

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 02:53:42 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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 Response via : Initial Calibration

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

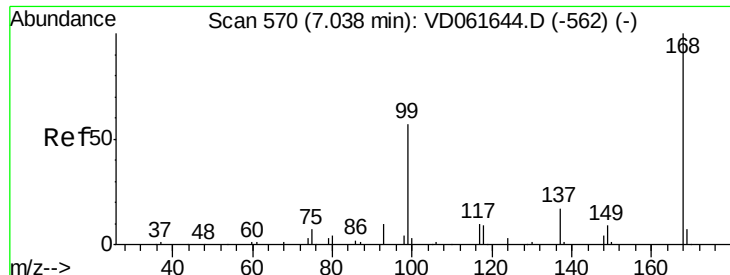
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Quant Title : SW846 8260
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Response via : Initial Calibration

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

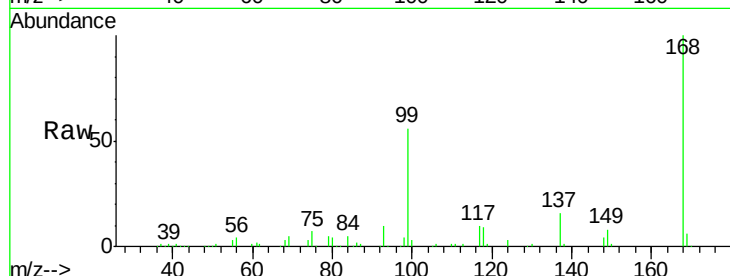
ClientSampleId :

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

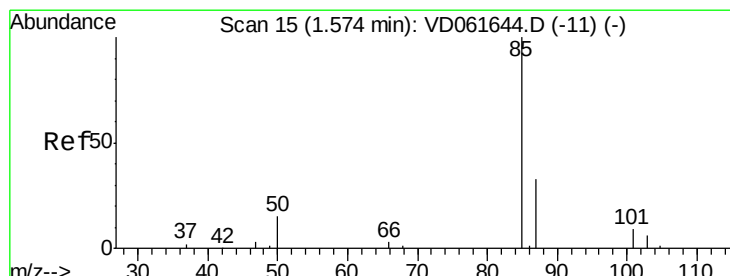
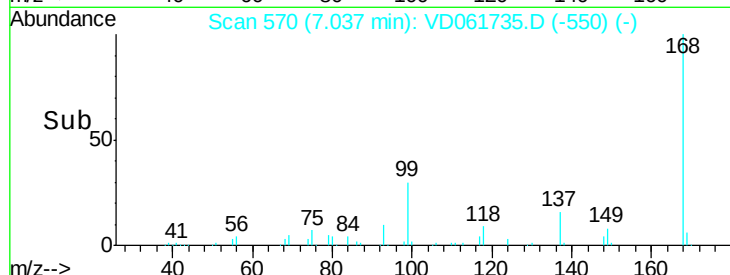
100000

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

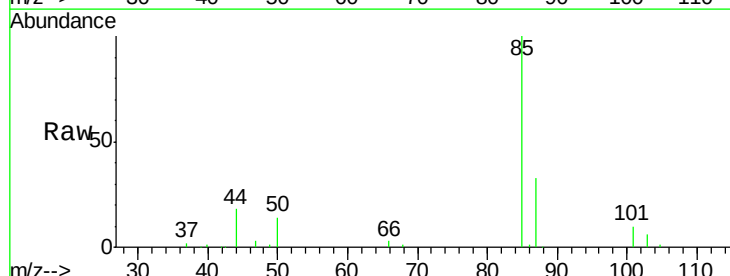
Acq: 11 Apr 2019 12:10

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

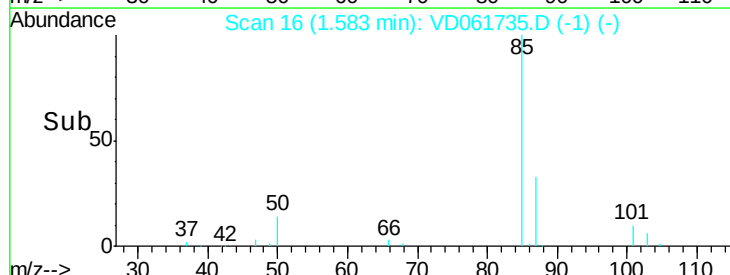
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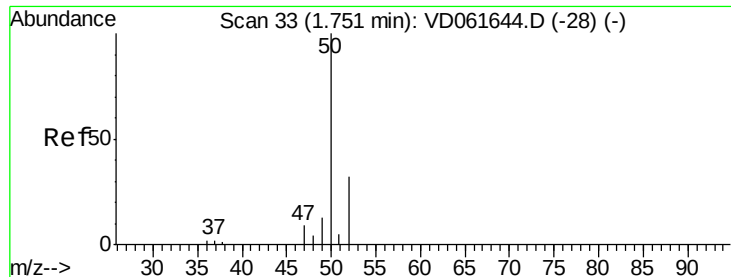
50000

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

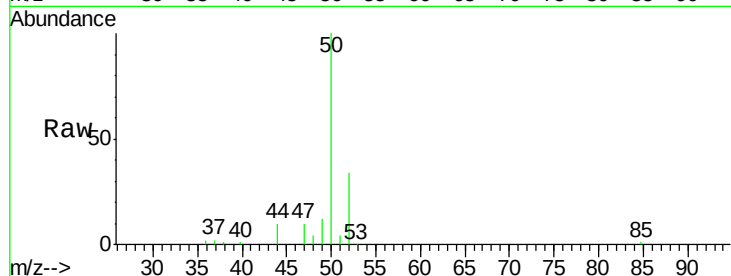
ClientSampleId :

Tot Ion: 50 Resp: 248945

Ion Ratio Lower Upper

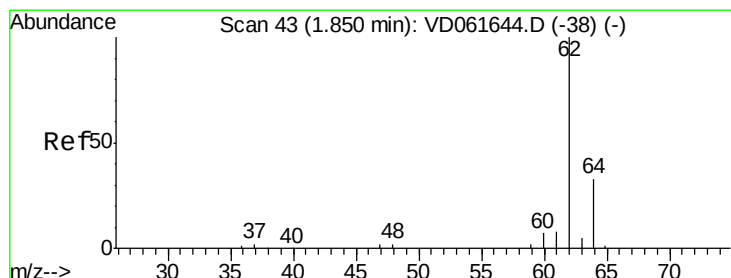
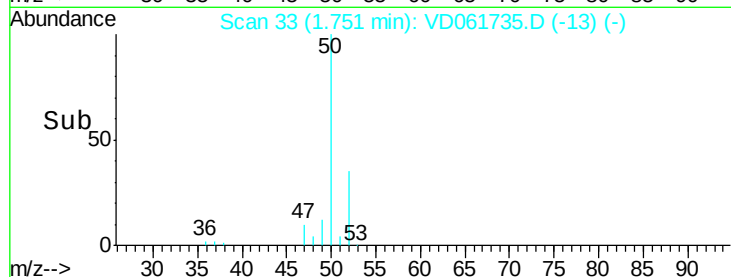
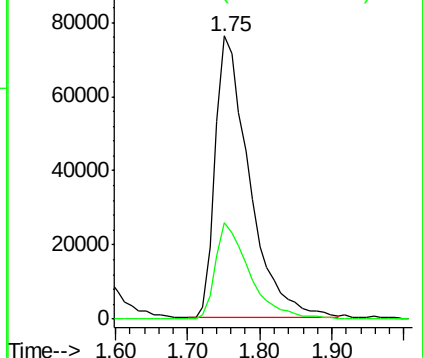
50 100

52 34.3 25.1 37.7



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 48.286 ug/l

RT: 1.85 min Scan# 43

Delta R.T. -0.00 min

Lab File: VD061735.D

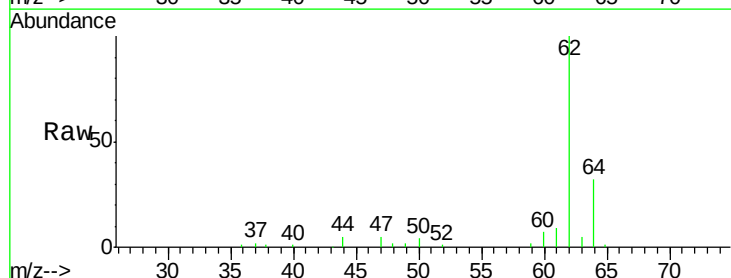
Acq: 11 Apr 2019 12:10

Tgt Ion: 62 Resp: 253976

Ion Ratio Lower Upper

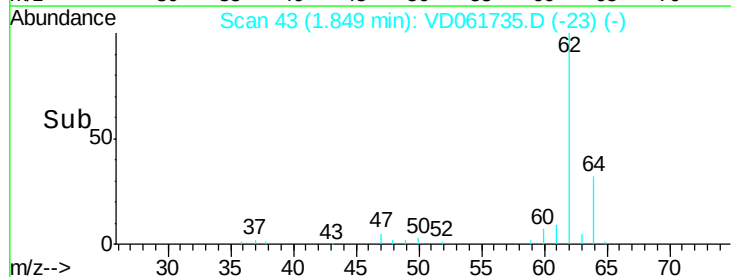
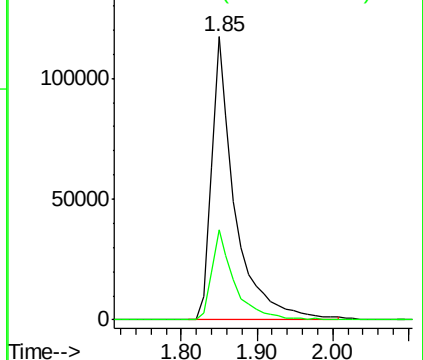
62 100

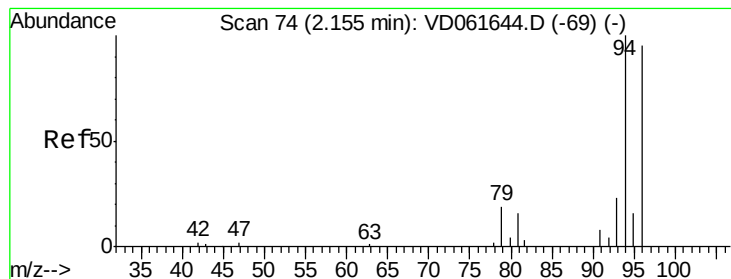
64 31.6 26.2 39.2



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#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 :

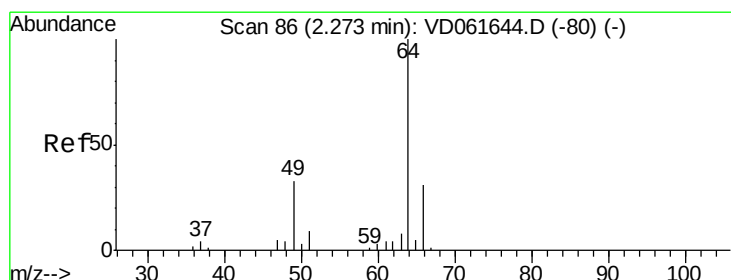
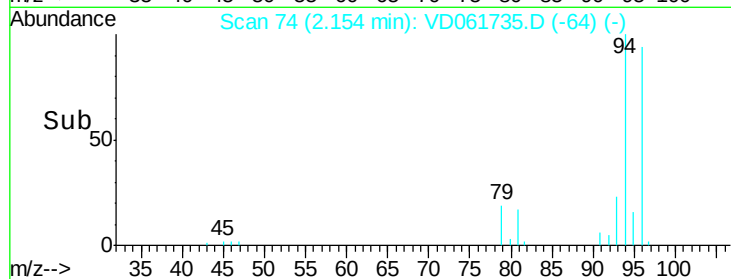
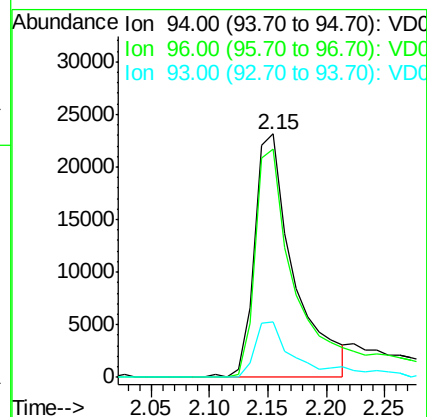
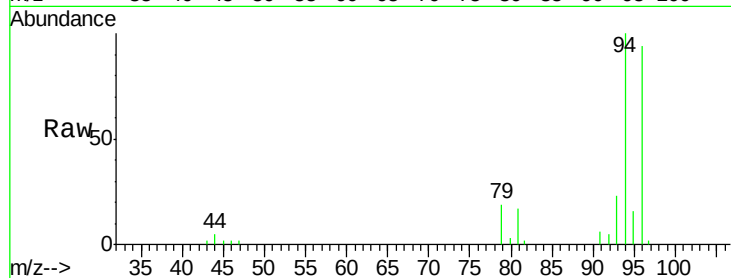
Tot Ion: 94 Resp: 54099

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

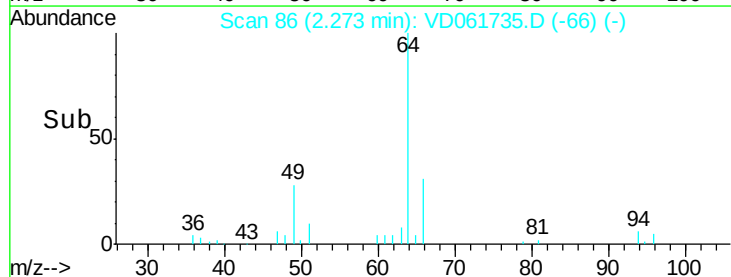
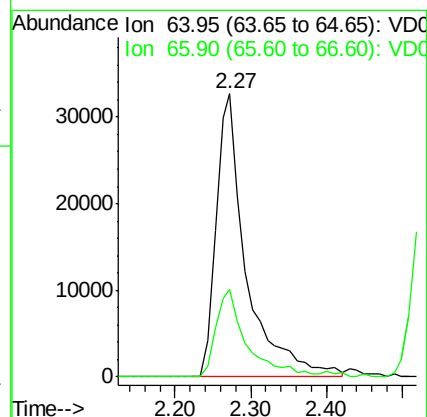
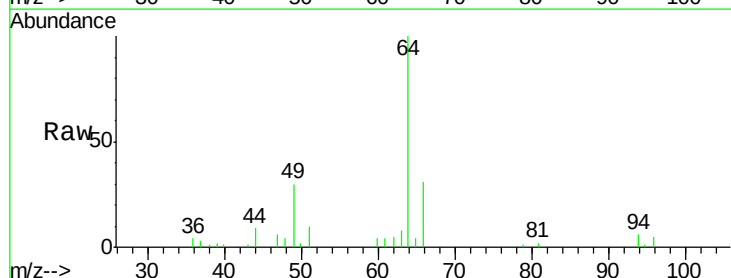
Acq: 11 Apr 2019 12:10

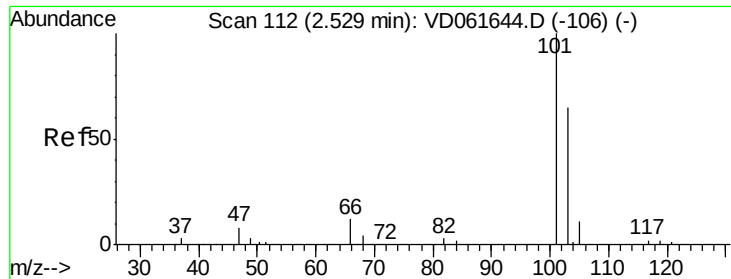
Tgt Ion: 64 Resp: 90489

Ion Ratio Lower Upper

64 100

66 31.0 24.9 37.3



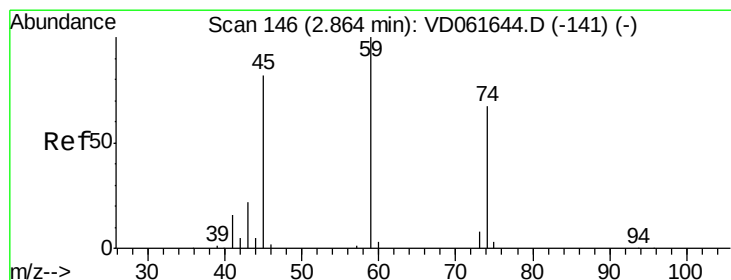
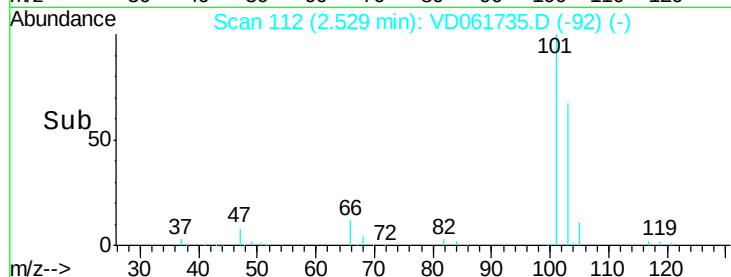
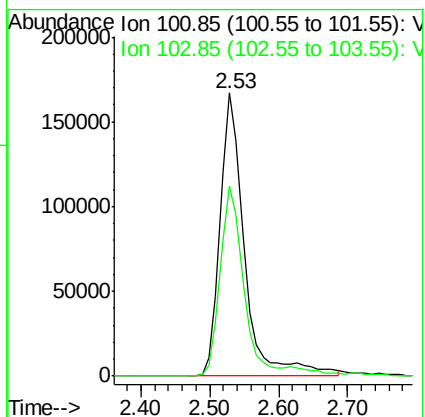
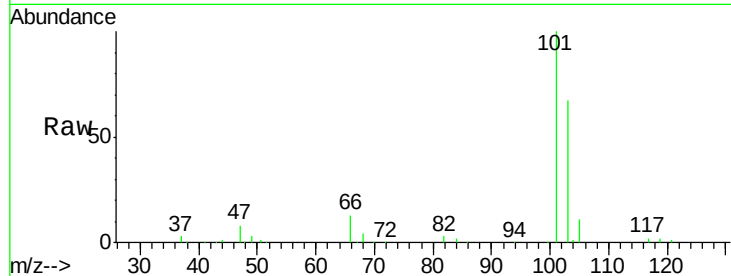


#7

Trichlorofluoromethane
 Concen: 51.852 ug/l
 RT: 2.53 min Scan# 112
 Delta R.T. -0.00 min
 Lab File: VD061735.D
 Acq: 11 Apr 2019 12:10

Instrument :
 MSVOA_D
 ClientSampleId :

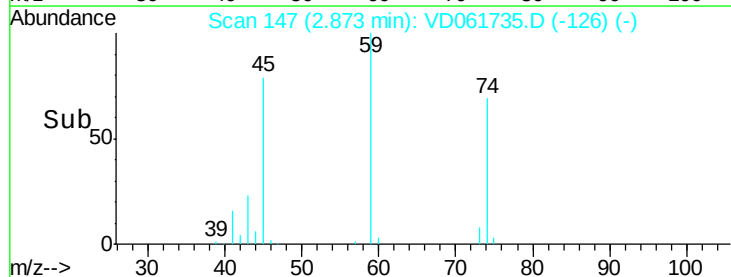
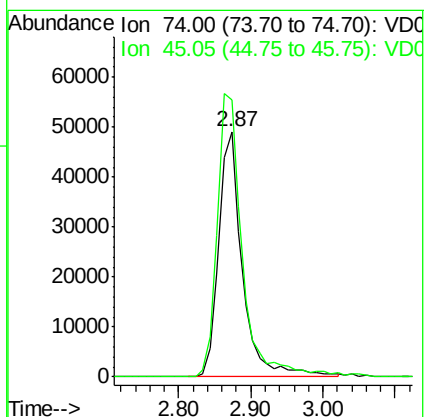
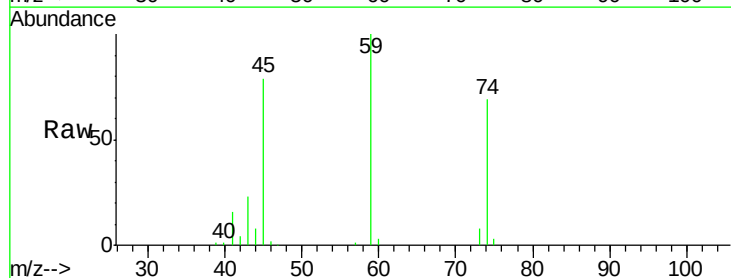
Tot Ion:101 Resp: 411794
 Ion Ratio Lower Upper
 101 100
 103 67.0 52.0 78.0

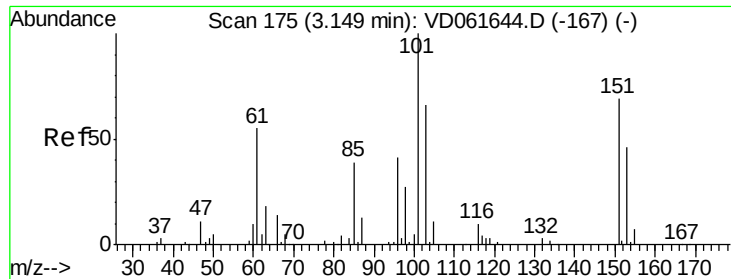


#8

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

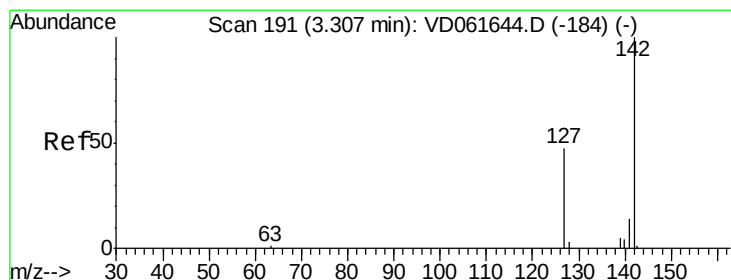
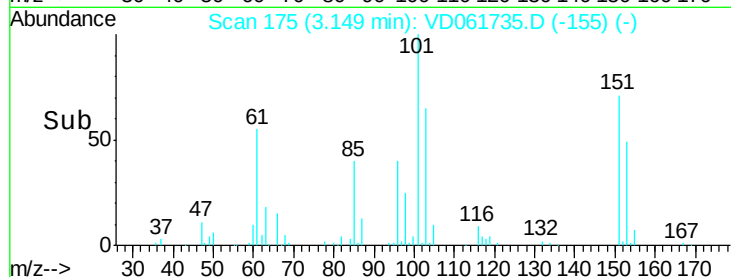
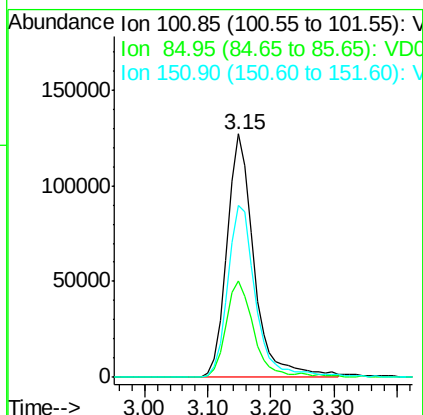
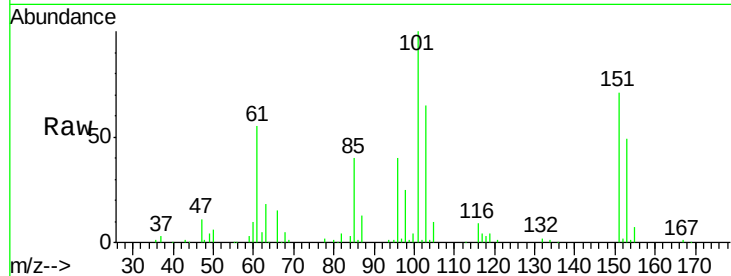




#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 48.403 ug/l
 RT: 3.15 min Scan# 175
 Delta R.T. -0.00 min
 Lab File: VD061735.D
 Acq: 11 Apr 2019 12:10

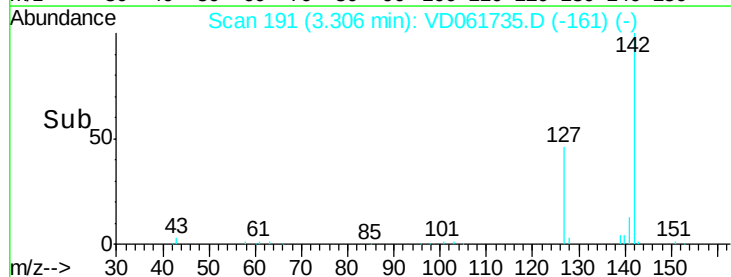
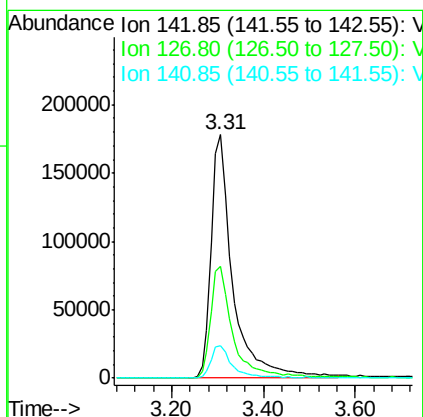
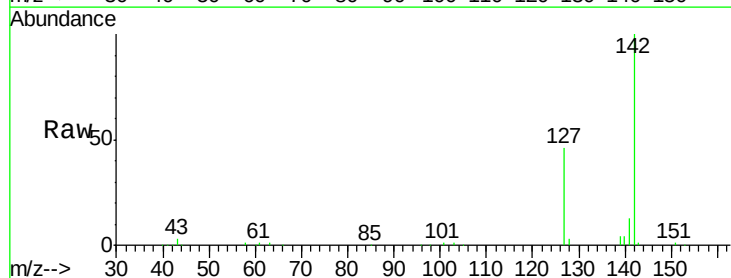
Instrument :
 MSVOA_D
 ClientSampleId :

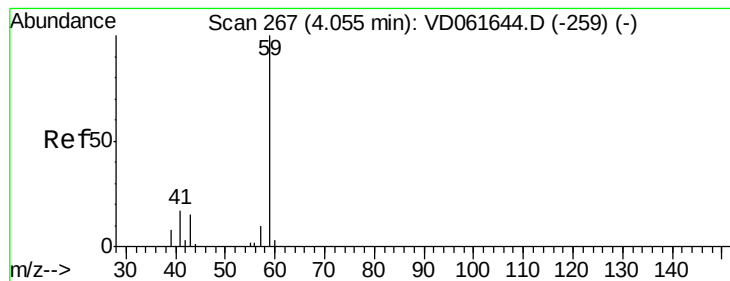
Tot Ion:101 Resp: 377919
 Ion Ratio Lower Upper
 101 100
 85 39.8 31.0 46.6
 151 70.7 55.3 82.9



#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



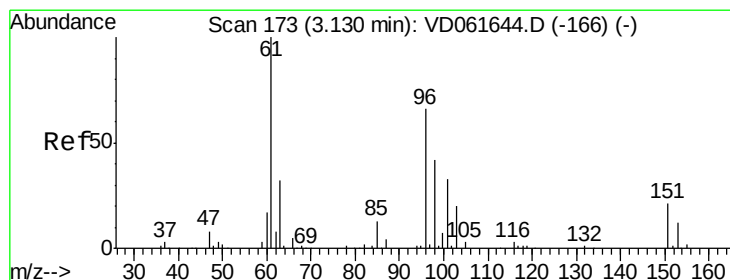
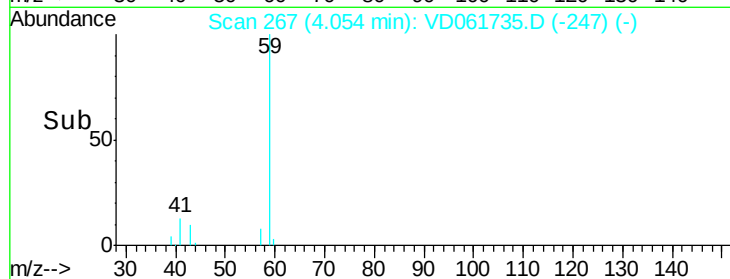
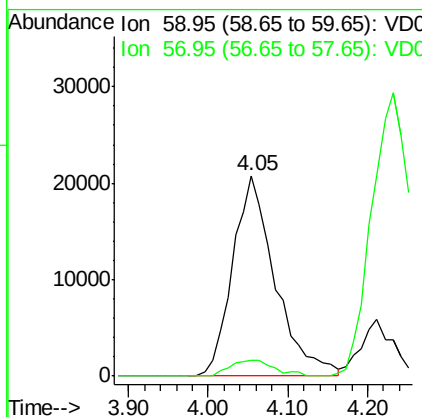
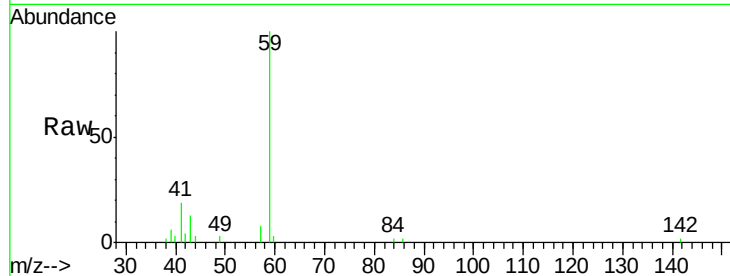


#11

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 :

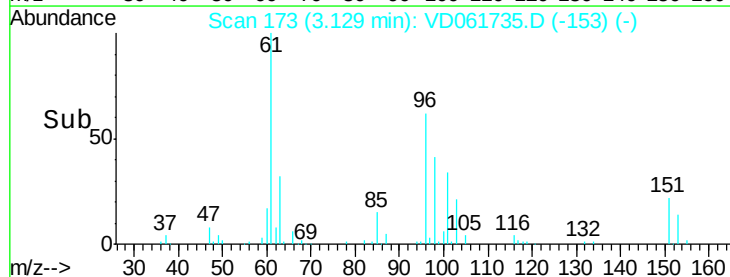
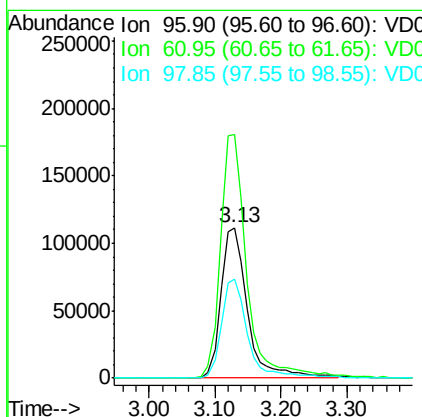
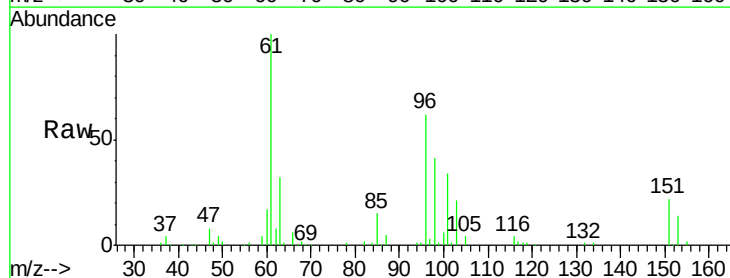
Tot Ion: 59 Resp: 76957
Ion Ratio Lower Upper
59 100
57 7.8 8.4 12.6#

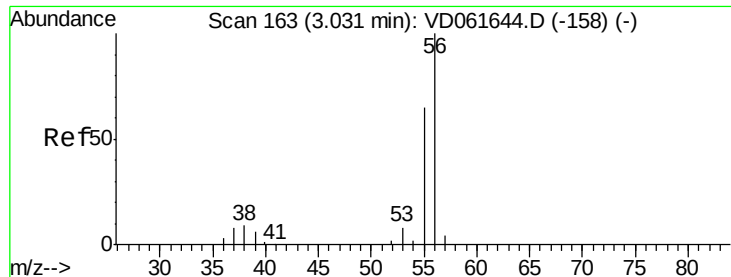


#12

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

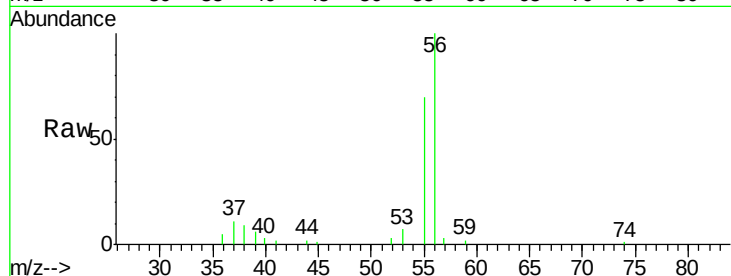
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 56 Resp: 90386

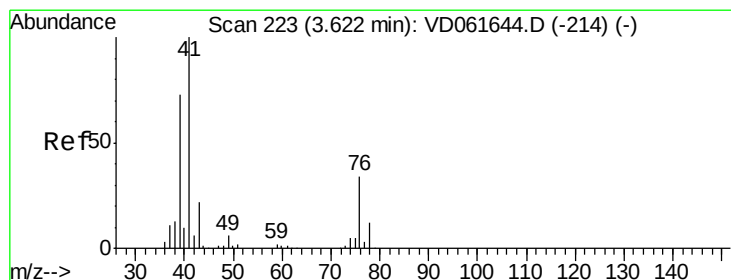
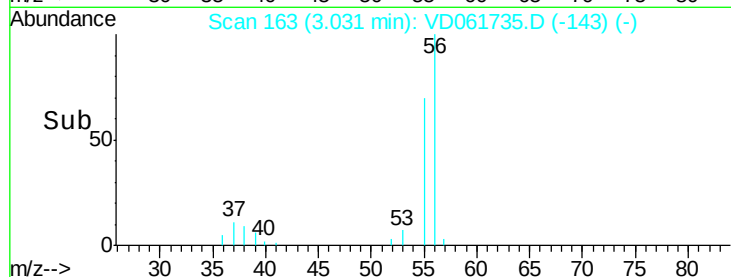
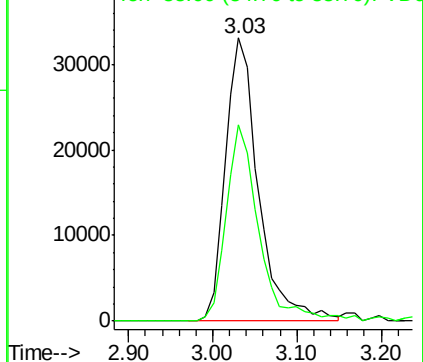
Ion Ratio Lower Upper

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



#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

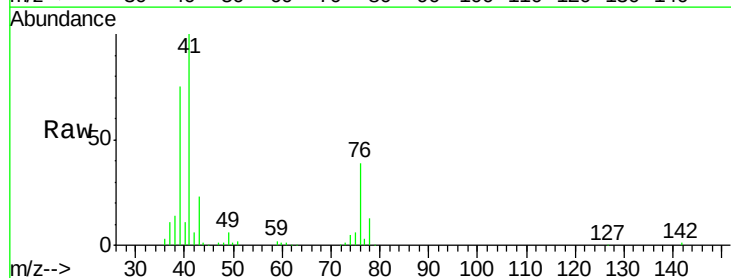
Tgt Ion: 41 Resp: 462101

Ion Ratio Lower Upper

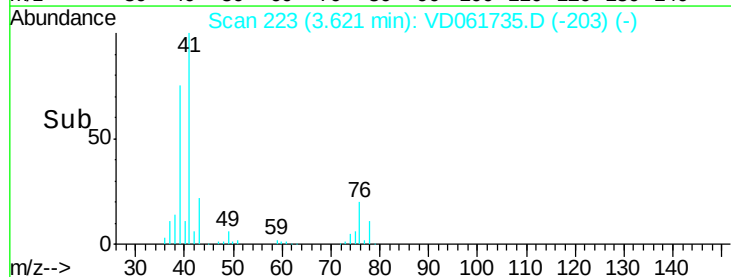
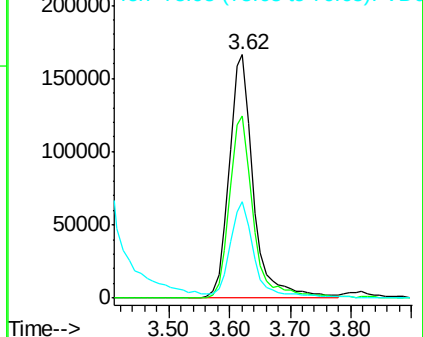
41 100

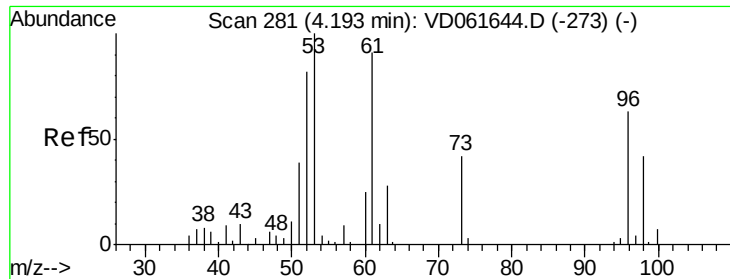
39 75.0 58.2 87.4

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





#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
ClientSampled :

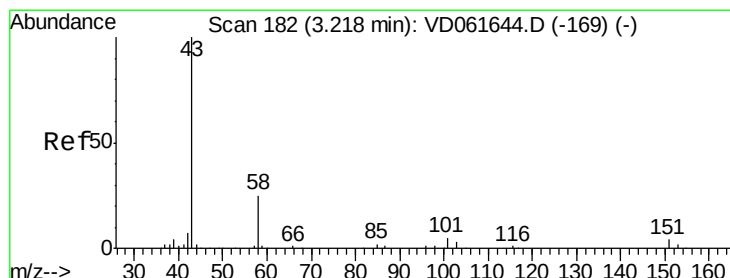
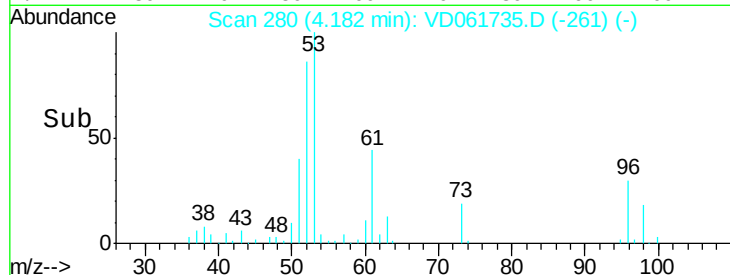
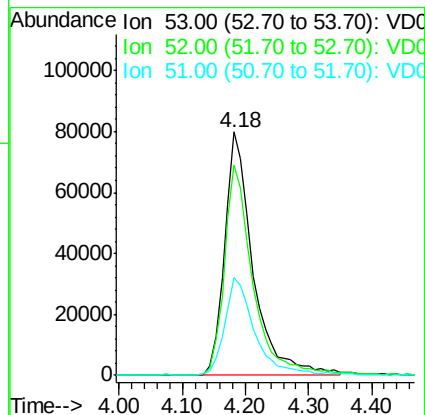
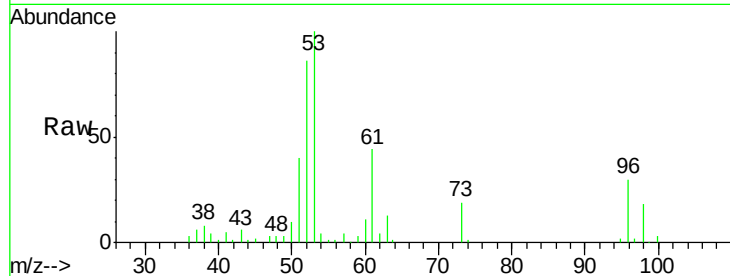
Tot Ion: 53 Resp: 249783

Ion Ratio Lower Upper

53 100

52 86.3 65.9 98.9

51 40.1 31.4 47.2



#16

Acetone

Concen: 271.727 ug/l

RT: 3.22 min Scan# 182

Delta R.T. -0.00 min

Lab File: VD061735.D

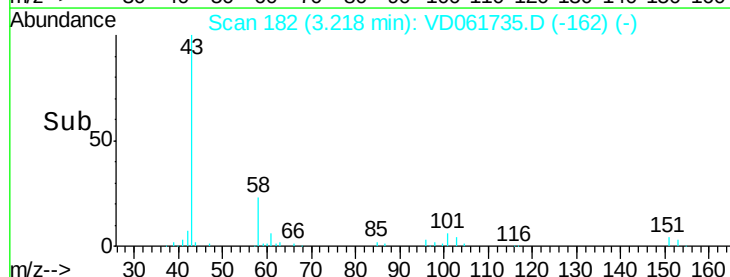
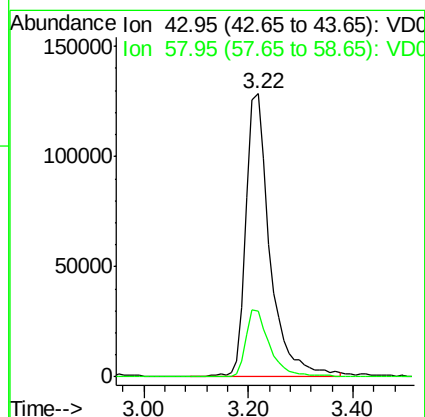
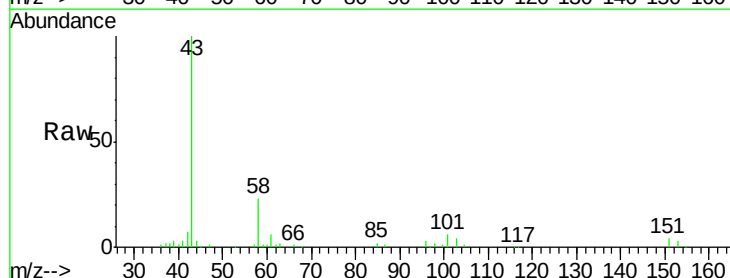
Acq: 11 Apr 2019 12:10

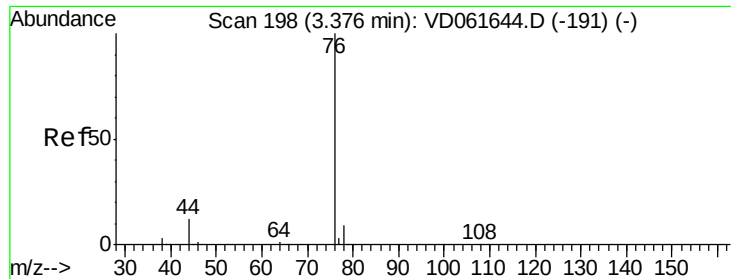
Tgt Ion: 43 Resp: 397536

Ion Ratio Lower Upper

43 100

58 23.5 19.7 29.5

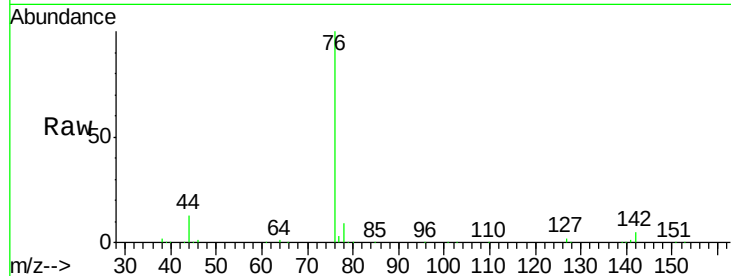




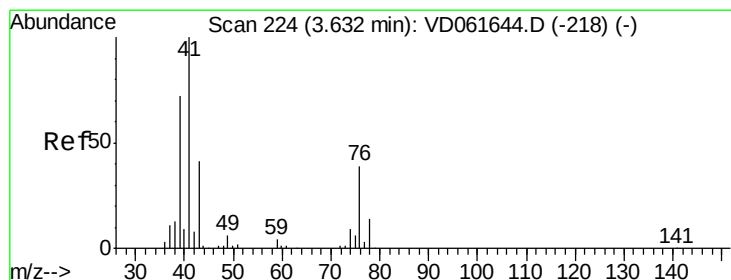
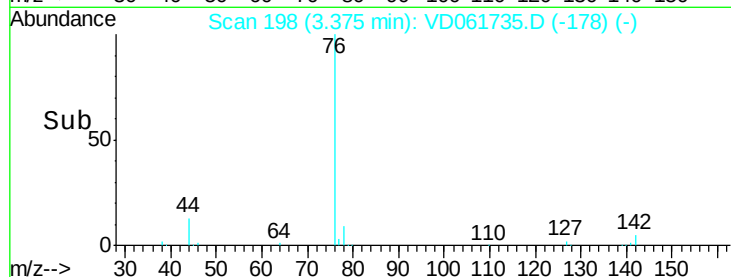
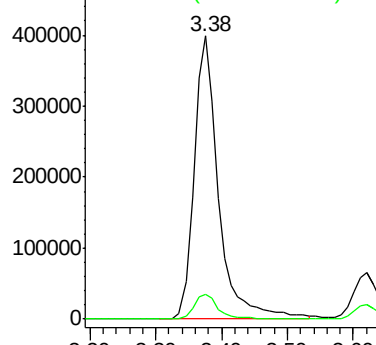
#17
Carbon Disulfide
Concen: 47.015 ug/l
RT: 3.38 min Scan# 198
Delta R.T. -0.00 min
Lab File: VD061735.D
Acq: 11 Apr 2019 12:10

Instrument :
MSVOA_D
ClientSampleId :

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

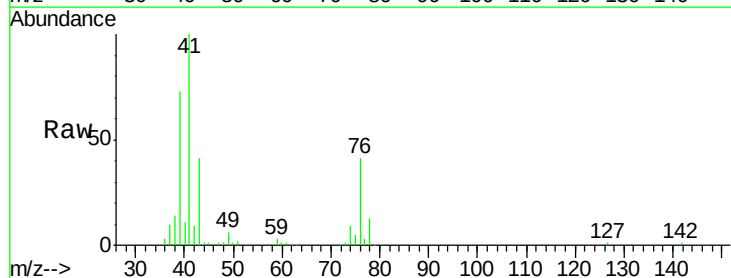


Abundance Ion 75.85 (75.55 to 76.55): VDC
Ion 77.85 (77.55 to 78.55): VDC

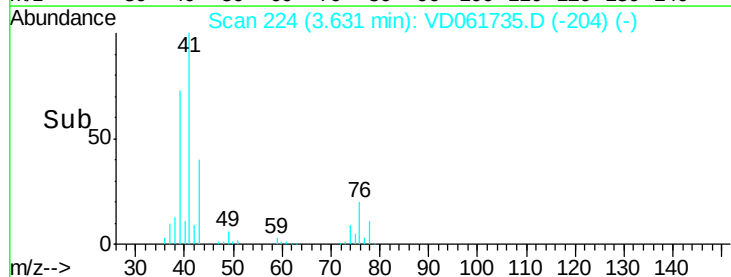
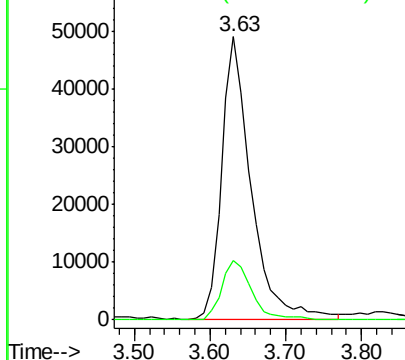


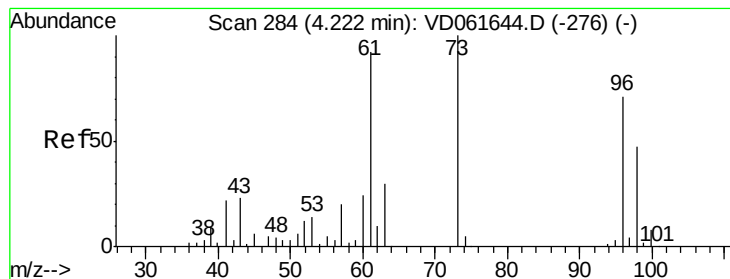
#18
Methyl Acetate
Concen: 48.373 ug/l
RT: 3.63 min Scan# 224
Delta R.T. -0.00 min
Lab File: VD061735.D
Acq: 11 Apr 2019 12:10

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



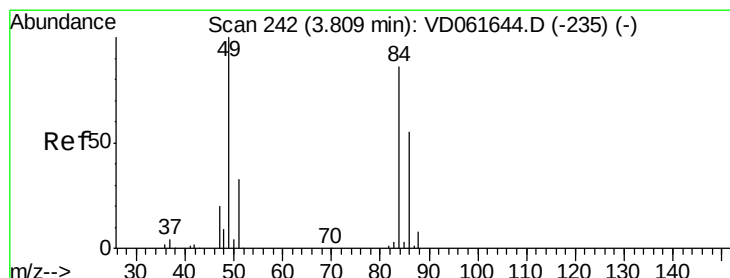
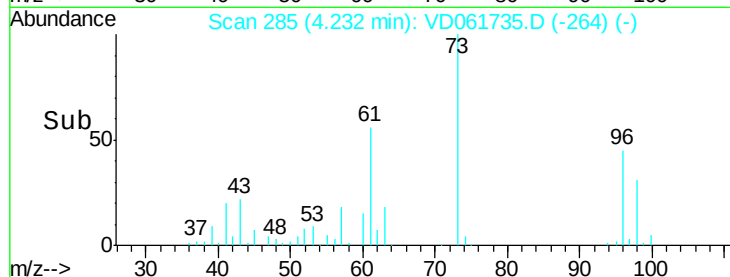
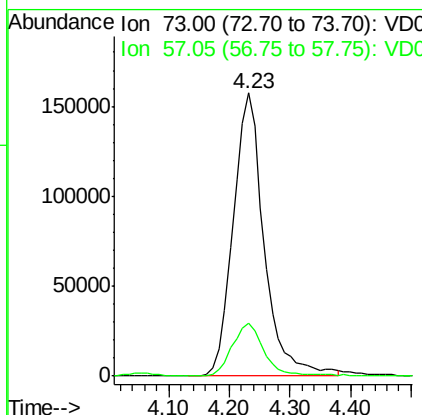
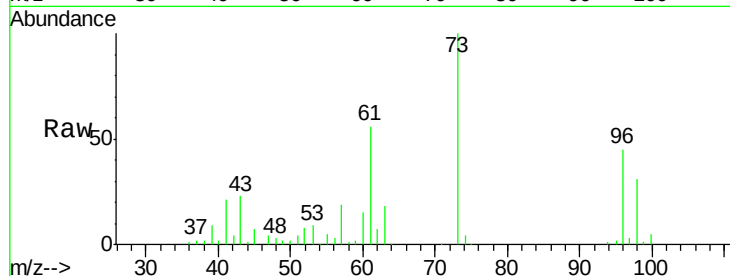


#19

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 :

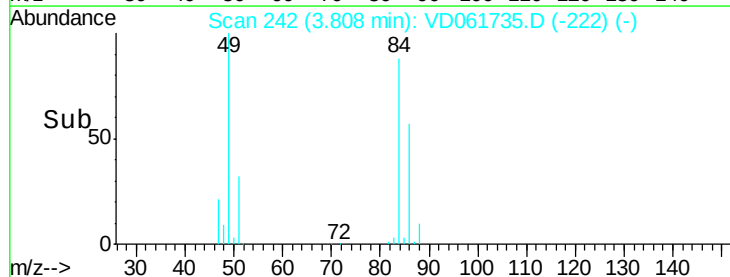
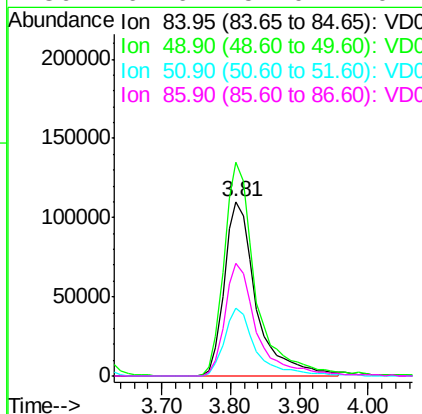
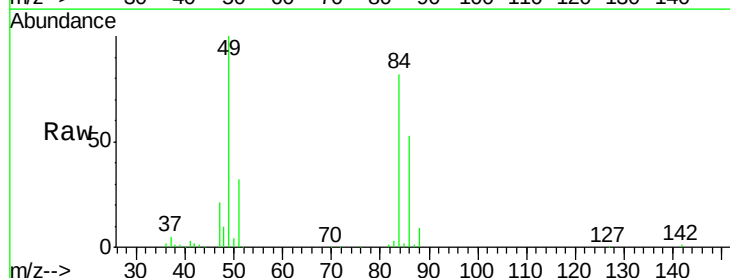
Tot Ion: 73 Resp: 559676
 Ion Ratio Lower Upper
 73 100
 57 18.6 16.0 24.0

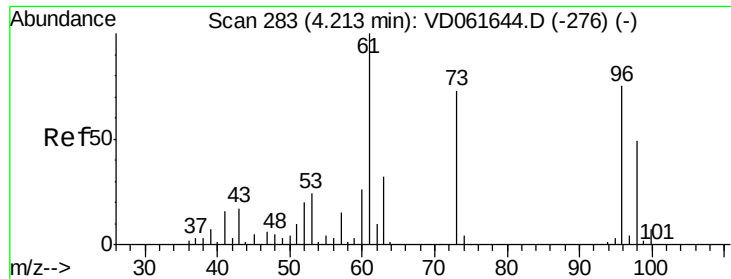


#20

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 :

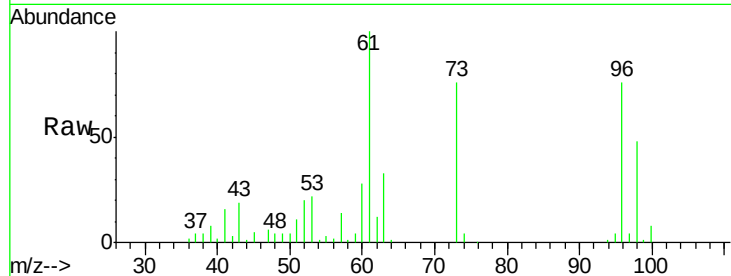
Tot Ion: 96 Resp: 342885

Ion Ratio Lower Upper

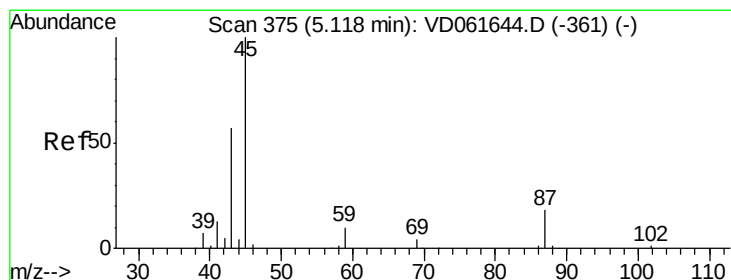
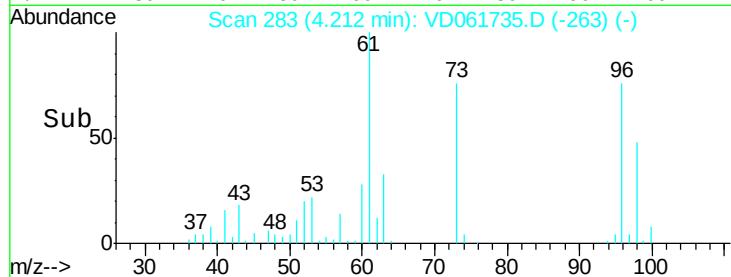
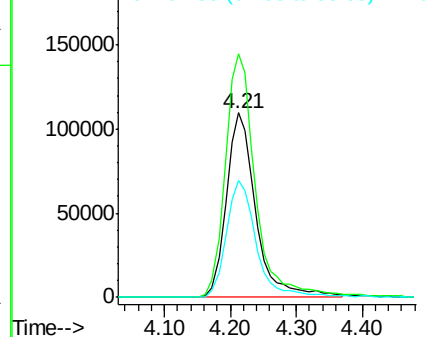
96 100

61 132.1 106.8 160.2

98 63.1 52.2 78.2



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



#22

Diisopropyl ether

Concen: 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

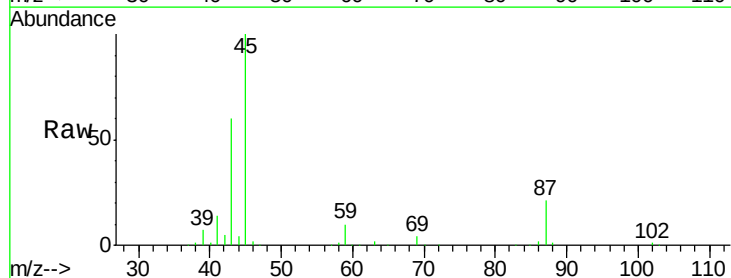
Ion Ratio Lower Upper

45 100

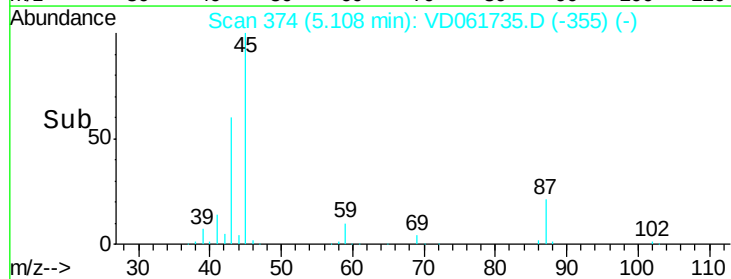
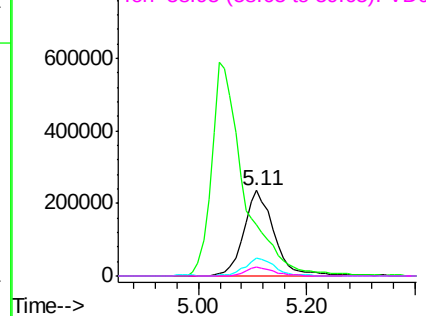
43 59.9 46.6 70.0

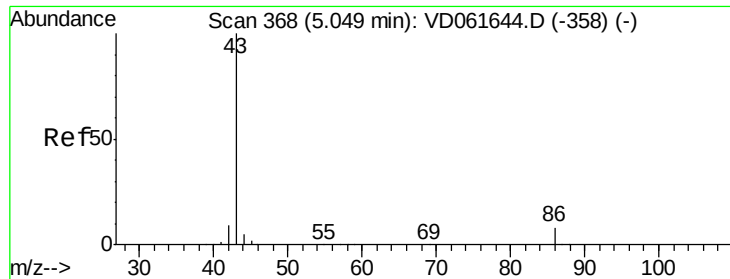
87 20.6 15.6 23.4

59 10.4 8.6 13.0



Abundance Ion 45.05 (44.75 to 45.75): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 87.00 (86.70 to 87.70): VDC
Ion 58.95 (58.65 to 59.65): VDC





#23

Vinyl Acetate

Concen: 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

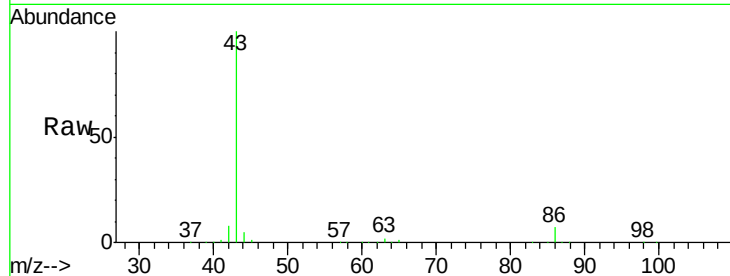
ClientSampleId :

Tot Ion: 43 Resp: 2395932

Ion Ratio Lower Upper

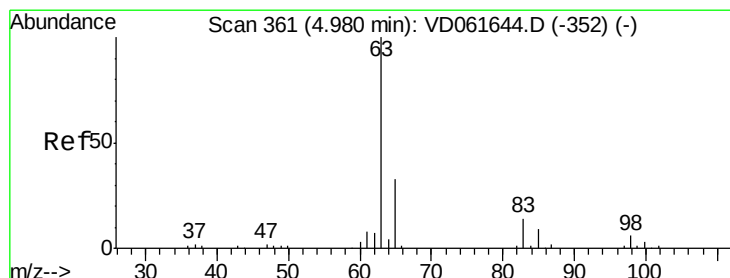
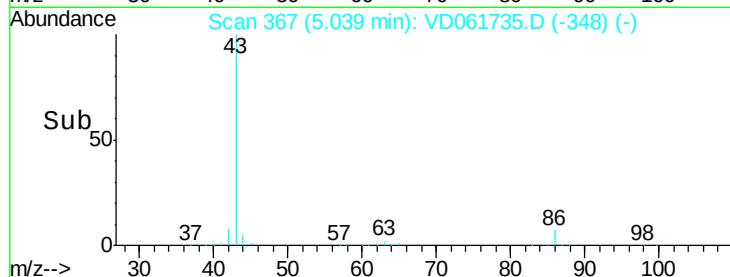
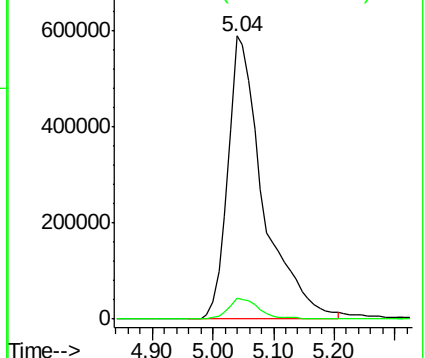
43 100

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



#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

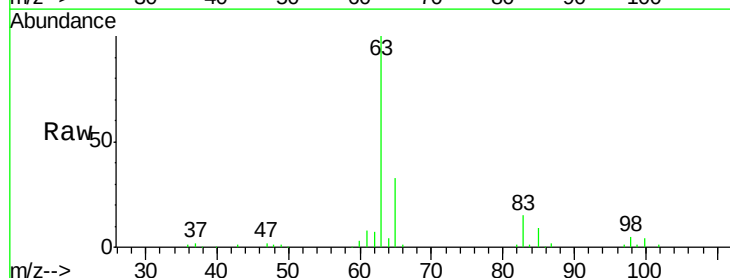
Tgt Ion: 63 Resp: 543527

Ion Ratio Lower Upper

63 100

98 5.1 2.9 8.6

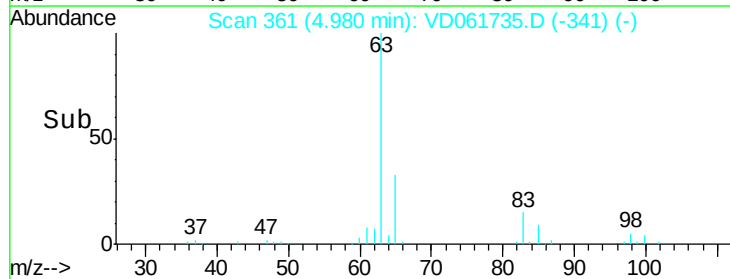
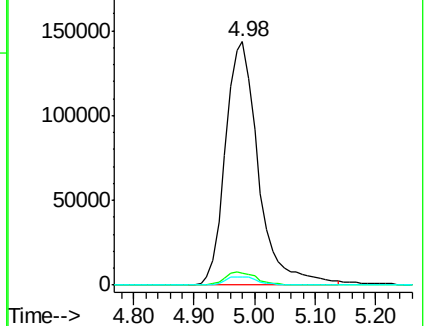
100 3.6 1.7 5.1

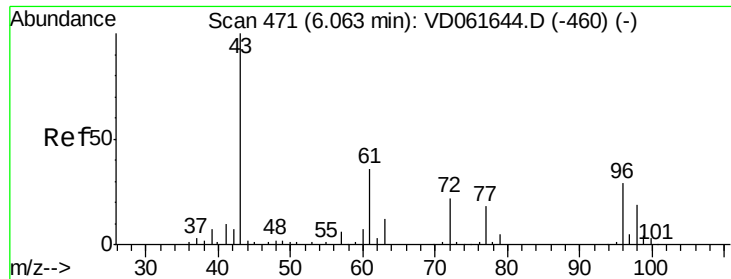


Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC





#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

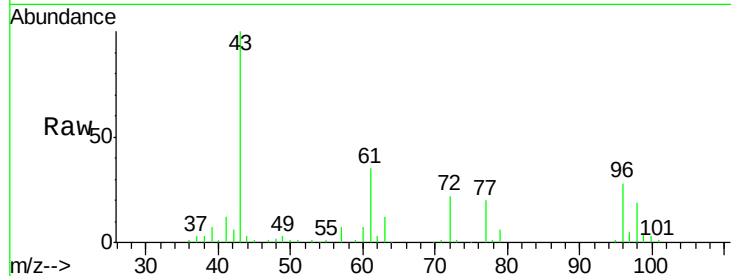
ClientSampled :

Tot Ion: 43 Resp: 410334

Ion Ratio Lower Upper

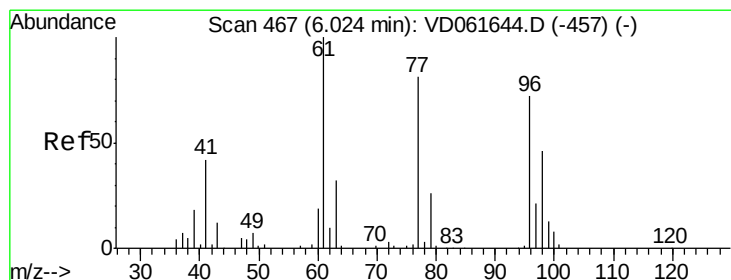
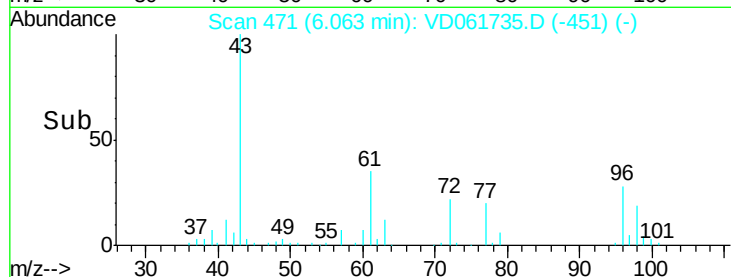
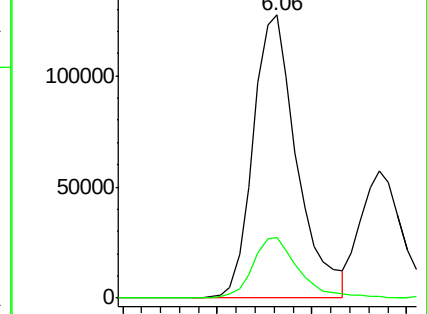
43 100

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



#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

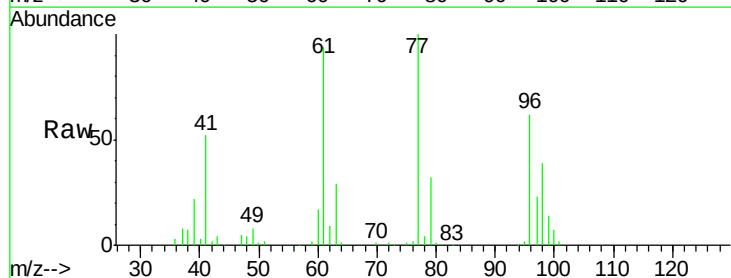
Acq: 11 Apr 2019 12:10

Tgt Ion: 77 Resp: 489709

Ion Ratio Lower Upper

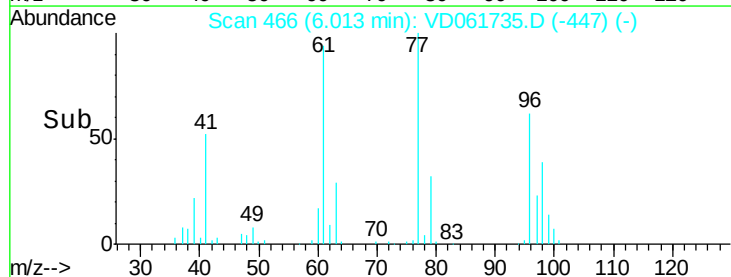
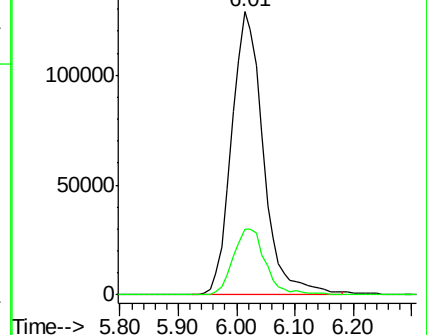
77 100

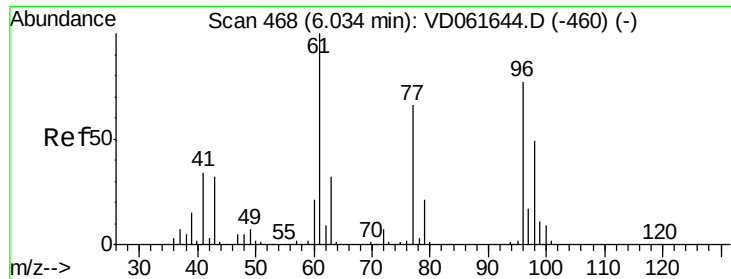
97 23.4 12.7 38.0



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



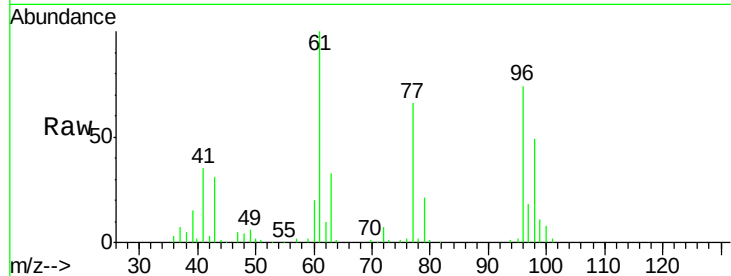


#27

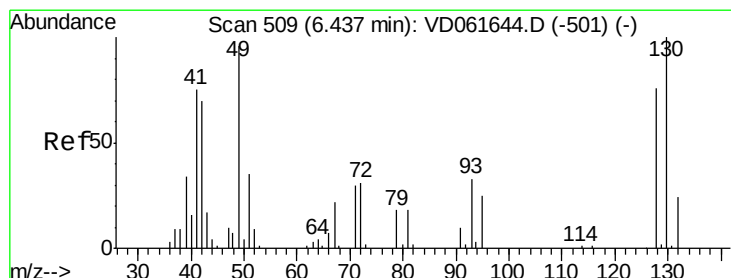
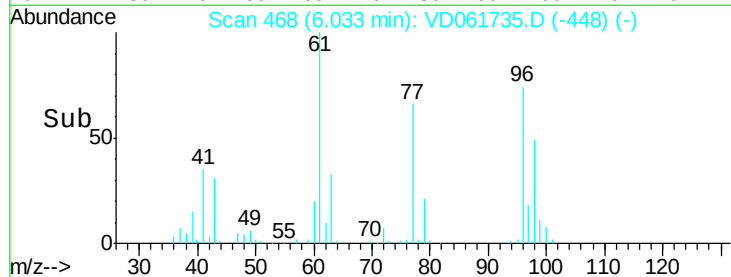
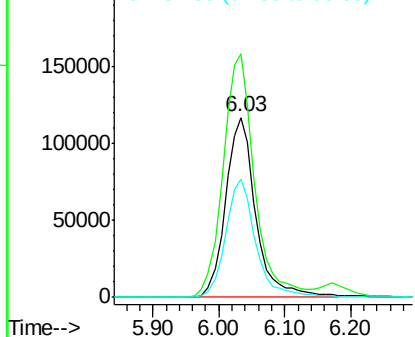
cis-1,2-Dichloroethene
Concen: 47.858 ug/l
RT: 6.03 min Scan# 468
Delta R.T. -0.00 min
Lab File: VD061735.D
Acq: 11 Apr 2019 12:10

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



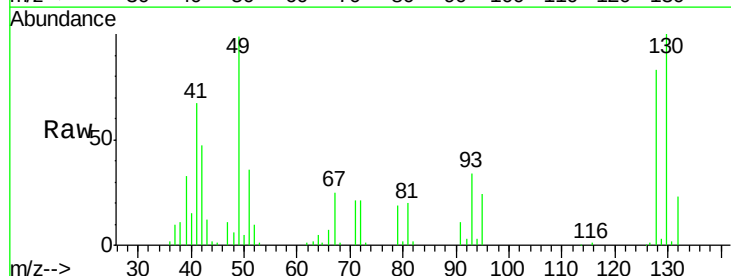
Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 97.85 (97.55 to 98.55): VDC



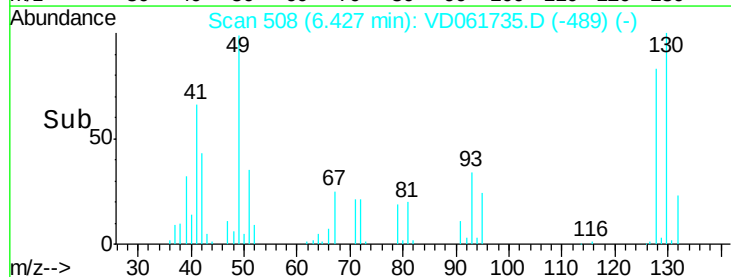
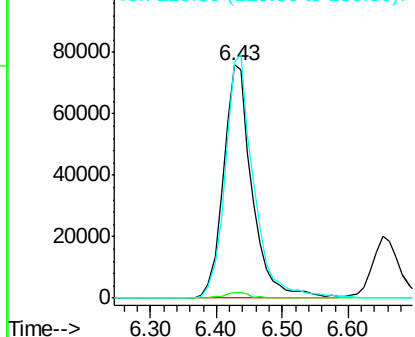
#28

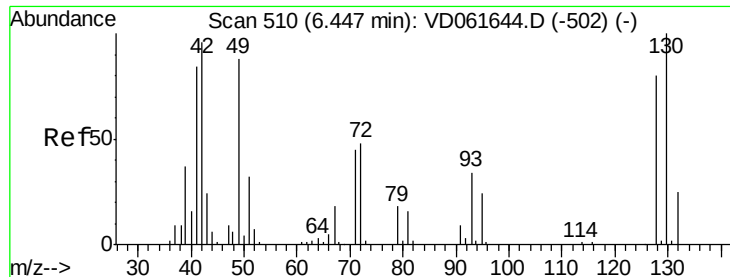
Bromochloromethane
Concen: 52.897 ug/l
RT: 6.43 min Scan# 508
Delta R.T. -0.01 min
Lab File: VD061735.D
Acq: 11 Apr 2019 12:10

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): V
Ion 129.80 (129.50 to 130.50): V

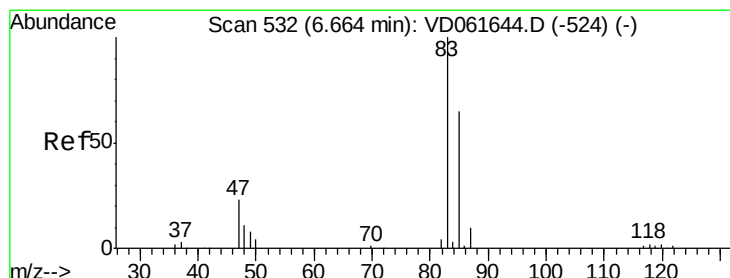
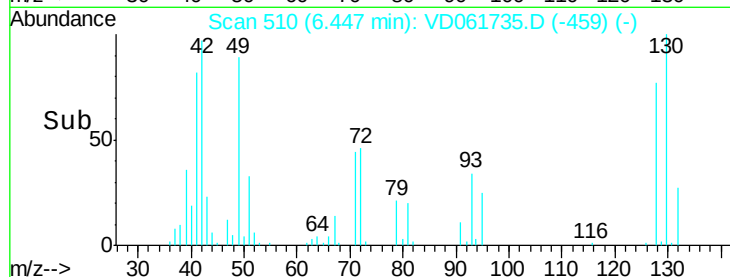
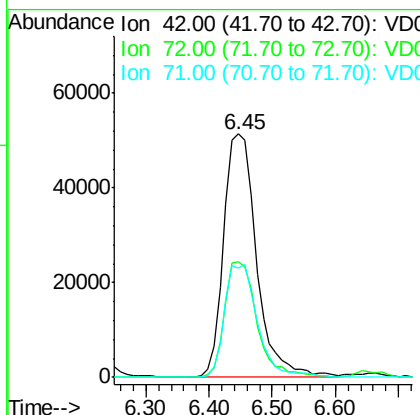
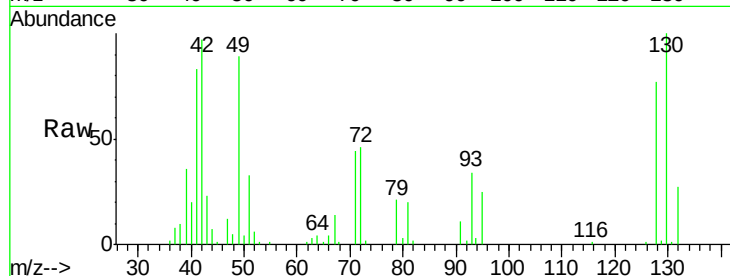




#29
Tetrahydrofuran
Concen: 229.001 ug/l
RT: 6.45 min Scan# 510
Delta R.T. -0.00 min
Lab File: VD061735.D
Acq: 11 Apr 2019 12:10

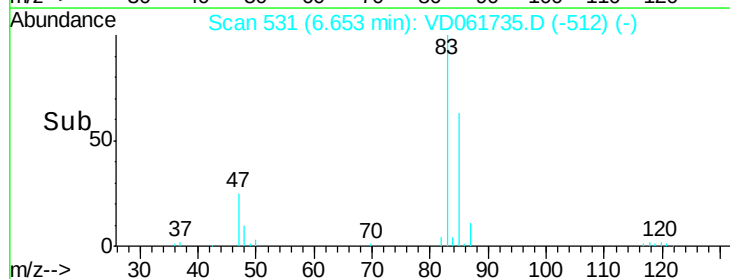
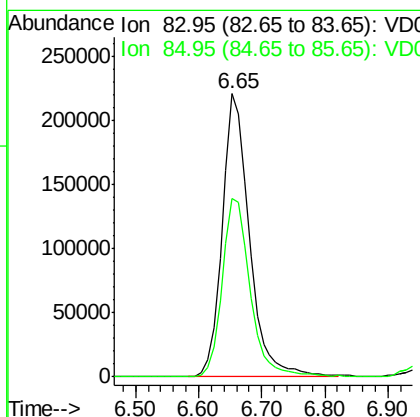
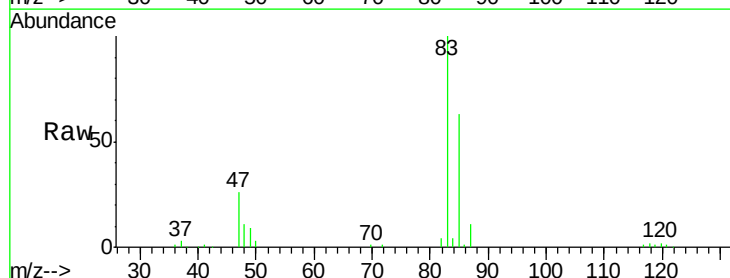
Instrument :
MSVOA_D
ClientSampleId :

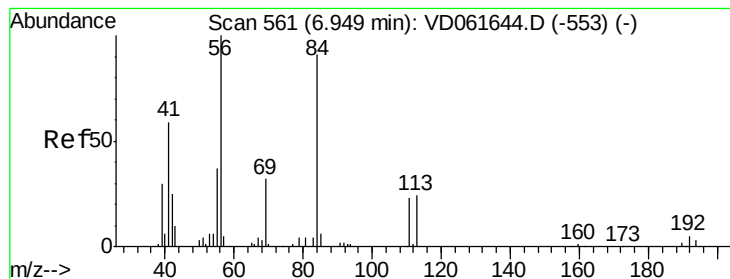
Tot Ion	Ratio	Lower	Upper
42	100		
72	46.6	37.0	55.6
71	46.5	36.5	54.7



#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	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 :

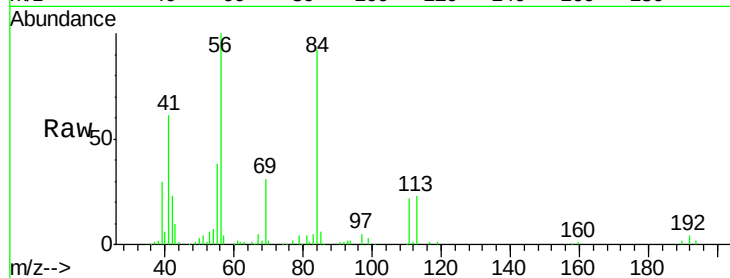
Tot Ion: 56 Resp: 439844

Ion Ratio Lower Upper

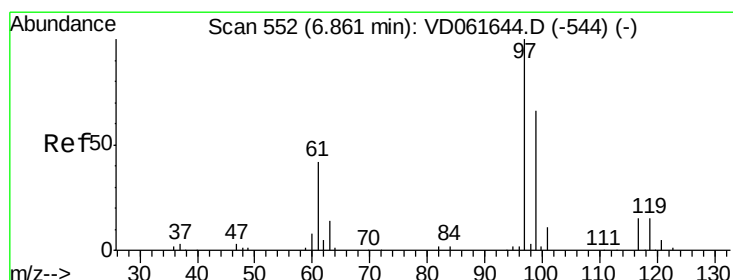
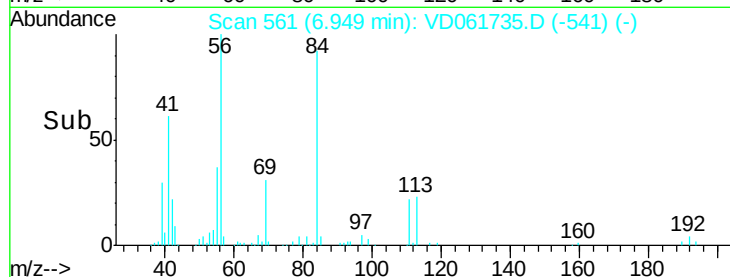
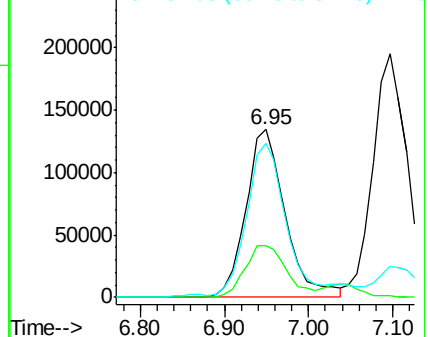
56 100

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

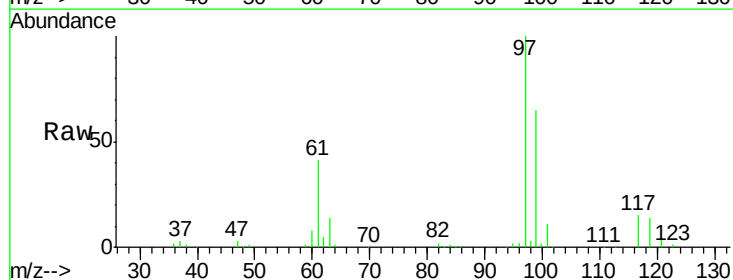
Tgt Ion: 97 Resp: 549945

Ion Ratio Lower Upper

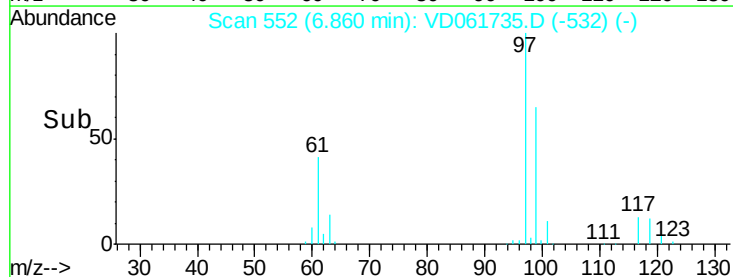
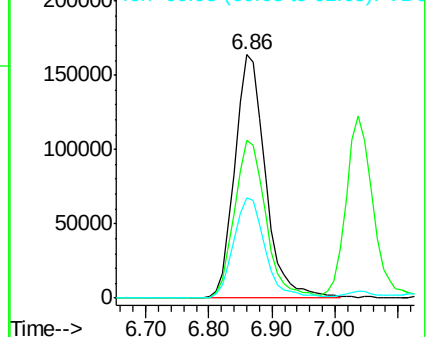
97 100

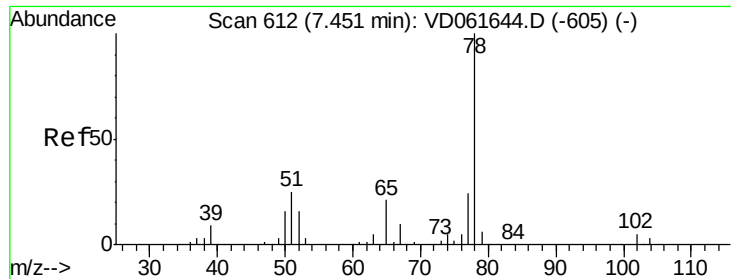
99 65.0 52.5 78.7

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

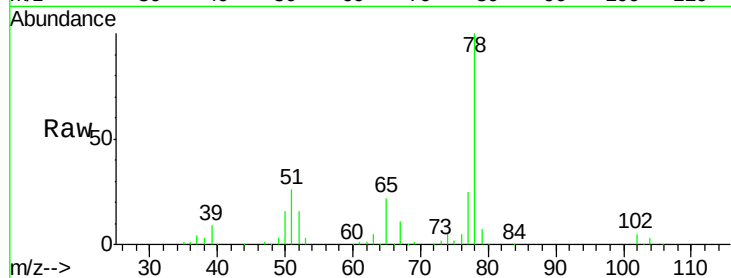




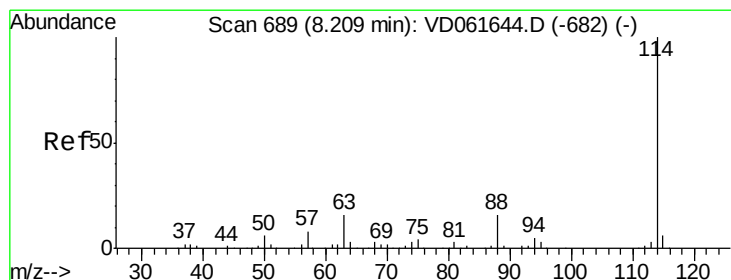
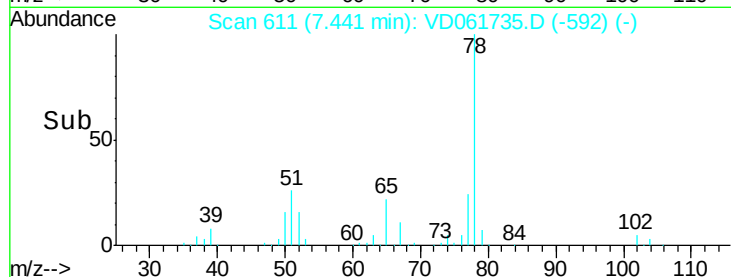
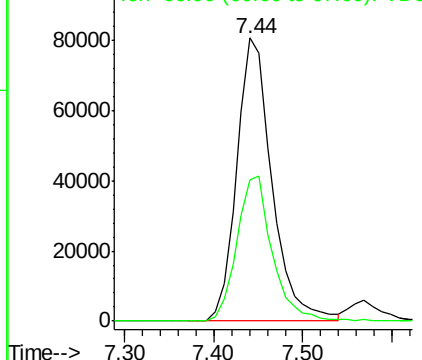
#33
 1,2-Dichloroethane-d4
 Concen: 50.790 ug/l
 RT: 7.44 min Scan# 611
 Delta R.T. -0.01 min
 Lab File: VD061735.D
 Acq: 11 Apr 2019 12:10

Instrument :
 MSVOA_D
 ClientSampleId :

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

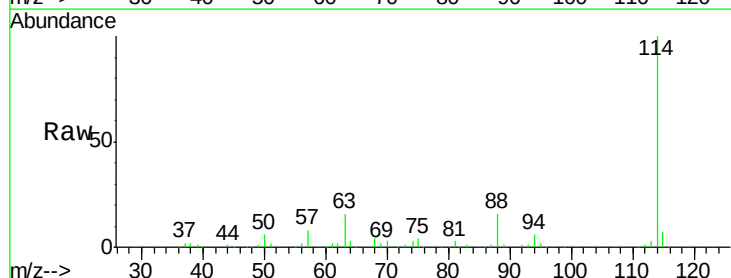


Abundance Ion 64.95 (64.65 to 65.65): VDC
 Ion 66.90 (66.60 to 67.60): VDC

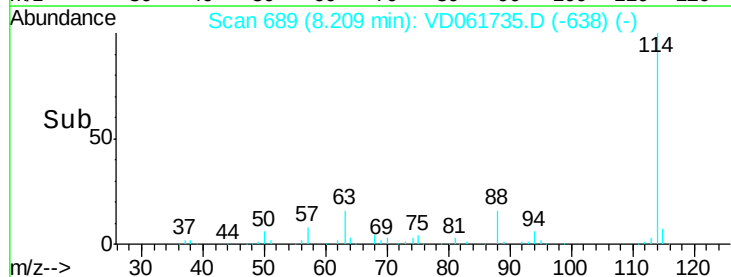
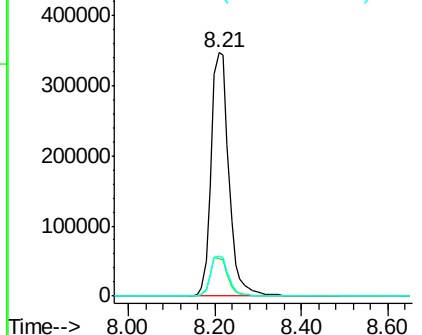


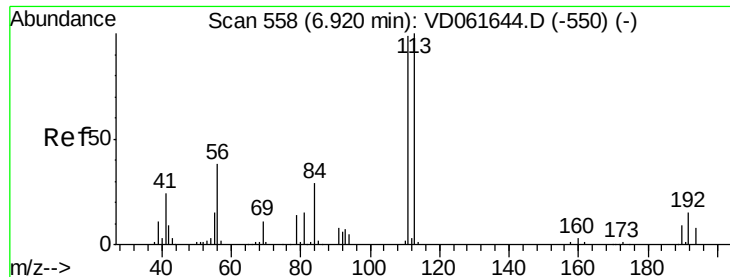
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.21 min Scan# 689
 Delta R.T. -0.00 min
 Lab File: VD061735.D
 Acq: 11 Apr 2019 12:10

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

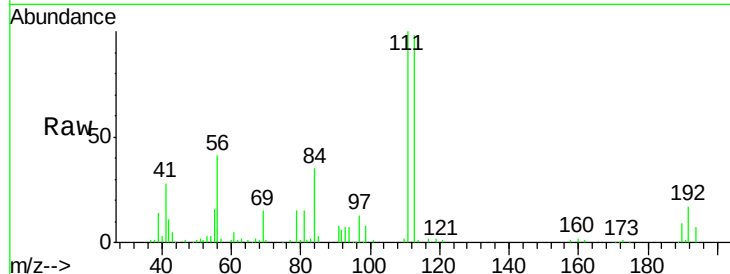




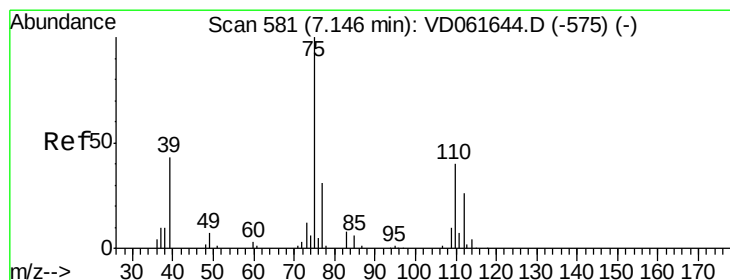
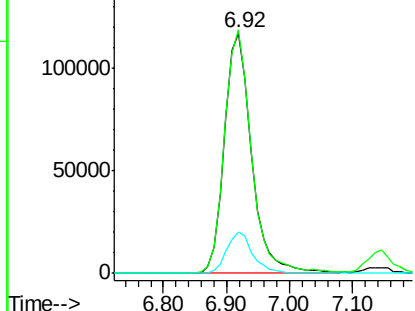
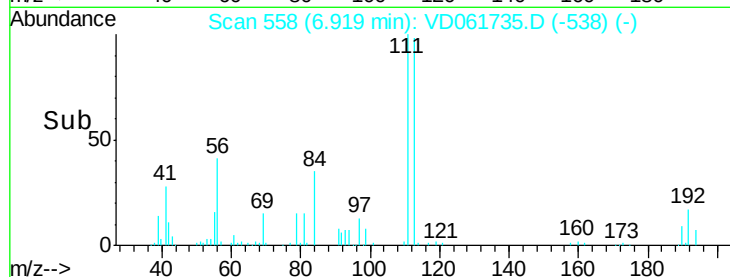
#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 6.92 min Scan# 558
 Delta R.T. -0.00 min
 Lab File: VD061735.D
 Acq: 11 Apr 2019 12:10

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

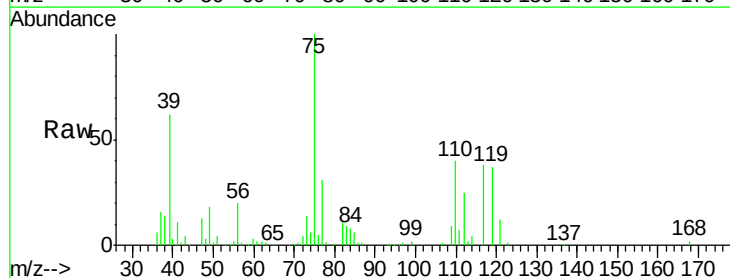


Abundance Ion 112.90 (112.60 to 113.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 191.80 (191.50 to 192.50): V

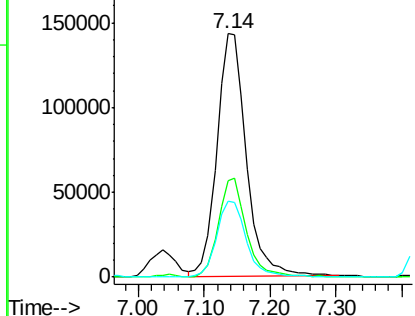
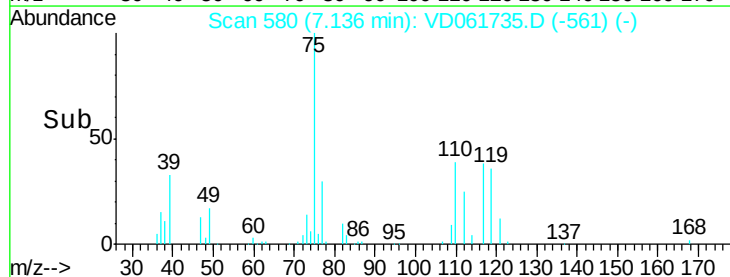


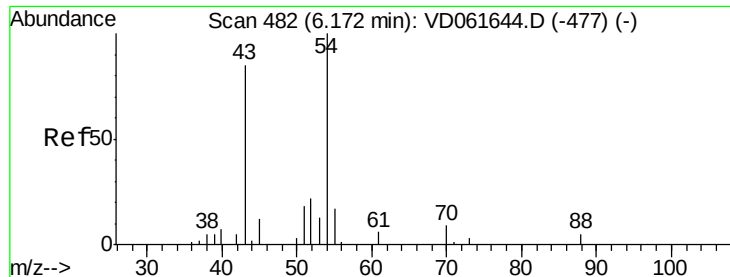
#36
 1,1-Dichloropropene
 Concen: 51.057 ug/l
 RT: 7.14 min Scan# 580
 Delta R.T. -0.01 min
 Lab File: VD061735.D
 Acq: 11 Apr 2019 12:10

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

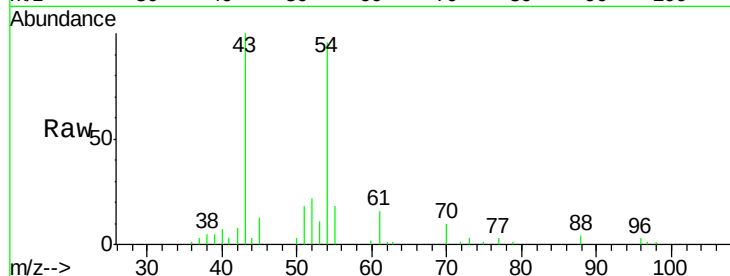




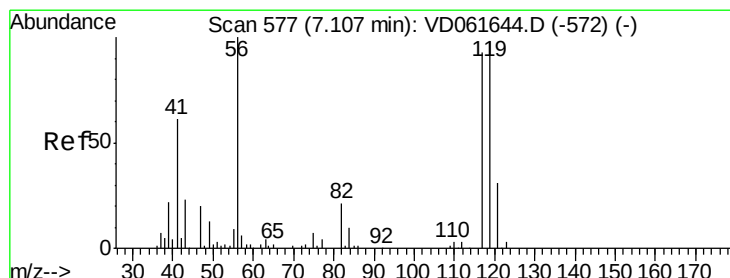
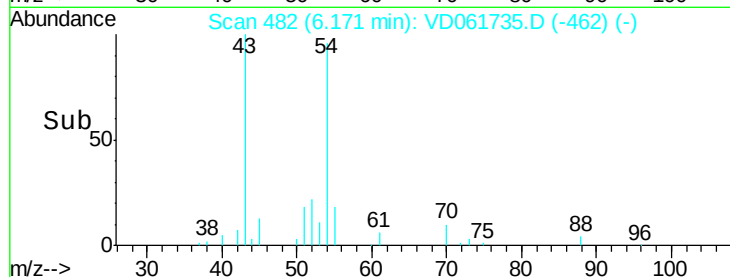
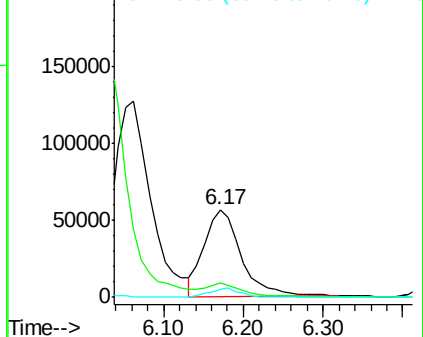
#37
Ethyl Acetate
Concen: 51.607 ug/l
RT: 6.17 min Scan# 482
Delta R.T. -0.00 min
Lab File: VD061735.D
Acq: 11 Apr 2019 12:10

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

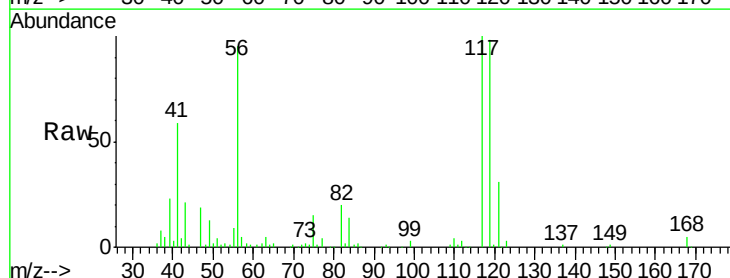


Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 70.00 (69.70 to 70.70): VDC

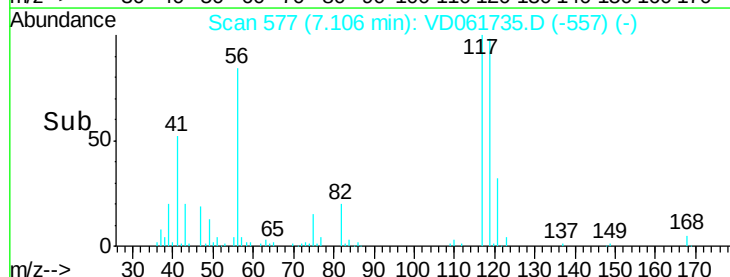
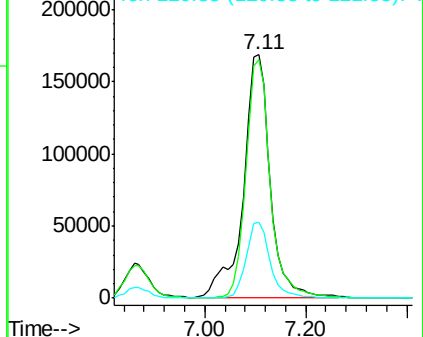


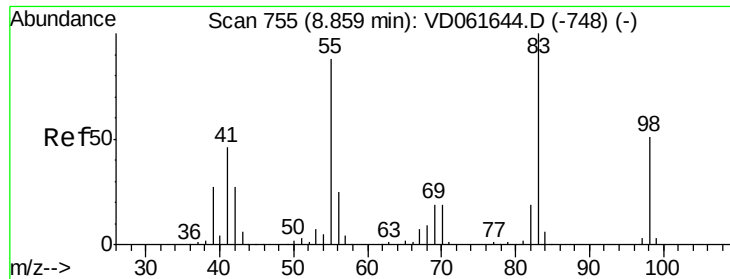
#38
Carbon Tetrachloride
Concen: 61.257 ug/l
RT: 7.11 min Scan# 577
Delta R.T. -0.00 min
Lab File: VD061735.D
Acq: 11 Apr 2019 12:10

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

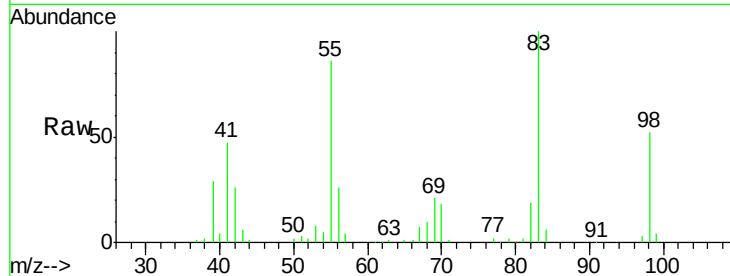




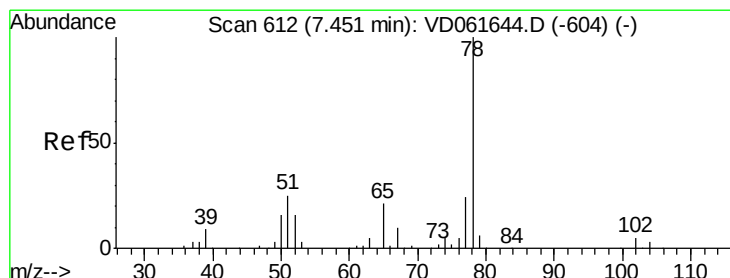
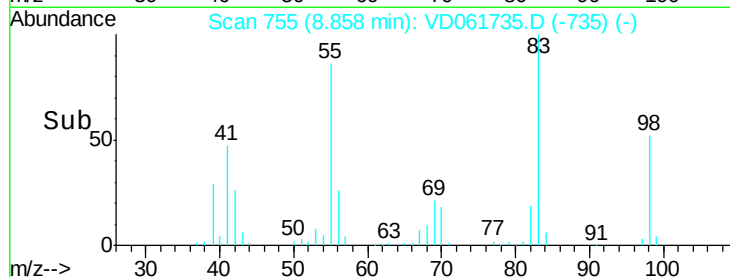
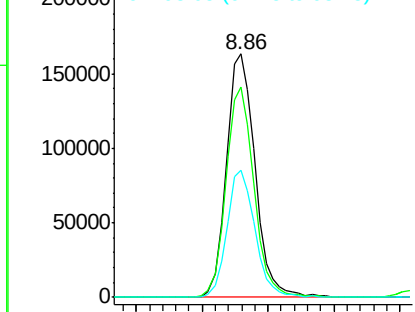
#39
Methylvlcyclohexane
Concen: 55.707 ug/l
RT: 8.86 min Scan# 755
Delta R.T. -0.00 min
Lab File: VD061735.D
Acq: 11 Apr 2019 12:10

Instrument :
MSVOA_D
ClientSampled :

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

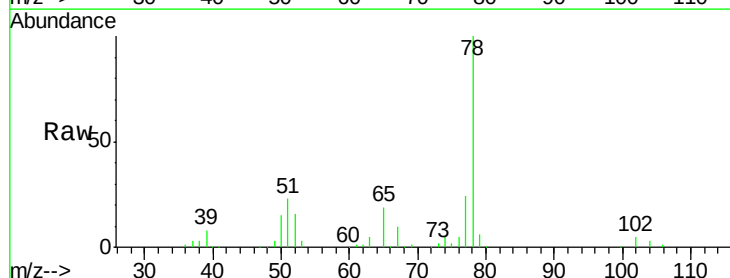


Abundance Ion 83.05 (82.75 to 83.75): VDC
Ion 55.00 (54.70 to 55.70): VDC
Ion 98.05 (97.75 to 98.75): VDC

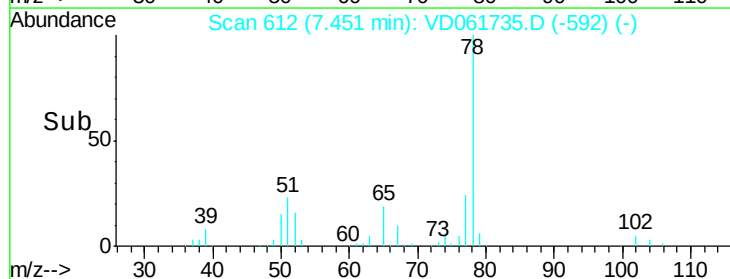
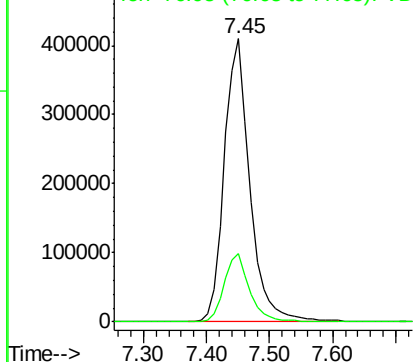


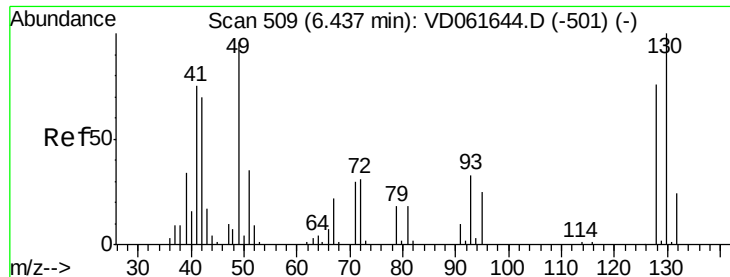
#40
Benzene
Concen: 54.817 ug/l
RT: 7.45 min Scan# 612
Delta R.T. -0.00 min
Lab File: VD061735.D
Acq: 11 Apr 2019 12:10

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

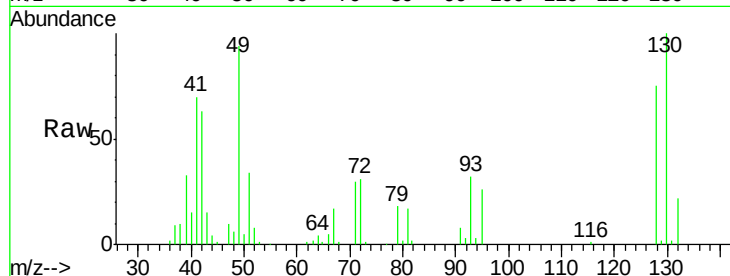




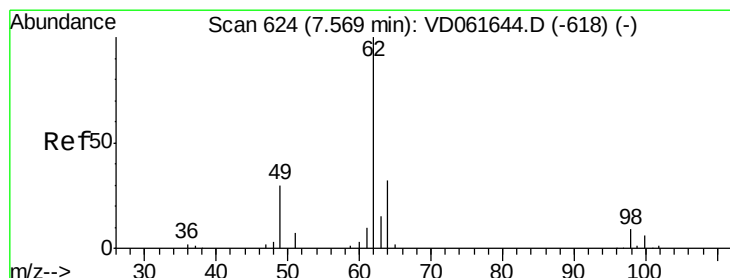
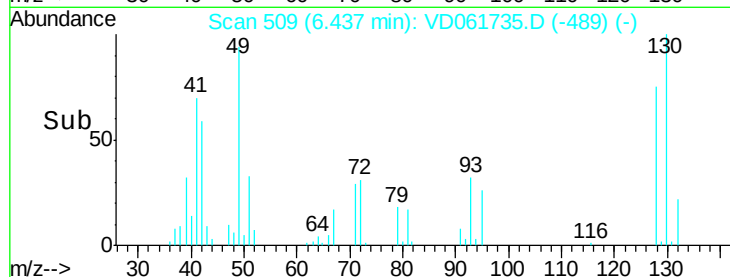
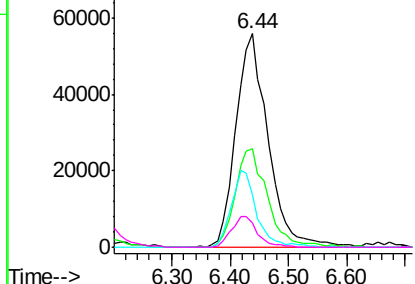
#41
Methacrylonitrile
Concen: 51.722 ug/l
RT: 6.44 min Scan# 509
Delta R.T. -0.00 min
Lab File: VD061735.D
Acq: 11 Apr 2019 12:10

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

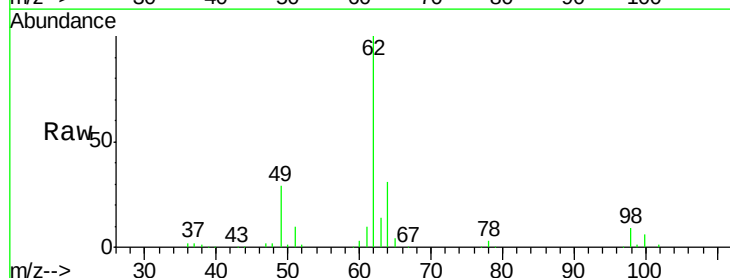


Abundance Ion 40.95 (40.65 to 41.65): VDC
Ion 38.95 (38.65 to 39.65): VDC
Ion 67.00 (66.70 to 67.70): VDC
Ion 52.00 (51.70 to 52.70): VDC

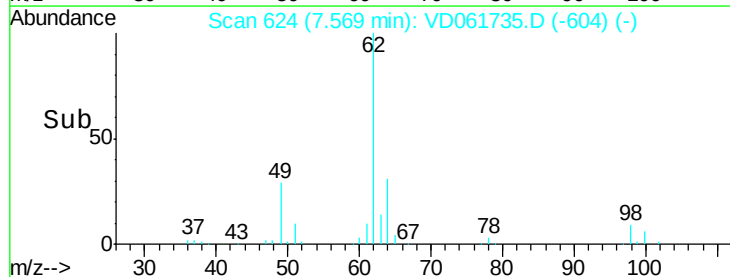
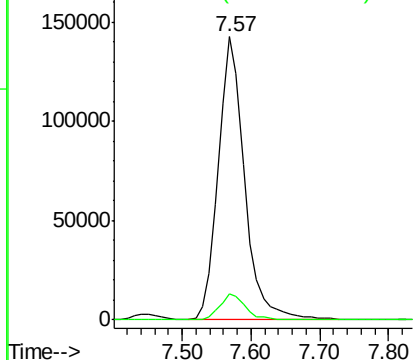


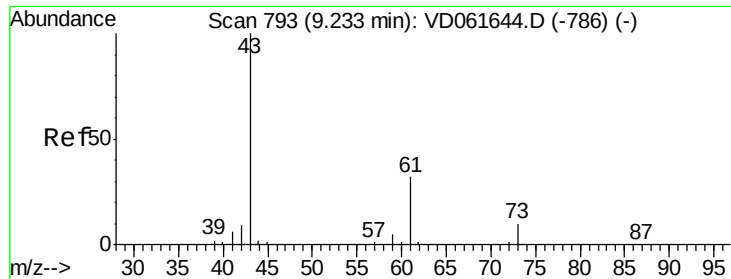
#42
1,2-Dichloroethane
Concen: 57.445 ug/l
RT: 7.57 min Scan# 624
Delta R.T. -0.00 min
Lab File: VD061735.D
Acq: 11 Apr 2019 12:10

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



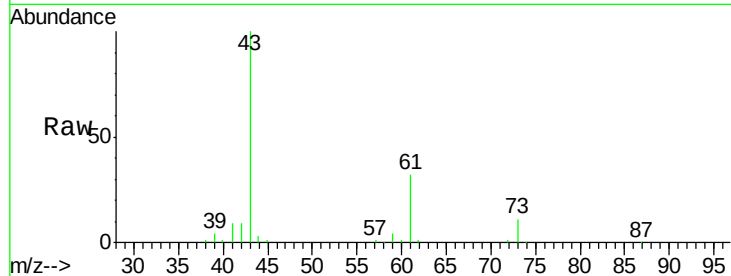


#43

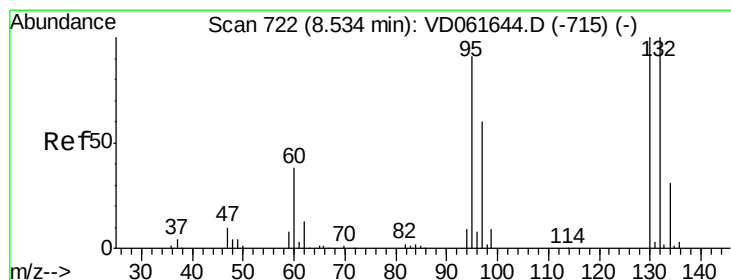
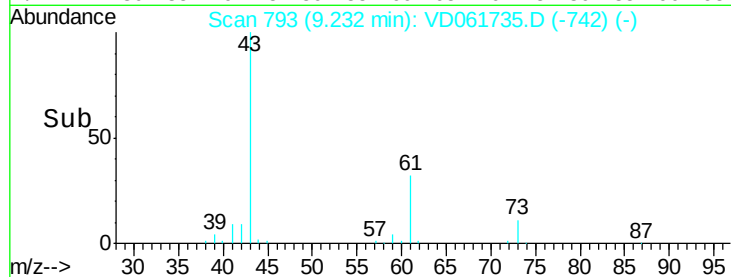
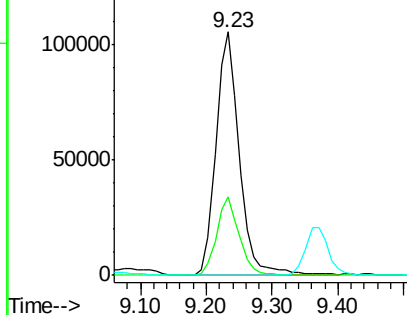
Isopropyl Acetate
 Concen: 50.318 ug/l
 RT: 9.23 min Scan# 793
 Delta R.T. -0.00 min
 Lab File: VD061735.D
 Acq: 11 Apr 2019 12:10

Instrument :
 MSVOA_D
 ClientSampled :

Tot Ion: 43 Resp: 258559
 Ion Ratio Lower Upper
 43 100
 61 32.0 25.9 38.9
 87 0.3 0.2 0.4



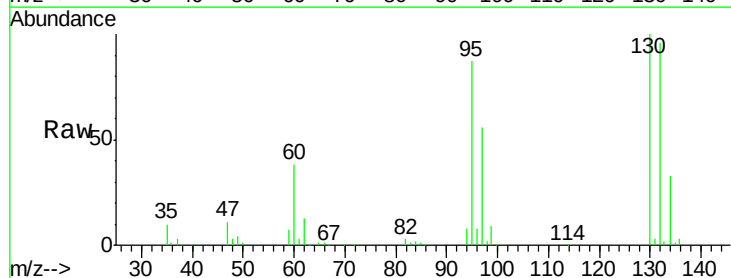
Abundance Ion 42.95 (42.65 to 43.65): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 87.00 (86.70 to 87.70): VDC



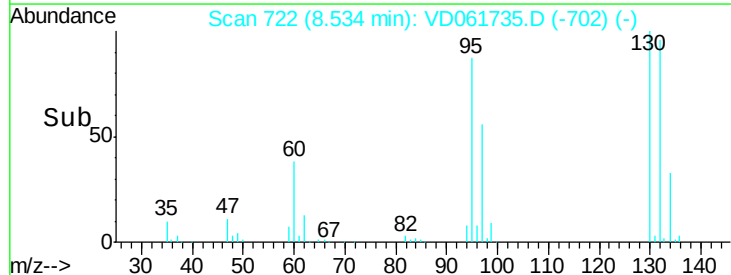
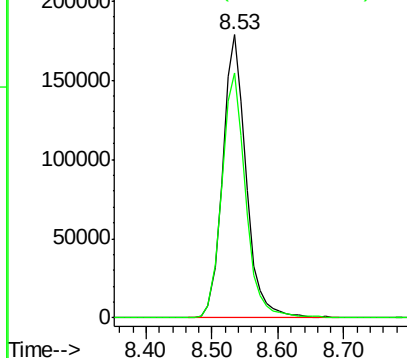
#44

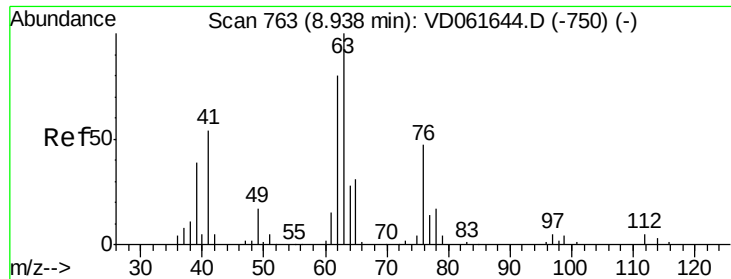
Trichloroethene
 Concen: 55.242 ug/l
 RT: 8.53 min Scan# 722
 Delta R.T. -0.00 min
 Lab File: VD061735.D
 Acq: 11 Apr 2019 12:10

Tgt Ion:130 Resp: 444116
 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

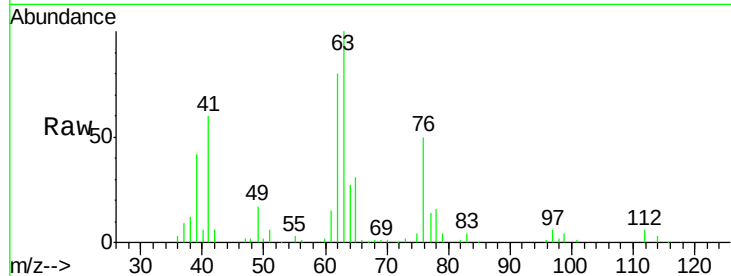
ClientSampleId :

Tot Ion: 63 Resp: 274951

Ion Ratio Lower Upper

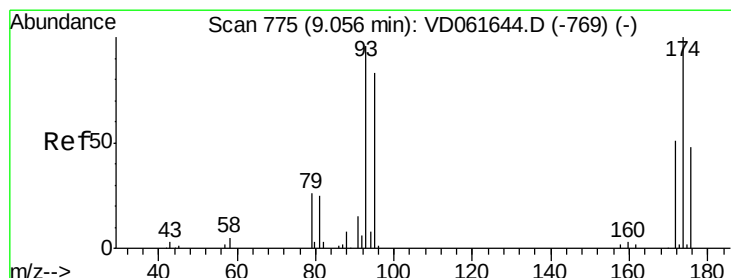
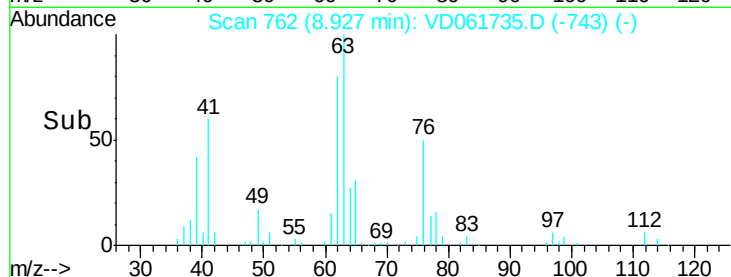
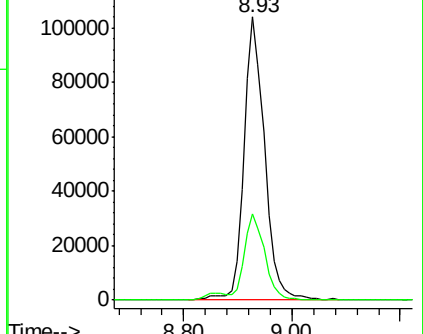
63 100

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



#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

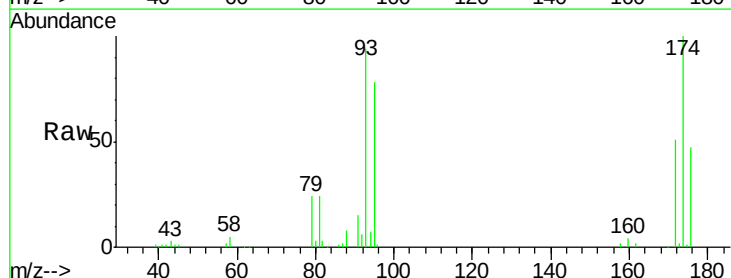
Tgt Ion: 93 Resp: 200366

Ion Ratio Lower Upper

93 100

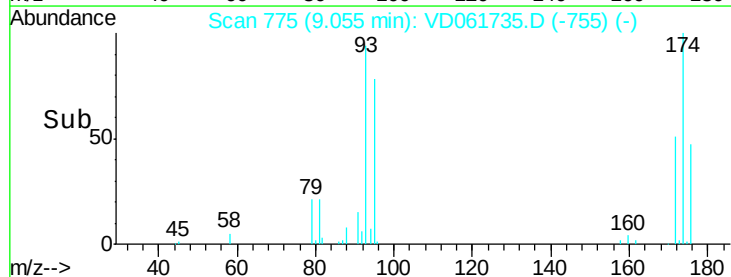
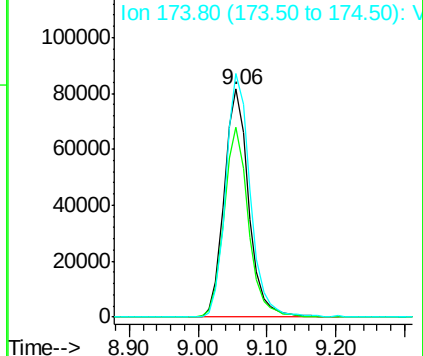
95 83.6 68.6 103.0

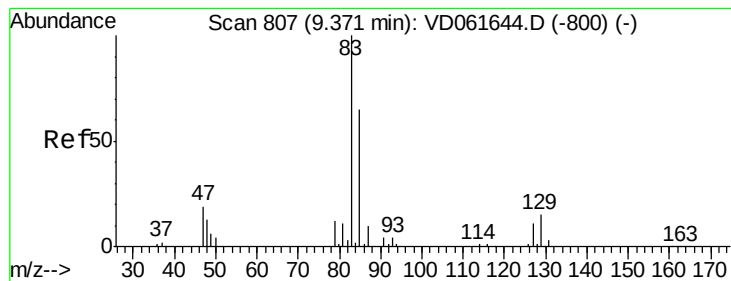
174 106.9 83.0 124.4



Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC





#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 :

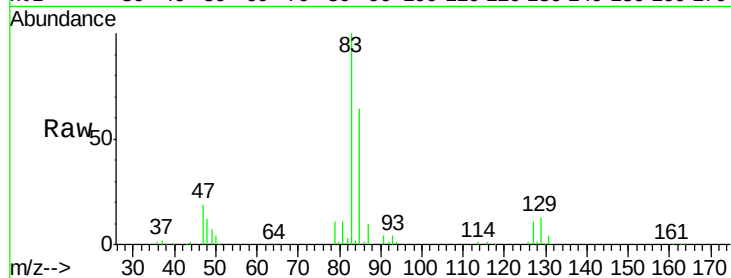
Tot Ion: 83 Resp: 476978

Ion Ratio Lower Upper

83 100

85 63.9 51.8 77.6

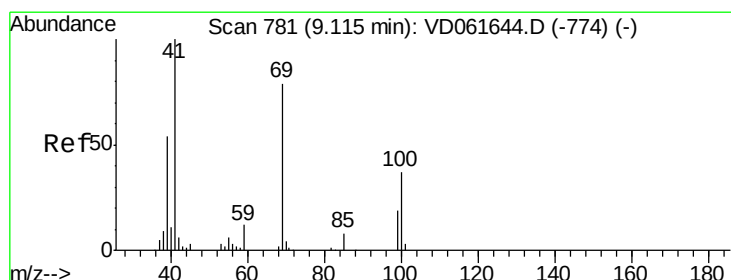
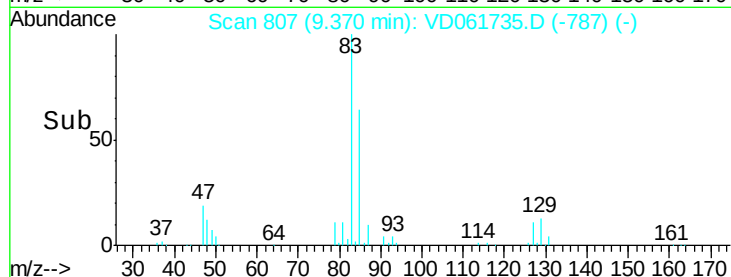
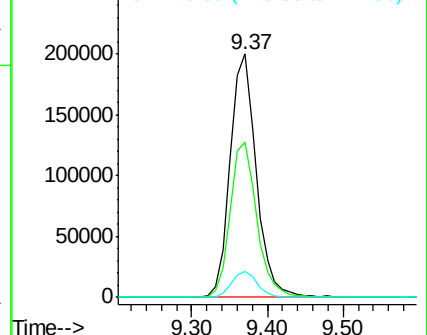
127 10.7 9.0 13.6



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

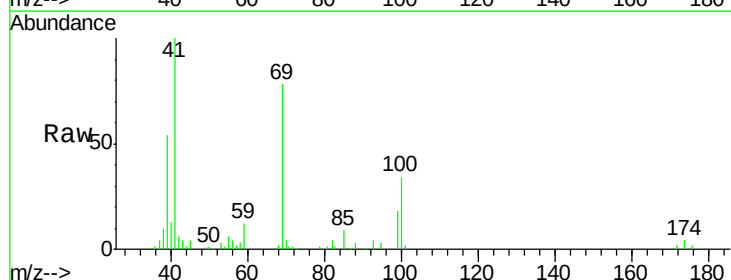
Tgt Ion: 41 Resp: 160589

Ion Ratio Lower Upper

41 100

69 77.7 63.1 94.7

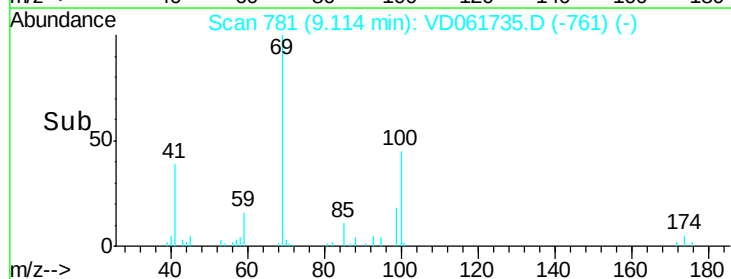
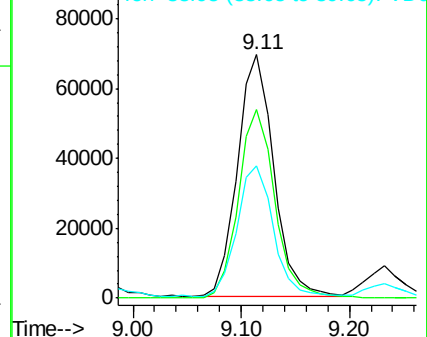
39 54.3 43.8 65.8

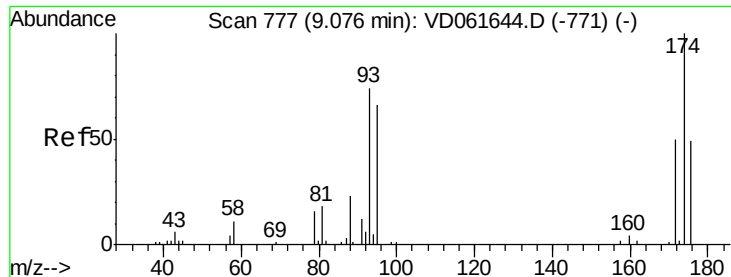


Abundance Ion 40.95 (40.65 to 41.65): VDC

Ion 69.00 (68.70 to 69.70): VDC

Ion 38.95 (38.65 to 39.65): VDC

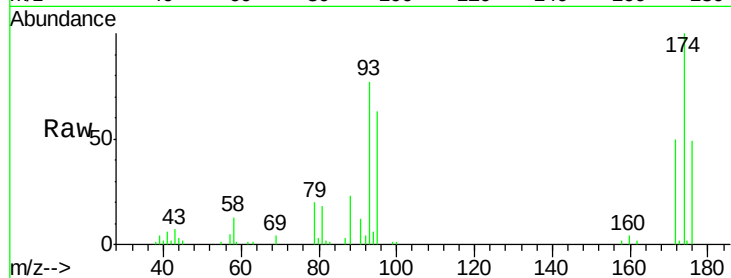




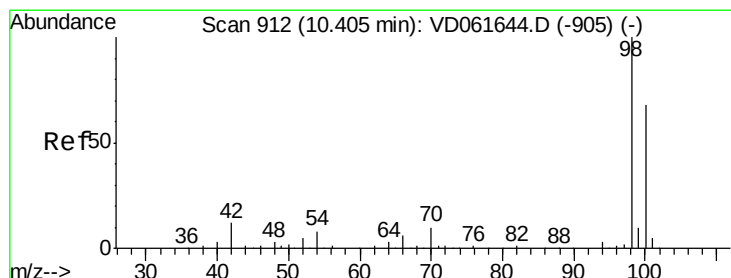
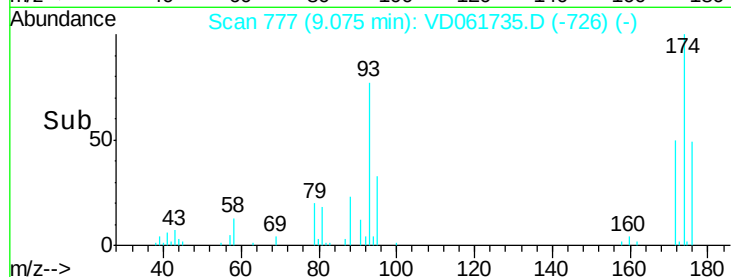
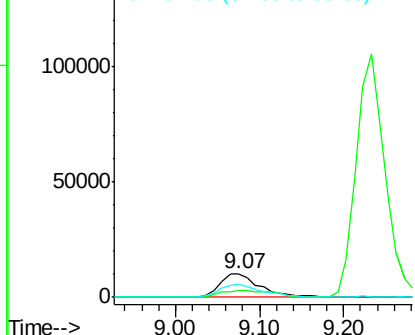
#49
 1,4-Dioxane
 Concen: 1036.671 ug/l
 RT: 9.07 min Scan# 777
 Delta R.T. 0.00 min
 Lab File: VD061735.D
 Acq: 11 Apr 2019 12:10

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

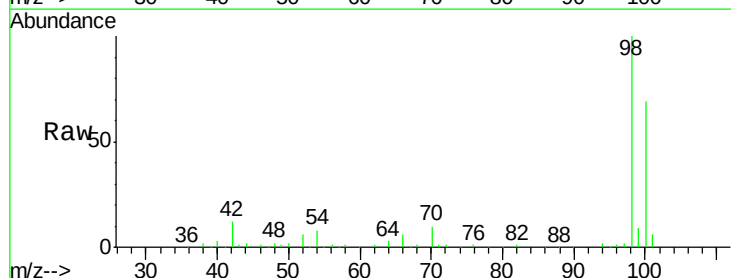


Abundance Ion 88.00 (87.70 to 88.70): VDC
 Ion 43.05 (42.75 to 43.75): VDC
 Ion 57.95 (57.65 to 58.65): VDC

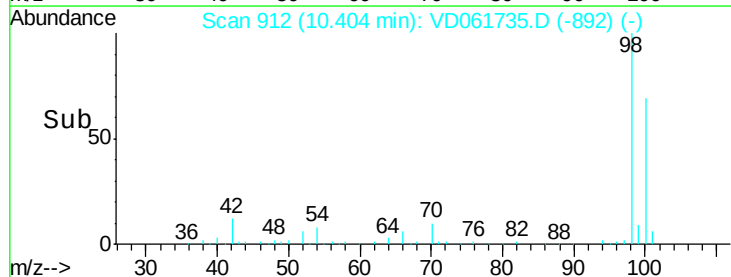
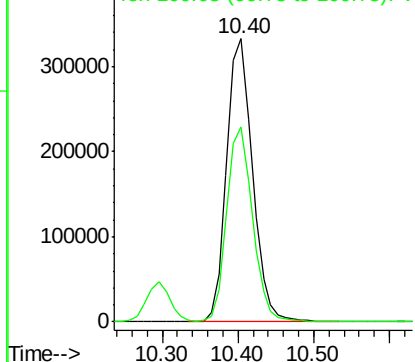


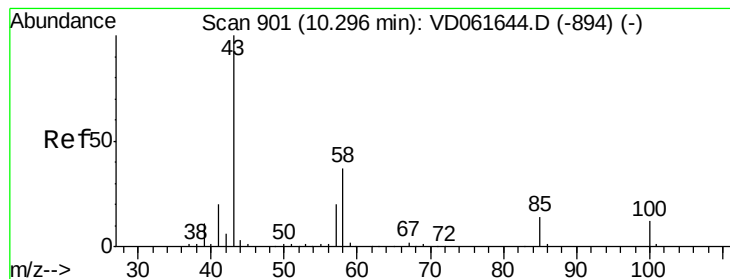
#50
 Toluene-d8
 Concen: 1036.671 ug/l
 RT: 10.40 min Scan# 912
 Delta R.T. -0.00 min
 Lab File: VD061735.D
 Acq: 11 Apr 2019 12:10

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

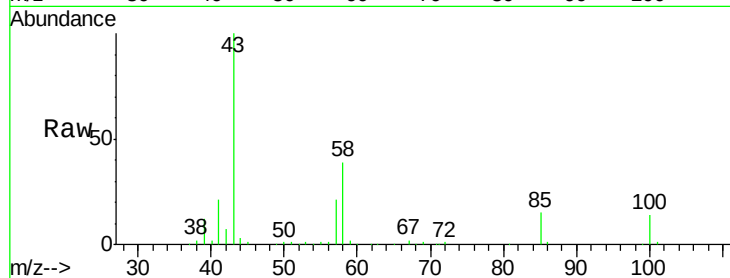
ClientSampleId :

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

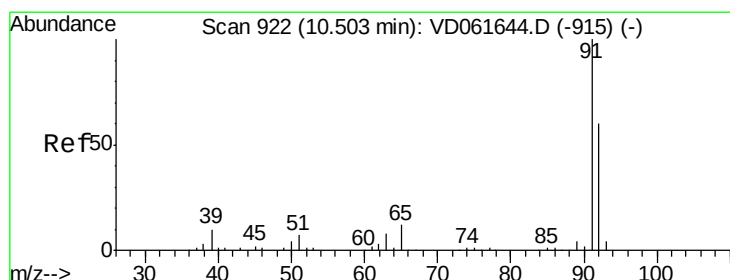
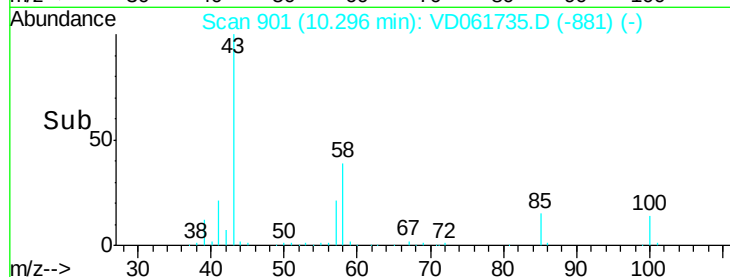
300000

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

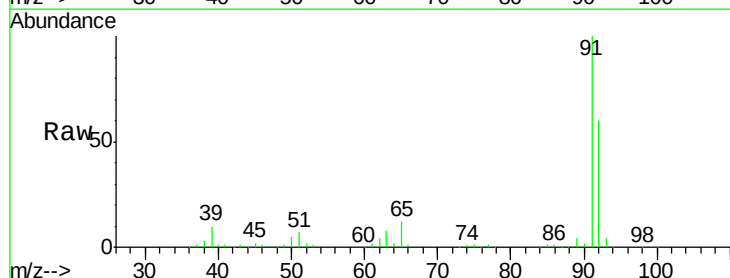
Acq: 11 Apr 2019 12:10

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

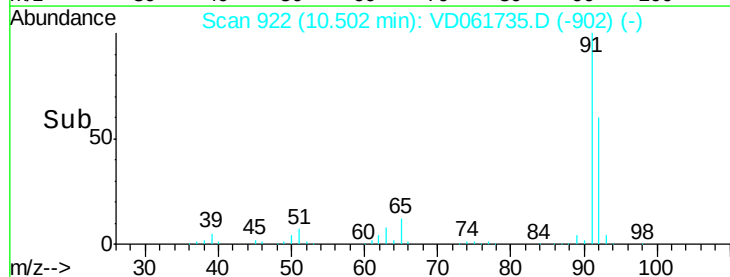
300000

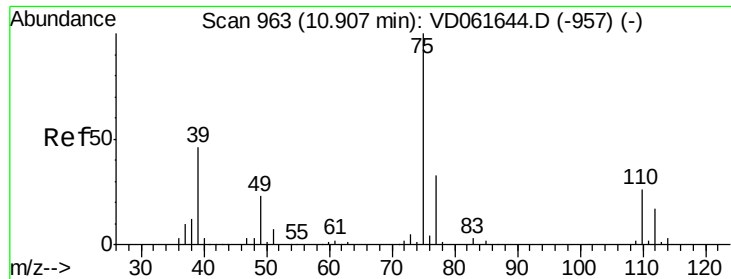
200000

100000

0

Time-->

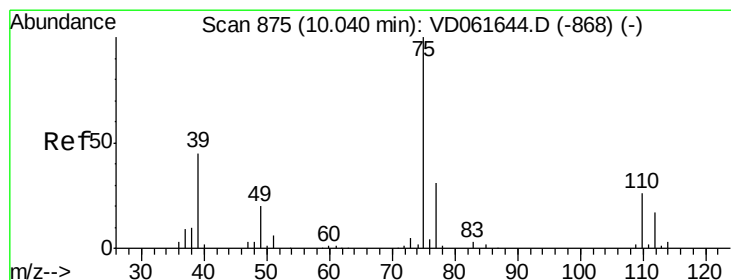
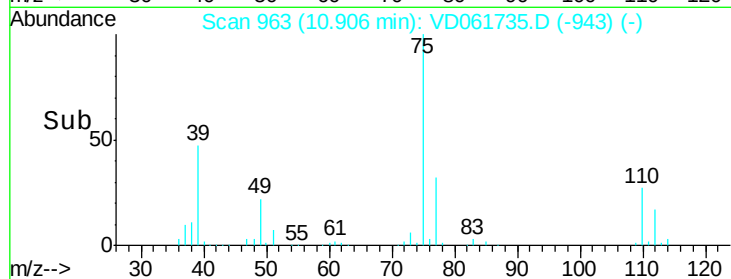
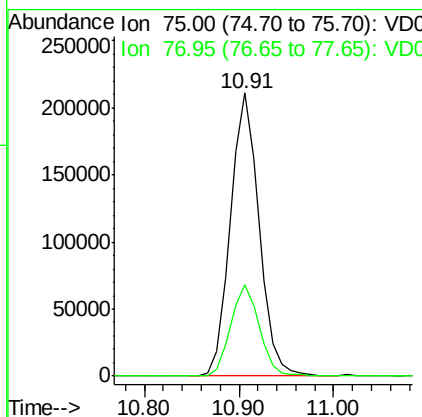
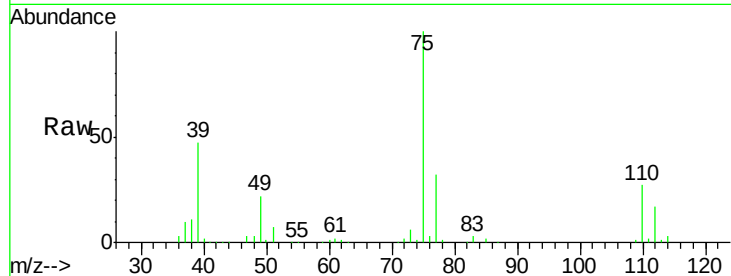




#53
 t-1,3-Dichloropropene
 Concen: 61.784 ug/l
 RT: 10.91 min Scan# 963
 Delta R.T. -0.00 min
 Lab File: VD061735.D
 Acq: 11 Apr 2019 12:10

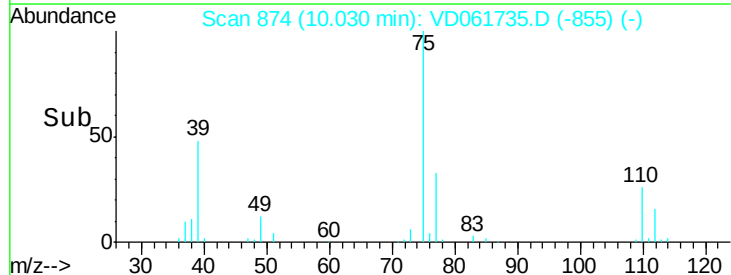
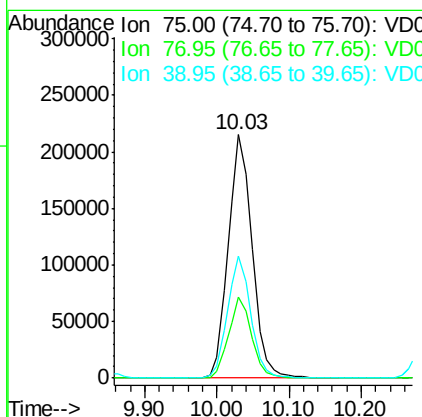
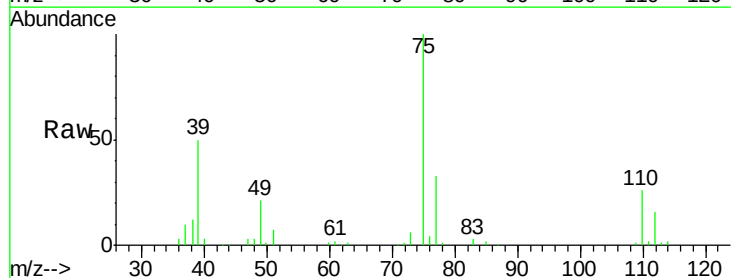
Instrument :
 MSVOA_D
 ClientSampleId :

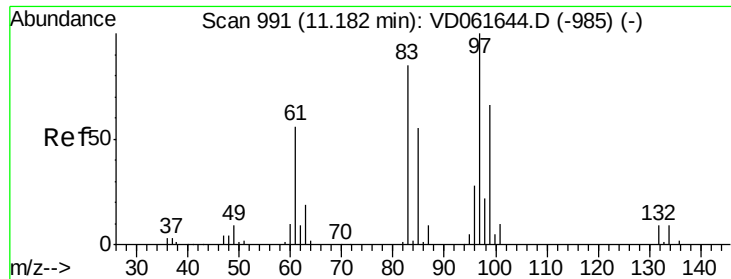
Tot Ion: 75 Resp: 442111
 Ion Ratio Lower Upper
 75 100
 77 32.3 26.2 39.2



#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

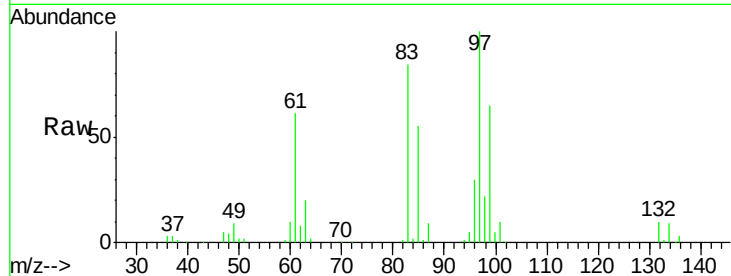
Ion Ratio Lower Upper

97 100

83 84.4 67.8 101.6

85 54.8 43.8 65.8

99 64.6 52.8 79.2

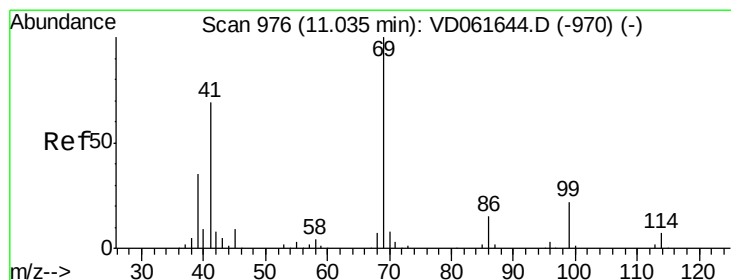
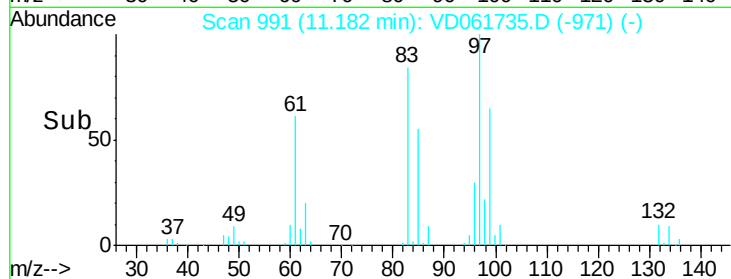
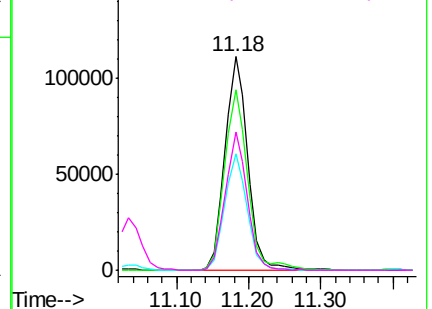


Abundance Ion 96.85 (96.55 to 97.55): VDC

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

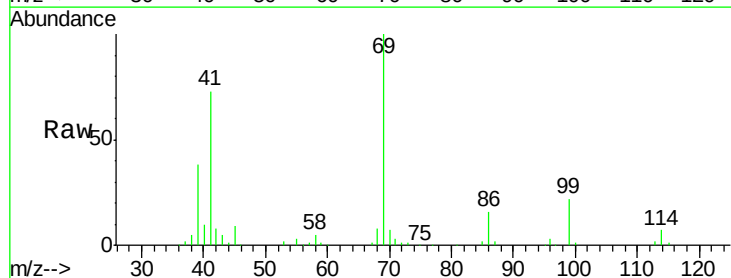
Tgt Ion: 69 Resp: 259707

Ion Ratio Lower Upper

69 100

41 73.1 55.2 82.8

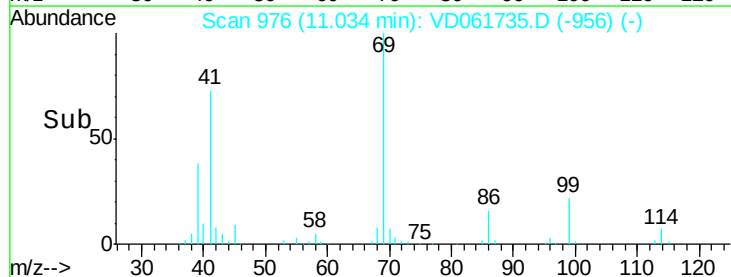
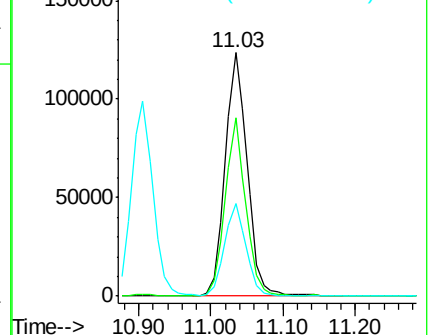
39 38.0 28.6 43.0

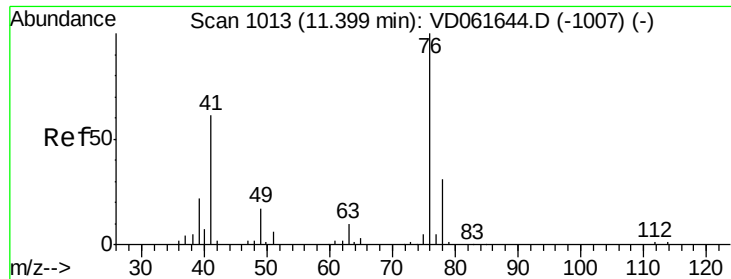


Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

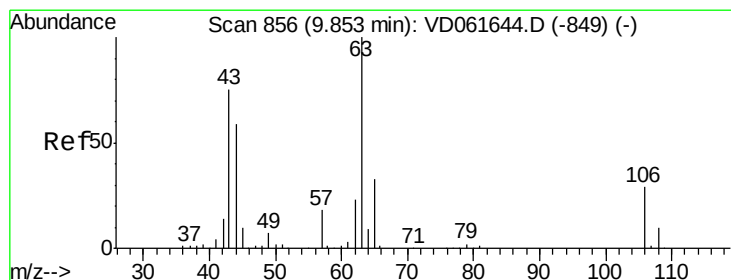
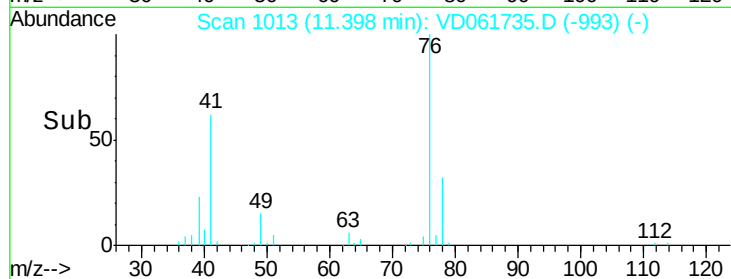
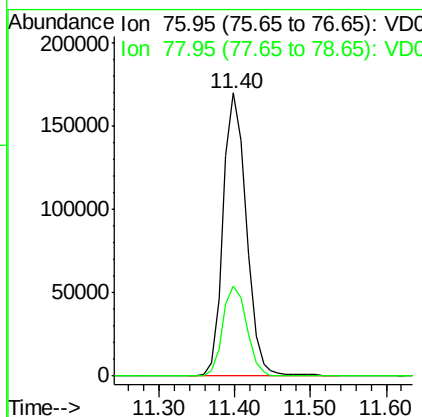
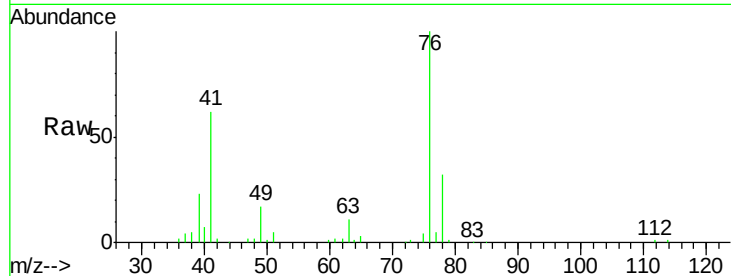




#57
 1,3-Dichloropropane
 Concen: 56.012 ug/l
 RT: 11.40 min Scan# 1013
 Delta R.T. -0.00 min
 Lab File: VD061735.D
 Acq: 11 Apr 2019 12:10

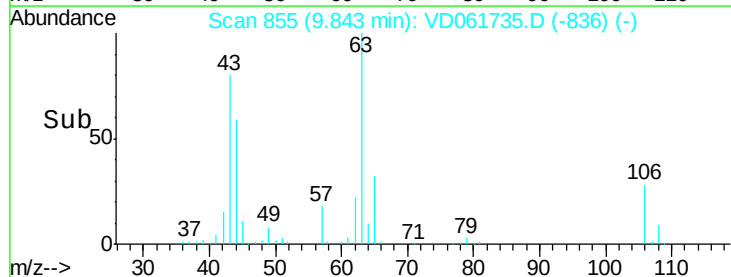
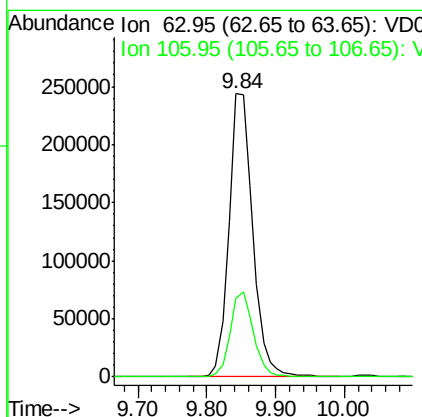
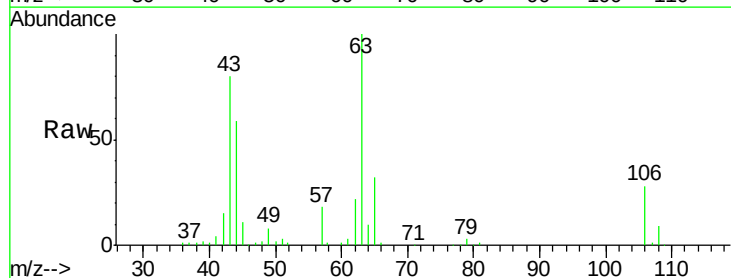
Instrument :
 MSVOA_D
 ClientSampleId :

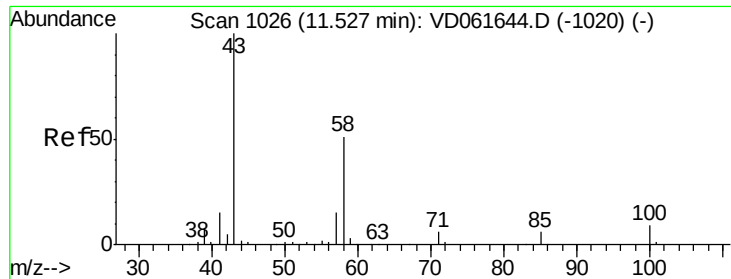
Tot Ion: 76 Resp: 362275
 Ion Ratio Lower Upper
 76 100
 78 31.6 24.5 36.7



#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

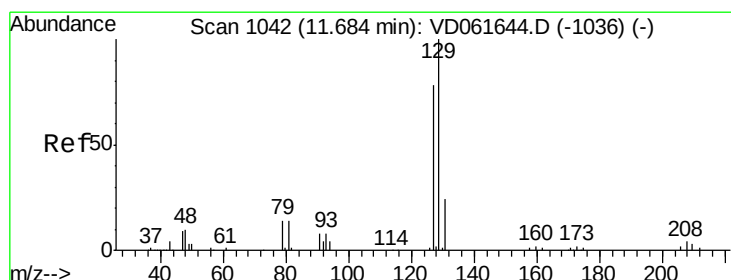
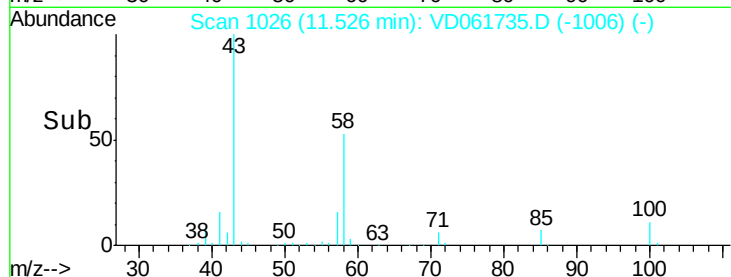
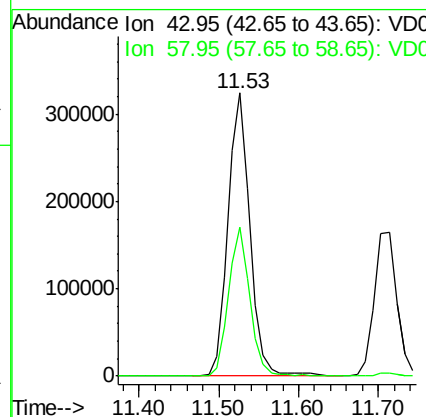
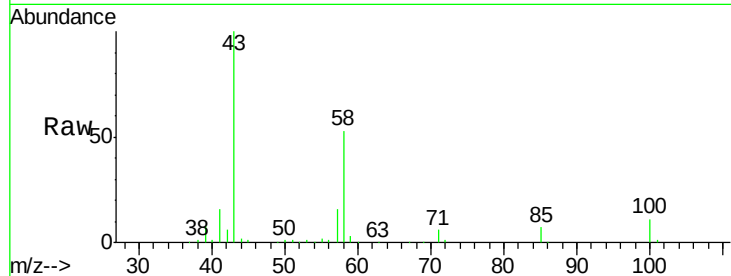




#59
2-Hexanone
Concen: 268.135 ug/l
RT: 11.53 min Scan# 1026
Delta R.T. -0.00 min
Lab File: VD061735.D
Acq: 11 Apr 2019 12:10

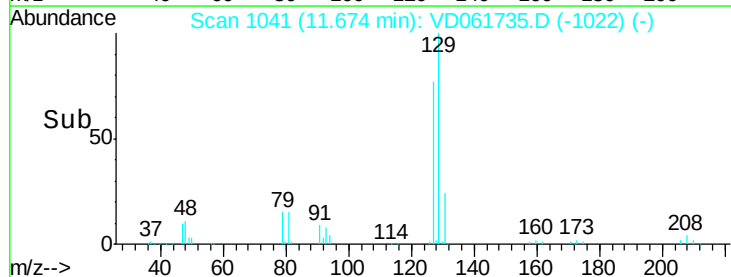
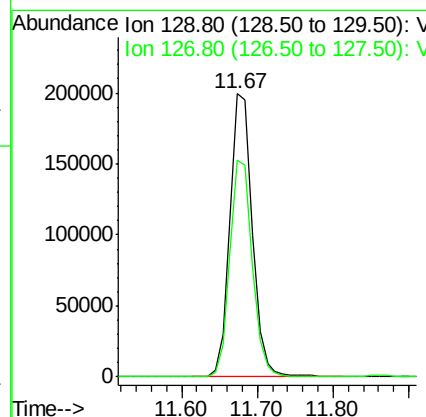
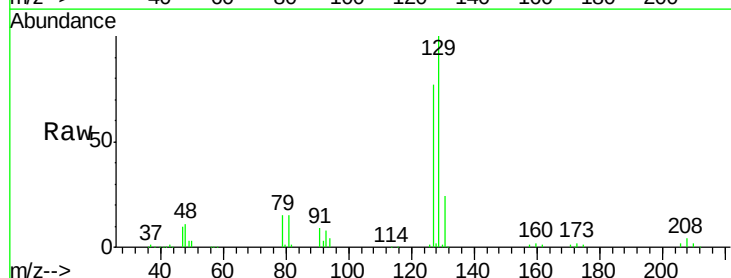
Instrument :
MSVOA_D
ClientSampleId :

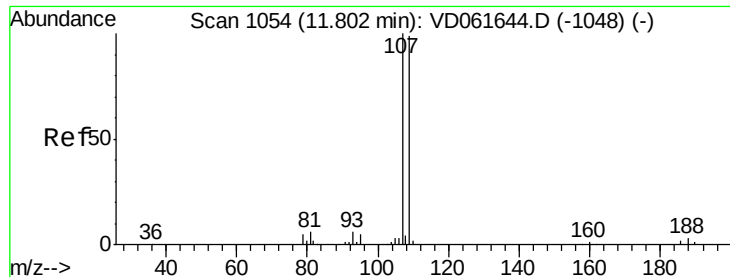
Tot Ion: 43 Resp: 632369
Ion Ratio Lower Upper
43 100
58 52.7 25.6 76.8



#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

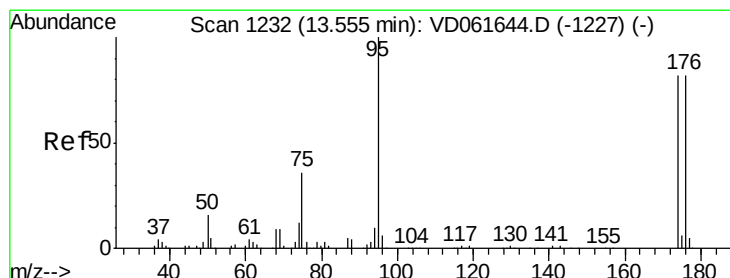
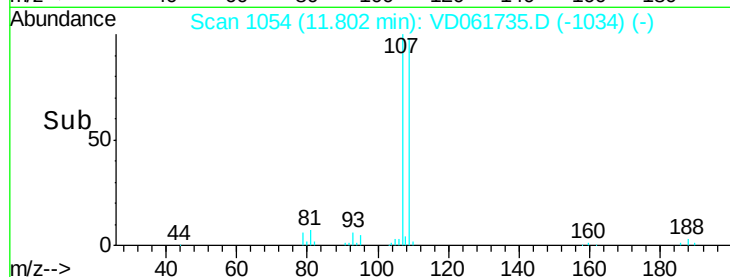
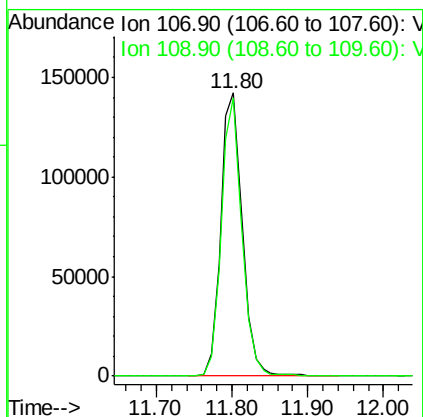
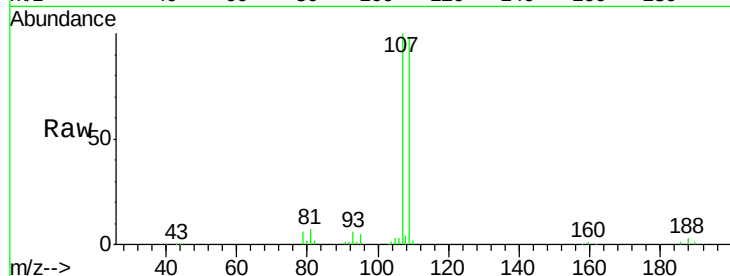




#61
 1,2-Dibromoethane
 Concen: 54.395 ug/l
 RT: 11.80 min Scan# 1054
 Delta R.T. -0.00 min
 Lab File: VD061735.D
 Acq: 11 Apr 2019 12:10

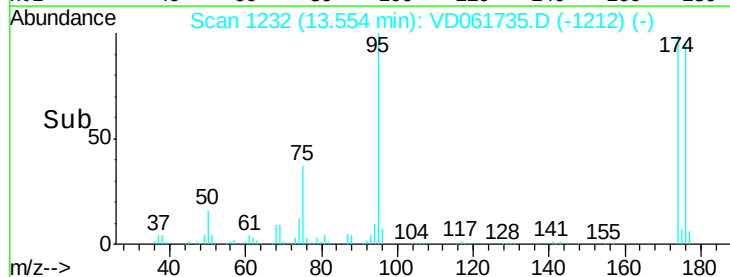
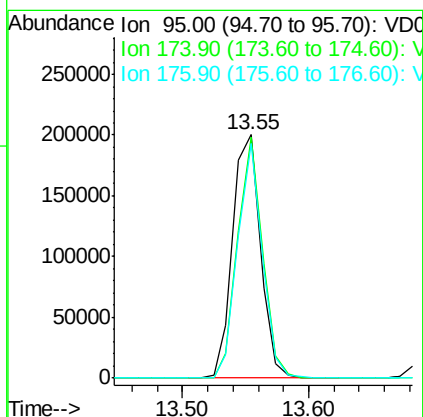
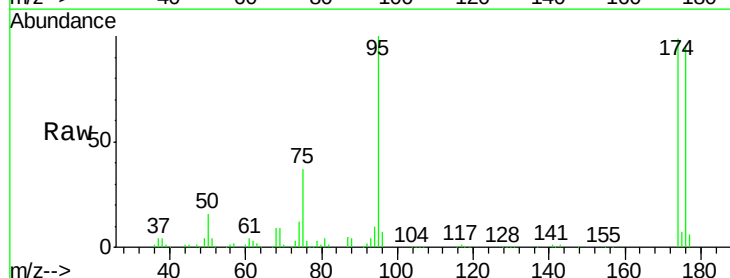
Instrument :
 MSVOA_D
 ClientSampleId :

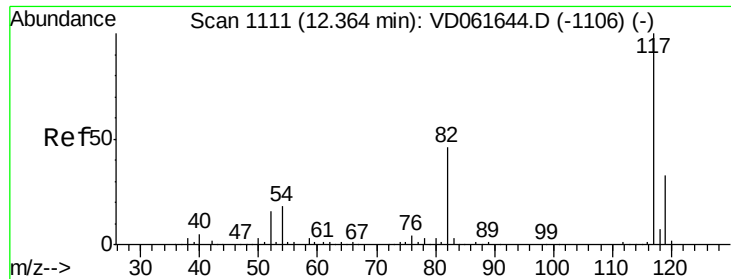
Tot Ion: 107 Resp: 280953
 Ion Ratio Lower Upper
 107 100
 109 98.3 79.2 118.8



#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

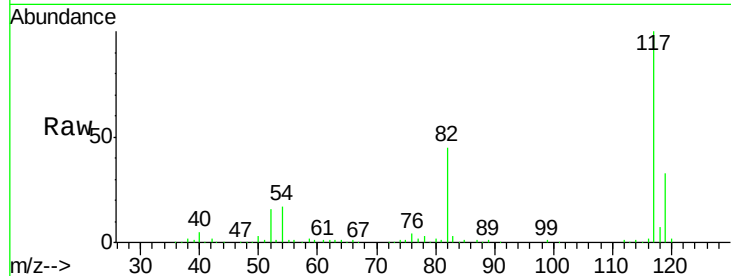




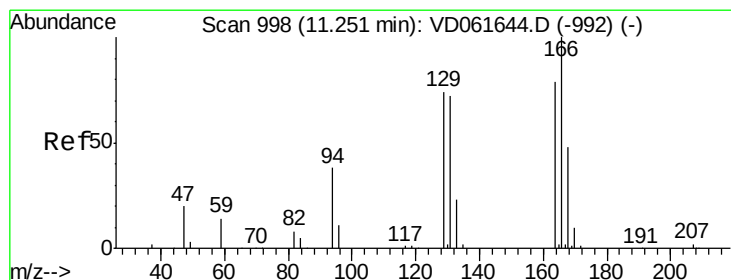
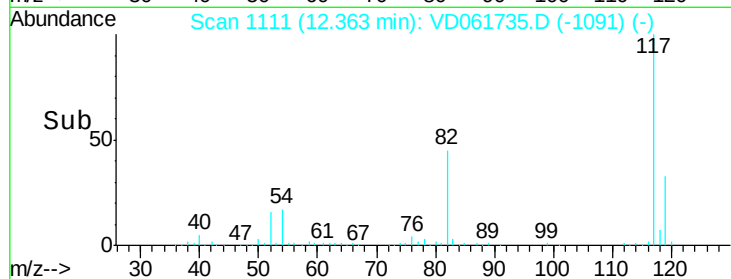
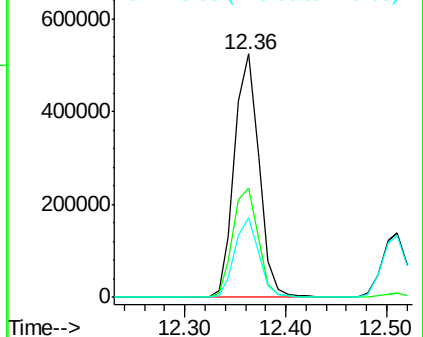
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.36 min Scan# 1111
Delta R.T. -0.00 min
Lab File: VD061735.D
Acq: 11 Apr 2019 12:10

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

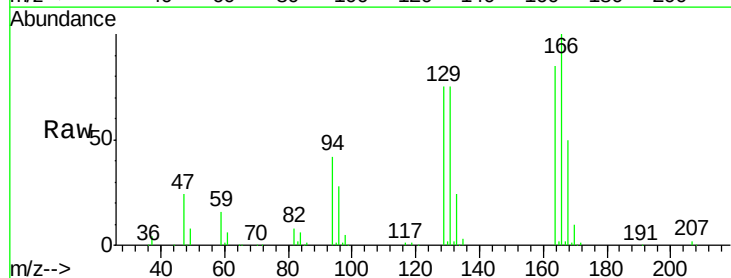


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

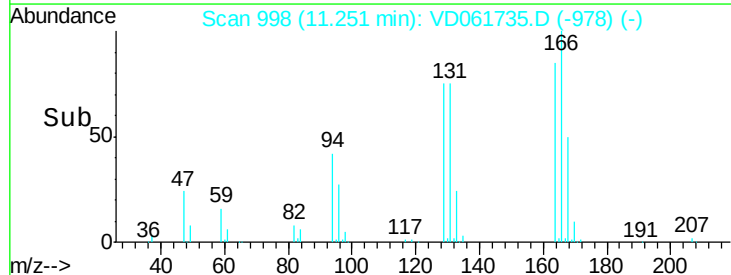
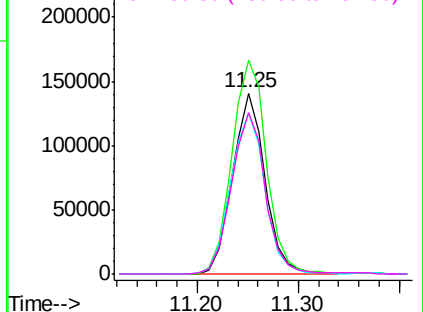


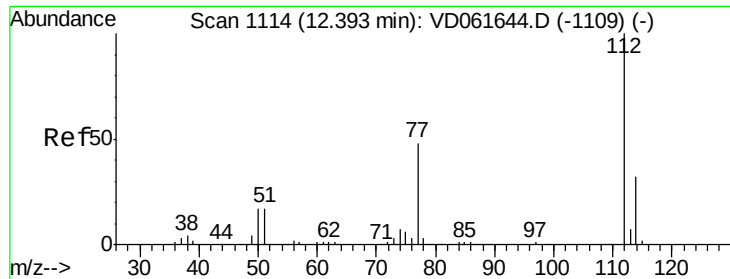
#64
Tetrachloroethene
Concen: 45.518 ug/l
RT: 11.25 min Scan# 998
Delta R.T. -0.00 min
Lab File: VD061735.D
Acq: 11 Apr 2019 12:10

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

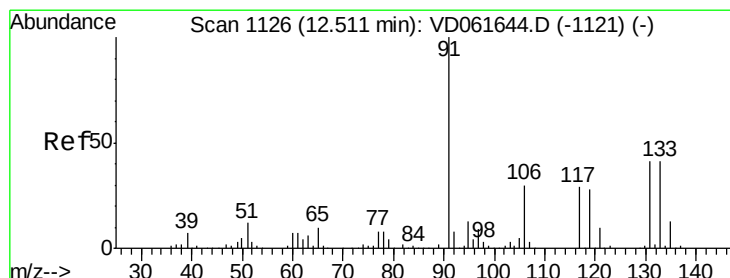
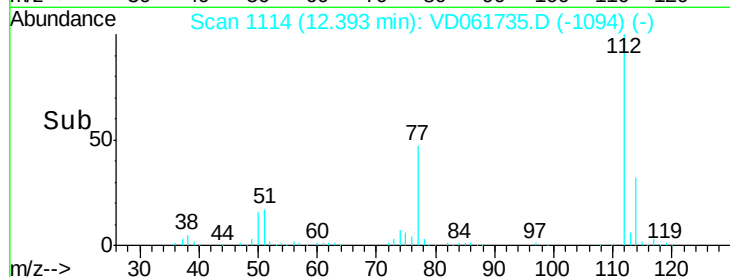
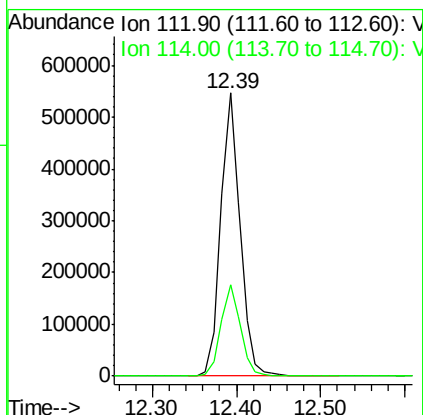
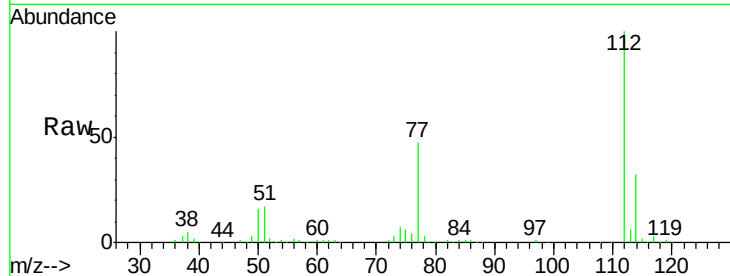




#65
Chlorobenzene
Concen: 49.284 ug/l
RT: 12.39 min Scan# 1114
Delta R.T. -0.00 min
Lab File: VD061735.D
Acq: 11 Apr 2019 12:10

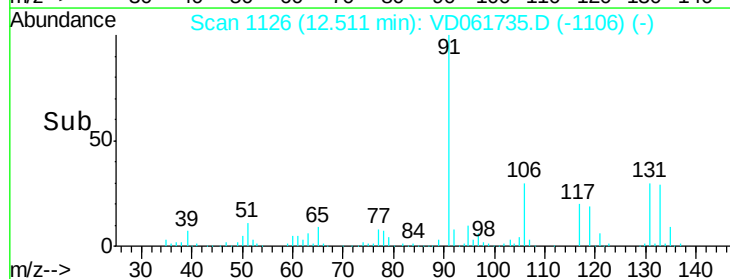
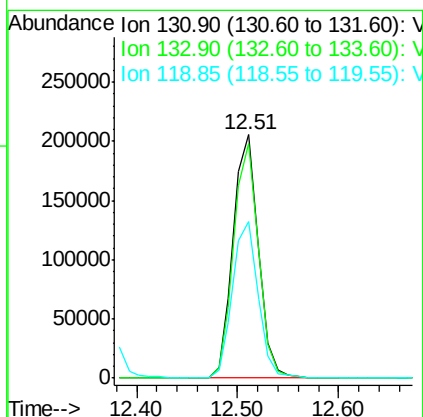
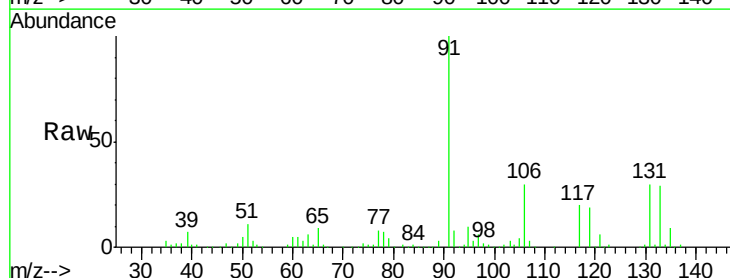
Instrument :
MSVOA_D
ClientSampleId :

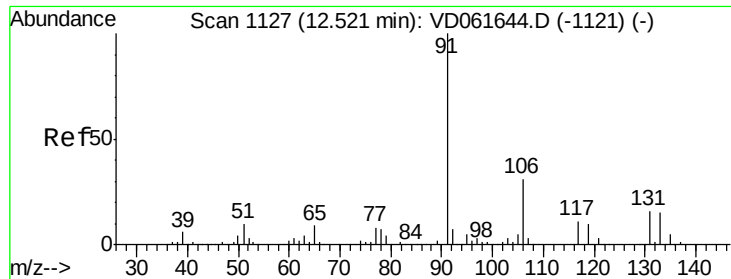
Tot Ion:112 Resp: 872139
Ion Ratio Lower Upper
112 100
114 32.3 25.6 38.4



#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

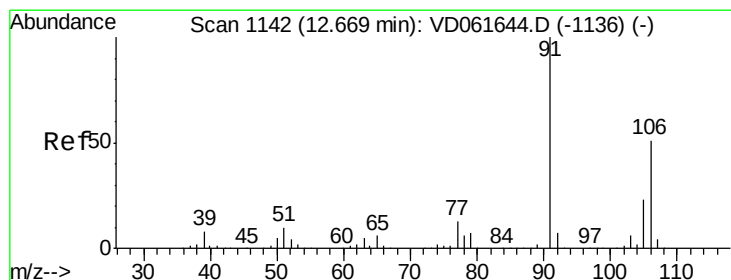
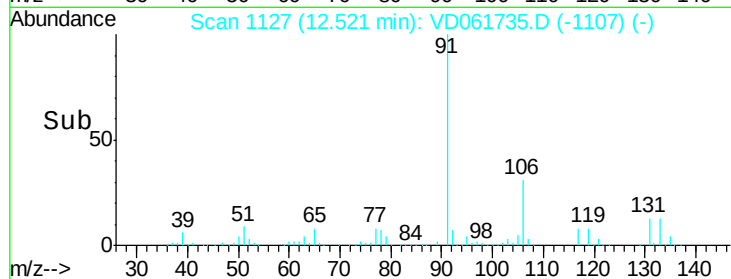
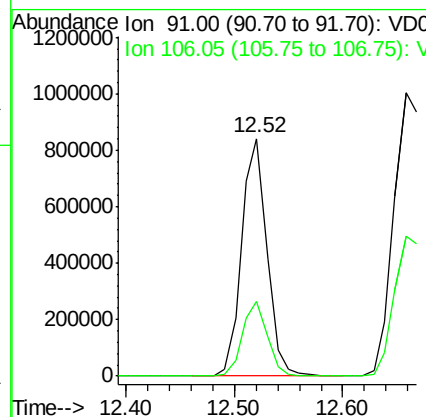
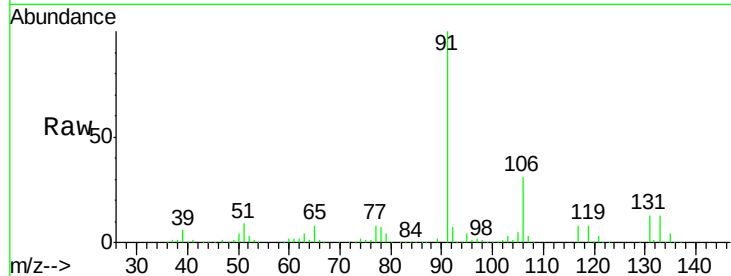




#67
Ethyl Benzene
Concen: 50.783 ug/l
RT: 12.52 min Scan# 1127
Delta R.T. -0.00 min
Lab File: VD061735.D
Acq: 11 Apr 2019 12:10

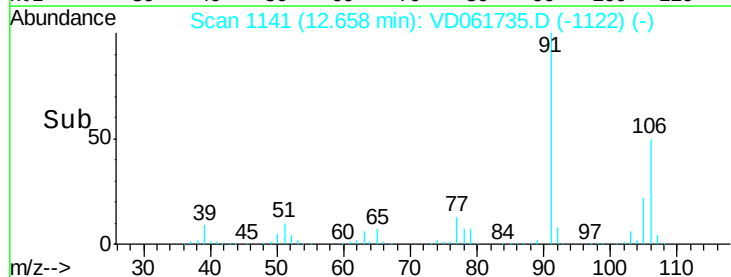
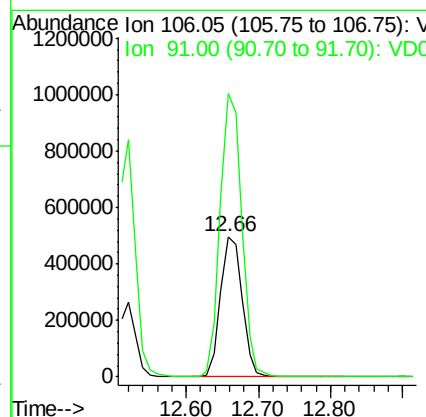
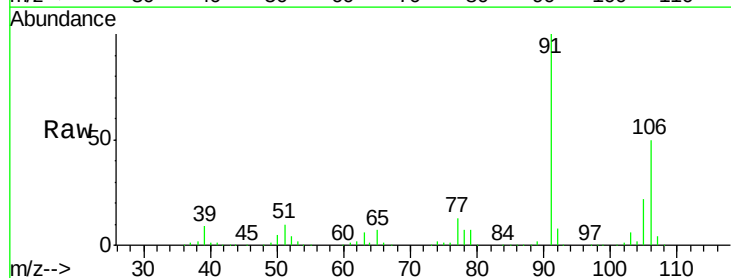
Instrument :
MSVOA_D
ClientSampled :

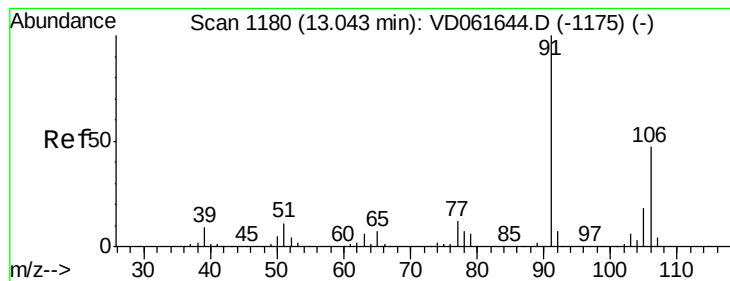
Tot Ion: 91 Resp: 1368478
Ion Ratio Lower Upper
91 100
106 31.4 24.6 37.0



#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

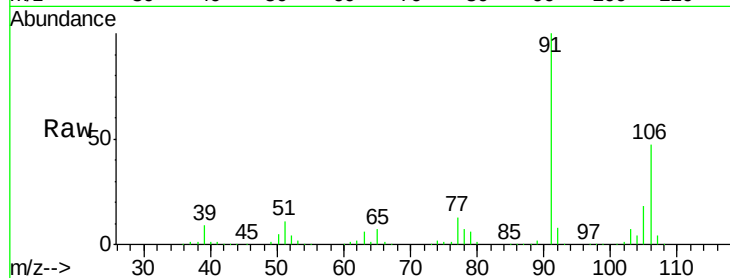
ClientSampled :

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

600000

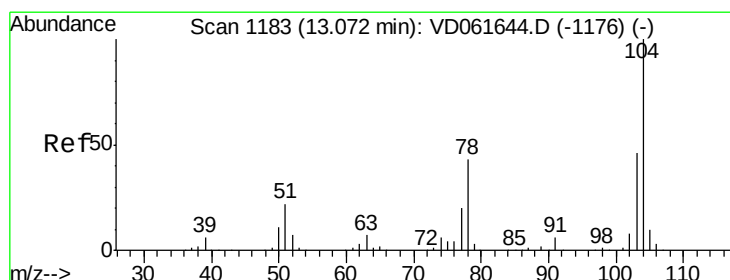
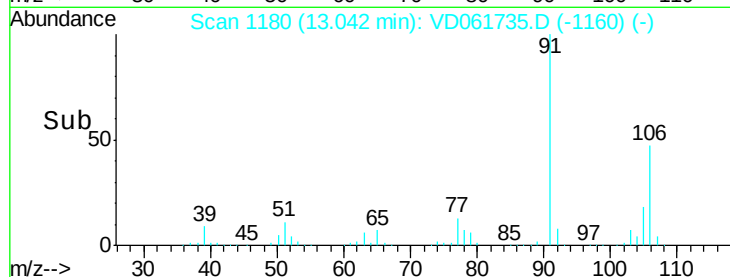
400000

200000

0

13.04

Time-->



#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

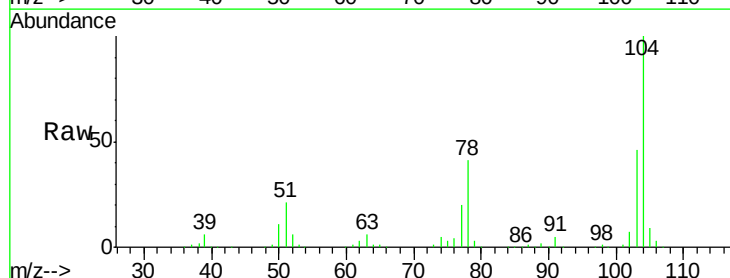
Tgt Ion:104 Resp: 777405

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

600000

500000

400000

300000

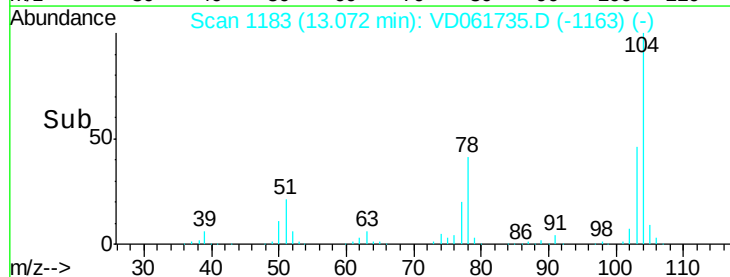
200000

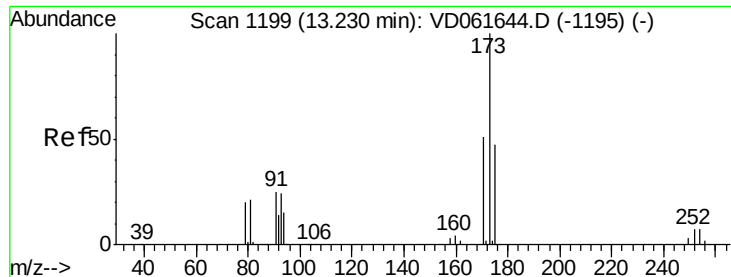
100000

0

13.07

Time-->

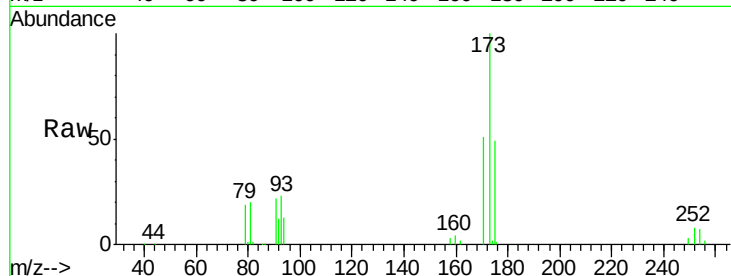




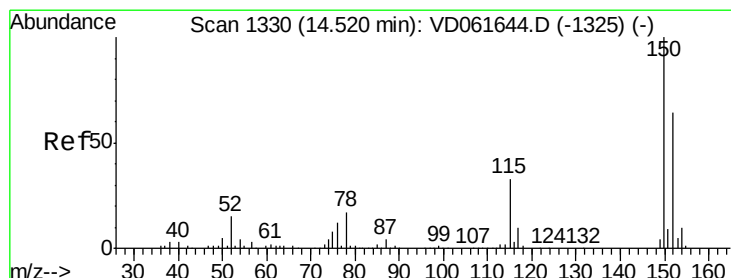
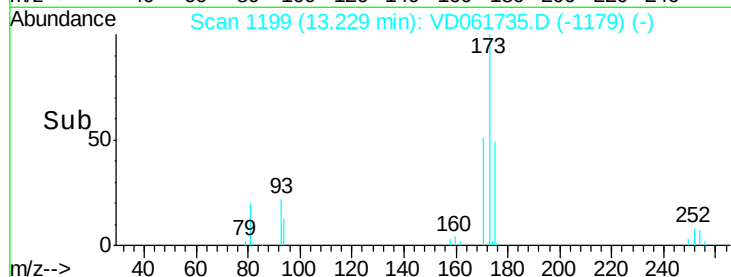
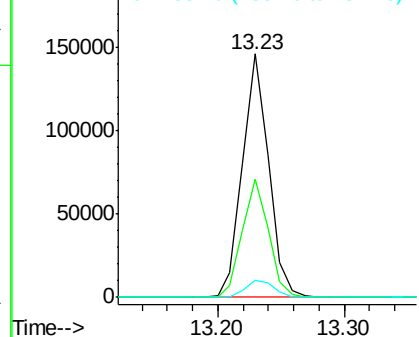
#71
Bromoform
Concen: 49.613 ug/l
RT: 13.23 min Scan# 1199
Delta R.T. -0.00 min
Lab File: VD061735.D
Acq: 11 Apr 2019 12:10

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

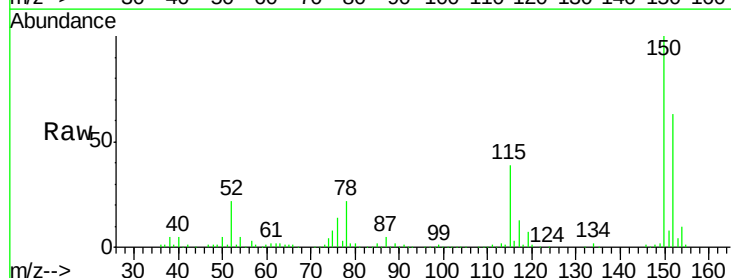


Abundance Ion 172.80 (172.50 to 173.50): V
Ion 174.80 (174.50 to 175.50): V
Ion 253.70 (253.40 to 254.40): V

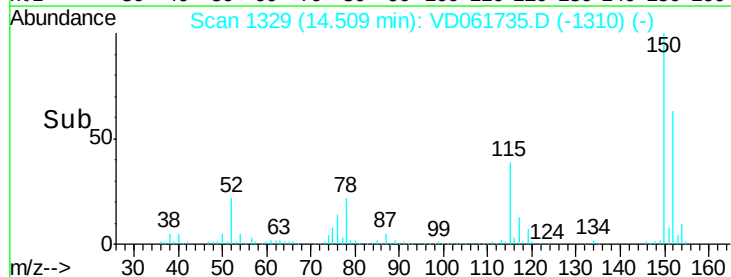
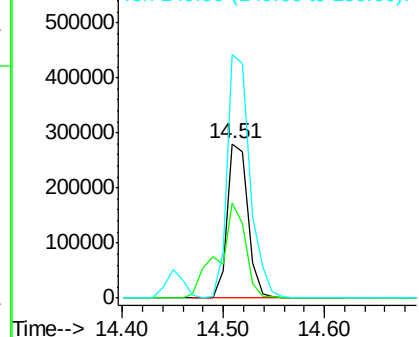


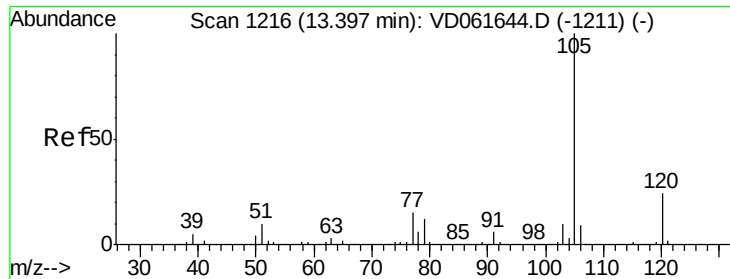
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.51 min Scan# 1329
Delta R.T. -0.01 min
Lab File: VD061735.D
Acq: 11 Apr 2019 12:10

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

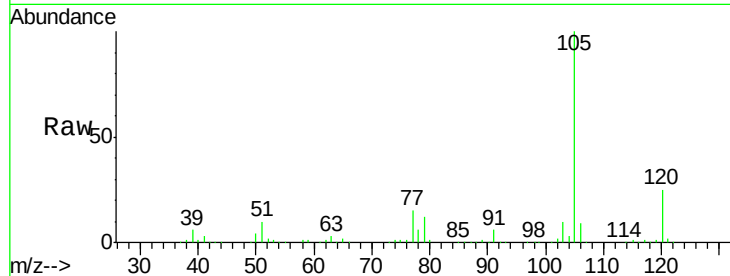
ClientSampleId :

Tot Ion:105 Resp: 1256774

Ion Ratio Lower Upper

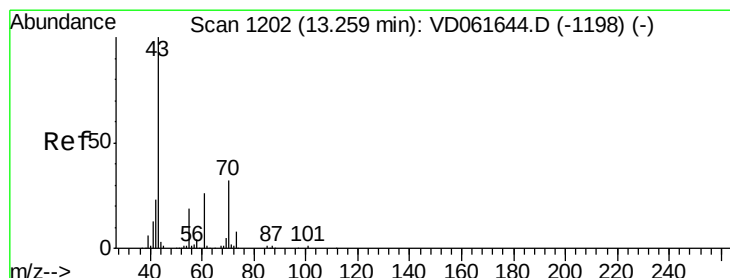
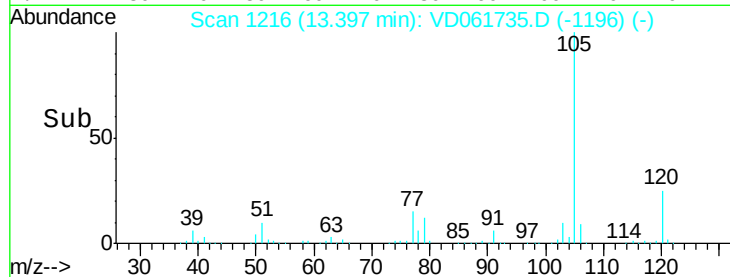
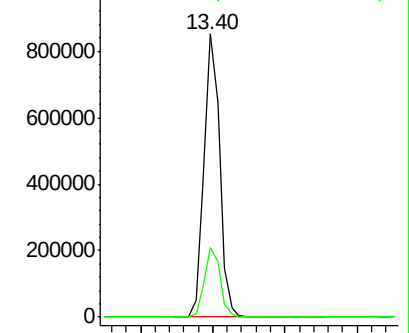
105 100

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

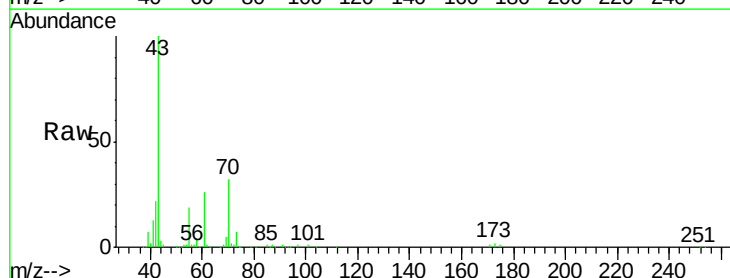
Ion Ratio Lower Upper

43 100

70 31.7 25.4 38.2

55 19.0 15.0 22.4

61 26.0 20.9 31.3

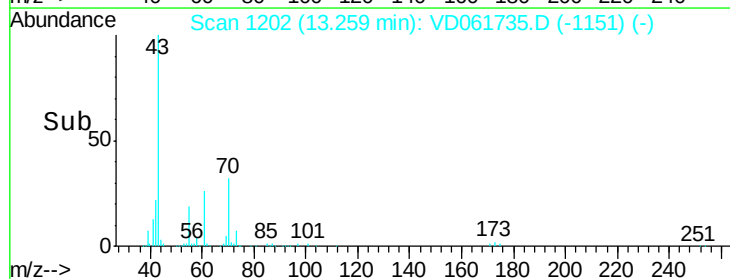
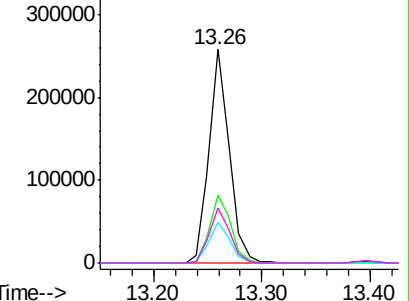


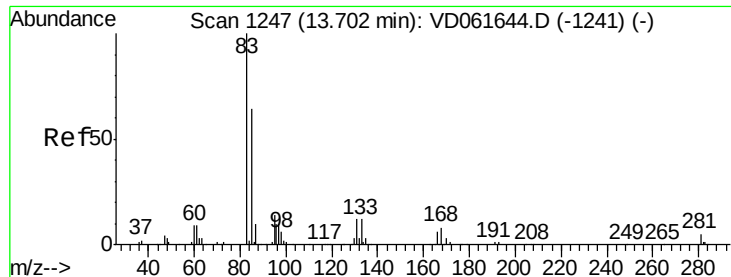
Abundance Ion 42.95 (42.65 to 43.65): V

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 :

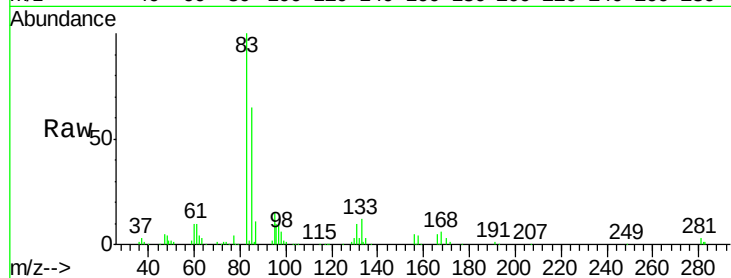
Tot Ion: 83 Resp: 267224

Ion Ratio Lower Upper

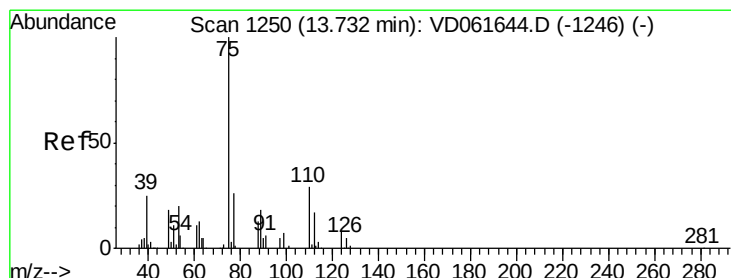
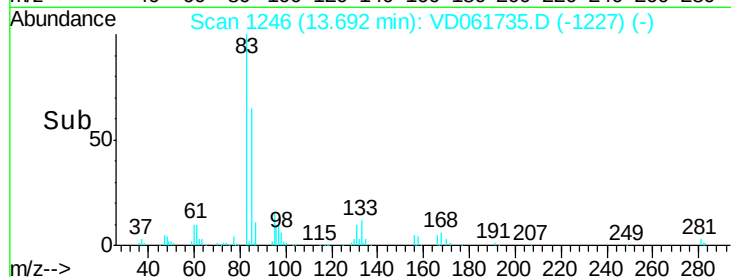
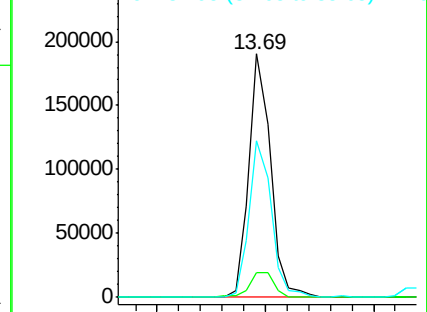
83 100

131 10.1 5.9 17.6

85 64.6 32.0 96.2



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

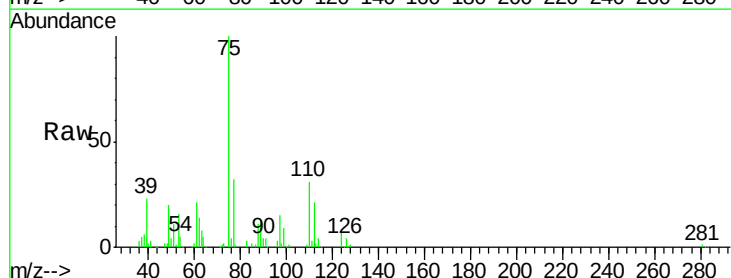
Acq: 11 Apr 2019 12:10

Tgt Ion: 75 Resp: 272137

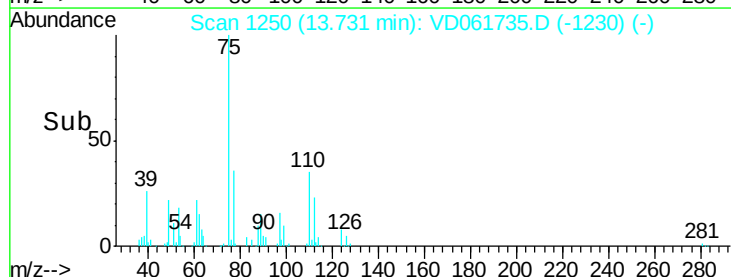
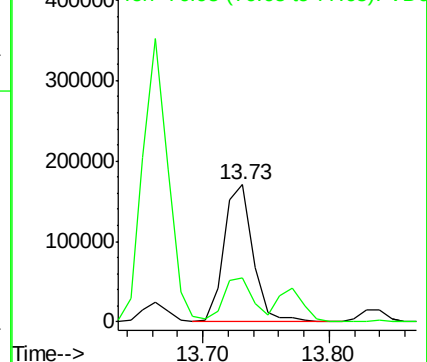
Ion Ratio Lower Upper

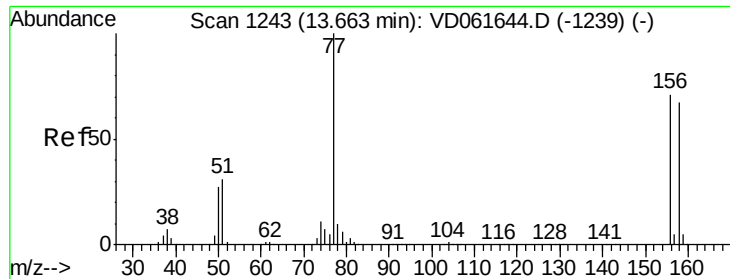
75 100

77 32.5 15.7 47.1



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 :

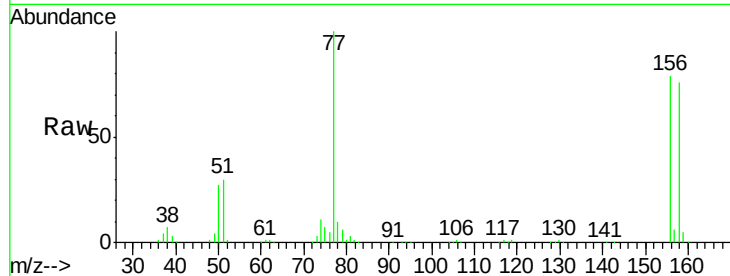
Tot Ion:156 Resp: 393296

Ion Ratio Lower Upper

156 100

77 126.8 70.3 210.8

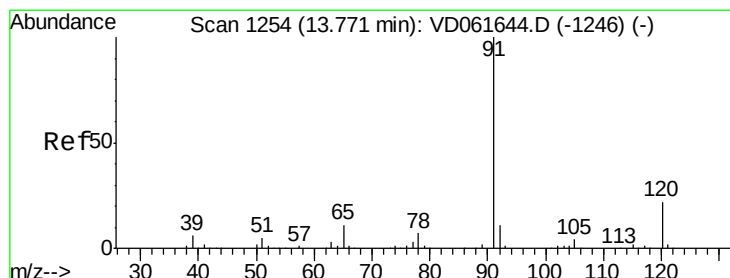
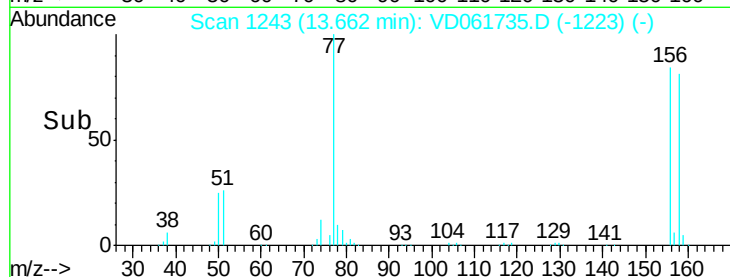
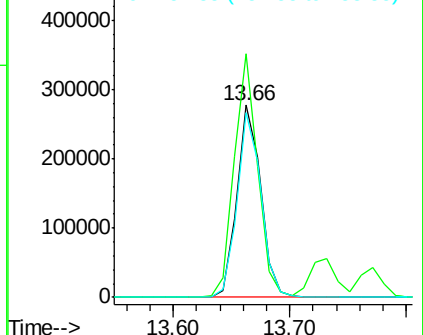
158 96.4 47.4 142.2



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

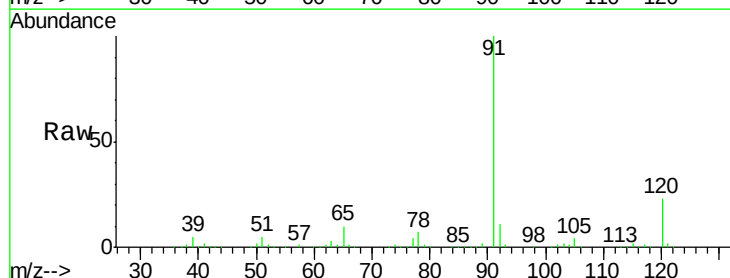
Acq: 11 Apr 2019 12:10

Tgt Ion: 91 Resp: 1571815

Ion Ratio Lower Upper

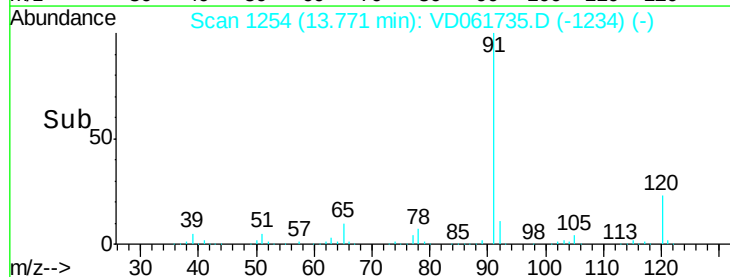
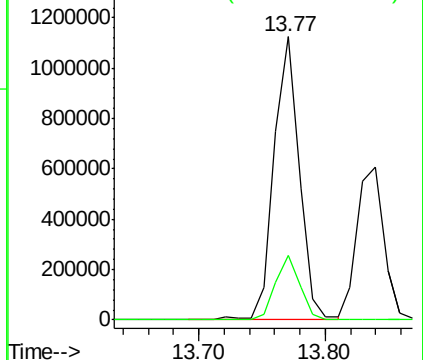
91 100

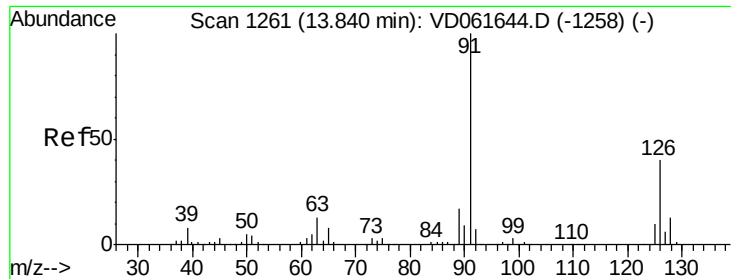
120 22.8 10.8 32.4



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V

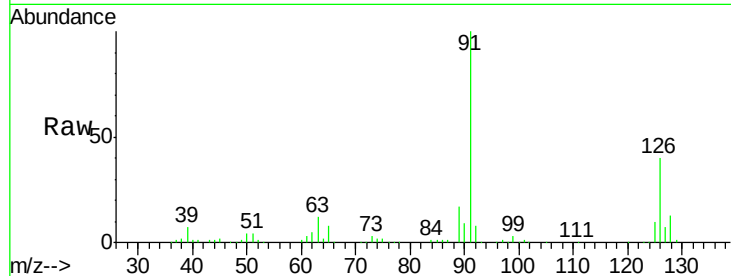




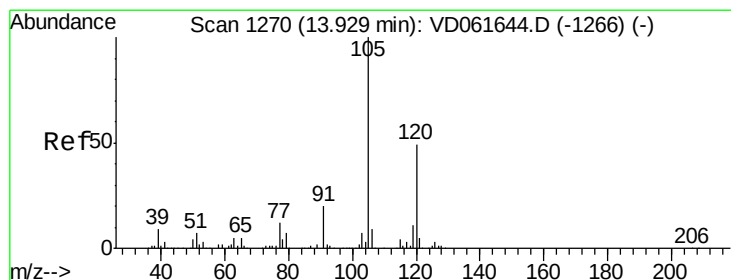
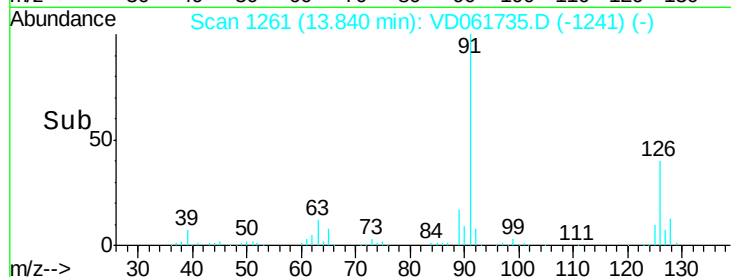
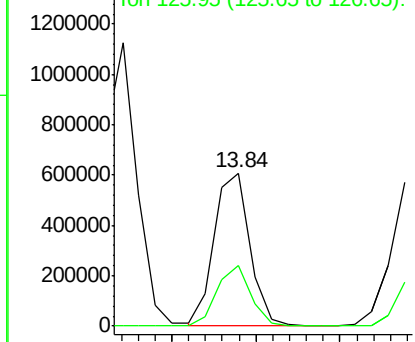
#79
 2-Chlorotoluene
 Concen: 49.162 ug/l
 RT: 13.84 min Scan# 1261
 Delta R.T. -0.00 min
 Lab File: VD061735.D
 Acq: 11 Apr 2019 12:10

Instrument :
 MSVOA_D
 ClientSampleId :

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

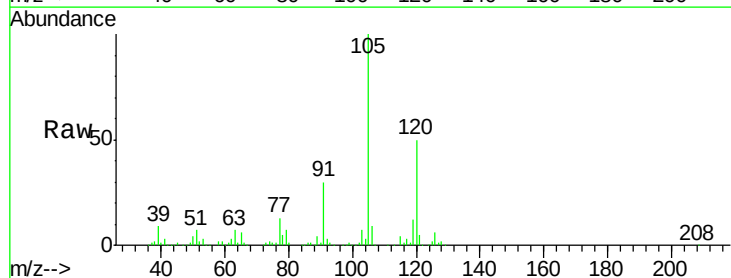


Abundance Ion 91.00 (90.70 to 91.70): VD061644.D (-1258) (-)
 Ion 125.95 (125.65 to 126.65): VD061644.D (-1258) (-)

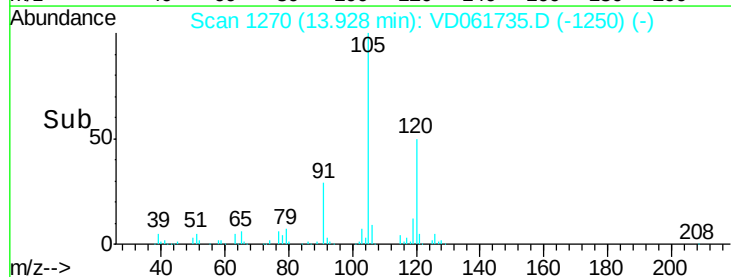
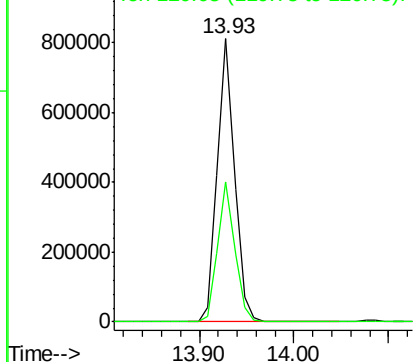


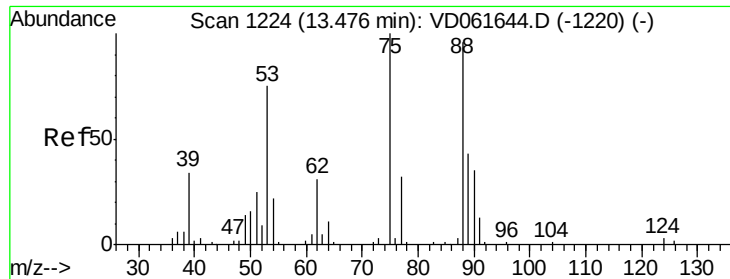
#80
 1,3,5-Trimethylbenzene
 Concen: 48.827 ug/l
 RT: 13.93 min Scan# 1270
 Delta R.T. -0.00 min
 Lab File: VD061735.D
 Acq: 11 Apr 2019 12:10

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) (-)

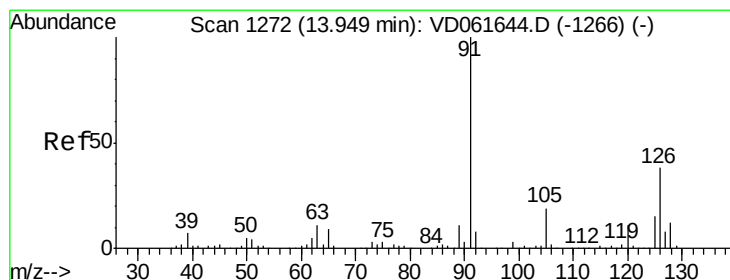
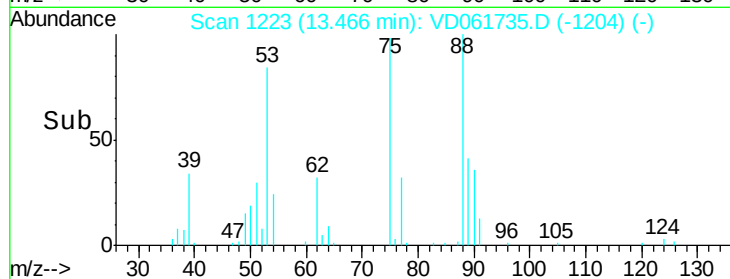
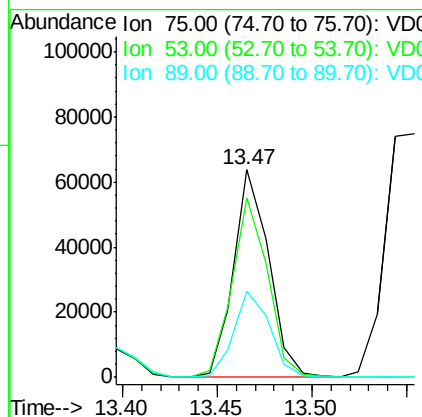
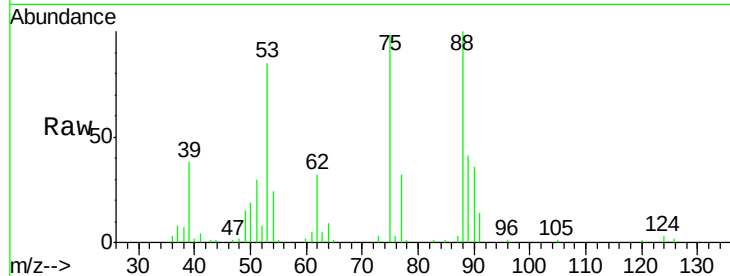




#81
trans-1,4-Dichloro-2-butene
Concen: 50.137 ug/l
RT: 13.47 min Scan# 1223
Delta R.T. -0.01 min
Lab File: VD061735.D
Acq: 11 Apr 2019 12:10

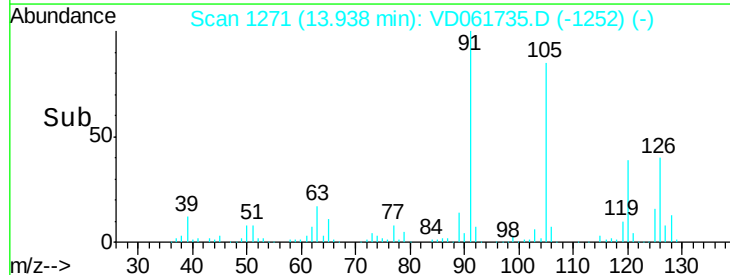
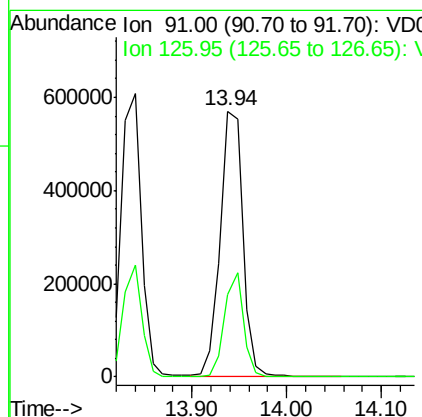
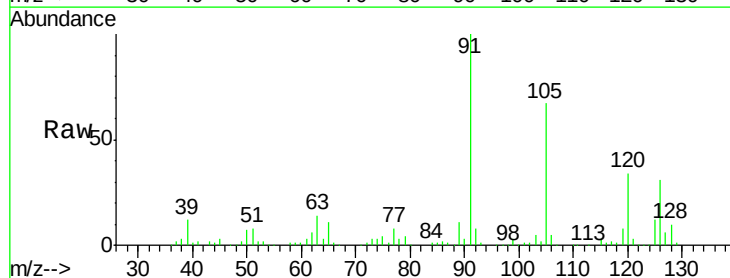
Instrument :
MSVOA_D
ClientSampled :

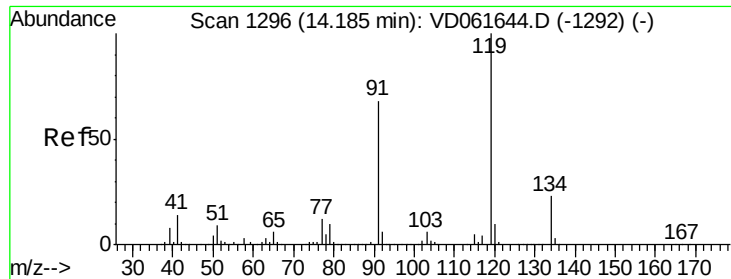
Tot Ion: 75 Resp: 82593
Ion Ratio Lower Upper
75 100
53 86.6 60.2 90.2
89 41.6 34.2 51.2



#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

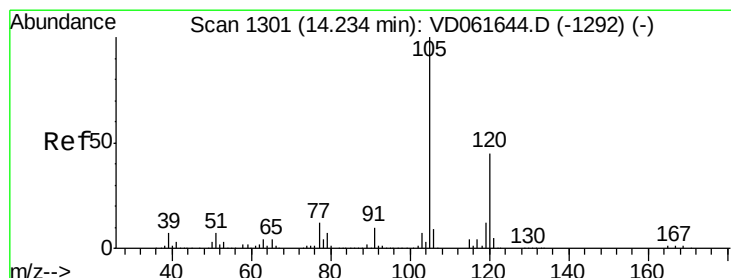
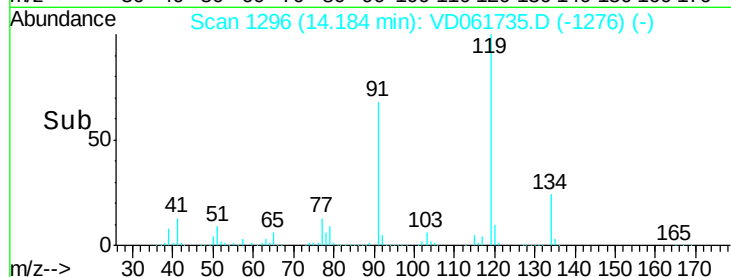
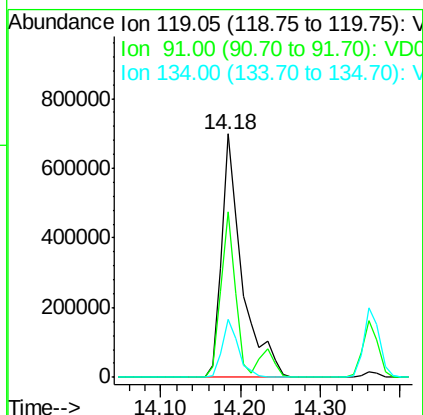
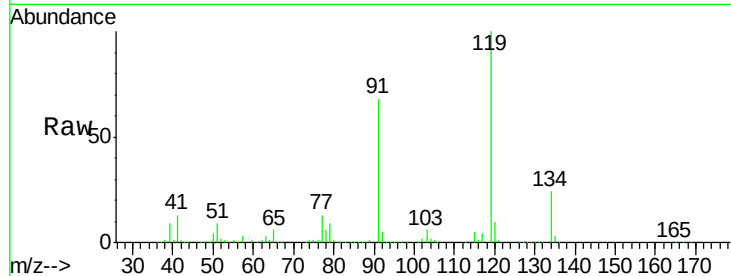




#83
 tert-Butylbenzene
 Concen: 49.858 ug/l
 RT: 14.18 min Scan# 1296
 Delta R.T. -0.00 min
 Lab File: VD061735.D
 Acq: 11 Apr 2019 12:10

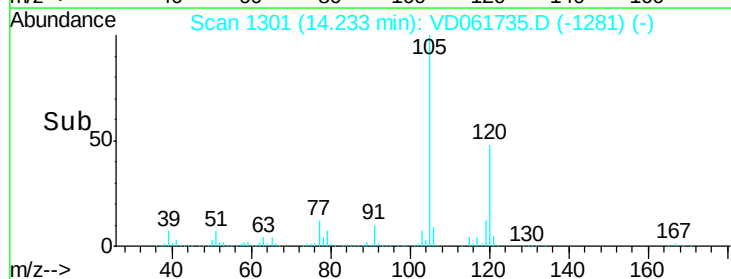
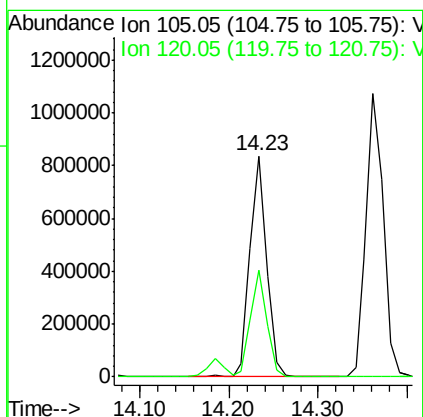
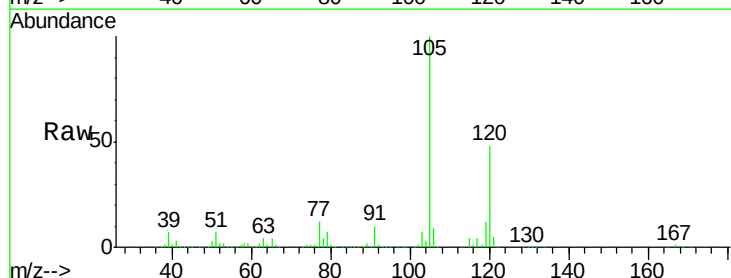
Instrument :
 MSVOA_D
 ClientSampled :

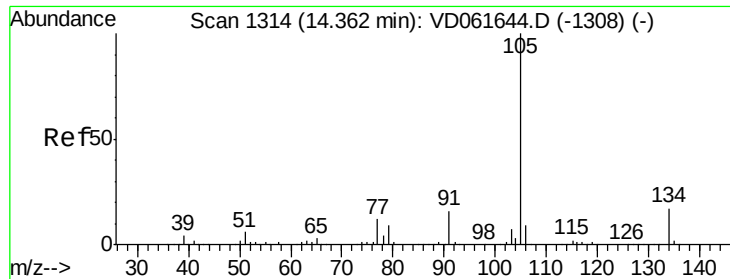
Tot Ion:119 Resp: 1268551
 Ion Ratio Lower Upper
 119 100
 91 68.1 33.9 101.6
 134 23.8 11.6 34.8



#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

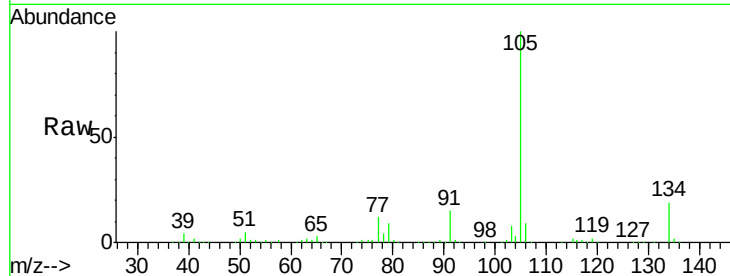
ClientSampleID :

Tot Ion:105 Resp: 1445771

Ion Ratio Lower Upper

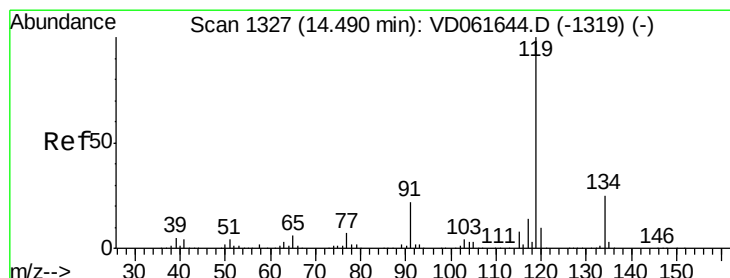
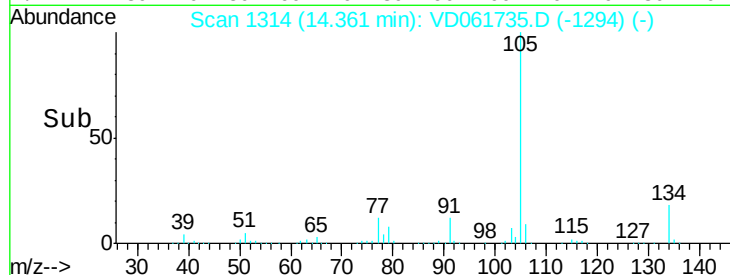
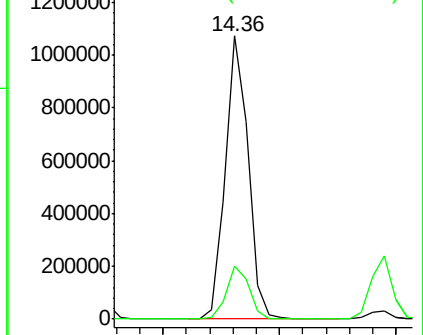
105 100

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



#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

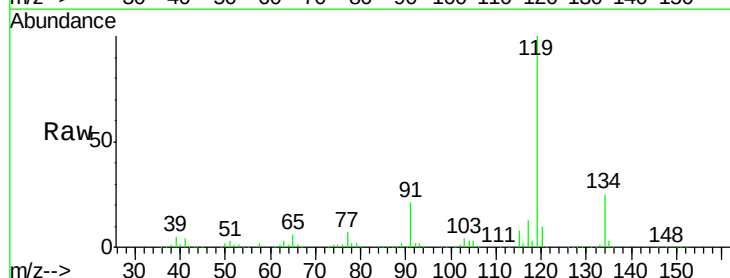
Tgt Ion:119 Resp: 1229171

Ion Ratio Lower Upper

119 100

134 25.3 12.5 37.5

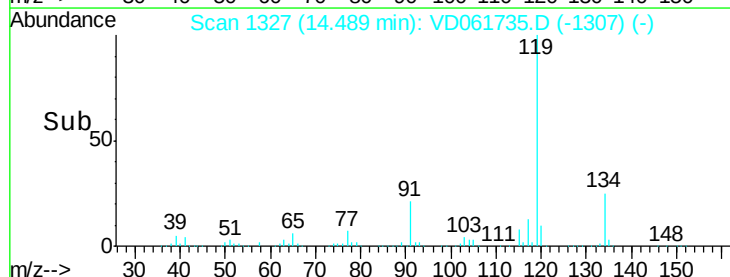
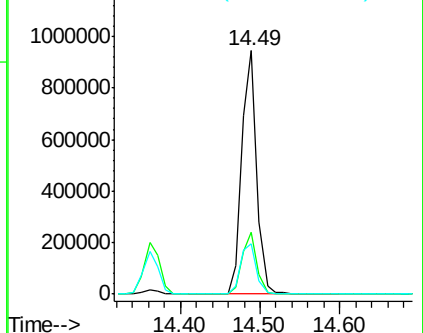
91 20.9 11.0 33.0

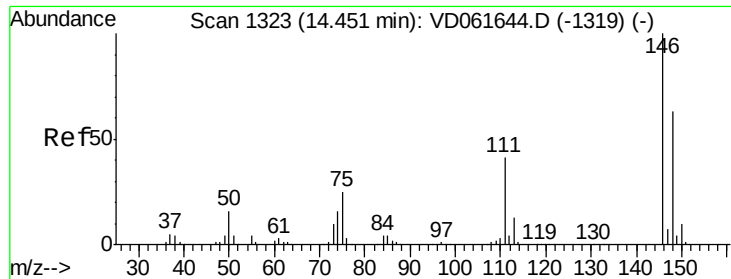


Abundance Ion 119.05 (118.75 to 119.75): V

Ion 134.10 (133.80 to 134.80): V

Ion 91.00 (90.70 to 91.70): V

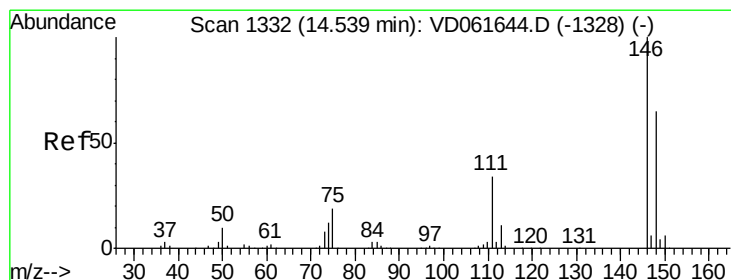
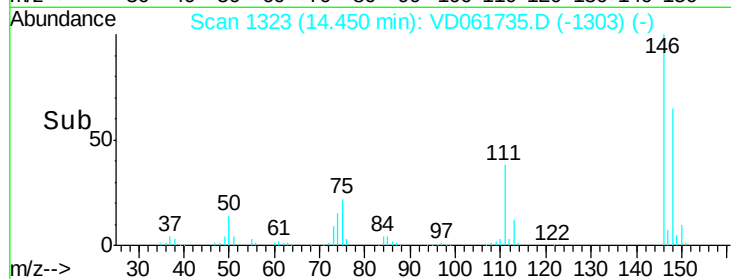
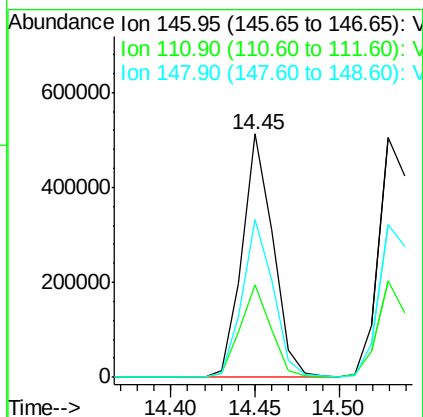
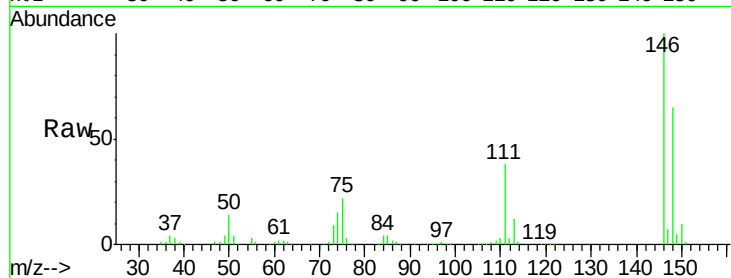




#87
 1,3-Dichlorobenzene
 Concen: 49.241 ug/l
 RT: 14.45 min Scan# 1323
 Delta R.T. -0.00 min
 Lab File: VD061735.D
 Acq: 11 Apr 2019 12:10

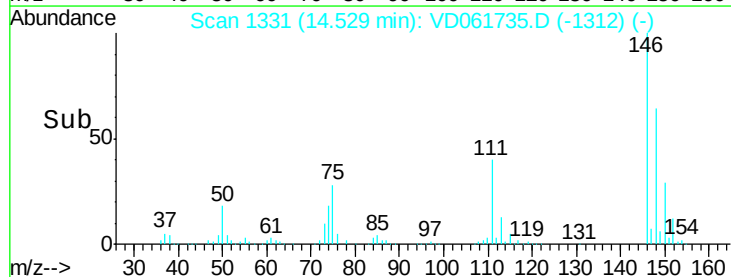
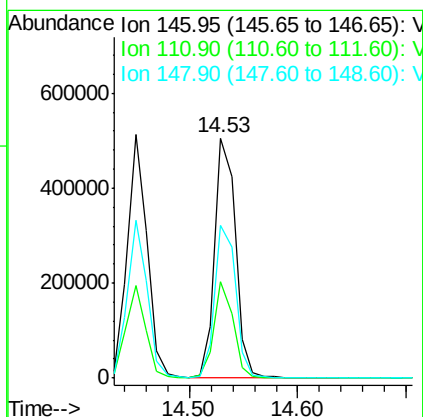
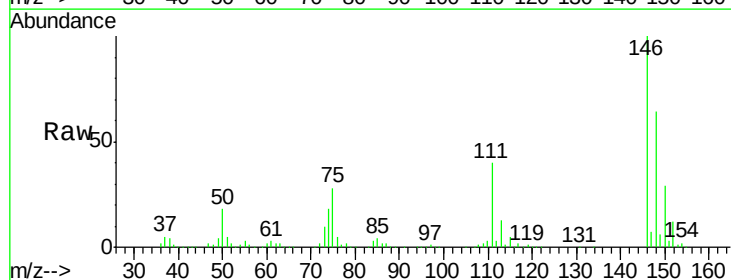
Instrument :
 MSVOA_D
 ClientSampleId :

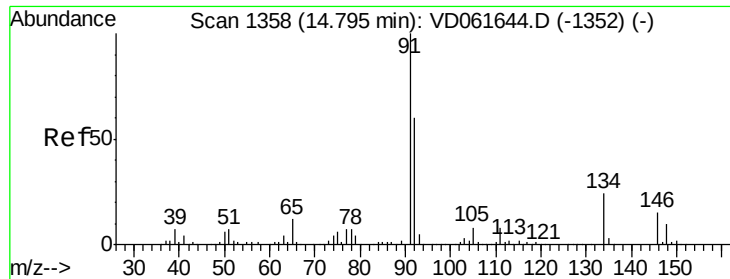
Tot Ion	Ratio	Lower	Upper
146	100		
111	38.2	20.3	61.0
148	65.0	31.7	95.1



#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 :

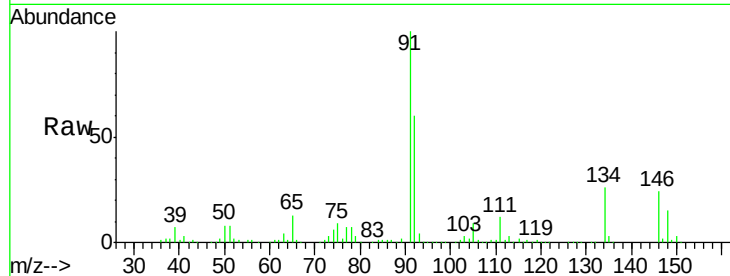
Tot Ion: 91 Resp: 1007513

Ion Ratio Lower Upper

91 100

92 60.1 29.8 89.4

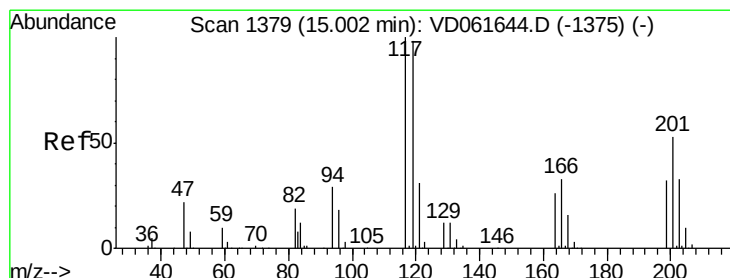
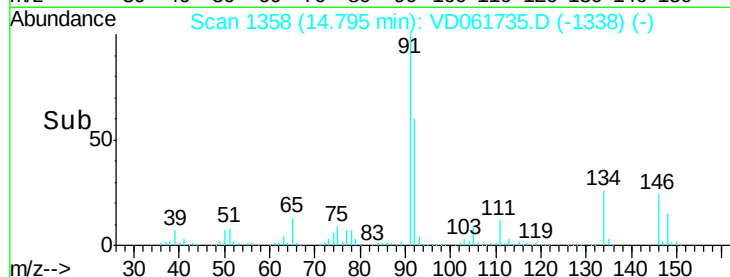
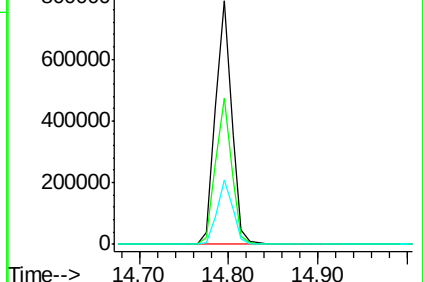
134 26.2 12.2 36.4



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

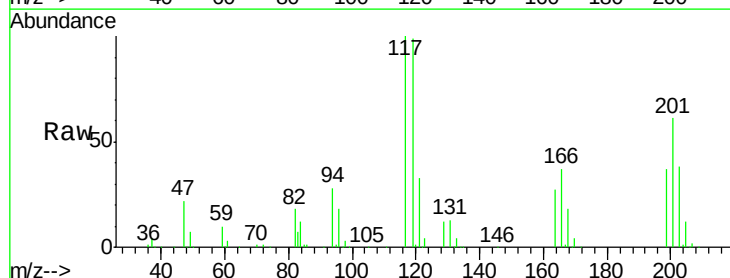
Acq: 11 Apr 2019 12:10

Tgt Ion: 117 Resp: 344896

Ion Ratio Lower Upper

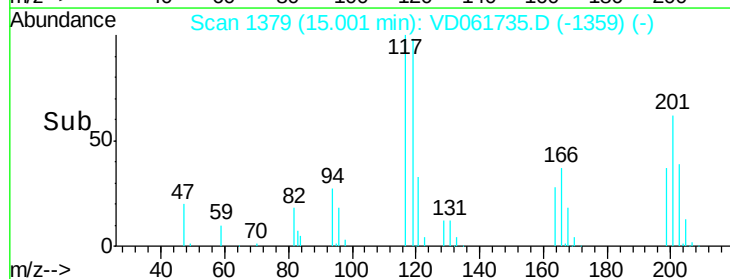
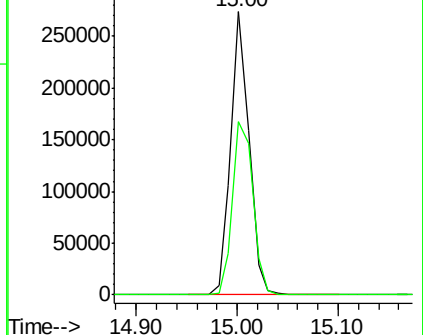
117 100

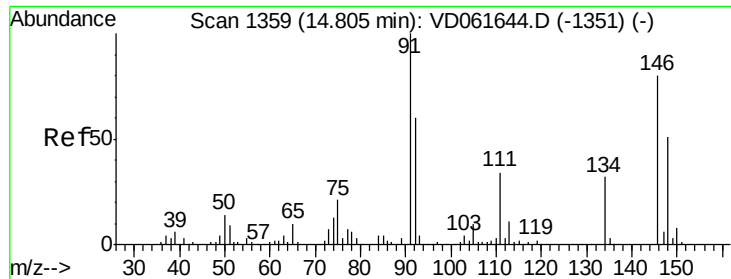
201 61.2 26.3 78.8



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 :

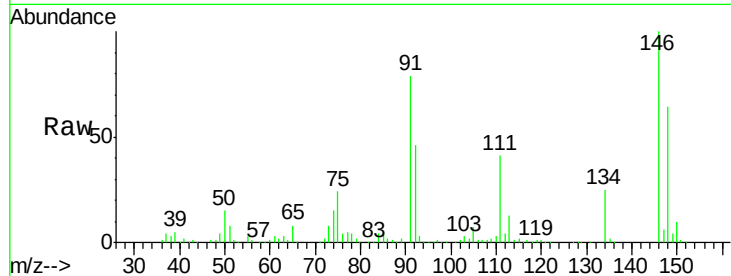
Tot Ion:146 Resp: 546868

Ion Ratio Lower Upper

146 100

111 41.1 21.1 63.3

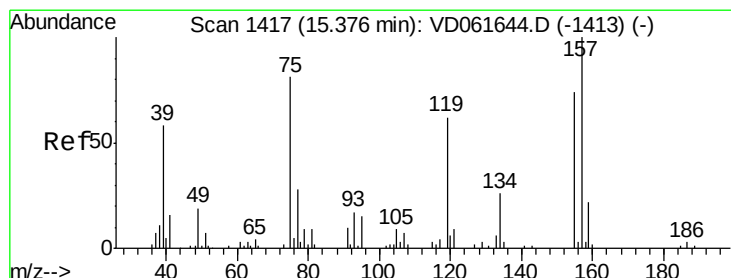
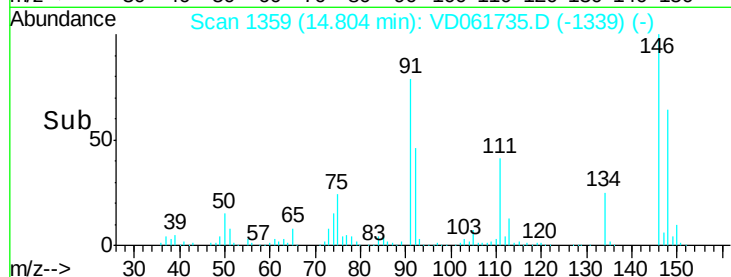
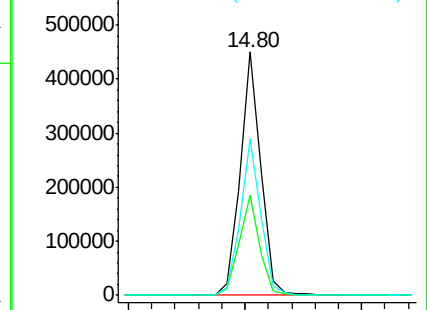
148 64.4 31.7 95.1



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

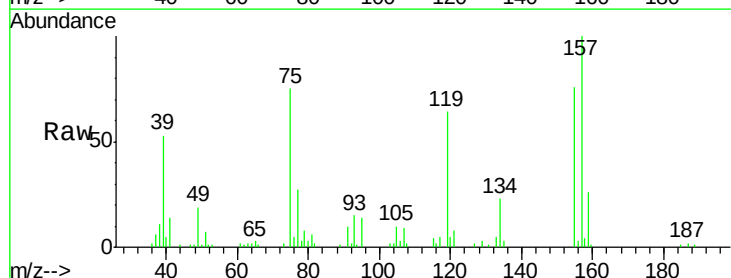
Tgt Ion: 75 Resp: 35067

Ion Ratio Lower Upper

75 100

155 101.6 45.6 136.7

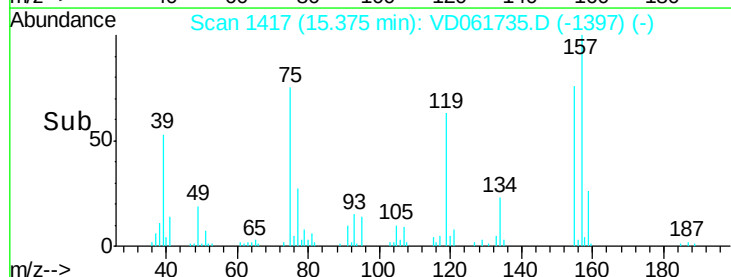
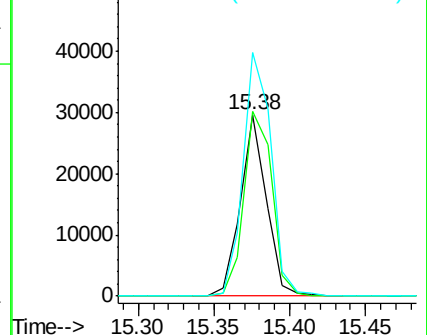
157 134.2 61.4 184.2

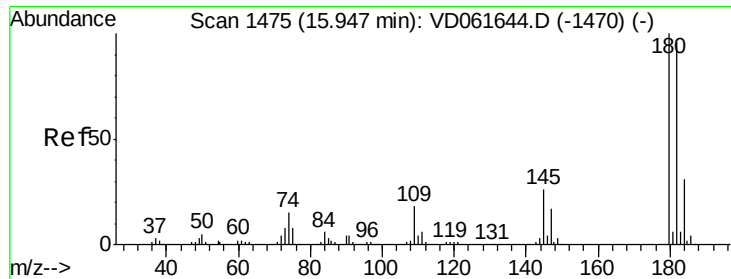


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 154.90 (154.60 to 155.60): V

Ion 156.85 (156.55 to 157.55): V

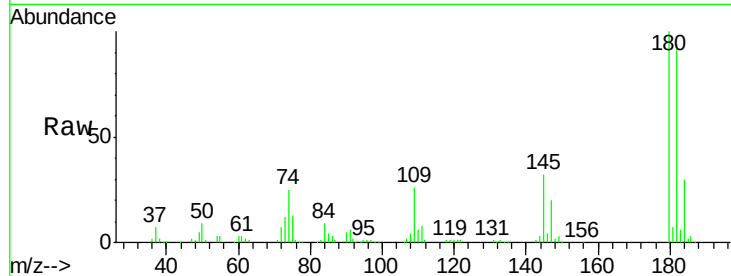




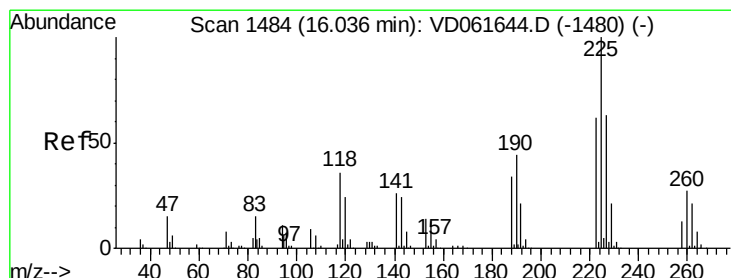
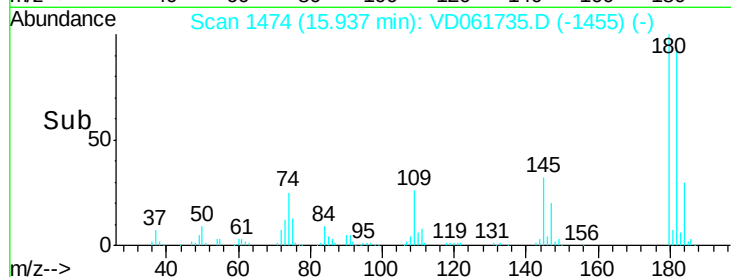
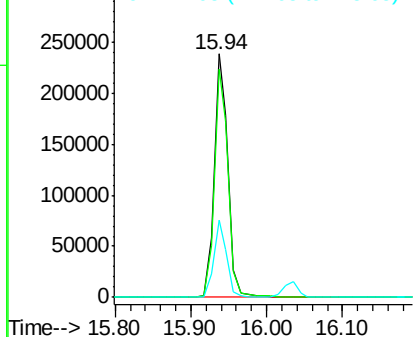
#93
 1,2,4-Trichlorobenzene
 Concen: 55.100 ug/l
 RT: 15.94 min Scan# 1474
 Delta R.T. -0.01 min
 Lab File: VD061735.D
 Acq: 11 Apr 2019 12:10

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

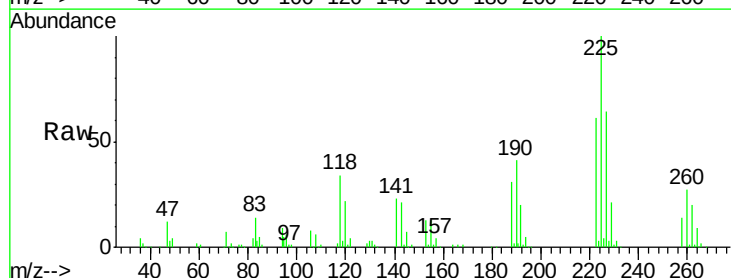


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

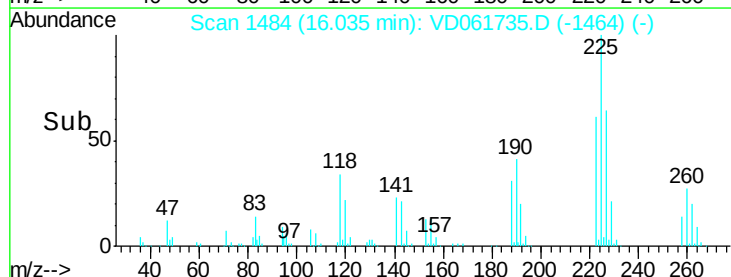
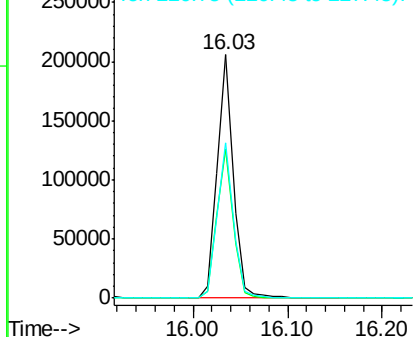


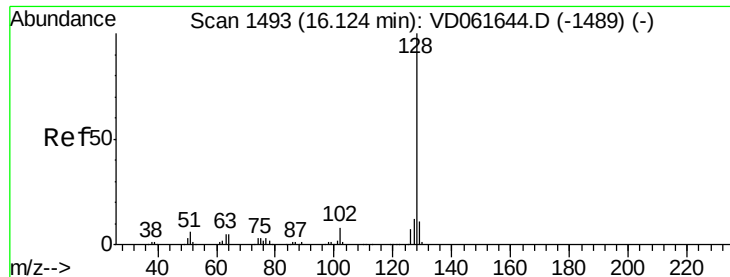
#94
 Hexachlorobutadiene
 Concen: 56.548 ug/l
 RT: 16.03 min Scan# 1484
 Delta R.T. -0.00 min
 Lab File: VD061735.D
 Acq: 11 Apr 2019 12:10

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

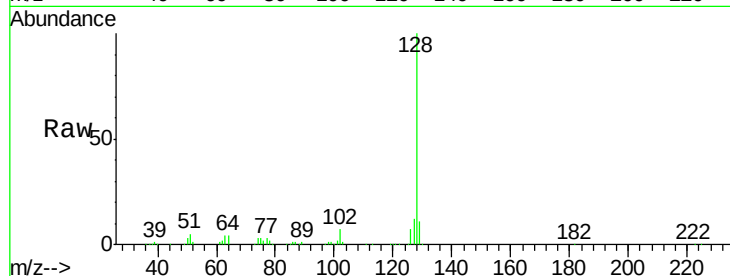




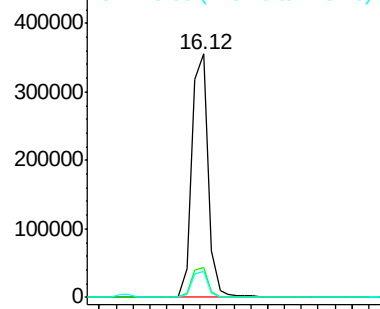
#95
Naphthalene
Concen: 54.273 ug/l
RT: 16.12 min Scan# 1493
Delta R.T. -0.00 min
Lab File: VD061735.D
Acq: 11 Apr 2019 12:10

Instrument :
MSVOA_D
ClientSampleId :

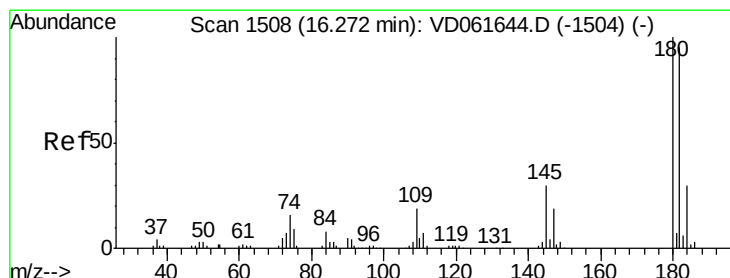
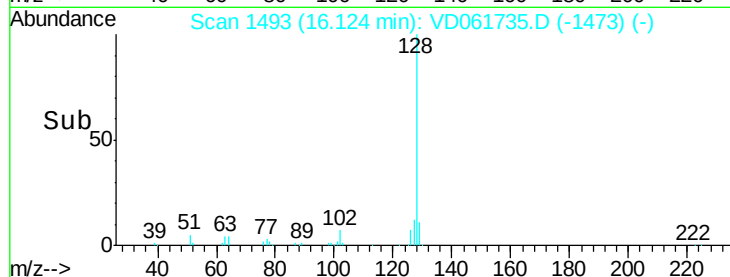
Tot Ion:128 Resp: 478916
Ion Ratio Lower Upper
128 100
127 12.2 9.4 14.2
129 10.7 8.8 13.2



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

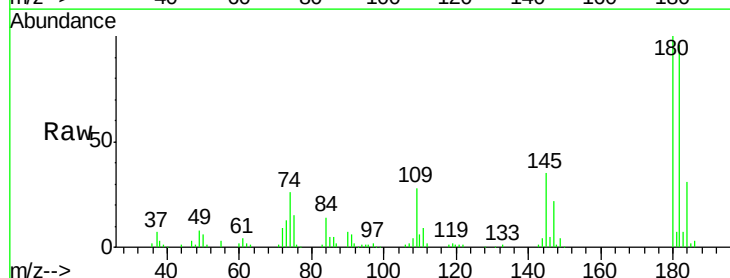


Time--> 16.00 16.10 16.20 16.30

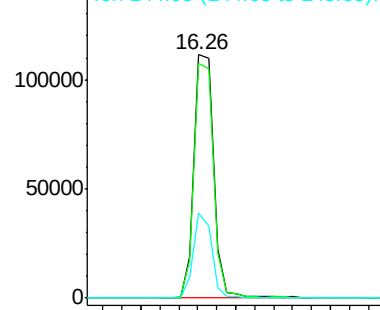


#96
1,2,3-Trichlorobenzene
Concen: 57.473 ug/l
RT: 16.26 min Scan# 1507
Delta R.T. -0.01 min
Lab File: VD061735.D
Acq: 11 Apr 2019 12:10

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

