

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD040819\
 Data File : VD061653.D
 Acq On : 8 Apr 2019 16:16
 Operator : VA/AP
 Sample : VD0408SBS02
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Apr 09 01:20:01 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	7.06	168	588878	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	8.23	114	967275	50.00	ug/l	0.02
63) Chlorobenzene-d5	12.38	117	763661	50.00	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	14.52	152	392046	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.47	65	251422	56.33	ug/l	0.01
Spiked Amount			Recovery	=	112.66%	
35) Dibromofluoromethane	6.93	113	369633	55.16	ug/l	0.01
Spiked Amount			Recovery	=	110.32%	
50) Toluene-d8	10.42	98	877767	52.14	ug/l	0.01
Spiked Amount			Recovery	=	104.28%	
62) 4-Bromofluorobenzene	13.56	95	362593	65.37	ug/l	0.00
Spiked Amount			Recovery	=	130.74%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.57	85	119464	18.804	ug/l	98
3) Chloromethane	1.76	50	101338	19.739	ug/l	99
4) Vinyl Chloride	1.84	62	91415	19.056	ug/l	98
5) Bromomethane	2.15	94	16557	14.911	ug/l	99
6) Chloroethane	2.26	64	24202	16.107	ug/l #	87
7) Trichlorofluoromethane	2.52	101	121870	16.825	ug/l	99
8) Diethyl Ether	2.88	74	41251	20.293	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.15	101	142439	20.002	ug/l	92
10) Methyl Iodide	3.31	142	152834	16.994	ug/l	98
11) Tert butyl alcohol	4.09	59	34975	116.915	ug/l #	90
12) 1,1-Dichloroethene	3.13	96	125853	20.501	ug/l	99
13) Acrolein	3.04	56	35283	96.738	ug/l	97
14) Allyl chloride	3.63	41	160091	19.120	ug/l	97
15) Acrylonitrile	4.21	53	101726	98.785	ug/l	92
16) Acetone	3.22	43	129879	97.336	ug/l	98
17) Carbon Disulfide	3.38	76	383457	19.223	ug/l	100
18) Methyl Acetate	3.65	43	54260	21.613	ug/l	98
19) Methyl tert-butyl Ether	4.25	73	236645	22.263	ug/l	99
20) Methylene Chloride	3.82	84	157131	20.752	ug/l	96
21) trans-1,2-Dichloroethene	4.23	96	130667	19.597	ug/l	95
22) Diisopropyl ether	5.13	45	362692	20.660	ug/l	97
23) Vinyl Acetate	5.06	43	1018646	105.161	ug/l	100
24) 1,1-Dichloroethane	4.99	63	203436	18.911	ug/l	98
25) 2-Butanone	6.08	43	168924	109.815	ug/l	96
26) 2,2-Dichloropropane	6.04	77	176872	20.192	ug/l	98
27) cis-1,2-Dichloroethene	6.05	96	148179	20.832	ug/l	98
28) Bromochloromethane	6.44	49	81345	20.499	ug/l	82
29) Tetrahydrofuran	6.47	42	79755	107.403	ug/l	98
30) Chloroform	6.68	83	224916	19.958	ug/l	98
31) Cyclohexane	6.96	56	165190	19.656	ug/l	97
32) 1,1,1-Trichloroethane	6.88	97	202804	20.536	ug/l	99
36) 1,1-Dichloropropene	7.16	75	170905	20.189	ug/l	97
37) Ethyl Acetate	6.19	43	81422	23.614	ug/l	97
38) Carbon Tetrachloride	7.12	117	201452	20.305	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.88	83	175131	20.151	ug/l	97
40) Benzene	7.47	78	430057	21.058	ug/l	99
41) Methacrylonitrile	6.45	41	88937	22.095	ug/l #	95
42) 1,2-Dichloroethane	7.59	62	140145	21.820	ug/l	97
43) Isopropyl Acetate	9.25	43	106634	21.309	ug/l #	97
44) Trichloroethene	8.55	130	156076	19.934	ug/l	99
45) 1,2-Dichloropropane	8.95	63	108584	21.439	ug/l	99
46) Dibromomethane	9.08	93	72476	20.022	ug/l	90
47) Bromodichloromethane	9.39	83	169416	21.310	ug/l	100
48) Methyl methacrylate	9.13	41	60957	21.132	ug/l	98
49) 1,4-Dioxane	9.09	88	15539	488.037	ug/l	91
51) 4-Methyl-2-Pentanone	10.31	43	334862	113.150	ug/l	99
52) Toluene	10.53	92	255092	20.003	ug/l	97
53) t-1,3-Dichloropropene	10.92	75	164623	23.623	ug/l	97
54) cis-1,3-Dichloropropene	10.05	75	169977	19.786	ug/l	97
55) 1,1,2-Trichloroethane	11.21	97	89761	20.869	ug/l	97
56) Ethyl methacrylate	11.05	69	106228	23.411	ug/l	98
57) 1,3-Dichloropropane	11.42	76	141550	22.472	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.87	63	267997	125.176	ug/l	96
59) 2-Hexanone	11.54	43	266385	115.982	ug/l	96
60) Dibromochloromethane	11.70	129	148628	21.872	ug/l	95
61) 1,2-Dibromoethane	11.82	107	106757	21.224	ug/l	94
64) Tetrachloroethene	11.27	164	123743	20.875	ug/l	98
65) Chlorobenzene	12.41	112	299664	19.787	ug/l	98
66) 1,1,1,2-Tetrachloroethane	12.53	131	125070	21.462	ug/l	94
67) Ethyl Benzene	12.54	91	500871	21.719	ug/l	100
68) m/p-Xylenes	12.67	106	393139	44.219	ug/l	97
69) o-Xylene	13.06	106	182914	21.313	ug/l	96
70) Styrene	13.08	104	324266	22.124	ug/l	99
71) Bromoform	13.24	173	86968	24.052	ug/l	98
73) Isopropylbenzene	13.41	105	487571	18.665	ug/l	99
74) N-amyl acetate	13.27	43	140936	19.857	ug/l	96
75) 1,1,2,2-Tetrachloroethane	13.71	83	104223	19.296	ug/l	98
76) 1,2,3-Trichloropropane	13.74	75	103507	19.406	ug/l	98
77) Bromobenzene	13.68	156	138589	18.278	ug/l	87
78) n-propylbenzene	13.79	91	629775	20.154	ug/l	96
79) 2-Chlorotoluene	13.84	91	351332	19.661	ug/l	91
80) 1,3,5-Trimethylbenzene	13.94	105	444170	21.423	ug/l	98
81) trans-1,4-Dichloro-2-buten	13.48	75	33474	20.681	ug/l	94
82) 4-Chlorotoluene	13.95	91	397005	20.275	ug/l	94
83) tert-Butylbenzene	14.20	119	513387	20.537	ug/l	97
84) 1,2,4-Trimethylbenzene	14.25	105	430011	20.550	ug/l	97
85) sec-Butylbenzene	14.38	105	505117	18.702	ug/l	98
86) p-Isopropyltoluene	14.49	119	480837	20.522	ug/l	98
87) 1,3-Dichlorobenzene	14.46	146	283460	21.722	ug/l	97
88) 1,4-Dichlorobenzene	14.54	146	263958	20.047	ug/l	97
89) n-Butylbenzene	14.81	91	442013	21.704	ug/l	96
90) Hexachloroethane	15.02	117	128895	20.274	ug/l	75
91) 1,2-Dichlorobenzene	14.82	146	220082	20.463	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	15.39	75	13974	21.439	ug/l	76

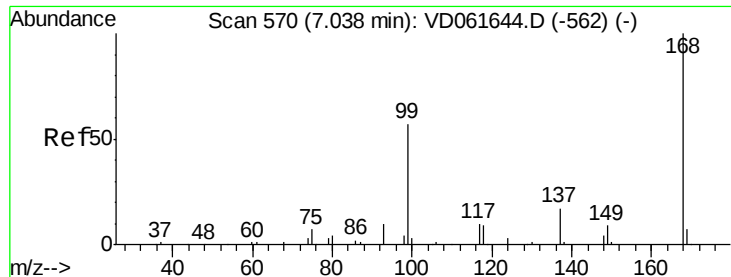
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.95	180	136335	24.882	ug/l	97
94) Hexachlorobutadiene	16.04	225	90900	21.485	ug/l	97
95) Naphthalene	16.13	128	220672	25.453	ug/l	98
96) 1,2,3-Trichlorobenzene	16.28	180	93029	34.019	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.06 min Scan# 573

Delta R.T. 0.02 min

Lab File: VD061653.D

Acq: 8 Apr 2019 16:16

Instrument :

MSVOA_D

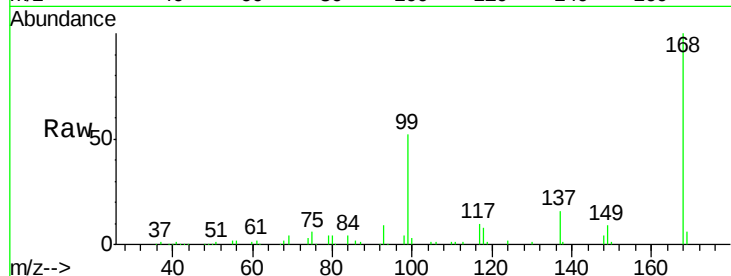
ClientSampled :

Tot Ion:168 Resp: 588878

Ion Ratio Lower Upper

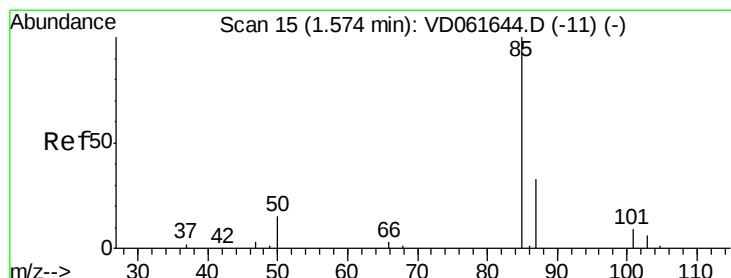
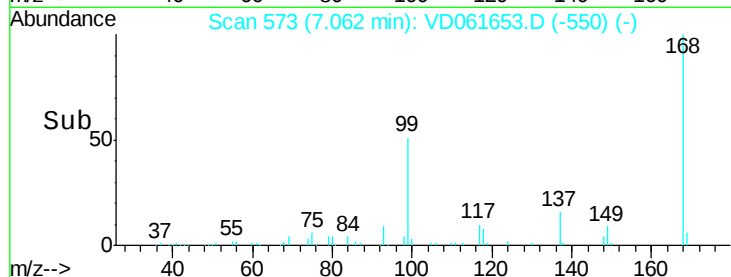
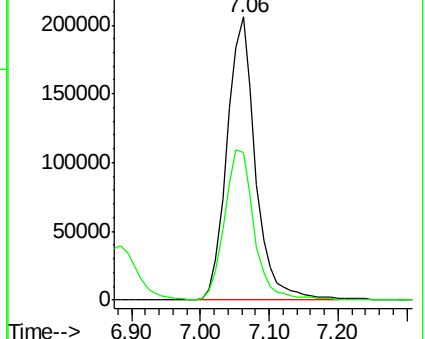
168 100

99 52.1 46.8 70.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#2

Dichlorodifluoromethane

Concen: 18.804 ug/l

RT: 1.57 min Scan# 15

Delta R.T. -0.01 min

Lab File: VD061653.D

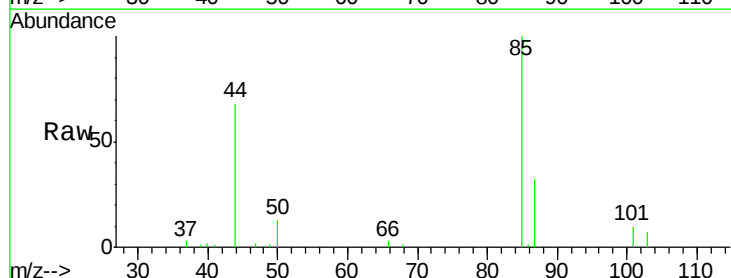
Acq: 8 Apr 2019 16:16

Tgt Ion: 85 Resp: 119464

Ion Ratio Lower Upper

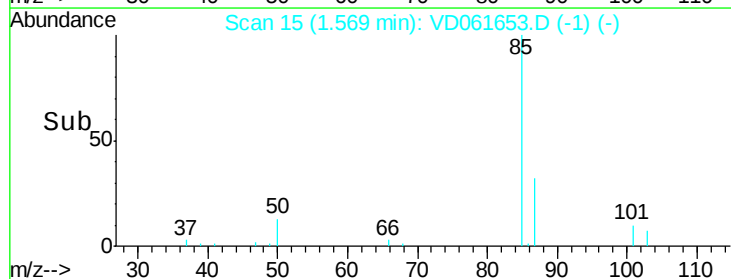
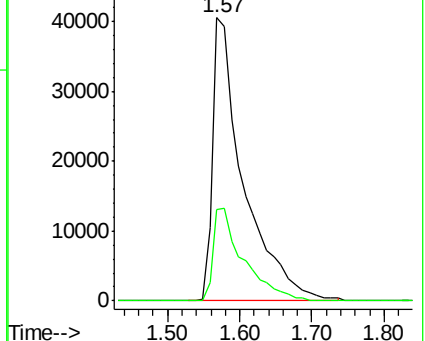
85 100

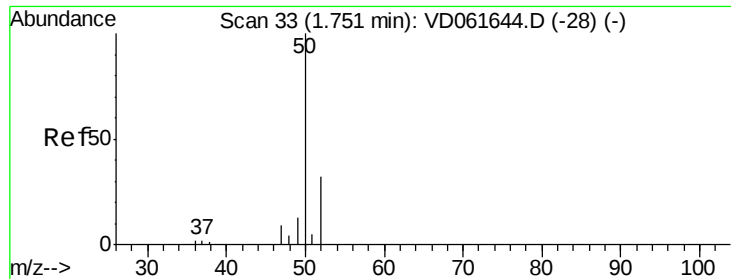
87 32.1 16.6 49.8



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC

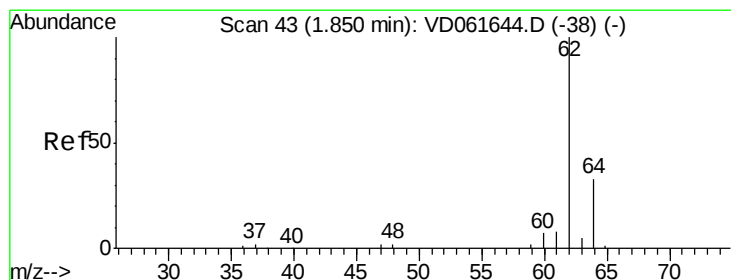
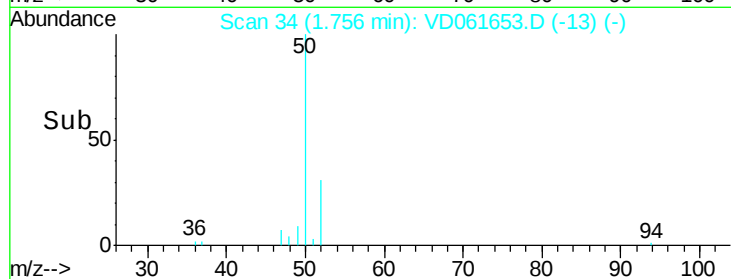
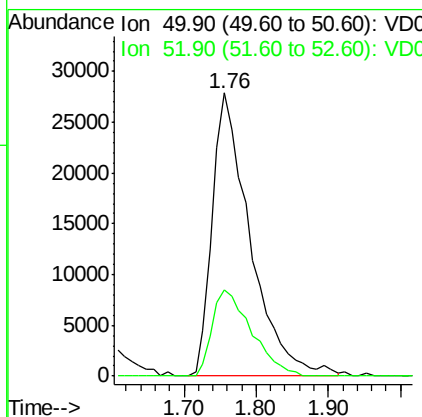
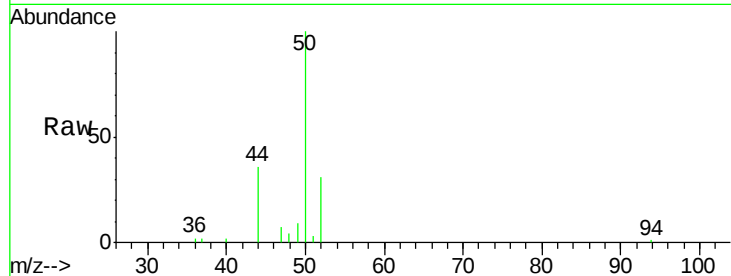




#3
Chloromethane
Concen: 19.739 ug/l
RT: 1.76 min Scan# 34
Delta R.T. 0.00 min
Lab File: VD061653.D
Acq: 8 Apr 2019 16:16

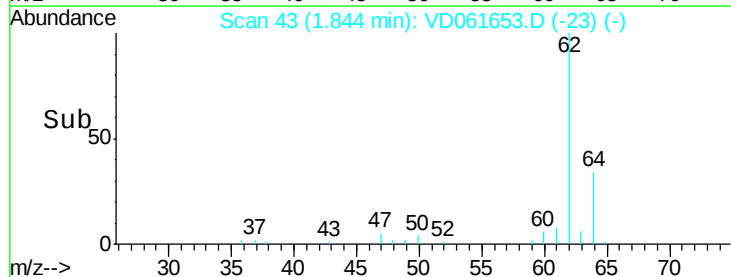
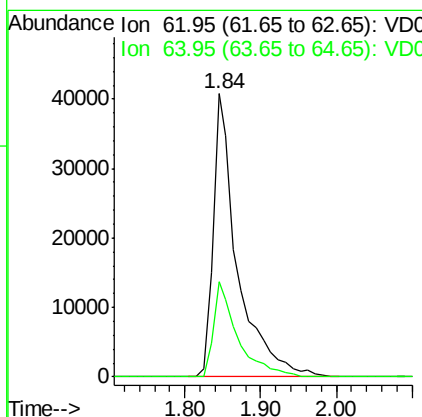
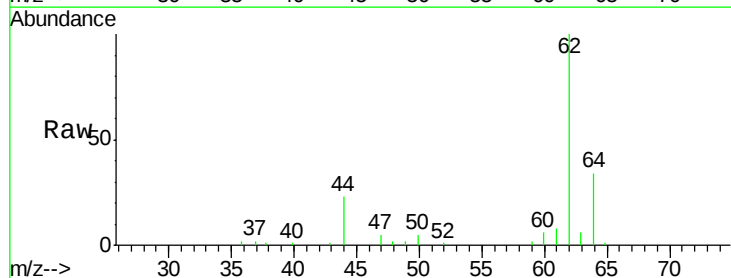
Instrument :
MSVOA_D
ClientSampleId :

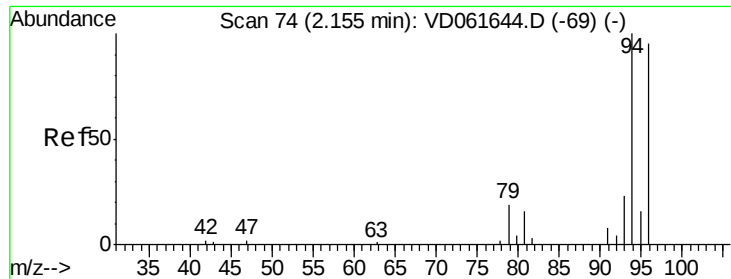
Tot Ion: 50 Resp: 101338
Ion Ratio Lower Upper
50 100
52 30.6 25.1 37.7



#4
Vinyl Chloride
Concen: 19.056 ug/l
RT: 1.84 min Scan# 43
Delta R.T. -0.01 min
Lab File: VD061653.D
Acq: 8 Apr 2019 16:16

Tgt Ion: 62 Resp: 91415
Ion Ratio Lower Upper
62 100
64 33.7 26.2 39.2

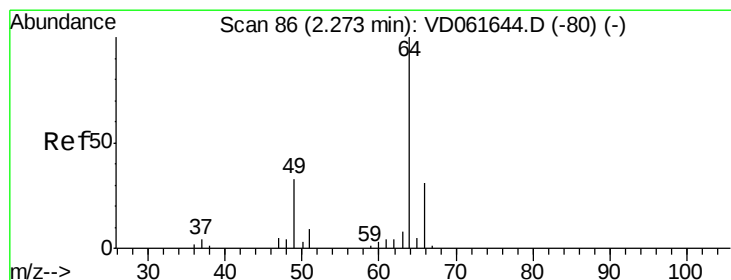
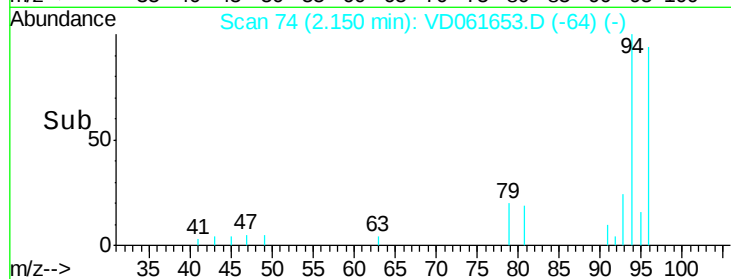
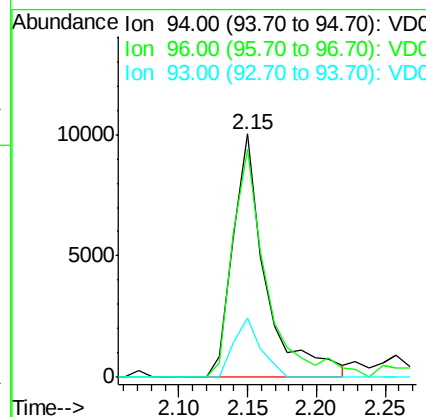
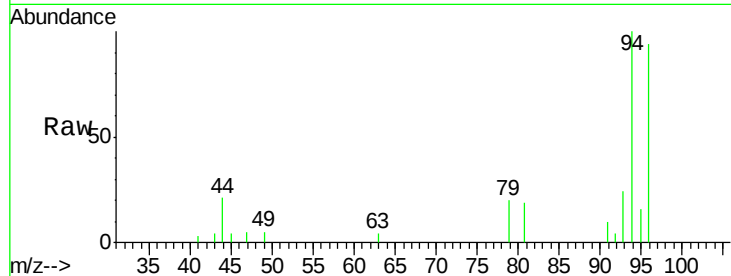




#5
Bromomethane
Concen: 14.911 ug/l
RT: 2.15 min Scan# 74
Delta R.T. -0.01 min
Lab File: VD061653.D
Acq: 8 Apr 2019 16:16

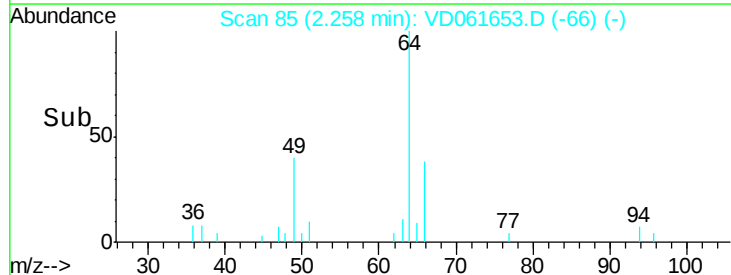
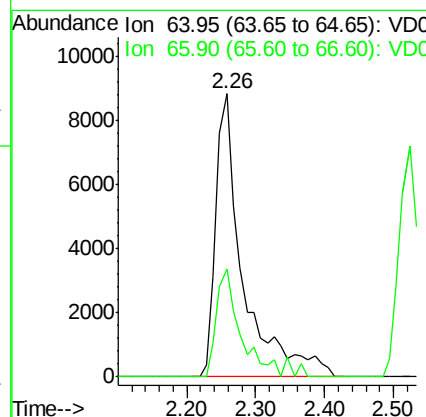
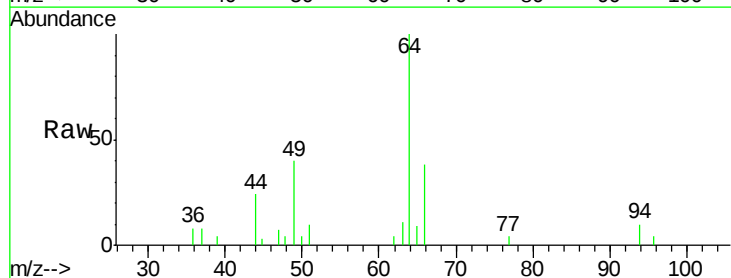
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MSVOA_D
ClientSampleId :

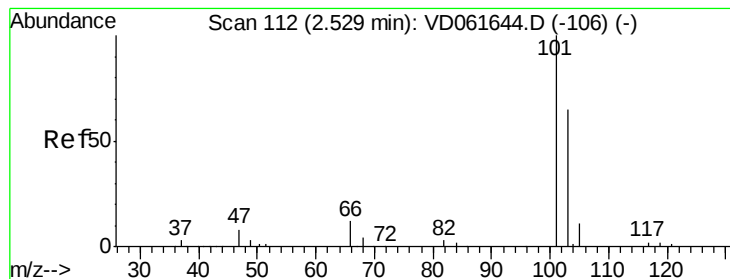
Tot Ion: 94 Resp: 16557
Ion Ratio Lower Upper
94 100
96 93.7 75.8 113.8
93 24.1 18.6 28.0



#6
Chloroethane
Concen: 16.107 ug/l
RT: 2.26 min Scan# 85
Delta R.T. -0.02 min
Lab File: VD061653.D
Acq: 8 Apr 2019 16:16

Tgt Ion: 64 Resp: 24202
Ion Ratio Lower Upper
64 100
66 38.2 24.9 37.3#



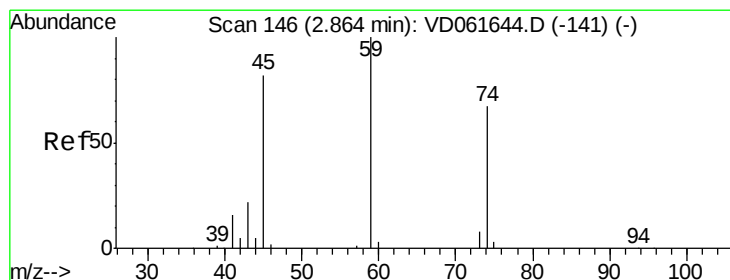
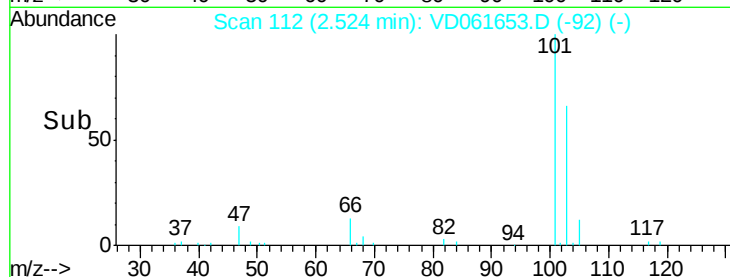
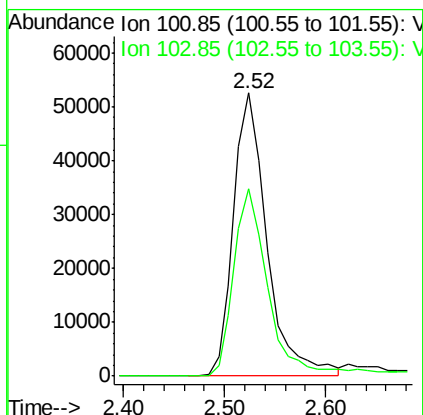
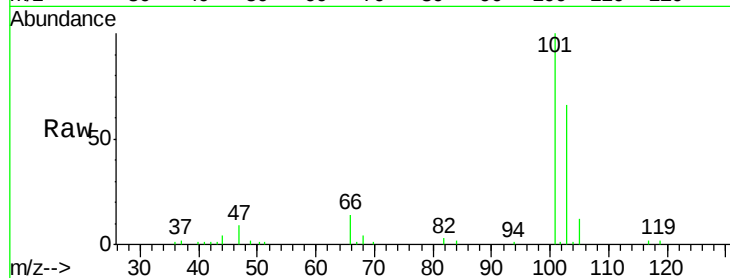


#7

Trichlorofluoromethane
 Concen: 16.825 ug/l
 RT: 2.52 min Scan# 112
 Delta R.T. -0.01 min
 Lab File: VD061653.D
 Acq: 8 Apr 2019 16:16

Instrument :
 MSVOA_D
 ClientSampleId :

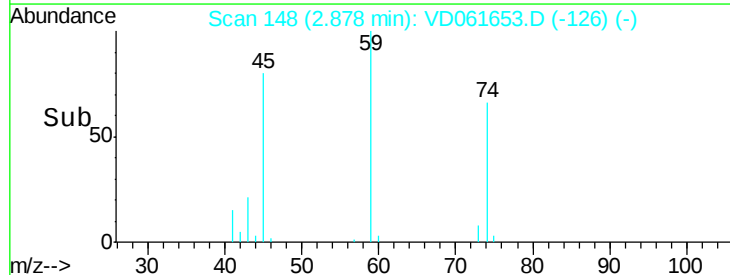
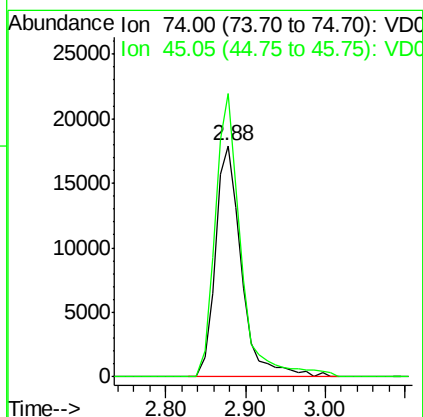
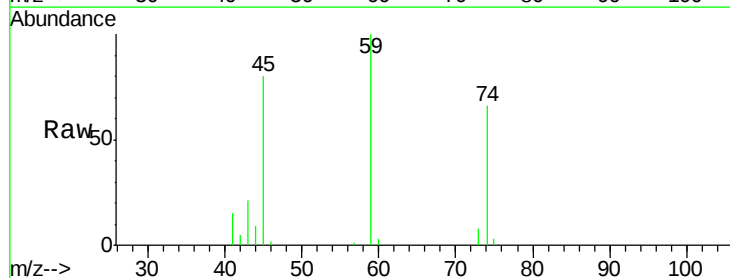
Tot Ion:101 Resp: 121870
 Ion Ratio Lower Upper
 101 100
 103 66.2 52.0 78.0

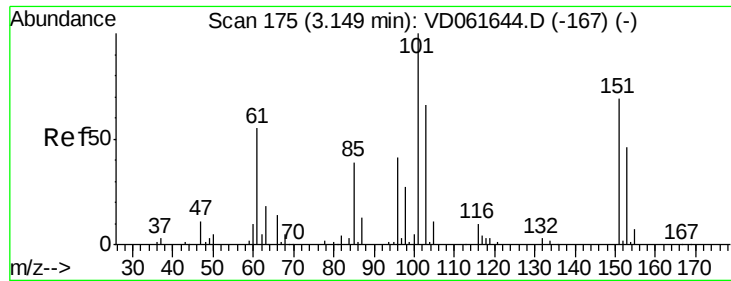


#8

Diethyl Ether
 Concen: 20.293 ug/l
 RT: 2.88 min Scan# 148
 Delta R.T. 0.01 min
 Lab File: VD061653.D
 Acq: 8 Apr 2019 16:16

Tgt Ion: 74 Resp: 41251
 Ion Ratio Lower Upper
 74 100
 45 122.3 61.0 183.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.002 ug/l

RT: 3.15 min Scan# 176

Delta R.T. 0.00 min

Lab File: VD061653.D

Acq: 8 Apr 2019 16:16

Instrument :

MSVOA_D

ClientSampleId :

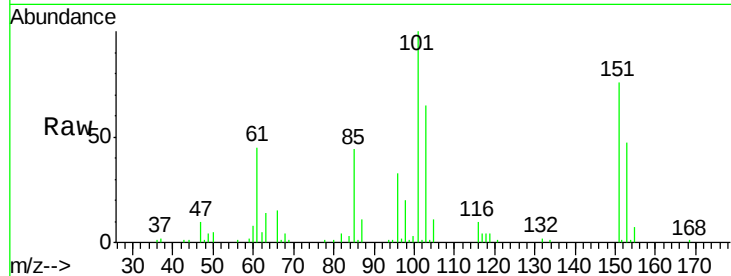
Tot Ion:101 Resp: 142439

Ion Ratio Lower Upper

101 100

85 43.5 31.0 46.6

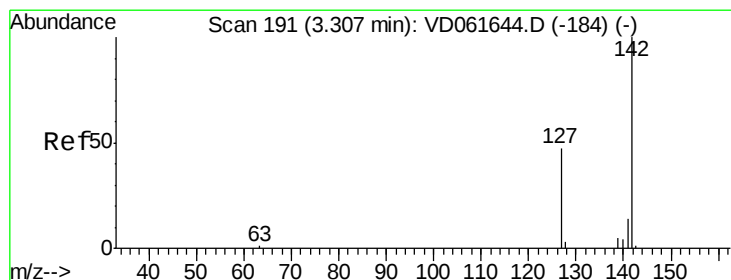
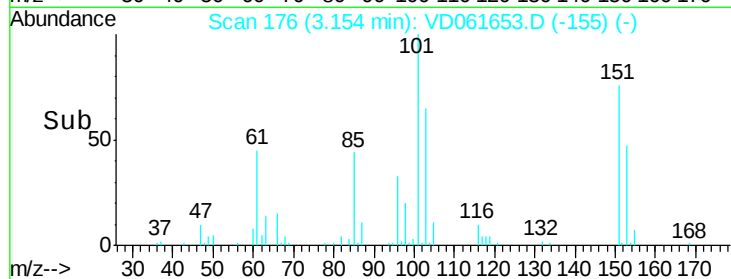
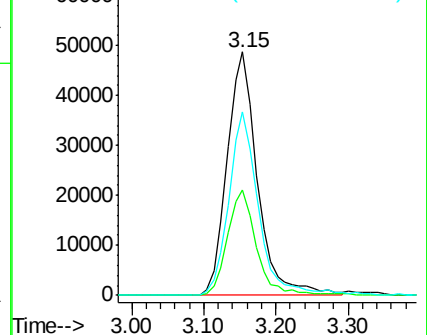
151 75.5 55.3 82.9



Abundance Ion 100.85 (100.55 to 101.55): V

Ion 84.95 (84.65 to 85.65): V

Ion 150.90 (150.60 to 151.60): V



#10

Methyl Iodide

Concen: 16.994 ug/l

RT: 3.31 min Scan# 192

Delta R.T. 0.01 min

Lab File: VD061653.D

Acq: 8 Apr 2019 16:16

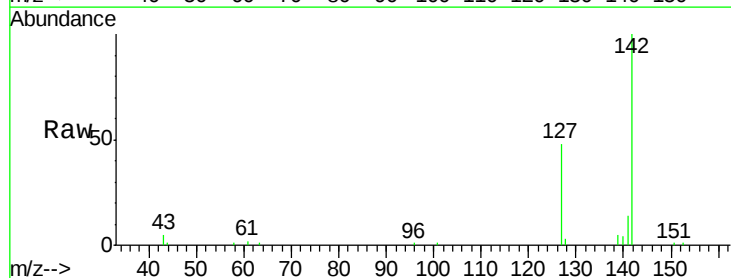
Tgt Ion:142 Resp: 152834

Ion Ratio Lower Upper

142 100

127 48.0 37.2 55.8

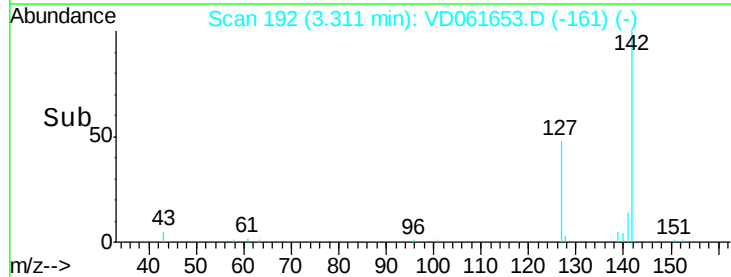
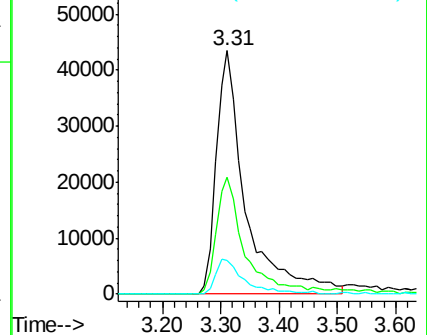
141 13.8 10.8 16.2

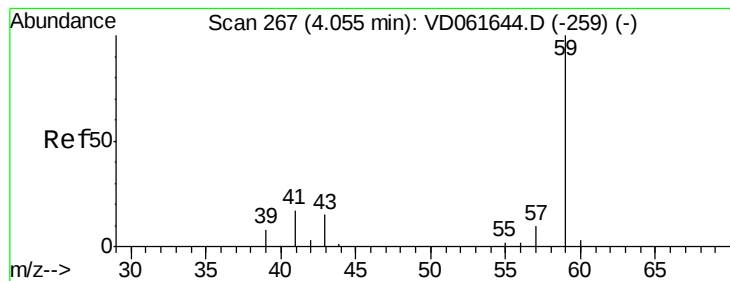


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



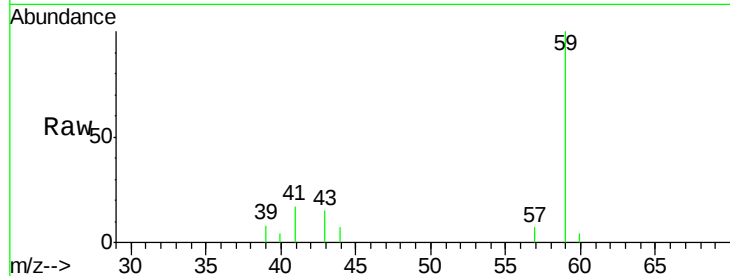


#11

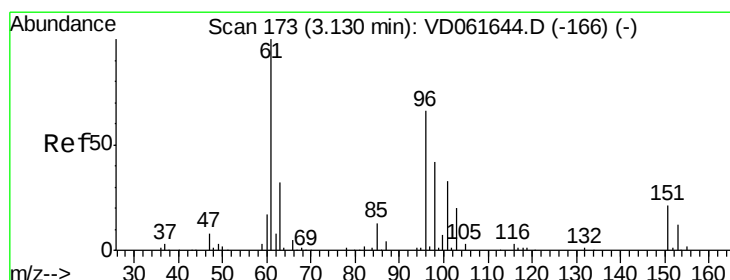
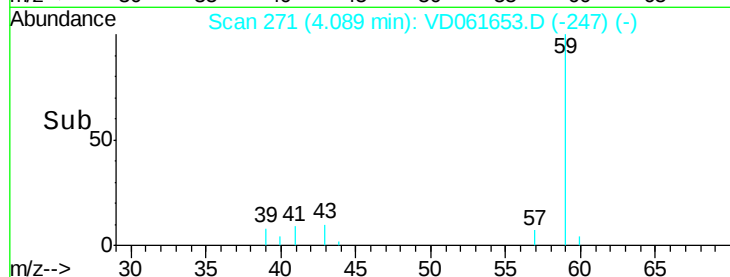
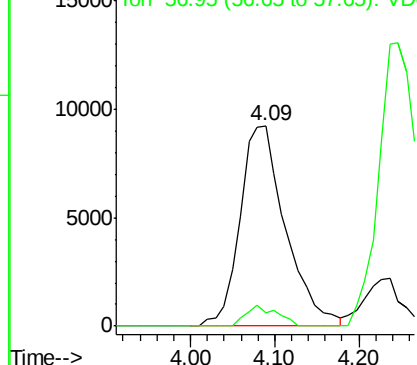
Tert butyl alcohol
 Concen: 116.915 ug/l
 RT: 4.09 min Scan# 271
 Delta R.T. 0.03 min
 Lab File: VD061653.D
 Acq: 8 Apr 2019 16:16

Instrument :
 MSVOA_D
 ClientSampleID :

Tot Ion: 59 Resp: 34975
 Ion Ratio Lower Upper
 59 100
 57 6.9 8.4 12.6#



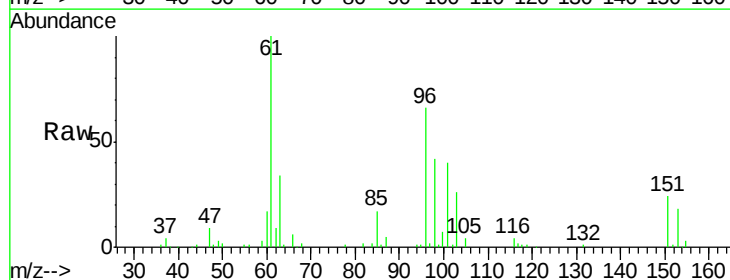
Abundance Ion 58.95 (58.65 to 59.65): VDC
 Ion 56.95 (56.65 to 57.65): VDC



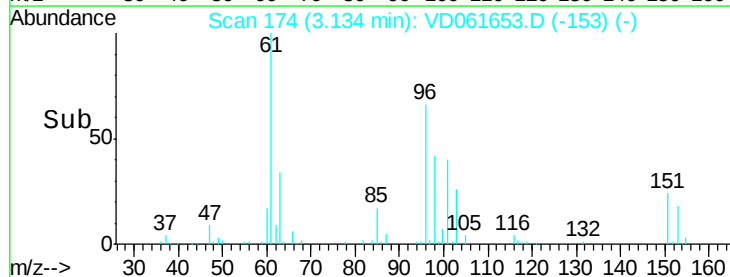
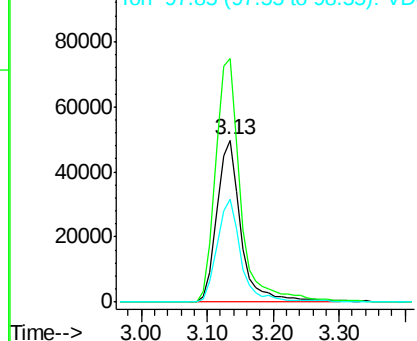
#12

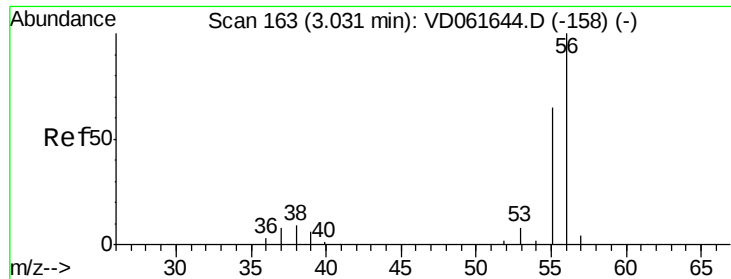
1,1-Dichloroethene
 Concen: 20.501 ug/l
 RT: 3.13 min Scan# 174
 Delta R.T. 0.00 min
 Lab File: VD061653.D
 Acq: 8 Apr 2019 16:16

Tgt Ion: 96 Resp: 125853
 Ion Ratio Lower Upper
 96 100
 61 150.5 121.3 181.9
 98 63.9 50.6 76.0



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





#13

Acrolein

Concen: 96.738 ug/l

RT: 3.04 min Scan# 164

Delta R.T. 0.00 min

Lab File: VD061653.D

Acq: 8 Apr 2019 16:16

Instrument :

MSVOA_D

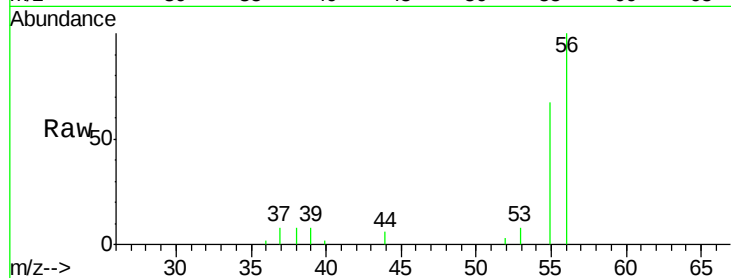
ClientSampleId :

Tot Ion: 56 Resp: 35283

Ion Ratio Lower Upper

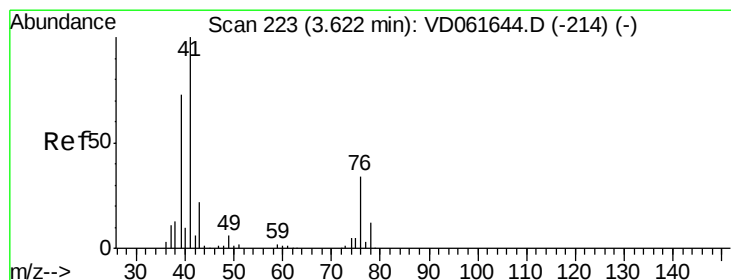
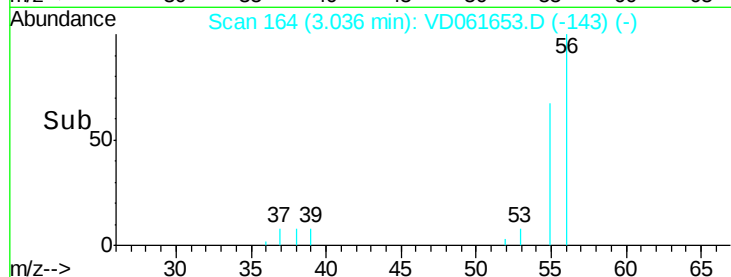
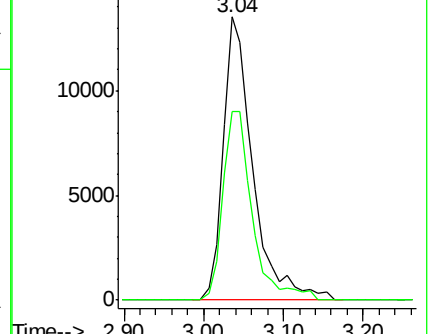
56 100

55 66.7 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: 19.120 ug/l

RT: 3.63 min Scan# 224

Delta R.T. 0.00 min

Lab File: VD061653.D

Acq: 8 Apr 2019 16:16

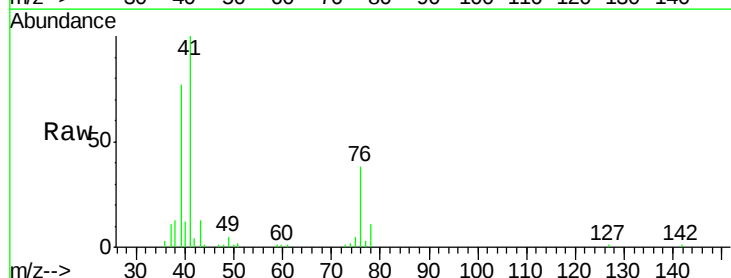
Tgt Ion: 41 Resp: 160091

Ion Ratio Lower Upper

41 100

39 76.7 58.2 87.4

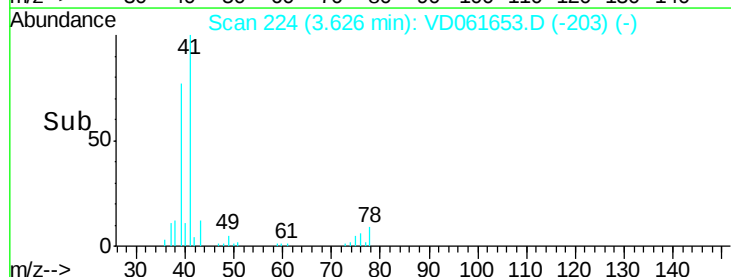
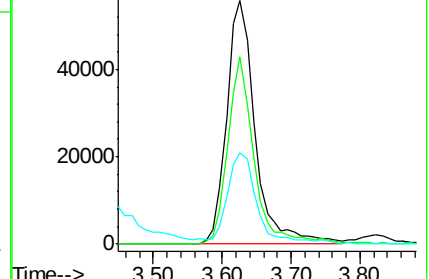
76 37.6 29.8 44.6

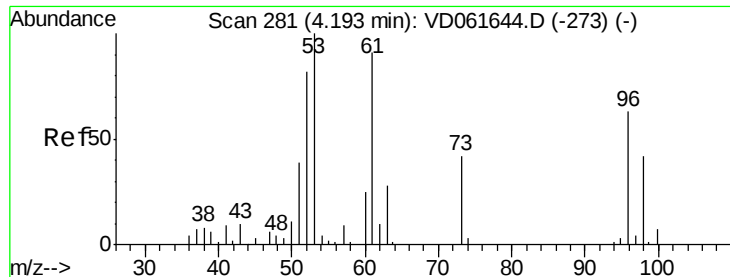


Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC





#15

Acrylonitrile

Concen: 98.785 ug/l

RT: 4.21 min Scan# 283

Delta R.T. 0.01 min

Lab File: VD061653.D

Acq: 8 Apr 2019 16:16

Instrument :
MSVOA_D
ClientSampleId :

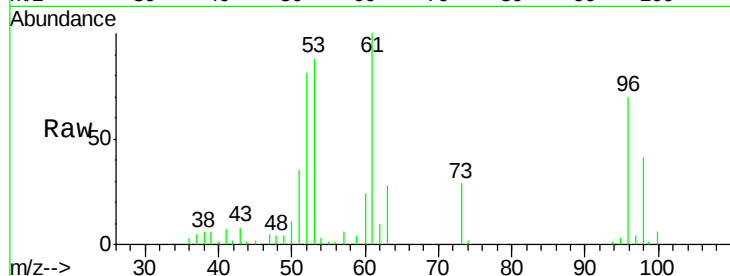
Tot Ion: 53 Resp: 101726

Ion Ratio Lower Upper

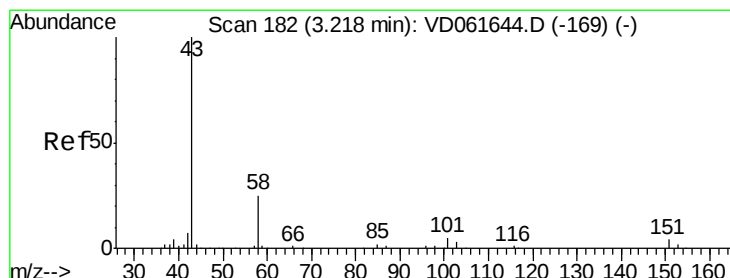
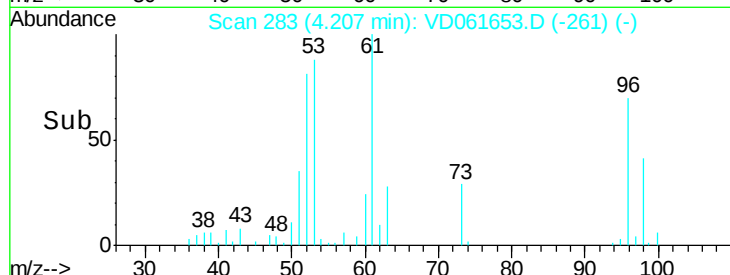
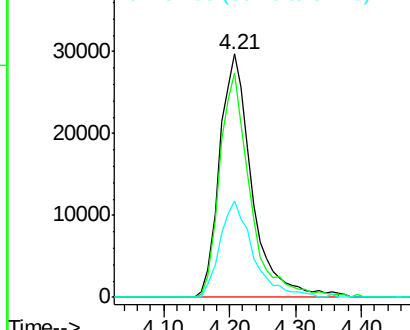
53 100

52 92.1 65.9 98.9

51 39.9 31.4 47.2



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



#16

Acetone

Concen: 97.336 ug/l

RT: 3.22 min Scan# 183

Delta R.T. 0.00 min

Lab File: VD061653.D

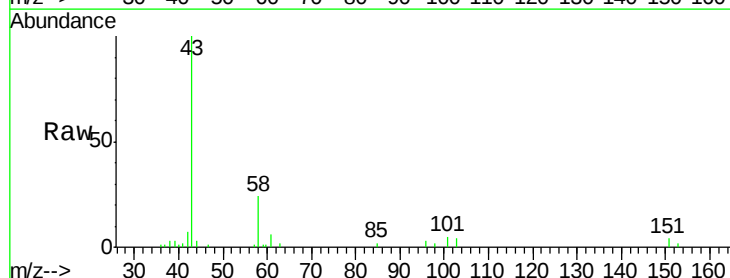
Acq: 8 Apr 2019 16:16

Tgt Ion: 43 Resp: 129879

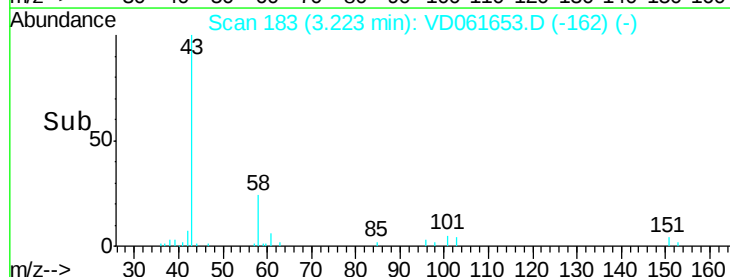
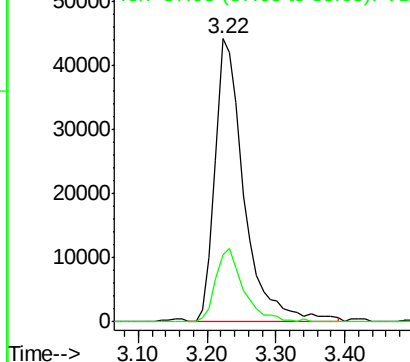
Ion Ratio Lower Upper

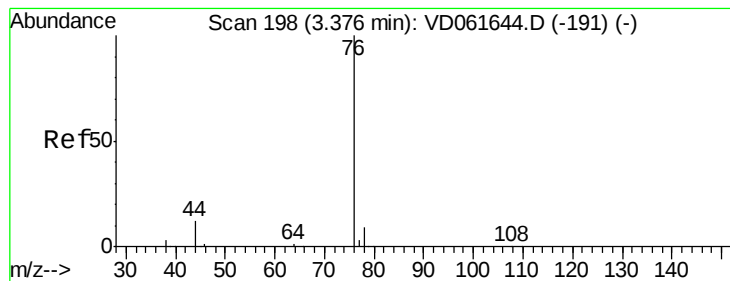
43 100

58 23.7 19.7 29.5



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





#17

Carbon Disulfide

Concen: 19.223 ug/l

RT: 3.38 min Scan# 199

Delta R.T. 0.00 min

Lab File: VD061653.D

Acq: 8 Apr 2019 16:16

Instrument :

MSVOA_D

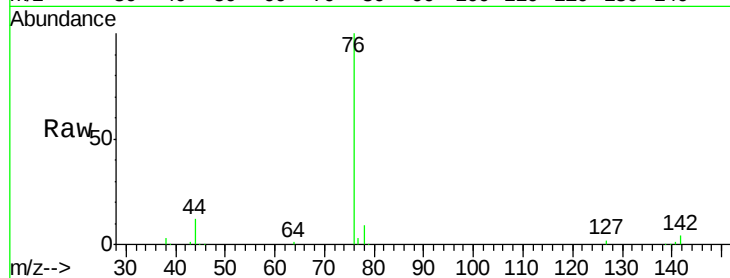
ClientSampleId :

Tot Ion: 76 Resp: 383457

Ion Ratio Lower Upper

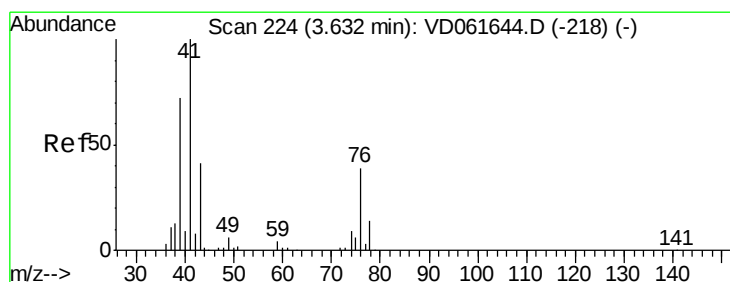
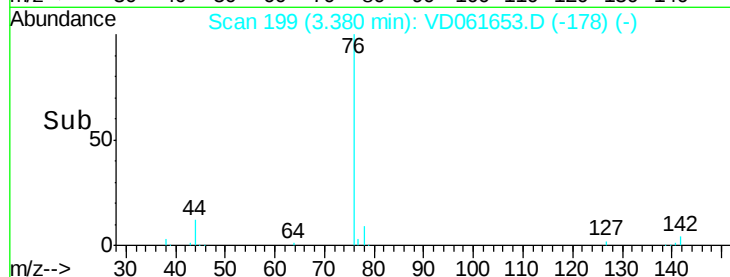
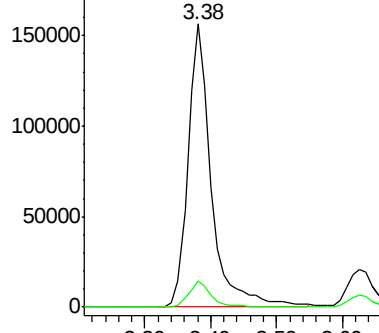
76 100

78 9.3 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: 21.613 ug/l

RT: 3.65 min Scan# 226

Delta R.T. 0.01 min

Lab File: VD061653.D

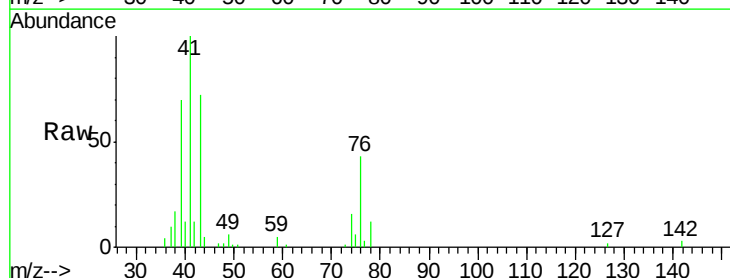
Acq: 8 Apr 2019 16:16

Tgt Ion: 43 Resp: 54260

Ion Ratio Lower Upper

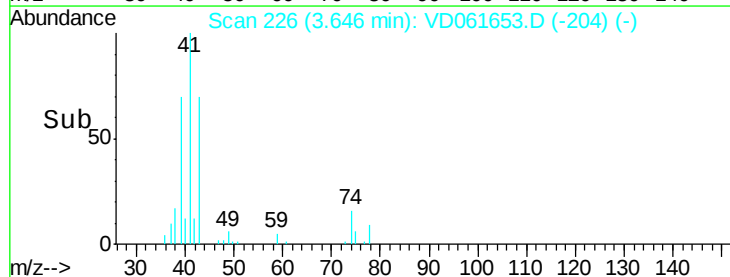
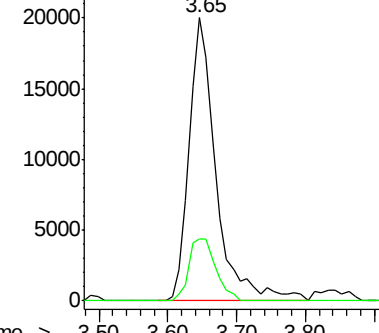
43 100

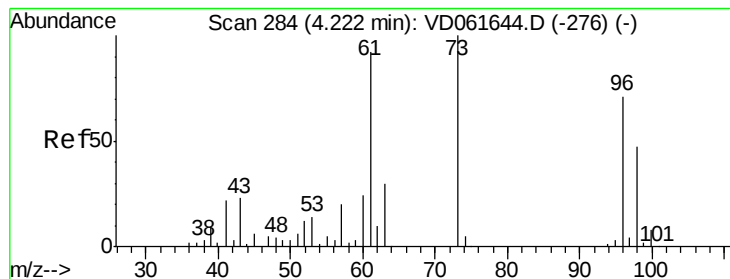
74 21.8 18.2 27.2



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC



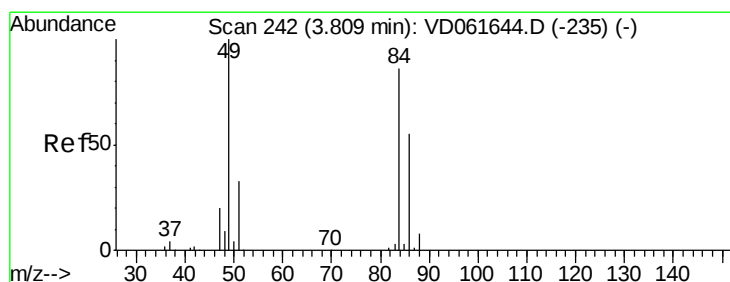
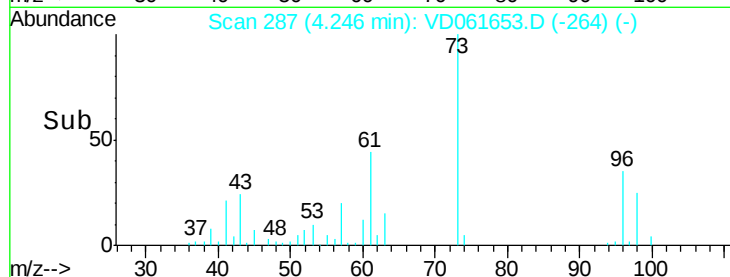
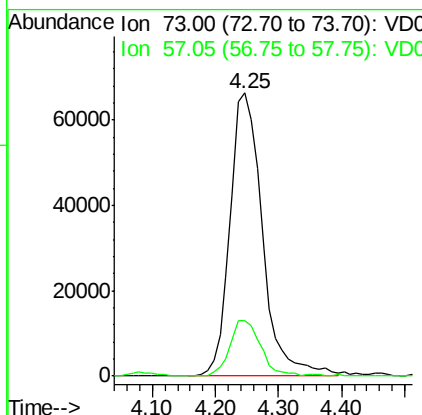
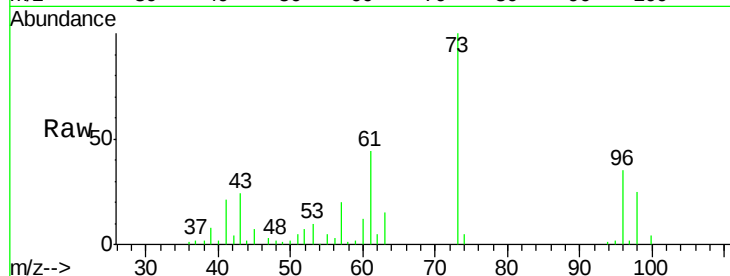


#19

Methvl tert-butvl Ether
 Concen: 22.263 ug/l
 RT: 4.25 min Scan# 287
 Delta R.T. 0.02 min
 Lab File: VD061653.D
 Acq: 8 Apr 2019 16:16

Instrument :
 MSVOA_D
 ClientSampleId :

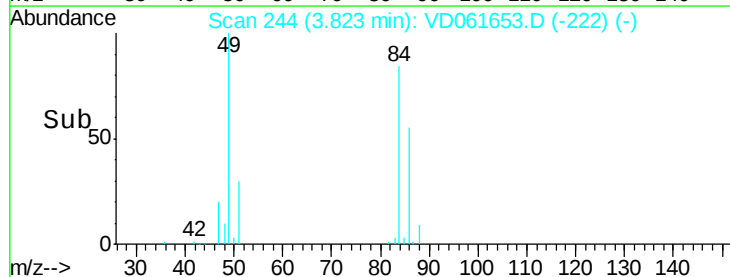
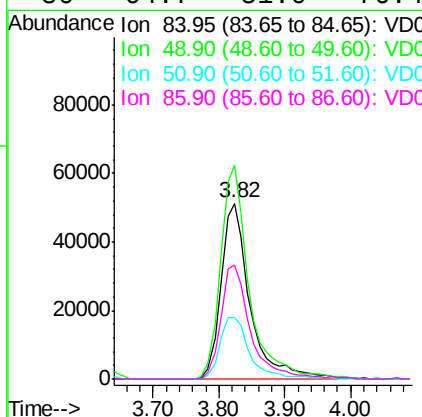
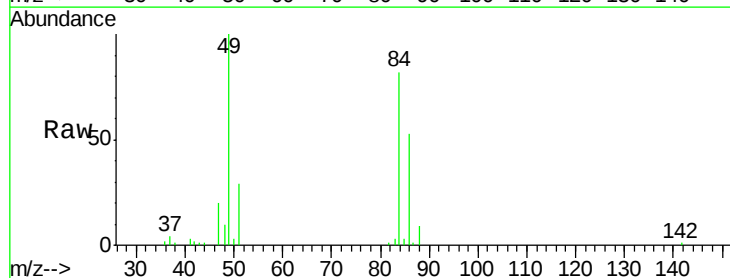
Tot Ion: 73 Resp: 236645
 Ion Ratio Lower Upper
 73 100
 57 19.7 16.0 24.0

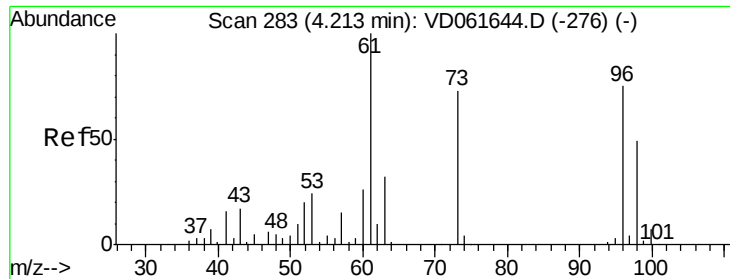


#20

Methylene Chloride
 Concen: 20.752 ug/l
 RT: 3.82 min Scan# 244
 Delta R.T. 0.02 min
 Lab File: VD061653.D
 Acq: 8 Apr 2019 16:16

Tgt Ion: 84 Resp: 157131
 Ion Ratio Lower Upper
 84 100
 49 121.6 93.0 139.4
 51 35.3 30.4 45.6
 86 64.7 51.0 76.4





#21

trans-1,2-Dichloroethene

Concen: 19.597 ug/l

RT: 4.23 min Scan# 285

Delta R.T. 0.01 min

Lab File: VD061653.D

Acq: 8 Apr 2019 16:16

Instrument :

MSVOA_D

ClientSampleId :

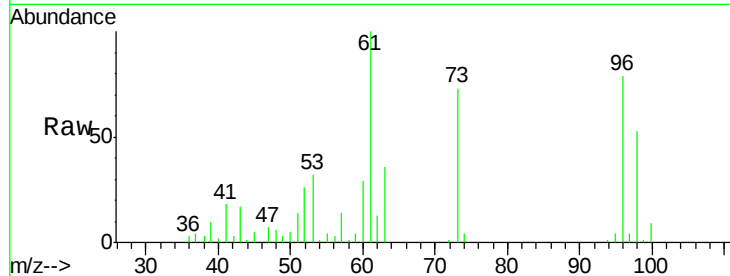
Tot Ion: 96 Resp: 130667

Ion Ratio Lower Upper

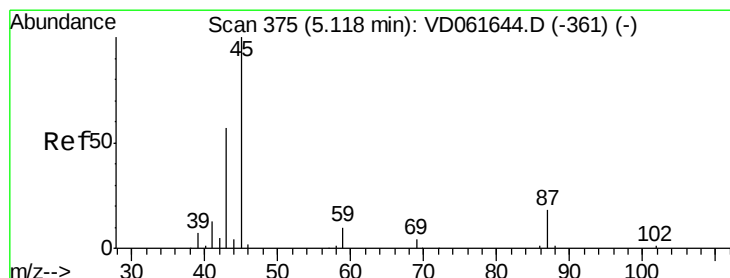
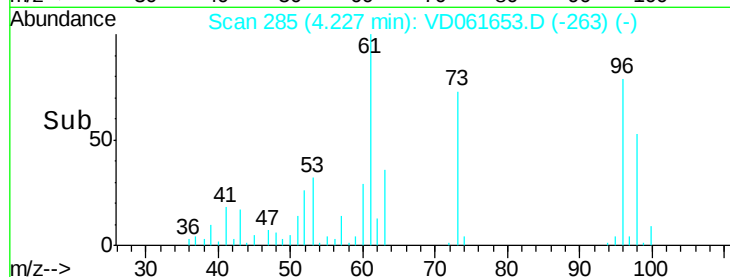
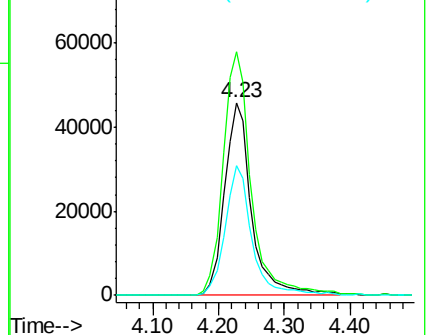
96 100

61 126.4 106.8 160.2

98 67.3 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: 20.660 ug/l

RT: 5.13 min Scan# 377

Delta R.T. 0.01 min

Lab File: VD061653.D

Acq: 8 Apr 2019 16:16

Tgt Ion: 45 Resp: 362692

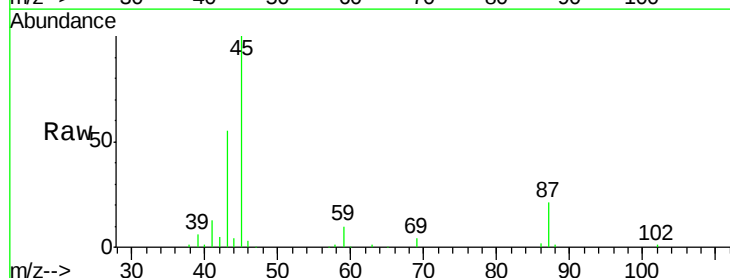
Ion Ratio Lower Upper

45 100

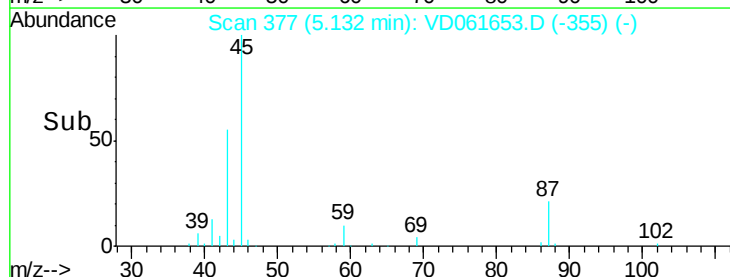
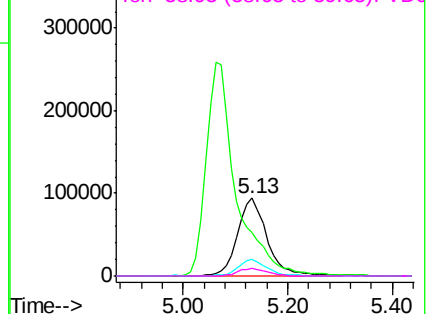
43 55.4 46.6 70.0

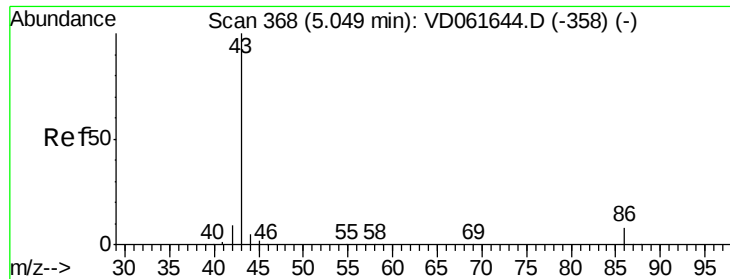
87 20.7 15.6 23.4

59 10.1 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: 105.161 ug/l

RT: 5.06 min Scan# 370

Delta R.T. 0.01 min

Lab File: VD061653.D

Acq: 8 Apr 2019 16:16

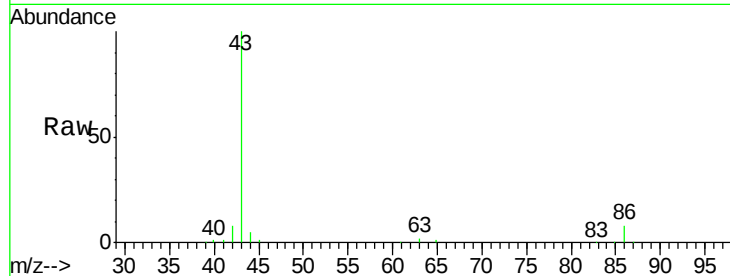
Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 43 Resp: 1018646

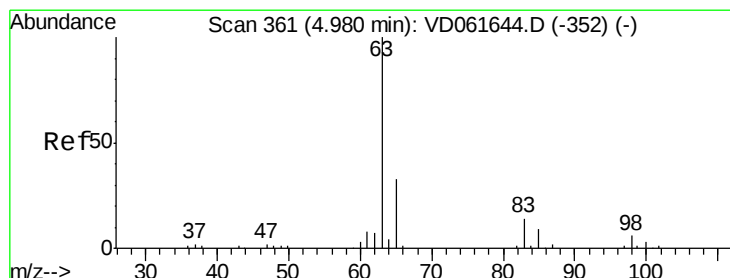
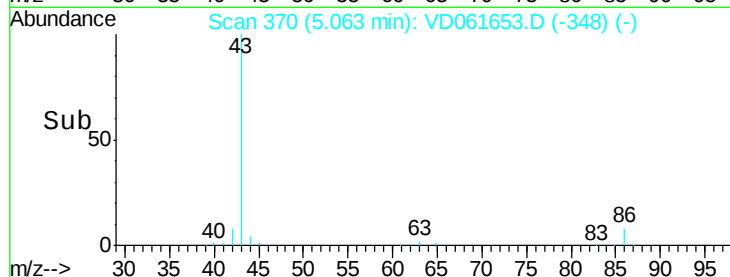
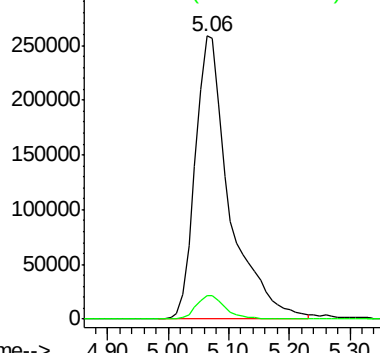
Ion Ratio Lower Upper

43 100

86 8.1 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: 18.911 ug/l

RT: 4.99 min Scan# 363

Delta R.T. 0.01 min

Lab File: VD061653.D

Acq: 8 Apr 2019 16:16

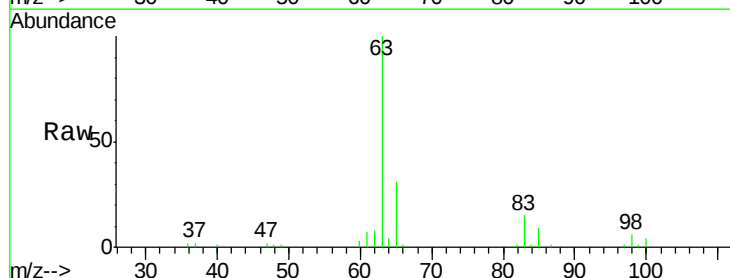
Tgt Ion: 63 Resp: 203436

Ion Ratio Lower Upper

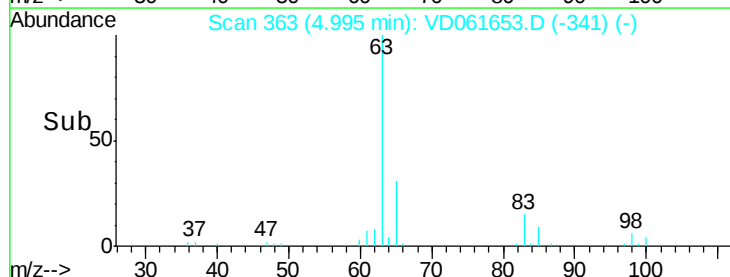
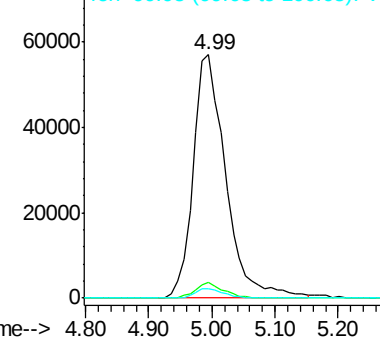
63 100

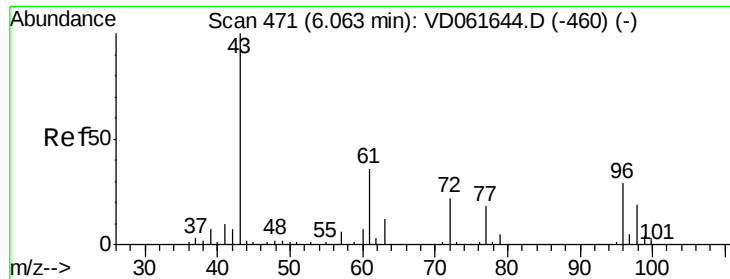
98 6.4 2.9 8.6

100 4.0 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: 109.815 ug/l

RT: 6.08 min Scan# 473

Delta R.T. 0.01 min

Lab File: VD061653.D

Acq: 8 Apr 2019 16:16

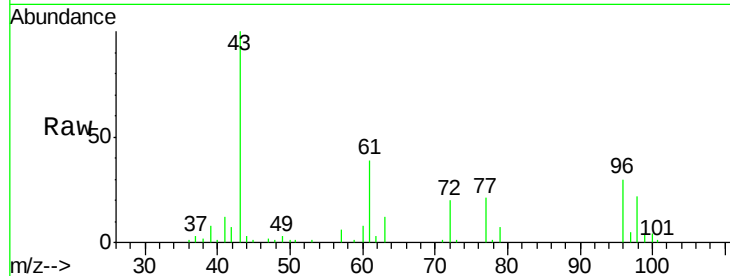
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 43 Resp: 168924

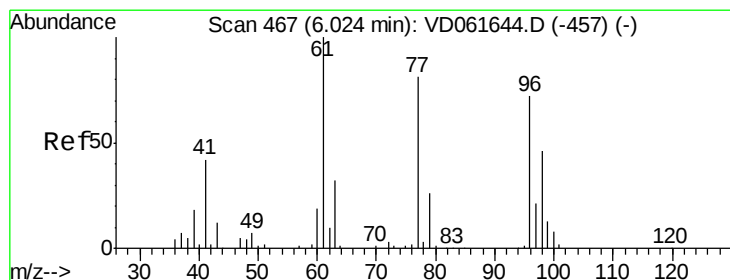
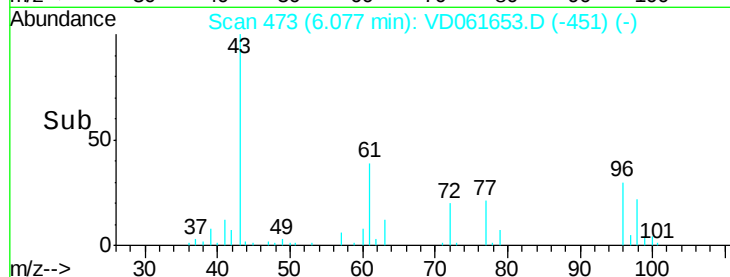
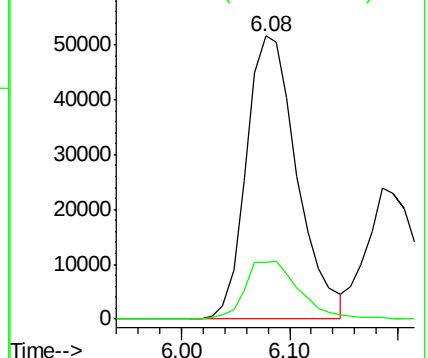
Ion Ratio Lower Upper

43 100

72 20.1 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: 20.192 ug/l

RT: 6.04 min Scan# 469

Delta R.T. 0.01 min

Lab File: VD061653.D

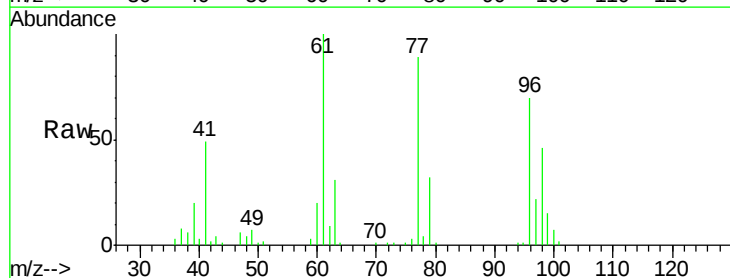
Acq: 8 Apr 2019 16:16

Tgt Ion: 77 Resp: 176872

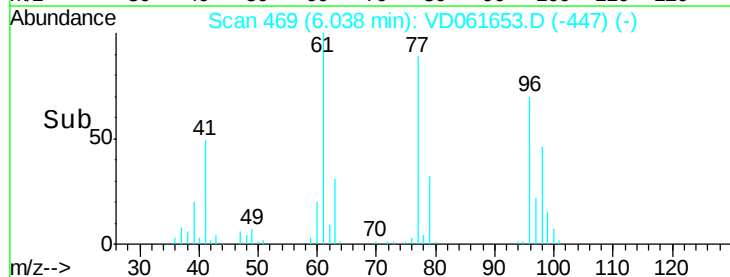
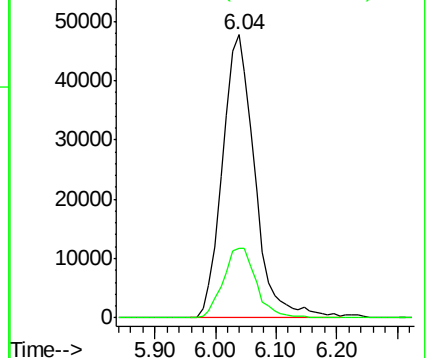
Ion Ratio Lower Upper

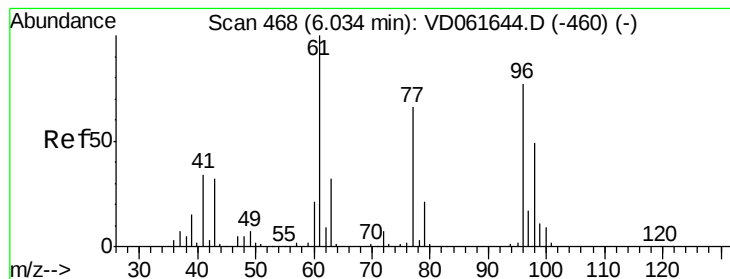
77 100

97 24.4 12.7 38.0



Abundance Ion 76.95 (76.65 to 77.65): VDC
Ion 96.85 (96.55 to 97.55): VDC



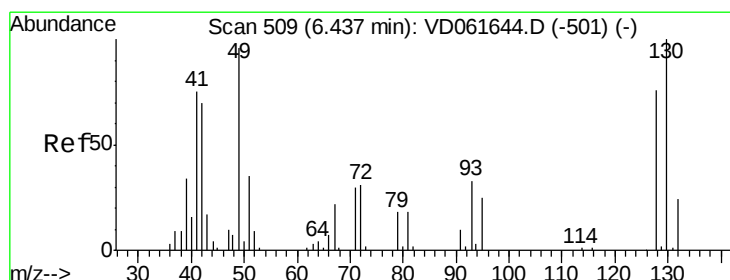
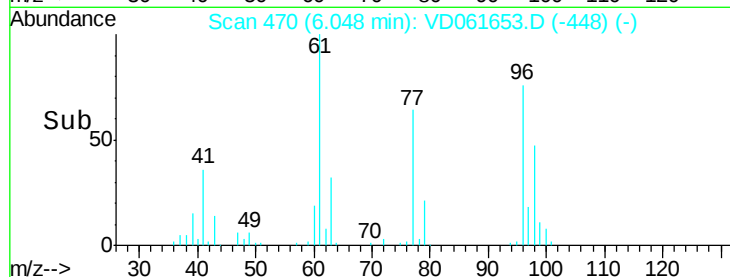
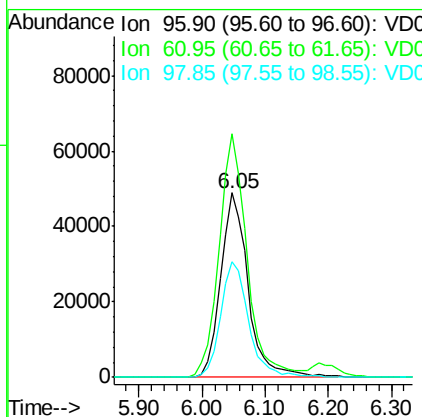
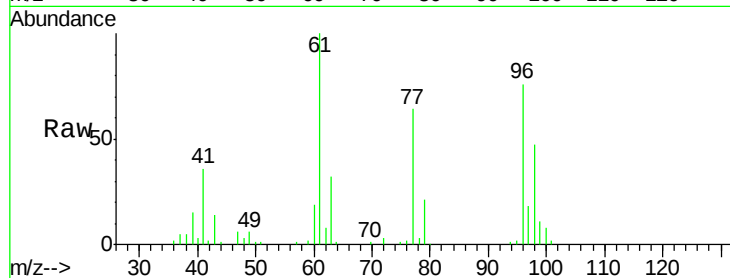


#27

cis-1,2-Dichloroethene
Concen: 20.832 ug/l
RT: 6.05 min Scan# 470
Delta R.T. 0.01 min
Lab File: VD061653.D
Acq: 8 Apr 2019 16:16

Instrument :
MSVOA_D
ClientSampleId :

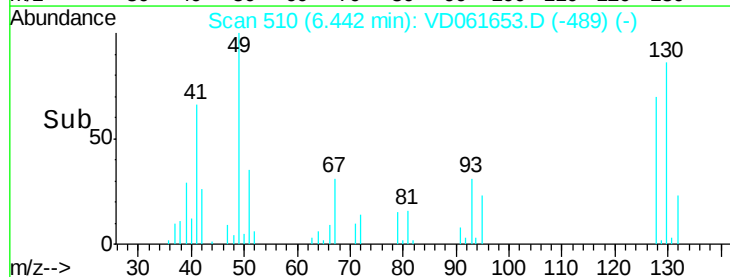
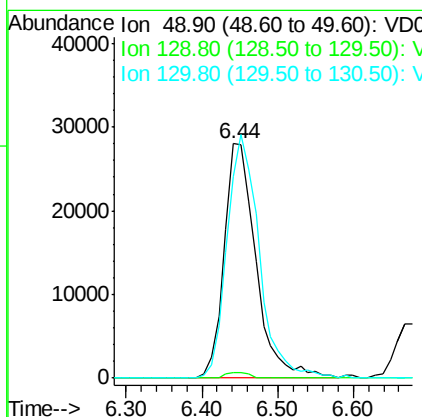
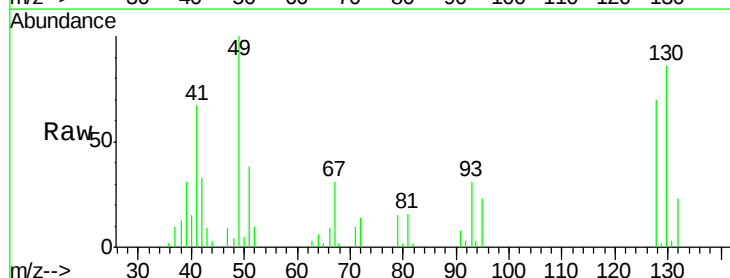
Tot Ion: 96 Resp: 148179
Ion Ratio Lower Upper
96 100
61 131.9 0.0 259.8
98 62.5 0.0 127.6

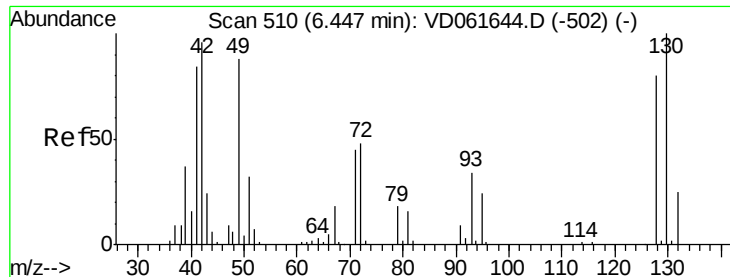


#28

Bromochloromethane
Concen: 20.499 ug/l
RT: 6.44 min Scan# 510
Delta R.T. 0.00 min
Lab File: VD061653.D
Acq: 8 Apr 2019 16:16

Tgt Ion: 49 Resp: 81345
Ion Ratio Lower Upper
49 100
129 2.4 0.0 4.0
130 85.8 83.3 124.9

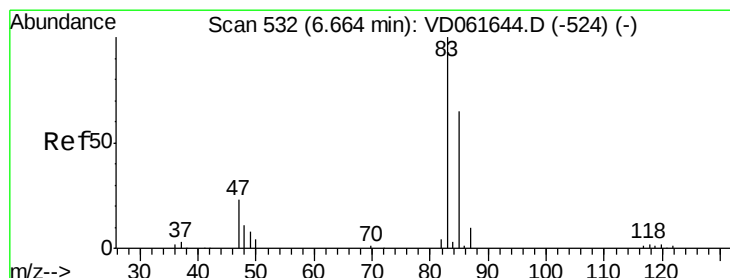
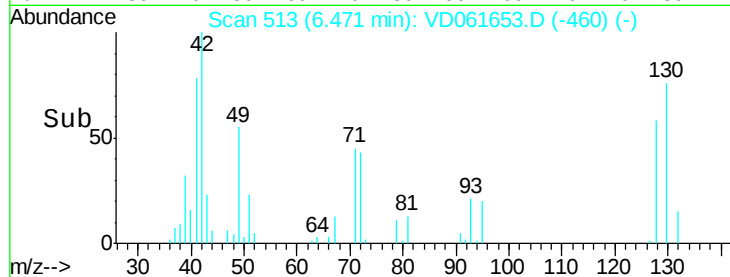
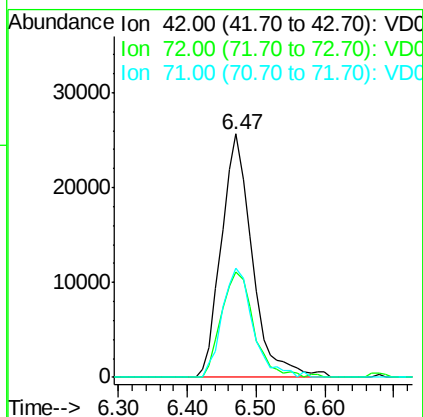
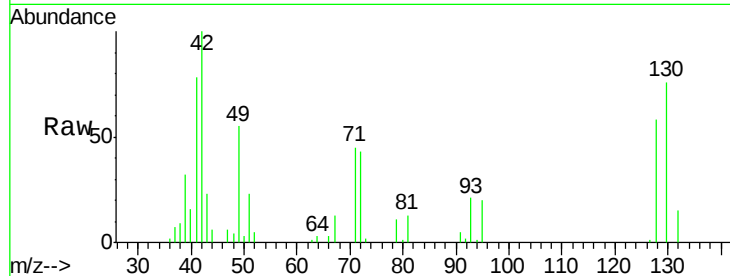




#29
Tetrahydrofuran
Concen: 107.403 ug/l
RT: 6.47 min Scan# 513
Delta R.T. 0.02 min
Lab File: VD061653.D
Acq: 8 Apr 2019 16:16

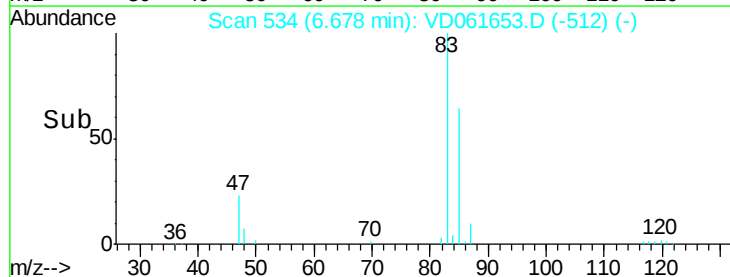
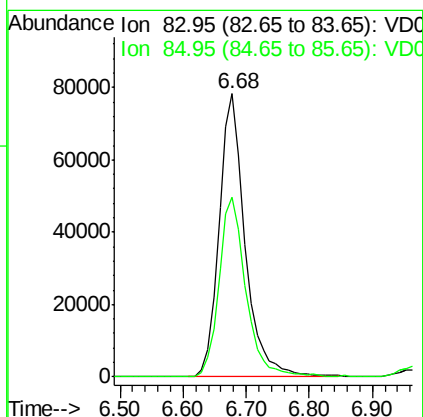
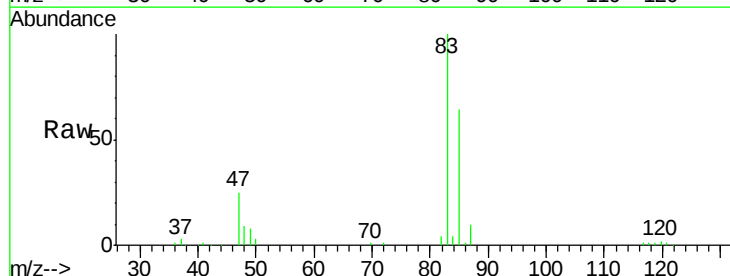
Instrument :
MSVOA_D
ClientSampleId :

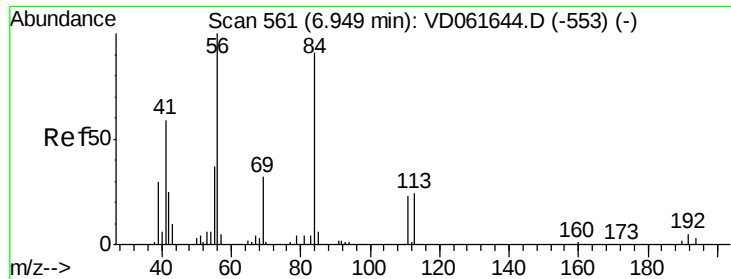
Tot Ion: 42 Resp: 79755
Ion Ratio Lower Upper
42 100
72 45.1 37.0 55.6
71 44.7 36.5 54.7



#30
Chloroform
Concen: 19.958 ug/l
RT: 6.68 min Scan# 534
Delta R.T. 0.01 min
Lab File: VD061653.D
Acq: 8 Apr 2019 16:16

Tgt Ion: 83 Resp: 224916
Ion Ratio Lower Upper
83 100
85 63.6 51.9 77.9

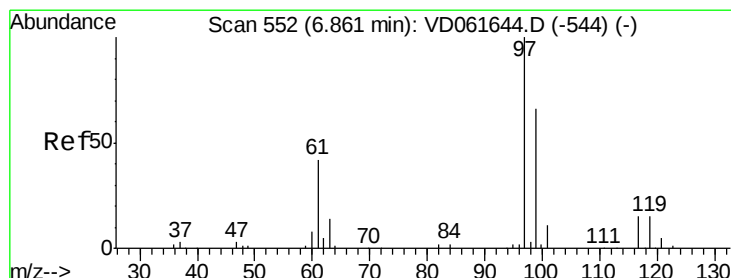
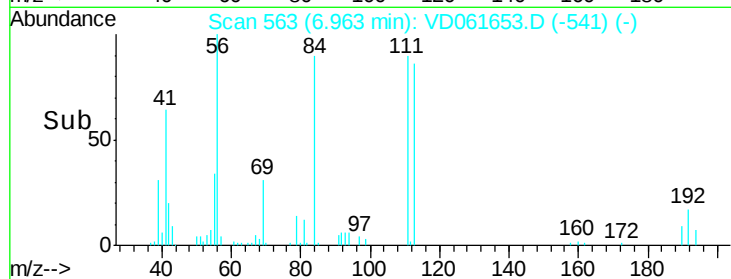
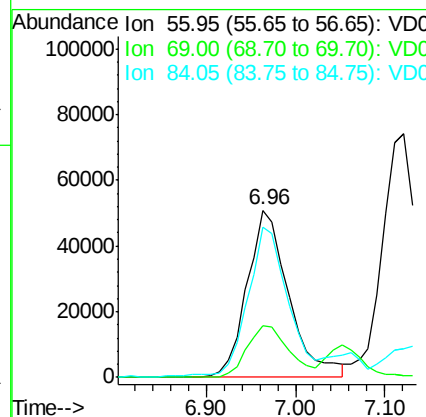
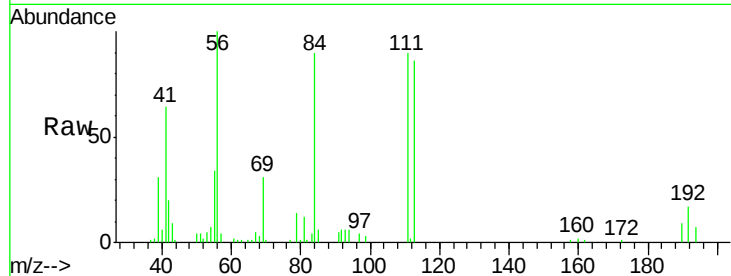




#31
Cvclohexane
Concen: 19.656 ug/l
RT: 6.96 min Scan# 563
Delta R.T. 0.01 min
Lab File: VD061653.D
Acq: 8 Apr 2019 16:16

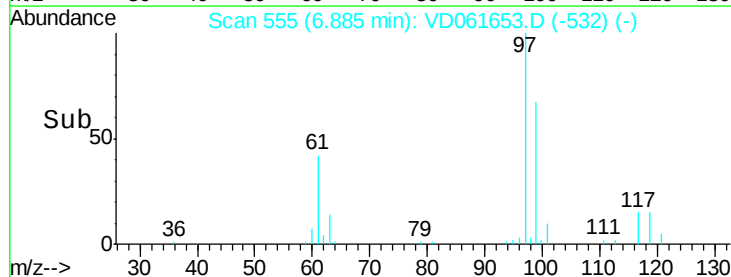
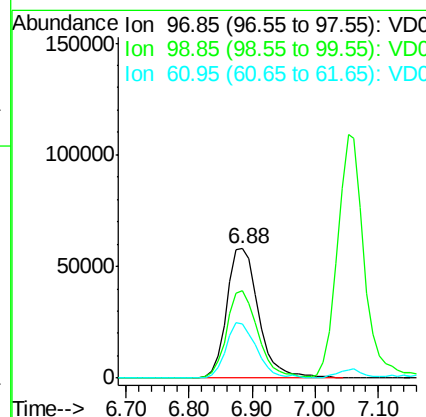
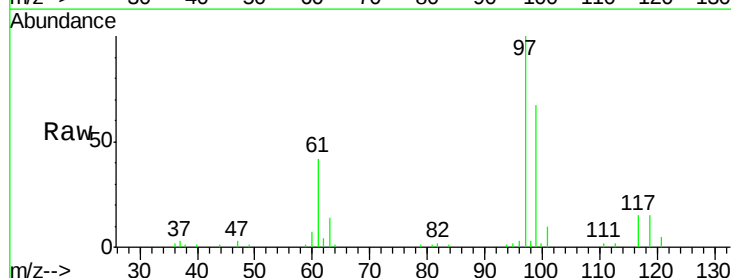
Instrument :
MSVOA_D
ClientSampleId :

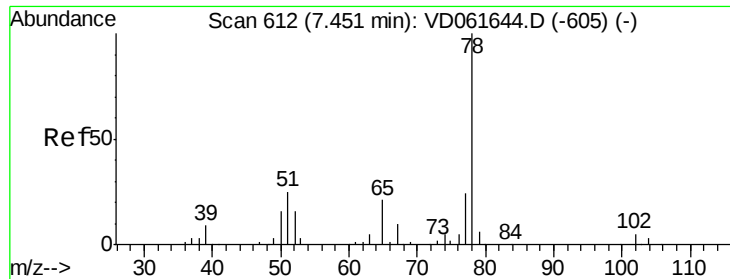
Tot Ion: 56 Resp: 165190
Ion Ratio Lower Upper
56 100
69 31.2 25.8 38.6
84 90.0 74.2 111.2



#32
1,1,1-Trichloroethane
Concen: 20.536 ug/l
RT: 6.88 min Scan# 555
Delta R.T. 0.02 min
Lab File: VD061653.D
Acq: 8 Apr 2019 16:16

Tgt Ion: 97 Resp: 202804
Ion Ratio Lower Upper
97 100
99 67.3 52.5 78.7
61 42.0 33.4 50.0





#33

1,2-Dichloroethane-d4

Concen: 20.536 ug/l

RT: 7.47 min Scan# 614

Delta R.T. 0.01 min

Lab File: VD061653.D

Acq: 8 Apr 2019 16:16

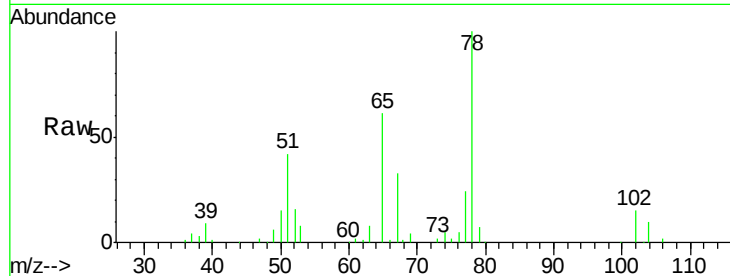
Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 65 Resp: 251422

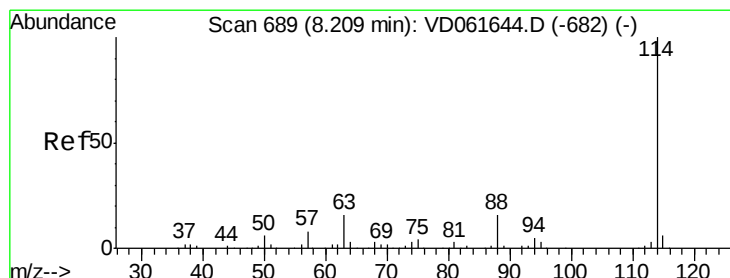
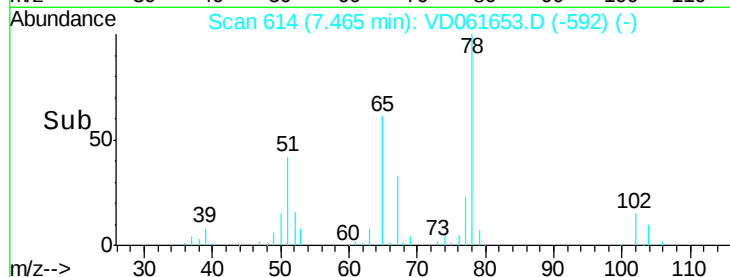
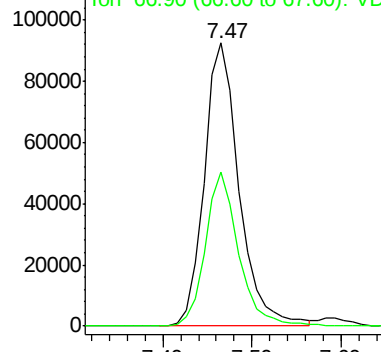
Ion Ratio Lower Upper

65 100

67 54.3 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: 8.23 min Scan# 692

Delta R.T. 0.02 min

Lab File: VD061653.D

Acq: 8 Apr 2019 16:16

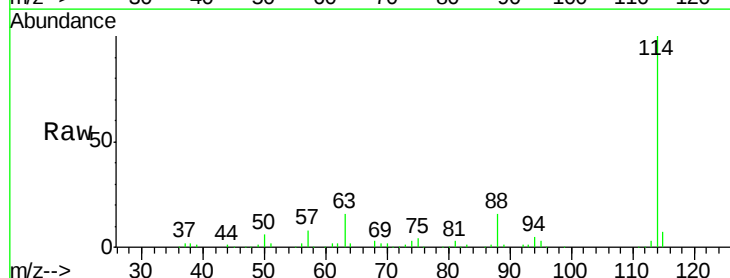
Tgt Ion: 114 Resp: 967275

Ion Ratio Lower Upper

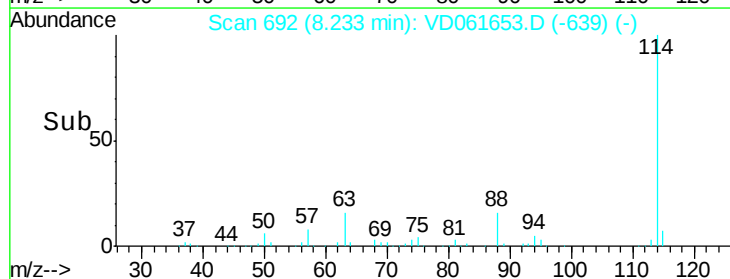
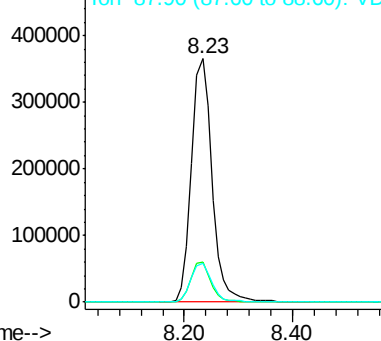
114 100

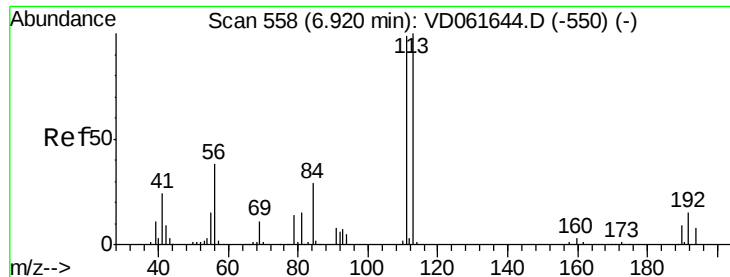
63 16.4 0.0 31.2

88 16.2 0.0 31.8



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

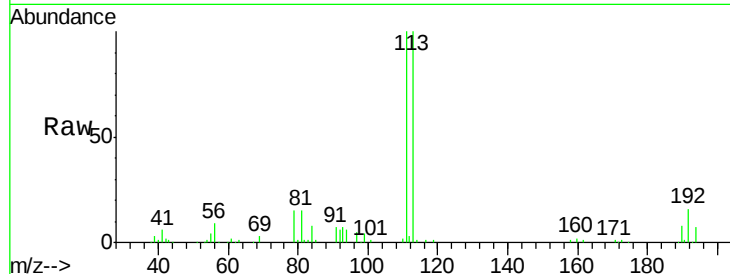




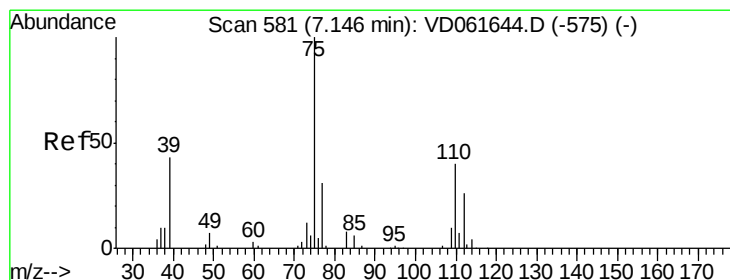
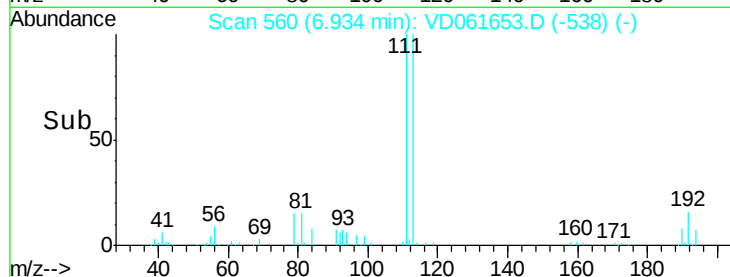
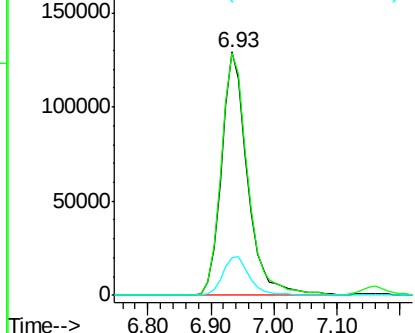
#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 6.93 min Scan# 560
 Delta R.T. 0.01 min
 Lab File: VD061653.D
 Acq: 8 Apr 2019 16:16

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:113 Resp: 369633
 Ion Ratio Lower Upper
 113 100
 111 99.5 79.3 118.9
 192 15.6 12.3 18.5

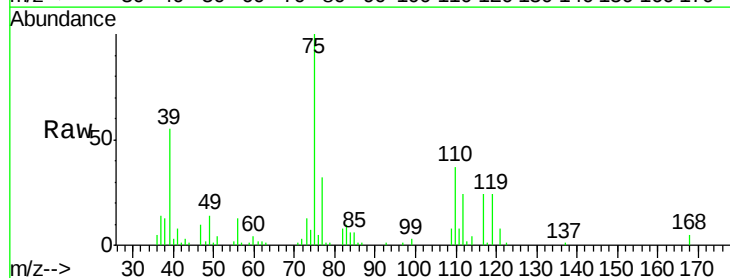


Abundance Ion 112.90 (112.60 to 113.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 191.80 (191.50 to 192.50): V

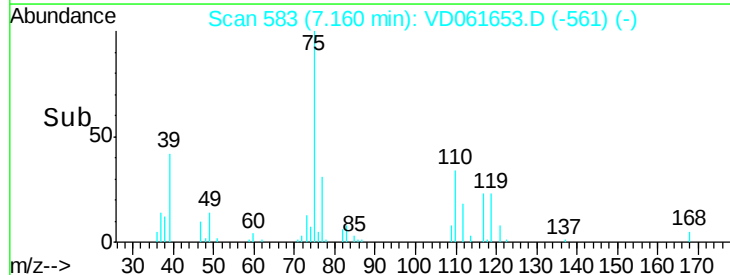
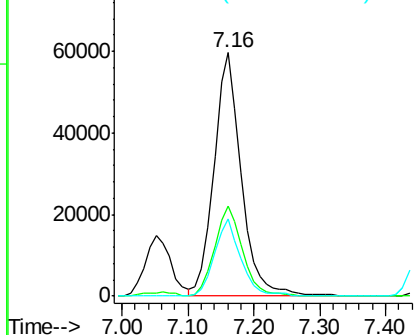


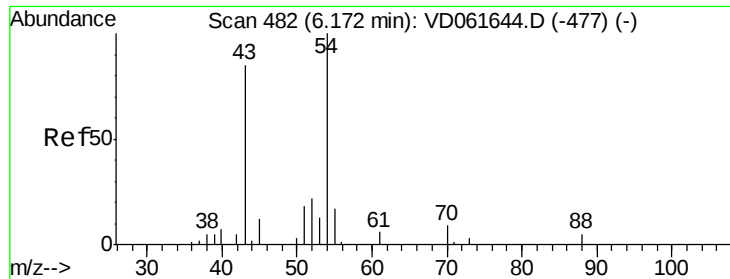
#36
 1,1-Dichloropropene
 Concen: 20.189 ug/l
 RT: 7.16 min Scan# 583
 Delta R.T. 0.01 min
 Lab File: VD061653.D
 Acq: 8 Apr 2019 16:16

Tgt Ion: 75 Resp: 170905
 Ion Ratio Lower Upper
 75 100
 110 36.9 19.7 59.0
 77 31.6 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

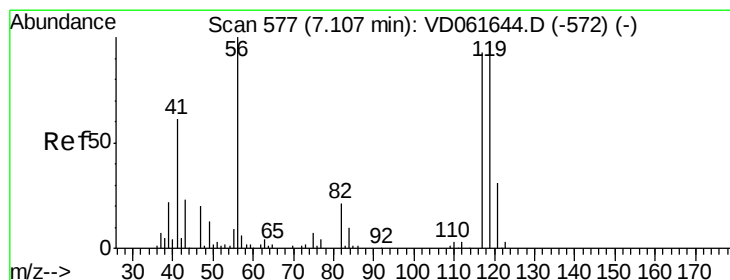
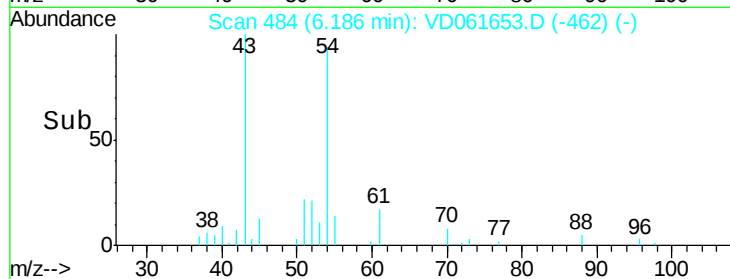
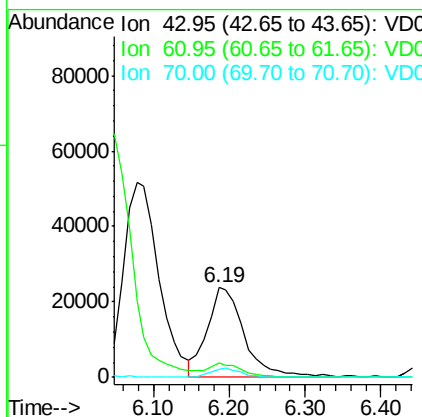
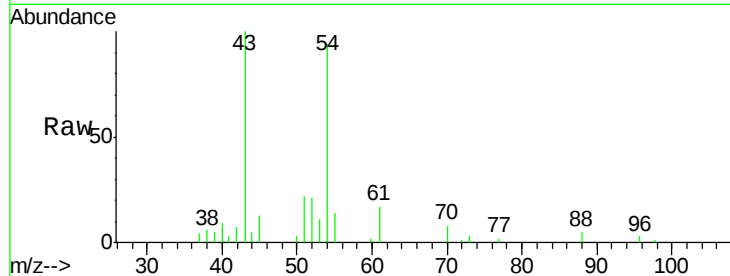




#37
Ethyl Acetate
Concen: 23.614 ug/l
RT: 6.19 min Scan# 484
Delta R.T. 0.01 min
Lab File: VD061653.D
Acq: 8 Apr 2019 16:16

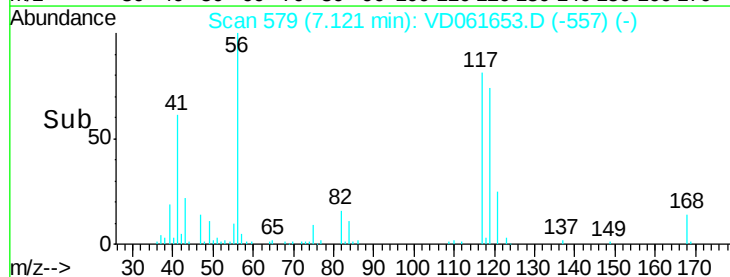
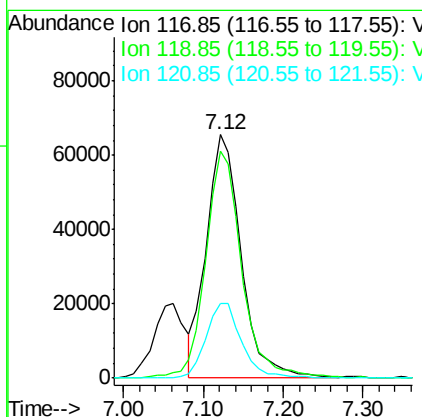
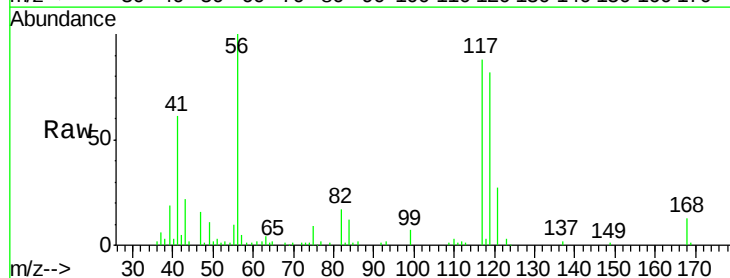
Instrument :
MSVOA_D
ClientSampled :

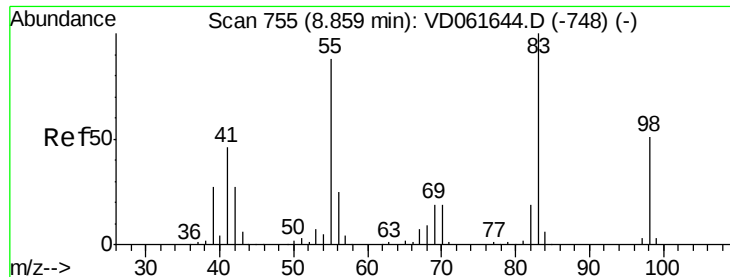
Tot Ion: 43 Resp: 81422
Ion Ratio Lower Upper
43 100
61 16.7 11.9 17.9
70 8.4 6.9 10.3



#38
Carbon Tetrachloride
Concen: 20.305 ug/l
RT: 7.12 min Scan# 579
Delta R.T. 0.01 min
Lab File: VD061653.D
Acq: 8 Apr 2019 16:16

Tgt Ion: 117 Resp: 201452
Ion Ratio Lower Upper
117 100
119 93.1 77.9 116.9
121 30.6 24.7 37.1

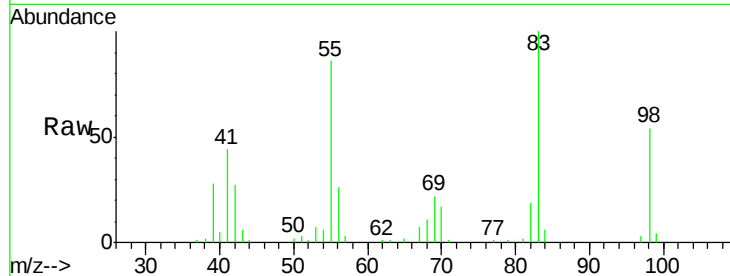




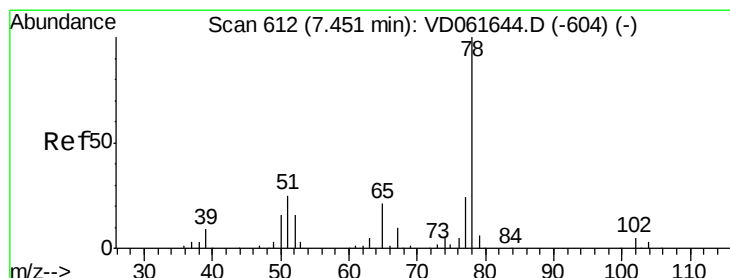
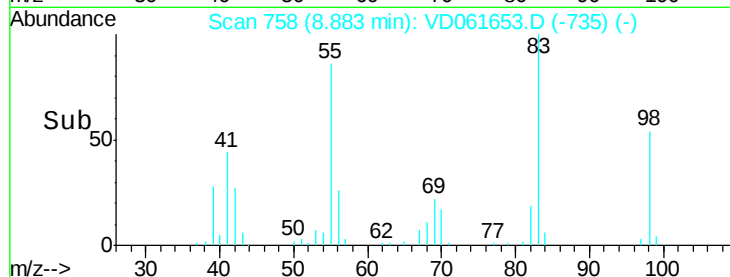
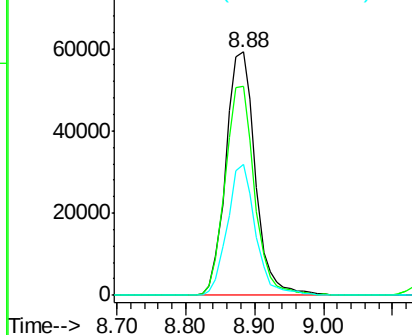
#39
Methvlcvclohexane
Concen: 20.151 ug/l
RT: 8.88 min Scan# 758
Delta R.T. 0.02 min
Lab File: VD061653.D
Acq: 8 Apr 2019 16:16

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 83 Resp: 175131
Ion Ratio Lower Upper
83 100
55 85.8 70.3 105.5
98 53.9 41.0 61.6

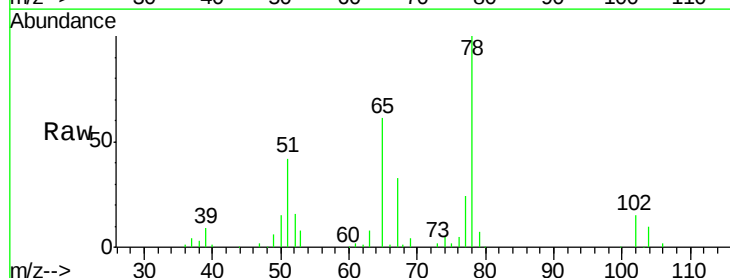


Abundance Ion 83.05 (82.75 to 83.75): VDC
Ion 55.00 (54.70 to 55.70): VDC
Ion 98.05 (97.75 to 98.75): VDC

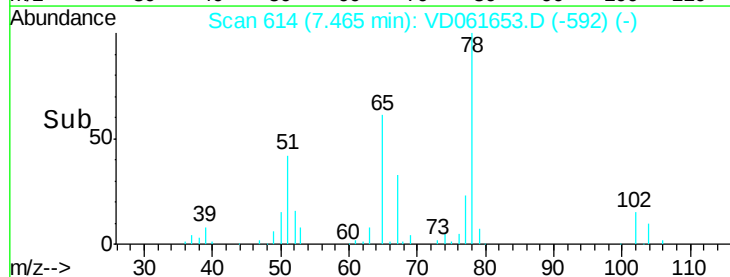
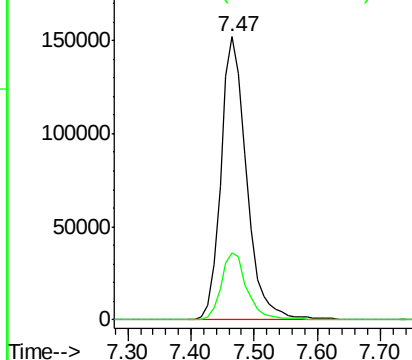


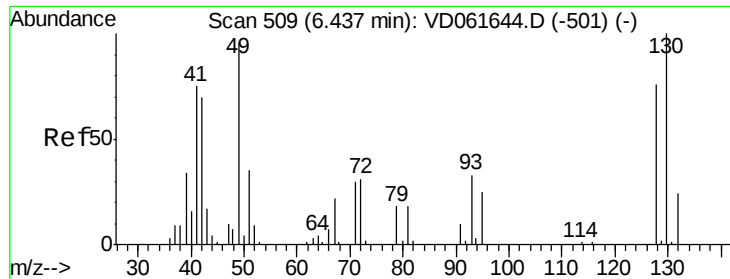
#40
Benzene
Concen: 21.058 ug/l
RT: 7.47 min Scan# 614
Delta R.T. 0.01 min
Lab File: VD061653.D
Acq: 8 Apr 2019 16:16

Tgt Ion: 78 Resp: 430057
Ion Ratio Lower Upper
78 100
77 23.7 19.5 29.3



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

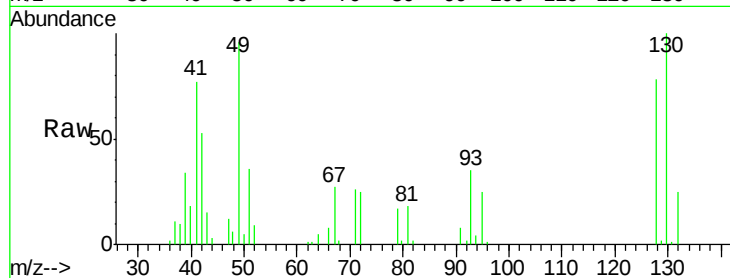




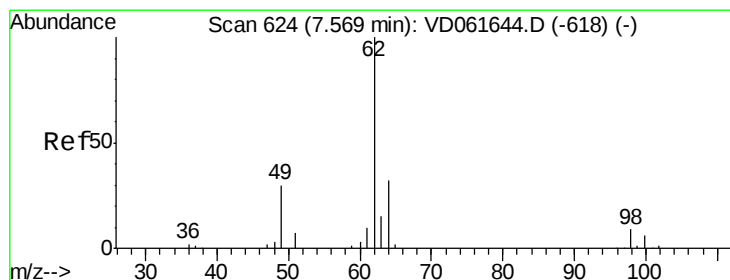
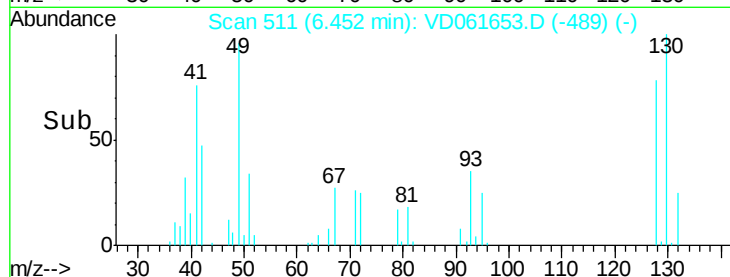
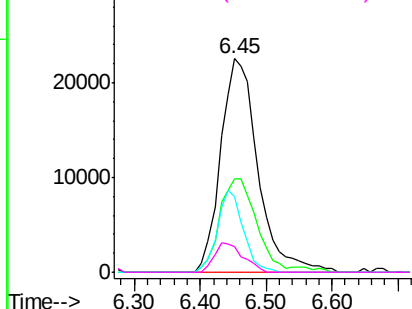
#41
Methacrylonitrile
Concen: 22.095 ug/l
RT: 6.45 min Scan# 511
Delta R.T. 0.01 min
Lab File: VD061653.D
Acq: 8 Apr 2019 16:16

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 41 Resp: 88937
Ion Ratio Lower Upper
41 100
39 43.7 36.2 54.2
67 35.3 23.2 34.8#
52 12.0 10.0 15.0

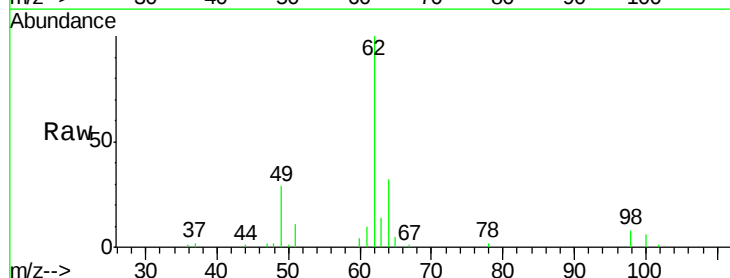


Abundance Ion 40.95 (40.65 to 41.65): VDC
Ion 38.95 (38.65 to 39.65): VDC
Ion 67.00 (66.70 to 67.70): VDC
Ion 52.00 (51.70 to 52.70): VDC

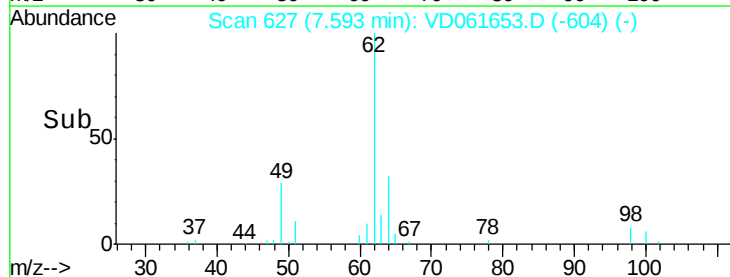
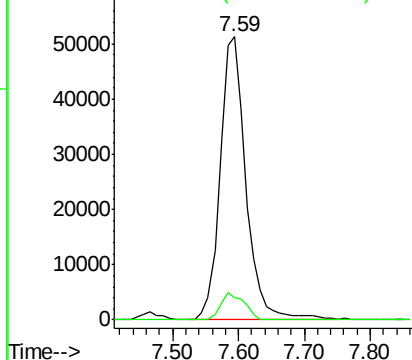


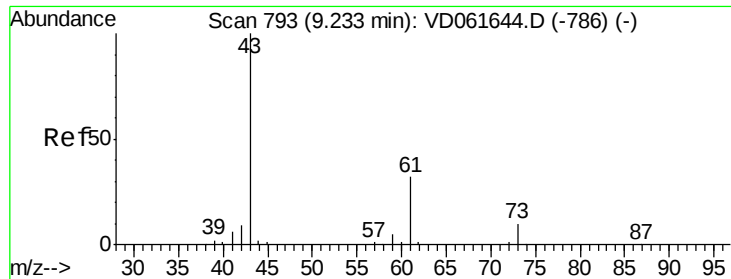
#42
1,2-Dichloroethane
Concen: 21.820 ug/l
RT: 7.59 min Scan# 627
Delta R.T. 0.02 min
Lab File: VD061653.D
Acq: 8 Apr 2019 16:16

Tgt Ion: 62 Resp: 140145
Ion Ratio Lower Upper
62 100
98 7.8 0.0 17.8



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



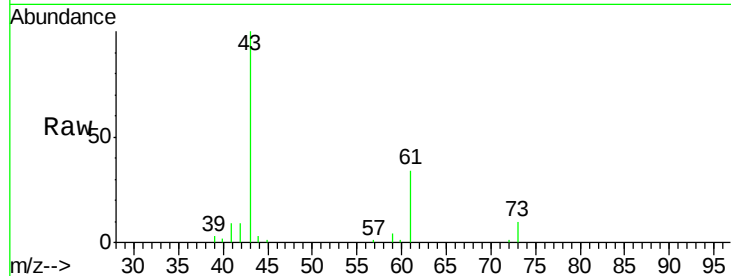


#43

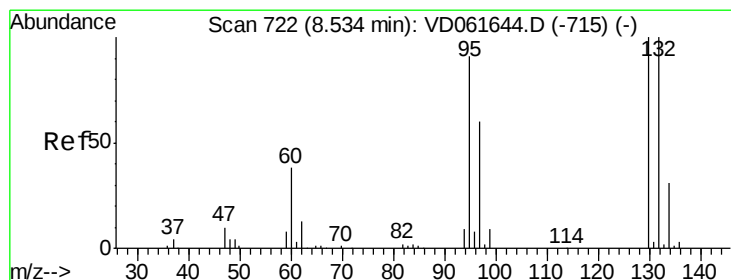
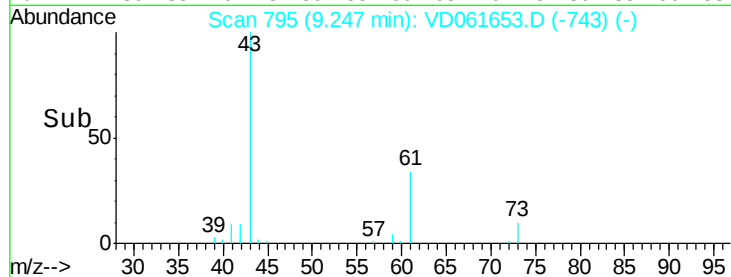
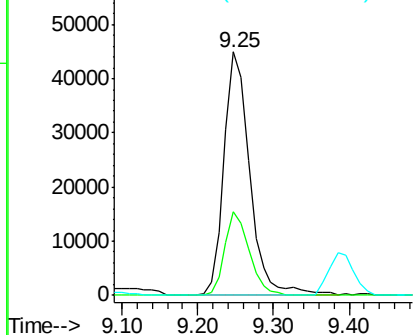
Isopropyl Acetate
 Concen: 21.309 ug/l
 RT: 9.25 min Scan# 795
 Delta R.T. 0.01 min
 Lab File: VD061653.D
 Acq: 8 Apr 2019 16:16

Instrument :
 MSVOA_D
 ClientSampleID :

Tot Ion: 43 Resp: 106634
 Ion Ratio Lower Upper
 43 100
 61 34.2 25.9 38.9
 87 0.0 0.2 0.4#



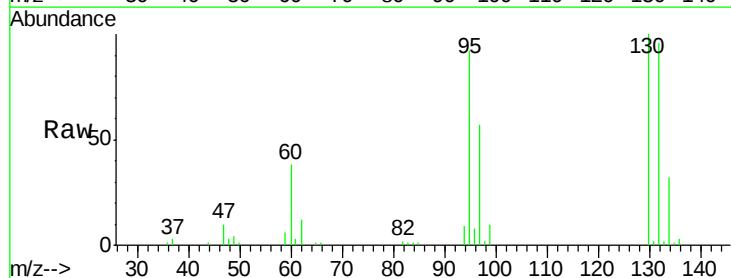
Abundance Ion 42.95 (42.65 to 43.65): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 87.00 (86.70 to 87.70): VDC



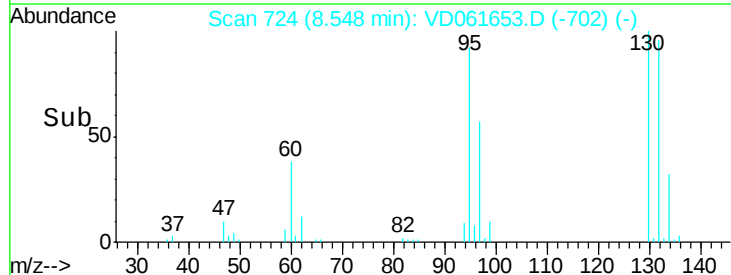
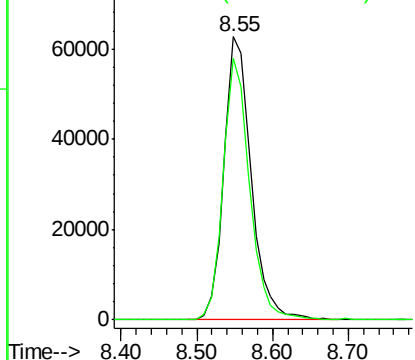
#44

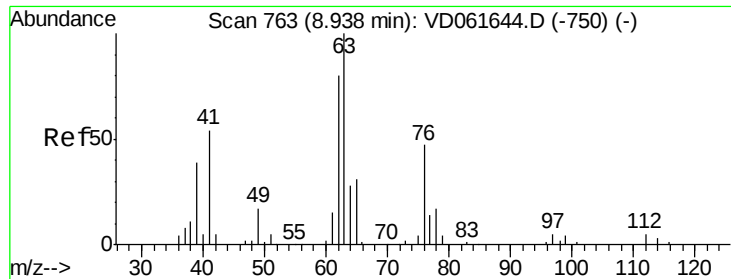
Trichloroethene
 Concen: 19.934 ug/l
 RT: 8.55 min Scan# 724
 Delta R.T. 0.01 min
 Lab File: VD061653.D
 Acq: 8 Apr 2019 16:16

Tgt Ion: 130 Resp: 156076
 Ion Ratio Lower Upper
 130 100
 95 92.3 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: 21.439 ug/l

RT: 8.95 min Scan# 765

Delta R.T. 0.01 min

Lab File: VD061653.D

Acq: 8 Apr 2019 16:16

Instrument :

MSVOA_D

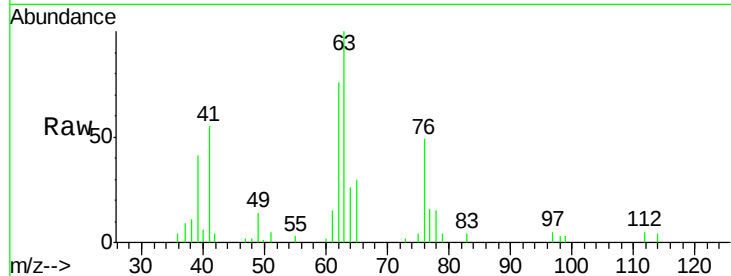
ClientSampleId :

Tot Ion: 63 Resp: 108584

Ion Ratio Lower Upper

63 100

65 30.2 24.5 36.7



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC

8.95

40000

30000

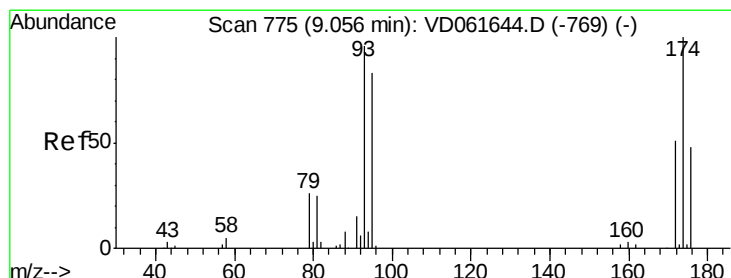
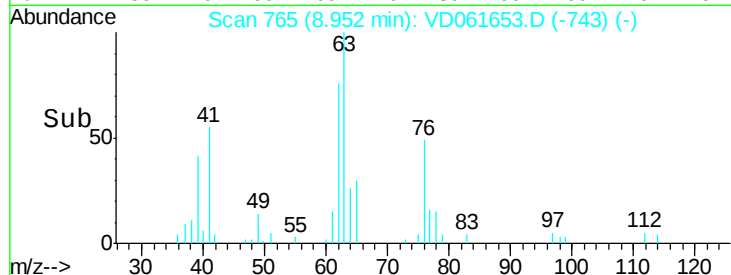
20000

10000

0

Time-->

8.80 8.90 9.00 9.10



#46

Dibromomethane

Concen: 20.022 ug/l

RT: 9.08 min Scan# 778

Delta R.T. 0.02 min

Lab File: VD061653.D

Acq: 8 Apr 2019 16:16

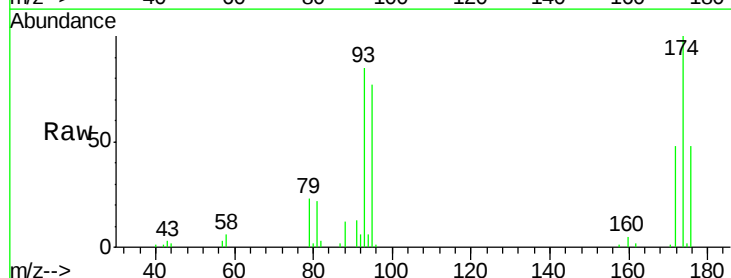
Tgt Ion: 93 Resp: 72476

Ion Ratio Lower Upper

93 100

95 90.4 68.6 103.0

174 117.6 83.0 124.4



Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V

40000

30000

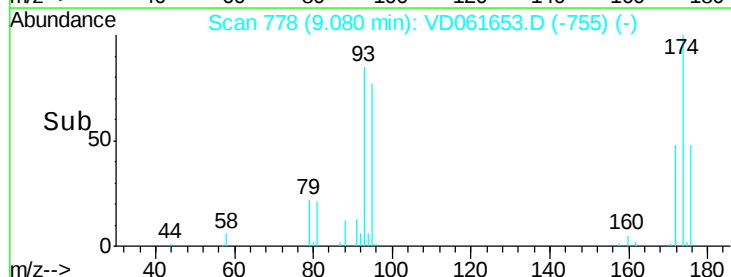
20000

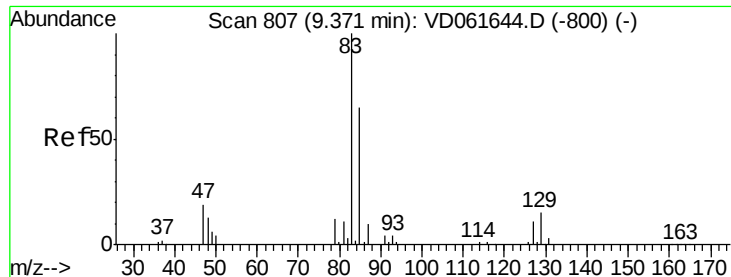
10000

0

Time-->

9.00 9.10 9.20





#47

Bromodichloromethane

Concen: 21.310 ug/l

RT: 9.39 min Scan# 809

Delta R.T. 0.01 min

Lab File: VD061653.D

Acq: 8 Apr 2019 16:16

Instrument :

MSVOA_D

ClientSampleId :

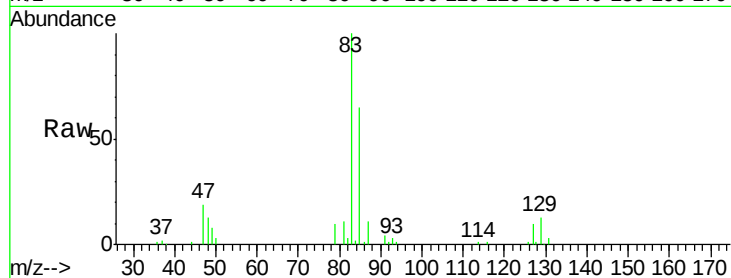
Tot Ion: 83 Resp: 169416

Ion Ratio Lower Upper

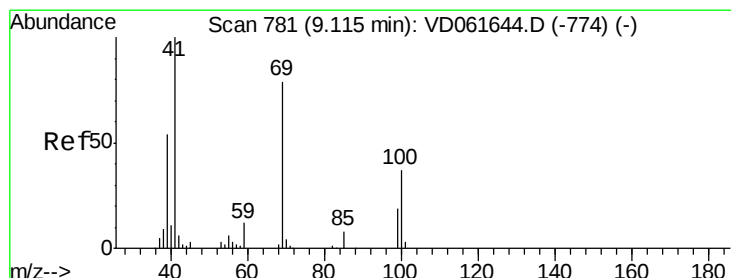
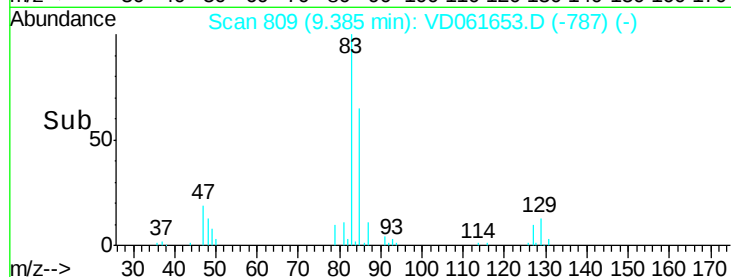
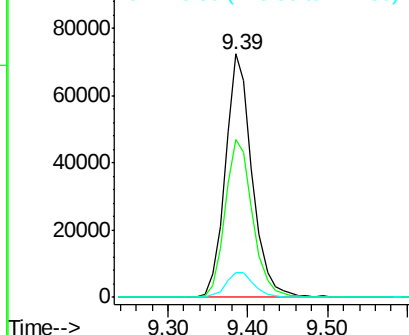
83 100

85 64.7 51.8 77.6

127 10.3 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: 21.132 ug/l

RT: 9.13 min Scan# 783

Delta R.T. 0.01 min

Lab File: VD061653.D

Acq: 8 Apr 2019 16:16

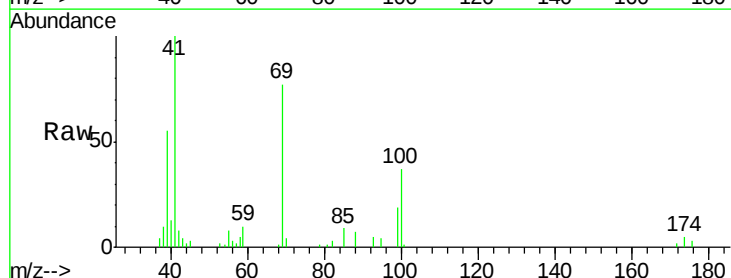
Tgt Ion: 41 Resp: 60957

Ion Ratio Lower Upper

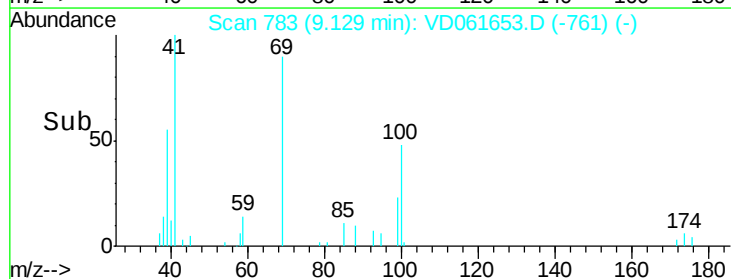
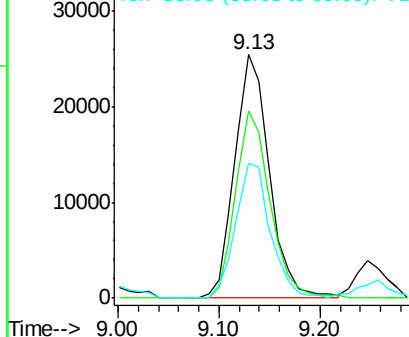
41 100

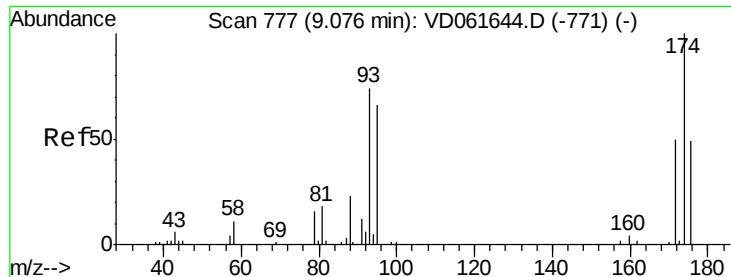
69 76.7 63.1 94.7

39 55.4 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

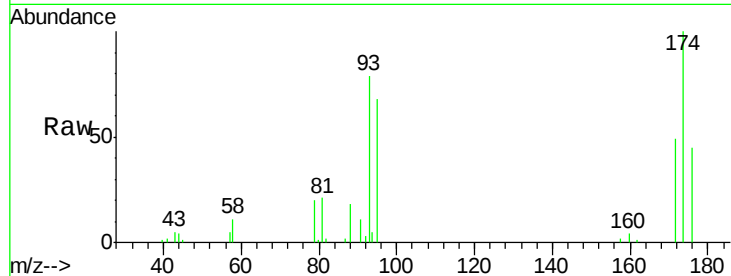




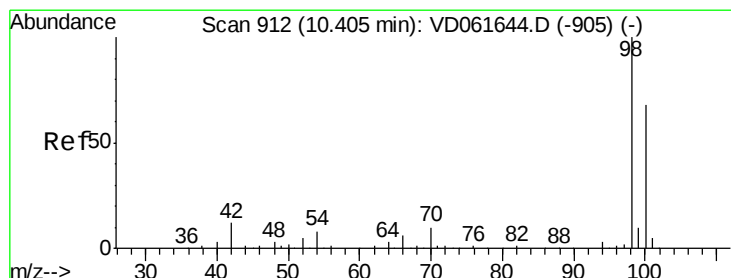
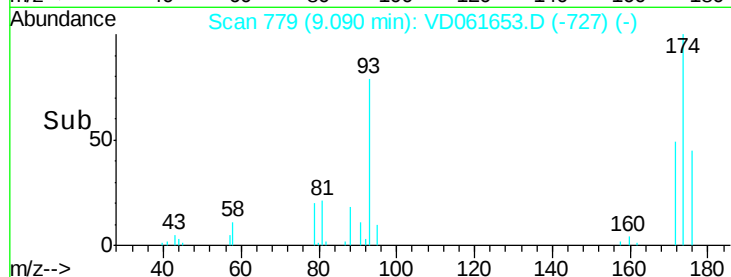
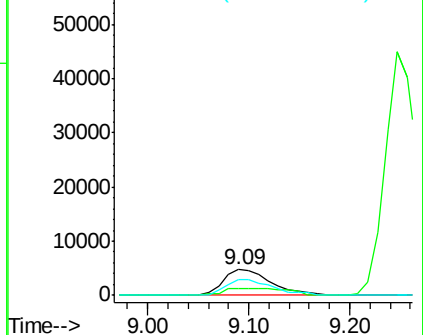
#49
1,4-Dioxane
Concen: 488.037 ug/l
RT: 9.09 min Scan# 779
Delta R.T. 0.01 min
Lab File: VD061653.D
Acq: 8 Apr 2019 16:16

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 88 Resp: 15539
Ion Ratio Lower Upper
88 100
43 27.8 21.8 32.8
58 59.9 40.2 60.2

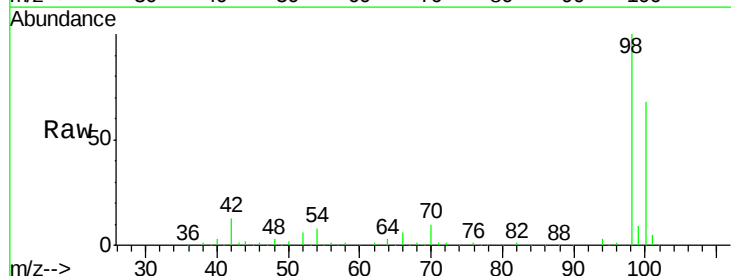


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 57.95 (57.65 to 58.65): VDC

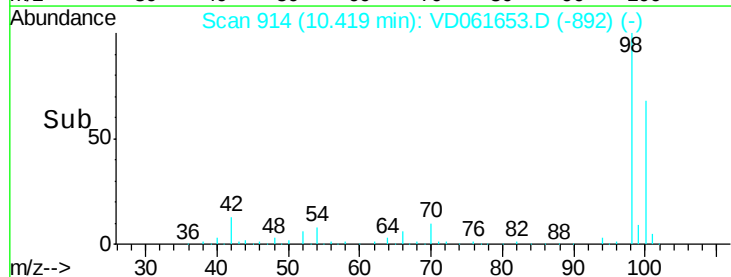
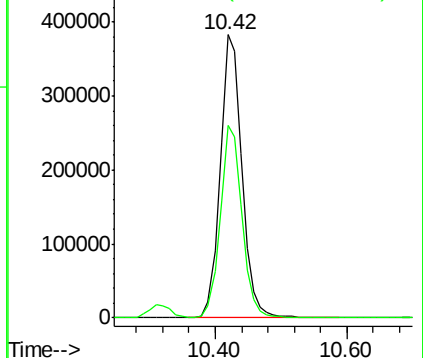


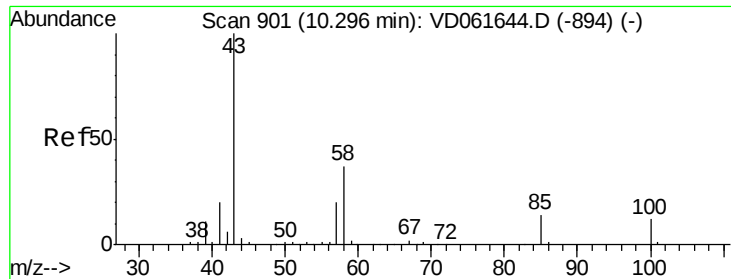
#50
Toluene-d8
Concen: 488.037 ug/l
RT: 10.42 min Scan# 914
Delta R.T. 0.01 min
Lab File: VD061653.D
Acq: 8 Apr 2019 16:16

Tgt Ion: 98 Resp: 877767
Ion Ratio Lower Upper
98 100
100 68.2 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: 113.150 ug/l

RT: 10.31 min Scan# 903

Delta R.T. 0.01 min

Lab File: VD061653.D

Acq: 8 Apr 2019 16:16

Instrument :

MSVOA_D

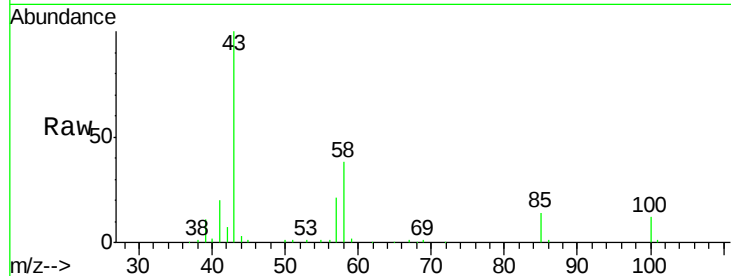
ClientSampleId :

Tot Ion: 43 Resp: 334862

Ion Ratio Lower Upper

43 100

58 37.9 29.8 44.8



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

10.31

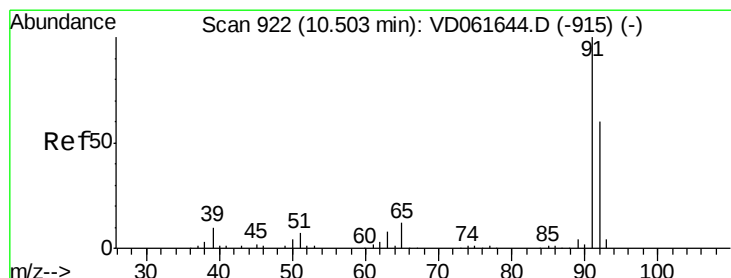
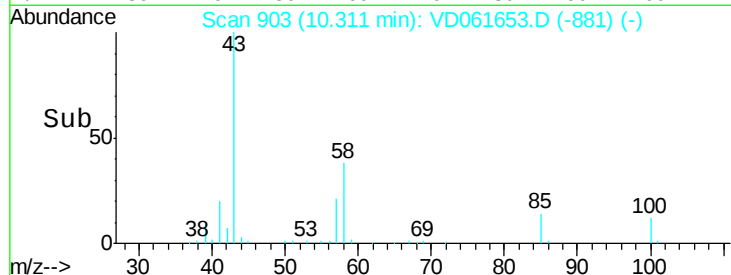
150000

100000

50000

0

Time-->



#52

Toluene

Concen: 20.003 ug/l

RT: 10.53 min Scan# 925

Delta R.T. 0.02 min

Lab File: VD061653.D

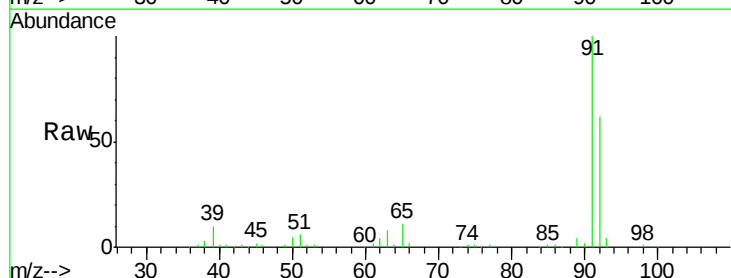
Acq: 8 Apr 2019 16:16

Tgt Ion: 92 Resp: 255092

Ion Ratio Lower Upper

92 100

91 162.5 133.0 199.4



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

10.53

200000

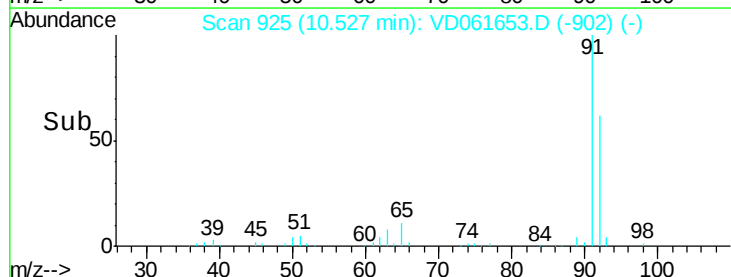
150000

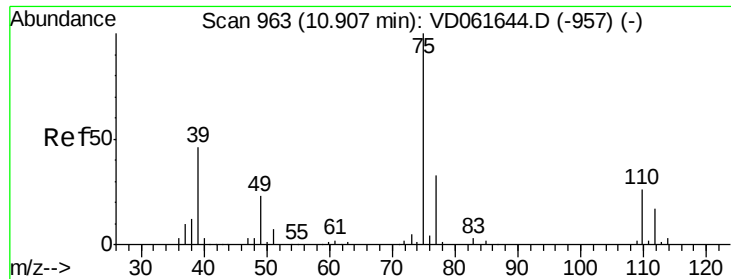
100000

50000

0

Time-->

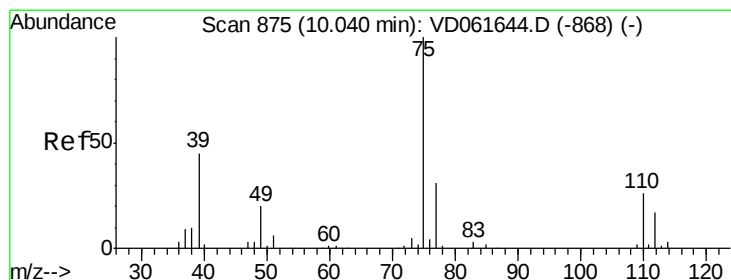
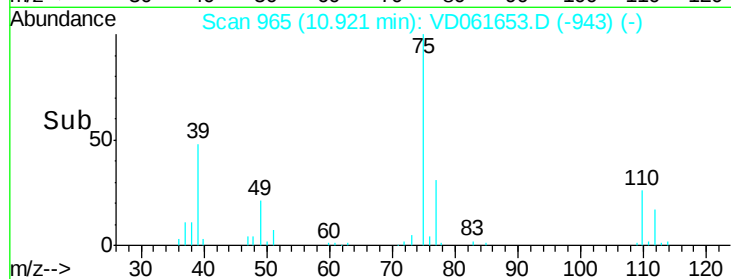
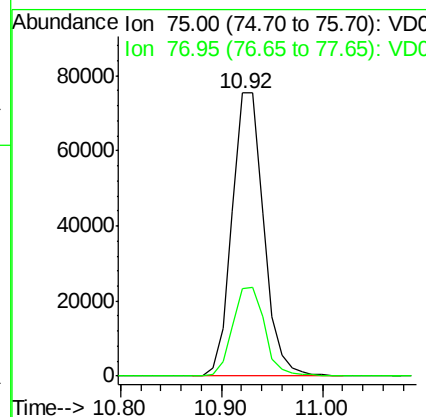
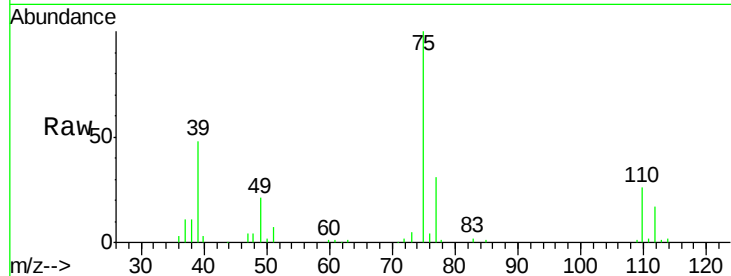




#53
 t-1,3-Dichloropropene
 Concen: 23.623 ug/l
 RT: 10.92 min Scan# 965
 Delta R.T. 0.01 min
 Lab File: VD061653.D
 Acq: 8 Apr 2019 16:16

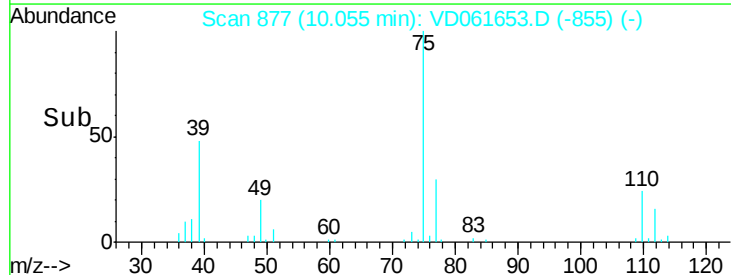
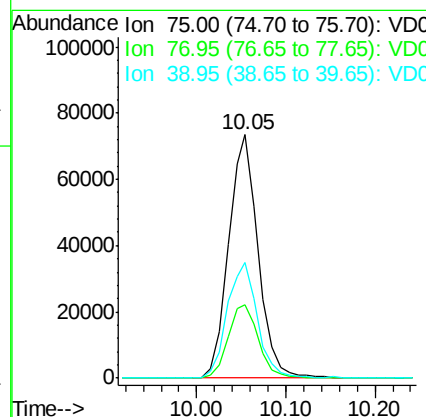
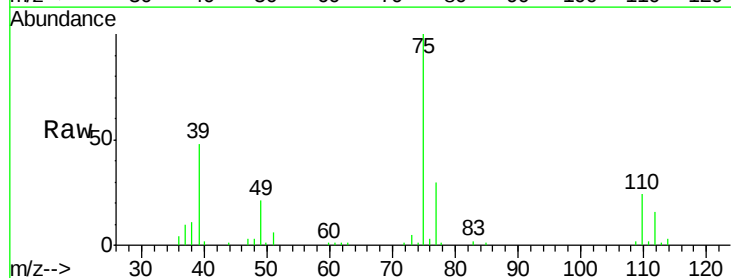
Instrument :
 MSVOA_D
 ClientSampleId :

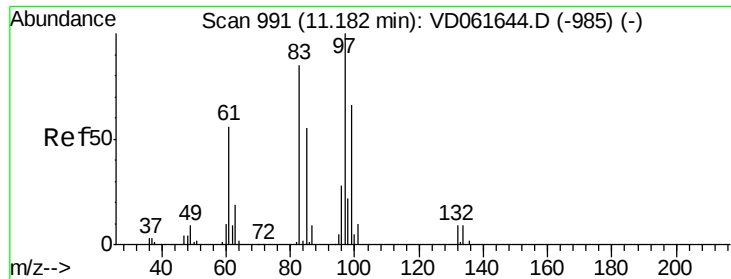
Tot Ion: 75 Resp: 164623
 Ion Ratio Lower Upper
 75 100
 77 31.1 26.2 39.2



#54
 cis-1,3-Dichloropropene
 Concen: 19.786 ug/l
 RT: 10.05 min Scan# 877
 Delta R.T. 0.01 min
 Lab File: VD061653.D
 Acq: 8 Apr 2019 16:16

Tgt Ion: 75 Resp: 169977
 Ion Ratio Lower Upper
 75 100
 77 30.1 24.6 37.0
 39 47.6 36.2 54.2

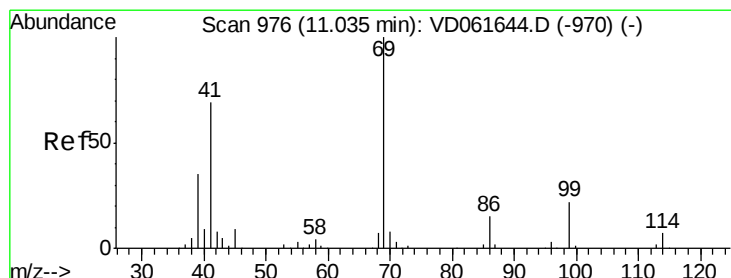
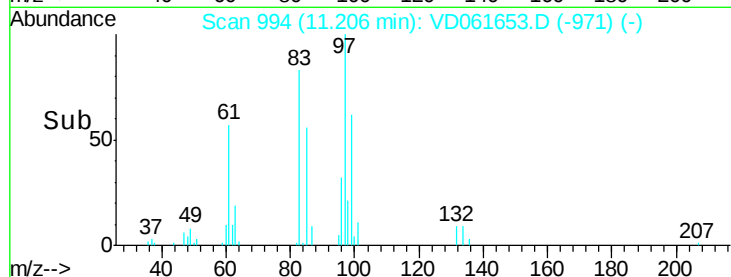
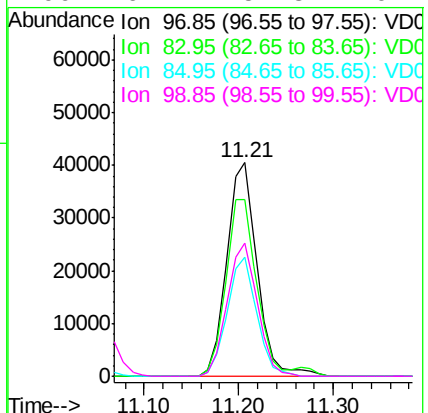
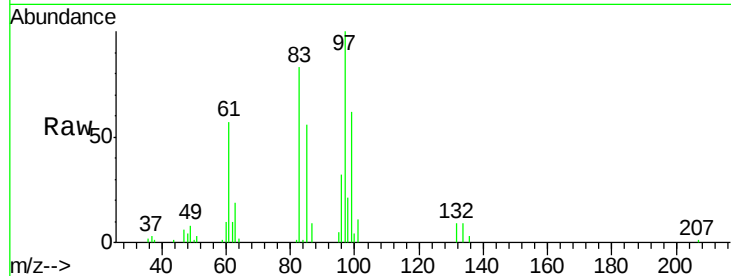




#55
 1,1,2-Trichloroethane
 Concen: 20.869 ug/l
 RT: 11.21 min Scan# 994
 Delta R.T. 0.02 min
 Lab File: VD061653.D
 Acq: 8 Apr 2019 16:16

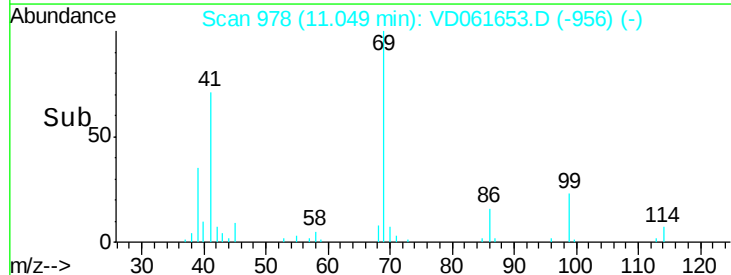
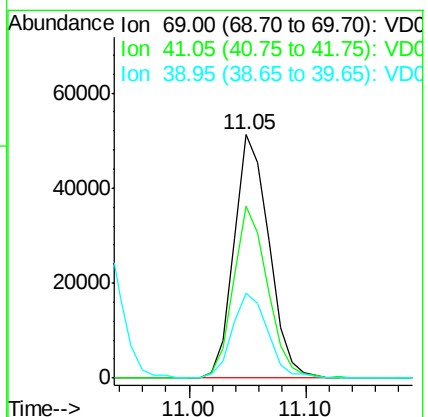
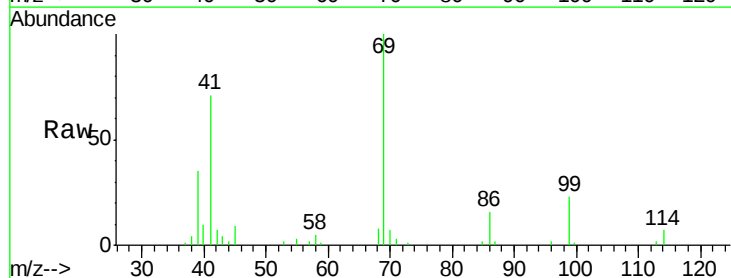
Instrument :
 MSVOA_D
 ClientSampleId :

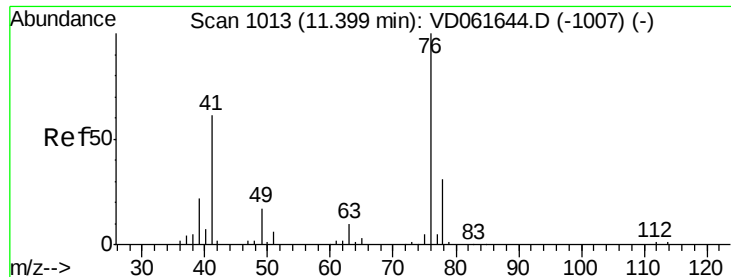
Tot Ion: 97 Resp: 89761
 Ion Ratio Lower Upper
 97 100
 83 82.9 67.8 101.6
 85 55.6 43.8 65.8
 99 62.1 52.8 79.2



#56
 Ethyl methacrylate
 Concen: 23.411 ug/l
 RT: 11.05 min Scan# 978
 Delta R.T. 0.01 min
 Lab File: VD061653.D
 Acq: 8 Apr 2019 16:16

Tgt Ion: 69 Resp: 106228
 Ion Ratio Lower Upper
 69 100
 41 70.9 55.2 82.8
 39 34.9 28.6 43.0

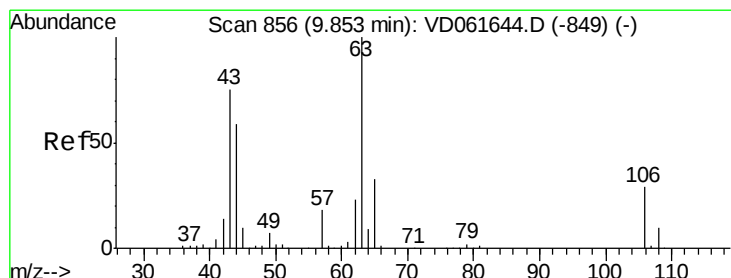
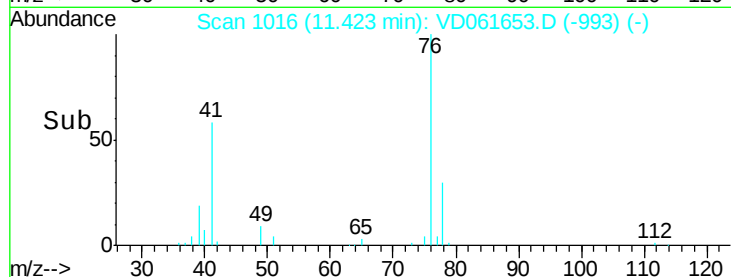
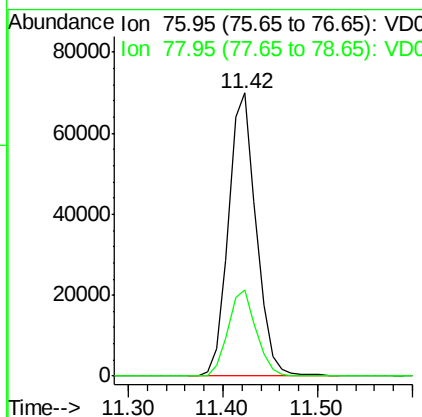
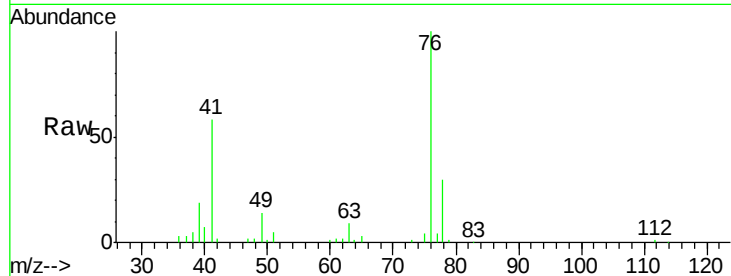




#57
 1,3-Dichloropropane
 Concen: 22.472 ug/l
 RT: 11.42 min Scan# 1016
 Delta R.T. 0.02 min
 Lab File: VD061653.D
 Acq: 8 Apr 2019 16:16

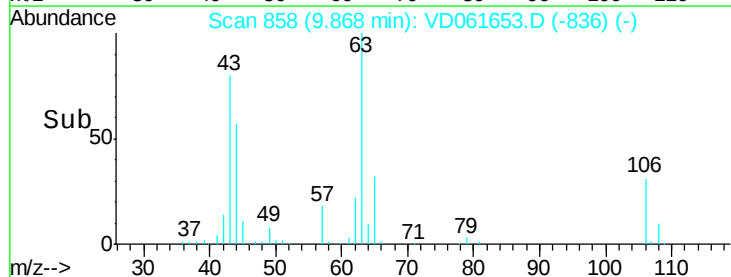
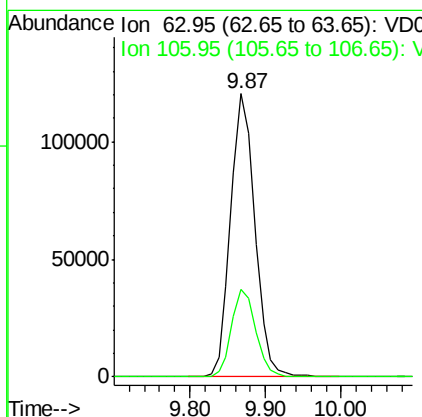
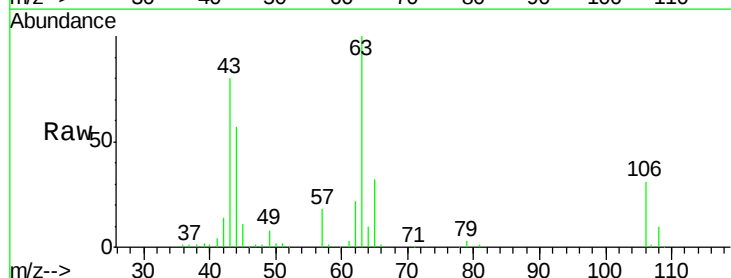
Instrument :
 MSVOA_D
 ClientSampleId :

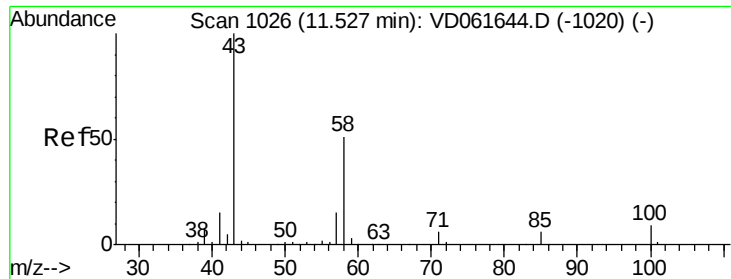
Tot Ion: 76 Resp: 141550
 Ion Ratio Lower Upper
 76 100
 78 30.4 24.5 36.7



#58
 2-Chloroethyl Vinyl ether
 Concen: 125.176 ug/l
 RT: 9.87 min Scan# 858
 Delta R.T. 0.01 min
 Lab File: VD061653.D
 Acq: 8 Apr 2019 16:16

Tgt Ion: 63 Resp: 267997
 Ion Ratio Lower Upper
 63 100
 106 31.0 23.0 34.6

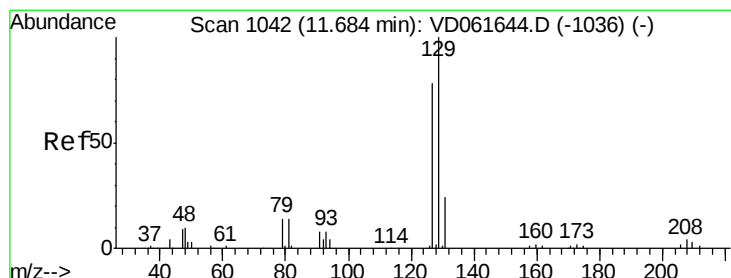
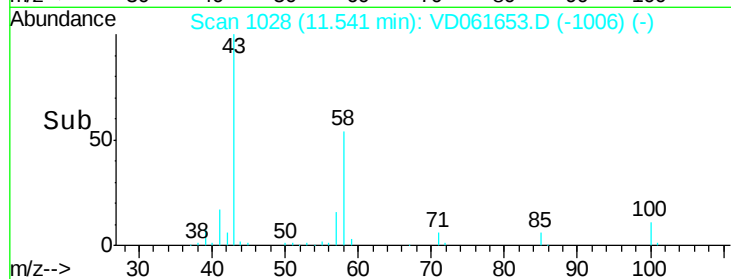
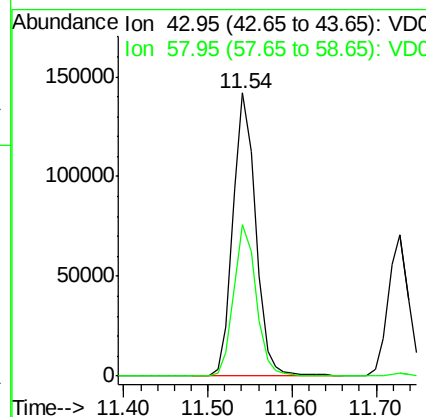
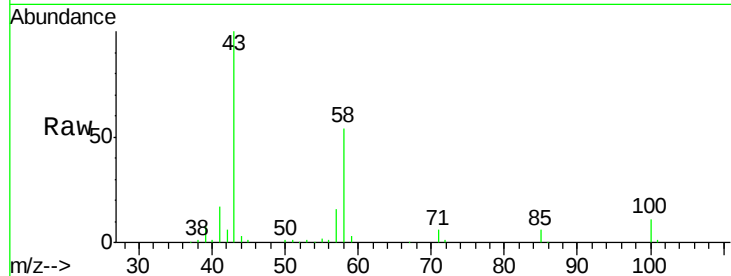




#59
2-Hexanone
Concen: 115.982 ug/l
RT: 11.54 min Scan# 1028
Delta R.T. 0.01 min
Lab File: VD061653.D
Acq: 8 Apr 2019 16:16

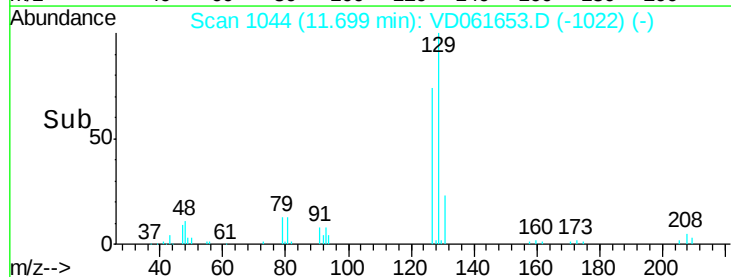
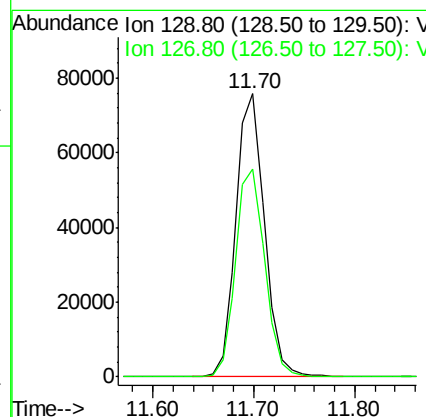
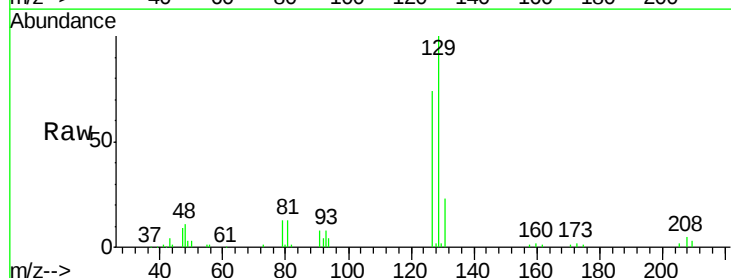
Instrument :
MSVOA_D
ClientSampleId :

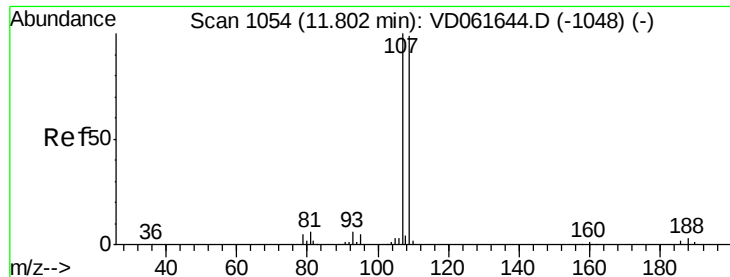
Tot Ion: 43 Resp: 266385
Ion Ratio Lower Upper
43 100
58 53.8 25.6 76.8



#60
Dibromochloromethane
Concen: 21.872 ug/l
RT: 11.70 min Scan# 1044
Delta R.T. 0.01 min
Lab File: VD061653.D
Acq: 8 Apr 2019 16:16

Tgt Ion: 129 Resp: 148628
Ion Ratio Lower Upper
129 100
127 73.5 38.8 116.4

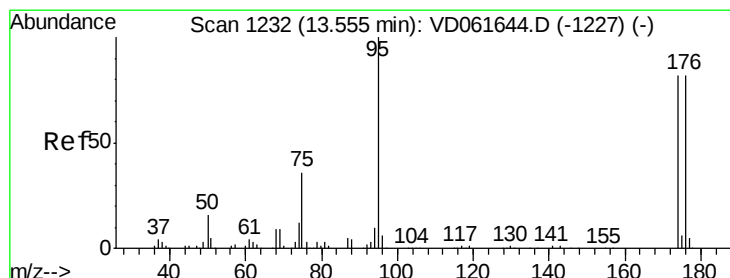
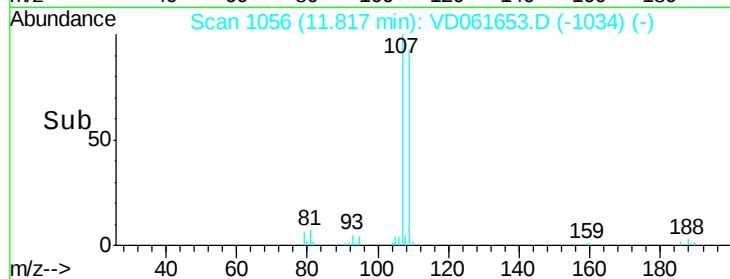
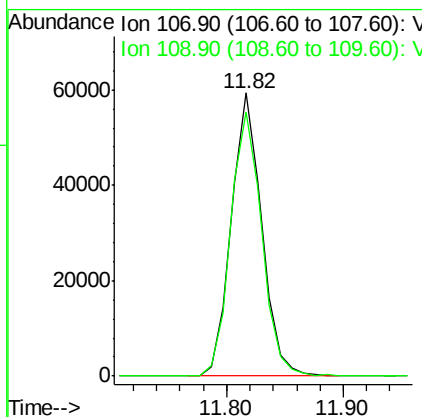
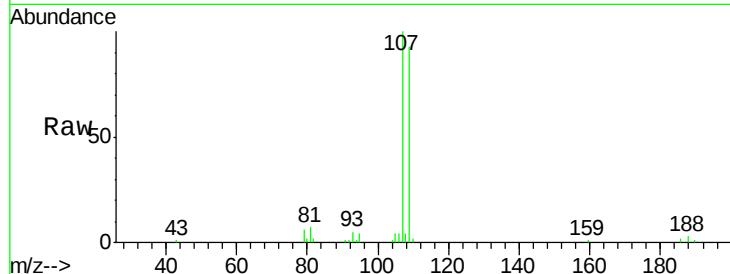




#61
 1,2-Dibromoethane
 Concen: 21.224 ug/l
 RT: 11.82 min Scan# 1056
 Delta R.T. 0.01 min
 Lab File: VD061653.D
 Acq: 8 Apr 2019 16:16

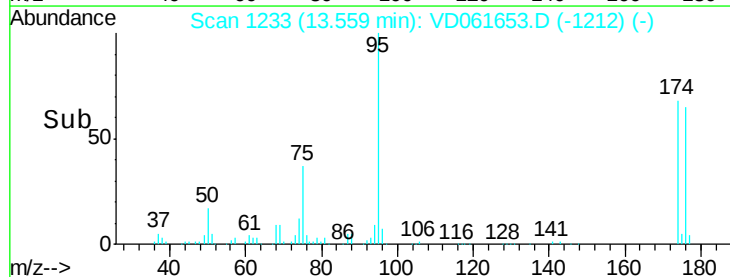
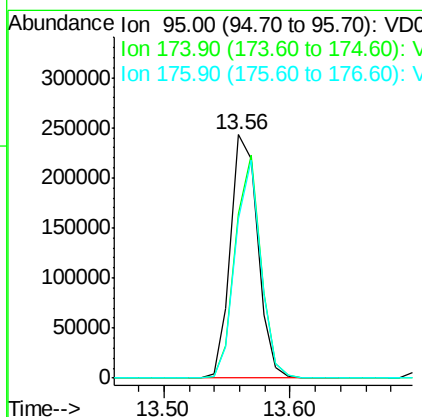
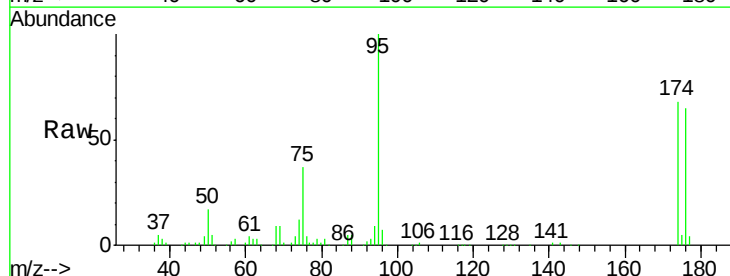
Instrument :
 MSVOA_D
 ClientSampleId :

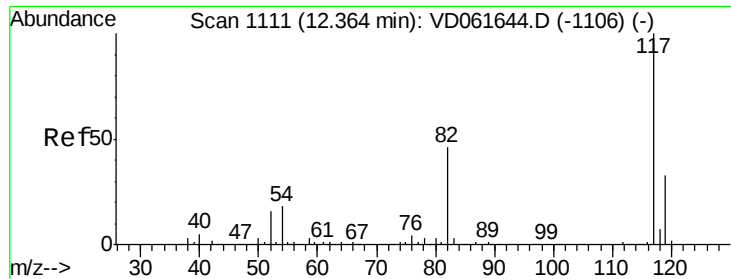
Tot Ion: 107 Resp: 106757
 Ion Ratio Lower Upper
 107 100
 109 93.3 79.2 118.8



#62
 4-Bromofluorobenzene
 Concen: 21.224 ug/l
 RT: 13.56 min Scan# 1233
 Delta R.T. 0.01 min
 Lab File: VD061653.D
 Acq: 8 Apr 2019 16:16

Tgt Ion: 95 Resp: 362593
 Ion Ratio Lower Upper
 95 100
 174 67.6 0.0 164.6
 176 65.2 0.0 165.0

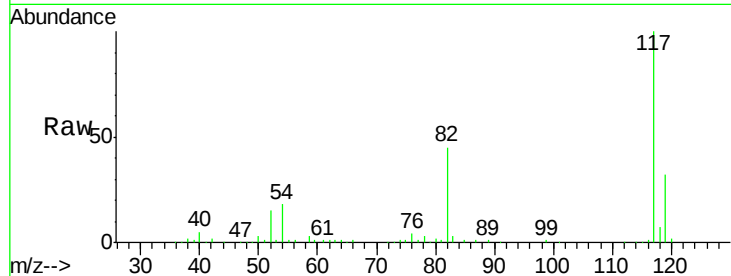




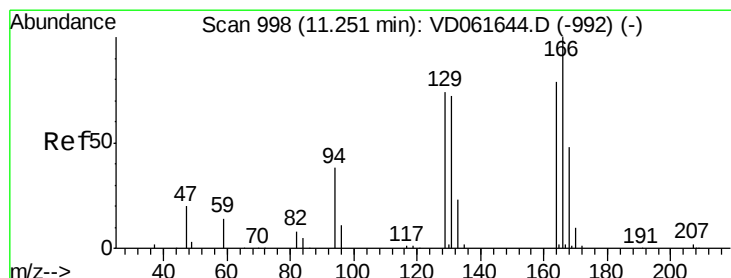
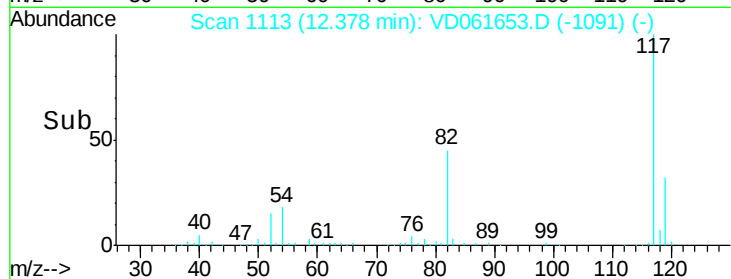
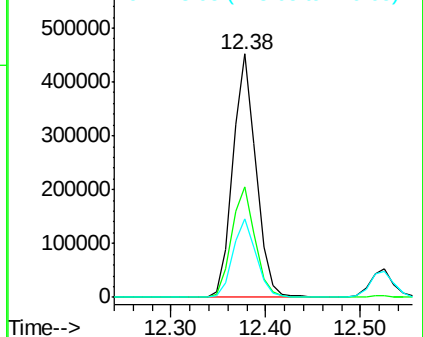
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.38 min Scan# 1113
Delta R.T. 0.01 min
Lab File: VD061653.D
Acq: 8 Apr 2019 16:16

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:117 Resp: 763661
Ion Ratio Lower Upper
117 100
82 45.4 36.8 55.2
119 32.3 26.1 39.1

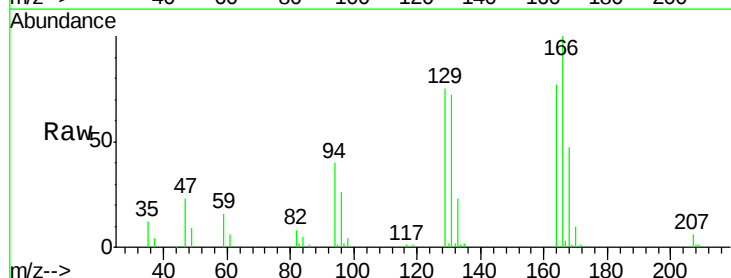


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

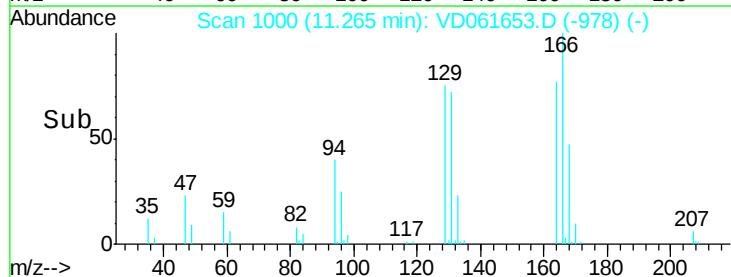
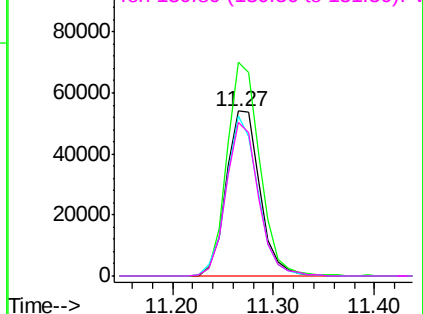


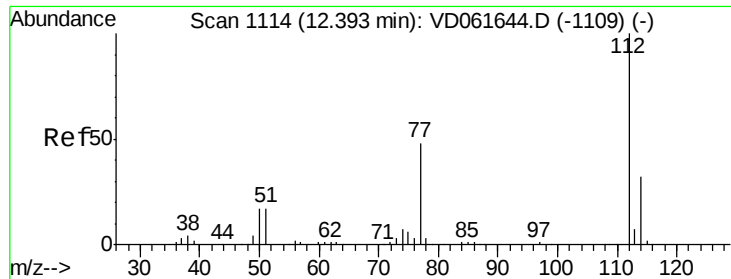
#64
Tetrachloroethene
Concen: 20.875 ug/l
RT: 11.27 min Scan# 1000
Delta R.T. 0.01 min
Lab File: VD061653.D
Acq: 8 Apr 2019 16:16

Tgt Ion:164 Resp: 123743
Ion Ratio Lower Upper
164 100
166 129.8 101.8 152.8
129 97.1 75.4 113.0
131 93.4 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

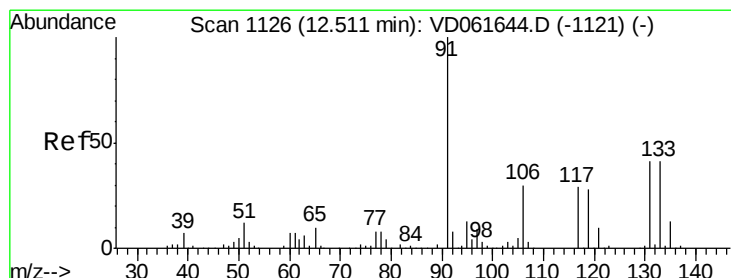
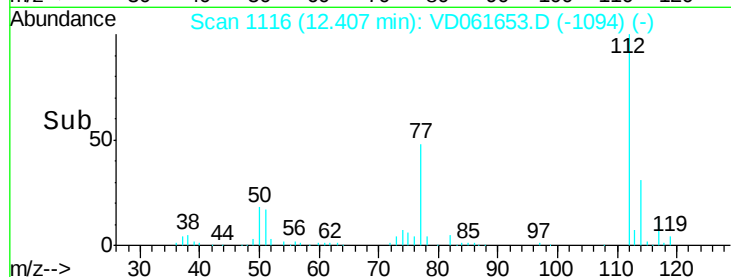
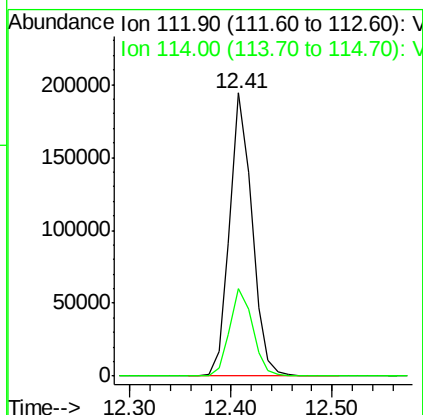
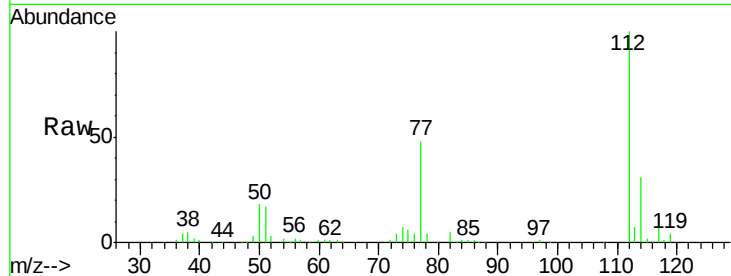




#65
Chlorobenzene
Concen: 19.787 ug/l
RT: 12.41 min Scan# 1116
Delta R.T. 0.01 min
Lab File: VD061653.D
Acq: 8 Apr 2019 16:16

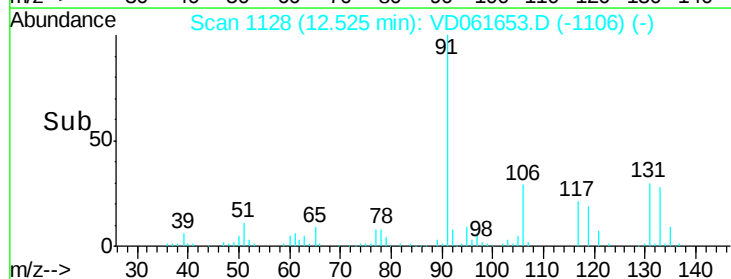
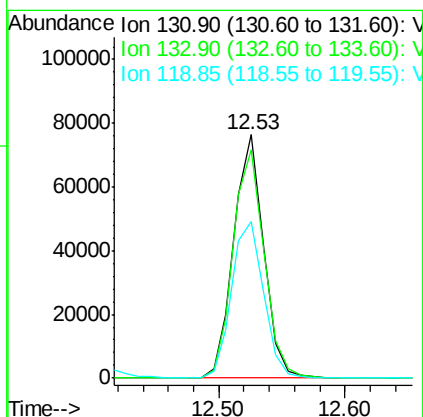
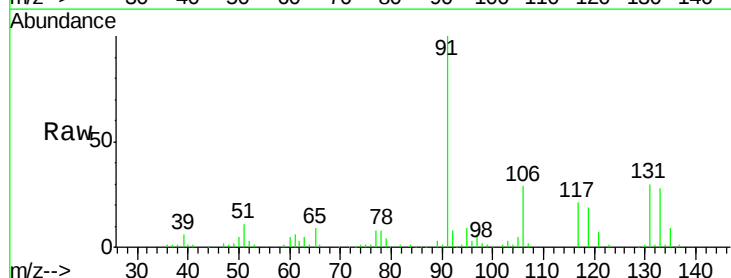
Instrument :
MSVOA_D
ClientSampleId :

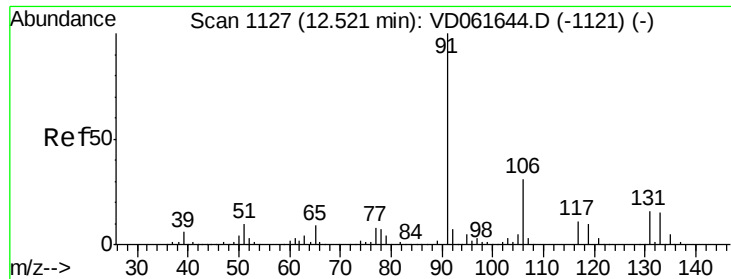
Tot Ion:112 Resp: 299664
Ion Ratio Lower Upper
112 100
114 31.0 25.6 38.4



#66
1,1,1,2-Tetrachloroethane
Concen: 21.462 ug/l
RT: 12.53 min Scan# 1128
Delta R.T. 0.01 min
Lab File: VD061653.D
Acq: 8 Apr 2019 16:16

Tgt Ion:131 Resp: 125070
Ion Ratio Lower Upper
131 100
133 93.8 49.5 148.3
119 64.2 34.7 104.1

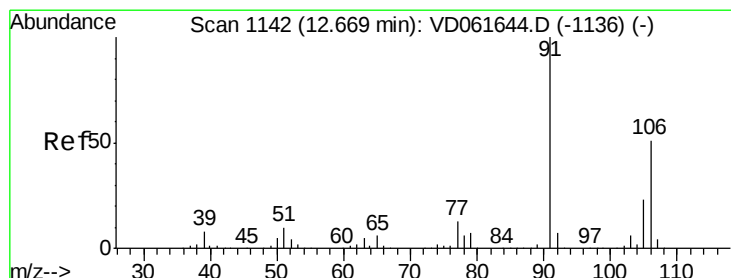
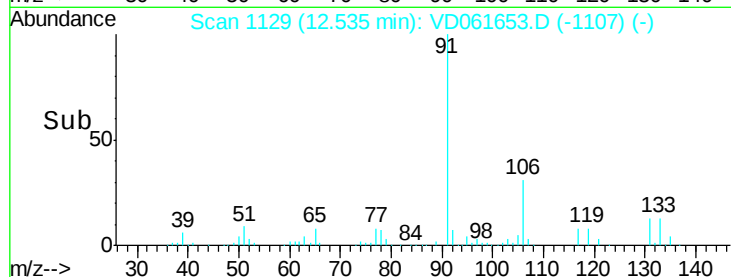
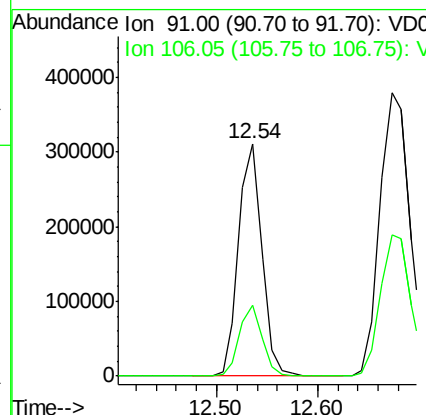
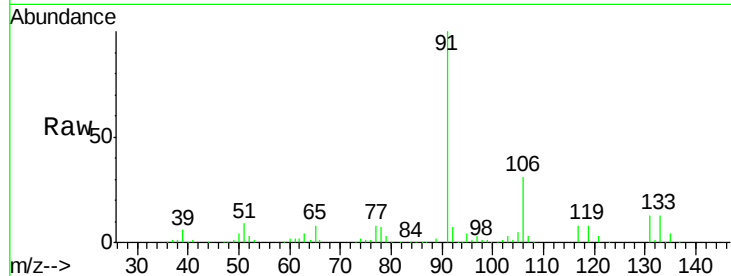




#67
Ethyl Benzene
Concen: 21.719 ug/l
RT: 12.54 min Scan# 1129
Delta R.T. 0.01 min
Lab File: VD061653.D
Acq: 8 Apr 2019 16:16

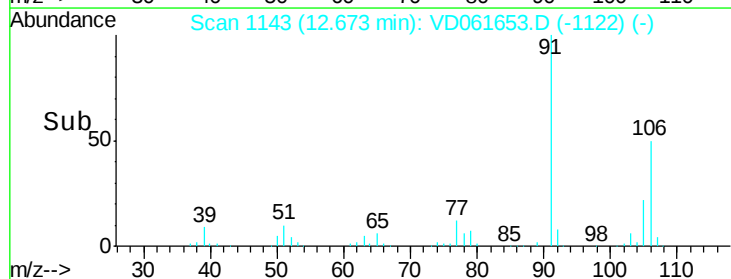
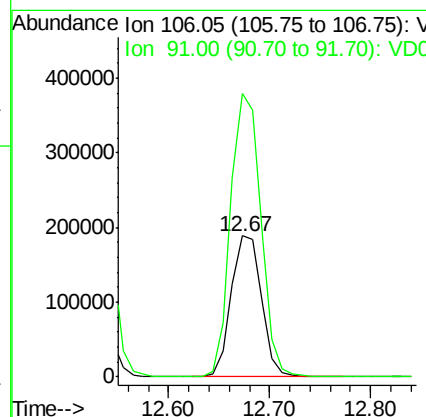
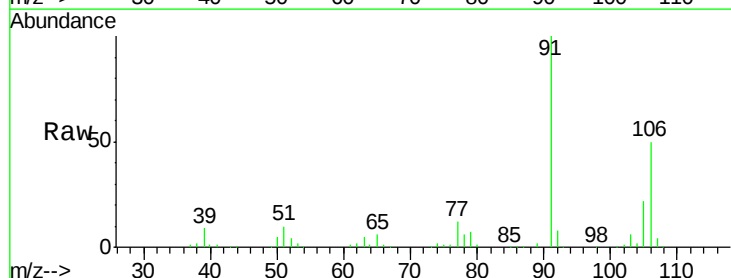
Instrument :
MSVOA_D
ClientSampled :

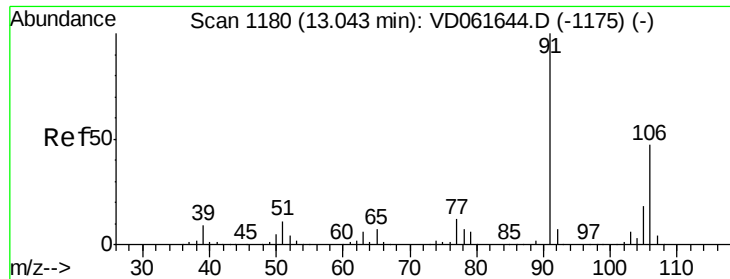
Tot Ion: 91 Resp: 500871
Ion Ratio Lower Upper
91 100
106 30.7 24.6 37.0



#68
m/p-Xylenes
Concen: 44.219 ug/l
RT: 12.67 min Scan# 1143
Delta R.T. 0.00 min
Lab File: VD061653.D
Acq: 8 Apr 2019 16:16

Tgt Ion: 106 Resp: 393139
Ion Ratio Lower Upper
106 100
91 200.9 156.7 235.1

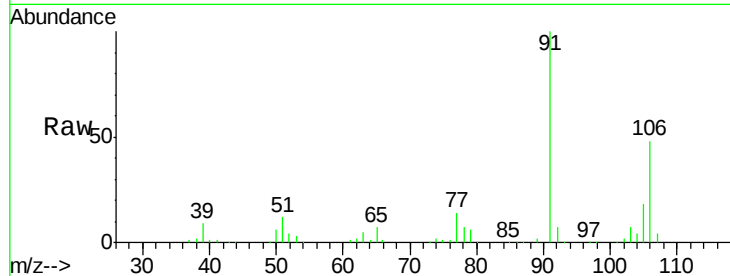




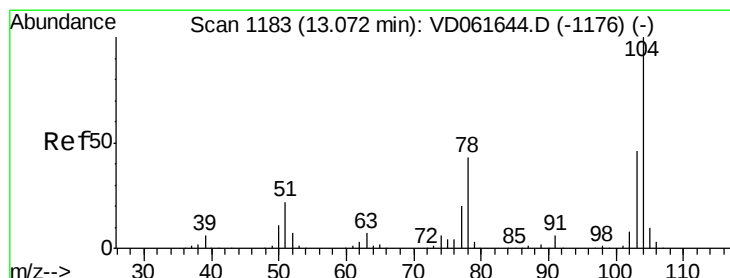
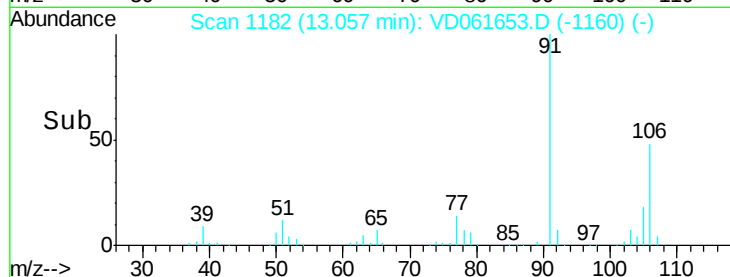
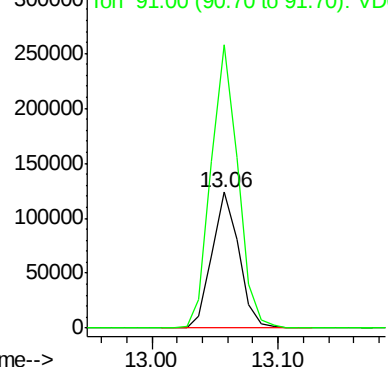
#69
o-Xylene
Concen: 21.313 ug/l
RT: 13.06 min Scan# 1182
Delta R.T. 0.01 min
Lab File: VD061653.D
Acq: 8 Apr 2019 16:16

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:106 Resp: 182914
Ion Ratio Lower Upper
106 100
91 208.2 107.3 321.9

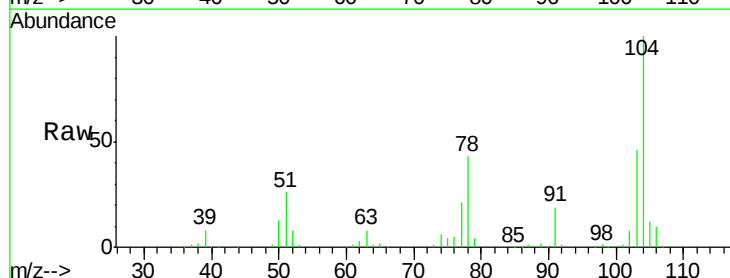


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): V

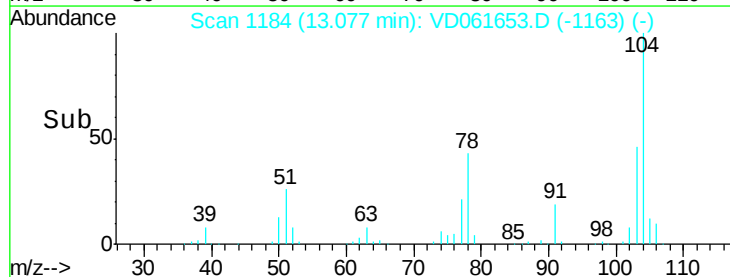
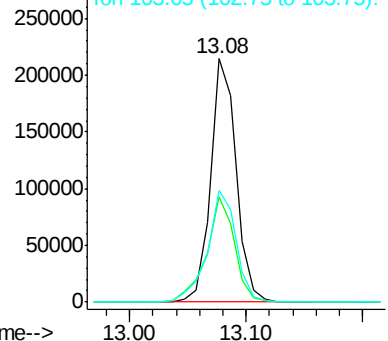


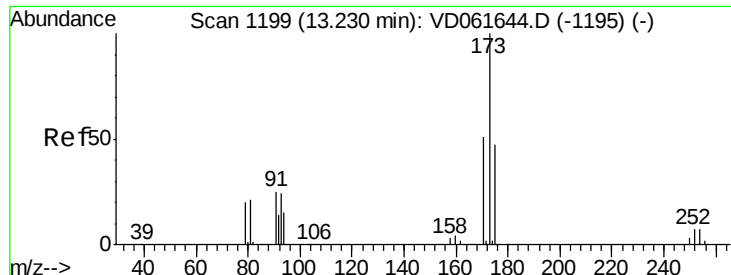
#70
Styrene
Concen: 22.124 ug/l
RT: 13.08 min Scan# 1184
Delta R.T. 0.00 min
Lab File: VD061653.D
Acq: 8 Apr 2019 16:16

Tgt Ion:104 Resp: 324266
Ion Ratio Lower Upper
104 100
78 43.4 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): V
Ion 103.05 (102.75 to 103.75): V





#71

Bromoform

Concen: 24.052 ug/l

RT: 13.24 min Scan# 1201

Delta R.T. 0.01 min

Lab File: VD061653.D

Acq: 8 Apr 2019 16:16

Instrument :

MSVOA_D

ClientSampleId :

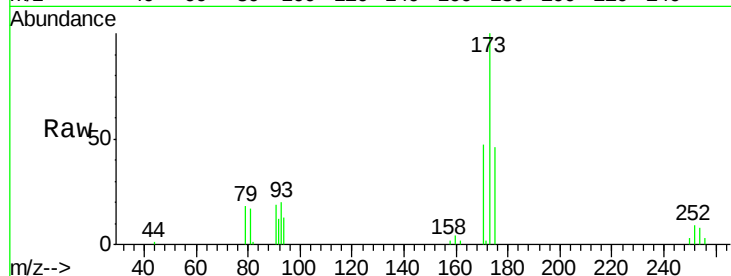
Tot Ion:173 Resp: 86968

Ion Ratio Lower Upper

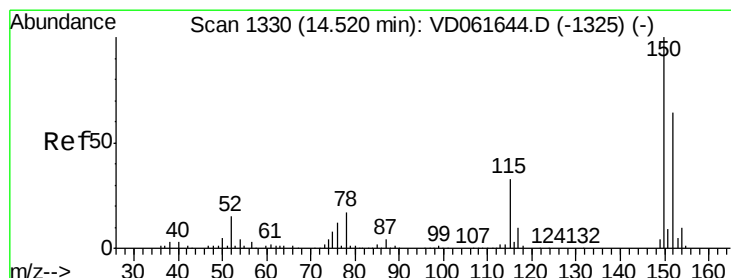
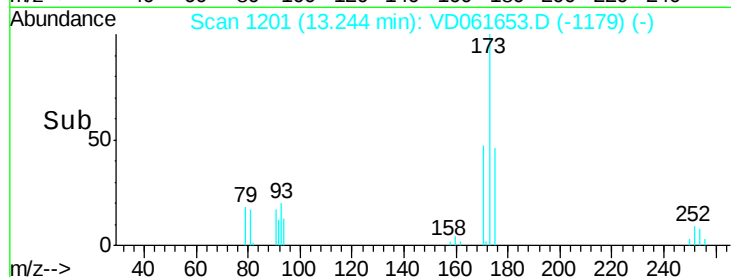
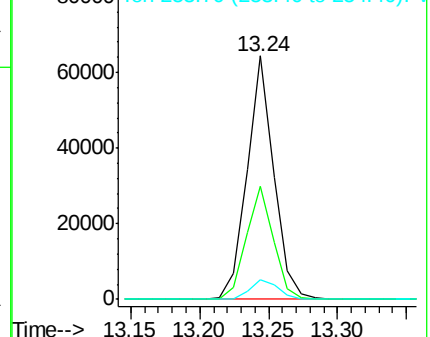
173 100

175 46.4 23.7 71.1

254 7.9 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: 14.52 min Scan# 1331

Delta R.T. 0.00 min

Lab File: VD061653.D

Acq: 8 Apr 2019 16:16

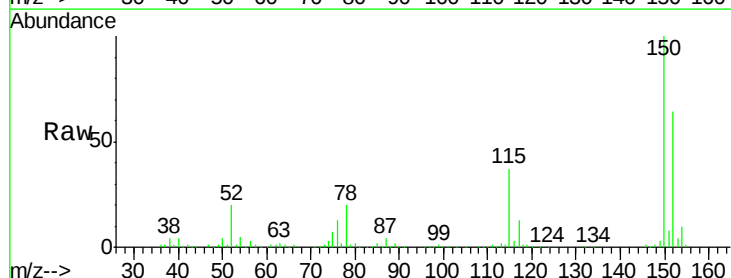
Tgt Ion:152 Resp: 392046

Ion Ratio Lower Upper

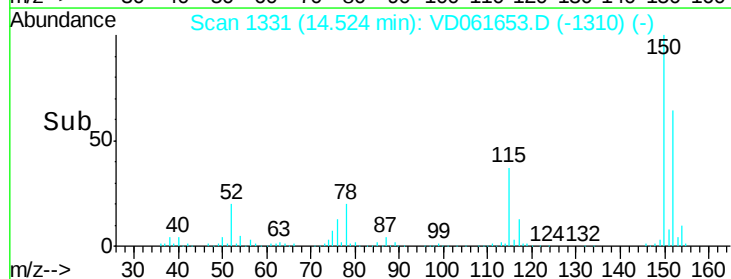
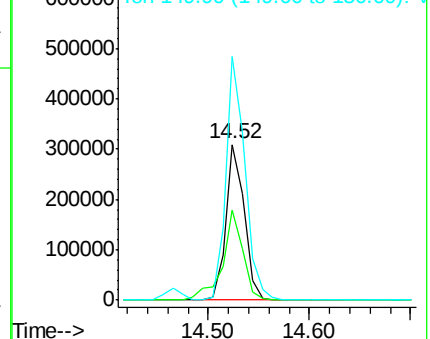
152 100

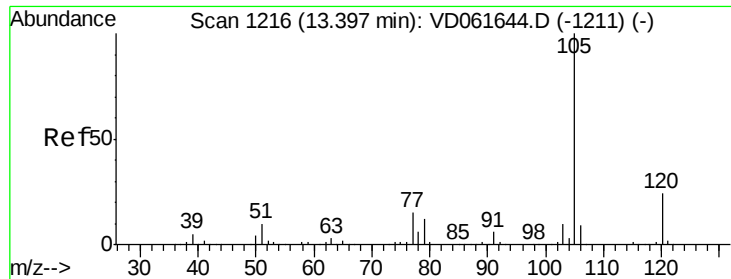
115 58.2 26.4 79.2

150 156.6 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: 18.665 ug/l

RT: 13.41 min Scan# 1218

Delta R.T. 0.01 min

Lab File: VD061653.D

Acq: 8 Apr 2019 16:16

Instrument :

MSVOA_D

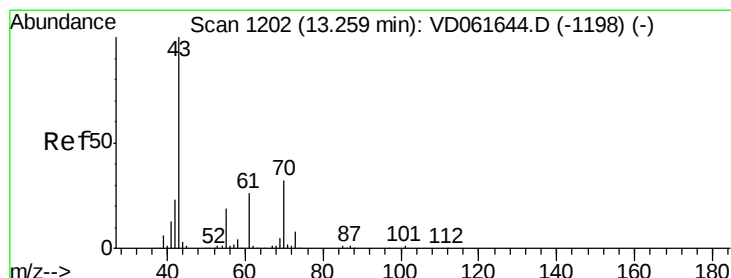
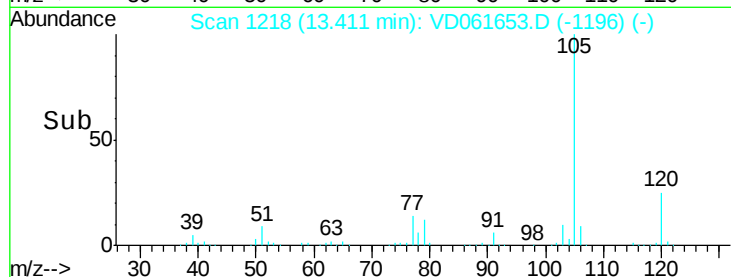
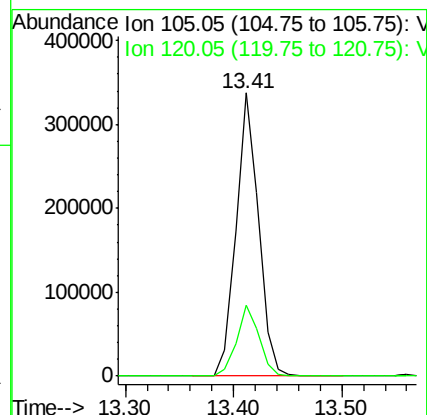
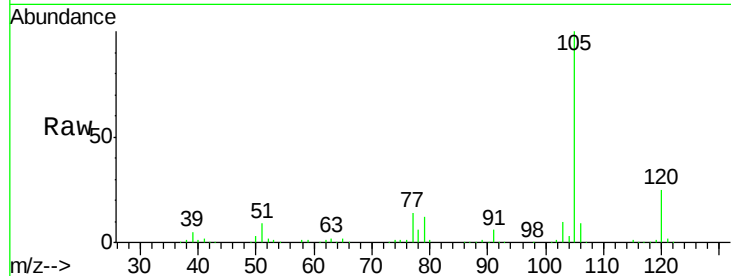
ClientSampleId :

Tot Ion:105 Resp: 487571

Ion Ratio Lower Upper

105 100

120 25.0 12.2 36.4



#74

N-ethyl acetate

Concen: 19.857 ug/l

RT: 13.27 min Scan# 1204

Delta R.T. 0.01 min

Lab File: VD061653.D

Acq: 8 Apr 2019 16:16

Tgt Ion: 43 Resp: 140936

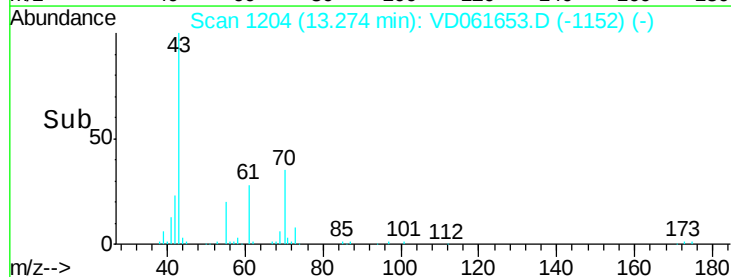
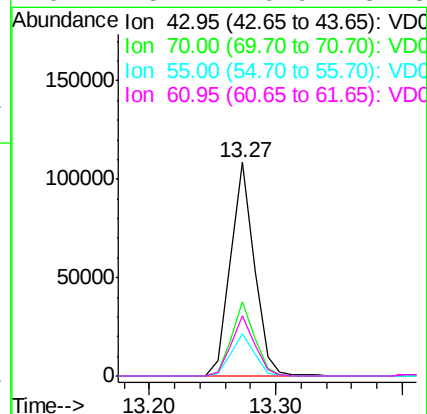
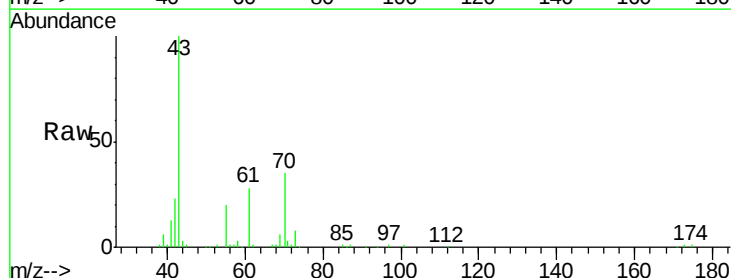
Ion Ratio Lower Upper

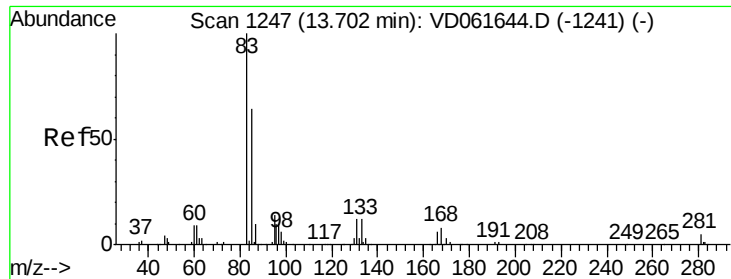
43 100

70 34.6 25.4 38.2

55 19.7 15.0 22.4

61 28.1 20.9 31.3





#75

1,1,2,2-Tetrachloroethane

Concen: 19.296 ug/l

RT: 13.71 min Scan# 1248

Delta R.T. 0.00 min

Lab File: VD061653.D

Acq: 8 Apr 2019 16:16

Instrument :

MSVOA_D

ClientSampleId :

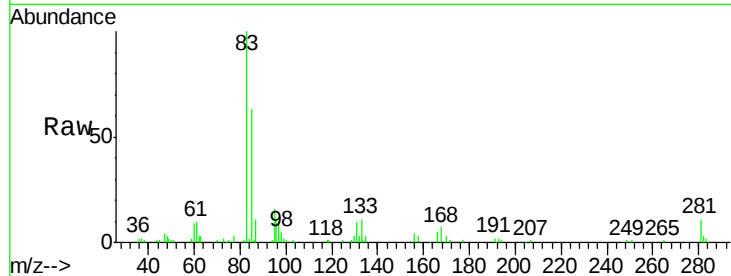
Tot Ion: 83 Resp: 104223

Ion Ratio Lower Upper

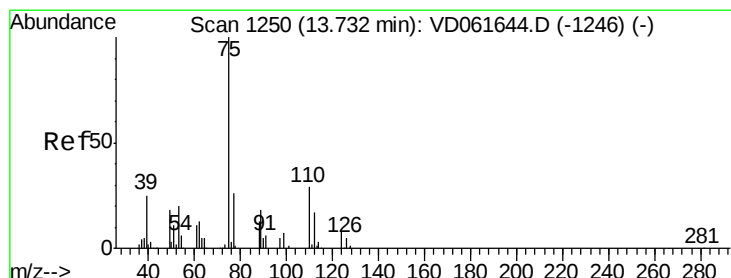
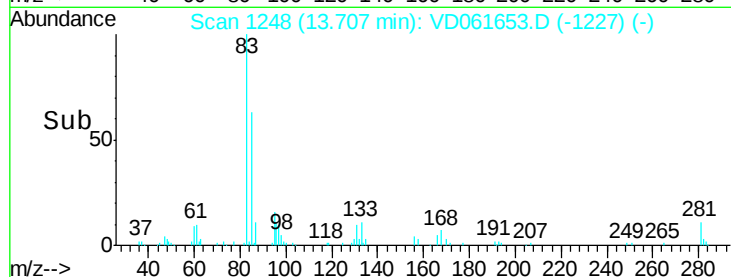
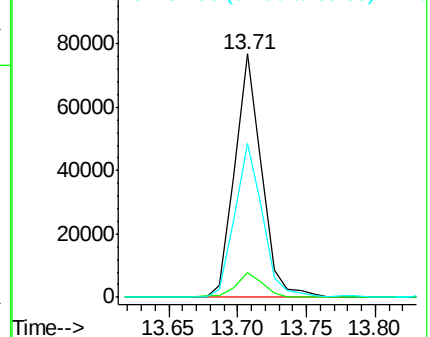
83 100

131 10.2 5.9 17.6

85 63.2 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: 19.406 ug/l

RT: 13.74 min Scan# 1251

Delta R.T. 0.00 min

Lab File: VD061653.D

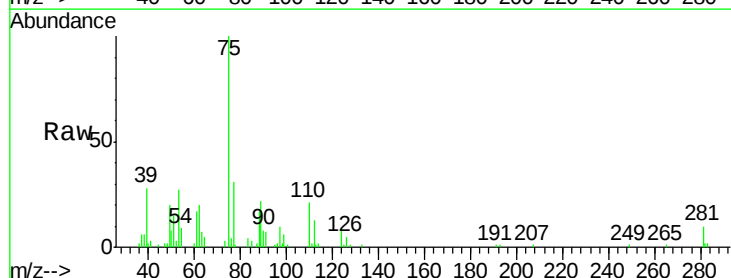
Acq: 8 Apr 2019 16:16

Tgt Ion: 75 Resp: 103507

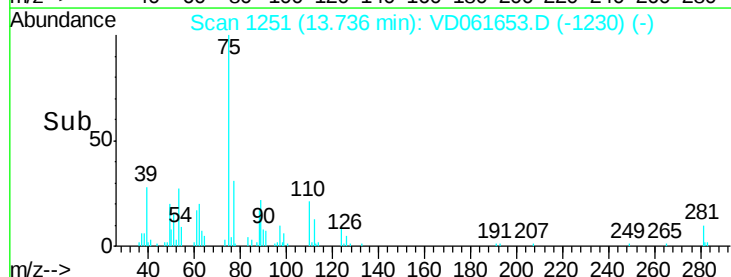
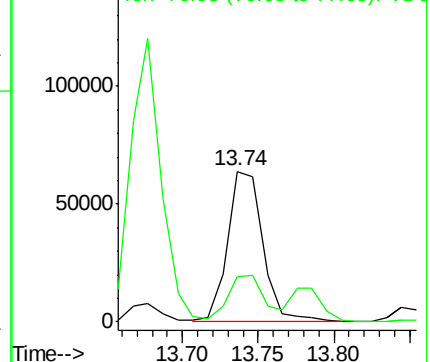
Ion Ratio Lower Upper

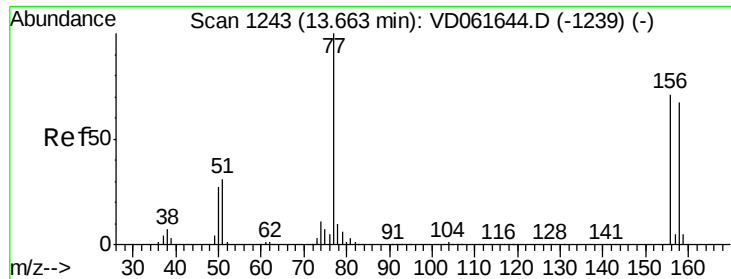
75 100

77 30.6 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: 18.278 ug/l

RT: 13.68 min Scan# 1245

Delta R.T. 0.01 min

Lab File: VD061653.D

Acq: 8 Apr 2019 16:16

Instrument :

MSVOA_D

ClientSampleId :

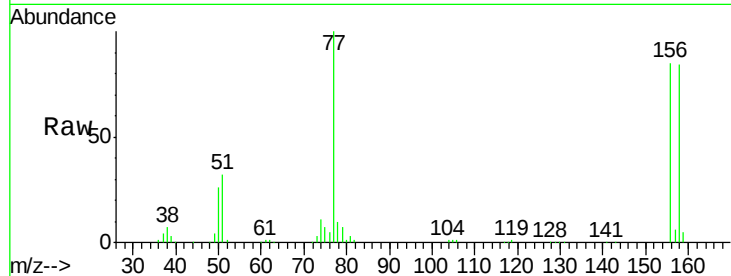
Tot Ion:156 Resp: 138589

Ion Ratio Lower Upper

156 100

77 117.2 70.3 210.8

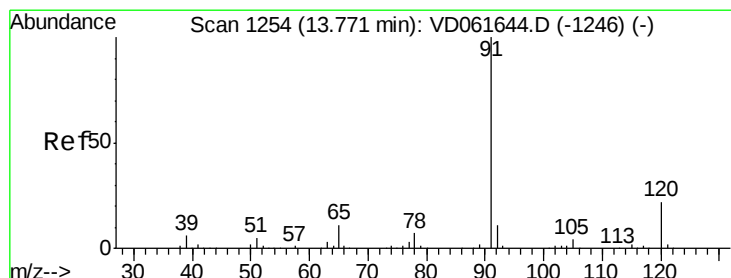
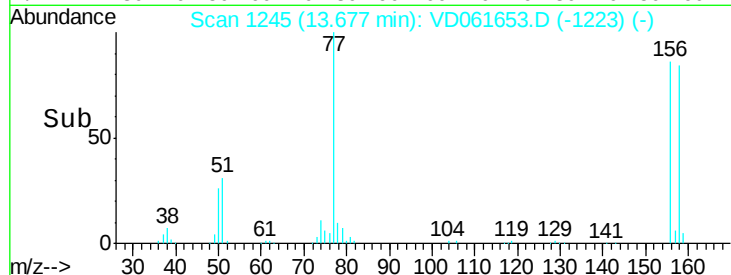
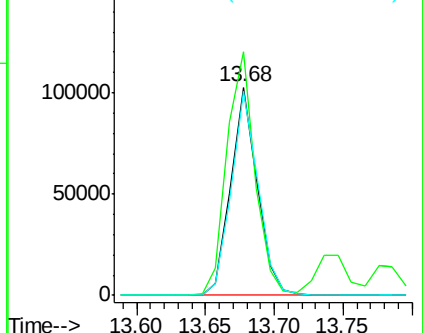
158 98.1 47.4 142.2



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: 20.154 ug/l

RT: 13.79 min Scan# 1256

Delta R.T. 0.01 min

Lab File: VD061653.D

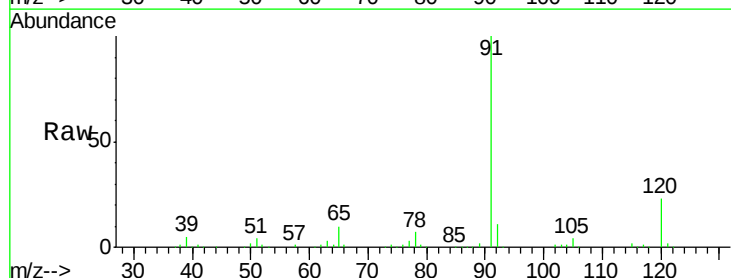
Acq: 8 Apr 2019 16:16

Tgt Ion: 91 Resp: 629775

Ion Ratio Lower Upper

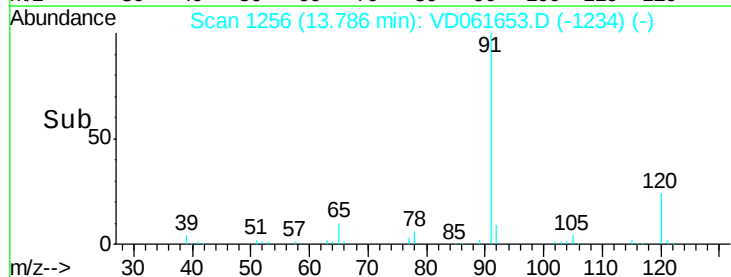
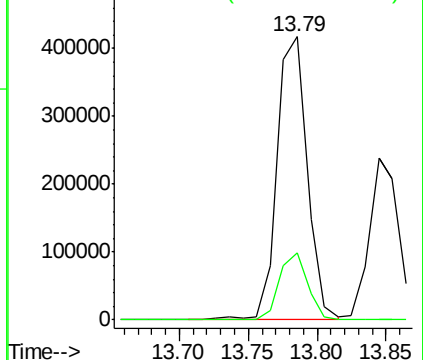
91 100

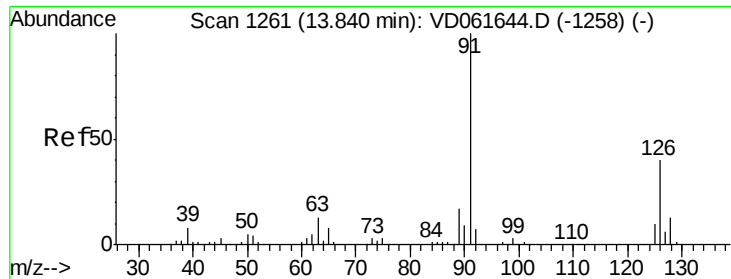
120 23.5 10.8 32.4



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V

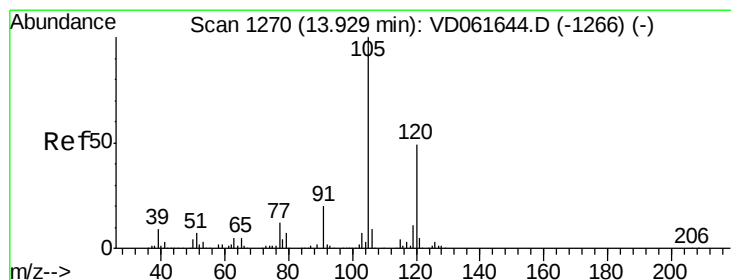
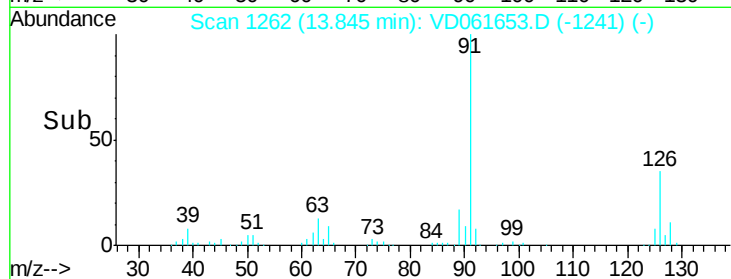
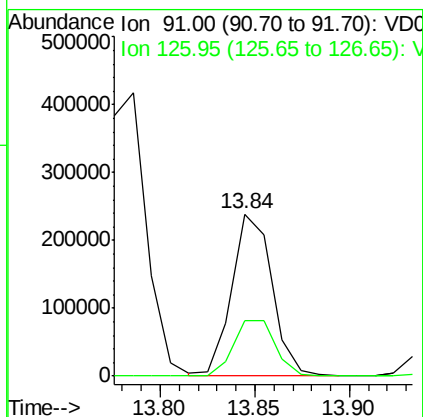
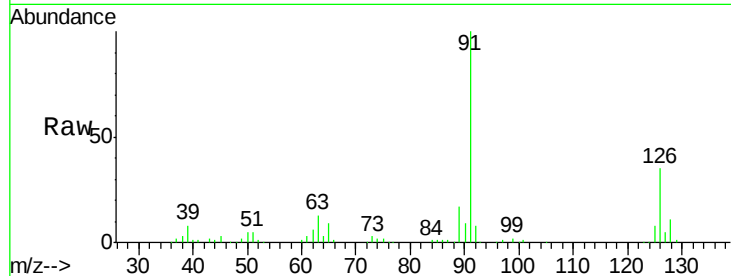




#79
 2-Chlorotoluene
 Concen: 19.661 ug/l
 RT: 13.84 min Scan# 1262
 Delta R.T. 0.00 min
 Lab File: VD061653.D
 Acq: 8 Apr 2019 16:16

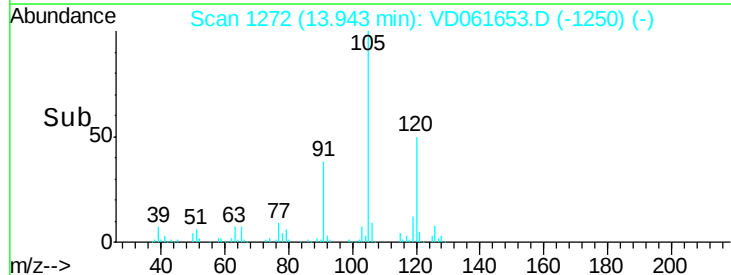
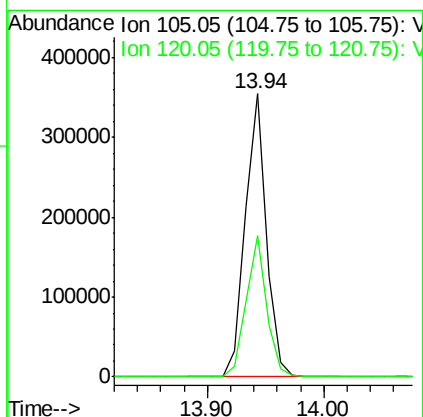
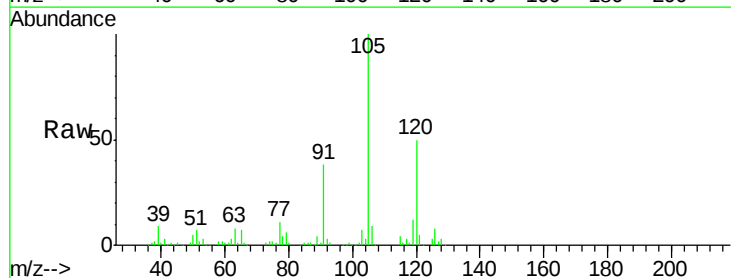
Instrument :
 MSVOA_D
 ClientSampleId :

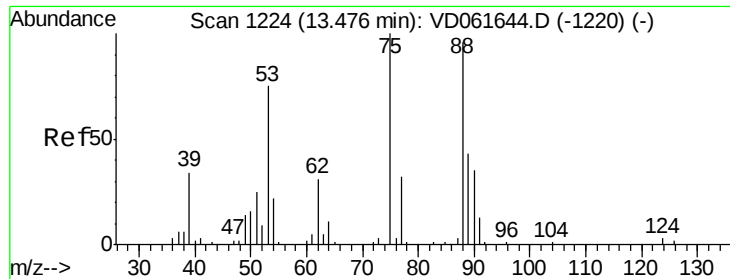
Tot Ion: 91 Resp: 351332
 Ion Ratio Lower Upper
 91 100
 126 34.6 20.0 59.9



#80
 1,3,5-Trimethylbenzene
 Concen: 21.423 ug/l
 RT: 13.94 min Scan# 1272
 Delta R.T. 0.01 min
 Lab File: VD061653.D
 Acq: 8 Apr 2019 16:16

Tgt Ion: 105 Resp: 444170
 Ion Ratio Lower Upper
 105 100
 120 49.9 24.4 73.2





#81

trans-1,4-Dichloro-2-butene

Concen: 20.681 ug/l

RT: 13.48 min Scan# 1225

Delta R.T. 0.00 min

Lab File: VD061653.D

Acq: 8 Apr 2019 16:16

Instrument :

MSVOA_D

ClientSampleId :

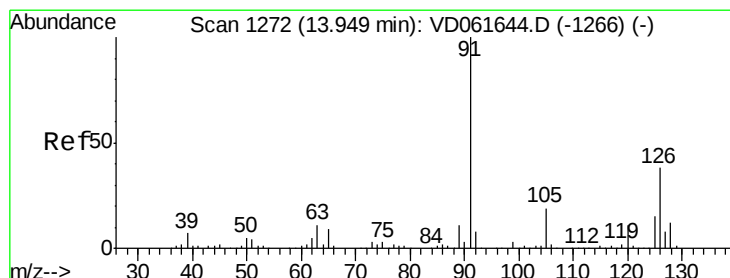
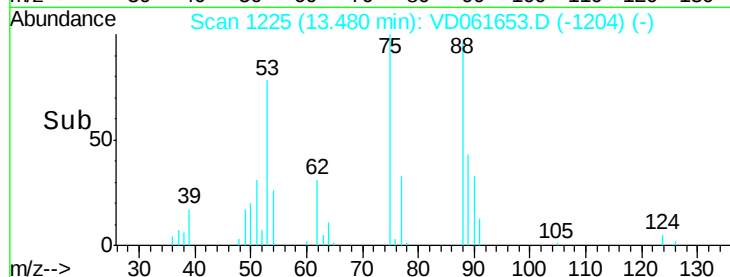
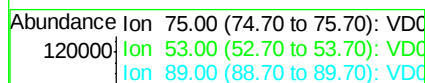
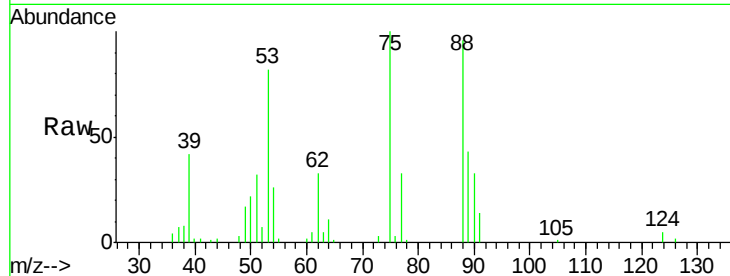
Tot Ion: 75 Resp: 33474

Ion Ratio Lower Upper

75 100

53 82.3 60.2 90.2

89 43.2 34.2 51.2



#82

4-Chlorotoluene

Concen: 20.275 ug/l

RT: 13.95 min Scan# 1273

Delta R.T. 0.00 min

Lab File: VD061653.D

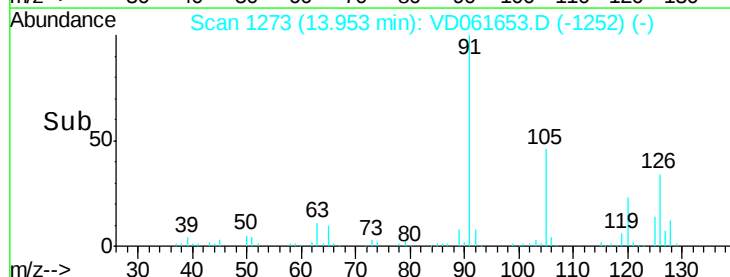
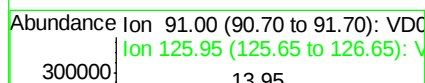
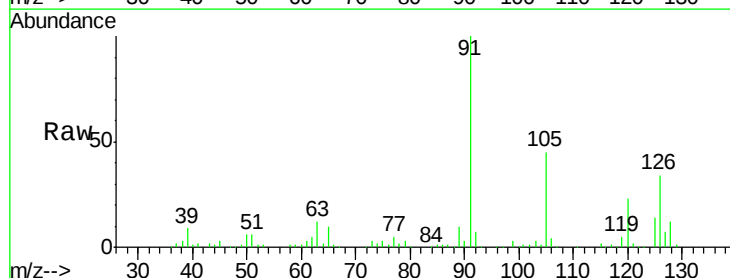
Acq: 8 Apr 2019 16:16

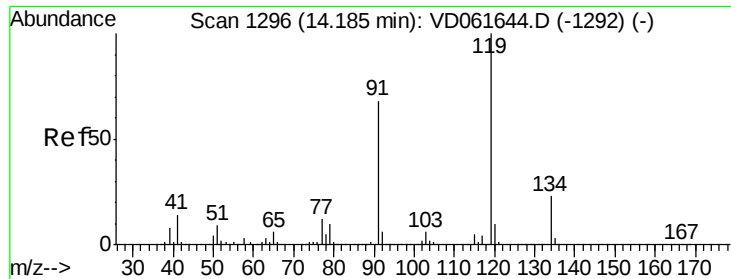
Tgt Ion: 91 Resp: 397005

Ion Ratio Lower Upper

91 100

126 34.2 19.0 57.0

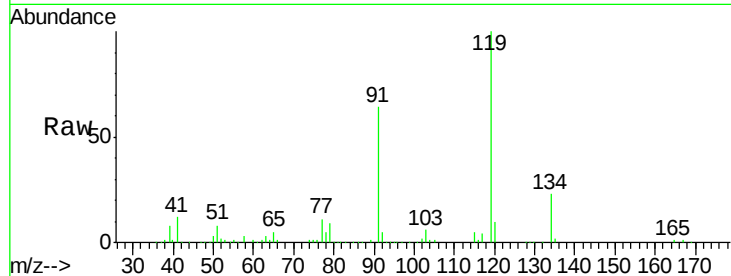




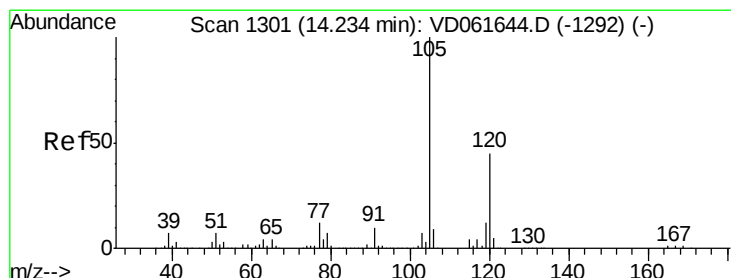
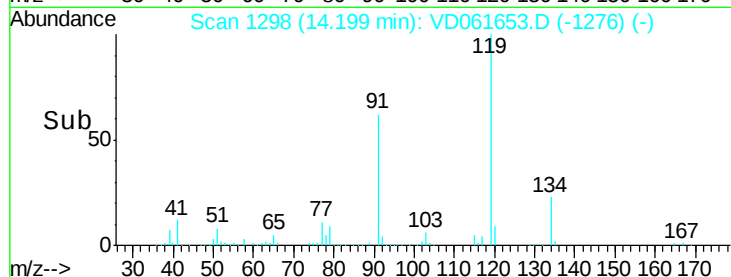
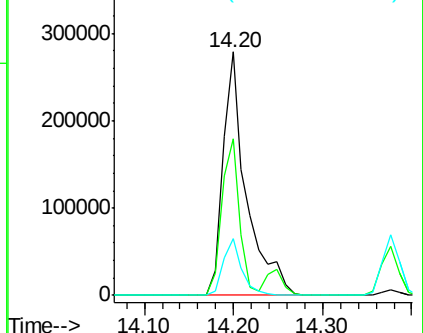
#83
tert-Butylbenzene
Concen: 20.537 ug/l
RT: 14.20 min Scan# 1298
Delta R.T. 0.01 min
Lab File: VD061653.D
Acq: 8 Apr 2019 16:16

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:119 Resp: 513387
Ion Ratio Lower Upper
119 100
91 64.4 33.9 101.6
134 23.3 11.6 34.8

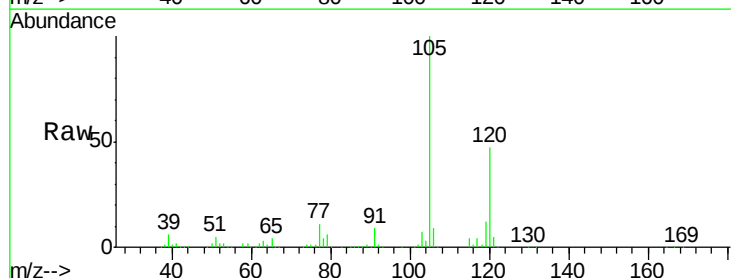


Abundance Ion 119.05 (118.75 to 119.75): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

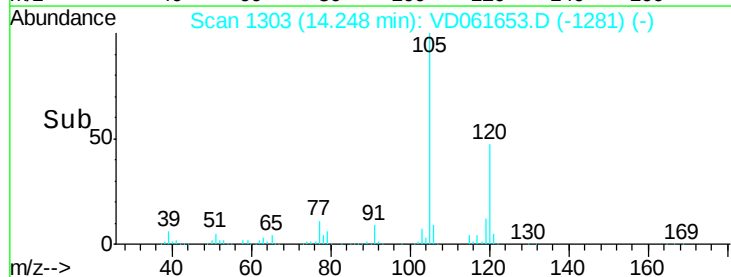
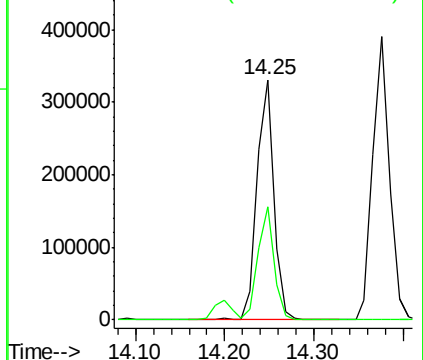


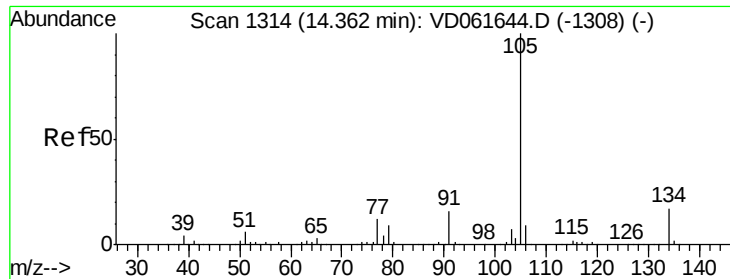
#84
1,2,4-Trimethylbenzene
Concen: 20.550 ug/l
RT: 14.25 min Scan# 1303
Delta R.T. 0.01 min
Lab File: VD061653.D
Acq: 8 Apr 2019 16:16

Tgt Ion:105 Resp: 430011
Ion Ratio Lower Upper
105 100
120 47.3 22.6 67.8



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

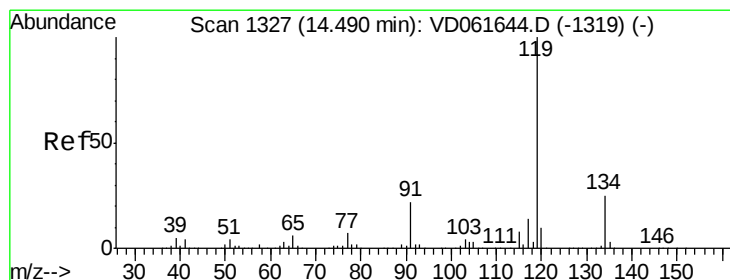
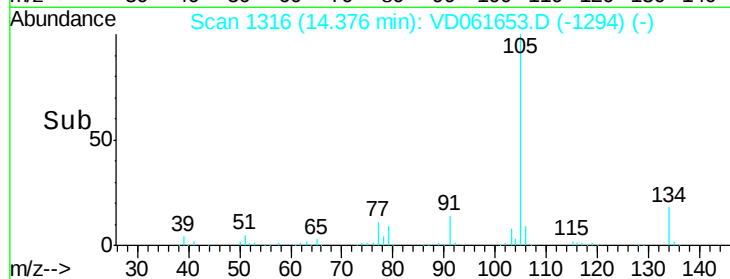
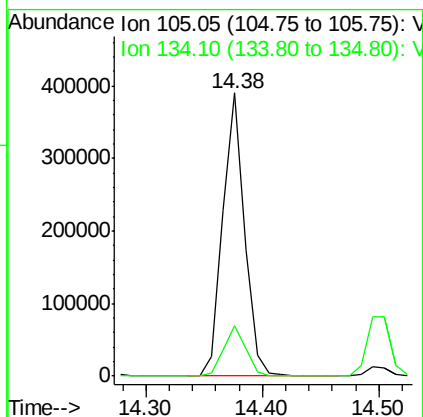
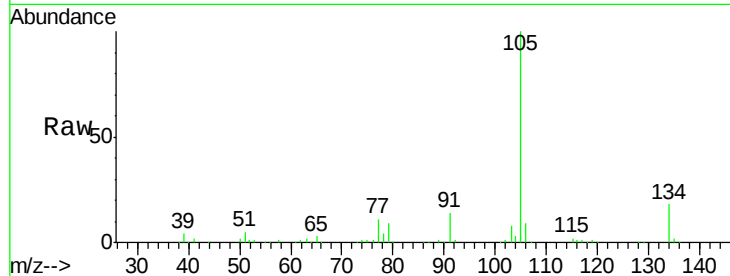




#85
 sec-Butylbenzene
 Concen: 18.702 ug/l
 RT: 14.38 min Scan# 1316
 Delta R.T. 0.01 min
 Lab File: VD061653.D
 Acq: 8 Apr 2019 16:16

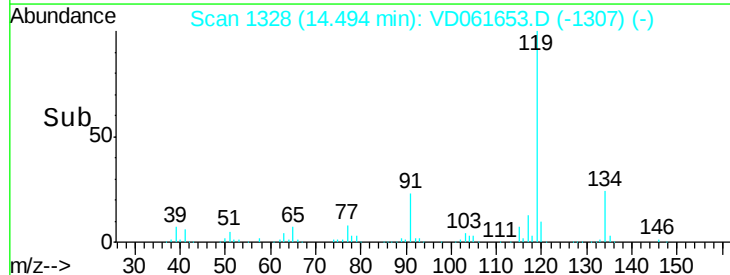
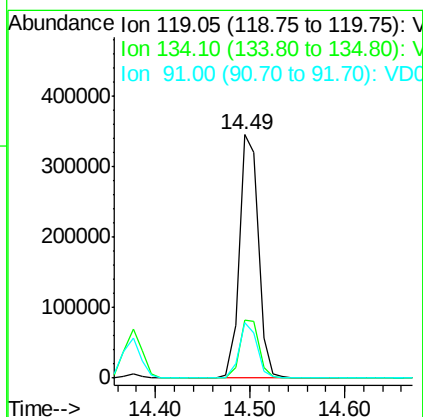
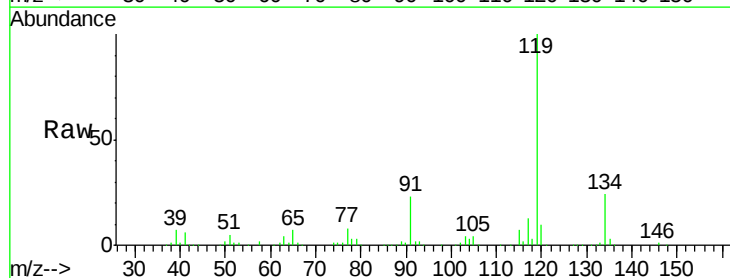
Instrument :
 MSVOA_D
 ClientSampleId :

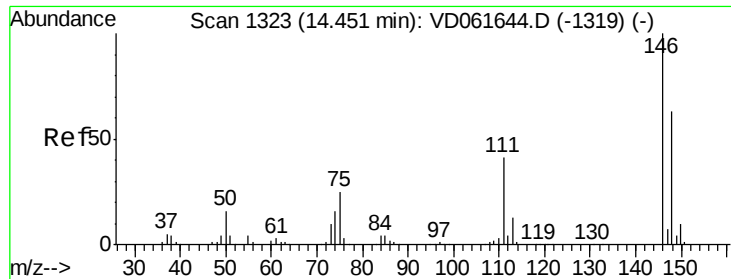
Tot Ion:105 Resp: 505117
 Ion Ratio Lower Upper
 105 100
 134 17.8 8.6 25.7



#86
 p-Isopropyltoluene
 Concen: 20.522 ug/l
 RT: 14.49 min Scan# 1328
 Delta R.T. 0.00 min
 Lab File: VD061653.D
 Acq: 8 Apr 2019 16:16

Tgt Ion:119 Resp: 480837
 Ion Ratio Lower Upper
 119 100
 134 23.8 12.5 37.5
 91 22.8 11.0 33.0

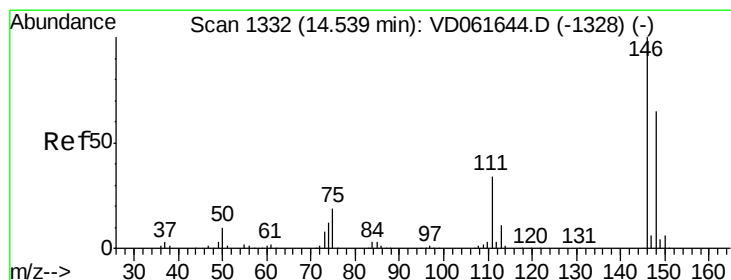
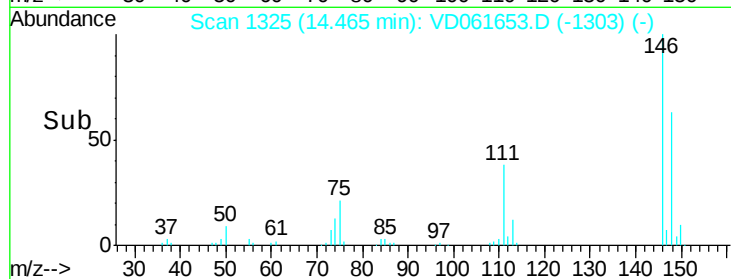
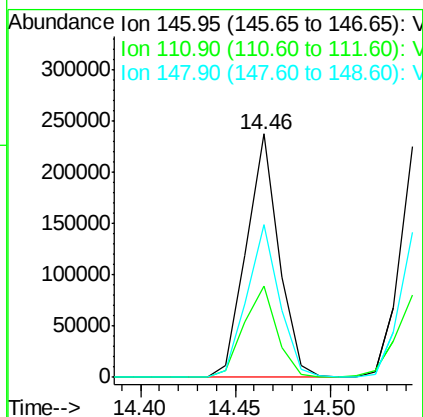
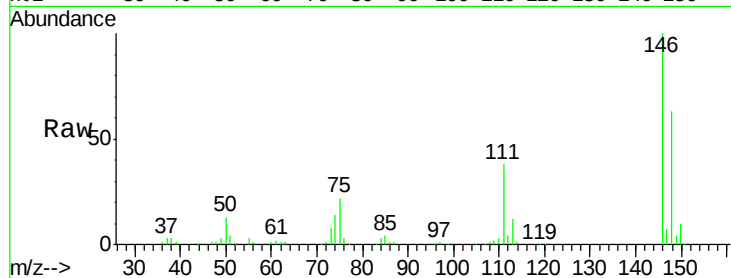




#87
 1,3-Dichlorobenzene
 Concen: 21.722 ug/l
 RT: 14.46 min Scan# 1325
 Delta R.T. 0.01 min
 Lab File: VD061653.D
 Acq: 8 Apr 2019 16:16

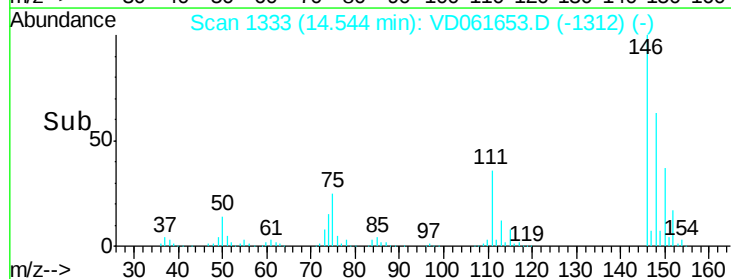
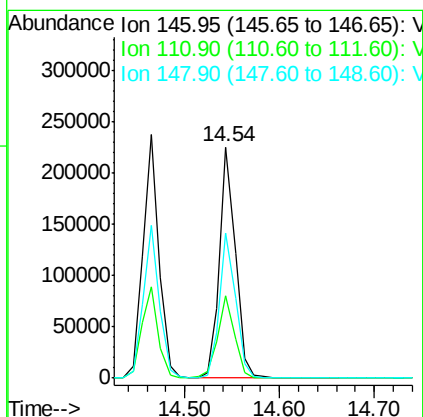
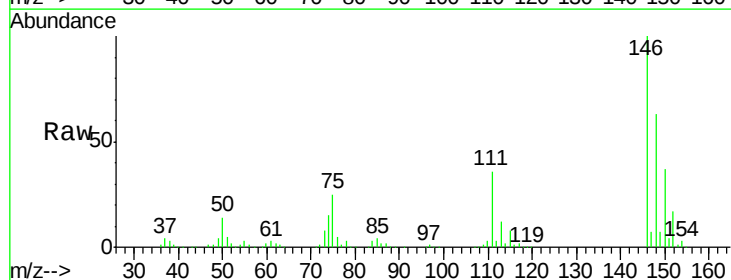
Instrument :
 MSVOA_D
 ClientSampleId :

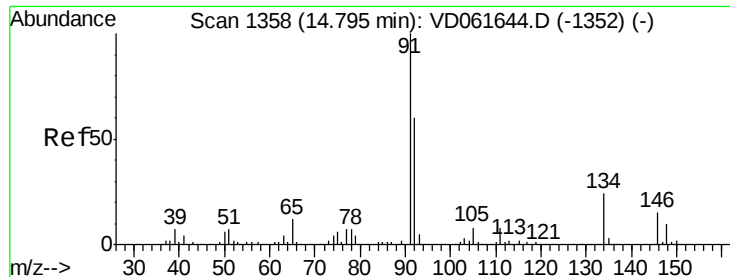
Tot Ion:146 Resp: 283460
 Ion Ratio Lower Upper
 146 100
 111 37.7 20.3 61.0
 148 62.6 31.7 95.1



#88
 1,4-Dichlorobenzene
 Concen: 20.047 ug/l
 RT: 14.54 min Scan# 1333
 Delta R.T. 0.00 min
 Lab File: VD061653.D
 Acq: 8 Apr 2019 16:16

Tgt Ion:146 Resp: 263958
 Ion Ratio Lower Upper
 146 100
 111 35.6 17.1 51.2
 148 62.7 32.6 97.7

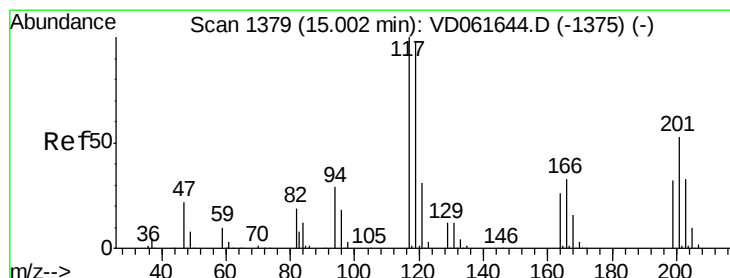
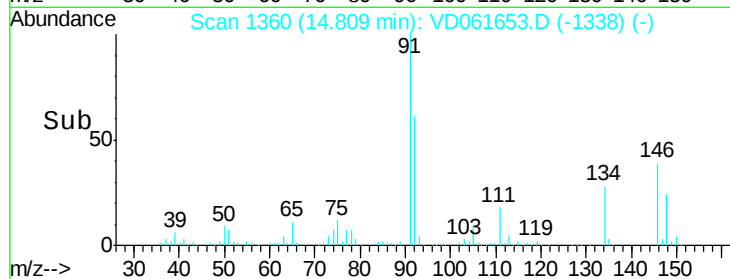
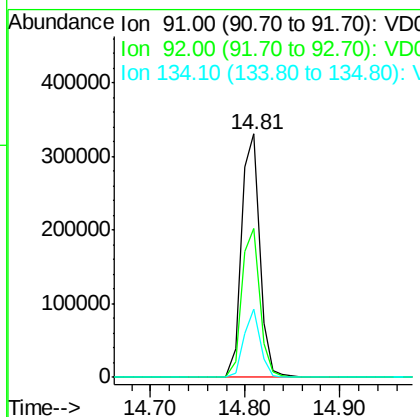
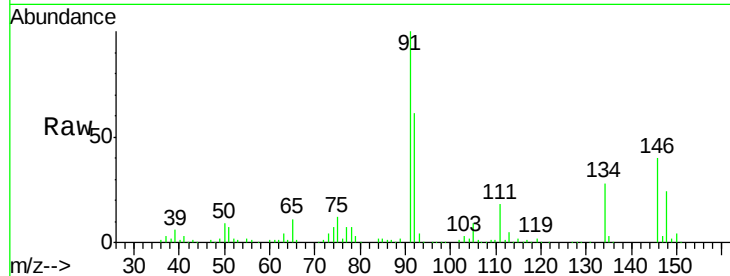




#89
n-Butylbenzene
Concen: 21.704 ug/l
RT: 14.81 min Scan# 1360
Delta R.T. 0.01 min
Lab File: VD061653.D
Acq: 8 Apr 2019 16:16

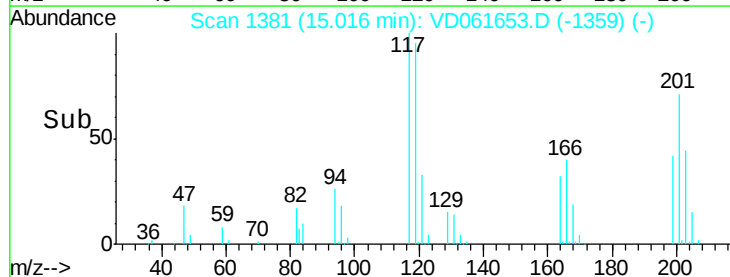
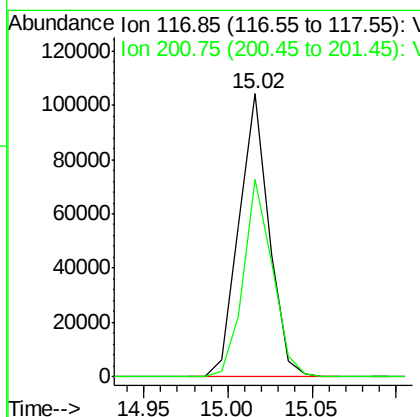
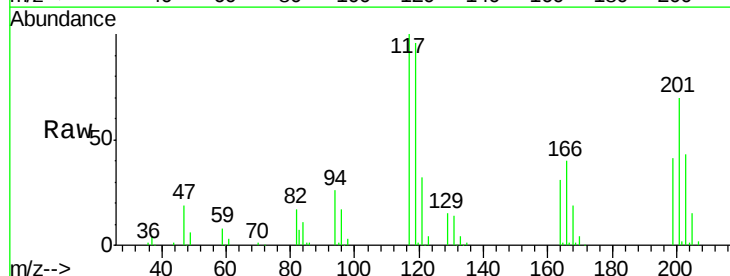
Instrument :
MSVOA_D
ClientSampleID :

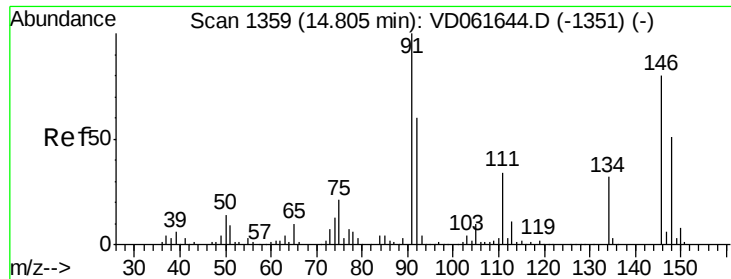
Tot Ion: 91 Resp: 442013
Ion Ratio Lower Upper
91 100
92 61.4 29.8 89.4
134 28.0 12.2 36.4



#90
Hexachloroethane
Concen: 20.274 ug/l
RT: 15.02 min Scan# 1381
Delta R.T. 0.01 min
Lab File: VD061653.D
Acq: 8 Apr 2019 16:16

Tgt Ion: 117 Resp: 128895
Ion Ratio Lower Upper
117 100
201 69.9 26.3 78.8

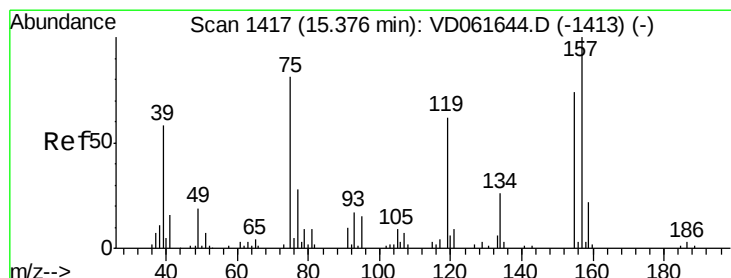
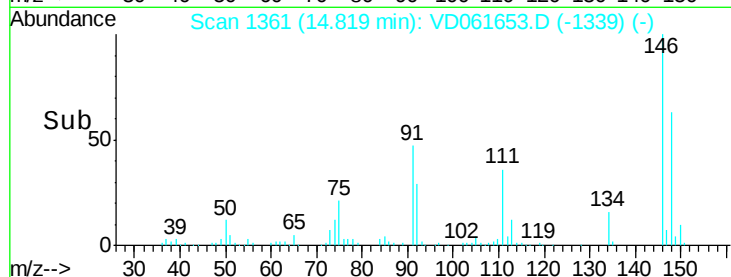
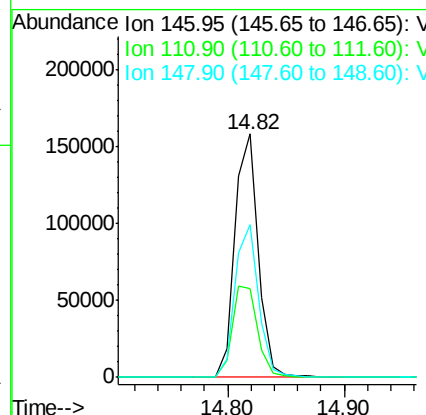
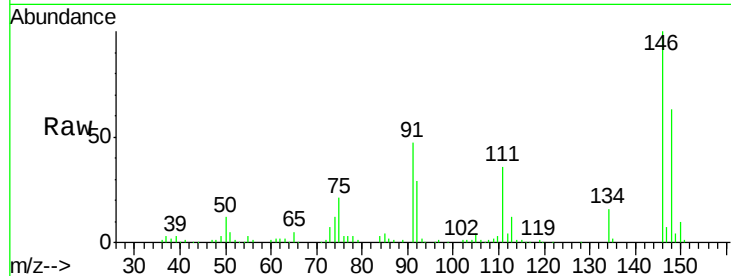




#91
 1,2-Dichlorobenzene
 Concen: 20.463 ug/l
 RT: 14.82 min Scan# 1361
 Delta R.T. 0.01 min
 Lab File: VD061653.D
 Acq: 8 Apr 2019 16:16

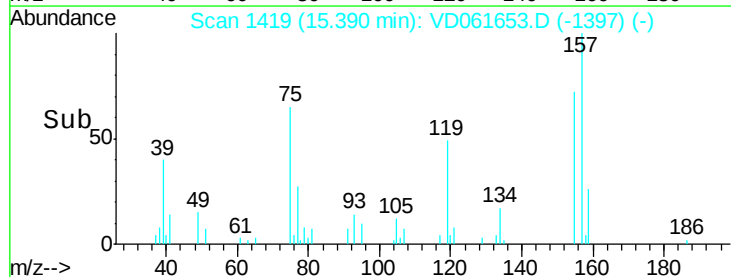
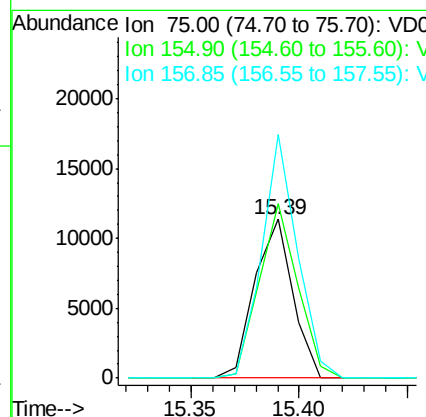
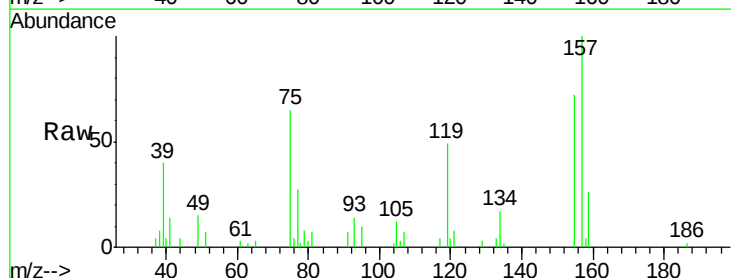
Instrument :
 MSVOA_D
 ClientSampled :

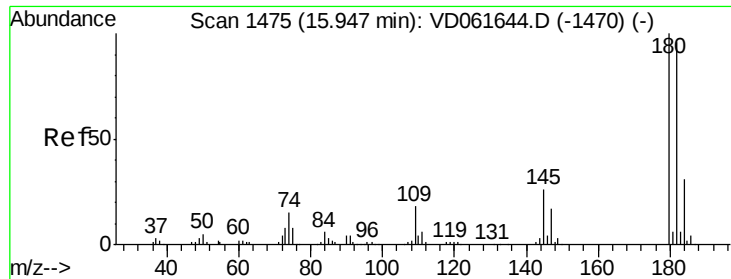
Tot Ion:146 Resp: 220082
 Ion Ratio Lower Upper
 146 100
 111 36.4 21.1 63.3
 148 63.0 31.7 95.1



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 21.439 ug/l
 RT: 15.39 min Scan# 1419
 Delta R.T. 0.02 min
 Lab File: VD061653.D
 Acq: 8 Apr 2019 16:16

Tgt Ion: 75 Resp: 13974
 Ion Ratio Lower Upper
 75 100
 155 110.1 45.6 136.7
 157 153.3 61.4 184.2

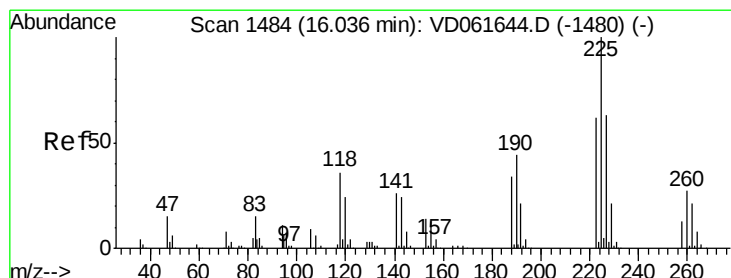
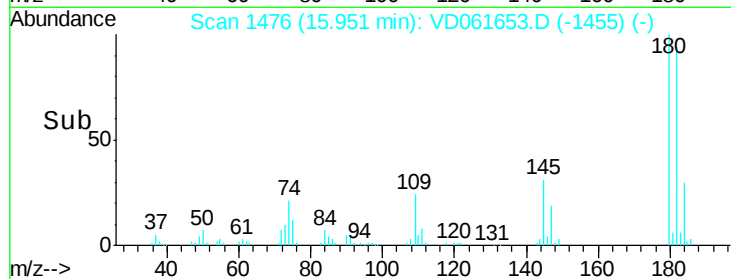
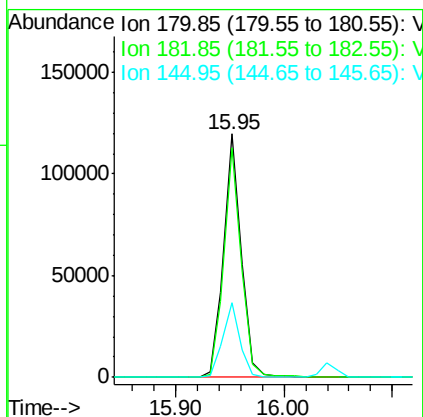
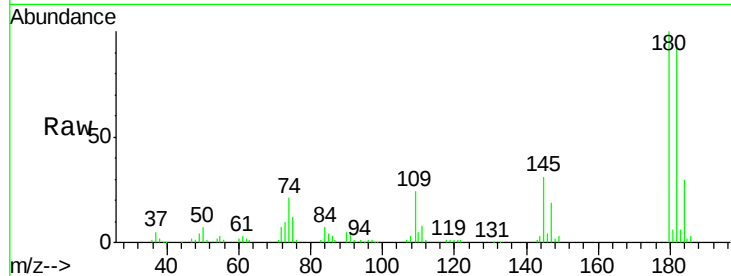




#93
 1,2,4-Trichlorobenzene
 Concen: 24.882 ug/l
 RT: 15.95 min Scan# 1476
 Delta R.T. 0.00 min
 Lab File: VD061653.D
 Acq: 8 Apr 2019 16:16

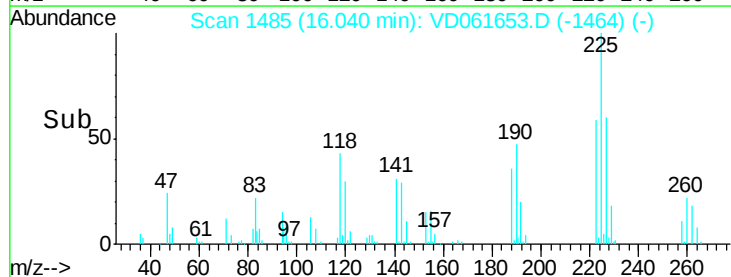
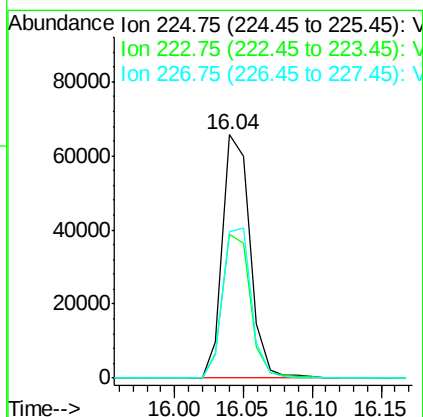
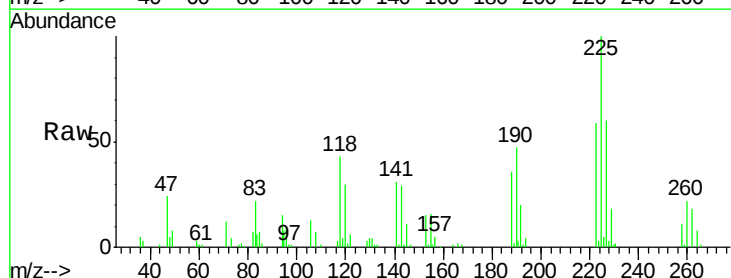
Instrument :
 MSVOA_D
 ClientSampled :

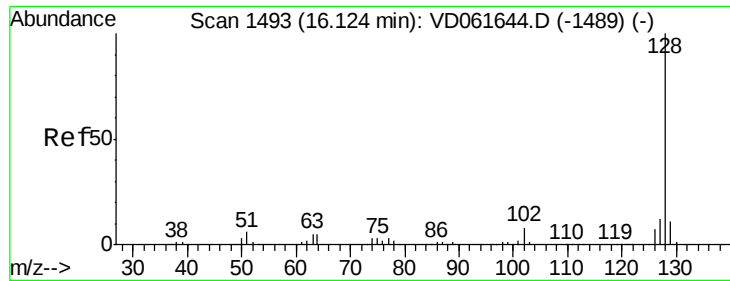
Tot Ion:180 Resp: 136335
 Ion Ratio Lower Upper
 180 100
 182 94.4 47.8 143.3
 145 30.5 13.3 39.8



#94
 Hexachlorobutadiene
 Concen: 21.485 ug/l
 RT: 16.04 min Scan# 1485
 Delta R.T. 0.00 min
 Lab File: VD061653.D
 Acq: 8 Apr 2019 16:16

Tgt Ion:225 Resp: 90900
 Ion Ratio Lower Upper
 225 100
 223 59.2 30.8 92.3
 227 60.1 31.5 94.5

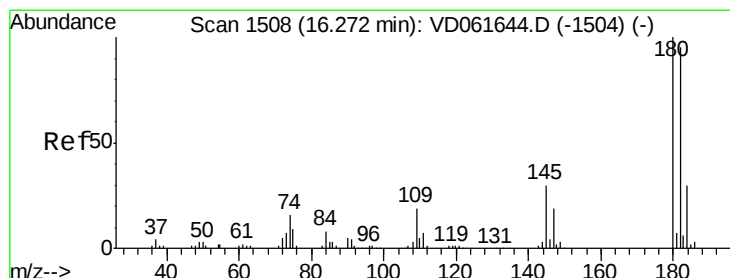
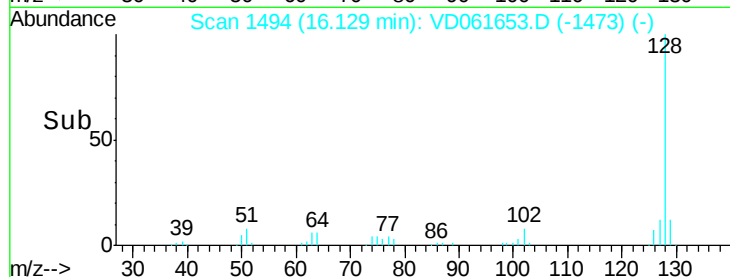
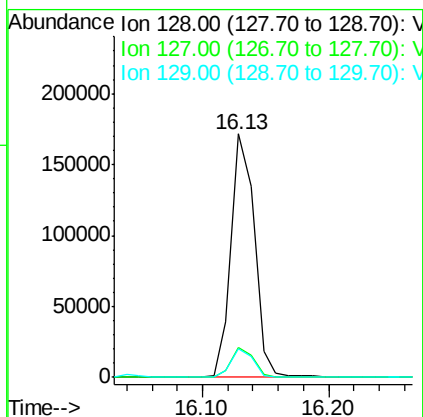
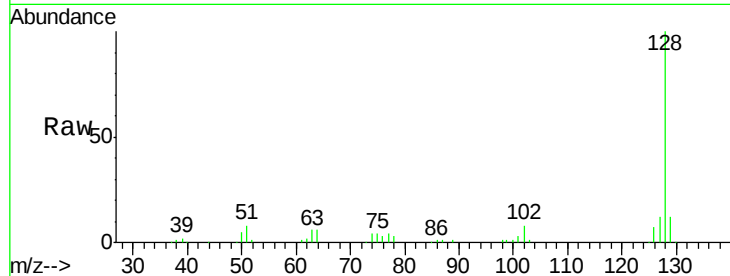




#95
Naphthalene
Concen: 25.453 ug/l
RT: 16.13 min Scan# 1494
Delta R.T. 0.00 min
Lab File: VD061653.D
Acq: 8 Apr 2019 16:16

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:128 Resp: 220672
Ion Ratio Lower Upper
128 100
127 12.5 9.4 14.2
129 11.7 8.8 13.2



#96
1,2,3-Trichlorobenzene
Concen: 34.019 ug/l
RT: 16.28 min Scan# 1509
Delta R.T. 0.00 min
Lab File: VD061653.D
Acq: 8 Apr 2019 16:16

Tgt Ion:180 Resp: 93029
Ion Ratio Lower Upper
180 100
182 96.2 47.3 142.0
145 33.1 15.1 45.3

