

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD041119\
 Data File : VD061735.D
 Acq On : 11 Apr 2019 12:10
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Apr 12 00:57:20 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D040619S.M
 Quant Title : SW846 8260
 QLast Update : Mon Apr 08 10:04:03 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.04	168	645660	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.21	114	993227	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.36	117	892348	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.51	152	399022	50.00	ug/l	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.44	65	221112	45.18	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	90.36%	
35) Dibromofluoromethane	6.92	113	349993	50.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.74%	
50) Toluene-d8	10.40	98	788926	45.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.28%	
62) 4-Bromofluorobenzene	13.55	95	304745	50.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.38%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.58	85	326908	46.932	ug/l	100
3) Chloromethane	1.75	50	248945	44.226	ug/l	95
4) Vinyl Chloride	1.85	62	253976	48.286	ug/l	98
5) Bromomethane	2.15	94	54099	44.437	ug/l	99
6) Chloroethane	2.27	64	90489	54.927	ug/l	100
7) Trichlorofluoromethane	2.53	101	411794	51.852	ug/l	97
8) Diethyl Ether	2.87	74	111398	49.981	ug/l	92
9) 1,1,2-Trichlorotrifluoroet	3.15	101	377919	48.403	ug/l	98
10) Methyl Iodide	3.31	142	580311	49.852	ug/l	99
11) Tert butyl alcohol	4.05	59	76957	234.629	ug/l #	93
12) 1,1-Dichloroethene	3.13	96	315068	46.809	ug/l	93
13) Acrolein	3.03	56	90386	226.024	ug/l	94
14) Allyl chloride	3.62	41	462101	50.336	ug/l	97
15) Acrylonitrile	4.18	53	249783	221.230	ug/l	97
16) Acetone	3.22	43	397536	271.727	ug/l	98
17) Carbon Disulfide	3.38	76	1028262	47.015	ug/l	99
18) Methyl Acetate	3.63	43	133150	48.373	ug/l	96
19) Methyl tert-butyl Ether	4.23	73	559676	48.022	ug/l	97
20) Methylene Chloride	3.81	84	353213	42.546	ug/l	96
21) trans-1,2-Dichloroethene	4.21	96	342885	46.903	ug/l	98
22) Diisopropyl ether	5.11	45	919059	47.749	ug/l	98
23) Vinyl Acetate	5.04	43	2395932	225.595	ug/l	99
24) 1,1-Dichloroethane	4.98	63	543527	46.082	ug/l	99
25) 2-Butanone	6.06	43	410334	243.292	ug/l	100
26) 2,2-Dichloropropane	6.01	77	489709	50.990	ug/l	96
27) cis-1,2-Dichloroethene	6.03	96	373242	47.858	ug/l	96
28) Bromochloromethane	6.43	49	230150	52.897	ug/l	97
29) Tetrahydrofuran	6.45	42	186447	229.001	ug/l	99
30) Chloroform	6.65	83	660314	53.440	ug/l	98
31) Cyclohexane	6.95	56	439844	47.735	ug/l	99
32) 1,1,1-Trichloroethane	6.86	97	549945	50.790	ug/l	99
36) 1,1-Dichloropropene	7.14	75	443816	51.057	ug/l	100
37) Ethyl Acetate	6.17	43	182718	51.607	ug/l	97
38) Carbon Tetrachloride	7.11	117	624065	61.257	ug/l	99

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 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.86	83	497148	55.707	ug/l	99
40) Benzene	7.45	78	1149553	54.817	ug/l	100
41) Methacrylonitrile	6.44	41	213774	51.722	ug/l	96
42) 1,2-Dichloroethane	7.57	62	378854	57.445	ug/l	99
43) Isopropyl Acetate	9.23	43	258559	50.318	ug/l	99
44) Trichloroethene	8.53	130	444116	55.242	ug/l	96
45) 1,2-Dichloropropane	8.93	63	274951	52.869	ug/l	100
46) Dibromomethane	9.06	93	200366	53.907	ug/l	97
47) Bromodichloromethane	9.37	83	476978	58.430	ug/l	99
48) Methyl methacrylate	9.11	41	160589	54.217	ug/l	99
49) 1,4-Dioxane	9.07	88	33893	1036.671	ug/l	93
51) 4-Methyl-2-Pentanone	10.30	43	795823	261.882	ug/l	98
52) Toluene	10.50	92	711635	54.344	ug/l	100
53) t-1,3-Dichloropropene	10.91	75	442111	61.784	ug/l	99
54) cis-1,3-Dichloropropene	10.03	75	496243	56.257	ug/l	94
55) 1,1,2-Trichloroethane	11.18	97	241774	54.743	ug/l	99
56) Ethyl methacrylate	11.03	69	259707	55.741	ug/l	95
57) 1,3-Dichloropropane	11.40	76	362275	56.012	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.84	63	582365	264.904	ug/l	98
59) 2-Hexanone	11.53	43	632369	268.135	ug/l	98
60) Dibromochloromethane	11.67	129	407074	58.339	ug/l	99
61) 1,2-Dibromoethane	11.80	107	280953	54.395	ug/l	99
64) Tetrachloroethene	11.25	164	315291	45.518	ug/l	94
65) Chlorobenzene	12.39	112	872139	49.284	ug/l	99
66) 1,1,1,2-Tetrachloroethane	12.51	131	357327	52.474	ug/l	96
67) Ethyl Benzene	12.52	91	1368478	50.783	ug/l	99
68) m/p-Xylenes	12.66	106	1028655	99.014	ug/l	96
69) o-Xylene	13.04	106	469091	46.776	ug/l	99
70) Styrene	13.07	104	777405	45.392	ug/l	99
71) Bromoform	13.23	173	209618	49.613	ug/l	98
73) Isopropylbenzene	13.40	105	1256774	47.270	ug/l	99
74) N-amyl acetate	13.26	43	336879	46.634	ug/l	100
75) 1,1,2,2-Tetrachloroethane	13.69	83	267224	48.609	ug/l	99
76) 1,2,3-Trichloropropane	13.73	75	272137	50.129	ug/l	98
77) Bromobenzene	13.66	156	393296	50.963	ug/l	93
78) n-propylbenzene	13.77	91	1571815	49.422	ug/l	97
79) 2-Chlorotoluene	13.84	91	894118	49.162	ug/l	99
80) 1,3,5-Trimethylbenzene	13.93	105	1030379	48.827	ug/l	99
81) trans-1,4-Dichloro-2-buten	13.47	75	82593	50.137	ug/l	91
82) 4-Chlorotoluene	13.94	91	944810	47.409	ug/l	88
83) tert-Butylbenzene	14.18	119	1268551	49.858	ug/l	99
84) 1,2,4-Trimethylbenzene	14.23	105	1086387	51.009	ug/l	96
85) sec-Butylbenzene	14.36	105	1445771	52.593	ug/l	96
86) p-Isopropyltoluene	14.49	119	1229171	51.543	ug/l	99
87) 1,3-Dichlorobenzene	14.45	146	653997	49.241	ug/l	97
88) 1,4-Dichlorobenzene	14.53	146	676511	50.482	ug/l	95
89) n-Butylbenzene	14.79	91	1007513	48.607	ug/l	98
90) Hexachloroethane	15.00	117	344896	53.301	ug/l	88
91) 1,2-Dichlorobenzene	14.80	146	546868	49.959	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	15.38	75	35067	52.860	ug/l	89

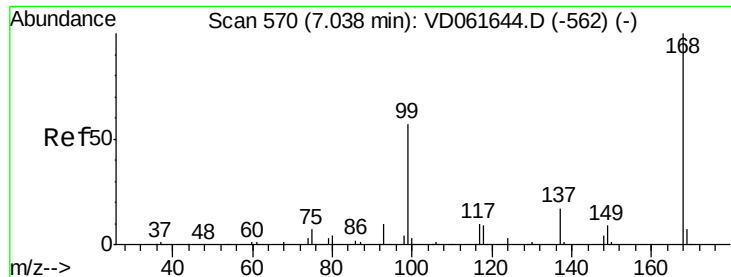
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.94	180	307284	55.100	ug/l	96
94) Hexachlorobutadiene	16.03	225	243509	56.548	ug/l	99
95) Naphthalene	16.12	128	478916	54.273	ug/l	99
96) 1,2,3-Trichlorobenzene	16.26	180	159963	57.473	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.04 min Scan# 570

Delta R.T. -0.00 min

Lab File: VD061735.D

Acq: 11 Apr 2019 12:10

Instrument :

MSVOA_D

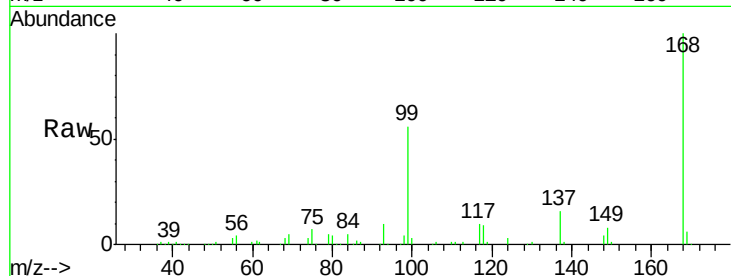
ClientSampleId :

Tot Ion:168 Resp: 645660

Ion Ratio Lower Upper

168 100

99 56.4 46.8 70.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.04

250000

200000

150000

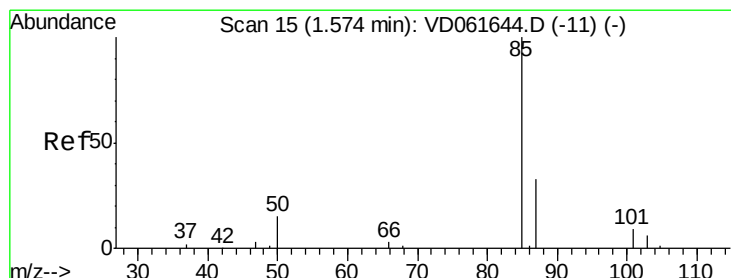
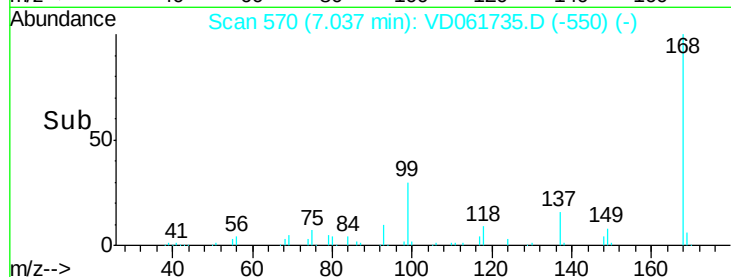
100000

50000

0

6.90 7.00 7.10 7.20

Time-->



#2

Dichlorodifluoromethane

Concen: 46.932 ug/l

RT: 1.58 min Scan# 16

Delta R.T. 0.01 min

Lab File: VD061735.D

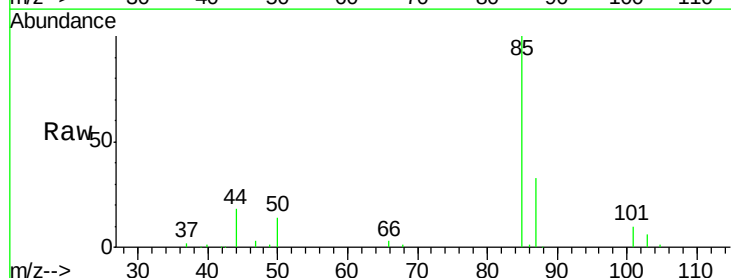
Acq: 11 Apr 2019 12:10

Tgt Ion: 85 Resp: 326908

Ion Ratio Lower Upper

85 100

87 33.3 16.6 49.8



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC

150000

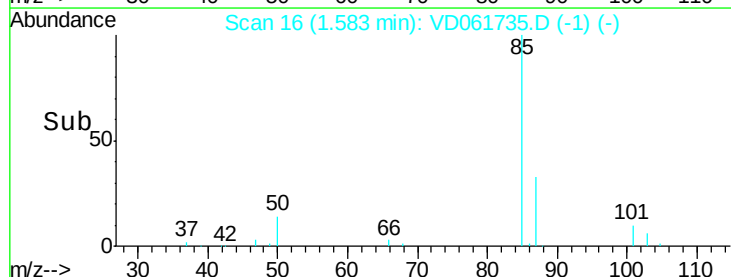
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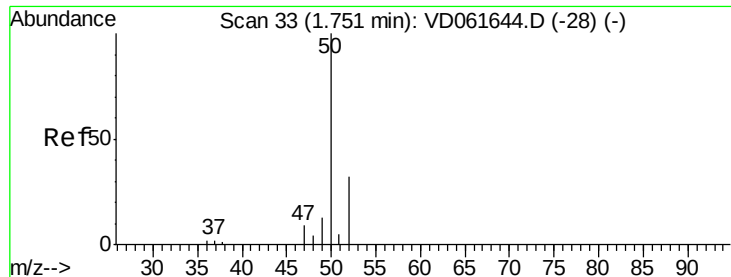
50000

0

1.50 1.60 1.70 1.80

Time-->





#3

Chloromethane

Concen: 44.226 ug/l

RT: 1.75 min Scan# 33

Delta R.T. -0.00 min

Lab File: VD061735.D

Acq: 11 Apr 2019 12:10

Instrument :

MSVOA_D

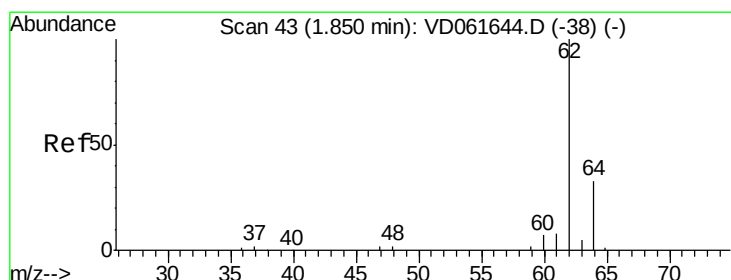
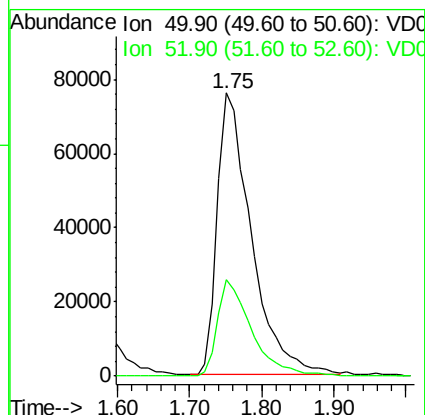
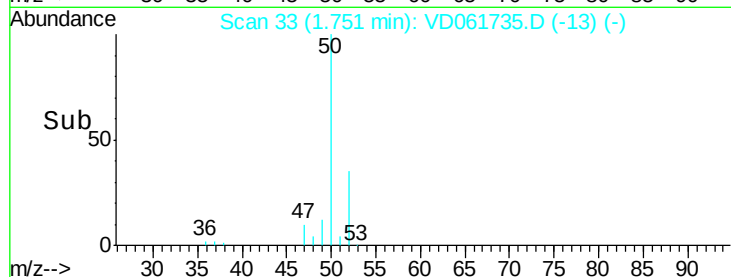
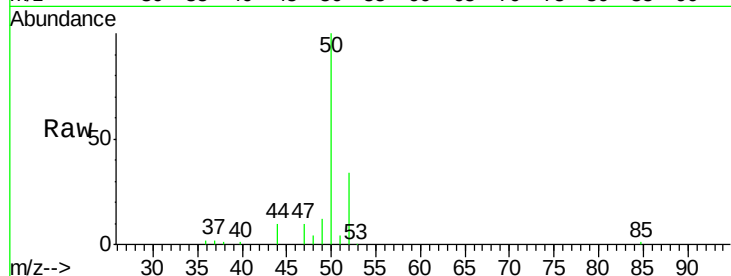
ClientSampleId :

Tot Ion: 50 Resp: 248945

Ion Ratio Lower Upper

50 100

52 34.3 25.1 37.7



#4

Vinyl Chloride

Concen: 48.286 ug/l

RT: 1.85 min Scan# 43

Delta R.T. -0.00 min

Lab File: VD061735.D

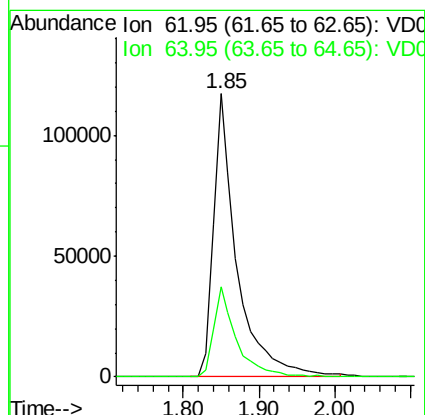
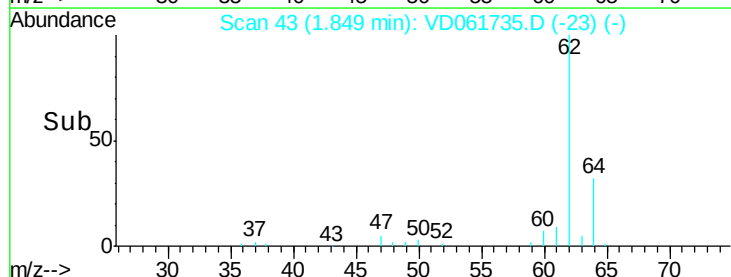
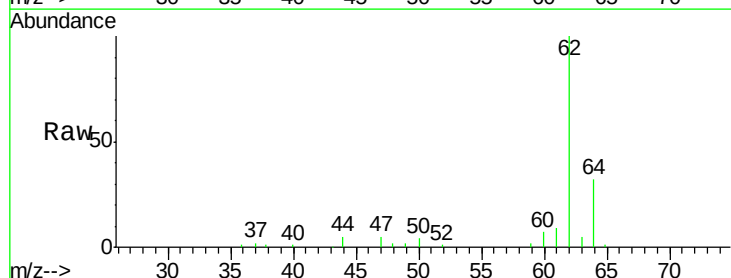
Acq: 11 Apr 2019 12:10

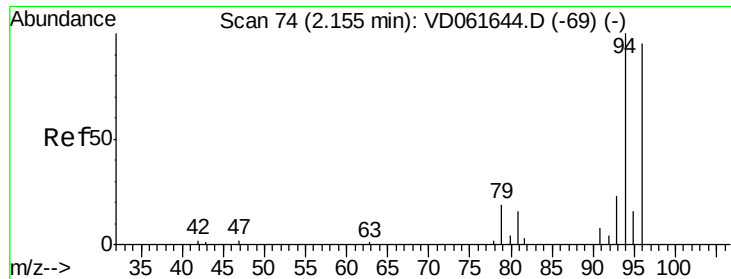
Tgt Ion: 62 Resp: 253976

Ion Ratio Lower Upper

62 100

64 31.6 26.2 39.2





#5

Bromomethane

Concen: 44.437 ug/l

RT: 2.15 min Scan# 74

Delta R.T. -0.00 min

Lab File: VD061735.D

Acq: 11 Apr 2019 12:10

Instrument :

MSVOA_D

ClientSampleId :

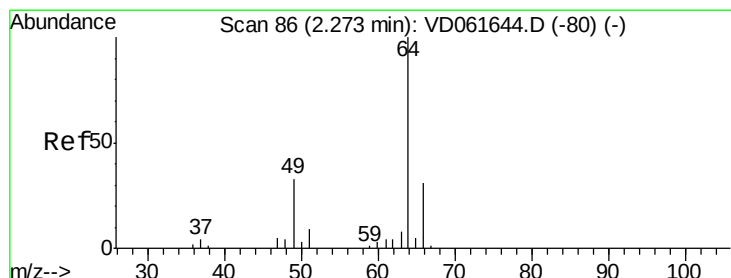
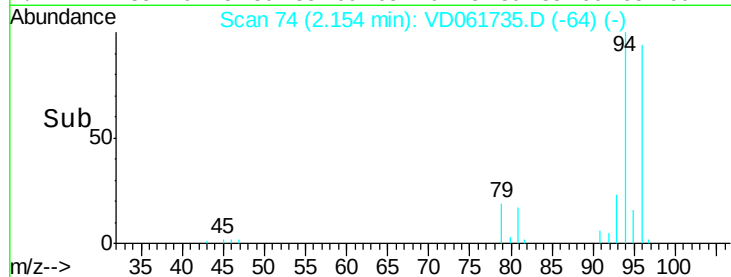
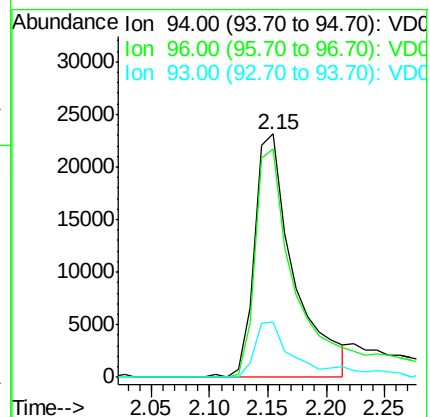
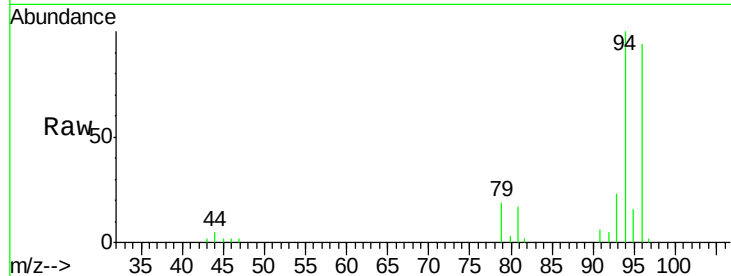
Tot Ion: 94 Resp: 54099

Ion Ratio Lower Upper

94 100

96 95.5 75.8 113.8

93 22.7 18.6 28.0



#6

Chloroethane

Concen: 54.927 ug/l

RT: 2.27 min Scan# 86

Delta R.T. -0.00 min

Lab File: VD061735.D

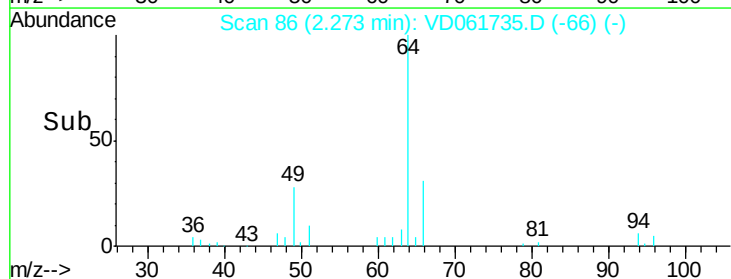
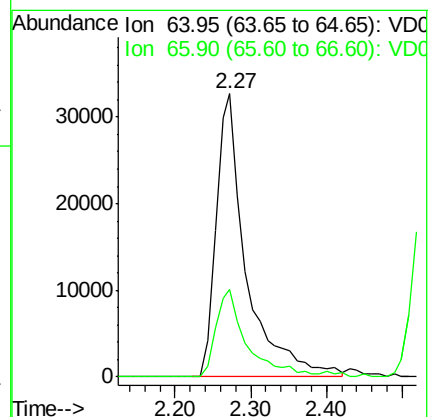
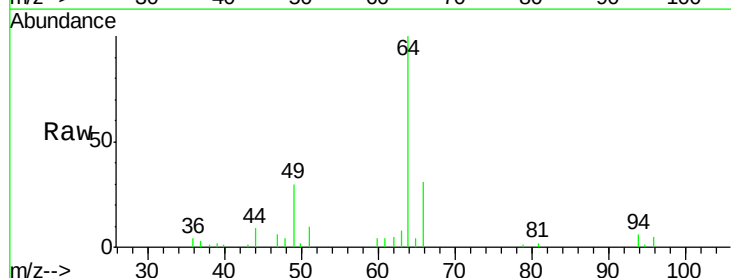
Acq: 11 Apr 2019 12:10

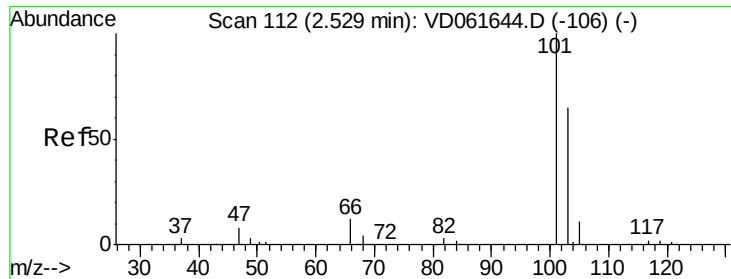
Tgt Ion: 64 Resp: 90489

Ion Ratio Lower Upper

64 100

66 31.0 24.9 37.3



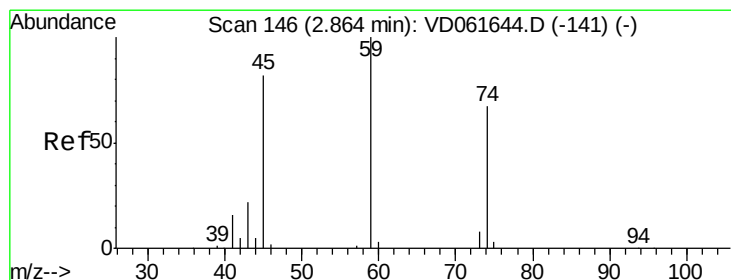
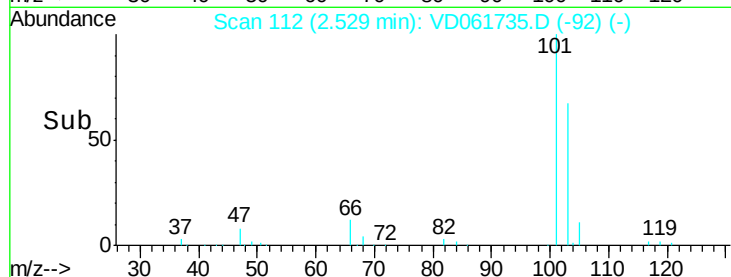
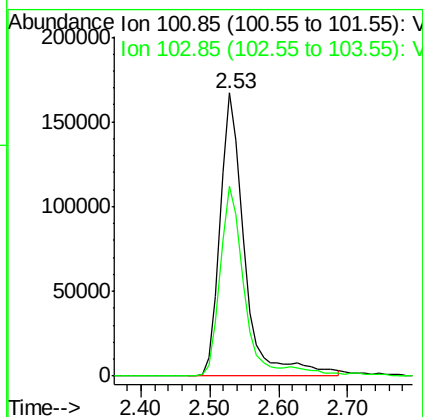
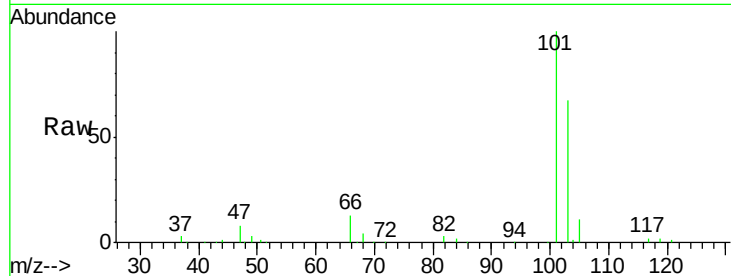


#7

Trichlorofluoromethane
 Concen: 51.852 ug/l
 RT: 2.53 min Scan# 112
 Delta R.T. -0.00 min
 Lab File: VD061735.D
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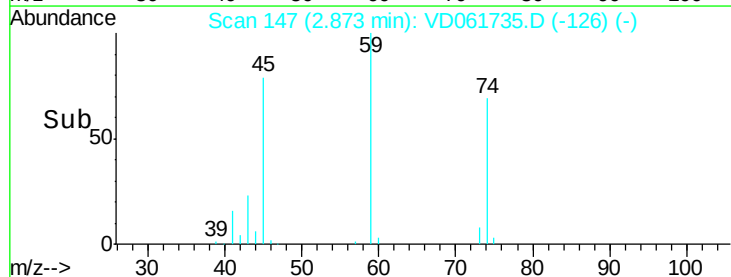
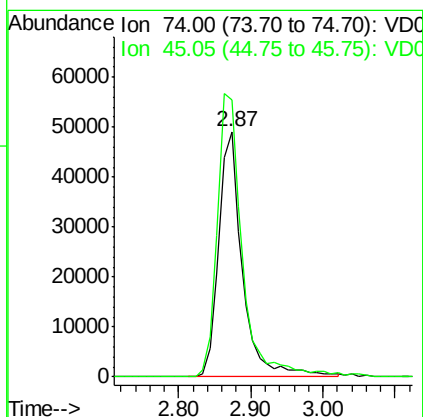
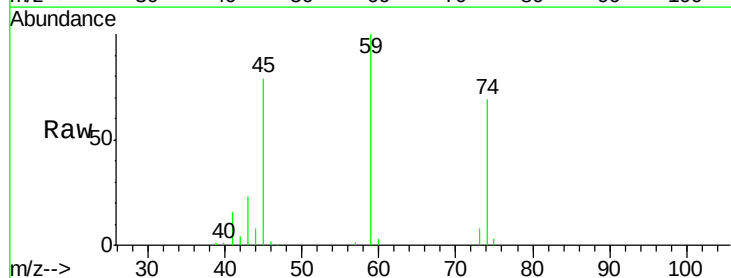
Tot Ion:101 Resp: 411794
 Ion Ratio Lower Upper
 101 100
 103 67.0 52.0 78.0

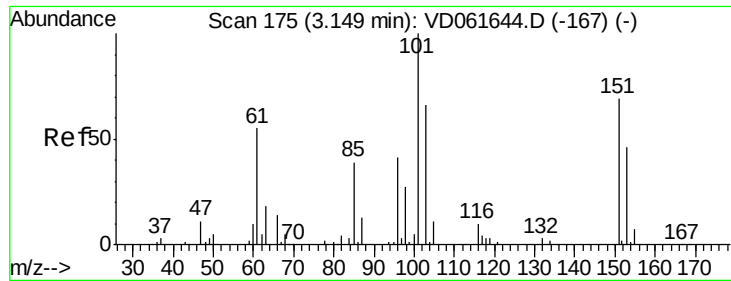


#8

Diethyl Ether
 Concen: 49.981 ug/l
 RT: 2.87 min Scan# 147
 Delta R.T. 0.01 min
 Lab File: VD061735.D
 Acq: 11 Apr 2019 12:10

Tgt Ion: 74 Resp: 111398
 Ion Ratio Lower Upper
 74 100
 45 113.2 61.0 183.0

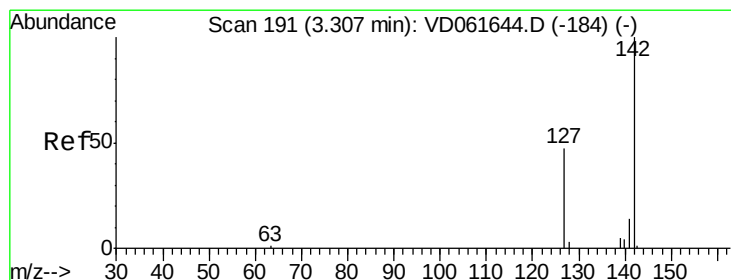
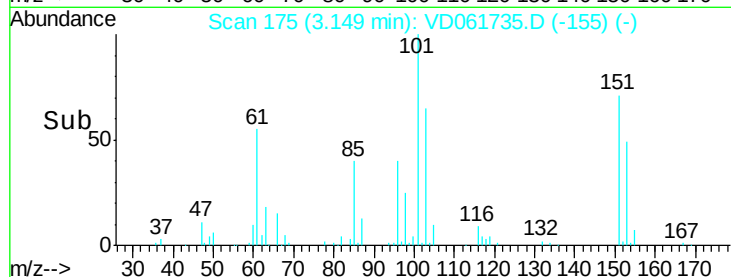
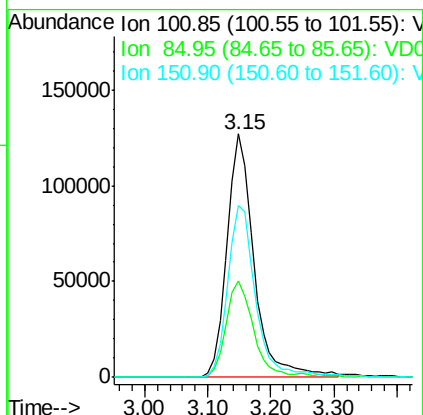
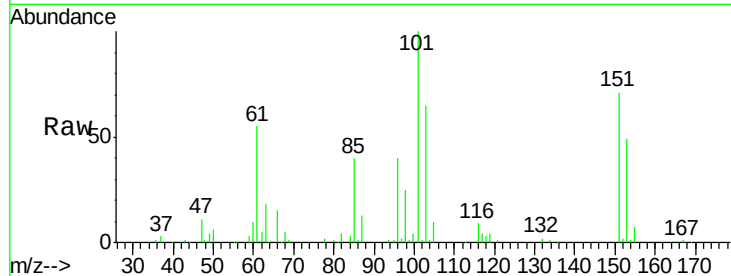




#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 48.403 ug/l
 RT: 3.15 min Scan# 175
 Delta R.T. -0.00 min
 Lab File: VD061735.D
 Acq: 11 Apr 2019 12:10

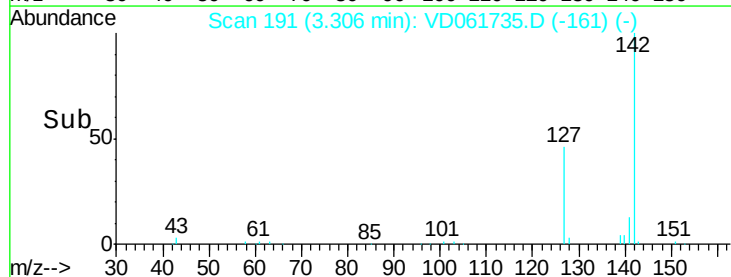
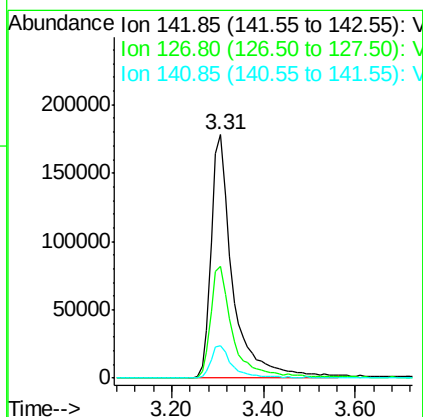
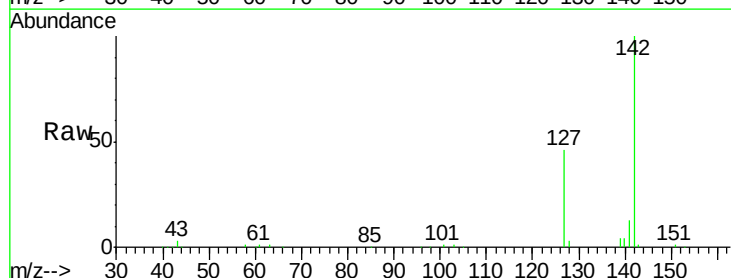
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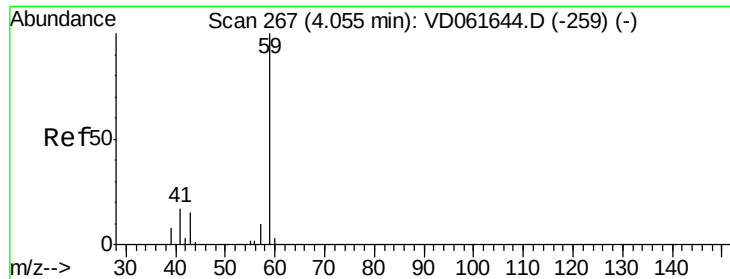
Tot Ion:101 Resp: 377919
 Ion Ratio Lower Upper
 101 100
 85 39.8 31.0 46.6
 151 70.7 55.3 82.9



#10
 Methyl Iodide
 Concen: 49.852 ug/l
 RT: 3.31 min Scan# 191
 Delta R.T. 0.00 min
 Lab File: VD061735.D
 Acq: 11 Apr 2019 12:10

Tgt Ion:142 Resp: 580311
 Ion Ratio Lower Upper
 142 100
 127 45.9 37.2 55.8
 141 13.2 10.8 16.2



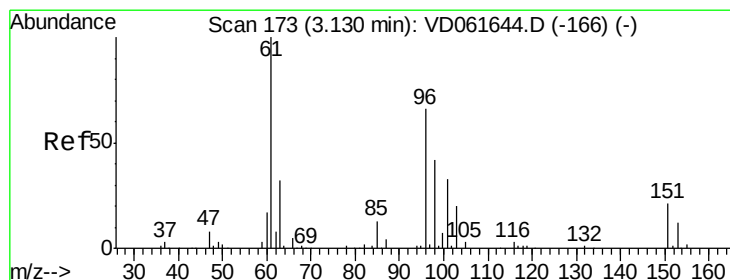
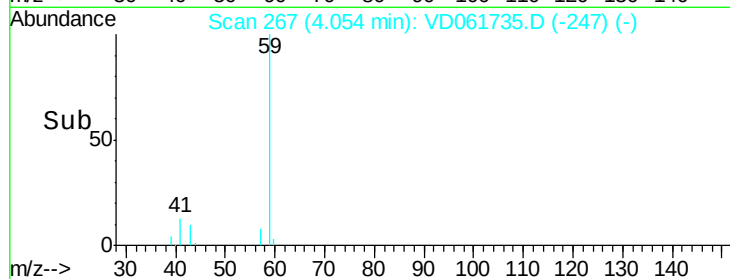
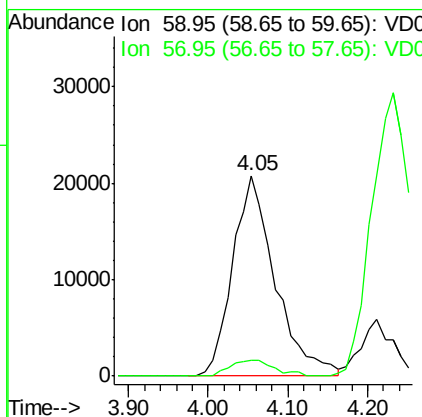
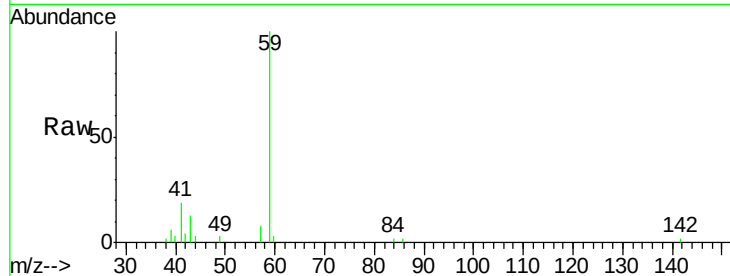


#11

Tert butyl alcohol
Concen: 234.629 ug/l
RT: 4.05 min Scan# 267
Delta R.T. -0.00 min
Lab File: VD061735.D
Acq: 11 Apr 2019 12:10

Instrument :
MSVOA_D
ClientSampleId :

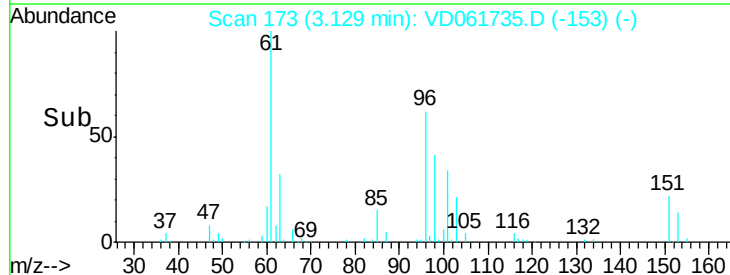
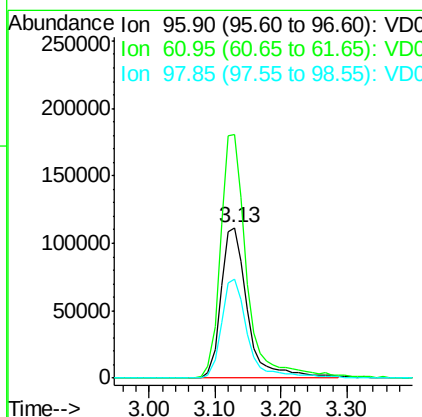
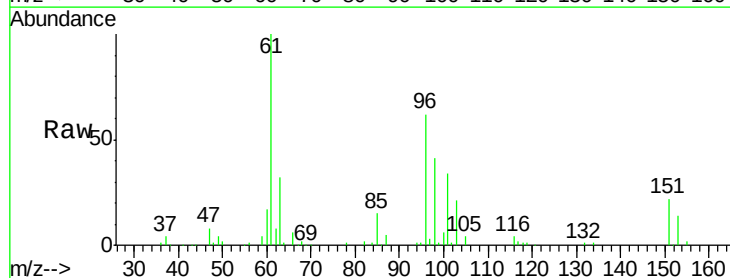
Tot Ion: 59 Resp: 76957
Ion Ratio Lower Upper
59 100
57 7.8 8.4 12.6#

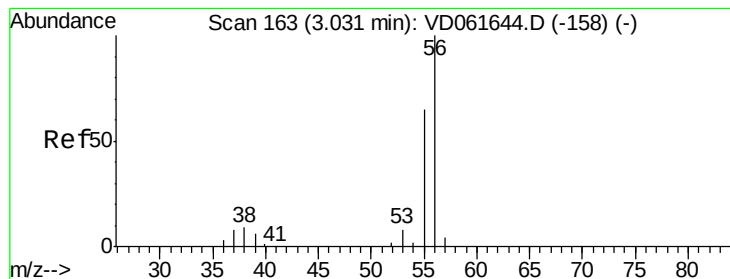


#12

1,1-Dichloroethene
Concen: 46.809 ug/l
RT: 3.13 min Scan# 173
Delta R.T. -0.00 min
Lab File: VD061735.D
Acq: 11 Apr 2019 12:10

Tgt Ion: 96 Resp: 315068
Ion Ratio Lower Upper
96 100
61 162.0 121.3 181.9
98 65.8 50.6 76.0





#13

Acrolein

Concen: 226.024 ug/l

RT: 3.03 min Scan# 163

Delta R.T. -0.00 min

Lab File: VD061735.D

Acq: 11 Apr 2019 12:10

Instrument :

MSVOA_D

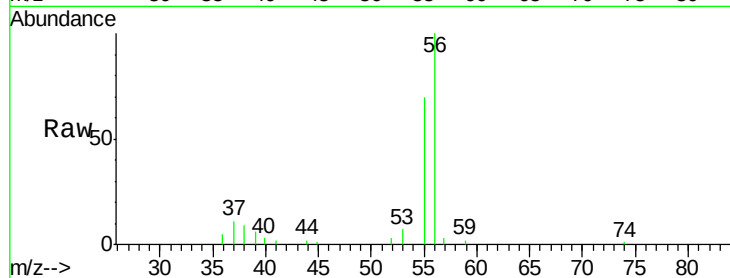
ClientSampleId :

Tot Ion: 56 Resp: 90386

Ion Ratio Lower Upper

56 100

55 69.5 51.8 77.6



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC

3.03

30000

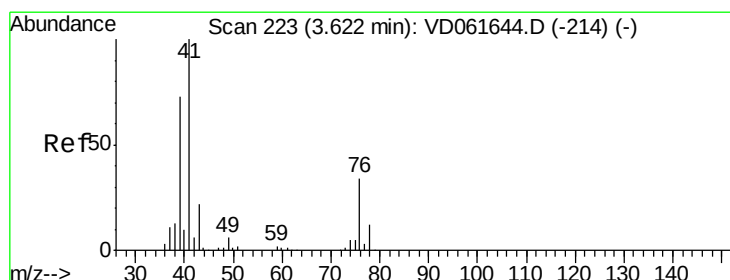
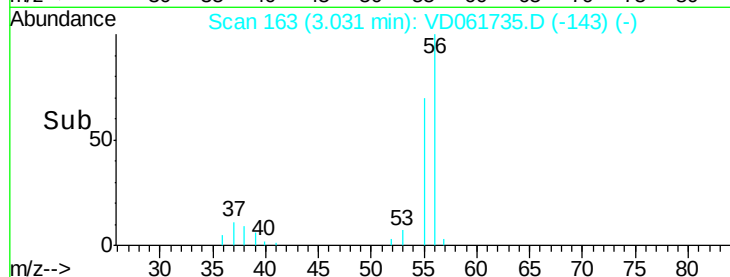
20000

10000

0

Time-->

2.90 3.00 3.10 3.20



#14

Allyl chloride

Concen: 50.336 ug/l

RT: 3.62 min Scan# 223

Delta R.T. -0.00 min

Lab File: VD061735.D

Acq: 11 Apr 2019 12:10

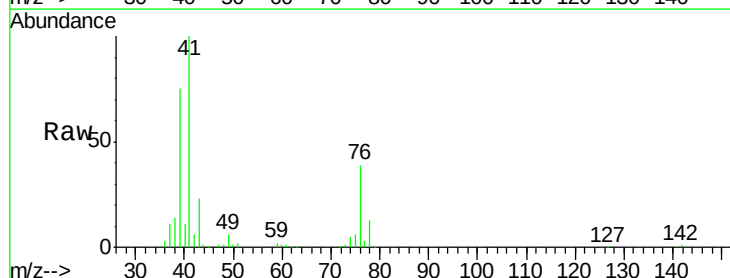
Tgt Ion: 41 Resp: 462101

Ion Ratio Lower Upper

41 100

39 75.0 58.2 87.4

76 39.4 29.8 44.6



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

3.62

200000

150000

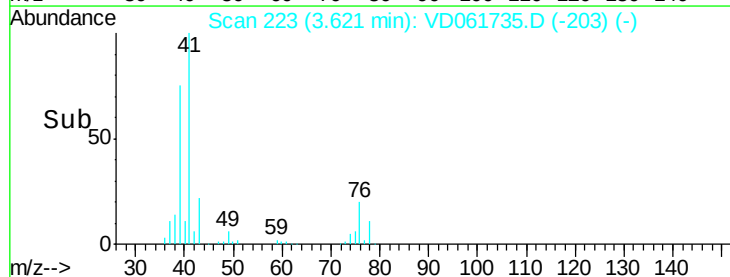
100000

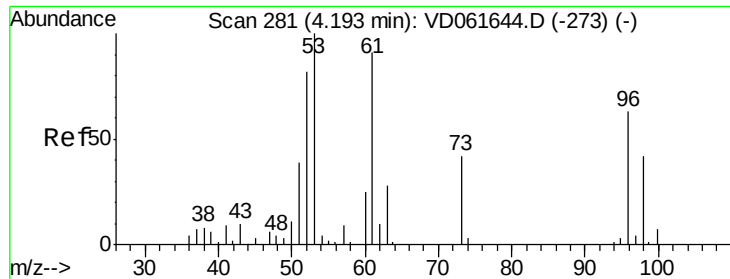
50000

0

Time-->

3.50 3.60 3.70 3.80





#15

Acrylonitrile

Concen: 221.230 ug/l

RT: 4.18 min Scan# 280

Delta R.T. -0.01 min

Lab File: VD061735.D

Acq: 11 Apr 2019 12:10

Instrument :

MSVOA_D

ClientSampleId :

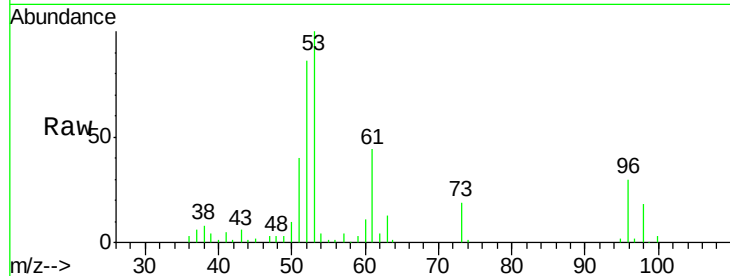
Tot Ion: 53 Resp: 249783

Ion Ratio Lower Upper

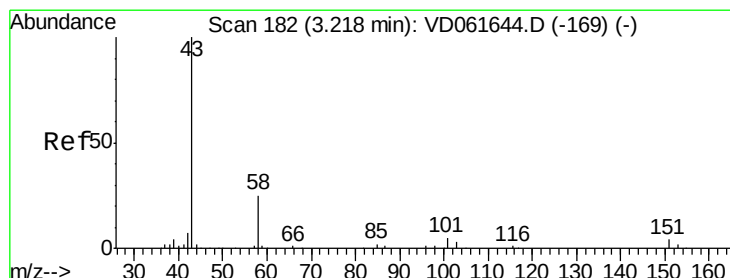
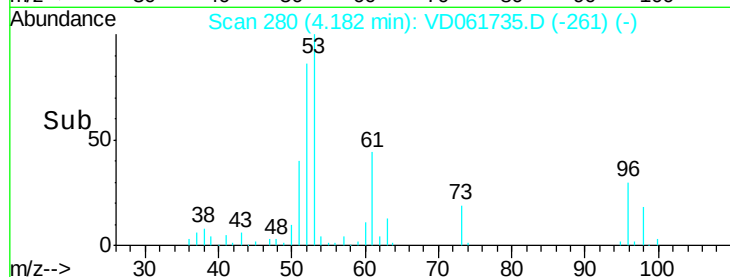
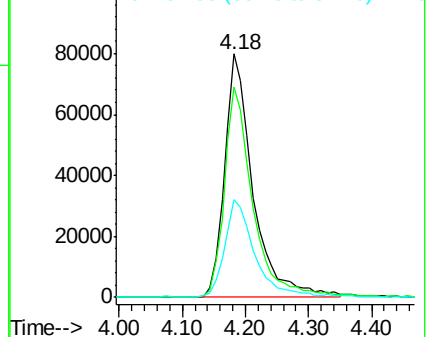
53 100

52 86.3 65.9 98.9

51 40.1 31.4 47.2



Abundance Ion 53.00 (52.70 to 53.70): VDC
Ion 52.00 (51.70 to 52.70): VDC
Ion 51.00 (50.70 to 51.70): VDC



#16

Acetone

Concen: 271.727 ug/l

RT: 3.22 min Scan# 182

Delta R.T. -0.00 min

Lab File: VD061735.D

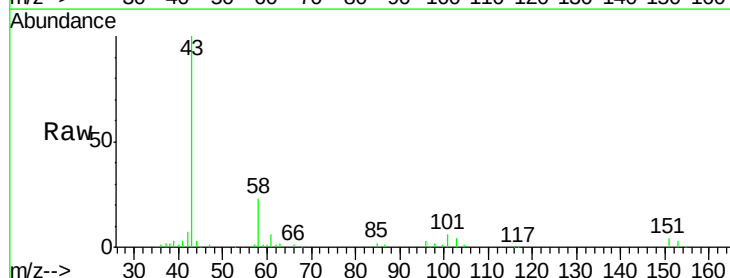
Acq: 11 Apr 2019 12:10

Tgt Ion: 43 Resp: 397536

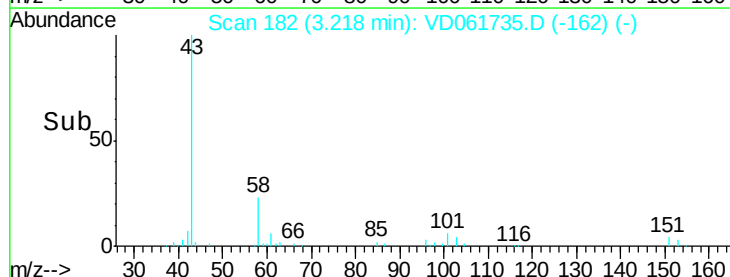
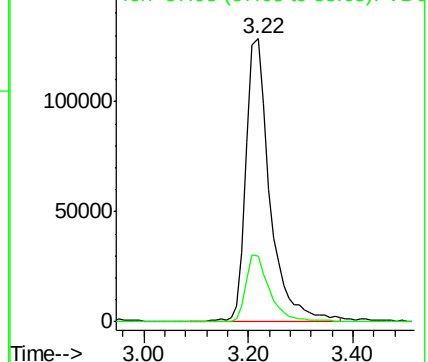
Ion Ratio Lower Upper

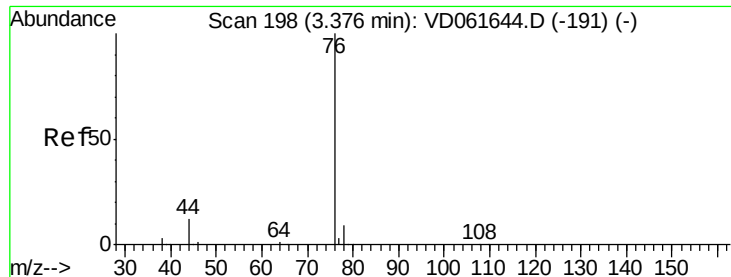
43 100

58 23.5 19.7 29.5



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

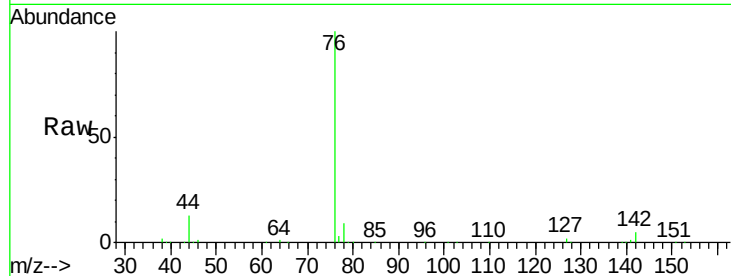




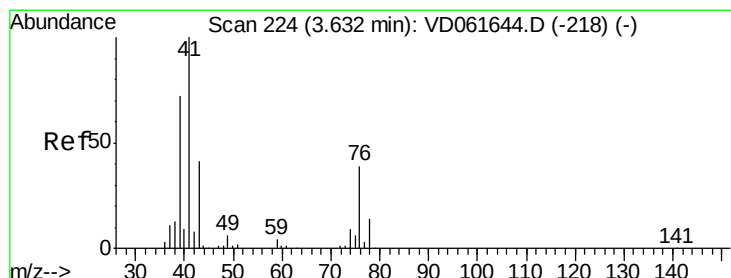
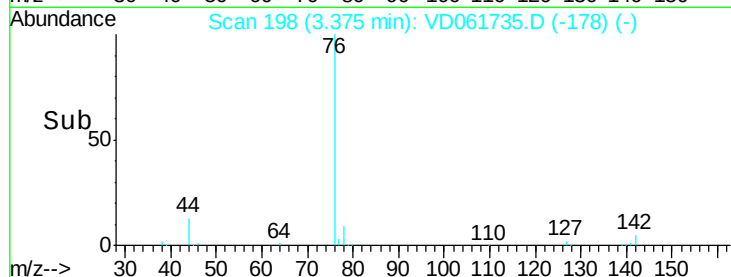
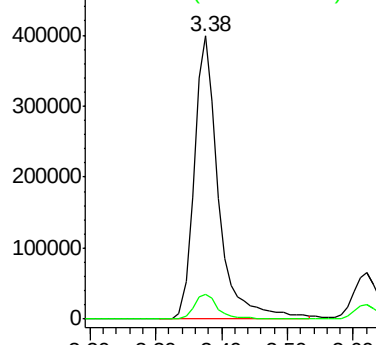
#17
Carbon Disulfide
Concen: 47.015 ug/l
RT: 3.38 min Scan# 198
Delta R.T. -0.00 min
Lab File: VD061735.D
Acq: 11 Apr 2019 12:10

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 76 Resp: 1028262
Ion Ratio Lower Upper
76 100
78 8.9 7.4 11.2

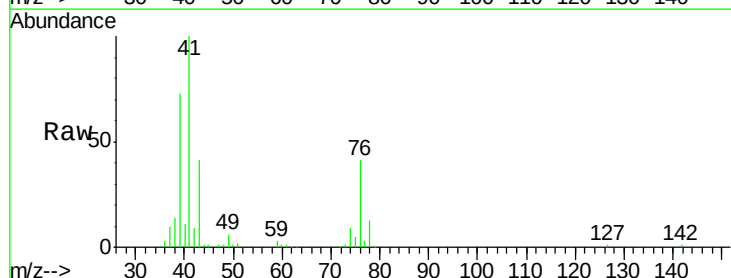


Abundance Ion 75.85 (75.55 to 76.55): VDC
Ion 77.85 (77.55 to 78.55): VDC

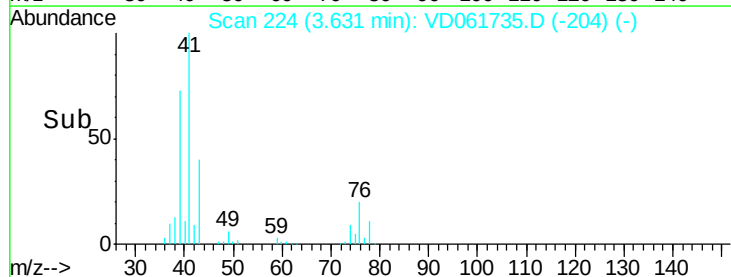
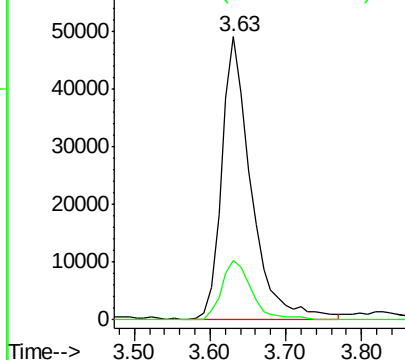


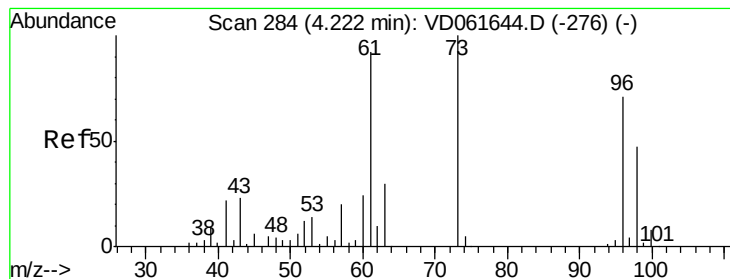
#18
Methyl Acetate
Concen: 48.373 ug/l
RT: 3.63 min Scan# 224
Delta R.T. -0.00 min
Lab File: VD061735.D
Acq: 11 Apr 2019 12:10

Tgt Ion: 43 Resp: 133150
Ion Ratio Lower Upper
43 100
74 20.8 18.2 27.2



Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 74.00 (73.70 to 74.70): VDC



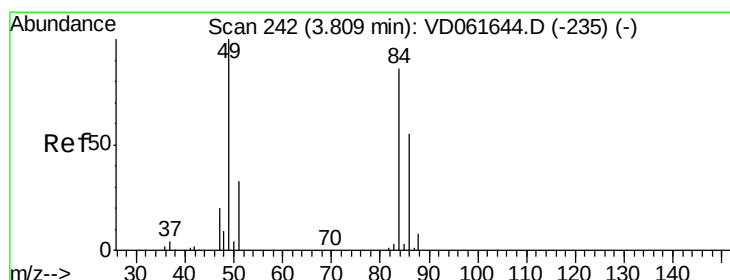
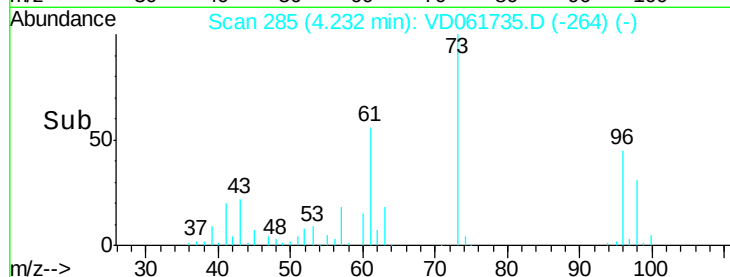
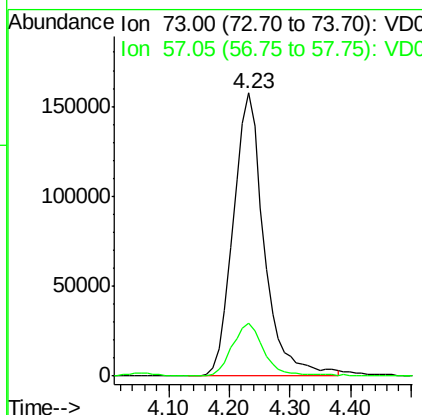
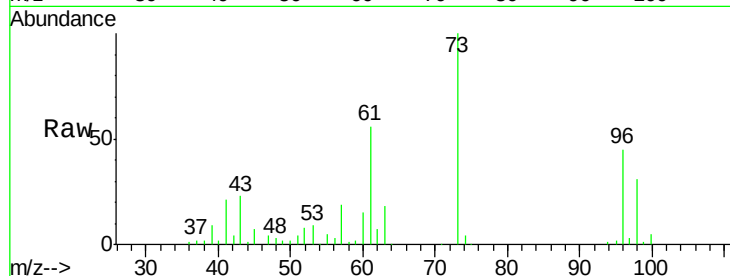


#19

Methyl tert-butyl Ether
 Concen: 48.022 ug/l
 RT: 4.23 min Scan# 285
 Delta R.T. 0.01 min
 Lab File: VD061735.D
 Acq: 11 Apr 2019 12:10

Instrument :
 MSVOA_D
 ClientSampleId :

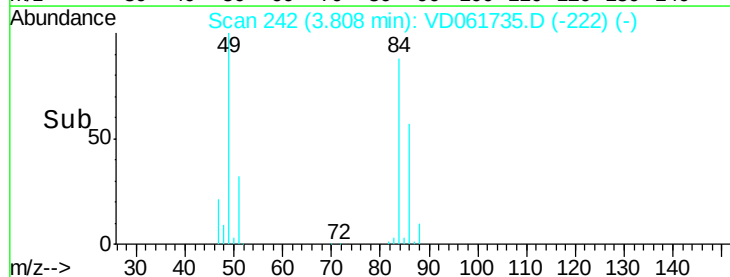
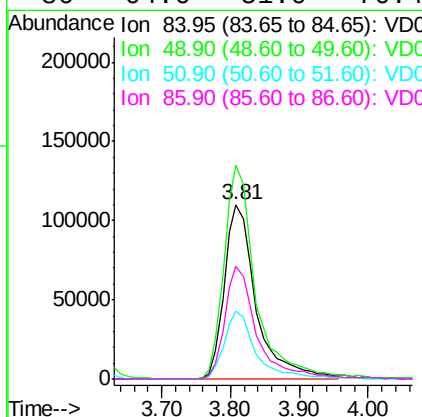
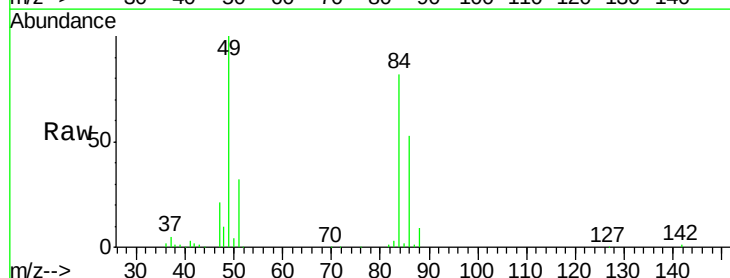
Tot Ion: 73 Resp: 559676
 Ion Ratio Lower Upper
 73 100
 57 18.6 16.0 24.0

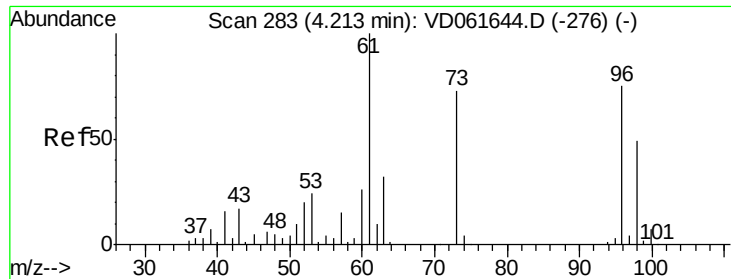


#20

Methylene Chloride
 Concen: 42.546 ug/l
 RT: 3.81 min Scan# 242
 Delta R.T. 0.00 min
 Lab File: VD061735.D
 Acq: 11 Apr 2019 12:10

Tgt Ion: 84 Resp: 353213
 Ion Ratio Lower Upper
 84 100
 49 122.5 93.0 139.4
 51 38.8 30.4 45.6
 86 64.6 51.0 76.4





#21

trans-1,2-Dichloroethene

Concen: 46.903 ug/l

RT: 4.21 min Scan# 283

Delta R.T. -0.00 min

Lab File: VD061735.D

Acq: 11 Apr 2019 12:10

Instrument :

MSVOA_D

ClientSampleId :

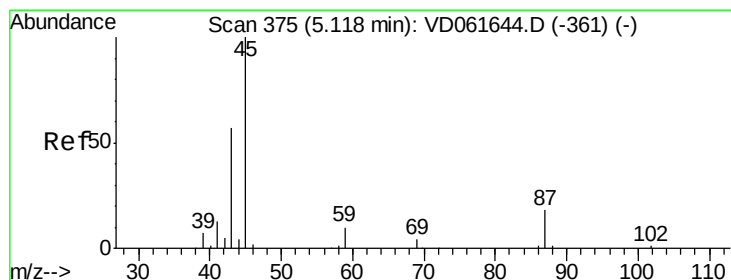
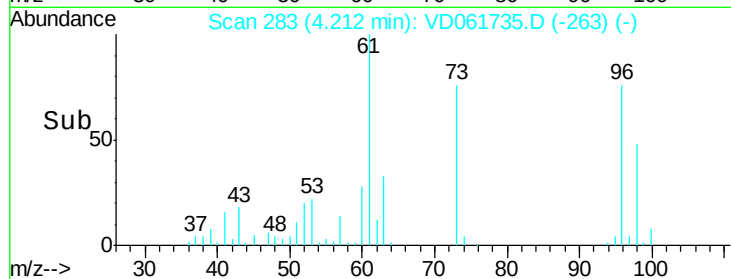
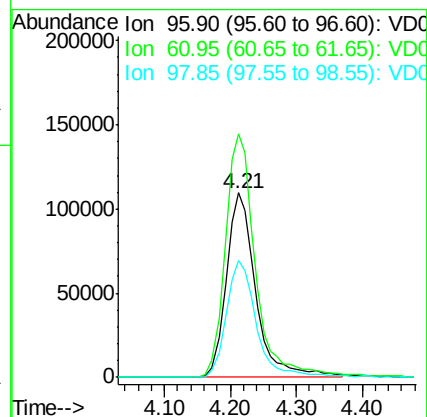
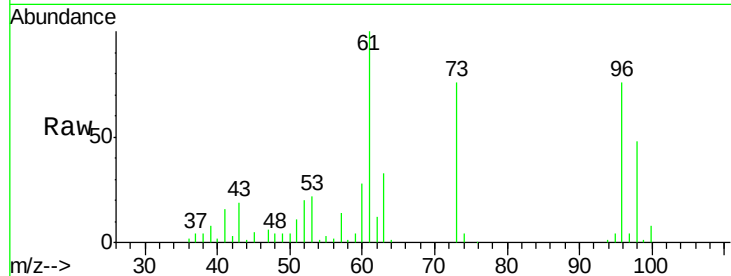
Tot Ion: 96 Resp: 342885

Ion Ratio Lower Upper

96 100

61 132.1 106.8 160.2

98 63.1 52.2 78.2



#22

Diisopropyl ether

Concen: 47.749 ug/l

RT: 5.11 min Scan# 374

Delta R.T. -0.01 min

Lab File: VD061735.D

Acq: 11 Apr 2019 12:10

Tgt Ion: 45 Resp: 919059

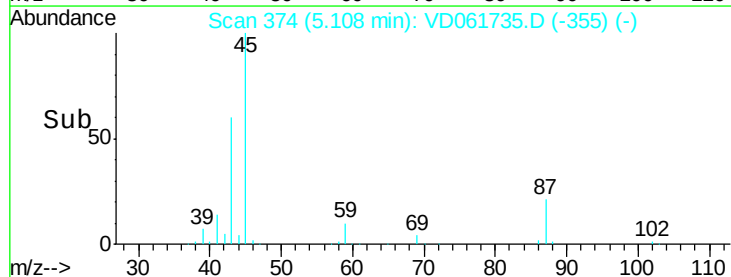
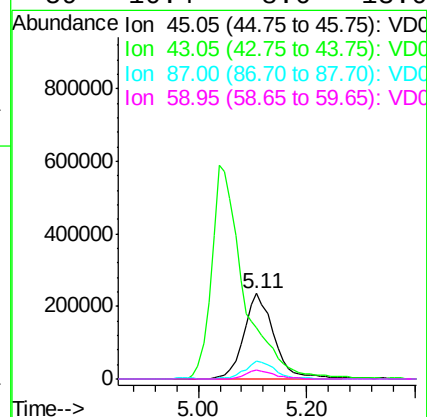
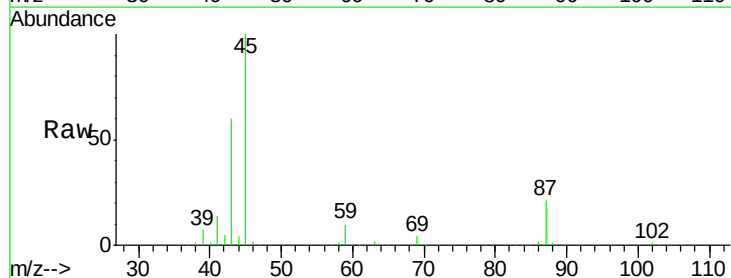
Ion Ratio Lower Upper

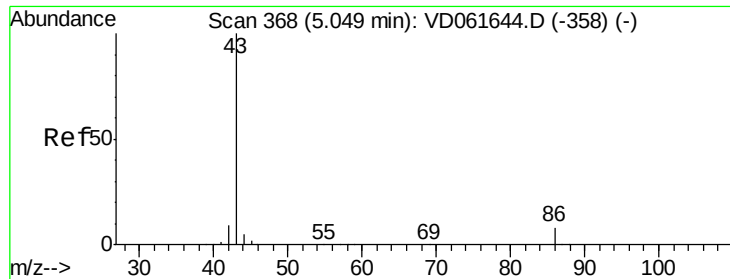
45 100

43 59.9 46.6 70.0

87 20.6 15.6 23.4

59 10.4 8.6 13.0





#23

Vinyl Acetate

Concen: 225.595 ug/l

RT: 5.04 min Scan# 367

Delta R.T. -0.01 min

Lab File: VD061735.D

Acq: 11 Apr 2019 12:10

Instrument :

MSVOA_D

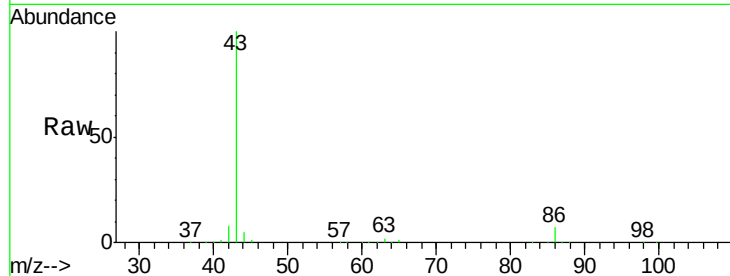
ClientSampled :

Tot Ion: 43 Resp: 2395932

Ion Ratio Lower Upper

43 100

86 7.5 6.4 9.6



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC

5.04

600000

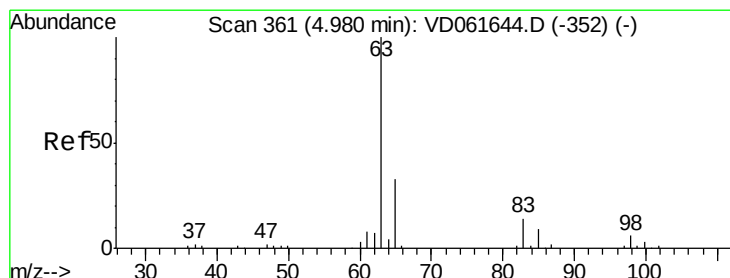
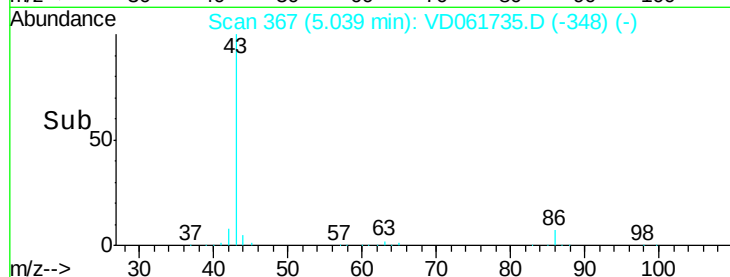
400000

200000

0

Time-->

4.90 5.00 5.10 5.20



#24

1,1-Dichloroethane

Concen: 46.082 ug/l

RT: 4.98 min Scan# 361

Delta R.T. -0.00 min

Lab File: VD061735.D

Acq: 11 Apr 2019 12:10

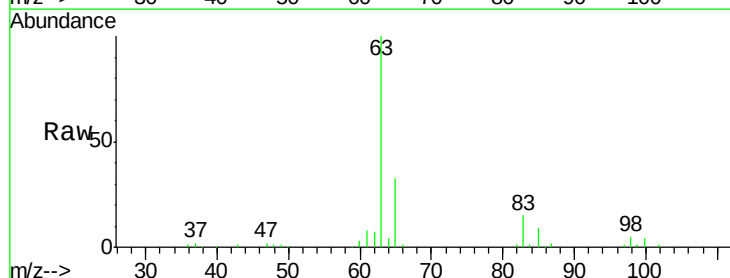
Tgt Ion: 63 Resp: 543527

Ion Ratio Lower Upper

63 100

98 5.1 2.9 8.6

100 3.6 1.7 5.1



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

4.98

200000

150000

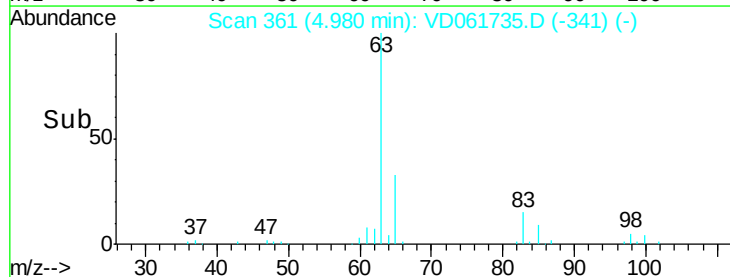
100000

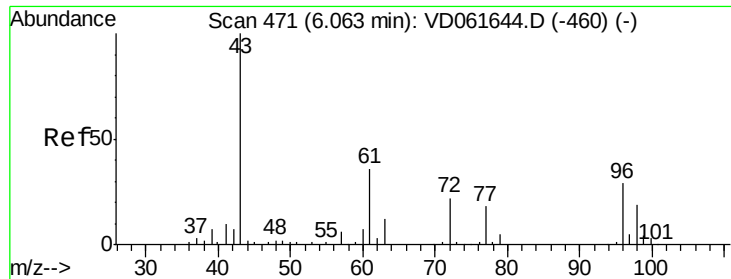
50000

0

Time-->

4.80 4.90 5.00 5.10 5.20





#25

2-Butanone

Concen: 243.292 ug/l

RT: 6.06 min Scan# 471

Delta R.T. -0.00 min

Lab File: VD061735.D

Acq: 11 Apr 2019 12:10

Instrument :

MSVOA_D

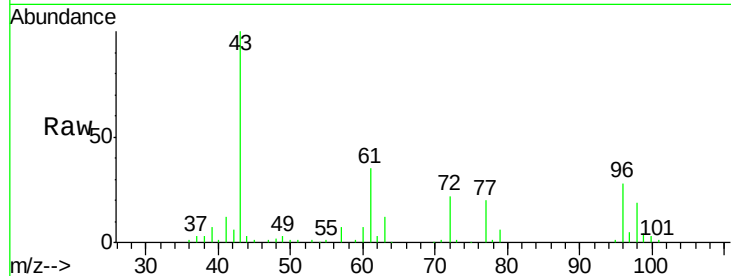
ClientSampleId :

Tot Ion: 43 Resp: 410334

Ion Ratio Lower Upper

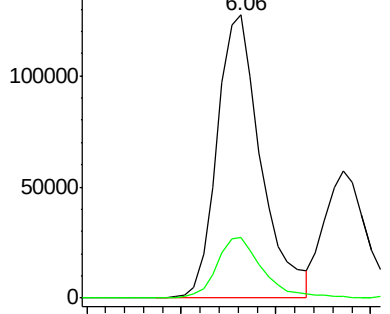
43 100

72 21.6 17.4 26.2

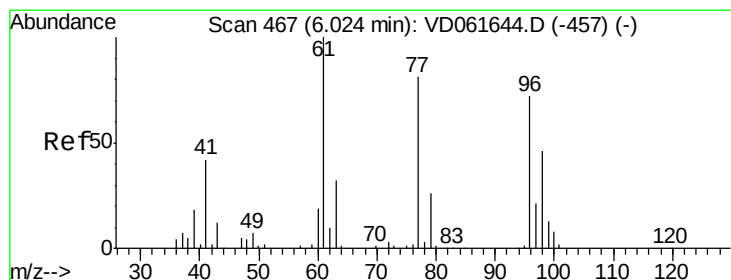
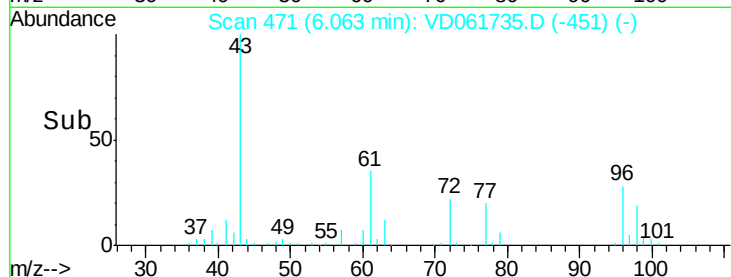


Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



Time--> 5.90 6.00 6.10



#26

2,2-Dichloropropane

Concen: 50.990 ug/l

RT: 6.01 min Scan# 466

Delta R.T. -0.01 min

Lab File: VD061735.D

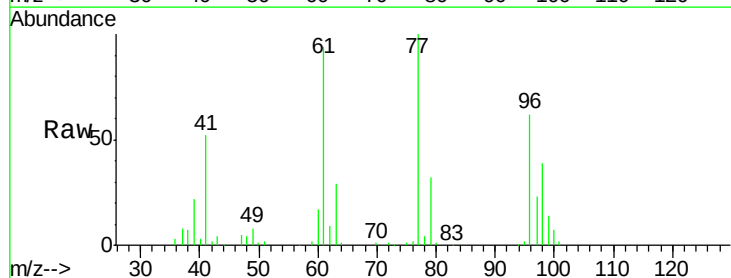
Acq: 11 Apr 2019 12:10

Tgt Ion: 77 Resp: 489709

Ion Ratio Lower Upper

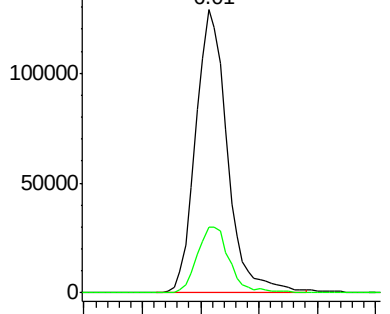
77 100

97 23.4 12.7 38.0

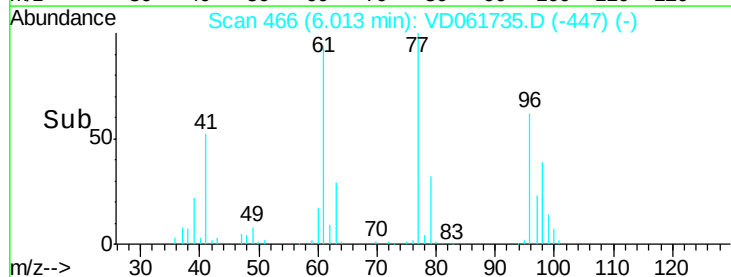


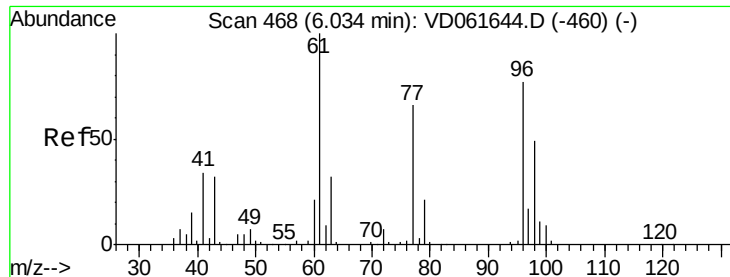
Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



Time--> 5.80 5.90 6.00 6.10 6.20



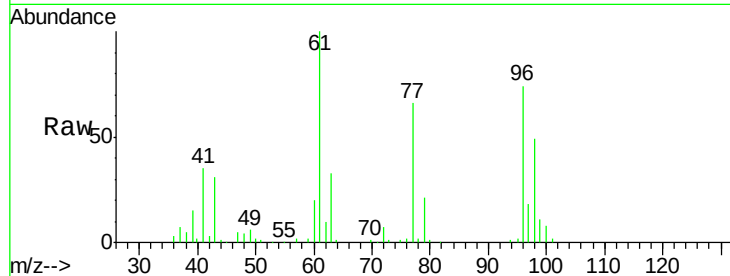


#27

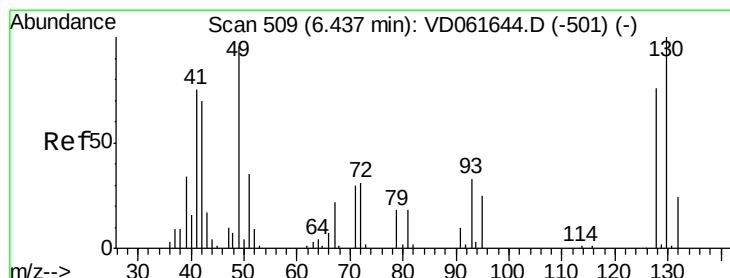
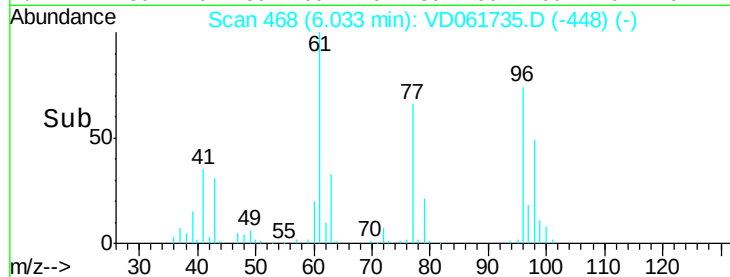
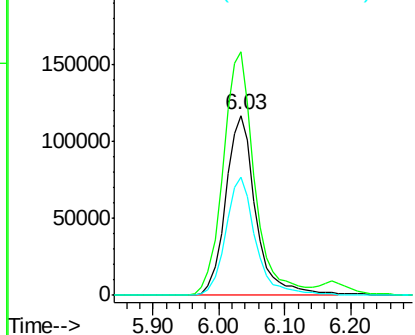
cis-1,2-Dichloroethene
Concen: 47.858 ug/l
RT: 6.03 min Scan# 468
Delta R.T. -0.00 min
Lab File: VD061735.D
Acq: 11 Apr 2019 12:10

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 96 Resp: 373242
Ion Ratio Lower Upper
96 100
61 135.4 0.0 259.8
98 66.0 0.0 127.6



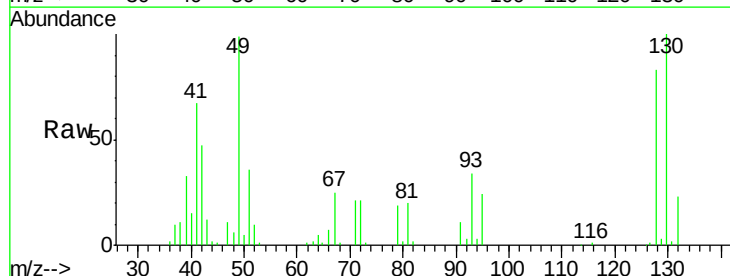
Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 97.85 (97.55 to 98.55): VDC



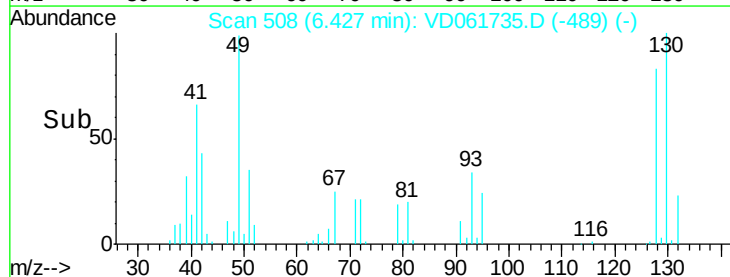
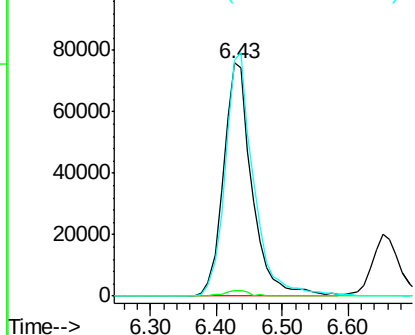
#28

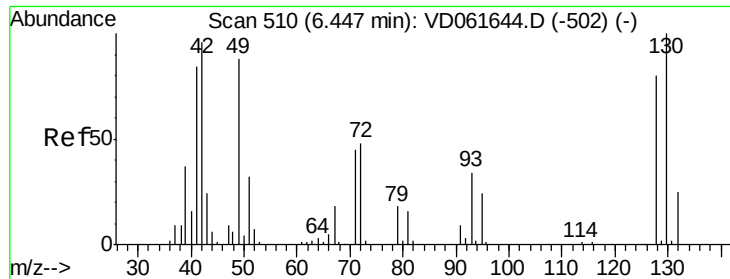
Bromochloromethane
Concen: 52.897 ug/l
RT: 6.43 min Scan# 508
Delta R.T. -0.01 min
Lab File: VD061735.D
Acq: 11 Apr 2019 12:10

Tgt Ion: 49 Resp: 230150
Ion Ratio Lower Upper
49 100
129 2.6 0.0 4.0
130 101.3 83.3 124.9



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

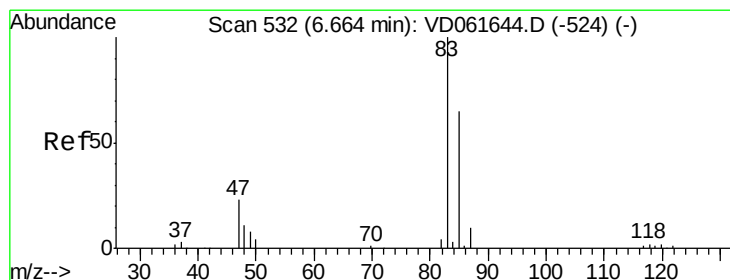
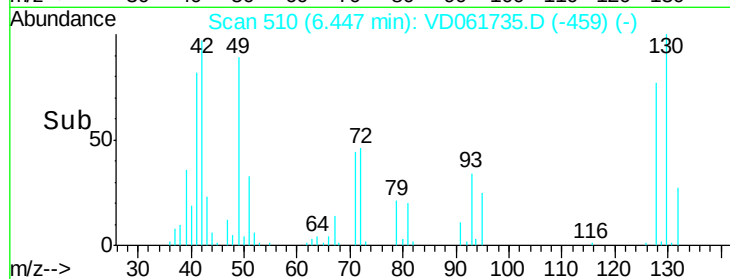
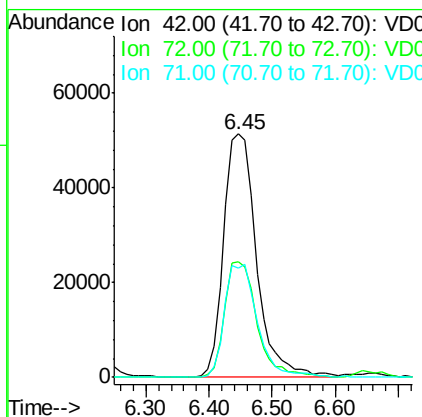
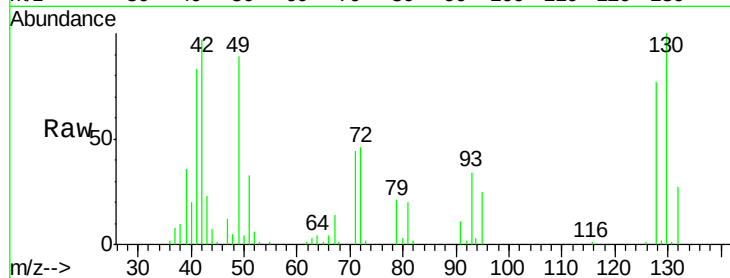




#29
Tetrahydrofuran
Concen: 229.001 ug/l
RT: 6.45 min Scan# 510
Delta R.T. -0.00 min
Lab File: VD061735.D
Acq: 11 Apr 2019 12:10

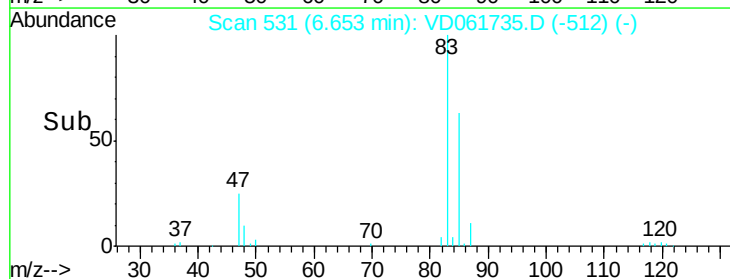
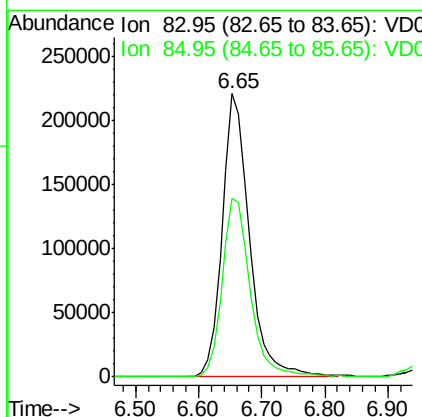
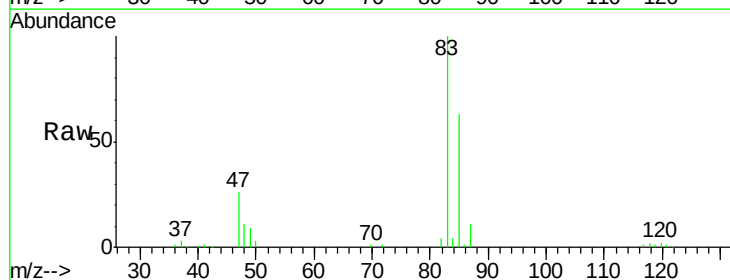
Instrument :
MSVOA_D
ClientSampleId :

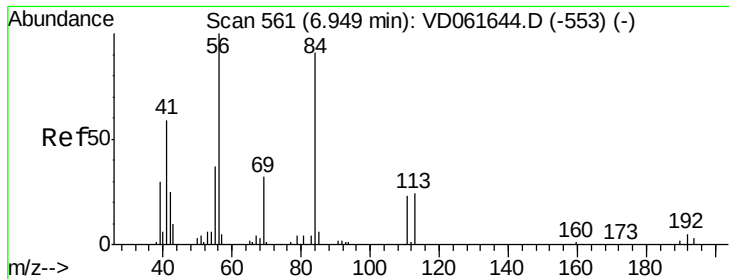
Tot Ion: 42 Resp: 186447
Ion Ratio Lower Upper
42 100
72 46.6 37.0 55.6
71 46.5 36.5 54.7



#30
Chloroform
Concen: 53.440 ug/l
RT: 6.65 min Scan# 531
Delta R.T. -0.01 min
Lab File: VD061735.D
Acq: 11 Apr 2019 12:10

Tgt Ion: 83 Resp: 660314
Ion Ratio Lower Upper
83 100
85 63.2 51.9 77.9

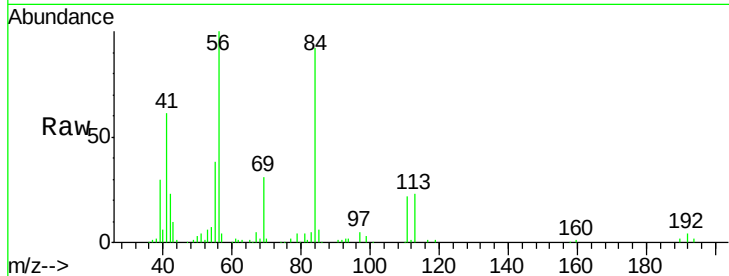




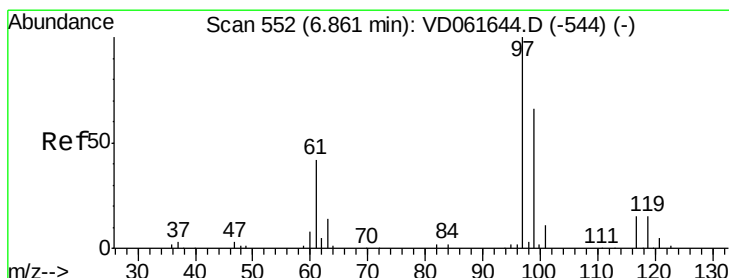
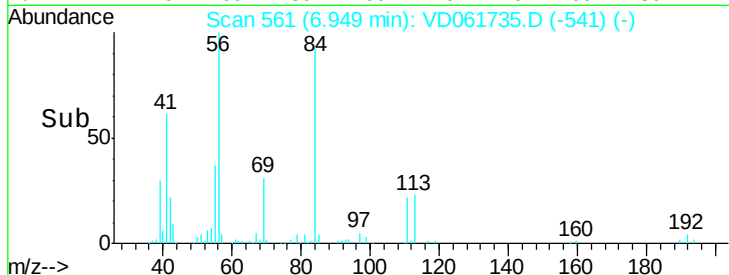
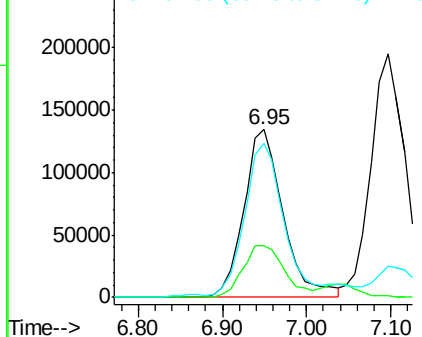
#31
Cyclohexane
Concen: 47.735 ug/l
RT: 6.95 min Scan# 561
Delta R.T. -0.00 min
Lab File: VD061735.D
Acq: 11 Apr 2019 12:10

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 56 Resp: 439844
Ion Ratio Lower Upper
56 100
69 30.8 25.8 38.6
84 91.8 74.2 111.2

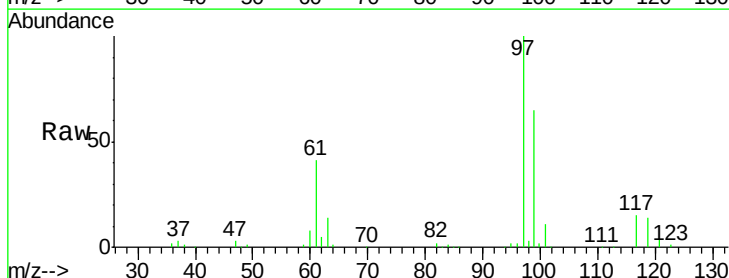


Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.05 (83.75 to 84.75): VDC

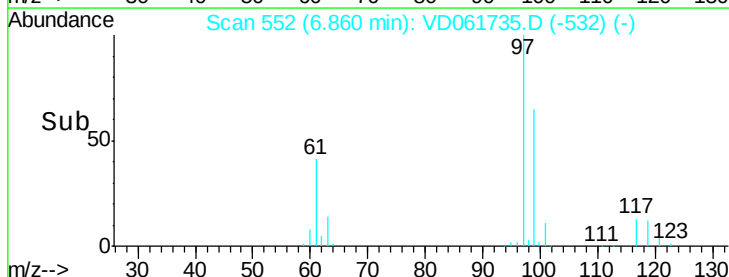
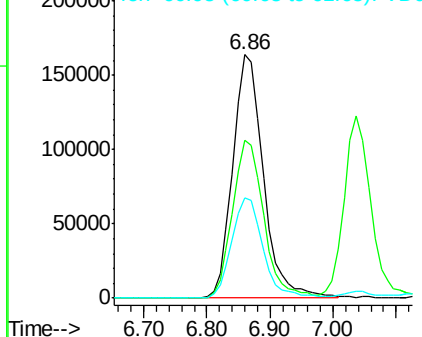


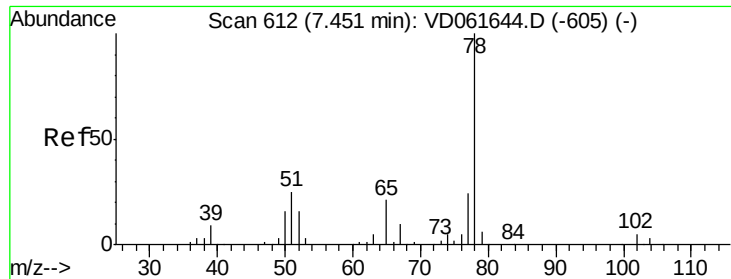
#32
1,1,1-Trichloroethane
Concen: 50.790 ug/l
RT: 6.86 min Scan# 552
Delta R.T. -0.00 min
Lab File: VD061735.D
Acq: 11 Apr 2019 12:10

Tgt Ion: 97 Resp: 549945
Ion Ratio Lower Upper
97 100
99 65.0 52.5 78.7
61 41.4 33.4 50.0



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

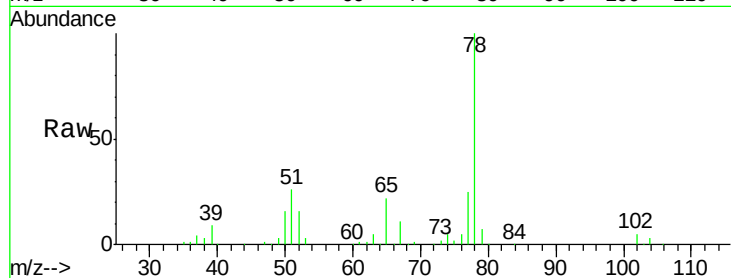




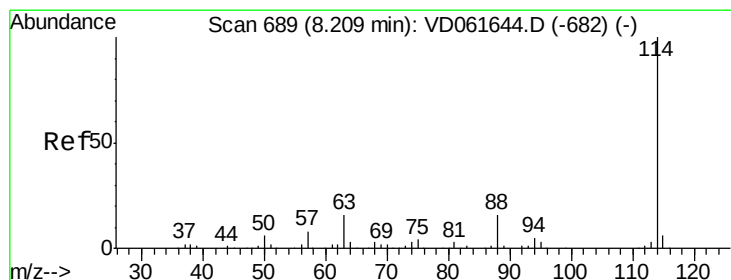
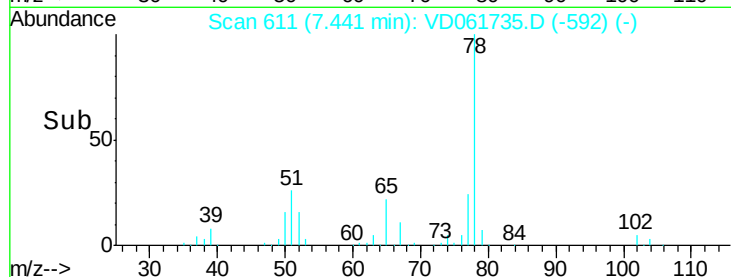
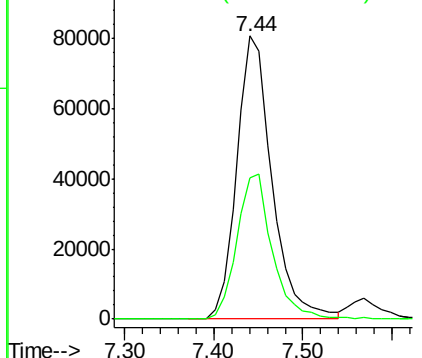
#33
 1,2-Dichloroethane-d4
 Concen: 50.790 ug/l
 RT: 7.44 min Scan# 611
 Delta R.T. -0.01 min
 Lab File: VD061735.D
 Acq: 11 Apr 2019 12:10

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion: 65 Resp: 221112
 Ion Ratio Lower Upper
 65 100
 67 50.1 0.0 99.4

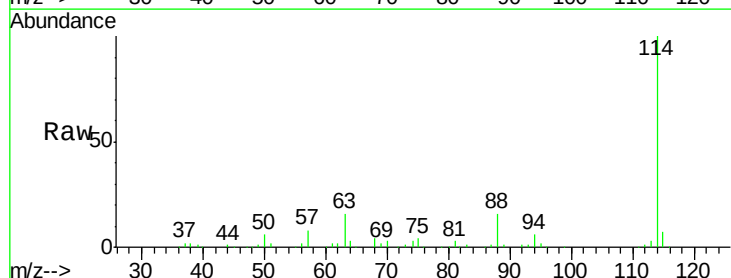


Abundance Ion 64.95 (64.65 to 65.65): VDC
 Ion 66.90 (66.60 to 67.60): VDC

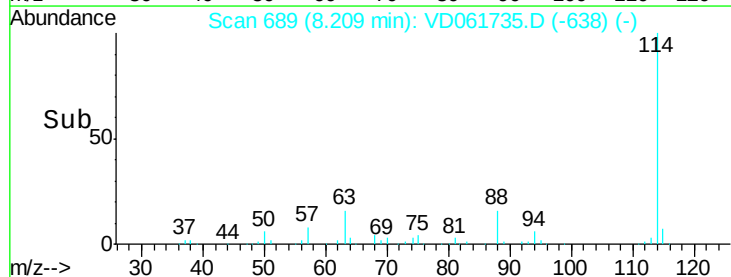
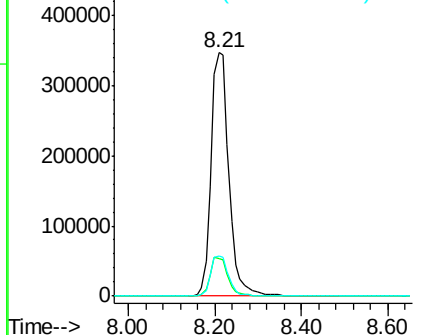


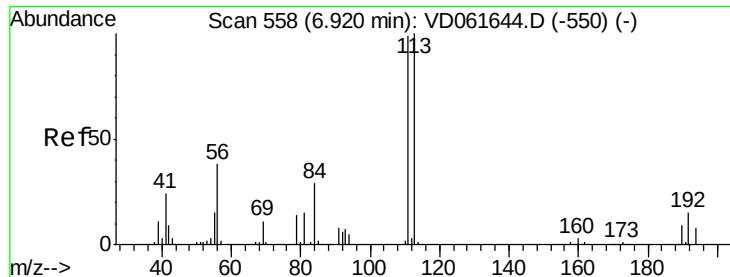
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.21 min Scan# 689
 Delta R.T. -0.00 min
 Lab File: VD061735.D
 Acq: 11 Apr 2019 12:10

Tgt Ion: 114 Resp: 993227
 Ion Ratio Lower Upper
 114 100
 63 15.6 0.0 31.2
 88 16.4 0.0 31.8



Abundance Ion 114.00 (113.70 to 114.70): V
 Ion 62.95 (62.65 to 63.65): VDC
 Ion 87.90 (87.60 to 88.60): VDC





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 6.92 min Scan# 558

Delta R.T. -0.00 min

Lab File: VD061735.D

Acq: 11 Apr 2019 12:10

Instrument :
MSVOA_D
ClientSampleId :

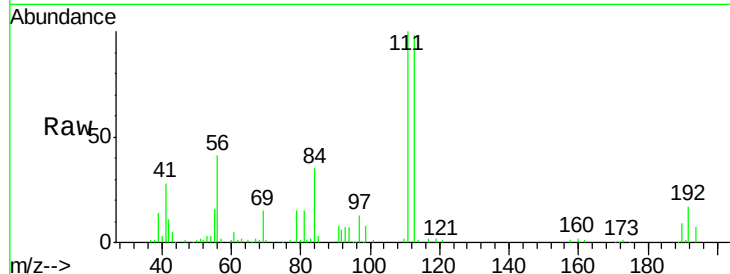
Tot Ion:113 Resp: 349993

Ion Ratio Lower Upper

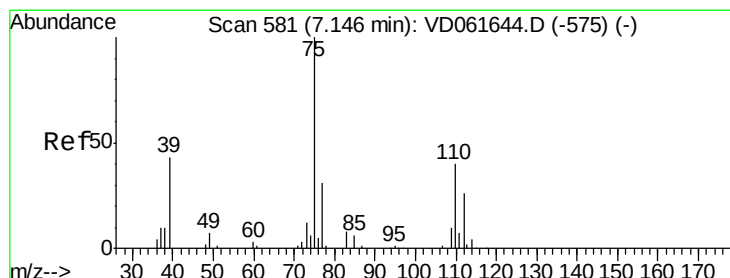
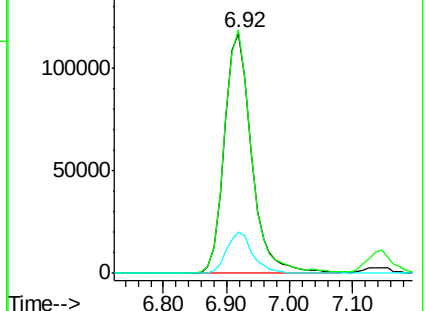
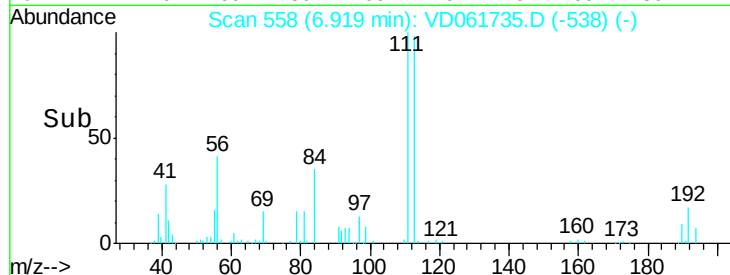
113 100

111 101.5 79.3 118.9

192 17.3 12.3 18.5



Abundance Ion 112.90 (112.60 to 113.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 191.80 (191.50 to 192.50): V



#36

1,1-Dichloropropene

Concen: 51.057 ug/l

RT: 7.14 min Scan# 580

Delta R.T. -0.01 min

Lab File: VD061735.D

Acq: 11 Apr 2019 12:10

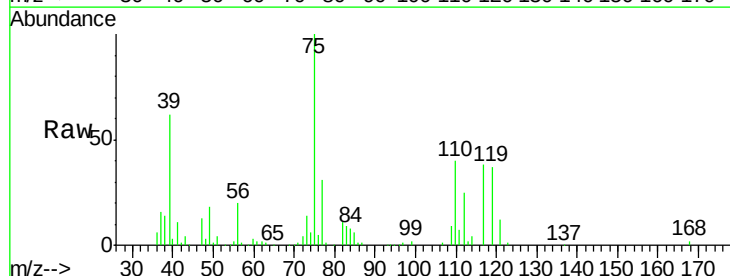
Tgt Ion: 75 Resp: 443816

Ion Ratio Lower Upper

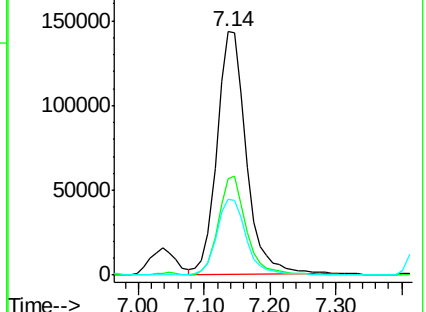
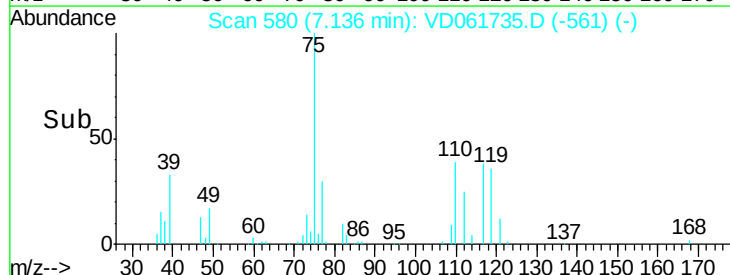
75 100

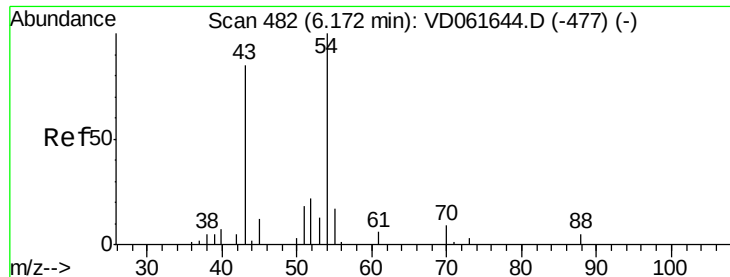
110 39.8 19.7 59.0

77 31.0 24.8 37.2



Abundance Ion 75.00 (74.70 to 75.70): VDC
Ion 109.90 (109.60 to 110.60): V
Ion 76.95 (76.65 to 77.65): VDC

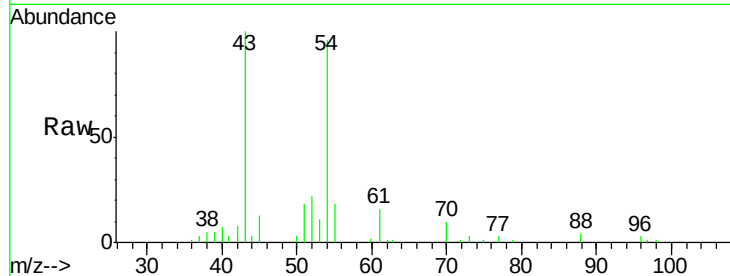




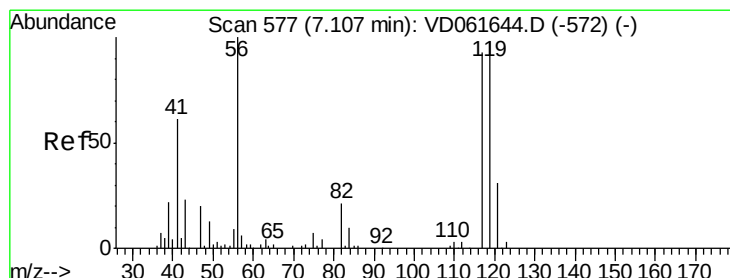
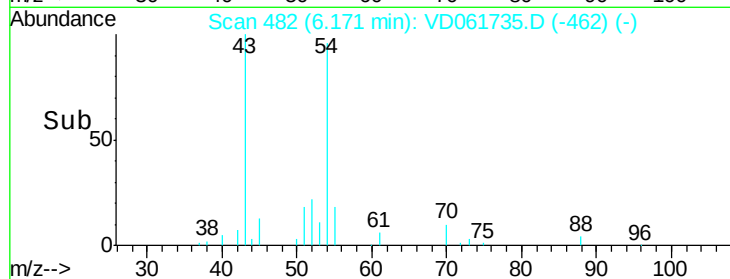
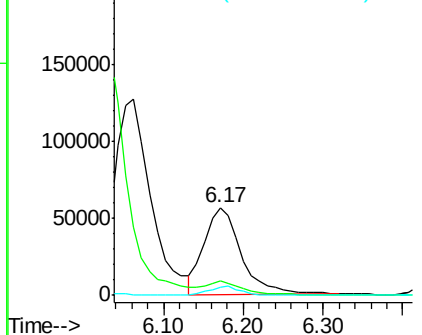
#37
Ethyl Acetate
Concen: 51.607 ug/l
RT: 6.17 min Scan# 482
Delta R.T. -0.00 min
Lab File: VD061735.D
Acq: 11 Apr 2019 12:10

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 43 Resp: 182718
Ion Ratio Lower Upper
43 100
61 15.8 11.9 17.9
70 9.7 6.9 10.3

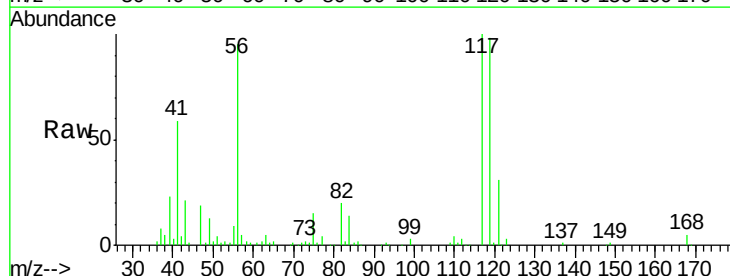


Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 70.00 (69.70 to 70.70): VDC

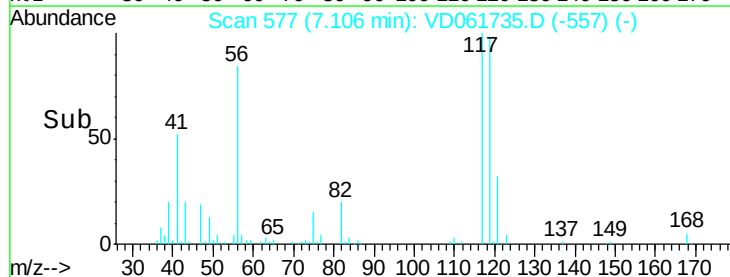
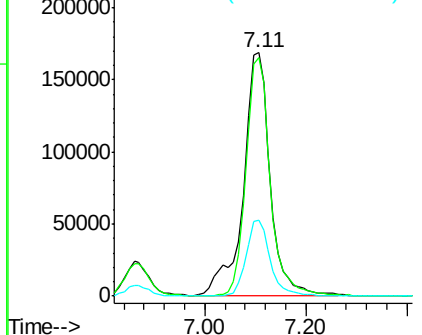


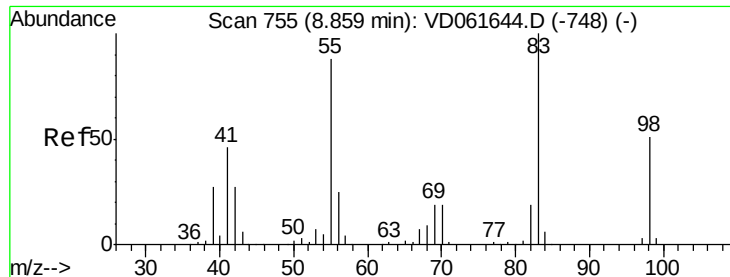
#38
Carbon Tetrachloride
Concen: 61.257 ug/l
RT: 7.11 min Scan# 577
Delta R.T. -0.00 min
Lab File: VD061735.D
Acq: 11 Apr 2019 12:10

Tgt Ion: 117 Resp: 624065
Ion Ratio Lower Upper
117 100
119 97.8 77.9 116.9
121 31.4 24.7 37.1



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

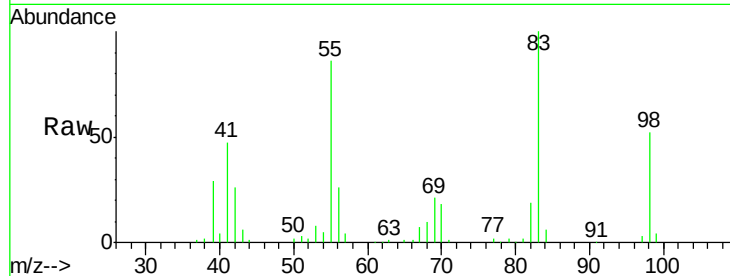




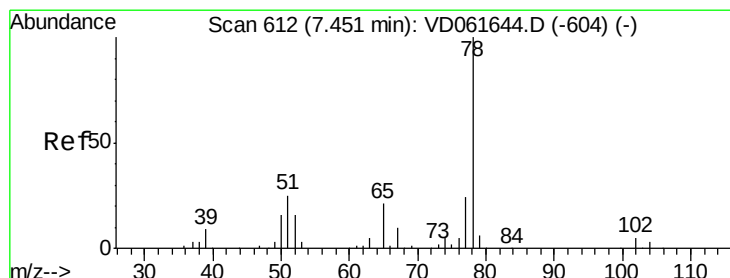
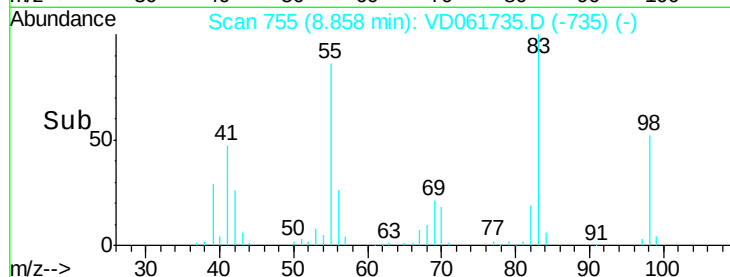
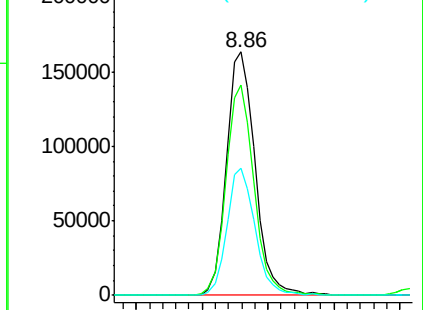
#39
Methylvlcyclohexane
Concen: 55.707 ug/l
RT: 8.86 min Scan# 755
Delta R.T. -0.00 min
Lab File: VD061735.D
Acq: 11 Apr 2019 12:10

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 83 Resp: 497148
Ion Ratio Lower Upper
83 100
55 86.4 70.3 105.5
98 52.1 41.0 61.6

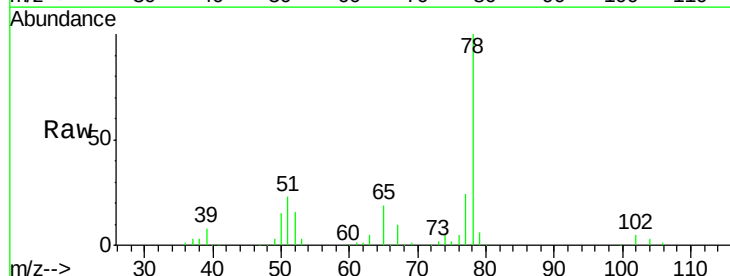


Abundance Ion 83.05 (82.75 to 83.75): VDC
Ion 55.00 (54.70 to 55.70): VDC
Ion 98.05 (97.75 to 98.75): VDC

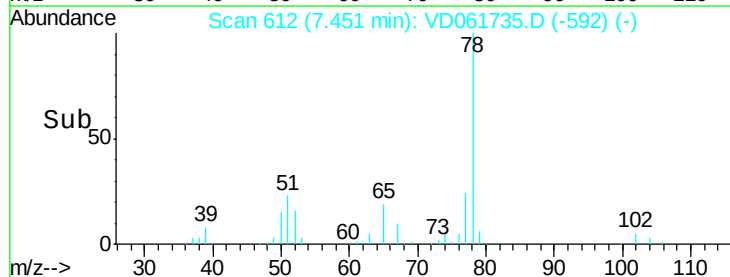
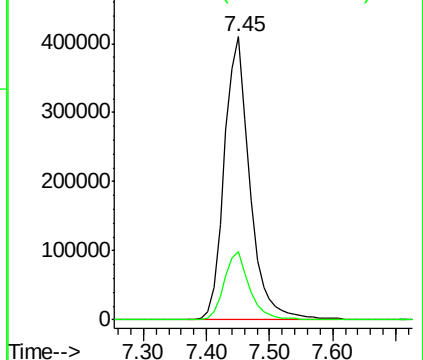


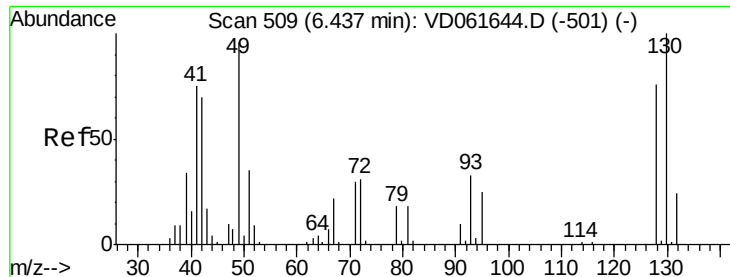
#40
Benzene
Concen: 54.817 ug/l
RT: 7.45 min Scan# 612
Delta R.T. -0.00 min
Lab File: VD061735.D
Acq: 11 Apr 2019 12:10

Tgt Ion: 78 Resp: 1149553
Ion Ratio Lower Upper
78 100
77 24.2 19.5 29.3



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

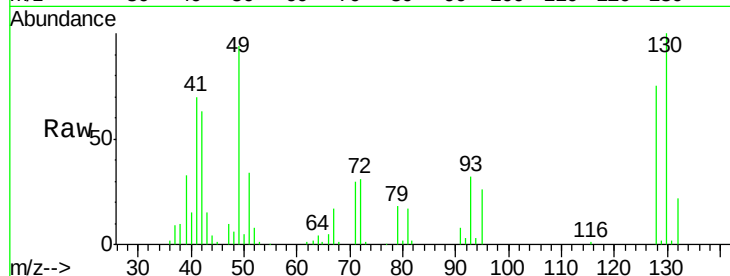




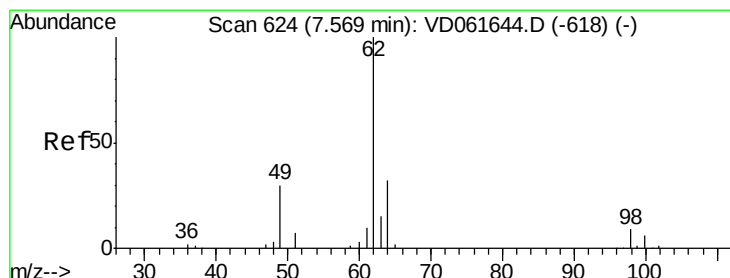
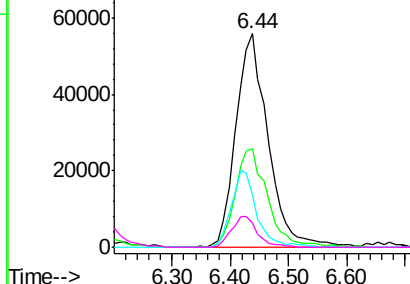
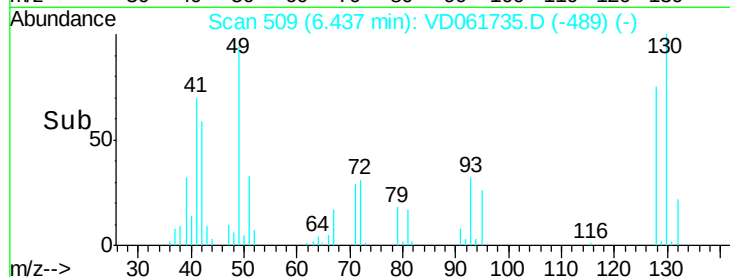
#41
Methacrylonitrile
Concen: 51.722 ug/l
RT: 6.44 min Scan# 509
Delta R.T. -0.00 min
Lab File: VD061735.D
Acq: 11 Apr 2019 12:10

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 41 Resp: 213774
Ion Ratio Lower Upper
41 100
39 46.3 36.2 54.2
67 24.4 23.2 34.8
52 11.4 10.0 15.0

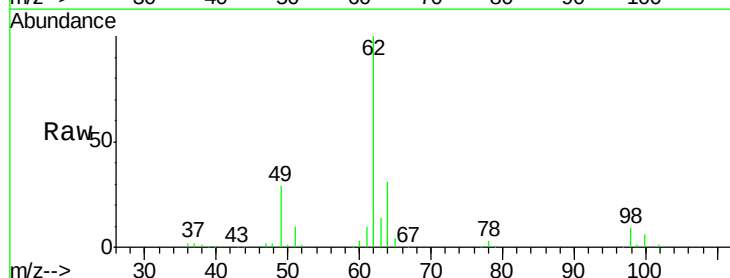


Abundance Ion 40.95 (40.65 to 41.65): VDC
Ion 38.95 (38.65 to 39.65): VDC
Ion 67.00 (66.70 to 67.70): VDC
Ion 52.00 (51.70 to 52.70): VDC

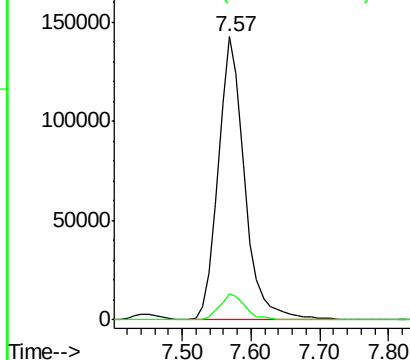
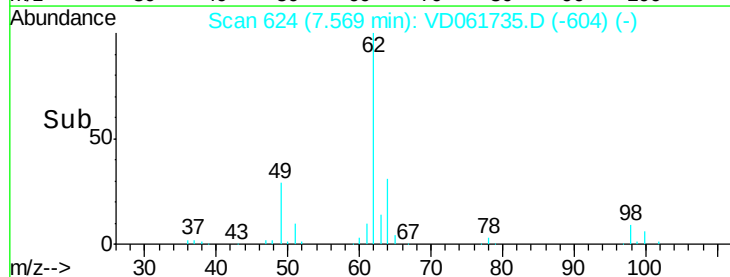


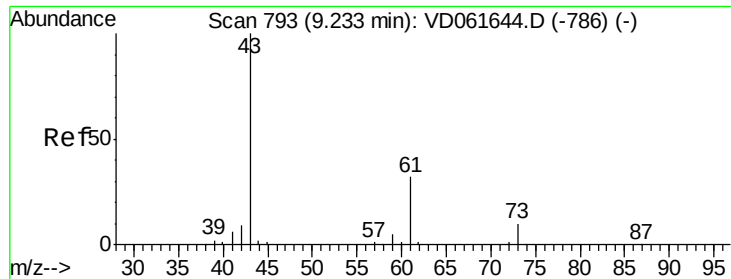
#42
1,2-Dichloroethane
Concen: 57.445 ug/l
RT: 7.57 min Scan# 624
Delta R.T. -0.00 min
Lab File: VD061735.D
Acq: 11 Apr 2019 12:10

Tgt Ion: 62 Resp: 378854
Ion Ratio Lower Upper
62 100
98 9.4 0.0 17.8



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



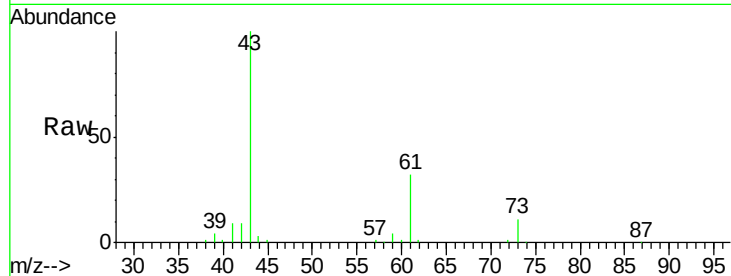


#43

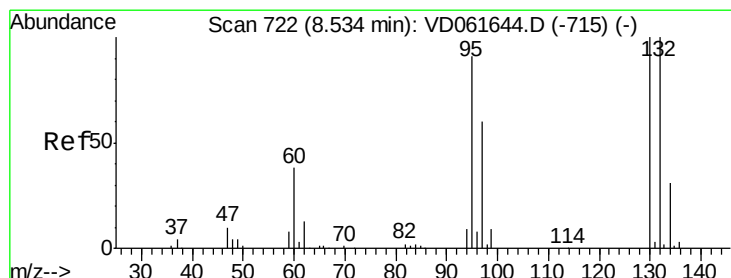
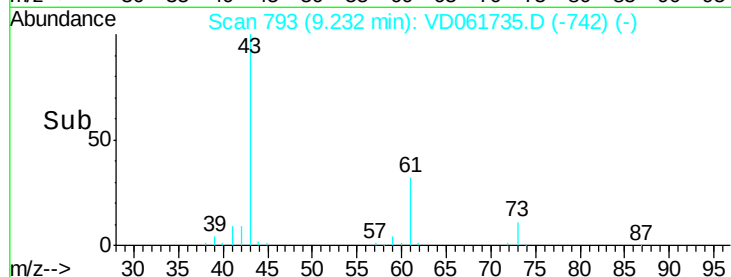
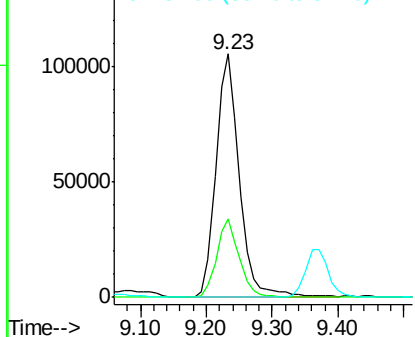
Isopropyl Acetate
 Concen: 50.318 ug/l
 RT: 9.23 min Scan# 793
 Delta R.T. -0.00 min
 Lab File: VD061735.D
 Acq: 11 Apr 2019 12:10

Instrument :
 MSVOA_D
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
43	100		
61	32.0	25.9	38.9
87	0.3	0.2	0.4



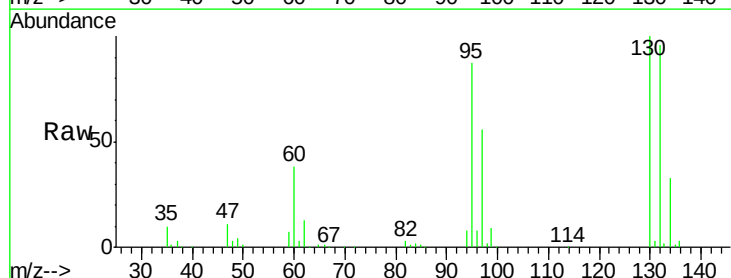
Abundance Ion 42.95 (42.65 to 43.65): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 87.00 (86.70 to 87.70): VDC



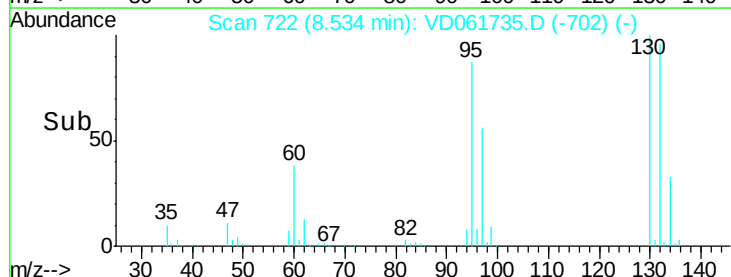
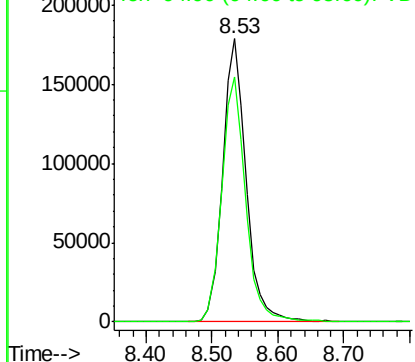
#44

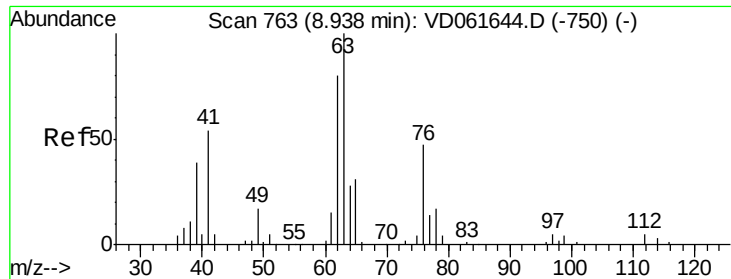
Trichloroethene
 Concen: 55.242 ug/l
 RT: 8.53 min Scan# 722
 Delta R.T. -0.00 min
 Lab File: VD061735.D
 Acq: 11 Apr 2019 12:10

Tgt Ion	Ratio	Lower	Upper
130	100		
95	86.7	0.0	181.8



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





#45

1,2-Dichloropropane

Concen: 52.869 ug/l

RT: 8.93 min Scan# 762

Delta R.T. -0.01 min

Lab File: VD061735.D

Acq: 11 Apr 2019 12:10

Instrument :

MSVOA_D

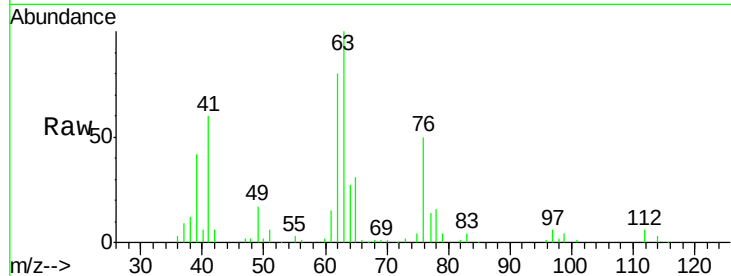
ClientSampleId :

Tot Ion: 63 Resp: 274951

Ion Ratio Lower Upper

63 100

65 30.6 24.5 36.7



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC

8.93

100000

80000

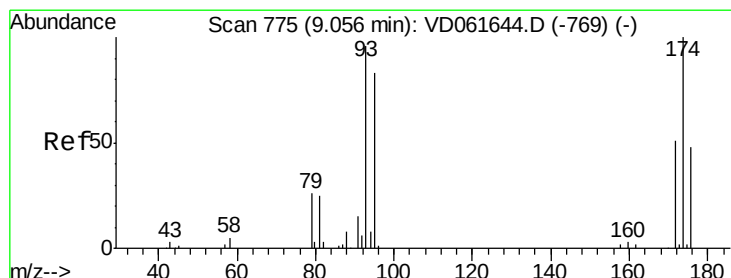
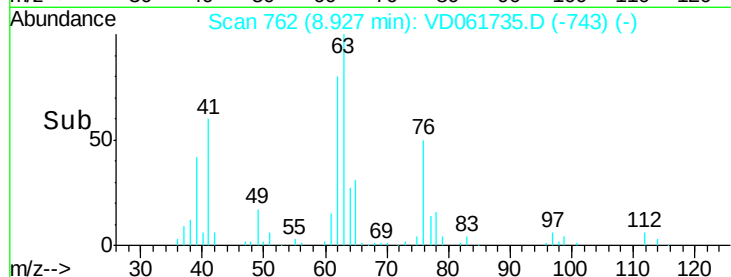
60000

40000

20000

0

Time-->



#46

Dibromomethane

Concen: 53.907 ug/l

RT: 9.06 min Scan# 775

Delta R.T. -0.00 min

Lab File: VD061735.D

Acq: 11 Apr 2019 12:10

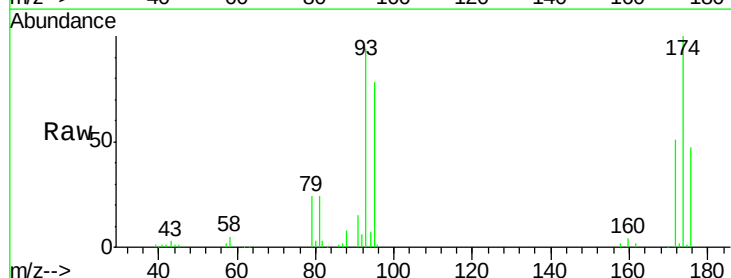
Tgt Ion: 93 Resp: 200366

Ion Ratio Lower Upper

93 100

95 83.6 68.6 103.0

174 106.9 83.0 124.4



Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V

9.06

100000

80000

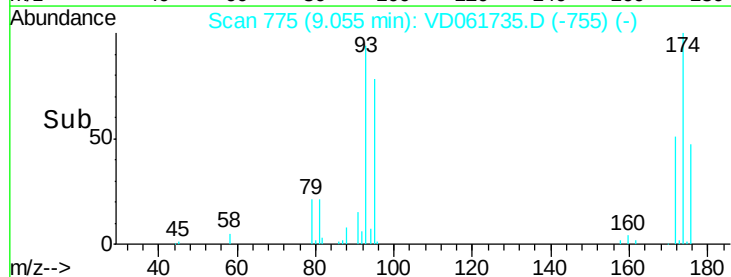
60000

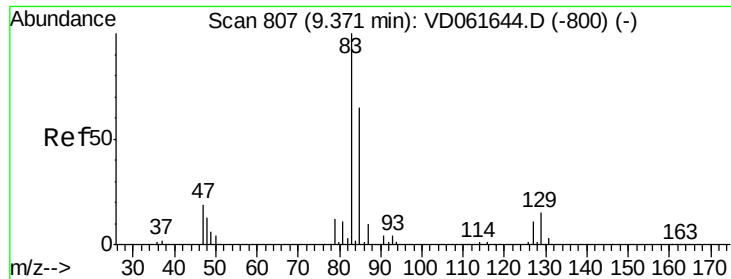
40000

20000

0

Time-->





#47

Bromodichloromethane

Concen: 58.430 ug/l

RT: 9.37 min Scan# 807

Delta R.T. -0.00 min

Lab File: VD061735.D

Acq: 11 Apr 2019 12:10

Instrument :

MSVOA_D

ClientSampleId :

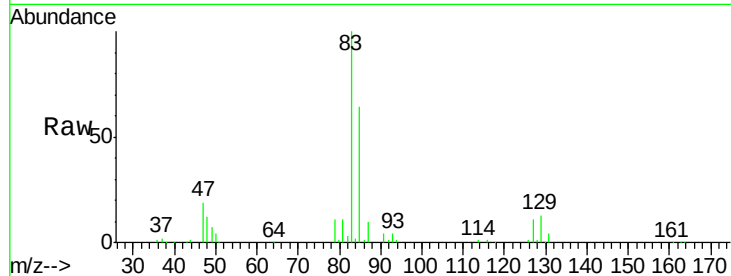
Tot Ion: 83 Resp: 476978

Ion Ratio Lower Upper

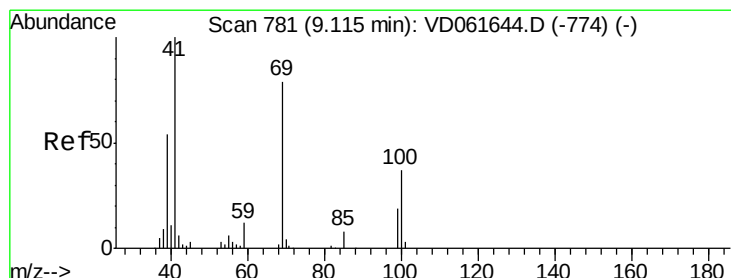
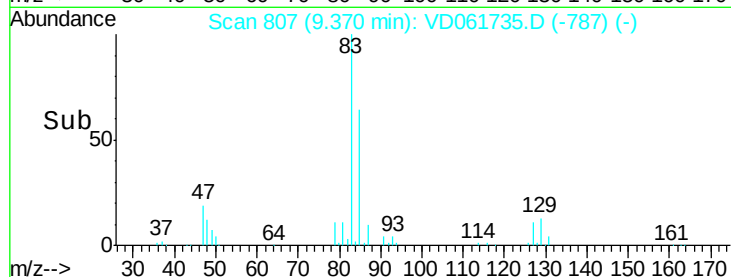
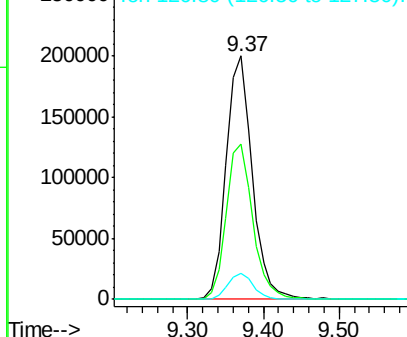
83 100

85 63.9 51.8 77.6

127 10.7 9.0 13.6



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: 54.217 ug/l

RT: 9.11 min Scan# 781

Delta R.T. -0.00 min

Lab File: VD061735.D

Acq: 11 Apr 2019 12:10

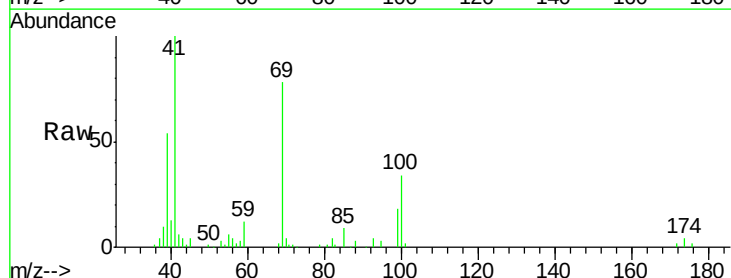
Tgt Ion: 41 Resp: 160589

Ion Ratio Lower Upper

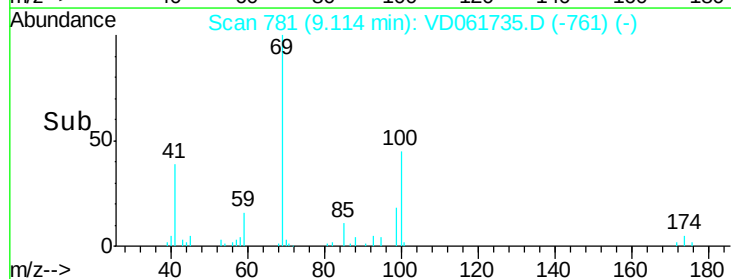
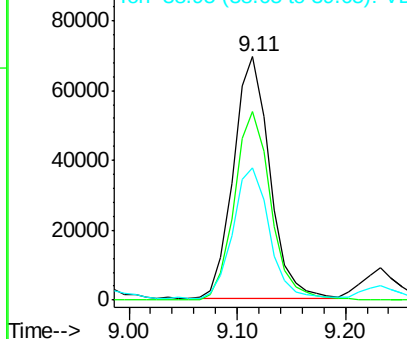
41 100

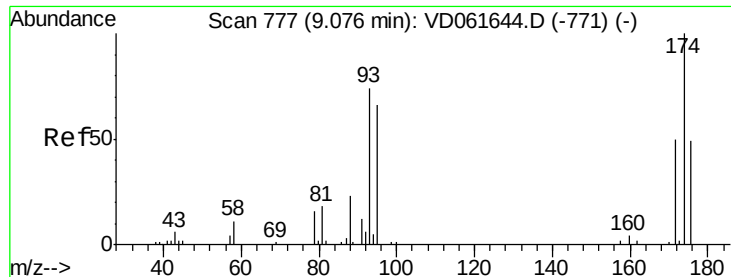
69 77.7 63.1 94.7

39 54.3 43.8 65.8



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

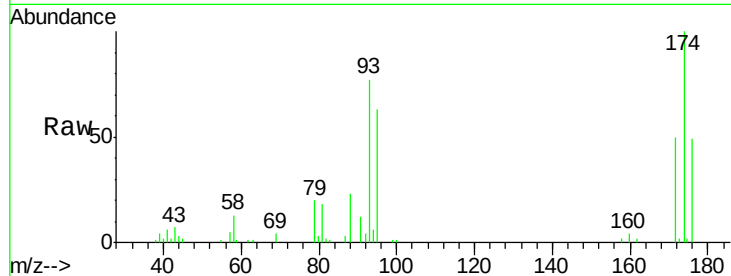




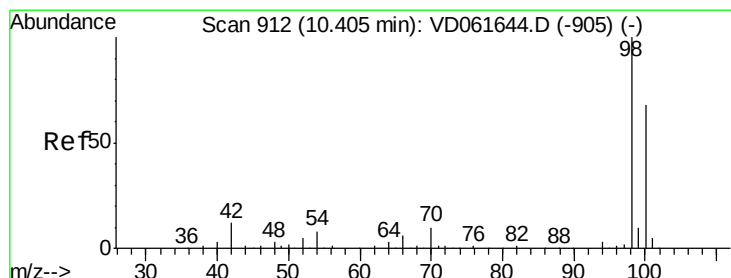
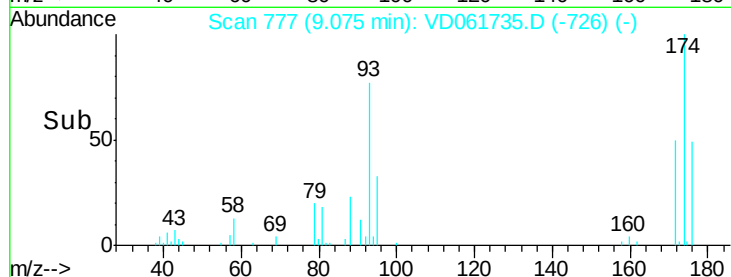
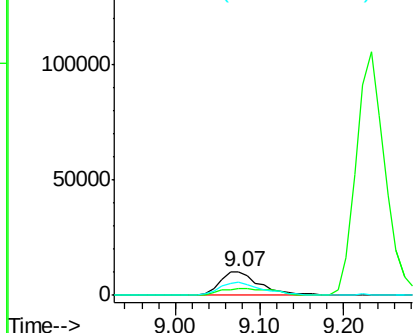
#49
1,4-Dioxane
Concen: 1036.671 ug/l
RT: 9.07 min Scan# 777
Delta R.T. 0.00 min
Lab File: VD061735.D
Acq: 11 Apr 2019 12:10

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 88 Resp: 33893
Ion Ratio Lower Upper
88 100
43 29.0 21.8 32.8
58 56.2 40.2 60.2

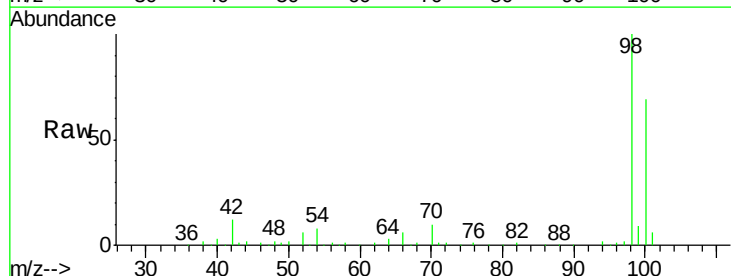


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 57.95 (57.65 to 58.65): VDC

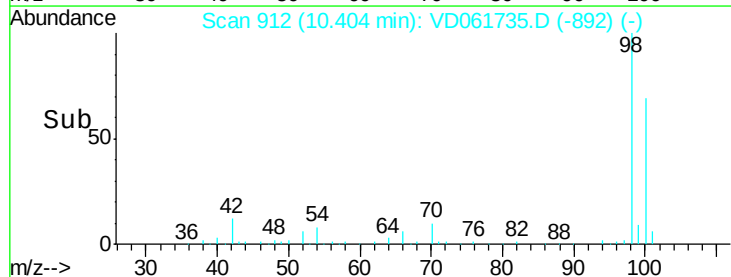
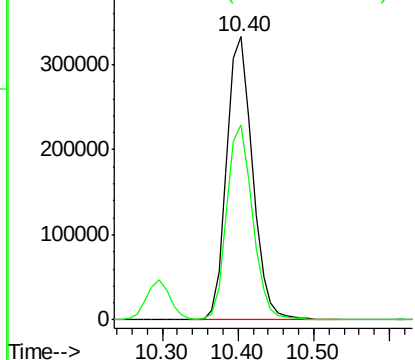


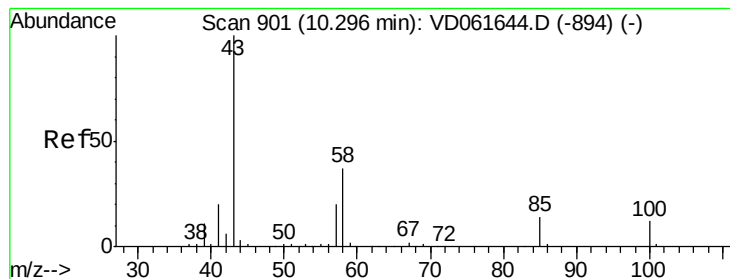
#50
Toluene-d8
Concen: 1036.671 ug/l
RT: 10.40 min Scan# 912
Delta R.T. -0.00 min
Lab File: VD061735.D
Acq: 11 Apr 2019 12:10

Tgt Ion: 98 Resp: 788926
Ion Ratio Lower Upper
98 100
100 69.0 55.4 83.0



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: 261.882 ug/l

RT: 10.30 min Scan# 901

Delta R.T. -0.00 min

Lab File: VD061735.D

Acq: 11 Apr 2019 12:10

Instrument :

MSVOA_D

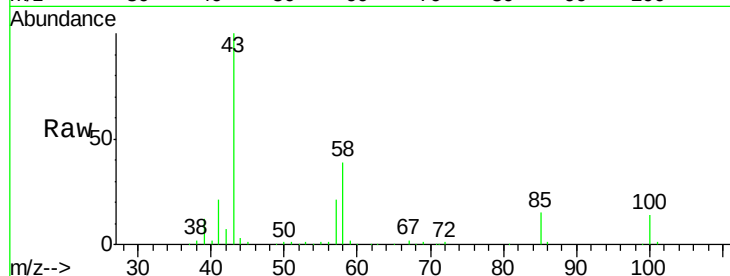
ClientSampleId :

Tot Ion: 43 Resp: 795823

Ion Ratio Lower Upper

43 100

58 38.6 29.8 44.8



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

10.30

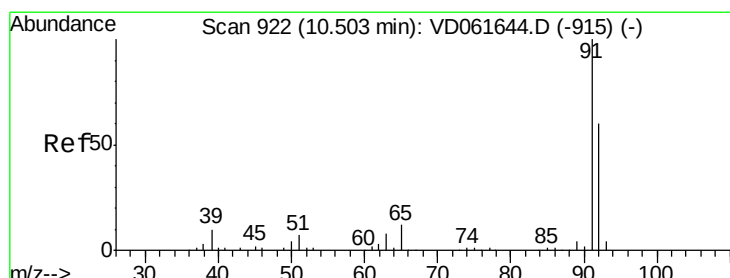
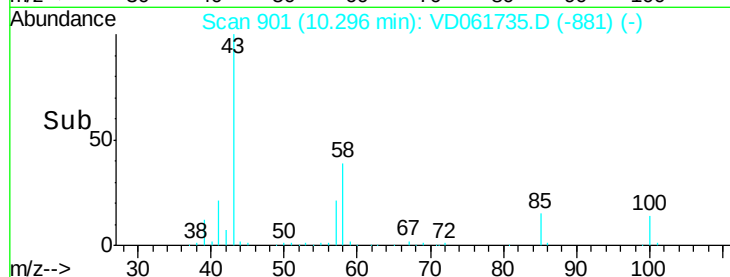
300000

200000

100000

0

Time-->



#52

Toluene

Concen: 54.344 ug/l

RT: 10.50 min Scan# 922

Delta R.T. -0.00 min

Lab File: VD061735.D

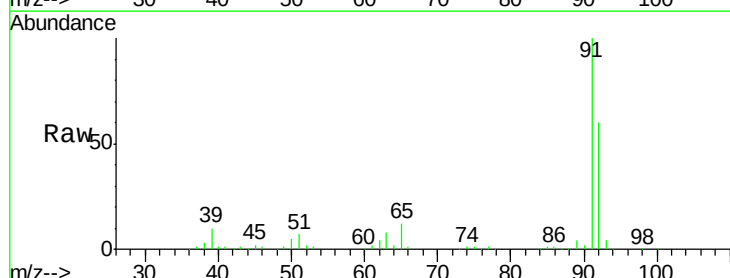
Acq: 11 Apr 2019 12:10

Tgt Ion: 92 Resp: 711635

Ion Ratio Lower Upper

92 100

91 165.5 133.0 199.4



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

600000

500000

400000

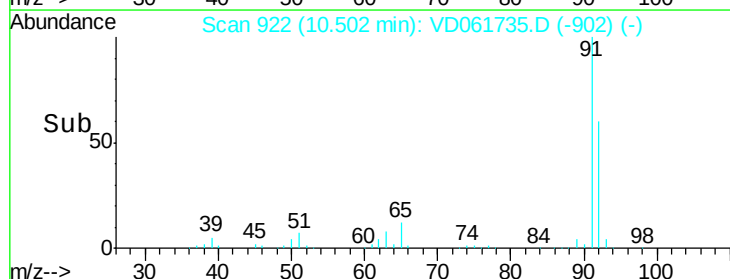
300000

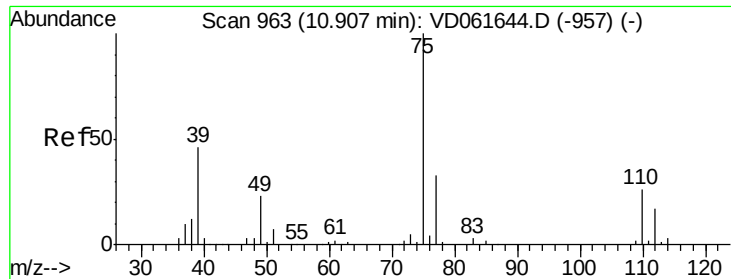
200000

100000

0

Time-->

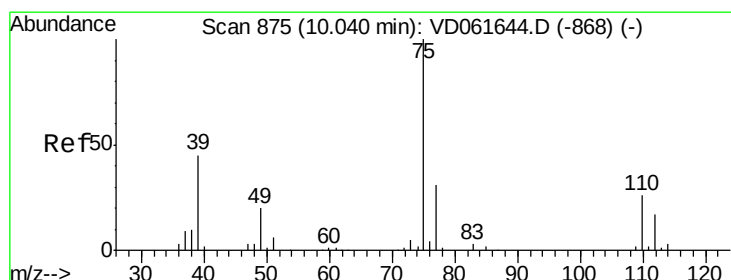
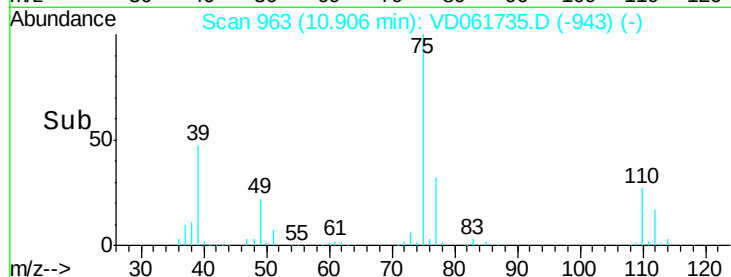
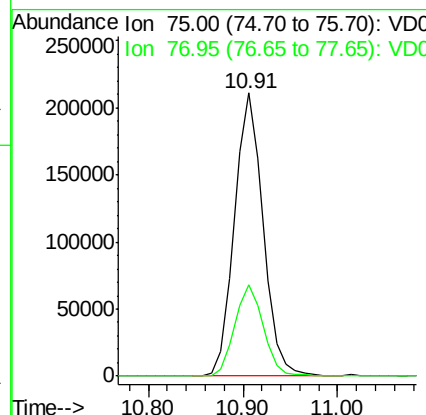
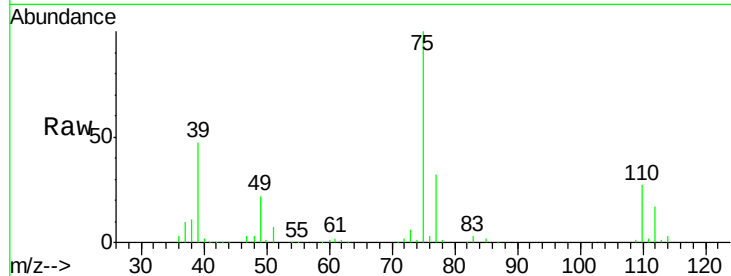




#53
 t-1,3-Dichloropropene
 Concen: 61.784 ug/l
 RT: 10.91 min Scan# 963
 Delta R.T. -0.00 min
 Lab File: VD061735.D
 Acq: 11 Apr 2019 12:10

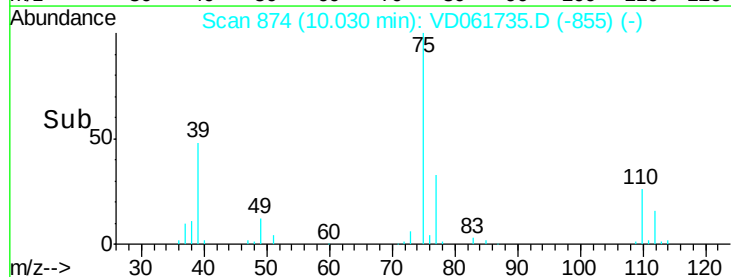
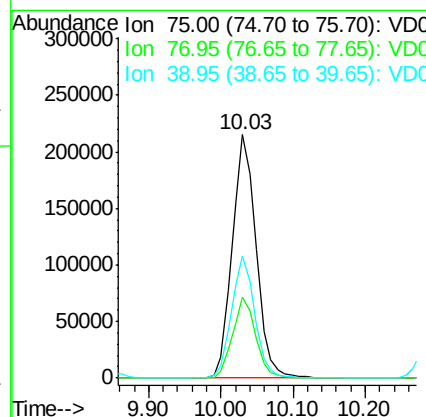
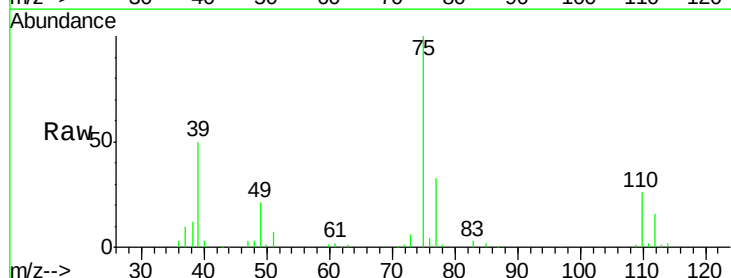
Instrument :
 MSVOA_D
 ClientSampleId :

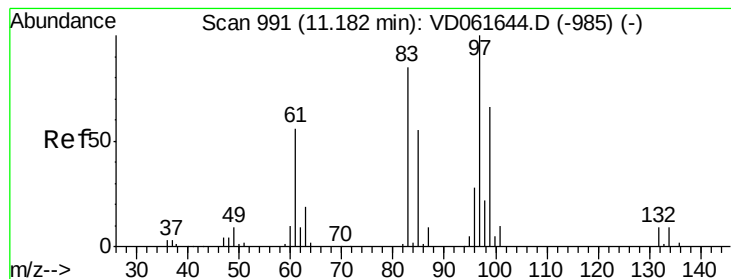
Tot Ion: 75 Resp: 442111
 Ion Ratio Lower Upper
 75 100
 77 32.3 26.2 39.2



#54
 cis-1,3-Dichloropropene
 Concen: 56.257 ug/l
 RT: 10.03 min Scan# 874
 Delta R.T. -0.01 min
 Lab File: VD061735.D
 Acq: 11 Apr 2019 12:10

Tgt Ion: 75 Resp: 496243
 Ion Ratio Lower Upper
 75 100
 77 33.4 24.6 37.0
 39 50.0 36.2 54.2





#55

1,1,2-Trichloroethane

Concen: 54.743 ug/l

RT: 11.18 min Scan# 991

Delta R.T. -0.00 min

Lab File: VD061735.D

Acq: 11 Apr 2019 12:10

Instrument :

MSVOA_D

ClientSampleId :

Tot Ion: 97 Resp: 241774

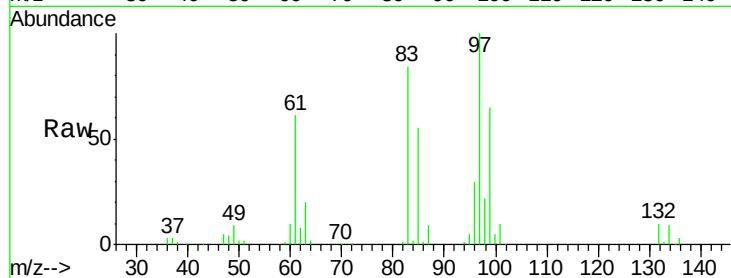
Ion Ratio Lower Upper

97 100

83 84.4 67.8 101.6

85 54.8 43.8 65.8

99 64.6 52.8 79.2

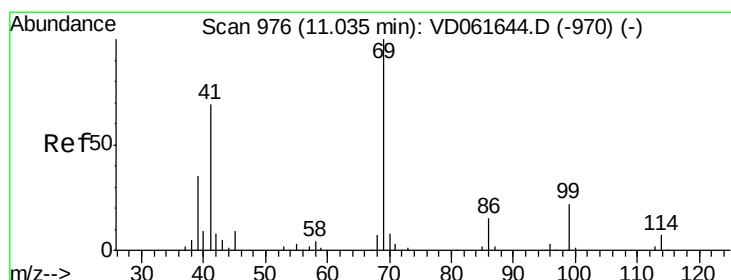
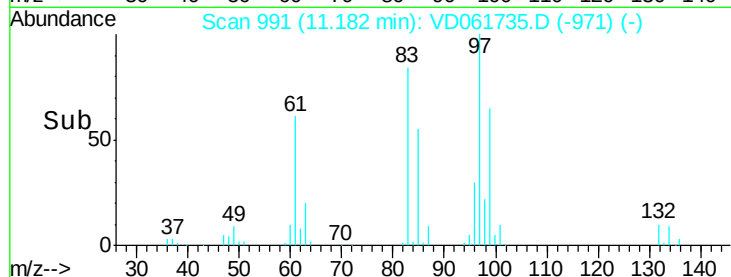
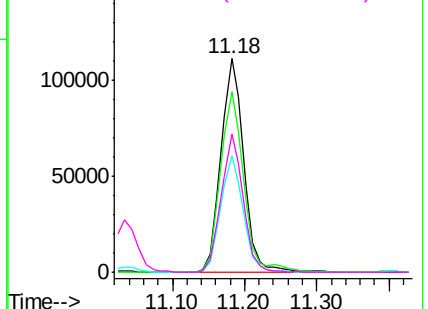


Abundance Ion 96.85 (96.55 to 97.55): VDC

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: 55.741 ug/l

RT: 11.03 min Scan# 976

Delta R.T. -0.00 min

Lab File: VD061735.D

Acq: 11 Apr 2019 12:10

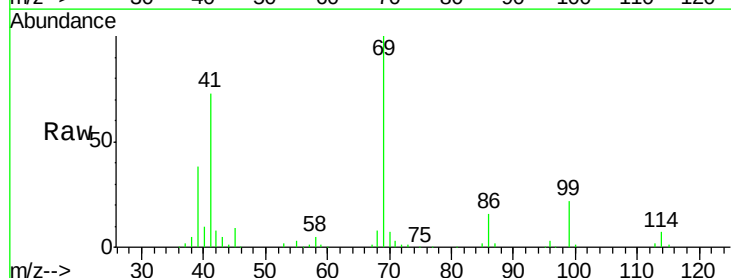
Tgt Ion: 69 Resp: 259707

Ion Ratio Lower Upper

69 100

41 73.1 55.2 82.8

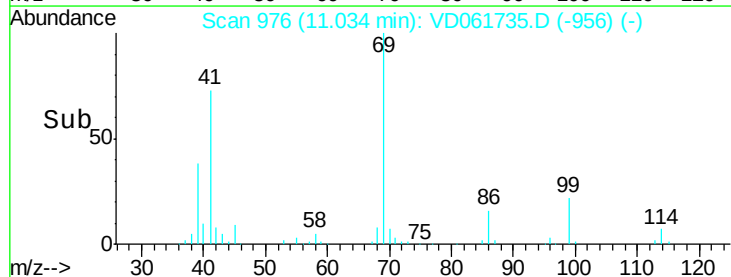
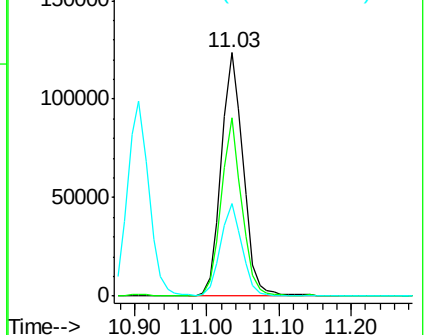
39 38.0 28.6 43.0

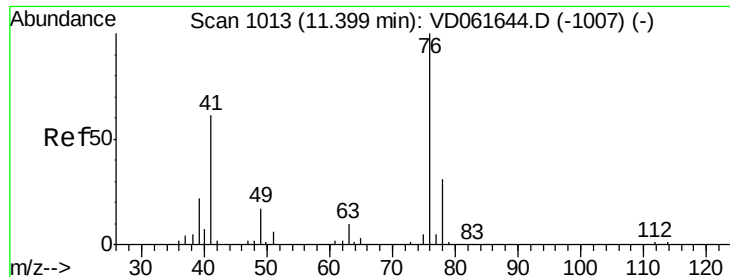


Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

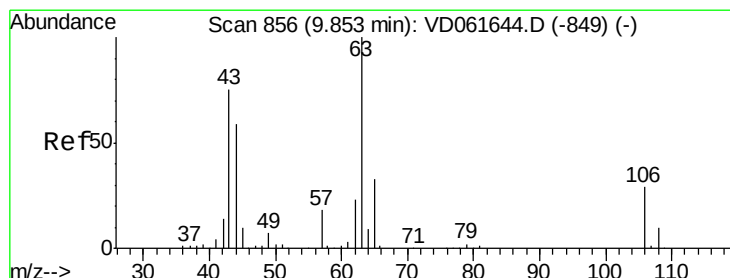
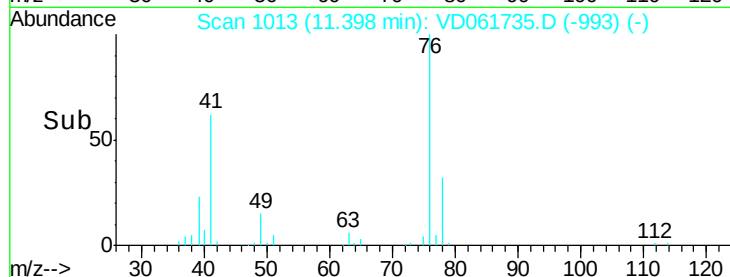
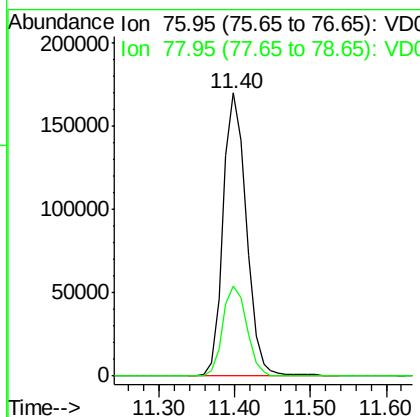
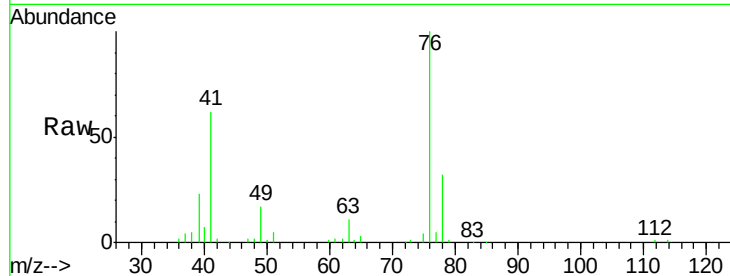




#57
 1,3-Dichloropropane
 Concen: 56.012 ug/l
 RT: 11.40 min Scan# 1013
 Delta R.T. -0.00 min
 Lab File: VD061735.D
 Acq: 11 Apr 2019 12:10

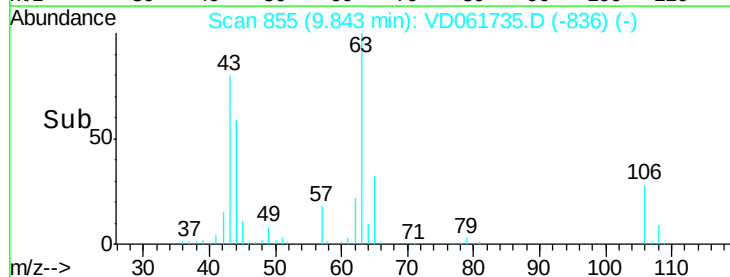
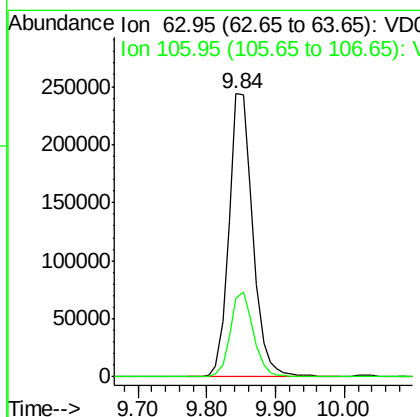
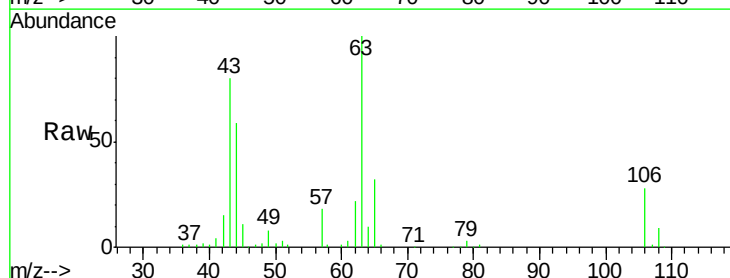
Instrument :
 MSVOA_D
 ClientSampleId :

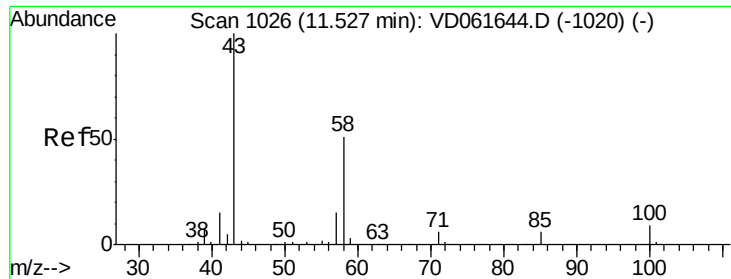
Tot Ion: 76 Resp: 362275
 Ion Ratio Lower Upper
 76 100
 78 31.6 24.5 36.7



#58
 2-Chloroethyl Vinyl ether
 Concen: 264.904 ug/l
 RT: 9.84 min Scan# 855
 Delta R.T. -0.01 min
 Lab File: VD061735.D
 Acq: 11 Apr 2019 12:10

Tgt Ion: 63 Resp: 582365
 Ion Ratio Lower Upper
 63 100
 106 27.7 23.0 34.6

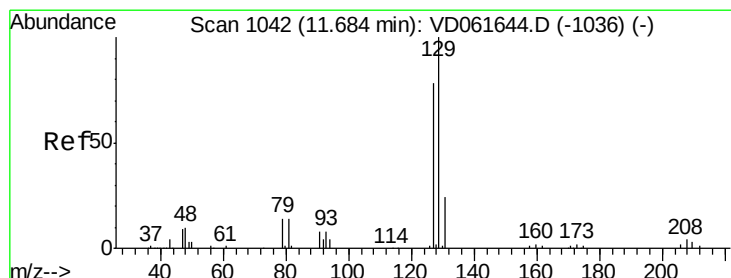
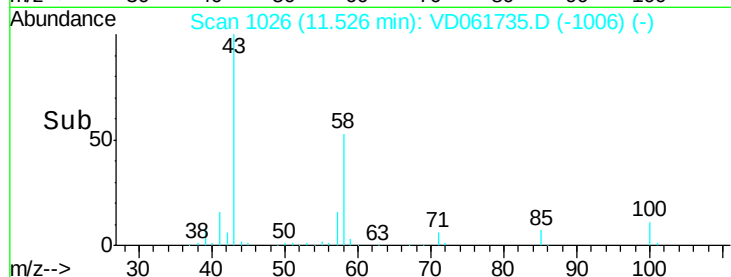
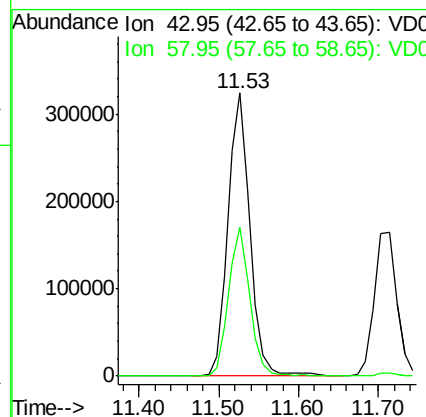
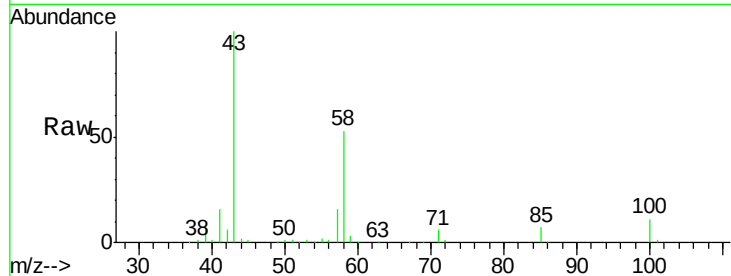




#59
2-Hexanone
Concen: 268.135 ug/l
RT: 11.53 min Scan# 1026
Delta R.T. -0.00 min
Lab File: VD061735.D
Acq: 11 Apr 2019 12:10

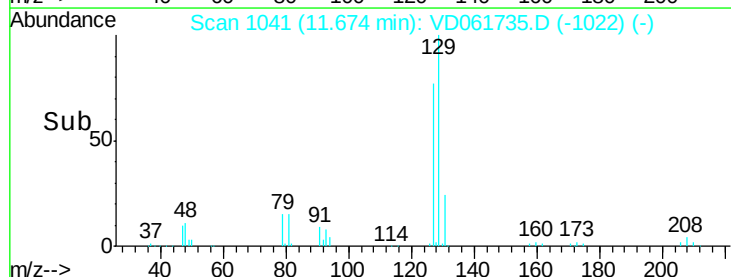
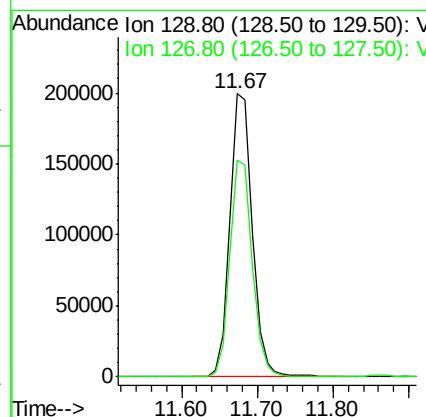
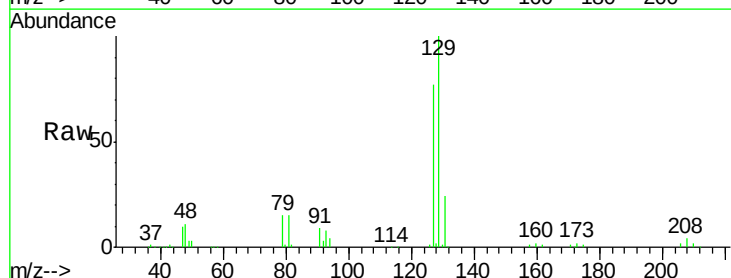
Instrument :
MSVOA_D
ClientSampleId :

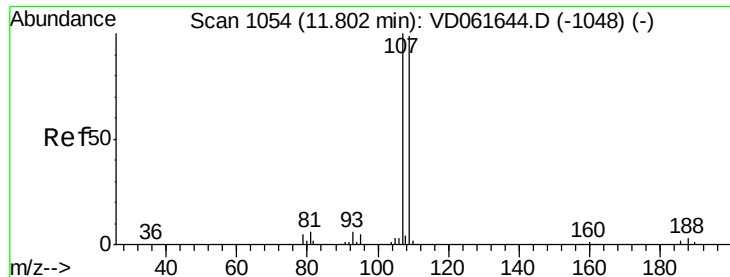
Tot Ion: 43 Resp: 632369
Ion Ratio Lower Upper
43 100
58 52.7 25.6 76.8



#60
Dibromochloromethane
Concen: 58.339 ug/l
RT: 11.67 min Scan# 1041
Delta R.T. -0.01 min
Lab File: VD061735.D
Acq: 11 Apr 2019 12:10

Tgt Ion:129 Resp: 407074
Ion Ratio Lower Upper
129 100
127 76.7 38.8 116.4

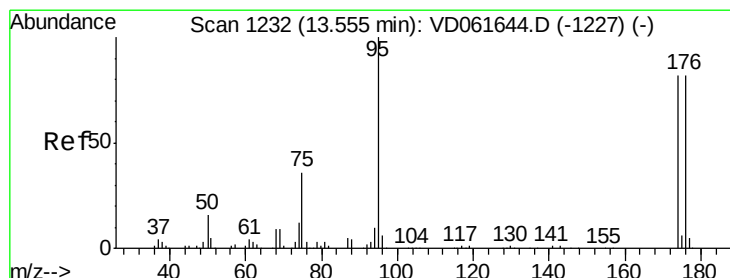
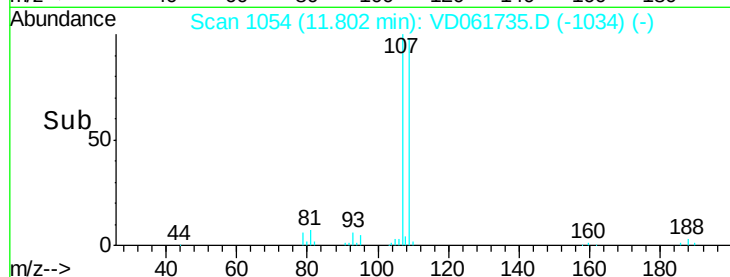
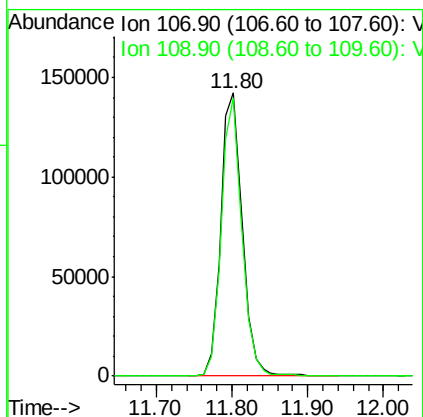
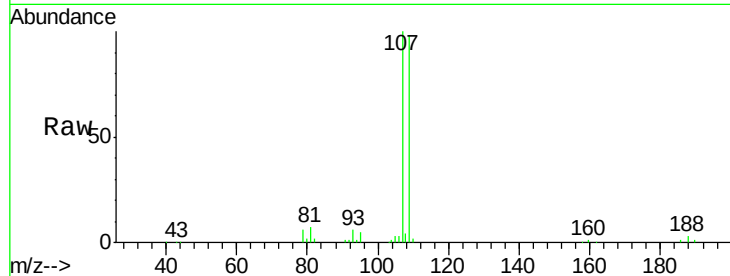




#61
 1,2-Dibromoethane
 Concen: 54.395 ug/l
 RT: 11.80 min Scan# 1054
 Delta R.T. -0.00 min
 Lab File: VD061735.D
 Acq: 11 Apr 2019 12:10

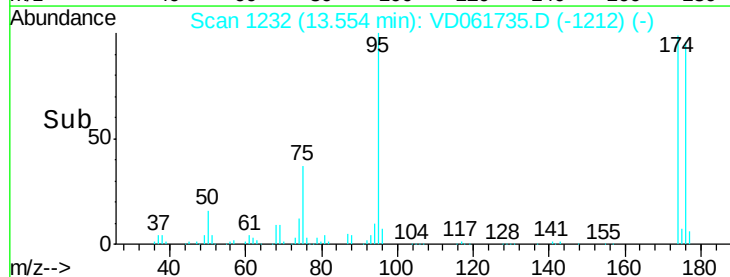
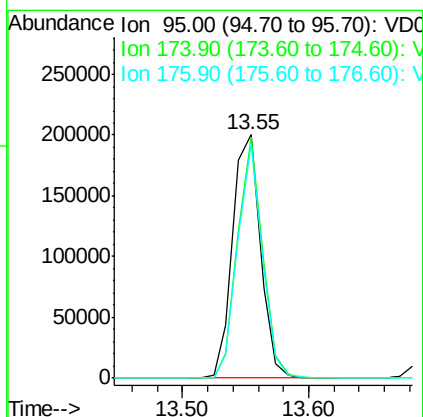
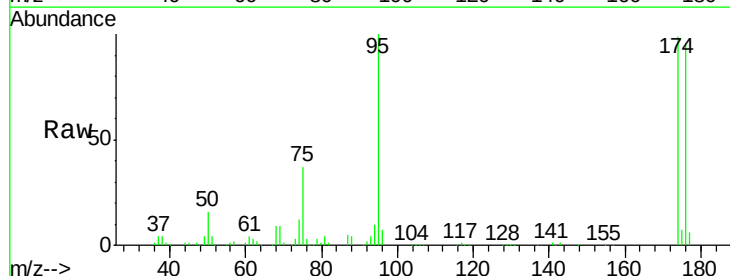
Instrument :
 MSVOA_D
 ClientSampleId :

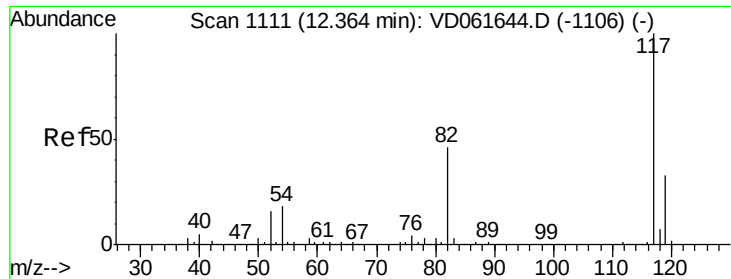
Tot Ion: 107 Resp: 280953
 Ion Ratio Lower Upper
 107 100
 109 98.3 79.2 118.8



#62
 4-Bromofluorobenzene
 Concen: 54.395 ug/l
 RT: 13.55 min Scan# 1232
 Delta R.T. 0.00 min
 Lab File: VD061735.D
 Acq: 11 Apr 2019 12:10

Tgt Ion: 95 Resp: 304745
 Ion Ratio Lower Upper
 95 100
 174 98.8 0.0 164.6
 176 96.4 0.0 165.0

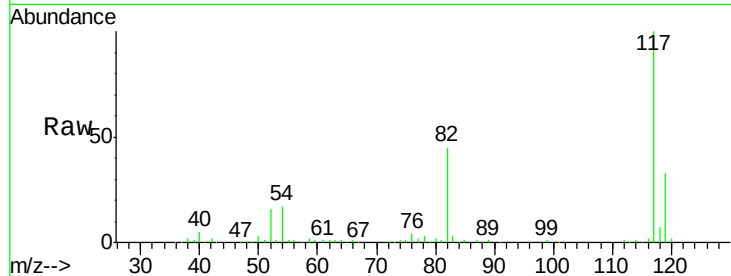




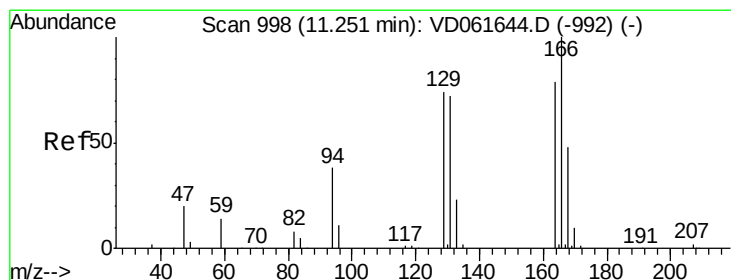
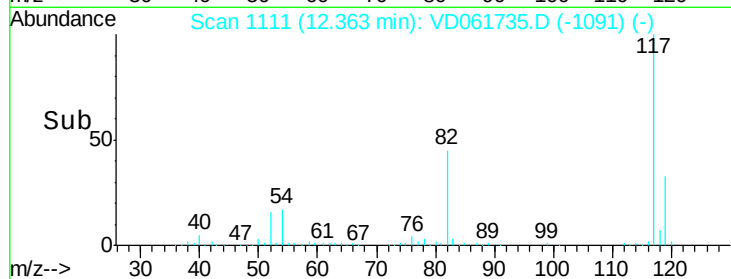
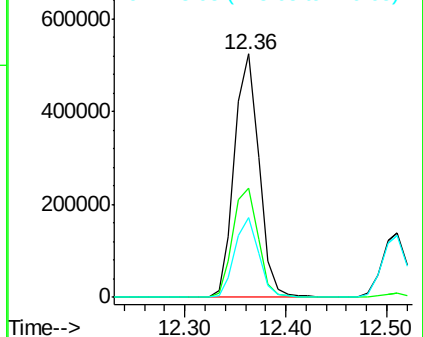
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.36 min Scan# 1111
Delta R.T. -0.00 min
Lab File: VD061735.D
Acq: 11 Apr 2019 12:10

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:117 Resp: 892348
Ion Ratio Lower Upper
117 100
82 44.8 36.8 55.2
119 32.8 26.1 39.1

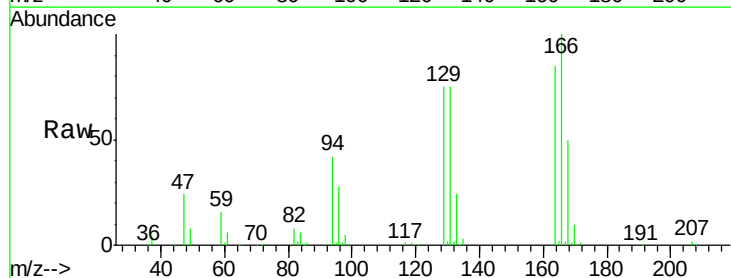


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

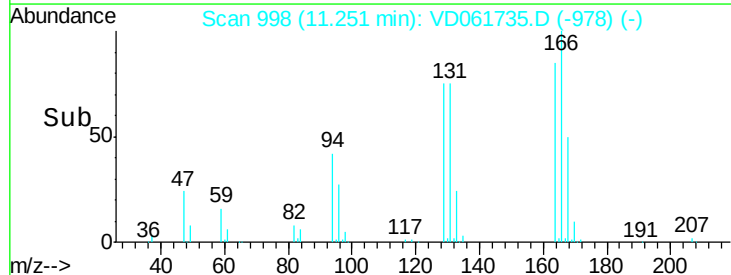
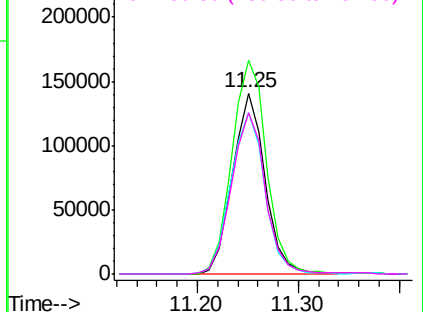


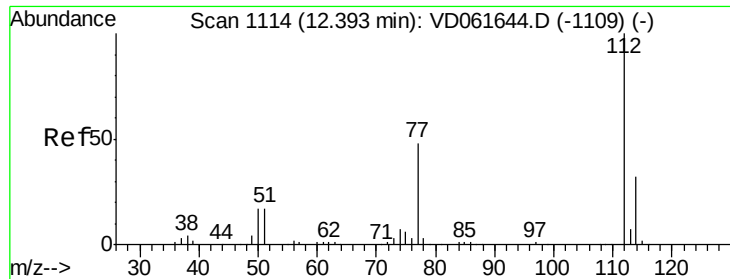
#64
Tetrachloroethene
Concen: 45.518 ug/l
RT: 11.25 min Scan# 998
Delta R.T. -0.00 min
Lab File: VD061735.D
Acq: 11 Apr 2019 12:10

Tgt Ion:164 Resp: 315291
Ion Ratio Lower Upper
164 100
166 118.1 101.8 152.8
129 89.1 75.4 113.0
131 89.2 73.6 110.4



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

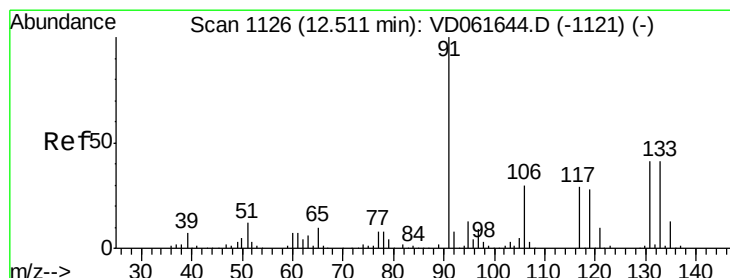
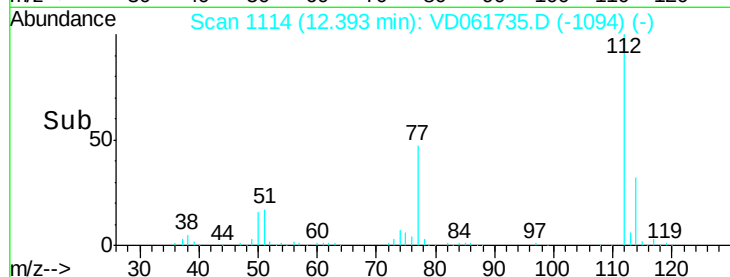
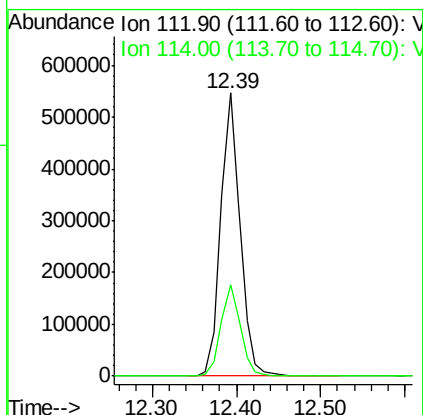
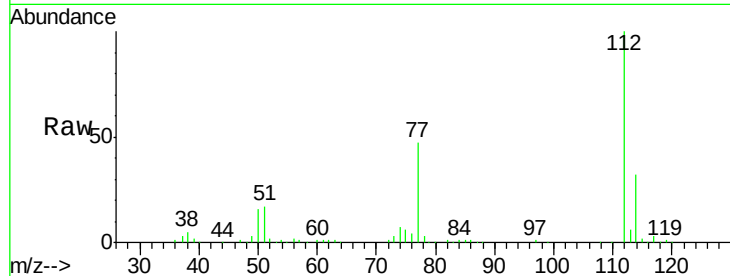




#65
Chlorobenzene
Concen: 49.284 ug/l
RT: 12.39 min Scan# 1114
Delta R.T. -0.00 min
Lab File: VD061735.D
Acq: 11 Apr 2019 12:10

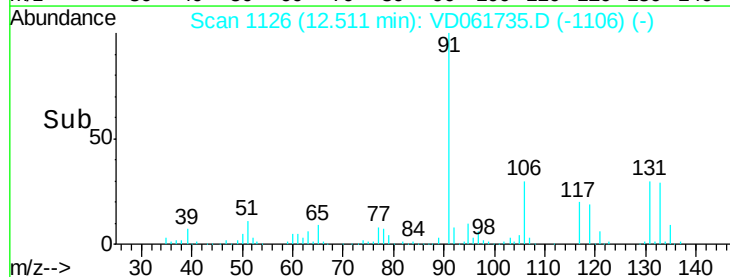
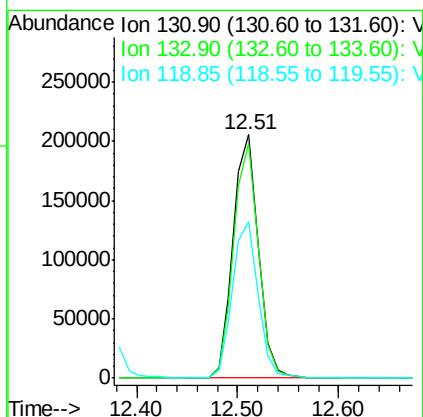
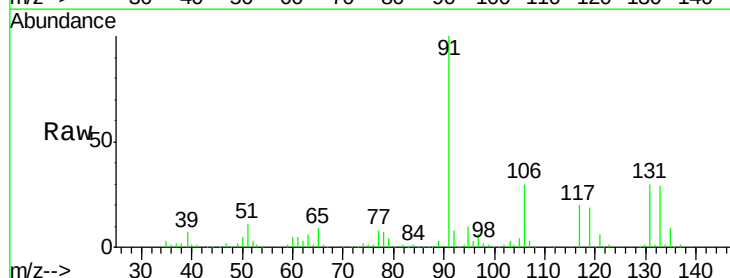
Instrument :
MSVOA_D
ClientSampleId :

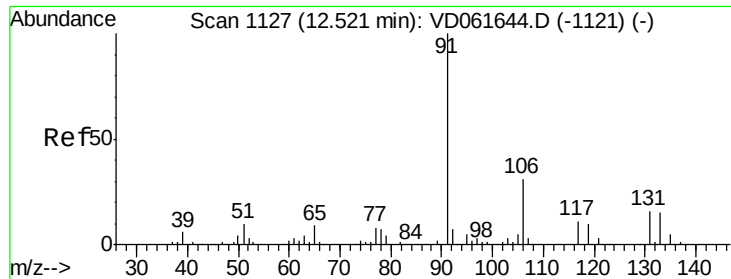
Tot Ion:112 Resp: 872139
Ion Ratio Lower Upper
112 100
114 32.3 25.6 38.4



#66
1,1,1,2-Tetrachloroethane
Concen: 52.474 ug/l
RT: 12.51 min Scan# 1126
Delta R.T. -0.00 min
Lab File: VD061735.D
Acq: 11 Apr 2019 12:10

Tgt Ion:131 Resp: 357327
Ion Ratio Lower Upper
131 100
133 96.4 49.5 148.3
119 64.3 34.7 104.1

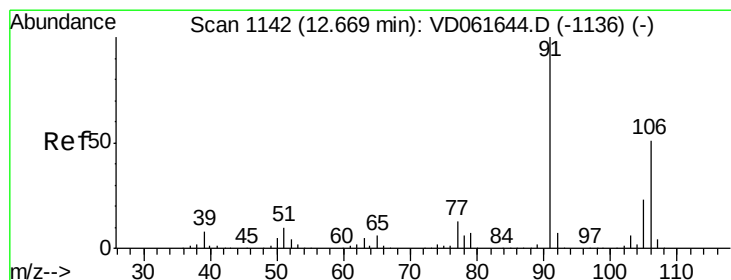
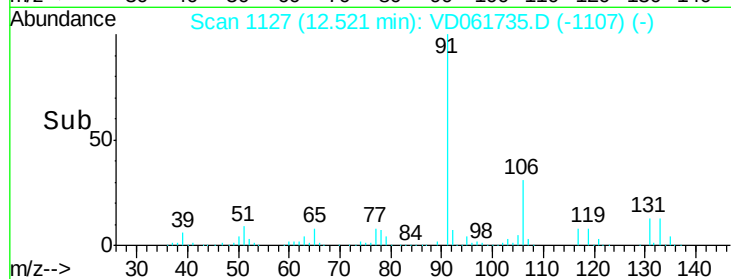
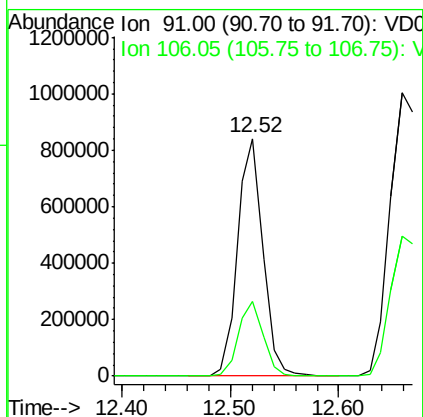
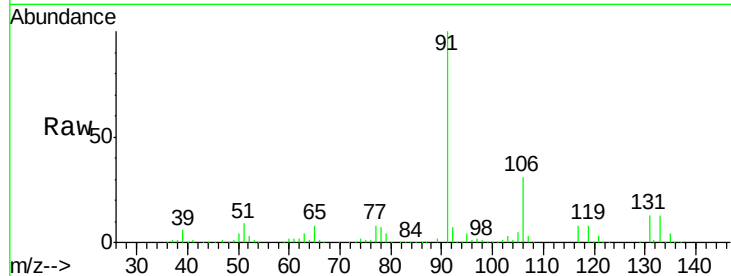




#67
Ethyl Benzene
Concen: 50.783 ug/l
RT: 12.52 min Scan# 1127
Delta R.T. -0.00 min
Lab File: VD061735.D
Acq: 11 Apr 2019 12:10

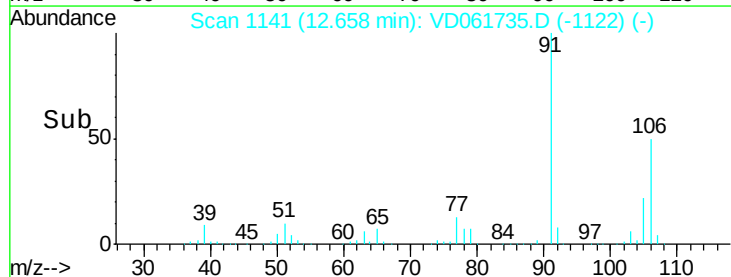
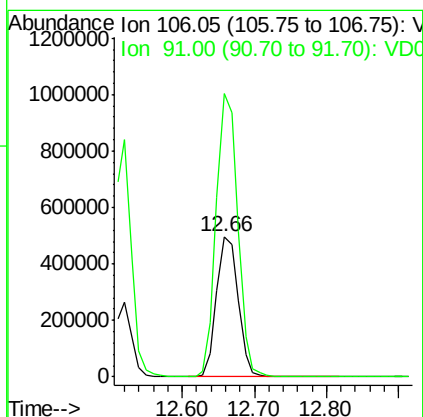
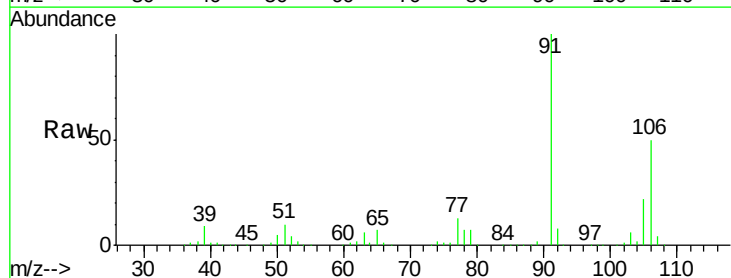
Instrument :
MSVOA_D
ClientSampled :

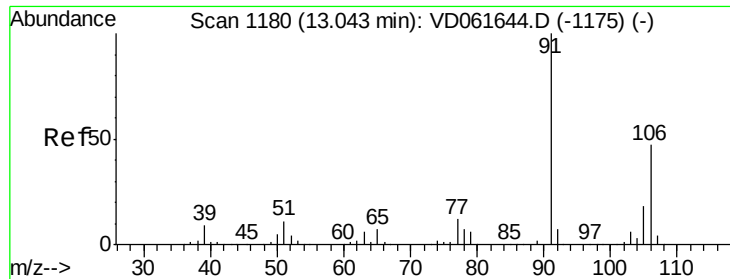
Tot Ion: 91 Resp: 1368478
Ion Ratio Lower Upper
91 100
106 31.4 24.6 37.0



#68
m/p-Xylenes
Concen: 99.014 ug/l
RT: 12.66 min Scan# 1141
Delta R.T. -0.01 min
Lab File: VD061735.D
Acq: 11 Apr 2019 12:10

Tgt Ion:106 Resp: 1028655
Ion Ratio Lower Upper
106 100
91 202.0 156.7 235.1

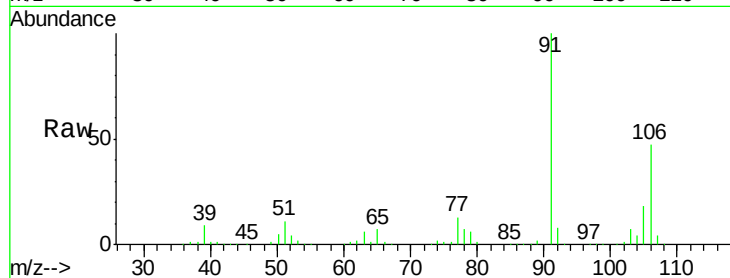




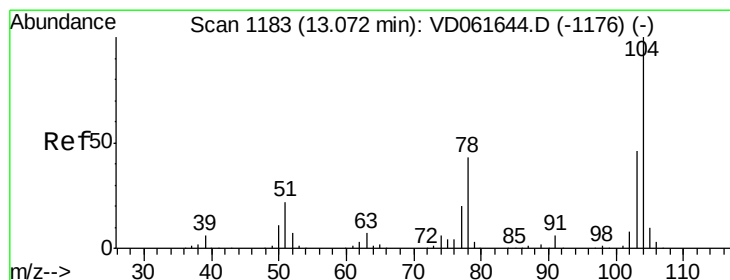
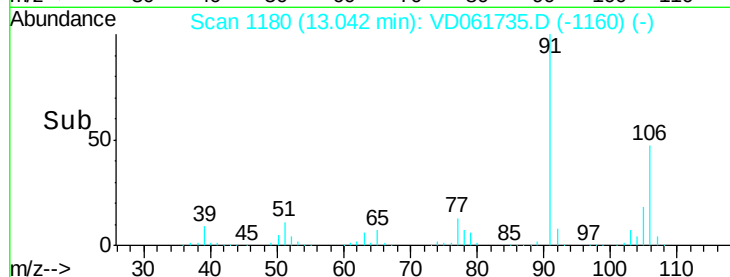
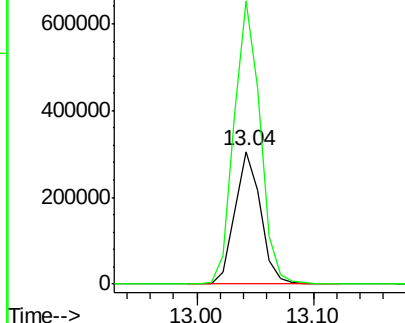
#69
o-Xylene
Concen: 46.776 ug/l
RT: 13.04 min Scan# 1180
Delta R.T. -0.00 min
Lab File: VD061735.D
Acq: 11 Apr 2019 12:10

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:106 Resp: 469091
Ion Ratio Lower Upper
106 100
91 213.6 107.3 321.9

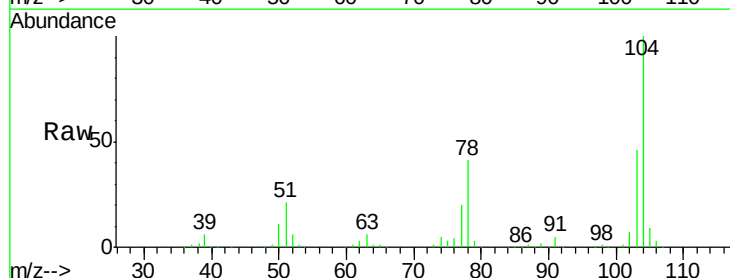


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): VDC

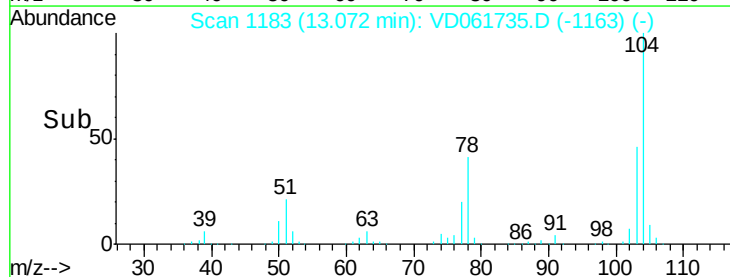
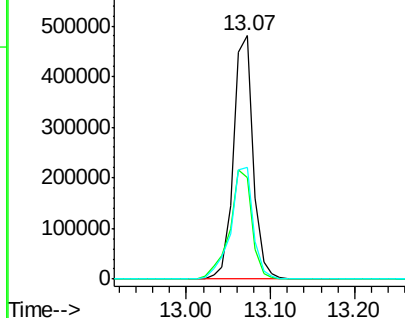


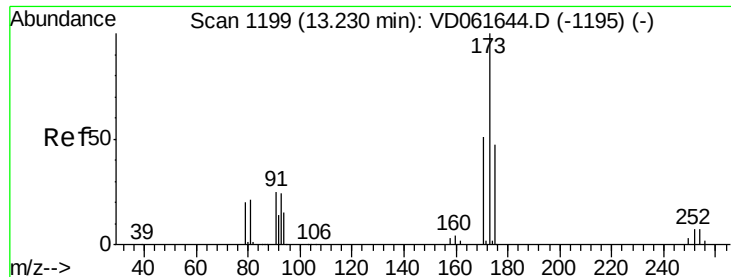
#70
Styrene
Concen: 45.392 ug/l
RT: 13.07 min Scan# 1183
Delta R.T. -0.00 min
Lab File: VD061735.D
Acq: 11 Apr 2019 12:10

Tgt Ion:104 Resp: 777405
Ion Ratio Lower Upper
104 100
78 41.5 34.2 51.4
103 45.9 37.2 55.8



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





#71

Bromoform

Concen: 49.613 ug/l

RT: 13.23 min Scan# 1199

Delta R.T. -0.00 min

Lab File: VD061735.D

Acq: 11 Apr 2019 12:10

Instrument :

MSVOA_D

ClientSampleId :

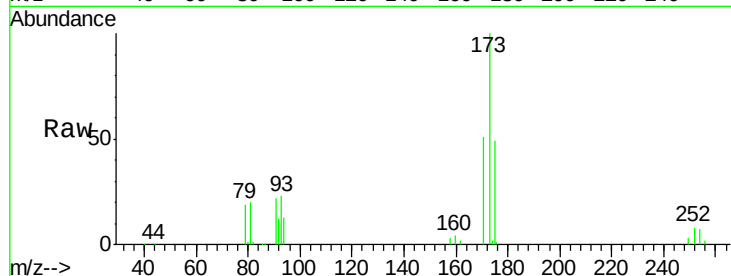
Tot Ion:173 Resp: 209618

Ion Ratio Lower Upper

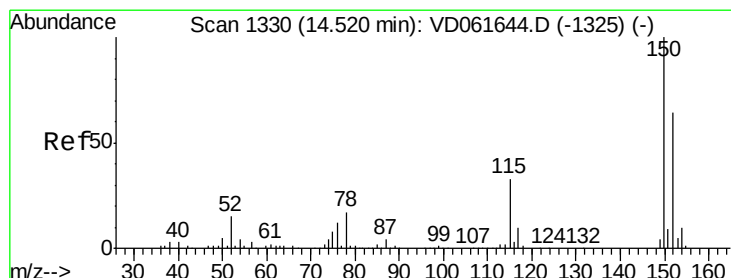
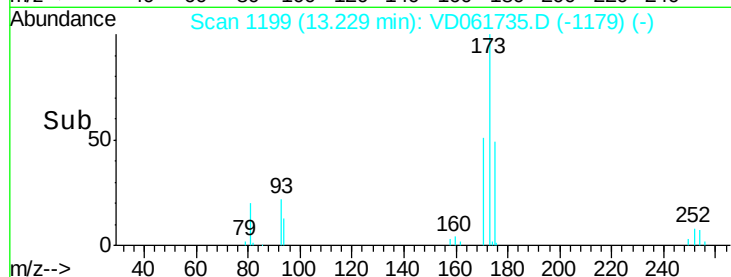
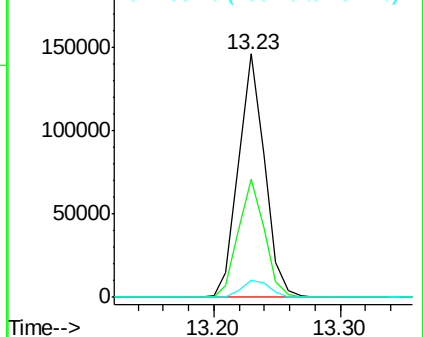
173 100

175 48.8 23.7 71.1

254 7.1 5.8 8.6



Abundance Ion 172.80 (172.50 to 173.50): V
Ion 174.80 (174.50 to 175.50): V
Ion 253.70 (253.40 to 254.40): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 14.51 min Scan# 1329

Delta R.T. -0.01 min

Lab File: VD061735.D

Acq: 11 Apr 2019 12:10

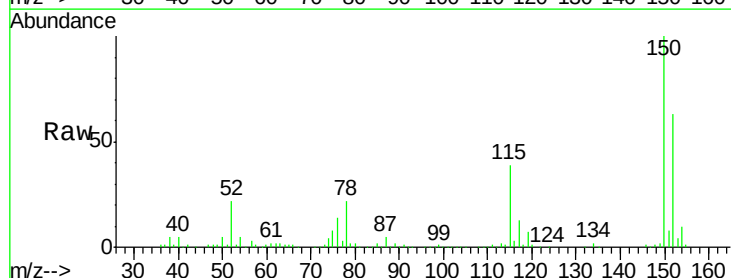
Tgt Ion:152 Resp: 399022

Ion Ratio Lower Upper

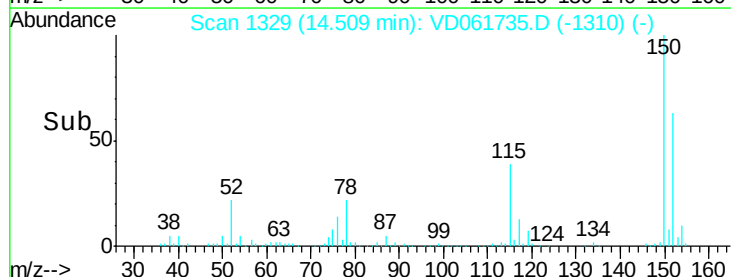
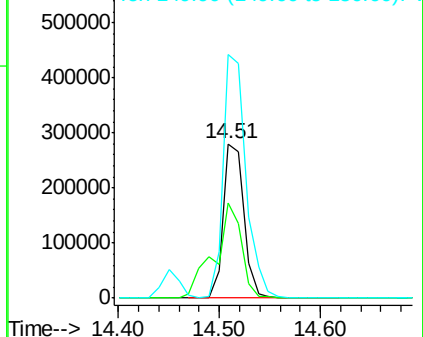
152 100

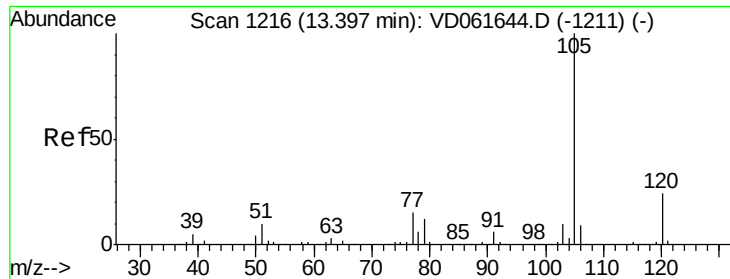
115 62.0 26.4 79.2

150 157.7 0.0 320.6



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 115.00 (114.70 to 115.70): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 47.270 ug/l

RT: 13.40 min Scan# 1216

Delta R.T. -0.00 min

Lab File: VD061735.D

Acq: 11 Apr 2019 12:10

Instrument :

MSVOA_D

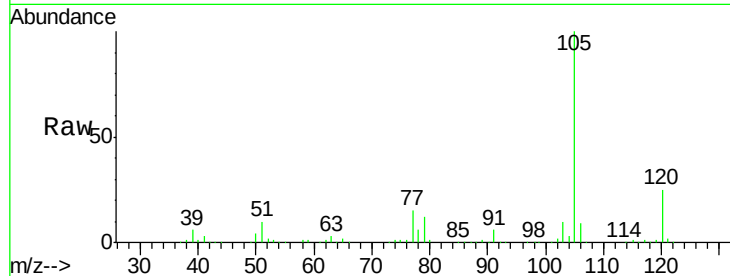
ClientSampleId :

Tot Ion:105 Resp: 1256774

Ion Ratio Lower Upper

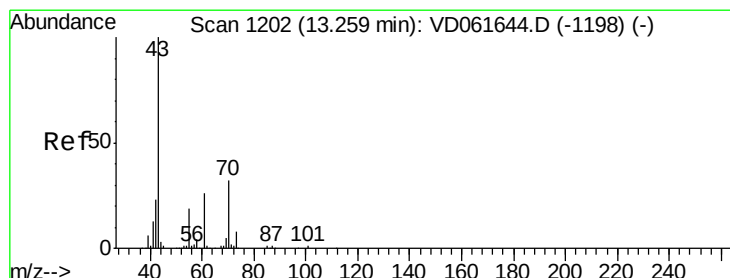
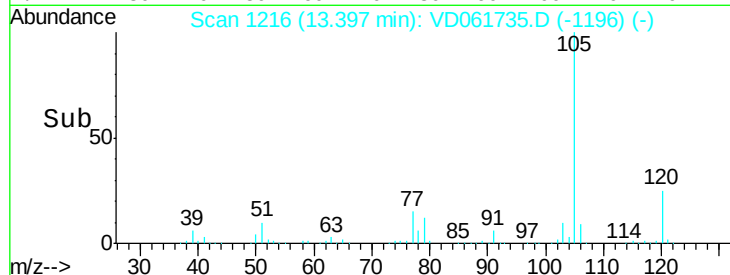
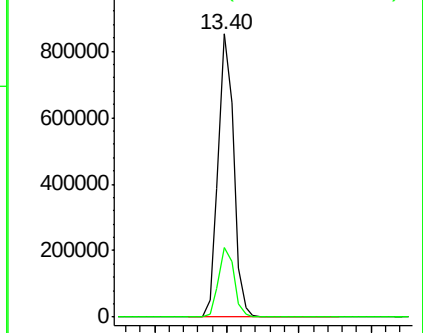
105 100

120 24.7 12.2 36.4



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#74

N-ethyl acetate

Concen: 46.634 ug/l

RT: 13.26 min Scan# 1202

Delta R.T. -0.00 min

Lab File: VD061735.D

Acq: 11 Apr 2019 12:10

Tgt Ion: 43 Resp: 336879

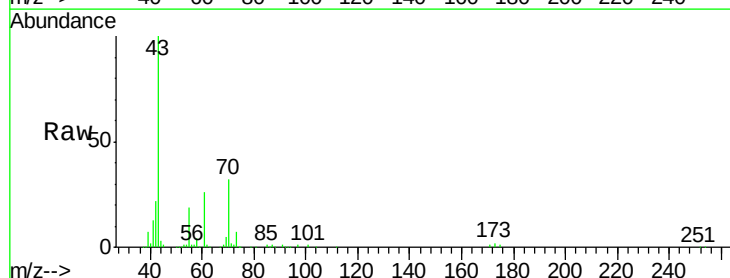
Ion Ratio Lower Upper

43 100

70 31.7 25.4 38.2

55 19.0 15.0 22.4

61 26.0 20.9 31.3

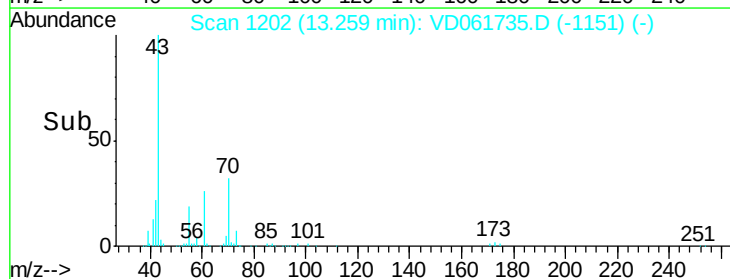
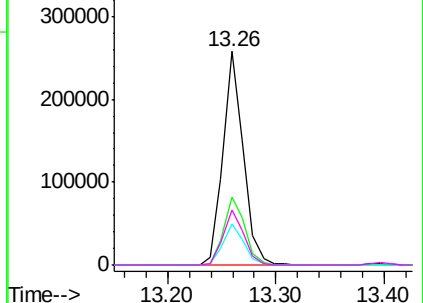


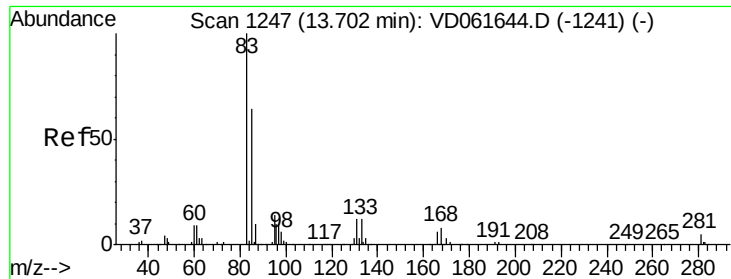
Abundance Ion 42.95 (42.65 to 43.65): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 60.95 (60.65 to 61.65): V





#75

1,1,2,2-Tetrachloroethane

Concen: 48.609 ug/l

RT: 13.69 min Scan# 1246

Delta R.T. -0.01 min

Lab File: VD061735.D

Acq: 11 Apr 2019 12:10

Instrument :

MSVOA_D

ClientSampleId :

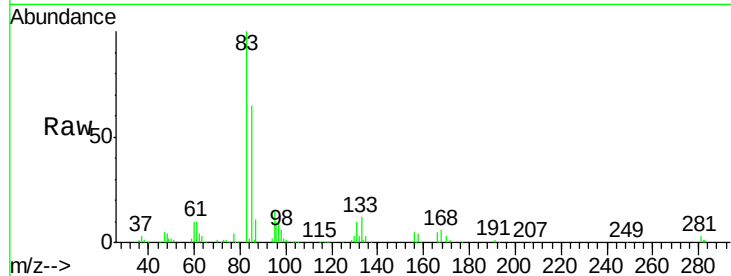
Tot Ion: 83 Resp: 267224

Ion	Ratio	Lower	Upper
83	100		
131	10.1	5.9	17.6
85	64.6	32.0	96.2

83 100

131 10.1 5.9 17.6

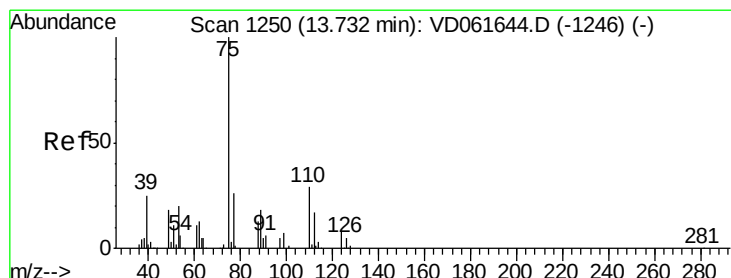
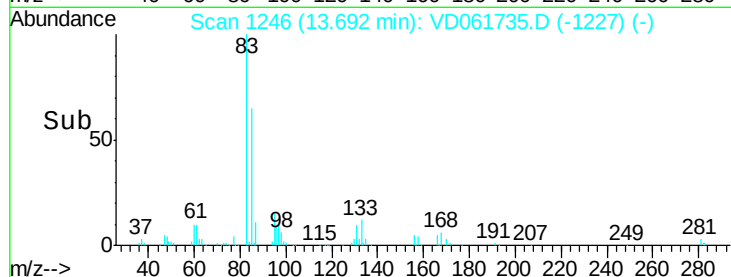
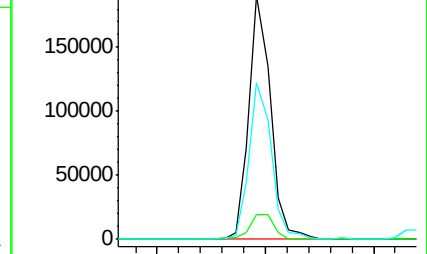
85 64.6 32.0 96.2



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: 50.129 ug/l

RT: 13.73 min Scan# 1250

Delta R.T. -0.00 min

Lab File: VD061735.D

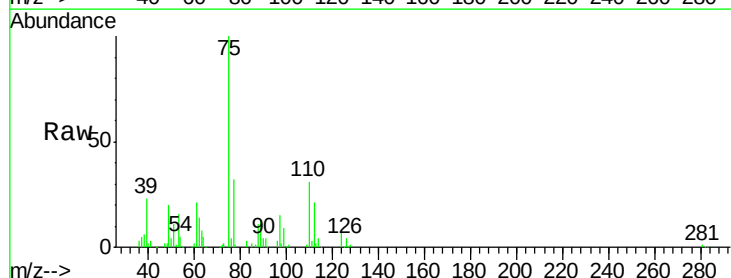
Acq: 11 Apr 2019 12:10

Tgt Ion: 75 Resp: 272137

Ion	Ratio	Lower	Upper
75	100		
77	32.5	15.7	47.1

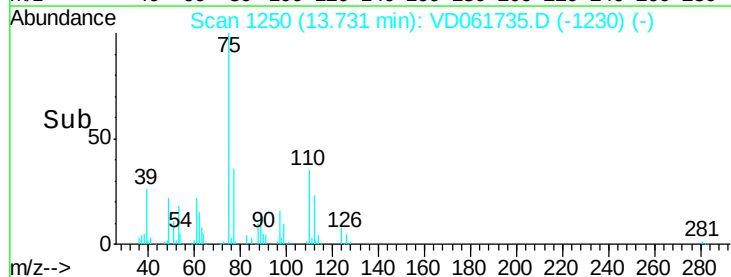
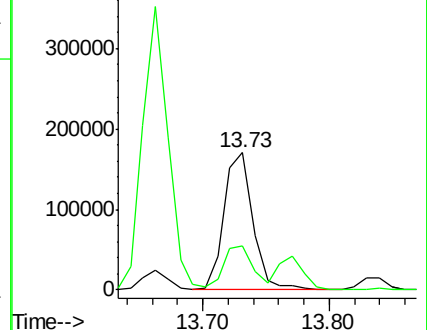
75 100

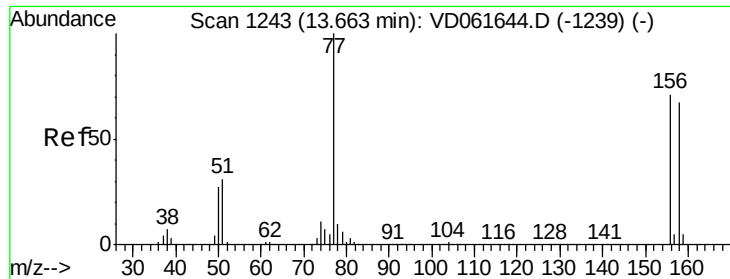
77 32.5 15.7 47.1



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 50.963 ug/l

RT: 13.66 min Scan# 1243

Delta R.T. -0.00 min

Lab File: VD061735.D

Acq: 11 Apr 2019 12:10

Instrument :

MSVOA_D

ClientSampleId :

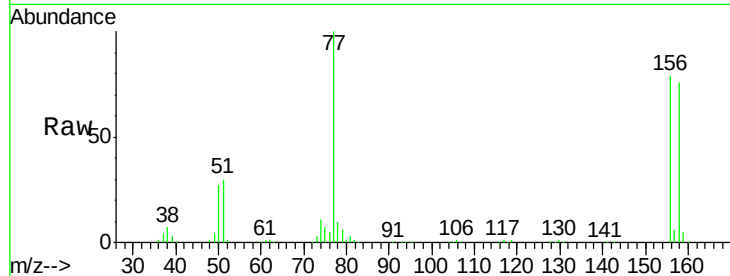
Tot Ion:156 Resp: 393296

Ion Ratio Lower Upper

156 100

77 126.8 70.3 210.8

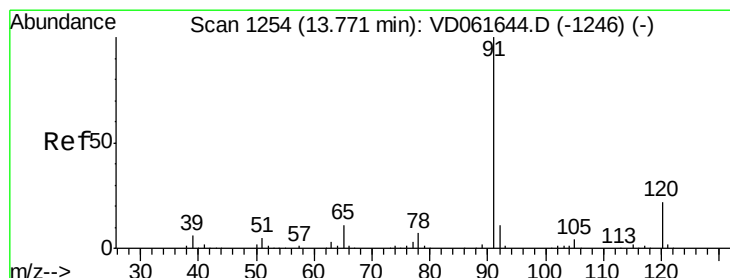
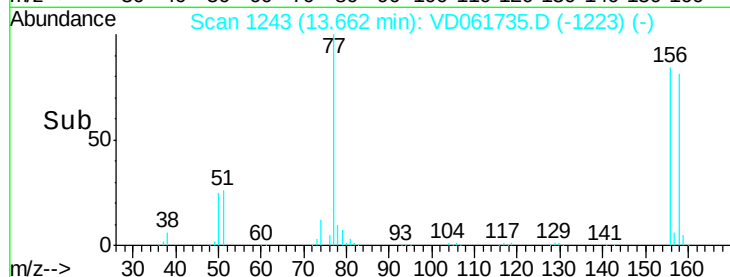
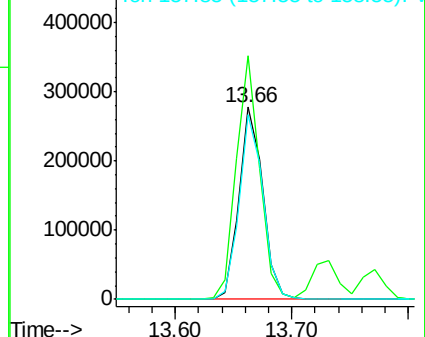
158 96.4 47.4 142.2



Abundance Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): V

Ion 157.85 (157.55 to 158.55): V



#78

n-propylbenzene

Concen: 49.422 ug/l

RT: 13.77 min Scan# 1254

Delta R.T. -0.00 min

Lab File: VD061735.D

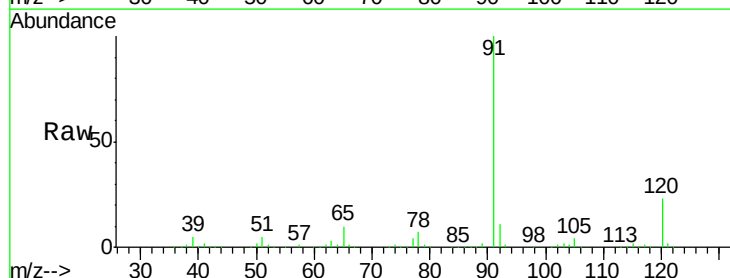
Acq: 11 Apr 2019 12:10

Tgt Ion: 91 Resp: 1571815

Ion Ratio Lower Upper

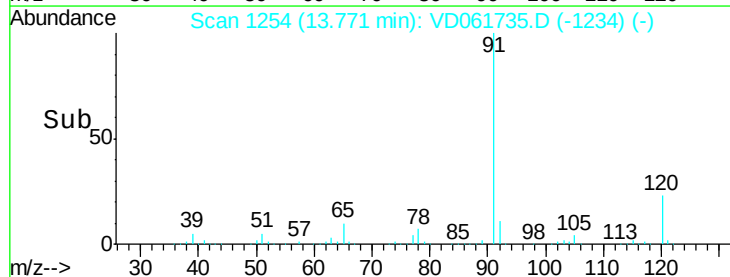
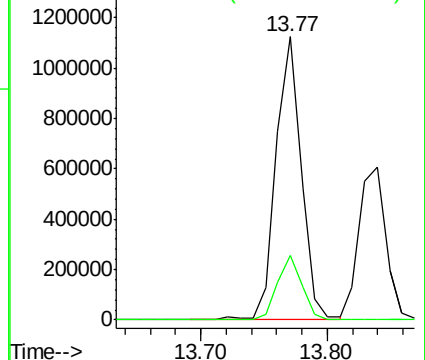
91 100

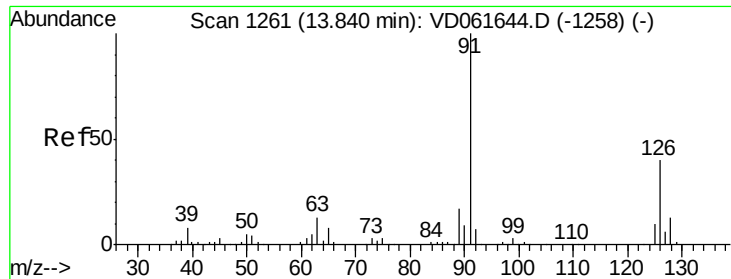
120 22.8 10.8 32.4



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V

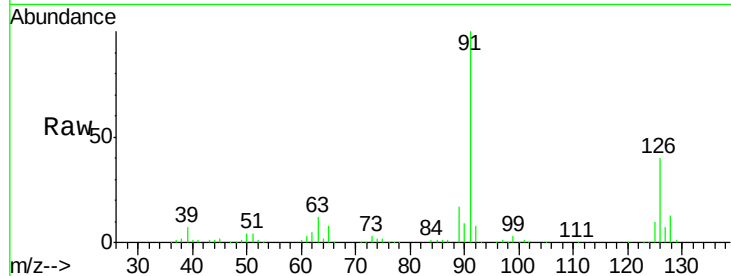




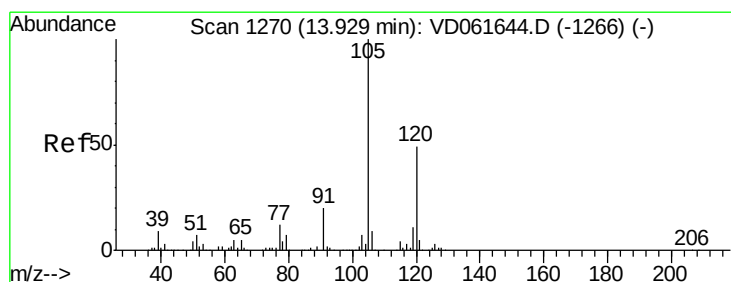
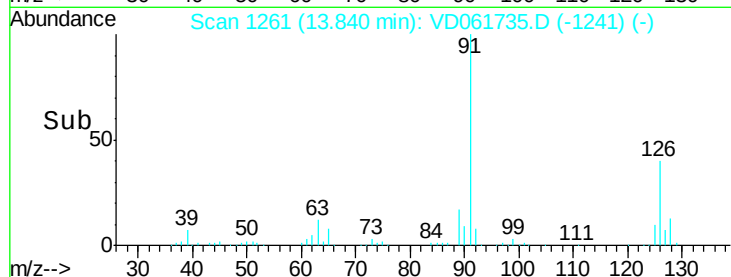
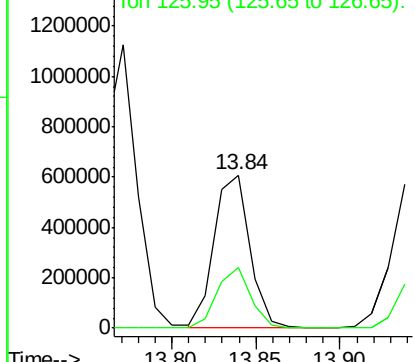
#79
 2-Chlorotoluene
 Concen: 49.162 ug/l
 RT: 13.84 min Scan# 1261
 Delta R.T. -0.00 min
 Lab File: VD061735.D
 Acq: 11 Apr 2019 12:10

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion: 91 Resp: 894118
 Ion Ratio Lower Upper
 91 100
 126 39.5 20.0 59.9

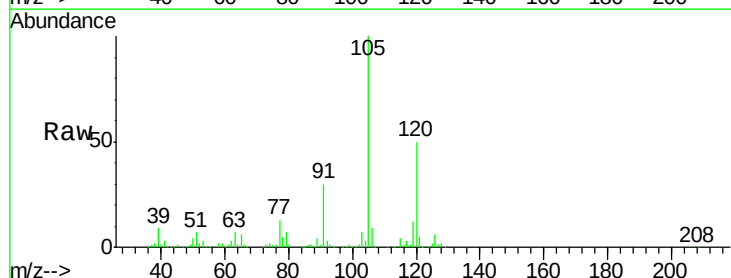


Abundance Ion 91.00 (90.70 to 91.70): VD061644.D (-1258) (-)
 Ion 125.95 (125.65 to 126.65): VD061644.D (-1258) (-)

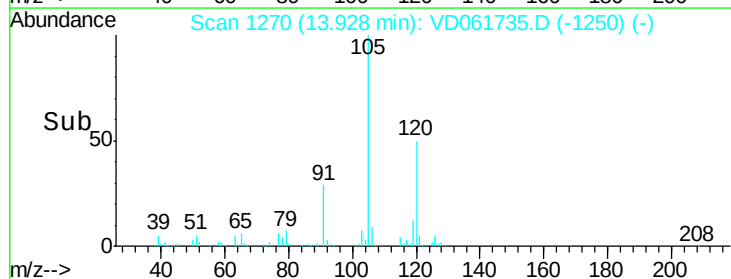
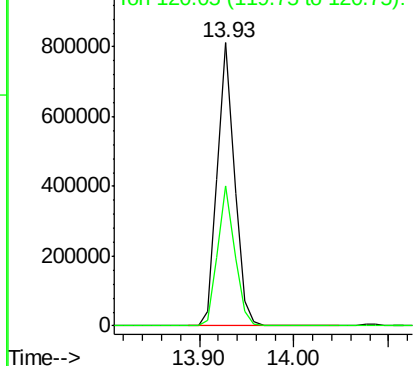


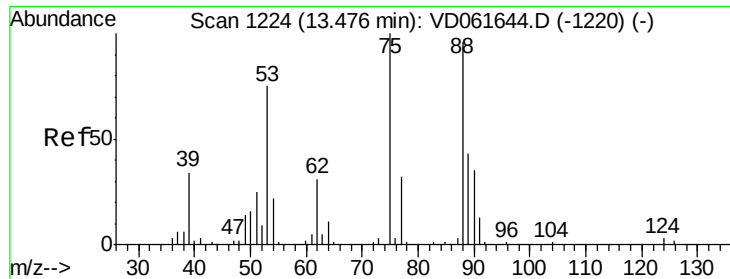
#80
 1,3,5-Trimethylbenzene
 Concen: 48.827 ug/l
 RT: 13.93 min Scan# 1270
 Delta R.T. -0.00 min
 Lab File: VD061735.D
 Acq: 11 Apr 2019 12:10

Tgt Ion: 105 Resp: 1030379
 Ion Ratio Lower Upper
 105 100
 120 49.5 24.4 73.2



Abundance Ion 105.05 (104.75 to 105.75): VD061644.D (-1266) (-)
 Ion 120.05 (119.75 to 120.75): VD061644.D (-1266) (-)

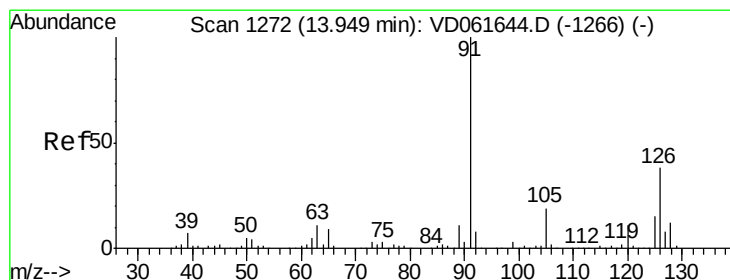
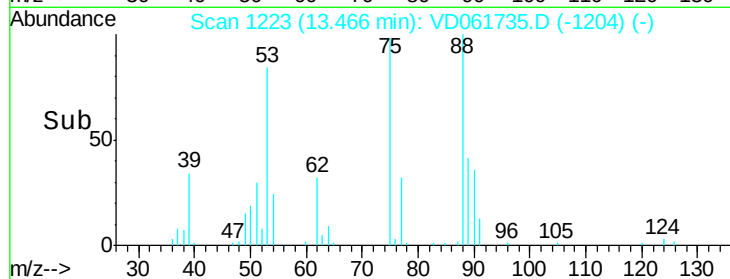
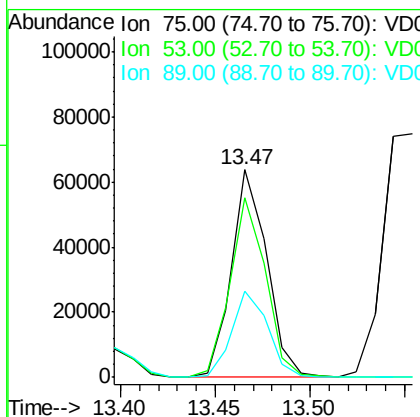
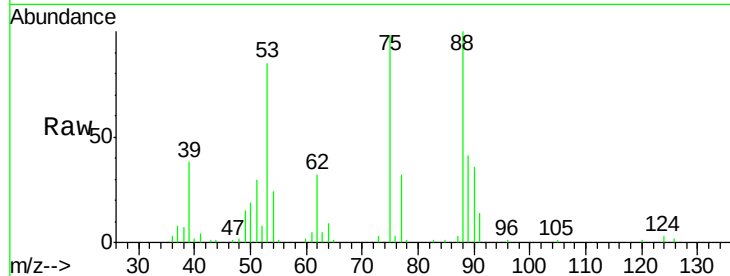




#81
trans-1,4-Dichloro-2-butene
Concen: 50.137 ug/l
RT: 13.47 min Scan# 1223
Delta R.T. -0.01 min
Lab File: VD061735.D
Acq: 11 Apr 2019 12:10

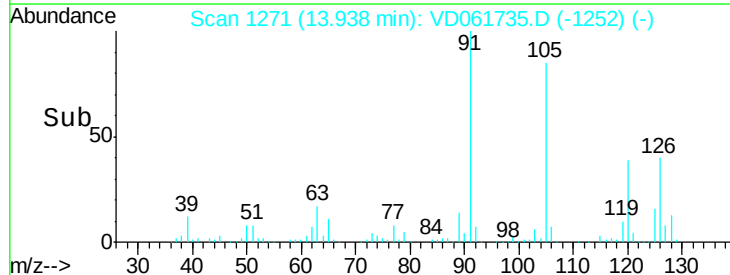
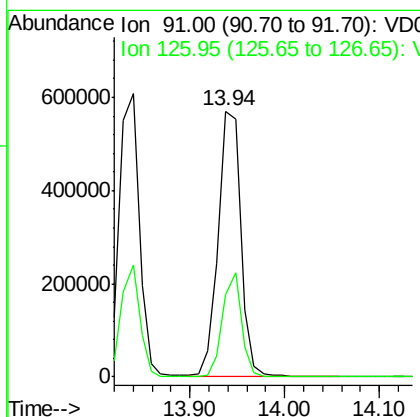
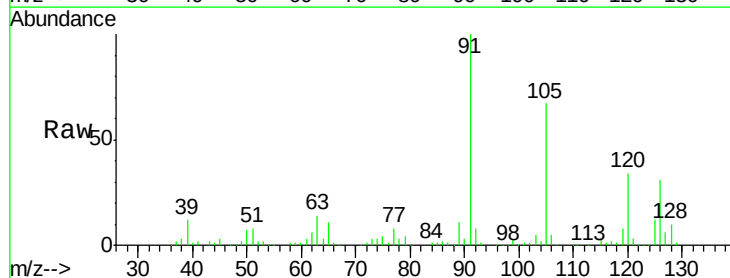
Instrument :
MSVOA_D
ClientSampled :

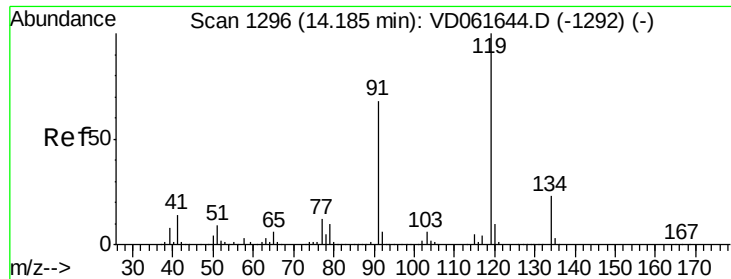
Tot Ion: 75 Resp: 82593
Ion Ratio Lower Upper
75 100
53 86.6 60.2 90.2
89 41.6 34.2 51.2



#82
4-Chlorotoluene
Concen: 47.409 ug/l
RT: 13.94 min Scan# 1271
Delta R.T. -0.01 min
Lab File: VD061735.D
Acq: 11 Apr 2019 12:10

Tgt Ion: 91 Resp: 944810
Ion Ratio Lower Upper
91 100
126 31.1 19.0 57.0

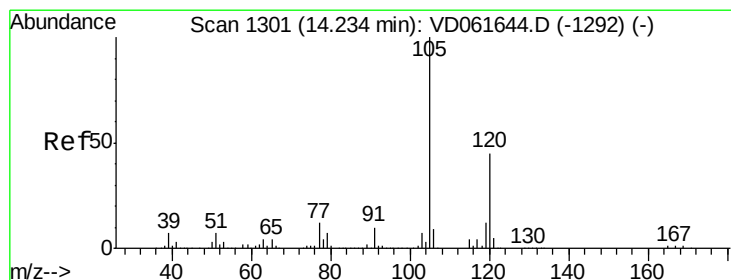
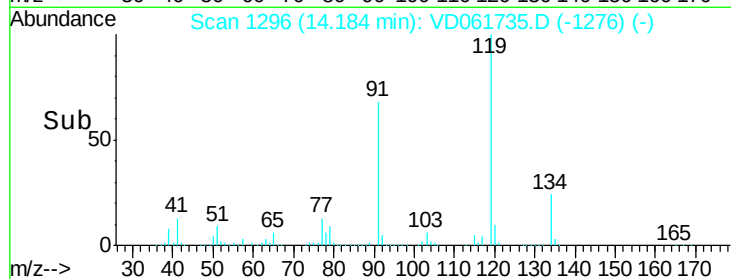
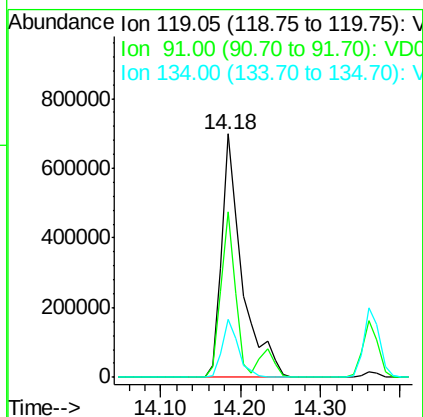
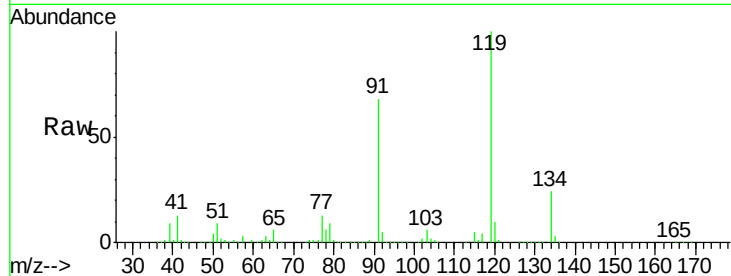




#83
 tert-Butylbenzene
 Concen: 49.858 ug/l
 RT: 14.18 min Scan# 1296
 Delta R.T. -0.00 min
 Lab File: VD061735.D
 Acq: 11 Apr 2019 12:10

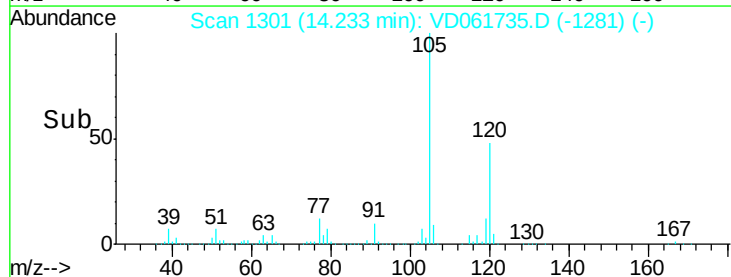
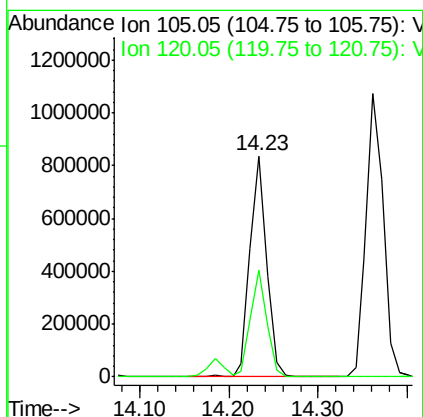
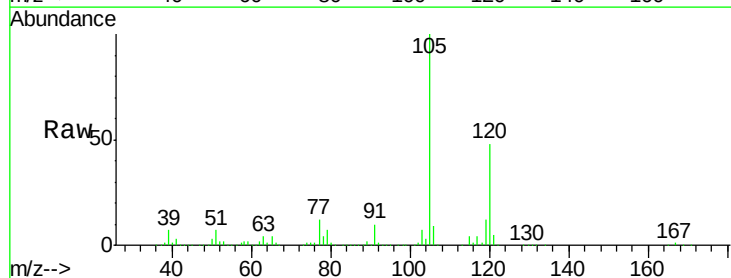
Instrument :
 MSVOA_D
 ClientSampled :

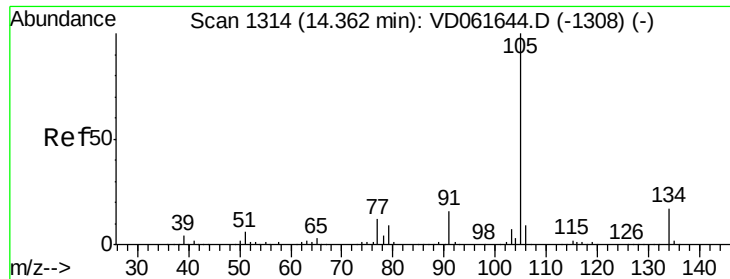
Tot Ion:119 Resp: 1268551
 Ion Ratio Lower Upper
 119 100
 91 68.1 33.9 101.6
 134 23.8 11.6 34.8



#84
 1,2,4-Trimethylbenzene
 Concen: 51.009 ug/l
 RT: 14.23 min Scan# 1301
 Delta R.T. -0.00 min
 Lab File: VD061735.D
 Acq: 11 Apr 2019 12:10

Tgt Ion:105 Resp: 1086387
 Ion Ratio Lower Upper
 105 100
 120 48.0 22.6 67.8





#85

sec-Butylbenzene

Concen: 52.593 ug/l

RT: 14.36 min Scan# 1314

Delta R.T. -0.00 min

Lab File: VD061735.D

Acq: 11 Apr 2019 12:10

Instrument :

MSVOA_D

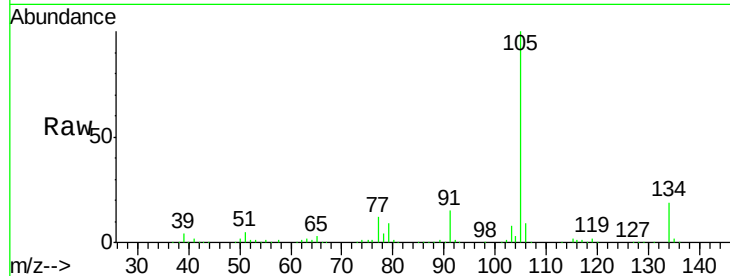
ClientSampleID :

Tot Ion:105 Resp: 1445771

Ion Ratio Lower Upper

105 100

134 18.7 8.6 25.7



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 134.10 (133.80 to 134.80): V

1200000

1000000

800000

600000

400000

200000

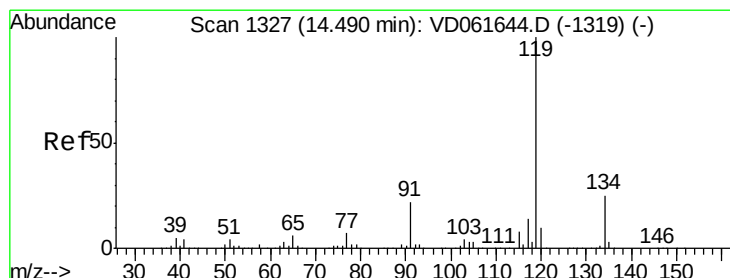
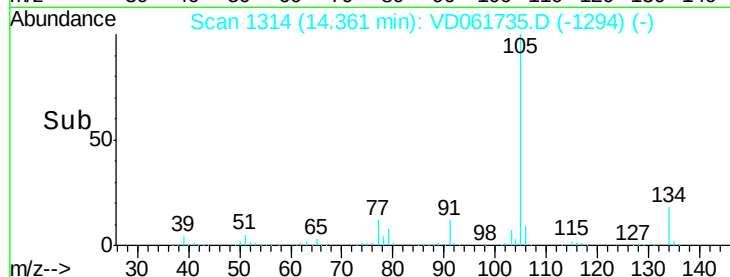
0

14.36

14.30

14.40

Time-->



#86

p-Isopropyltoluene

Concen: 51.543 ug/l

RT: 14.49 min Scan# 1327

Delta R.T. -0.00 min

Lab File: VD061735.D

Acq: 11 Apr 2019 12:10

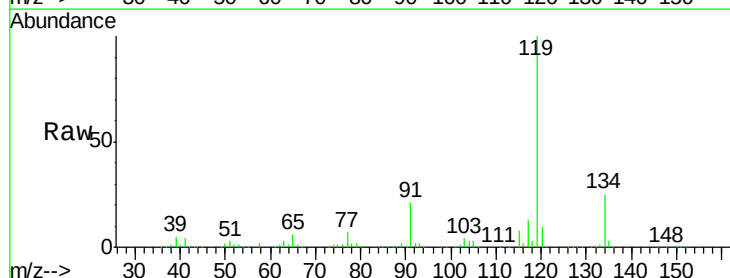
Tgt Ion:119 Resp: 1229171

Ion Ratio Lower Upper

119 100

134 25.3 12.5 37.5

91 20.9 11.0 33.0



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

1200000

1000000

800000

600000

400000

200000

0

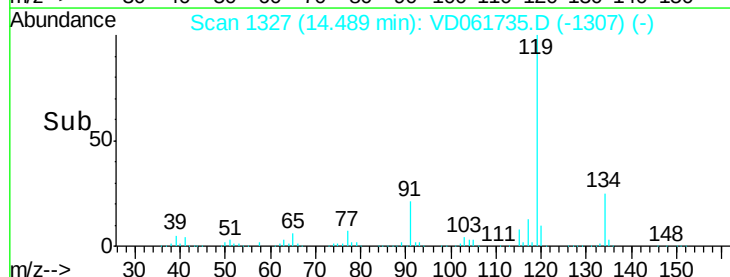
14.49

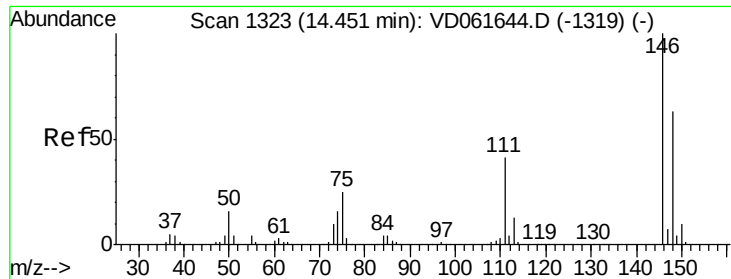
14.40

14.50

14.60

Time-->

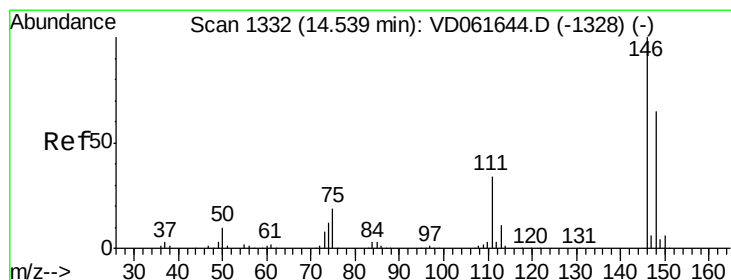
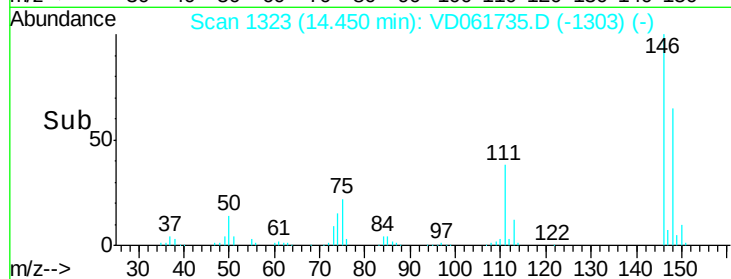
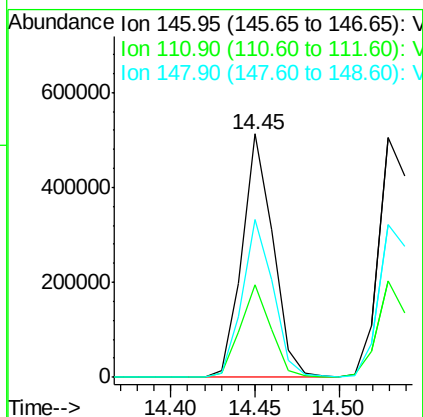
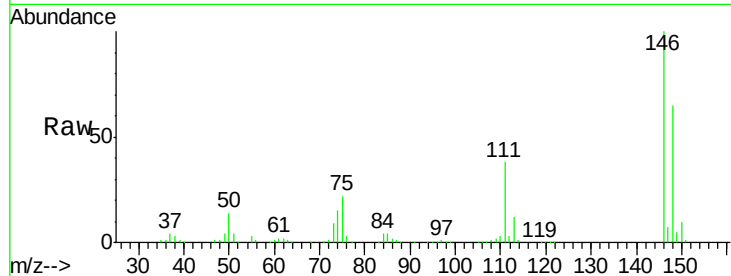




#87
 1,3-Dichlorobenzene
 Concen: 49.241 ug/l
 RT: 14.45 min Scan# 1323
 Delta R.T. -0.00 min
 Lab File: VD061735.D
 Acq: 11 Apr 2019 12:10

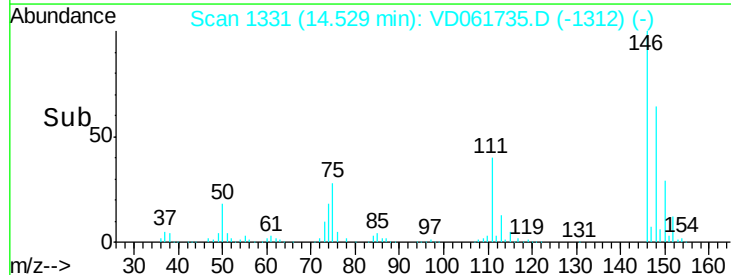
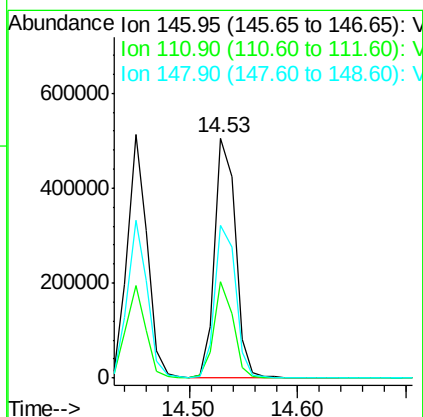
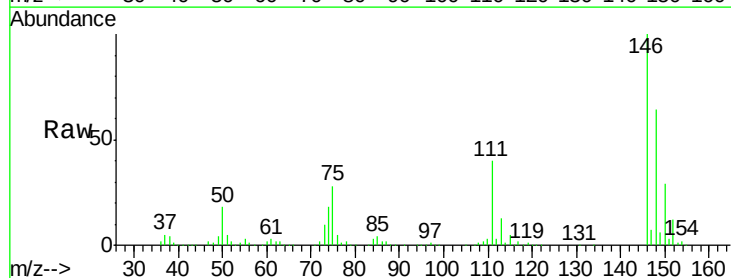
Instrument :
 MSVOA_D
 ClientSampleId :

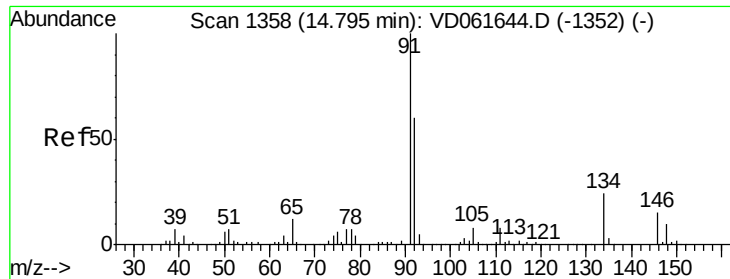
Tot Ion	Ratio	Lower	Upper
146	100		
111	38.2	20.3	61.0
148	65.0	31.7	95.1



#88
 1,4-Dichlorobenzene
 Concen: 50.482 ug/l
 RT: 14.53 min Scan# 1331
 Delta R.T. -0.01 min
 Lab File: VD061735.D
 Acq: 11 Apr 2019 12:10

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.0	17.1	51.2
148	63.8	32.6	97.7





#89

n-Butylbenzene

Concen: 48.607 ug/l

RT: 14.79 min Scan# 1358

Delta R.T. -0.00 min

Lab File: VD061735.D

Acq: 11 Apr 2019 12:10

Instrument :

MSVOA_D

ClientSampleId :

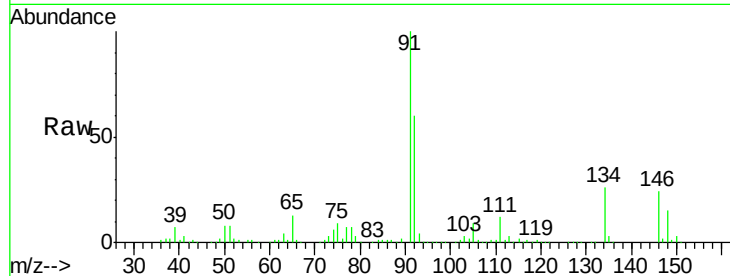
Tot Ion: 91 Resp: 1007513

Ion Ratio Lower Upper

91 100

92 60.1 29.8 89.4

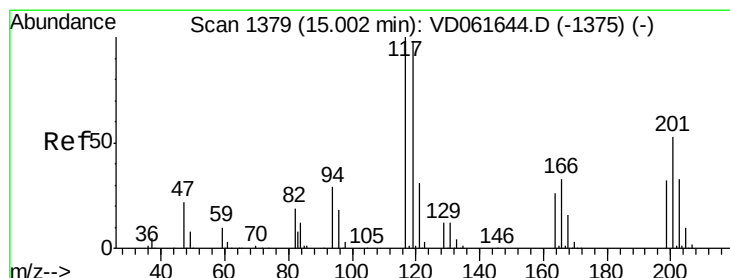
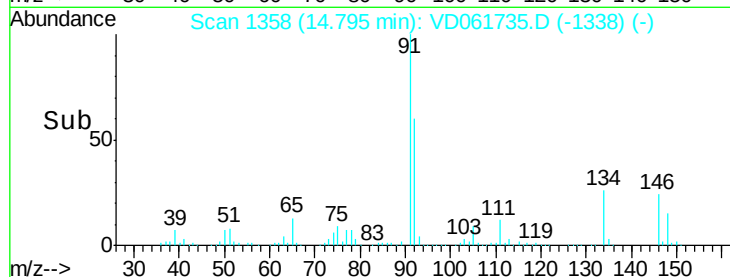
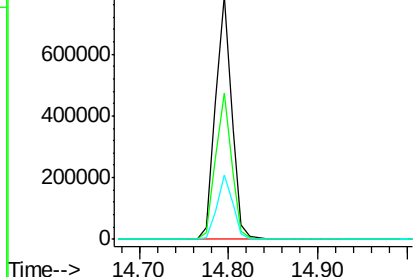
134 26.2 12.2 36.4



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 92.00 (91.70 to 92.70): VDC

Ion 134.10 (133.80 to 134.80): VDC



#90

Hexachloroethane

Concen: 53.301 ug/l

RT: 15.00 min Scan# 1379

Delta R.T. -0.00 min

Lab File: VD061735.D

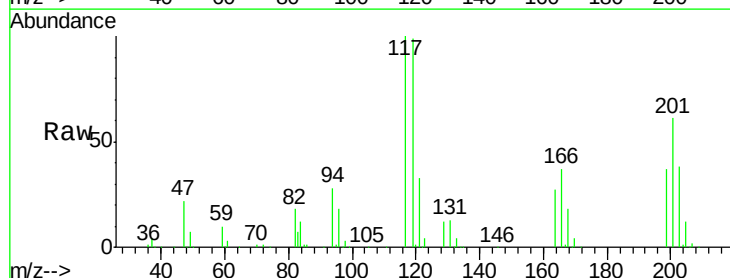
Acq: 11 Apr 2019 12:10

Tgt Ion: 117 Resp: 344896

Ion Ratio Lower Upper

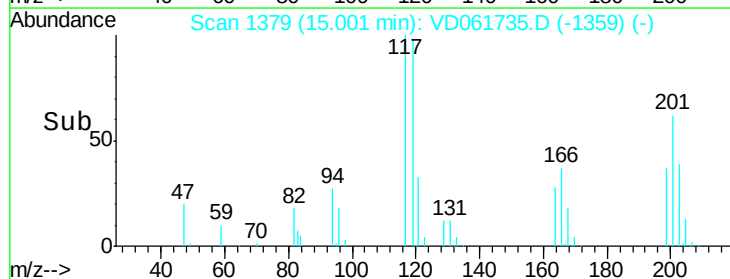
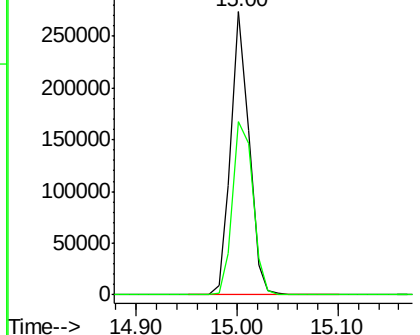
117 100

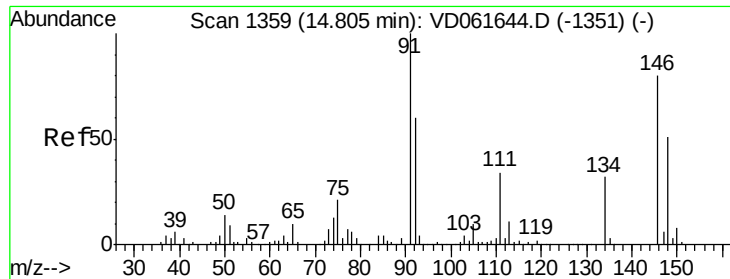
201 61.2 26.3 78.8



Abundance Ion 116.85 (116.55 to 117.55): VDC

Ion 200.75 (200.45 to 201.45): VDC

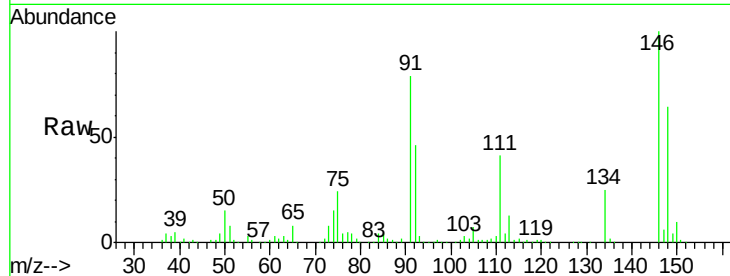




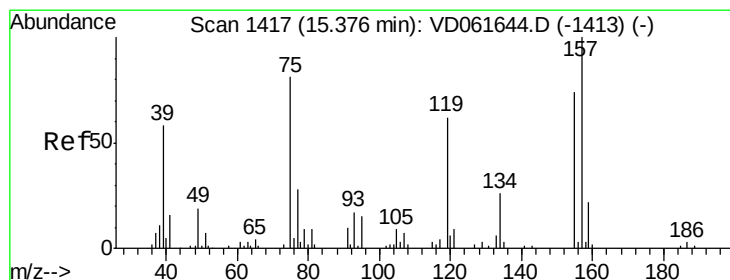
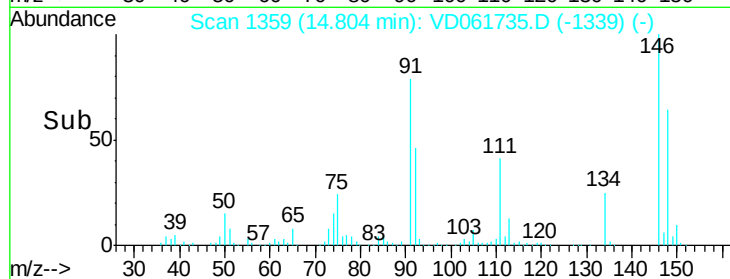
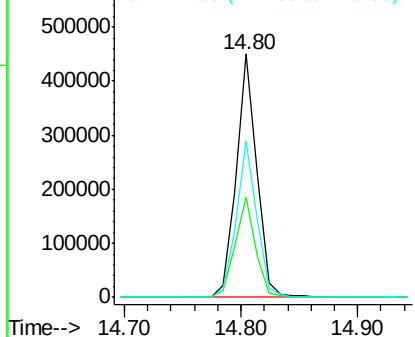
#91
 1,2-Dichlorobenzene
 Concen: 49.959 ug/l
 RT: 14.80 min Scan# 1359
 Delta R.T. -0.00 min
 Lab File: VD061735.D
 Acq: 11 Apr 2019 12:10

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:146 Resp: 546868
 Ion Ratio Lower Upper
 146 100
 111 41.1 21.1 63.3
 148 64.4 31.7 95.1

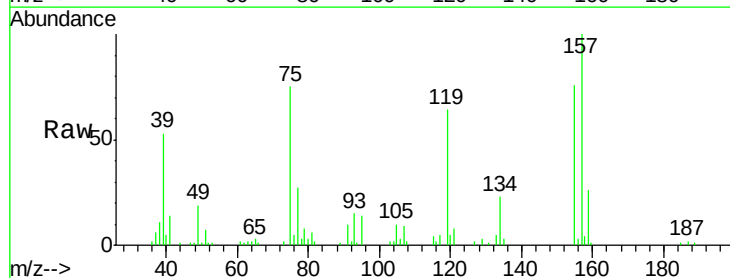


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

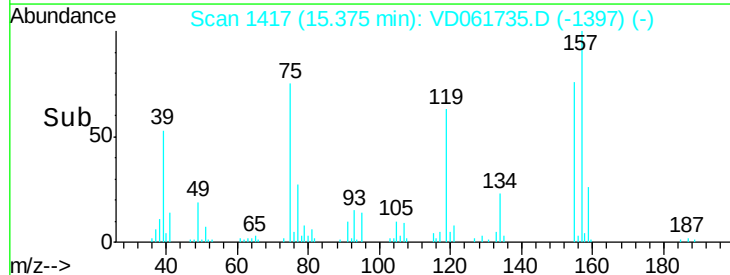
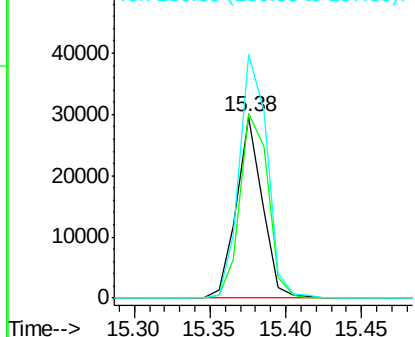


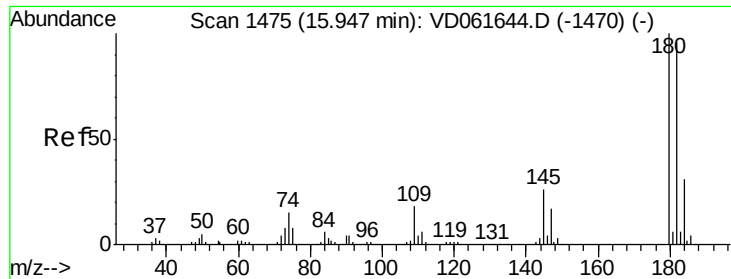
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 52.860 ug/l
 RT: 15.38 min Scan# 1417
 Delta R.T. 0.00 min
 Lab File: VD061735.D
 Acq: 11 Apr 2019 12:10

Tgt Ion: 75 Resp: 35067
 Ion Ratio Lower Upper
 75 100
 155 101.6 45.6 136.7
 157 134.2 61.4 184.2



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

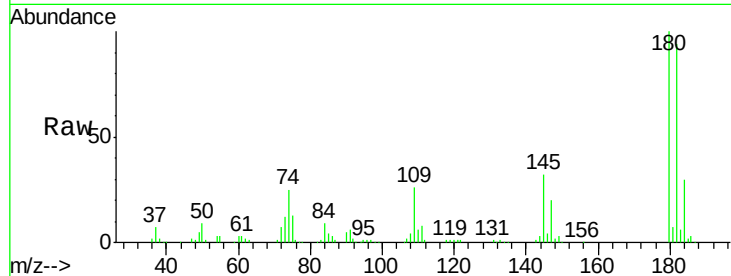




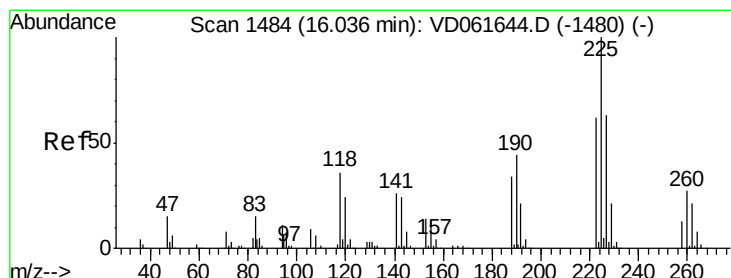
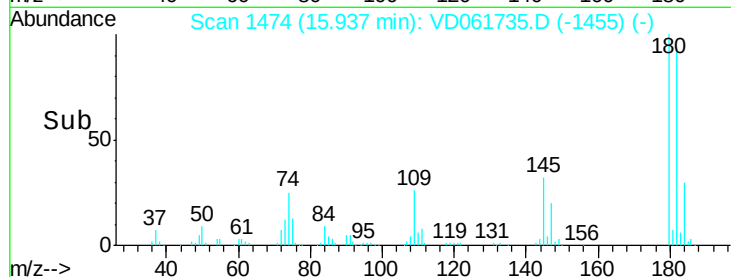
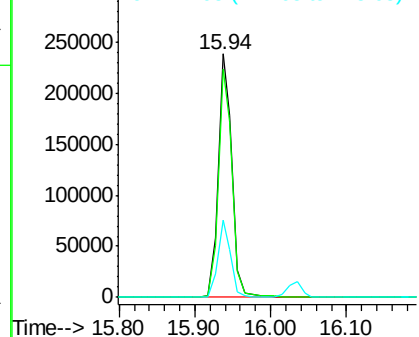
#93
 1,2,4-Trichlorobenzene
 Concen: 55.100 ug/l
 RT: 15.94 min Scan# 1474
 Delta R.T. -0.01 min
 Lab File: VD061735.D
 Acq: 11 Apr 2019 12:10

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:180 Resp: 307284
 Ion Ratio Lower Upper
 180 100
 182 93.5 47.8 143.3
 145 31.6 13.3 39.8

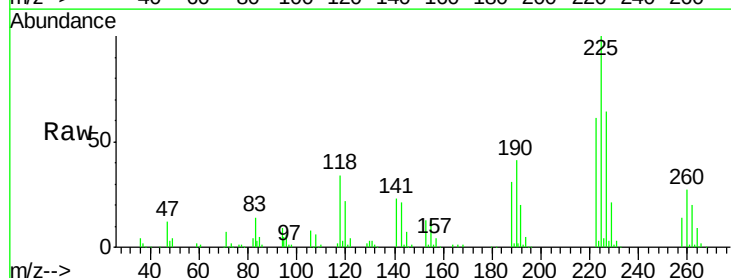


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

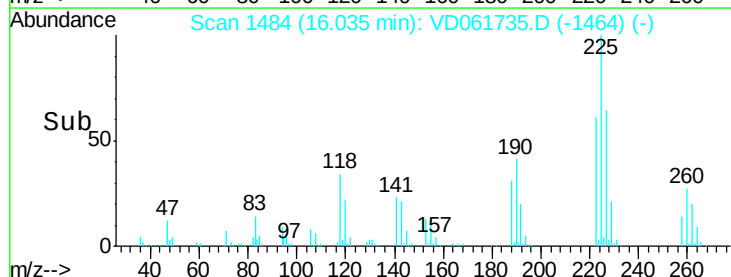
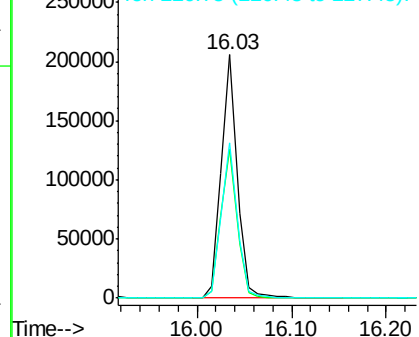


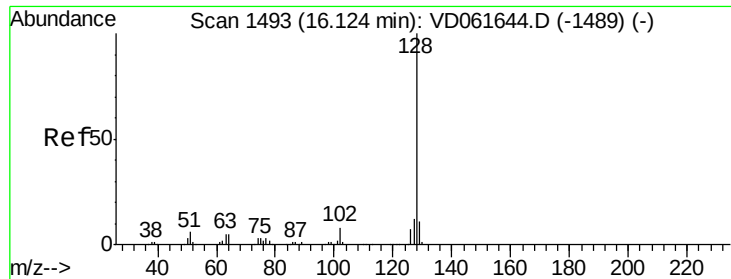
#94
 Hexachlorobutadiene
 Concen: 56.548 ug/l
 RT: 16.03 min Scan# 1484
 Delta R.T. -0.00 min
 Lab File: VD061735.D
 Acq: 11 Apr 2019 12:10

Tgt Ion:225 Resp: 243509
 Ion Ratio Lower Upper
 225 100
 223 61.3 30.8 92.3
 227 64.0 31.5 94.5



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

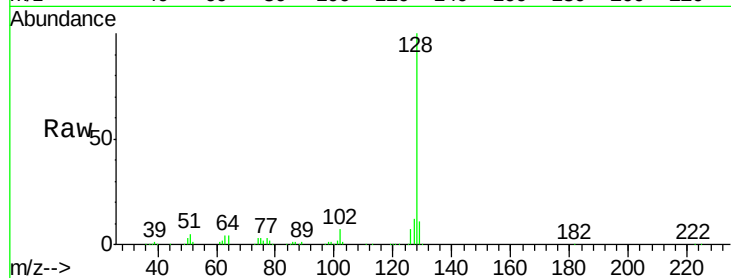




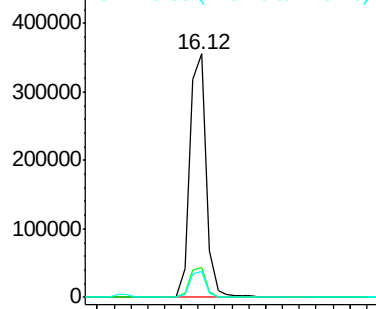
#95
Naphthalene
Concen: 54.273 ug/l
RT: 16.12 min Scan# 1493
Delta R.T. -0.00 min
Lab File: VD061735.D
Acq: 11 Apr 2019 12:10

Instrument :
MSVOA_D
ClientSampleId :

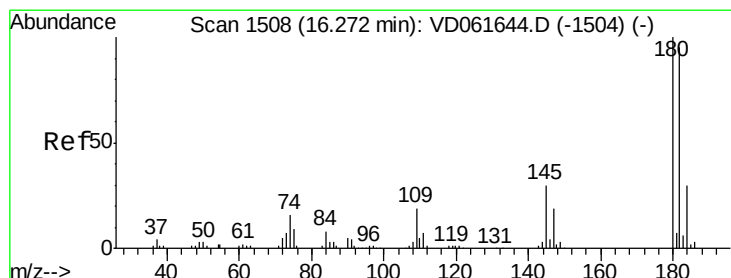
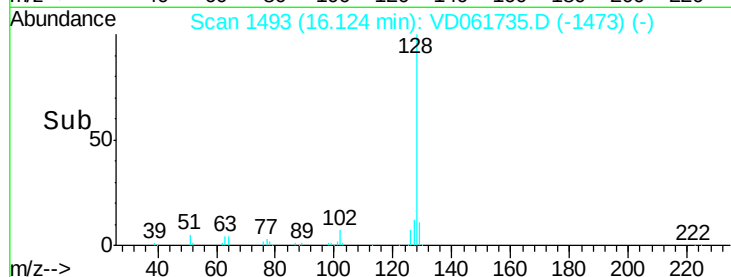
Tot Ion:128 Resp: 478916
Ion Ratio Lower Upper
128 100
127 12.2 9.4 14.2
129 10.7 8.8 13.2



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

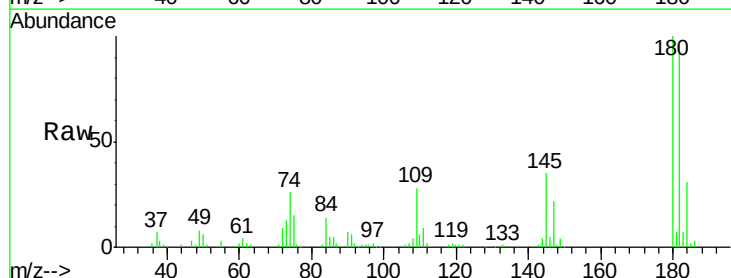


Time--> 16.00 16.10 16.20 16.30

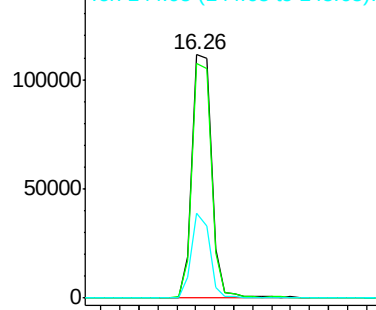


#96
1,2,3-Trichlorobenzene
Concen: 57.473 ug/l
RT: 16.26 min Scan# 1507
Delta R.T. -0.01 min
Lab File: VD061735.D
Acq: 11 Apr 2019 12:10

Tgt Ion:180 Resp: 159963
Ion Ratio Lower Upper
180 100
182 96.4 47.3 142.0
145 35.0 15.1 45.3



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



Time--> 16.20 16.30 16.40

