

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD041119\NOT REVIEWED DATA\
 Data File : VD061761.D
 Acq On : 12 Apr 2019 3:19
 Operator : VA/AP
 Sample : VD0411SBSD02
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Apr 12 04:21:44 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	7.03	168	516329	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.20	114	888141	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.35	117	721016	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.51	152	335134	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.44	65	212251	54.23	ug/l	0.00
Spiked Amount			Recovery	=	108.46%	
35) Dibromofluoromethane	6.91	113	298209	48.47	ug/l	0.00
Spiked Amount			Recovery	=	96.94%	
50) Toluene-d8	10.40	98	694522	44.93	ug/l	0.00
Spiked Amount			Recovery	=	89.86%	
62) 4-Bromofluorobenzene	13.55	95	301818	57.26	ug/l	0.00
Spiked Amount			Recovery	=	114.52%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.57	85	99041	17.780	ug/l	99
3) Chloromethane	1.75	50	94514	20.997	ug/l	97
4) Vinyl Chloride	1.84	62	85163	20.247	ug/l	96
5) Bromomethane	2.15	94	21472	22.055	ug/l	92
6) Chloroethane	2.24	64	25807	19.589	ug/l	100
7) Trichlorofluoromethane	2.52	101	137106	21.588	ug/l	97
8) Diethyl Ether	2.85	74	37140	20.838	ug/l	88
9) 1,1,2-Trichlorotrifluoroet	3.14	101	128079	20.513	ug/l	99
10) Methyl Iodide	3.30	142	181953	21.767	ug/l	100
11) Tert butyl alcohol	4.06	59	30438	116.045	ug/l #	91
12) 1,1-Dichloroethene	3.12	96	109092	20.267	ug/l	98
13) Acrolein	3.02	56	19899	62.225	ug/l	90
14) Allyl chloride	3.60	41	154987	21.111	ug/l	98
15) Acrylonitrile	4.18	53	100157	110.927	ug/l	94
16) Acetone	3.21	43	110147	94.147	ug/l	98
17) Carbon Disulfide	3.37	76	324515	18.554	ug/l	98
18) Methyl Acetate	3.62	43	56199	25.531	ug/l	97
19) Methyl tert-butyl Ether	4.22	73	224879	24.128	ug/l	99
20) Methylene Chloride	3.80	84	164290	24.746	ug/l	97
21) trans-1,2-Dichloroethene	4.20	96	126169	21.582	ug/l	100
22) Diisopropyl ether	5.10	45	321908	20.914	ug/l	98
23) Vinyl Acetate	5.04	43	928093	109.276	ug/l	99
24) 1,1-Dichloroethane	4.97	63	204742	21.707	ug/l	98
25) 2-Butanone	6.05	43	148552	110.140	ug/l	97
26) 2,2-Dichloropropane	6.00	77	154224	20.081	ug/l	100
27) cis-1,2-Dichloroethene	6.02	96	138714	22.241	ug/l	94
28) Bromochloromethane	6.42	49	74751	21.484	ug/l	97
29) Tetrahydrofuran	6.44	42	79099	121.487	ug/l	97
30) Chloroform	6.65	83	223682	22.637	ug/l	99
31) Cyclohexane	6.94	56	135208	18.349	ug/l	94
32) 1,1,1-Trichloroethane	6.86	97	194203	22.428	ug/l	97
36) 1,1-Dichloropropene	7.13	75	165507	21.293	ug/l	97
37) Ethyl Acetate	6.16	43	71448	22.567	ug/l #	96
38) Carbon Tetrachloride	7.10	117	196121	21.529	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.85	83	160571	20.121	ug/l	93
40) Benzene	7.44	78	398742	21.264	ug/l	97
41) Methacrylonitrile	6.42	41	89146	24.120	ug/l #	94
42) 1,2-Dichloroethane	7.56	62	140534	23.830	ug/l	96
43) Isopropyl Acetate	9.22	43	109192	23.764	ug/l #	99
44) Trichloroethene	8.52	130	142600	19.836	ug/l	99
45) 1,2-Dichloropropane	8.93	63	101402	21.805	ug/l	98
46) Dibromomethane	9.05	93	79148	23.814	ug/l	97
47) Bromodichloromethane	9.36	83	171184	23.451	ug/l	99
48) Methyl methacrylate	9.11	41	61435	23.195	ug/l	95
49) 1,4-Dioxane	9.07	88	12871	440.261	ug/l	88
51) 4-Methyl-2-Pentanone	10.29	43	324510	119.422	ug/l	98
52) Toluene	10.49	92	262561	22.423	ug/l	97
53) t-1,3-Dichloropropene	10.90	75	151252	23.638	ug/l	95
54) cis-1,3-Dichloropropene	10.03	75	188035	23.839	ug/l	99
55) 1,1,2-Trichloroethane	11.17	97	94091	23.825	ug/l	96
56) Ethyl methacrylate	11.04	69	95990	23.040	ug/l	98
57) 1,3-Dichloropropane	11.40	76	131268	22.697	ug/l	92
58) 2-Chloroethyl Vinyl ether	9.84	63	236328	120.220	ug/l	98
59) 2-Hexanone	11.52	43	245849	116.578	ug/l	97
60) Dibromochloromethane	11.68	129	146148	23.423	ug/l	100
61) 1,2-Dibromoethane	11.79	107	108844	23.567	ug/l	94
64) Tetrachloroethene	11.24	164	127634	22.805	ug/l	98
65) Chlorobenzene	12.39	112	327003	22.870	ug/l	99
66) 1,1,1,2-Tetrachloroethane	12.50	131	135357	24.601	ug/l	98
67) Ethyl Benzene	12.51	91	499317	22.932	ug/l	99
68) m/p-Xylenes	12.66	106	377710	44.996	ug/l	92
69) o-Xylene	13.04	106	178674	22.050	ug/l	98
70) Styrene	13.06	104	315932	22.830	ug/l	99
71) Bromoform	13.23	173	78928	23.120	ug/l #	95
73) Isopropylbenzene	13.40	105	486927	21.806	ug/l	99
74) N-amyl acetate	13.26	43	140665	23.184	ug/l	94
75) 1,1,2,2-Tetrachloroethane	13.69	83	102187	22.132	ug/l	97
76) 1,2,3-Trichloropropane	13.72	75	103743	22.753	ug/l	95
77) Bromobenzene	13.66	156	135953	20.975	ug/l	86
78) n-propylbenzene	13.76	91	604438	22.628	ug/l	100
79) 2-Chlorotoluene	13.83	91	359743	23.551	ug/l	94
80) 1,3,5-Trimethylbenzene	13.93	105	414406	23.381	ug/l	98
81) trans-1,4-Dichloro-2-buten	13.47	75	29025	20.978	ug/l #	78
82) 4-Chlorotoluene	13.94	91	385764	23.047	ug/l	97
83) tert-Butylbenzene	14.19	119	456358	21.355	ug/l	96
84) 1,2,4-Trimethylbenzene	14.23	105	388898	21.741	ug/l	97
85) sec-Butylbenzene	14.36	105	527171	22.833	ug/l	96
86) p-Isopropyltoluene	14.48	119	438754	21.906	ug/l	95
87) 1,3-Dichlorobenzene	14.45	146	241130	21.616	ug/l	96
88) 1,4-Dichlorobenzene	14.53	146	236626	21.023	ug/l	97
89) n-Butylbenzene	14.80	91	388271	22.303	ug/l	97
90) Hexachloroethane	15.00	117	124362	22.883	ug/l	78
91) 1,2-Dichlorobenzene	14.81	146	212611	23.126	ug/l	94
92) 1,2-Dibromo-3-Chloropropan	15.38	75	14066	25.245	ug/l	74

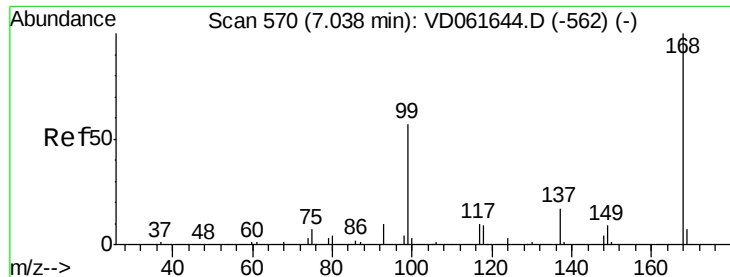
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Quant Title : SW846 8260
QLast Update : Mon Apr 08 10:04:03 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.94	180	104533	22.317	ug/l	95
94) Hexachlorobutadiene	16.04	225	76823	21.241	ug/l	97
95) Naphthalene	16.11	128	190072	25.646	ug/l	99
96) 1,2,3-Trichlorobenzene	16.26	180	64888	27.758	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.03 min Scan# 569

Delta R.T. -0.01 min

Lab File: VD061761.D

Acq: 12 Apr 2019 3:19

Instrument :

MSVOA_D

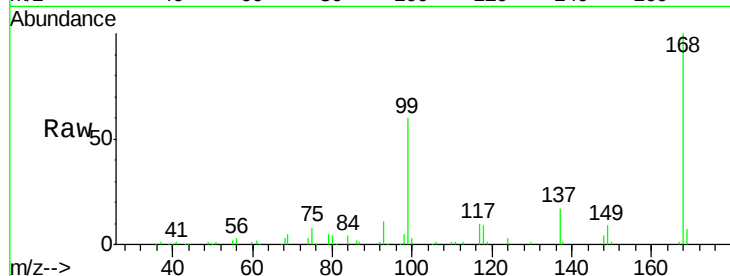
ClientSampleId :

Tot Ion:168 Resp: 516329

Ion Ratio Lower Upper

168 100

99 59.7 46.8 70.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.03

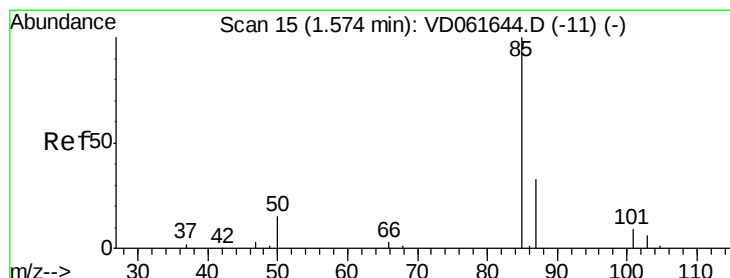
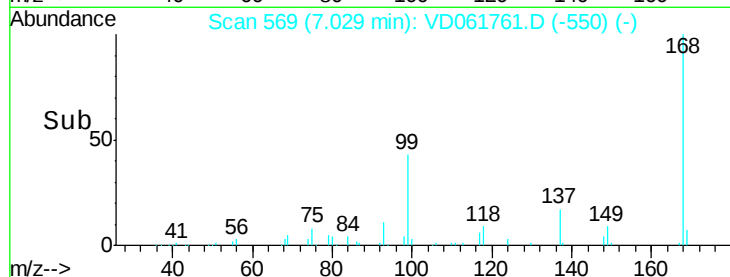
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 17.780 ug/l

RT: 1.57 min Scan# 15

Delta R.T. 0.00 min

Lab File: VD061761.D

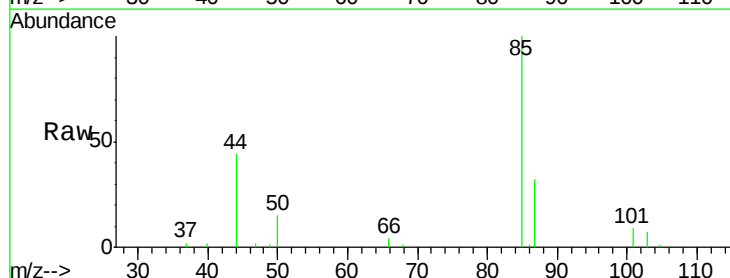
Acq: 12 Apr 2019 3:19

Tgt Ion: 85 Resp: 99041

Ion Ratio Lower Upper

85 100

87 32.4 16.6 49.8



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.57

50000

40000

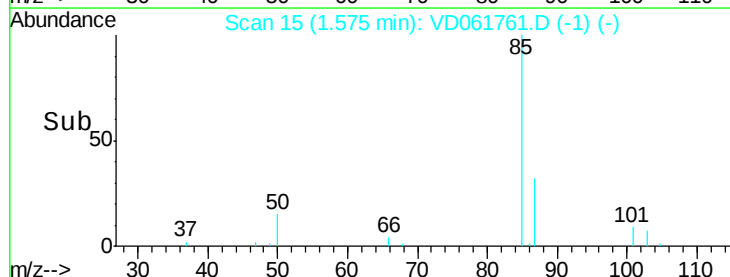
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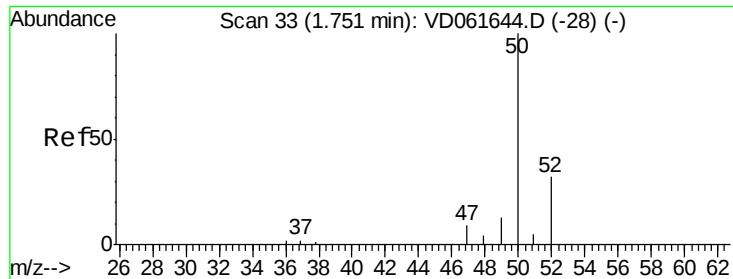
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Time-->

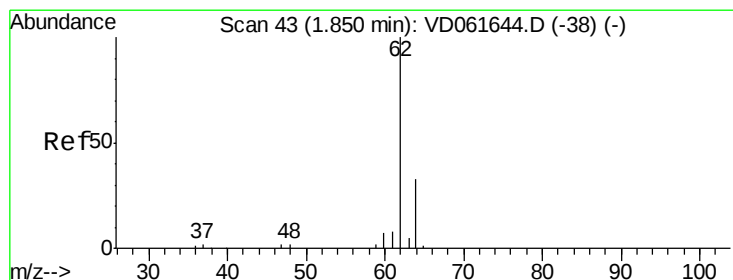
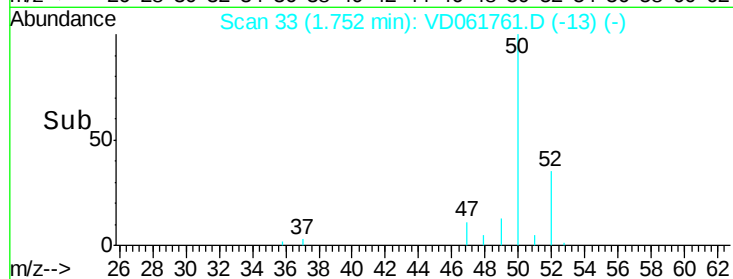
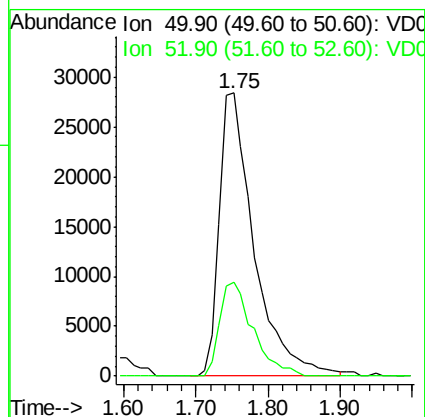
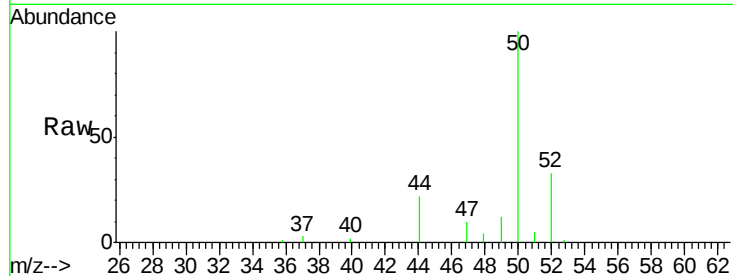




#3
Chloromethane
Concen: 20.997 ug/l
RT: 1.75 min Scan# 33
Delta R.T. 0.00 min
Lab File: VD061761.D
Acq: 12 Apr 2019 3:19

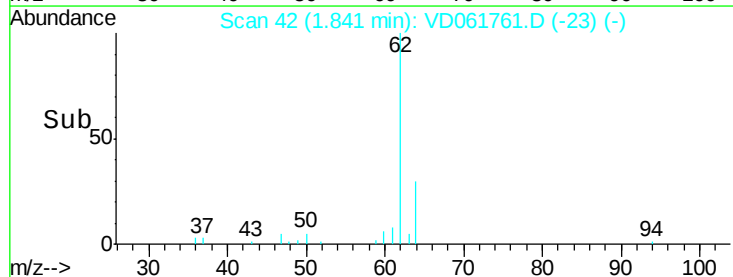
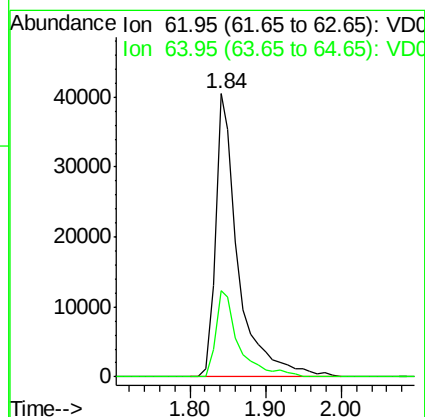
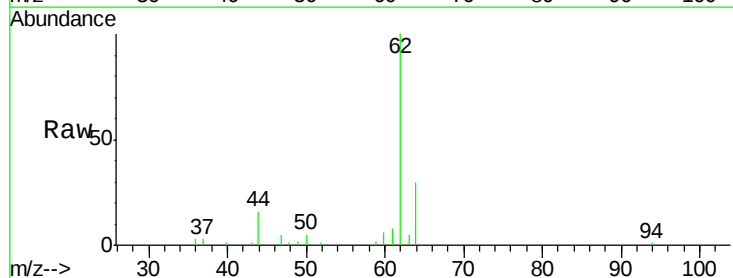
Instrument :
MSVOA_D
ClientSampleId :

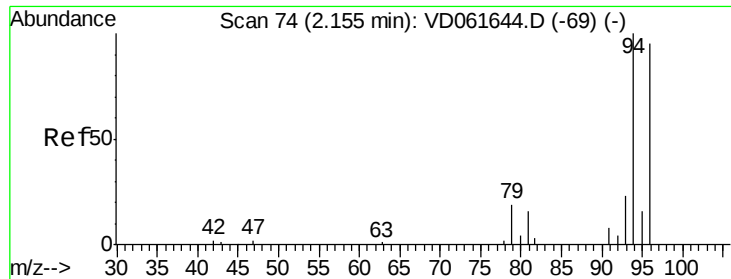
Tot Ion: 50 Resp: 94514
Ion Ratio Lower Upper
50 100
52 33.0 25.1 37.7



#4
Vinyl Chloride
Concen: 20.247 ug/l
RT: 1.84 min Scan# 42
Delta R.T. -0.01 min
Lab File: VD061761.D
Acq: 12 Apr 2019 3:19

Tgt Ion: 62 Resp: 85163
Ion Ratio Lower Upper
62 100
64 30.4 26.2 39.2

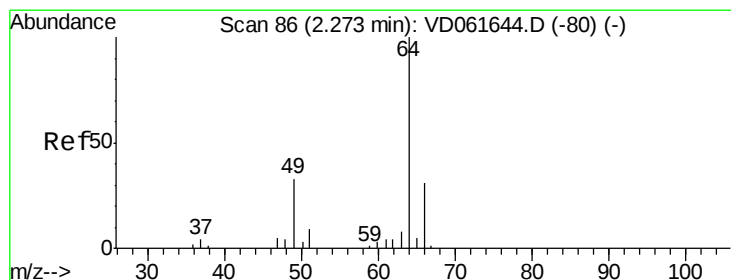
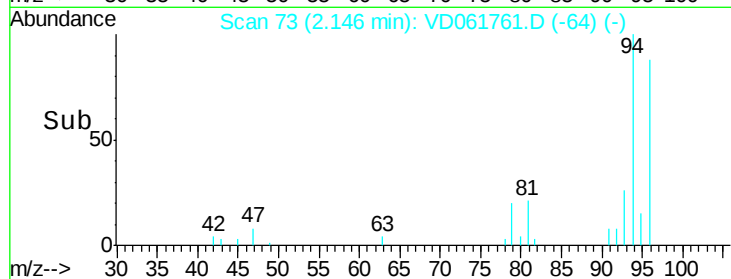
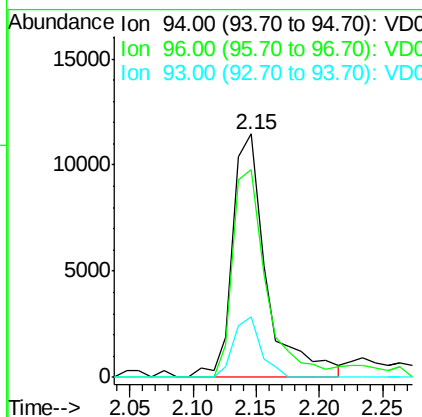
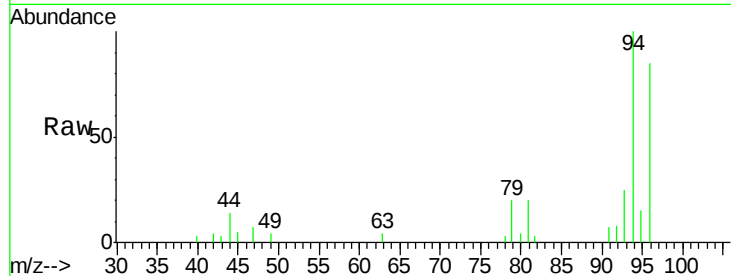




#5
Bromomethane
Concen: 22.055 ug/l
RT: 2.15 min Scan# 73
Delta R.T. -0.01 min
Lab File: VD061761.D
Acq: 12 Apr 2019 3:19

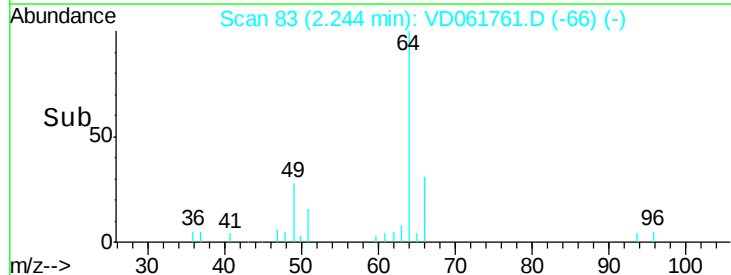
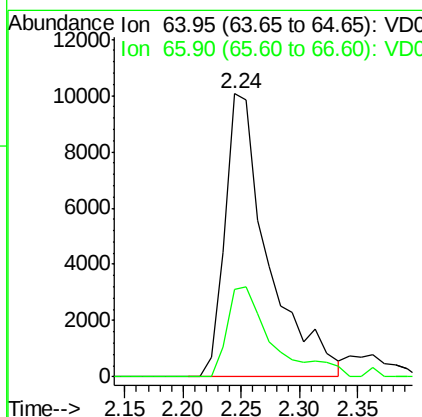
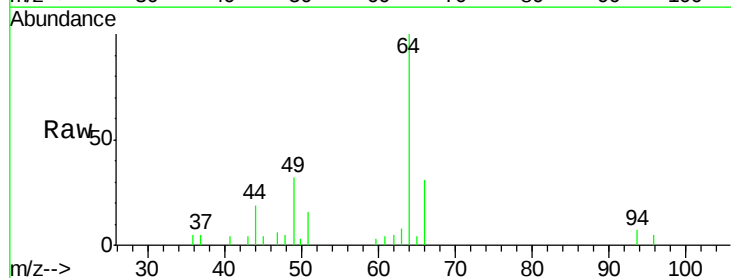
Instrument :
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ClientSampleId :

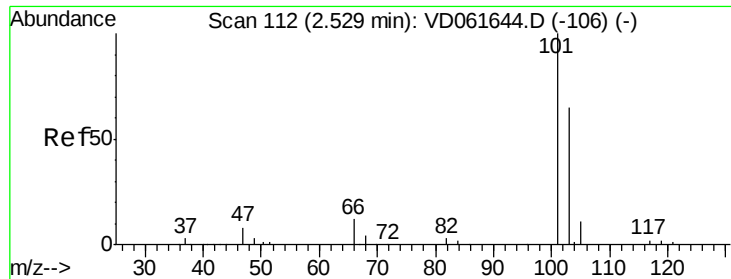
Tot Ion: 94 Resp: 21472
Ion Ratio Lower Upper
94 100
96 85.4 75.8 113.8
93 24.9 18.6 28.0



#6
Chloroethane
Concen: 19.589 ug/l
RT: 2.24 min Scan# 83
Delta R.T. -0.03 min
Lab File: VD061761.D
Acq: 12 Apr 2019 3:19

Tgt Ion: 64 Resp: 25807
Ion Ratio Lower Upper
64 100
66 31.1 24.9 37.3



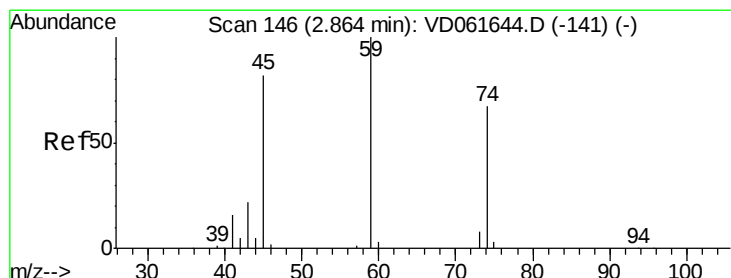
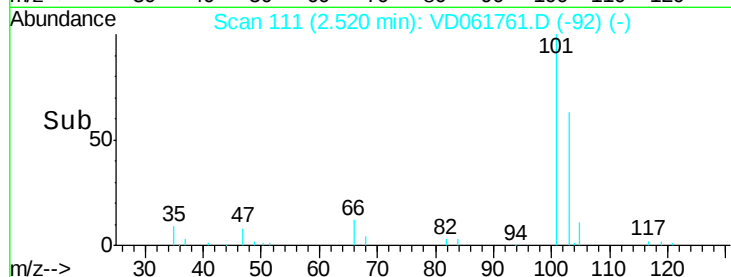
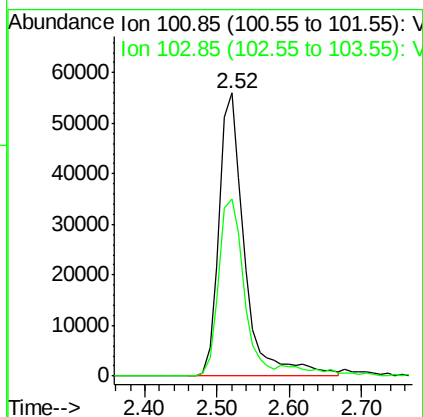
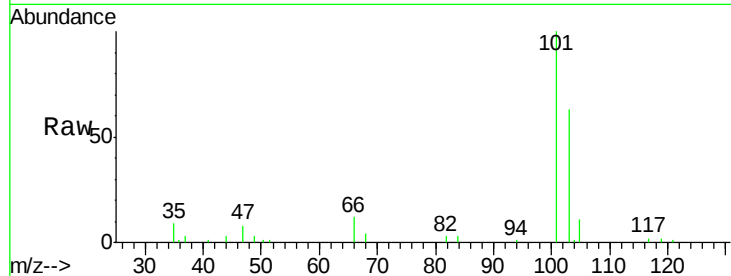


#7

Trichlorofluoromethane
 Concen: 21.588 ug/l
 RT: 2.52 min Scan# 111
 Delta R.T. -0.01 min
 Lab File: VD061761.D
 Acq: 12 Apr 2019 3:19

Instrument :
 MSVOA_D
 ClientSampled :

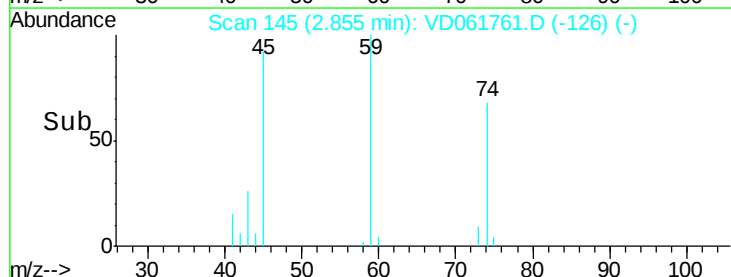
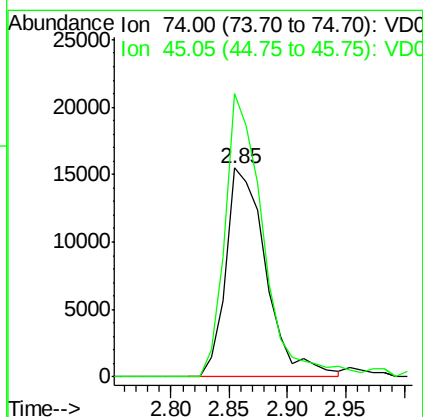
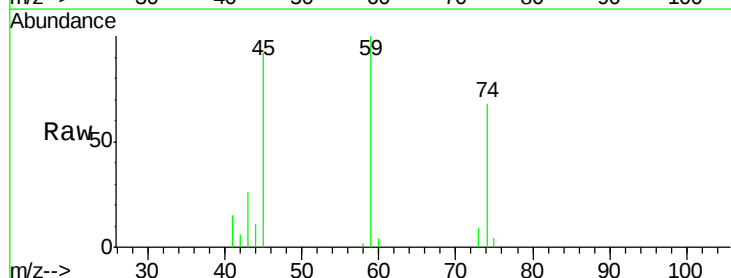
Tot Ion:101 Resp: 137106
 Ion Ratio Lower Upper
 101 100
 103 62.6 52.0 78.0

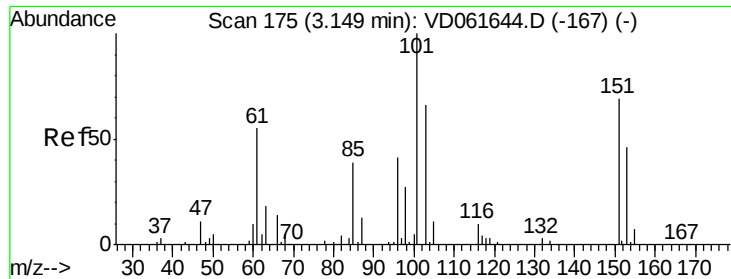


#8

Diethyl Ether
 Concen: 20.838 ug/l
 RT: 2.85 min Scan# 145
 Delta R.T. -0.01 min
 Lab File: VD061761.D
 Acq: 12 Apr 2019 3:19

Tgt Ion: 74 Resp: 37140
 Ion Ratio Lower Upper
 74 100
 45 135.5 61.0 183.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.513 ug/l

RT: 3.14 min Scan# 174

Delta R.T. -0.01 min

Lab File: VD061761.D

Acq: 12 Apr 2019 3:19

Instrument :

MSVOA_D

ClientSampled :

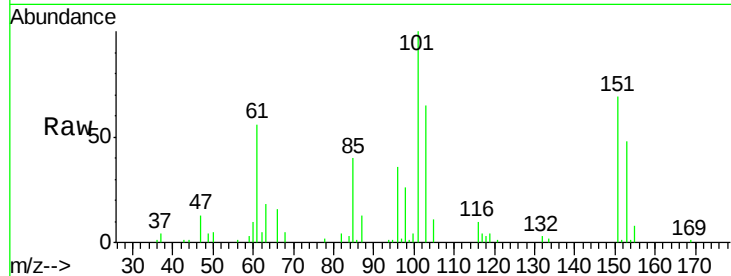
Tot Ion:101 Resp: 128079

Ion Ratio Lower Upper

101 100

85 39.8 31.0 46.6

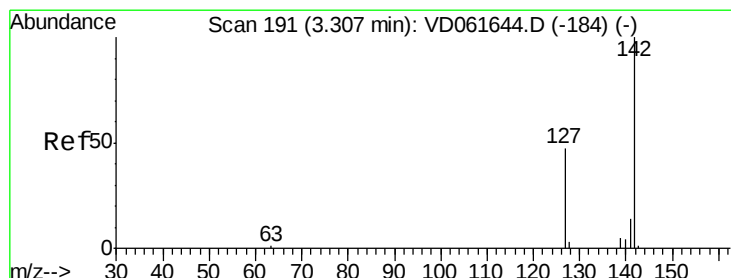
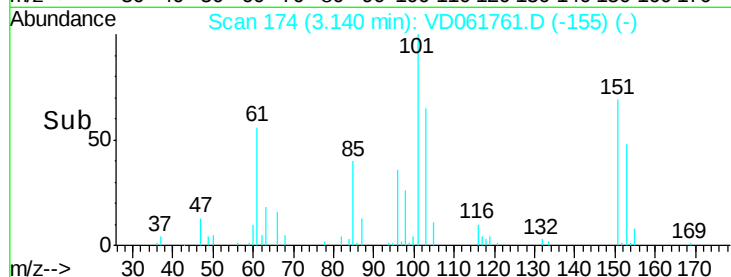
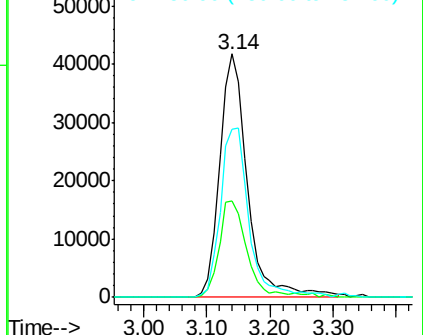
151 68.8 55.3 82.9



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: 21.767 ug/l

RT: 3.30 min Scan# 190

Delta R.T. -0.01 min

Lab File: VD061761.D

Acq: 12 Apr 2019 3:19

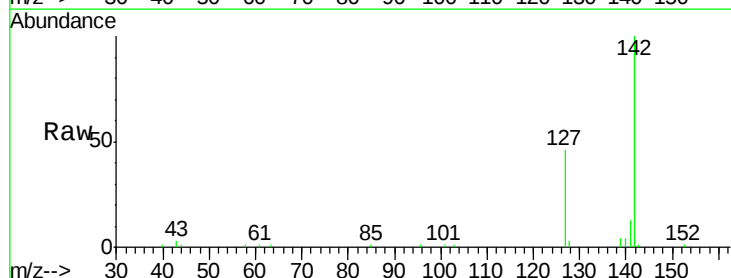
Tgt Ion:142 Resp: 181953

Ion Ratio Lower Upper

142 100

127 46.3 37.2 55.8

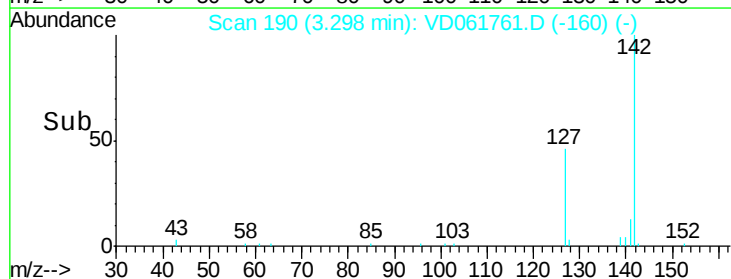
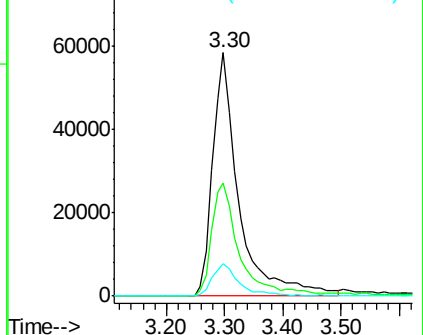
141 13.5 10.8 16.2

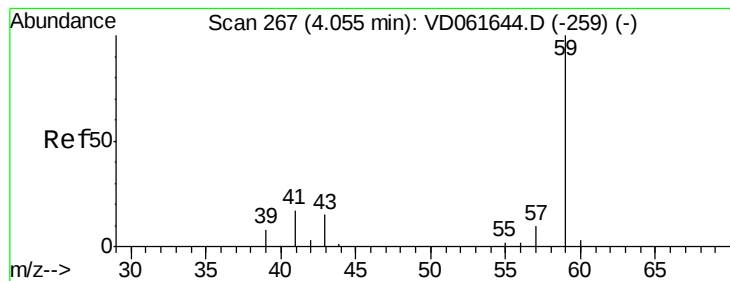


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



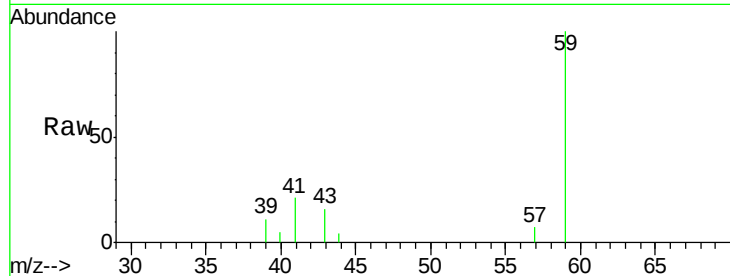


#11

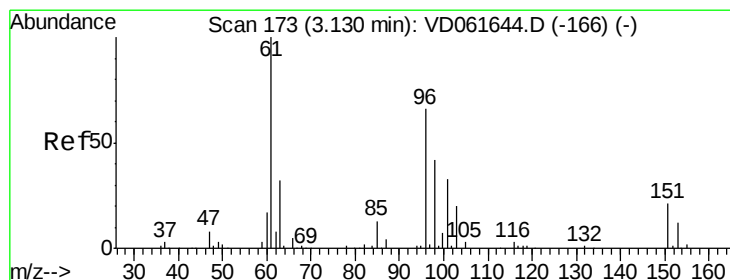
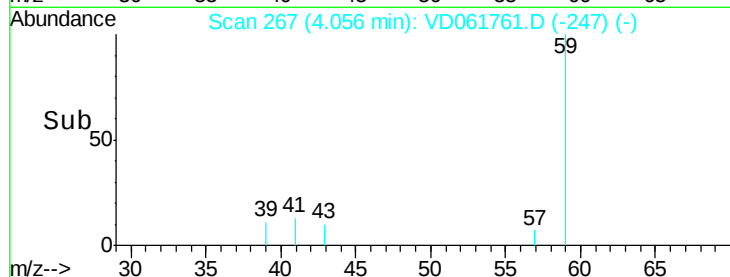
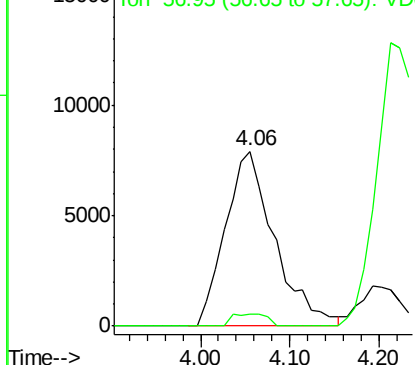
Tert butyl alcohol
Concen: 116.045 ug/l
RT: 4.06 min Scan# 267
Delta R.T. 0.00 min
Lab File: VD061761.D
Acq: 12 Apr 2019 3:19

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 59 Resp: 30438
Ion Ratio Lower Upper
59 100
57 7.2 8.4 12.6#



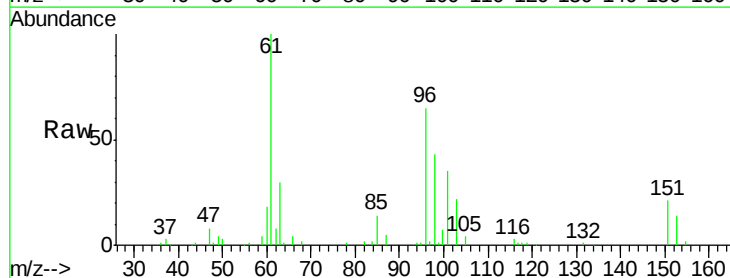
Abundance Ion 58.95 (58.65 to 59.65): VDC
Ion 56.95 (56.65 to 57.65): VDC



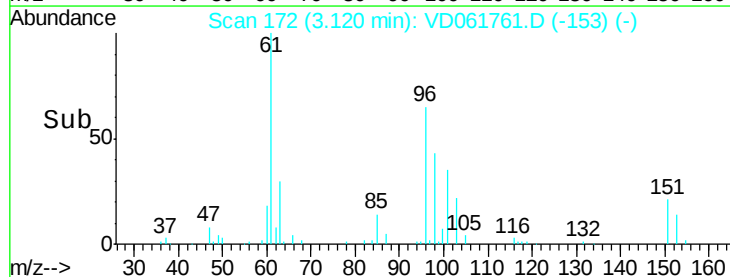
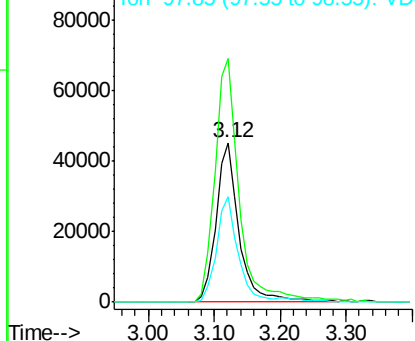
#12

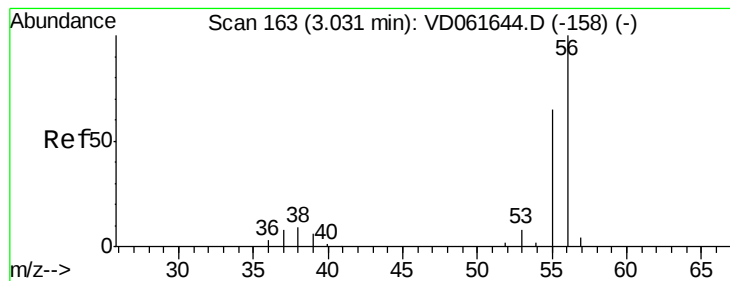
1,1-Dichloroethene
Concen: 20.267 ug/l
RT: 3.12 min Scan# 172
Delta R.T. -0.01 min
Lab File: VD061761.D
Acq: 12 Apr 2019 3:19

Tgt Ion: 96 Resp: 109092
Ion Ratio Lower Upper
96 100
61 152.7 121.3 181.9
98 65.9 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: 62.225 ug/l

RT: 3.02 min Scan# 162

Delta R.T. -0.01 min

Lab File: VD061761.D

Acq: 12 Apr 2019 3:19

Instrument :

MSVOA_D

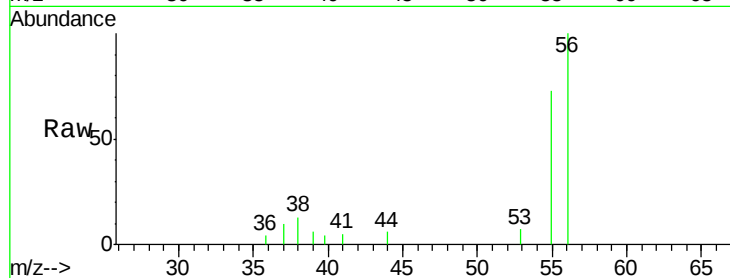
ClientSampleId :

Tot Ion: 56 Resp: 19899

Ion Ratio Lower Upper

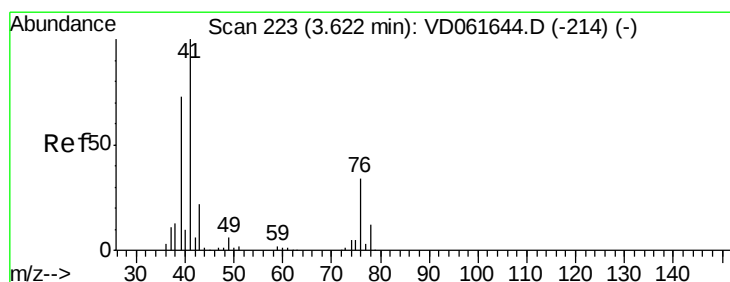
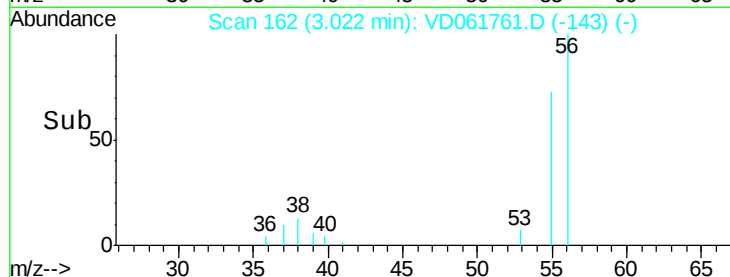
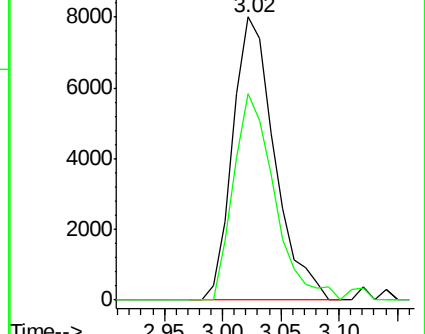
56 100

55 73.0 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: 21.111 ug/l

RT: 3.60 min Scan# 221

Delta R.T. -0.02 min

Lab File: VD061761.D

Acq: 12 Apr 2019 3:19

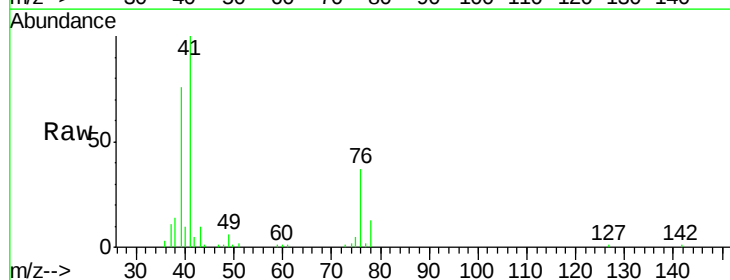
Tgt Ion: 41 Resp: 154987

Ion Ratio Lower Upper

41 100

39 75.5 58.2 87.4

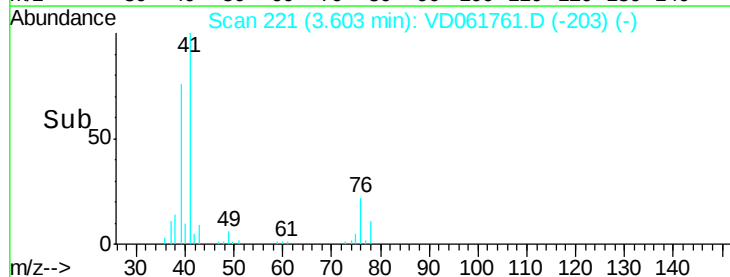
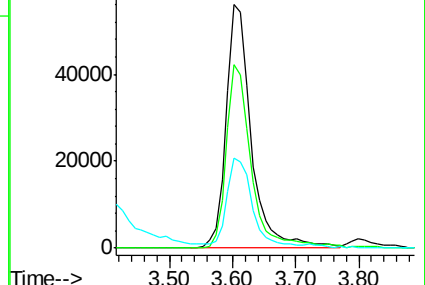
76 37.0 29.8 44.6

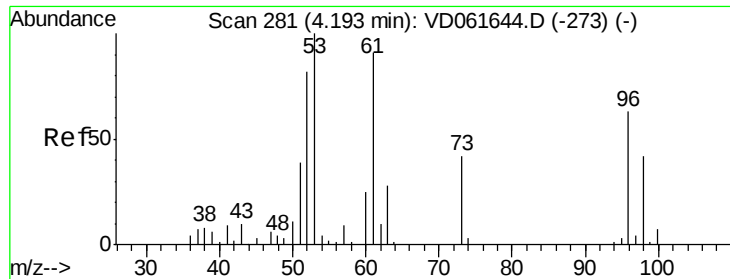


Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC





#15

Acrylonitrile

Concen: 110.927 ug/l

RT: 4.18 min Scan# 280

Delta R.T. -0.01 min

Lab File: VD061761.D

Acq: 12 Apr 2019 3:19

Instrument :
MSVOA_D
ClientSampleId :

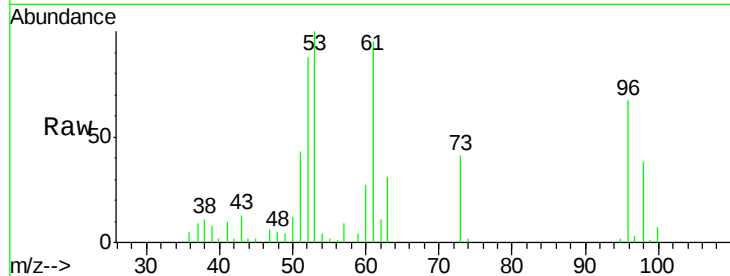
Tot Ion: 53 Resp: 100157

Ion Ratio Lower Upper

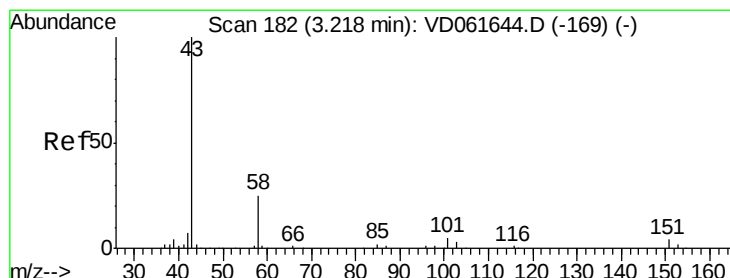
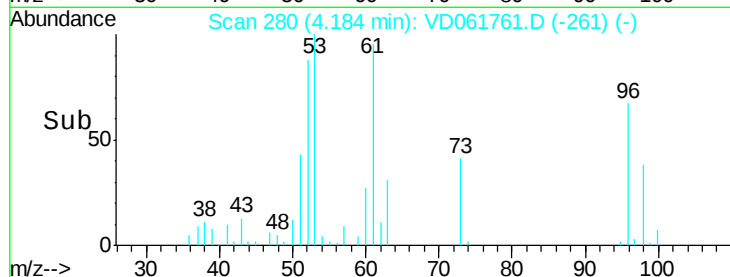
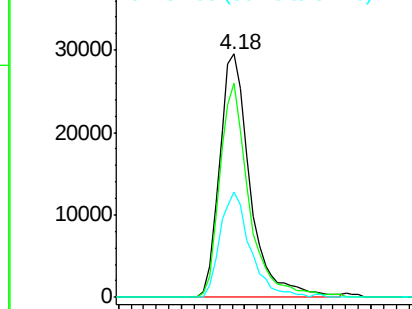
53 100

52 87.8 65.9 98.9

51 43.4 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: 94.147 ug/l

RT: 3.21 min Scan# 181

Delta R.T. -0.01 min

Lab File: VD061761.D

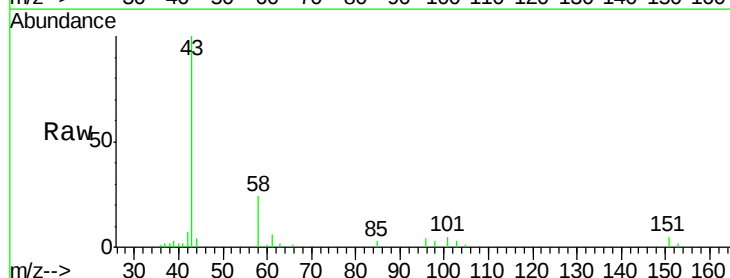
Acq: 12 Apr 2019 3:19

Tgt Ion: 43 Resp: 110147

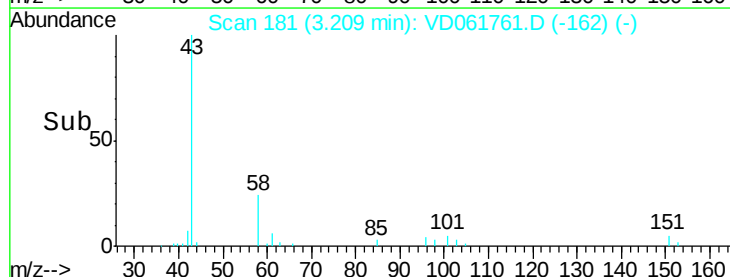
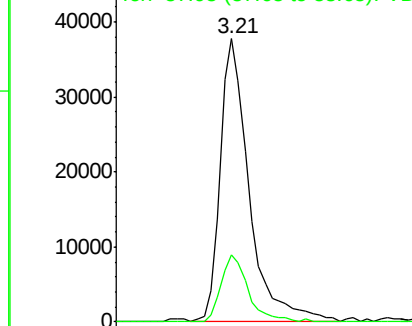
Ion Ratio Lower Upper

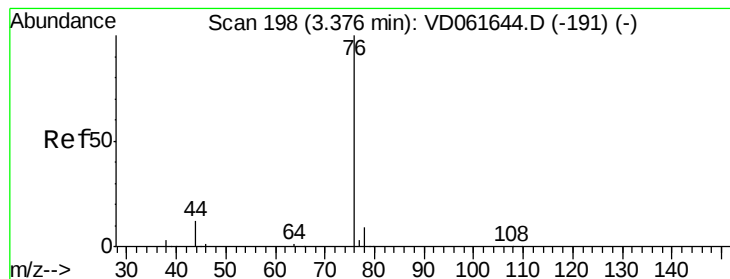
43 100

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: 18.554 ug/l

RT: 3.37 min Scan# 197

Delta R.T. -0.01 min

Lab File: VD061761.D

Acq: 12 Apr 2019 3:19

Instrument :

MSVOA_D

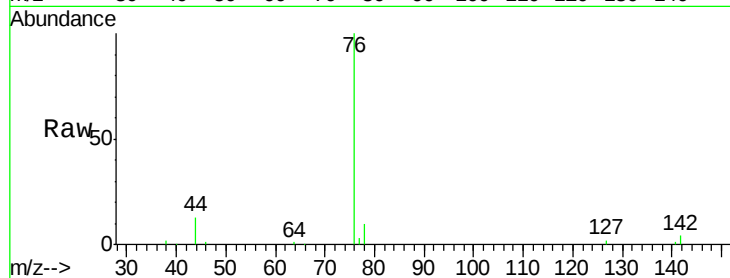
ClientSampleId :

Tot Ion: 76 Resp: 324515

Ion Ratio Lower Upper

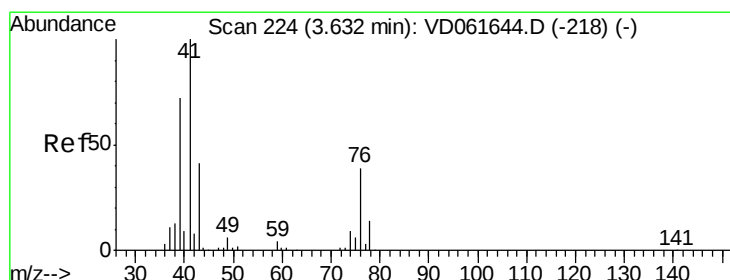
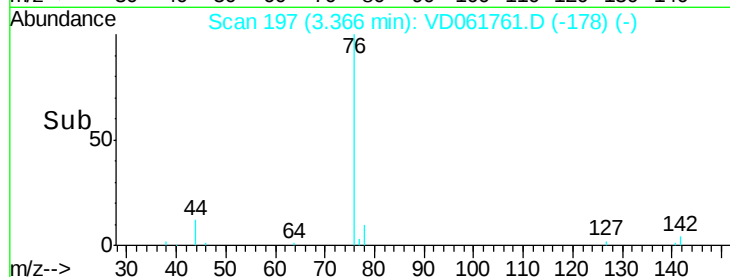
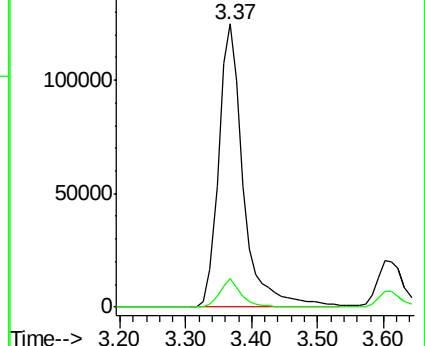
76 100

78 10.1 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: 25.531 ug/l

RT: 3.62 min Scan# 223

Delta R.T. -0.01 min

Lab File: VD061761.D

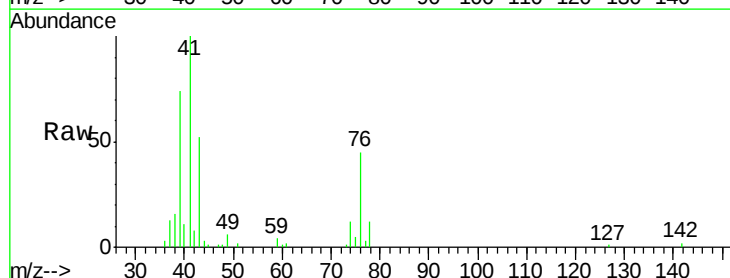
Acq: 12 Apr 2019 3:19

Tgt Ion: 43 Resp: 56199

Ion Ratio Lower Upper

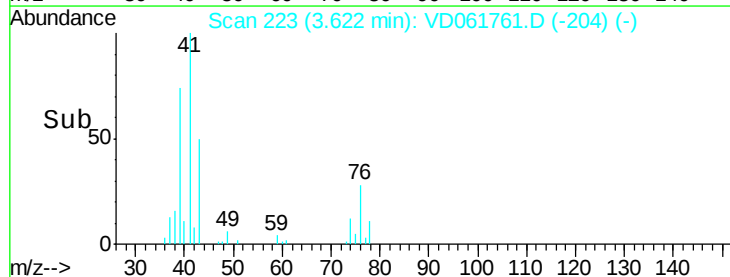
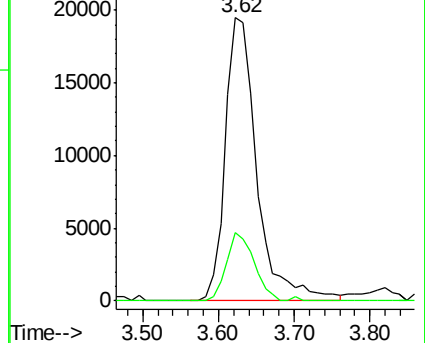
43 100

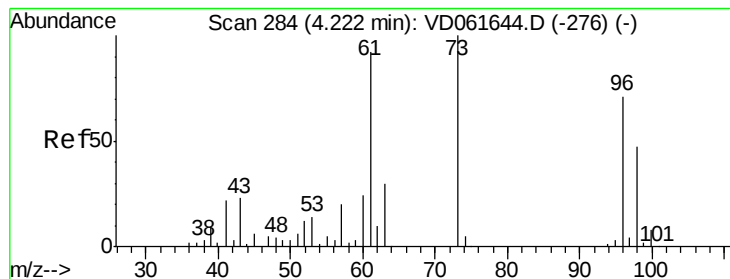
74 23.9 18.2 27.2



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC



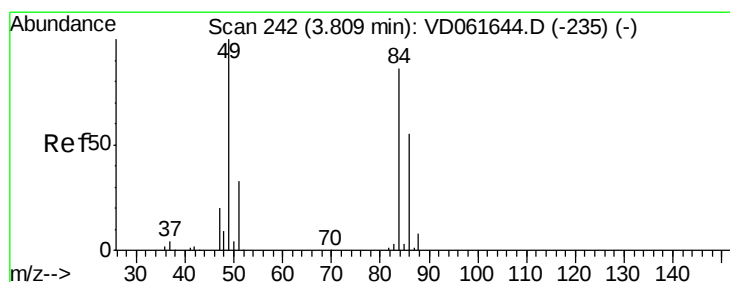
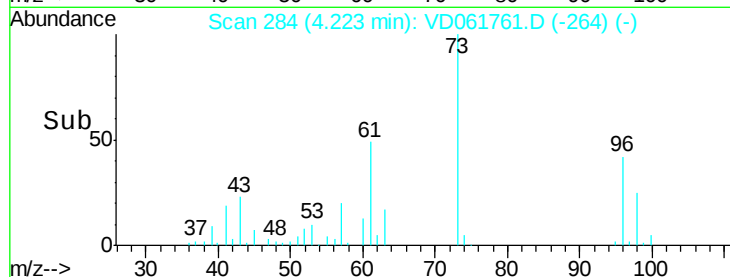
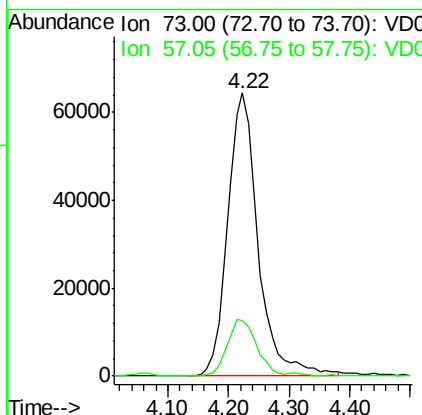
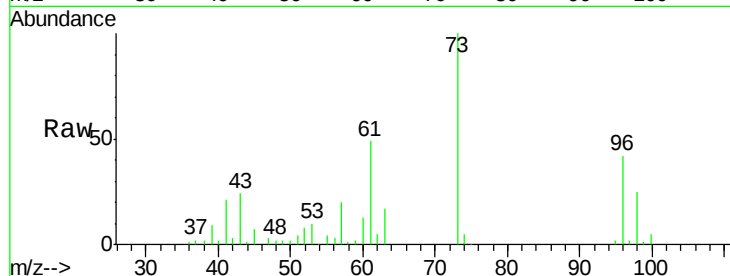


#19

Methvl tert-butvl Ether
 Concen: 24.128 ug/l
 RT: 4.22 min Scan# 284
 Delta R.T. 0.00 min
 Lab File: VD061761.D
 Acq: 12 Apr 2019 3:19

Instrument :
 MSVOA_D
 ClientSampleId :

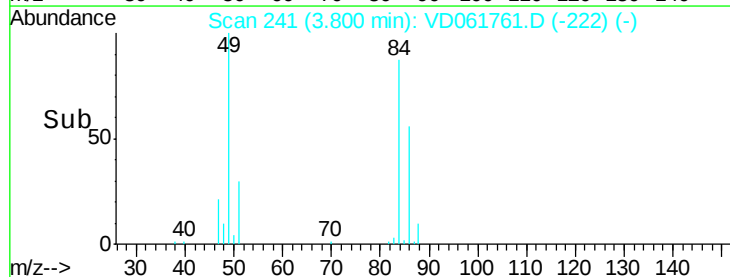
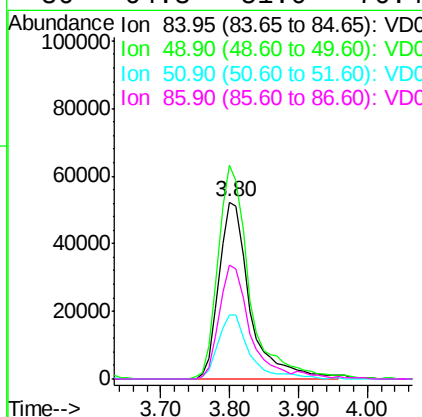
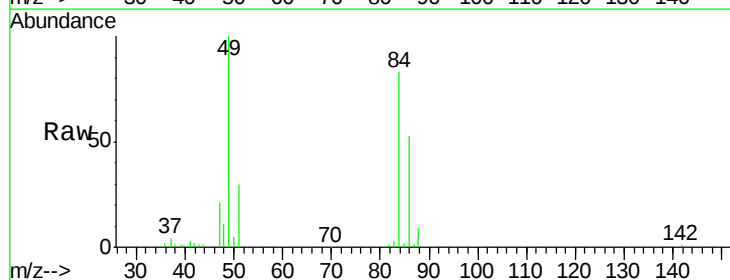
Tot Ion: 73 Resp: 224879
 Ion Ratio Lower Upper
 73 100
 57 19.6 16.0 24.0

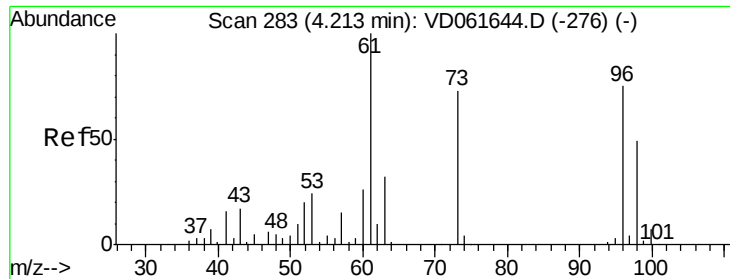


#20

Methylene Chloride
 Concen: 24.746 ug/l
 RT: 3.80 min Scan# 241
 Delta R.T. -0.01 min
 Lab File: VD061761.D
 Acq: 12 Apr 2019 3:19

Tgt Ion: 84 Resp: 164290
 Ion Ratio Lower Upper
 84 100
 49 120.8 93.0 139.4
 51 36.5 30.4 45.6
 86 64.3 51.0 76.4





#21

trans-1,2-Dichloroethene

Concen: 21.582 ug/l

RT: 4.20 min Scan# 282

Delta R.T. -0.01 min

Lab File: VD061761.D

Acq: 12 Apr 2019 3:19

Instrument :

MSVOA_D

ClientSampleId :

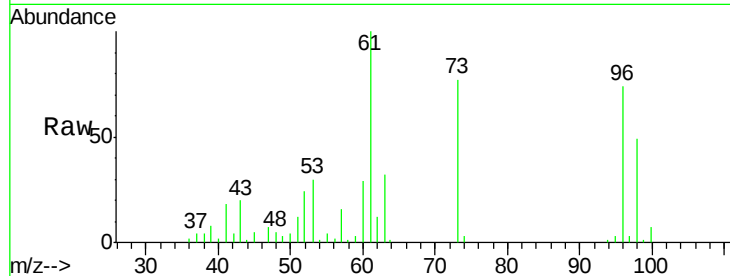
Tot Ion: 96 Resp: 126169

Ion Ratio Lower Upper

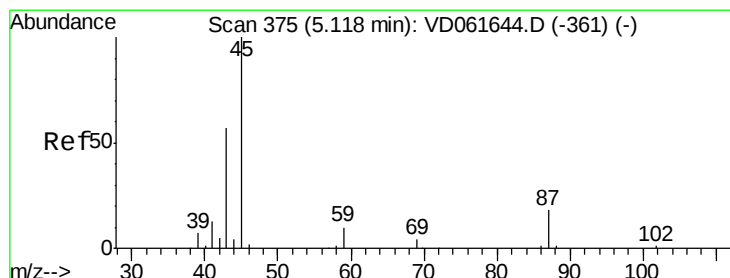
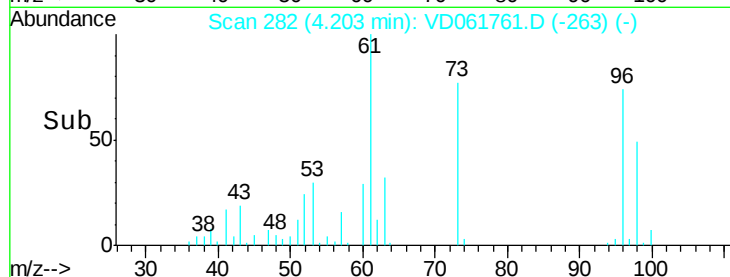
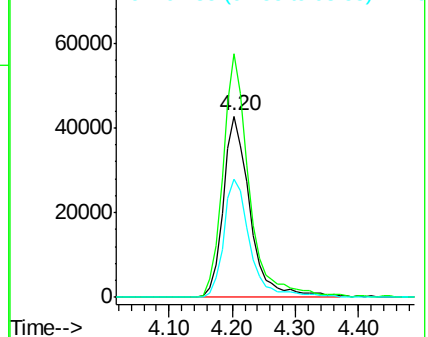
96 100

61 134.3 106.8 160.2

98 65.2 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: 20.914 ug/l

RT: 5.10 min Scan# 373

Delta R.T. -0.02 min

Lab File: VD061761.D

Acq: 12 Apr 2019 3:19

Tgt Ion: 45 Resp: 321908

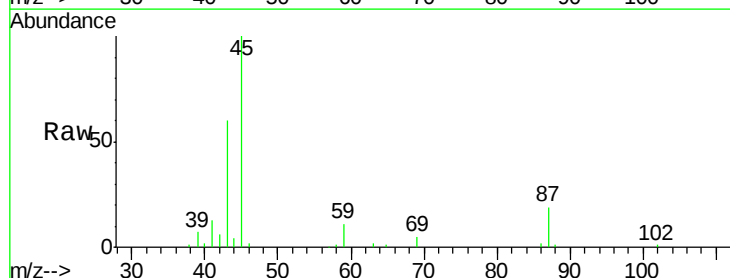
Ion Ratio Lower Upper

45 100

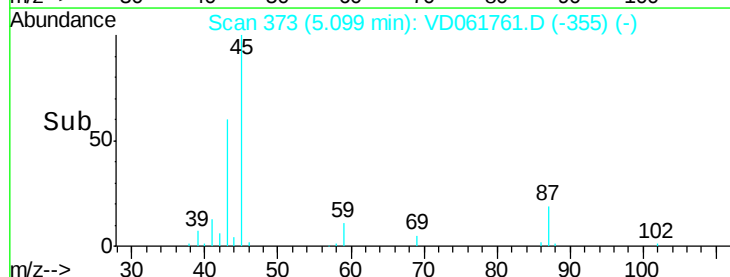
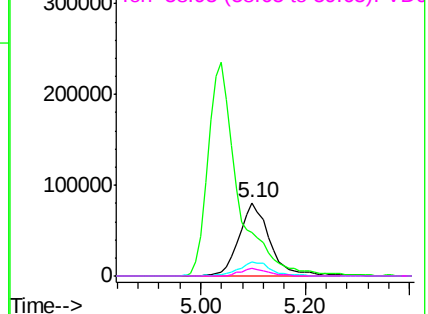
43 59.7 46.6 70.0

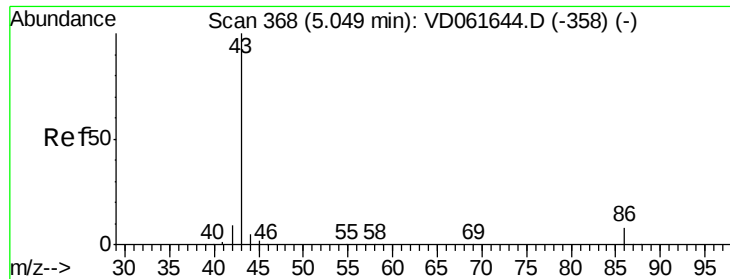
87 18.7 15.6 23.4

59 10.9 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

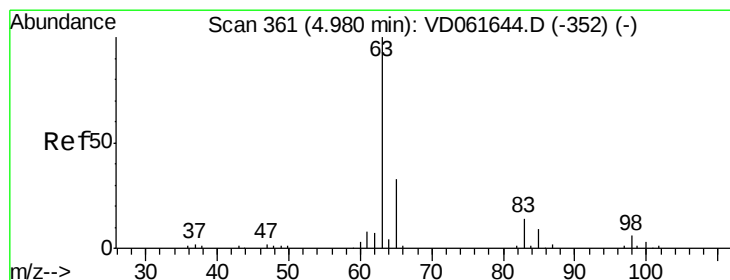
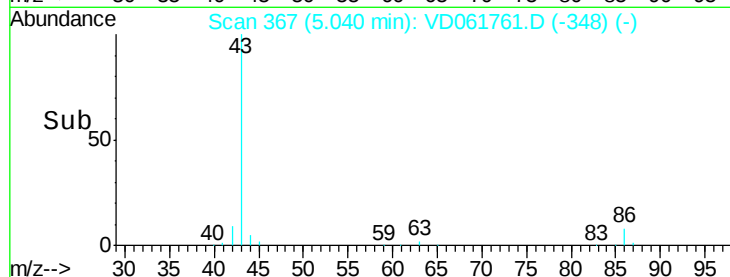
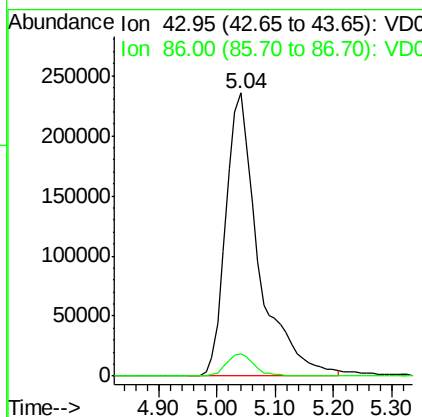
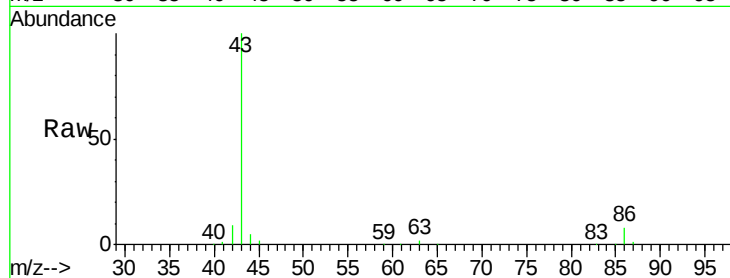




#23
 Vinyl Acetate
 Concen: 109.276 ug/l
 RT: 5.04 min Scan# 367
 Delta R.T. -0.01 min
 Lab File: VD061761.D
 Acq: 12 Apr 2019 3:19

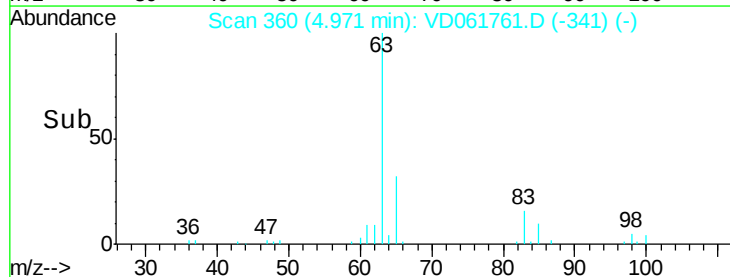
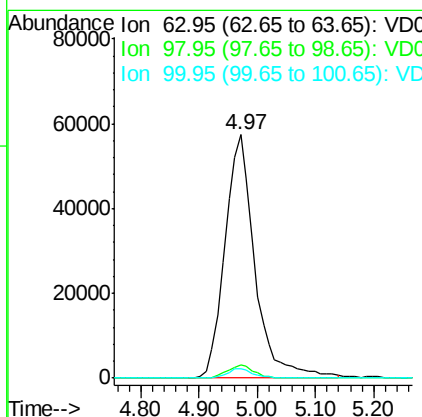
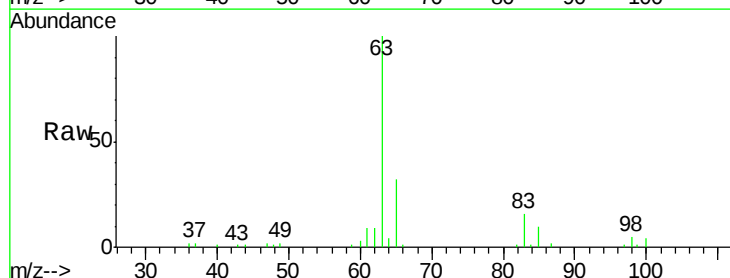
Instrument :
 MSVOA_D
 ClientSampleID :

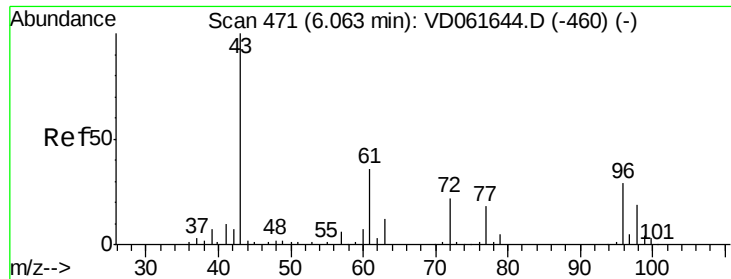
Tot Ion: 43 Resp: 928093
 Ion Ratio Lower Upper
 43 100
 86 7.8 6.4 9.6



#24
 1,1-Dichloroethane
 Concen: 21.707 ug/l
 RT: 4.97 min Scan# 360
 Delta R.T. -0.01 min
 Lab File: VD061761.D
 Acq: 12 Apr 2019 3:19

Tgt Ion: 63 Resp: 204742
 Ion Ratio Lower Upper
 63 100
 98 5.2 2.9 8.6
 100 4.1 1.7 5.1





#25

2-Butanone

Concen: 110.140 ug/l

RT: 6.05 min Scan# 470

Delta R.T. -0.01 min

Lab File: VD061761.D

Acq: 12 Apr 2019 3:19

Instrument :

MSVOA_D

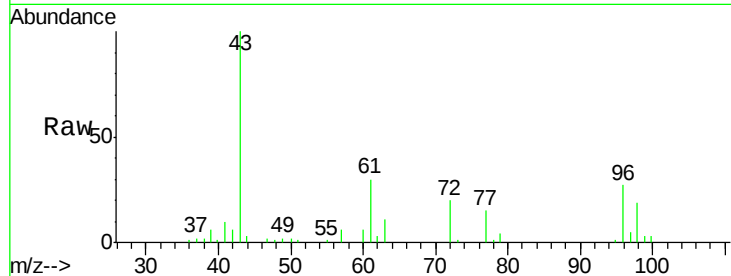
ClientSampled :

Tot Ion: 43 Resp: 148552

Ion Ratio Lower Upper

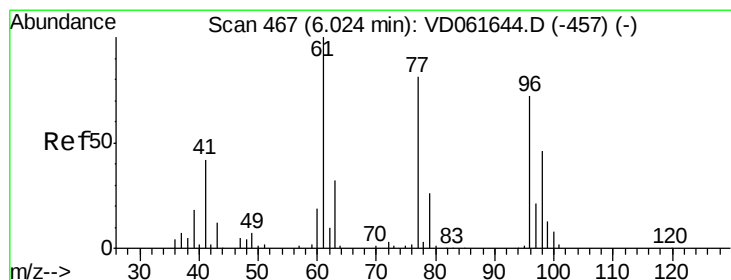
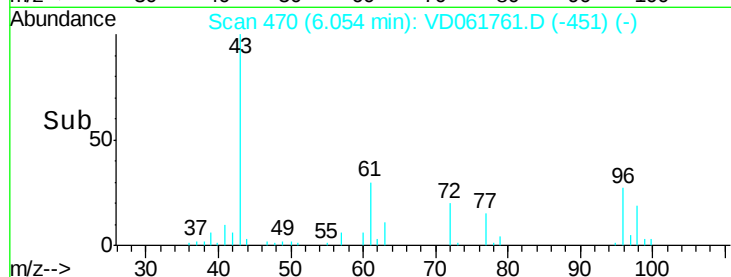
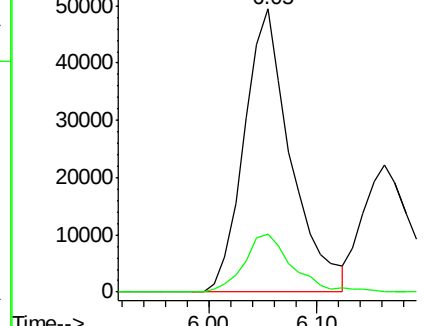
43 100

72 20.3 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: 20.081 ug/l

RT: 6.00 min Scan# 465

Delta R.T. -0.02 min

Lab File: VD061761.D

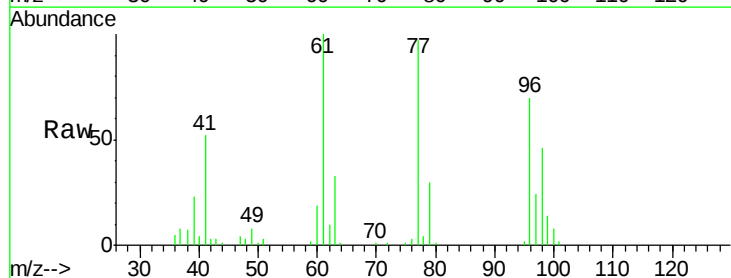
Acq: 12 Apr 2019 3:19

Tgt Ion: 77 Resp: 154224

Ion Ratio Lower Upper

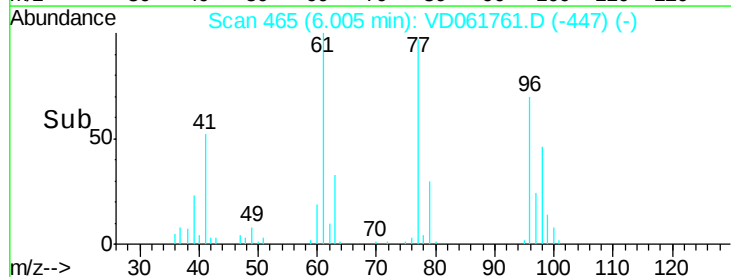
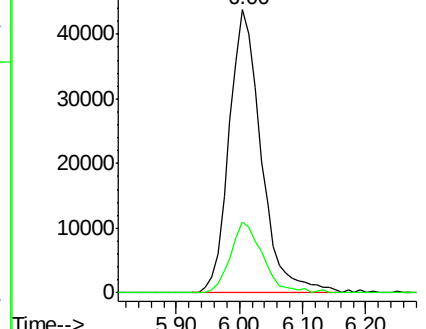
77 100

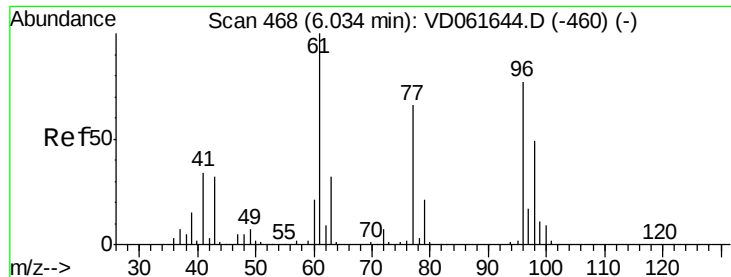
97 25.2 12.7 38.0



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



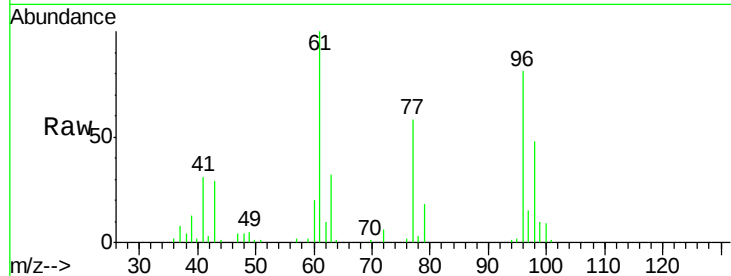


#27

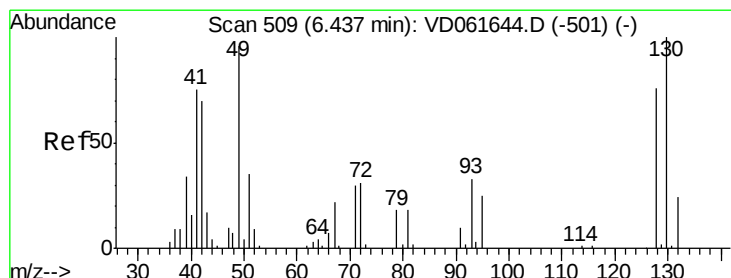
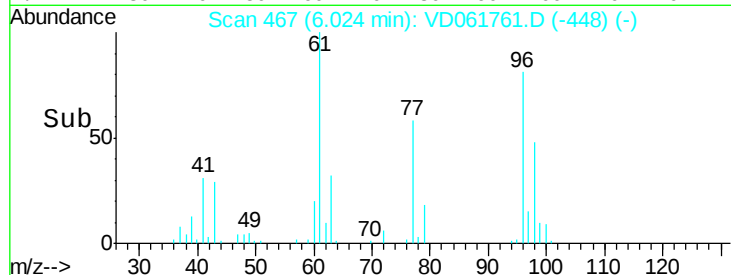
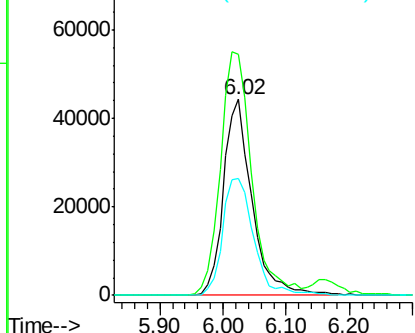
cis-1,2-Dichloroethene
Concen: 22.241 ug/l
RT: 6.02 min Scan# 467
Delta R.T. -0.01 min
Lab File: VD061761.D
Acq: 12 Apr 2019 3:19

Instrument :
MSVOA_D
ClientSampled :

Tot Ion	96	Resp	138714
Ion	Ratio	Lower	Upper
96	100		
61	123.4	0.0	259.8
98	59.5	0.0	127.6



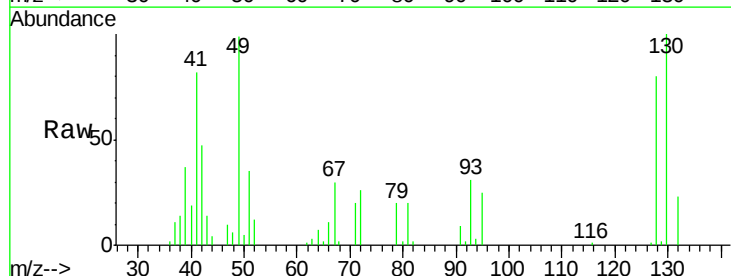
Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 97.85 (97.55 to 98.55): VDC



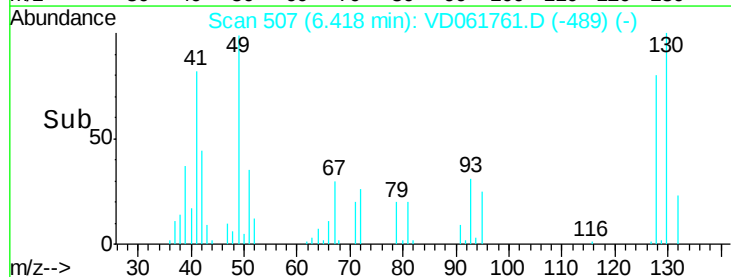
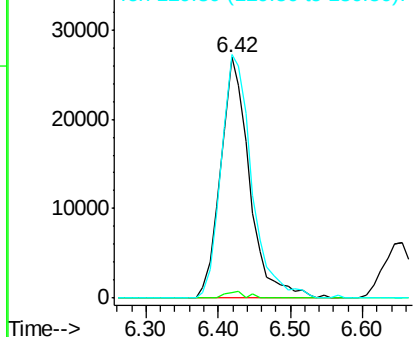
#28

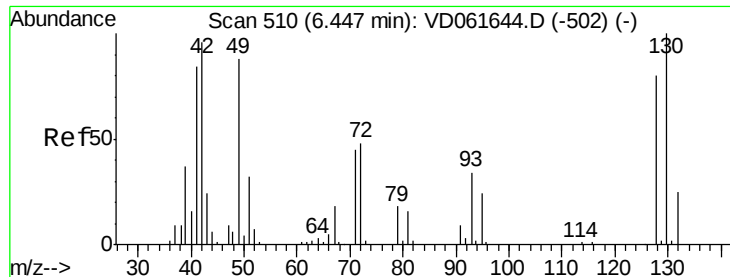
Bromochloromethane
Concen: 21.484 ug/l
RT: 6.42 min Scan# 507
Delta R.T. -0.02 min
Lab File: VD061761.D
Acq: 12 Apr 2019 3:19

Tgt Ion	49	Resp	74751
Ion	Ratio	Lower	Upper
49	100		
129	2.5	0.0	4.0
130	101.2	83.3	124.9



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

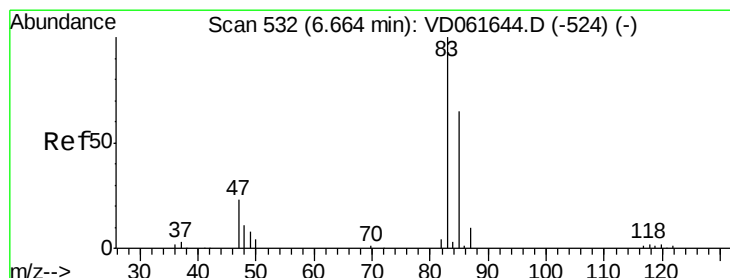
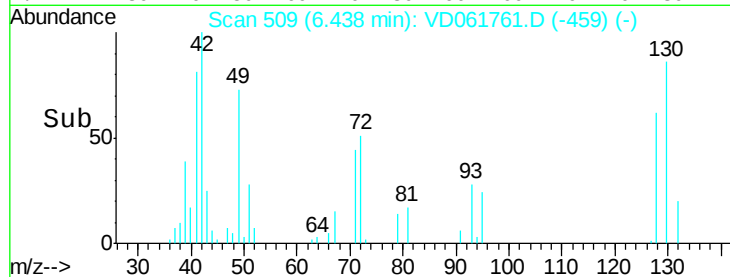
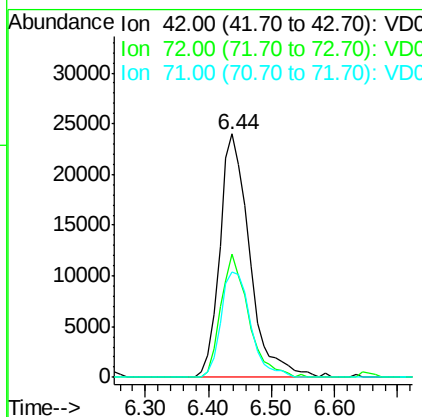
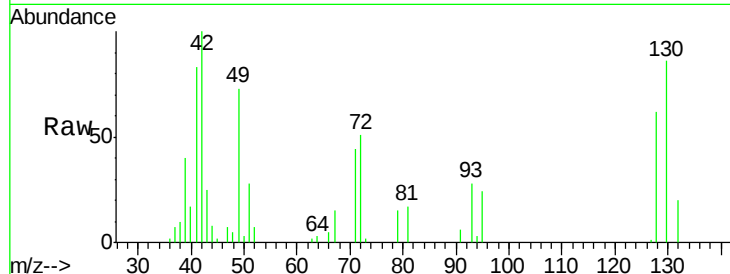




#29
Tetrahydrofuran
Concen: 121.487 ug/l
RT: 6.44 min Scan# 509
Delta R.T. -0.01 min
Lab File: VD061761.D
Acq: 12 Apr 2019 3:19

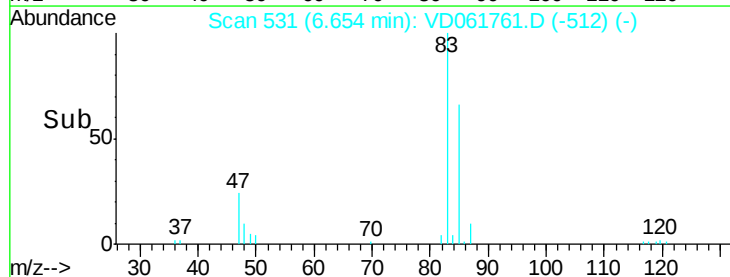
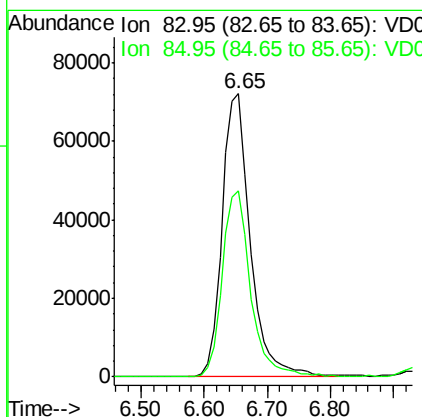
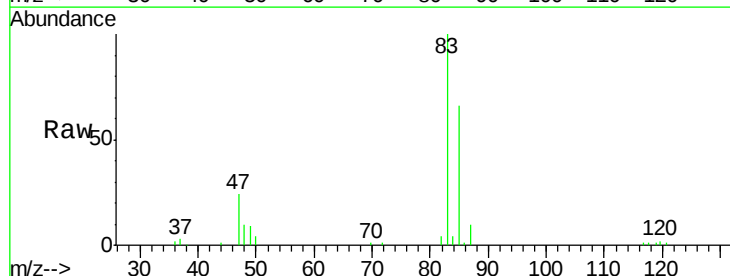
Instrument :
MSVOA_D
ClientSampled :

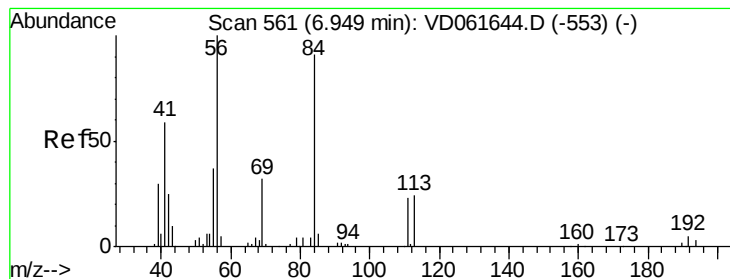
Tot Ion: 42 Resp: 79099
Ion Ratio Lower Upper
42 100
72 46.8 37.0 55.6
71 42.8 36.5 54.7



#30
Chloroform
Concen: 22.637 ug/l
RT: 6.65 min Scan# 531
Delta R.T. -0.01 min
Lab File: VD061761.D
Acq: 12 Apr 2019 3:19

Tgt Ion: 83 Resp: 223682
Ion Ratio Lower Upper
83 100
85 65.5 51.9 77.9





#31

Cyclohexane

Concen: 18.349 ug/l

RT: 6.94 min Scan# 560

Delta R.T. -0.01 min

Lab File: VD061761.D

Acq: 12 Apr 2019 3:19

Instrument :
MSVOA_D
ClientSampleId :

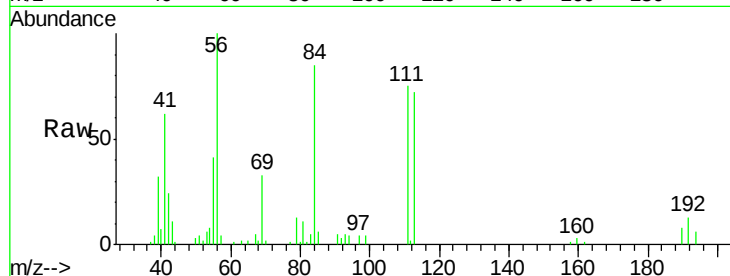
Tot Ion: 56 Resp: 135208

Ion Ratio Lower Upper

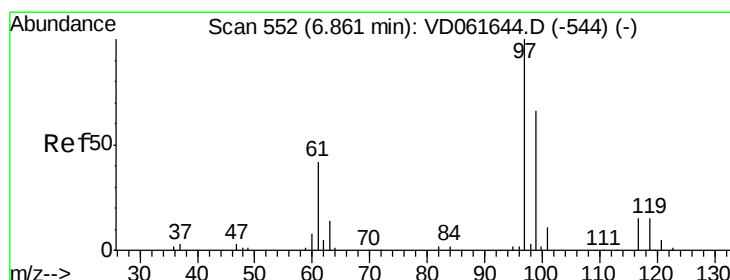
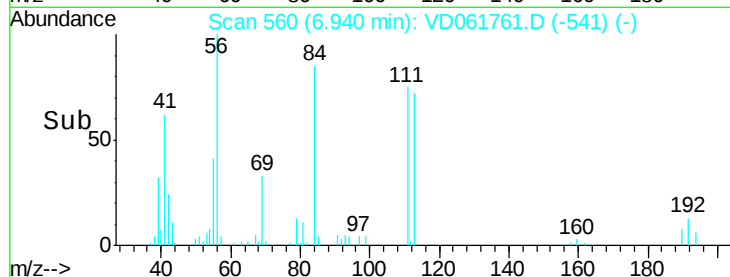
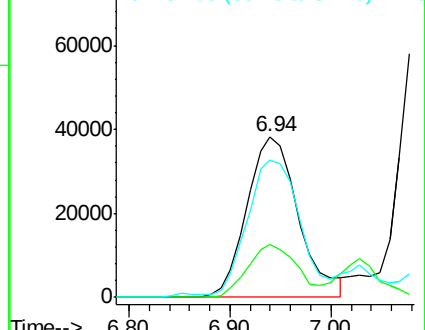
56 100

69 32.6 25.8 38.6

84 85.4 74.2 111.2



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



#32

1,1,1-Trichloroethane

Concen: 22.428 ug/l

RT: 6.86 min Scan# 552

Delta R.T. 0.00 min

Lab File: VD061761.D

Acq: 12 Apr 2019 3:19

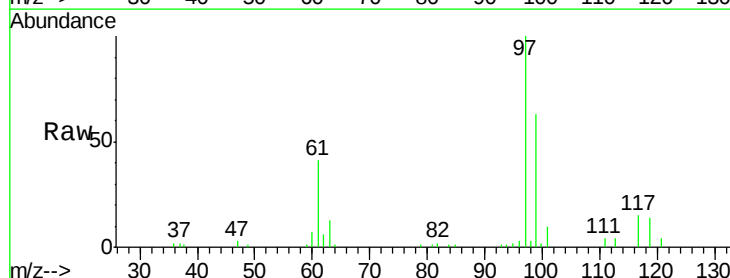
Tgt Ion: 97 Resp: 194203

Ion Ratio Lower Upper

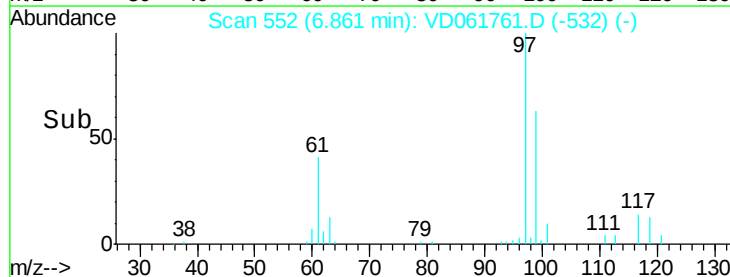
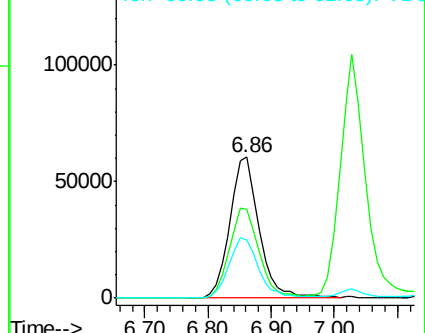
97 100

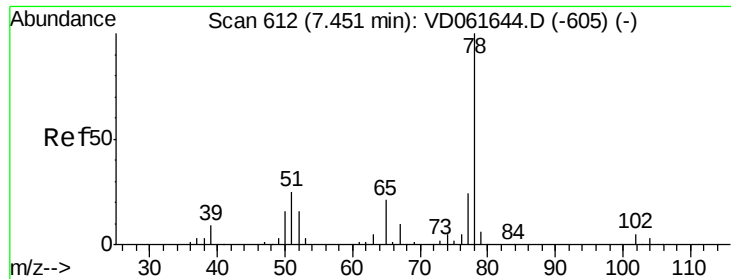
99 62.6 52.5 78.7

61 40.9 33.4 50.0



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

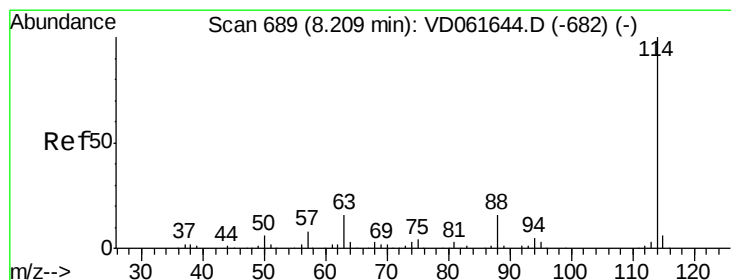
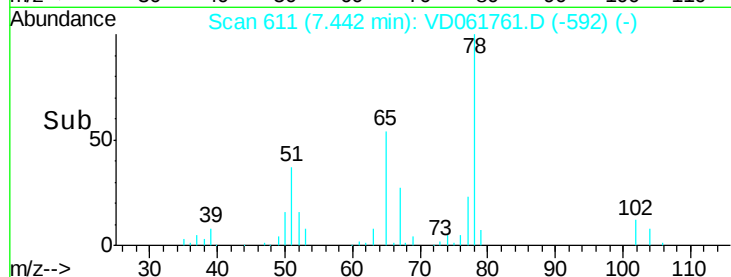
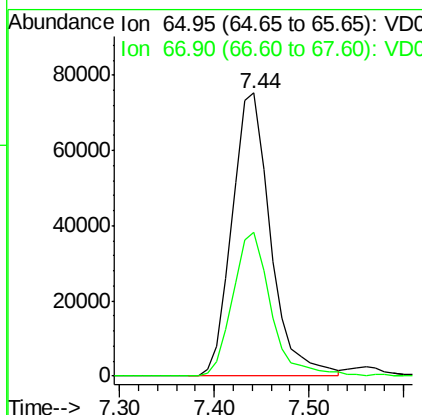
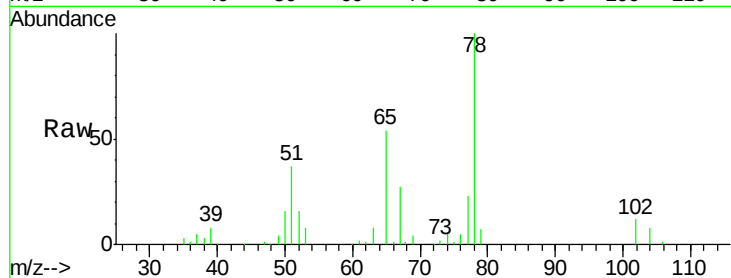




#33
 1,2-Dichloroethane-d4
 Concen: 22.428 ug/l
 RT: 7.44 min Scan# 611
 Delta R.T. -0.01 min
 Lab File: VD061761.D
 Acq: 12 Apr 2019 3:19

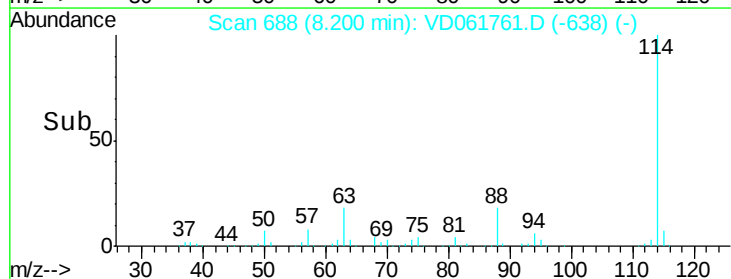
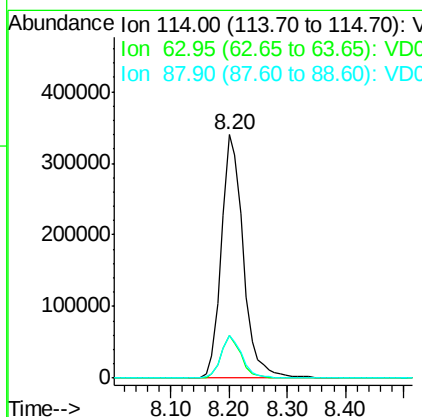
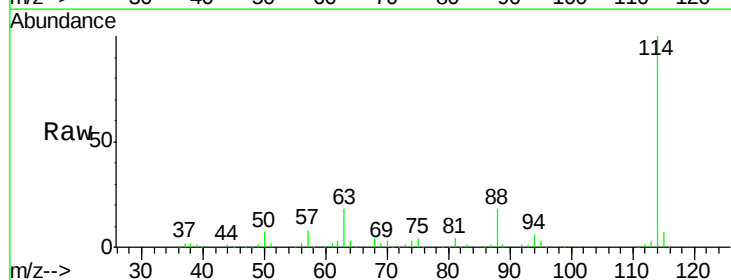
Instrument :
 MSVOA_D
 ClientSampleID :

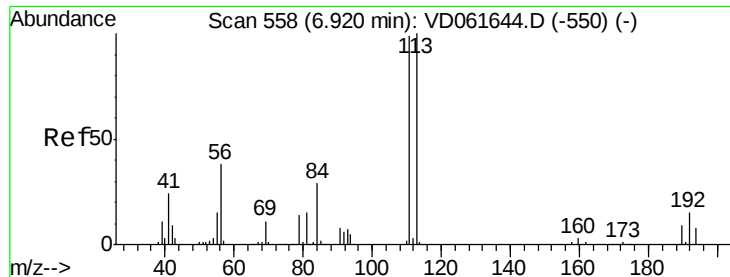
Tot Ion: 65 Resp: 212251
 Ion Ratio Lower Upper
 65 100
 67 50.9 0.0 99.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.20 min Scan# 688
 Delta R.T. -0.01 min
 Lab File: VD061761.D
 Acq: 12 Apr 2019 3:19

Tgt Ion: 114 Resp: 888141
 Ion Ratio Lower Upper
 114 100
 63 17.5 0.0 31.2
 88 17.5 0.0 31.8





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 6.91 min Scan# 557

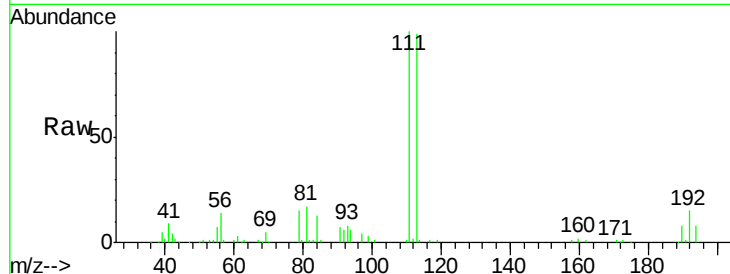
Delta R.T. -0.01 min

Lab File: VD061761.D

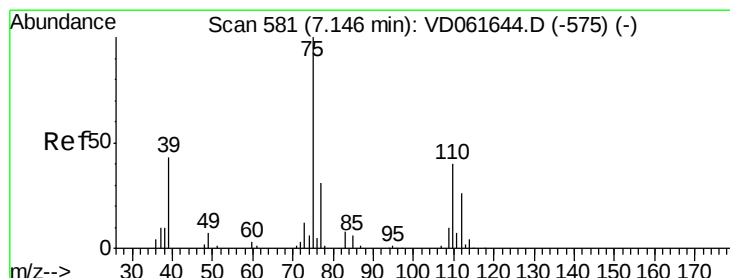
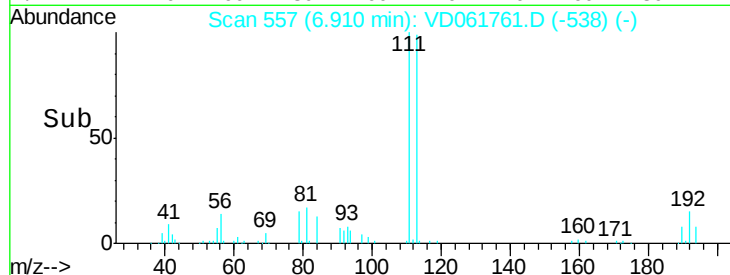
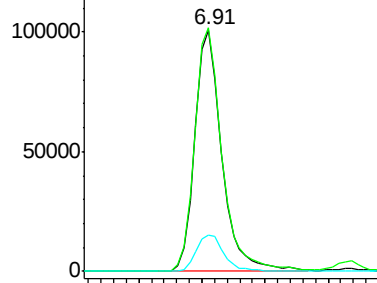
Acq: 12 Apr 2019 3:19

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:113	Resp:	298209
Ion Ratio	Lower	Upper
113	100	
111	101.0	79.3 118.9
192	15.1	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: 21.293 ug/l

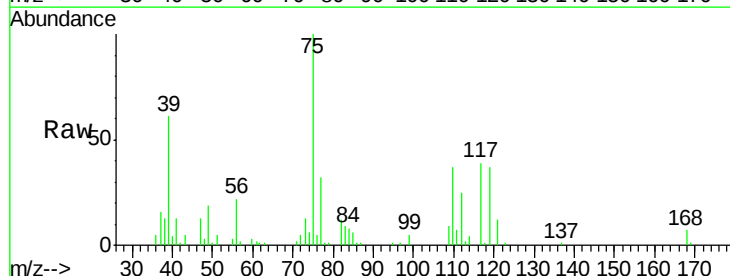
RT: 7.13 min Scan# 579

Delta R.T. -0.02 min

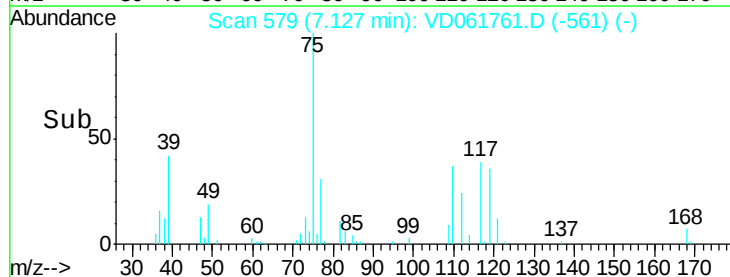
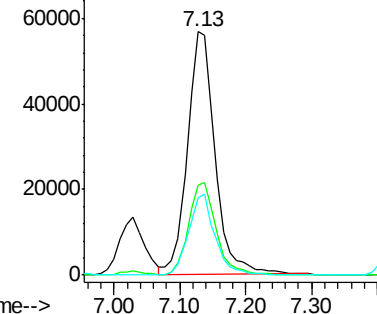
Lab File: VD061761.D

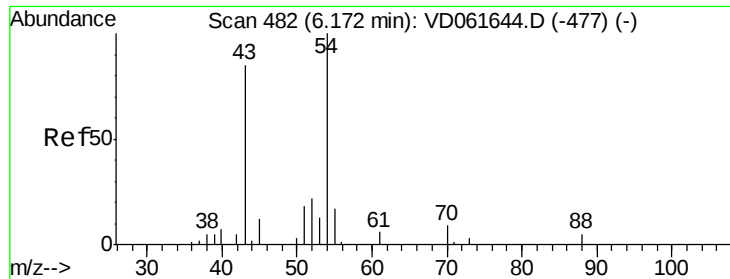
Acq: 12 Apr 2019 3:19

Tgt Ion: 75	Resp:	165507
Ion Ratio	Lower	Upper
75	100	
110	36.8	19.7 59.0
77	31.9	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

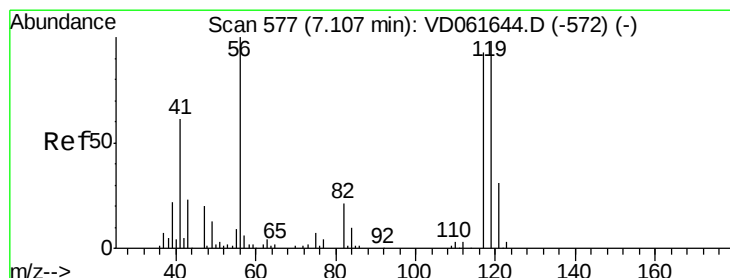
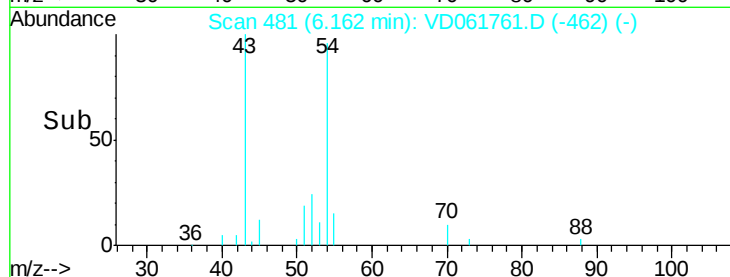
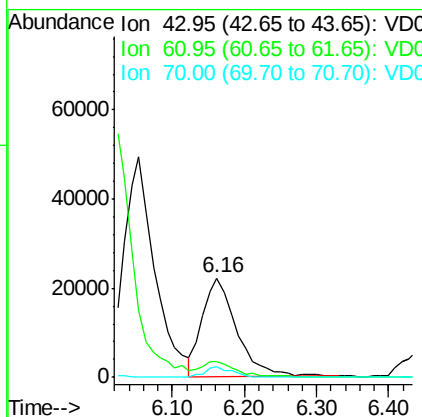
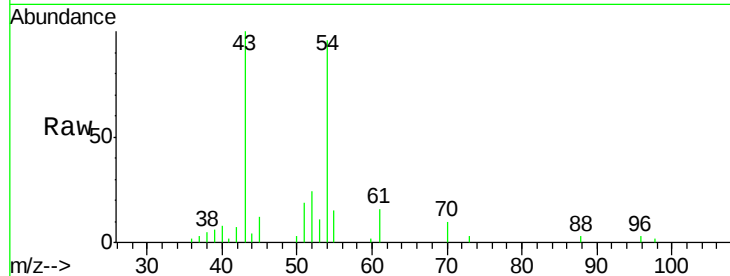




#37
Ethyl Acetate
Concen: 22.567 ug/l
RT: 6.16 min Scan# 481
Delta R.T. -0.01 min
Lab File: VD061761.D
Acq: 12 Apr 2019 3:19

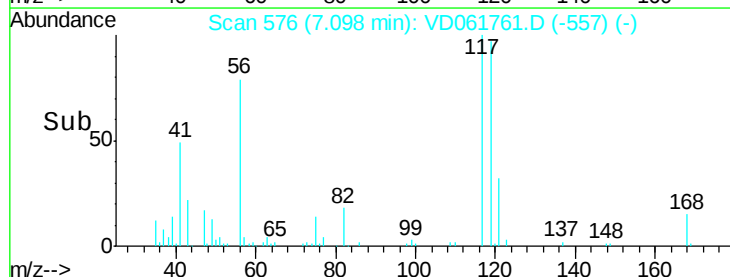
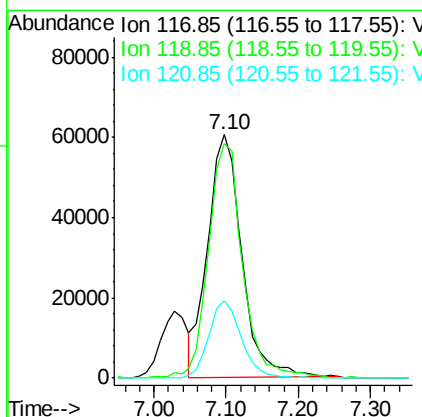
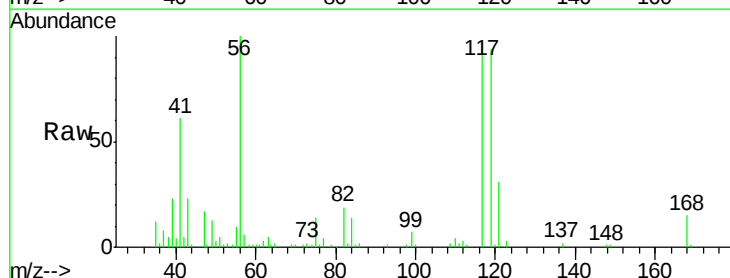
Instrument :
MSVOA_D
ClientSampleId :

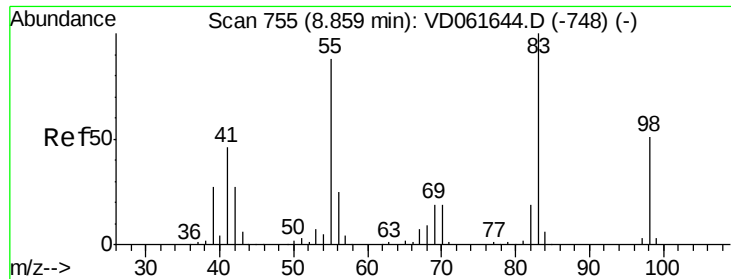
Tot Ion: 43 Resp: 71448
Ion Ratio Lower Upper
43 100
61 16.3 11.9 17.9
70 10.4 6.9 10.3#



#38
Carbon Tetrachloride
Concen: 21.529 ug/l
RT: 7.10 min Scan# 576
Delta R.T. -0.01 min
Lab File: VD061761.D
Acq: 12 Apr 2019 3:19

Tgt Ion: 117 Resp: 196121
Ion Ratio Lower Upper
117 100
119 96.6 77.9 116.9
121 31.6 24.7 37.1

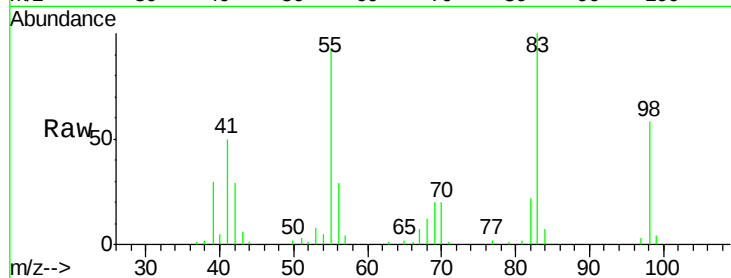




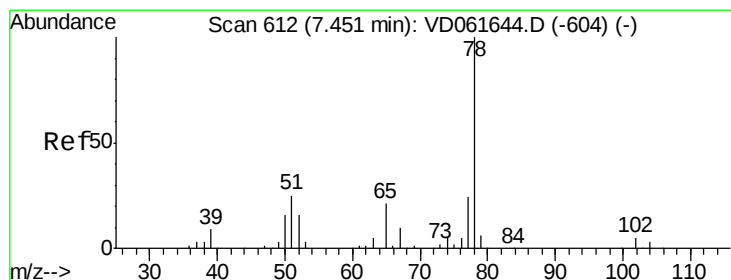
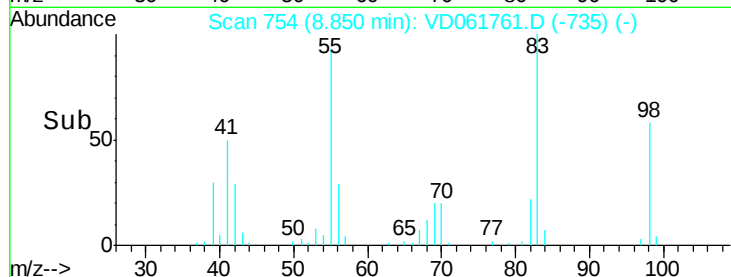
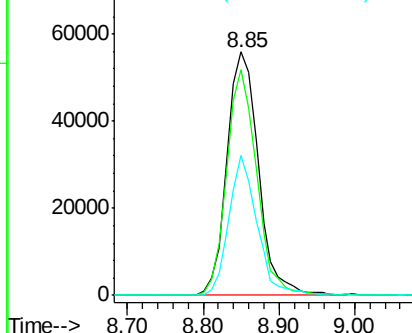
#39
Methvlcvclohexane
Concen: 20.121 ug/l
RT: 8.85 min Scan# 754
Delta R.T. -0.01 min
Lab File: VD061761.D
Acq: 12 Apr 2019 3:19

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 83 Resp: 160571
Ion Ratio Lower Upper
83 100
55 92.9 70.3 105.5
98 57.7 41.0 61.6

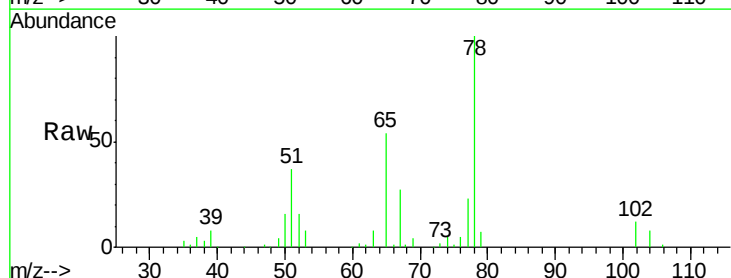


Abundance Ion 83.05 (82.75 to 83.75): VDC
Ion 55.00 (54.70 to 55.70): VDC
Ion 98.05 (97.75 to 98.75): VDC

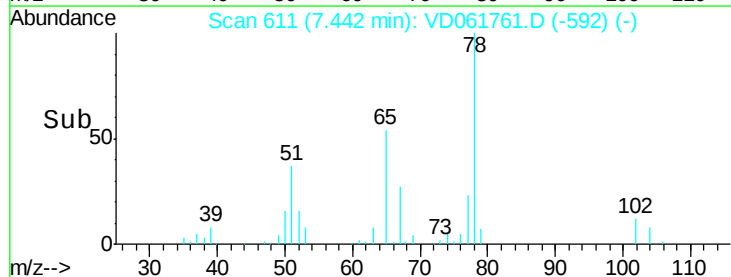
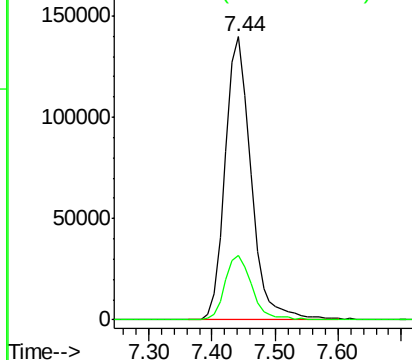


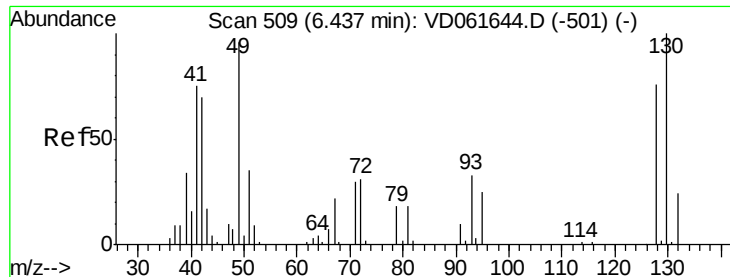
#40
Benzene
Concen: 21.264 ug/l
RT: 7.44 min Scan# 611
Delta R.T. -0.01 min
Lab File: VD061761.D
Acq: 12 Apr 2019 3:19

Tgt Ion: 78 Resp: 398742
Ion Ratio Lower Upper
78 100
77 22.8 19.5 29.3



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

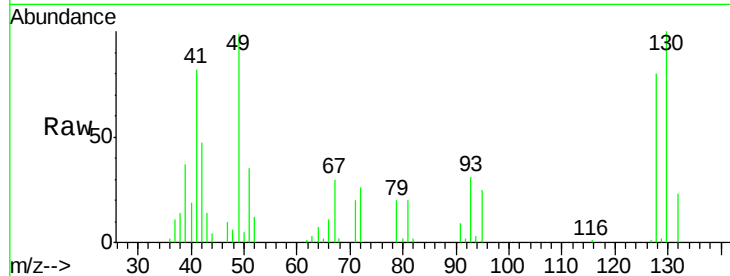




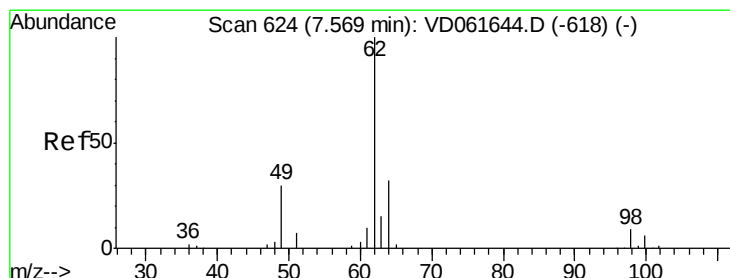
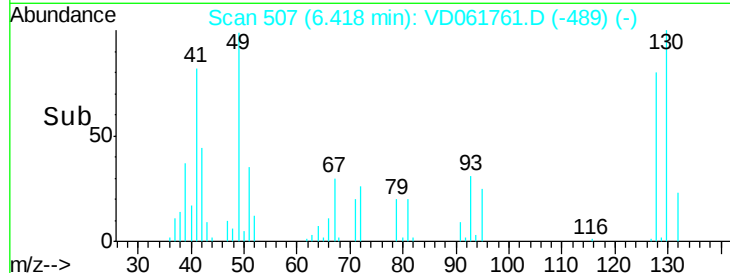
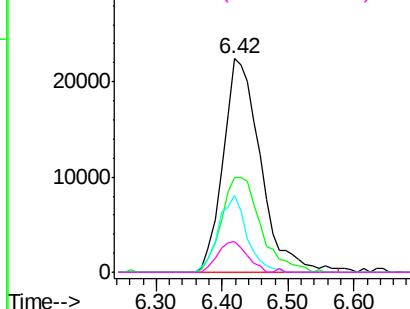
#41
Methacrylonitrile
Concen: 24.120 ug/l
RT: 6.42 min Scan# 507
Delta R.T. -0.02 min
Lab File: VD061761.D
Acq: 12 Apr 2019 3:19

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 41 Resp: 89146
Ion Ratio Lower Upper
41 100
39 44.3 36.2 54.2
67 35.9 23.2 34.8#
52 14.4 10.0 15.0

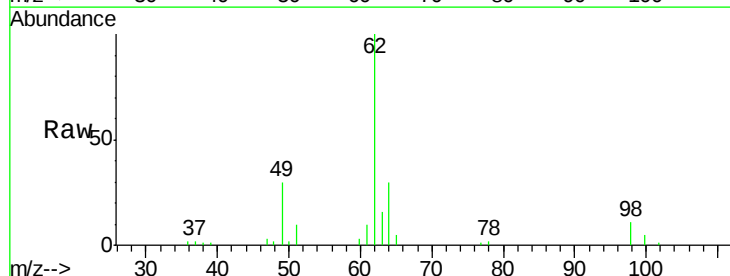


Abundance Ion 40.95 (40.65 to 41.65): VDC
Ion 38.95 (38.65 to 39.65): VDC
Ion 67.00 (66.70 to 67.70): VDC
Ion 52.00 (51.70 to 52.70): VDC

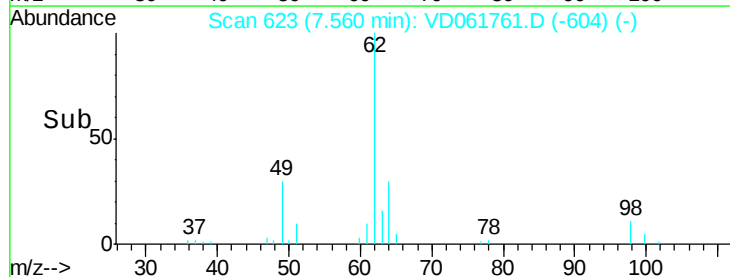
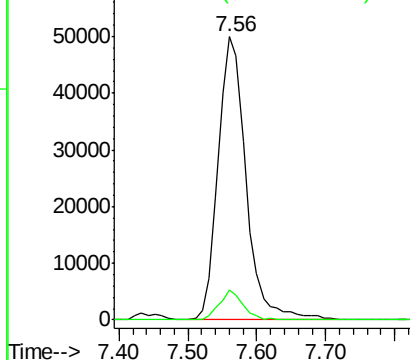


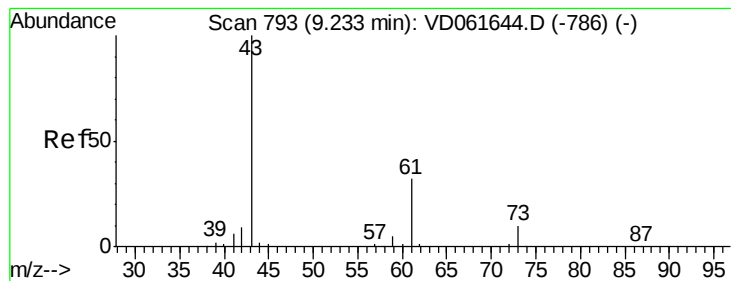
#42
1,2-Dichloroethane
Concen: 23.830 ug/l
RT: 7.56 min Scan# 623
Delta R.T. -0.01 min
Lab File: VD061761.D
Acq: 12 Apr 2019 3:19

Tgt Ion: 62 Resp: 140534
Ion Ratio Lower Upper
62 100
98 10.5 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: 23.764 ug/l

RT: 9.22 min Scan# 792

Delta R.T. -0.01 min

Lab File: VD061761.D

Acq: 12 Apr 2019 3:19

Instrument :

MSVOA_D

ClientSampleId :

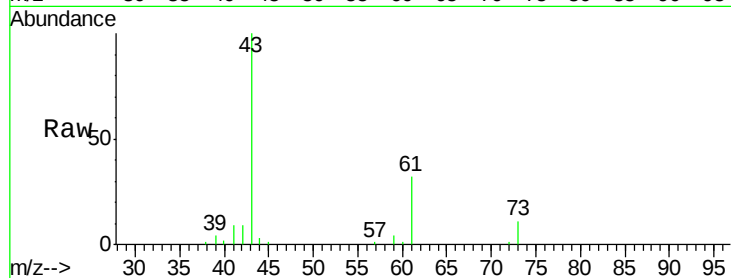
Tot Ion: 43 Resp: 109192

Ion Ratio Lower Upper

43 100

61 31.6 25.9 38.9

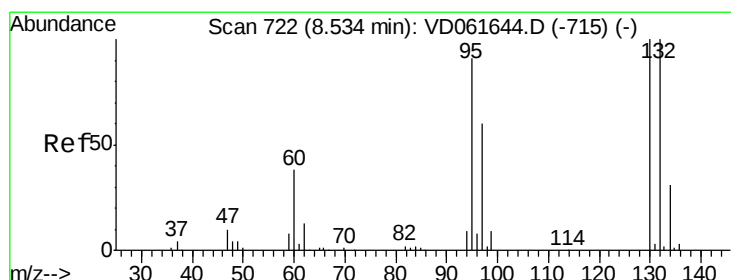
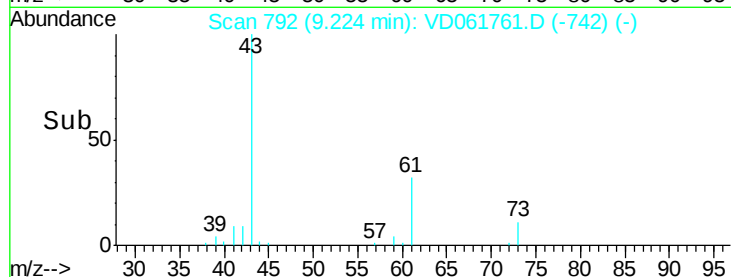
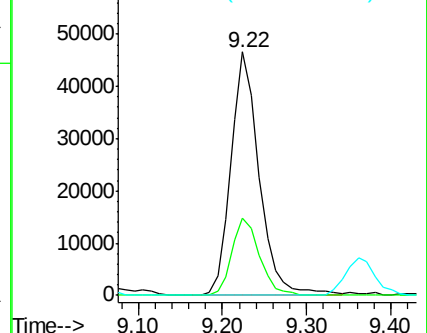
87 0.0 0.2 0.4#



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: 19.836 ug/l

RT: 8.52 min Scan# 721

Delta R.T. -0.01 min

Lab File: VD061761.D

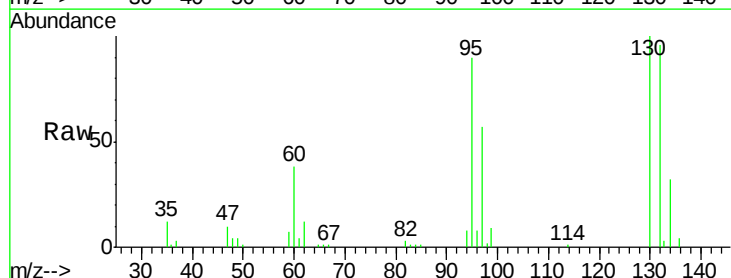
Acq: 12 Apr 2019 3:19

Tgt Ion:130 Resp: 142600

Ion Ratio Lower Upper

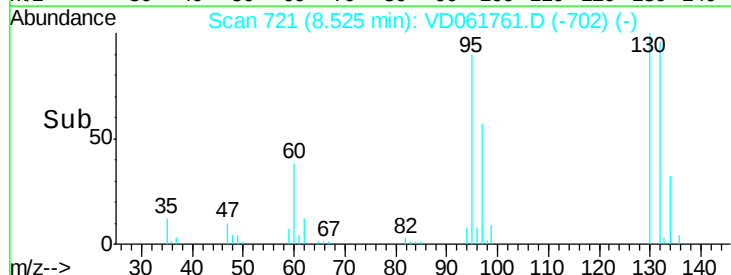
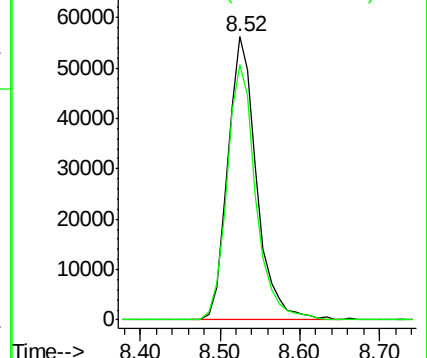
130 100

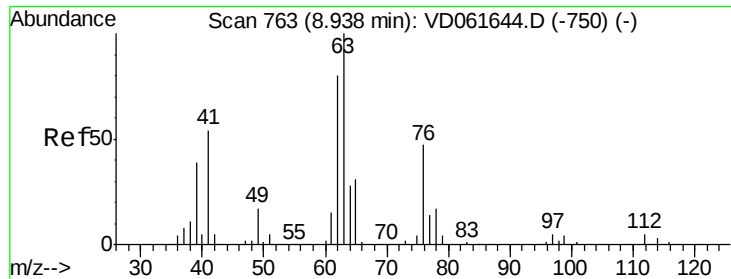
95 90.2 0.0 181.8



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 21.805 ug/l

RT: 8.93 min Scan# 762

Delta R.T. -0.01 min

Lab File: VD061761.D

Acq: 12 Apr 2019 3:19

Instrument :

MSVOA_D

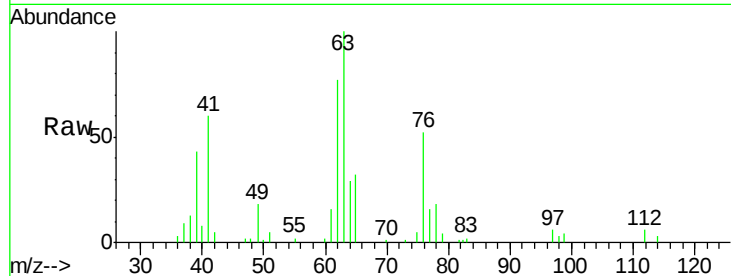
ClientSampleId :

Tot Ion: 63 Resp: 101402

Ion Ratio Lower Upper

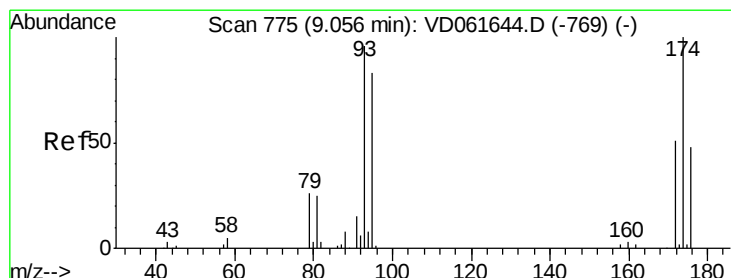
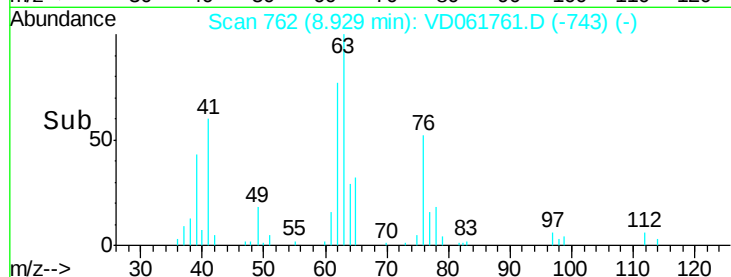
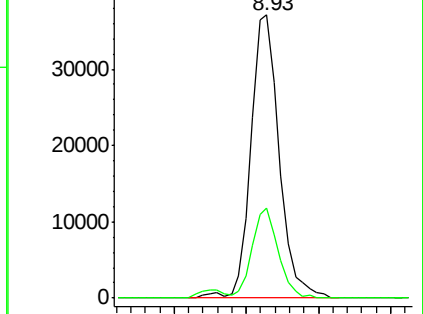
63 100

65 31.9 24.5 36.7



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC



#46

Dibromomethane

Concen: 23.814 ug/l

RT: 9.05 min Scan# 774

Delta R.T. -0.01 min

Lab File: VD061761.D

Acq: 12 Apr 2019 3:19

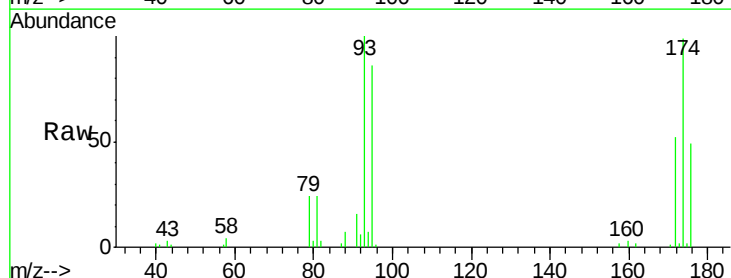
Tgt Ion: 93 Resp: 79148

Ion Ratio Lower Upper

93 100

95 86.2 68.6 103.0

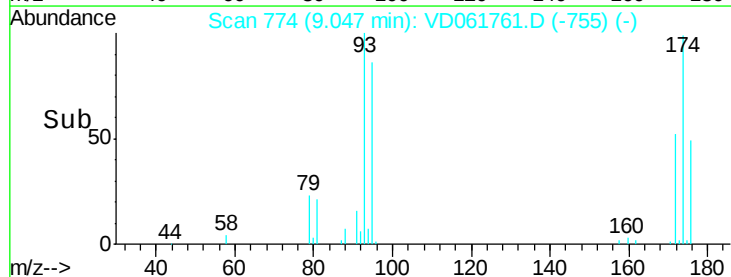
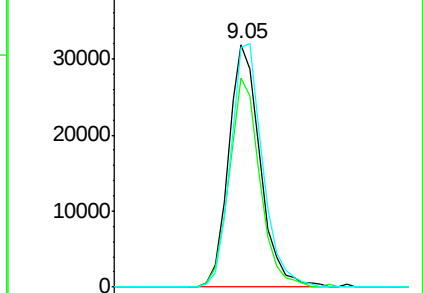
174 98.7 83.0 124.4

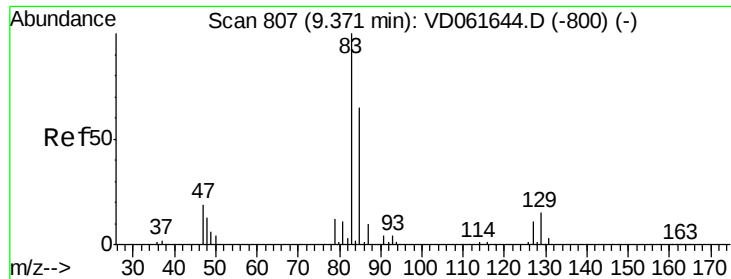


Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): VDC





#47

Bromodichloromethane

Concen: 23.451 ug/l

RT: 9.36 min Scan# 806

Delta R.T. -0.01 min

Lab File: VD061761.D

Acq: 12 Apr 2019 3:19

Instrument :

MSVOA_D

ClientSampleId :

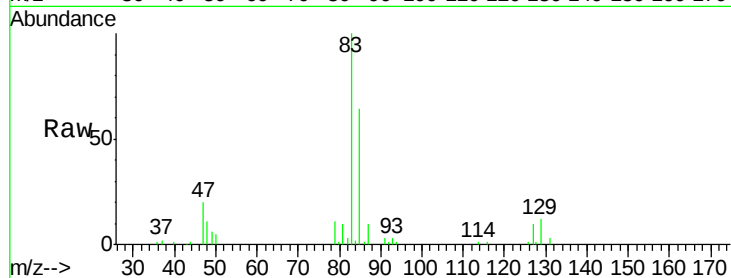
Tot Ion: 83 Resp: 171184

Ion Ratio Lower Upper

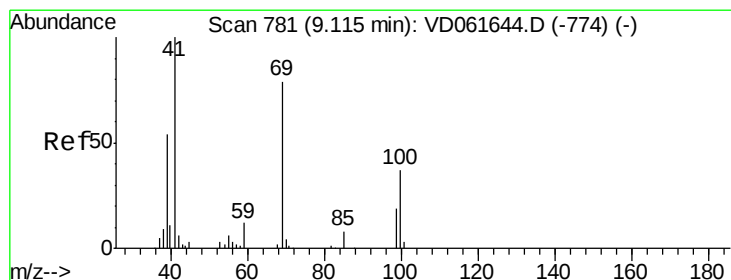
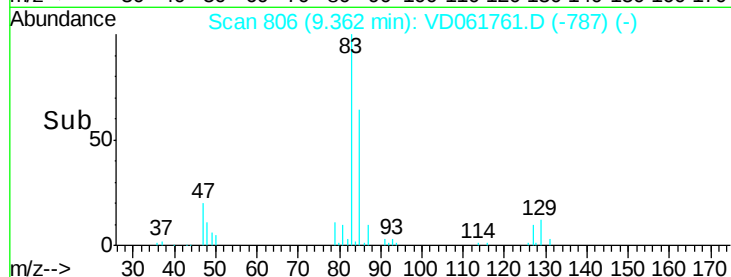
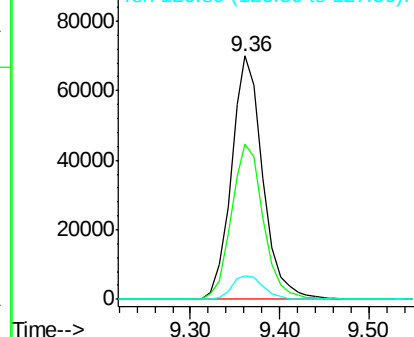
83 100

85 64.0 51.8 77.6

127 9.6 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): V



#48

Methyl methacrylate

Concen: 23.195 ug/l

RT: 9.11 min Scan# 780

Delta R.T. -0.01 min

Lab File: VD061761.D

Acq: 12 Apr 2019 3:19

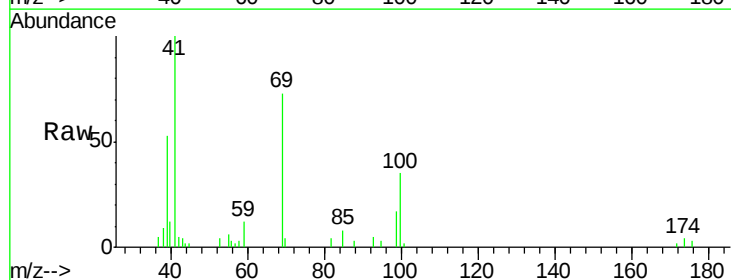
Tgt Ion: 41 Resp: 61435

Ion Ratio Lower Upper

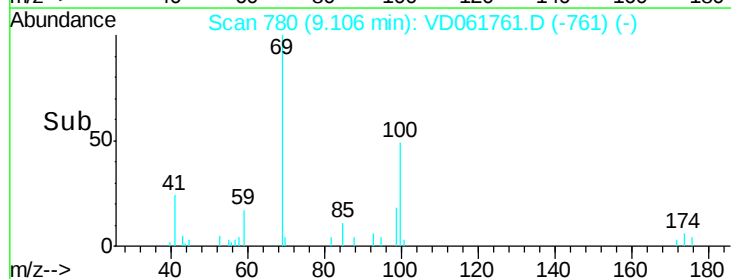
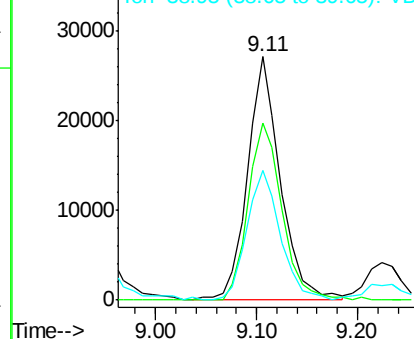
41 100

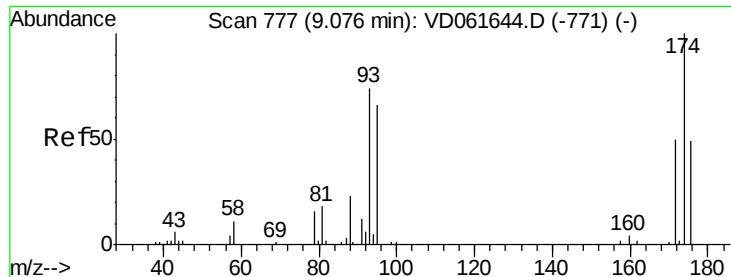
69 72.7 63.1 94.7

39 53.1 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

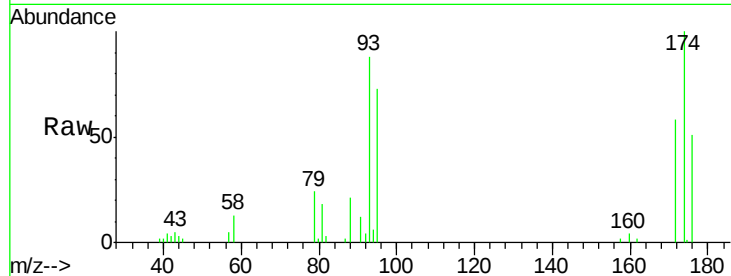




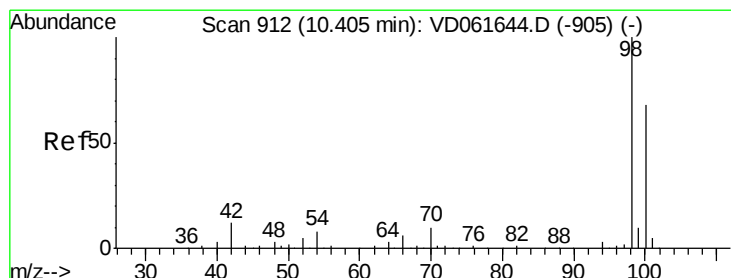
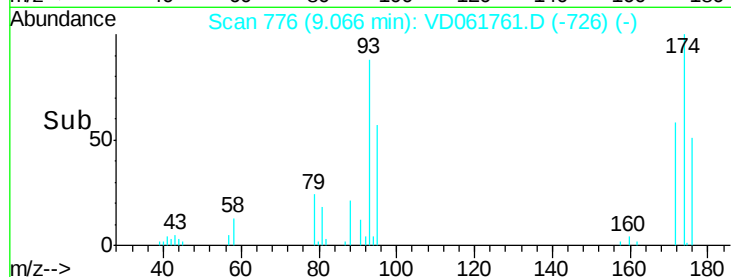
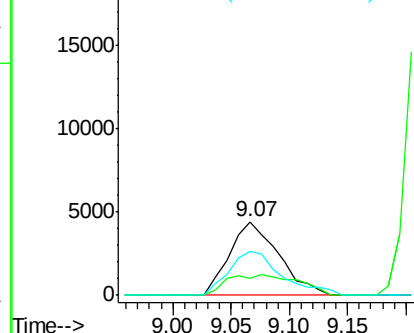
#49
1,4-Dioxane
Concen: 440.261 ug/l
RT: 9.07 min Scan# 776
Delta R.T. -0.01 min
Lab File: VD061761.D
Acq: 12 Apr 2019 3:19

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 88 Resp: 12871
Ion Ratio Lower Upper
88 100
43 23.1 21.8 32.8
58 60.1 40.2 60.2

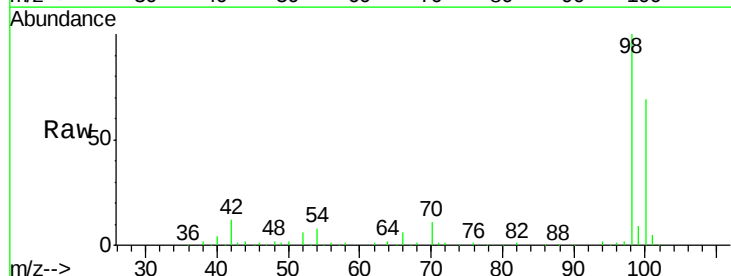


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 57.95 (57.65 to 58.65): VDC

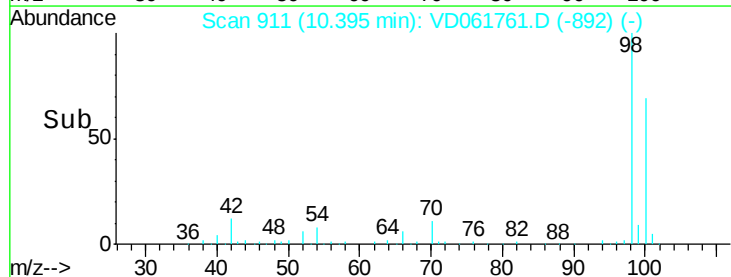
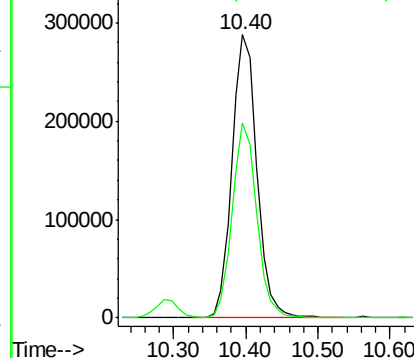


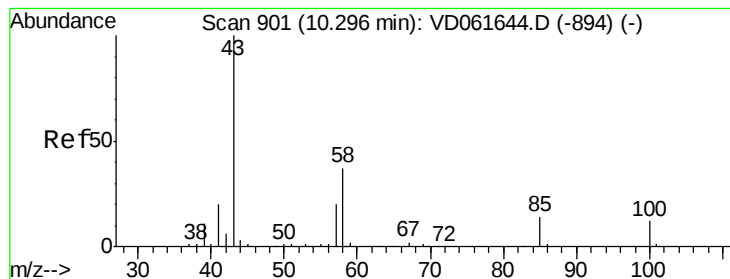
#50
Toluene-d8
Concen: 440.261 ug/l
RT: 10.40 min Scan# 911
Delta R.T. -0.01 min
Lab File: VD061761.D
Acq: 12 Apr 2019 3:19

Tgt Ion: 98 Resp: 694522
Ion Ratio Lower Upper
98 100
100 69.1 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: 119.422 ug/l

RT: 10.29 min Scan# 900

Delta R.T. -0.01 min

Lab File: VD061761.D

Acq: 12 Apr 2019 3:19

Instrument :

MSVOA_D

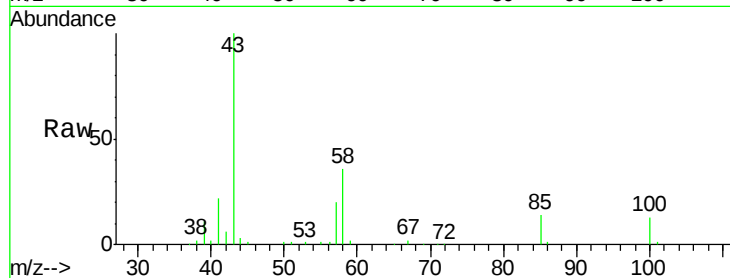
ClientSampleId :

Tot Ion: 43 Resp: 324510

Ion Ratio Lower Upper

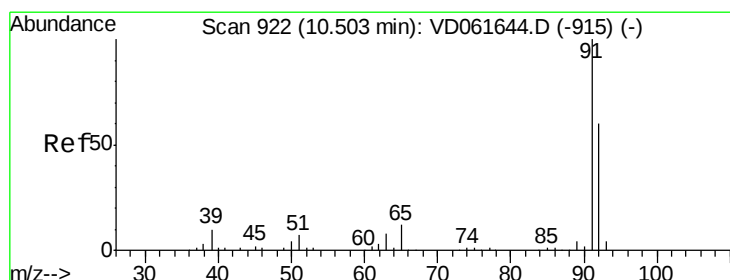
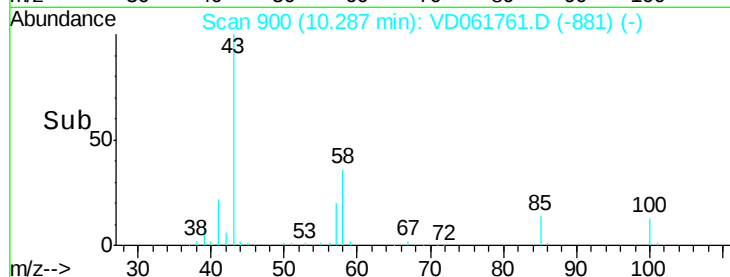
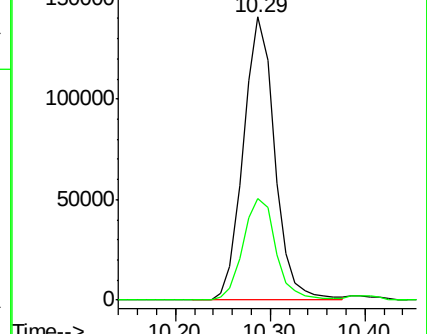
43 100

58 35.9 29.8 44.8



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#52

Toluene

Concen: 22.423 ug/l

RT: 10.49 min Scan# 921

Delta R.T. -0.01 min

Lab File: VD061761.D

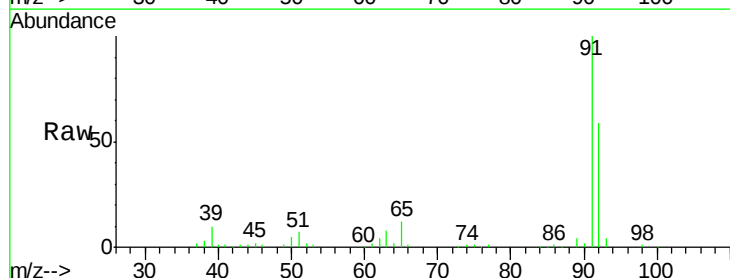
Acq: 12 Apr 2019 3:19

Tgt Ion: 92 Resp: 262561

Ion Ratio Lower Upper

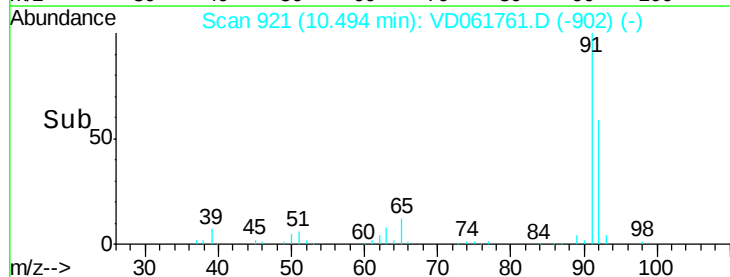
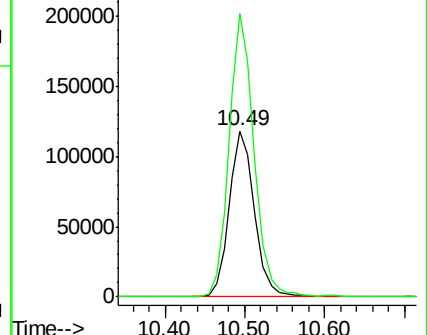
92 100

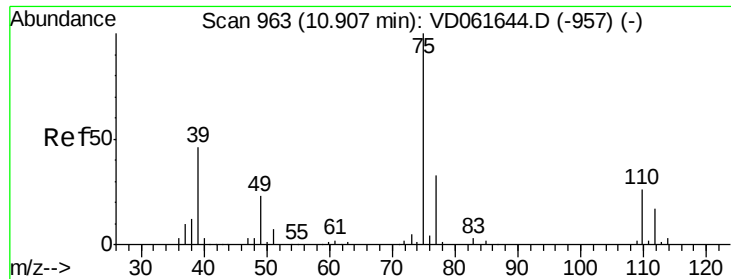
91 170.7 133.0 199.4



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

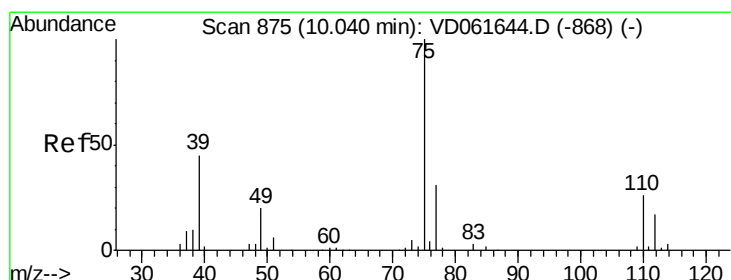
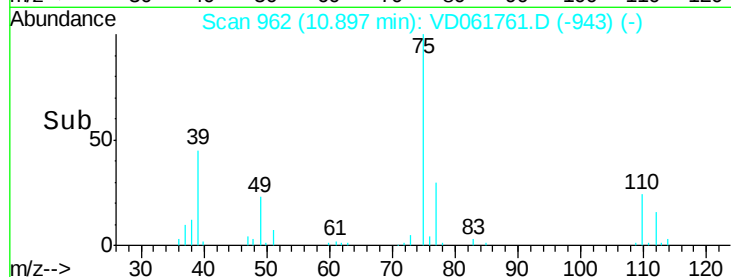
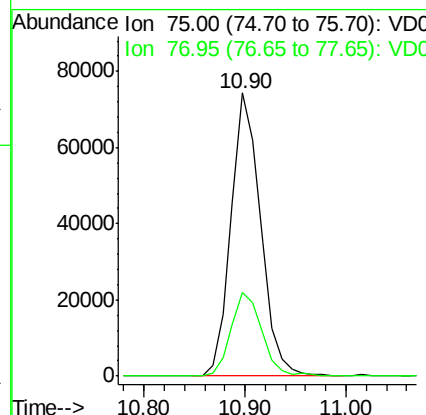
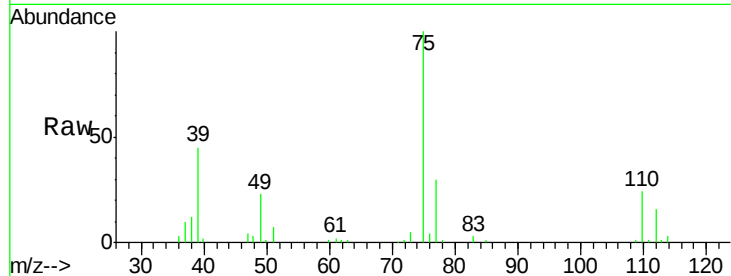




#53
t-1,3-Dichloropropene
Concen: 23.638 ug/l
RT: 10.90 min Scan# 962
Delta R.T. -0.01 min
Lab File: VD061761.D
Acq: 12 Apr 2019 3:19

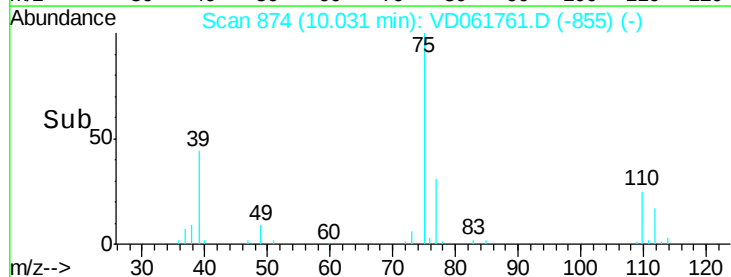
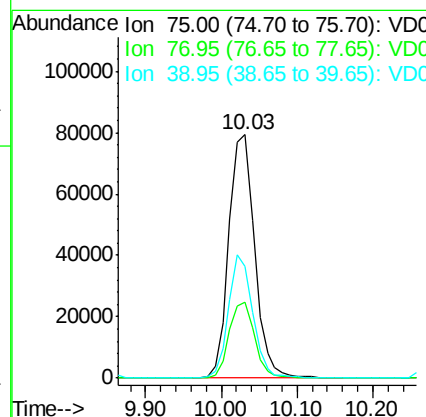
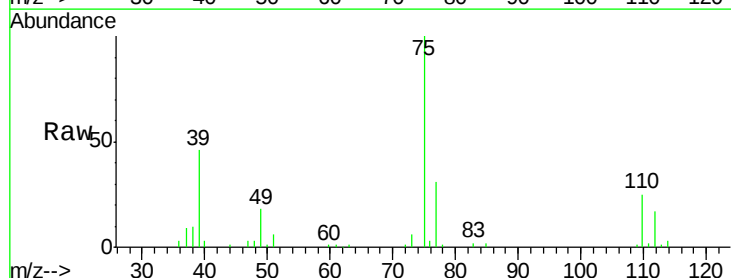
Instrument :
MSVOA_D
ClientSampleId :

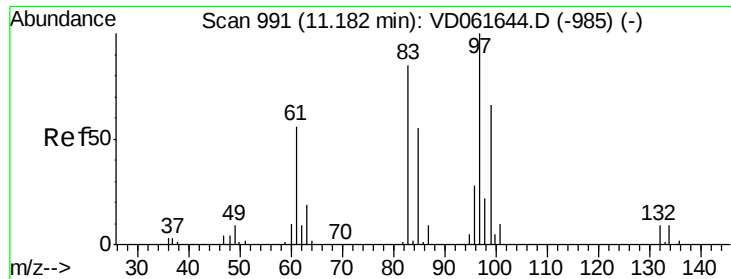
Tot Ion: 75 Resp: 151252
Ion Ratio Lower Upper
75 100
77 29.8 26.2 39.2



#54
cis-1,3-Dichloropropene
Concen: 23.839 ug/l
RT: 10.03 min Scan# 874
Delta R.T. -0.01 min
Lab File: VD061761.D
Acq: 12 Apr 2019 3:19

Tgt Ion: 75 Resp: 188035
Ion Ratio Lower Upper
75 100
77 31.2 24.6 37.0
39 46.2 36.2 54.2

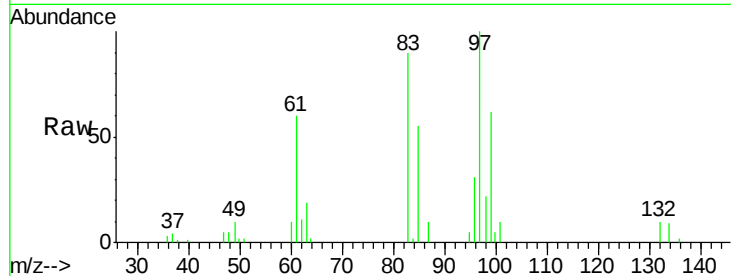




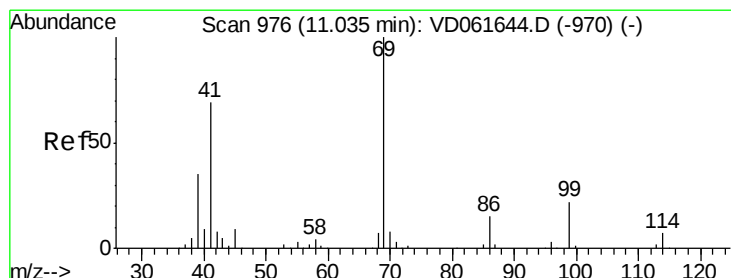
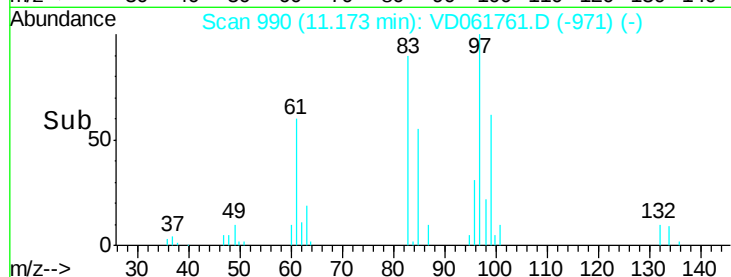
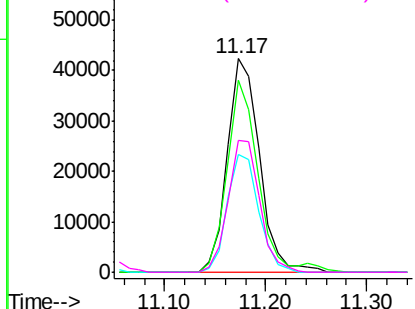
#55
 1,1,2-Trichloroethane
 Concen: 23.825 ug/l
 RT: 11.17 min Scan# 990
 Delta R.T. -0.01 min
 Lab File: VD061761.D
 Acq: 12 Apr 2019 3:19

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:	97	Resp:	94091
Ion	Ratio	Lower	Upper
97	100		
83	90.0	67.8	101.6
85	55.1	43.8	65.8
99	61.8	52.8	79.2

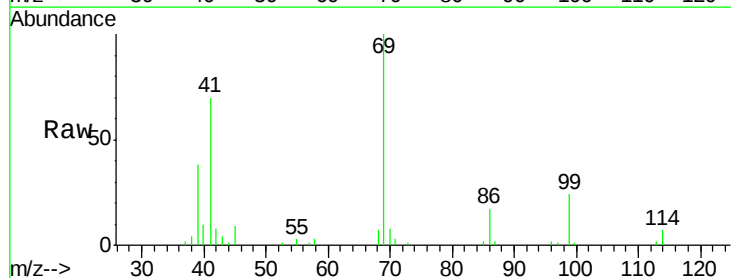


Abundance Ion 96.85 (96.55 to 97.55): VDC
 Ion 82.95 (82.65 to 83.65): VDC
 Ion 84.95 (84.65 to 85.65): VDC
 Ion 98.85 (98.55 to 99.55): VDC

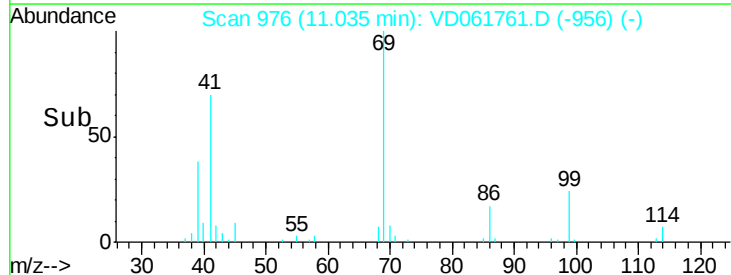
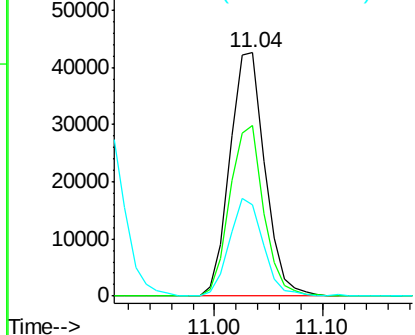


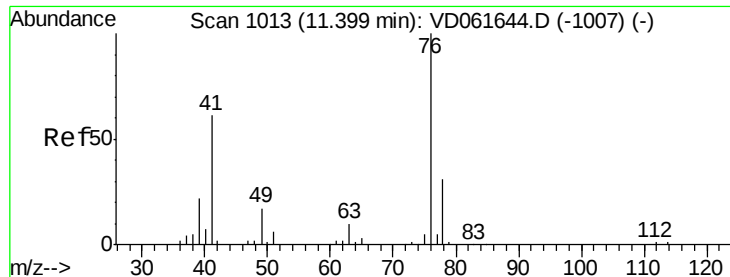
#56
 Ethyl methacrylate
 Concen: 23.040 ug/l
 RT: 11.04 min Scan# 976
 Delta R.T. 0.00 min
 Lab File: VD061761.D
 Acq: 12 Apr 2019 3:19

Tgt Ion:	69	Resp:	95990
Ion	Ratio	Lower	Upper
69	100		
41	70.1	55.2	82.8
39	37.7	28.6	43.0



Abundance Ion 69.00 (68.70 to 69.70): VDC
 Ion 41.05 (40.75 to 41.75): VDC
 Ion 38.95 (38.65 to 39.65): VDC

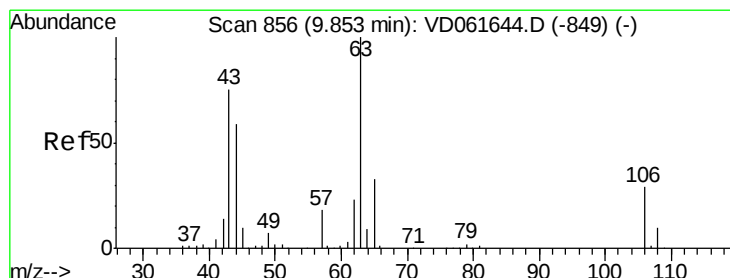
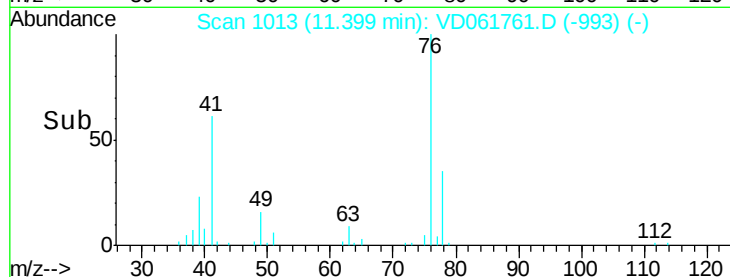
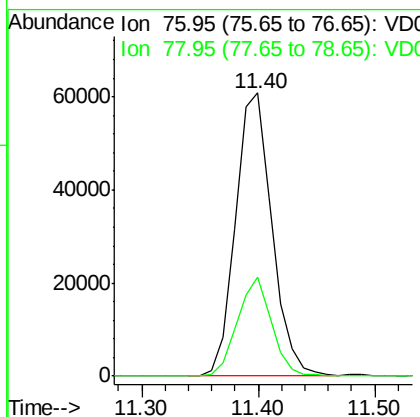
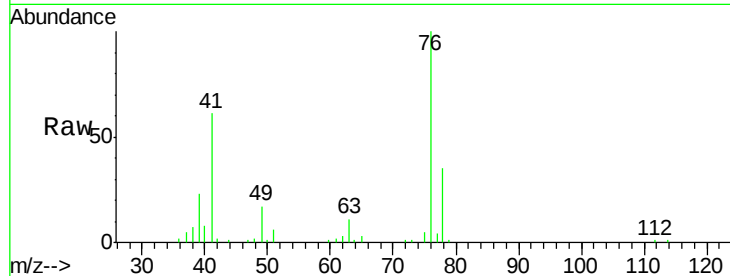




#57
 1,3-Dichloropropane
 Concen: 22.697 ug/l
 RT: 11.40 min Scan# 1013
 Delta R.T. 0.00 min
 Lab File: VD061761.D
 Acq: 12 Apr 2019 3:19

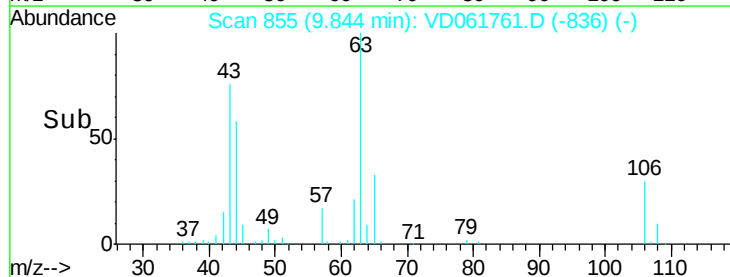
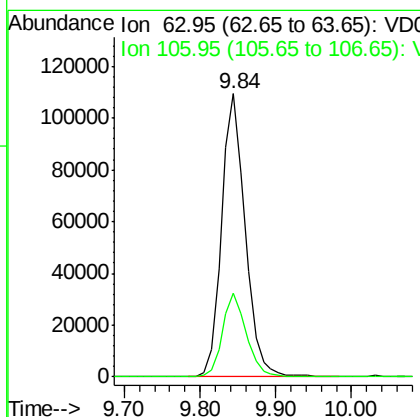
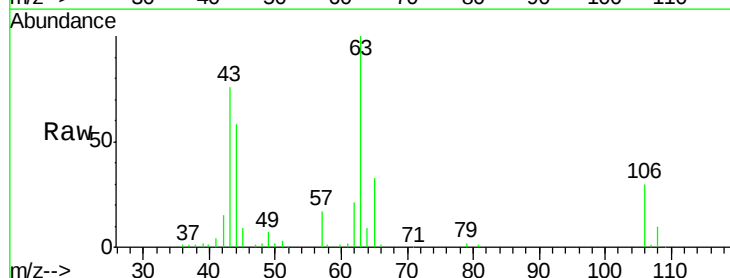
Instrument :
 MSVOA_D
 ClientSampleId :

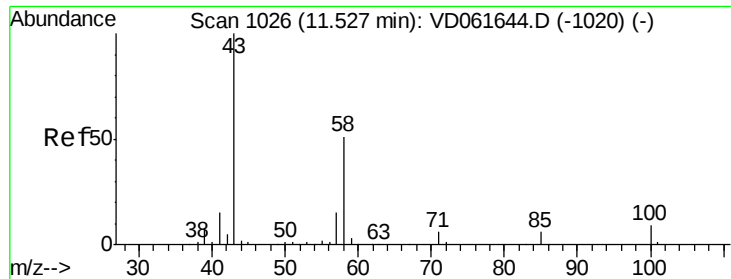
Tot Ion: 76 Resp: 131268
 Ion Ratio Lower Upper
 76 100
 78 35.1 24.5 36.7



#58
 2-Chloroethyl Vinyl ether
 Concen: 120.220 ug/l
 RT: 9.84 min Scan# 855
 Delta R.T. -0.01 min
 Lab File: VD061761.D
 Acq: 12 Apr 2019 3:19

Tgt Ion: 63 Resp: 236328
 Ion Ratio Lower Upper
 63 100
 106 29.8 23.0 34.6

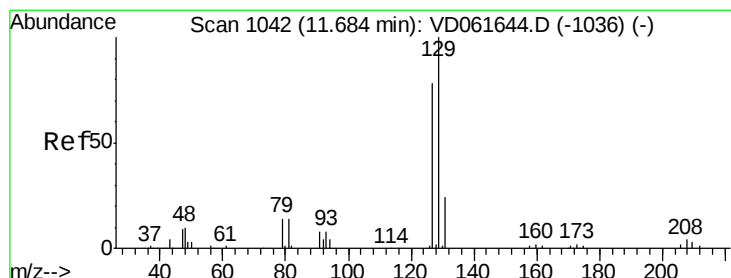
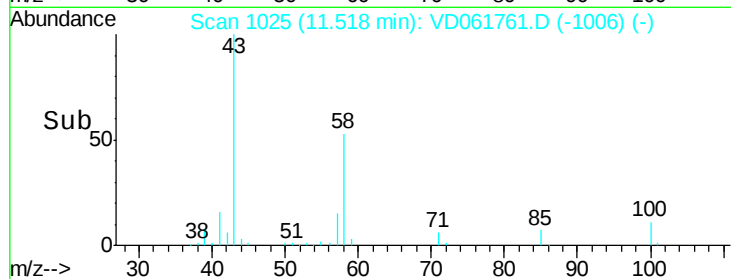
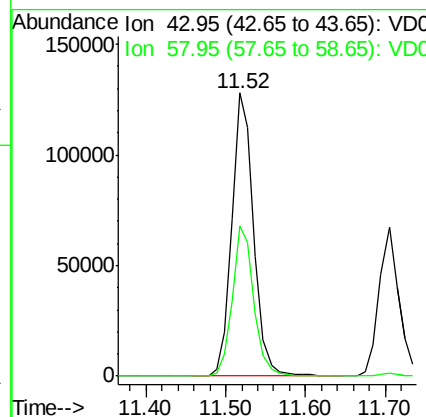
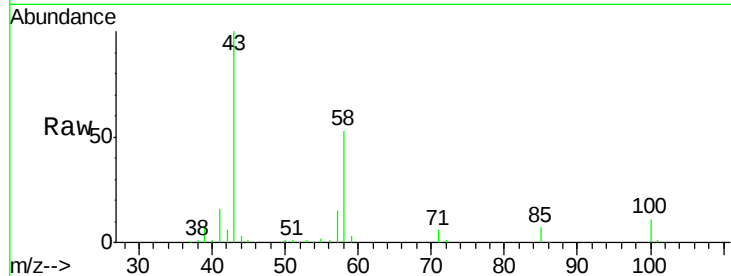




#59
2-Hexanone
Concen: 116.578 ug/l
RT: 11.52 min Scan# 1025
Delta R.T. -0.01 min
Lab File: VD061761.D
Acq: 12 Apr 2019 3:19

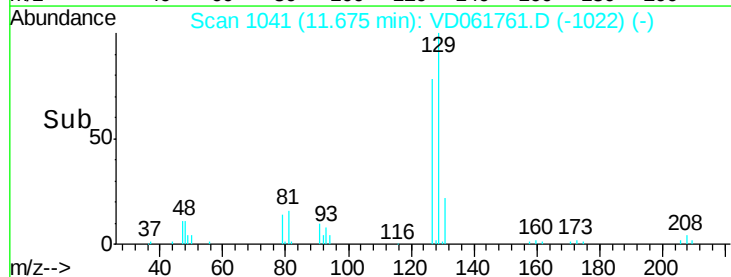
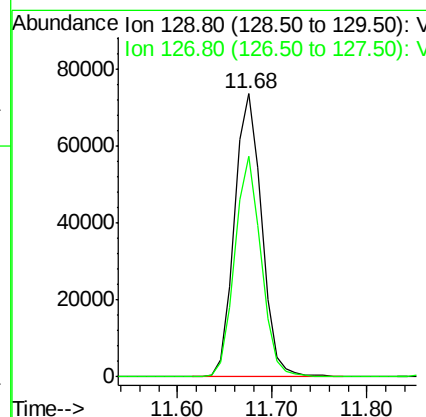
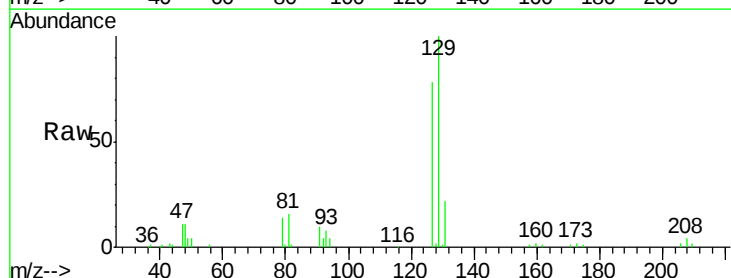
Instrument :
MSVOA_D
ClientSampled :

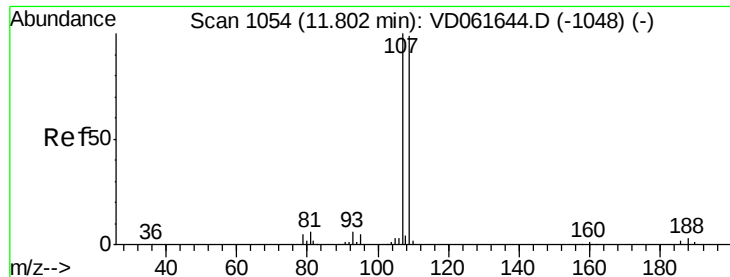
Tot Ion: 43 Resp: 245849
Ion Ratio Lower Upper
43 100
58 53.2 25.6 76.8



#60
Dibromochloromethane
Concen: 23.423 ug/l
RT: 11.68 min Scan# 1041
Delta R.T. -0.01 min
Lab File: VD061761.D
Acq: 12 Apr 2019 3:19

Tgt Ion: 129 Resp: 146148
Ion Ratio Lower Upper
129 100
127 77.8 38.8 116.4

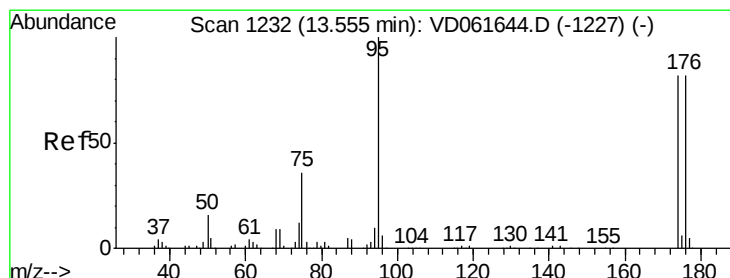
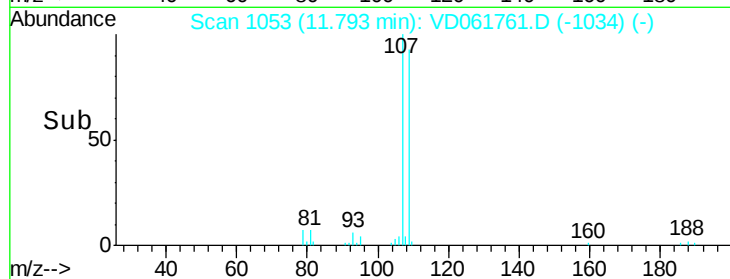
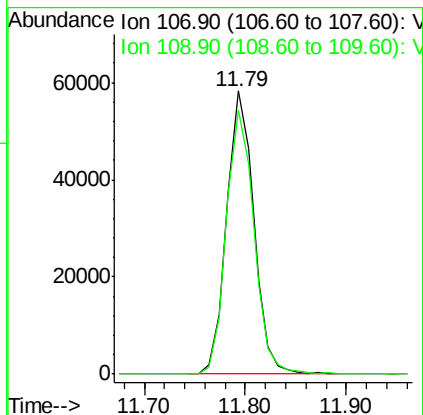
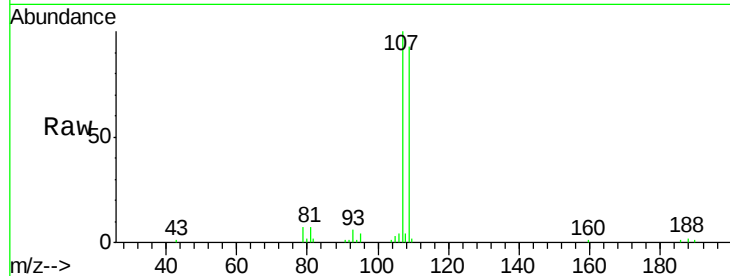




#61
 1,2-Dibromoethane
 Concen: 23.567 ug/l
 RT: 11.79 min Scan# 1053
 Delta R.T. -0.01 min
 Lab File: VD061761.D
 Acq: 12 Apr 2019 3:19

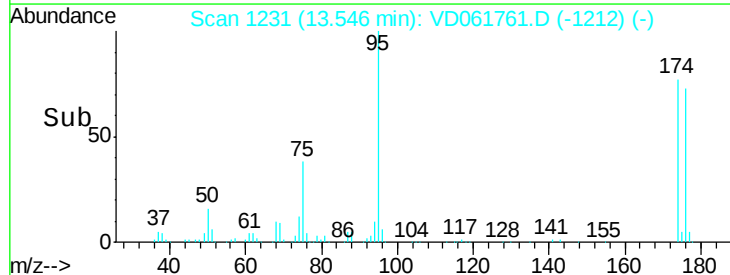
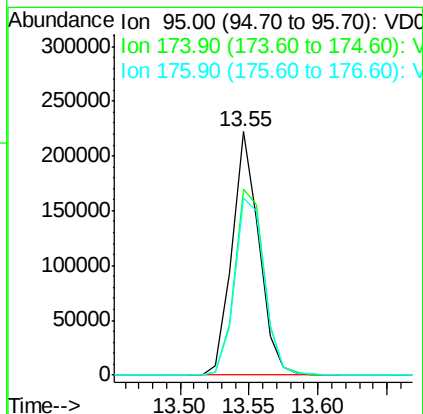
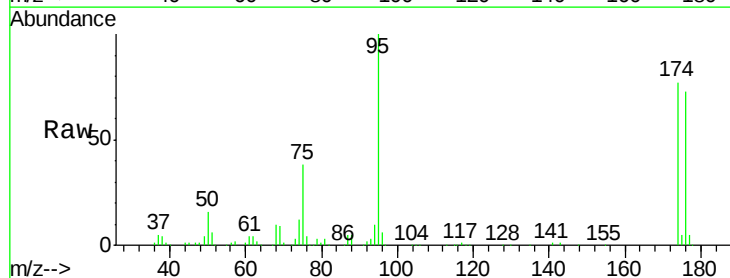
Instrument :
 MSVOA_D
 ClientSampleId :

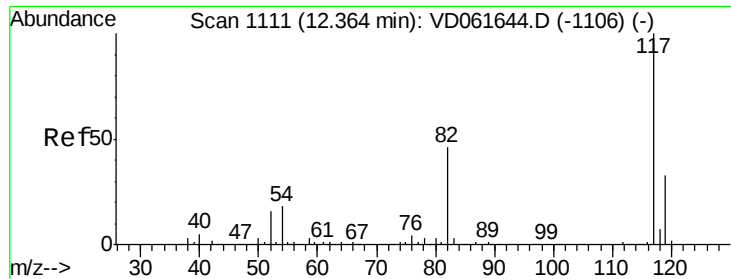
Tot Ion: 107 Resp: 108844
 Ion Ratio Lower Upper
 107 100
 109 93.3 79.2 118.8



#62
 4-Bromofluorobenzene
 Concen: 23.567 ug/l
 RT: 13.55 min Scan# 1231
 Delta R.T. -0.01 min
 Lab File: VD061761.D
 Acq: 12 Apr 2019 3:19

Tgt Ion: 95 Resp: 301818
 Ion Ratio Lower Upper
 95 100
 174 76.5 0.0 164.6
 176 72.7 0.0 165.0

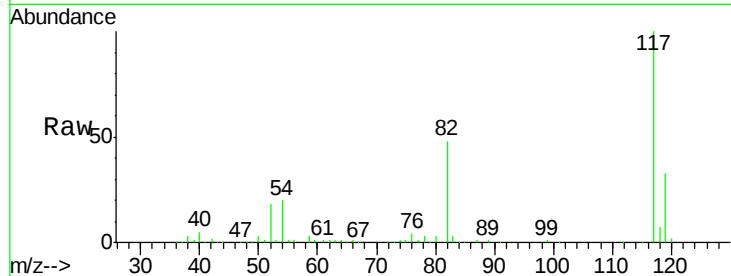




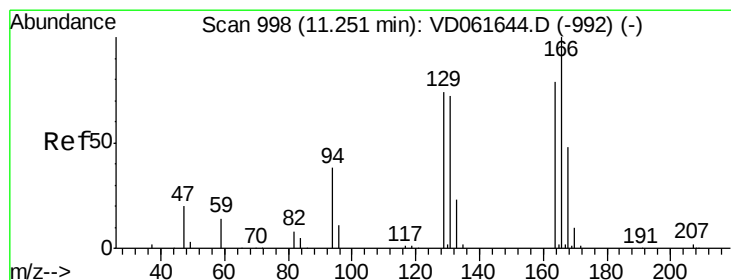
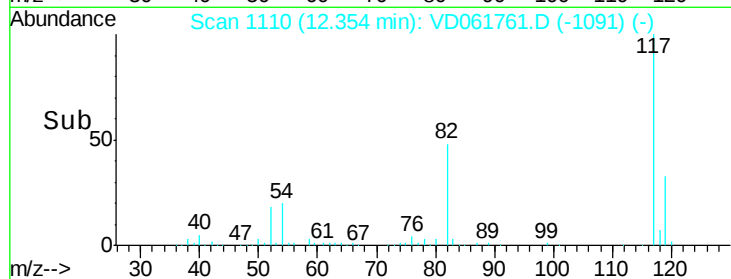
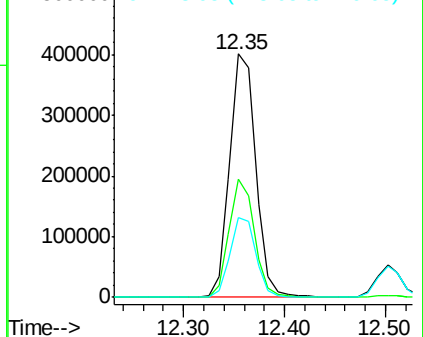
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.35 min Scan# 1110
Delta R.T. -0.01 min
Lab File: VD061761.D
Acq: 12 Apr 2019 3:19

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:117 Resp: 721016
Ion Ratio Lower Upper
117 100
82 48.4 36.8 55.2
119 32.7 26.1 39.1

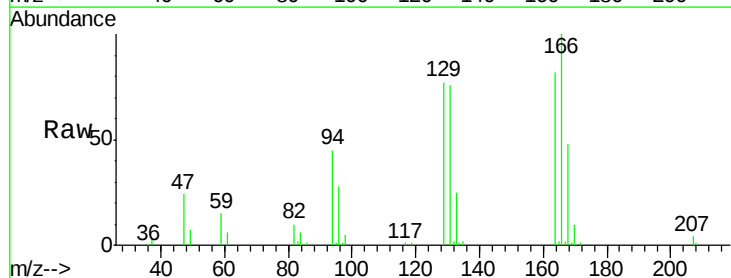


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

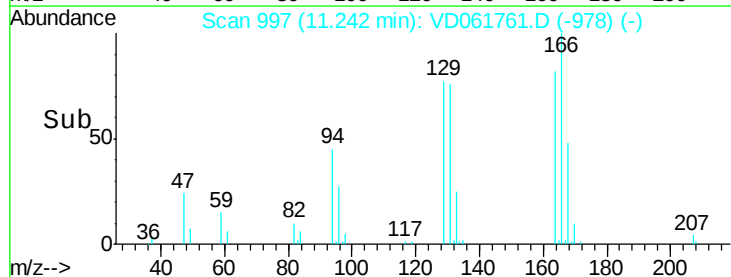
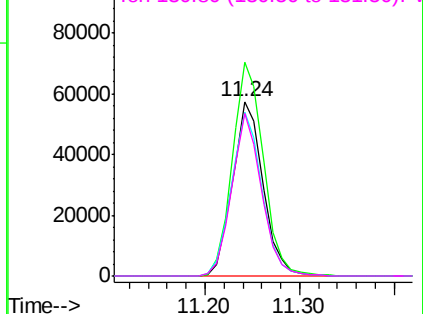


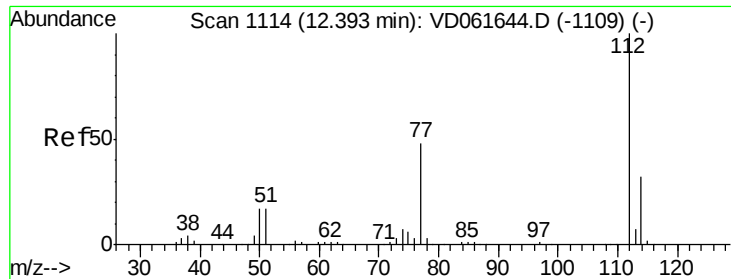
#64
Tetrachloroethene
Concen: 22.805 ug/l
RT: 11.24 min Scan# 997
Delta R.T. -0.01 min
Lab File: VD061761.D
Acq: 12 Apr 2019 3:19

Tgt Ion:164 Resp: 127634
Ion Ratio Lower Upper
164 100
166 122.6 101.8 152.8
129 94.3 75.4 113.0
131 93.0 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

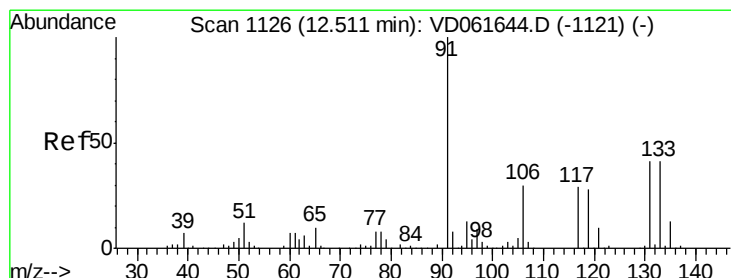
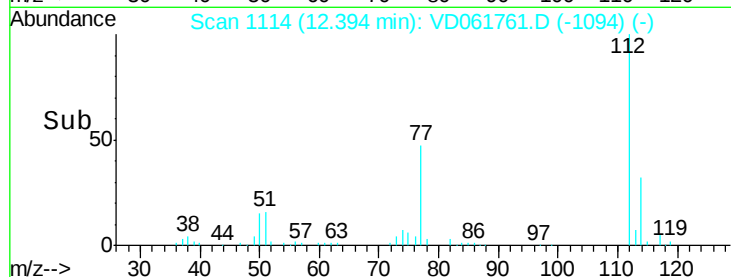
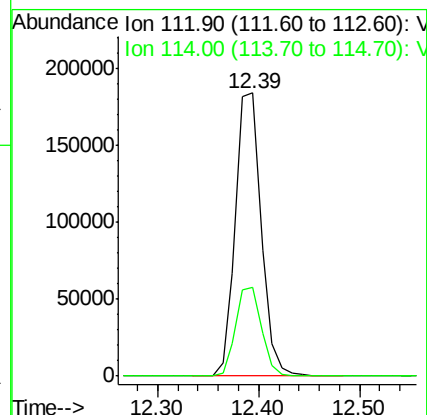
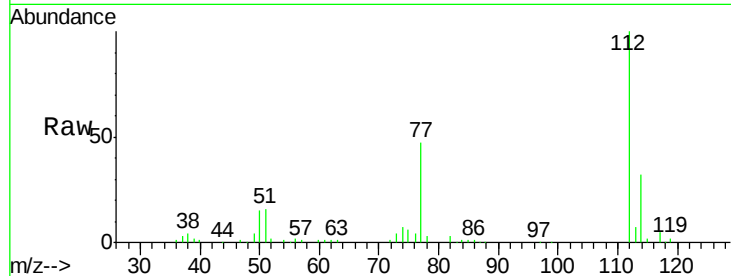




#65
Chlorobenzene
Concen: 22.870 ug/l
RT: 12.39 min Scan# 1114
Delta R.T. 0.00 min
Lab File: VD061761.D
Acq: 12 Apr 2019 3:19

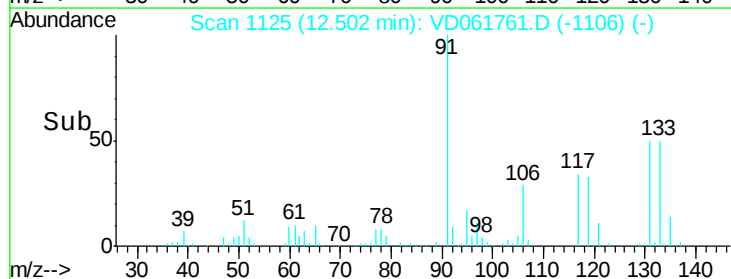
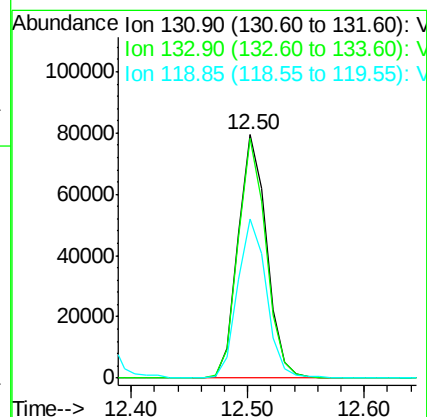
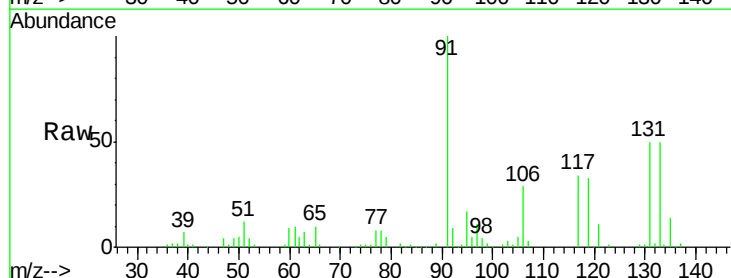
Instrument :
MSVOA_D
ClientSampleId :

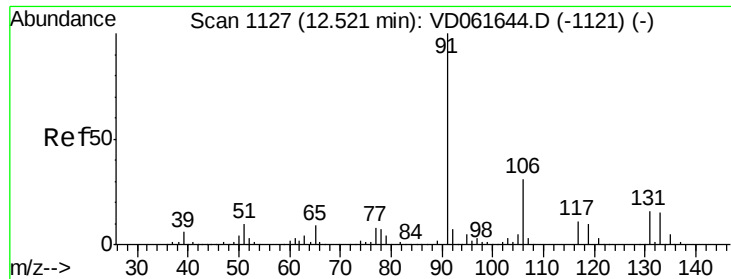
Tot Ion:112 Resp: 327003
Ion Ratio Lower Upper
112 100
114 31.6 25.6 38.4



#66
1,1,1,2-Tetrachloroethane
Concen: 24.601 ug/l
RT: 12.50 min Scan# 1125
Delta R.T. -0.01 min
Lab File: VD061761.D
Acq: 12 Apr 2019 3:19

Tgt Ion:131 Resp: 135357
Ion Ratio Lower Upper
131 100
133 98.6 49.5 148.3
119 65.2 34.7 104.1

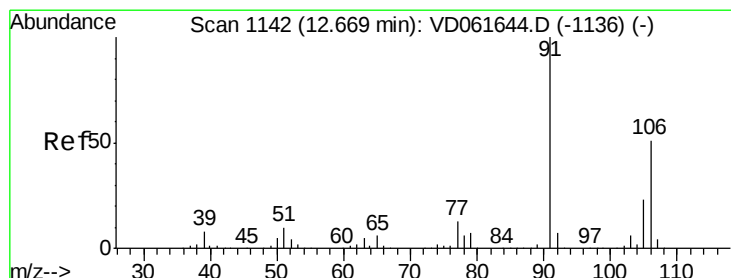
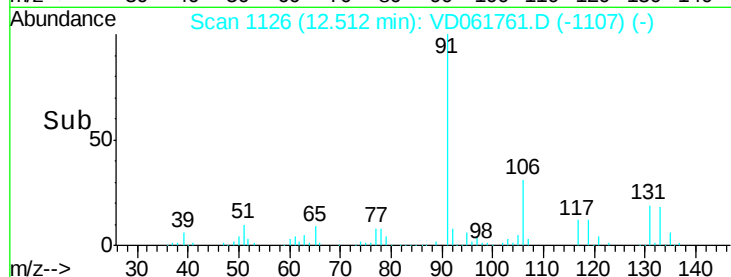
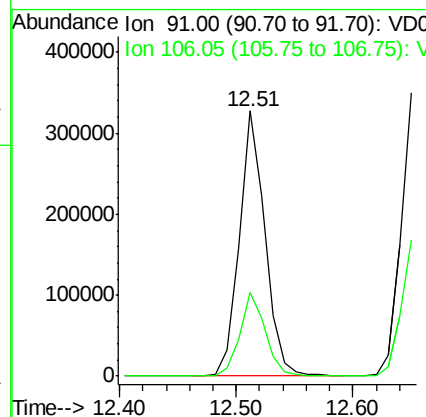
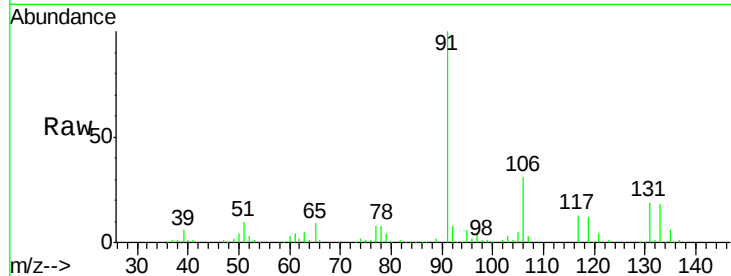




#67
Ethyl Benzene
Concen: 22.932 ug/l
RT: 12.51 min Scan# 1126
Delta R.T. -0.01 min
Lab File: VD061761.D
Acq: 12 Apr 2019 3:19

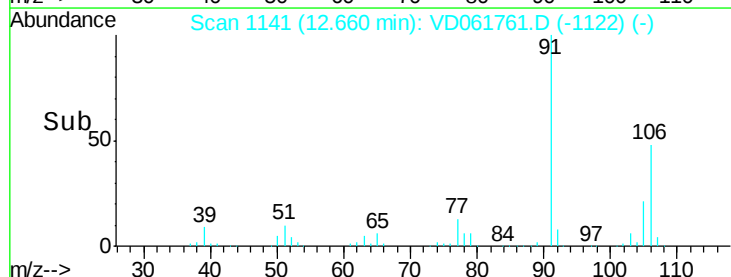
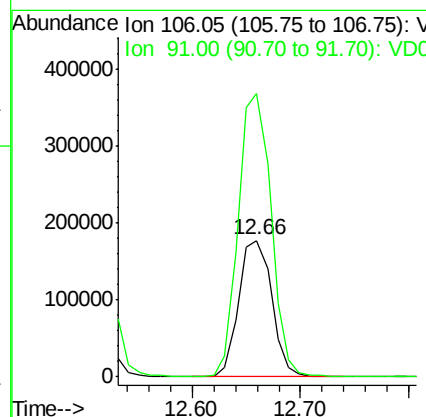
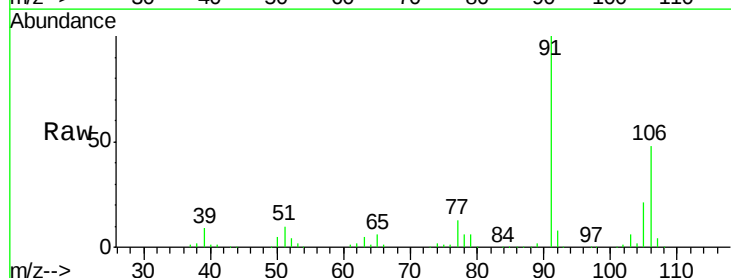
Instrument :
MSVOA_D
ClientSampleId :

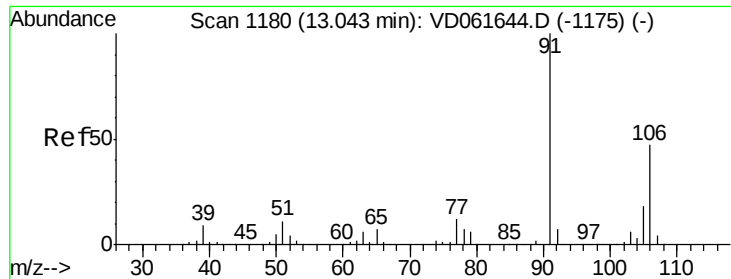
Tot Ion: 91 Resp: 499317
Ion Ratio Lower Upper
91 100
106 31.4 24.6 37.0



#68
m/p-Xylenes
Concen: 44.996 ug/l
RT: 12.66 min Scan# 1141
Delta R.T. -0.01 min
Lab File: VD061761.D
Acq: 12 Apr 2019 3:19

Tgt Ion: 106 Resp: 377710
Ion Ratio Lower Upper
106 100
91 207.8 156.7 235.1

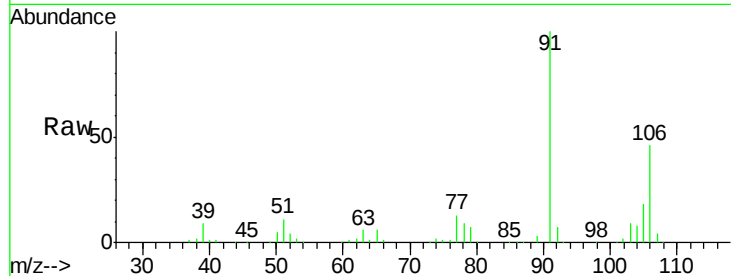




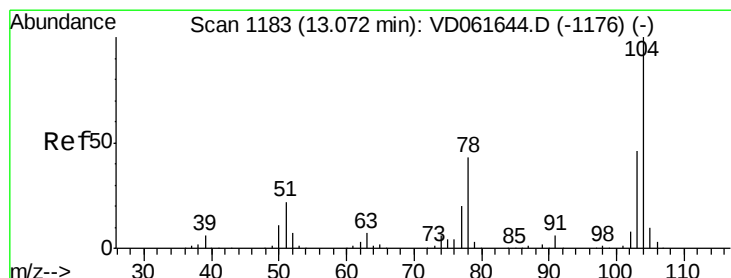
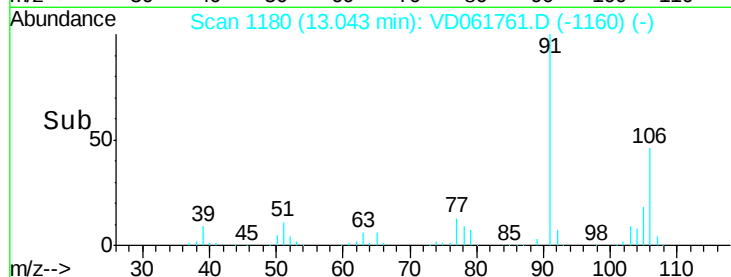
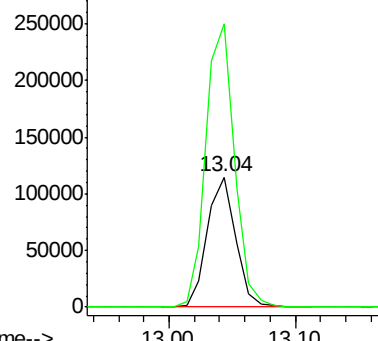
#69
o-Xylene
Concen: 22.050 ug/l
RT: 13.04 min Scan# 1180
Delta R.T. 0.00 min
Lab File: VD061761.D
Acq: 12 Apr 2019 3:19

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:106 Resp: 178674
Ion Ratio Lower Upper
106 100
91 217.2 107.3 321.9

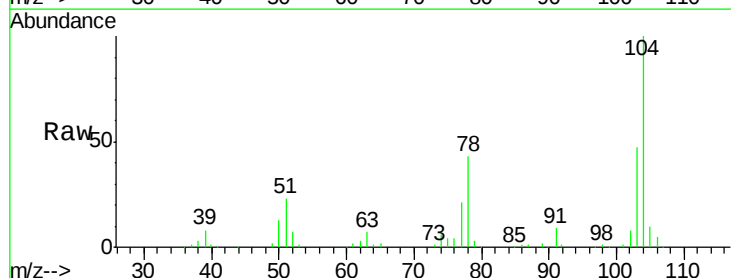


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): VDC

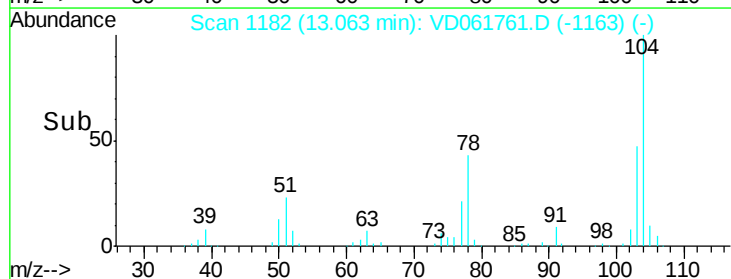
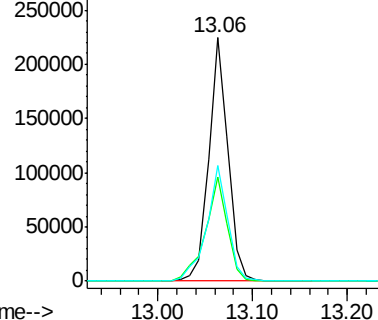


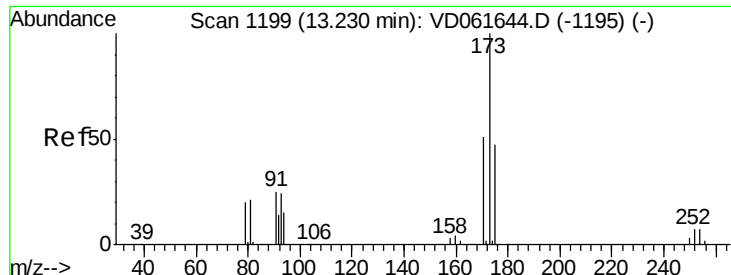
#70
Styrene
Concen: 22.830 ug/l
RT: 13.06 min Scan# 1182
Delta R.T. -0.01 min
Lab File: VD061761.D
Acq: 12 Apr 2019 3:19

Tgt Ion:104 Resp: 315932
Ion Ratio Lower Upper
104 100
78 42.8 34.2 51.4
103 47.4 37.2 55.8



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





#71

Bromoform

Concen: 23.120 ug/l

RT: 13.23 min Scan# 1199

Delta R.T. 0.00 min

Lab File: VD061761.D

Acq: 12 Apr 2019 3:19

Instrument :

MSVOA_D

ClientSampleId :

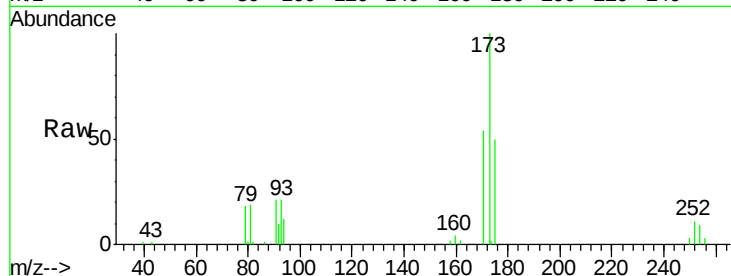
Tot Ion:173 Resp: 78928

Ion Ratio Lower Upper

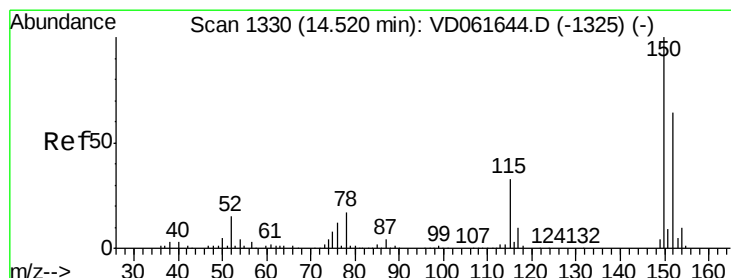
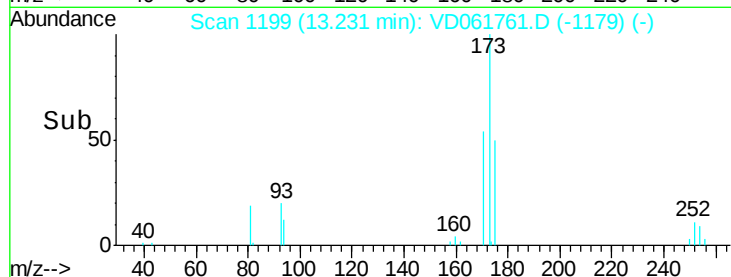
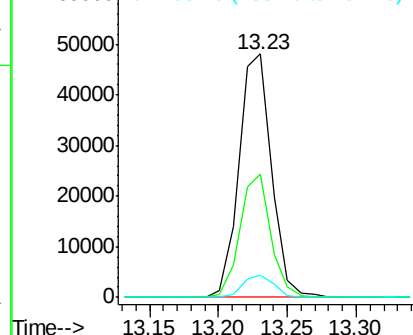
173 100

175 50.4 23.7 71.1

254 8.9 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: 14.51 min Scan# 1329

Delta R.T. -0.01 min

Lab File: VD061761.D

Acq: 12 Apr 2019 3:19

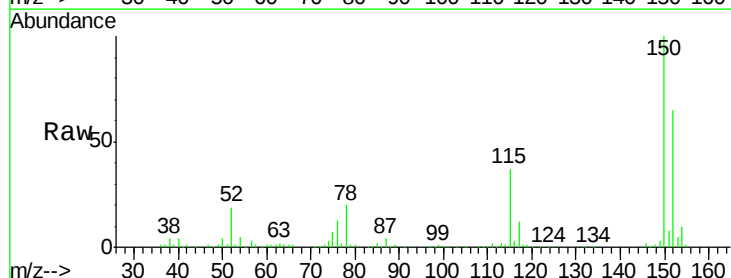
Tgt Ion:152 Resp: 335134

Ion Ratio Lower Upper

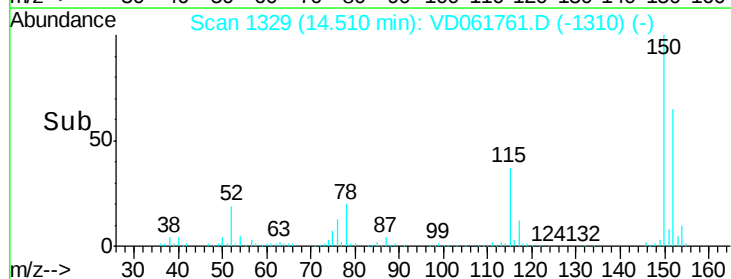
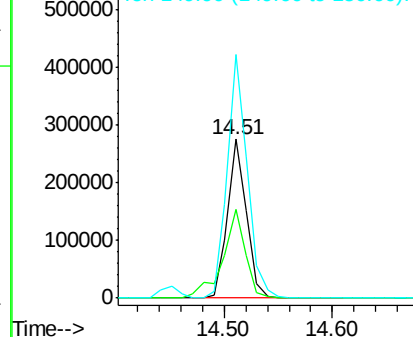
152 100

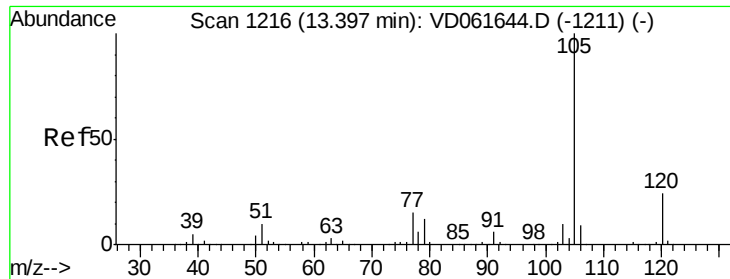
115 56.4 26.4 79.2

150 153.5 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: 21.806 ug/l

RT: 13.40 min Scan# 1216

Delta R.T. 0.00 min

Lab File: VD061761.D

Acq: 12 Apr 2019 3:19

Instrument :

MSVOA_D

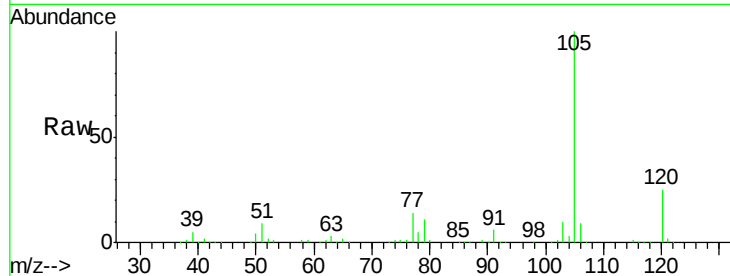
ClientSampleId :

Tot Ion:105 Resp: 486927

Ion Ratio Lower Upper

105 100

120 24.8 12.2 36.4



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V

13.40

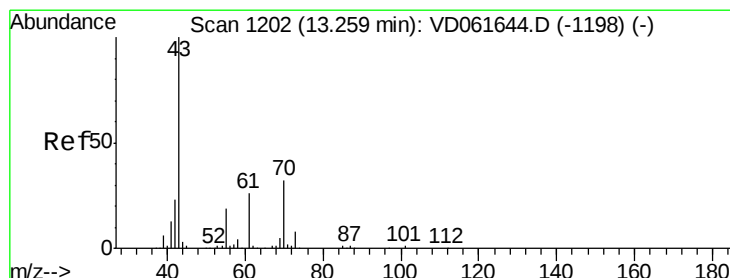
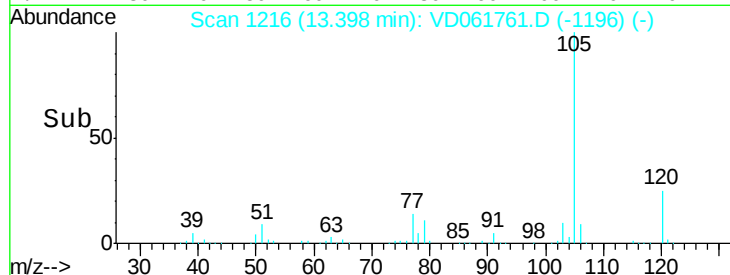
300000

200000

100000

0

Time--> 13.30 13.40 13.50



#74

N-ethyl acetate

Concen: 23.184 ug/l

RT: 13.26 min Scan# 1202

Delta R.T. 0.00 min

Lab File: VD061761.D

Acq: 12 Apr 2019 3:19

Tgt Ion: 43 Resp: 140665

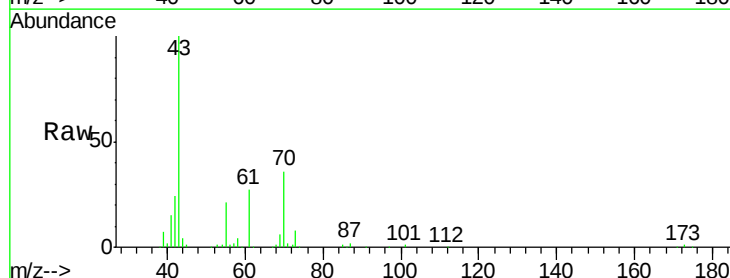
Ion Ratio Lower Upper

43 100

70 36.4 25.4 38.2

55 21.5 15.0 22.4

61 27.1 20.9 31.3



Abundance Ion 42.95 (42.65 to 43.65): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 60.95 (60.65 to 61.65): V

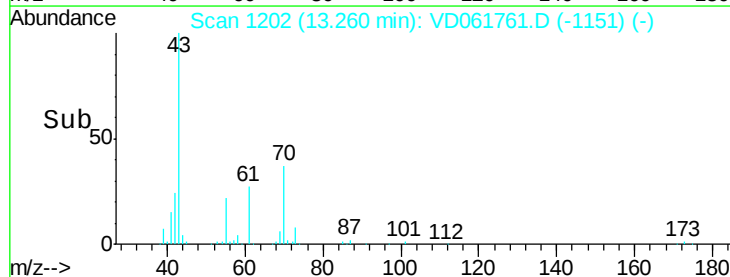
13.26

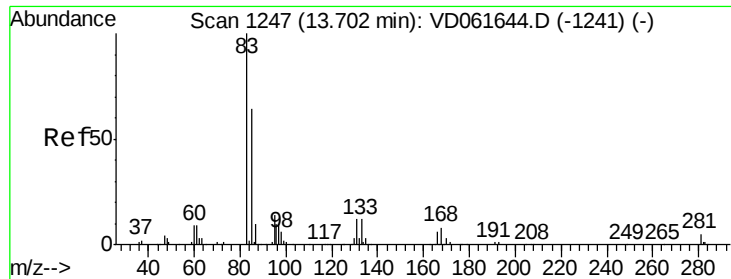
100000

50000

0

Time--> 13.20 13.30





#75

1,1,2,2-Tetrachloroethane

Concen: 22.132 ug/l

RT: 13.69 min Scan# 1246

Delta R.T. -0.01 min

Lab File: VD061761.D

Acq: 12 Apr 2019 3:19

Instrument :

MSVOA_D

ClientSampleId :

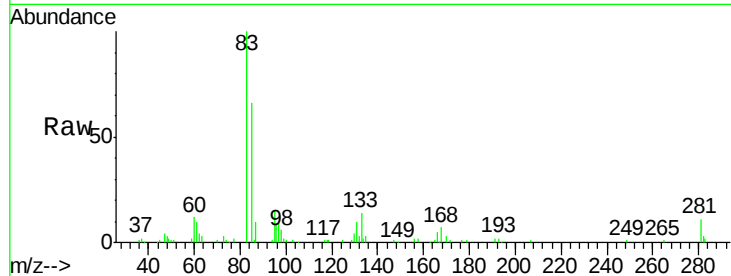
Tot Ion: 83 Resp: 102187

Ion	Ratio	Lower	Upper
83	100		
131	10.3	5.9	17.6
85	66.3	32.0	96.2

83 100

131 10.3 5.9 17.6

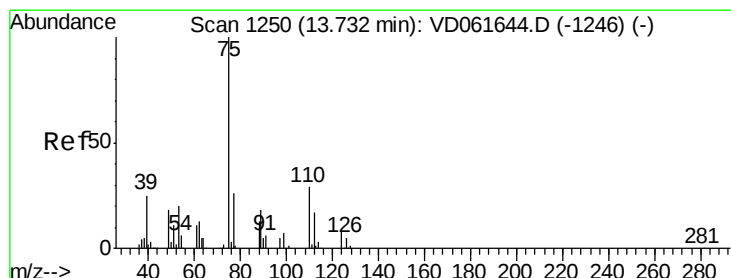
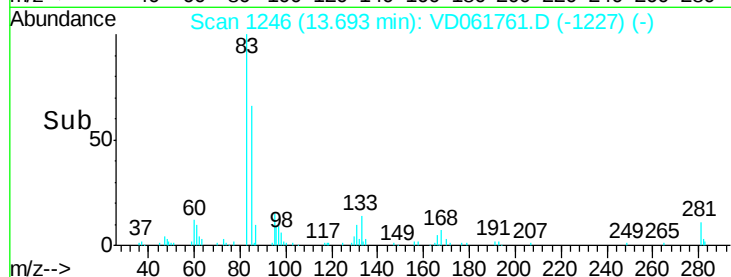
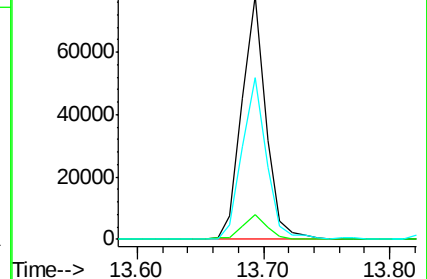
85 66.3 32.0 96.2



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: 22.753 ug/l

RT: 13.72 min Scan# 1249

Delta R.T. -0.01 min

Lab File: VD061761.D

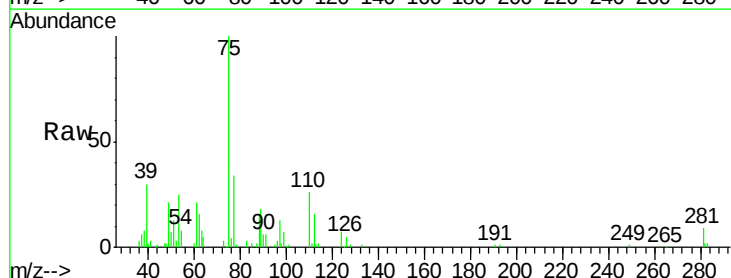
Acq: 12 Apr 2019 3:19

Tgt Ion: 75 Resp: 103743

Ion	Ratio	Lower	Upper
75	100		
77	34.1	15.7	47.1

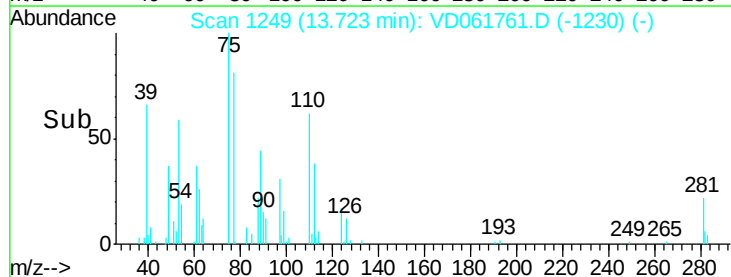
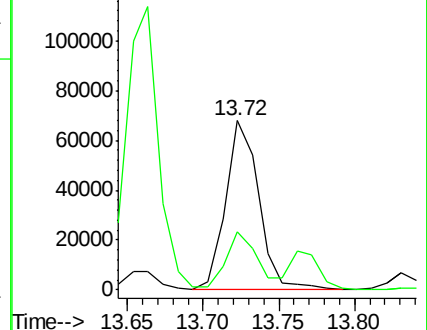
75 100

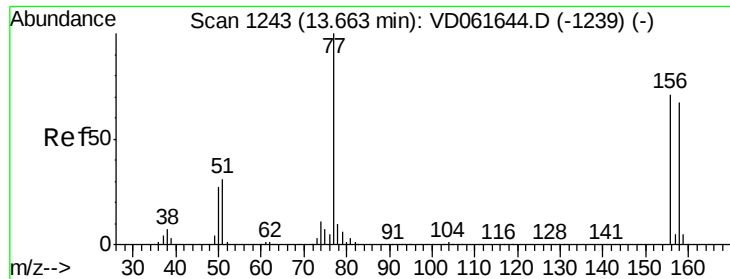
77 34.1 15.7 47.1



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 20.975 ug/l

RT: 13.66 min Scan# 1243

Delta R.T. 0.00 min

Lab File: VD061761.D

Acq: 12 Apr 2019 3:19

Instrument :

MSVOA_D

ClientSampleId :

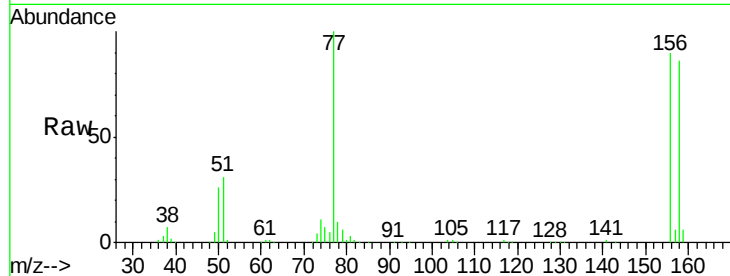
Tot Ion:156 Resp: 135953

Ion Ratio Lower Upper

156 100

77 111.7 70.3 210.8

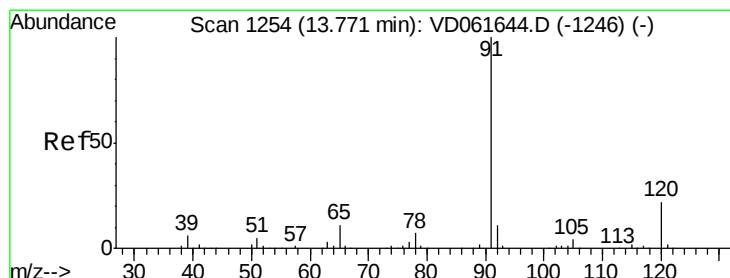
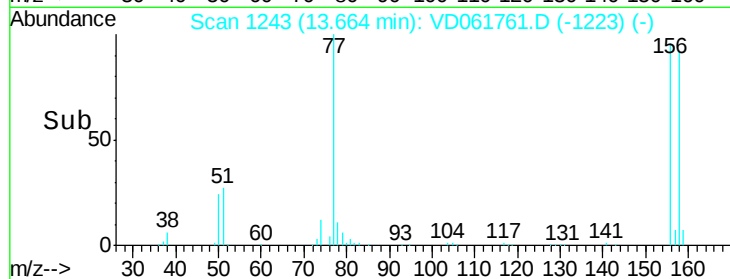
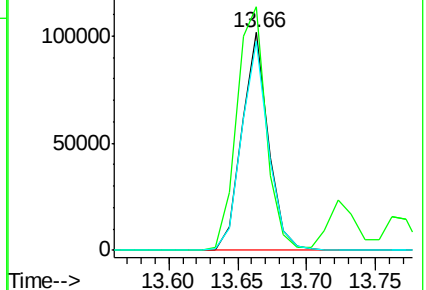
158 95.7 47.4 142.2



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: 22.628 ug/l

RT: 13.76 min Scan# 1253

Delta R.T. -0.01 min

Lab File: VD061761.D

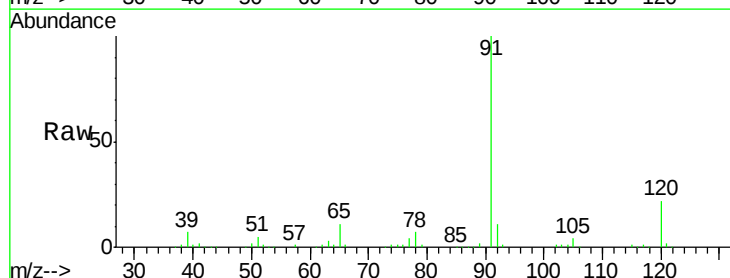
Acq: 12 Apr 2019 3:19

Tgt Ion: 91 Resp: 604438

Ion Ratio Lower Upper

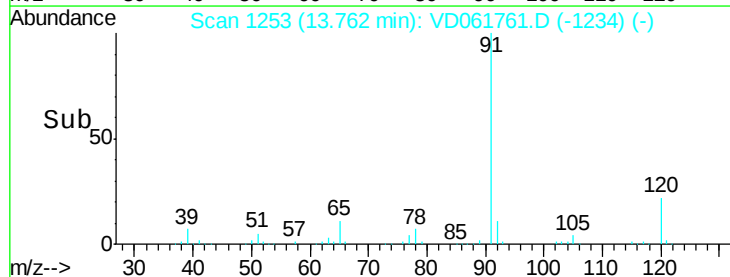
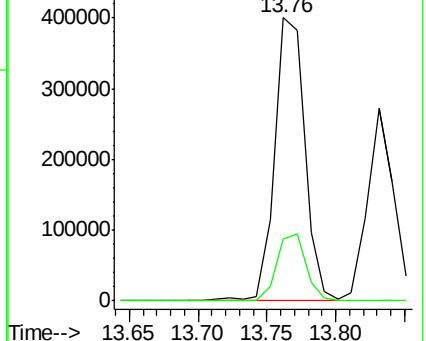
91 100

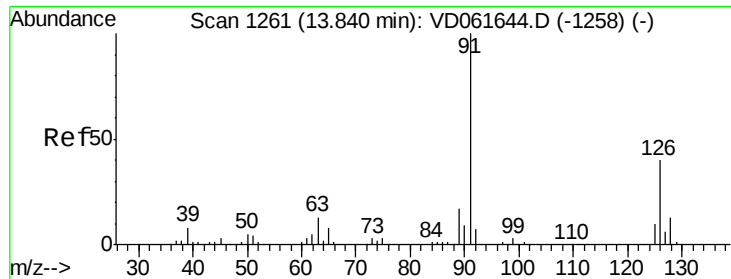
120 21.8 10.8 32.4



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V





#79

2-Chlorotoluene

Concen: 23.551 ug/l

RT: 13.83 min Scan# 1260

Delta R.T. -0.01 min

Lab File: VD061761.D

Acq: 12 Apr 2019 3:19

Instrument :

MSVOA_D

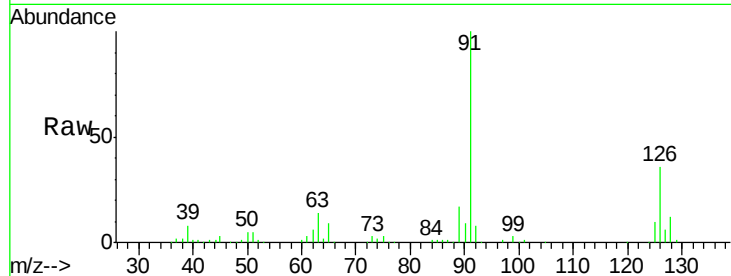
ClientSampleId :

Tot Ion: 91 Resp: 359743

Ion Ratio Lower Upper

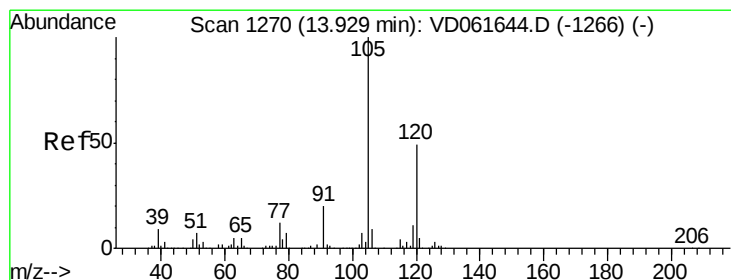
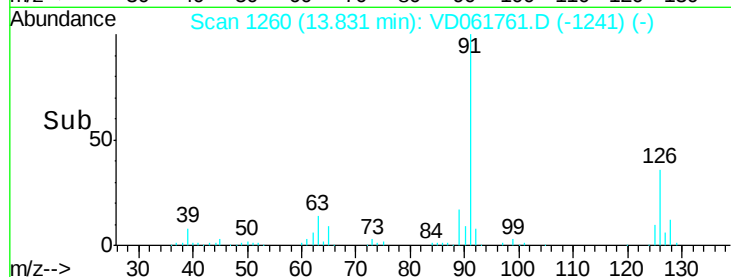
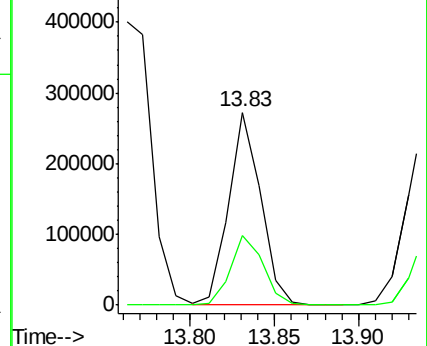
91 100

126 36.3 20.0 59.9



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 125.95 (125.65 to 126.65): V



#80

1,3,5-Trimethylbenzene

Concen: 23.381 ug/l

RT: 13.93 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VD061761.D

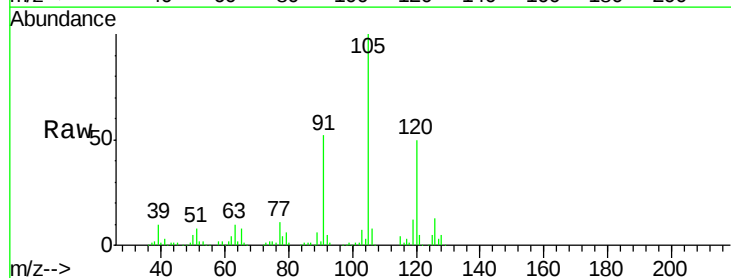
Acq: 12 Apr 2019 3:19

Tgt Ion:105 Resp: 414406

Ion Ratio Lower Upper

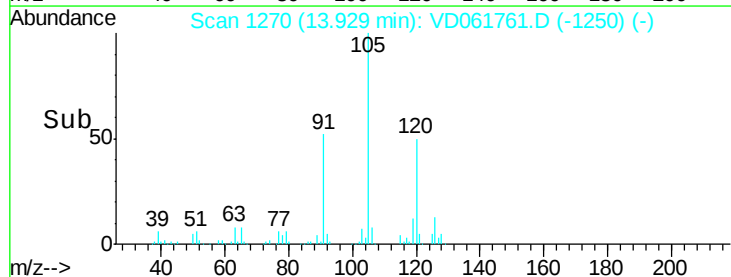
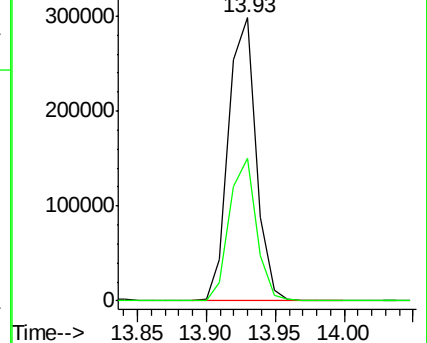
105 100

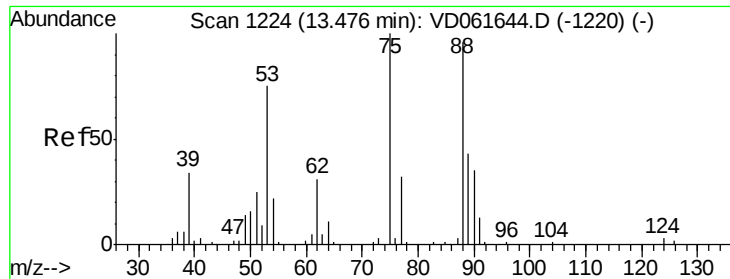
120 50.5 24.4 73.2



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V

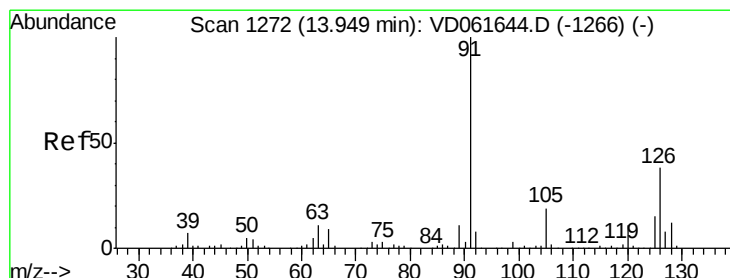
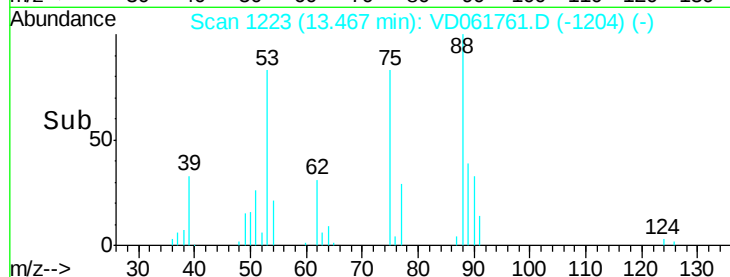
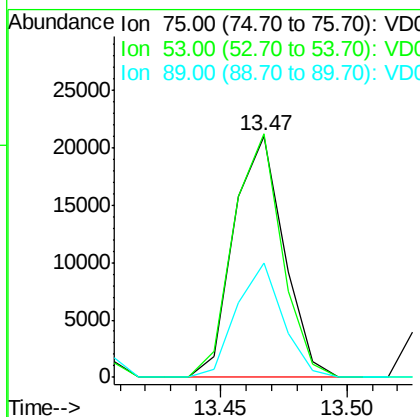
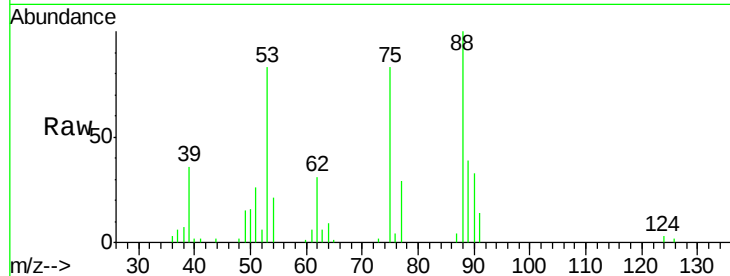




#81
trans-1,4-Dichloro-2-butene
Concen: 20.978 ug/l
RT: 13.47 min Scan# 1223
Delta R.T. -0.01 min
Lab File: VD061761.D
Acq: 12 Apr 2019 3:19

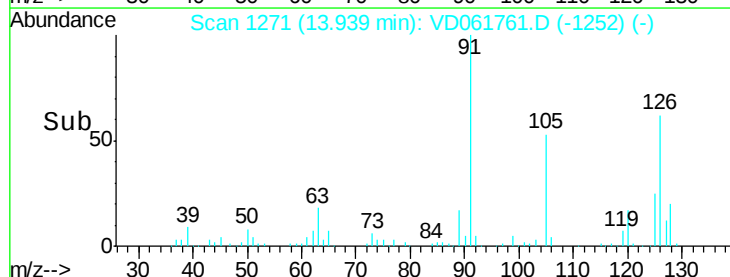
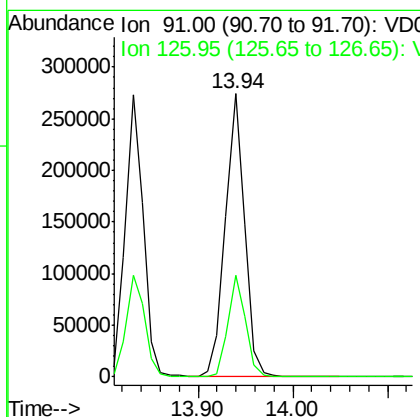
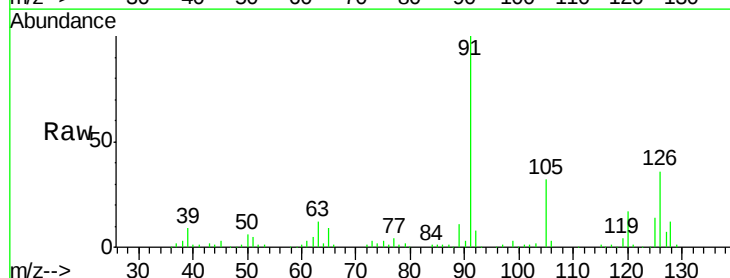
Instrument :
MSVOA_D
ClientSampled :

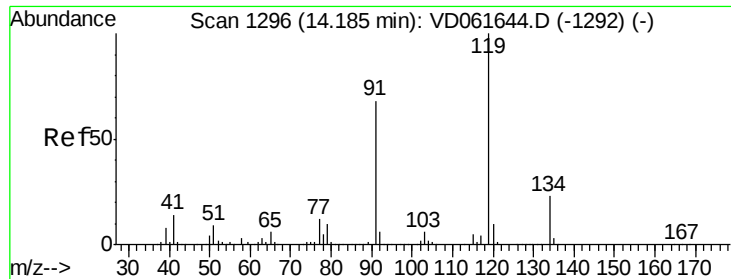
Tot Ion: 75 Resp: 29025
Ion Ratio Lower Upper
75 100
53 100.8 60.2 90.2#
89 47.5 34.2 51.2



#82
4-Chlorotoluene
Concen: 23.047 ug/l
RT: 13.94 min Scan# 1271
Delta R.T. -0.01 min
Lab File: VD061761.D
Acq: 12 Apr 2019 3:19

Tgt Ion: 91 Resp: 385764
Ion Ratio Lower Upper
91 100
126 36.0 19.0 57.0

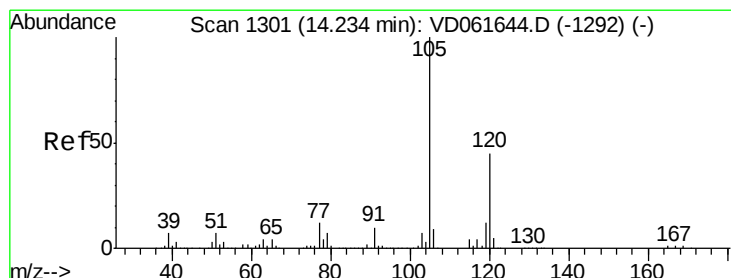
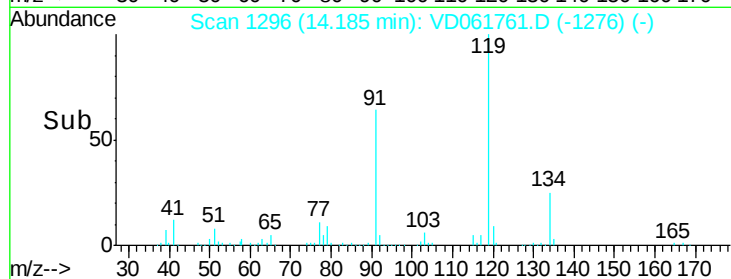
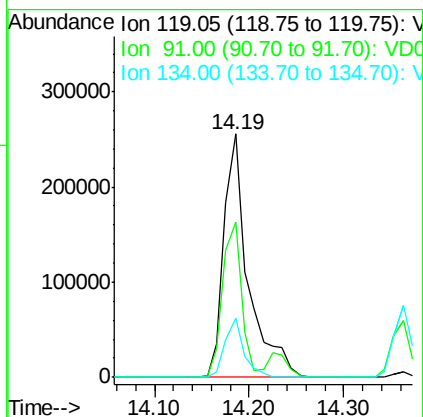
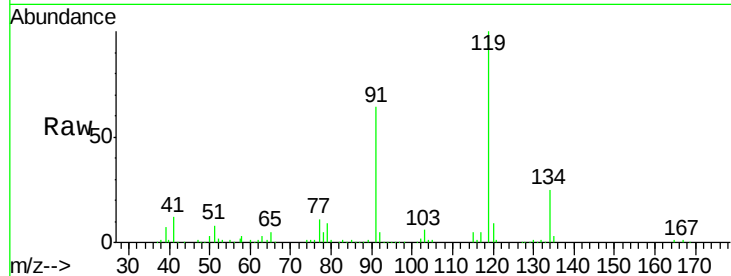




#83
 tert-Butylbenzene
 Concen: 21.355 ug/l
 RT: 14.19 min Scan# 1296
 Delta R.T. 0.00 min
 Lab File: VD061761.D
 Acq: 12 Apr 2019 3:19

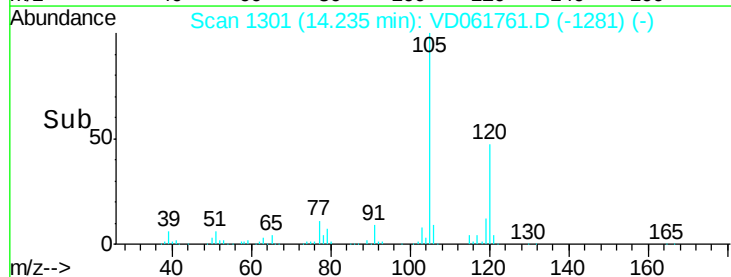
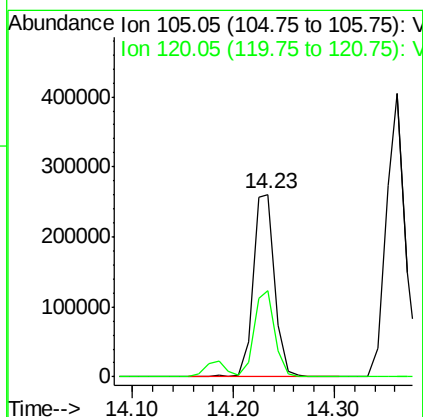
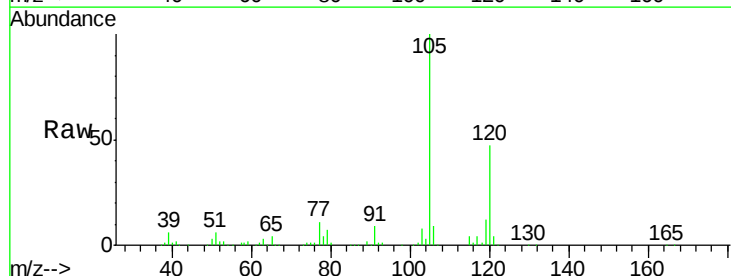
Instrument :
 MSVOA_D
 ClientSampleId :

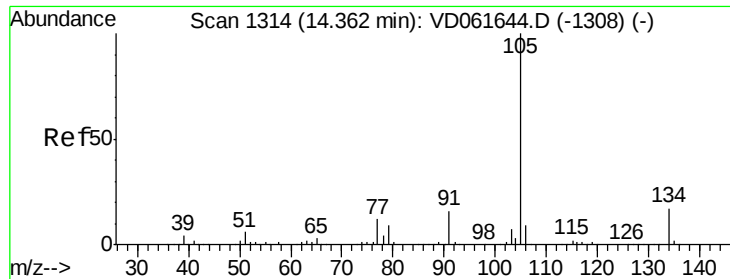
Tot Ion:119 Resp: 456358
 Ion Ratio Lower Upper
 119 100
 91 63.9 33.9 101.6
 134 24.6 11.6 34.8



#84
 1,2,4-Trimethylbenzene
 Concen: 21.741 ug/l
 RT: 14.23 min Scan# 1301
 Delta R.T. 0.00 min
 Lab File: VD061761.D
 Acq: 12 Apr 2019 3:19

Tgt Ion:105 Resp: 388898
 Ion Ratio Lower Upper
 105 100
 120 47.2 22.6 67.8

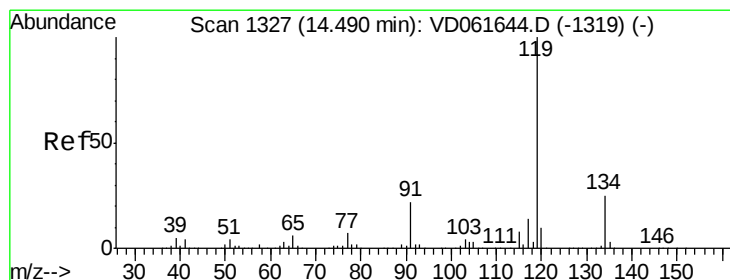
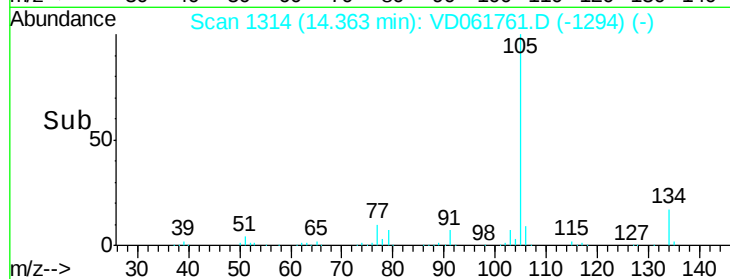
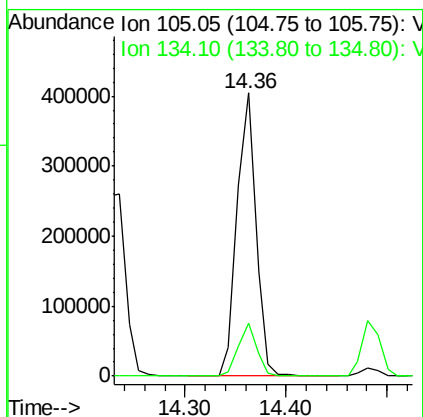
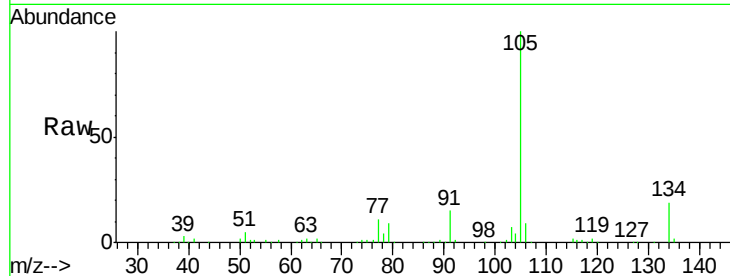




#85
 sec-Butylbenzene
 Concen: 22.833 ug/l
 RT: 14.36 min Scan# 1314
 Delta R.T. 0.00 min
 Lab File: VD061761.D
 Acq: 12 Apr 2019 3:19

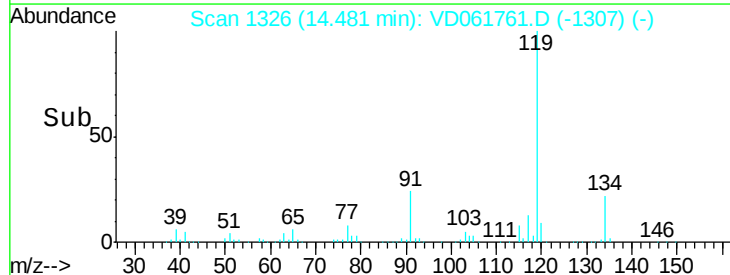
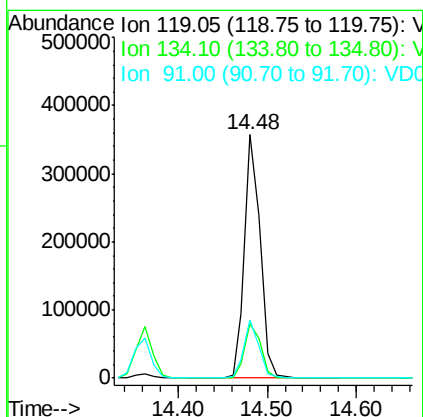
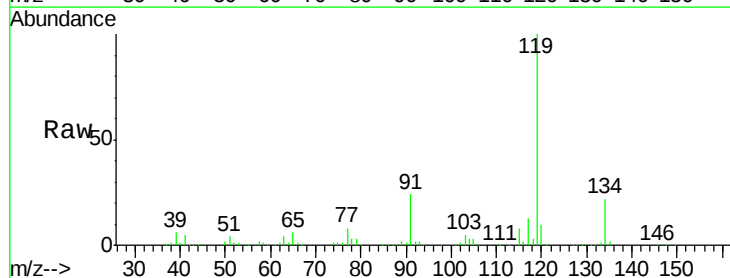
Instrument :
 MSVOA_D
 ClientSampled :

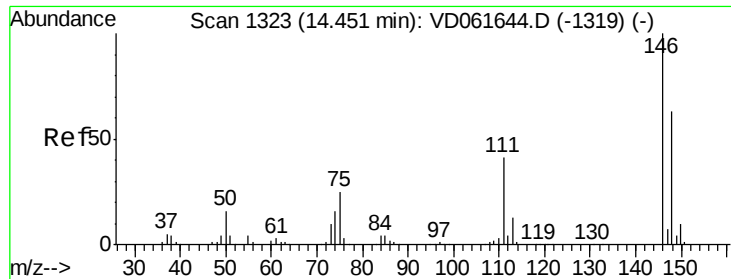
Tot Ion:105 Resp: 527171
 Ion Ratio Lower Upper
 105 100
 134 18.7 8.6 25.7



#86
 p-Isopropyltoluene
 Concen: 21.906 ug/l
 RT: 14.48 min Scan# 1326
 Delta R.T. -0.01 min
 Lab File: VD061761.D
 Acq: 12 Apr 2019 3:19

Tgt Ion:119 Resp: 438754
 Ion Ratio Lower Upper
 119 100
 134 22.2 12.5 37.5
 91 23.8 11.0 33.0

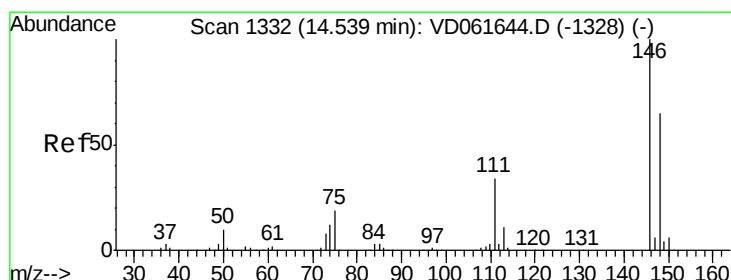
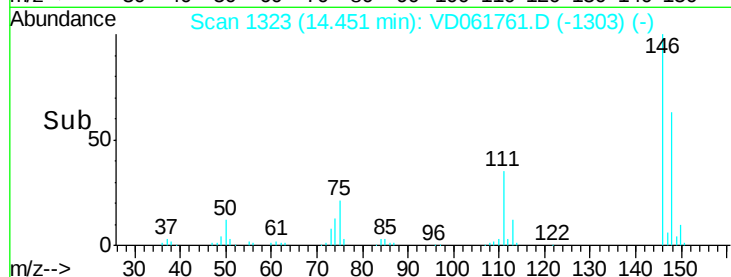
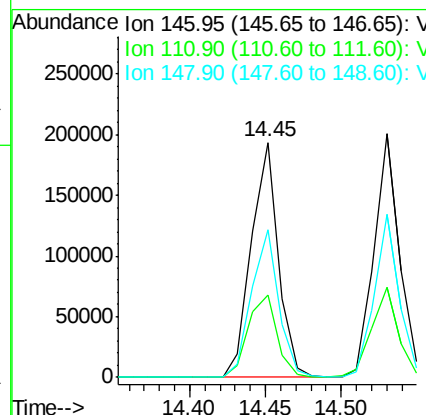
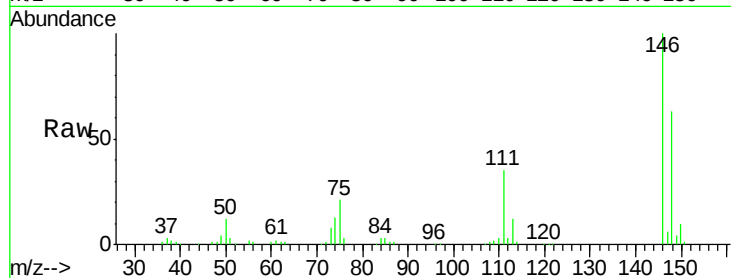




#87
 1,3-Dichlorobenzene
 Concen: 21.616 ug/l
 RT: 14.45 min Scan# 1323
 Delta R.T. 0.00 min
 Lab File: VD061761.D
 Acq: 12 Apr 2019 3:19

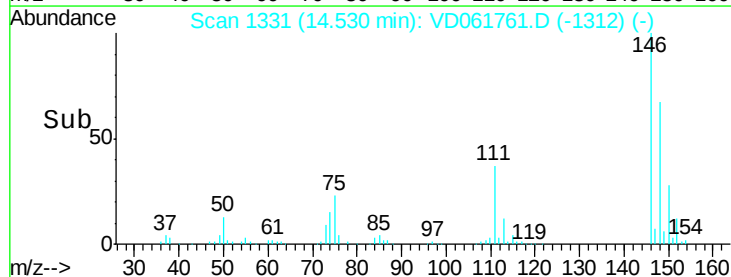
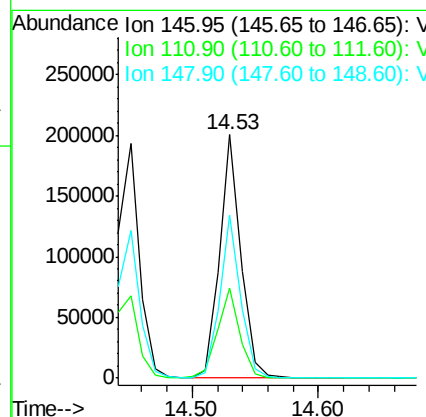
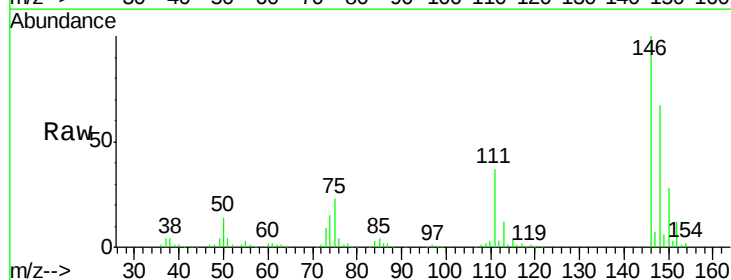
Instrument :
 MSVOA_D
 ClientSampleId :

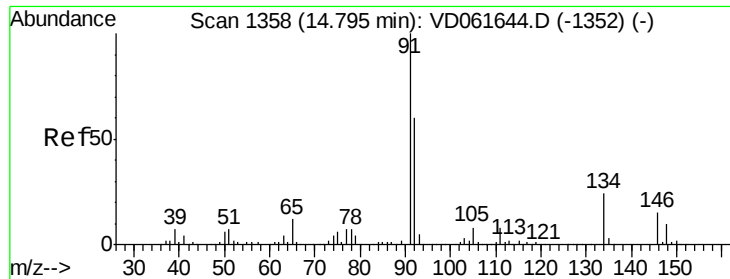
Tot Ion:146 Resp: 241130
 Ion Ratio Lower Upper
 146 100
 111 35.2 20.3 61.0
 148 62.9 31.7 95.1



#88
 1,4-Dichlorobenzene
 Concen: 21.023 ug/l
 RT: 14.53 min Scan# 1331
 Delta R.T. -0.01 min
 Lab File: VD061761.D
 Acq: 12 Apr 2019 3:19

Tgt Ion:146 Resp: 236626
 Ion Ratio Lower Upper
 146 100
 111 37.1 17.1 51.2
 148 66.8 32.6 97.7





#89

n-Butylbenzene

Concen: 22.303 ug/l

RT: 14.80 min Scan# 1358

Delta R.T. 0.00 min

Lab File: VD061761.D

Acq: 12 Apr 2019 3:19

Instrument :

MSVOA_D

ClientSampled :

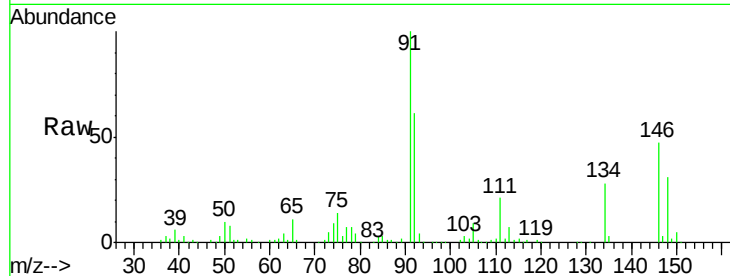
Tot Ion: 91 Resp: 388271

Ion Ratio Lower Upper

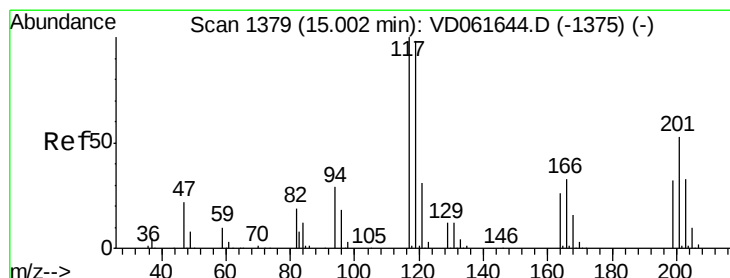
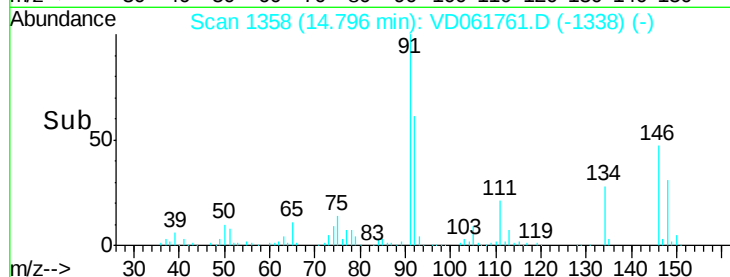
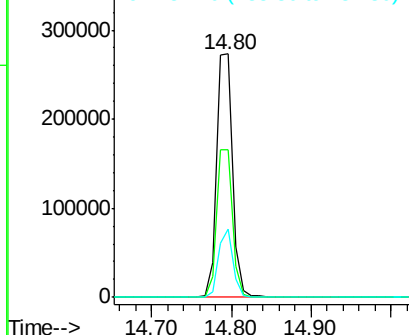
91 100

92 60.5 29.8 89.4

134 28.2 12.2 36.4



Abundance Ion 91.00 (90.70 to 91.70): VDC
Ion 92.00 (91.70 to 92.70): VDC
Ion 134.10 (133.80 to 134.80): V



#90

Hexachloroethane

Concen: 22.883 ug/l

RT: 15.00 min Scan# 1379

Delta R.T. 0.00 min

Lab File: VD061761.D

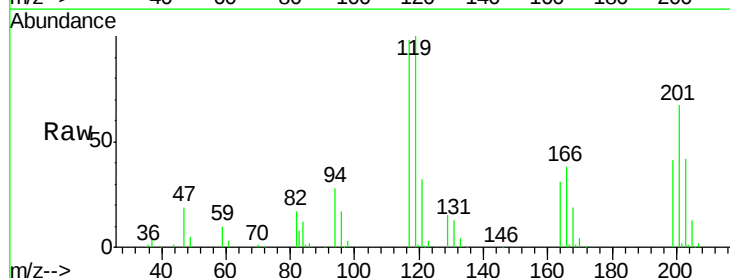
Acq: 12 Apr 2019 3:19

Tgt Ion: 117 Resp: 124362

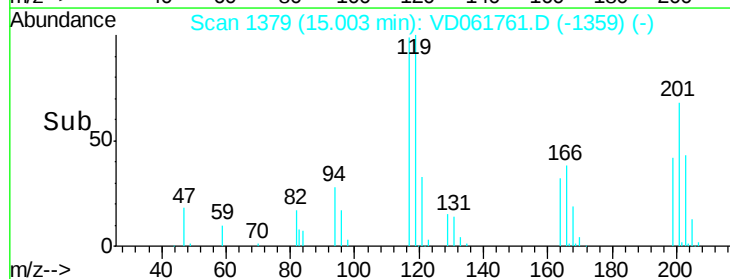
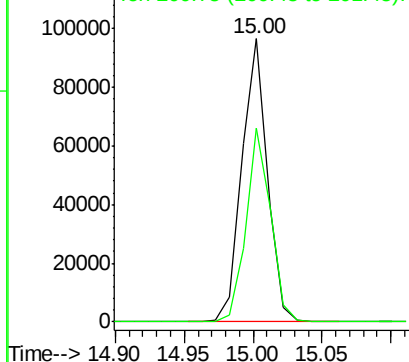
Ion Ratio Lower Upper

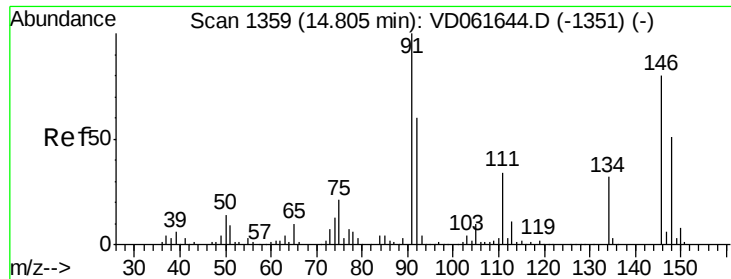
117 100

201 68.3 26.3 78.8



Abundance Ion 116.85 (116.55 to 117.55): V
Ion 200.75 (200.45 to 201.45): V

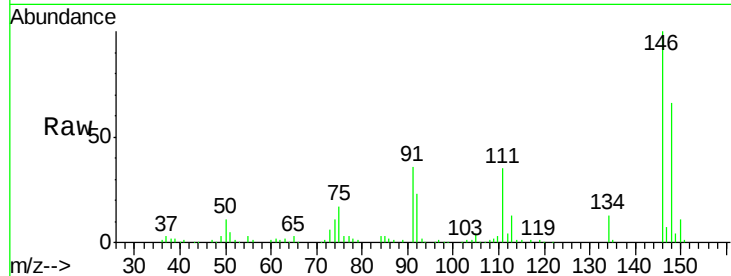




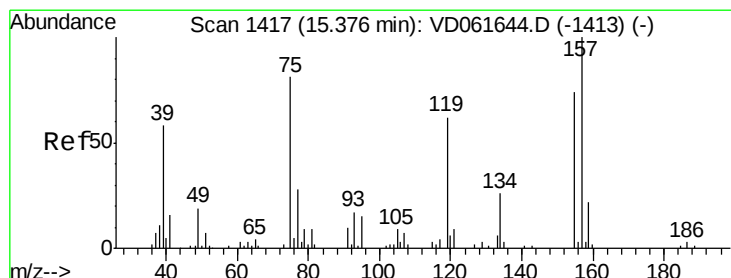
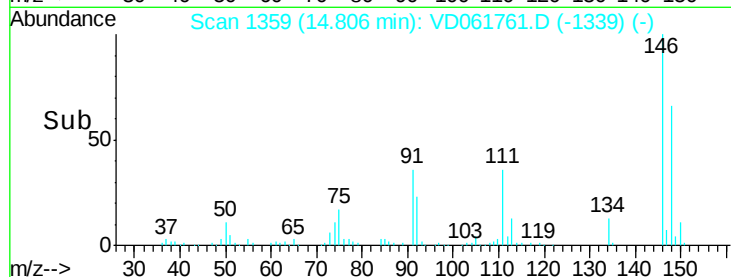
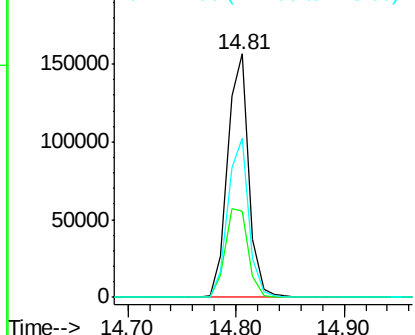
#91
 1,2-Dichlorobenzene
 Concen: 23.126 ug/l
 RT: 14.81 min Scan# 1359
 Delta R.T. 0.00 min
 Lab File: VD061761.D
 Acq: 12 Apr 2019 3:19

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:146 Resp: 212611
 Ion Ratio Lower Upper
 146 100
 111 35.5 21.1 63.3
 148 65.6 31.7 95.1

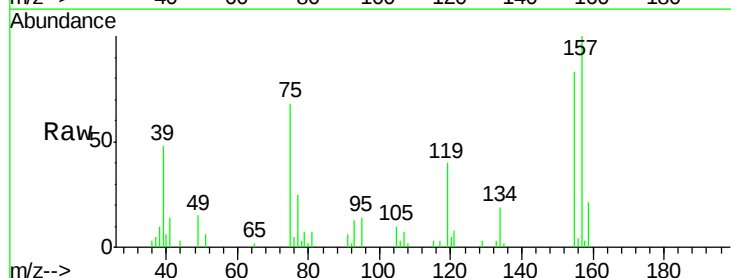


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

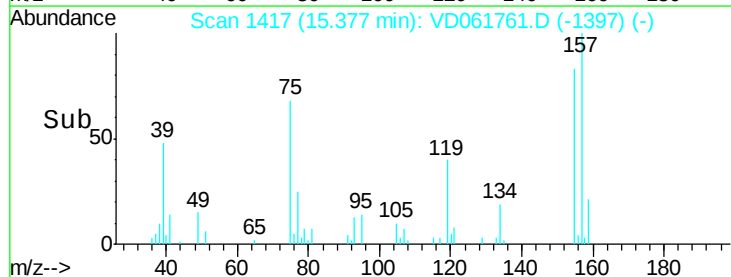
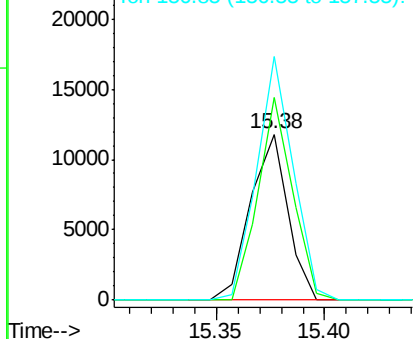


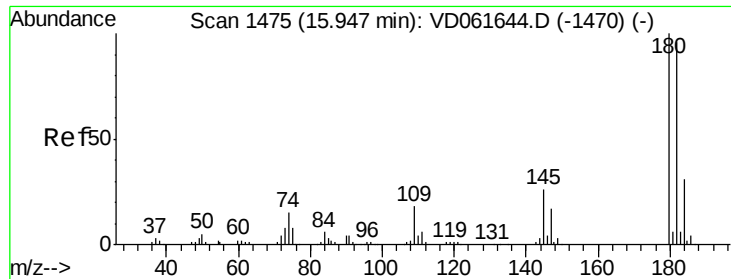
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 25.245 ug/l
 RT: 15.38 min Scan# 1417
 Delta R.T. 0.00 min
 Lab File: VD061761.D
 Acq: 12 Apr 2019 3:19

Tgt Ion: 75 Resp: 14066
 Ion Ratio Lower Upper
 75 100
 155 122.1 45.6 136.7
 157 146.7 61.4 184.2



Abundance Ion 75.00 (74.70 to 75.70): V
 Ion 154.90 (154.60 to 155.60): V
 Ion 156.85 (156.55 to 157.55): V

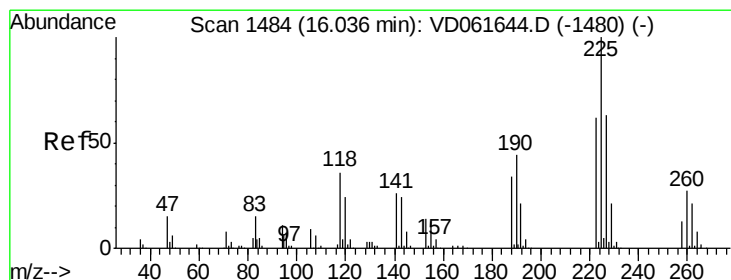
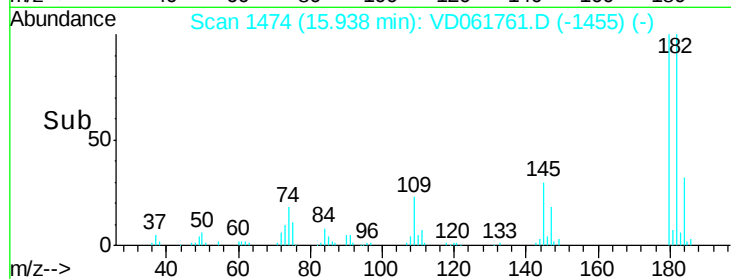
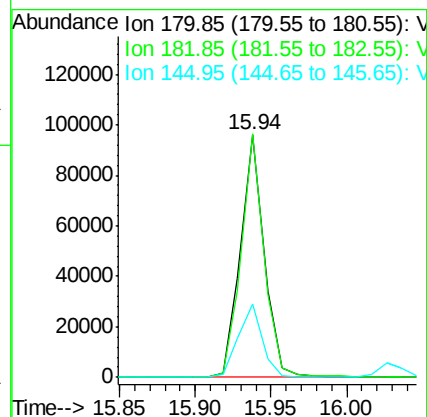
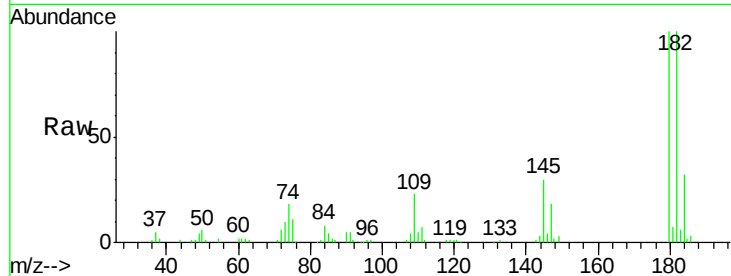




#93
 1,2,4-Trichlorobenzene
 Concen: 22.317 ug/l
 RT: 15.94 min Scan# 1474
 Delta R.T. -0.01 min
 Lab File: VD061761.D
 Acq: 12 Apr 2019 3:19

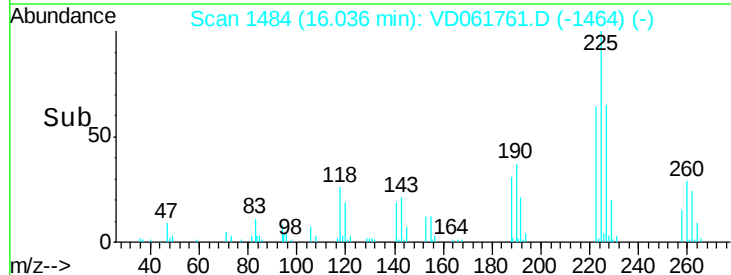
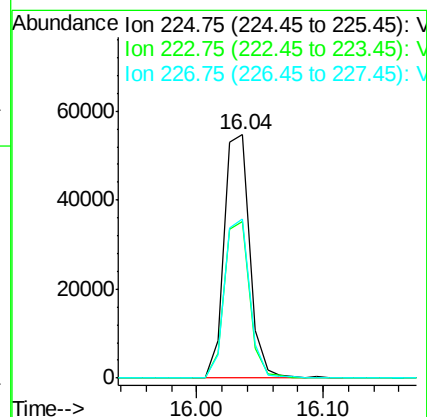
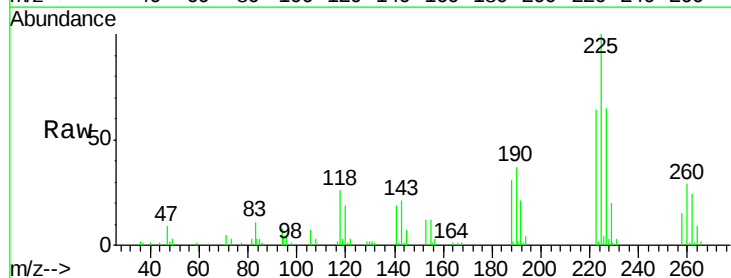
Instrument :
 MSVOA_D
 ClientSampleId :

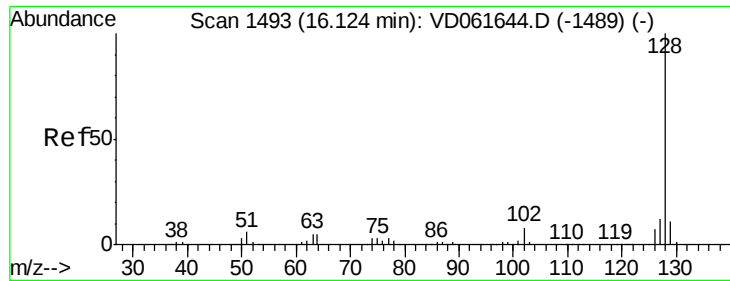
Tot Ion:180 Resp: 104533
 Ion Ratio Lower Upper
 180 100
 182 100.2 47.8 143.3
 145 30.1 13.3 39.8



#94
 Hexachlorobutadiene
 Concen: 21.241 ug/l
 RT: 16.04 min Scan# 1484
 Delta R.T. 0.00 min
 Lab File: VD061761.D
 Acq: 12 Apr 2019 3:19

Tgt Ion:225 Resp: 76823
 Ion Ratio Lower Upper
 225 100
 223 64.3 30.8 92.3
 227 65.3 31.5 94.5





#95

Naphthalene

Concen: 25.646 ug/l

RT: 16.11 min Scan# 1492

Delta R.T. -0.01 min

Lab File: VD061761.D

Acq: 12 Apr 2019 3:19

Instrument :

MSVOA_D

ClientSampleId :

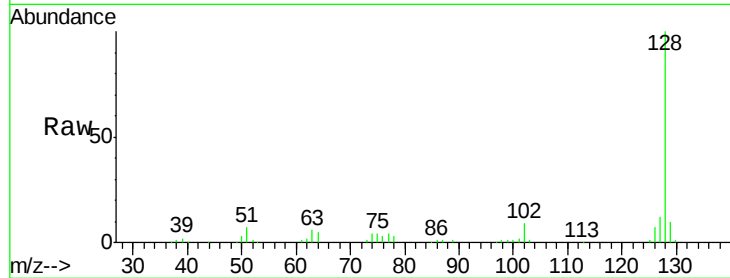
Tot Ion:128 Resp: 190072

Ion Ratio Lower Upper

128 100

127 11.8 9.4 14.2

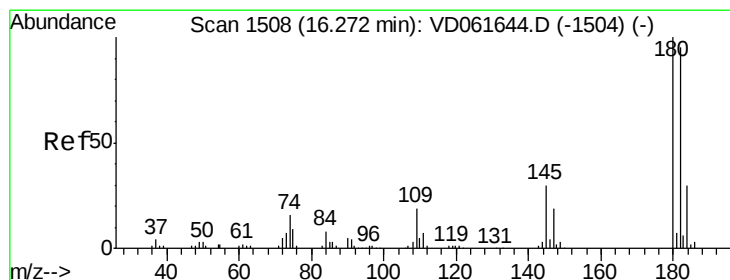
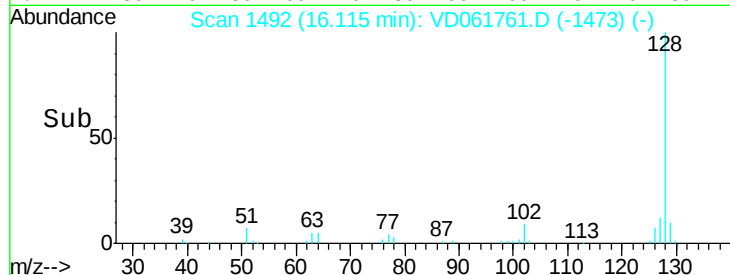
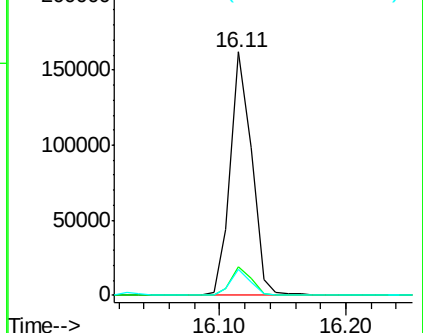
129 10.5 8.8 13.2



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 27.758 ug/l

RT: 16.26 min Scan# 1507

Delta R.T. -0.01 min

Lab File: VD061761.D

Acq: 12 Apr 2019 3:19

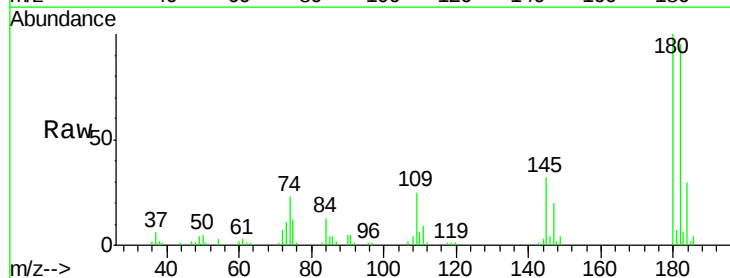
Tgt Ion:180 Resp: 64888

Ion Ratio Lower Upper

180 100

182 94.7 47.3 142.0

145 32.5 15.1 45.3



Abundance Ion 179.85 (179.55 to 180.55): V

Ion 181.85 (181.55 to 182.55): V

Ion 144.95 (144.65 to 145.65): V

