

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD032719\NOT REVIEWED DATA\VD032719\
 Data File : VD061365.D
 Acq On : 27 Mar 2019 21:10
 Operator : VA/AP
 Sample : VSTDCCC050EC
 Misc : 5.00µl/5ml/MSVOA D/SOIL
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Mar 28 04:04:27 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D032719S.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 28 02:13:53 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.02	168	698284	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.19	114	1216822	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.35	117	998319	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.50	152	412538	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.43	65	291500	48.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.74%	
35) Dibromofluoromethane	6.89	113	441083	47.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.86%	
50) Toluene-d8	10.38	98	1045639	46.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.76%	
62) 4-Bromofluorobenzene	13.54	95	398567	46.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.20%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.58	85	339628	45.543	ug/l	100
3) Chloromethane	1.75	50	259672	42.696	ug/l	99
4) Vinyl Chloride	1.84	62	245491	43.961	ug/l	98
5) Bromomethane	2.15	94	61165	55.236	ug/l	95
6) Chloroethane	2.26	64	90267	55.122	ug/l	96
7) Trichlorofluoromethane	2.52	101	376750	46.396	ug/l	99
8) Diethyl Ether	2.86	74	113356	43.357	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	3.14	101	406945	46.615	ug/l	97
10) Methyl Iodide	3.30	142	614215	46.538	ug/l	99
11) Tert butyl alcohol	4.04	59	87490	235.516	ug/l	98
12) 1,1-Dichloroethene	3.11	96	344199	45.923	ug/l	96
13) Acrolein	3.02	56	65599	229.928	ug/l	98
14) Allyl chloride	3.61	41	500726	47.898	ug/l	100
15) Acrylonitrile	4.18	53	301350	233.724	ug/l	95
16) Acetone	3.20	43	336975	219.756	ug/l	99
17) Carbon Disulfide	3.36	76	1073309	44.075	ug/l	99
18) Methyl Acetate	3.63	43	153175	47.510	ug/l	99
19) Methyl tert-butyl Ether	4.22	73	644284	49.659	ug/l	99
20) Methylene Chloride	3.80	84	408453	47.451	ug/l	97
21) trans-1,2-Dichloroethene	4.20	96	395557	48.882	ug/l	97
22) Diisopropyl ether	5.09	45	1038973	46.965	ug/l	97
23) Vinyl Acetate	5.02	43	2823779	234.988	ug/l	97
24) 1,1-Dichloroethane	4.95	63	643933	49.529	ug/l	99
25) 2-Butanone	6.04	43	429184	222.503	ug/l	99
26) 2,2-Dichloropropane	6.00	77	464729	44.966	ug/l	98
27) cis-1,2-Dichloroethene	6.01	96	413143	46.599	ug/l	100
28) Bromochloromethane	6.41	49	266170	50.718	ug/l #	100
29) Tetrahydrofuran	6.43	42	237736	254.284	ug/l	98
30) Chloroform	6.64	83	667613	49.697	ug/l	100
31) Cyclohexane	6.93	56	459338	44.709	ug/l	97
32) 1,1,1-Trichloroethane	6.84	97	575074	48.524	ug/l	98
36) 1,1-Dichloropropene	7.12	75	485025	45.671	ug/l	98
37) Ethyl Acetate	6.16	43	216448	47.655	ug/l	98
38) Carbon Tetrachloride	7.08	117	596876	49.361	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.83	83	495689	44.815	ug/l	98
40) Benzene	7.43	78	1234650	46.322	ug/l	99
41) Methacrylonitrile	6.42	41	255252	48.064	ug/l	98
42) 1,2-Dichloroethane	7.55	62	404243	50.703	ug/l	100
43) Isopropyl Acetate	9.22	43	295865	44.771	ug/l #	99
44) Trichloroethene	8.52	130	492583	49.660	ug/l	93
45) 1,2-Dichloropropane	8.91	63	328599	48.620	ug/l	99
46) Dibromomethane	9.04	93	220116	48.388	ug/l	99
47) Bromodichloromethane	9.34	83	502065	49.174	ug/l	95
48) Methyl methacrylate	9.09	41	163046	44.705	ug/l	96
49) 1,4-Dioxane	9.05	88	39032	970.278	ug/l	96
51) 4-Methyl-2-Pentanone	10.27	43	937286	233.124	ug/l	98
52) Toluene	10.49	92	779781	47.955	ug/l	100
53) t-1,3-Dichloropropene	10.89	75	458861	49.466	ug/l	99
54) cis-1,3-Dichloropropene	10.01	75	531781	47.079	ug/l	95
55) 1,1,2-Trichloroethane	11.17	97	262706	46.197	ug/l	98
56) Ethyl methacrylate	11.02	69	288386	47.206	ug/l	99
57) 1,3-Dichloropropane	11.38	76	383278	45.855	ug/l	95
58) 2-Chloroethyl Vinyl ether	9.83	63	700604	235.491	ug/l	100
59) 2-Hexanone	11.51	43	660635	226.788	ug/l	98
60) Dibromochloromethane	11.66	129	425285	48.511	ug/l	100
61) 1,2-Dibromoethane	11.79	107	314990	47.835	ug/l	99
64) Tetrachloroethene	11.24	164	337613	43.090	ug/l	98
65) Chlorobenzene	12.38	112	935844	45.870	ug/l	99
66) 1,1,1,2-Tetrachloroethane	12.50	131	379384	48.026	ug/l	98
67) Ethyl Benzene	12.51	91	1405154	45.122	ug/l	98
68) m/p-Xylenes	12.65	106	1080896	91.628	ug/l	97
69) o-Xylene	13.04	106	558146	48.757	ug/l	94
70) Styrene	13.06	104	926198	46.413	ug/l	99
71) Bromoform	13.21	173	239305	47.788	ug/l	100
73) Isopropylbenzene	13.39	105	1338235	46.609	ug/l	99
74) N-amyl acetate	13.25	43	394586	49.333	ug/l	98
75) 1,1,2,2-Tetrachloroethane	13.69	83	304399	50.257	ug/l	96
76) 1,2,3-Trichloropropane	13.72	75	302490	50.760	ug/l	95
77) Bromobenzene	13.66	156	406060	47.705	ug/l	86
78) n-propylbenzene	13.76	91	1644473	46.802	ug/l	95
79) 2-Chlorotoluene	13.82	91	930057	48.749	ug/l	98
80) 1,3,5-Trimethylbenzene	14.23	105	1184700	49.121	ug/l	95
81) trans-1,4-Dichloro-2-buten	13.46	75	91936	50.599	ug/l	94
82) 4-Chlorotoluene	13.93	91	1056114	50.910	ug/l	96
83) tert-Butylbenzene	14.18	119	1288394	46.277	ug/l	94
84) 1,2,4-Trimethylbenzene	14.23	105	1184700	49.121	ug/l	95
85) sec-Butylbenzene	14.36	105	1429179	48.322	ug/l	97
86) p-Isopropyltoluene	14.47	119	1191256	47.632	ug/l	98
87) 1,3-Dichlorobenzene	14.44	146	718148	49.822	ug/l	94
88) 1,4-Dichlorobenzene	14.52	146	675771	48.075	ug/l	98
89) n-Butylbenzene	14.79	91	1078550	46.986	ug/l	97
90) Hexachloroethane	15.00	117	378920	53.630	ug/l	84
91) 1,2-Dichlorobenzene	14.80	146	546983	46.264	ug/l	95
92) 1,2-Dibromo-3-Chloropropan	15.37	75	38417	54.080	ug/l	67

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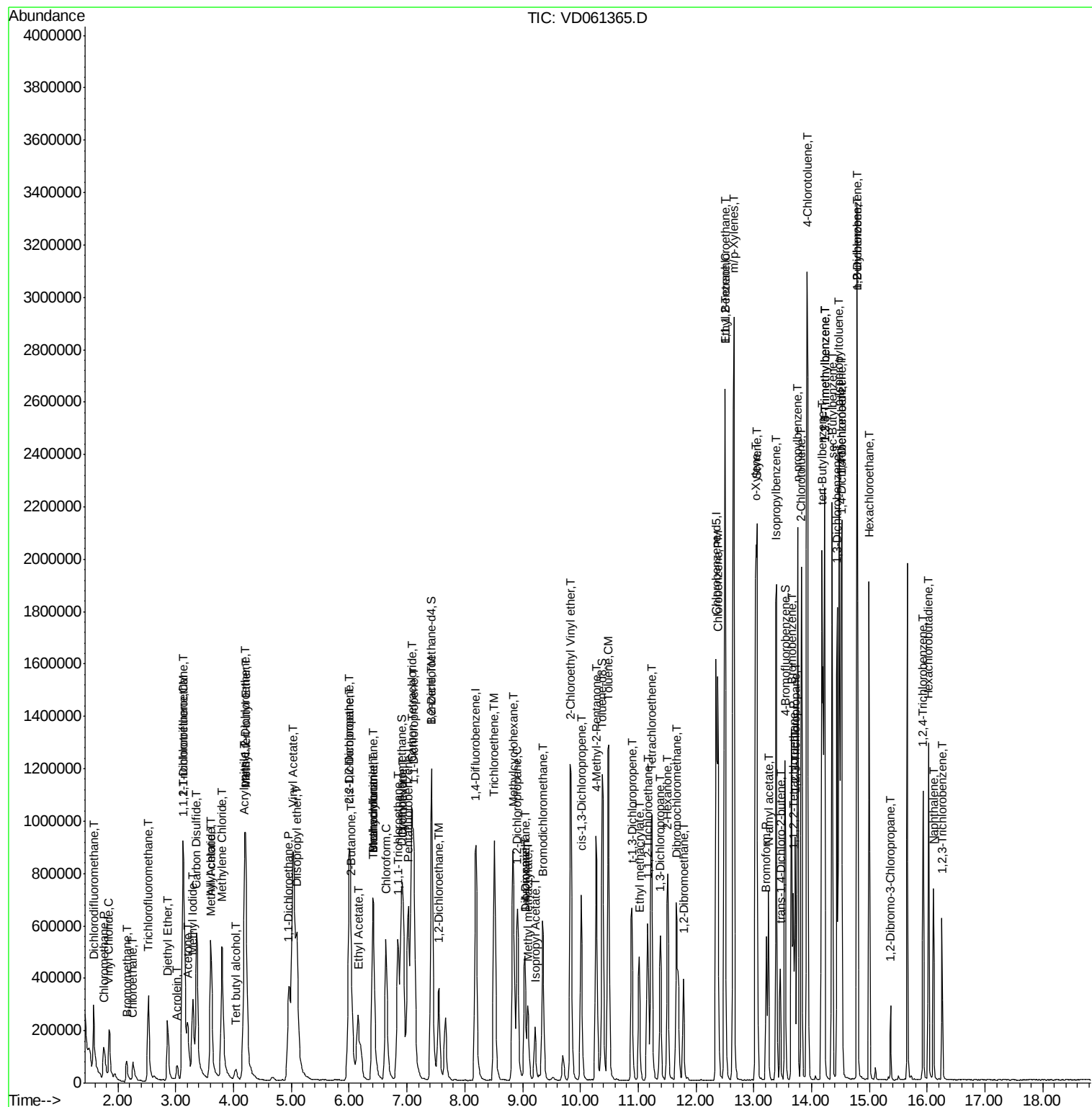
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.93	180	277415	51.508	ug/l	99
94) Hexachlorobutadiene	16.03	225	230689	54.813	ug/l	99
95) Naphthalene	16.11	128	454633	55.379	ug/l	100
96) 1,2,3-Trichlorobenzene	16.26	180	151000	63.712	ug/l	98

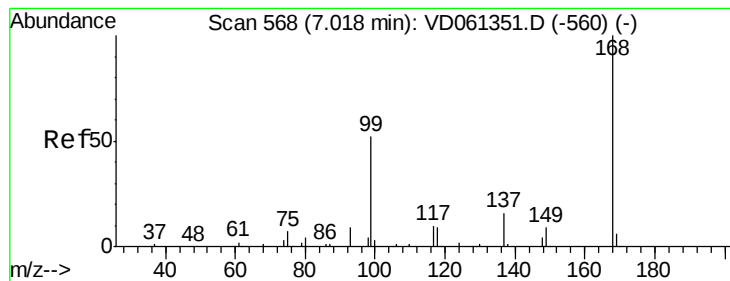
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.02 min Scan# 569

Delta R.T. 0.00 min

Lab File: VD061365.D

Acq: 27 Mar 2019 21:10

Instrument :

MSVOA_D

ClientSampleId :

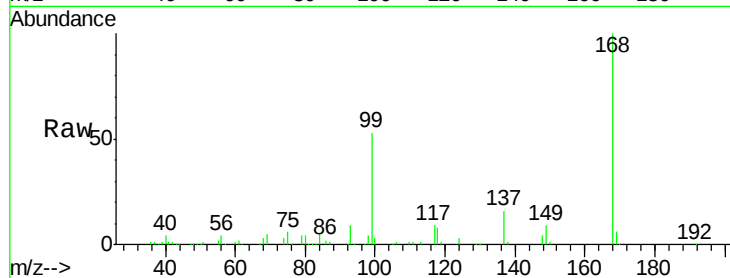
VSTDCCC050EC

Tot Ion:168 Resp: 698284

Ion Ratio Lower Upper

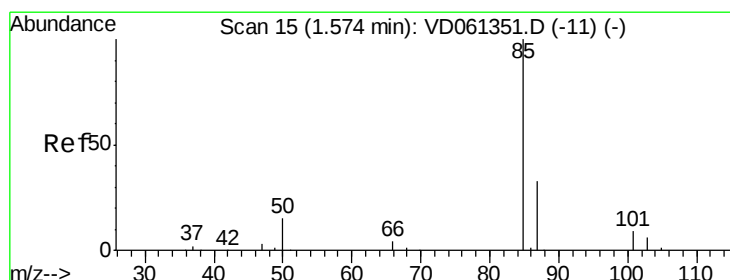
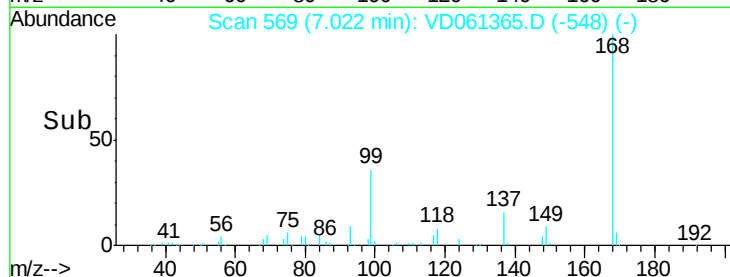
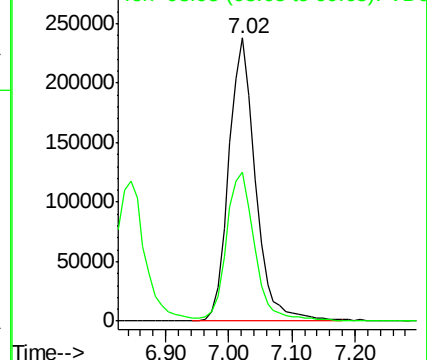
168 100

99 52.7 43.1 64.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#2

Dichlorodifluoromethane

Concen: 45.543 ug/l

RT: 1.58 min Scan# 16

Delta R.T. 0.00 min

Lab File: VD061365.D

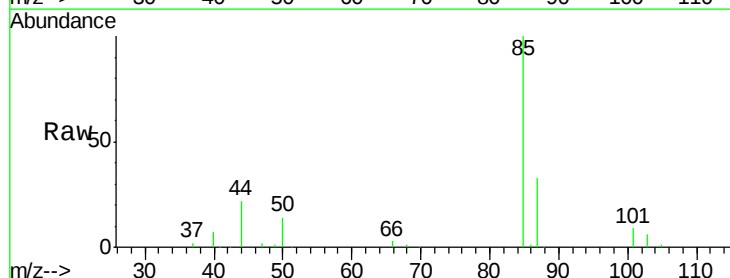
Acq: 27 Mar 2019 21:10

Tgt Ion: 85 Resp: 339628

Ion Ratio Lower Upper

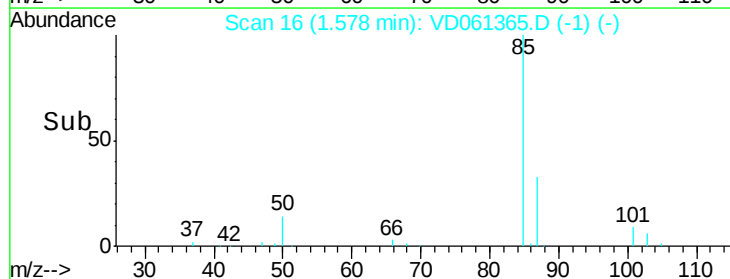
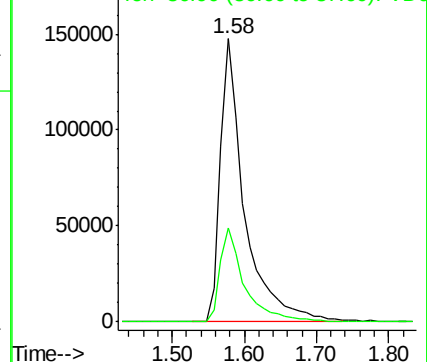
85 100

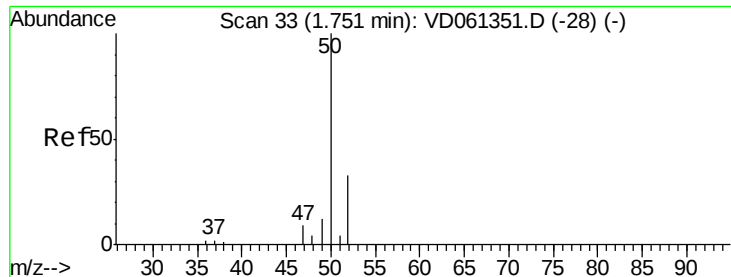
87 33.2 16.6 49.7



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 42.696 ug/l

RT: 1.75 min Scan# 33

Delta R.T. -0.01 min

Lab File: VD061365.D

Acq: 27 Mar 2019 21:10

Instrument :

MSVOA_D

ClientSampleId :

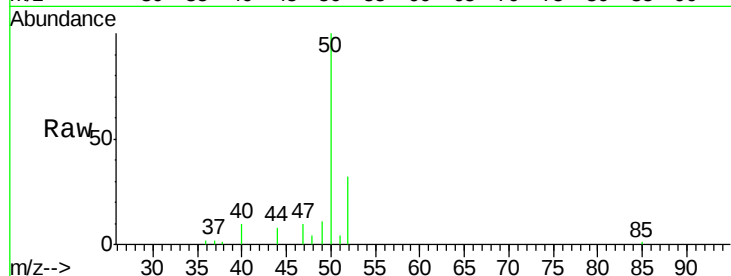
VSTDCCC050EC

Tot Ion: 50 Resp: 259672

Ion Ratio Lower Upper

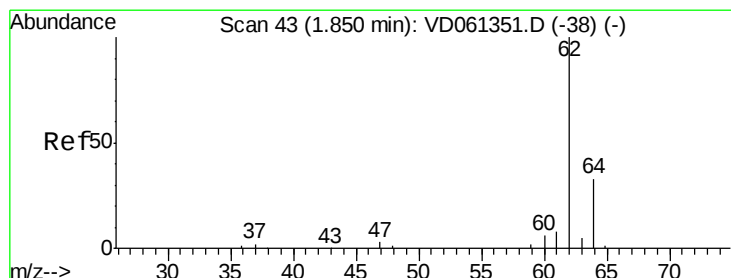
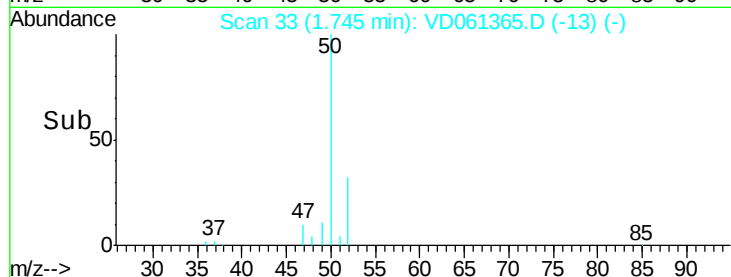
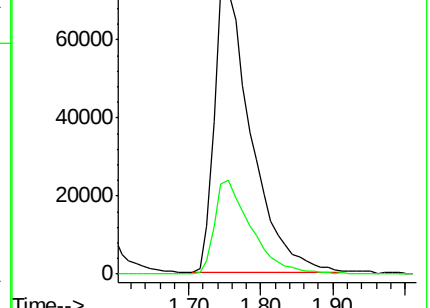
50 100

52 31.8 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: 43.961 ug/l

RT: 1.84 min Scan# 43

Delta R.T. -0.01 min

Lab File: VD061365.D

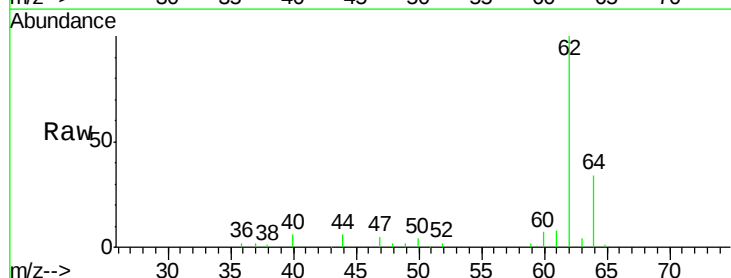
Acq: 27 Mar 2019 21:10

Tgt Ion: 62 Resp: 245491

Ion Ratio Lower Upper

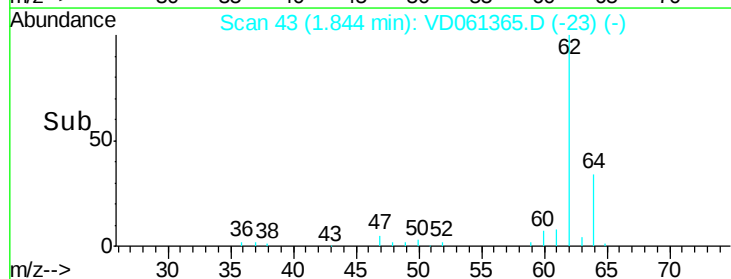
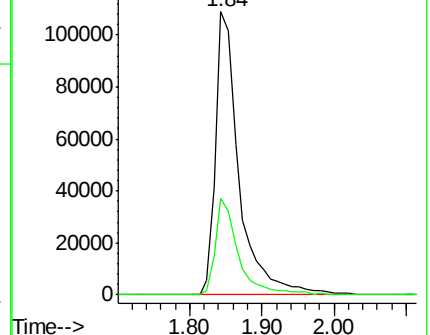
62 100

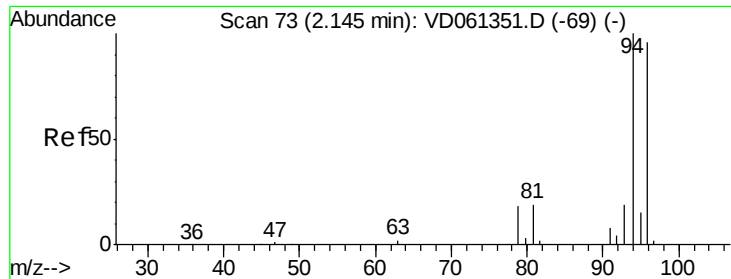
64 34.2 26.6 39.8



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC

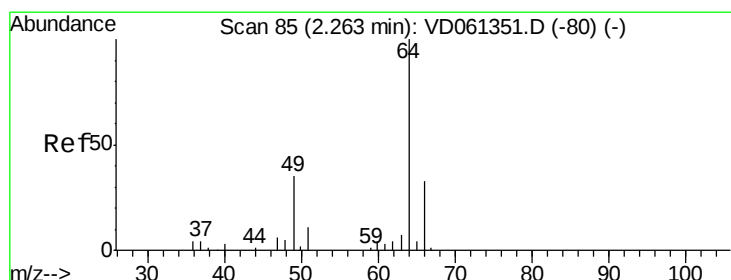
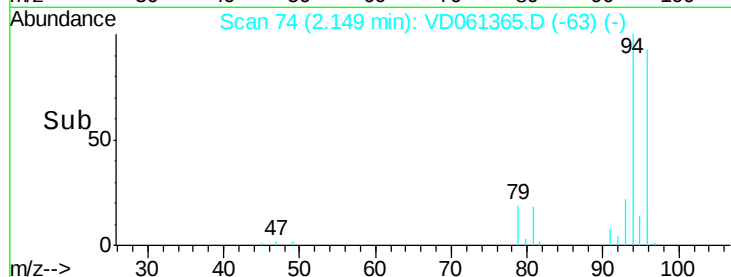
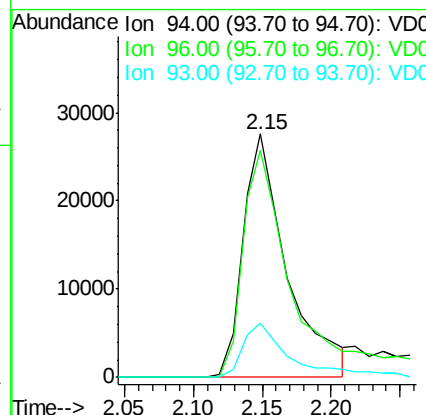
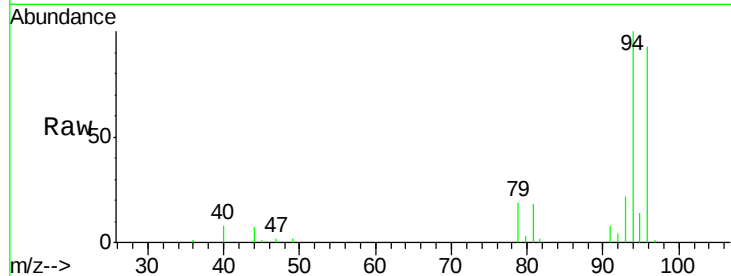




#5
Bromomethane
Concen: 55.236 ug/l
RT: 2.15 min Scan# 74
Delta R.T. 0.00 min
Lab File: VD061365.D
Acq: 27 Mar 2019 21:10

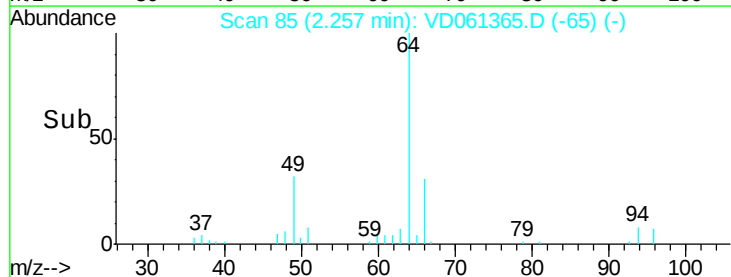
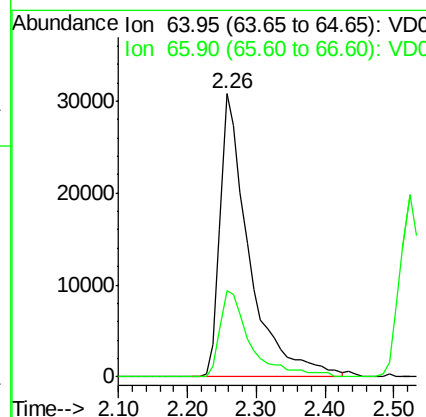
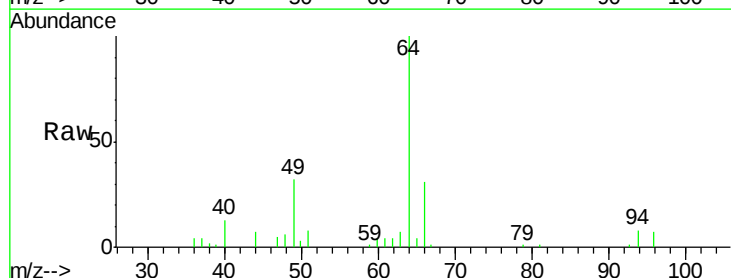
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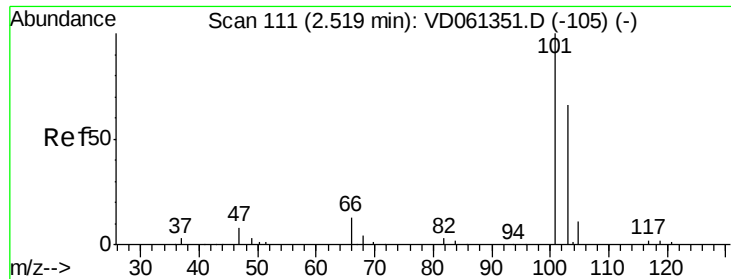
Tot Ion: 94 Resp: 61165
Ion Ratio Lower Upper
94 100
96 93.0 78.3 117.5
93 22.5 15.6 23.4



#6
Chloroethane
Concen: 55.122 ug/l
RT: 2.26 min Scan# 85
Delta R.T. -0.01 min
Lab File: VD061365.D
Acq: 27 Mar 2019 21:10

Tgt Ion: 64 Resp: 90267
Ion Ratio Lower Upper
64 100
66 30.6 26.2 39.2



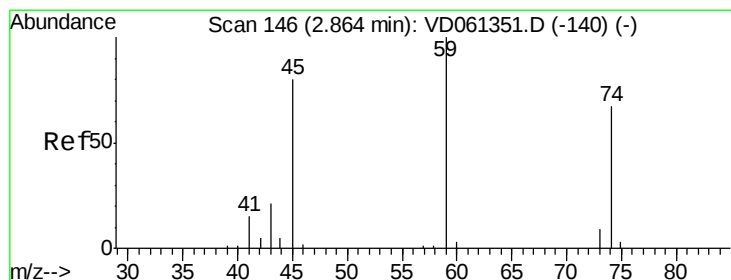
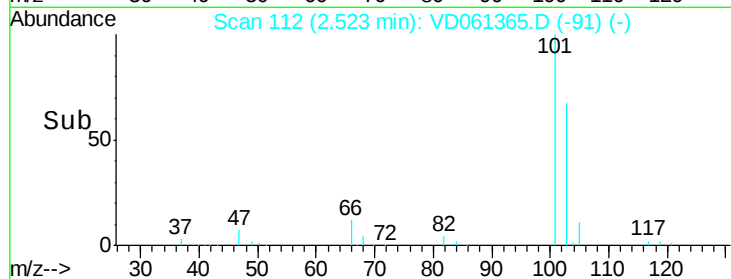
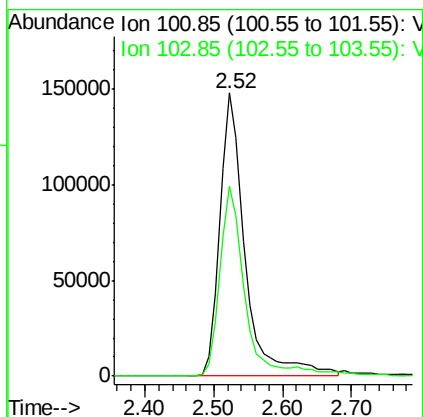
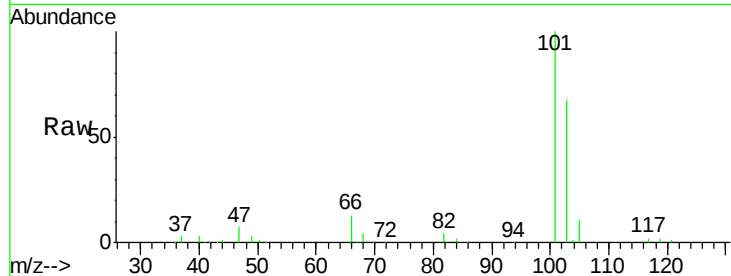


#7

Trichlorofluoromethane
 Concen: 46.396 ug/l
 RT: 2.52 min Scan# 112
 Delta R.T. 0.00 min
 Lab File: VD061365.D
 Acq: 27 Mar 2019 21:10

Instrument :
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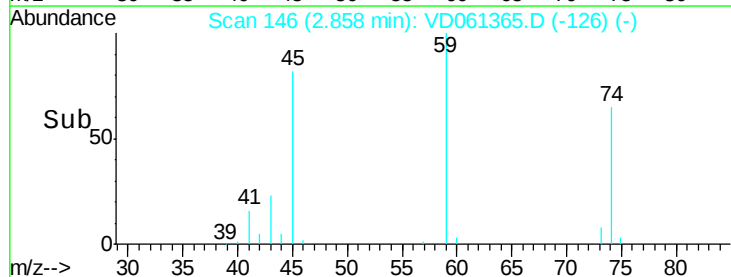
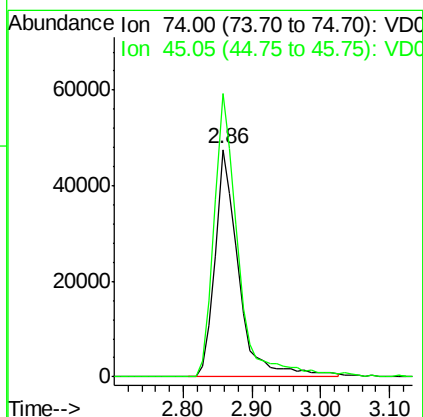
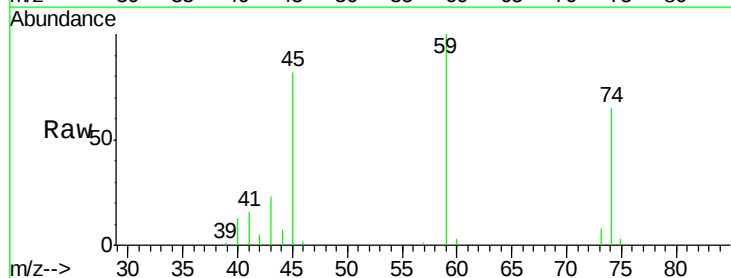
Tot Ion:101 Resp: 376750
 Ion Ratio Lower Upper
 101 100
 103 66.9 53.1 79.7

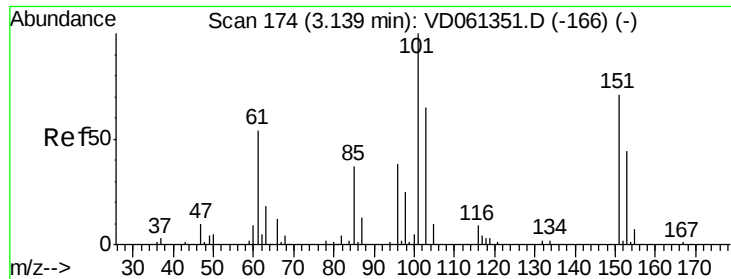


#8

Diethyl Ether
 Concen: 43.357 ug/l
 RT: 2.86 min Scan# 146
 Delta R.T. -0.01 min
 Lab File: VD061365.D
 Acq: 27 Mar 2019 21:10

Tgt Ion: 74 Resp: 113356
 Ion Ratio Lower Upper
 74 100
 45 124.6 59.7 179.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 46.615 ug/l

RT: 3.14 min Scan# 175

Delta R.T. 0.00 min

Lab File: VD061365.D

Acq: 27 Mar 2019 21:10

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

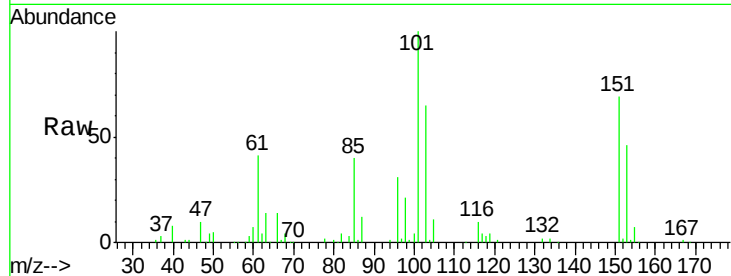
Tot Ion:101 Resp: 406945

Ion Ratio Lower Upper

101 100

85 39.6 29.4 44.0

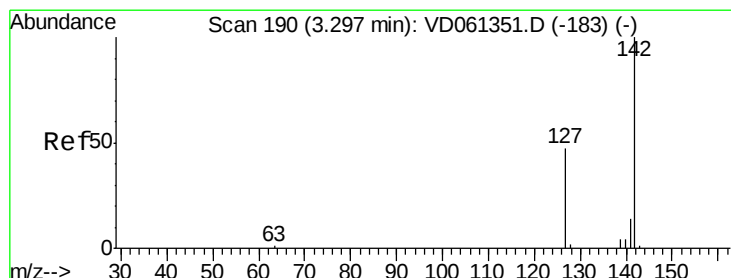
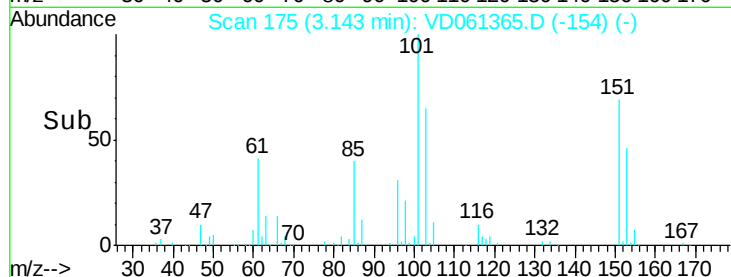
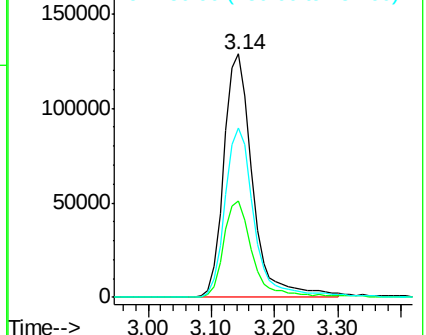
151 69.4 57.0 85.4



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: 46.538 ug/l

RT: 3.30 min Scan# 191

Delta R.T. 0.00 min

Lab File: VD061365.D

Acq: 27 Mar 2019 21:10

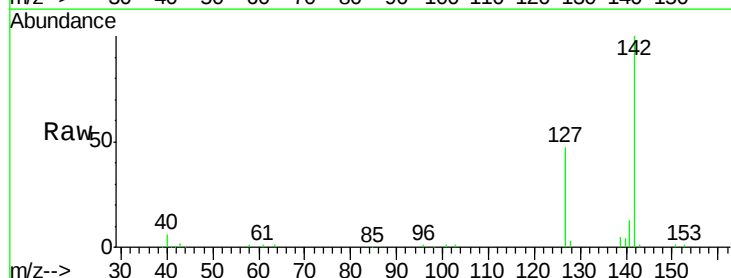
Tgt Ion:142 Resp: 614215

Ion Ratio Lower Upper

142 100

127 46.9 37.7 56.5

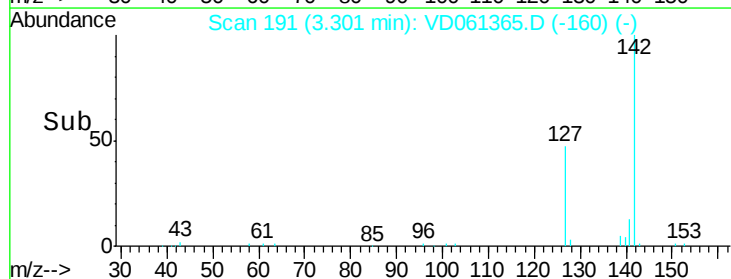
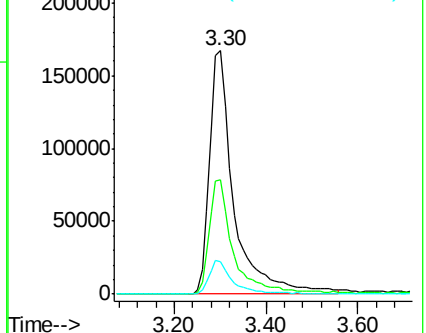
141 13.4 11.5 17.3

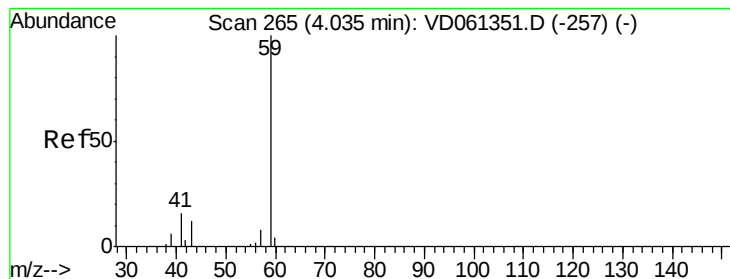


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V





#11

Tert butyl alcohol

Concen: 235.516 ug/l

RT: 4.04 min Scan# 266

Delta R.T. 0.00 min

Lab File: VD061365.D

Acq: 27 Mar 2019 21:10

Instrument :

MSVOA_D

ClientSampleId :

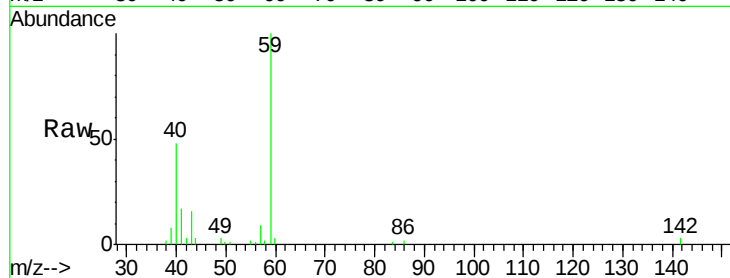
VSTDCCC050EC

Tot Ion: 59 Resp: 87490

Ion Ratio Lower Upper

59 100

57 9.1 6.7 10.1



Abundance Ion 58.95 (58.65 to 59.65): VDC

Ion 56.95 (56.65 to 57.65): VDC

40000

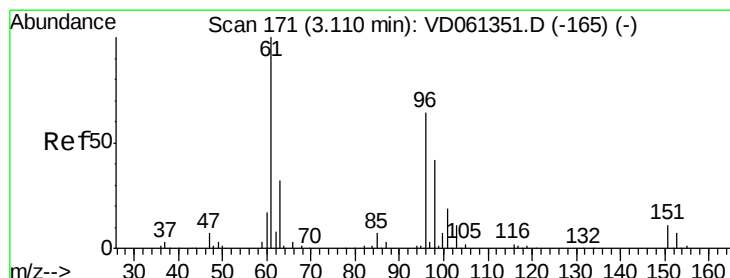
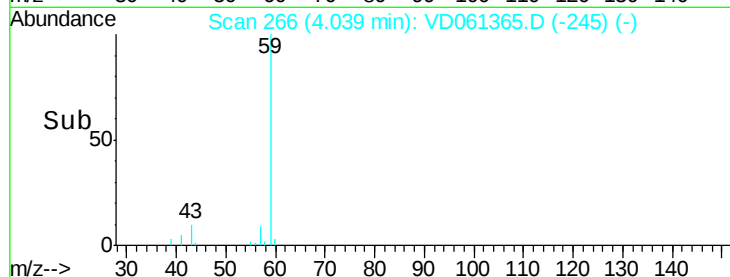
30000

20000

10000

0

Time-->



#12

1,1-Dichloroethene

Concen: 45.923 ug/l

RT: 3.11 min Scan# 172

Delta R.T. 0.00 min

Lab File: VD061365.D

Acq: 27 Mar 2019 21:10

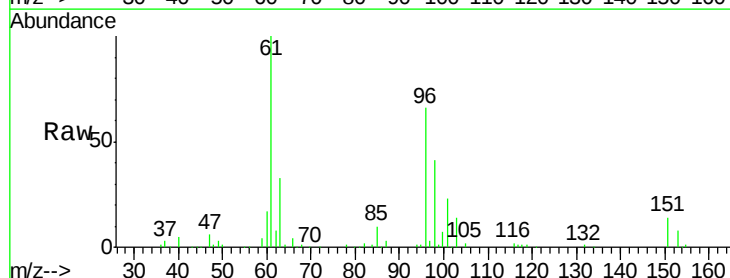
Tgt Ion: 96 Resp: 344199

Ion Ratio Lower Upper

96 100

61 151.4 124.9 187.3

98 62.2 52.5 78.7



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

250000

200000

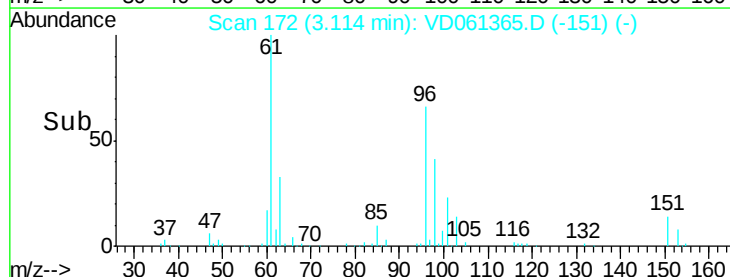
150000

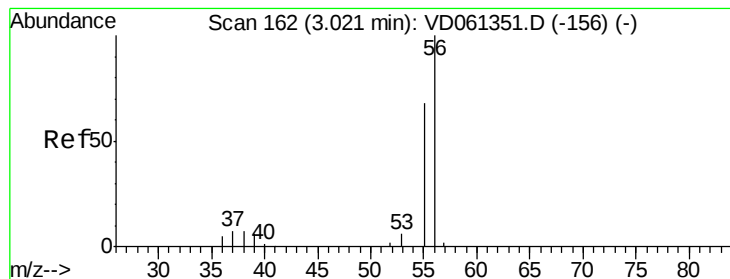
100000

50000

0

Time-->





#13

Acrolein

Concen: 229.928 ug/l

RT: 3.02 min Scan# 163

Delta R.T. 0.00 min

Lab File: VD061365.D

Acq: 27 Mar 2019 21:10

Instrument :

MSVOA_D

ClientSampleId :

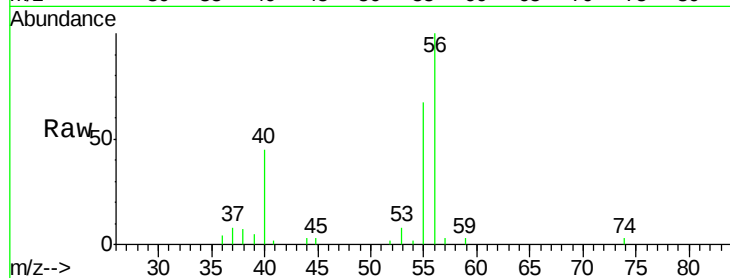
VSTDCCC050EC

Tot Ion: 56 Resp: 65599

Ion Ratio Lower Upper

56 100

55 66.8 54.6 82.0



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC

3.02

25000

20000

15000

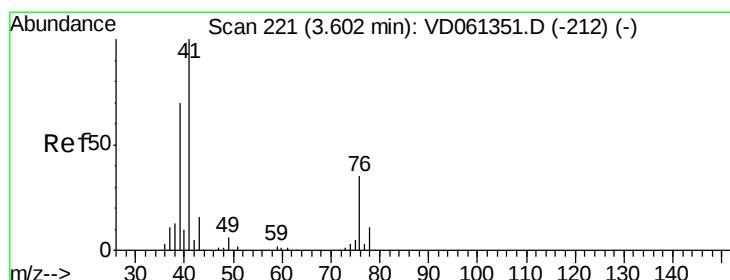
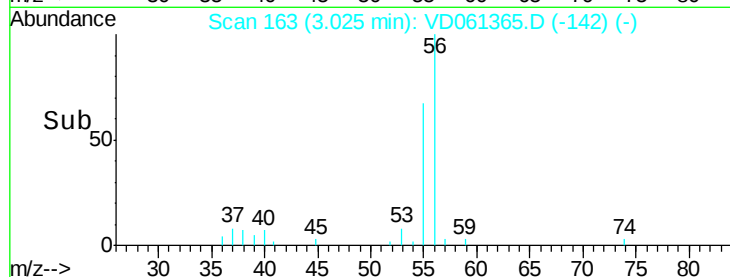
10000

5000

0

Time-->

2.90 3.00 3.10 3.20



#14

Allyl chloride

Concen: 47.898 ug/l

RT: 3.61 min Scan# 222

Delta R.T. 0.00 min

Lab File: VD061365.D

Acq: 27 Mar 2019 21:10

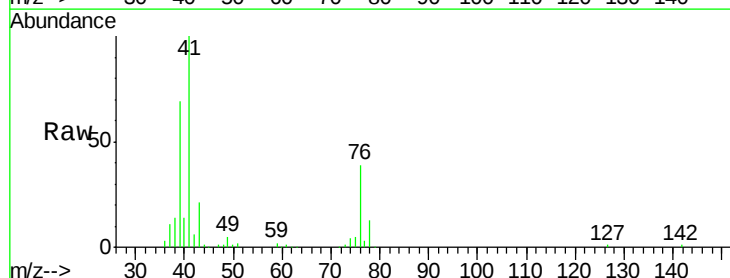
Tgt Ion: 41 Resp: 500726

Ion Ratio Lower Upper

41 100

39 69.3 55.6 83.4

76 39.2 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

3.61

200000

150000

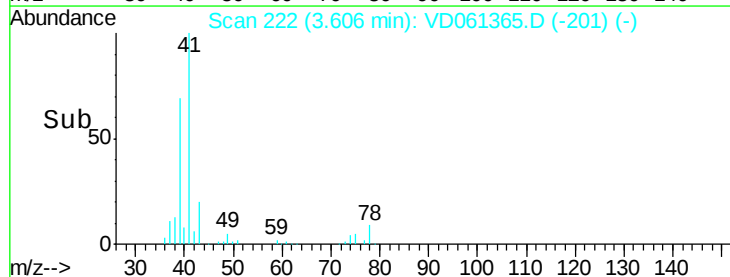
100000

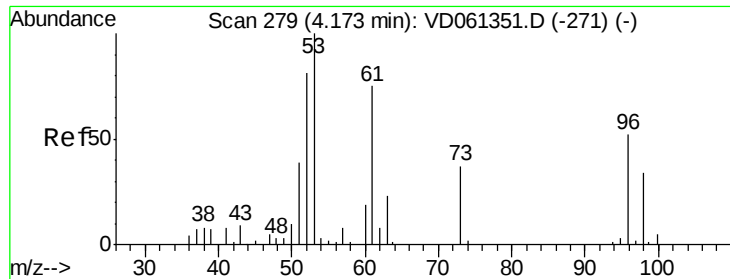
50000

0

Time-->

3.50 3.60 3.70 3.80





#15

Acrylonitrile

Concen: 233.724 ug/l

RT: 4.18 min Scan# 280

Delta R.T. 0.00 min

Lab File: VD061365.D

Acq: 27 Mar 2019 21:10

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

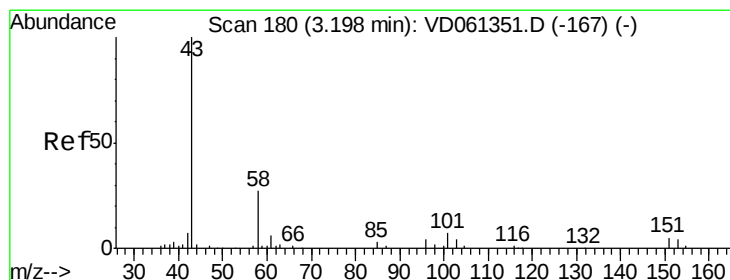
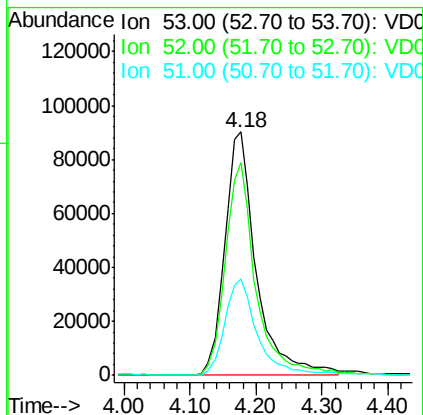
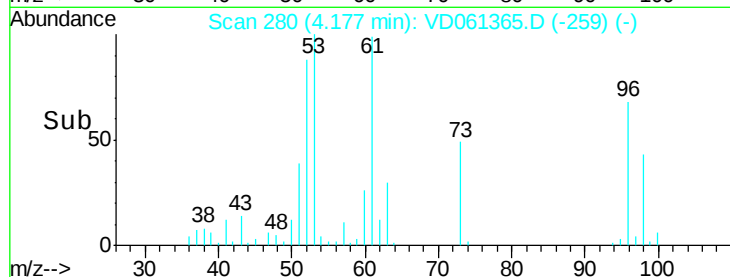
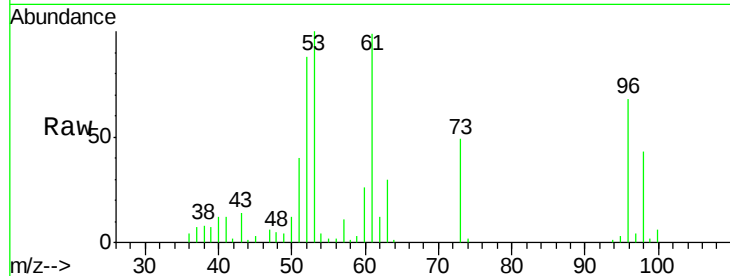
Tot Ion: 53 Resp: 301350

Ion Ratio Lower Upper

53 100

52 87.6 64.8 97.2

51 39.6 31.4 47.2



#16

Acetone

Concen: 219.756 ug/l

RT: 3.20 min Scan# 181

Delta R.T. 0.00 min

Lab File: VD061365.D

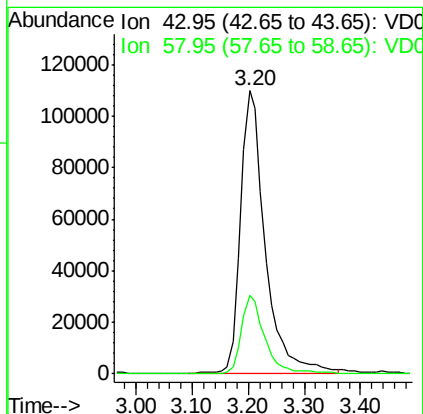
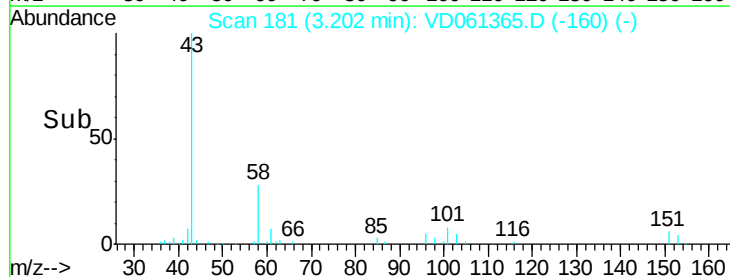
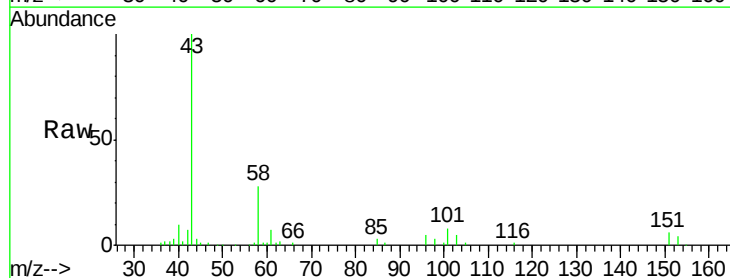
Acq: 27 Mar 2019 21:10

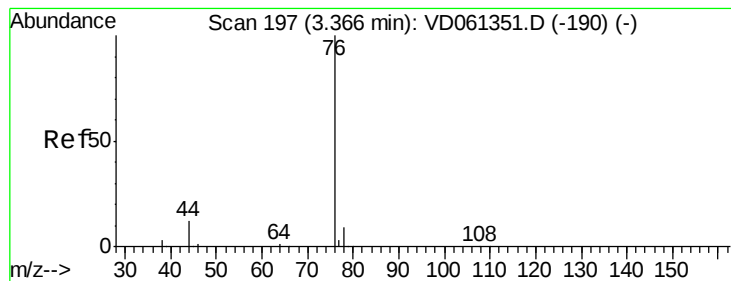
Tgt Ion: 43 Resp: 336975

Ion Ratio Lower Upper

43 100

58 27.6 21.5 32.3





#17

Carbon Disulfide

Concen: 44.075 ug/l

RT: 3.36 min Scan# 197

Delta R.T. -0.01 min

Lab File: VD061365.D

Acq: 27 Mar 2019 21:10

Instrument :

MSVOA_D

ClientSampleId :

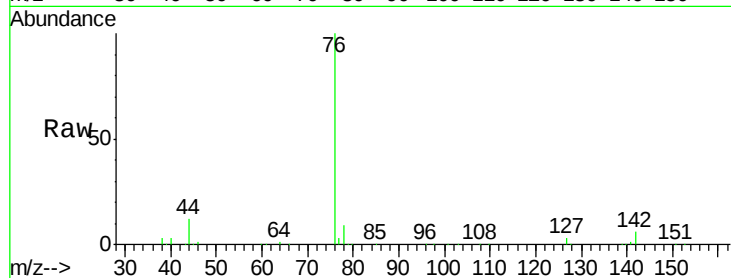
VSTDCCC050EC

Tot Ion: 76 Resp: 1073309

Ion Ratio Lower Upper

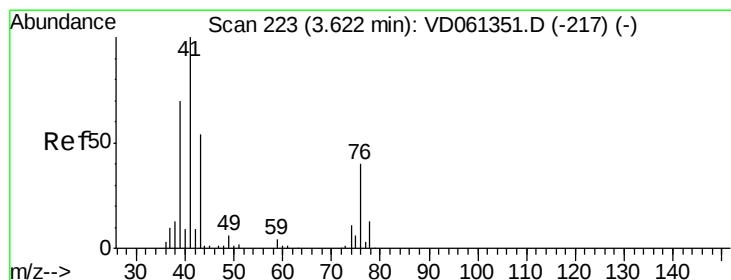
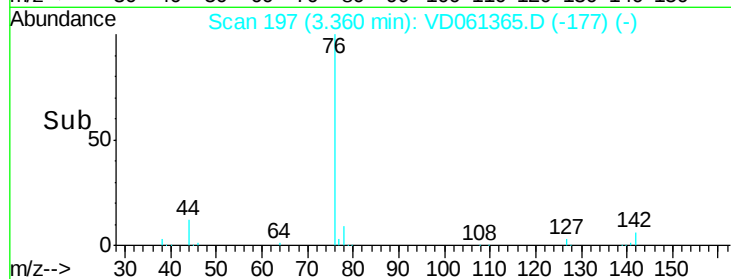
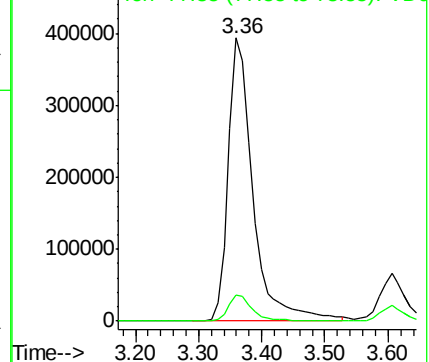
76 100

78 9.1 7.1 10.7



Abundance Ion 75.85 (75.55 to 76.55): VDC

Ion 77.85 (77.55 to 78.55): VDC



#18

Methyl Acetate

Concen: 47.510 ug/l

RT: 3.63 min Scan# 224

Delta R.T. 0.00 min

Lab File: VD061365.D

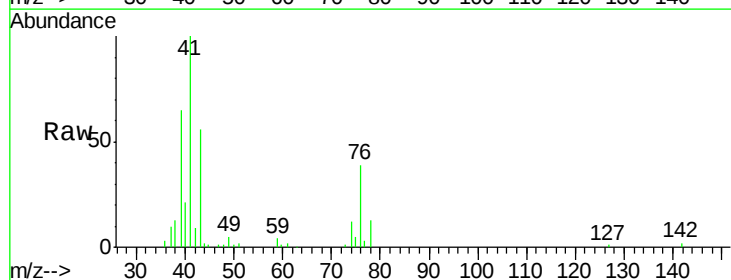
Acq: 27 Mar 2019 21:10

Tgt Ion: 43 Resp: 153175

Ion Ratio Lower Upper

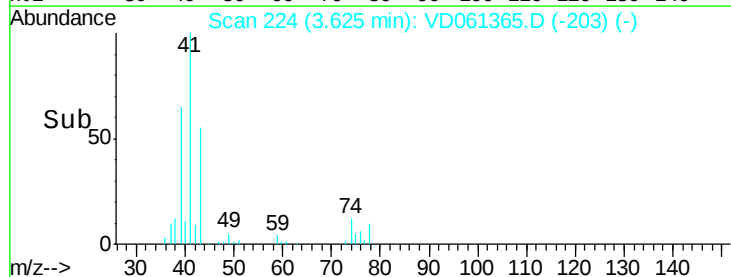
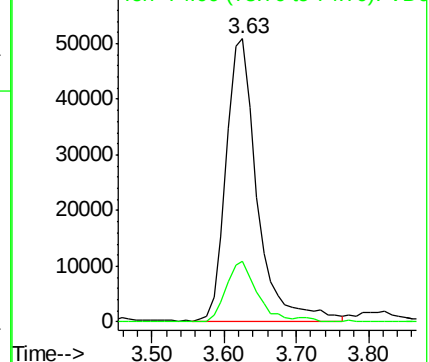
43 100

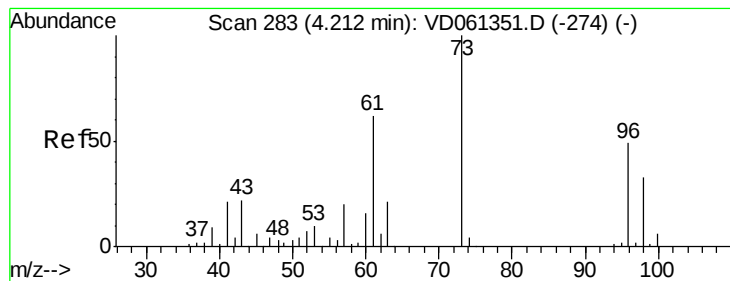
74 21.4 16.7 25.1



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC



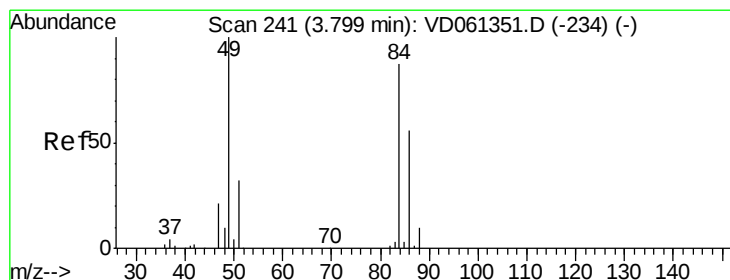
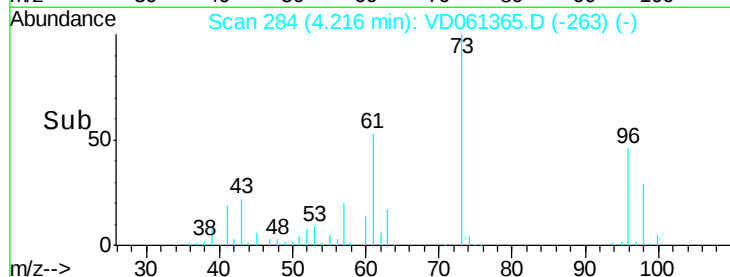
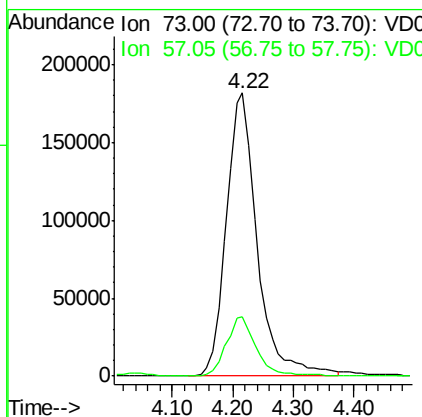
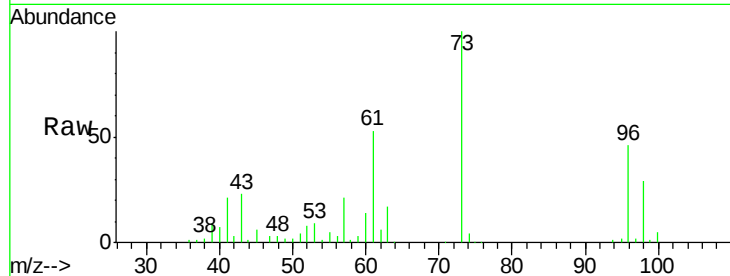


#19

Methyl tert-butyl Ether
 Concen: 49.659 ug/l
 RT: 4.22 min Scan# 284
 Delta R.T. 0.00 min
 Lab File: VD061365.D
 Acq: 27 Mar 2019 21:10

Instrument :
 MSVOA_D
 ClientSampleID :
 VSTDCCC050EC

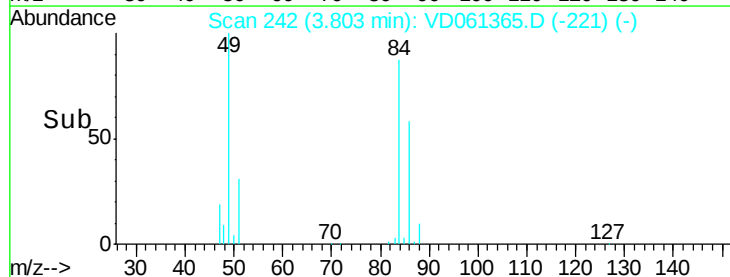
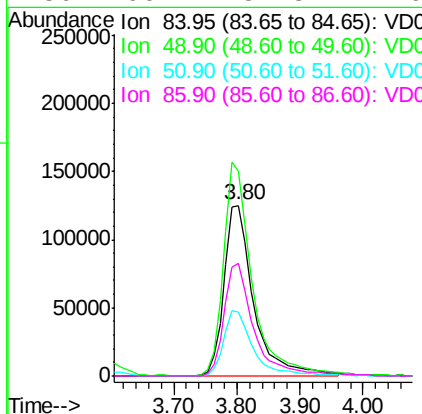
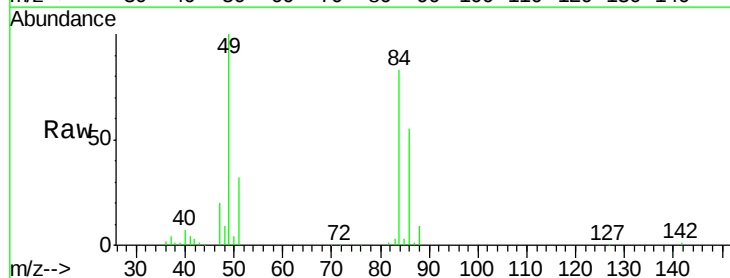
Tot Ion: 73 Resp: 644284
 Ion Ratio Lower Upper
 73 100
 57 20.8 16.4 24.6

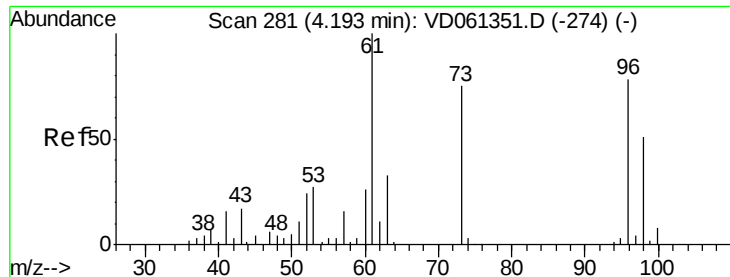


#20

Methylene Chloride
 Concen: 47.451 ug/l
 RT: 3.80 min Scan# 242
 Delta R.T. 0.00 min
 Lab File: VD061365.D
 Acq: 27 Mar 2019 21:10

Tgt Ion: 84 Resp: 408453
 Ion Ratio Lower Upper
 84 100
 49 120.2 91.8 137.8
 51 38.0 29.8 44.8
 86 66.2 51.8 77.6





#21

trans-1,2-Dichloroethene

Concen: 48.882 ug/l

RT: 4.20 min Scan# 282

Delta R.T. 0.00 min

Lab File: VD061365.D

Acq: 27 Mar 2019 21:10

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

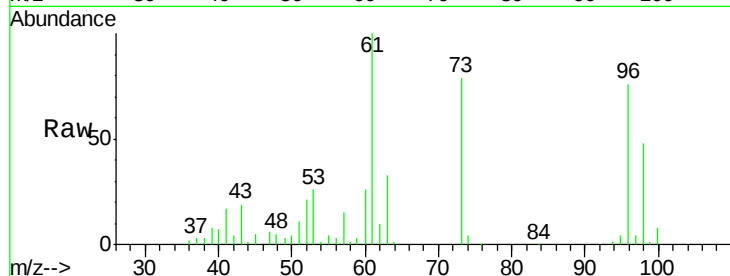
Tot Ion: 96 Resp: 395557

Ion Ratio Lower Upper

96 100

61 131.1 102.7 154.1

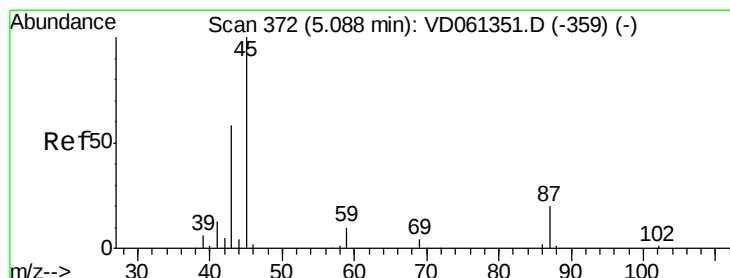
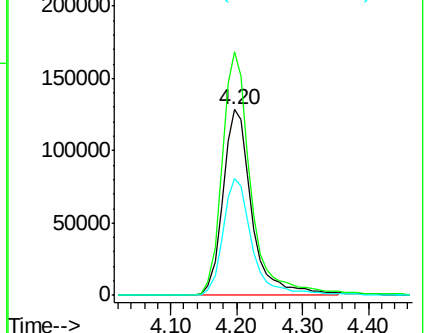
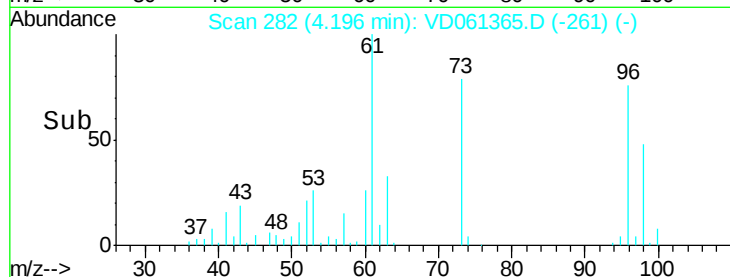
98 63.1 52.2 78.4



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: 46.965 ug/l

RT: 5.09 min Scan# 373

Delta R.T. 0.00 min

Lab File: VD061365.D

Acq: 27 Mar 2019 21:10

Tgt Ion: 45 Resp: 1038973

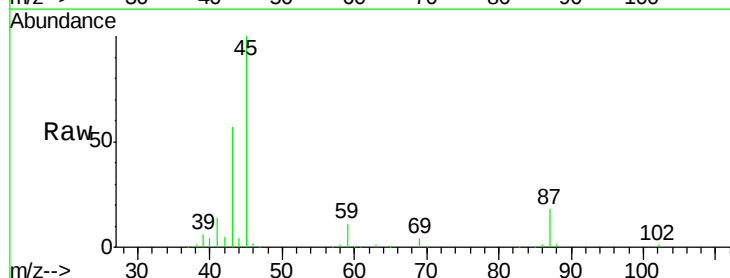
Ion Ratio Lower Upper

45 100

43 57.0 47.4 71.2

87 18.4 16.3 24.5

59 10.6 8.4 12.6

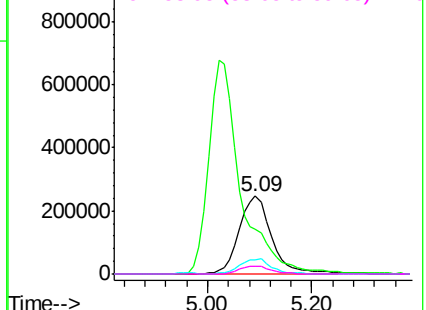
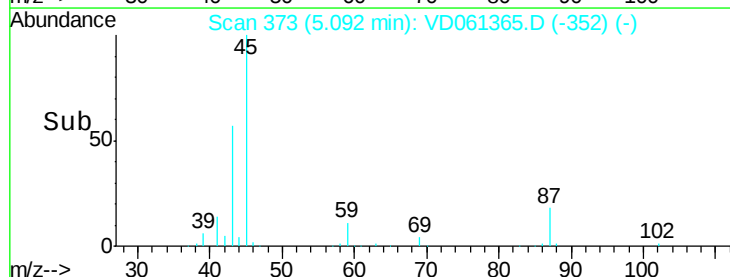


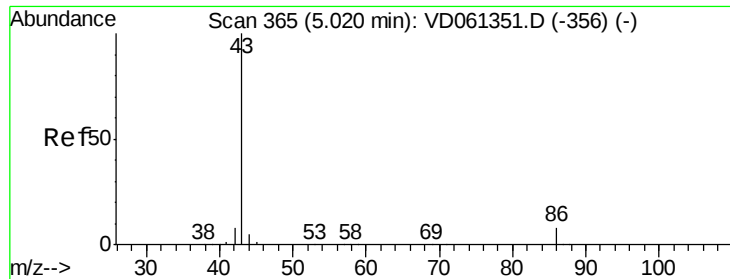
Abundance Ion 45.05 (44.75 to 45.75): VDC

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: 234.988 ug/l

RT: 5.02 min Scan# 366

Delta R.T. 0.00 min

Lab File: VD061365.D

Acq: 27 Mar 2019 21:10

Instrument :

MSVOA_D

ClientSampleId :

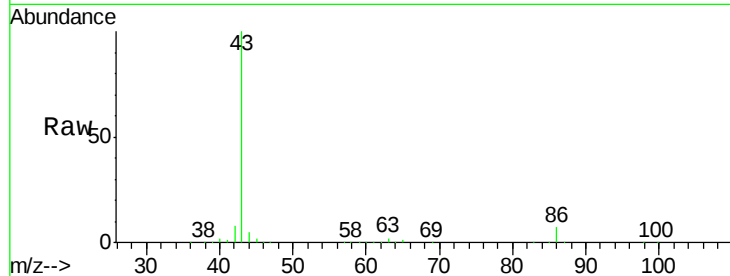
VSTDCCC050EC

Tot Ion: 43 Resp: 2823779

Ion Ratio Lower Upper

43 100

86 7.4 6.7 10.1



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC

5.02

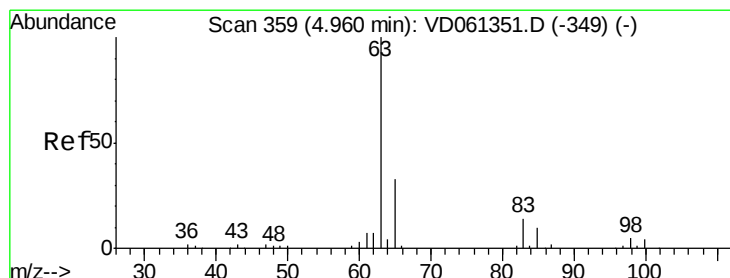
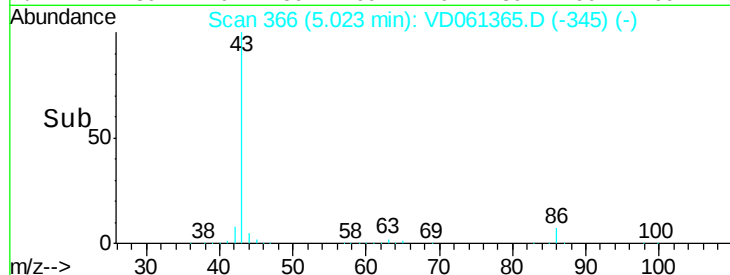
600000

400000

200000

0

Time-->



#24

1,1-Dichloroethane

Concen: 49.529 ug/l

RT: 4.95 min Scan# 359

Delta R.T. -0.01 min

Lab File: VD061365.D

Acq: 27 Mar 2019 21:10

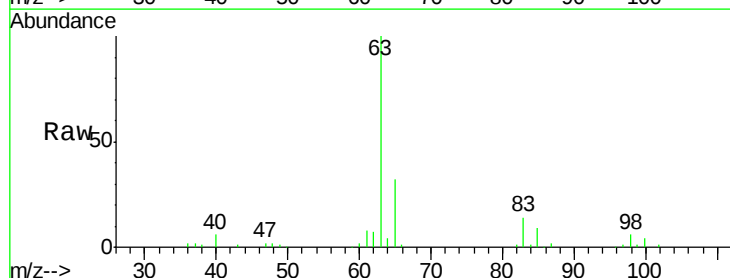
Tgt Ion: 63 Resp: 643933

Ion Ratio Lower Upper

63 100

98 5.8 2.6 8.0

100 3.9 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

4.95

200000

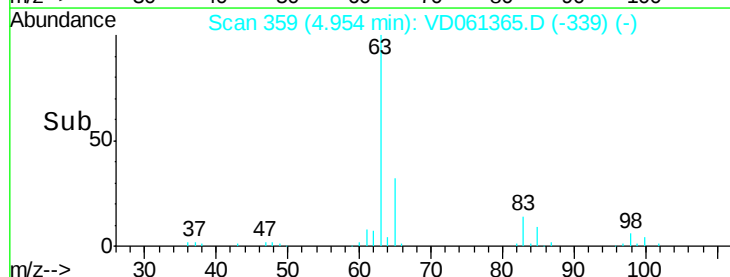
150000

100000

50000

0

Time-->





#25

2-Butanone

Concen: 222.503 ug/l

RT: 6.04 min Scan# 469

Delta R.T. 0.00 min

Lab File: VD061365.D

Acq: 27 Mar 2019 21:10

Instrument :

MSVOA_D

ClientSampleId :

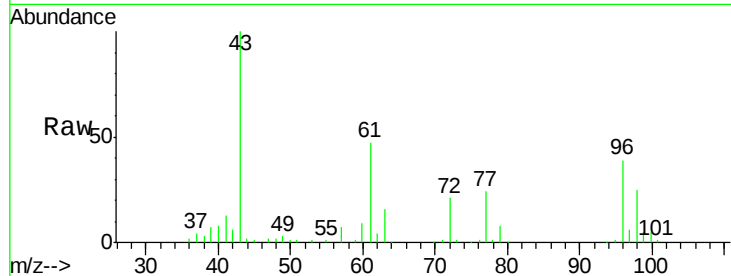
VSTDCCC050EC

Tot Ion: 43 Resp: 429184

Ion Ratio Lower Upper

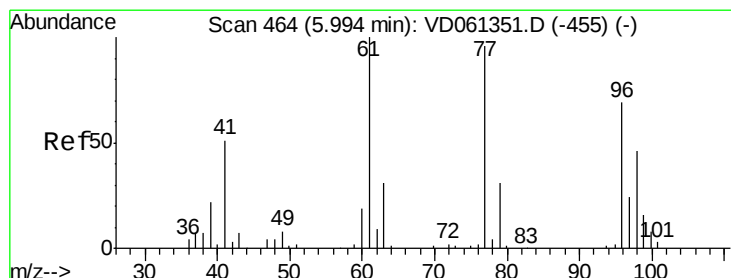
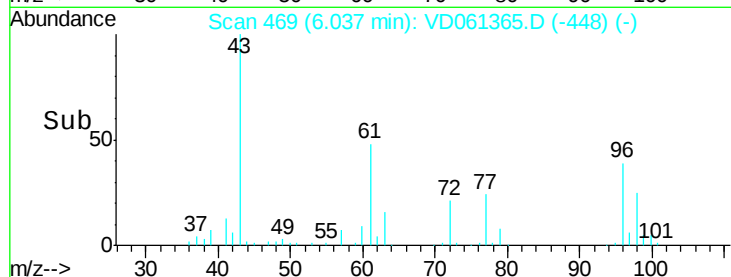
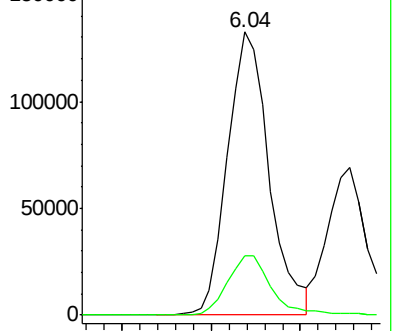
43 100

72 21.1 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: 44.966 ug/l

RT: 6.00 min Scan# 465

Delta R.T. 0.00 min

Lab File: VD061365.D

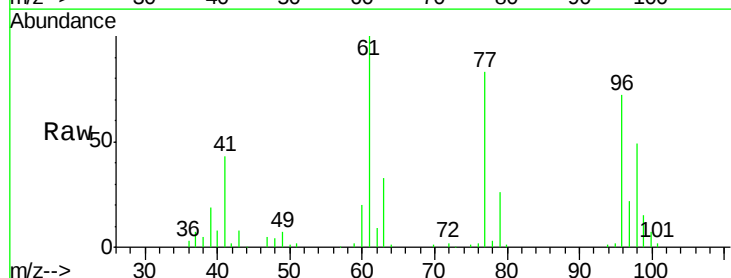
Acq: 27 Mar 2019 21:10

Tgt Ion: 77 Resp: 464729

Ion Ratio Lower Upper

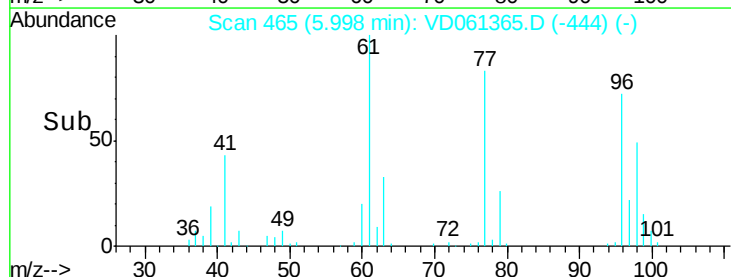
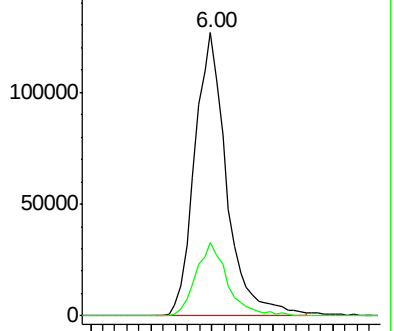
77 100

97 26.1 12.7 38.0



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



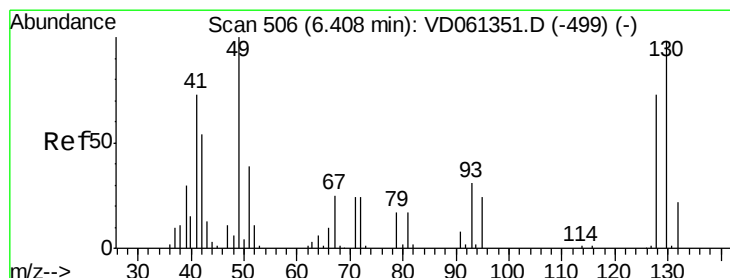
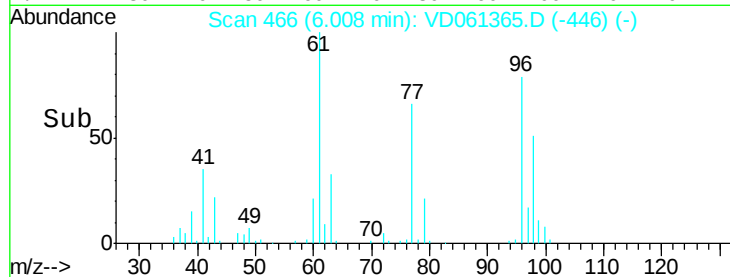
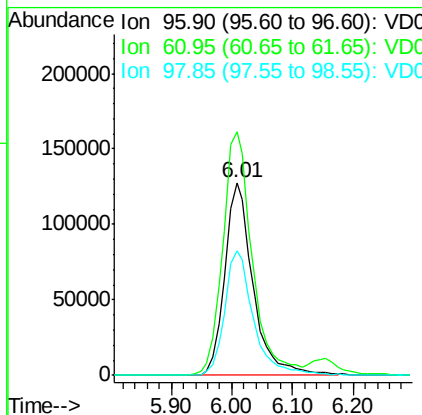
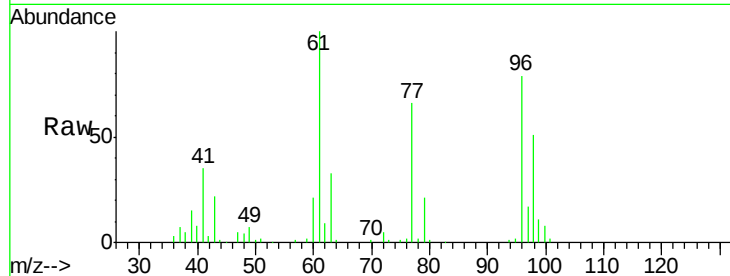


#27

cis-1,2-Dichloroethene
Concen: 46.599 ug/l
RT: 6.01 min Scan# 466
Delta R.T. -0.01 min
Lab File: VD061365.D
Acq: 27 Mar 2019 21:10

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

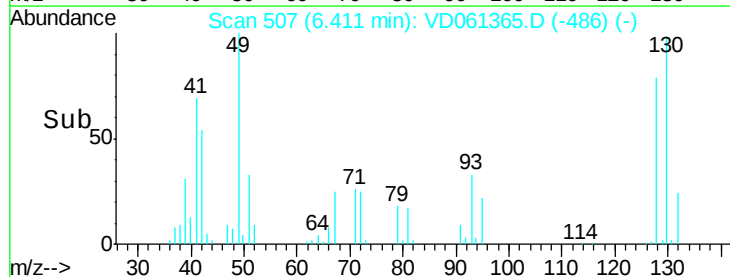
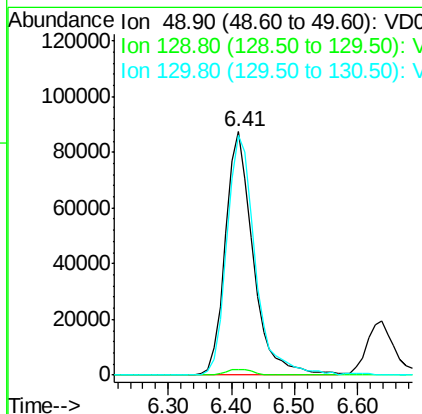
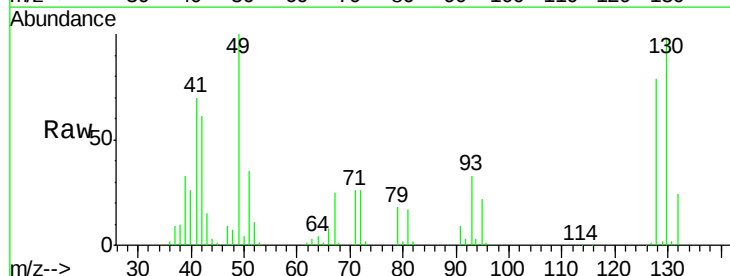
Tot Ion: 96 Resp: 413143
Ion Ratio Lower Upper
96 100
61 126.2 0.0 251.6
98 64.3 0.0 129.2



#28

Bromochloromethane
Concen: 50.718 ug/l
RT: 6.41 min Scan# 507
Delta R.T. 0.00 min
Lab File: VD061365.D
Acq: 27 Mar 2019 21:10

Tgt Ion: 49 Resp: 266170
Ion Ratio Lower Upper
49 100
129 2.4 0.0 0.0#
130 98.3 78.4 117.6

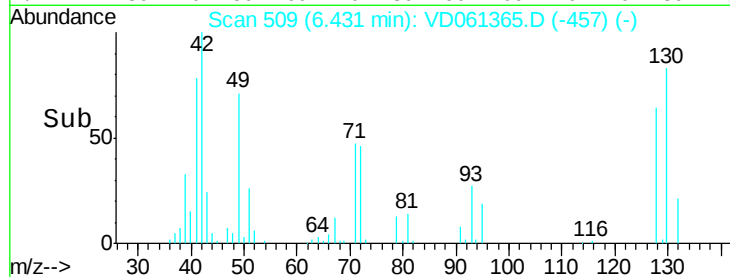
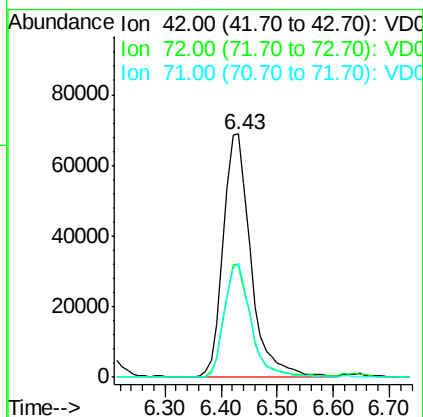
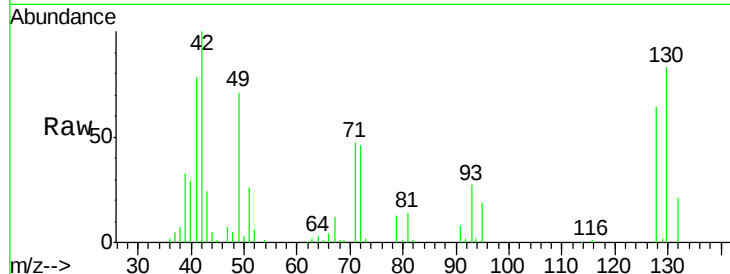




#29
Tetrahydrofuran
Concen: 254.284 ug/l
RT: 6.43 min Scan# 509
Delta R.T. 0.01 min
Lab File: VD061365.D
Acq: 27 Mar 2019 21:10

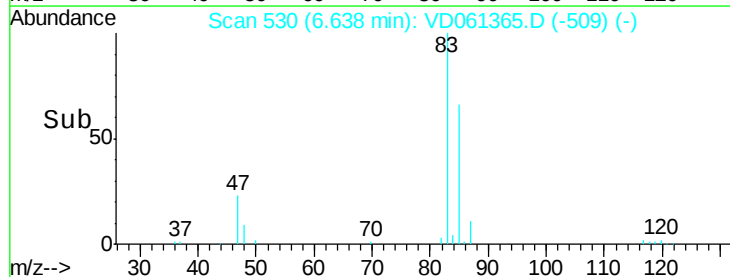
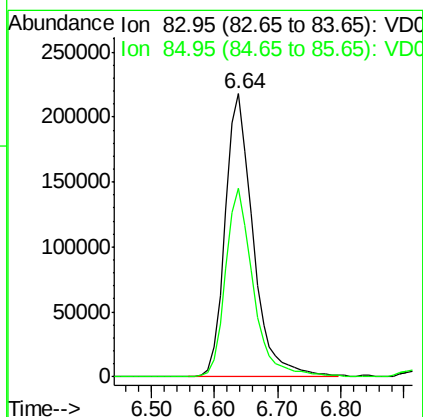
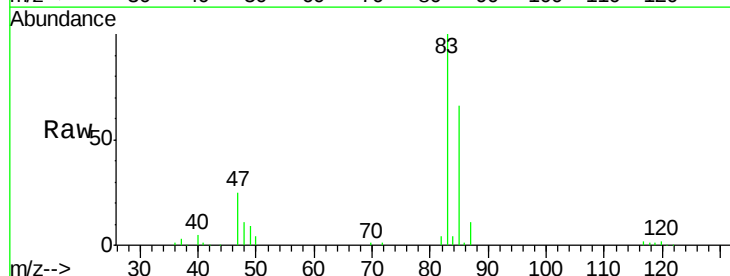
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 42 Resp: 237736
Ion Ratio Lower Upper
42 100
72 44.8 37.4 56.0
71 45.0 36.7 55.1



#30
Chloroform
Concen: 49.697 ug/l
RT: 6.64 min Scan# 530
Delta R.T. 0.00 min
Lab File: VD061365.D
Acq: 27 Mar 2019 21:10

Tgt Ion: 83 Resp: 667613
Ion Ratio Lower Upper
83 100
85 66.5 53.0 79.4





#31

Cyclohexane

Concen: 44.709 ug/l

RT: 6.93 min Scan# 560

Delta R.T. 0.00 min

Lab File: VD061365.D

Acq: 27 Mar 2019 21:10

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

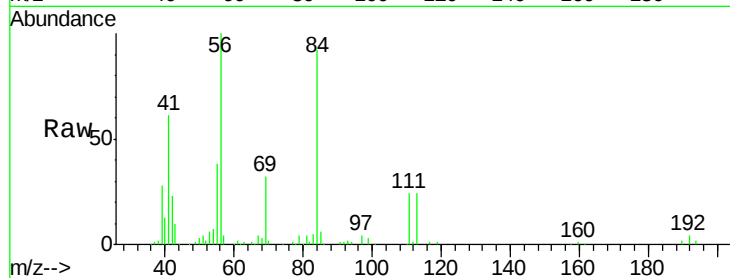
Tot Ion: 56 Resp: 459338

Ion Ratio Lower Upper

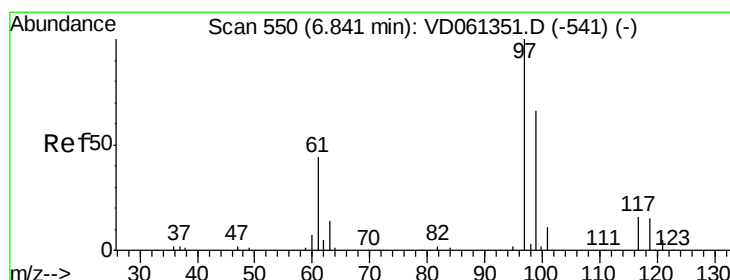
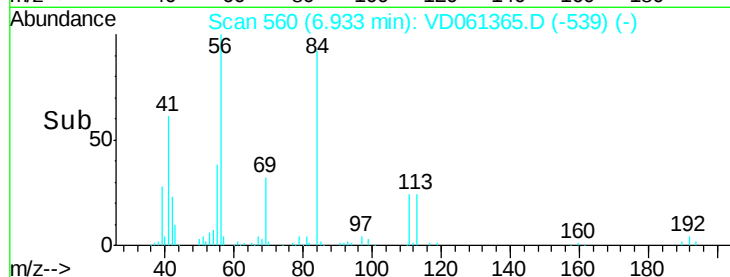
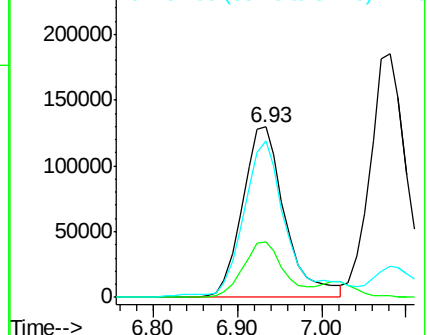
56 100

69 32.3 25.7 38.5

84 92.0 70.6 105.8



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



#32

1,1,1-Trichloroethane

Concen: 48.524 ug/l

RT: 6.84 min Scan# 551

Delta R.T. 0.00 min

Lab File: VD061365.D

Acq: 27 Mar 2019 21:10

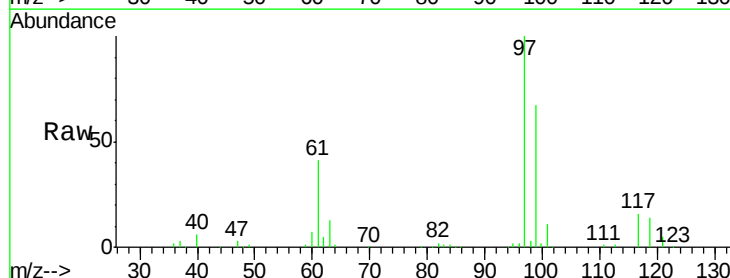
Tgt Ion: 97 Resp: 575074

Ion Ratio Lower Upper

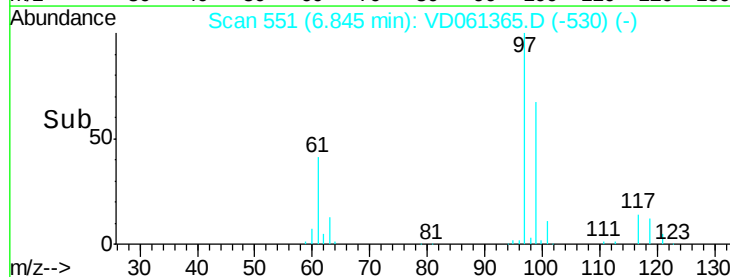
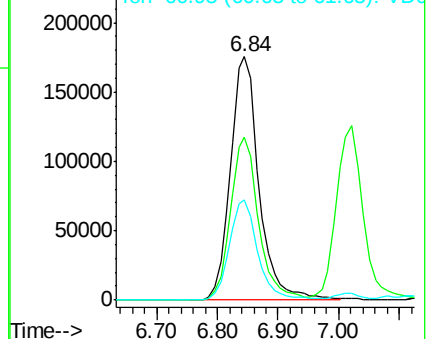
97 100

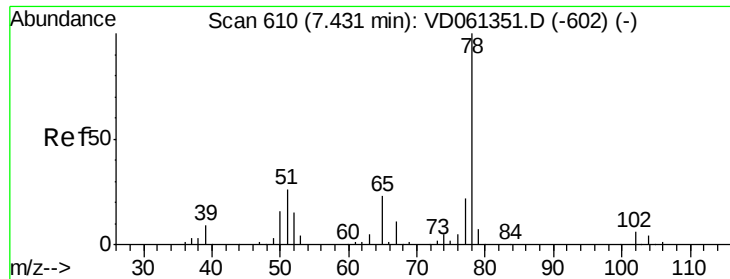
99 66.9 53.1 79.7

61 41.3 35.5 53.3



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





#33

1,2-Dichloroethane-d4

Concen: 48.524 ug/l

RT: 7.43 min Scan# 610

Delta R.T. -0.01 min

Lab File: VD061365.D

Acq: 27 Mar 2019 21:10

Instrument :

MSVOA_D

ClientSampleId :

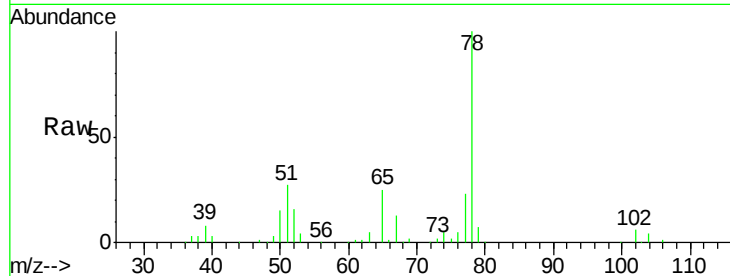
VSTDCCC050EC

Tot Ion: 65 Resp: 291500

Ion Ratio Lower Upper

65 100

67 50.0 0.0 99.8



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC

7.43

100000

80000

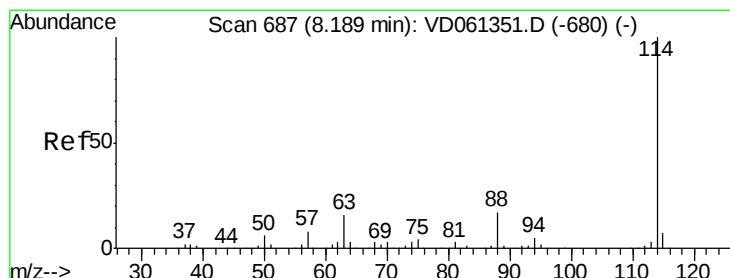
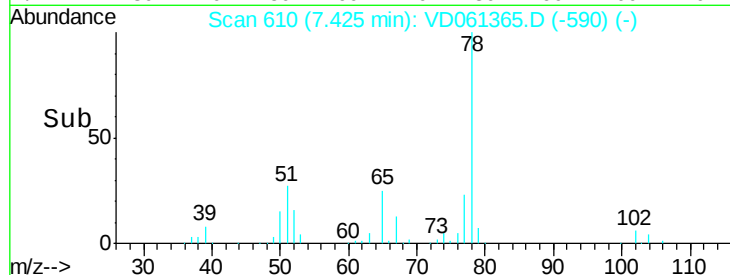
60000

40000

20000

0

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.19 min Scan# 688

Delta R.T. 0.00 min

Lab File: VD061365.D

Acq: 27 Mar 2019 21:10

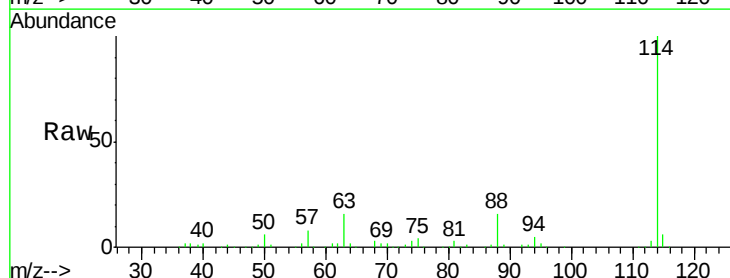
Tgt Ion: 114 Resp: 1216822

Ion Ratio Lower Upper

114 100

63 15.6 0.0 31.6

88 16.4 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

600000

500000

400000

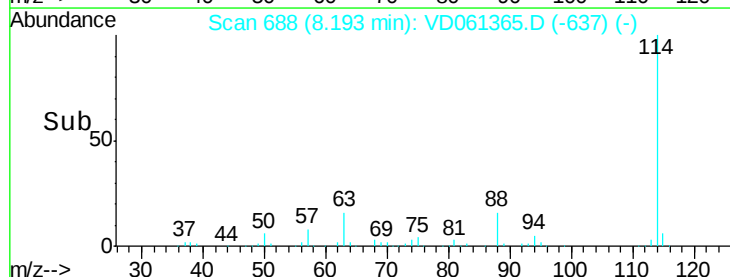
300000

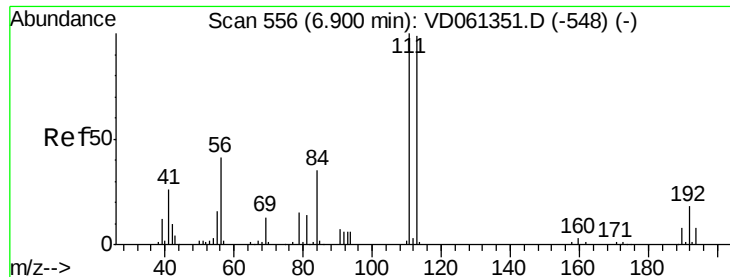
200000

100000

0

Time-->

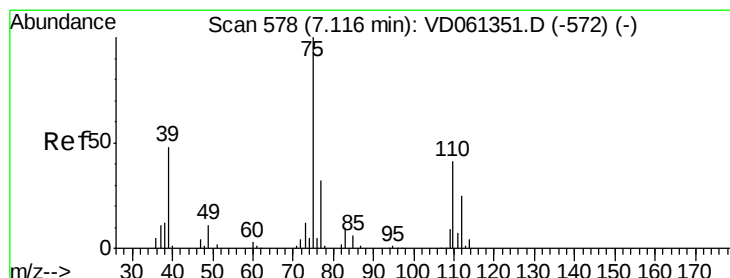
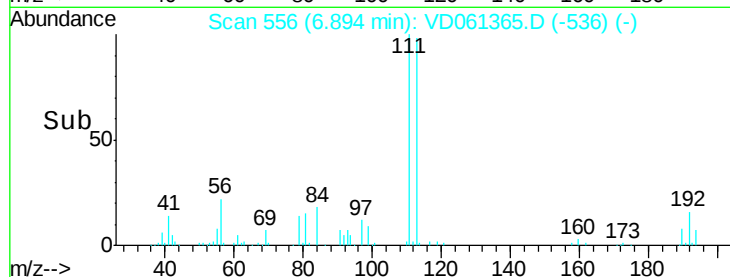
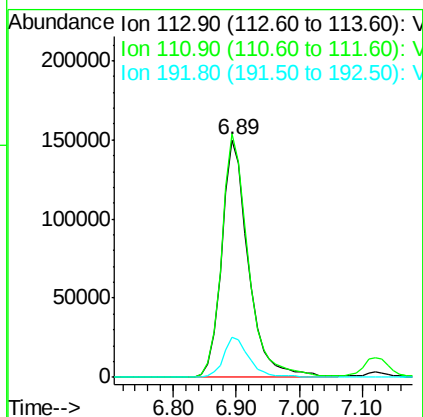
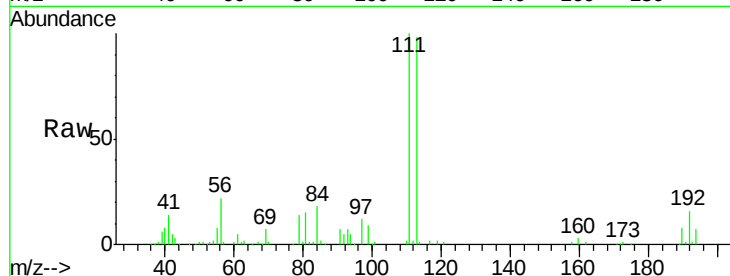




#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 6.89 min Scan# 556
 Delta R.T. -0.01 min
 Lab File: VD061365.D
 Acq: 27 Mar 2019 21:10

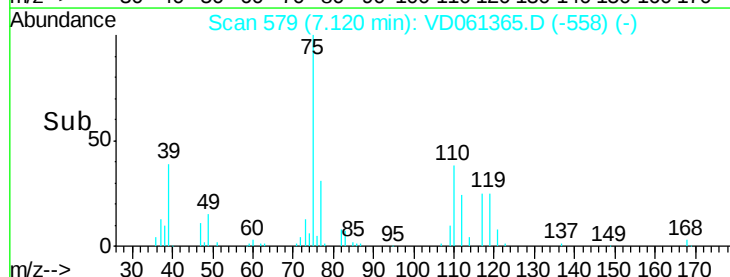
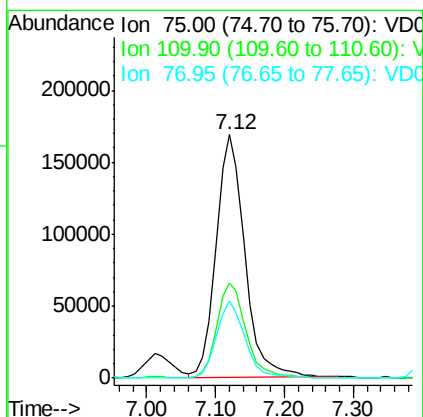
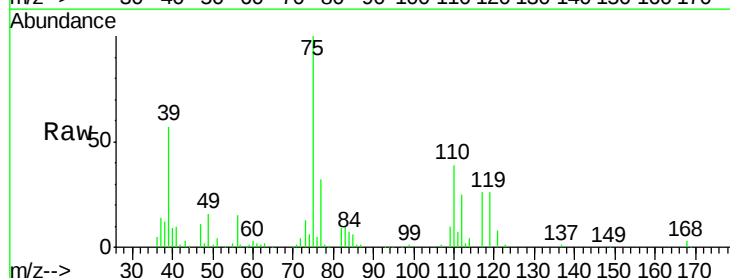
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

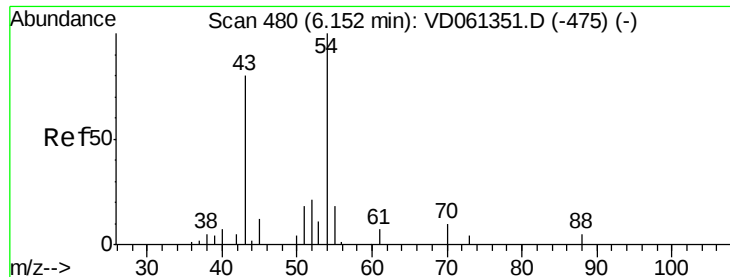
Tot Ion:113 Resp: 441083
 Ion Ratio Lower Upper
 113 100
 111 102.5 81.0 121.6
 192 16.9 14.4 21.6



#36
 1,1-Dichloropropene
 Concen: 45.671 ug/l
 RT: 7.12 min Scan# 579
 Delta R.T. 0.00 min
 Lab File: VD061365.D
 Acq: 27 Mar 2019 21:10

Tgt Ion: 75 Resp: 485025
 Ion Ratio Lower Upper
 75 100
 110 39.2 20.4 61.3
 77 32.0 24.9 37.3

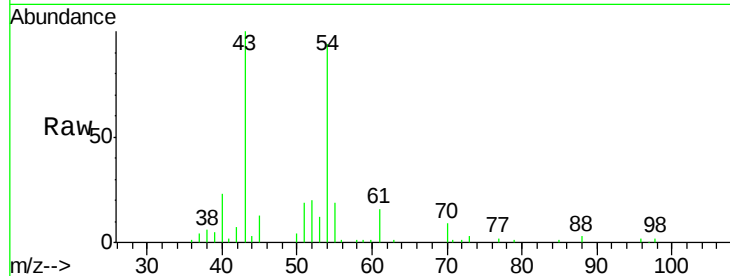




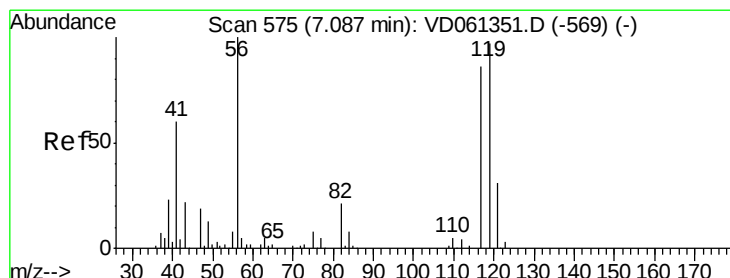
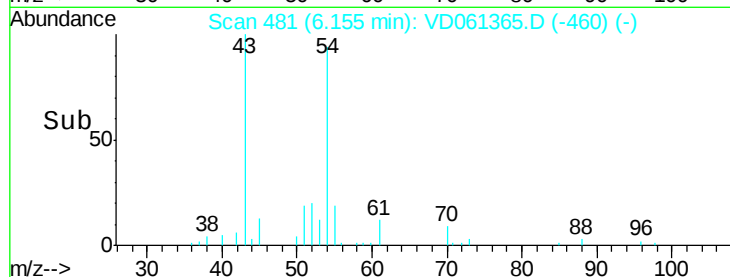
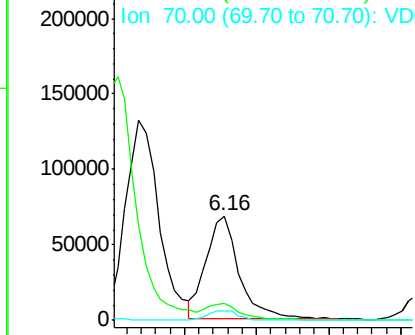
#37
Ethyl Acetate
Concen: 47.655 ug/l
RT: 6.16 min Scan# 481
Delta R.T. 0.00 min
Lab File: VD061365.D
Acq: 27 Mar 2019 21:10

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 216448
Ion Ratio Lower Upper
43 100
61 16.4 13.8 20.8
70 9.3 7.8 11.8

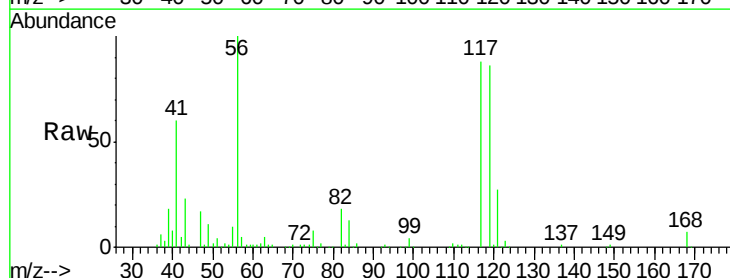


Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 70.00 (69.70 to 70.70): VDC

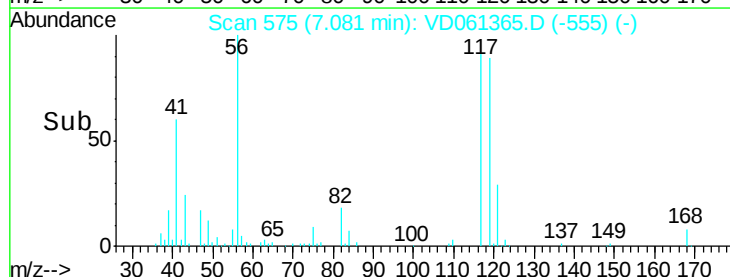
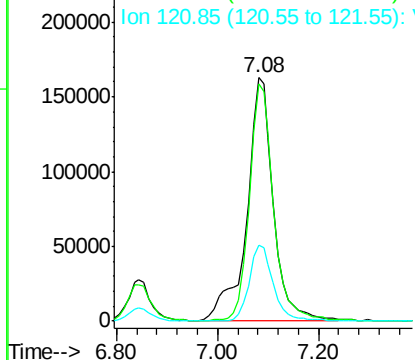


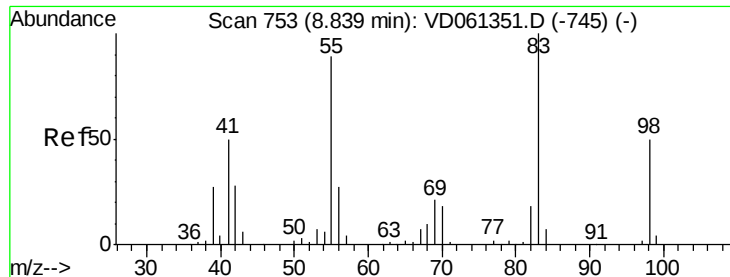
#38
Carbon Tetrachloride
Concen: 49.361 ug/l
RT: 7.08 min Scan# 575
Delta R.T. -0.01 min
Lab File: VD061365.D
Acq: 27 Mar 2019 21:10

Tgt Ion: 117 Resp: 596876
Ion Ratio Lower Upper
117 100
119 97.3 80.1 120.1
121 31.3 25.6 38.4



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

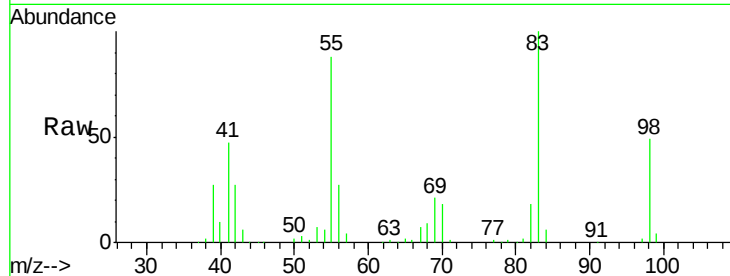




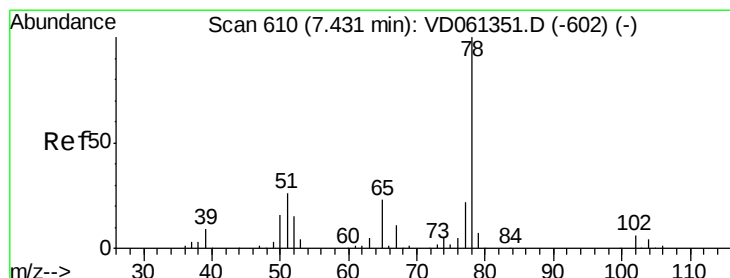
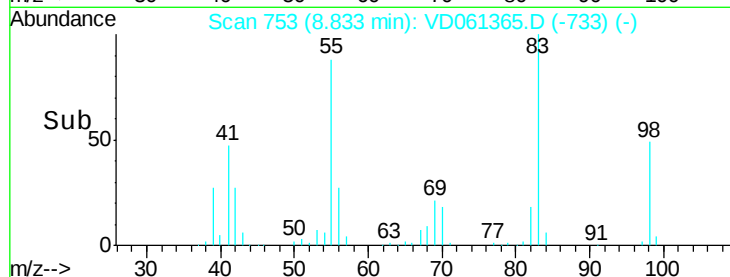
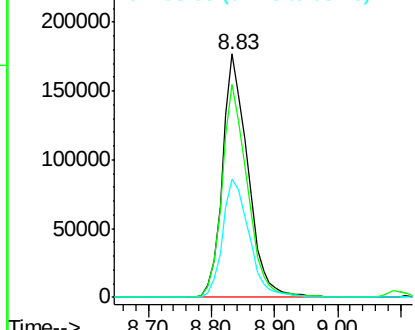
#39
Methvlcvclohexane
Concen: 44.815 ug/l
RT: 8.83 min Scan# 753
Delta R.T. -0.01 min
Lab File: VD061365.D
Acq: 27 Mar 2019 21:10

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 83 Resp: 495689
Ion Ratio Lower Upper
83 100
55 87.6 71.5 107.3
98 48.7 40.3 60.5

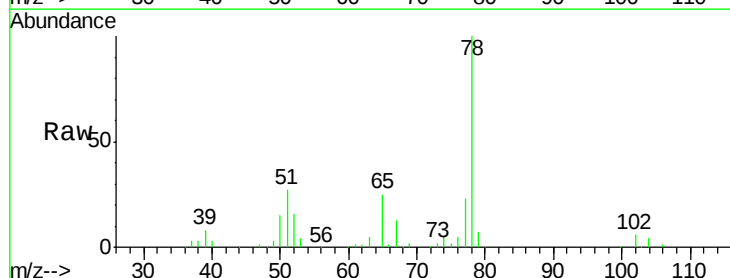


Abundance Ion 83.05 (82.75 to 83.75): VDC
Ion 55.00 (54.70 to 55.70): VDC
Ion 98.05 (97.75 to 98.75): VDC

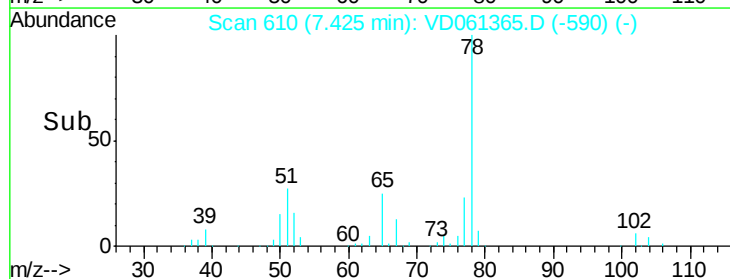
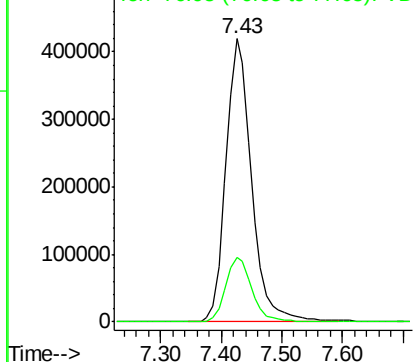


#40
Benzene
Concen: 46.322 ug/l
RT: 7.43 min Scan# 610
Delta R.T. -0.01 min
Lab File: VD061365.D
Acq: 27 Mar 2019 21:10

Tgt Ion: 78 Resp: 1234650
Ion Ratio Lower Upper
78 100
77 22.8 17.8 26.6



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

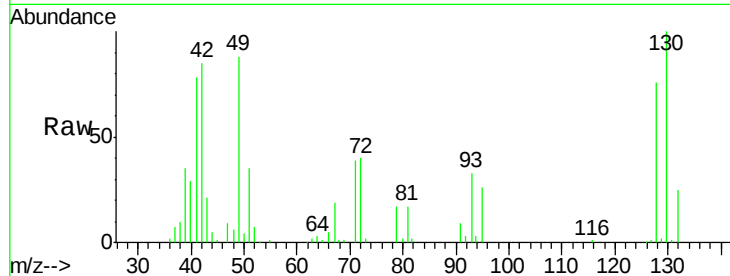




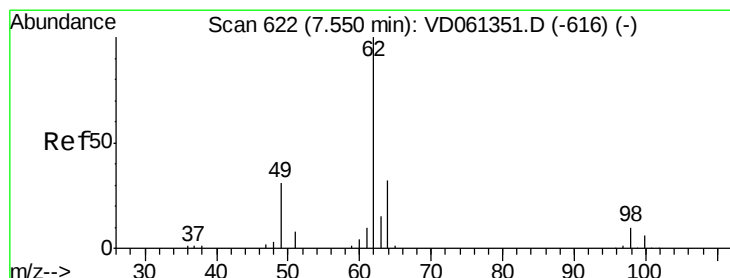
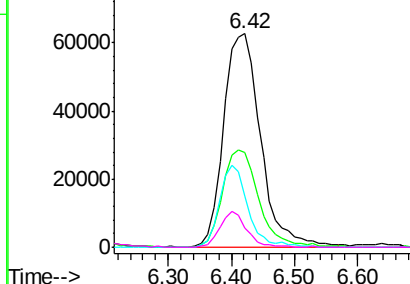
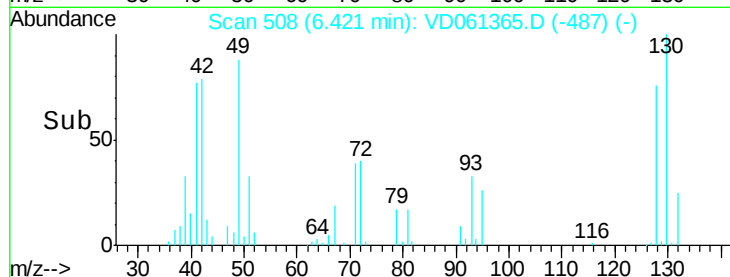
#41
Methacrylonitrile
Concen: 48.064 ug/l
RT: 6.42 min Scan# 508
Delta R.T. 0.00 min
Lab File: VD061365.D
Acq: 27 Mar 2019 21:10

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 41 Resp: 255252
Ion Ratio Lower Upper
41 100
39 44.5 35.0 52.6
67 24.0 21.0 31.6
52 9.0 7.7 11.5

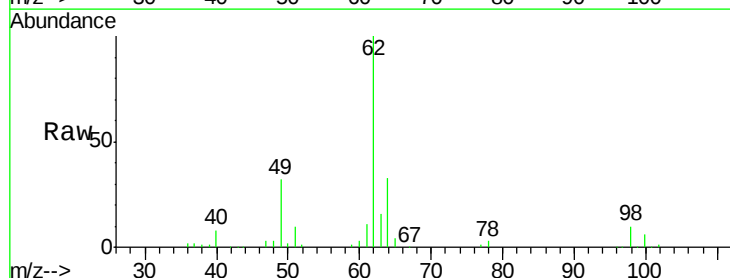


Abundance Ion 40.95 (40.65 to 41.65): VDC
Ion 38.95 (38.65 to 39.65): VDC
Ion 67.00 (66.70 to 67.70): VDC
Ion 52.00 (51.70 to 52.70): VDC

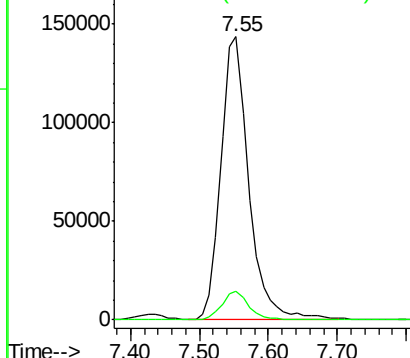
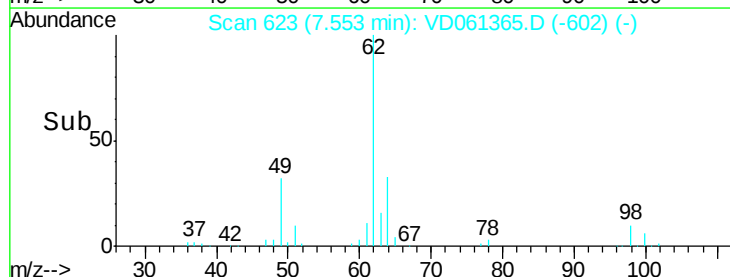


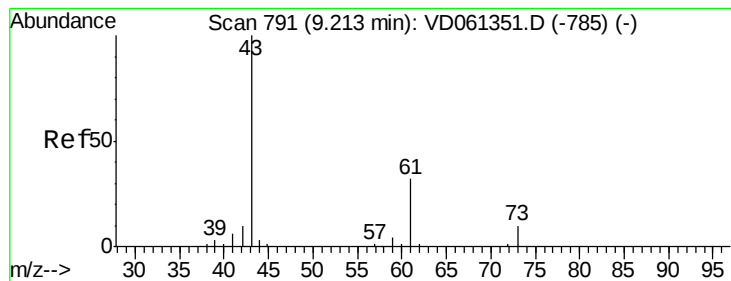
#42
1,2-Dichloroethane
Concen: 50.703 ug/l
RT: 7.55 min Scan# 623
Delta R.T. 0.00 min
Lab File: VD061365.D
Acq: 27 Mar 2019 21:10

Tgt Ion: 62 Resp: 404243
Ion Ratio Lower Upper
62 100
98 10.1 0.0 19.8



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



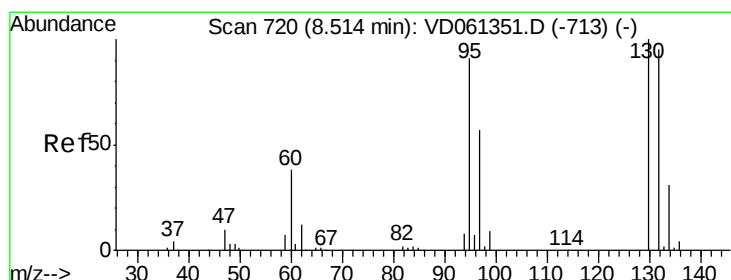
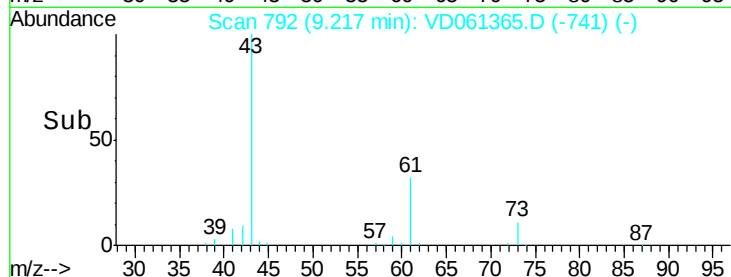
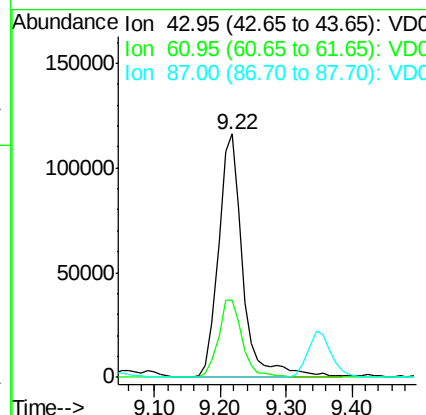
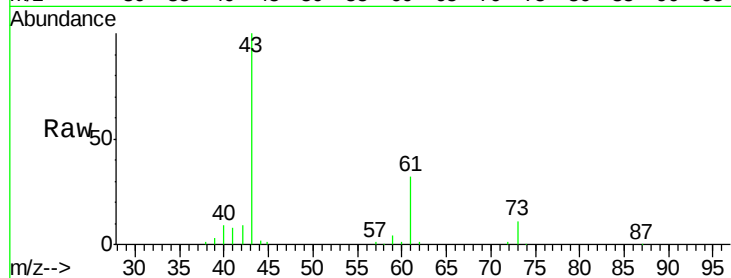


#43

Isopropyl Acetate
 Concen: 44.771 ug/l
 RT: 9.22 min Scan# 792
 Delta R.T. 0.00 min
 Lab File: VD061365.D
 Acq: 27 Mar 2019 21:10

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

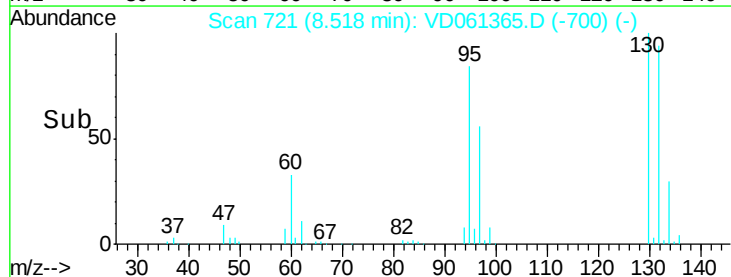
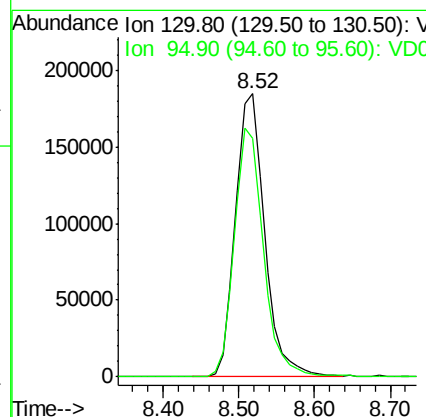
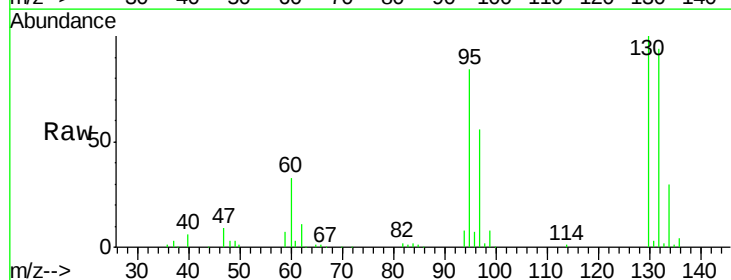
Tot Ion: 43 Resp: 295865
 Ion Ratio Lower Upper
 43 100
 61 31.8 25.8 38.6
 87 0.4 0.0 0.0#

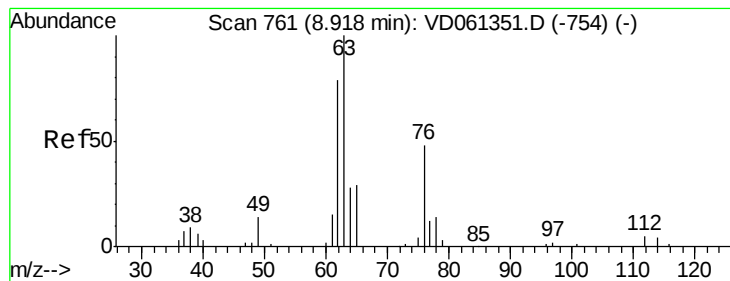


#44

Trichloroethene
 Concen: 49.660 ug/l
 RT: 8.52 min Scan# 721
 Delta R.T. 0.00 min
 Lab File: VD061365.D
 Acq: 27 Mar 2019 21:10

Tgt Ion: 130 Resp: 492583
 Ion Ratio Lower Upper
 130 100
 95 84.4 0.0 181.4





#45

1,2-Dichloropropane

Concen: 48.620 ug/l

RT: 8.91 min Scan# 761

Delta R.T. -0.01 min

Lab File: VD061365.D

Acq: 27 Mar 2019 21:10

Instrument :

MSVOA_D

ClientSampleId :

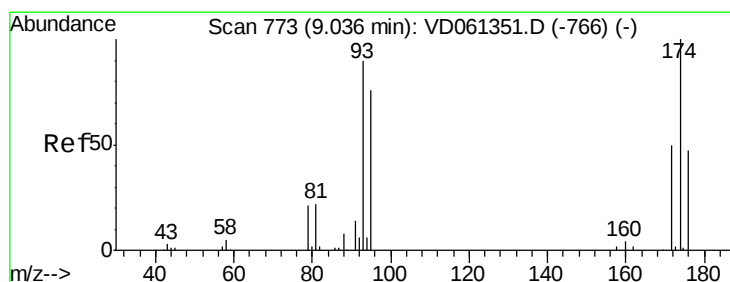
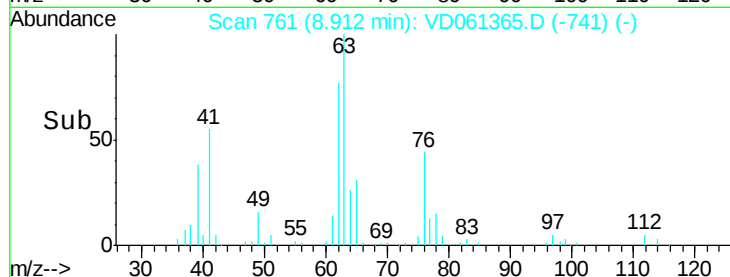
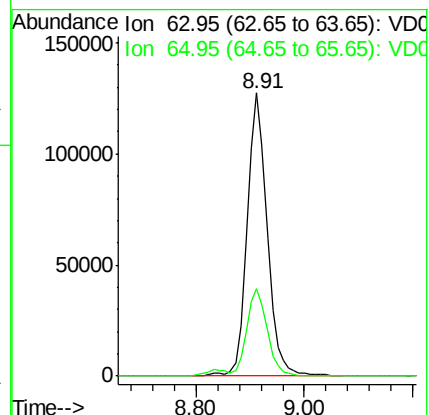
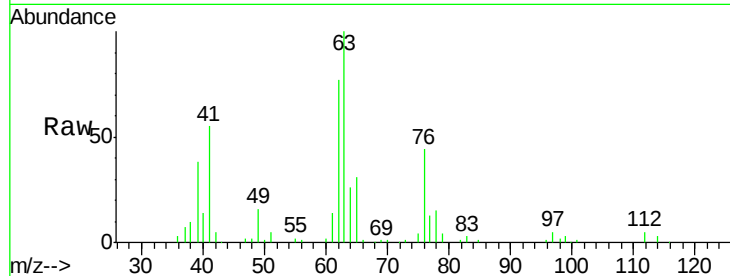
VSTDCCC050EC

Tot Ion: 63 Resp: 328599

Ion Ratio Lower Upper

63 100

65 30.9 25.0 37.4



#46

Dibromomethane

Concen: 48.388 ug/l

RT: 9.04 min Scan# 774

Delta R.T. 0.00 min

Lab File: VD061365.D

Acq: 27 Mar 2019 21:10

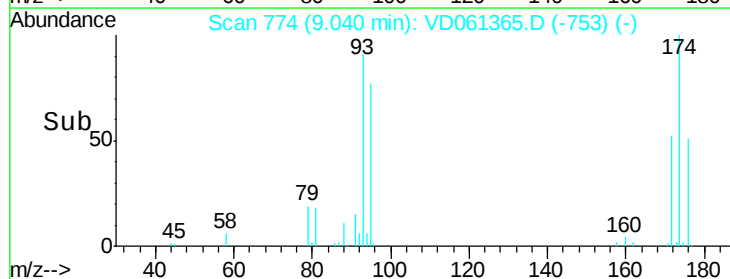
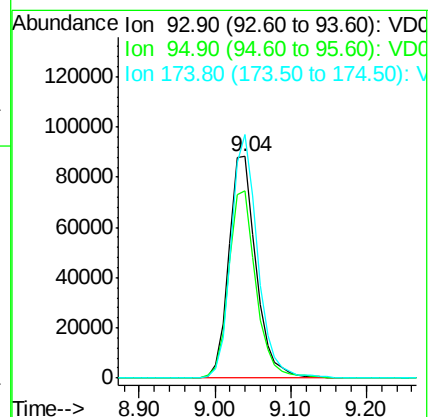
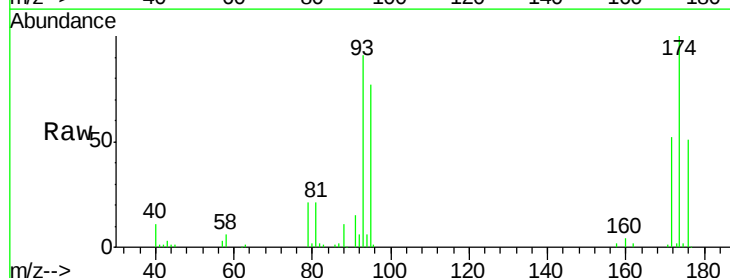
Tgt Ion: 93 Resp: 220116

Ion Ratio Lower Upper

93 100

95 84.7 67.4 101.0

174 110.0 88.9 133.3





#47

Bromodichloromethane

Concen: 49.174 ug/l

RT: 9.34 min Scan# 805

Delta R.T. -0.01 min

Lab File: VD061365.D

Acq: 27 Mar 2019 21:10

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

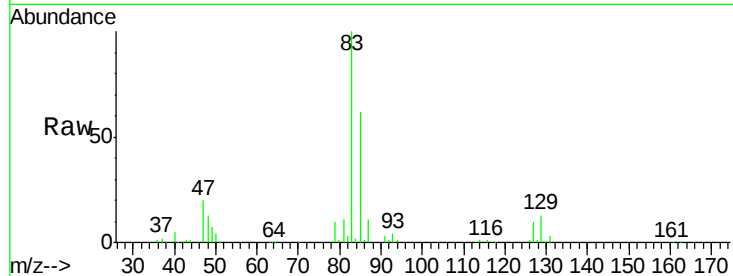
Tot Ion: 83 Resp: 502065

Ion Ratio Lower Upper

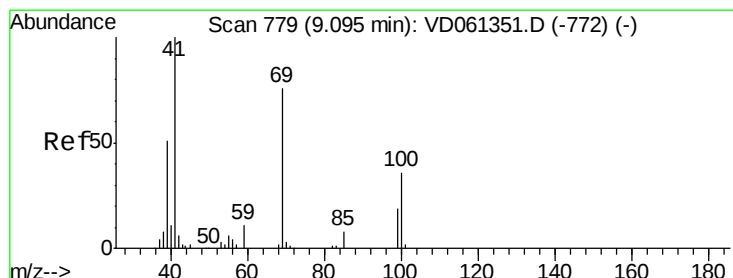
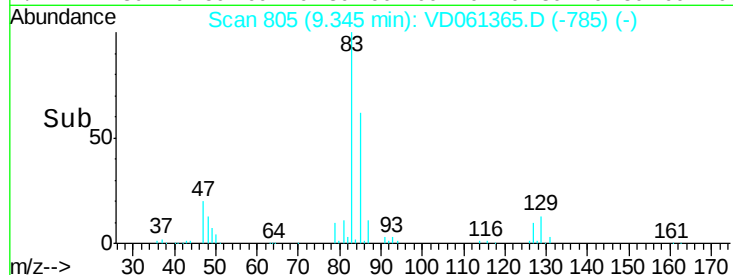
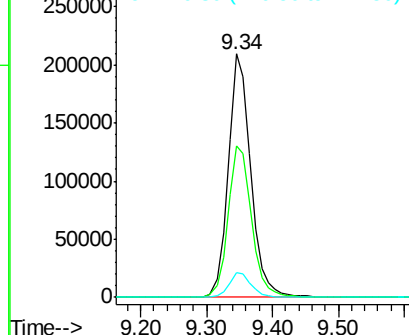
83 100

85 62.0 53.0 79.4

127 10.2 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: 44.705 ug/l

RT: 9.09 min Scan# 779

Delta R.T. -0.01 min

Lab File: VD061365.D

Acq: 27 Mar 2019 21:10

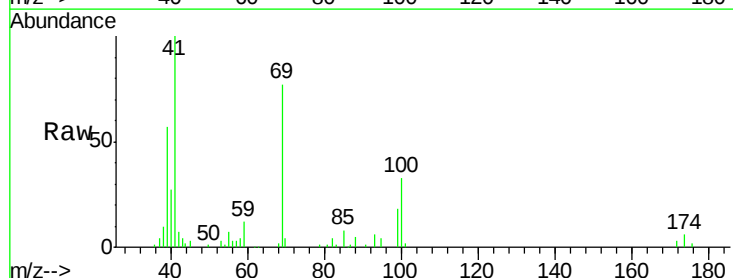
Tgt Ion: 41 Resp: 163046

Ion Ratio Lower Upper

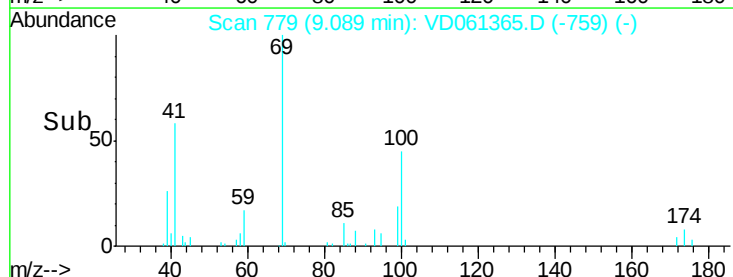
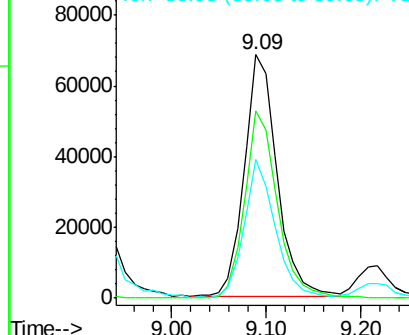
41 100

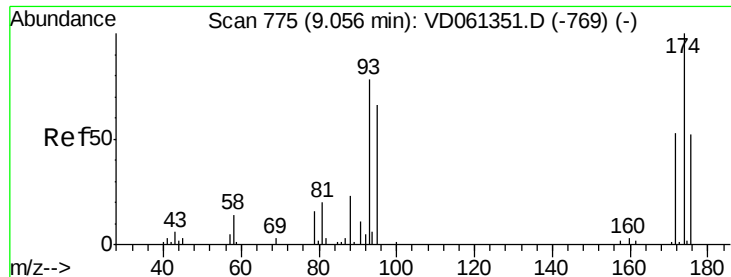
69 76.7 60.2 90.4

39 56.9 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

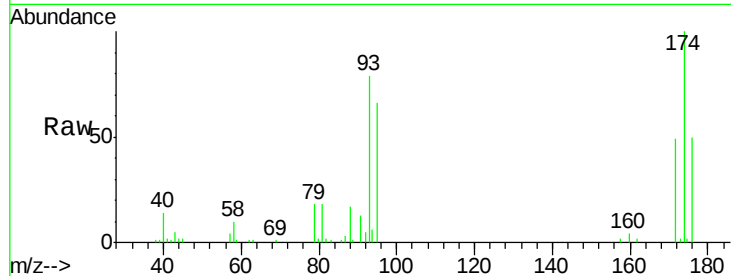




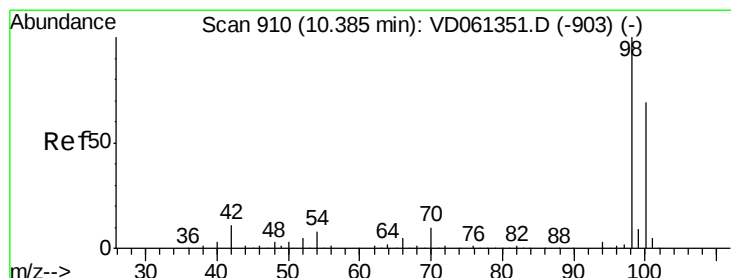
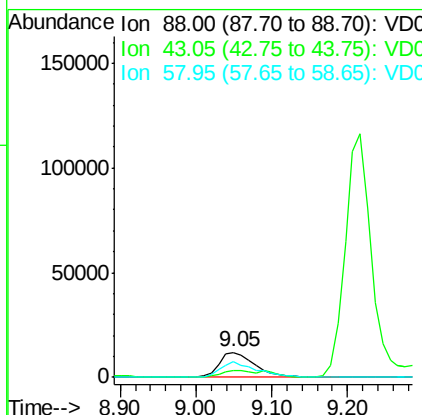
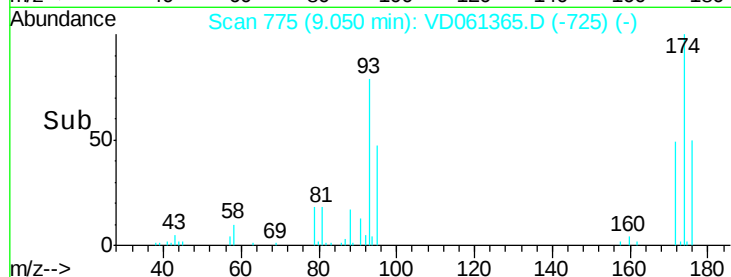
#49
1,4-Dioxane
Concen: 970.278 ug/l
RT: 9.05 min Scan# 775
Delta R.T. -0.01 min
Lab File: VD061365.D
Acq: 27 Mar 2019 21:10

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 88 Resp: 39032
Ion Ratio Lower Upper
88 100
43 27.4 23.3 34.9
58 60.0 50.8 76.2

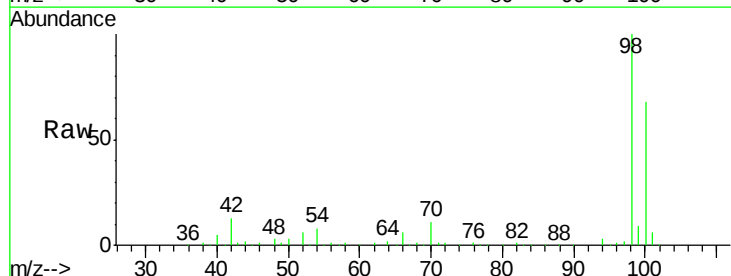


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 57.95 (57.65 to 58.65): VDC

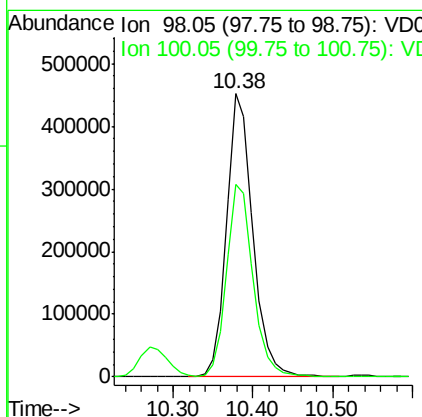
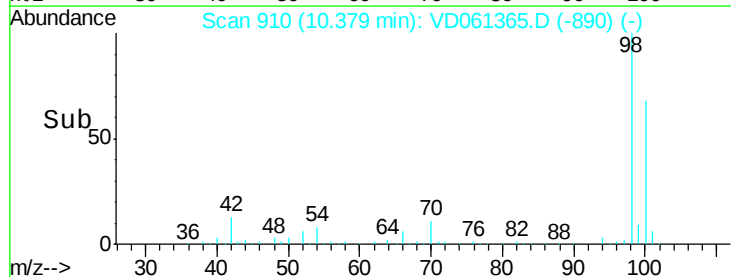


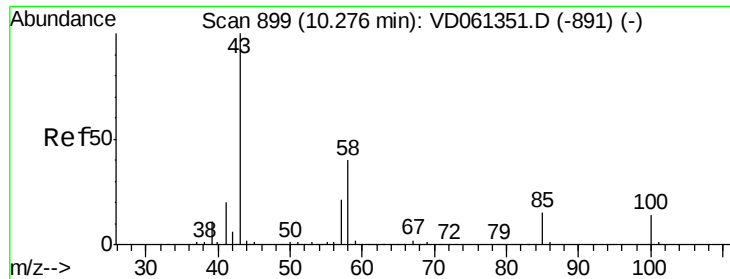
#50
Toluene-d8
Concen: 970.278 ug/l
RT: 10.38 min Scan# 910
Delta R.T. -0.01 min
Lab File: VD061365.D
Acq: 27 Mar 2019 21:10

Tgt Ion: 98 Resp: 1045639
Ion Ratio Lower Upper
98 100
100 68.2 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: 233.124 ug/l

RT: 10.27 min Scan# 899

Delta R.T. -0.01 min

Lab File: VD061365.D

Acq: 27 Mar 2019 21:10

Instrument :

MSVOA_D

ClientSampleId :

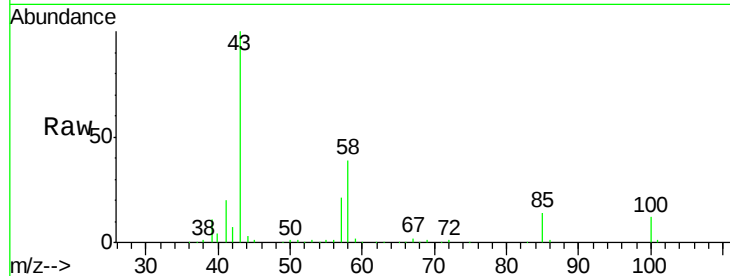
VSTDCCC050EC

Tot Ion: 43 Resp: 937286

Ion Ratio Lower Upper

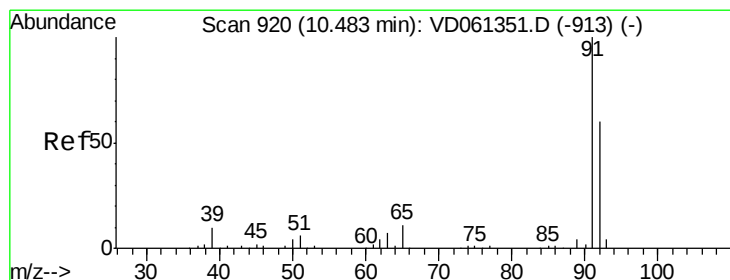
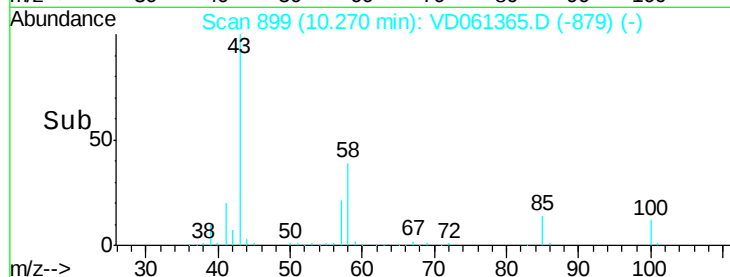
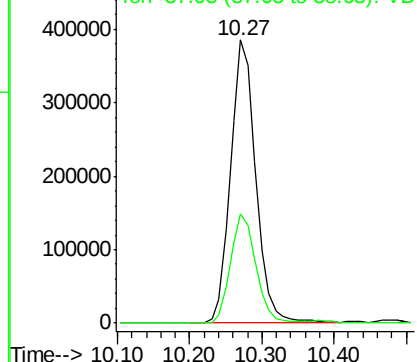
43 100

58 38.6 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: 47.955 ug/l

RT: 10.49 min Scan# 921

Delta R.T. 0.00 min

Lab File: VD061365.D

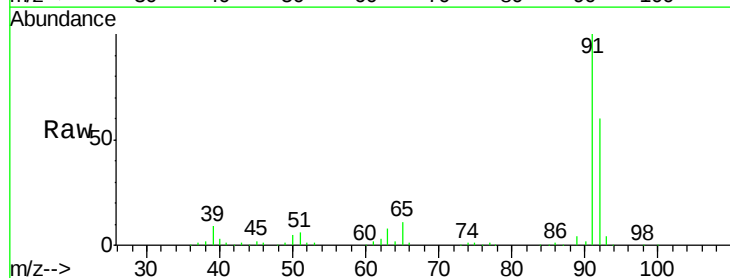
Acq: 27 Mar 2019 21:10

Tgt Ion: 92 Resp: 779781

Ion Ratio Lower Upper

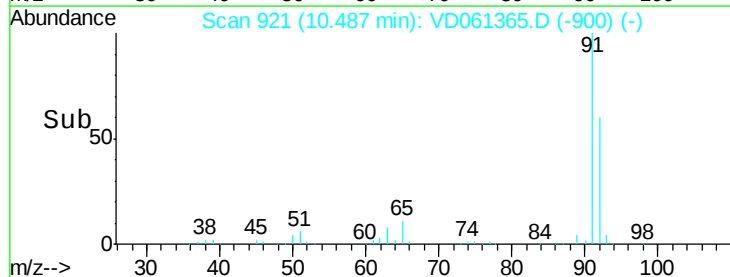
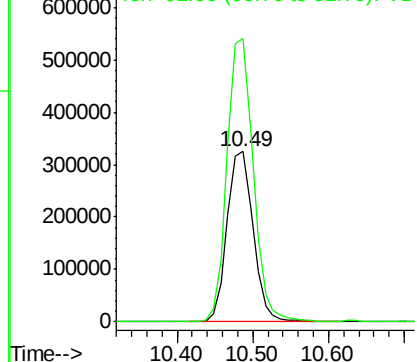
92 100

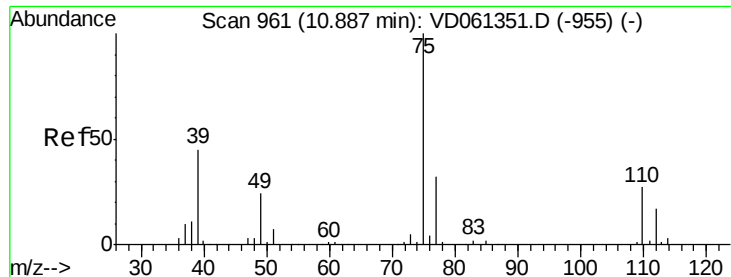
91 166.3 133.3 199.9



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

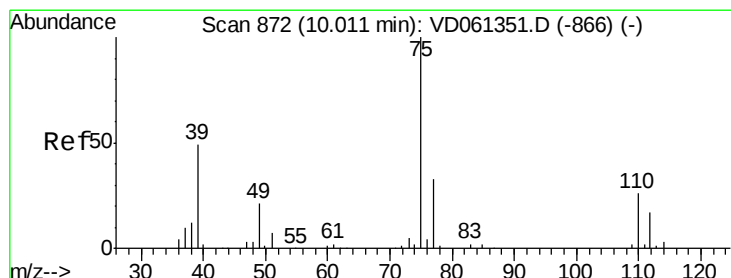
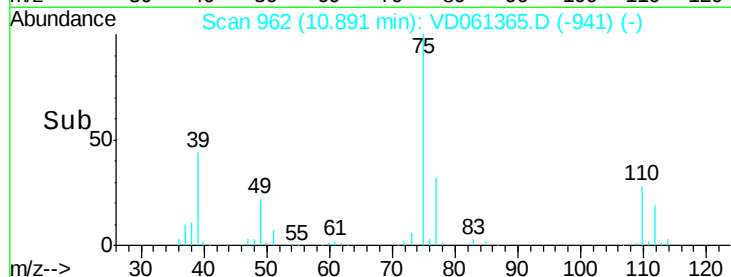
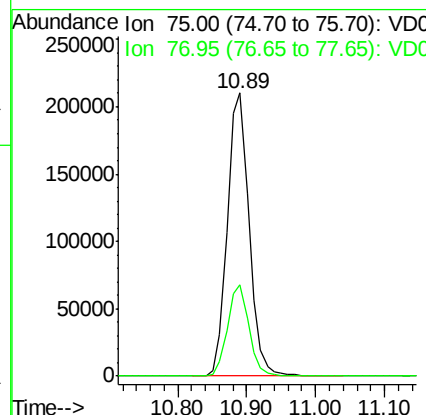
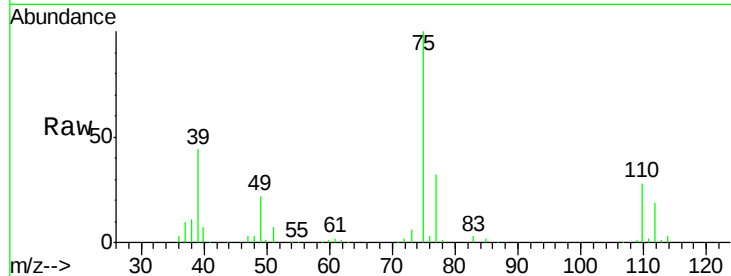




#53
 t-1,3-Dichloropropene
 Concen: 49.466 ug/l
 RT: 10.89 min Scan# 962
 Delta R.T. 0.00 min
 Lab File: VD061365.D
 Acq: 27 Mar 2019 21:10

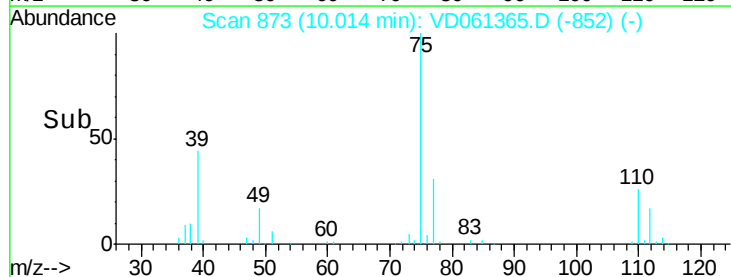
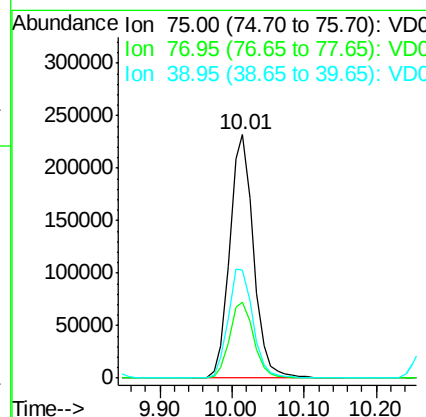
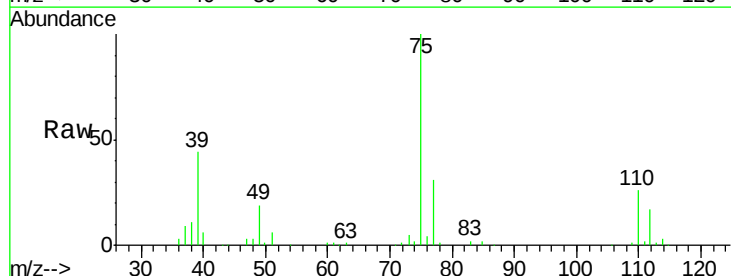
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

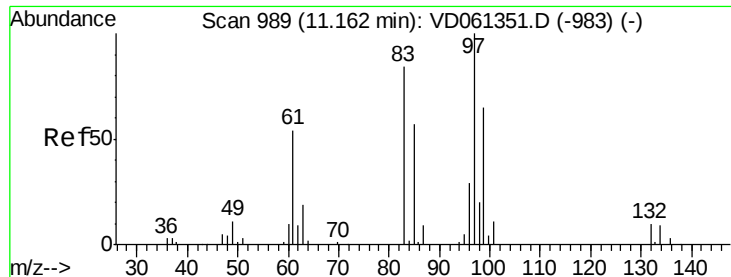
Tot Ion: 75 Resp: 458861
 Ion Ratio Lower Upper
 75 100
 77 32.4 25.4 38.2



#54
 cis-1,3-Dichloropropene
 Concen: 47.079 ug/l
 RT: 10.01 min Scan# 873
 Delta R.T. 0.00 min
 Lab File: VD061365.D
 Acq: 27 Mar 2019 21:10

Tgt Ion: 75 Resp: 531781
 Ion Ratio Lower Upper
 75 100
 77 31.4 26.2 39.4
 39 44.3 39.4 59.0

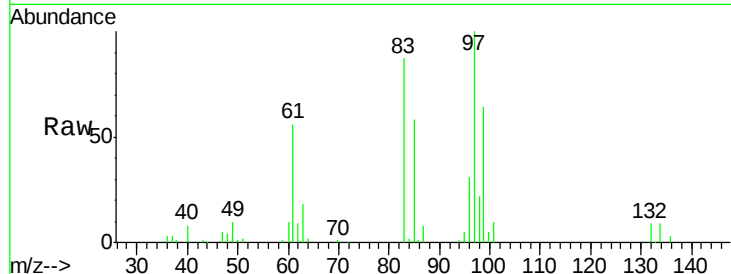




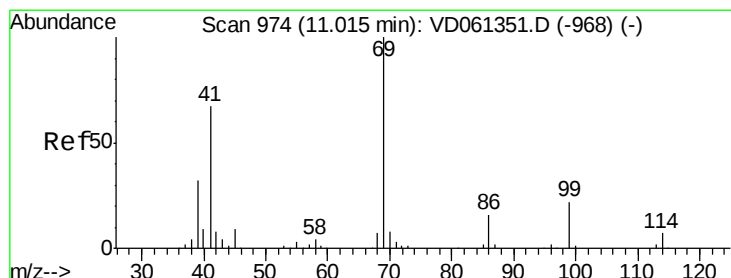
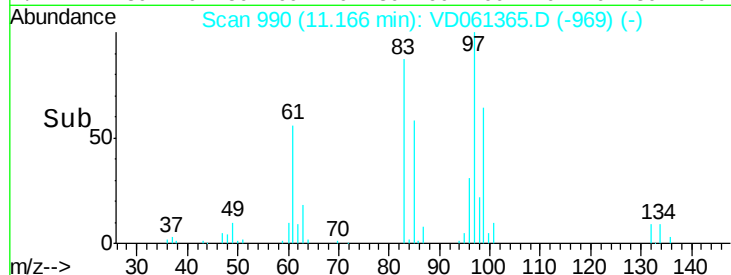
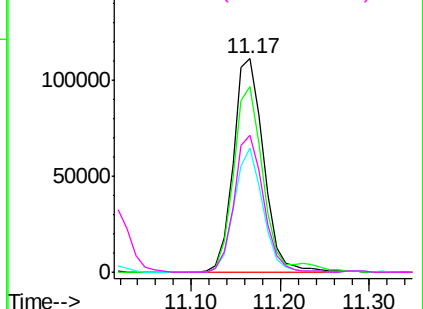
#55
 1,1,2-Trichloroethane
 Concen: 46.197 ug/l
 RT: 11.17 min Scan# 990
 Delta R.T. 0.00 min
 Lab File: VD061365.D
 Acq: 27 Mar 2019 21:10

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:	97	Resp:	262706
Ion	Ratio	Lower	Upper
97	100		
83	87.0	67.0	100.6
85	58.3	45.4	68.2
99	63.9	51.9	77.9

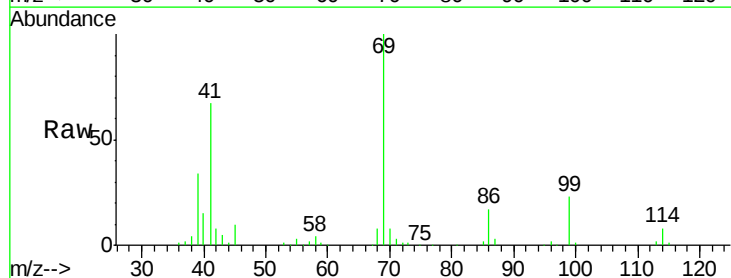


Abundance Ion 96.85 (96.55 to 97.55): VDC
 Ion 82.95 (82.65 to 83.65): VDC
 Ion 84.95 (84.65 to 85.65): VDC
 Ion 98.85 (98.55 to 99.55): VDC

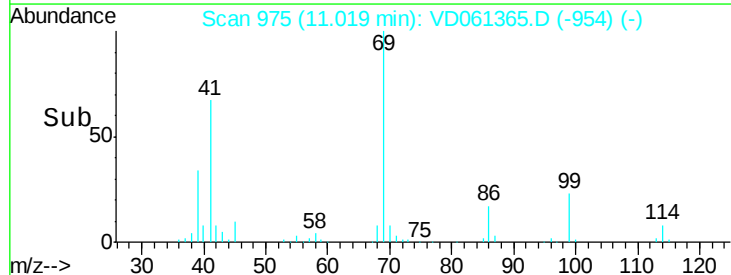
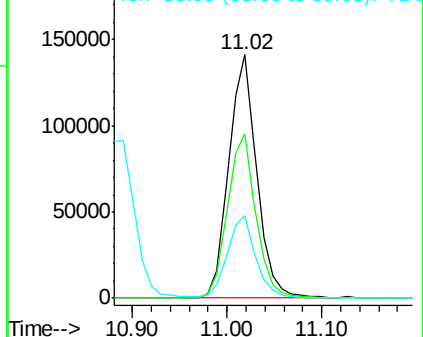


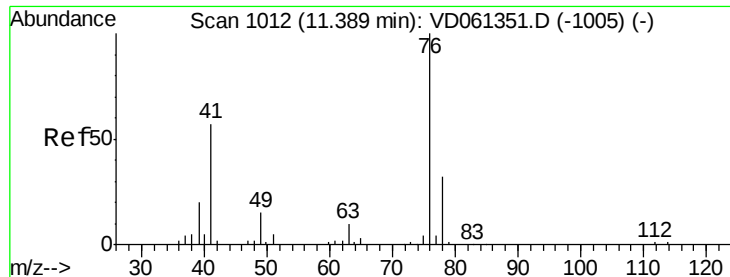
#56
 Ethyl methacrylate
 Concen: 47.206 ug/l
 RT: 11.02 min Scan# 975
 Delta R.T. 0.00 min
 Lab File: VD061365.D
 Acq: 27 Mar 2019 21:10

Tgt Ion:	69	Resp:	288386
Ion	Ratio	Lower	Upper
69	100		
41	67.4	53.8	80.6
39	34.0	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

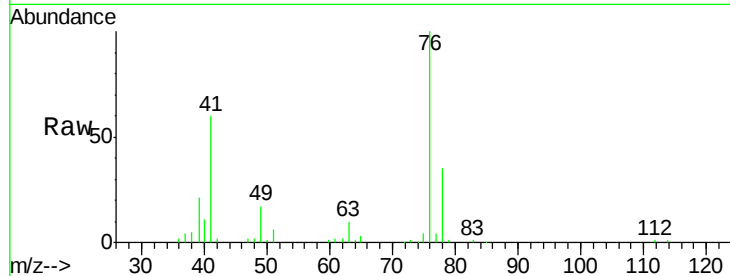




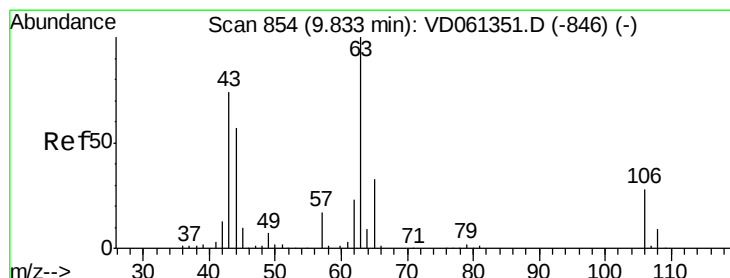
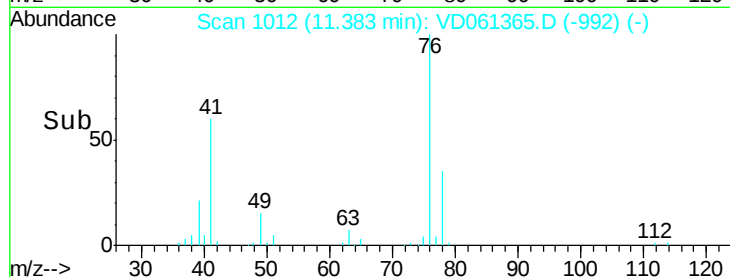
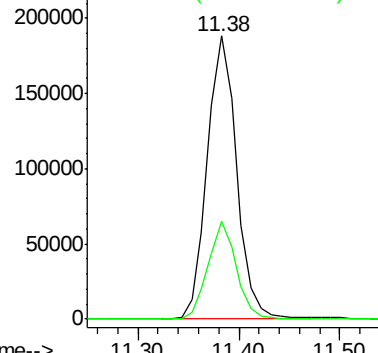
#57
 1,3-Dichloropropane
 Concen: 45.855 ug/l
 RT: 11.38 min Scan# 1012
 Delta R.T. -0.01 min
 Lab File: VD061365.D
 Acq: 27 Mar 2019 21:10

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 76 Resp: 383278
 Ion Ratio Lower Upper
 76 100
 78 34.6 25.4 38.0

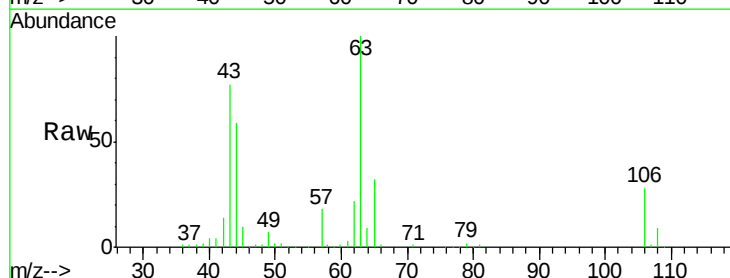


Abundance Ion 75.95 (75.65 to 76.65): VDC
 Ion 77.95 (77.65 to 78.65): VDC

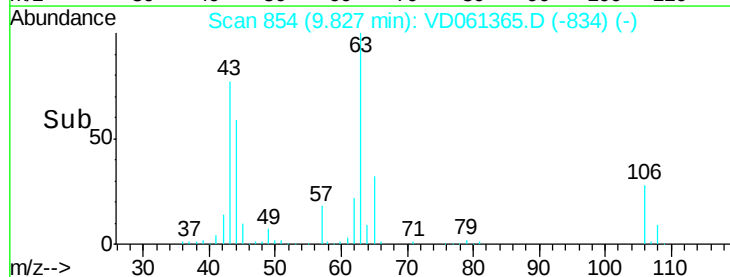
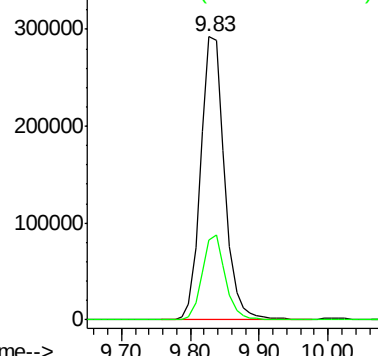


#58
 2-Chloroethyl Vinyl ether
 Concen: 235.491 ug/l
 RT: 9.83 min Scan# 854
 Delta R.T. -0.01 min
 Lab File: VD061365.D
 Acq: 27 Mar 2019 21:10

Tgt Ion: 63 Resp: 700604
 Ion Ratio Lower Upper
 63 100
 106 28.2 22.4 33.6



Abundance Ion 62.95 (62.65 to 63.65): VDC
 Ion 105.95 (105.65 to 106.65): V

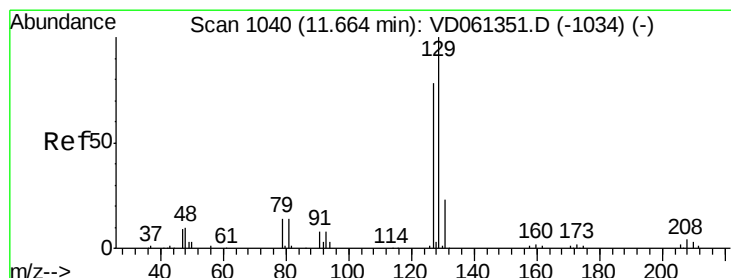
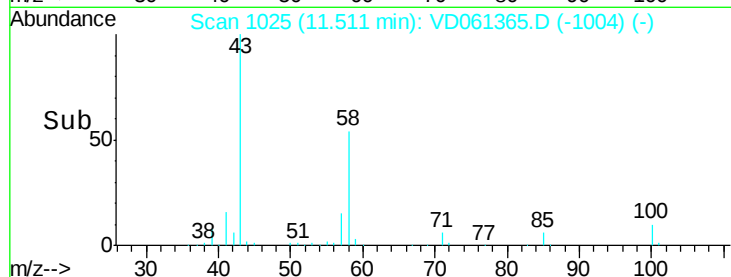
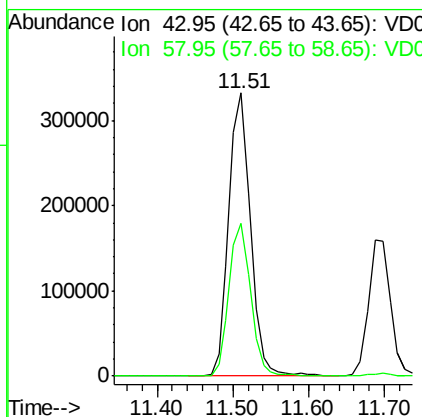
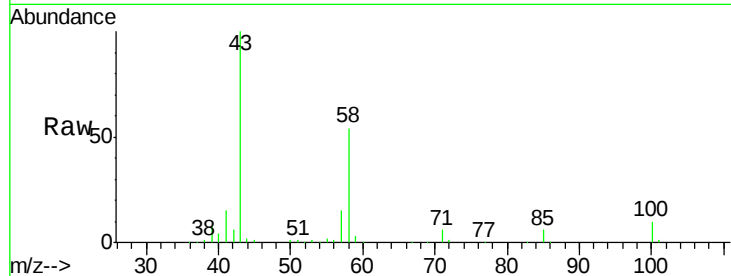




#59
2-Hexanone
Concen: 226.788 ug/l
RT: 11.51 min Scan# 1025
Delta R.T. 0.00 min
Lab File: VD061365.D
Acq: 27 Mar 2019 21:10

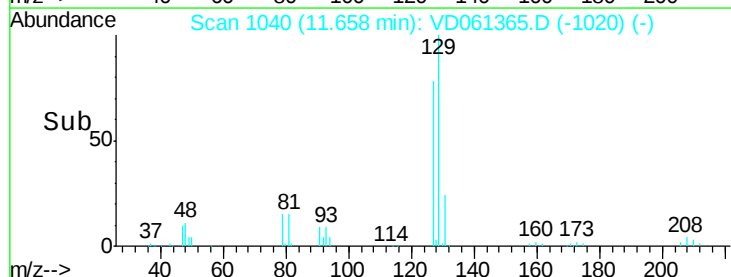
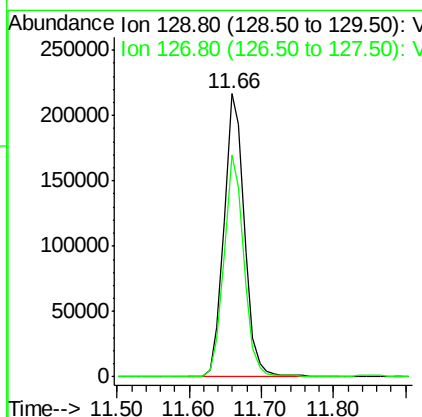
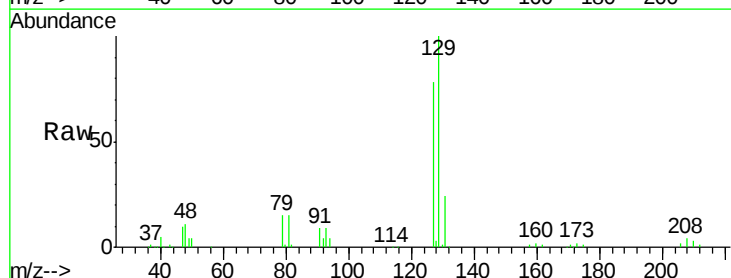
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 660635
Ion Ratio Lower Upper
43 100
58 54.0 26.3 78.9



#60
Dibromochloromethane
Concen: 48.511 ug/l
RT: 11.66 min Scan# 1040
Delta R.T. -0.01 min
Lab File: VD061365.D
Acq: 27 Mar 2019 21:10

Tgt Ion: 129 Resp: 425285
Ion Ratio Lower Upper
129 100
127 78.3 39.0 116.9

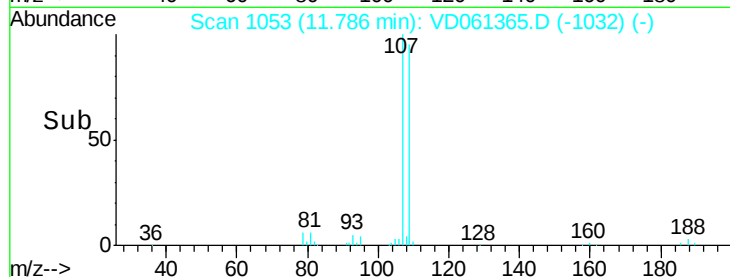
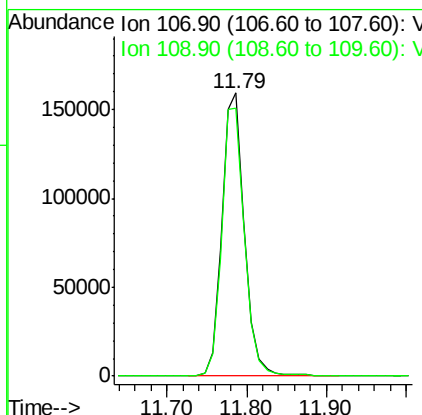
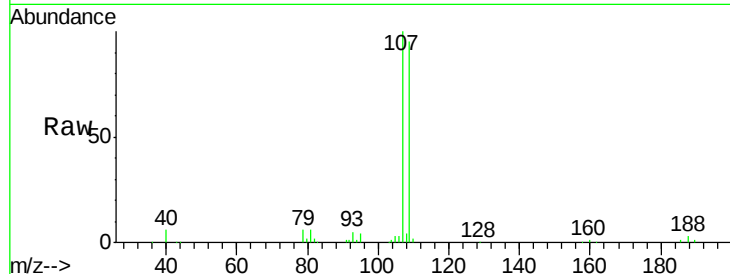




#61
 1,2-Dibromoethane
 Concen: 47.835 ug/l
 RT: 11.79 min Scan# 1053
 Delta R.T. 0.00 min
 Lab File: VD061365.D
 Acq: 27 Mar 2019 21:10

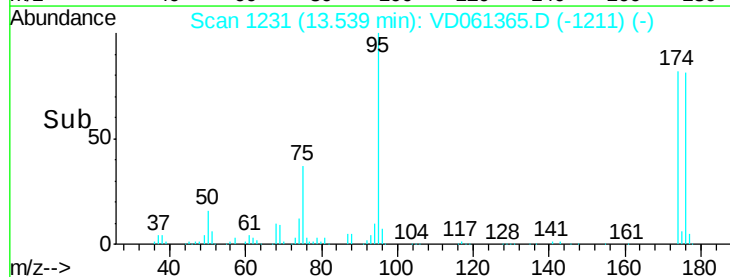
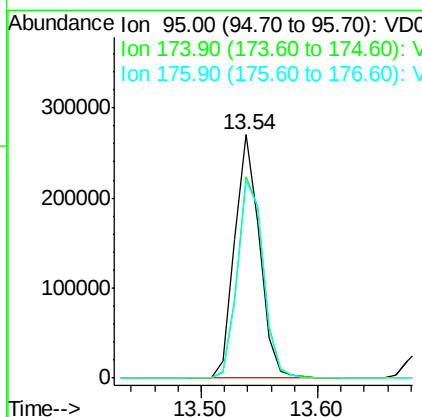
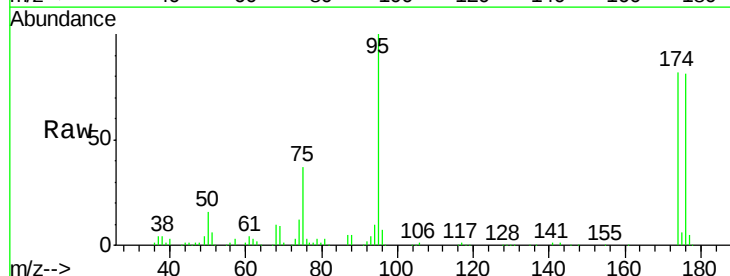
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

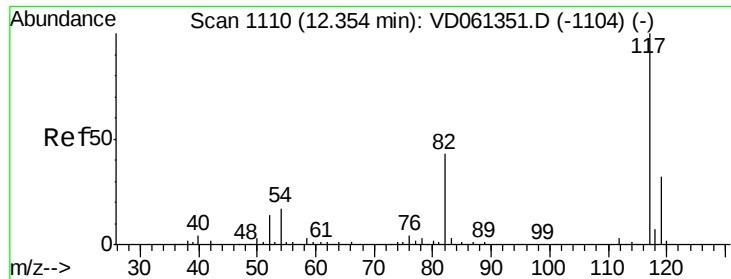
Tot Ion: 107 Resp: 314990
 Ion Ratio Lower Upper
 107 100
 109 94.7 76.6 114.8



#62
 4-Bromofluorobenzene
 Concen: 47.835 ug/l
 RT: 13.54 min Scan# 1231
 Delta R.T. -0.01 min
 Lab File: VD061365.D
 Acq: 27 Mar 2019 21:10

Tgt Ion: 95 Resp: 398567
 Ion Ratio Lower Upper
 95 100
 174 82.5 0.0 178.0
 176 81.2 0.0 175.0

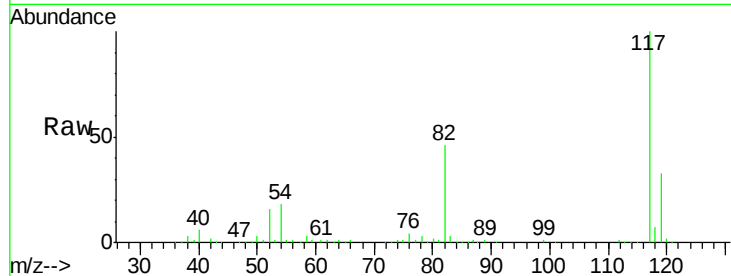




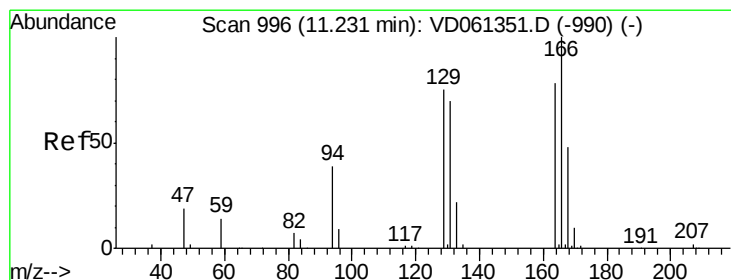
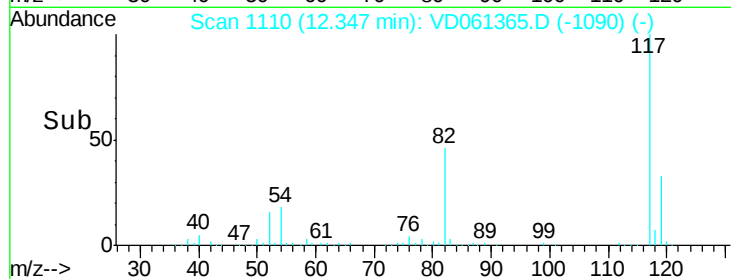
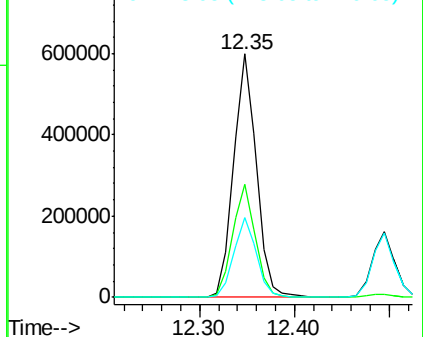
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.35 min Scan# 1110
Delta R.T. -0.01 min
Lab File: VD061365.D
Acq: 27 Mar 2019 21:10

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion:117 Resp: 998319
Ion Ratio Lower Upper
117 100
82 46.4 34.4 51.6
119 32.5 25.8 38.6

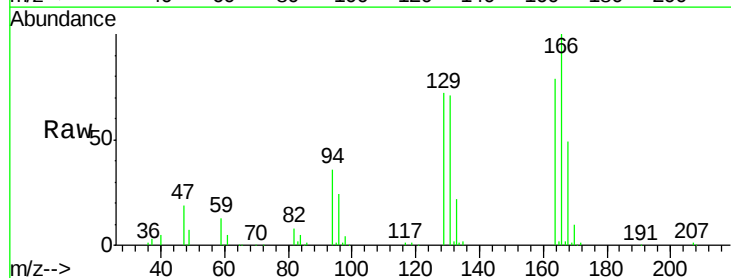


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

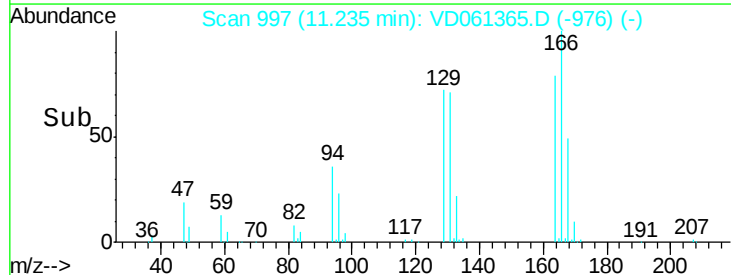
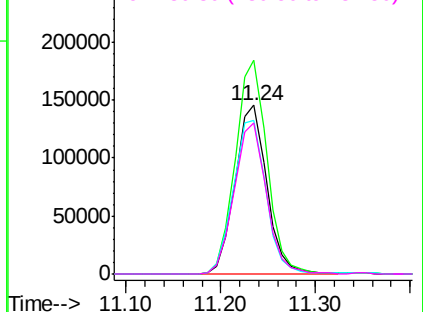


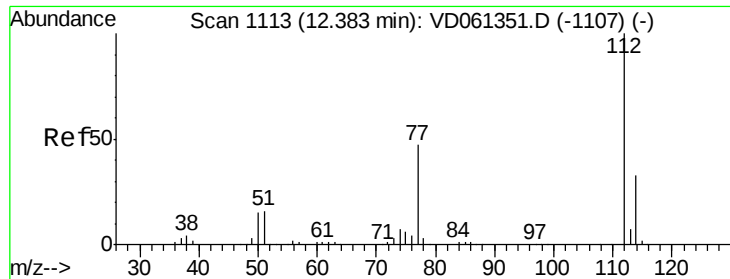
#64
Tetrachloroethene
Concen: 43.090 ug/l
RT: 11.24 min Scan# 997
Delta R.T. 0.00 min
Lab File: VD061365.D
Acq: 27 Mar 2019 21:10

Tgt Ion:164 Resp: 337613
Ion Ratio Lower Upper
164 100
166 126.8 102.4 153.6
129 91.3 76.8 115.2
131 89.8 71.8 107.6



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

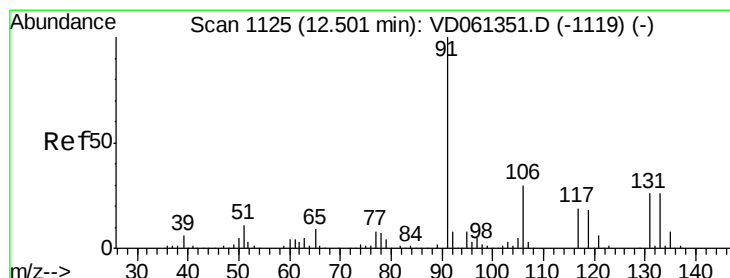
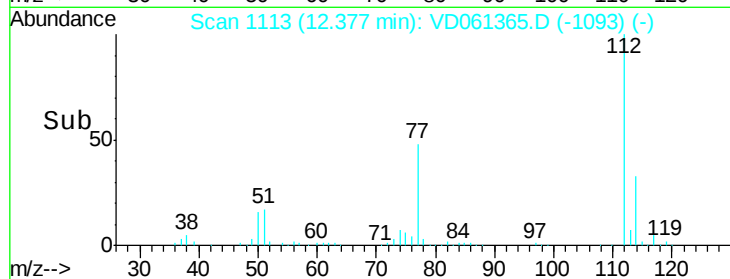
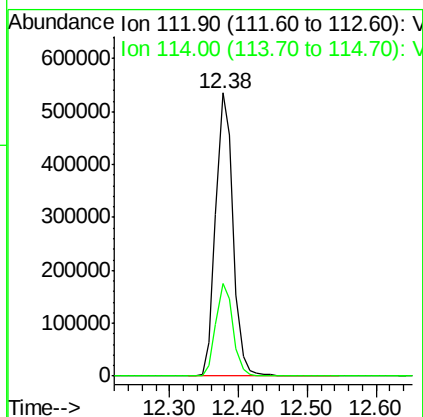
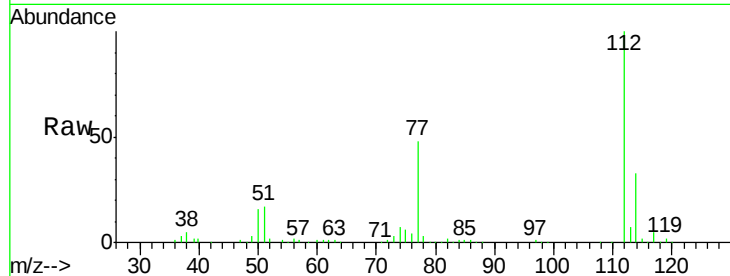




#65
Chlorobenzene
Concen: 45.870 ug/l
RT: 12.38 min Scan# 1113
Delta R.T. -0.01 min
Lab File: VD061365.D
Acq: 27 Mar 2019 21:10

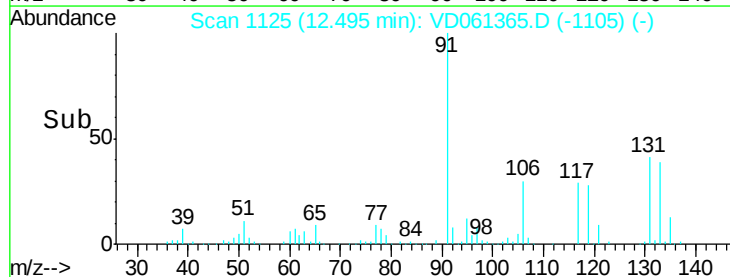
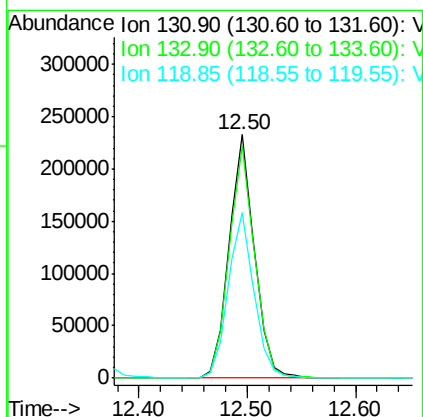
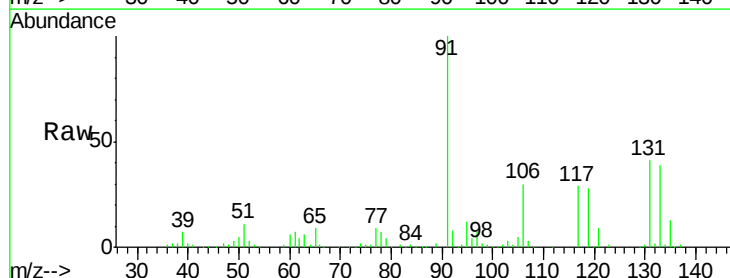
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion:112 Resp: 935844
Ion Ratio Lower Upper
112 100
114 32.8 26.6 39.8



#66
1,1,1,2-Tetrachloroethane
Concen: 48.026 ug/l
RT: 12.50 min Scan# 1125
Delta R.T. -0.01 min
Lab File: VD061365.D
Acq: 27 Mar 2019 21:10

Tgt Ion:131 Resp: 379384
Ion Ratio Lower Upper
131 100
133 95.2 49.4 148.2
119 67.9 34.1 102.2

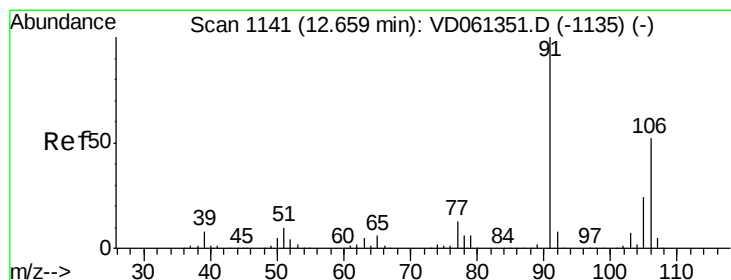
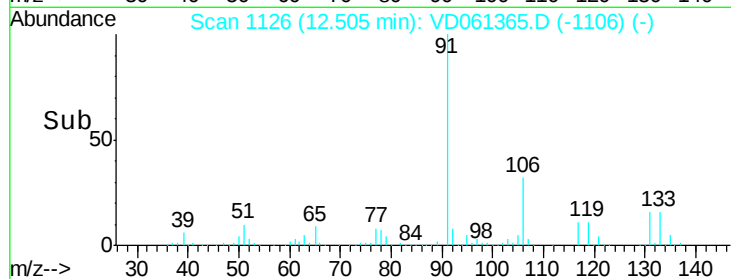
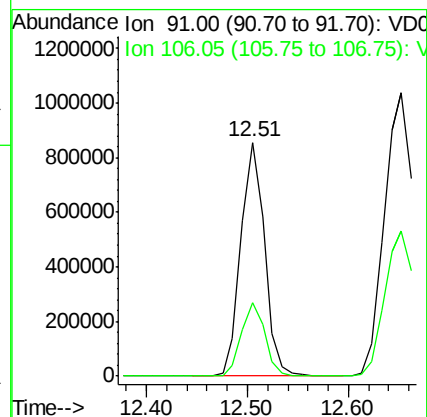
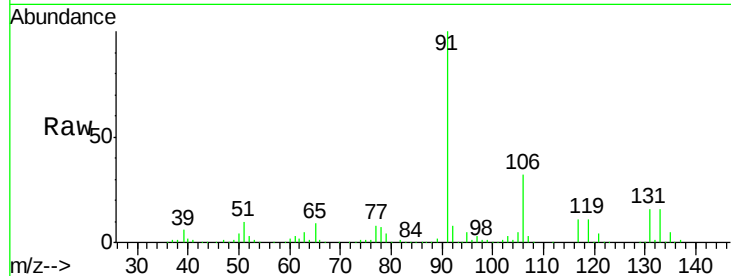




#67
Ethyl Benzene
Concen: 45.122 ug/l
RT: 12.51 min Scan# 1126
Delta R.T. -0.01 min
Lab File: VD061365.D
Acq: 27 Mar 2019 21:10

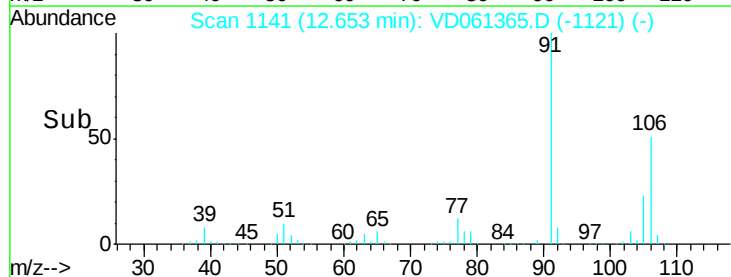
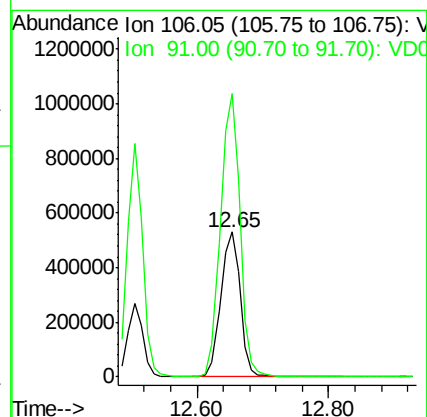
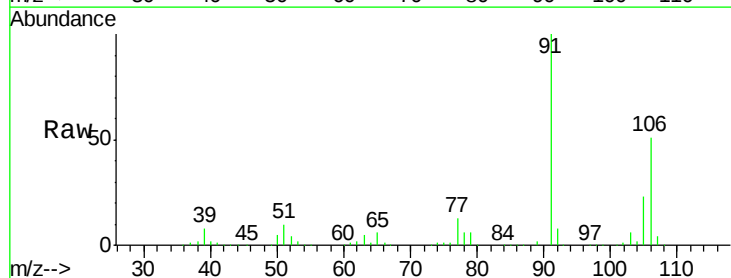
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 1405154
Ion Ratio Lower Upper
91 100
106 31.7 26.1 39.1



#68
m/p-Xylenes
Concen: 91.628 ug/l
RT: 12.65 min Scan# 1141
Delta R.T. -0.01 min
Lab File: VD061365.D
Acq: 27 Mar 2019 21:10

Tgt Ion: 106 Resp: 1080896
Ion Ratio Lower Upper
106 100
91 195.4 153.1 229.7

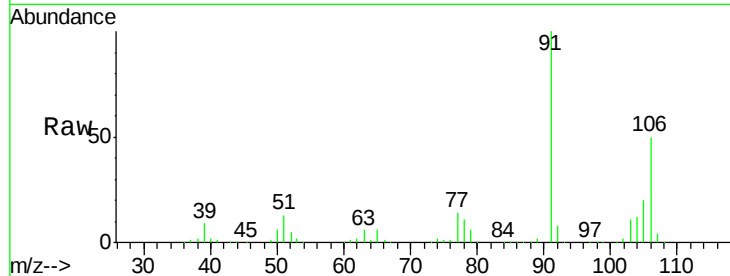




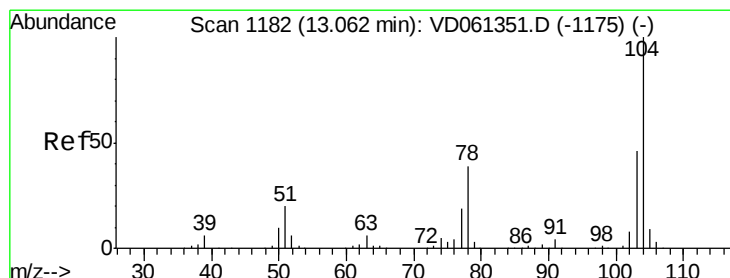
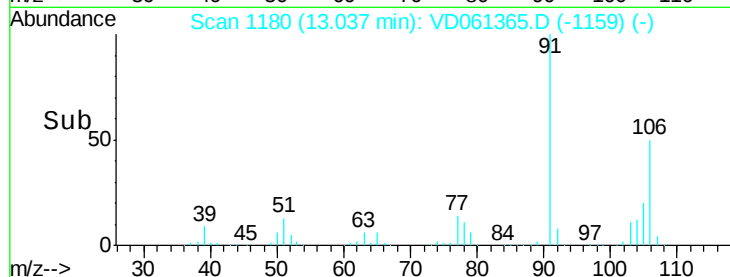
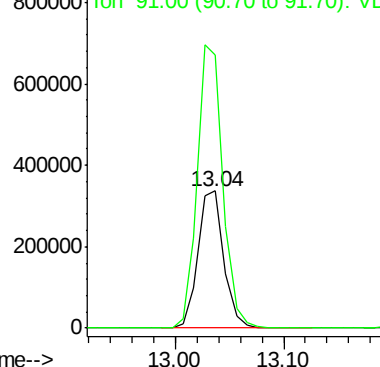
#69
o-Xylene
Concen: 48.757 ug/l
RT: 13.04 min Scan# 1180
Delta R.T. 0.00 min
Lab File: VD061365.D
Acq: 27 Mar 2019 21:10

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion:106 Resp: 558146
Ion Ratio Lower Upper
106 100
91 198.7 103.8 311.3

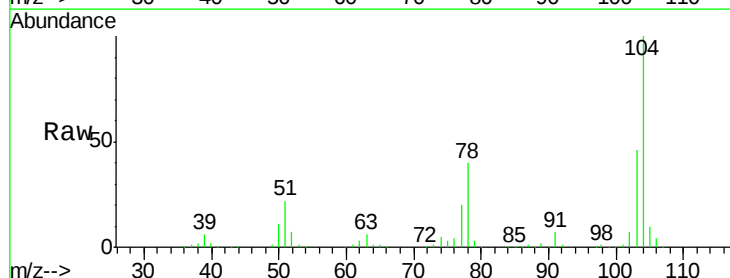


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): V

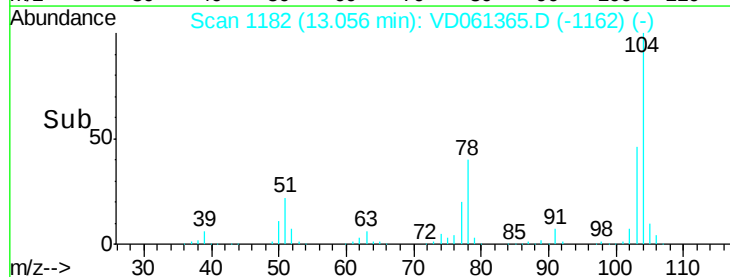
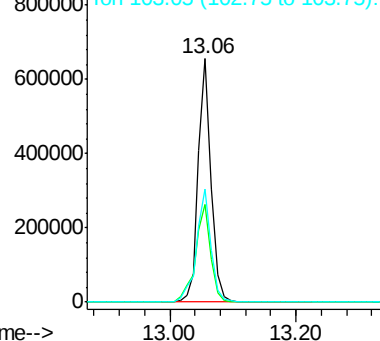


#70
Styrene
Concen: 46.413 ug/l
RT: 13.06 min Scan# 1182
Delta R.T. -0.01 min
Lab File: VD061365.D
Acq: 27 Mar 2019 21:10

Tgt Ion:104 Resp: 926198
Ion Ratio Lower Upper
104 100
78 40.3 31.0 46.6
103 46.3 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

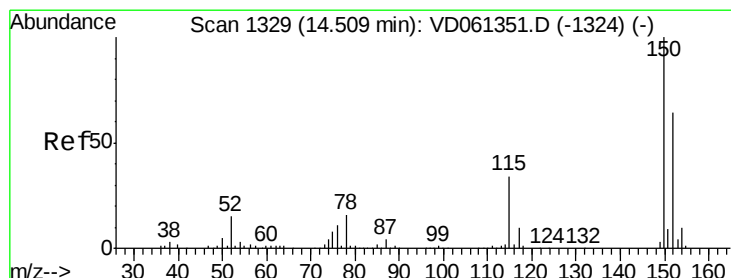
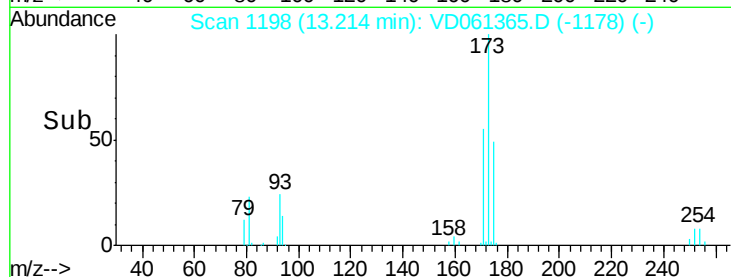
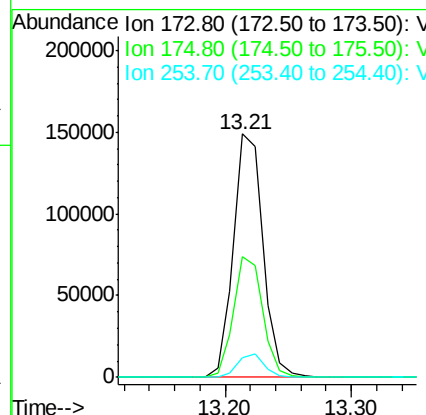
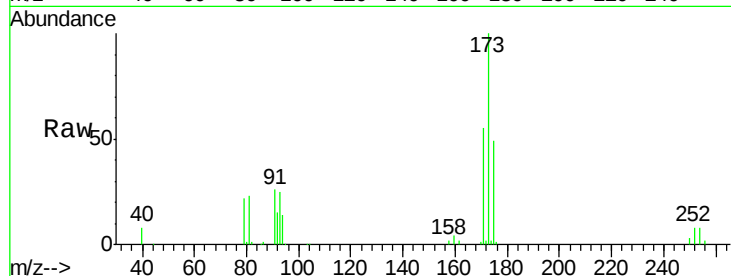




#71
Bromoform
Concen: 47.788 ug/l
RT: 13.21 min Scan# 1198
Delta R.T. -0.01 min
Lab File: VD061365.D
Acq: 27 Mar 2019 21:10

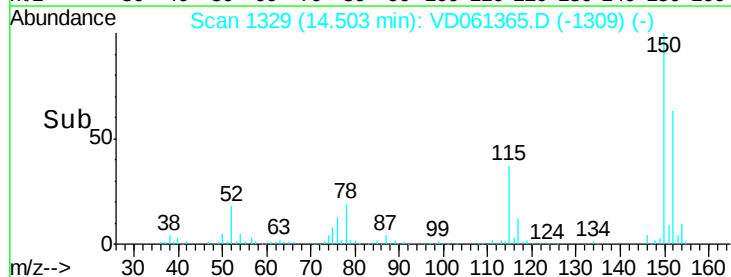
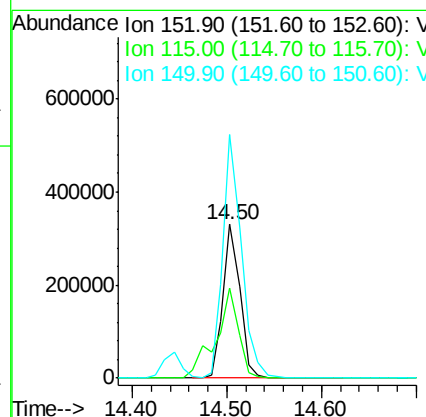
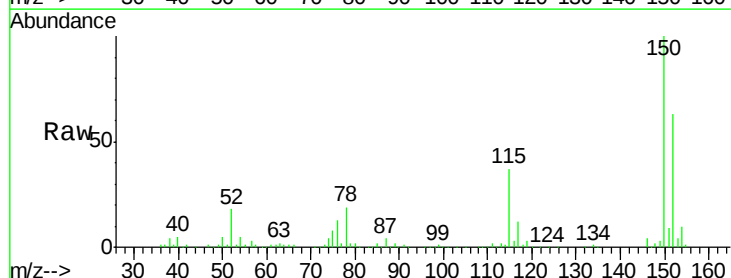
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion:173 Resp: 239305
Ion Ratio Lower Upper
173 100
175 49.4 24.6 73.8
254 7.8 6.6 10.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.50 min Scan# 1329
Delta R.T. -0.01 min
Lab File: VD061365.D
Acq: 27 Mar 2019 21:10

Tgt Ion:152 Resp: 412538
Ion Ratio Lower Upper
152 100
115 58.6 26.9 80.6
150 158.1 0.0 318.0





#73

Isopropylbenzene

Concen: 46.609 ug/l

RT: 13.39 min Scan# 1216

Delta R.T. 0.00 min

Lab File: VD061365.D

Acq: 27 Mar 2019 21:10

Instrument :

MSVOA_D

ClientSampleId :

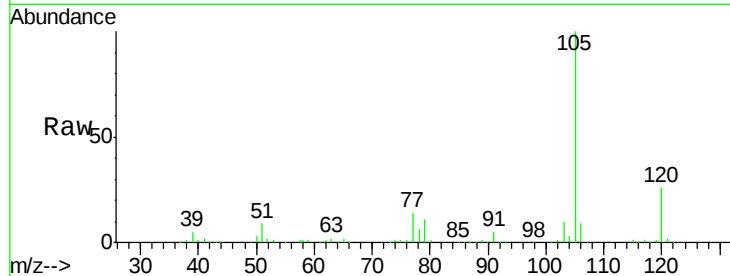
VSTDCCC050EC

Tot Ion:105 Resp: 1338235

Ion Ratio Lower Upper

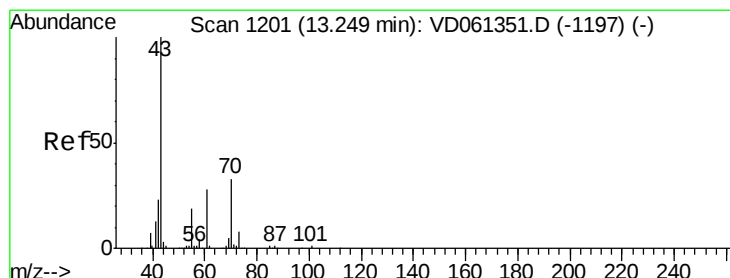
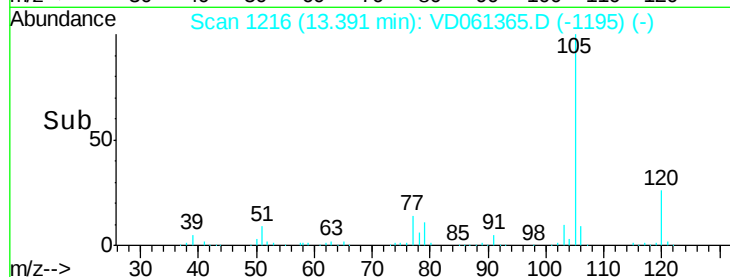
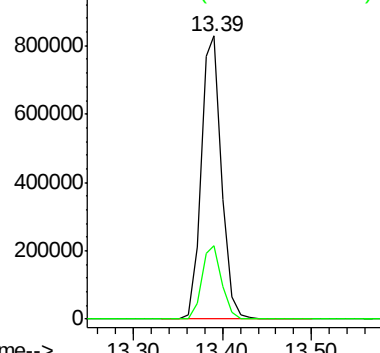
105 100

120 25.8 12.8 38.3



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#74

N-ethyl acetate

Concen: 49.333 ug/l

RT: 13.25 min Scan# 1202

Delta R.T. 0.00 min

Lab File: VD061365.D

Acq: 27 Mar 2019 21:10

Tgt Ion: 43 Resp: 394586

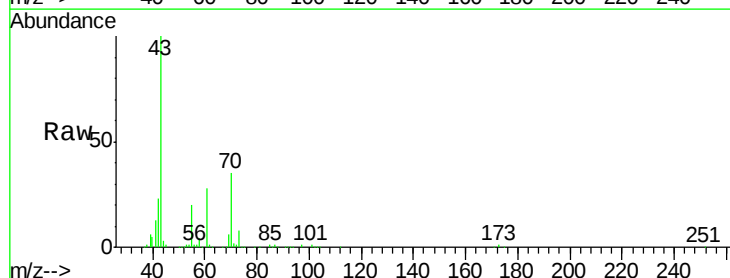
Ion Ratio Lower Upper

43 100

70 35.1 26.6 40.0

55 19.7 15.4 23.2

61 28.1 22.2 33.4

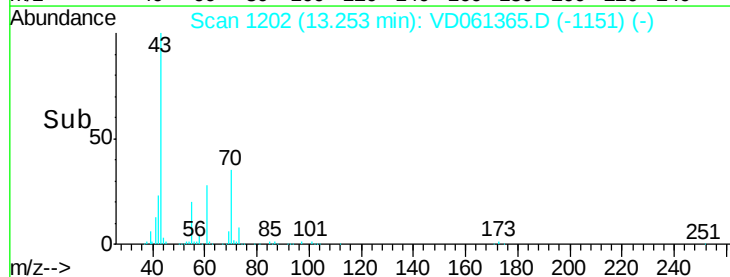
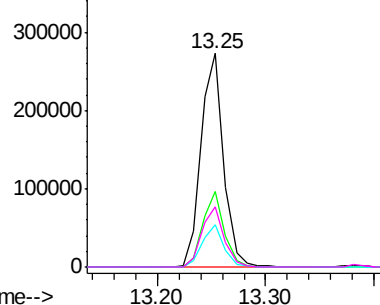


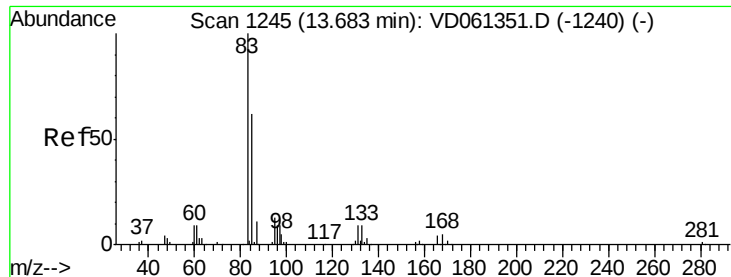
Abundance Ion 42.95 (42.65 to 43.65): VDC

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





#75

1,1,2,2-Tetrachloroethane

Concen: 50.257 ug/l

RT: 13.69 min Scan# 1246

Delta R.T. 0.00 min

Lab File: VD061365.D

Acq: 27 Mar 2019 21:10

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

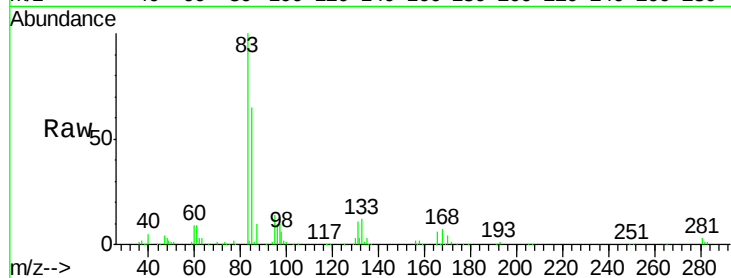
Tot Ion: 83 Resp: 304399

Ion	Ratio	Lower	Upper
83	100		
131	11.2	4.3	13.1
85	64.7	31.2	93.6

83 100

131 11.2 4.3 13.1

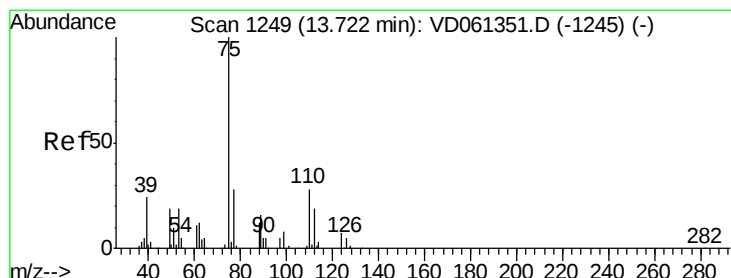
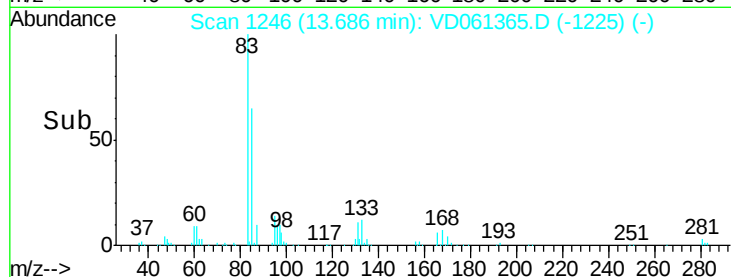
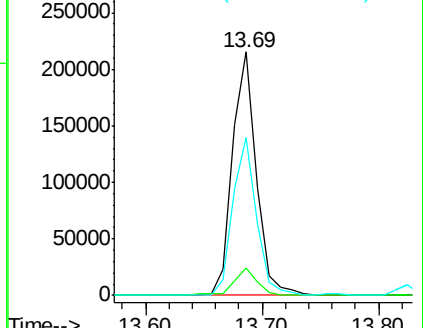
85 64.7 31.2 93.6



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: 50.760 ug/l

RT: 13.72 min Scan# 1249

Delta R.T. -0.01 min

Lab File: VD061365.D

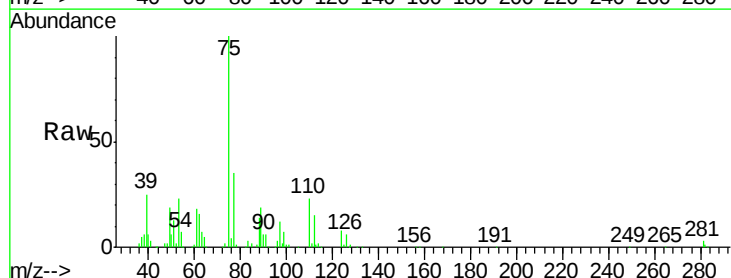
Acq: 27 Mar 2019 21:10

Tgt Ion: 75 Resp: 302490

Ion	Ratio	Lower	Upper
75	100		
77	34.9	16.2	48.5

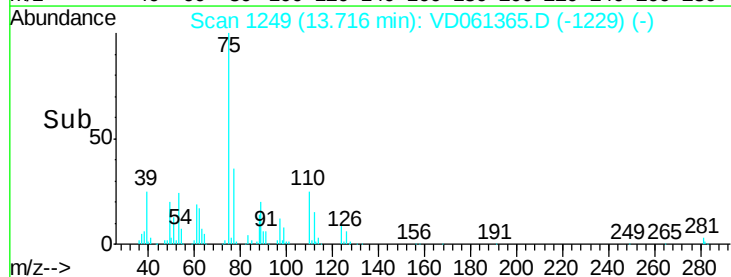
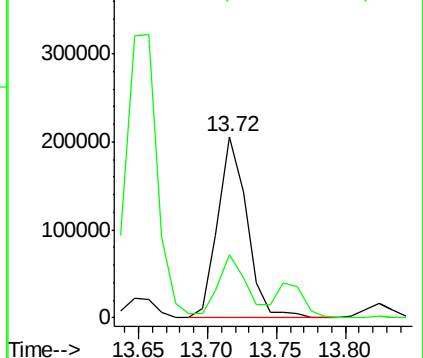
75 100

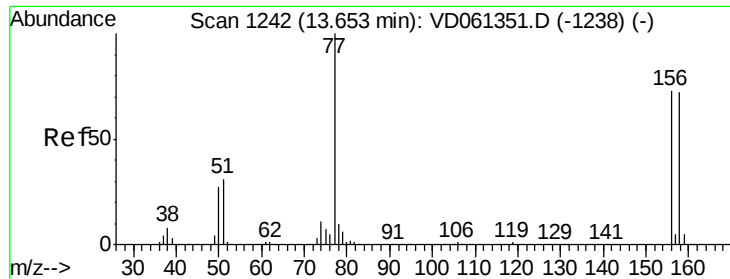
77 34.9 16.2 48.5



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 47.705 ug/l

RT: 13.66 min Scan# 1243

Delta R.T. 0.00 min

Lab File: VD061365.D

Acq: 27 Mar 2019 21:10

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

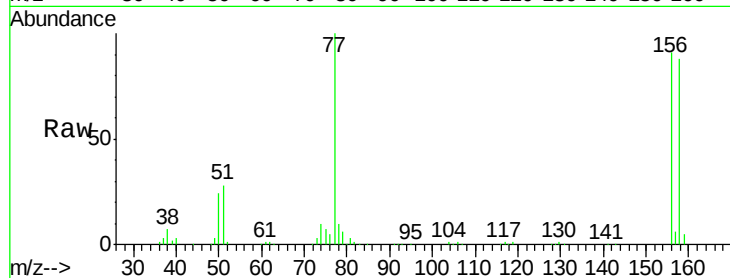
Tot Ion:156 Resp: 406060

Ion Ratio Lower Upper

156 100

77 109.4 68.5 205.6

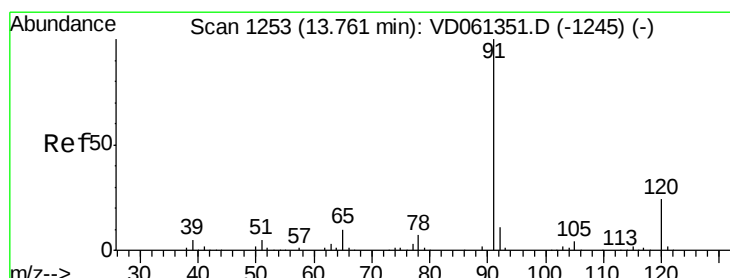
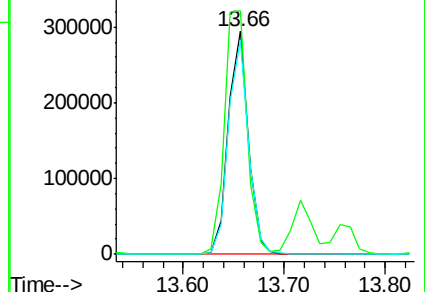
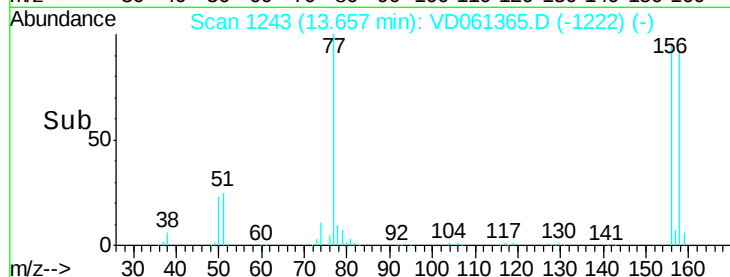
158 96.3 49.1 147.3



Abundance Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): VDC

Ion 157.85 (157.55 to 158.55): V



#78

n-propylbenzene

Concen: 46.802 ug/l

RT: 13.76 min Scan# 1253

Delta R.T. -0.01 min

Lab File: VD061365.D

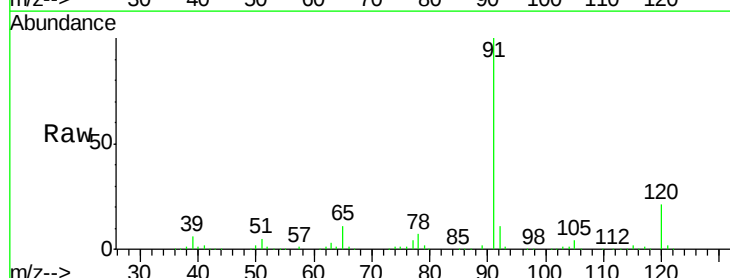
Acq: 27 Mar 2019 21:10

Tgt Ion: 91 Resp: 1644473

Ion Ratio Lower Upper

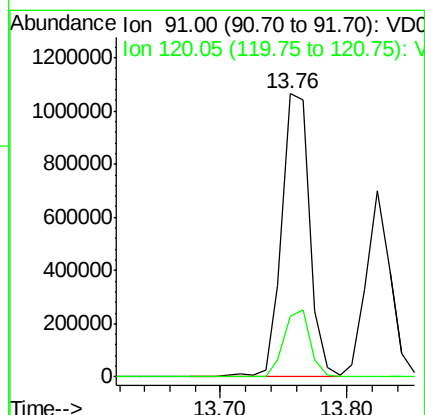
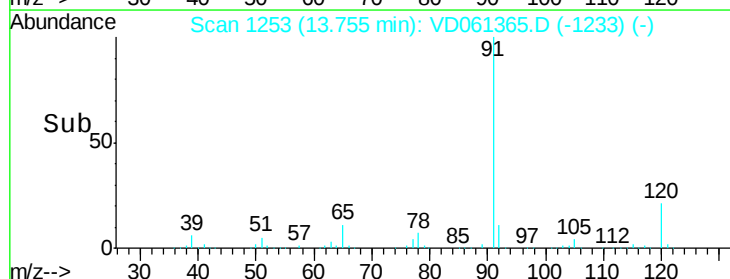
91 100

120 21.2 11.8 35.3



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.05 (119.75 to 120.75): V





#79

2-Chlorotoluene

Concen: 48.749 ug/l

RT: 13.82 min Scan# 1260

Delta R.T. -0.01 min

Lab File: VD061365.D

Acq: 27 Mar 2019 21:10

Instrument :

MSVOA_D

ClientSampleId :

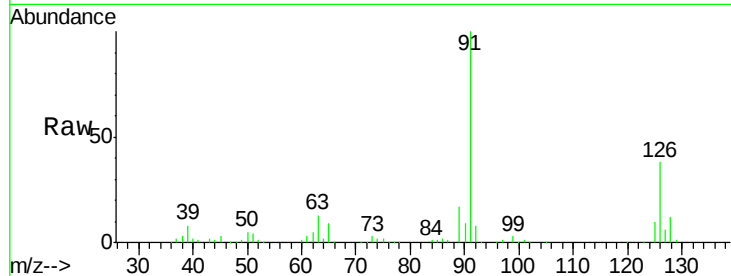
VSTDCCC050EC

Tot Ion: 91 Resp: 930057

Ion Ratio Lower Upper

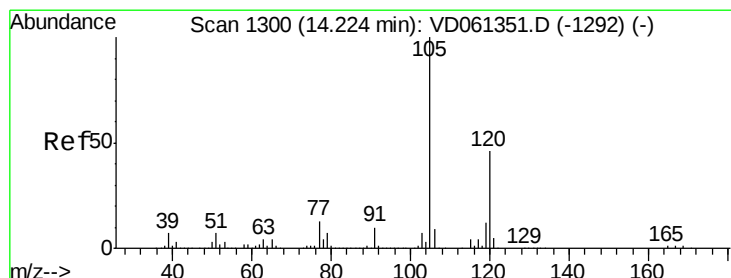
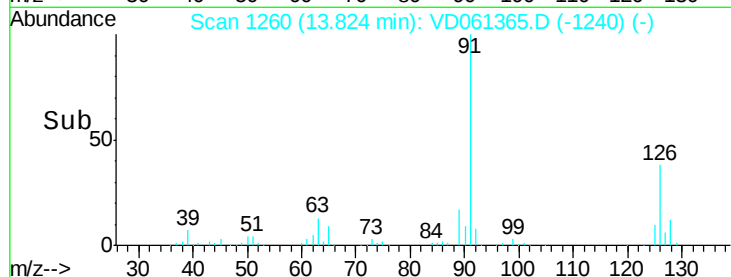
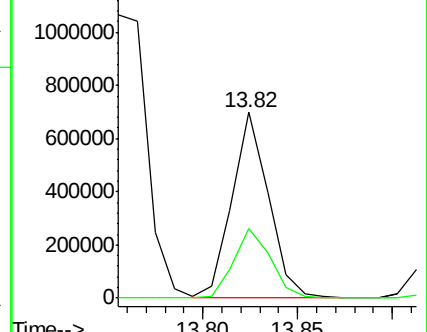
91 100

126 37.6 19.4 58.2



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 125.95 (125.65 to 126.65): V



#80

1,3,5-Trimethylbenzene

Concen: 49.121 ug/l

RT: 14.23 min Scan# 1301

Delta R.T. 0.00 min

Lab File: VD061365.D

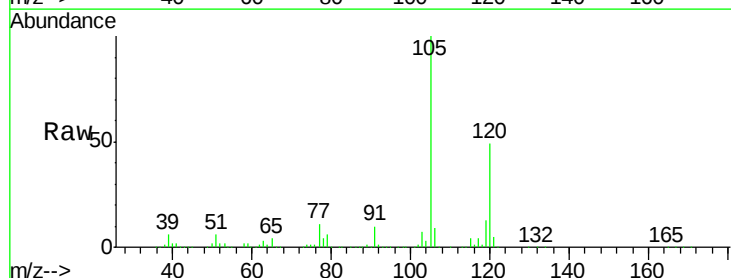
Acq: 27 Mar 2019 21:10

Tgt Ion:105 Resp: 1184700

Ion Ratio Lower Upper

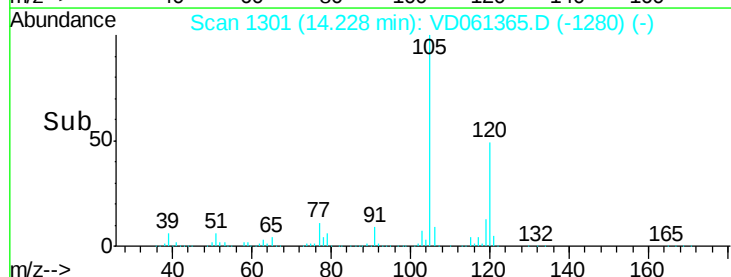
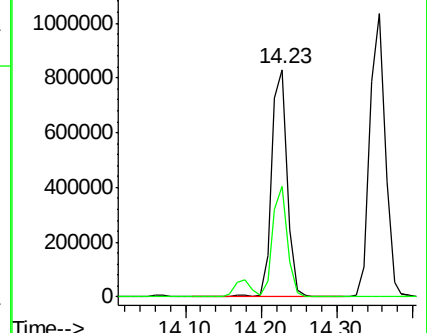
105 100

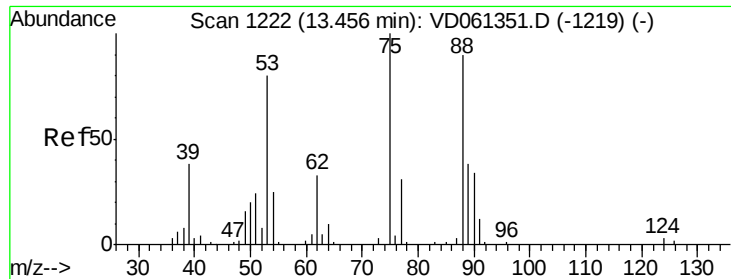
120 48.8 22.8 68.4



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V





#81

trans-1,4-Dichloro-2-butene

Concen: 50.599 ug/l

RT: 13.46 min Scan# 1223

Delta R.T. 0.00 min

Lab File: VD061365.D

Acq: 27 Mar 2019 21:10

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

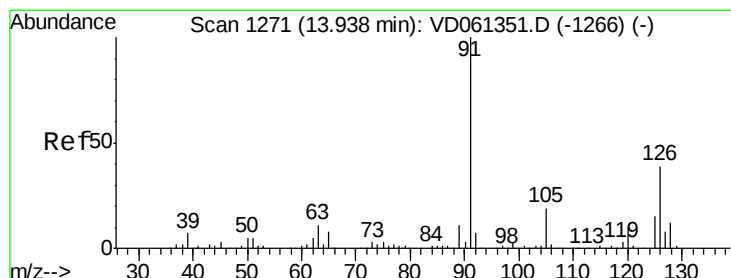
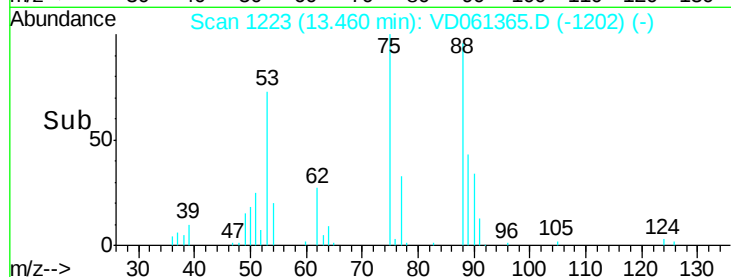
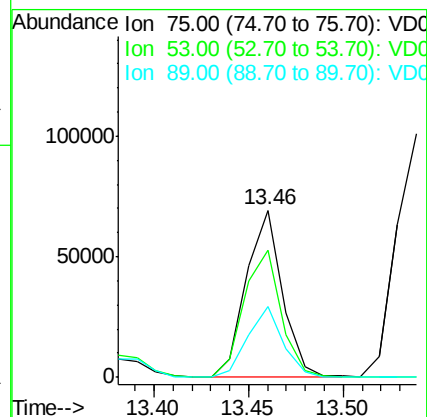
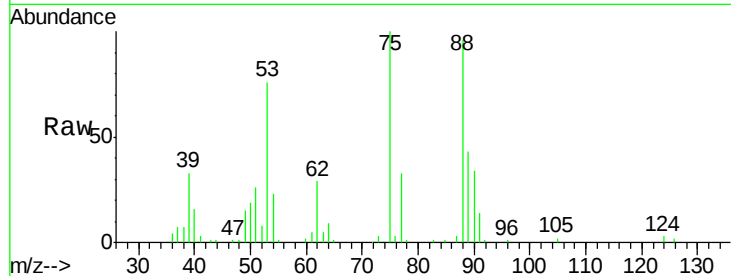
Tot Ion: 75 Resp: 91936

Ion Ratio Lower Upper

75 100

53 75.9 63.8 95.8

89 42.8 30.5 45.7



#82

4-Chlorotoluene

Concen: 50.910 ug/l

RT: 13.93 min Scan# 1271

Delta R.T. -0.01 min

Lab File: VD061365.D

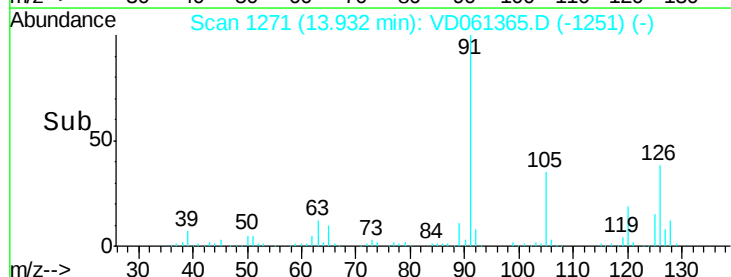
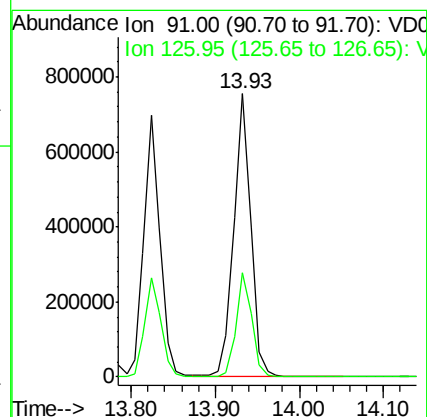
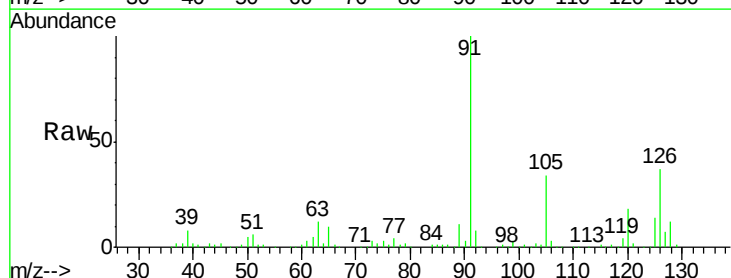
Acq: 27 Mar 2019 21:10

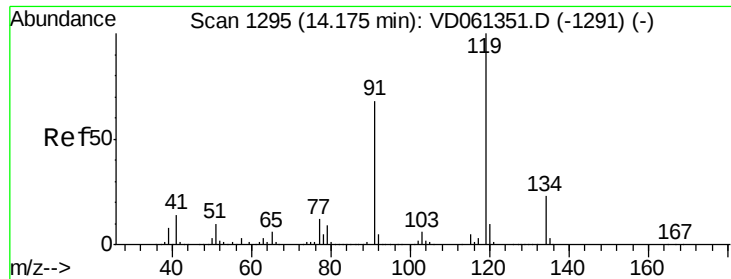
Tgt Ion: 91 Resp: 1056114

Ion Ratio Lower Upper

91 100

126 36.7 19.6 58.8

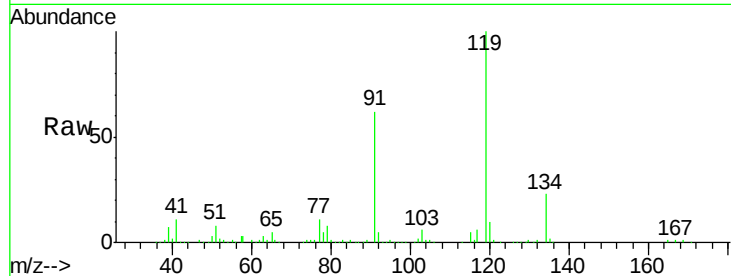




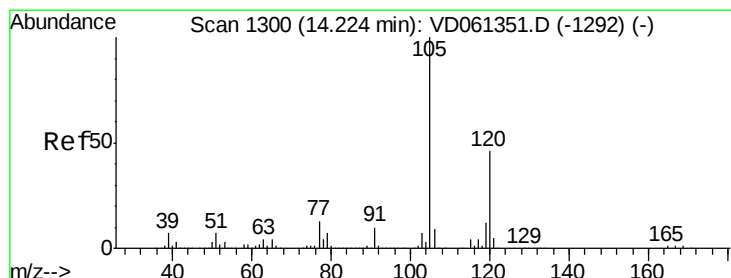
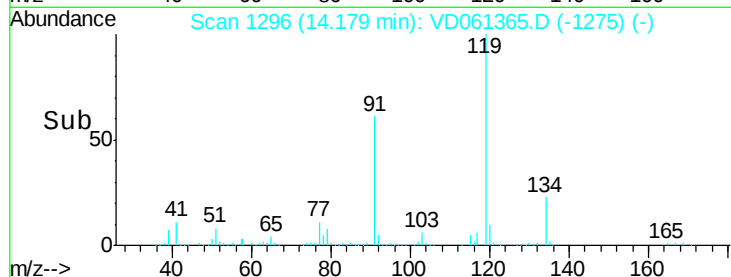
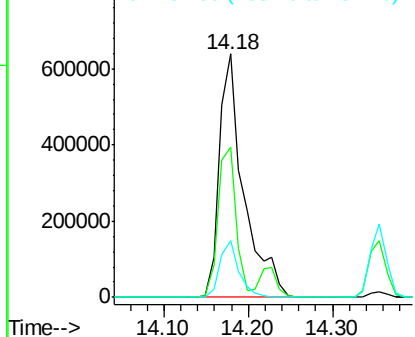
#83
tert-Butylbenzene
Concen: 46.277 ug/l
RT: 14.18 min Scan# 1296
Delta R.T. 0.00 min
Lab File: VD061365.D
Acq: 27 Mar 2019 21:10

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion:119 Resp: 1288394
Ion Ratio Lower Upper
119 100
91 61.5 34.1 102.3
134 23.2 11.6 34.8

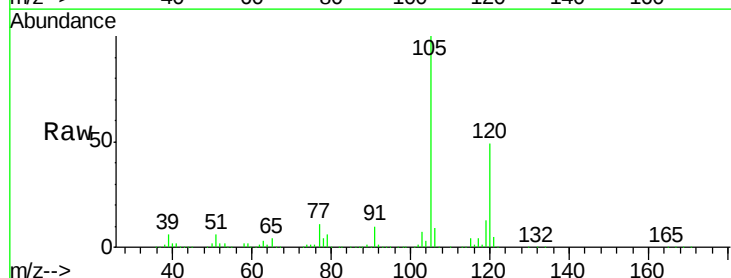


Abundance Ion 119.05 (118.75 to 119.75): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

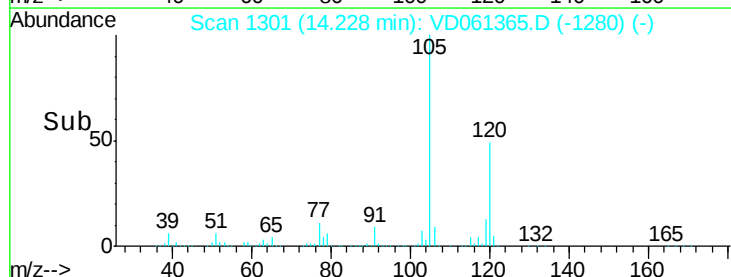
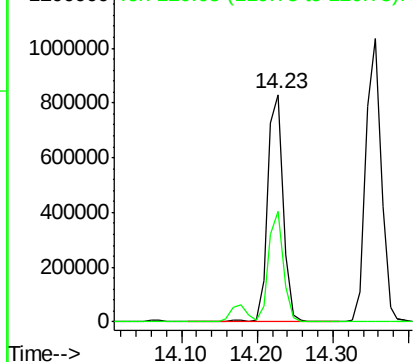


#84
1,2,4-Trimethylbenzene
Concen: 49.121 ug/l
RT: 14.23 min Scan# 1301
Delta R.T. 0.00 min
Lab File: VD061365.D
Acq: 27 Mar 2019 21:10

Tgt Ion:105 Resp: 1184700
Ion Ratio Lower Upper
105 100
120 48.8 22.8 68.4



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





#85

sec-Butylbenzene

Concen: 48.322 ug/l

RT: 14.36 min Scan# 1314

Delta R.T. 0.00 min

Lab File: VD061365.D

Acq: 27 Mar 2019 21:10

Instrument :

MSVOA_D

ClientSampleId :

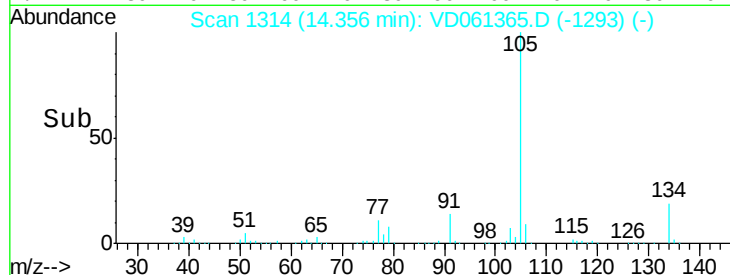
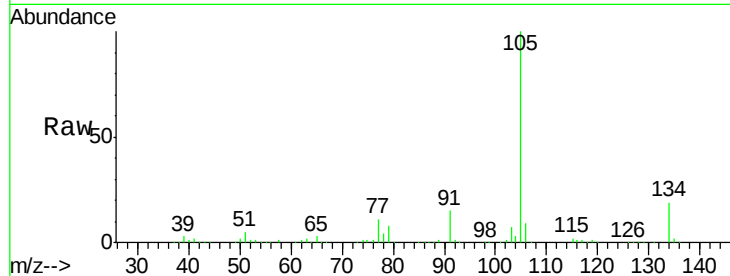
VSTDCCC050EC

Tot Ion:105 Resp: 1429179

Ion Ratio Lower Upper

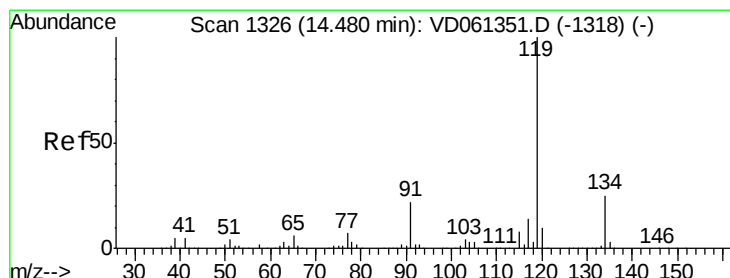
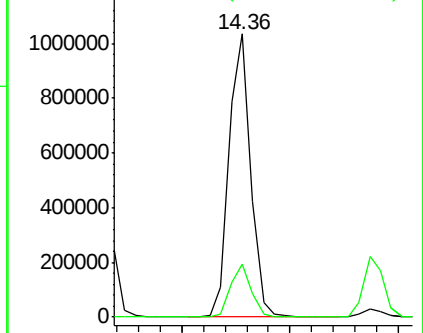
105 100

134 18.7 8.7 26.1



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 134.10 (133.80 to 134.80): V



#86

p-Isopropyltoluene

Concen: 47.632 ug/l

RT: 14.47 min Scan# 1326

Delta R.T. -0.01 min

Lab File: VD061365.D

Acq: 27 Mar 2019 21:10

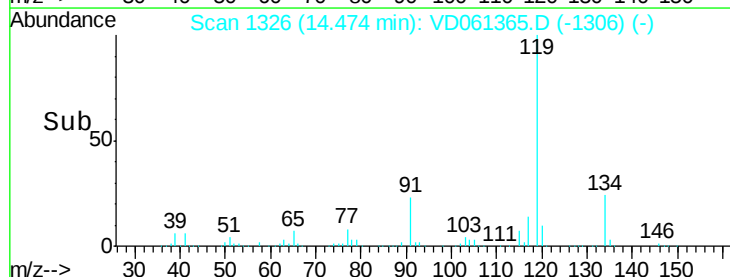
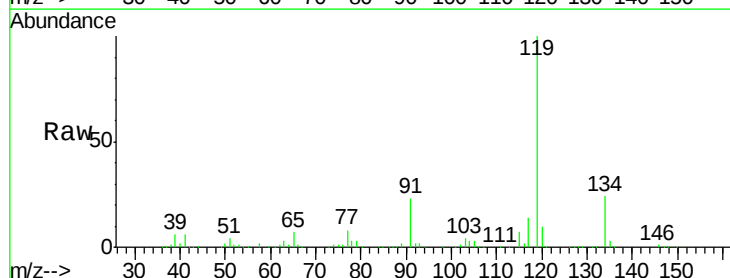
Tgt Ion:119 Resp: 1191256

Ion Ratio Lower Upper

119 100

134 23.9 12.3 36.8

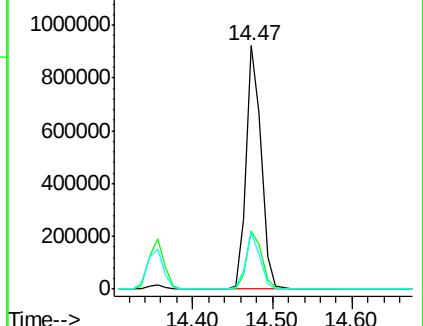
91 23.4 11.1 33.1



Abundance Ion 119.05 (118.75 to 119.75): V

Ion 134.10 (133.80 to 134.80): V

Ion 91.00 (90.70 to 91.70): V

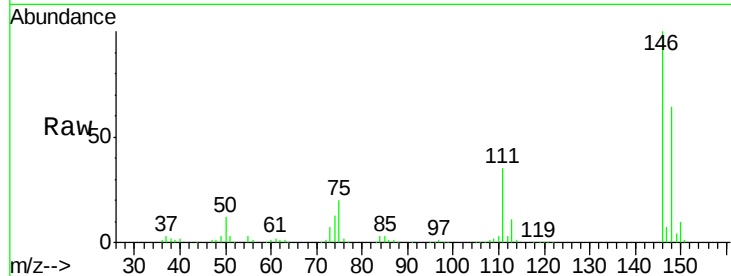




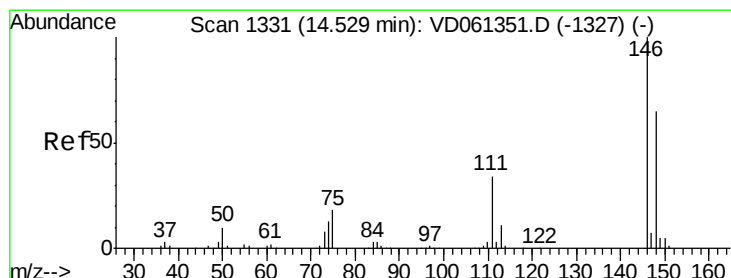
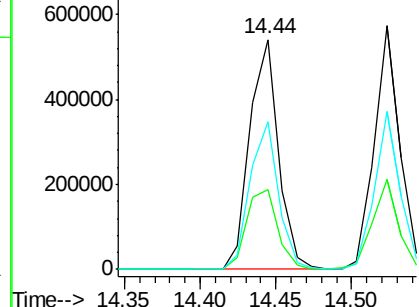
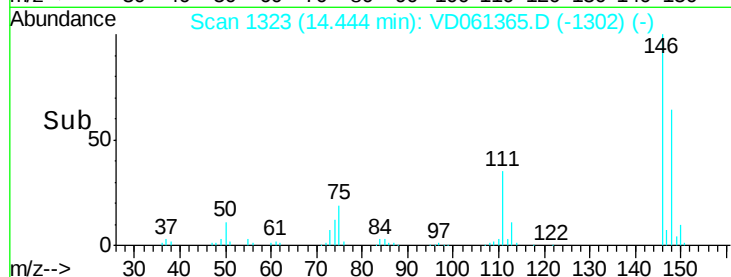
#87
 1,3-Dichlorobenzene
 Concen: 49.822 ug/l
 RT: 14.44 min Scan# 1323
 Delta R.T. 0.00 min
 Lab File: VD061365.D
 Acq: 27 Mar 2019 21:10

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:146 Resp: 718148
 Ion Ratio Lower Upper
 146 100
 111 34.8 20.6 61.9
 148 64.2 31.1 93.3

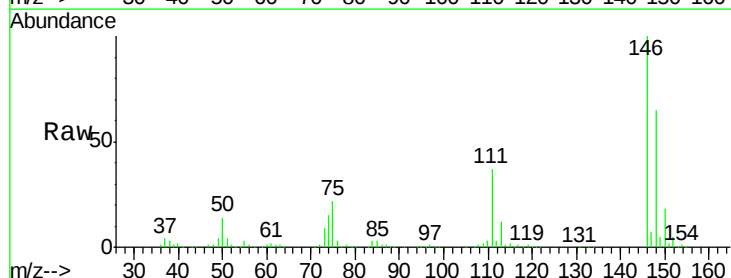


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

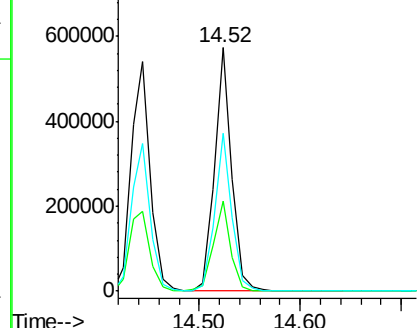
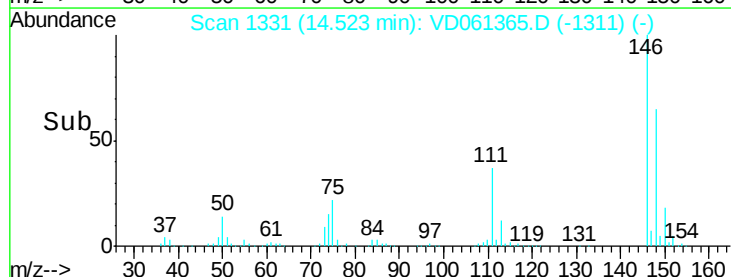


#88
 1,4-Dichlorobenzene
 Concen: 48.075 ug/l
 RT: 14.52 min Scan# 1331
 Delta R.T. -0.01 min
 Lab File: VD061365.D
 Acq: 27 Mar 2019 21:10

Tgt Ion:146 Resp: 675771
 Ion Ratio Lower Upper
 146 100
 111 36.8 16.8 50.4
 148 65.0 32.6 98.0



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

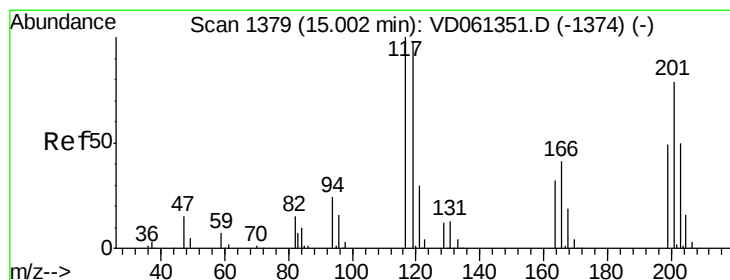
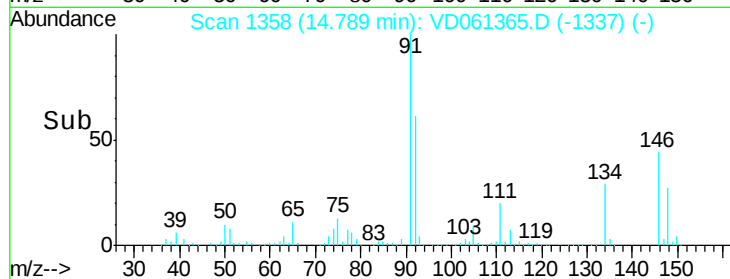
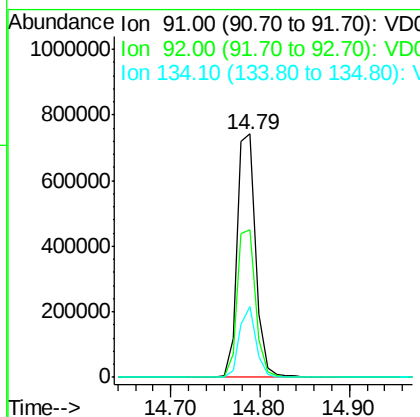
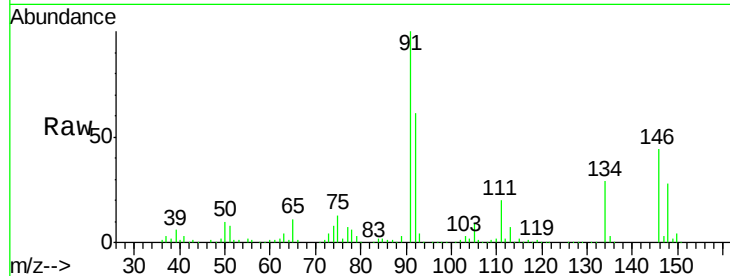




#89
n-Butylbenzene
Concen: 46.986 ug/l
RT: 14.79 min Scan# 1358
Delta R.T. 0.00 min
Lab File: VD061365.D
Acq: 27 Mar 2019 21:10

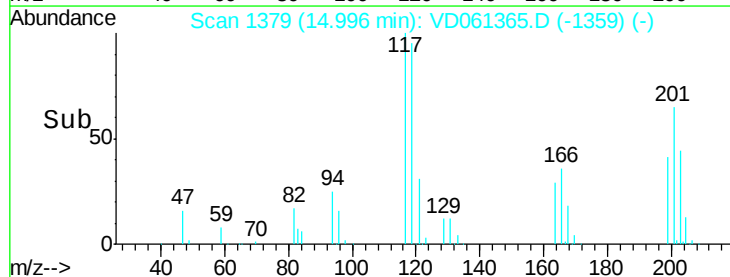
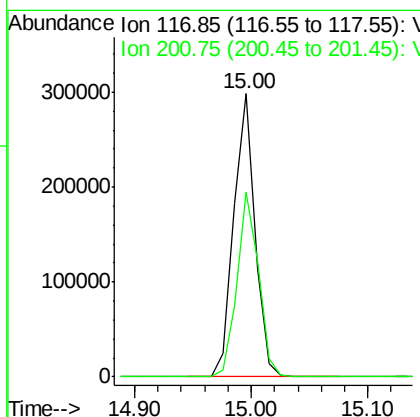
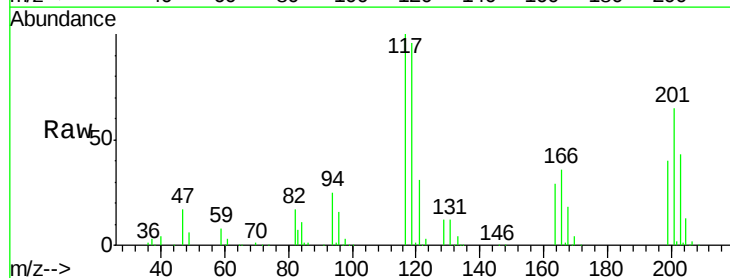
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

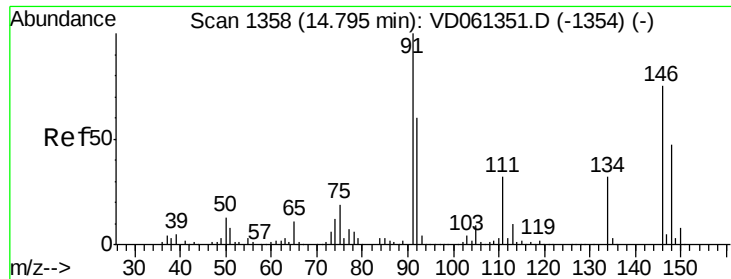
Tot Ion: 91 Resp: 1078550
Ion Ratio Lower Upper
91 100
92 60.6 30.3 91.0
134 28.9 12.4 37.0



#90
Hexachloroethane
Concen: 53.630 ug/l
RT: 15.00 min Scan# 1379
Delta R.T. -0.01 min
Lab File: VD061365.D
Acq: 27 Mar 2019 21:10

Tgt Ion: 117 Resp: 378920
Ion Ratio Lower Upper
117 100
201 65.1 39.6 119.0





#91

1,2-Dichlorobenzene

Concen: 46.264 ug/l

RT: 14.80 min Scan# 1359

Delta R.T. 0.00 min

Lab File: VD061365.D

Acq: 27 Mar 2019 21:10

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

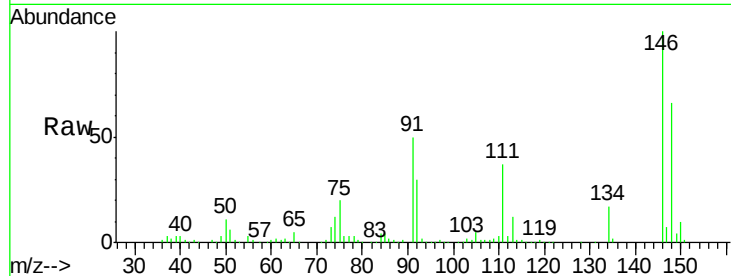
Tot Ion:146 Resp: 546983

Ion Ratio Lower Upper

146 100

111 37.5 21.2 63.6

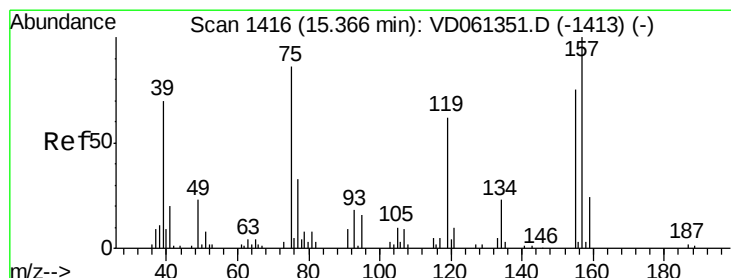
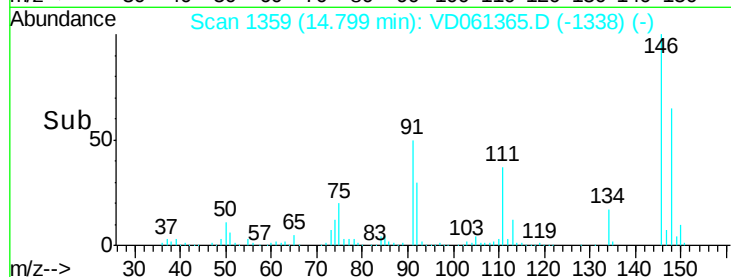
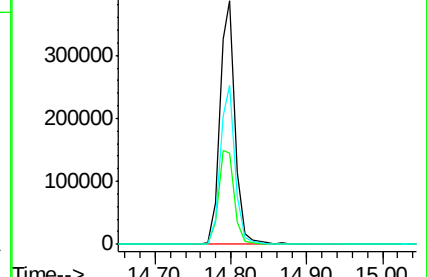
148 65.5 31.6 95.0



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 54.080 ug/l

RT: 15.37 min Scan# 1417

Delta R.T. 0.00 min

Lab File: VD061365.D

Acq: 27 Mar 2019 21:10

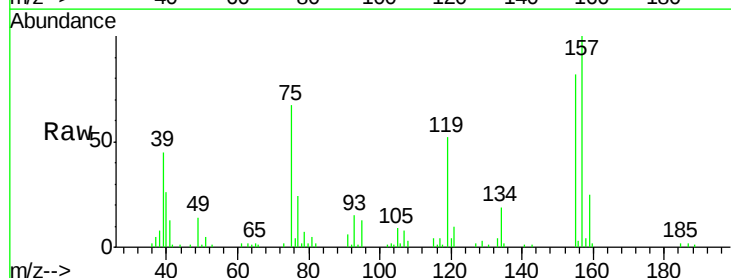
Tgt Ion: 75 Resp: 38417

Ion Ratio Lower Upper

75 100

155 122.2 43.6 130.9

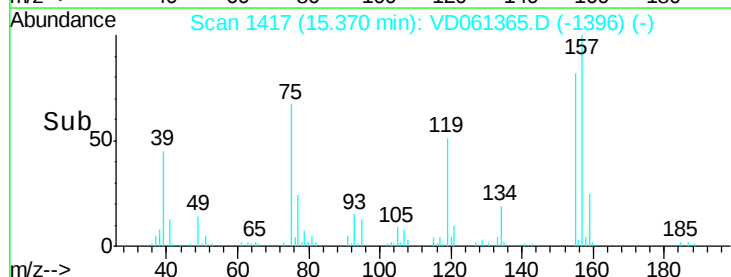
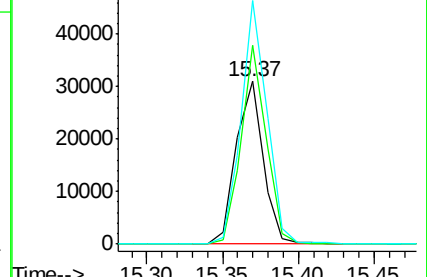
157 149.9 58.5 175.3

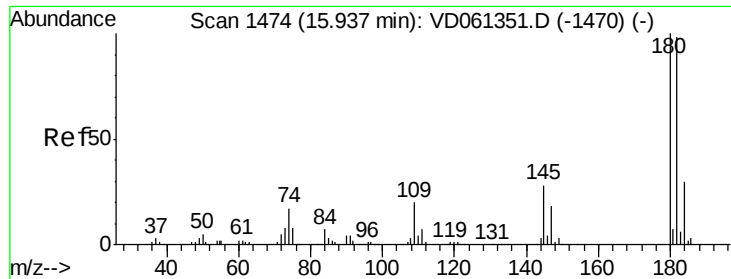


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 154.90 (154.60 to 155.60): V

Ion 156.85 (156.55 to 157.55): V

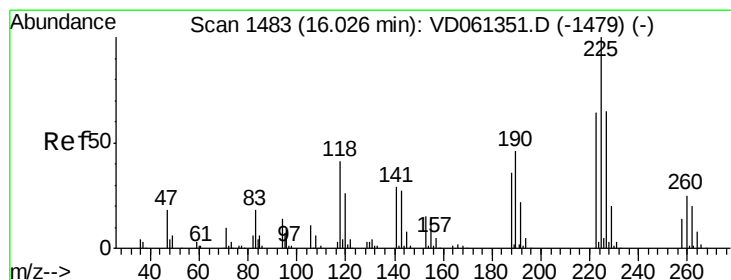
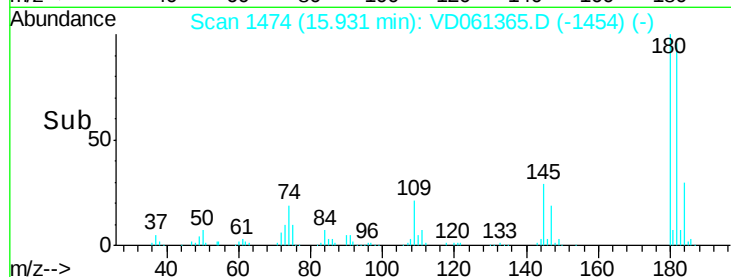
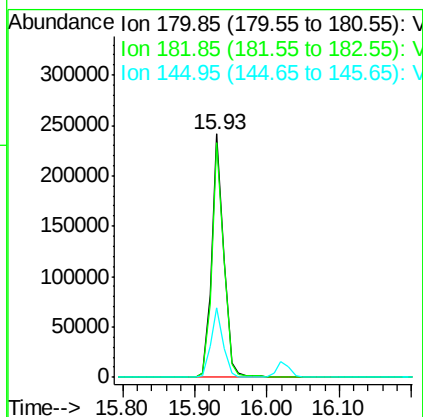
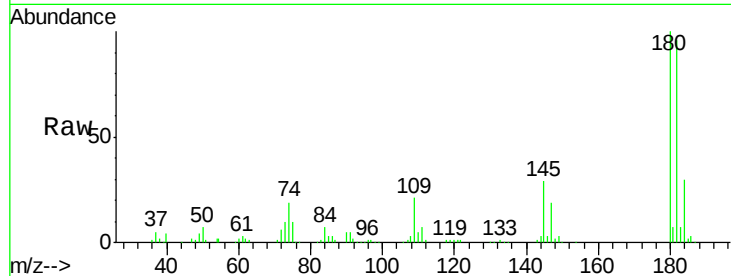




#93
 1,2,4-Trichlorobenzene
 Concen: 51.508 ug/l
 RT: 15.93 min Scan# 1474
 Delta R.T. -0.01 min
 Lab File: VD061365.D
 Acq: 27 Mar 2019 21:10

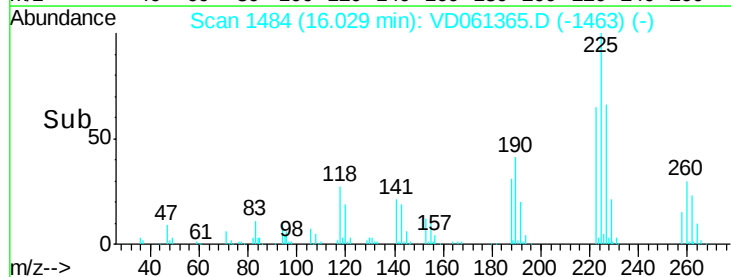
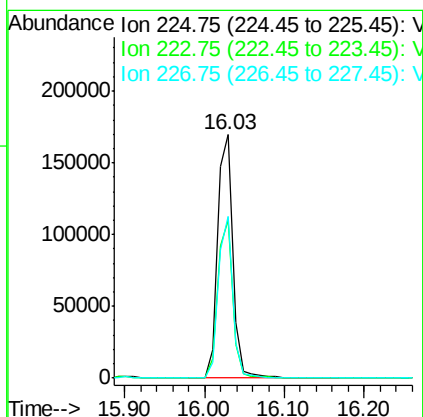
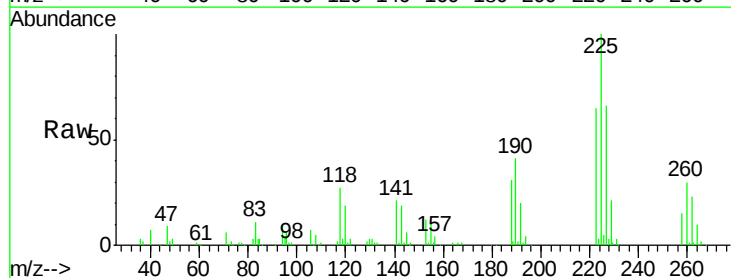
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

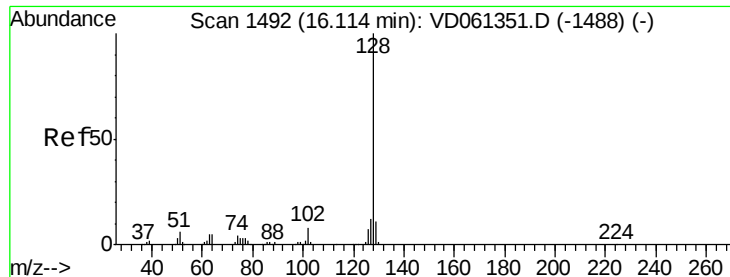
Tot Ion:180 Resp: 277415
 Ion Ratio Lower Upper
 180 100
 182 96.4 48.9 146.8
 145 28.7 14.1 42.3



#94
 Hexachlorobutadiene
 Concen: 54.813 ug/l
 RT: 16.03 min Scan# 1484
 Delta R.T. 0.00 min
 Lab File: VD061365.D
 Acq: 27 Mar 2019 21:10

Tgt Ion:225 Resp: 230689
 Ion Ratio Lower Upper
 225 100
 223 64.9 32.0 96.0
 227 66.2 32.4 97.2





#95

Naphthalene

Concen: 55.379 ug/l

RT: 16.11 min Scan# 1492

Delta R.T. -0.01 min

Lab File: VD061365.D

Acq: 27 Mar 2019 21:10

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

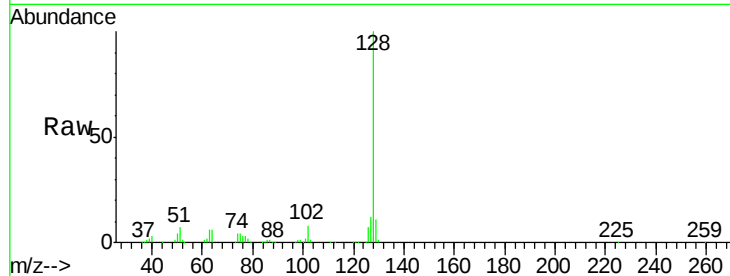
Tot Ion:128 Resp: 454633

Ion Ratio Lower Upper

128 100

127 12.3 9.9 14.9

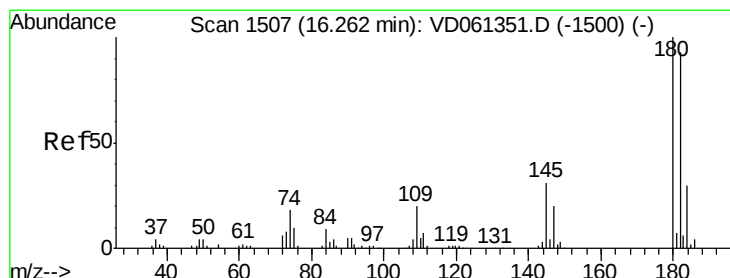
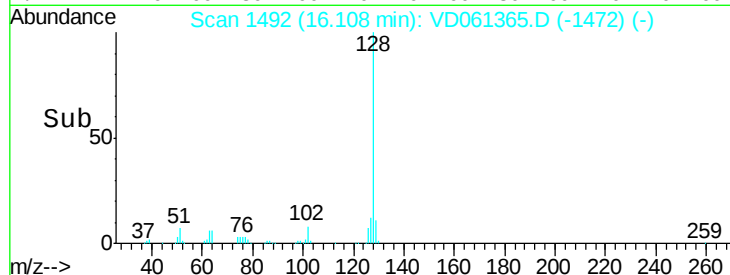
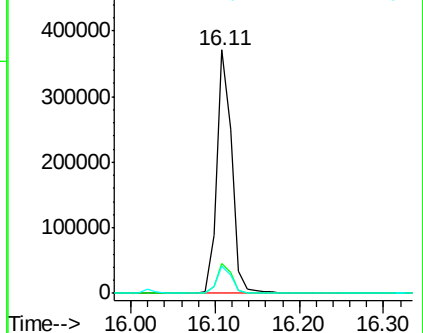
129 11.1 8.9 13.3



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 63.712 ug/l

RT: 16.26 min Scan# 1507

Delta R.T. -0.01 min

Lab File: VD061365.D

Acq: 27 Mar 2019 21:10

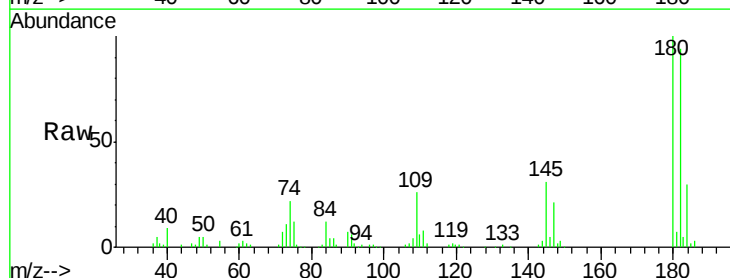
Tgt Ion:180 Resp: 151000

Ion Ratio Lower Upper

180 100

182 94.3 46.4 139.1

145 31.3 15.3 45.9



Abundance Ion 179.85 (179.55 to 180.55): V

Ion 181.85 (181.55 to 182.55): V

Ion 144.95 (144.65 to 145.65): V

