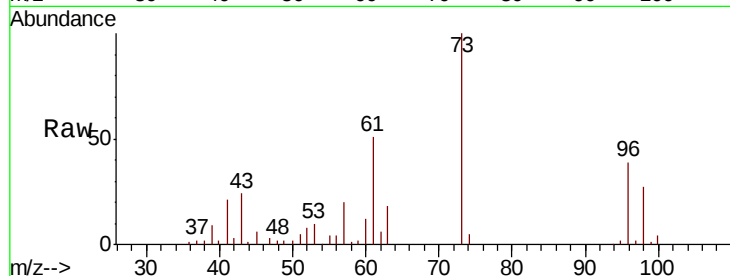




#19
Methyl tert-butyl Ether
Concen: 22.422 ug/l
RT: 4.23 min Scan# 285
Delta R.T. 0.01 min
Lab File: VD061617.D
Acq: 5 Apr 2019 13:31

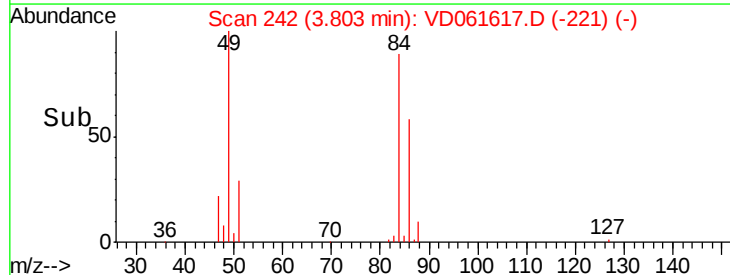
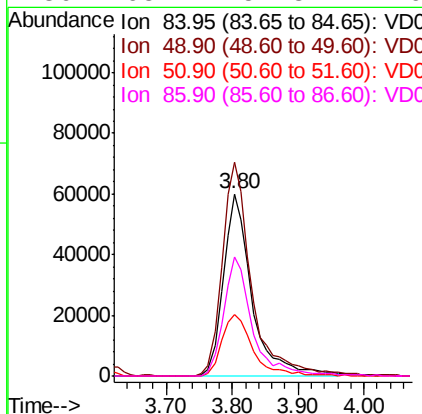
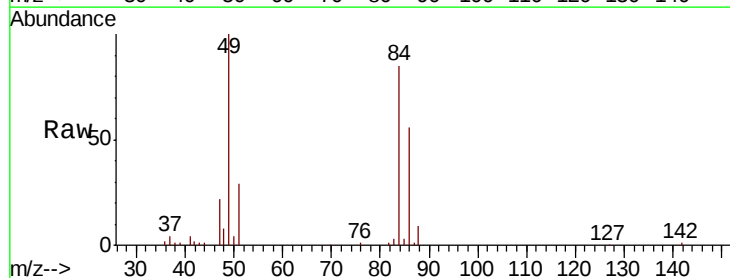
Instrument :
MSVOA_D
ClientSampleId :
VD0405SBS01

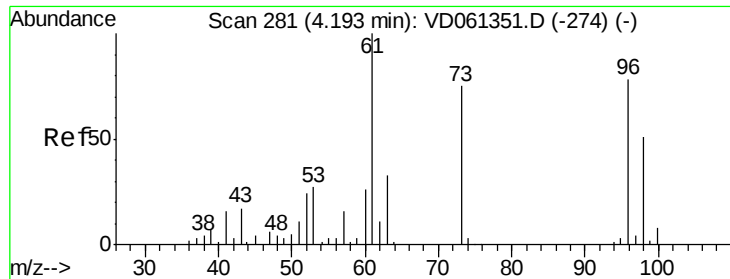
Tgt Ion: 73 Resp: 250278
Ion Ratio Lower Upper
73 100
57 20.0 16.4 24.6



#20
Methylene Chloride
Concen: 23.502 ug/l
RT: 3.80 min Scan# 242
Delta R.T. 0.00 min
Lab File: VD061617.D
Acq: 5 Apr 2019 13:31

Tgt Ion: 84 Resp: 181205
Ion Ratio Lower Upper
84 100
49 117.2 91.8 137.8
51 33.8 29.8 44.8
86 65.1 51.8 77.6





#21

trans-1,2-Dichloroethene

Concen: 22.629 ug/l

RT: 4.21 min Scan# 283

Delta R.T. 0.01 min

Lab File: VD061617.D

Acq: 5 Apr 2019 13:31

Instrument :

MSVOA_D

ClientSampleId :

VD0405SBS01

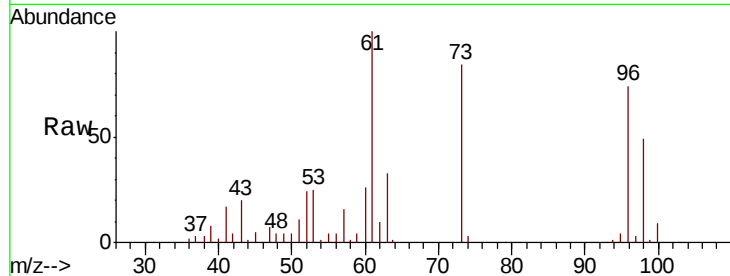
Tgt Ion: 96 Resp: 157536

Ion Ratio Lower Upper

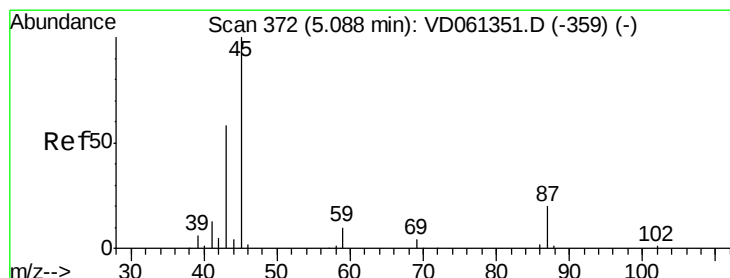
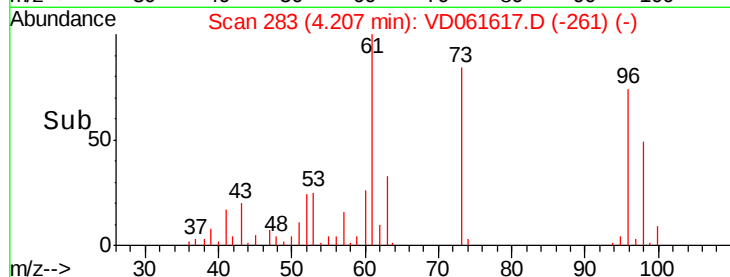
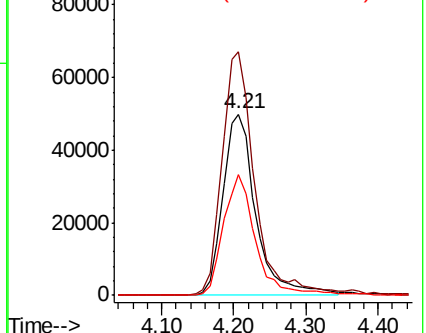
96 100

61 134.6 102.7 154.1

98 66.4 52.2 78.4



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



#22

Diisopropyl ether

Concen: 21.860 ug/l

RT: 5.10 min Scan# 374

Delta R.T. 0.01 min

Lab File: VD061617.D

Acq: 5 Apr 2019 13:31

Tgt Ion: 45 Resp: 416047

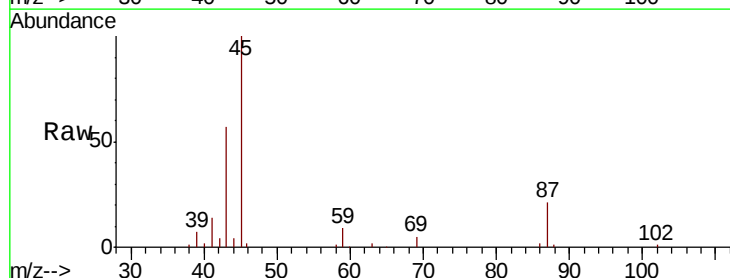
Ion Ratio Lower Upper

45 100

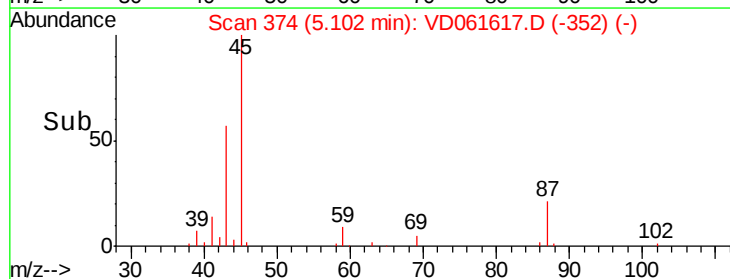
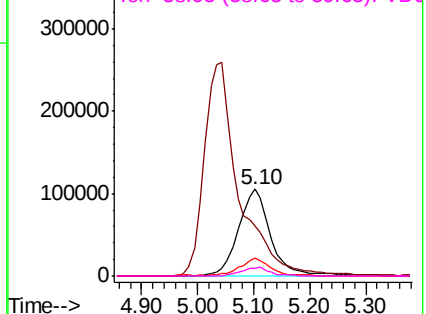
43 57.5 47.4 71.2

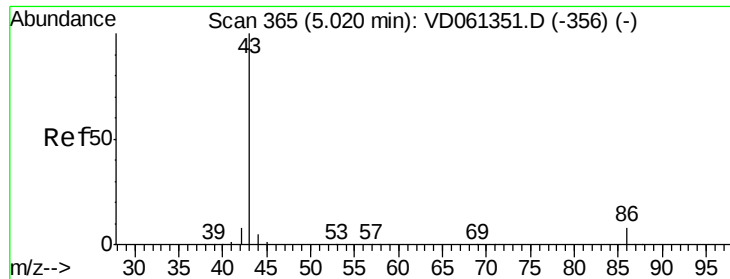
87 20.8 16.3 24.5

59 8.9 8.4 12.6



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: 106.028 ug/l

RT: 5.04 min Scan# 368

Delta R.T. 0.02 min

Lab File: VD061617.D

Acq: 5 Apr 2019 13:31

Instrument :

MSVOA_D

ClientSampleId :

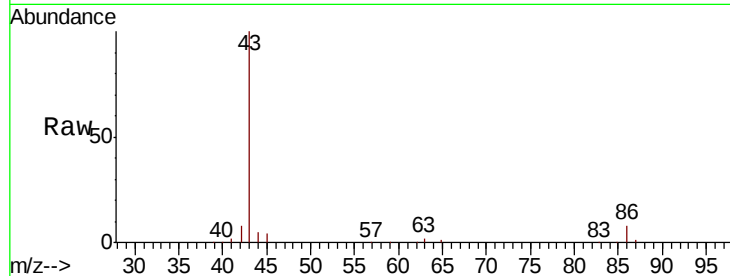
VD0405SBS01

Tgt Ion: 43 Resp: 1096139

Ion Ratio Lower Upper

43 100

86 8.4 6.7 10.1



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC

5.04

250000

200000

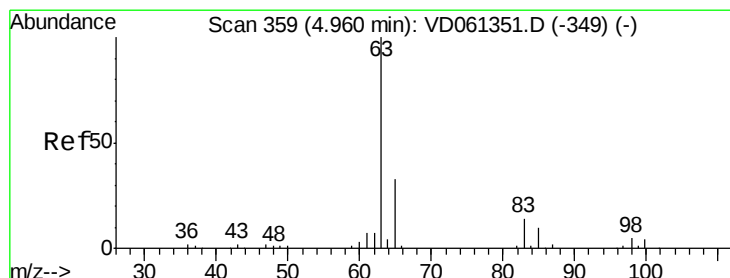
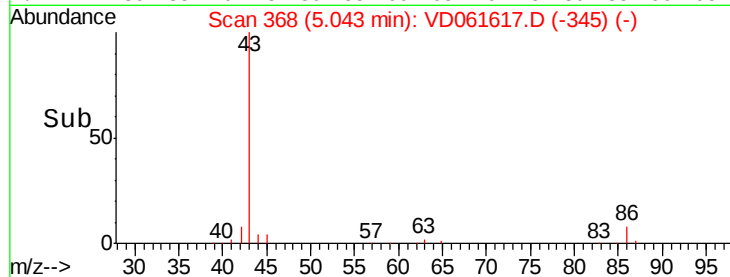
150000

100000

50000

0

Time-->



#24

1,1-Dichloroethane

Concen: 22.944 ug/l

RT: 4.96 min Scan# 360

Delta R.T. 0.00 min

Lab File: VD061617.D

Acq: 5 Apr 2019 13:31

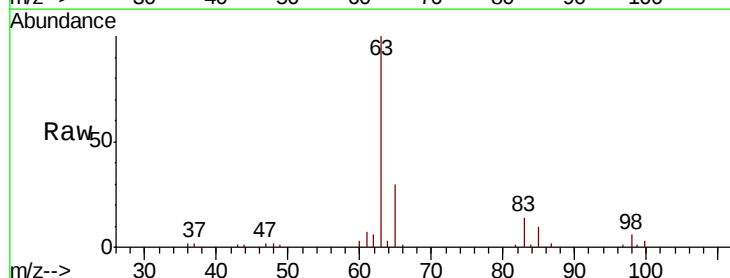
Tgt Ion: 63 Resp: 256629

Ion Ratio Lower Upper

63 100

98 5.7 2.6 8.0

100 3.0 1.8 5.3



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC

4.96

80000

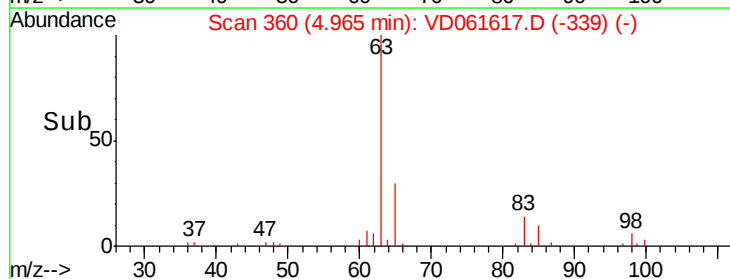
60000

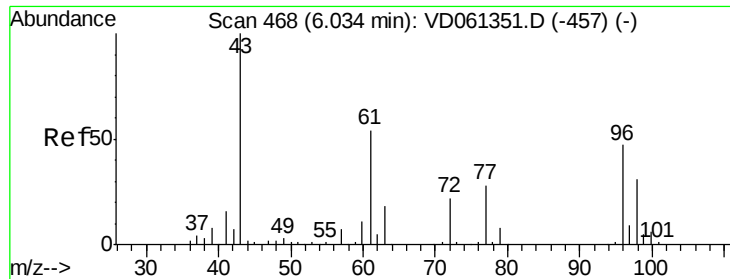
40000

20000

0

Time-->





#25

2-Butanone

Concen: 105.382 ug/l

RT: 6.05 min Scan# 470

Delta R.T. 0.01 min

Lab File: VD061617.D

Acq: 5 Apr 2019 13:31

Instrument :

MSVOA_D

ClientSampleId :

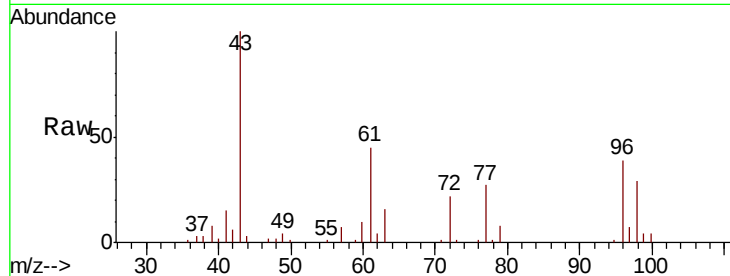
VD0405SBS01

Tgt Ion: 43 Resp: 174879

Ion Ratio Lower Upper

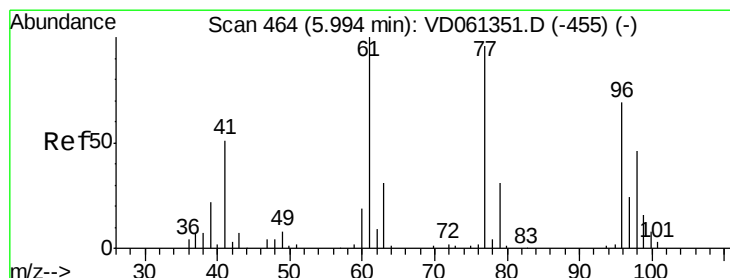
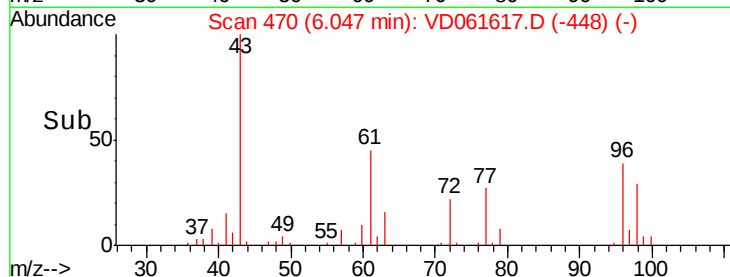
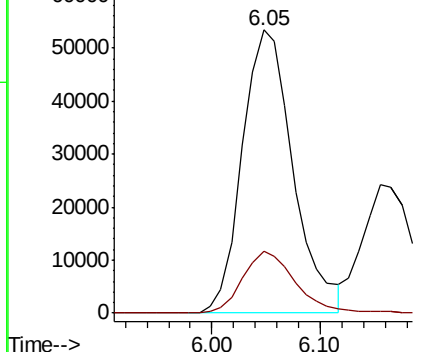
43 100

72 22.0 17.2 25.8



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 23.723 ug/l

RT: 6.01 min Scan# 466

Delta R.T. 0.01 min

Lab File: VD061617.D

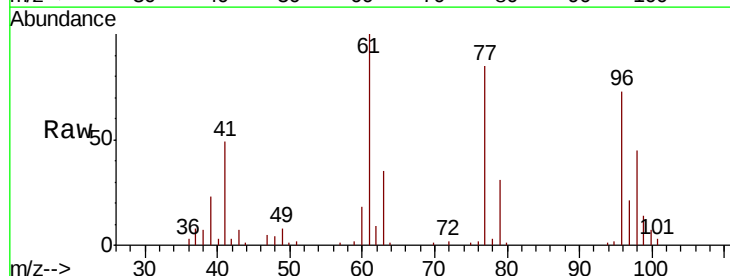
Acq: 5 Apr 2019 13:31

Tgt Ion: 77 Resp: 210937

Ion Ratio Lower Upper

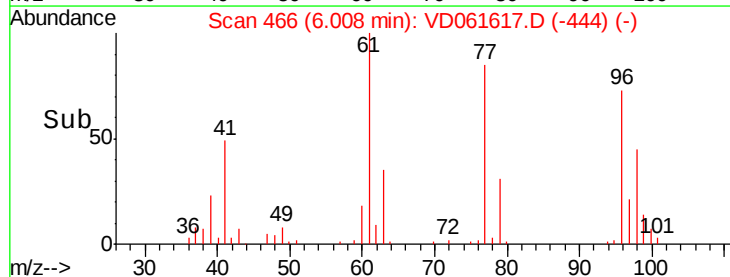
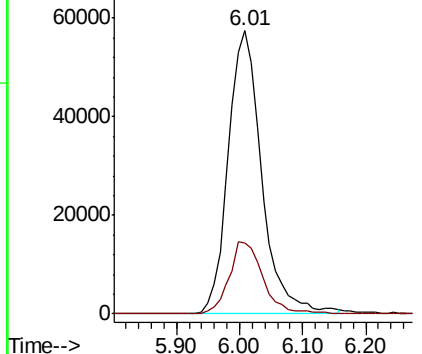
77 100

97 25.0 12.7 38.0



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



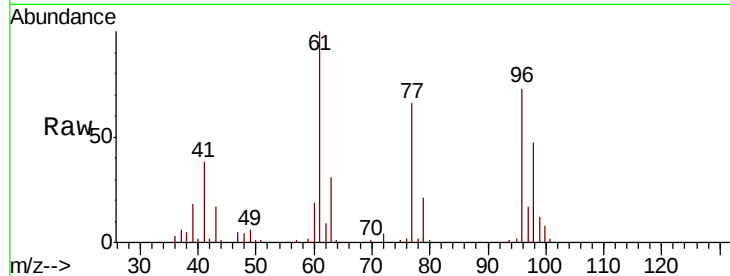


#27

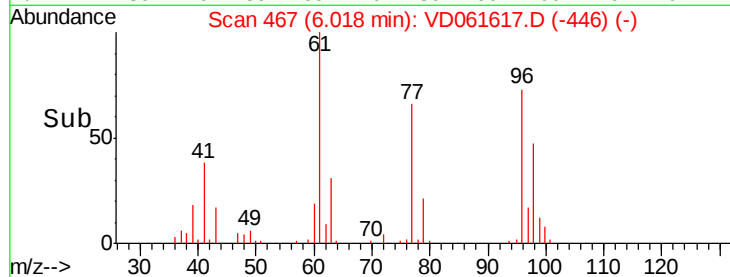
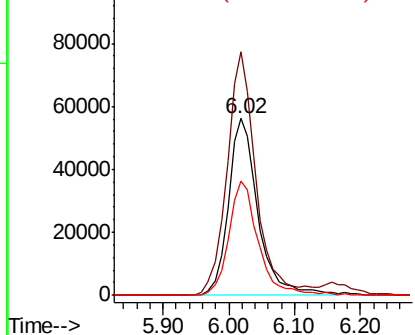
cis-1,2-Dichloroethene
 Concen: 23.130 ug/l
 RT: 6.02 min Scan# 467
 Delta R.T. 0.00 min
 Lab File: VD061617.D
 Acq: 5 Apr 2019 13:31

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0405SBS01

Tgt Ion: 96 Resp: 176428
 Ion Ratio Lower Upper
 96 100
 61 137.7 0.0 251.6
 98 64.7 0.0 129.2



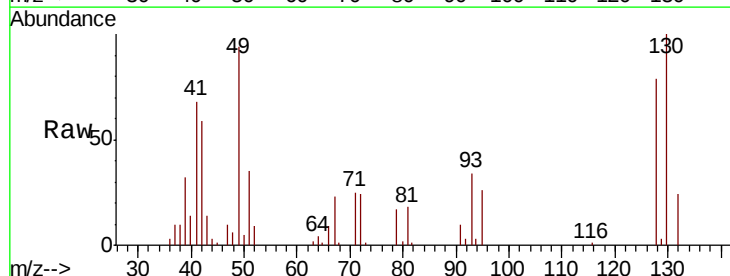
Abundance Ion 95.90 (95.60 to 96.60): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 97.85 (97.55 to 98.55): VDC



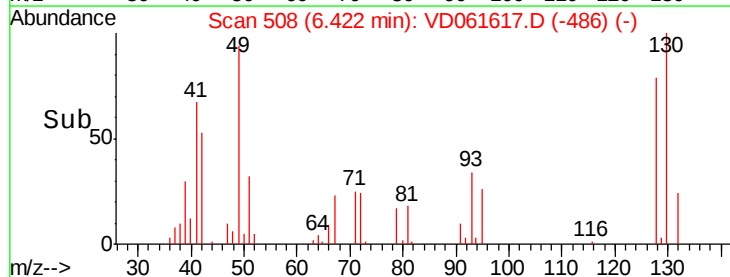
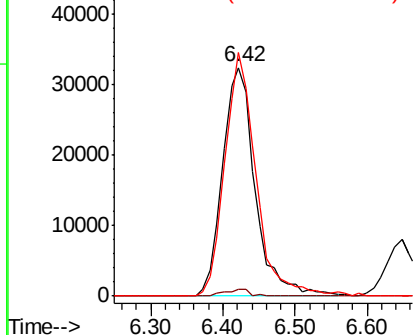
#28

Bromochloromethane
 Concen: 22.534 ug/l
 RT: 6.42 min Scan# 508
 Delta R.T. 0.01 min
 Lab File: VD061617.D
 Acq: 5 Apr 2019 13:31

Tgt Ion: 49 Resp: 101744
 Ion Ratio Lower Upper
 49 100
 129 3.2 0.0 0.0#
 130 106.6 78.4 117.6



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





#29

Tetrahydrofuran

Concen: 107.169 ug/l

RT: 6.44 min Scan# 510

Delta R.T. 0.02 min

Lab File: VD061617.D

Acq: 5 Apr 2019 13:31

Instrument :

MSVOA_D

ClientSampleId :

VD0405SBS01

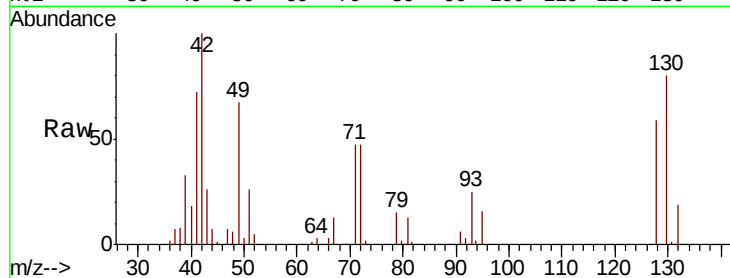
Tgt Ion: 42 Resp: 86200

Ion Ratio Lower Upper

42 100

72 46.7 37.4 56.0

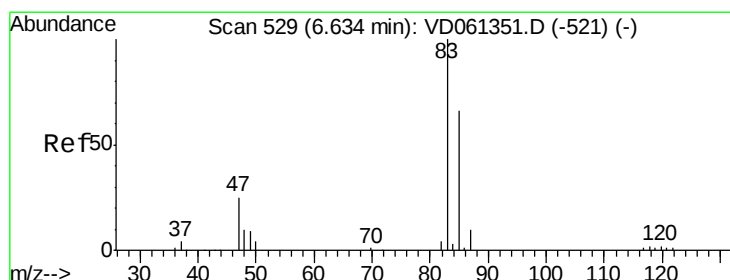
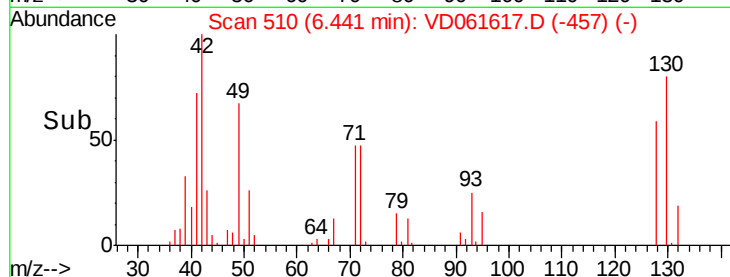
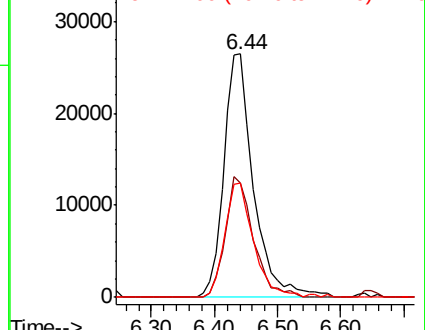
71 45.2 36.7 55.1



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: 22.884 ug/l

RT: 6.65 min Scan# 531

Delta R.T. 0.01 min

Lab File: VD061617.D

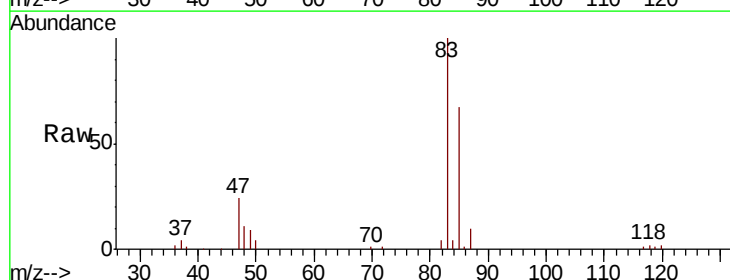
Acq: 5 Apr 2019 13:31

Tgt Ion: 83 Resp: 264475

Ion Ratio Lower Upper

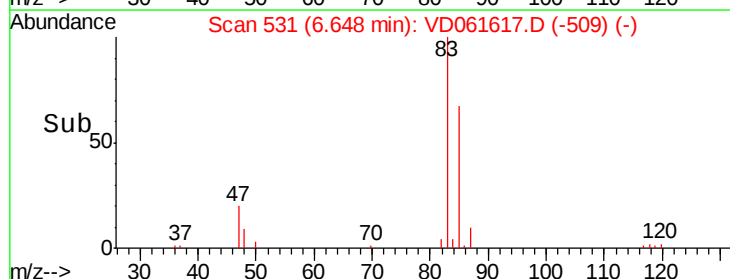
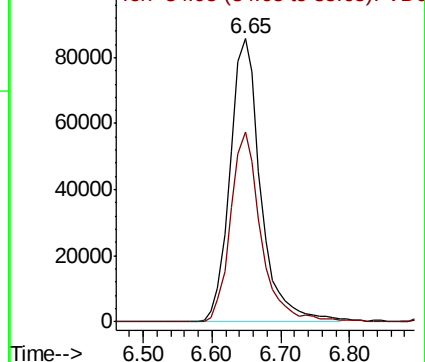
83 100

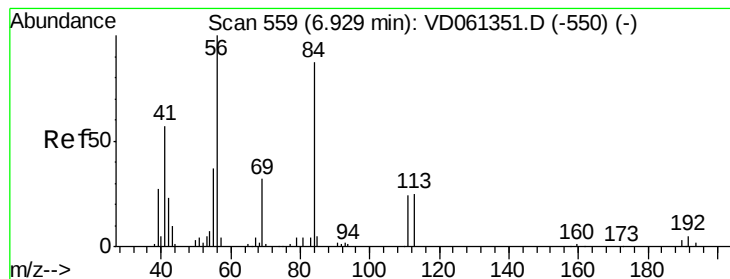
85 67.2 53.0 79.4



Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 84.95 (84.65 to 85.65): VDC





#31

Cyclohexane

Concen: 22.411 ug/l

RT: 6.94 min Scan# 561

Delta R.T. 0.01 min

Lab File: VD061617.D

Acq: 5 Apr 2019 13:31

Instrument :

MSVOA_D

ClientSampleId :

VD0405SBS01

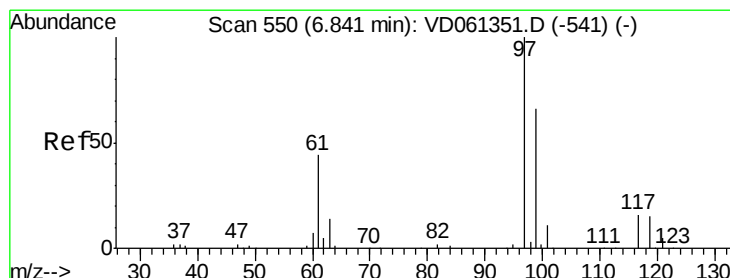
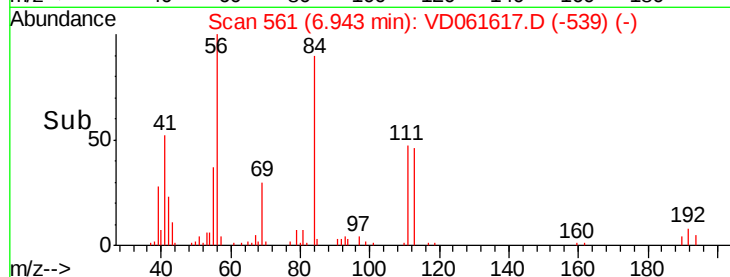
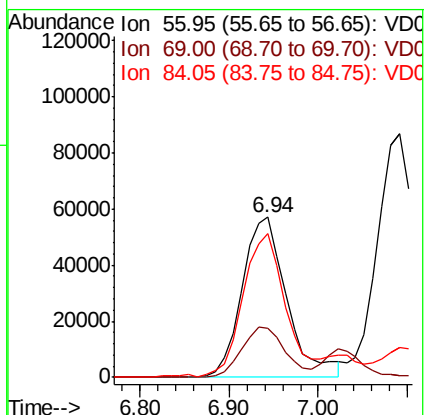
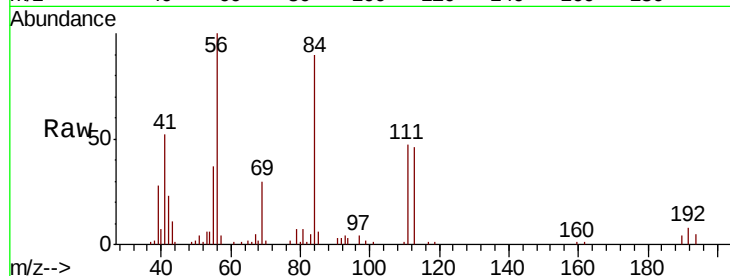
Tgt Ion: 56 Resp: 198085

Ion Ratio Lower Upper

56 100

69 30.4 25.7 38.5

84 90.0 70.6 105.8



#32

1,1,1-Trichloroethane

Concen: 22.052 ug/l

RT: 6.85 min Scan# 552

Delta R.T. 0.01 min

Lab File: VD061617.D

Acq: 5 Apr 2019 13:31

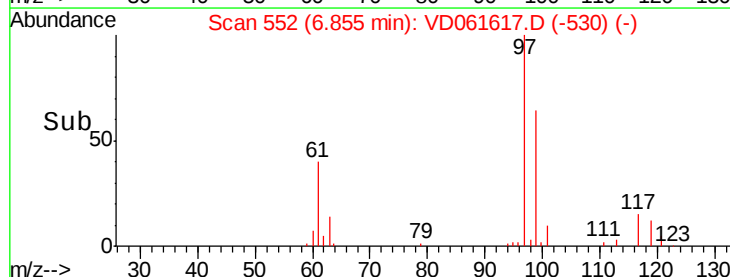
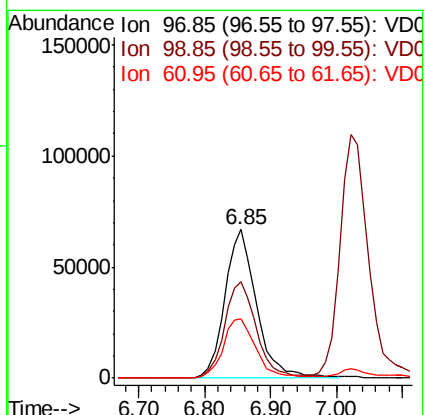
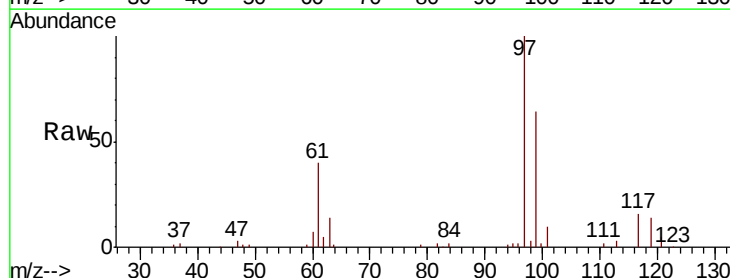
Tgt Ion: 97 Resp: 224839

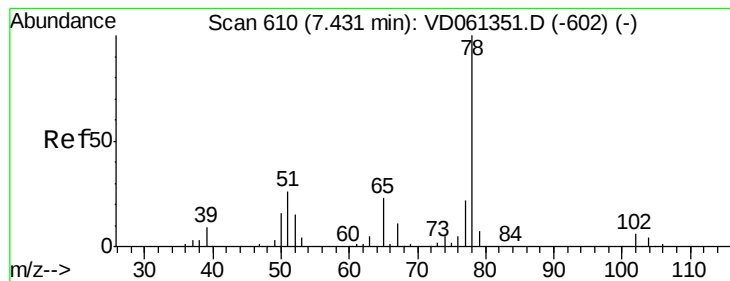
Ion Ratio Lower Upper

97 100

99 64.4 53.1 79.7

61 39.5 35.5 53.3





#33

1,2-Dichloroethane-d4

Concen: 22.052 ug/l

RT: 7.43 min Scan# 610

Delta R.T. -0.01 min

Lab File: VD061617.D

Acq: 5 Apr 2019 13:31

Instrument :

MSVOA_D

ClientSampleId :

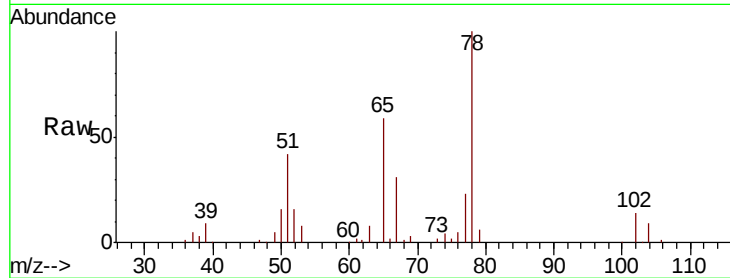
VD0405SBS01

Tgt Ion: 65 Resp: 263655

Ion Ratio Lower Upper

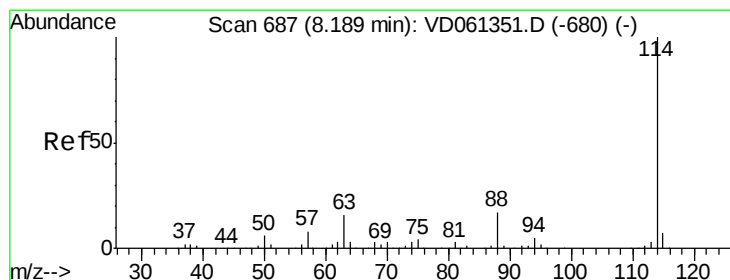
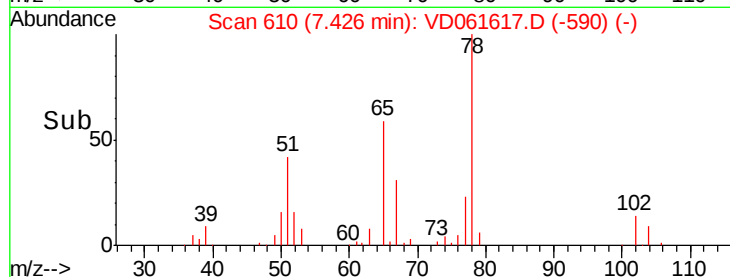
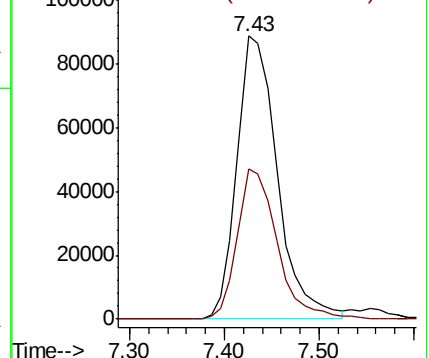
65 100

67 52.9 0.0 99.8



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.20 min Scan# 689

Delta R.T. 0.01 min

Lab File: VD061617.D

Acq: 5 Apr 2019 13:31

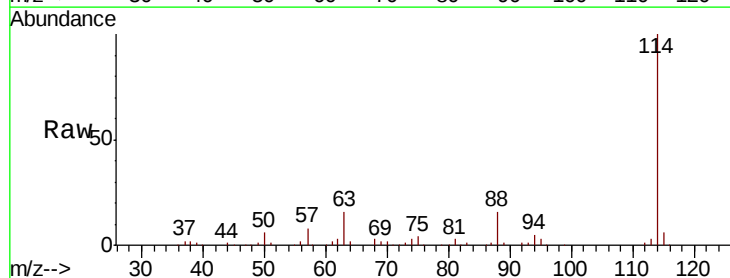
Tgt Ion: 114 Resp: 1004259

Ion Ratio Lower Upper

114 100

63 15.5 0.0 31.6

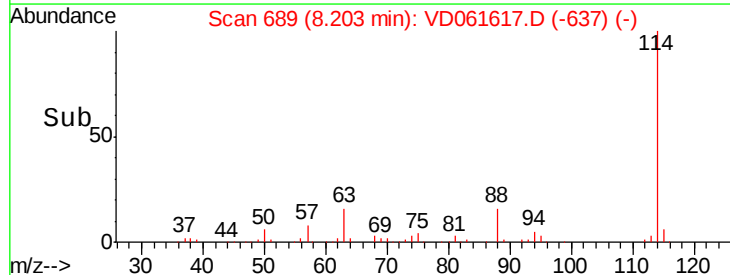
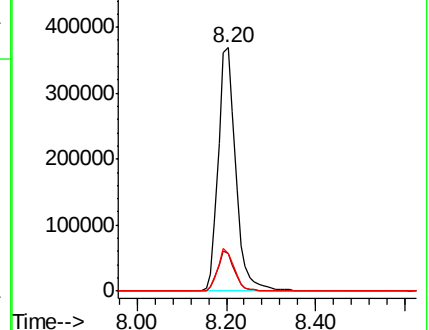
88 15.6 0.0 33.4

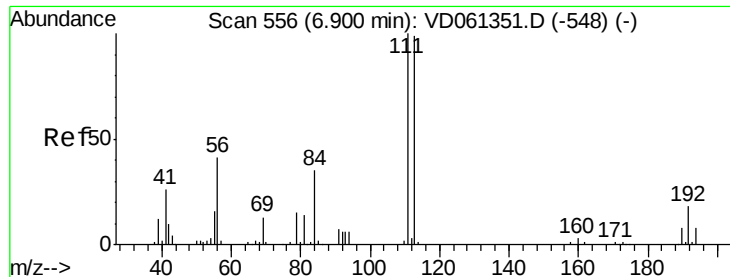


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC

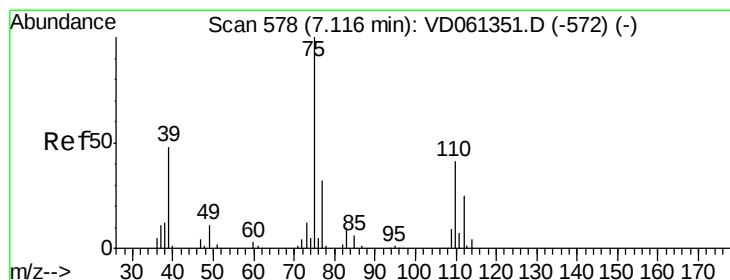
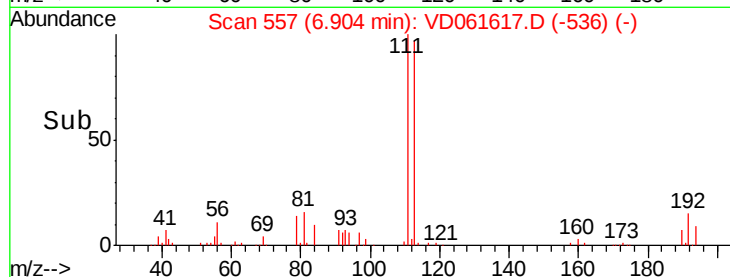
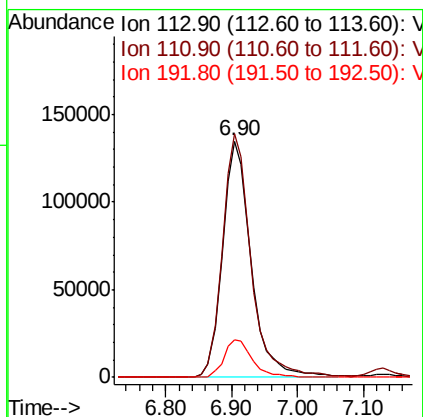
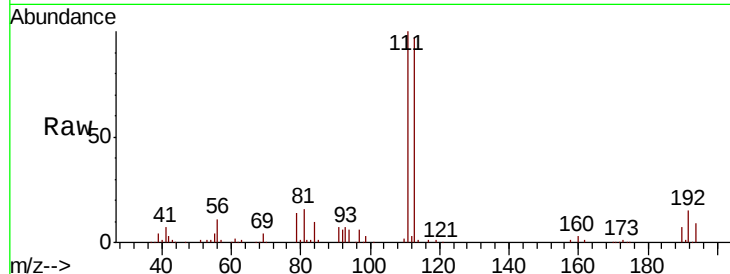




#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 6.90 min Scan# 557
 Delta R.T. 0.00 min
 Lab File: VD061617.D
 Acq: 5 Apr 2019 13:31

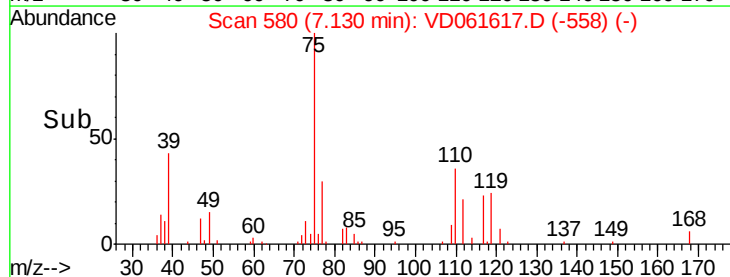
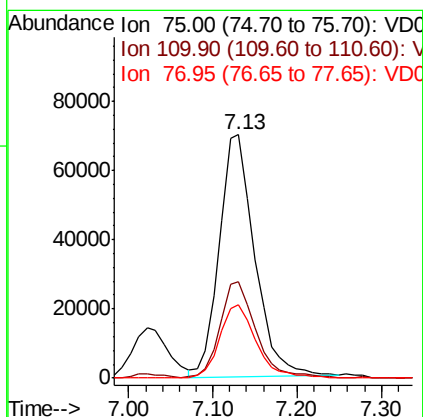
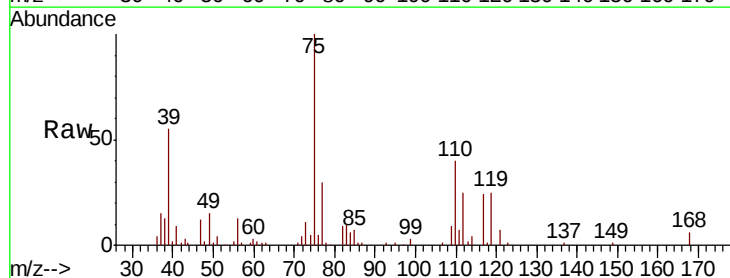
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0405SBS01

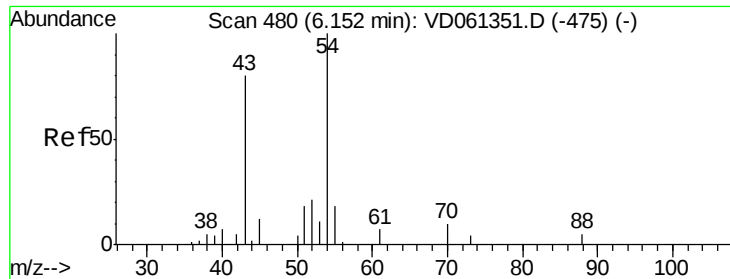
Tgt Ion	Ratio	Lower	Upper
113	100		
111	103.1	81.0	121.6
192	15.9	14.4	21.6



#36
 1,1-Dichloropropene
 Concen: 23.344 ug/l
 RT: 7.13 min Scan# 580
 Delta R.T. 0.01 min
 Lab File: VD061617.D
 Acq: 5 Apr 2019 13:31

Tgt Ion	Ratio	Lower	Upper
75	100		
110	39.5	20.4	61.3
77	30.3	24.9	37.3

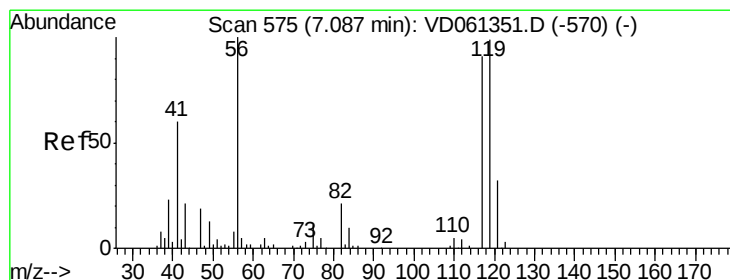
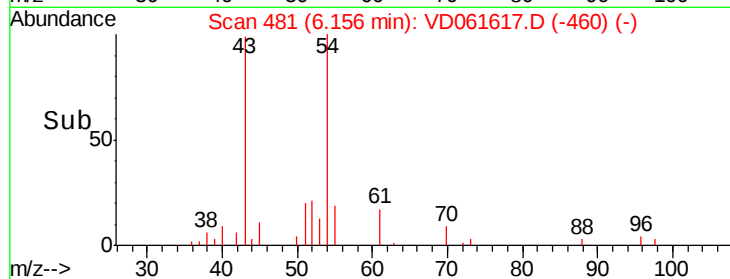
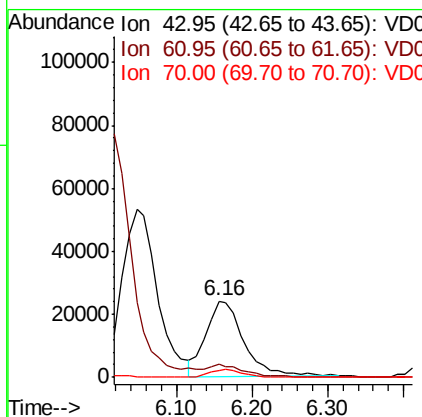
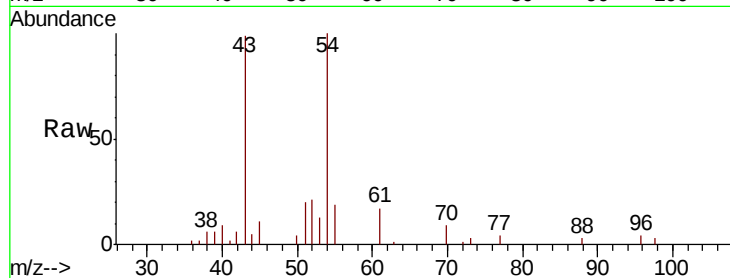




#37
Ethyl Acetate
Concen: 22.170 ug/l
RT: 6.16 min Scan# 481
Delta R.T. 0.00 min
Lab File: VD061617.D
Acq: 5 Apr 2019 13:31

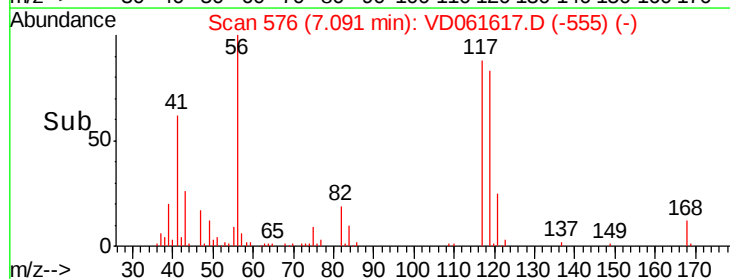
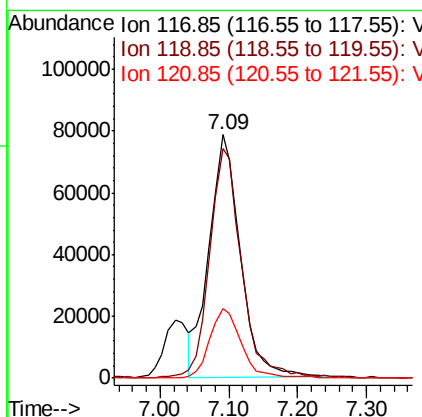
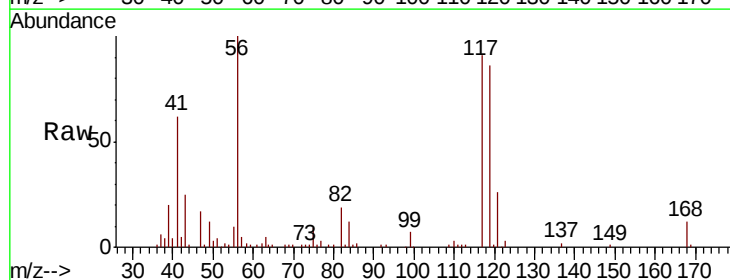
Instrument :
MSVOA_D
ClientSampleId :
VD0405SBS01

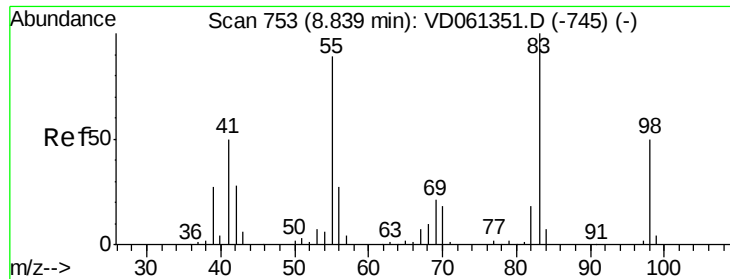
Tgt Ion: 43 Resp: 83107
Ion Ratio Lower Upper
43 100
61 17.3 13.8 20.8
70 9.0 7.8 11.8



#38
Carbon Tetrachloride
Concen: 24.724 ug/l
RT: 7.09 min Scan# 576
Delta R.T. 0.00 min
Lab File: VD061617.D
Acq: 5 Apr 2019 13:31

Tgt Ion: 117 Resp: 249017
Ion Ratio Lower Upper
117 100
119 94.2 80.1 120.1
121 28.5 25.6 38.4

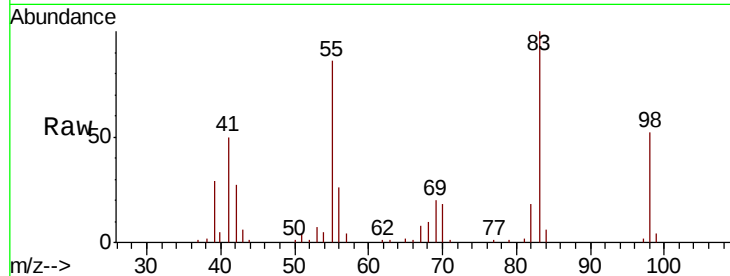




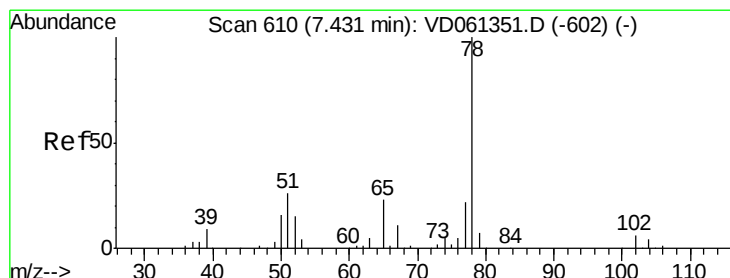
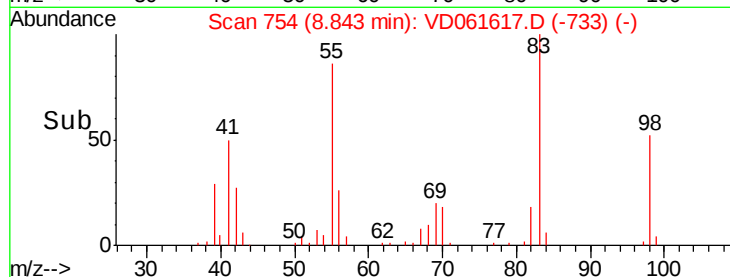
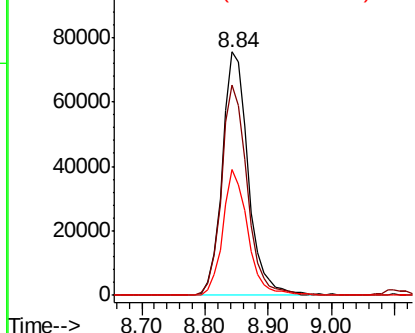
#39
Methylcyclohexane
Concen: 23.618 ug/l
RT: 8.84 min Scan# 754
Delta R.T. 0.00 min
Lab File: VD061617.D
Acq: 5 Apr 2019 13:31

Instrument :
MSVOA_D
ClientSampleId :
VD0405SBS01

Tgt Ion: 83 Resp: 215596
Ion Ratio Lower Upper
83 100
55 86.4 71.5 107.3
98 51.7 40.3 60.5

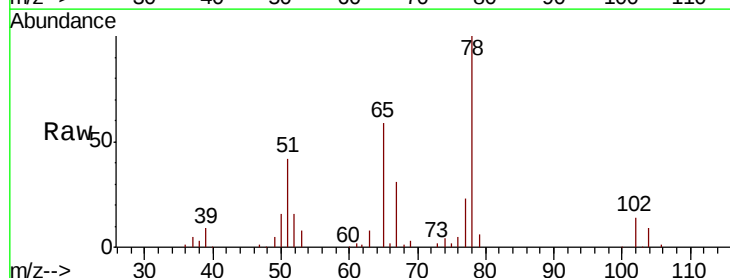


Abundance Ion 83.05 (82.75 to 83.75): VDC
Ion 55.00 (54.70 to 55.70): VDC
Ion 98.05 (97.75 to 98.75): VDC

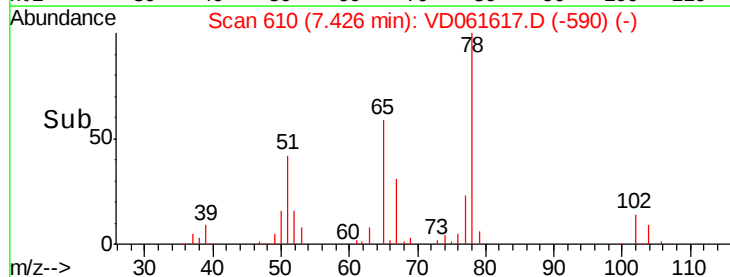
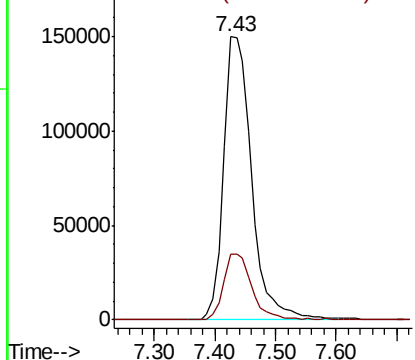


#40
Benzene
Concen: 21.897 ug/l
RT: 7.43 min Scan# 610
Delta R.T. -0.01 min
Lab File: VD061617.D
Acq: 5 Apr 2019 13:31

Tgt Ion: 78 Resp: 481676
Ion Ratio Lower Upper
78 100
77 23.4 17.8 26.6



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

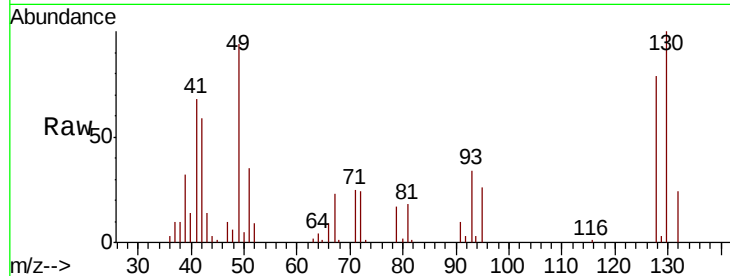




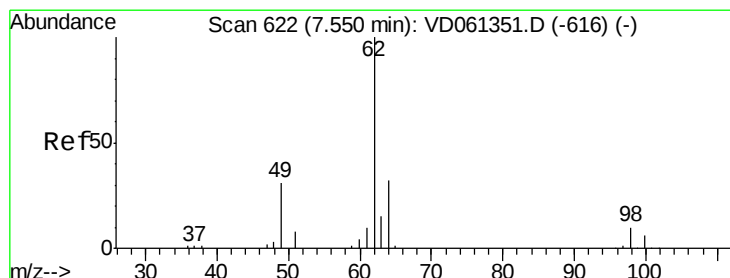
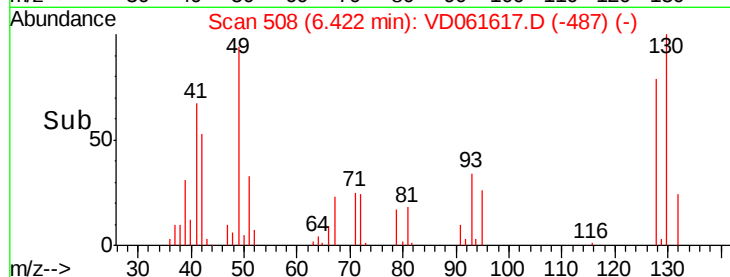
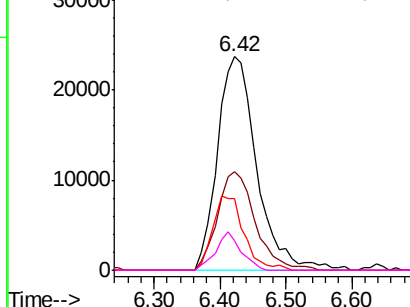
#41
Methacrylonitrile
Concen: 22.381 ug/l
RT: 6.42 min Scan# 508
Delta R.T. 0.00 min
Lab File: VD061617.D
Acq: 5 Apr 2019 13:31

Instrument :
MSVOA_D
ClientSampleId :
VD0405SBS01

Tgt Ion: 41 Resp: 98096
Ion Ratio Lower Upper
41 100
39 46.4 35.0 52.6
67 33.4 21.0 31.6#
52 13.7 7.7 11.5#

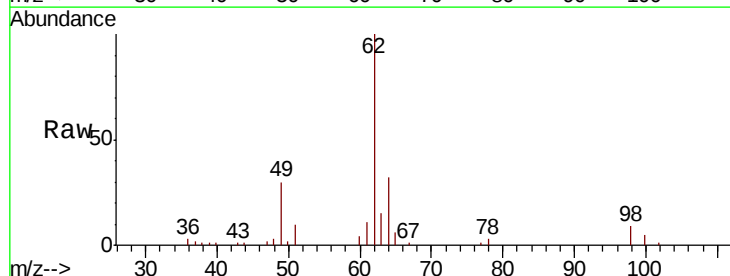


Abundance Ion 40.95 (40.65 to 41.65): VDC
Ion 38.95 (38.65 to 39.65): VDC
Ion 67.00 (66.70 to 67.70): VDC
Ion 52.00 (51.70 to 52.70): VDC

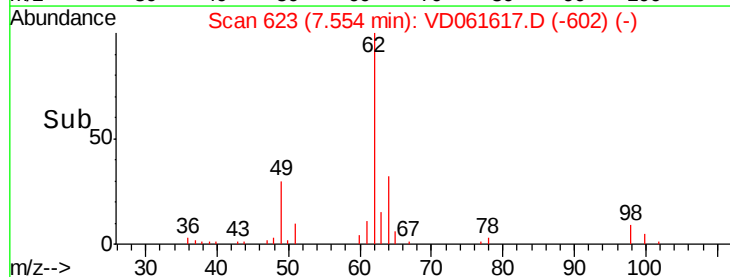
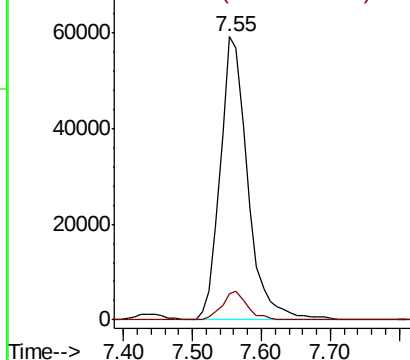


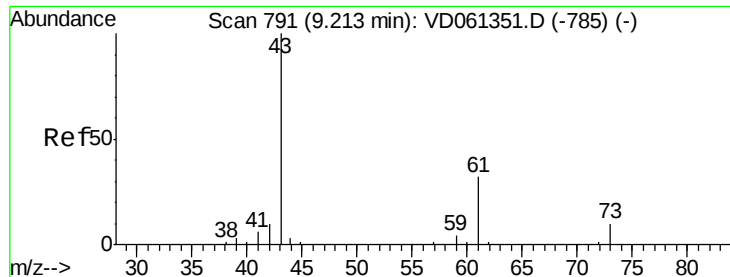
#42
1,2-Dichloroethane
Concen: 24.939 ug/l
RT: 7.55 min Scan# 623
Delta R.T. 0.00 min
Lab File: VD061617.D
Acq: 5 Apr 2019 13:31

Tgt Ion: 62 Resp: 164099
Ion Ratio Lower Upper
62 100
98 9.4 0.0 19.8



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





#43

Isopropyl Acetate

Concen: 21.941 ug/l

RT: 9.22 min Scan# 792

Delta R.T. 0.00 min

Lab File: VD061617.D

Acq: 5 Apr 2019 13:31

Instrument :

MSVOA_D

ClientSampleId :

VD0405SBS01

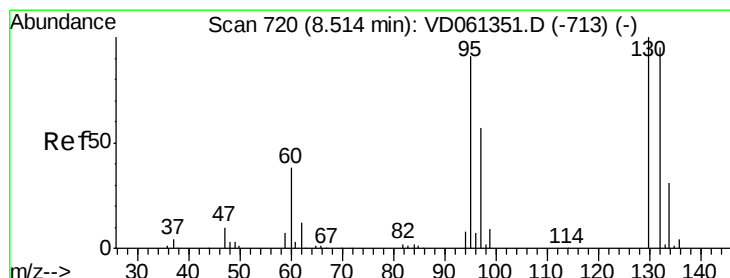
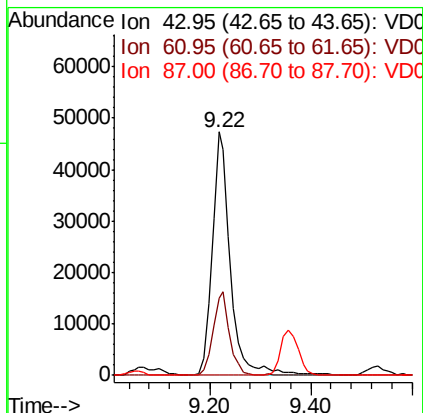
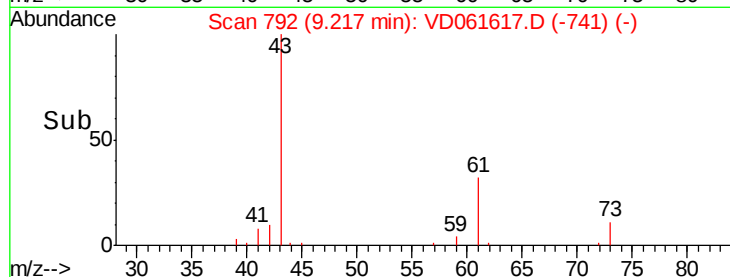
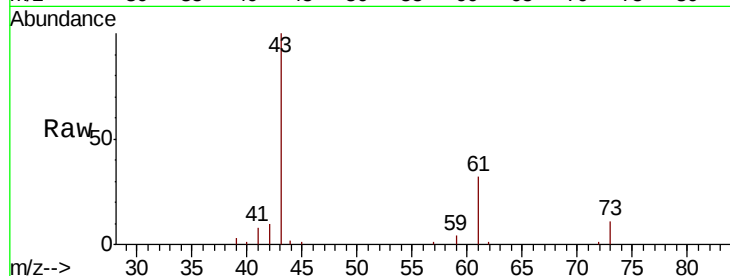
Tgt Ion: 43 Resp: 119669

Ion Ratio Lower Upper

43 100

61 31.8 25.8 38.6

87 0.0 0.0 0.0



#44

Trichloroethene

Concen: 22.073 ug/l

RT: 8.52 min Scan# 721

Delta R.T. 0.00 min

Lab File: VD061617.D

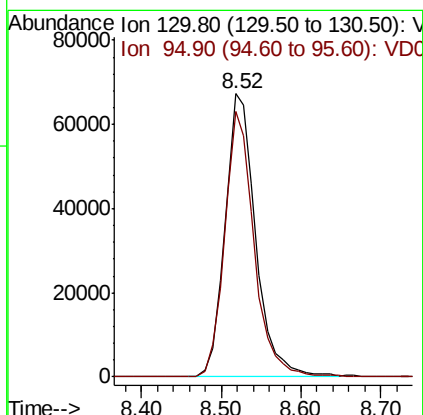
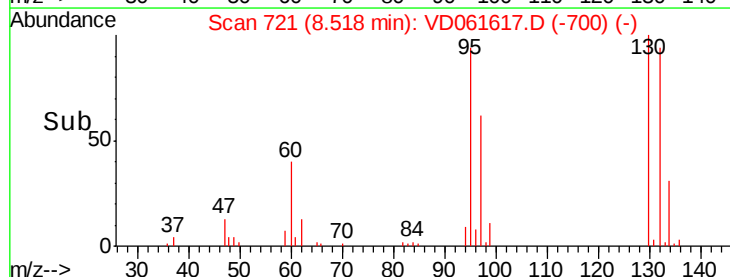
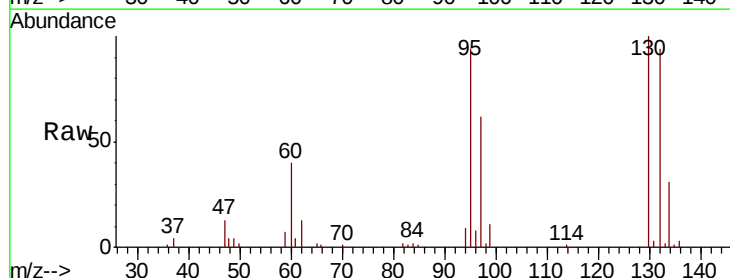
Acq: 5 Apr 2019 13:31

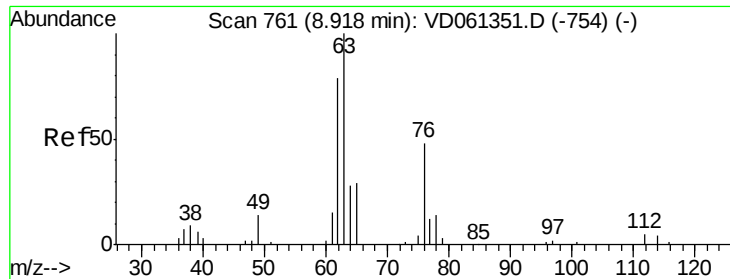
Tgt Ion: 130 Resp: 180693

Ion Ratio Lower Upper

130 100

95 93.8 0.0 181.4





#45

1,2-Dichloropropane

Concen: 23.079 ug/l

RT: 8.92 min Scan# 762

Delta R.T. 0.00 min

Lab File: VD061617.D

Acq: 5 Apr 2019 13:31

Instrument :

MSVOA_D

ClientSampleId :

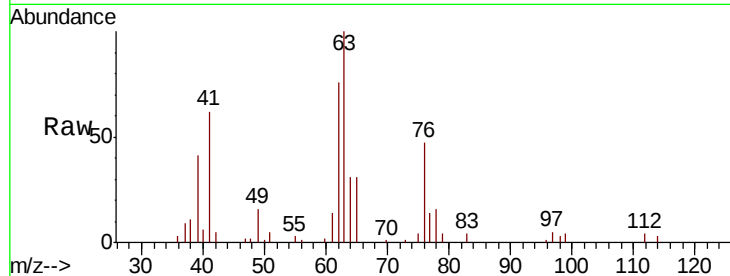
VD0405SBS01

Tgt Ion: 63 Resp: 128735

Ion Ratio Lower Upper

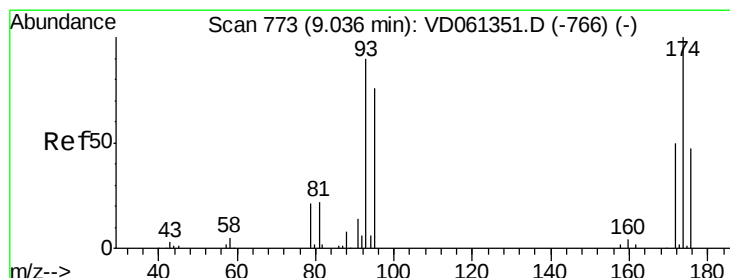
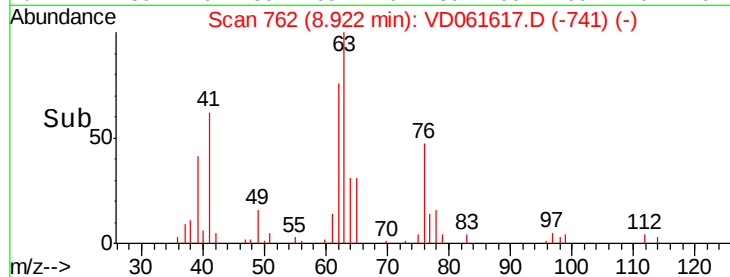
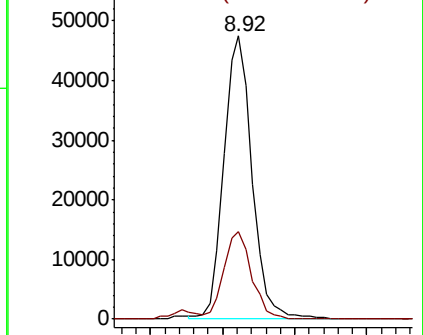
63 100

65 30.8 25.0 37.4



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC



#46

Dibromomethane

Concen: 23.522 ug/l

RT: 9.04 min Scan# 774

Delta R.T. 0.00 min

Lab File: VD061617.D

Acq: 5 Apr 2019 13:31

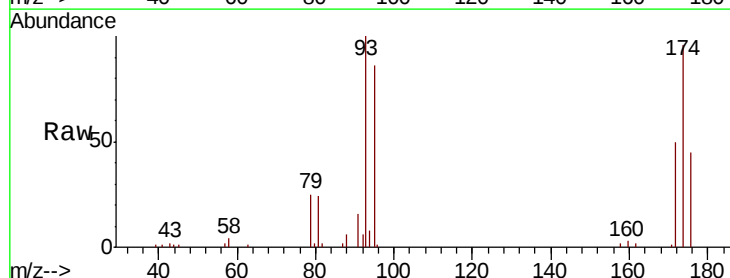
Tgt Ion: 93 Resp: 88311

Ion Ratio Lower Upper

93 100

95 85.8 67.4 101.0

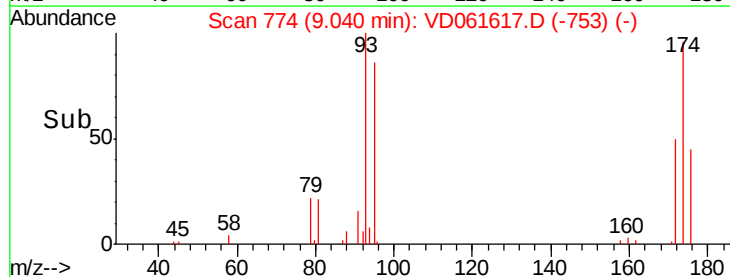
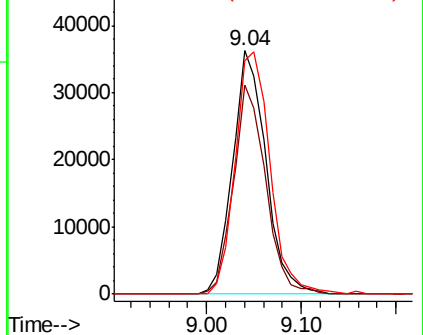
174 95.8 88.9 133.3

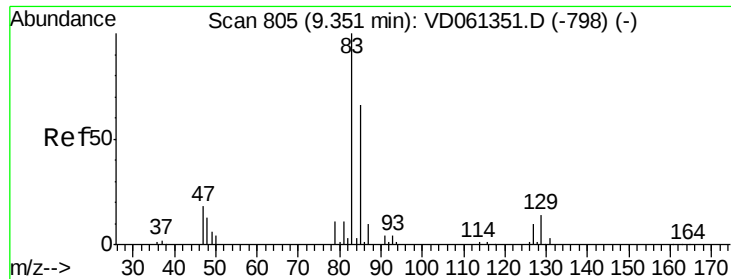


Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V





#47

Bromodichloromethane

Concen: 24.130 ug/l

RT: 9.36 min Scan# 806

Delta R.T. 0.00 min

Lab File: VD061617.D

Acq: 5 Apr 2019 13:31

Instrument :

MSVOA_D

ClientSampleId :

VD0405SBS01

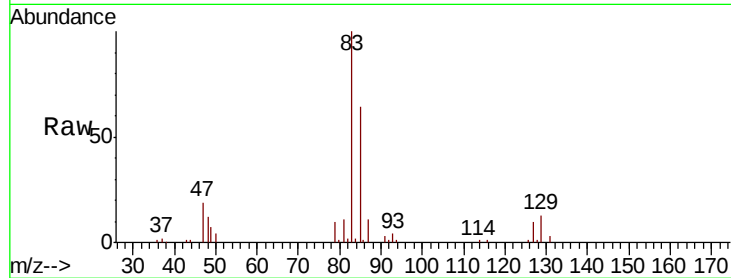
Tgt Ion: 83 Resp: 203329

Ion Ratio Lower Upper

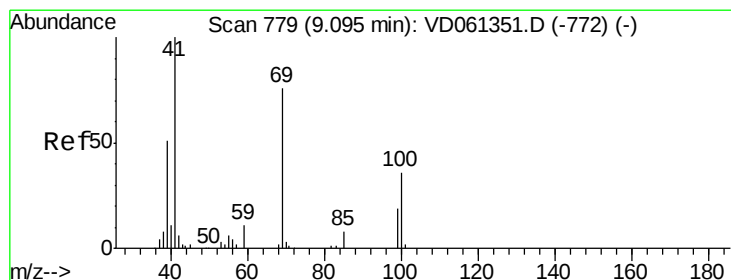
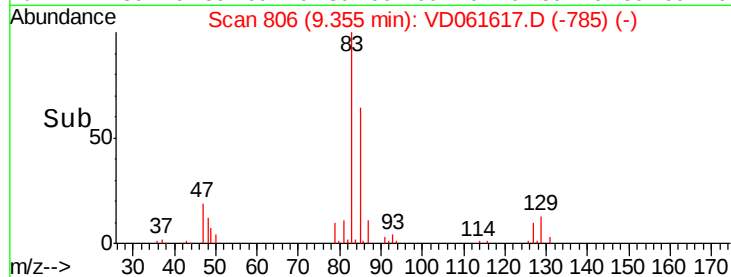
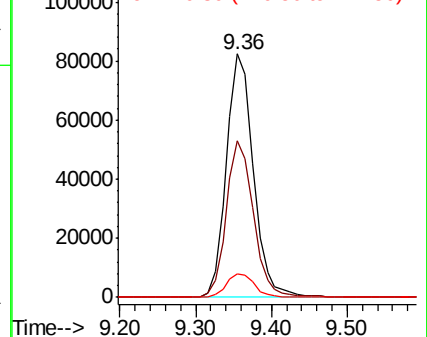
83 100

85 64.4 53.0 79.4

127 9.7 8.4 12.6



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



#48

Methyl methacrylate

Concen: 21.635 ug/l

RT: 9.10 min Scan# 780

Delta R.T. 0.00 min

Lab File: VD061617.D

Acq: 5 Apr 2019 13:31

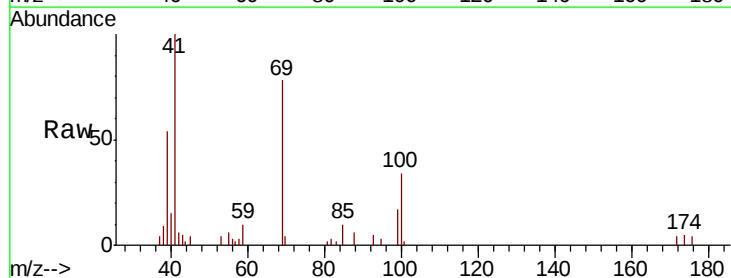
Tgt Ion: 41 Resp: 65123

Ion Ratio Lower Upper

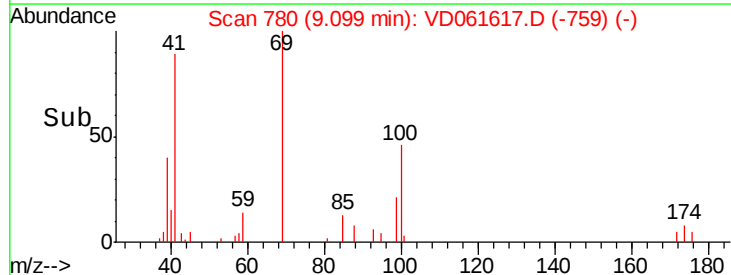
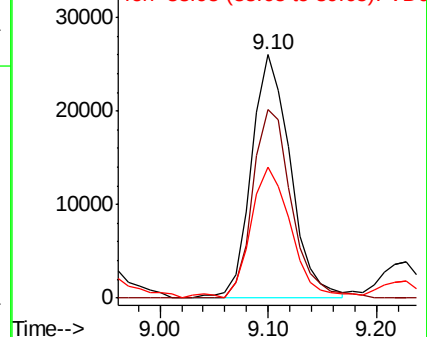
41 100

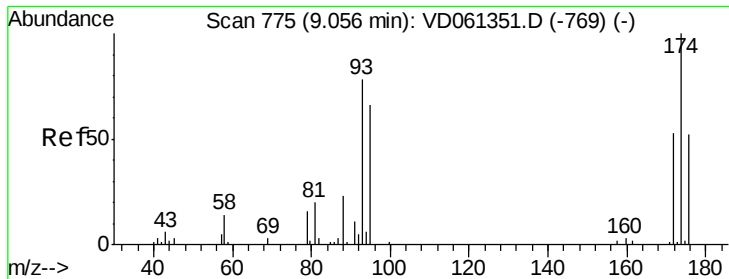
69 77.6 60.2 90.4

39 53.8 41.4 62.2



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

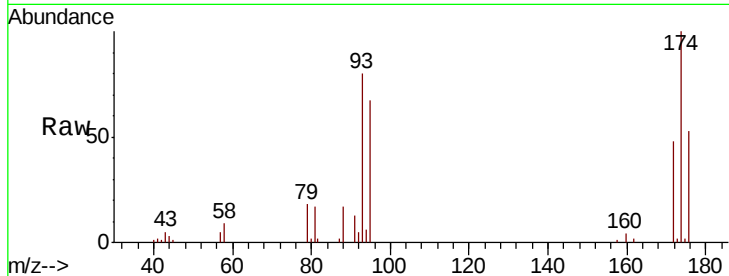




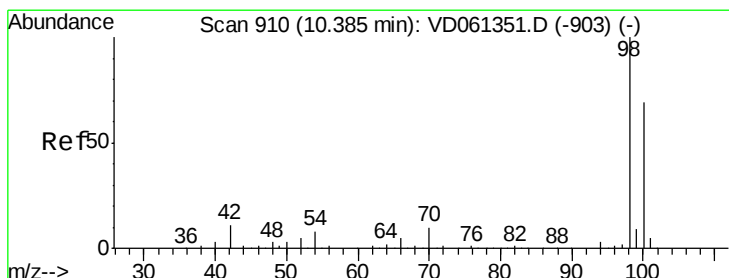
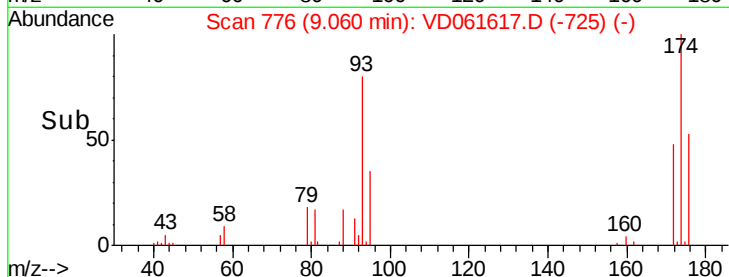
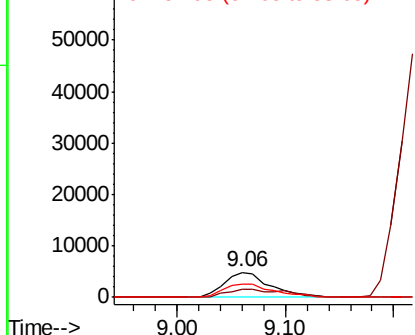
#49
1,4-Dioxane
Concen: 437.103 ug/l
RT: 9.06 min Scan# 776
Delta R.T. 0.00 min
Lab File: VD061617.D
Acq: 5 Apr 2019 13:31

Instrument :
MSVOA_D
ClientSampleId :
VD0405SBS01

Tgt Ion: 88 Resp: 14512
Ion Ratio Lower Upper
88 100
43 31.1 23.3 34.9
58 52.8 50.8 76.2

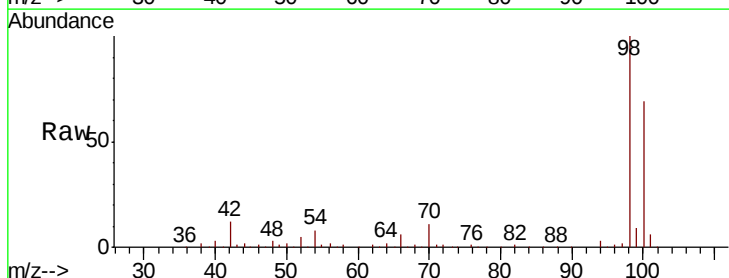


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 57.95 (57.65 to 58.65): VDC

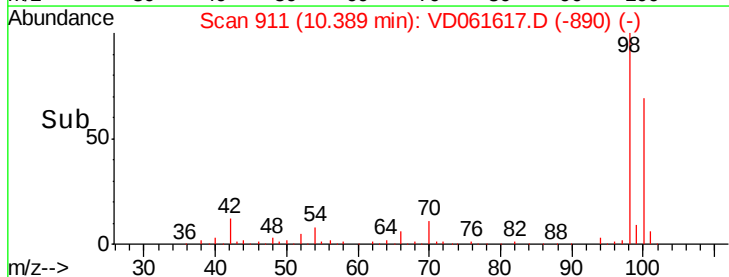
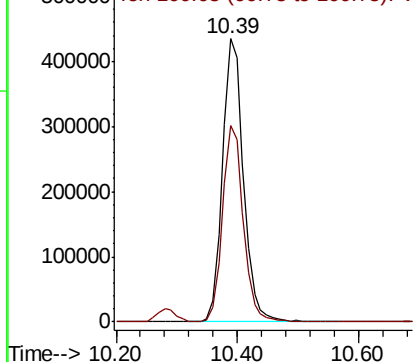


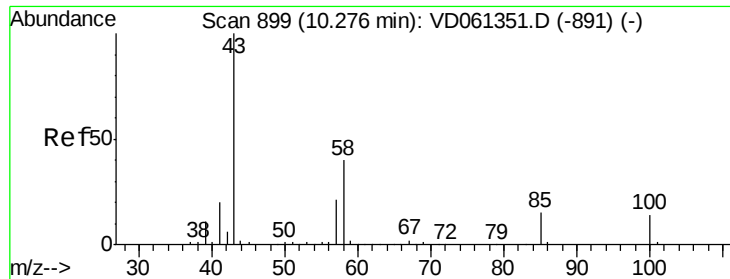
#50
Toluene-d8
Concen: 437.103 ug/l
RT: 10.39 min Scan# 911
Delta R.T. 0.00 min
Lab File: VD061617.D
Acq: 5 Apr 2019 13:31

Tgt Ion: 98 Resp: 1044679
Ion Ratio Lower Upper
98 100
100 69.5 56.2 84.2



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





#51

4-Methyl-2-Pentanone

Concen: 109.407 ug/l

RT: 10.28 min Scan# 900

Delta R.T. 0.00 min

Lab File: VD061617.D

Acq: 5 Apr 2019 13:31

Instrument :

MSVOA_D

ClientSampleId :

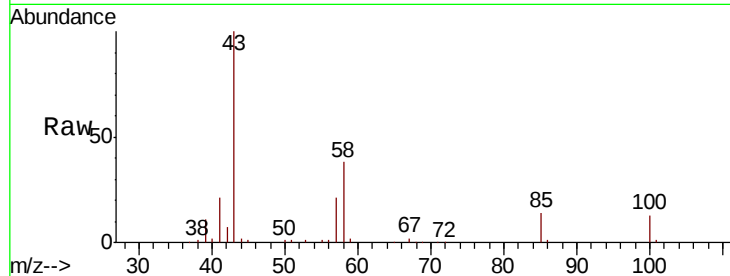
VD0405SBS01

Tgt Ion: 43 Resp: 363036

Ion Ratio Lower Upper

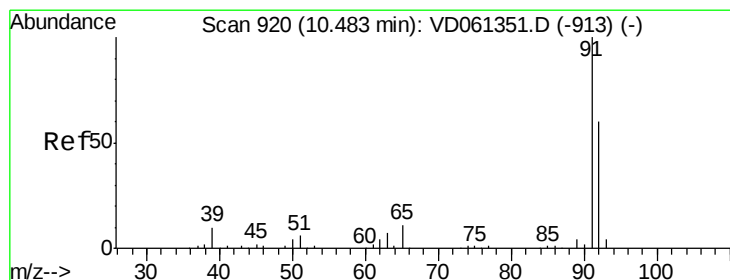
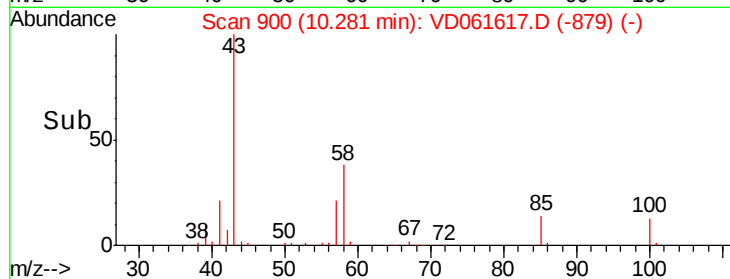
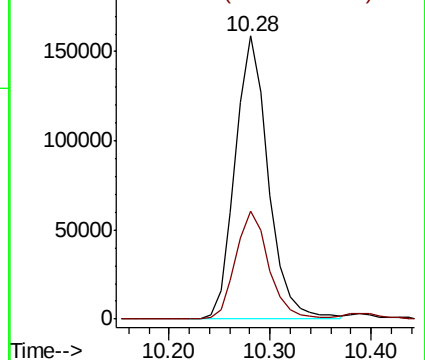
43 100

58 38.3 31.8 47.8



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#52

Toluene

Concen: 24.170 ug/l

RT: 10.49 min Scan# 921

Delta R.T. 0.00 min

Lab File: VD061617.D

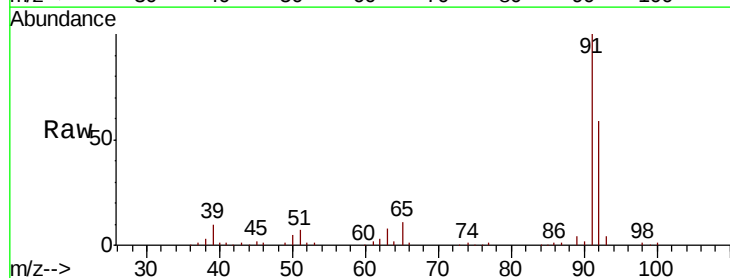
Acq: 5 Apr 2019 13:31

Tgt Ion: 92 Resp: 324370

Ion Ratio Lower Upper

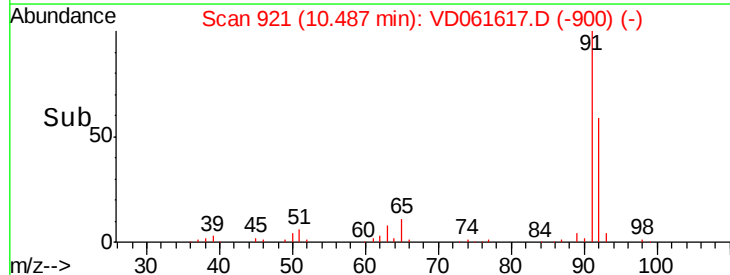
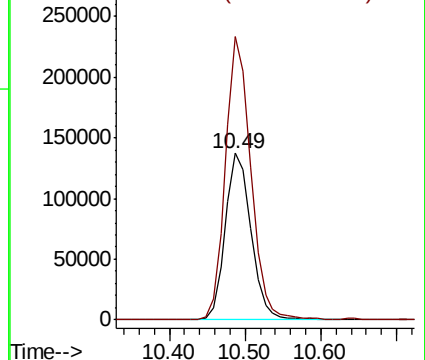
92 100

91 169.9 133.3 199.9



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

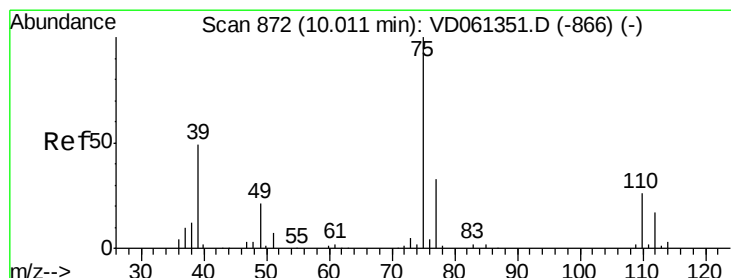
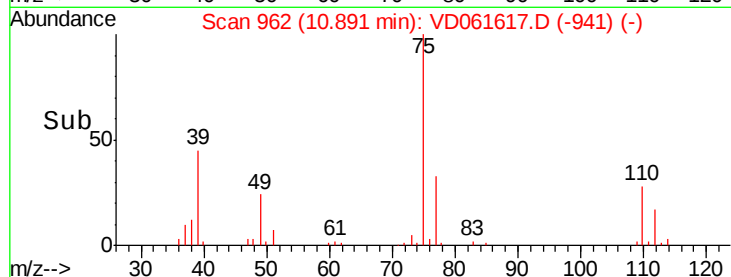
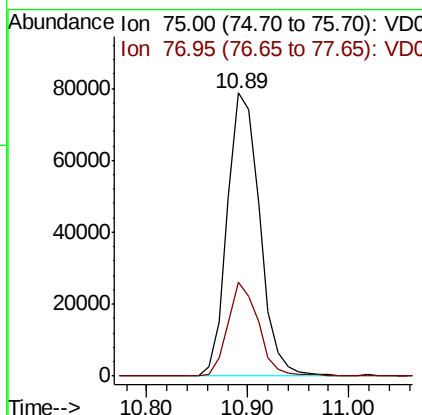
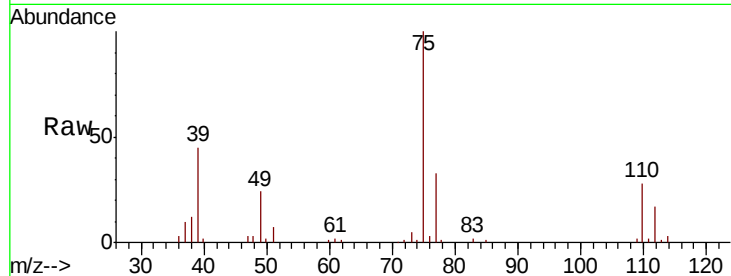




#53
 t-1,3-Dichloropropene
 Concen: 23.008 ug/l
 RT: 10.89 min Scan# 962
 Delta R.T. 0.00 min
 Lab File: VD061617.D
 Acq: 5 Apr 2019 13:31

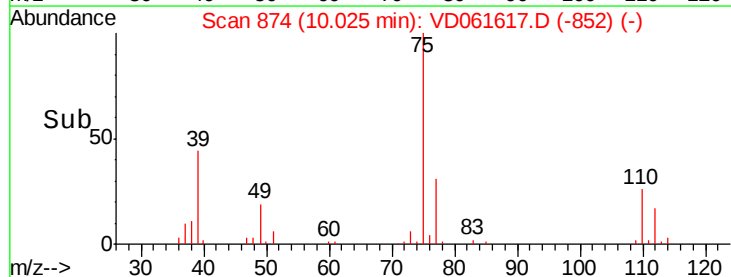
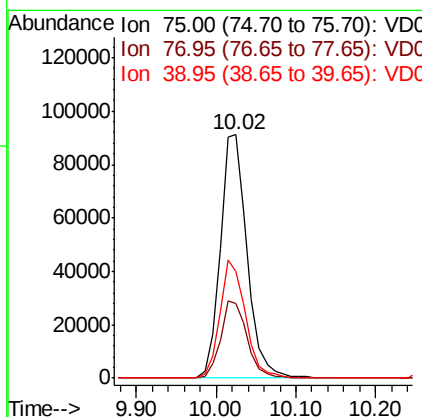
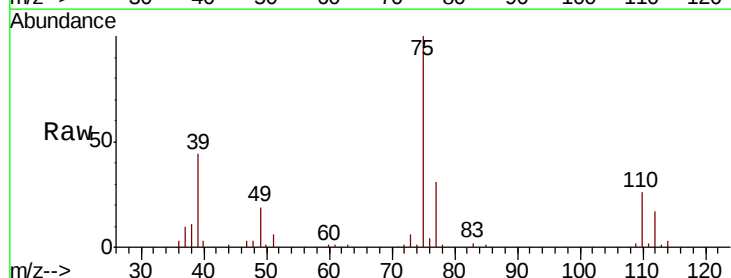
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0405SBS01

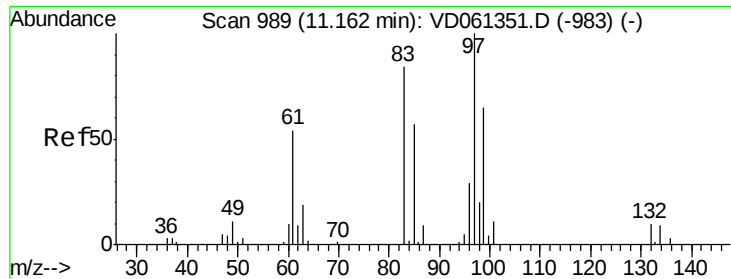
Tgt Ion: 75 Resp: 176148
 Ion Ratio Lower Upper
 75 100
 77 33.3 25.4 38.2



#54
 cis-1,3-Dichloropropene
 Concen: 23.060 ug/l
 RT: 10.02 min Scan# 874
 Delta R.T. 0.01 min
 Lab File: VD061617.D
 Acq: 5 Apr 2019 13:31

Tgt Ion: 75 Resp: 214970
 Ion Ratio Lower Upper
 75 100
 77 30.9 26.2 39.4
 39 43.7 39.4 59.0

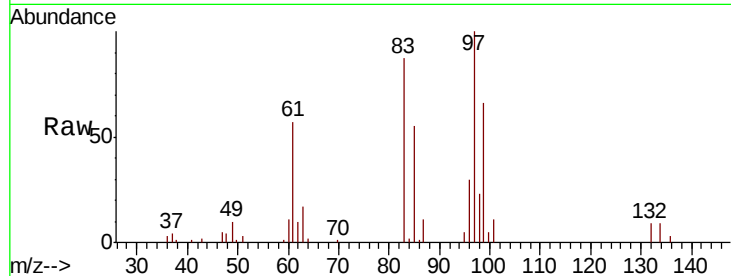




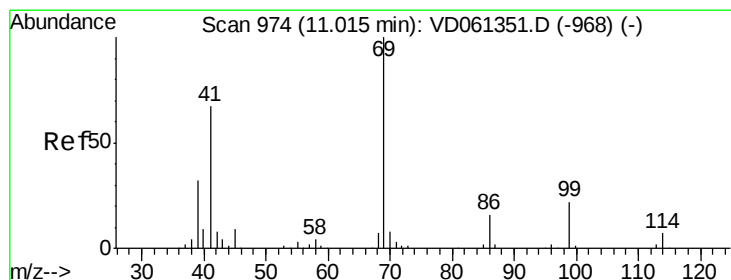
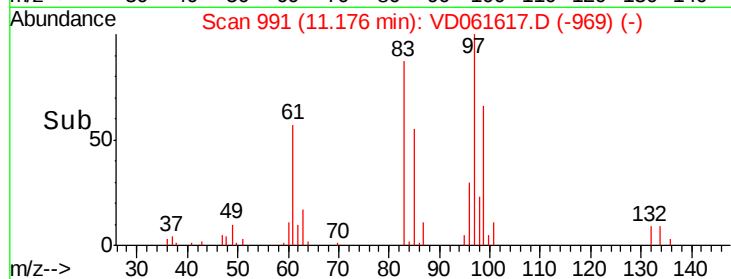
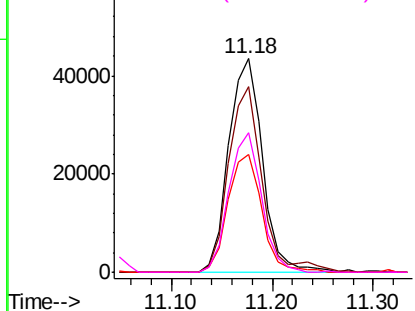
#55
 1,1,2-Trichloroethane
 Concen: 21.518 ug/l
 RT: 11.18 min Scan# 991
 Delta R.T. 0.01 min
 Lab File: VD061617.D
 Acq: 5 Apr 2019 13:31

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0405SBS01

Tgt Ion:	97	Resp:	100990
Ion	Ratio	Lower	Upper
97	100		
83	87.1	67.0	100.6
85	54.9	45.4	68.2
99	65.5	51.9	77.9

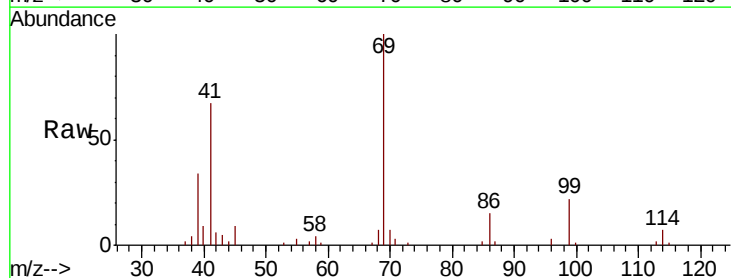


Abundance Ion 96.85 (96.55 to 97.55): VDC
 Ion 82.95 (82.65 to 83.65): VDC
 Ion 84.95 (84.65 to 85.65): VDC
 Ion 98.85 (98.55 to 99.55): VDC

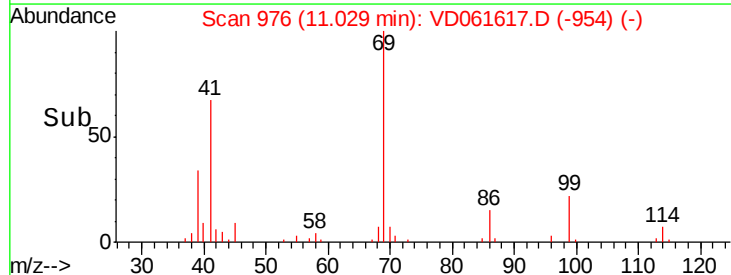
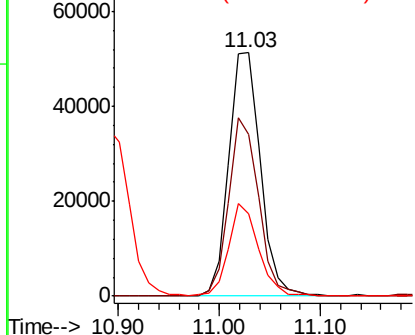


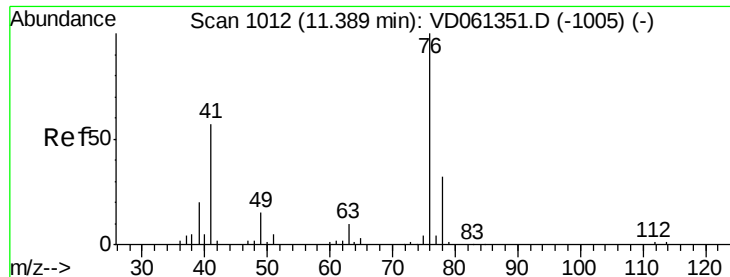
#56
 Ethyl methacrylate
 Concen: 22.150 ug/l
 RT: 11.03 min Scan# 976
 Delta R.T. 0.01 min
 Lab File: VD061617.D
 Acq: 5 Apr 2019 13:31

Tgt Ion:	69	Resp:	111676
Ion	Ratio	Lower	Upper
69	100		
41	66.7	53.8	80.6
39	33.6	26.4	39.6



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

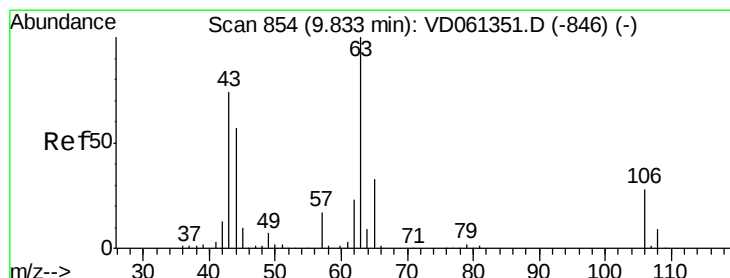
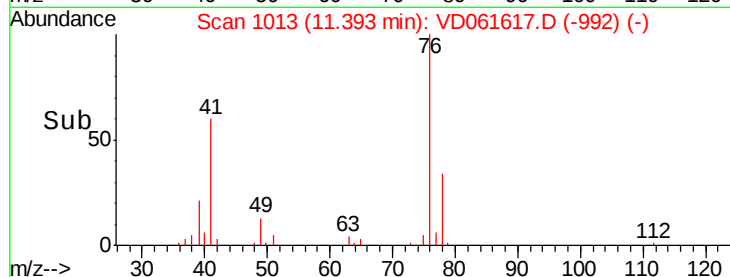
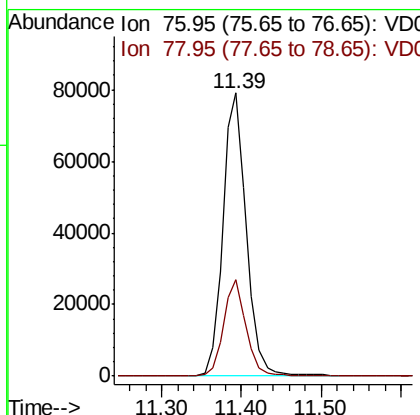
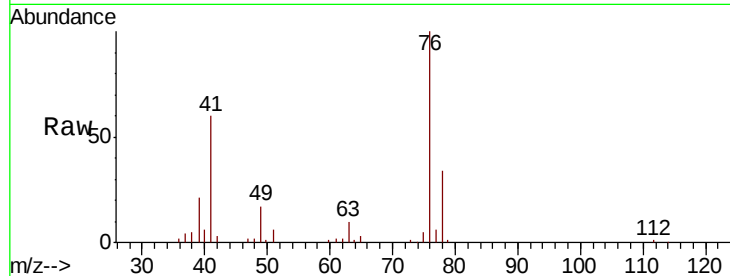




#57
 1,3-Dichloropropane
 Concen: 23.495 ug/l
 RT: 11.39 min Scan# 1013
 Delta R.T. 0.00 min
 Lab File: VD061617.D
 Acq: 5 Apr 2019 13:31

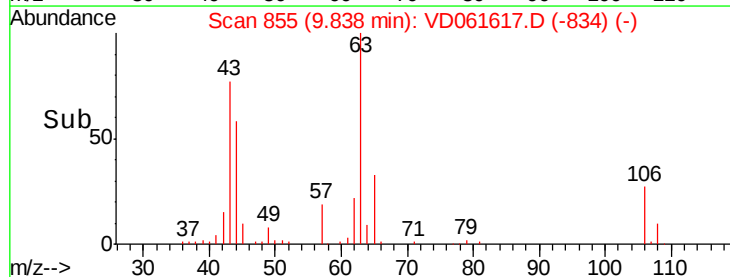
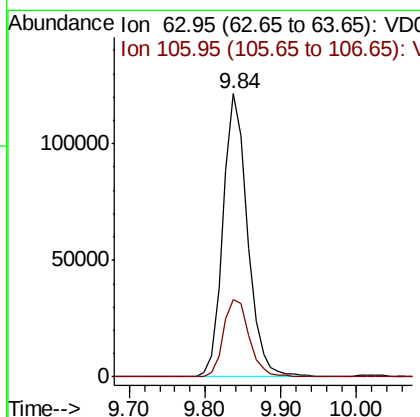
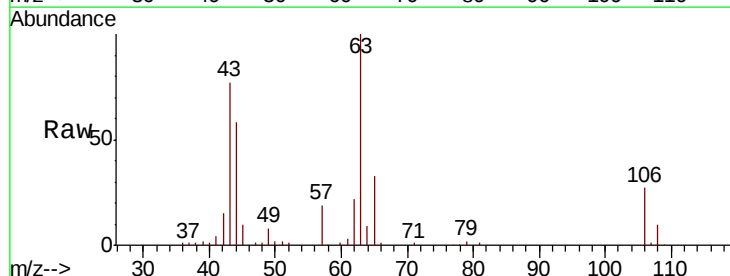
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0405SBS01

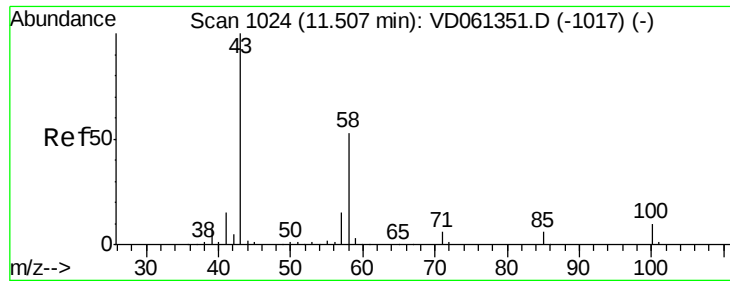
Tgt Ion: 76 Resp: 162075
 Ion Ratio Lower Upper
 76 100
 78 34.2 25.4 38.0



#58
 2-Chloroethyl Vinyl ether
 Concen: 111.053 ug/l
 RT: 9.84 min Scan# 855
 Delta R.T. 0.00 min
 Lab File: VD061617.D
 Acq: 5 Apr 2019 13:31

Tgt Ion: 63 Resp: 272677
 Ion Ratio Lower Upper
 63 100
 106 27.2 22.4 33.6

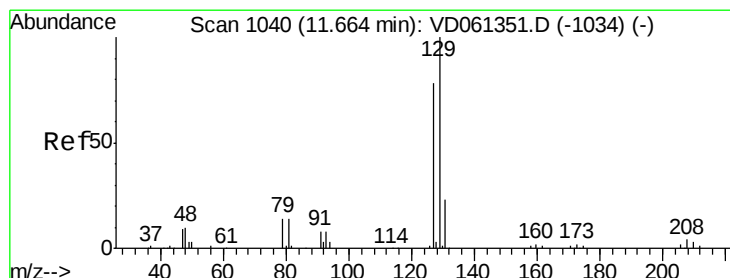
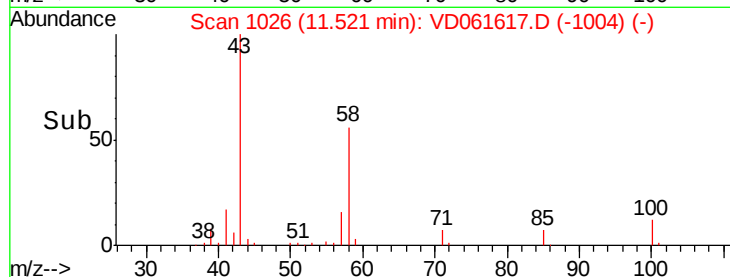
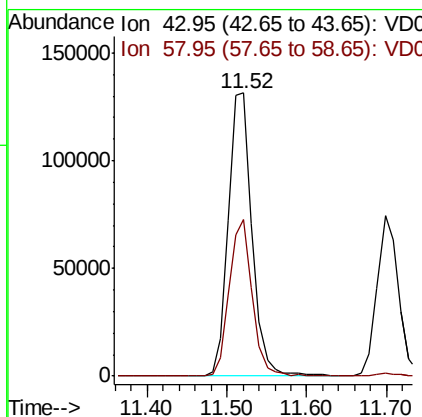
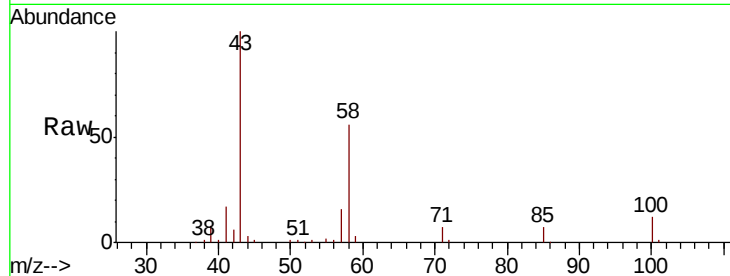




#59
2-Hexanone
Concen: 114.817 ug/l
RT: 11.52 min Scan# 1026
Delta R.T. 0.01 min
Lab File: VD061617.D
Acq: 5 Apr 2019 13:31

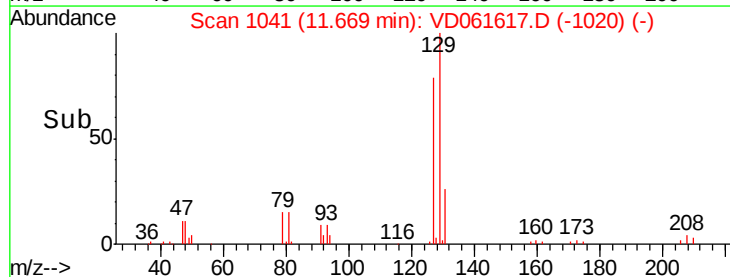
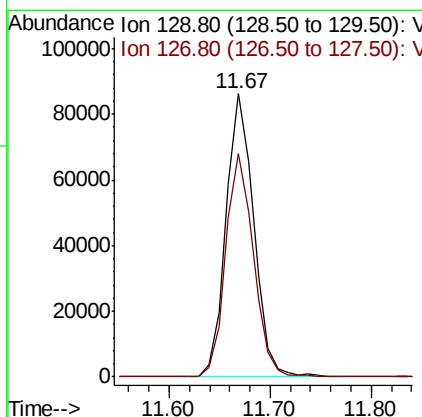
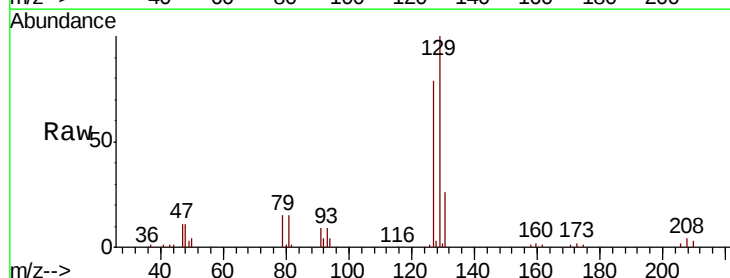
Instrument :
MSVOA_D
ClientSampleId :
VD0405SBS01

Tgt Ion: 43 Resp: 276036
Ion Ratio Lower Upper
43 100
58 55.5 26.3 78.9



#60
Dibromochloromethane
Concen: 22.726 ug/l
RT: 11.67 min Scan# 1041
Delta R.T. 0.00 min
Lab File: VD061617.D
Acq: 5 Apr 2019 13:31

Tgt Ion: 129 Resp: 164428
Ion Ratio Lower Upper
129 100
127 78.7 39.0 116.9

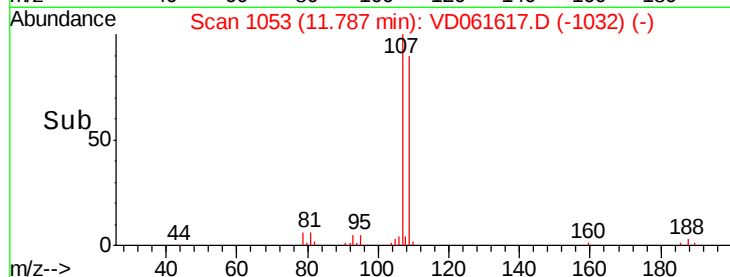
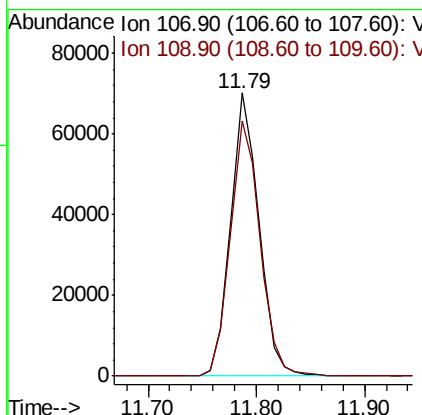
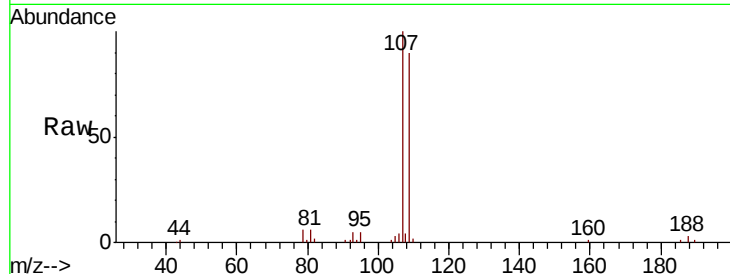




#61
 1,2-Dibromoethane
 Concen: 23.596 ug/l
 RT: 11.79 min Scan# 1053
 Delta R.T. 0.00 min
 Lab File: VD061617.D
 Acq: 5 Apr 2019 13:31

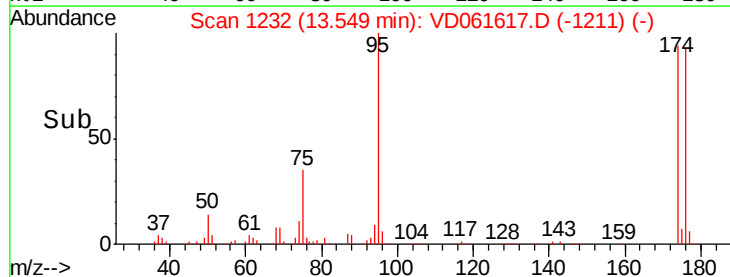
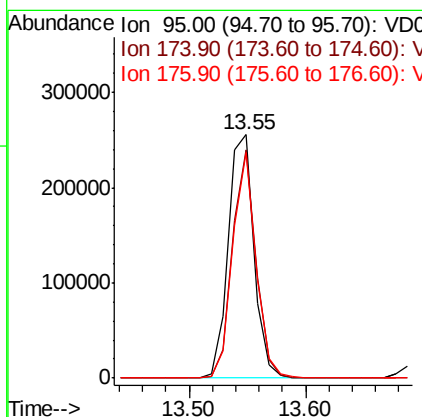
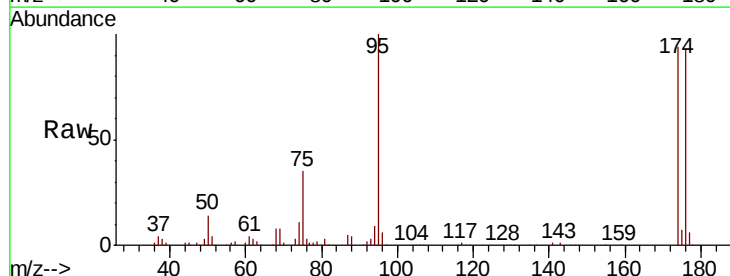
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0405SBS01

Tgt Ion: 107 Resp: 128235
 Ion Ratio Lower Upper
 107 100
 109 90.1 76.6 114.8



#62
 4-Bromofluorobenzene
 Concen: 23.596 ug/l
 RT: 13.55 min Scan# 1232
 Delta R.T. 0.00 min
 Lab File: VD061617.D
 Acq: 5 Apr 2019 13:31

Tgt Ion: 95 Resp: 392286
 Ion Ratio Lower Upper
 95 100
 174 93.5 0.0 178.0
 176 92.7 0.0 175.0

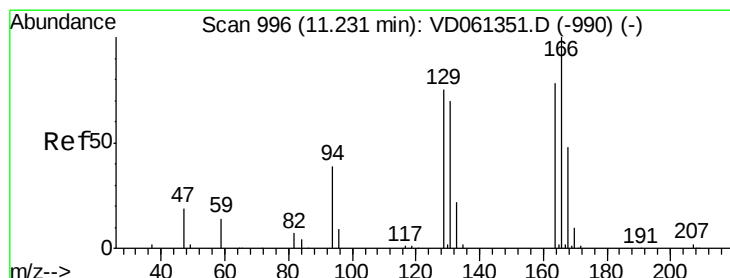
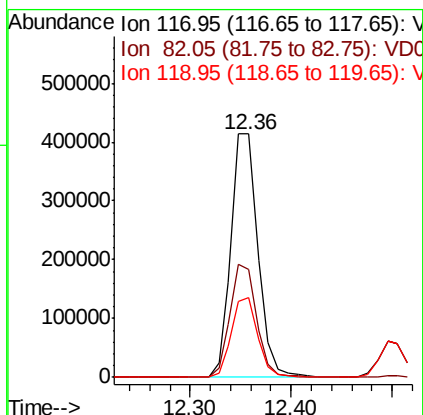
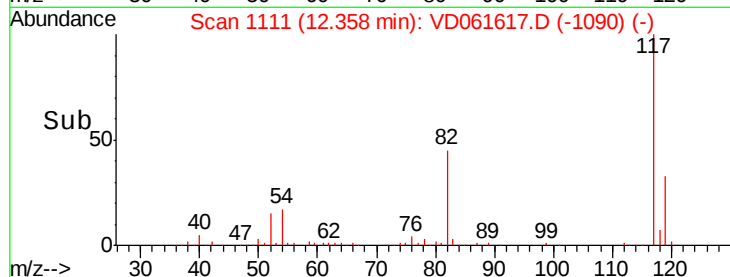
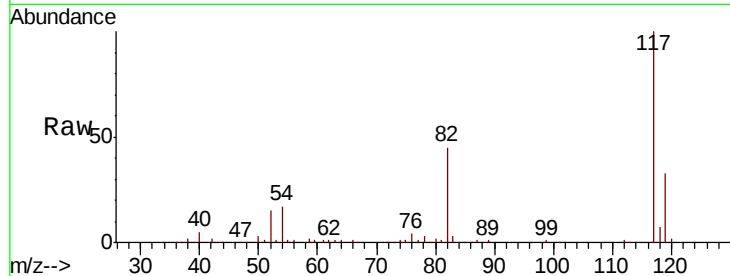




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.36 min Scan# 1111
Delta R.T. 0.00 min
Lab File: VD061617.D
Acq: 5 Apr 2019 13:31

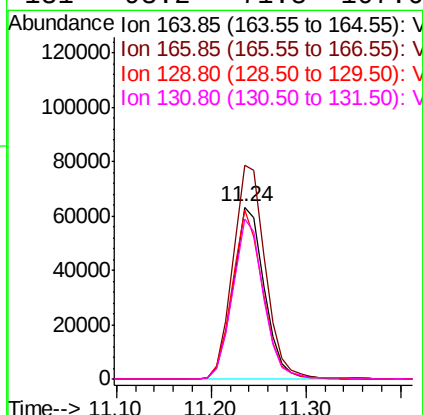
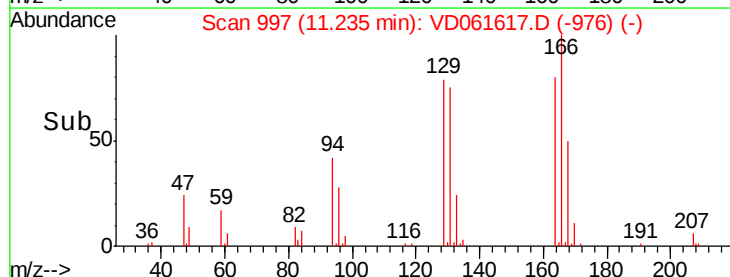
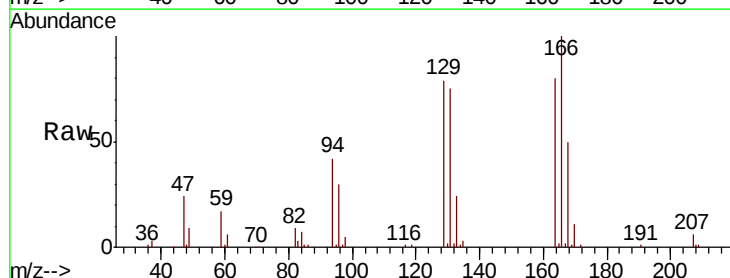
Instrument :
MSVOA_D
ClientSampleId :
VD0405SBS01

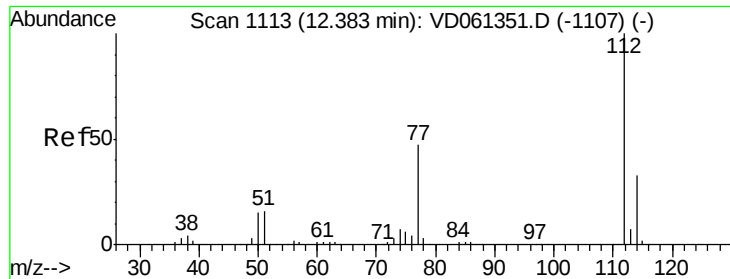
Tgt Ion:117 Resp: 769144
Ion Ratio Lower Upper
117 100
82 44.6 34.4 51.6
119 32.8 25.8 38.6



#64
Tetrachloroethene
Concen: 24.017 ug/l
RT: 11.24 min Scan# 997
Delta R.T. 0.00 min
Lab File: VD061617.D
Acq: 5 Apr 2019 13:31

Tgt Ion:164 Resp: 144976
Ion Ratio Lower Upper
164 100
166 124.3 102.4 153.6
129 98.0 76.8 115.2
131 93.2 71.8 107.6

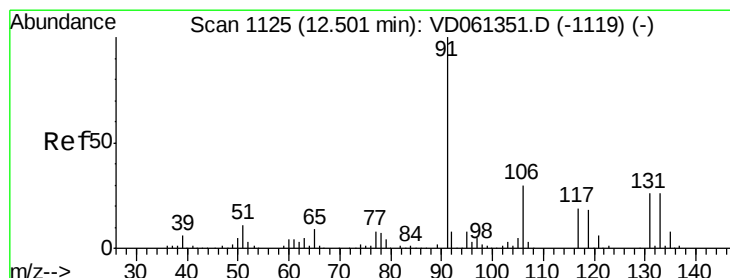
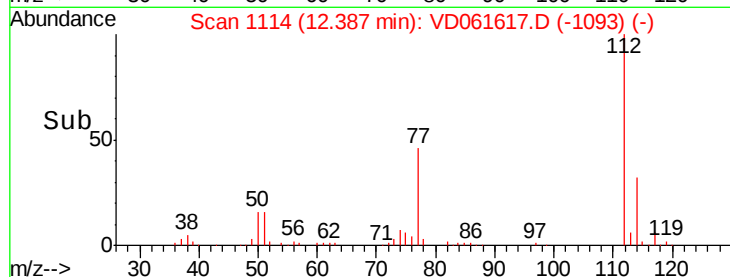
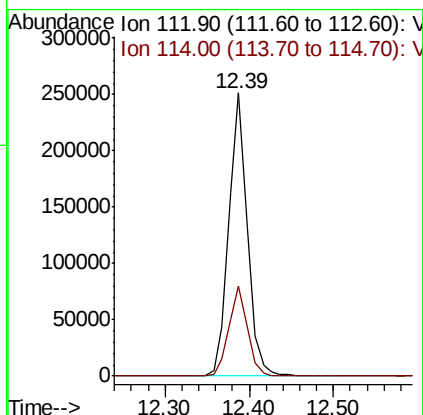
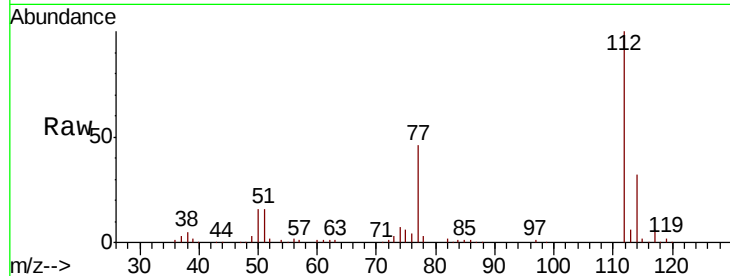




#65
Chlorobenzene
Concen: 24.321 ug/l
RT: 12.39 min Scan# 1114
Delta R.T. 0.00 min
Lab File: VD061617.D
Acq: 5 Apr 2019 13:31

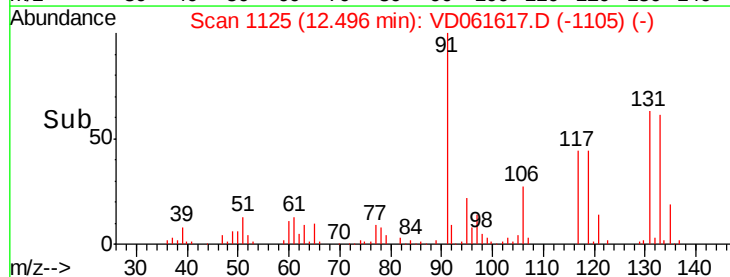
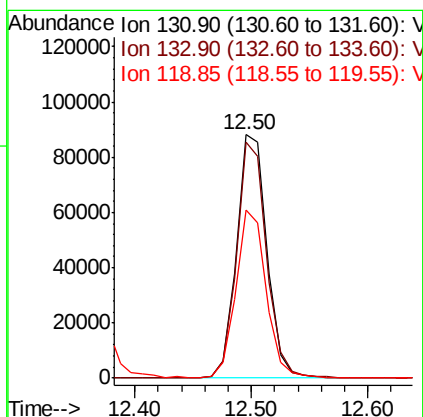
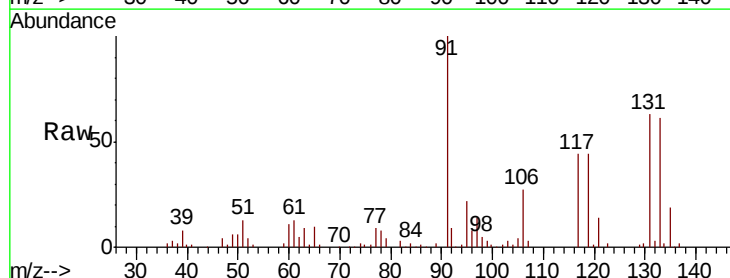
Instrument :
MSVOA_D
ClientSampleId :
VD0405SBS01

Tgt Ion:112 Resp: 382289
Ion Ratio Lower Upper
112 100
114 32.0 26.6 39.8



#66
1,1,1,2-Tetrachloroethane
Concen: 25.986 ug/l
RT: 12.50 min Scan# 1125
Delta R.T. -0.01 min
Lab File: VD061617.D
Acq: 5 Apr 2019 13:31

Tgt Ion:131 Resp: 158157
Ion Ratio Lower Upper
131 100
133 96.8 49.4 148.2
119 68.8 34.1 102.2

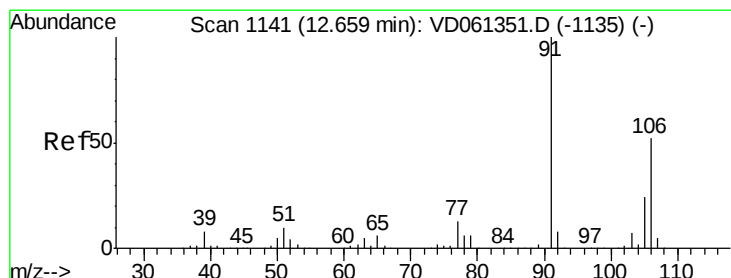
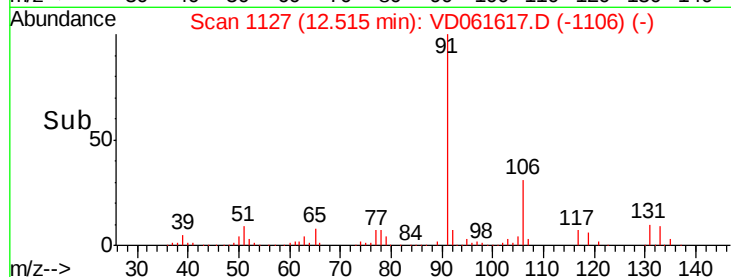
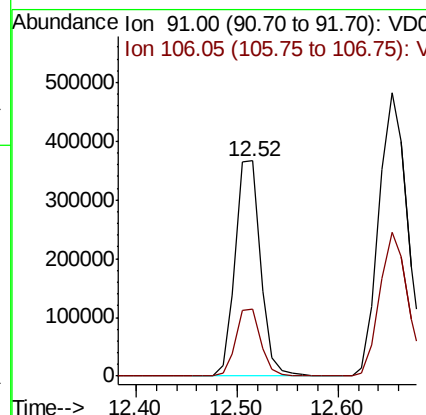
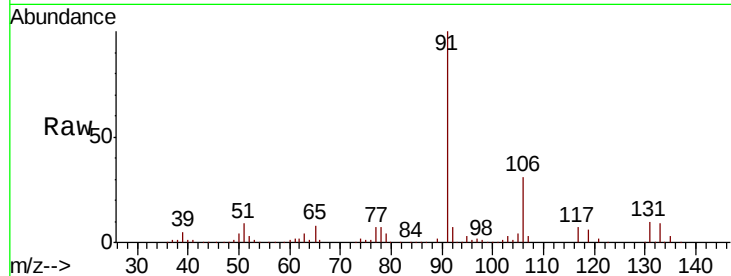




#67
Ethyl Benzene
Concen: 26.700 ug/l
RT: 12.52 min Scan# 1127
Delta R.T. 0.00 min
Lab File: VD061617.D
Acq: 5 Apr 2019 13:31

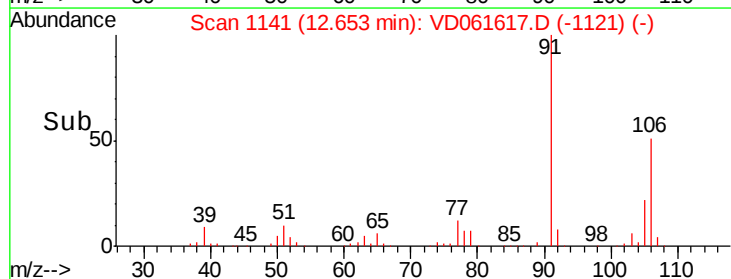
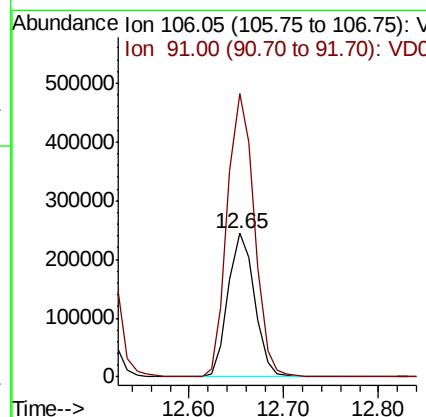
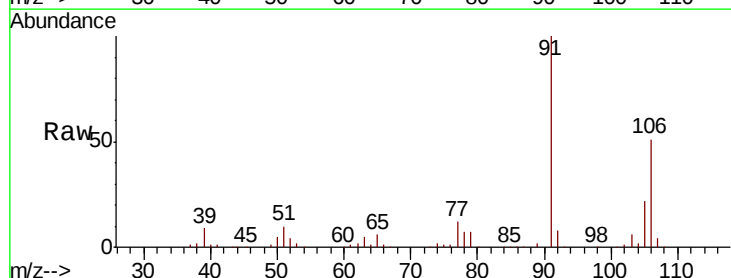
Instrument :
MSVOA_D
ClientSampleId :
VD0405SBS01

Tgt Ion: 91 Resp: 640609
Ion Ratio Lower Upper
91 100
106 31.5 26.1 39.1



#68
m/p-Xylenes
Concen: 52.361 ug/l
RT: 12.65 min Scan# 1141
Delta R.T. -0.01 min
Lab File: VD061617.D
Acq: 5 Apr 2019 13:31

Tgt Ion: 106 Resp: 475885
Ion Ratio Lower Upper
106 100
91 196.9 153.1 229.7

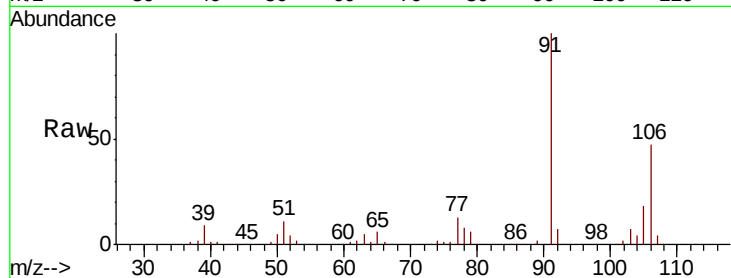




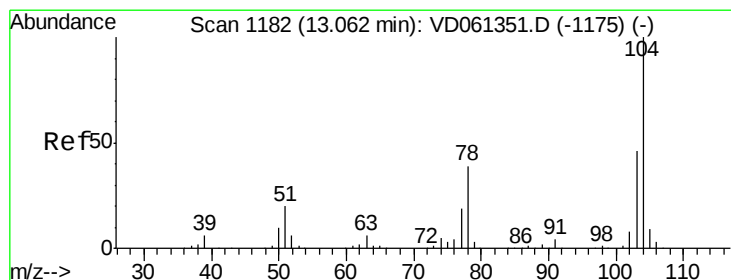
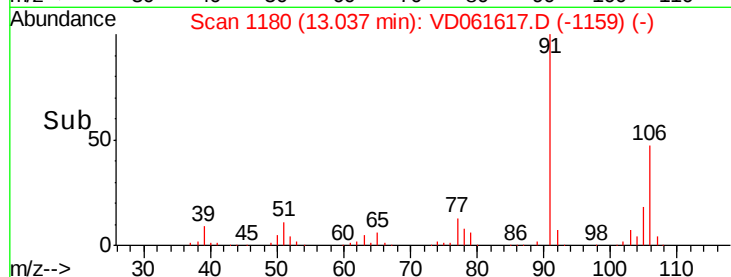
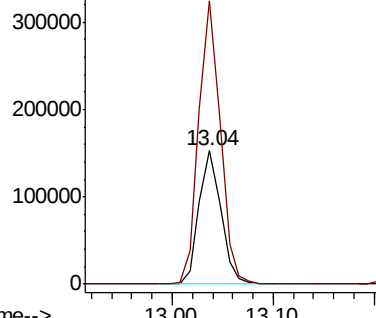
#69
o-Xylene
Concen: 26.259 ug/l
RT: 13.04 min Scan# 1180
Delta R.T. 0.00 min
Lab File: VD061617.D
Acq: 5 Apr 2019 13:31

Instrument :
MSVOA_D
ClientSampleId :
VD0405SBS01

Tgt Ion:106 Resp: 231598
Ion Ratio Lower Upper
106 100
91 212.8 103.8 311.3

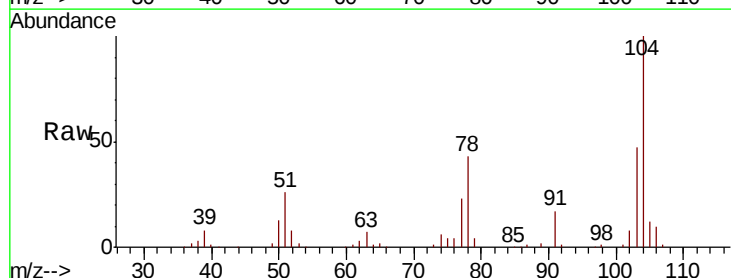


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): V

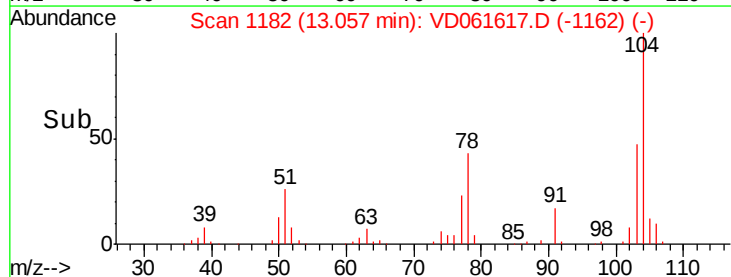
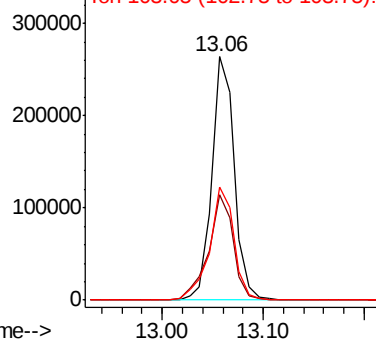


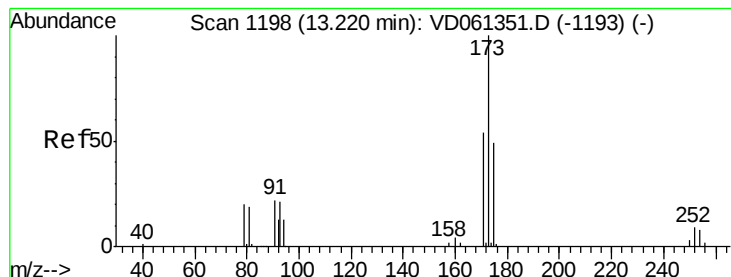
#70
Styrene
Concen: 26.463 ug/l
RT: 13.06 min Scan# 1182
Delta R.T. -0.01 min
Lab File: VD061617.D
Acq: 5 Apr 2019 13:31

Tgt Ion:104 Resp: 406856
Ion Ratio Lower Upper
104 100
78 43.4 31.0 46.6
103 46.5 37.0 55.4



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





#71

Bromoform

Concen: 23.261 ug/l

RT: 13.22 min Scan# 1199

Delta R.T. 0.00 min

Lab File: VD061617.D

Acq: 5 Apr 2019 13:31

Instrument :

MSVOA_D

ClientSampleId :

VD0405SBS01

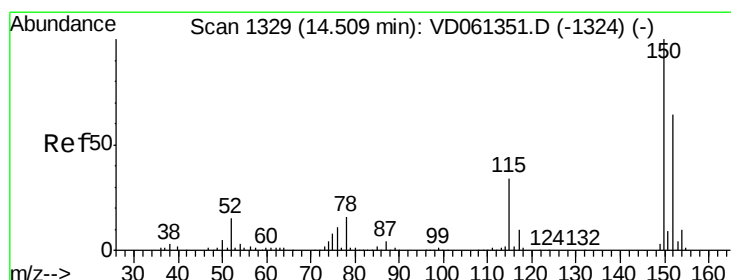
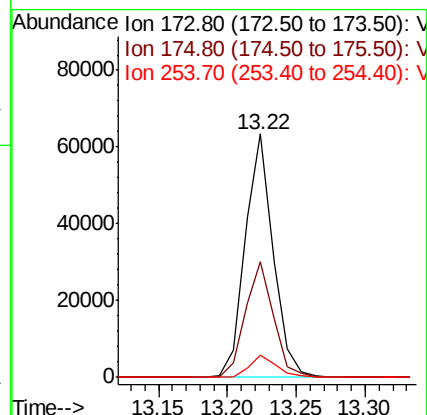
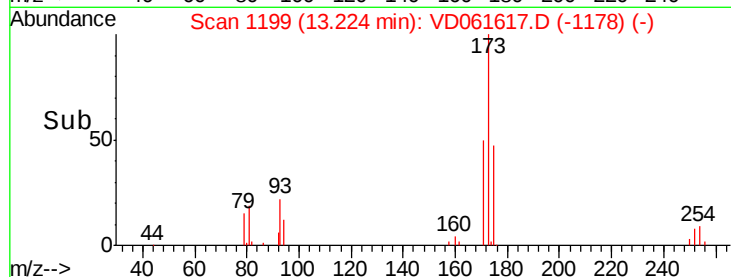
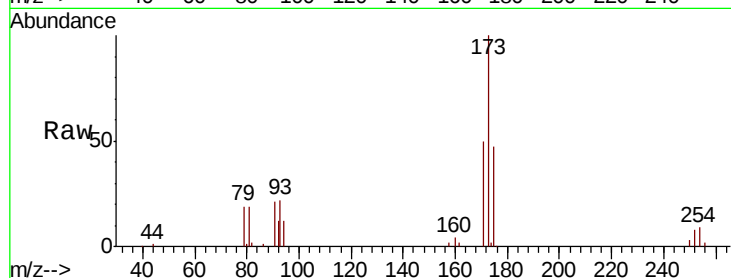
Tgt Ion:173 Resp: 89742

Ion Ratio Lower Upper

173 100

175 47.5 24.6 73.8

254 9.1 6.6 10.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 14.51 min Scan# 1330

Delta R.T. 0.00 min

Lab File: VD061617.D

Acq: 5 Apr 2019 13:31

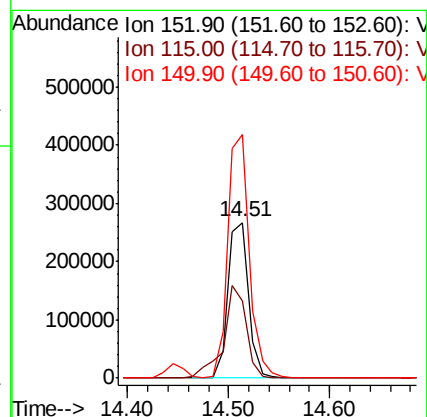
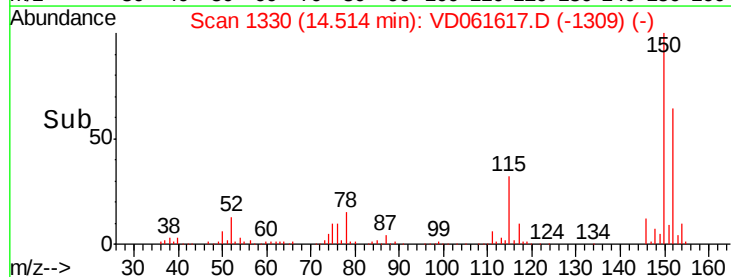
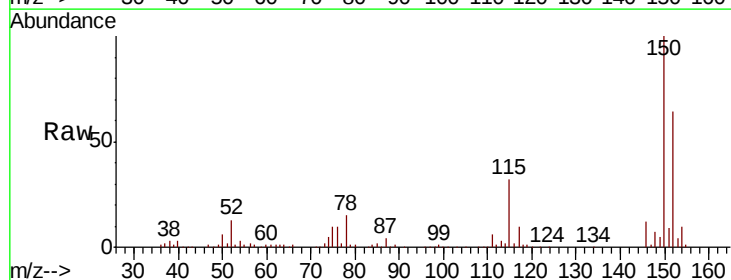
Tgt Ion:152 Resp: 380985

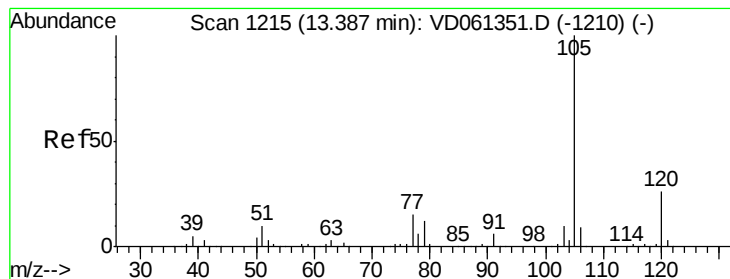
Ion Ratio Lower Upper

152 100

115 49.3 26.9 80.6

150 156.2 0.0 318.0





#73

Isopropylbenzene

Concen: 23.247 ug/l

RT: 13.39 min Scan# 1216

Delta R.T. 0.00 min

Lab File: VD061617.D

Acq: 5 Apr 2019 13:31

Instrument :

MSVOA_D

ClientSampleId :

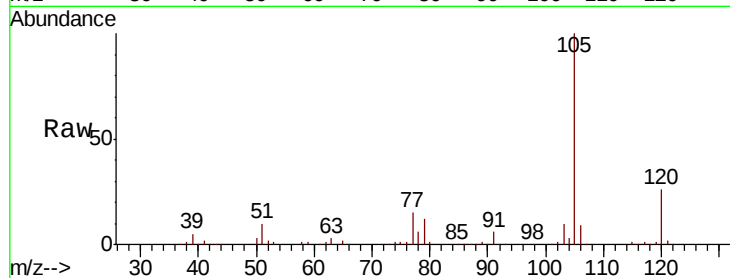
VD0405SBS01

Tgt Ion: 105 Resp: 616418

Ion Ratio Lower Upper

105 100

120 25.6 12.8 38.3



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V

13.39

400000

300000

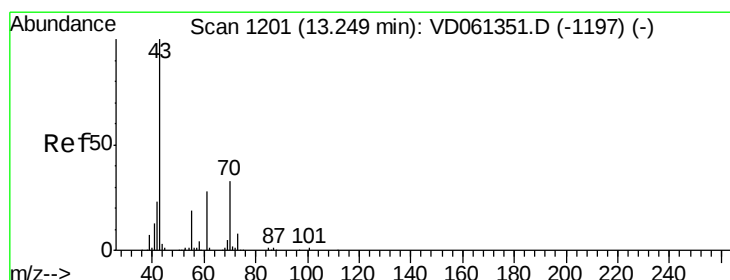
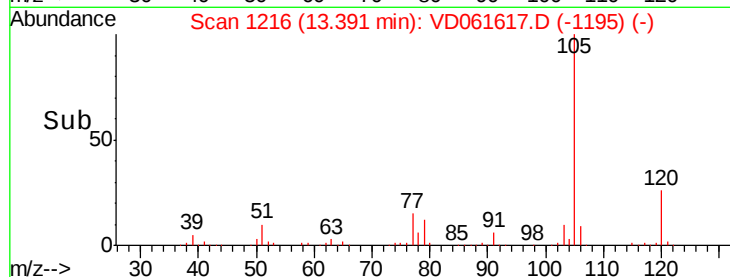
200000

100000

0

Time-->

13.30 13.40 13.50



#74

N-ethyl acetate

Concen: 20.887 ug/l

RT: 13.25 min Scan# 1202

Delta R.T. 0.00 min

Lab File: VD061617.D

Acq: 5 Apr 2019 13:31

Tgt Ion: 43 Resp: 154282

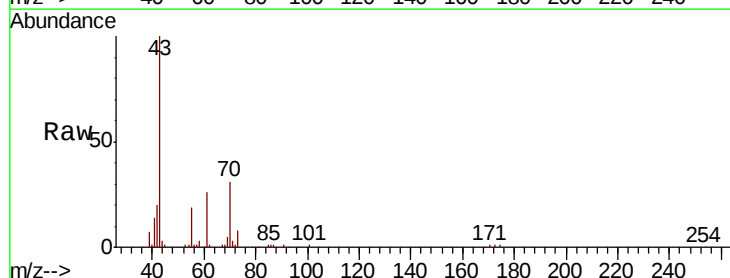
Ion Ratio Lower Upper

43 100

70 30.6 26.6 40.0

55 18.9 15.4 23.2

61 25.9 22.2 33.4



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

13.25

150000

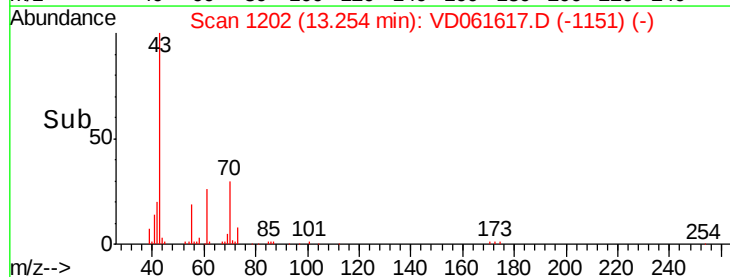
100000

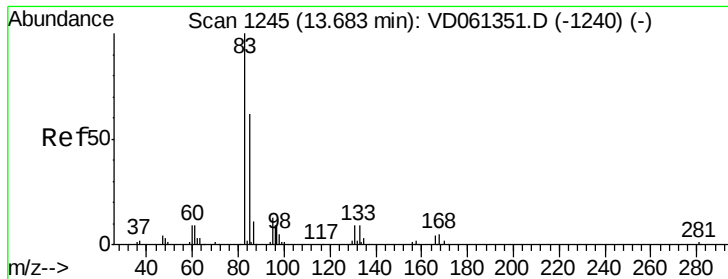
50000

0

Time-->

13.20 13.30





#75

1,1,2,2-Tetrachloroethane

Concen: 20.377 ug/l

RT: 13.69 min Scan# 1246

Delta R.T. 0.00 min

Lab File: VD061617.D

Acq: 5 Apr 2019 13:31

Instrument :

MSVOA_D

ClientSampleId :

VD0405SBS01

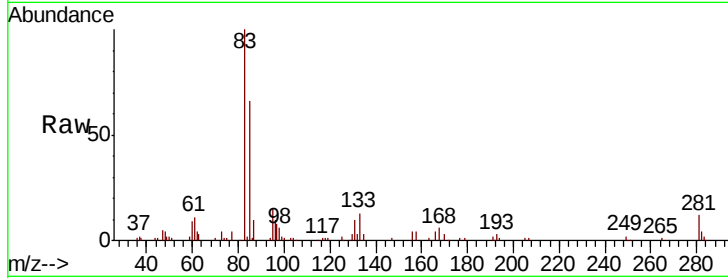
Tgt Ion: 83 Resp: 113979

Ion Ratio Lower Upper

83 100

131 9.8 4.3 13.1

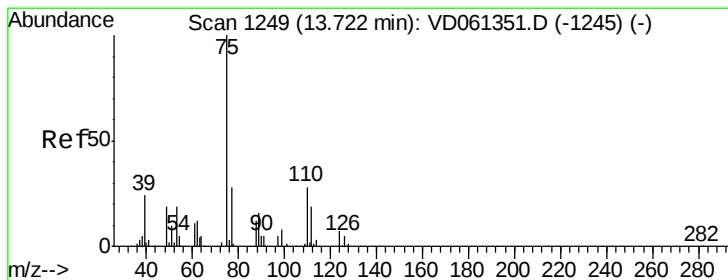
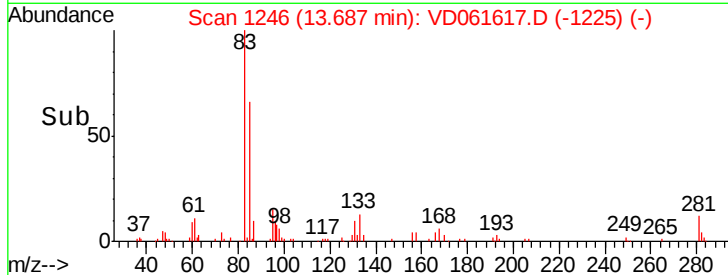
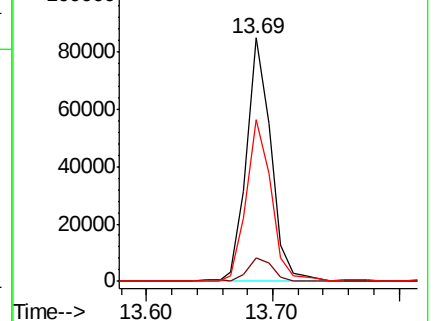
85 66.3 31.2 93.6



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: 20.025 ug/l

RT: 13.73 min Scan# 1250

Delta R.T. 0.00 min

Lab File: VD061617.D

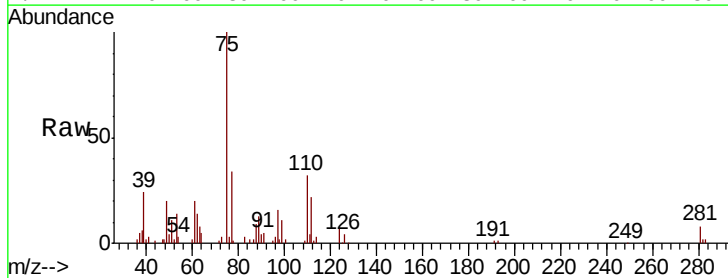
Acq: 5 Apr 2019 13:31

Tgt Ion: 75 Resp: 110207

Ion Ratio Lower Upper

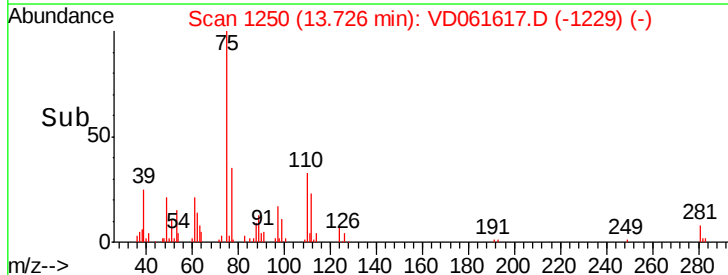
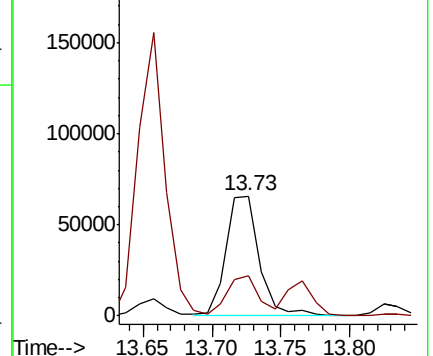
75 100

77 33.7 16.2 48.5



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 21.637 ug/l

RT: 13.66 min Scan# 1243

Delta R.T. 0.00 min

Lab File: VD061617.D

Acq: 5 Apr 2019 13:31

Instrument :

MSVOA_D

ClientSampleId :

VD0405SBS01

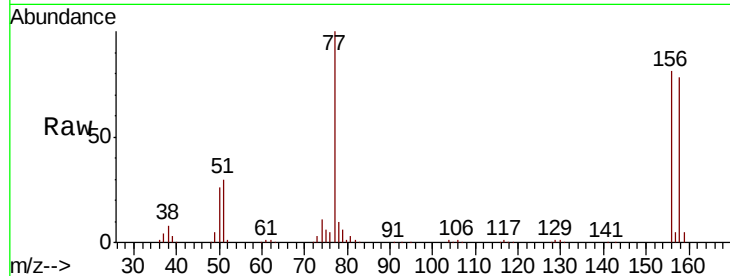
Tgt Ion:156 Resp: 170086

Ion Ratio Lower Upper

156 100

77 123.1 68.5 205.6

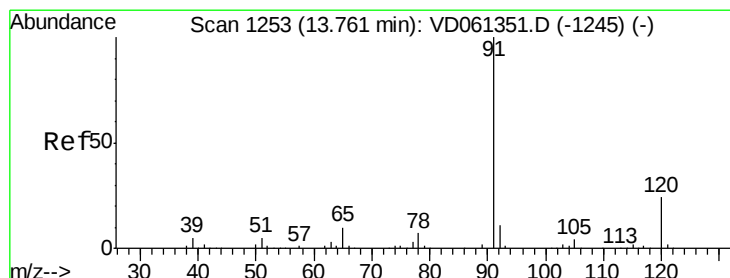
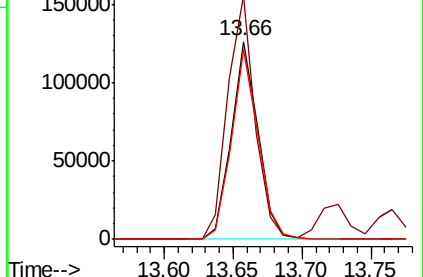
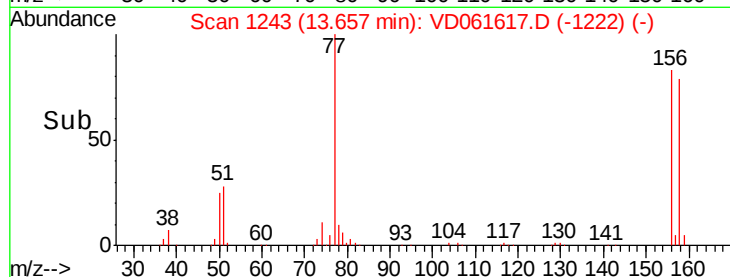
158 95.7 49.1 147.3



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: 22.079 ug/l

RT: 13.77 min Scan# 1254

Delta R.T. 0.00 min

Lab File: VD061617.D

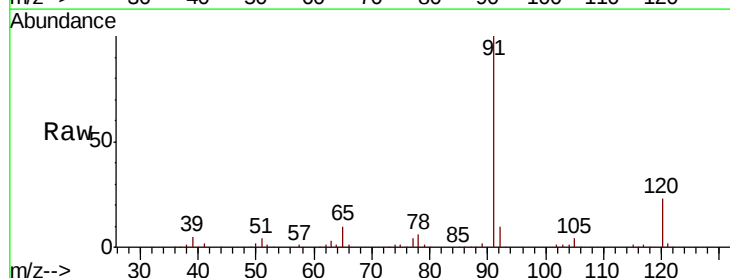
Acq: 5 Apr 2019 13:31

Tgt Ion: 91 Resp: 716455

Ion Ratio Lower Upper

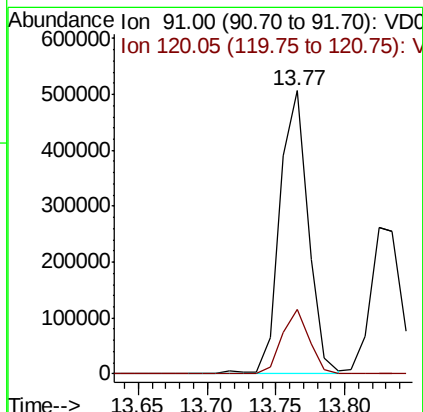
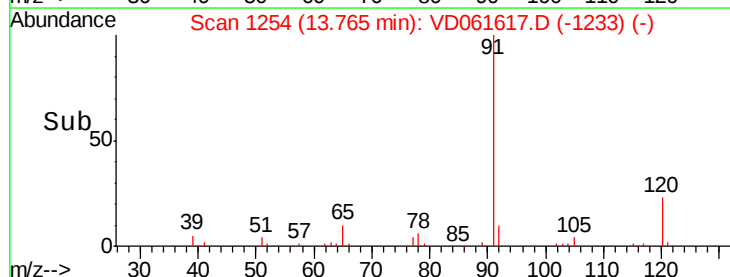
91 100

120 23.0 11.8 35.3



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V

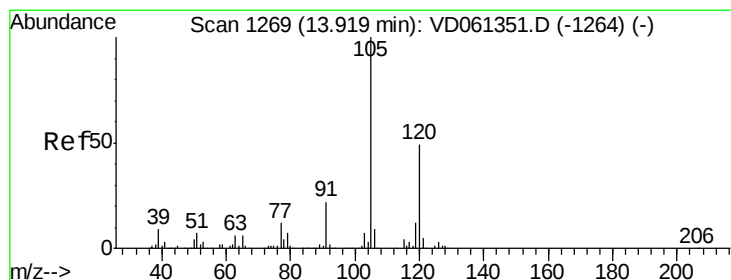
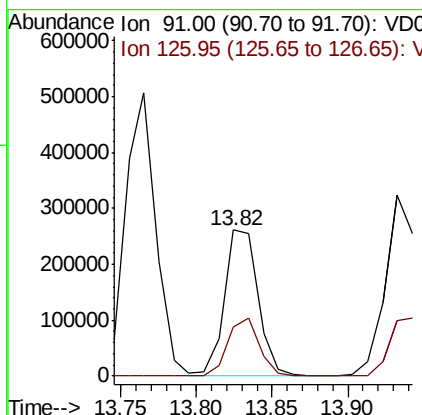
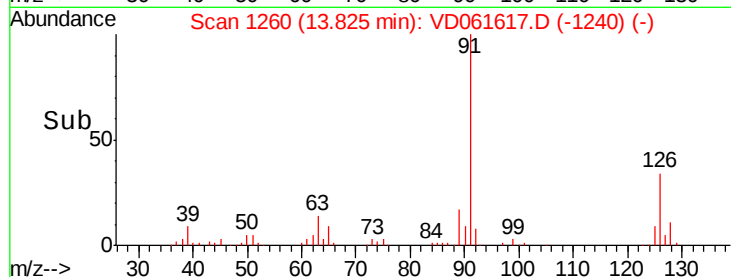
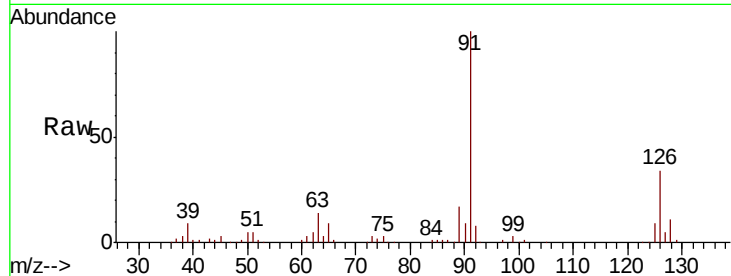




#79
 2-Chlorotoluene
 Concen: 22.858 ug/l
 RT: 13.82 min Scan# 1260
 Delta R.T. -0.01 min
 Lab File: VD061617.D
 Acq: 5 Apr 2019 13:31

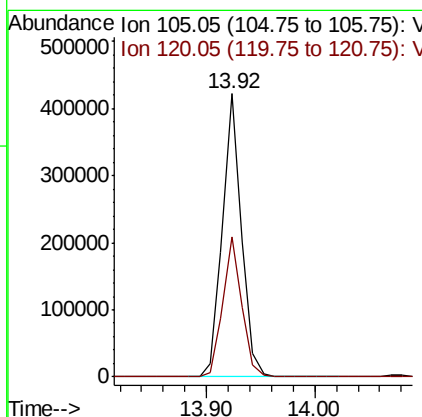
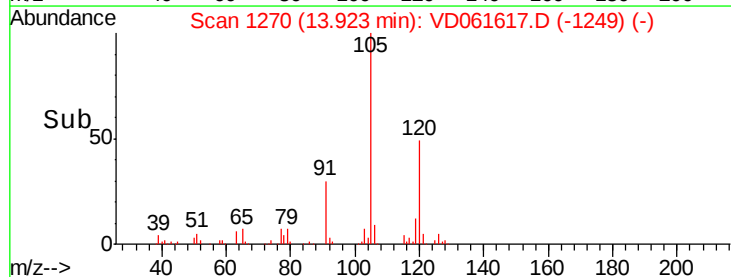
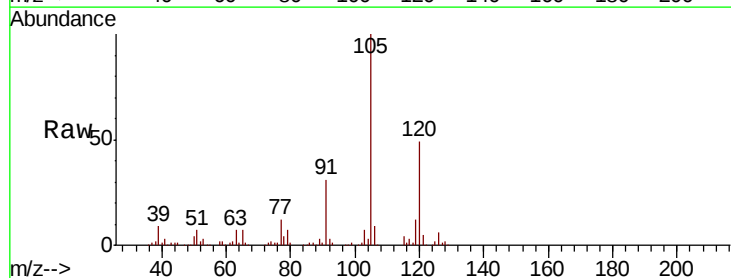
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0405SBS01

Tgt Ion: 91 Resp: 402741
 Ion Ratio Lower Upper
 91 100
 126 34.1 19.4 58.2



#80
 1,3,5-Trimethylbenzene
 Concen: 25.020 ug/l
 RT: 13.92 min Scan# 1270
 Delta R.T. 0.00 min
 Lab File: VD061617.D
 Acq: 5 Apr 2019 13:31

Tgt Ion: 105 Resp: 514757
 Ion Ratio Lower Upper
 105 100
 120 49.4 24.6 73.6





#81

trans-1,4-Dichloro-2-butene

Concen: 20.072 ug/l

RT: 13.46 min Scan# 1223

Delta R.T. 0.00 min

Lab File: VD061617.D

Acq: 5 Apr 2019 13:31

Instrument :

MSVOA_D

ClientSampleId :

VD0405SBS01

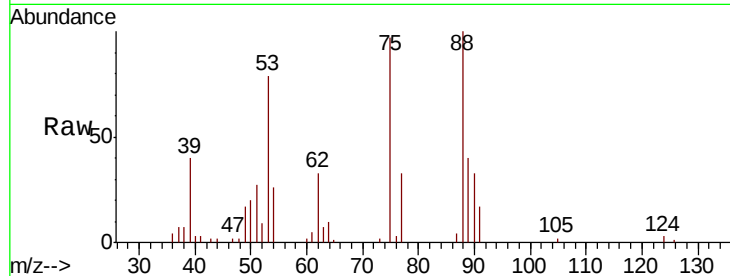
Tgt Ion: 75 Resp: 33681

Ion Ratio Lower Upper

75 100

53 81.2 63.8 95.8

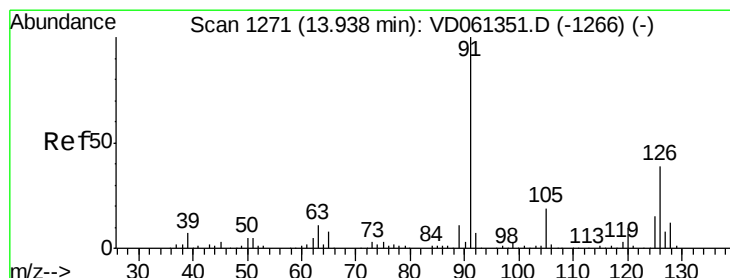
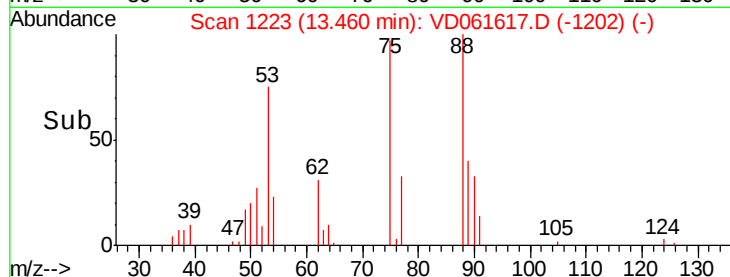
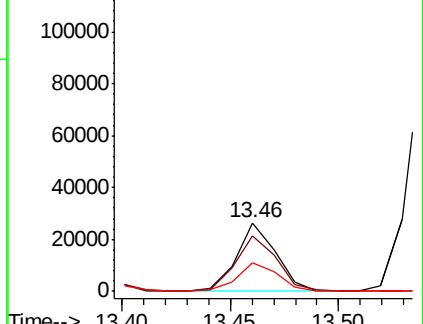
89 40.9 30.5 45.7



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 89.00 (88.70 to 89.70): VDC



#82

4-Chlorotoluene

Concen: 25.266 ug/l

RT: 13.93 min Scan# 1271

Delta R.T. -0.01 min

Lab File: VD061617.D

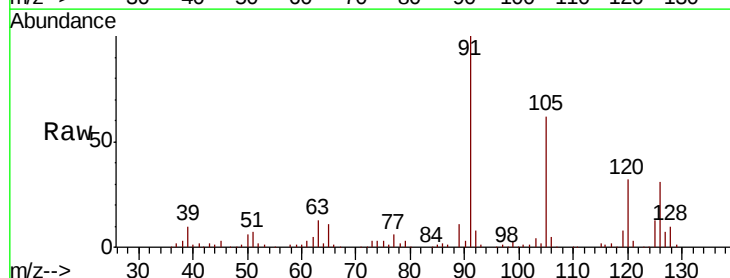
Acq: 5 Apr 2019 13:31

Tgt Ion: 91 Resp: 484041

Ion Ratio Lower Upper

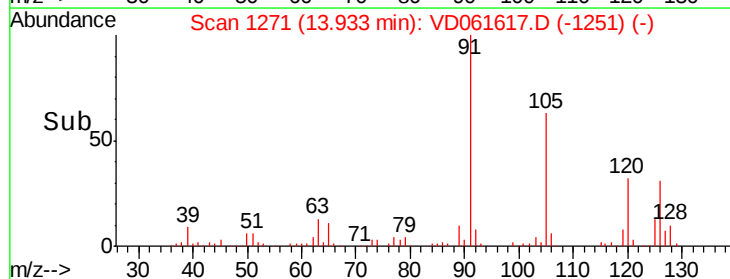
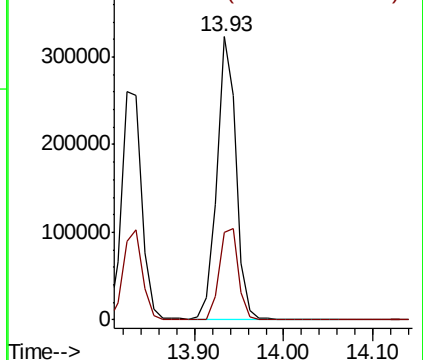
91 100

126 31.1 19.6 58.8



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.95 (125.65 to 126.65): V

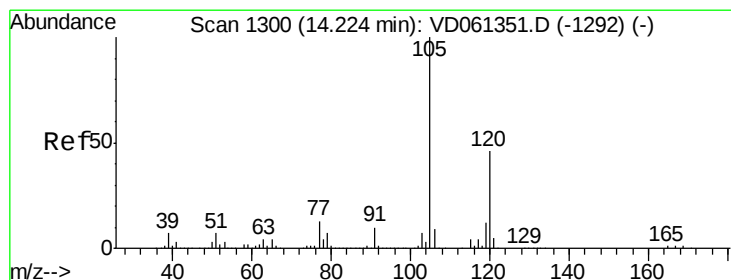
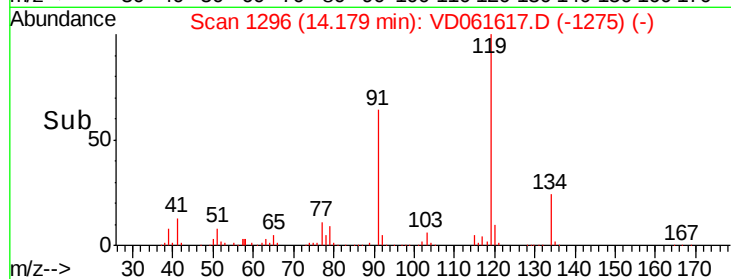
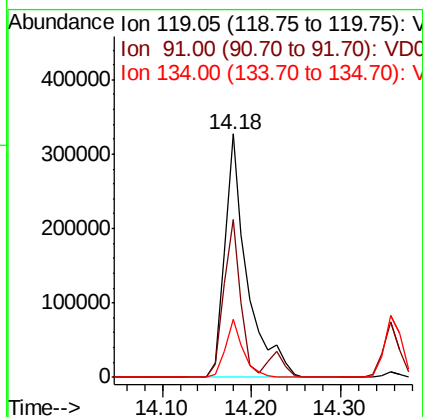
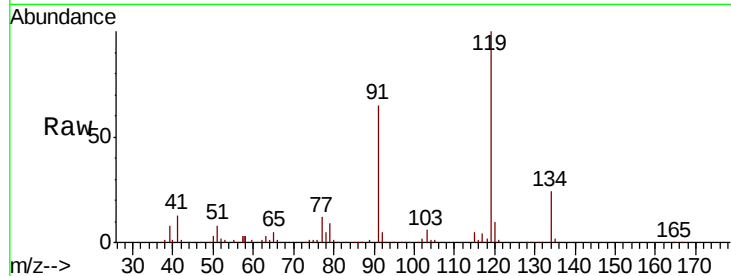




#83
 tert-Butylbenzene
 Concen: 22.375 ug/l
 RT: 14.18 min Scan# 1296
 Delta R.T. 0.00 min
 Lab File: VD061617.D
 Acq: 5 Apr 2019 13:31

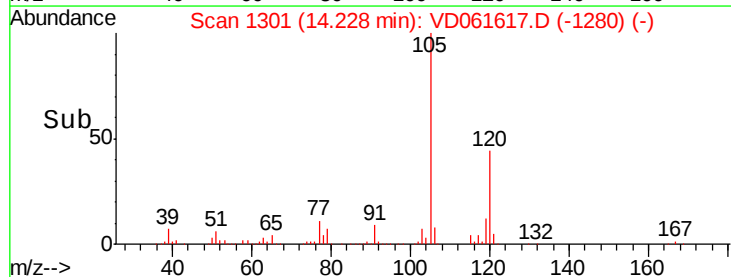
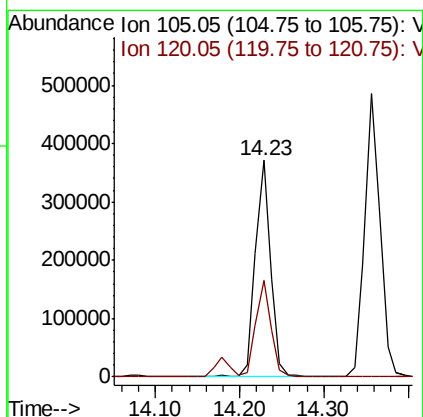
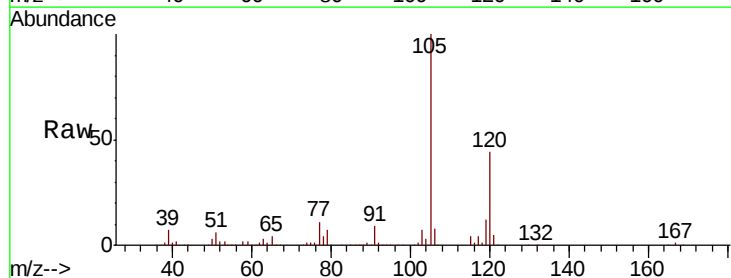
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0405SBS01

Tgt Ion:119 Resp: 575283
 Ion Ratio Lower Upper
 119 100
 91 64.7 34.1 102.3
 134 23.6 11.6 34.8



#84
 1,2,4-Trimethylbenzene
 Concen: 21.487 ug/l
 RT: 14.23 min Scan# 1301
 Delta R.T. 0.00 min
 Lab File: VD061617.D
 Acq: 5 Apr 2019 13:31

Tgt Ion:105 Resp: 478595
 Ion Ratio Lower Upper
 105 100
 120 44.4 22.8 68.4

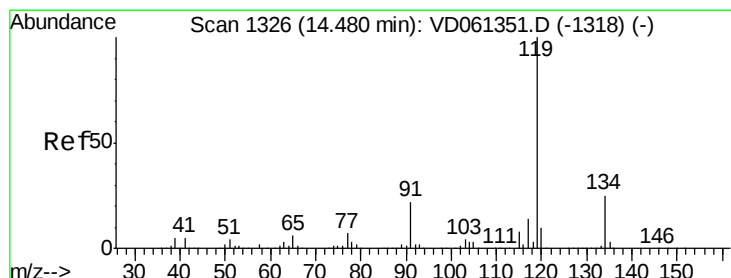
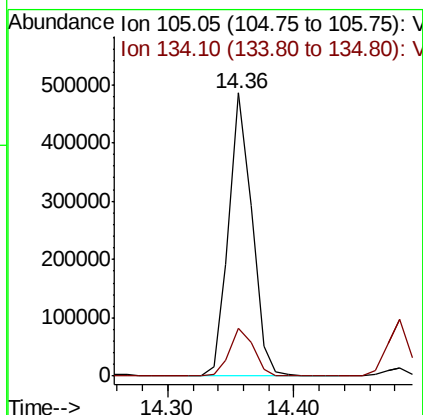
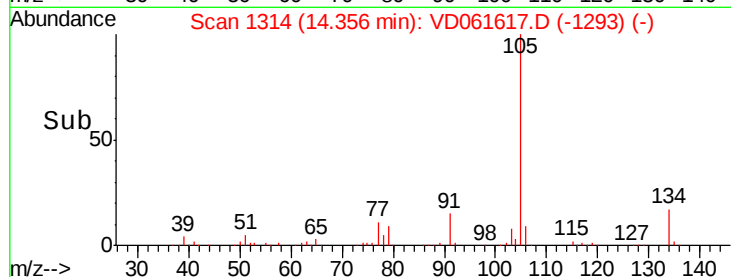
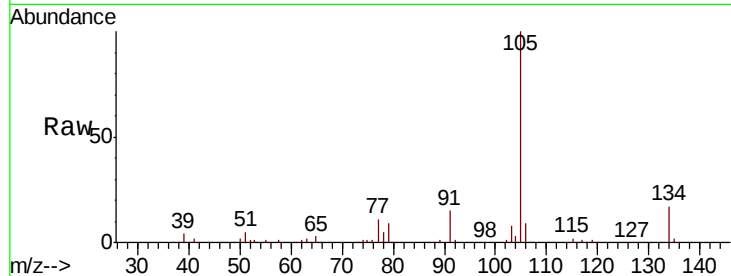




#85
sec-Butylbenzene
Concen: 22.627 ug/l
RT: 14.36 min Scan# 1314
Delta R.T. 0.00 min
Lab File: VD061617.D
Acq: 5 Apr 2019 13:31

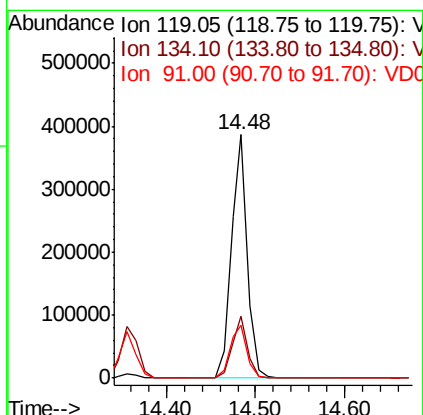
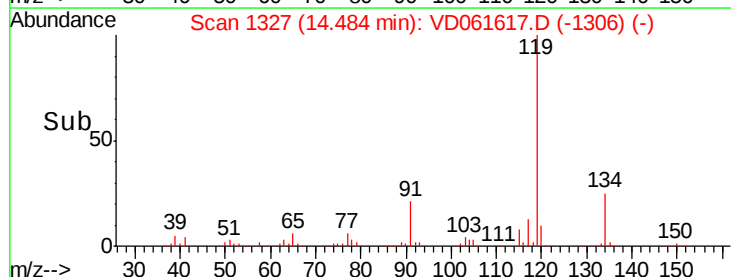
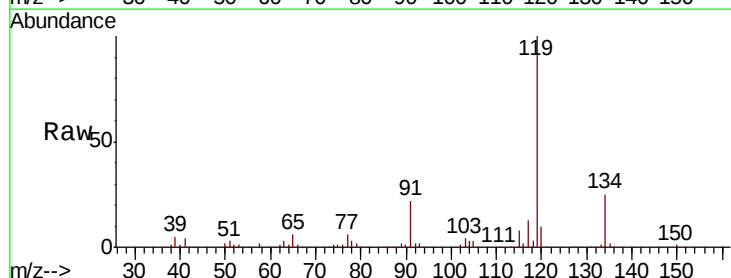
Instrument :
MSVOA_D
ClientSampleId :
VD0405SBS01

Tgt Ion:105 Resp: 618028
Ion Ratio Lower Upper
105 100
134 17.1 8.7 26.1



#86
p-Isopropyltoluene
Concen: 21.082 ug/l
RT: 14.48 min Scan# 1327
Delta R.T. 0.00 min
Lab File: VD061617.D
Acq: 5 Apr 2019 13:31

Tgt Ion:119 Resp: 486922
Ion Ratio Lower Upper
119 100
134 25.3 12.3 36.8
91 21.6 11.1 33.1

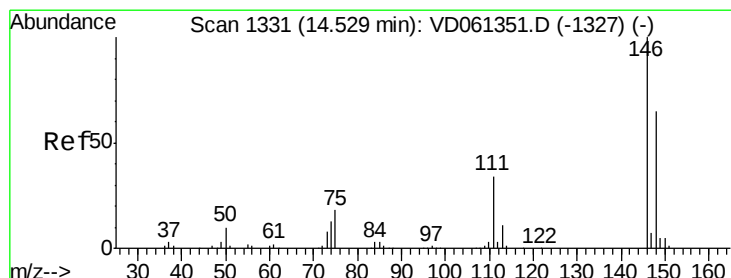
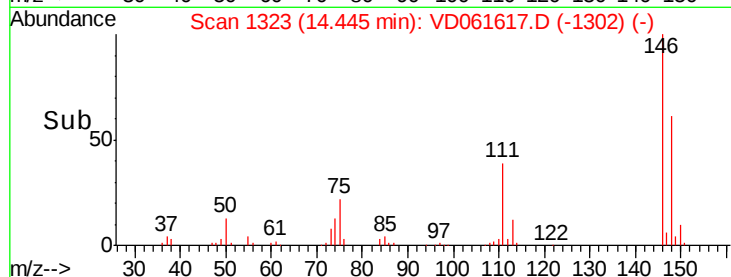
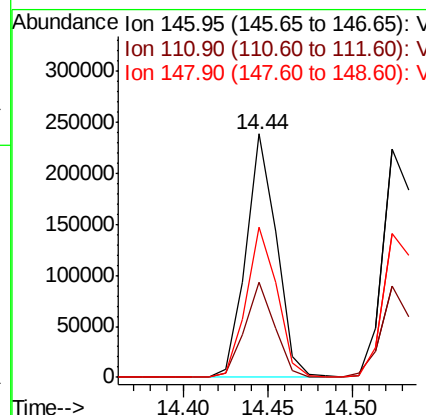
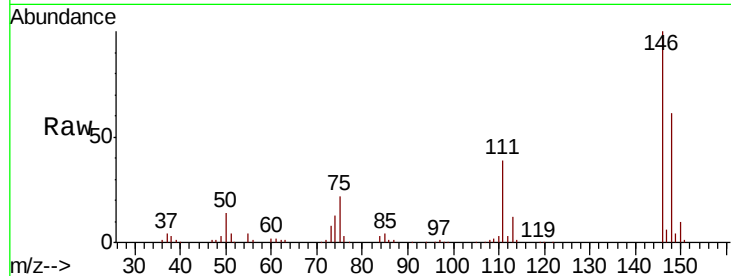




#87
 1,3-Dichlorobenzene
 Concen: 22.570 ug/l
 RT: 14.44 min Scan# 1323
 Delta R.T. 0.00 min
 Lab File: VD061617.D
 Acq: 5 Apr 2019 13:31

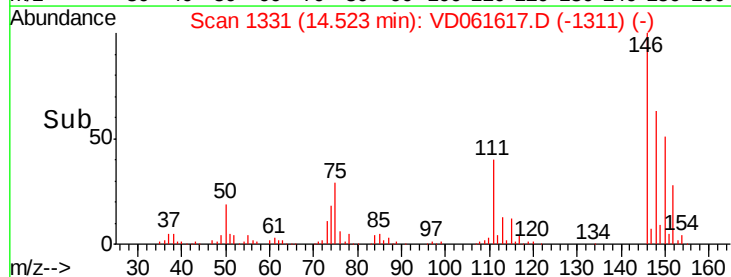
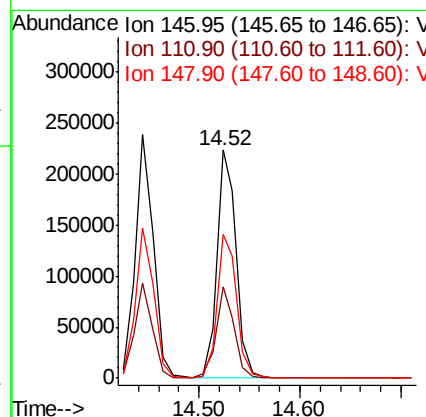
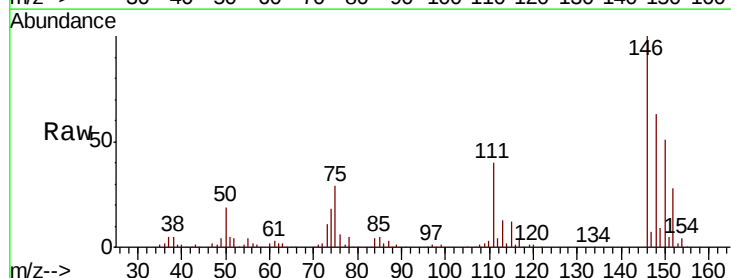
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0405SBS01

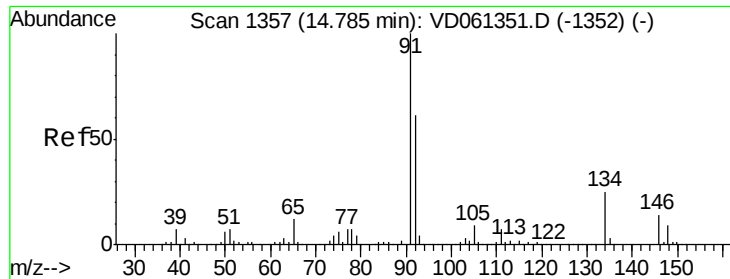
Tgt Ion:146 Resp: 300448
 Ion Ratio Lower Upper
 146 100
 111 39.1 20.6 61.9
 148 61.5 31.1 93.3



#88
 1,4-Dichlorobenzene
 Concen: 22.986 ug/l
 RT: 14.52 min Scan# 1331
 Delta R.T. -0.01 min
 Lab File: VD061617.D
 Acq: 5 Apr 2019 13:31

Tgt Ion:146 Resp: 298391
 Ion Ratio Lower Upper
 146 100
 111 40.4 16.8 50.4
 148 63.4 32.6 98.0





#89

n-Butylbenzene

Concen: 22.700 ug/l

RT: 14.79 min Scan# 1358

Delta R.T. 0.00 min

Lab File: VD061617.D

Acq: 5 Apr 2019 13:31

Instrument :

MSVOA_D

ClientSampleId :

VD0405SBS01

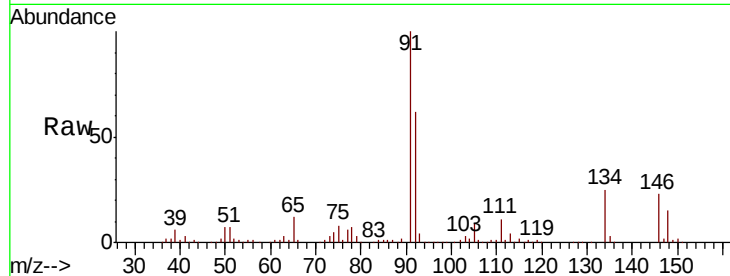
Tgt Ion: 91 Resp: 481227

Ion Ratio Lower Upper

91 100

92 61.6 30.3 91.0

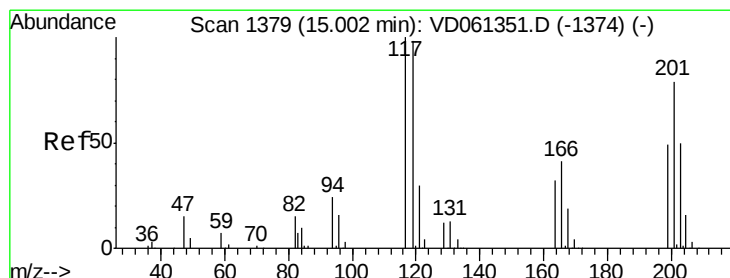
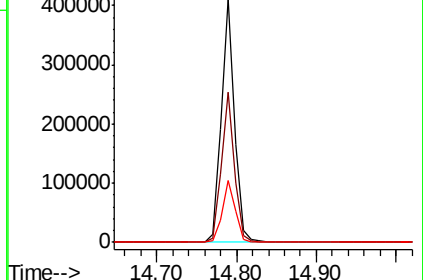
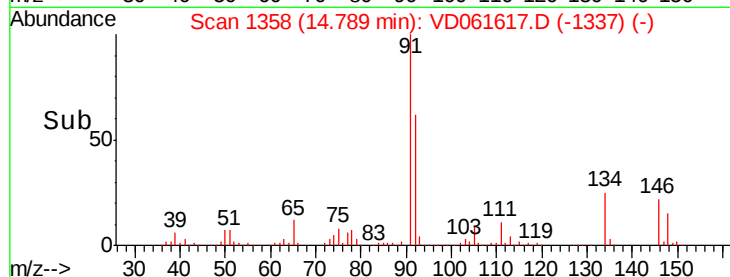
134 25.2 12.4 37.0



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 92.00 (91.70 to 92.70): VDC

Ion 134.10 (133.80 to 134.80): VDC



#90

Hexachloroethane

Concen: 22.621 ug/l

RT: 15.00 min Scan# 1379

Delta R.T. -0.01 min

Lab File: VD061617.D

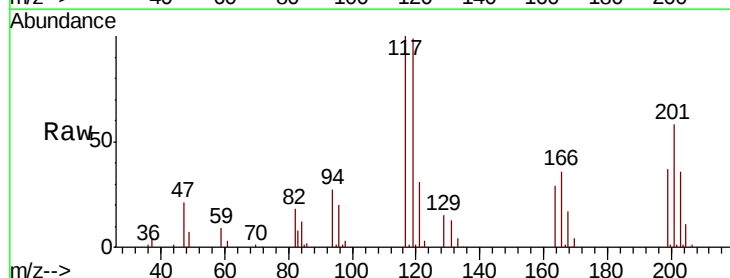
Acq: 5 Apr 2019 13:31

Tgt Ion: 117 Resp: 147602

Ion Ratio Lower Upper

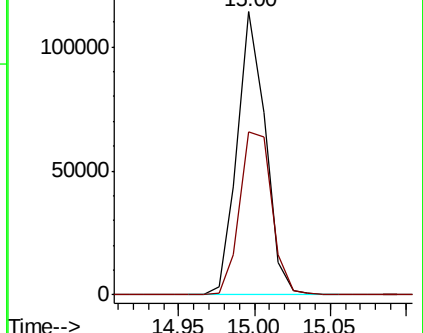
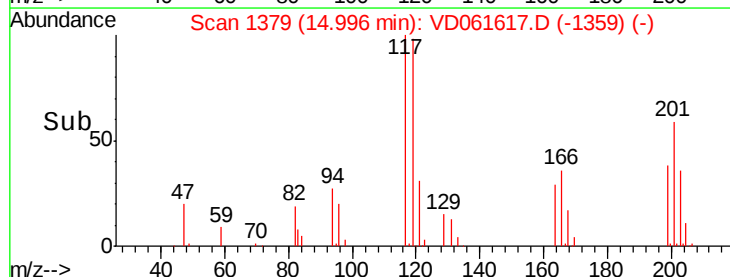
117 100

201 57.7 39.6 119.0



Abundance Ion 116.85 (116.55 to 117.55): VDC

Ion 200.75 (200.45 to 201.45): VDC

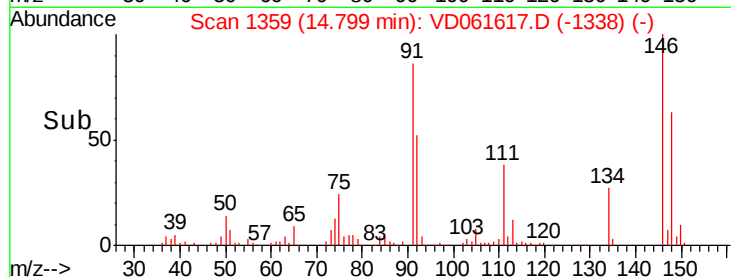
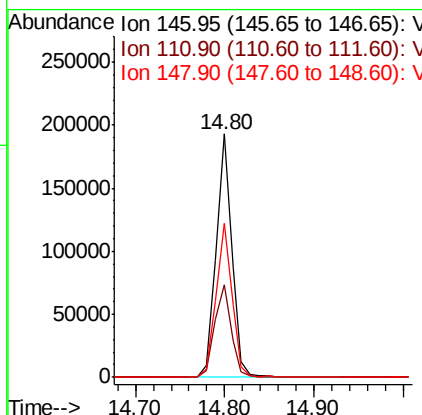
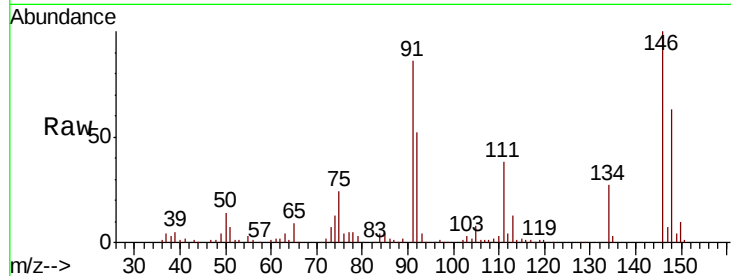




#91
 1,2-Dichlorobenzene
 Concen: 21.768 ug/l
 RT: 14.80 min Scan# 1359
 Delta R.T. 0.00 min
 Lab File: VD061617.D
 Acq: 5 Apr 2019 13:31

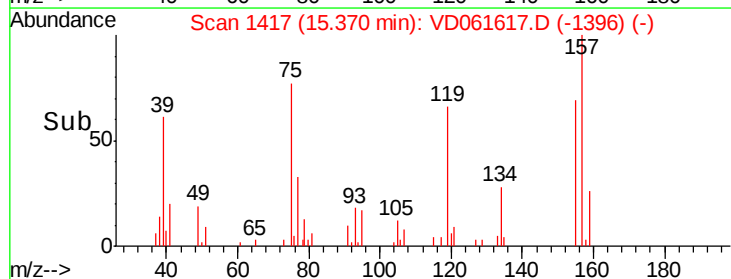
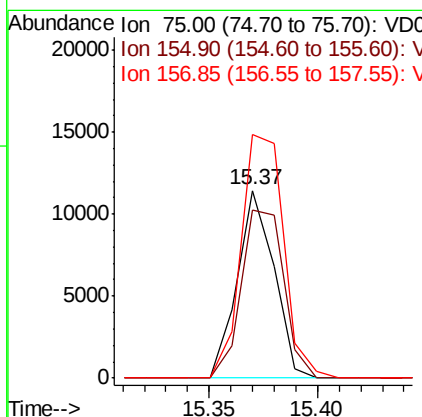
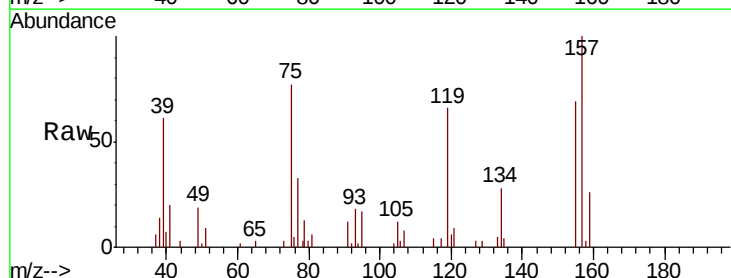
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0405SBS01

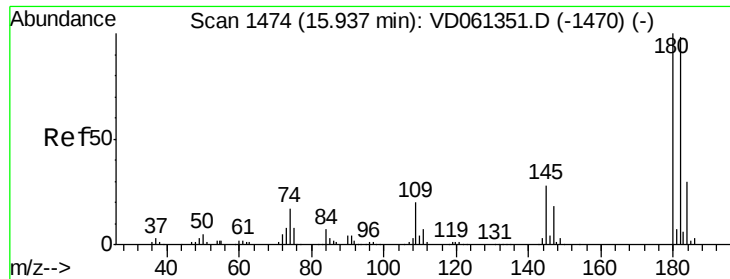
Tgt Ion: 146 Resp: 237677
 Ion Ratio Lower Upper
 146 100
 111 37.9 21.2 63.6
 148 63.1 31.6 95.0



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.727 ug/l
 RT: 15.37 min Scan# 1417
 Delta R.T. 0.00 min
 Lab File: VD061617.D
 Acq: 5 Apr 2019 13:31

Tgt Ion: 75 Resp: 13598
 Ion Ratio Lower Upper
 75 100
 155 89.6 43.6 130.9
 157 129.9 58.5 175.3

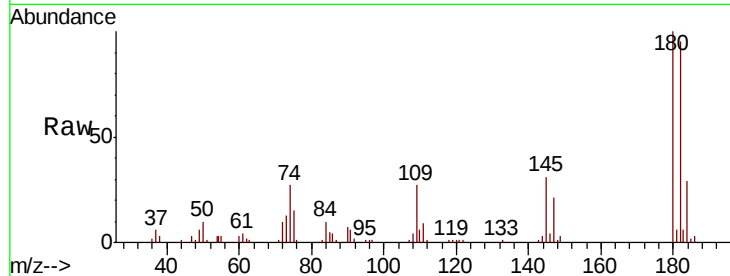




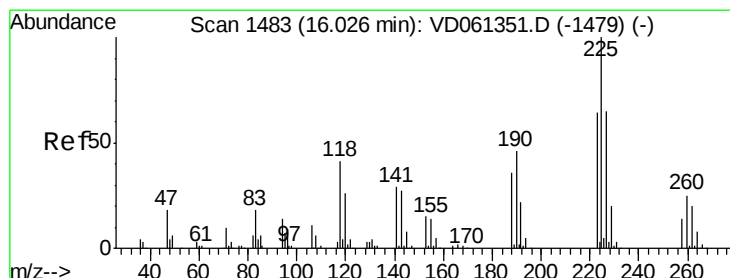
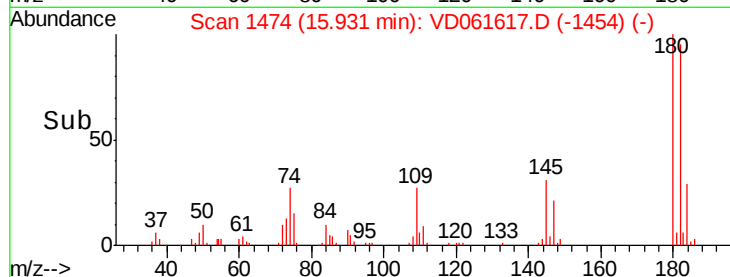
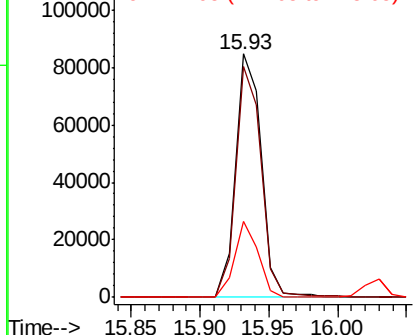
#93
 1,2,4-Trichlorobenzene
 Concen: 22.101 ug/l
 RT: 15.93 min Scan# 1474
 Delta R.T. -0.01 min
 Lab File: VD061617.D
 Acq: 5 Apr 2019 13:31

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0405SBS01

Tgt Ion:180 Resp: 109930
 Ion Ratio Lower Upper
 180 100
 182 94.9 48.9 146.8
 145 31.1 14.1 42.3

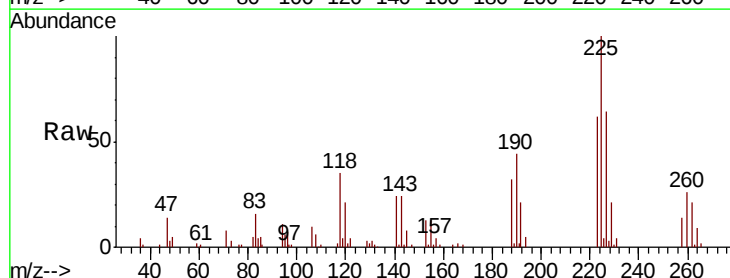


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

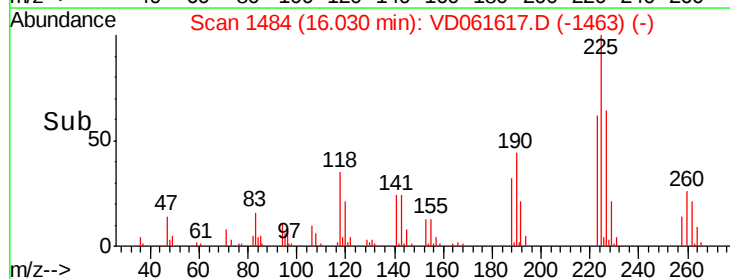
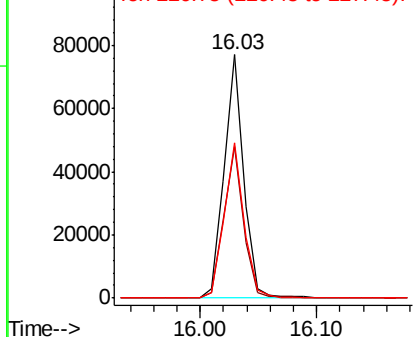


#94
 Hexachlorobutadiene
 Concen: 23.014 ug/l
 RT: 16.03 min Scan# 1484
 Delta R.T. 0.00 min
 Lab File: VD061617.D
 Acq: 5 Apr 2019 13:31

Tgt Ion:225 Resp: 89450
 Ion Ratio Lower Upper
 225 100
 223 62.0 32.0 96.0
 227 63.8 32.4 97.2



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

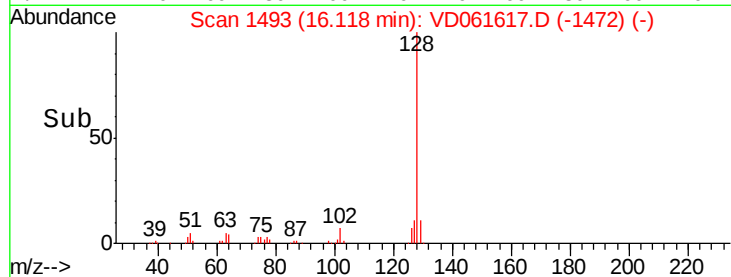
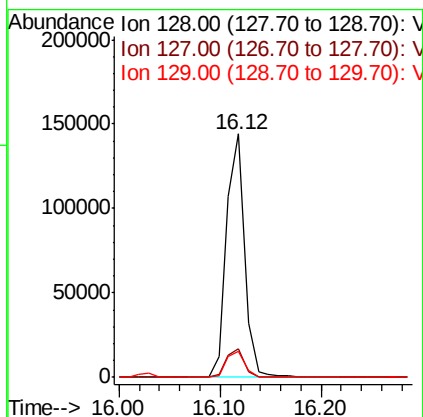
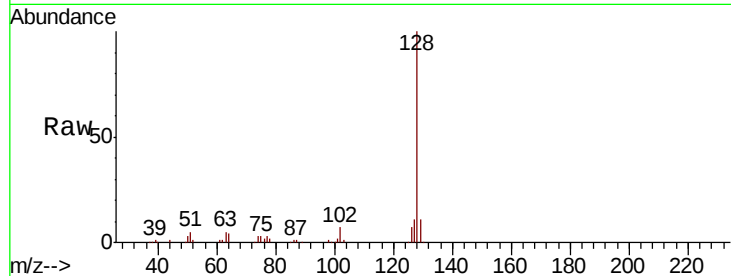




#95
Naphthalene
Concen: 23.672 ug/l
RT: 16.12 min Scan# 1493
Delta R.T. 0.00 min
Lab File: VD061617.D
Acq: 5 Apr 2019 13:31

Instrument :
MSVOA_D
ClientSampleId :
VD0405SBS01

Tgt Ion:128 Resp: 179473
Ion Ratio Lower Upper
128 100
127 11.5 9.9 14.9
129 10.8 8.9 13.3



#96
1,2,3-Trichlorobenzene
Concen: 22.380 ug/l
RT: 16.27 min Scan# 1508
Delta R.T. 0.00 min
Lab File: VD061617.D
Acq: 5 Apr 2019 13:31

Tgt Ion:180 Resp: 48985
Ion Ratio Lower Upper
180 100
182 100.6 46.4 139.1
145 29.4 15.3 45.9

