

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD041119\
 Data File : VD061761.D
 Acq On : 12 Apr 2019 3:19
 Operator : VA/AP
 Sample : VD0411SBSD02
 Misc : 5.00µl/5ml/MSVOA D/SOIL
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0411SBSD02

Quant Time: Apr 12 03:44:18 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

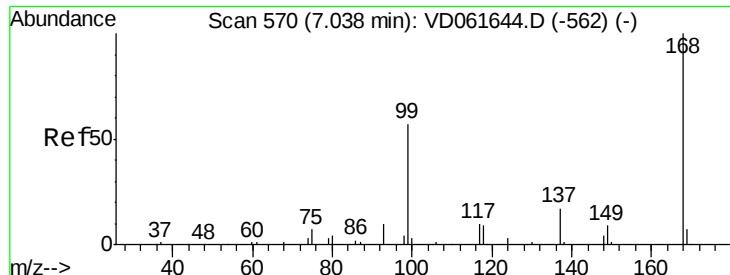
Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD041119\
Data File : VD061761.D
Acq On : 12 Apr 2019 3:19
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Quant Title : SW846 8260
QLast Update : Mon Apr 08 10:04:03 2019
Response via : Initial Calibration

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 :

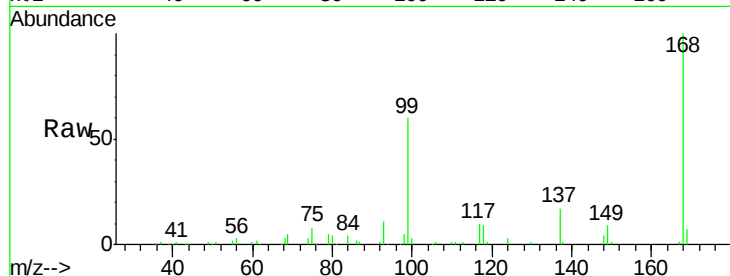
VD0411SBSD02

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

200000

150000

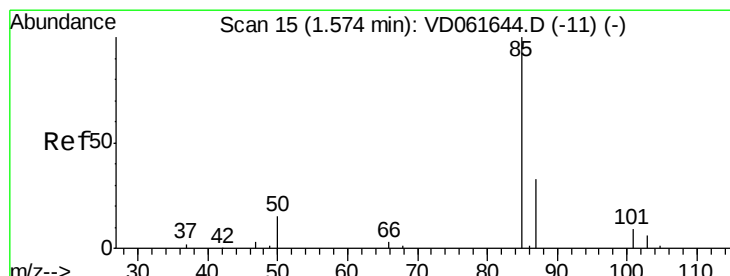
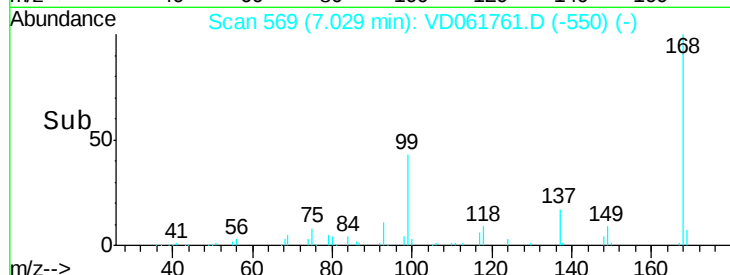
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50000

0

6.90 7.00 7.10 7.20

Time-->



#2

Dichlorodifluoromethane

Concen: 17.780 ug/l

RT: 1.57 min Scan# 15

Delta R.T. 0.00 min

Lab File: VD061761.D

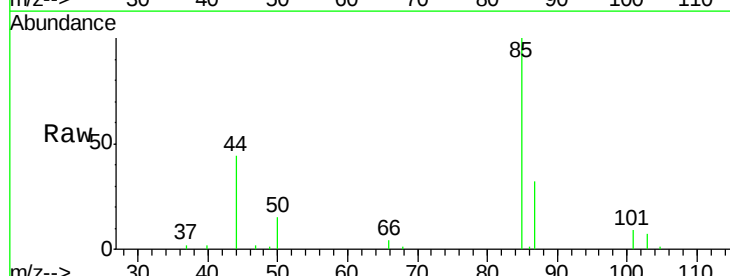
Acq: 12 Apr 2019 3:19

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

30000

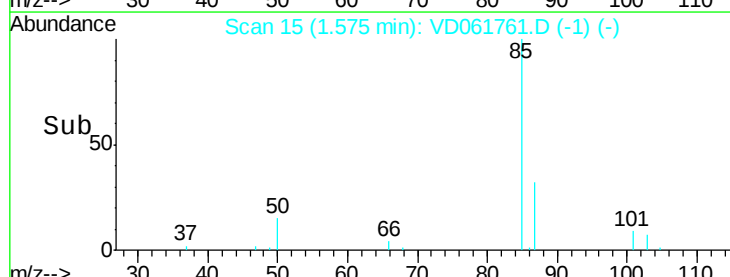
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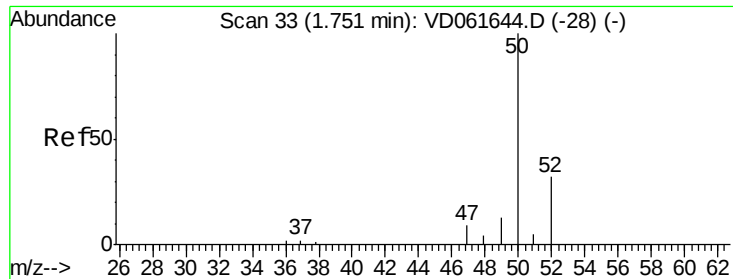
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1.50 1.60 1.70 1.80

Time-->

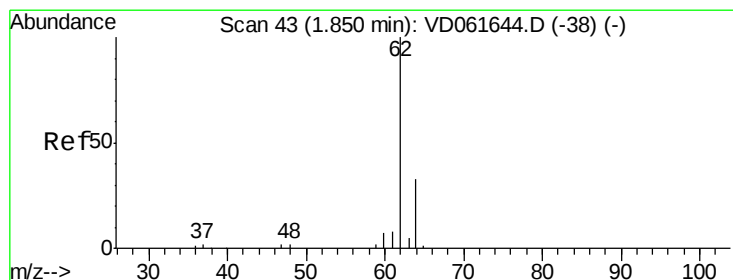
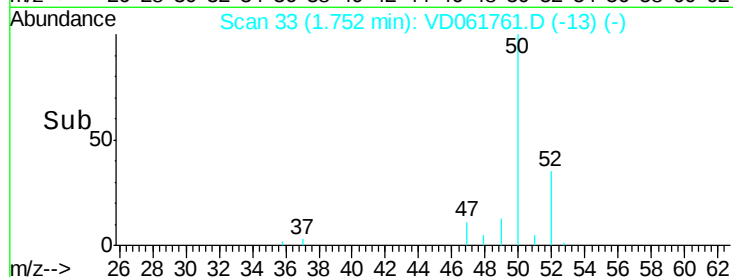
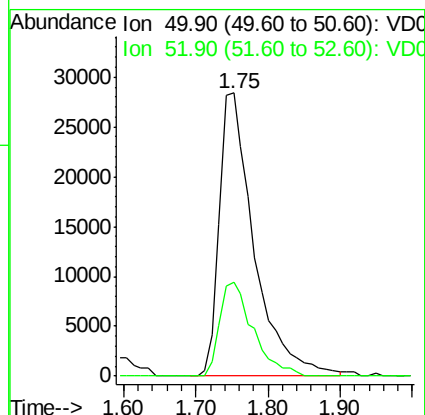
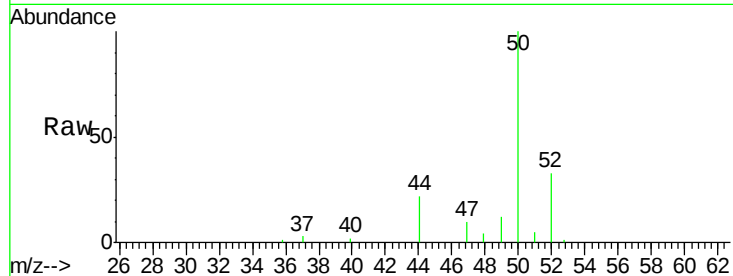




#3
Chloromethane
Concen: 20.997 ug/l
RT: 1.75 min Scan# 33
Delta R.T. 0.00 min
Lab File: VD061761.D
Acq: 12 Apr 2019 3:19

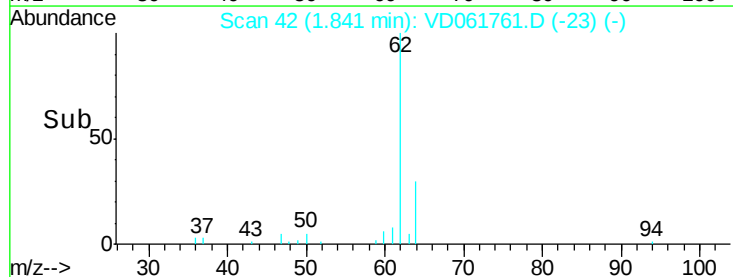
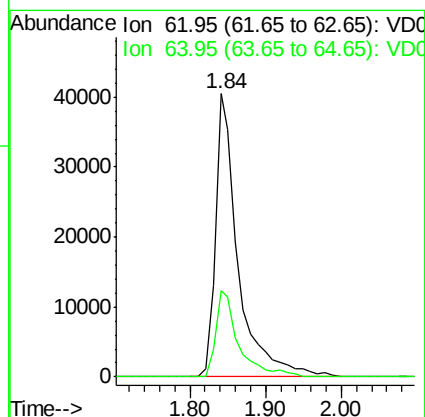
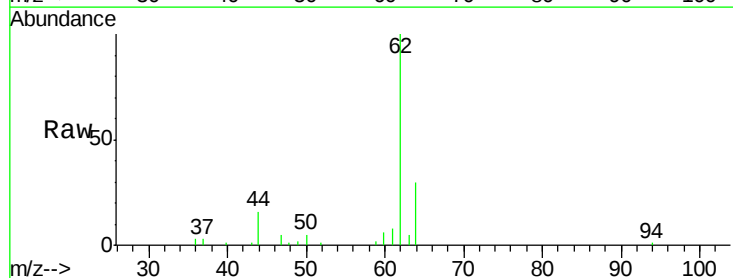
Instrument :
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ClientSampleId :
VD0411SBSD02

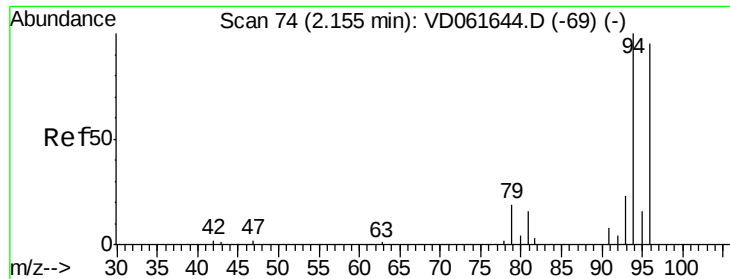
Tot Ion: 50 Resp: 94514
Ion Ratio Lower Upper
50 100
52 33.0 25.1 37.7



#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

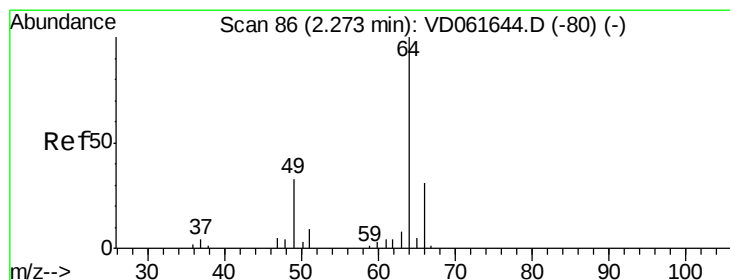
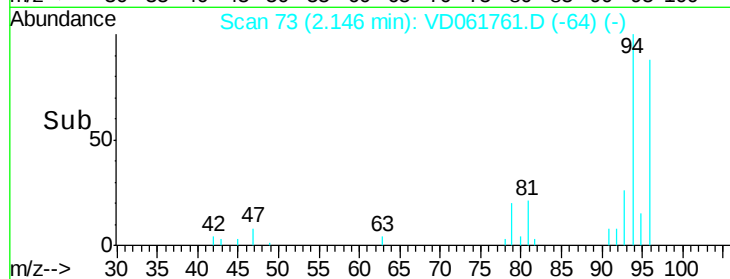
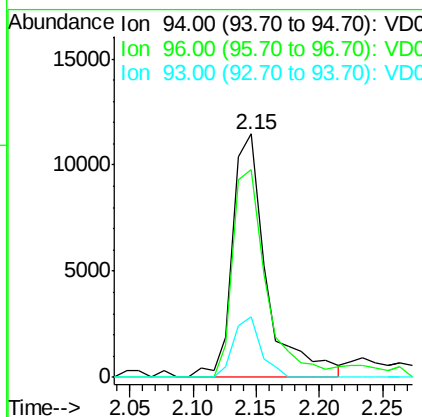
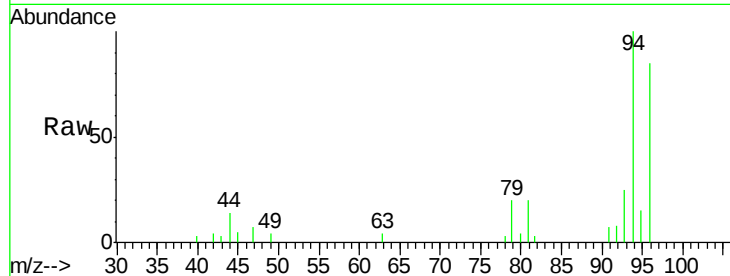




#5
Bromomethane
Concen: 22.055 ug/l
RT: 2.15 min Scan# 73
Delta R.T. -0.01 min
Lab File: VD061761.D
Acq: 12 Apr 2019 3:19

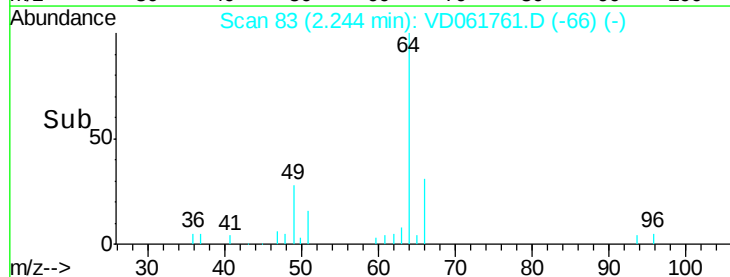
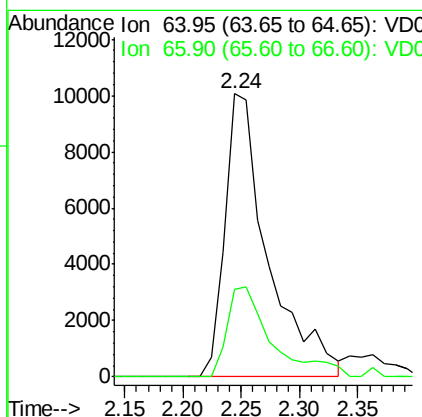
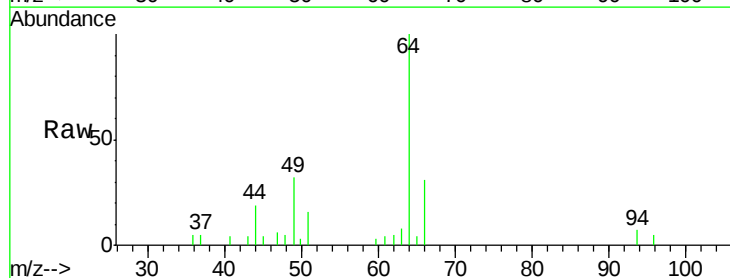
Instrument :
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ClientSampleId :
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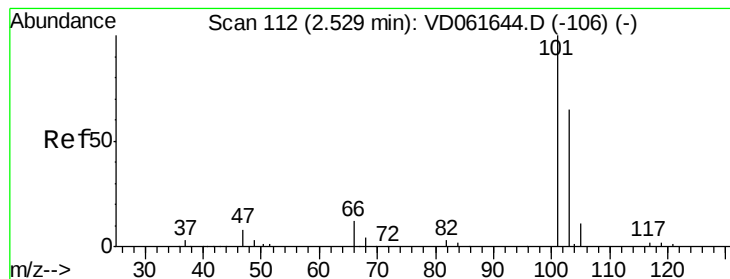
Tot Ion: 94 Resp: 21472
Ion Ratio Lower Upper
94 100
96 85.4 75.8 113.8
93 24.9 18.6 28.0



#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



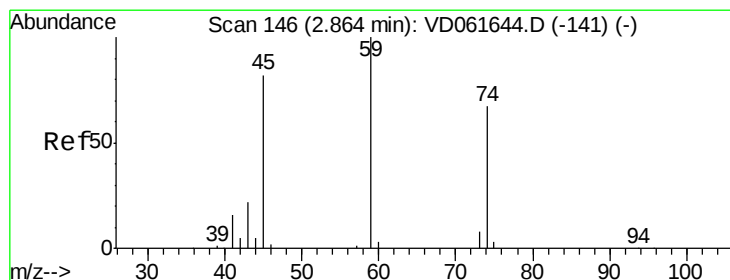
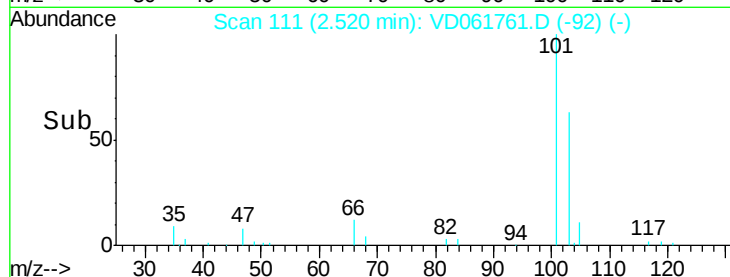
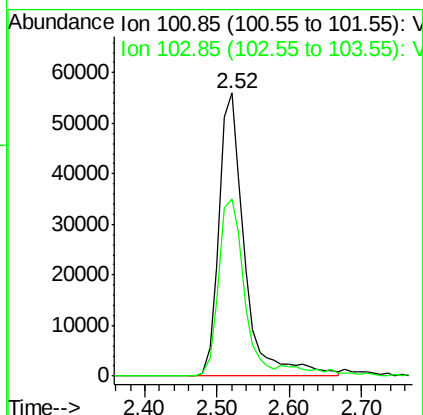
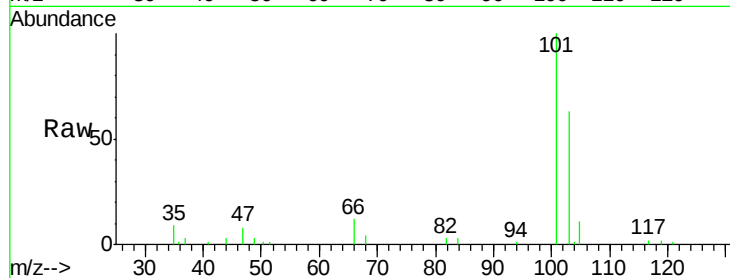


#7

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
 ClientSampleId :
 VD0411SBSD02

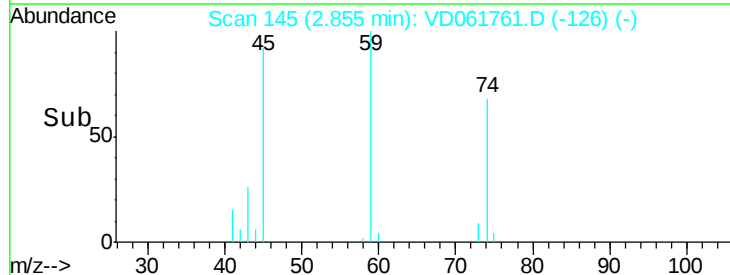
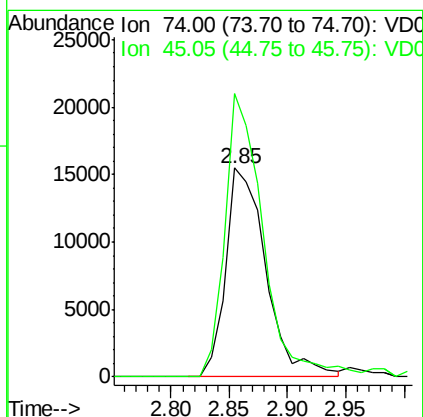
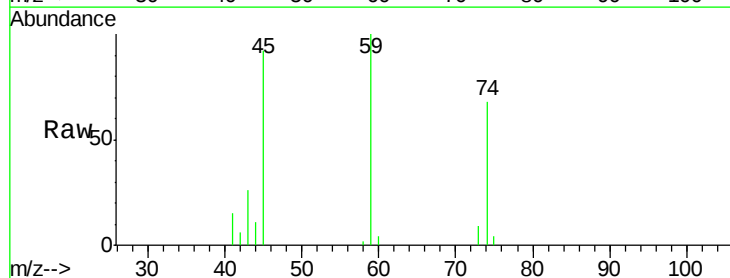
Tot Ion: 101 Resp: 137106
 Ion Ratio Lower Upper
 101 100
 103 62.6 52.0 78.0

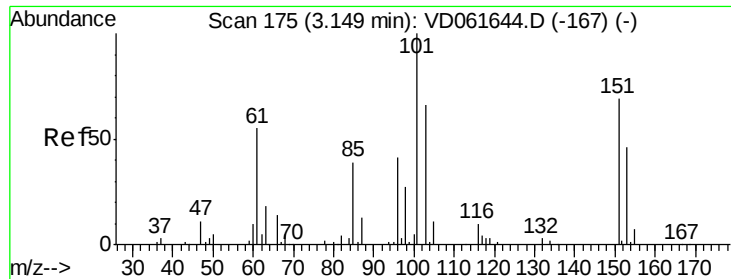


#8

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

ClientSampleId :

VD0411SBSD02

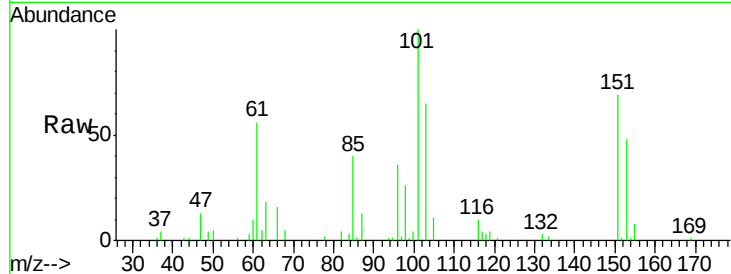
Tot Ion:101 Resp: 128079

Ion Ratio Lower Upper

101 100

85 39.8 31.0 46.6

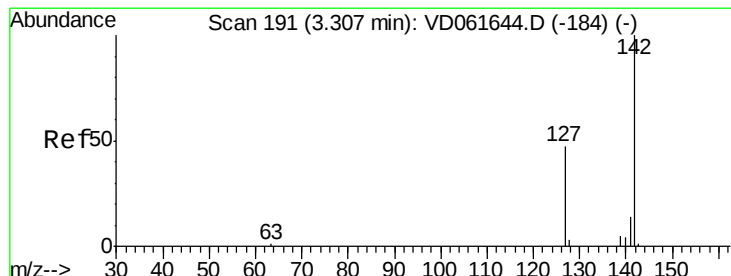
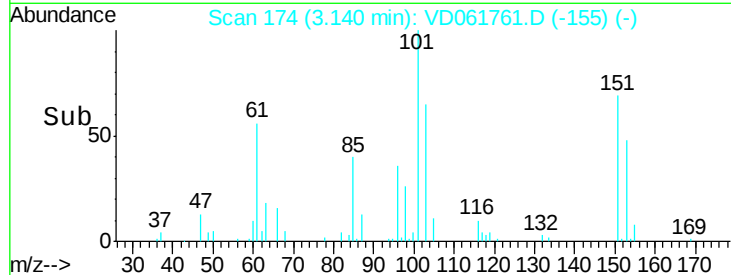
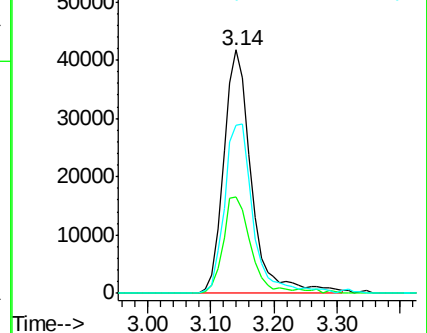
151 68.8 55.3 82.9



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

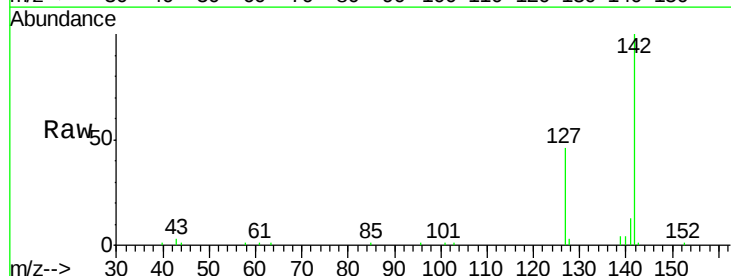
Tgt Ion:142 Resp: 181953

Ion Ratio Lower Upper

142 100

127 46.3 37.2 55.8

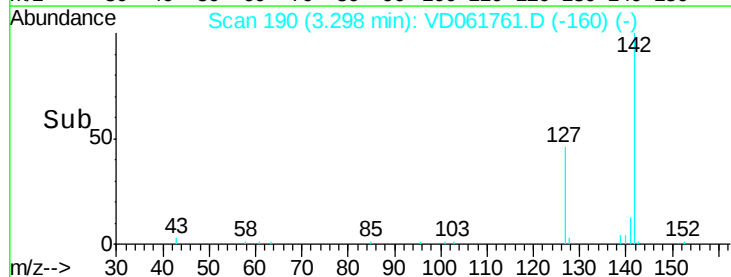
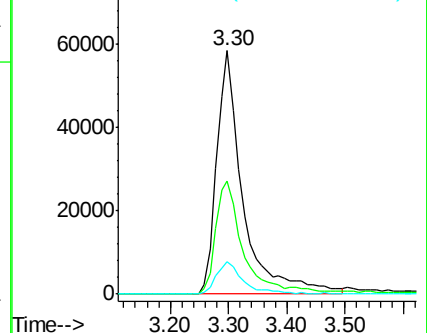
141 13.5 10.8 16.2

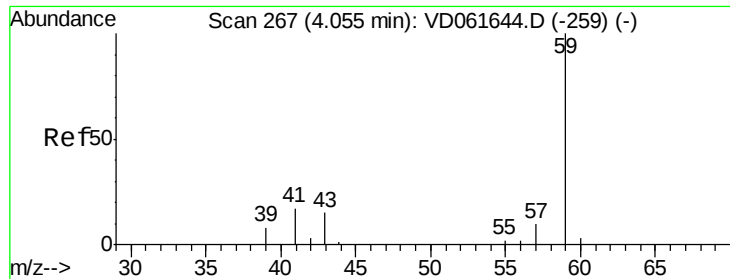


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V

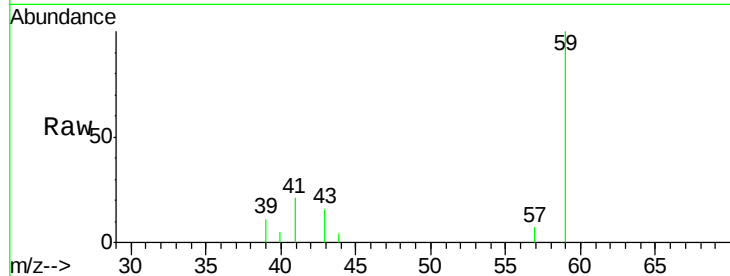




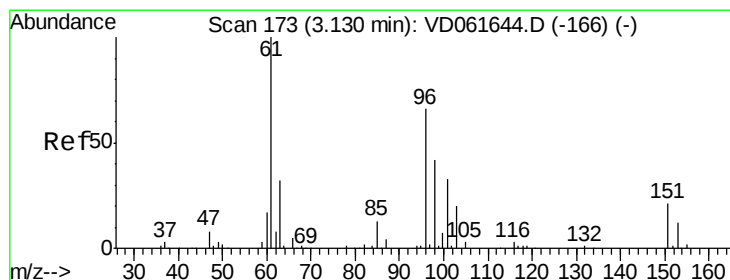
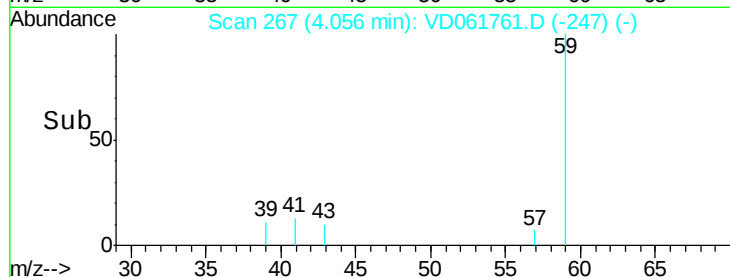
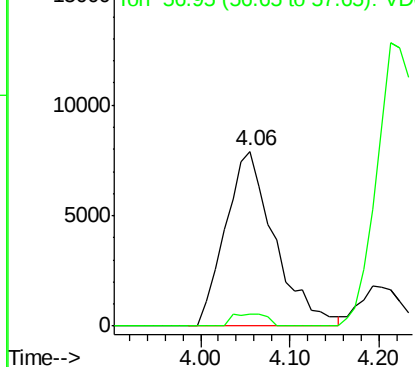
#11
Tert butyl alcohol
Concen: 116.045 ug/l
RT: 4.06 min Scan# 267
Delta R.T. 0.00 min
Lab File: VD061761.D
Acq: 12 Apr 2019 3:19

Instrument :
MSVOA_D
ClientSampleId :
VD0411SBSD02

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

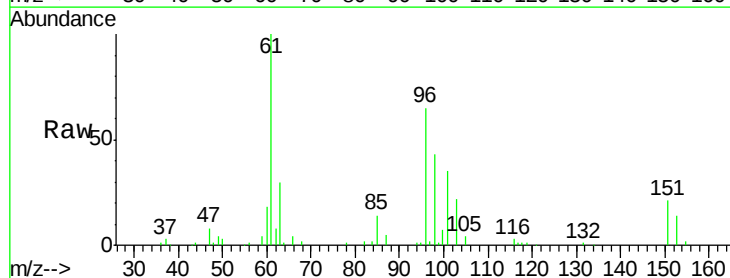


Abundance Ion 58.95 (58.65 to 59.65): VDC
Ion 56.95 (56.65 to 57.65): VDC

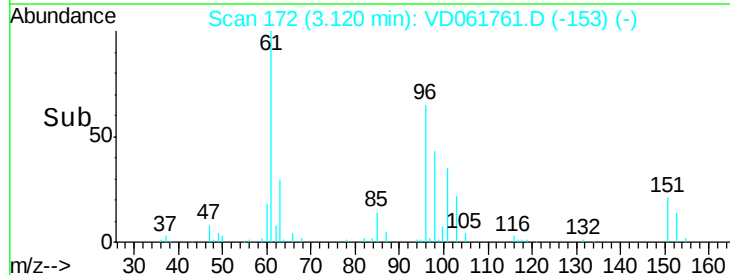
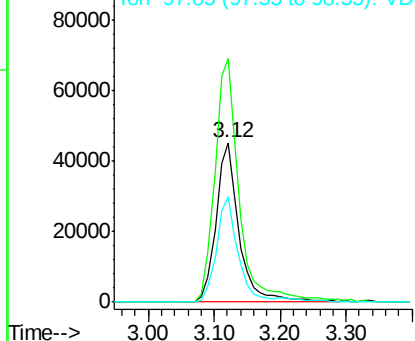


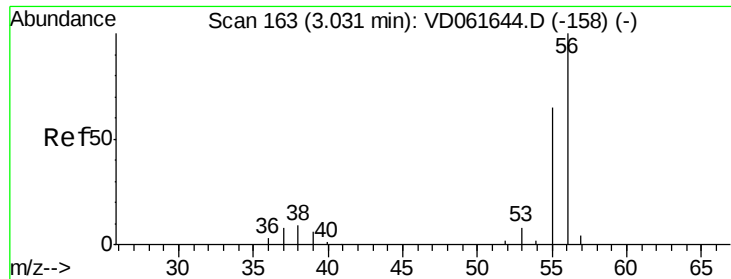
#12
1,1-Dichloroethene
Concen: 20.267 ug/l
RT: 3.12 min Scan# 172
Delta R.T. -0.01 min
Lab File: VD061761.D
Acq: 12 Apr 2019 3:19

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

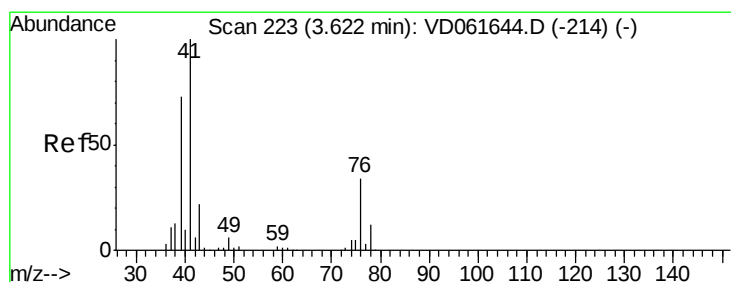
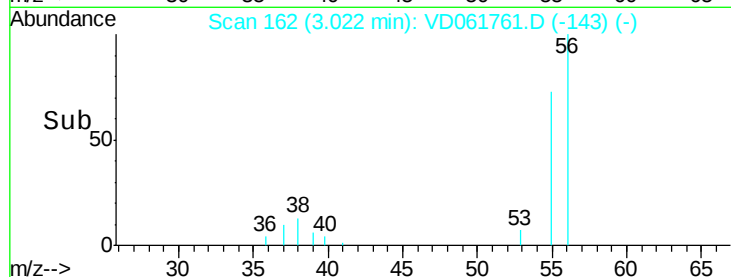
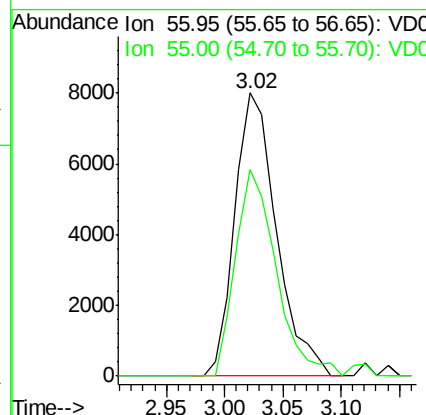
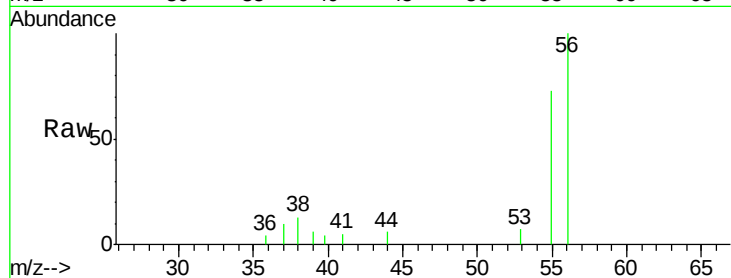




#13
Acrolein
Concen: 62.225 ug/l
RT: 3.02 min Scan# 162
Delta R.T. -0.01 min
Lab File: VD061761.D
Acq: 12 Apr 2019 3:19

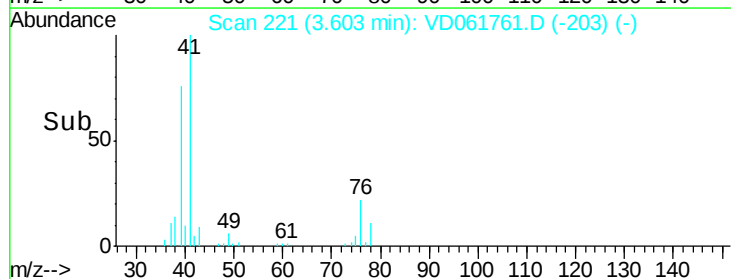
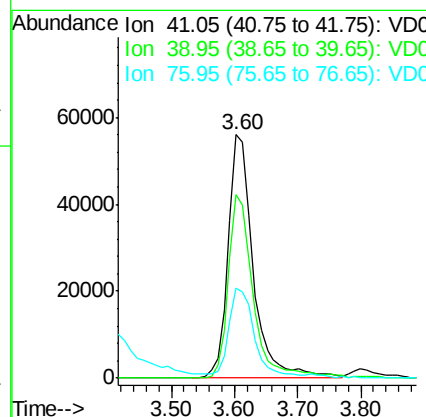
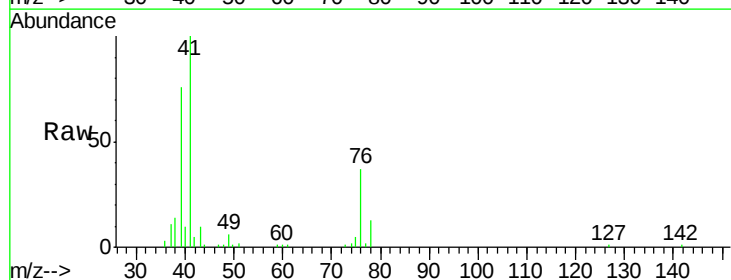
Instrument :
MSVOA_D
ClientSampleId :
VD0411SBSD02

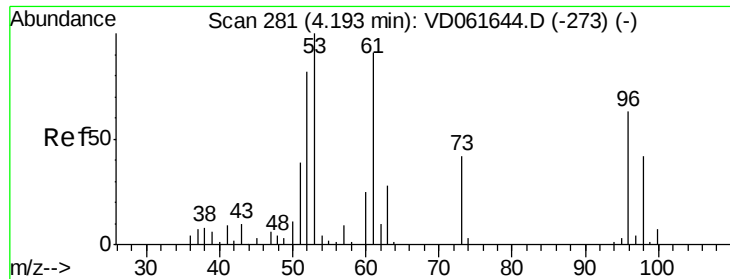
Tot Ion: 56 Resp: 19899
Ion Ratio Lower Upper
56 100
55 73.0 51.8 77.6



#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





#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 :

VD0411SBS02

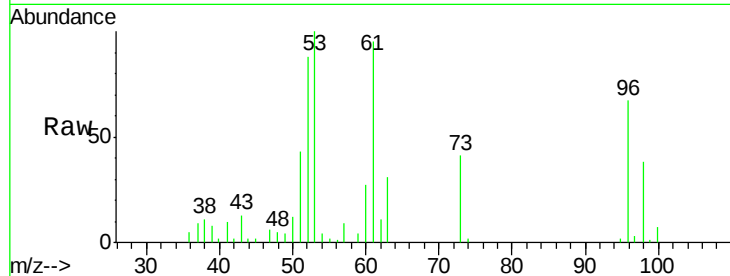
Tot Ion: 53 Resp: 100157

Ion Ratio Lower Upper

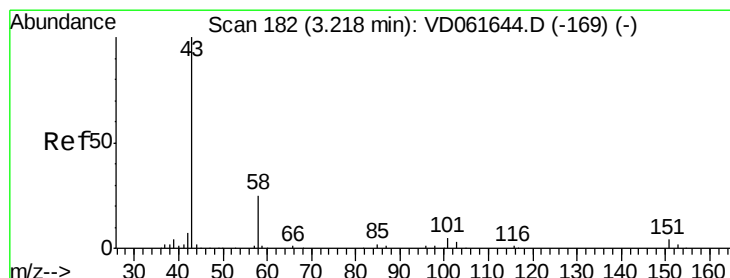
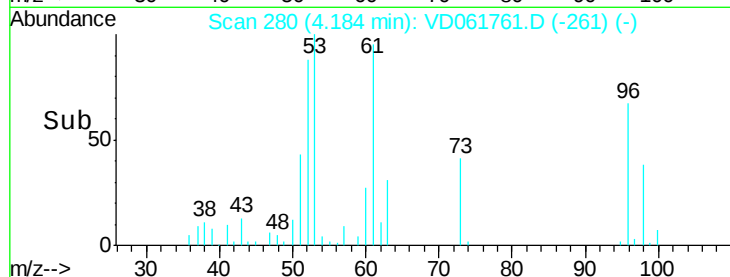
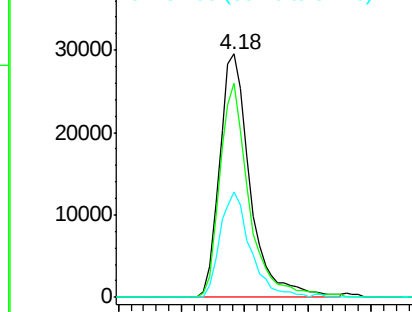
53 100

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

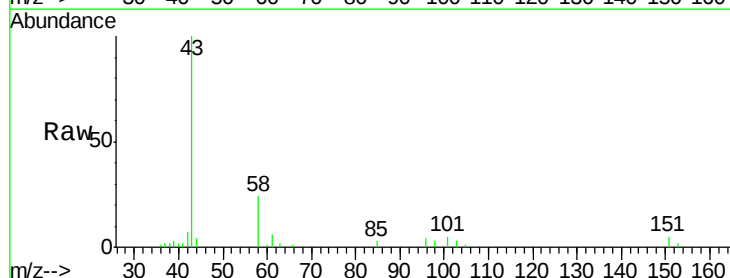
Acq: 12 Apr 2019 3:19

Tgt Ion: 43 Resp: 110147

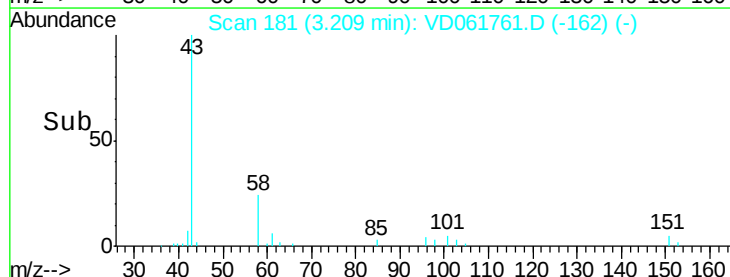
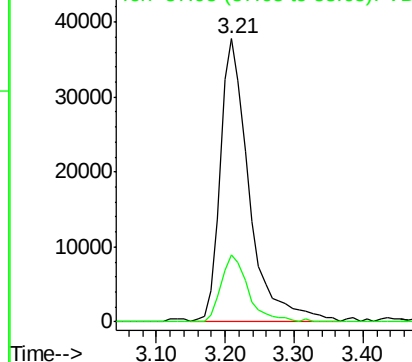
Ion Ratio Lower Upper

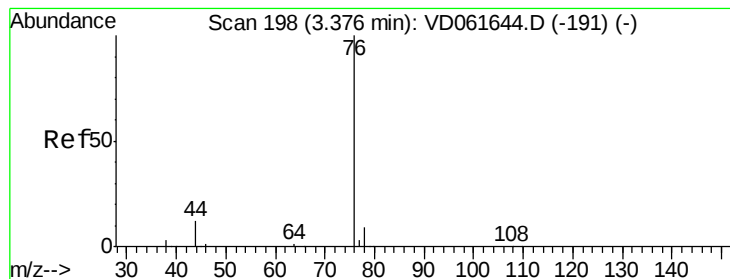
43 100

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 :

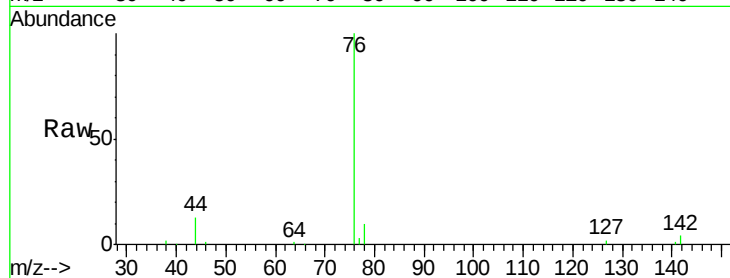
VD0411SBSD02

Tot Ion: 76 Resp: 324515

Ion Ratio Lower Upper

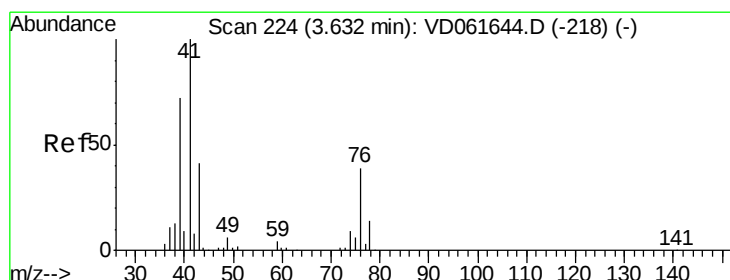
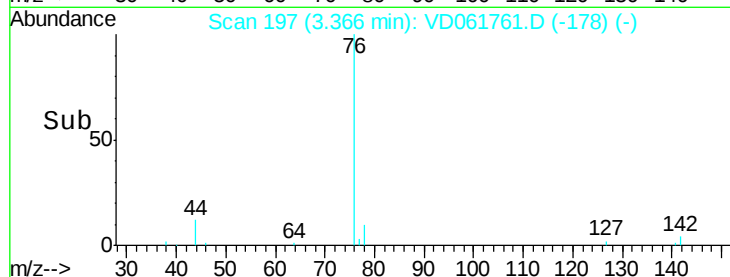
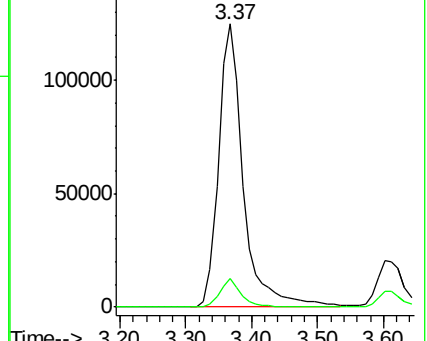
76 100

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

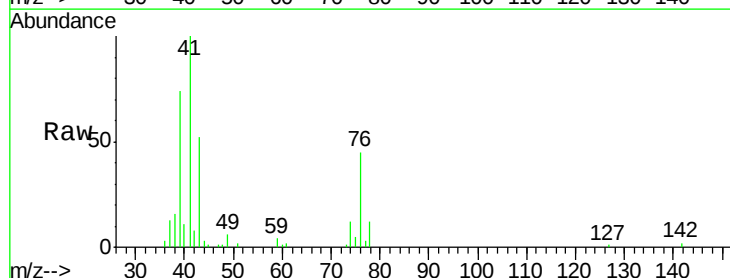
Acq: 12 Apr 2019 3:19

Tgt Ion: 43 Resp: 56199

Ion Ratio Lower Upper

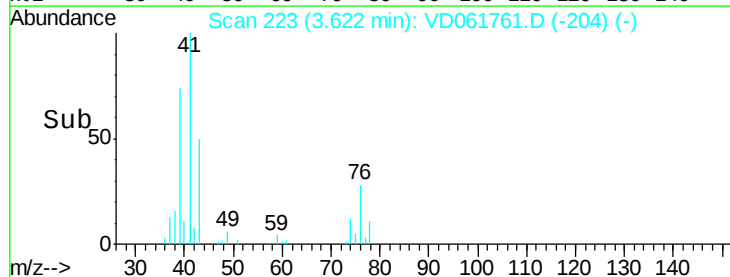
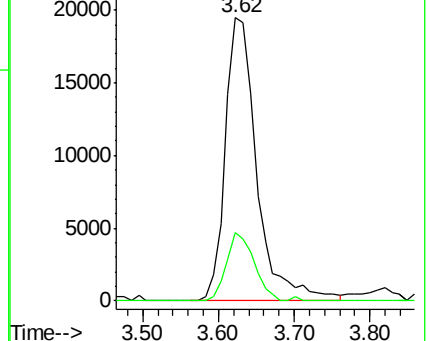
43 100

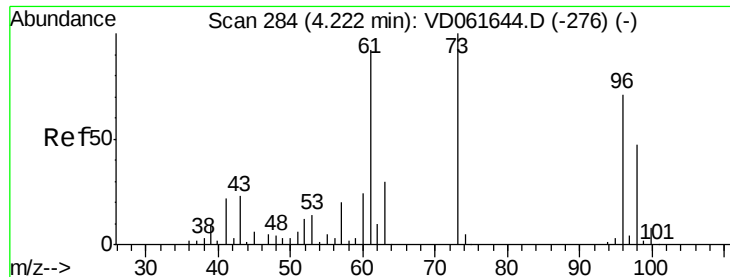
74 23.9 18.2 27.2



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC

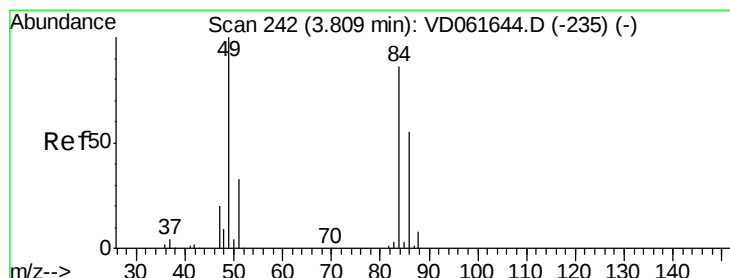
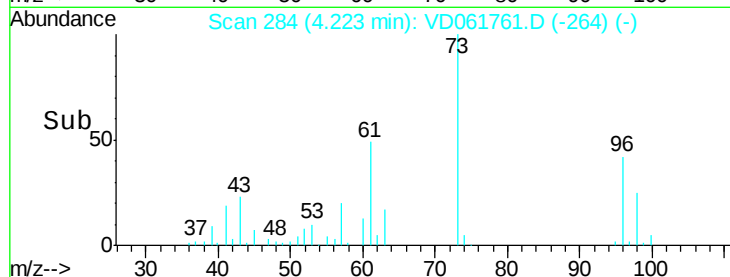
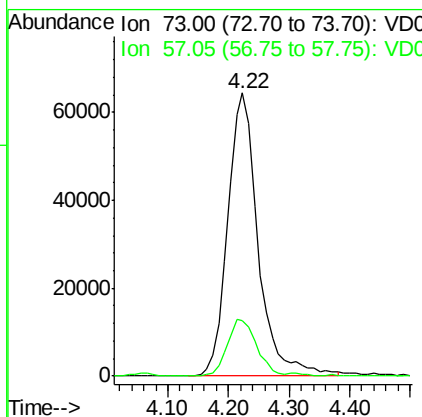
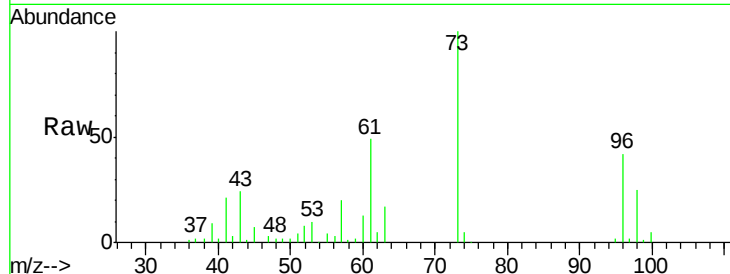




#19
Methyl tert-butyl Ether
Concen: 24.128 ug/l
RT: 4.22 min Scan# 284
Delta R.T. 0.00 min
Lab File: VD061761.D
Acq: 12 Apr 2019 3:19

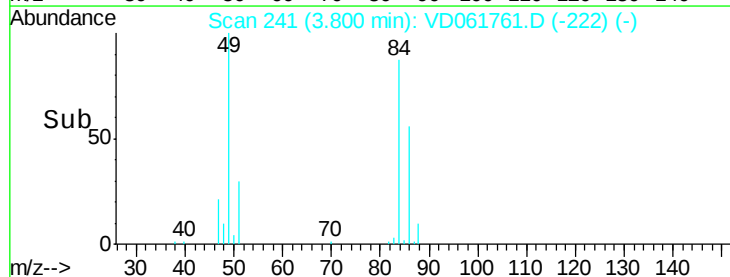
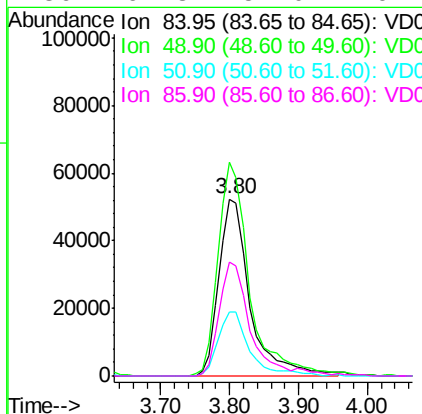
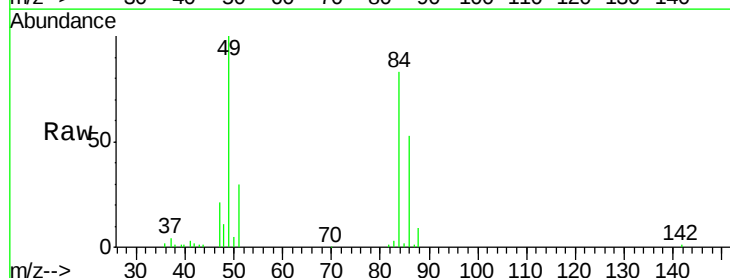
Instrument :
MSVOA_D
ClientSampleId :
VD0411SBS02

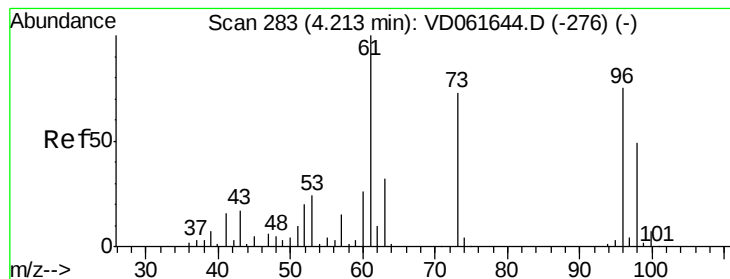
Tot Ion: 73 Resp: 224879
Ion Ratio Lower Upper
73 100
57 19.6 16.0 24.0



#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 :

VD0411SBSD02

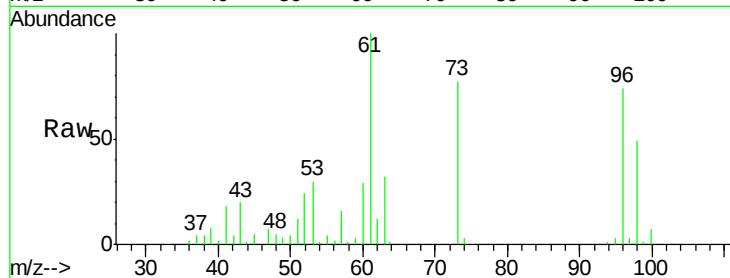
Tot Ion: 96 Resp: 126169

Ion Ratio Lower Upper

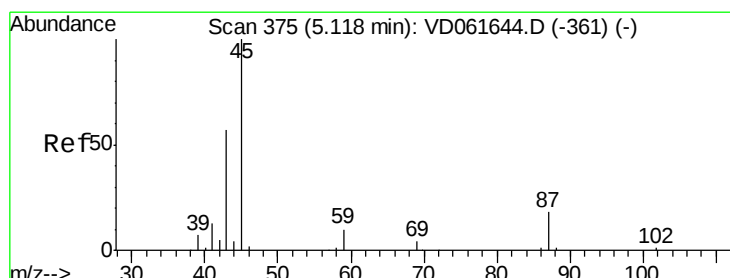
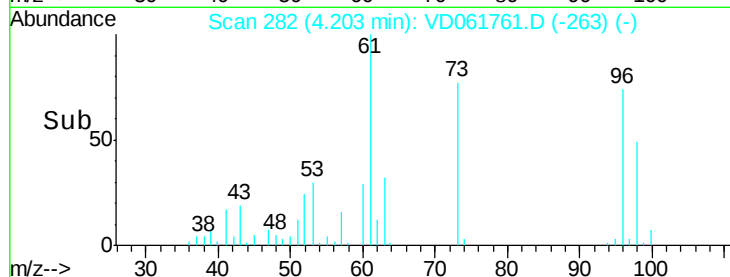
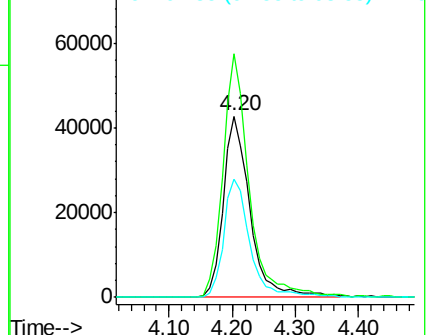
96 100

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

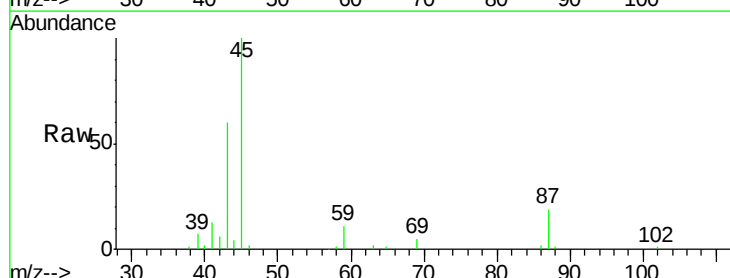
Ion Ratio Lower Upper

45 100

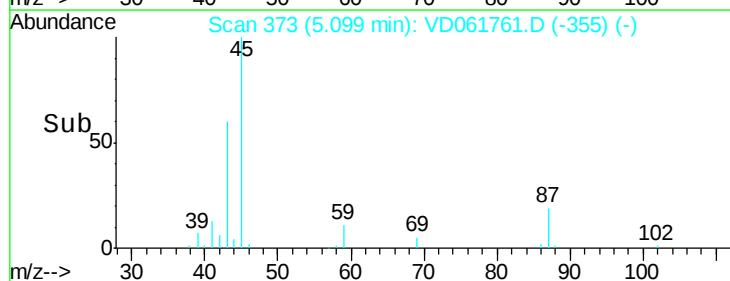
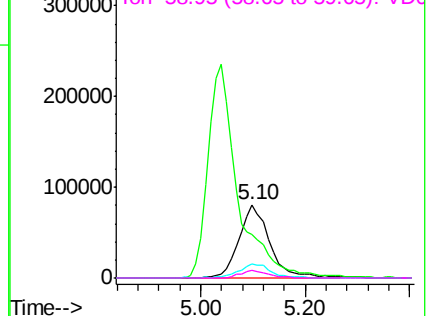
43 59.7 46.6 70.0

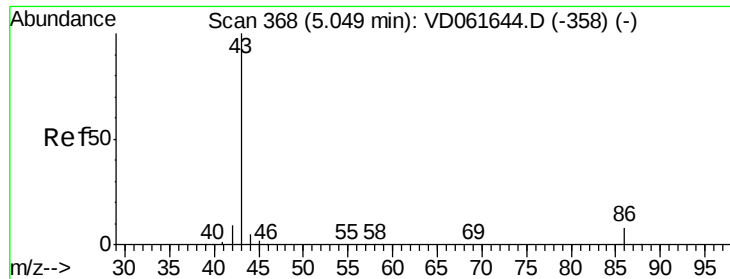
87 18.7 15.6 23.4

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 :

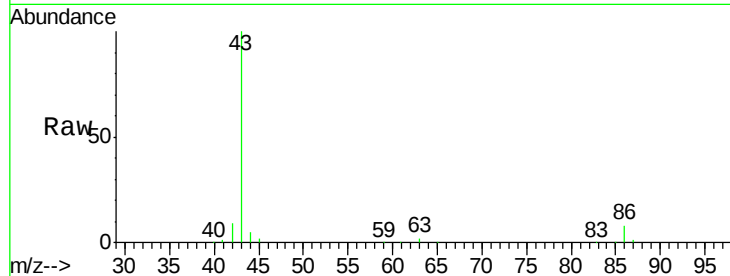
VD0411SBSD02

Tot Ion: 43 Resp: 928093

Ion Ratio Lower Upper

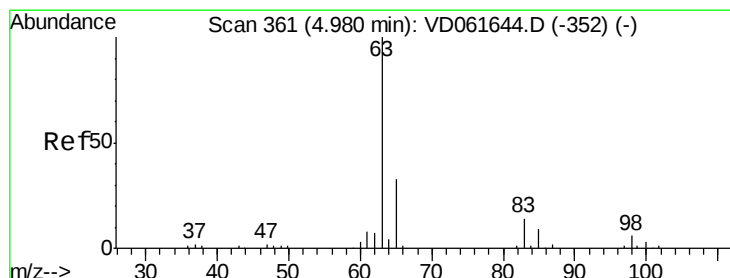
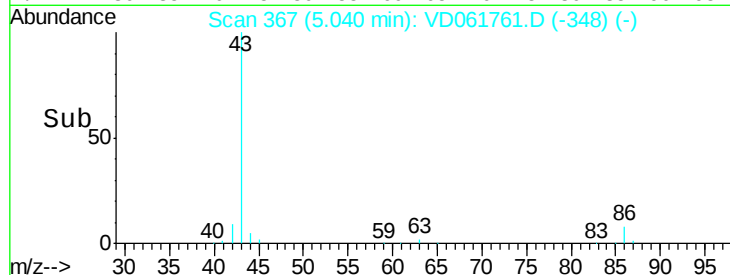
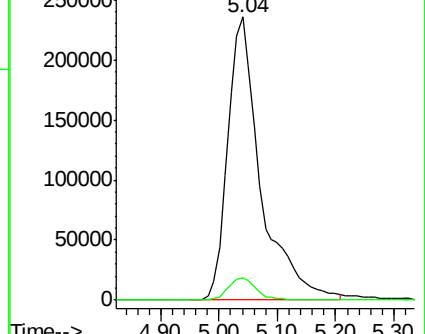
43 100

86 7.8 6.4 9.6



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 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

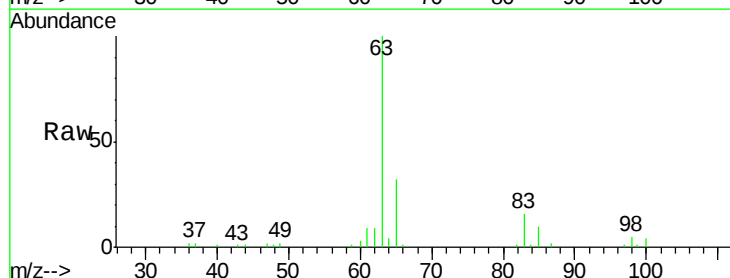
Tgt Ion: 63 Resp: 204742

Ion Ratio Lower Upper

63 100

98 5.2 2.9 8.6

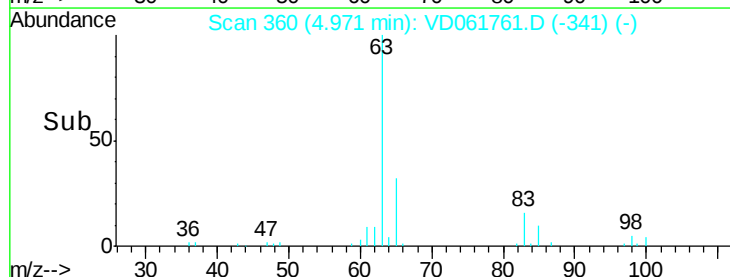
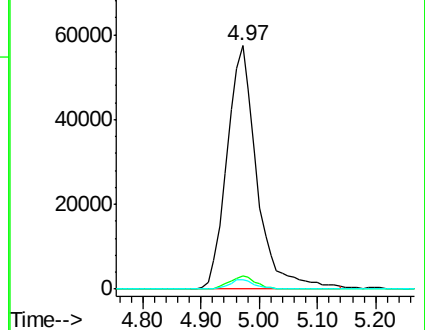
100 4.1 1.7 5.1

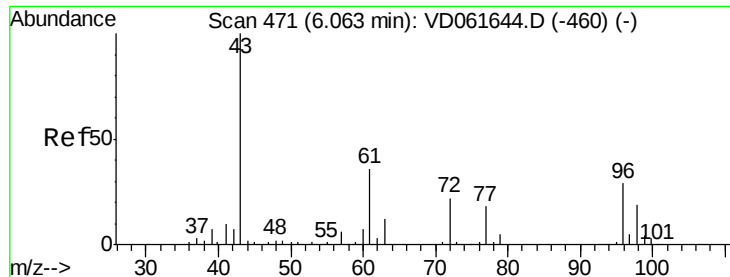


Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC





#25

2-Butanone

Concen: 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

ClientSampleId :

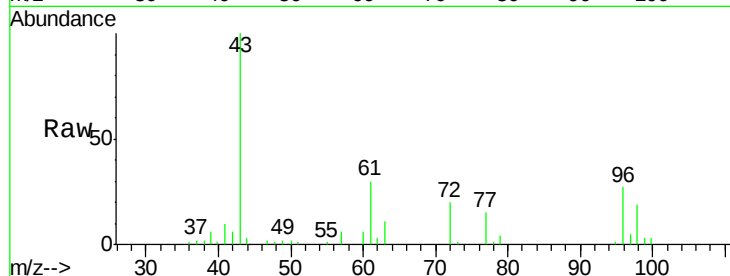
VD0411SBSD02

Tot Ion: 43 Resp: 148552

Ion Ratio Lower Upper

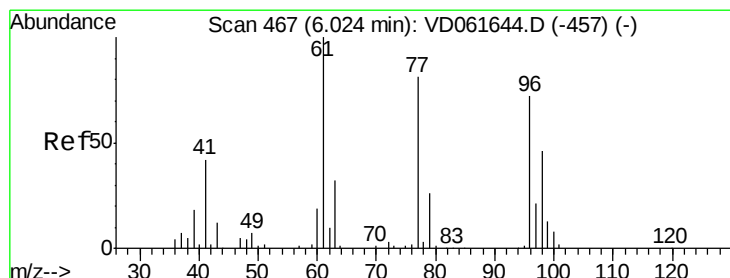
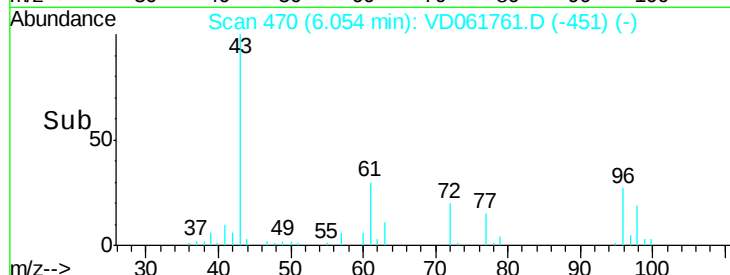
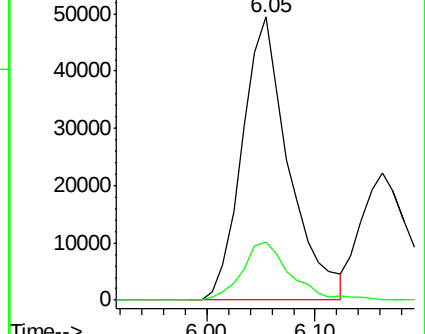
43 100

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

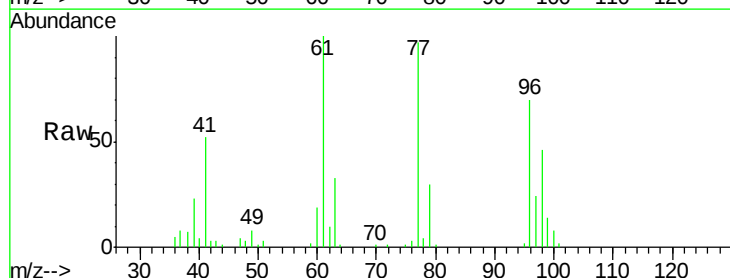
Acq: 12 Apr 2019 3:19

Tgt Ion: 77 Resp: 154224

Ion Ratio Lower Upper

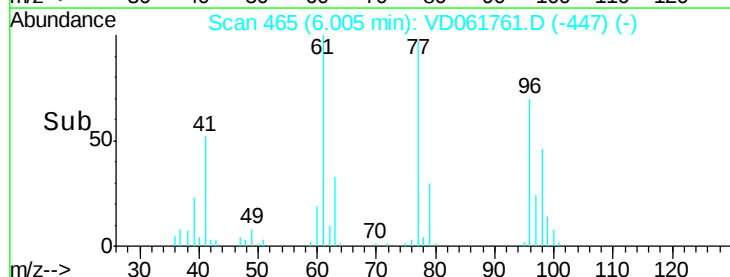
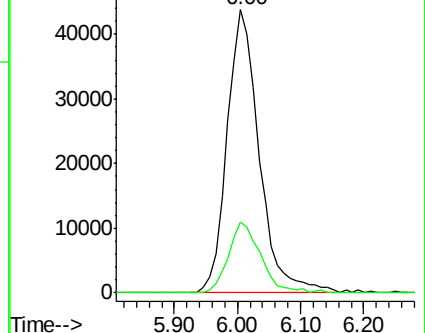
77 100

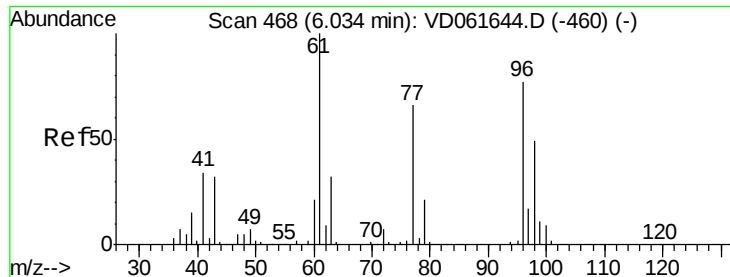
97 25.2 12.7 38.0



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



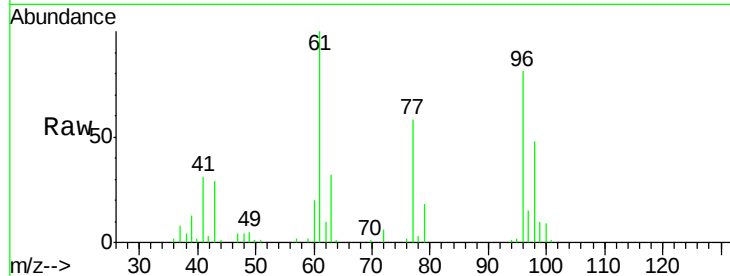


#27

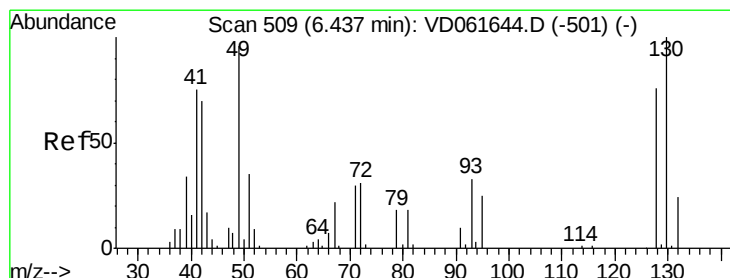
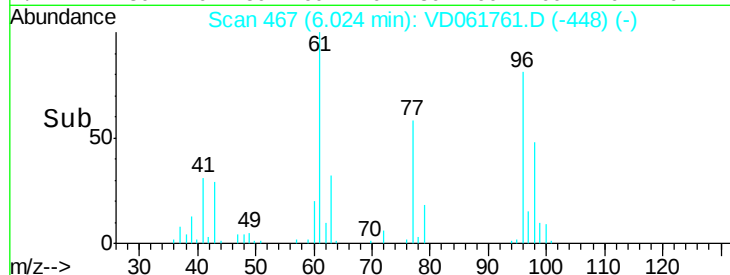
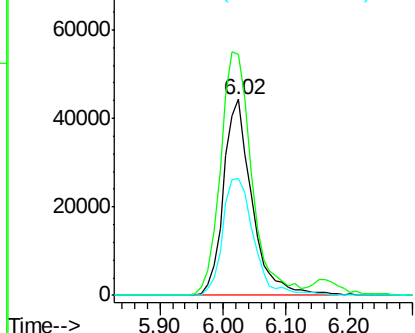
cis-1,2-Dichloroethene
Concen: 22.241 ug/l
RT: 6.02 min Scan# 467
Delta R.T. -0.01 min
Lab File: VD061761.D
Acq: 12 Apr 2019 3:19

Instrument :
MSVOA_D
ClientSampleId :
VD0411SBSD02

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



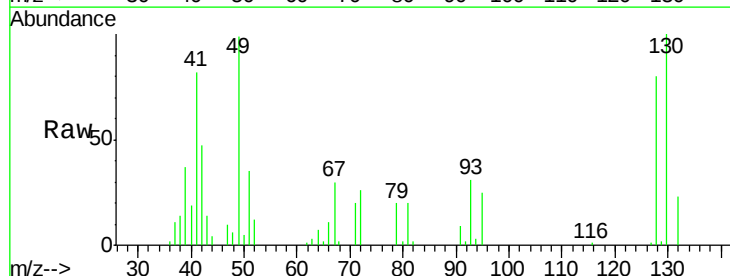
Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 97.85 (97.55 to 98.55): VDC



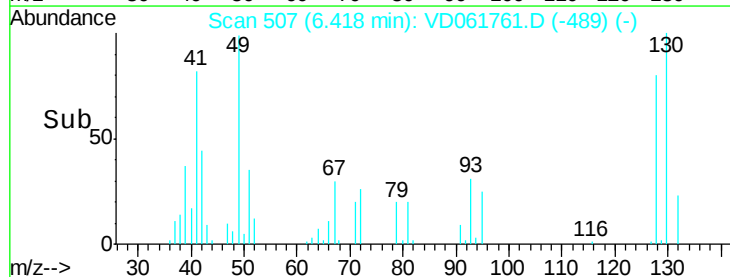
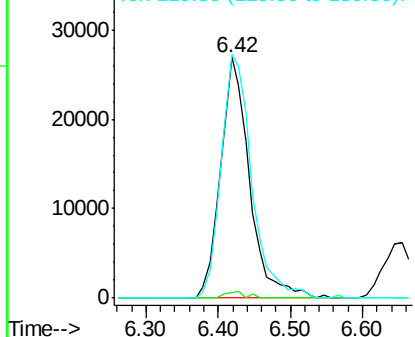
#28

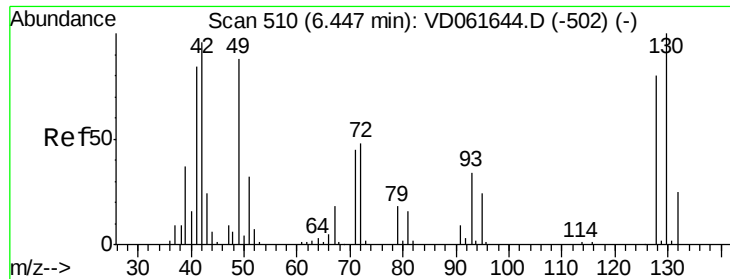
Bromochloromethane
Concen: 21.484 ug/l
RT: 6.42 min Scan# 507
Delta R.T. -0.02 min
Lab File: VD061761.D
Acq: 12 Apr 2019 3:19

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

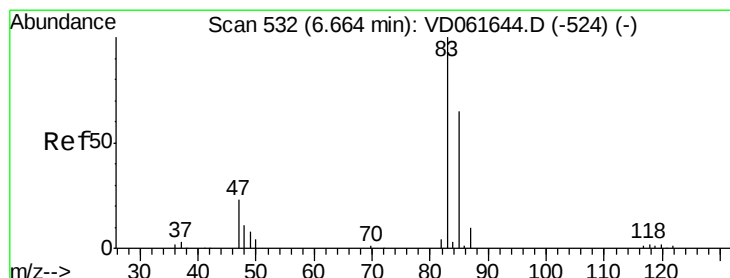
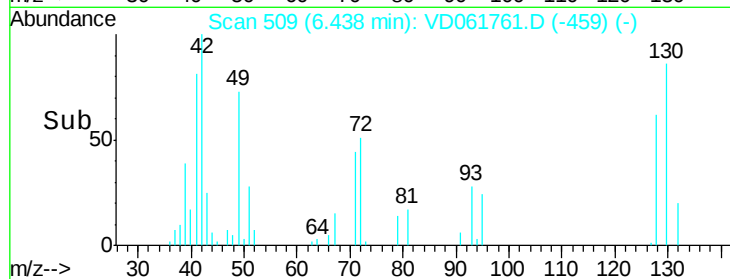
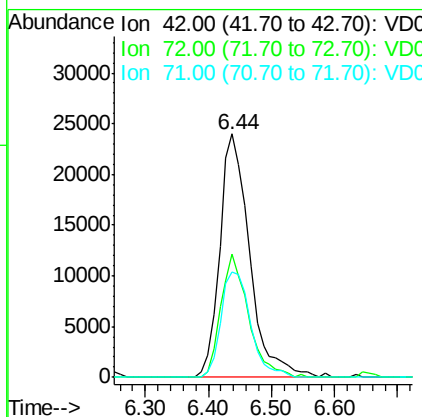
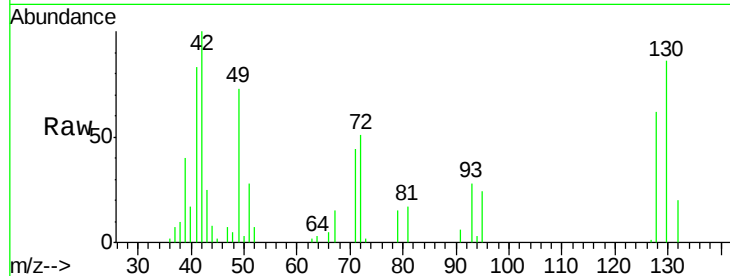




#29
Tetrahydrofuran
Concen: 121.487 ug/l
RT: 6.44 min Scan# 509
Delta R.T. -0.01 min
Lab File: VD061761.D
Acq: 12 Apr 2019 3:19

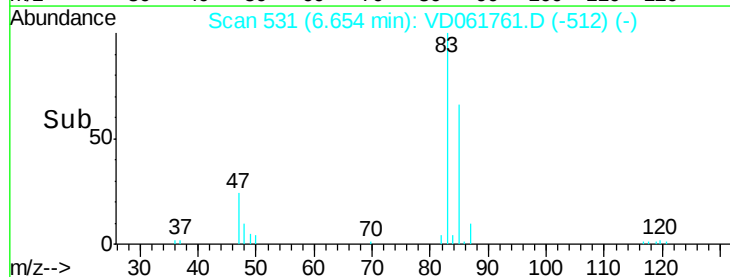
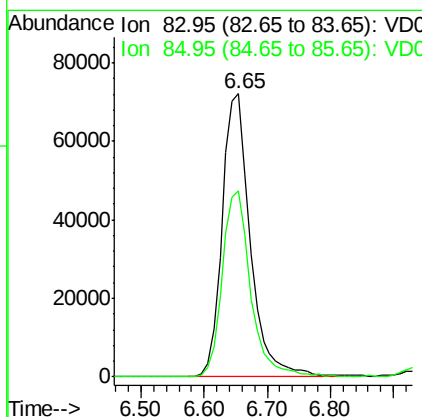
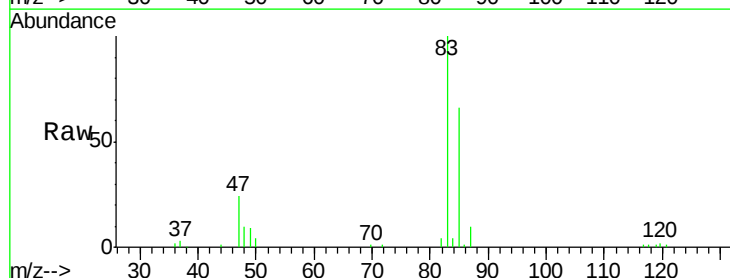
Instrument :
MSVOA_D
ClientSampleId :
VD0411SBSD02

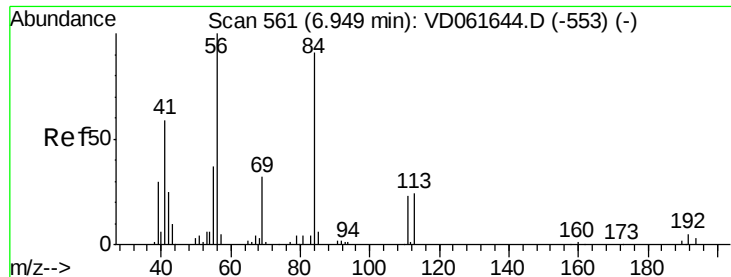
Tot Ion: 42 Resp: 79099
Ion Ratio Lower Upper
42 100
72 46.8 37.0 55.6
71 42.8 36.5 54.7



#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

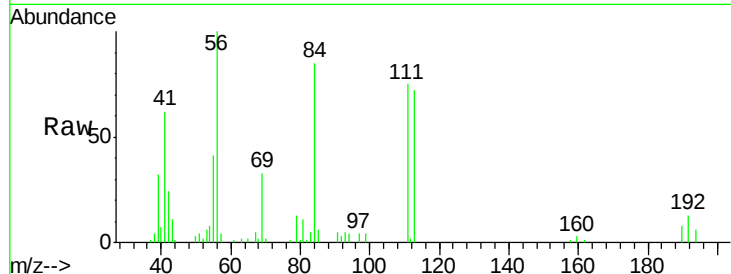




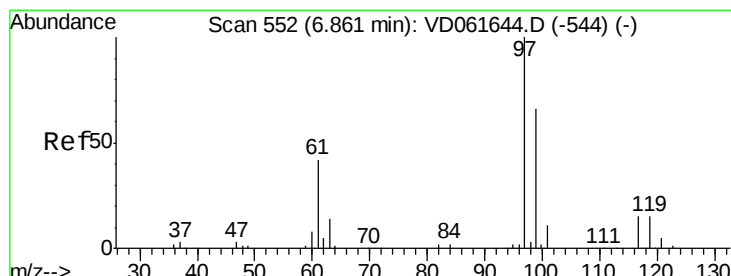
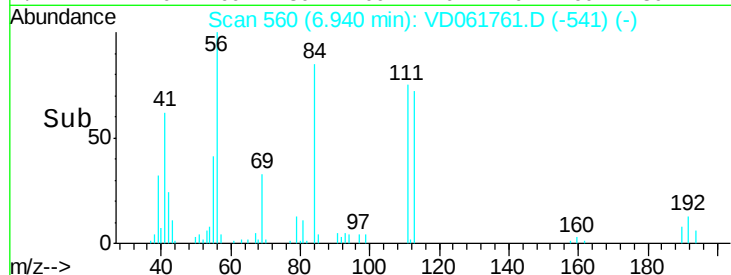
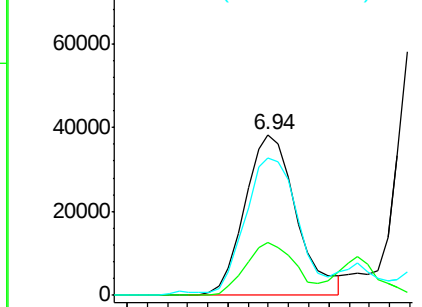
#31
Cyclohexane
Concen: 18.349 ug/l
RT: 6.94 min Scan# 560
Delta R.T. -0.01 min
Lab File: VD061761.D
Acq: 12 Apr 2019 3:19

Instrument :
MSVOA_D
ClientSampleId :
VD0411SBSD02

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

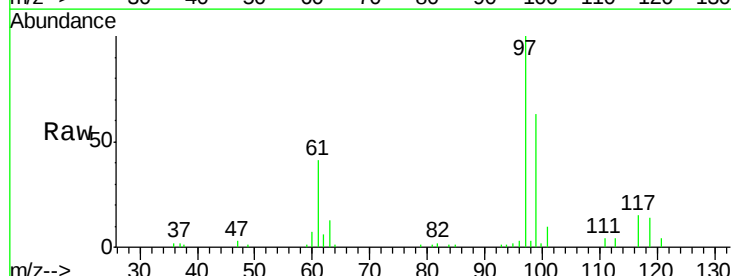


Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.05 (83.75 to 84.75): VDC

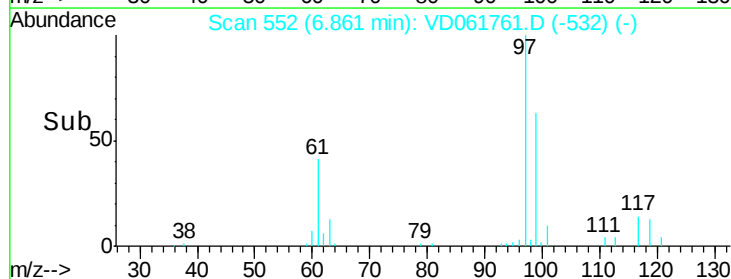
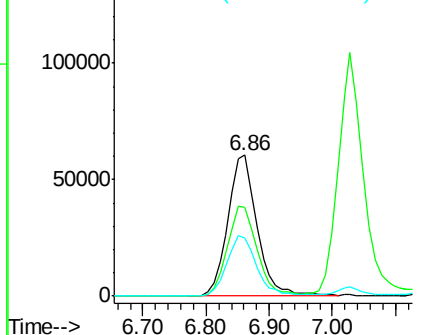


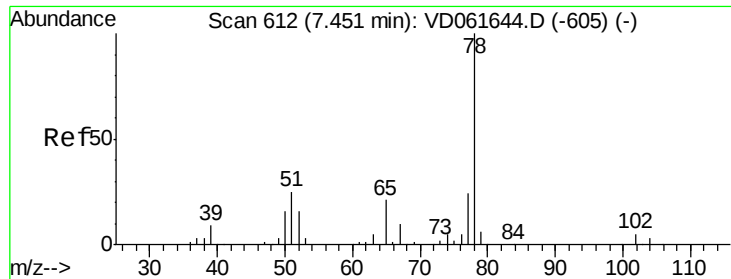
#32
1,1,1-Trichloroethane
Concen: 22.428 ug/l
RT: 6.86 min Scan# 552
Delta R.T. 0.00 min
Lab File: VD061761.D
Acq: 12 Apr 2019 3:19

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

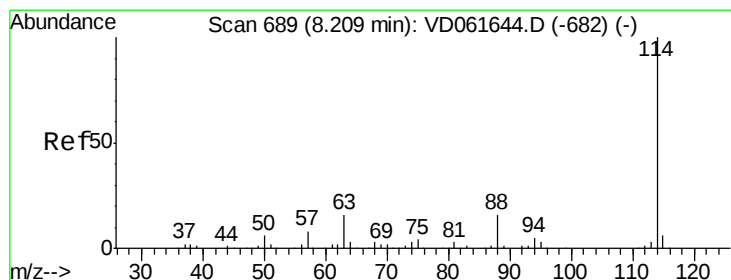
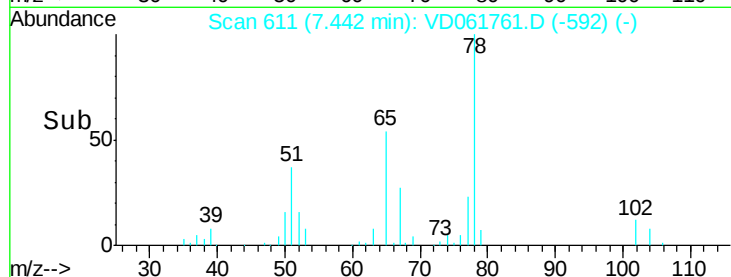
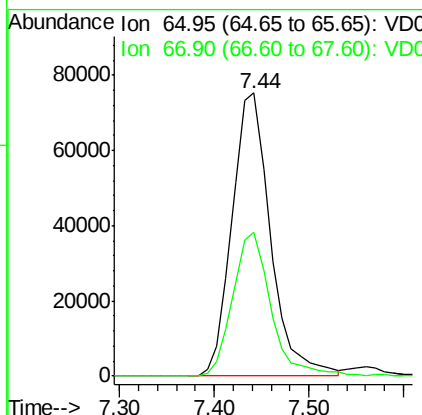
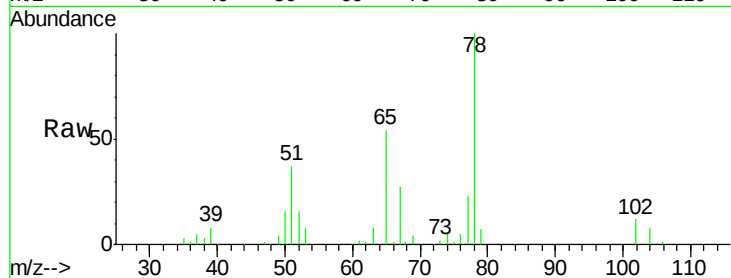




#33
 1,2-Dichloroethane-d4
 Concen: 22.428 ug/l
 RT: 7.44 min Scan# 611
 Delta R.T. -0.01 min
 Lab File: VD061761.D
 Acq: 12 Apr 2019 3:19

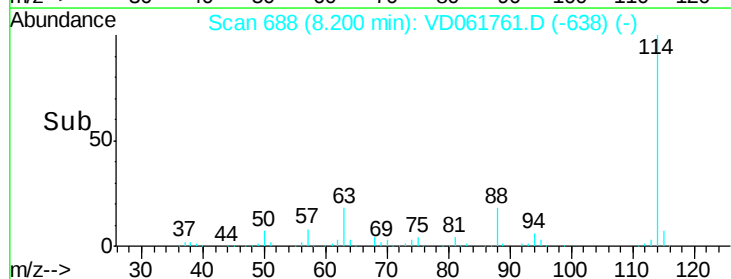
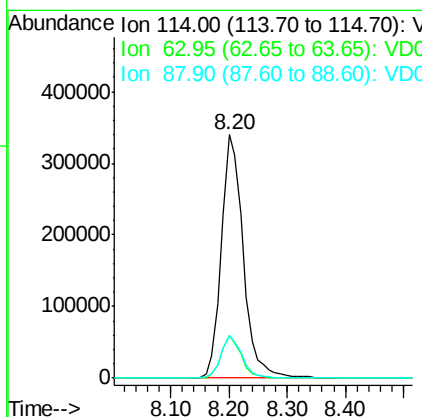
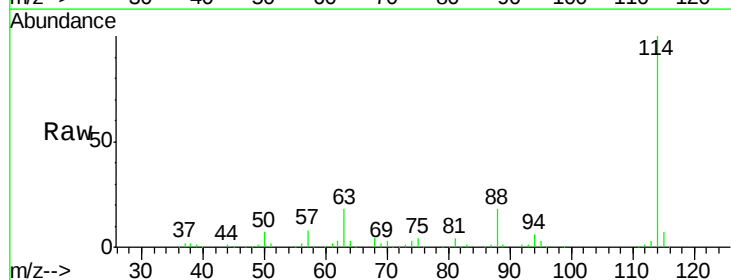
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0411SBSD02

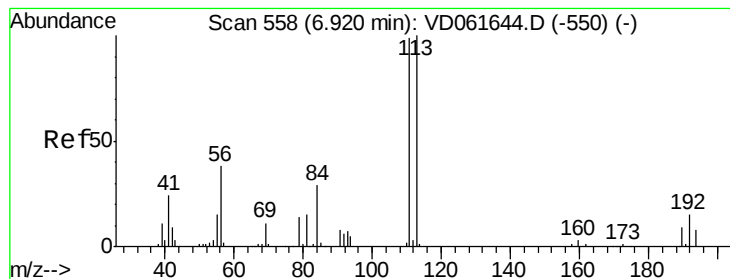
Tot Ion: 65 Resp: 212251
 Ion Ratio Lower Upper
 65 100
 67 50.9 0.0 99.4



#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

ClientSampleId :

VD0411SBSD02

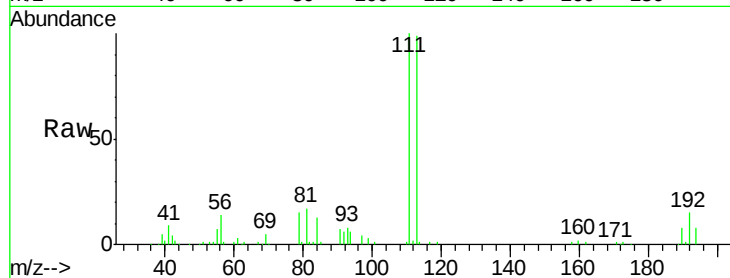
Tot Ion:113 Resp: 298209

Ion Ratio Lower Upper

113 100

111 101.0 79.3 118.9

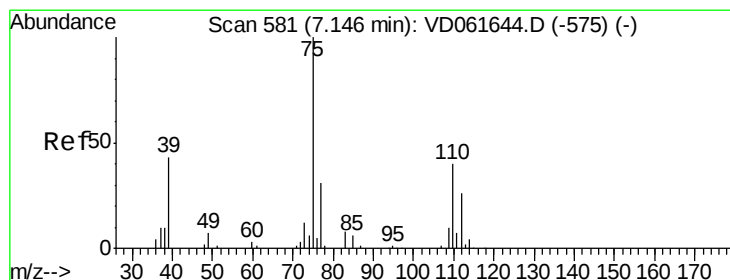
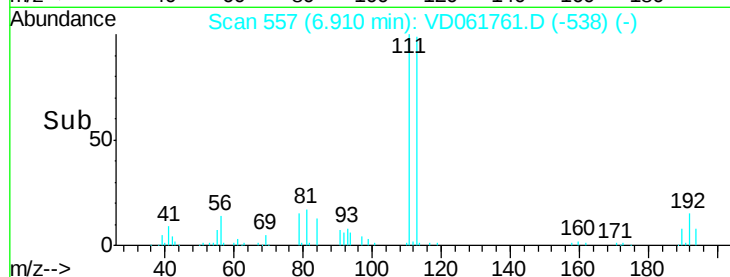
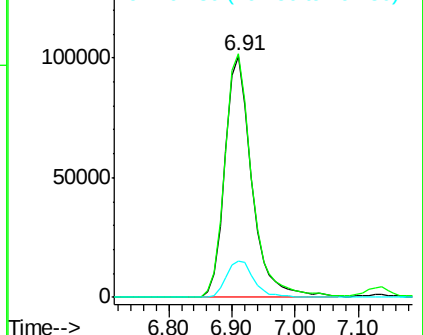
192 15.1 12.3 18.5



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

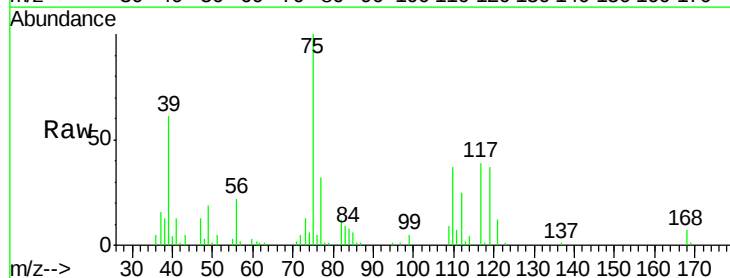
Tgt Ion: 75 Resp: 165507

Ion Ratio Lower Upper

75 100

110 36.8 19.7 59.0

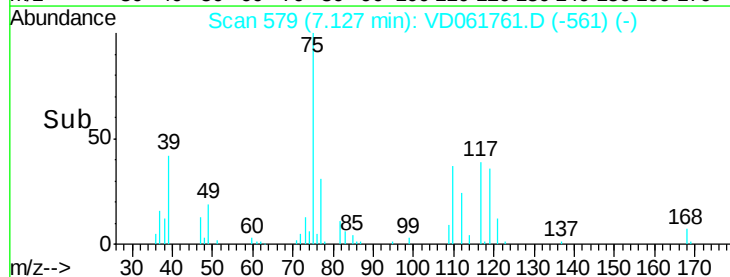
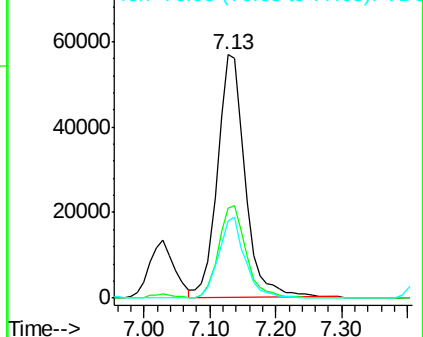
77 31.9 24.8 37.2

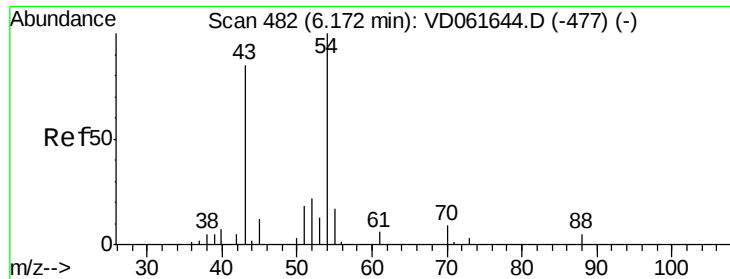


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): V

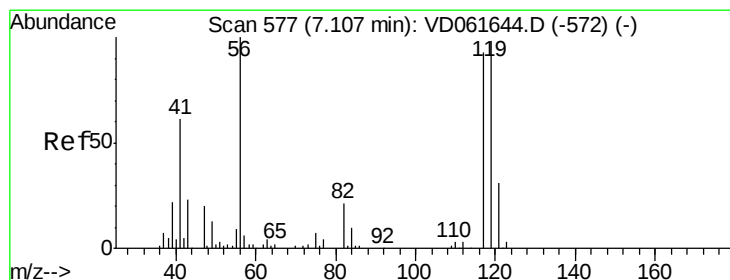
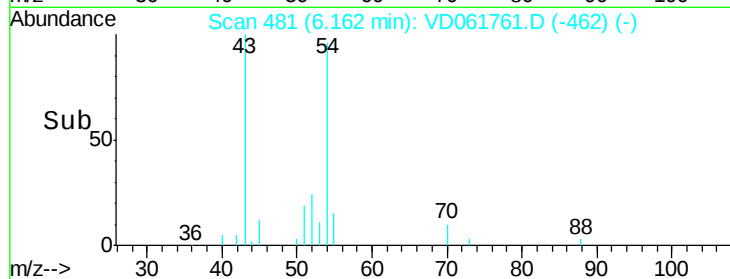
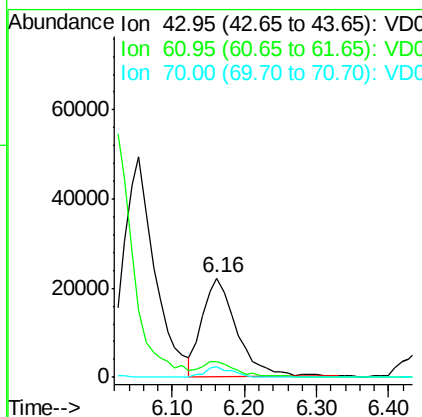
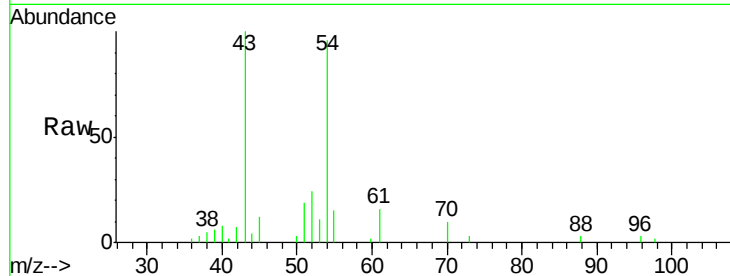




#37
Ethyl Acetate
Concen: 22.567 ug/l
RT: 6.16 min Scan# 481
Delta R.T. -0.01 min
Lab File: VD061761.D
Acq: 12 Apr 2019 3:19

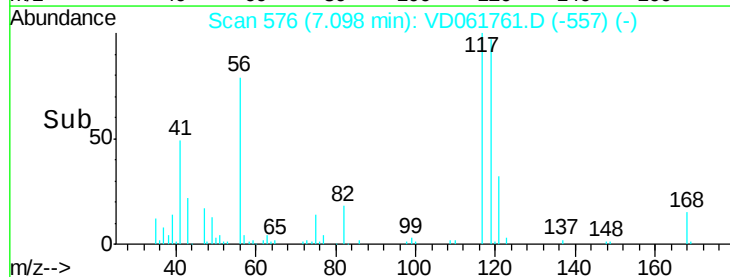
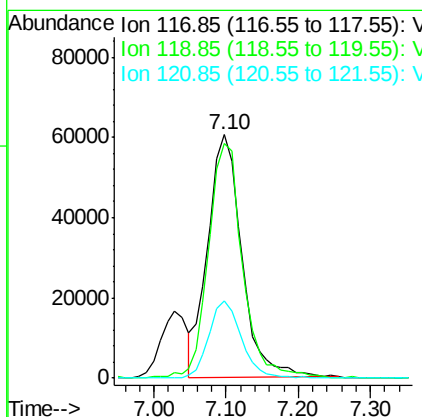
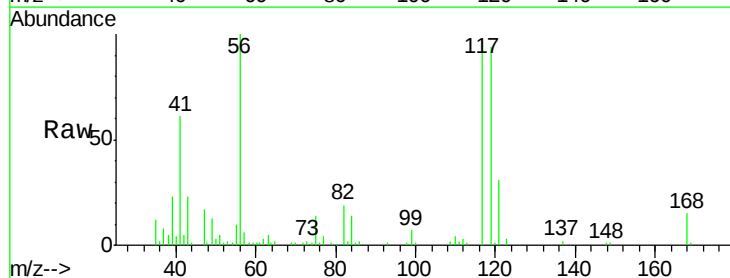
Instrument :
MSVOA_D
ClientSampleId :
VD0411SBS02

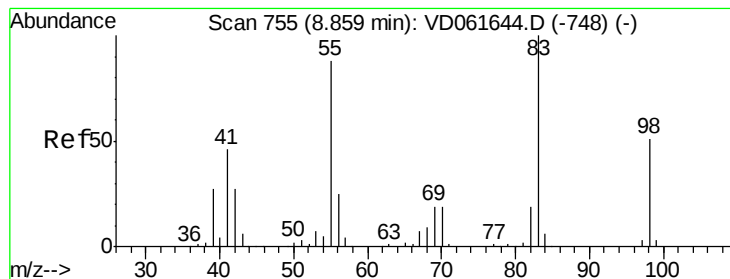
Tot Ion: 43 Resp: 71448
Ion Ratio Lower Upper
43 100
61 16.3 11.9 17.9
70 10.4 6.9 10.3#



#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 :

VD0411SBSD02

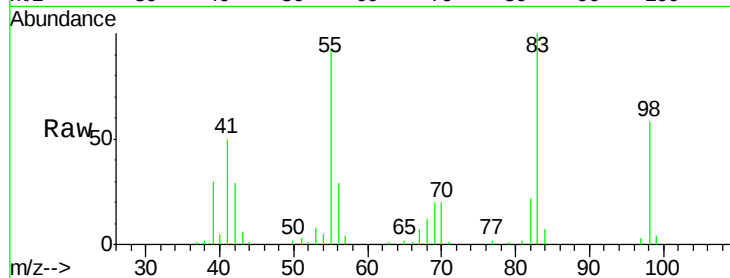
Tot Ion: 83 Resp: 160571

Ion Ratio Lower Upper

83 100

55 92.9 70.3 105.5

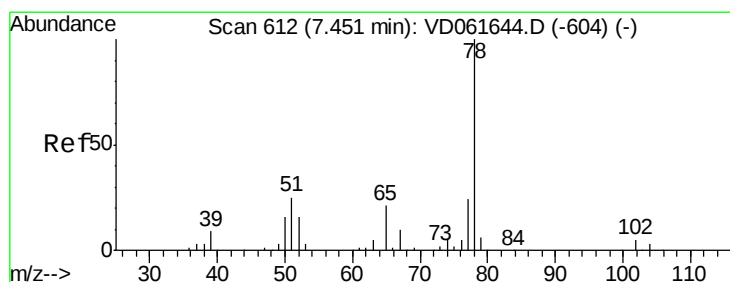
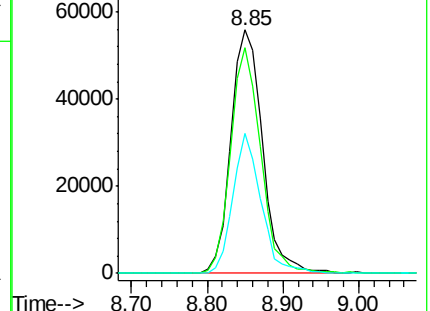
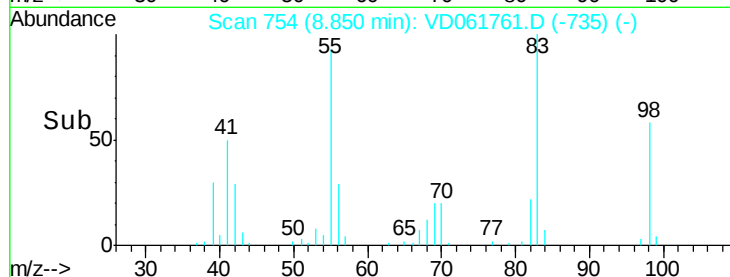
98 57.7 41.0 61.6



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

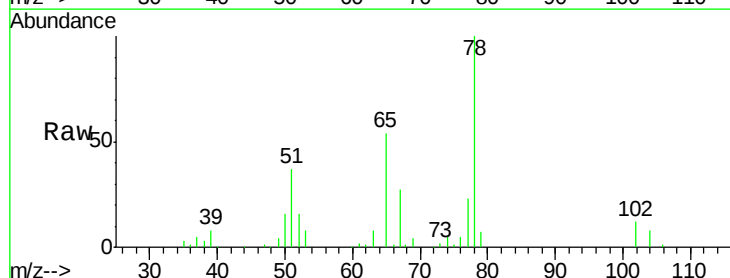
Acq: 12 Apr 2019 3:19

Tgt Ion: 78 Resp: 398742

Ion Ratio Lower Upper

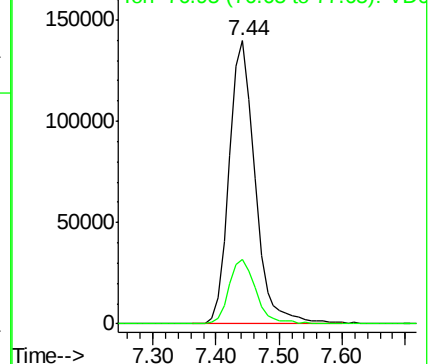
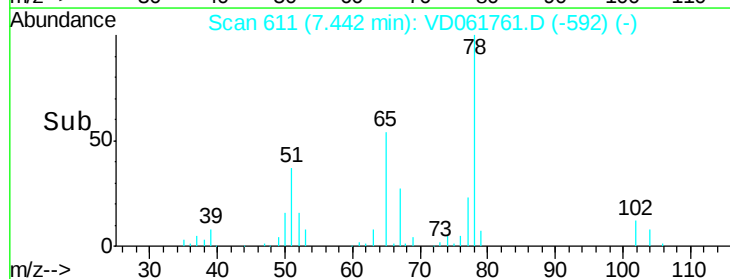
78 100

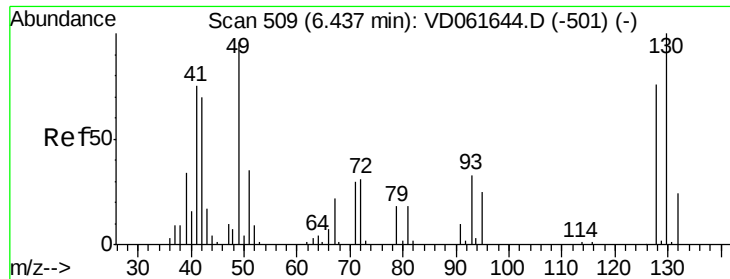
77 22.8 19.5 29.3



Abundance Ion 77.95 (77.65 to 78.65): VDC

Ion 76.95 (76.65 to 77.65): VDC

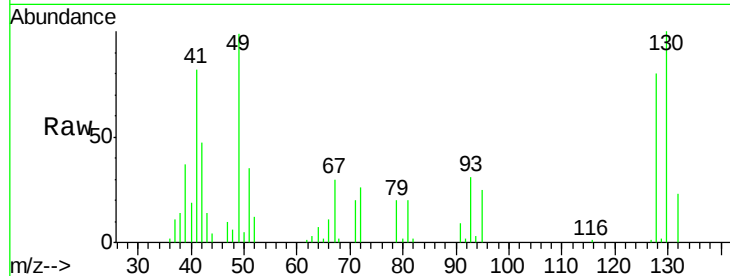




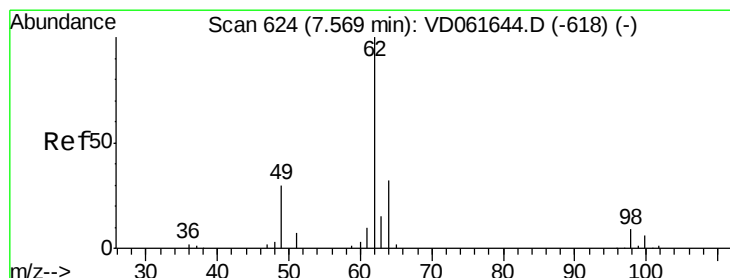
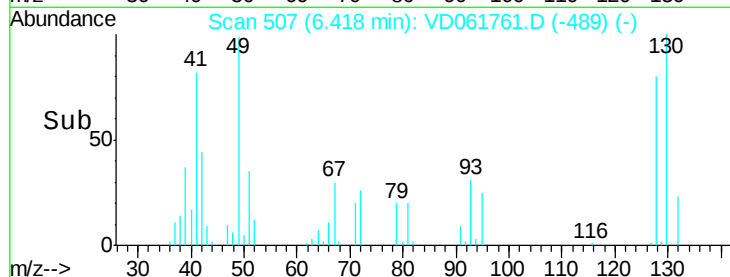
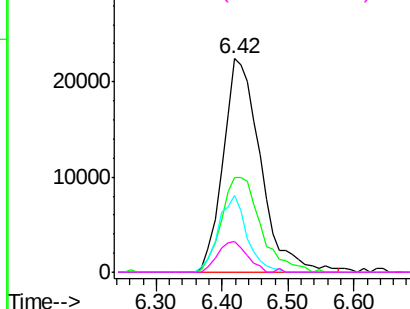
#41
Methacrylonitrile
Concen: 24.120 ug/l
RT: 6.42 min Scan# 507
Delta R.T. -0.02 min
Lab File: VD061761.D
Acq: 12 Apr 2019 3:19

Instrument :
MSVOA_D
ClientSampleId :
VD0411SBSD02

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

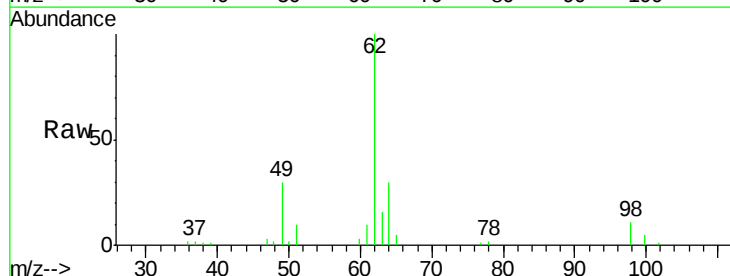


Abundance Ion 40.95 (40.65 to 41.65): VDC
Ion 38.95 (38.65 to 39.65): VDC
Ion 67.00 (66.70 to 67.70): VDC
Ion 52.00 (51.70 to 52.70): VDC

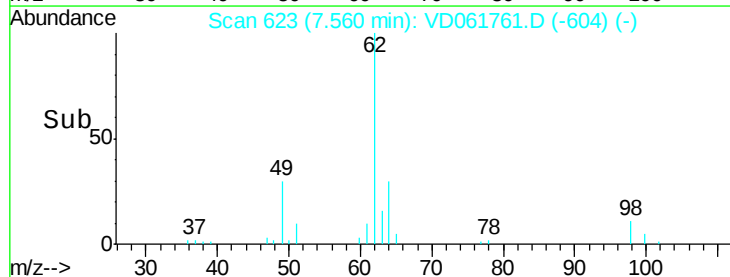
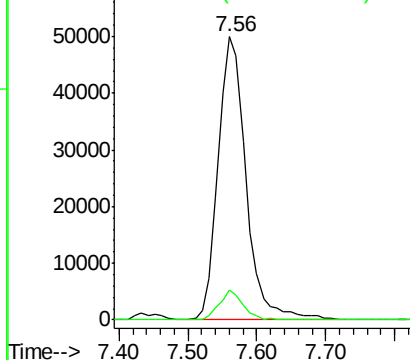


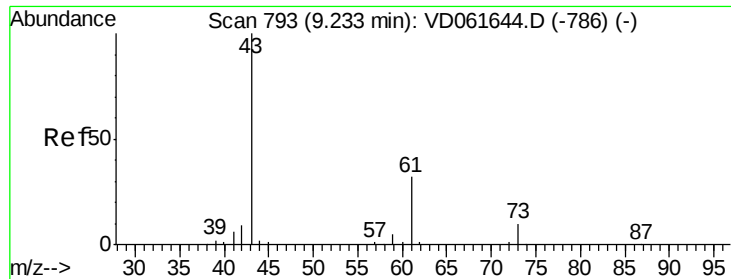
#42
1,2-Dichloroethane
Concen: 23.830 ug/l
RT: 7.56 min Scan# 623
Delta R.T. -0.01 min
Lab File: VD061761.D
Acq: 12 Apr 2019 3:19

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 :

VD0411SBS02

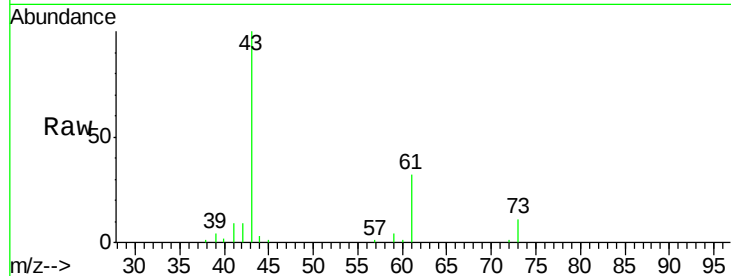
Tot Ion: 43 Resp: 109192

Ion Ratio Lower Upper

43 100

61 31.6 25.9 38.9

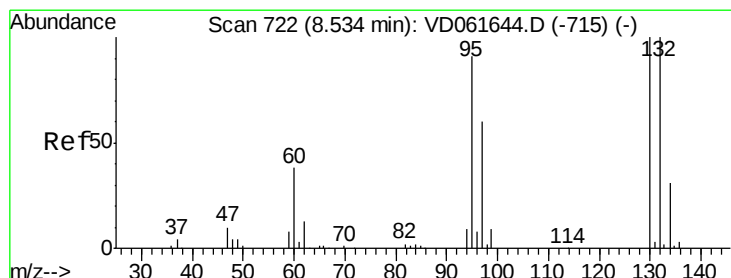
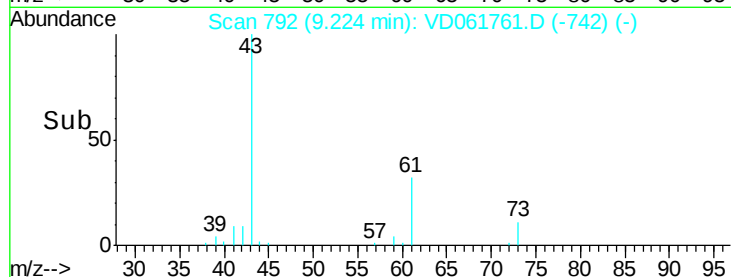
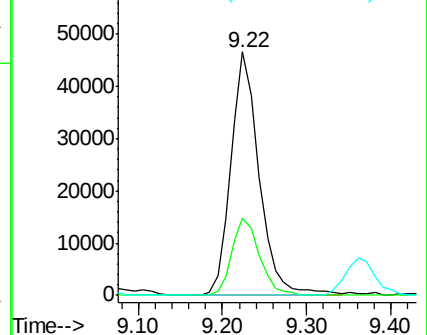
87 0.0 0.2 0.4#



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

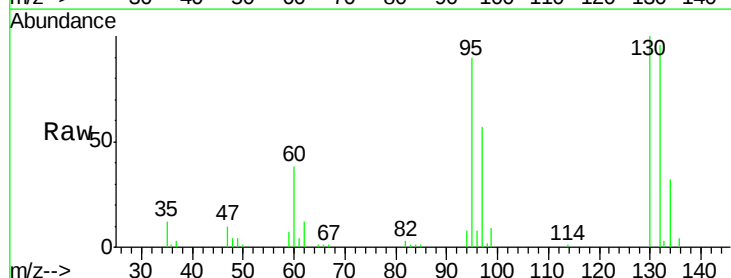
Acq: 12 Apr 2019 3:19

Tgt Ion:130 Resp: 142600

Ion Ratio Lower Upper

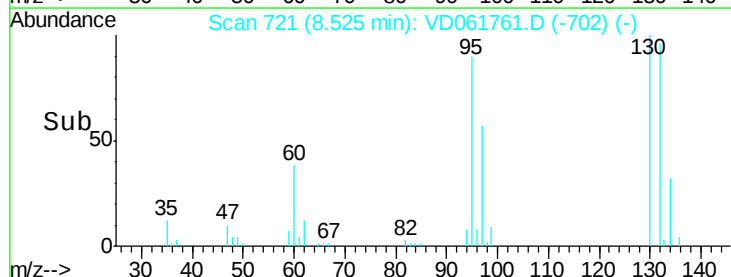
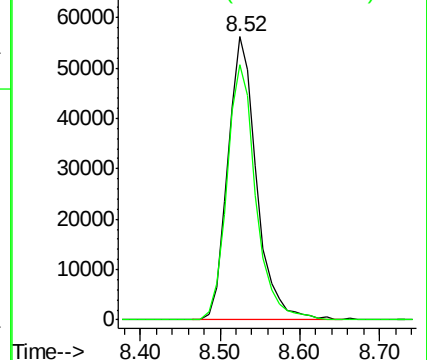
130 100

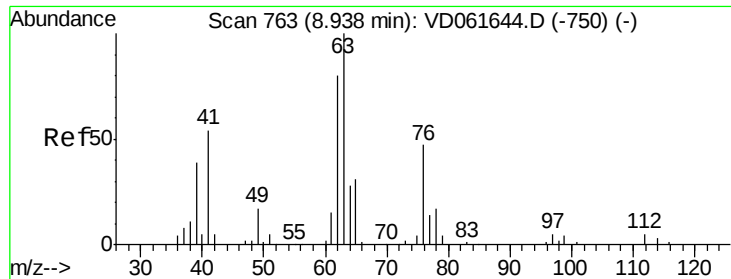
95 90.2 0.0 181.8



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 :

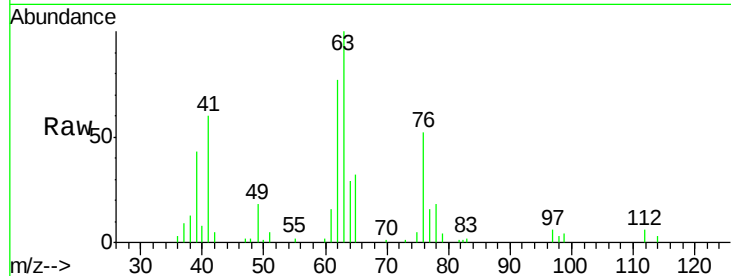
VD0411SBSD02

Tot Ion: 63 Resp: 101402

Ion Ratio Lower Upper

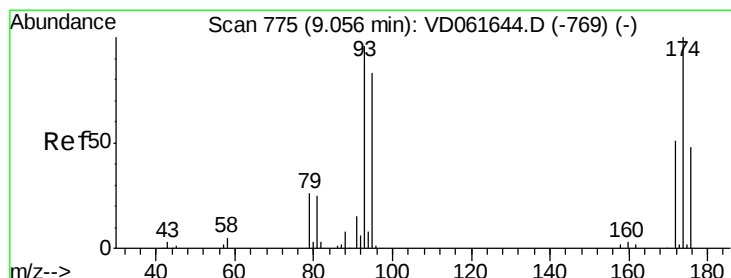
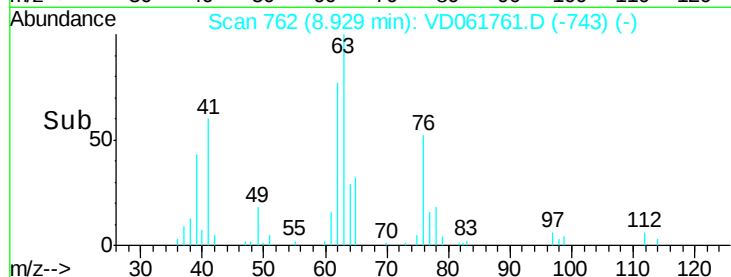
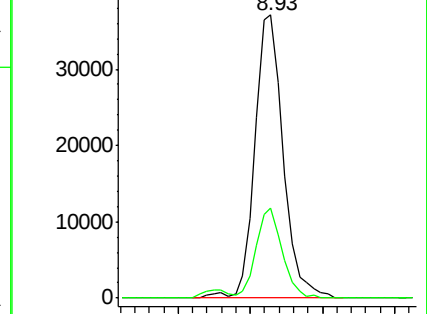
63 100

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

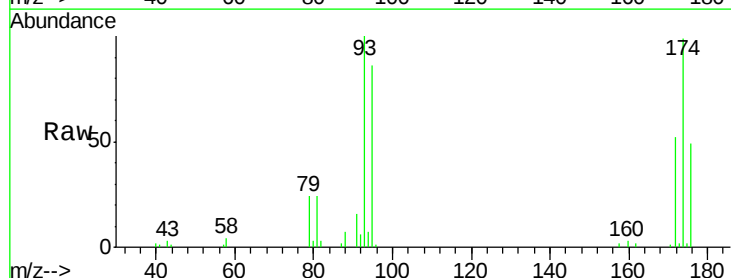
Tgt Ion: 93 Resp: 79148

Ion Ratio Lower Upper

93 100

95 86.2 68.6 103.0

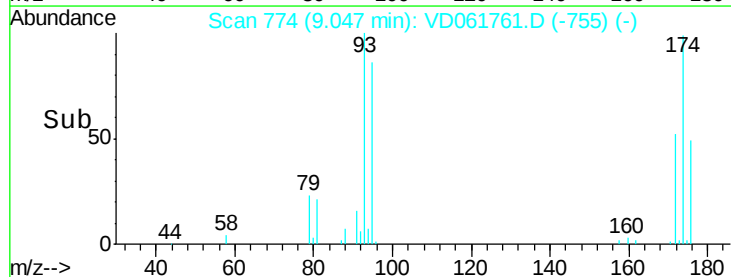
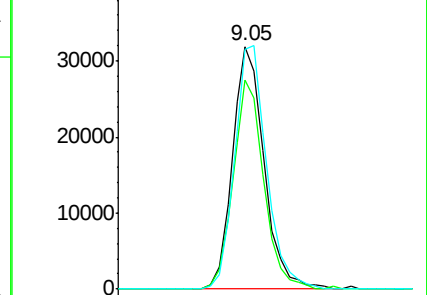
174 98.7 83.0 124.4



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): V





#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 :

VD0411SBS02

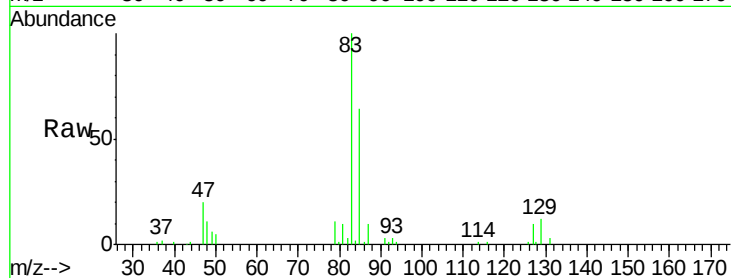
Tot Ion: 83 Resp: 171184

Ion Ratio Lower Upper

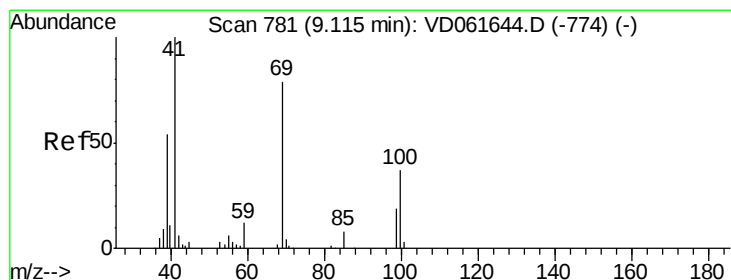
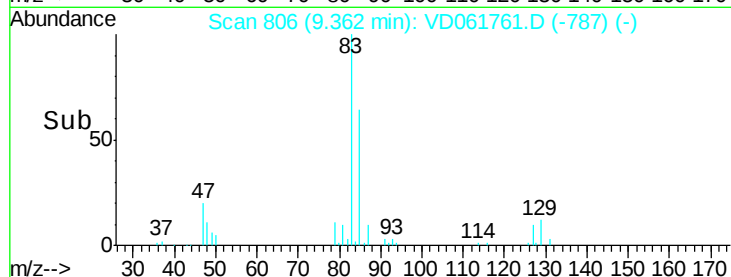
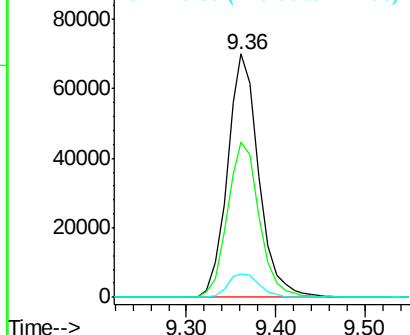
83 100

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): VDC



#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

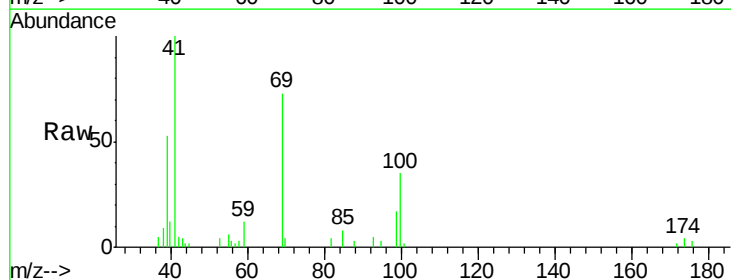
Tgt Ion: 41 Resp: 61435

Ion Ratio Lower Upper

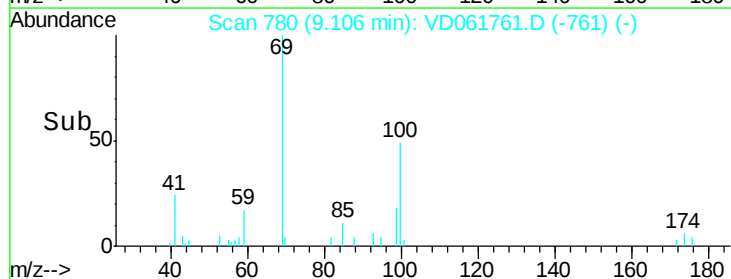
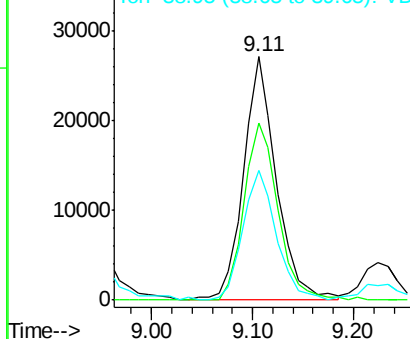
41 100

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

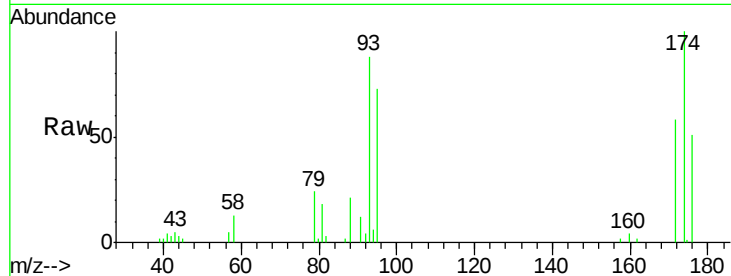




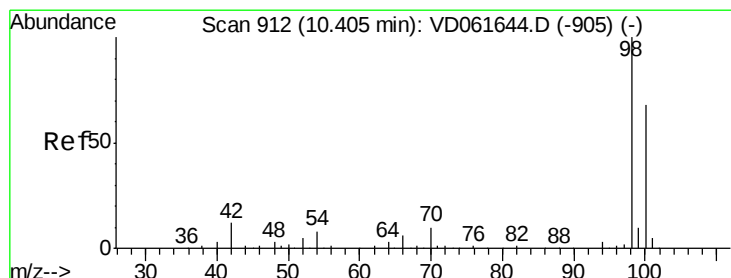
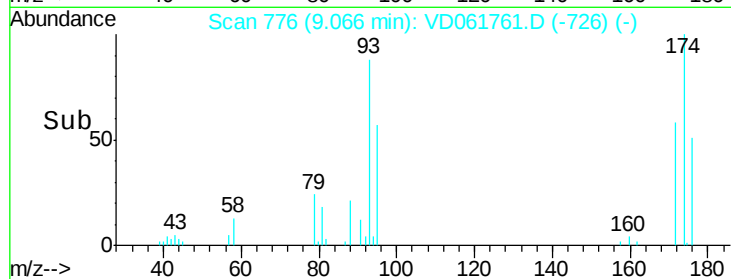
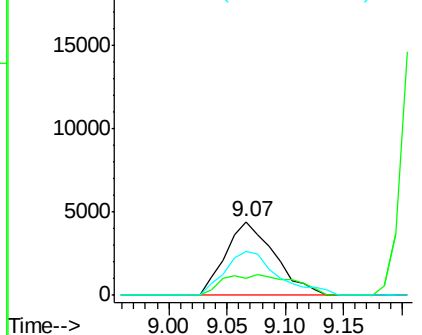
#49
1,4-Dioxane
Concen: 440.261 ug/l
RT: 9.07 min Scan# 776
Delta R.T. -0.01 min
Lab File: VD061761.D
Acq: 12 Apr 2019 3:19

Instrument :
MSVOA_D
ClientSampleId :
VD0411SBSD02

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

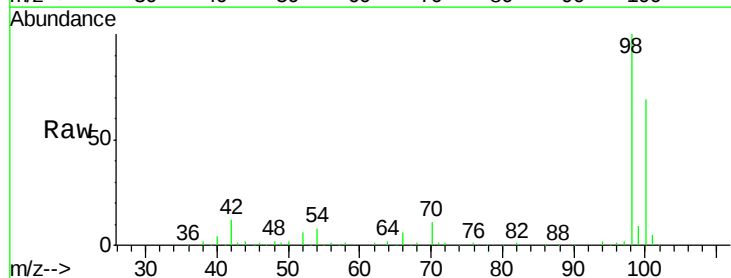


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 57.95 (57.65 to 58.65): VDC

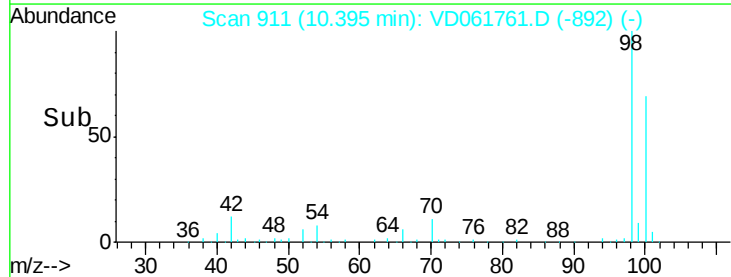
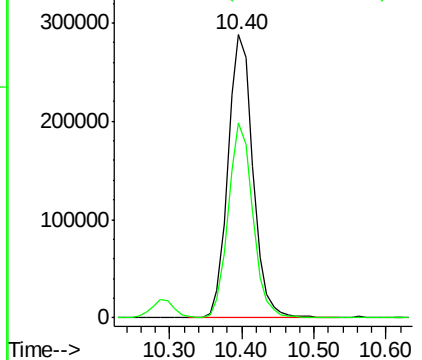


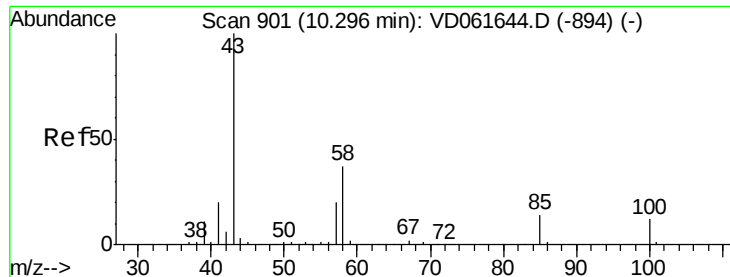
#50
Toluene-d8
Concen: 440.261 ug/l
RT: 10.40 min Scan# 911
Delta R.T. -0.01 min
Lab File: VD061761.D
Acq: 12 Apr 2019 3:19

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 :

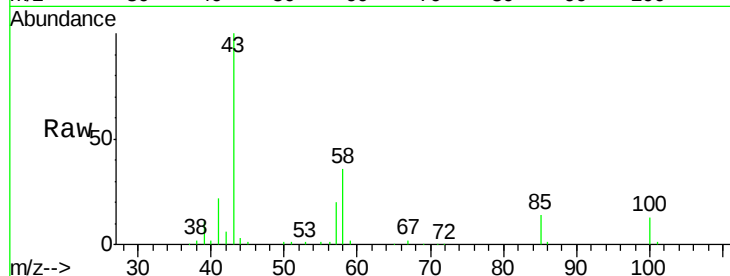
VD0411SBS02

Tot Ion: 43 Resp: 324510

Ion Ratio Lower Upper

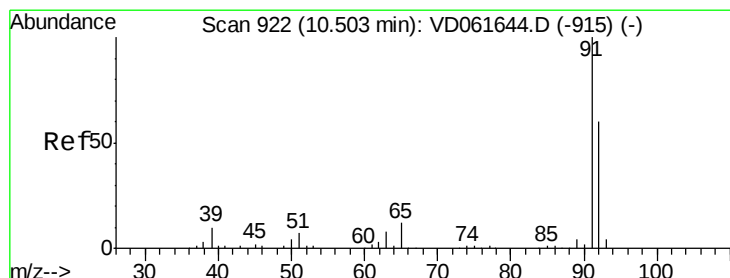
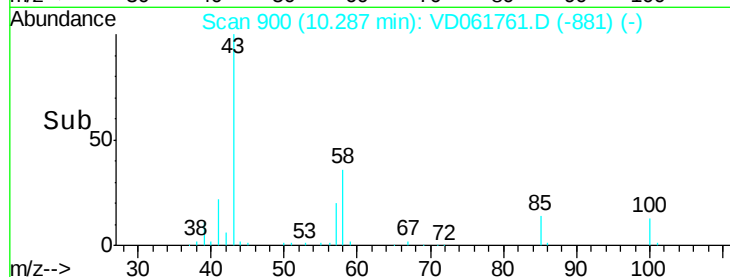
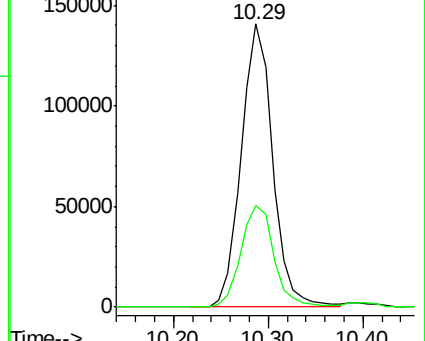
43 100

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

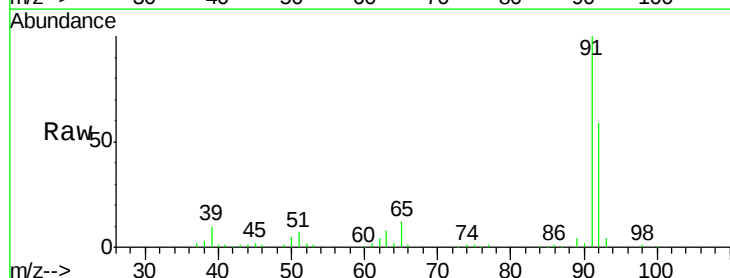
Acq: 12 Apr 2019 3:19

Tgt Ion: 92 Resp: 262561

Ion Ratio Lower Upper

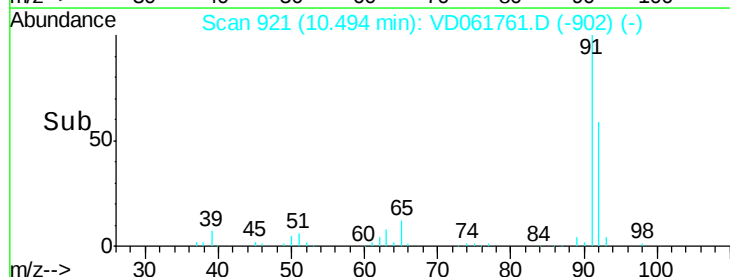
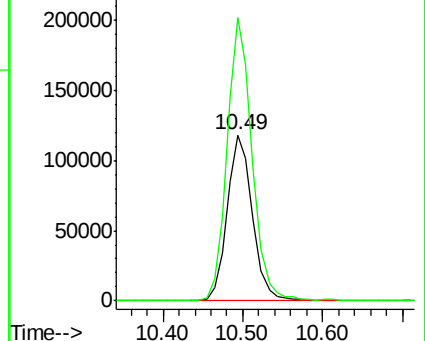
92 100

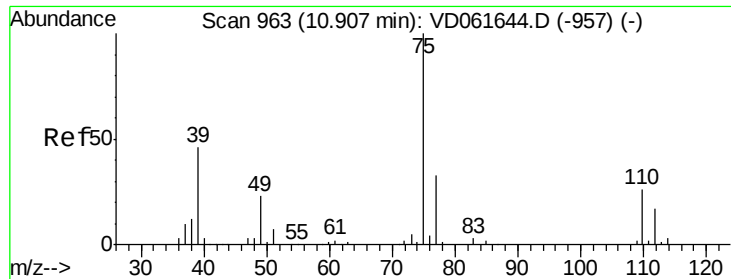
91 170.7 133.0 199.4



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

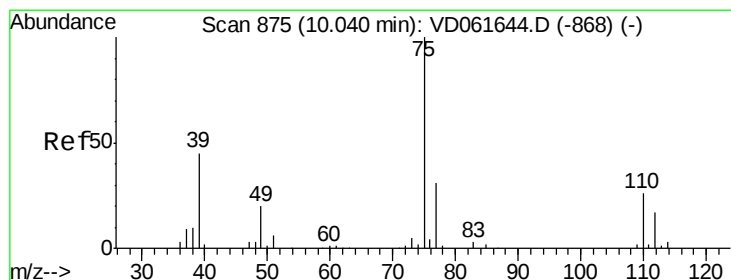
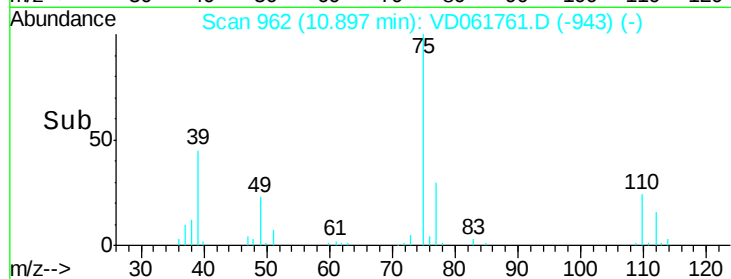
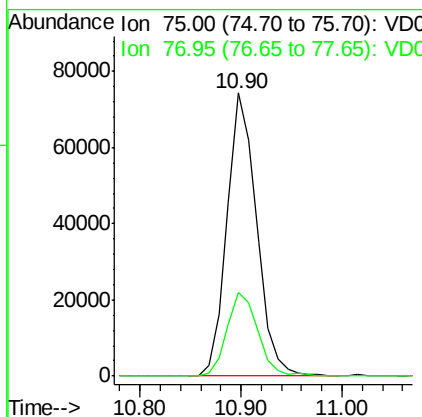
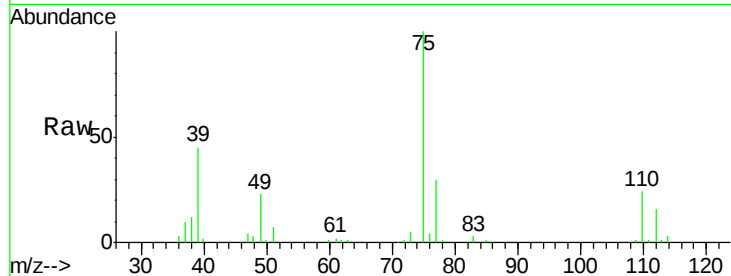




#53
 t-1,3-Dichloropropene
 Concen: 23.638 ug/l
 RT: 10.90 min Scan# 962
 Delta R.T. -0.01 min
 Lab File: VD061761.D
 Acq: 12 Apr 2019 3:19

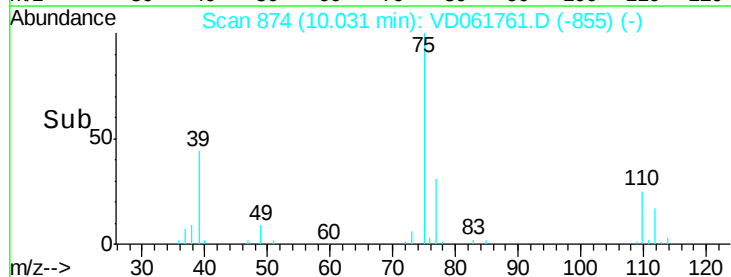
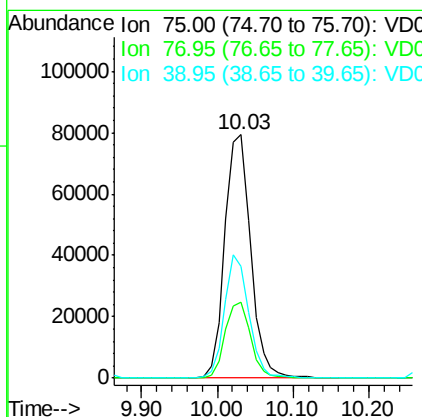
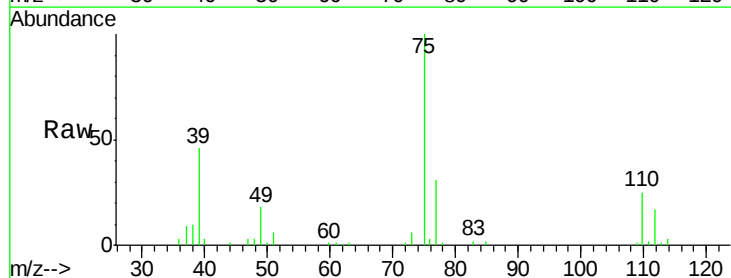
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0411SBSD02

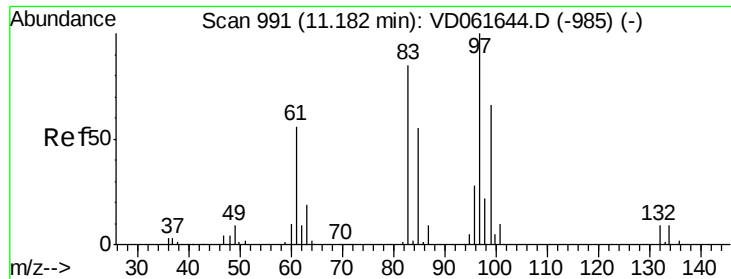
Tot Ion: 75 Resp: 151252
 Ion Ratio Lower Upper
 75 100
 77 29.8 26.2 39.2



#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 :

VD0411SBS02

Tot Ion: 97 Resp: 94091

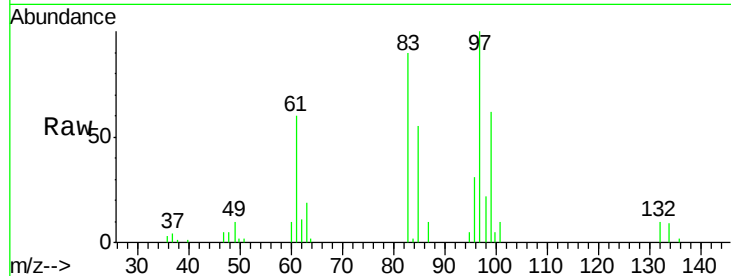
Ion Ratio Lower Upper

97 100

83 90.0 67.8 101.6

85 55.1 43.8 65.8

99 61.8 52.8 79.2

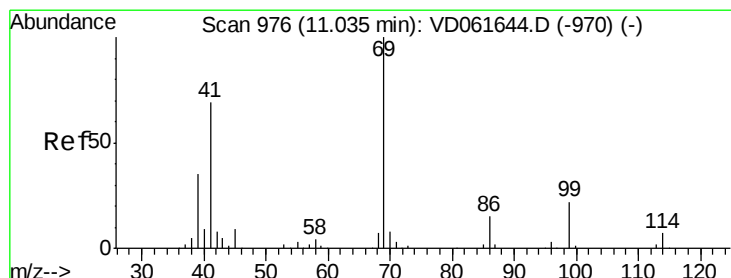
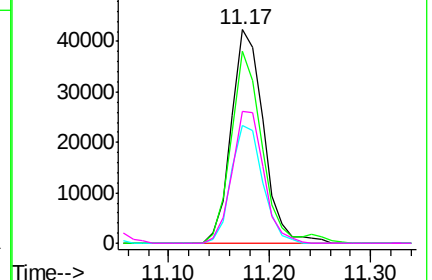
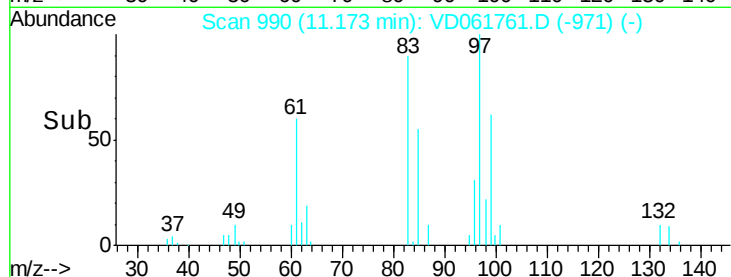


Abundance Ion 96.85 (96.55 to 97.55): VDC

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

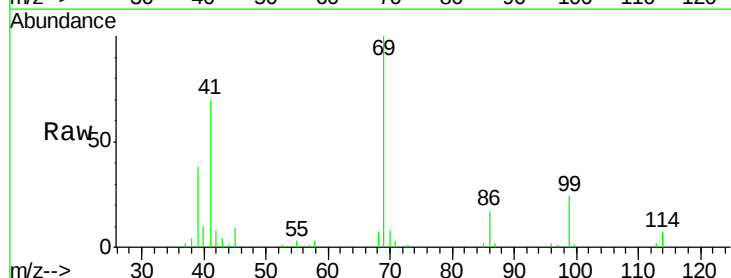
Tgt Ion: 69 Resp: 95990

Ion Ratio Lower Upper

69 100

41 70.1 55.2 82.8

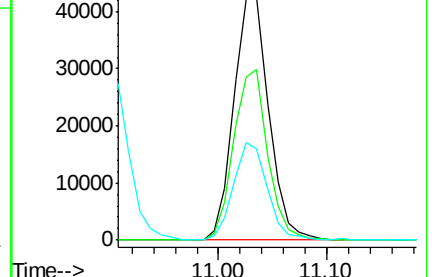
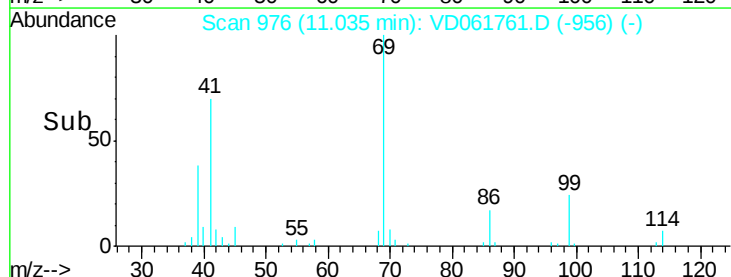
39 37.7 28.6 43.0

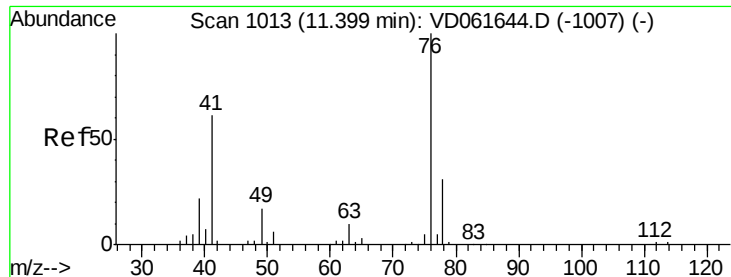


Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

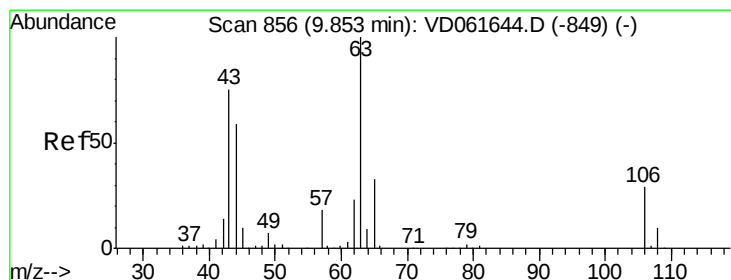
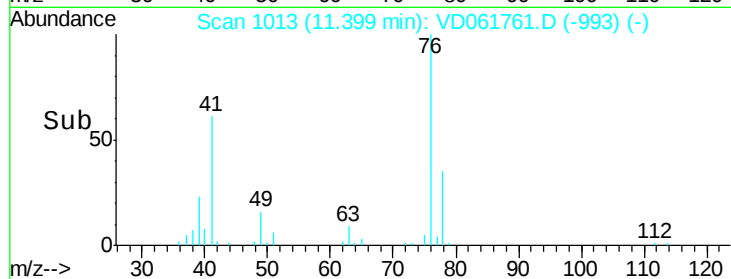
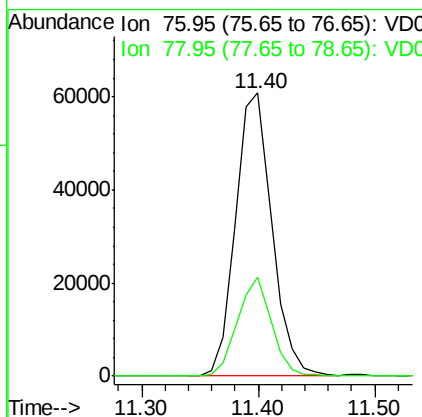
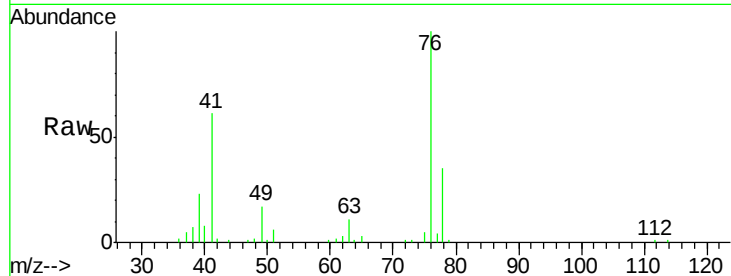




#57
 1,3-Dichloropropane
 Concen: 22.697 ug/l
 RT: 11.40 min Scan# 1013
 Delta R.T. 0.00 min
 Lab File: VD061761.D
 Acq: 12 Apr 2019 3:19

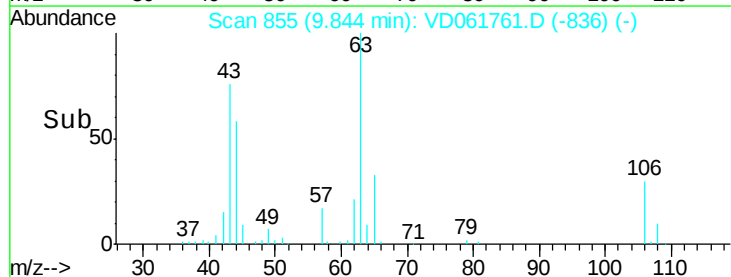
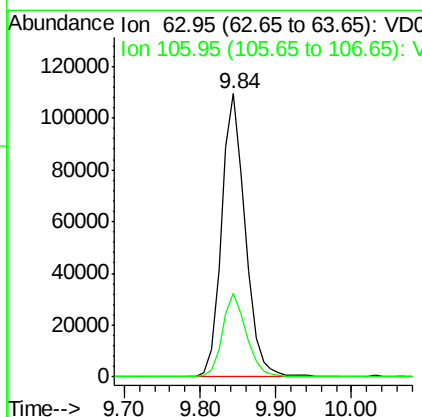
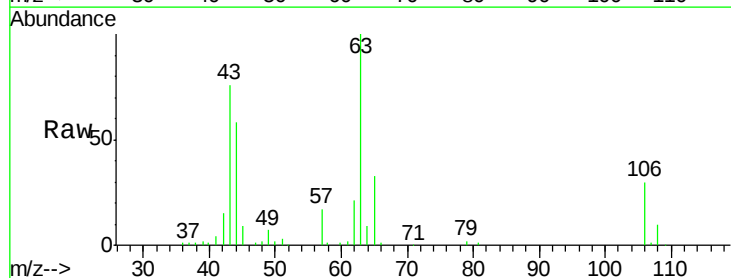
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0411SBSD02

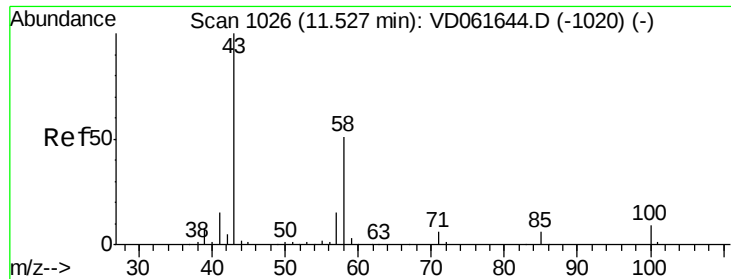
Tot Ion: 76 Resp: 131268
 Ion Ratio Lower Upper
 76 100
 78 35.1 24.5 36.7



#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

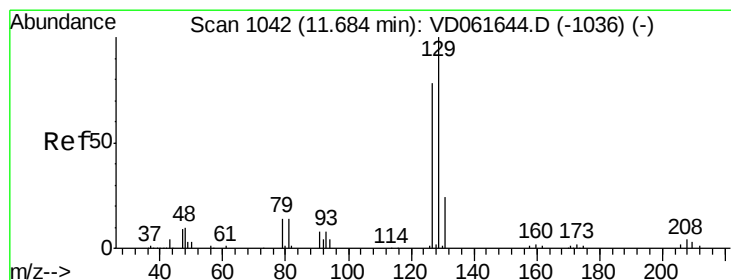
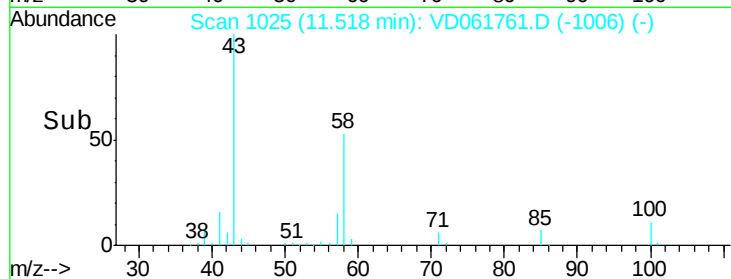
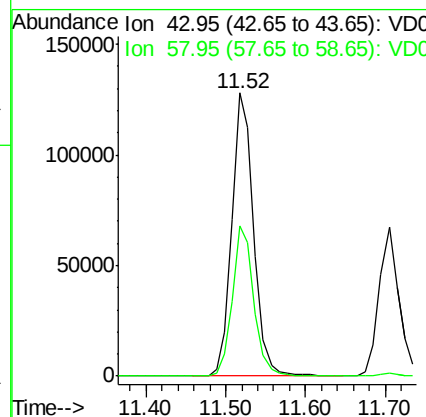
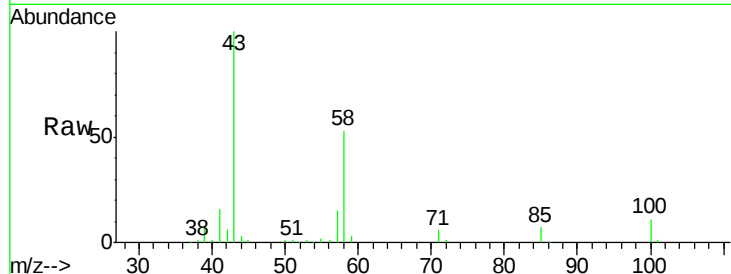




#59
 2-Hexanone
 Concen: 116.578 ug/l
 RT: 11.52 min Scan# 1025
 Delta R.T. -0.01 min
 Lab File: VD061761.D
 Acq: 12 Apr 2019 3:19

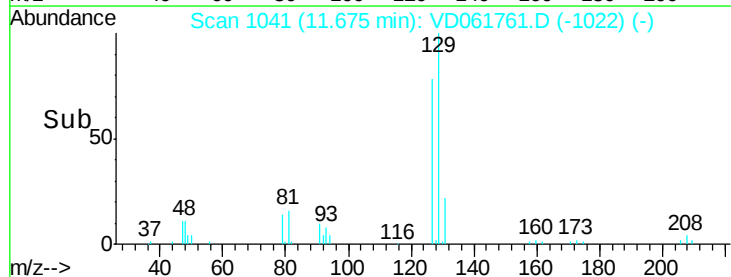
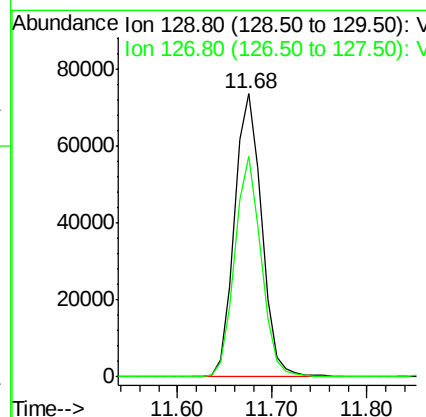
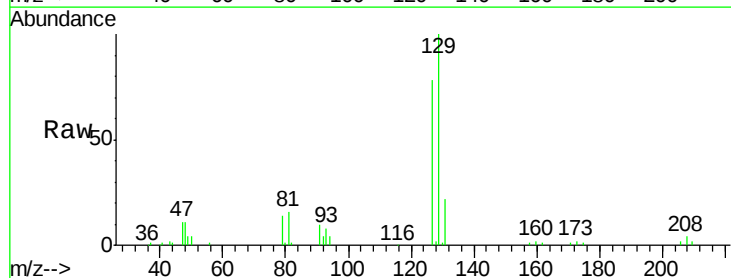
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0411SBSD02

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

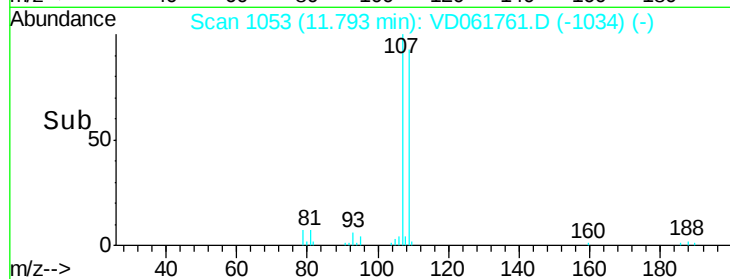
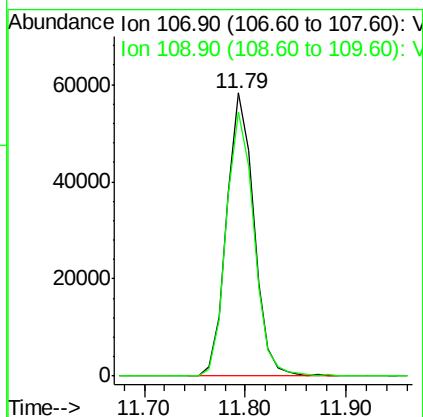
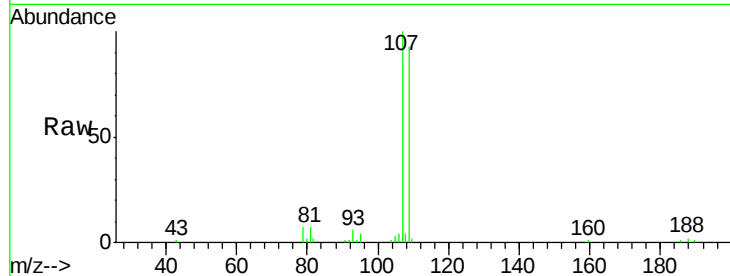




#61
 1,2-Dibromoethane
 Concen: 23.567 ug/l
 RT: 11.79 min Scan# 1053
 Delta R.T. -0.01 min
 Lab File: VD061761.D
 Acq: 12 Apr 2019 3:19

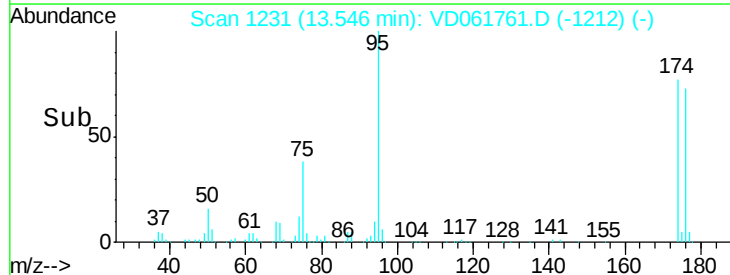
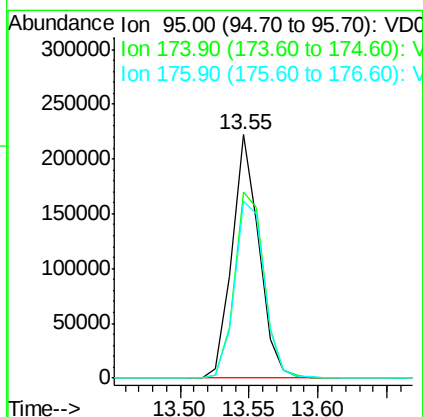
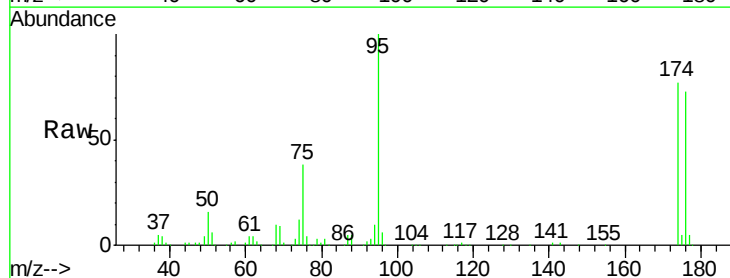
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0411SBSD02

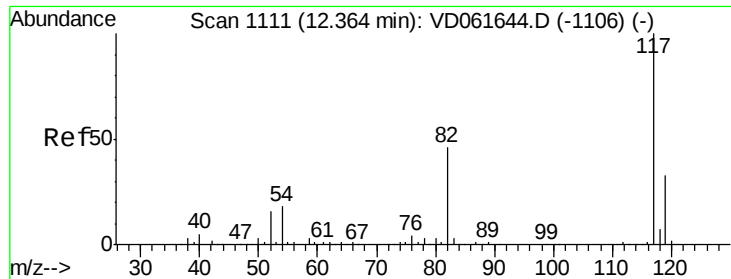
Tot Ion: 107 Resp: 108844
 Ion Ratio Lower Upper
 107 100
 109 93.3 79.2 118.8



#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

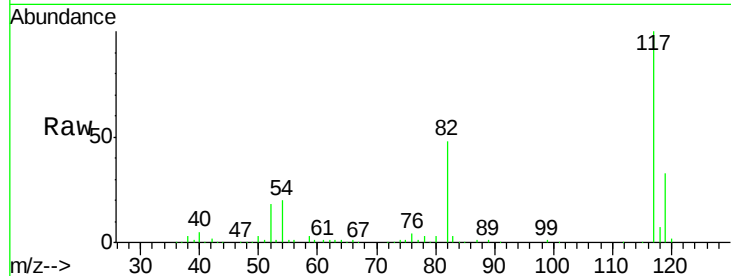




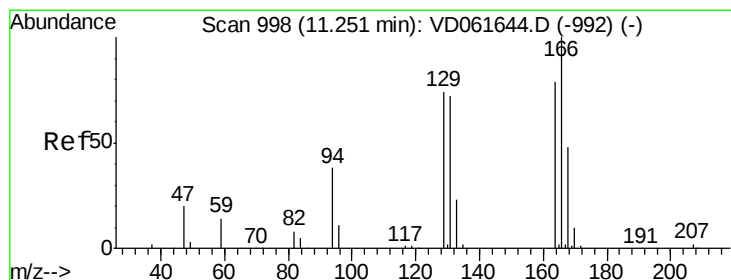
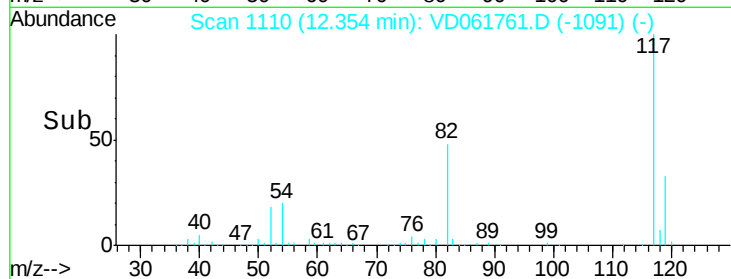
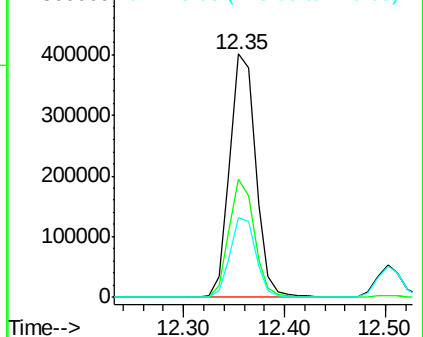
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.35 min Scan# 1110
Delta R.T. -0.01 min
Lab File: VD061761.D
Acq: 12 Apr 2019 3:19

Instrument :
MSVOA_D
ClientSampleId :
VD0411SBSD02

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

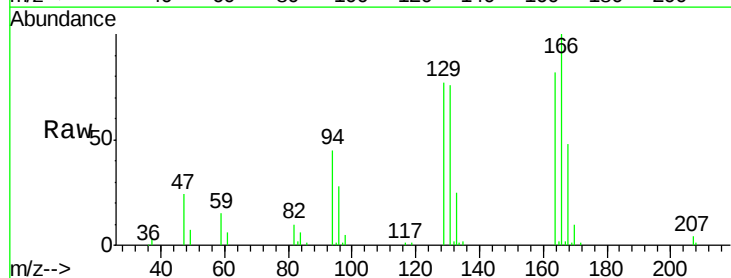


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

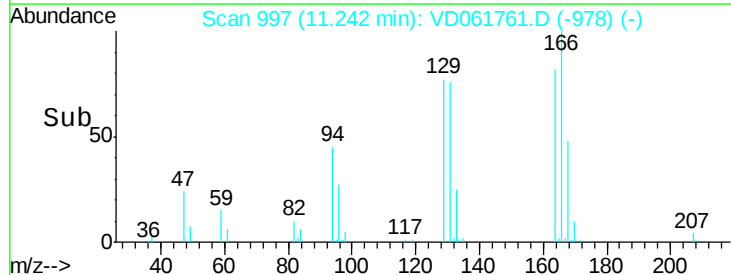
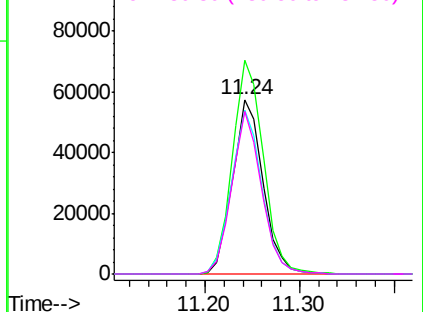


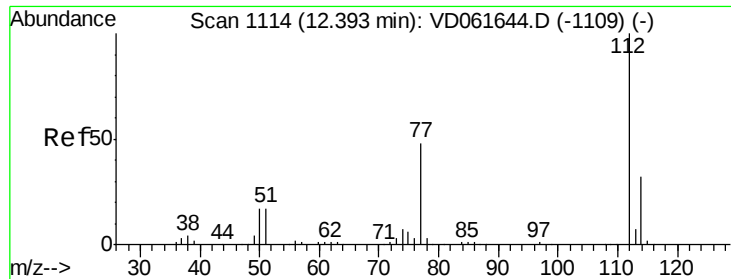
#64
Tetrachloroethene
Concen: 22.805 ug/l
RT: 11.24 min Scan# 997
Delta R.T. -0.01 min
Lab File: VD061761.D
Acq: 12 Apr 2019 3:19

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

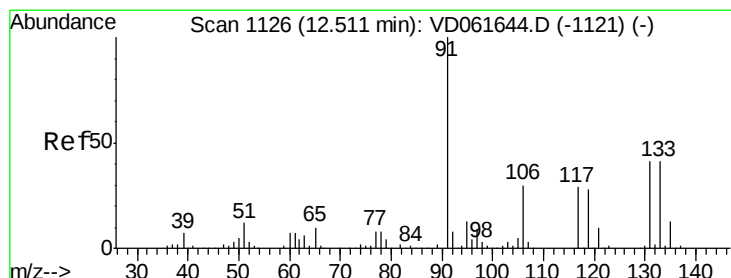
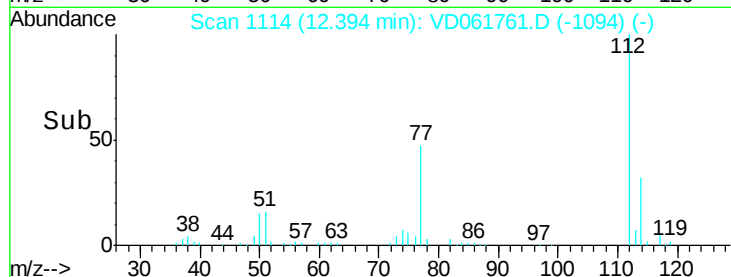
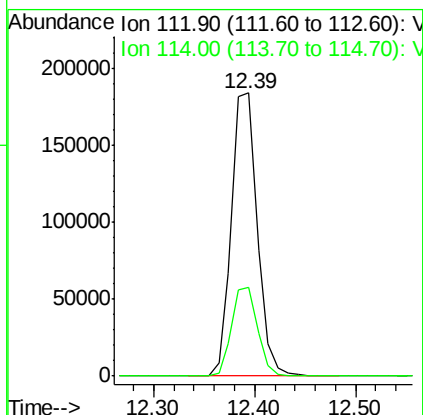
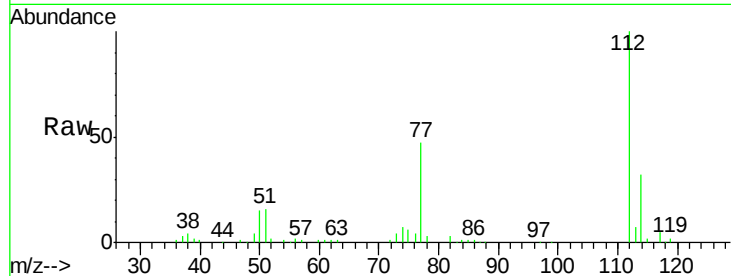




#65
Chlorobenzene
Concen: 22.870 ug/l
RT: 12.39 min Scan# 1114
Delta R.T. 0.00 min
Lab File: VD061761.D
Acq: 12 Apr 2019 3:19

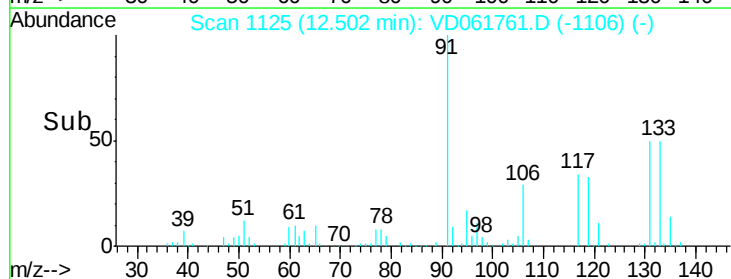
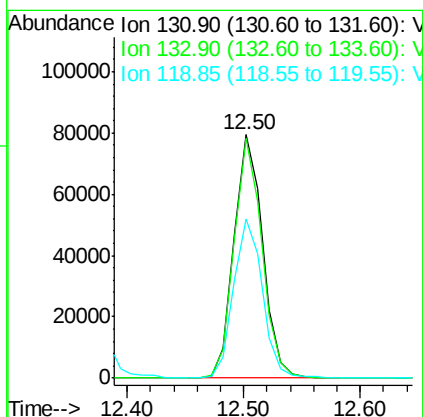
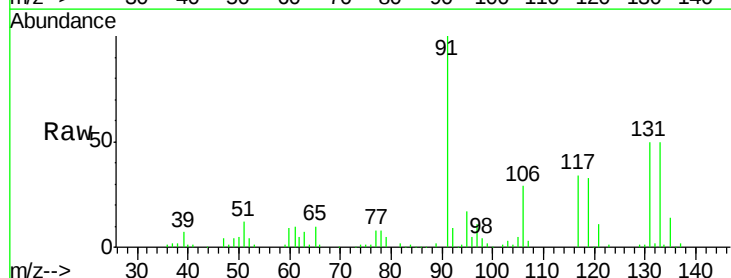
Instrument :
MSVOA_D
ClientSampleId :
VD0411SBSD02

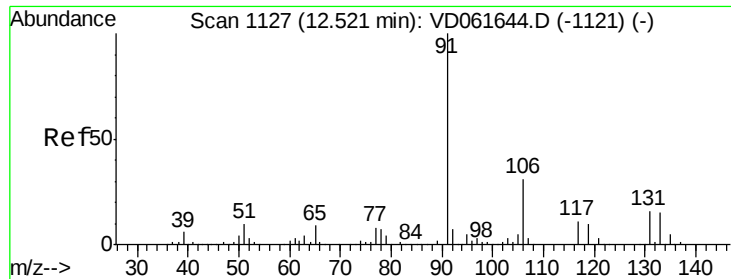
Tot Ion:112 Resp: 327003
Ion Ratio Lower Upper
112 100
114 31.6 25.6 38.4



#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

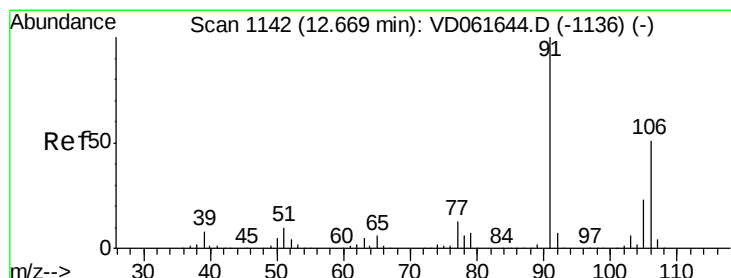
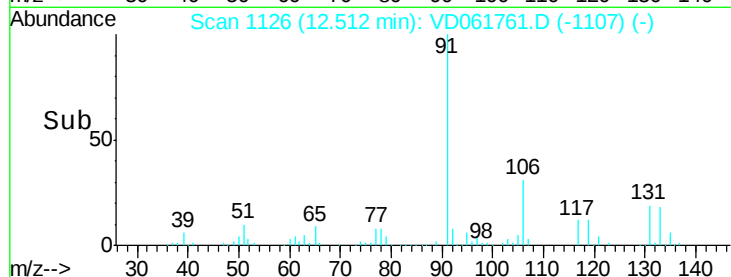
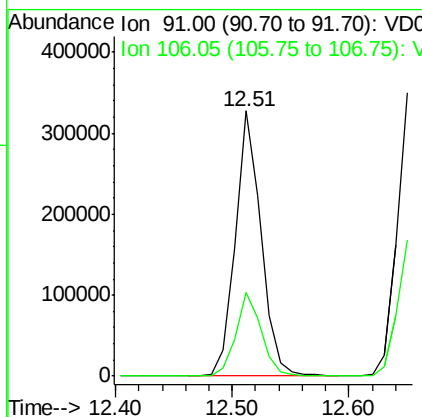
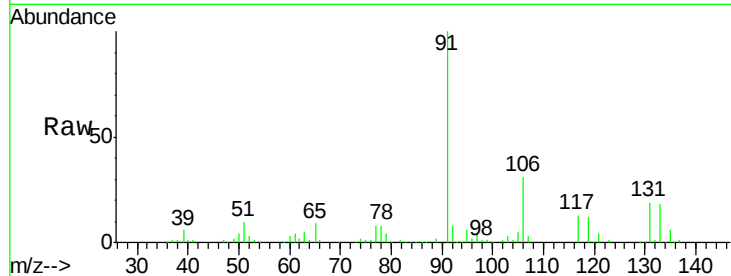




#67
Ethyl Benzene
Concen: 22.932 ug/l
RT: 12.51 min Scan# 1126
Delta R.T. -0.01 min
Lab File: VD061761.D
Acq: 12 Apr 2019 3:19

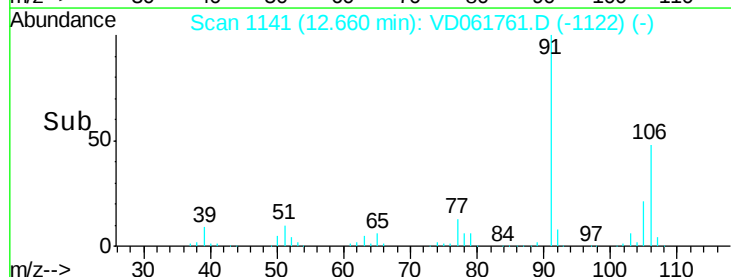
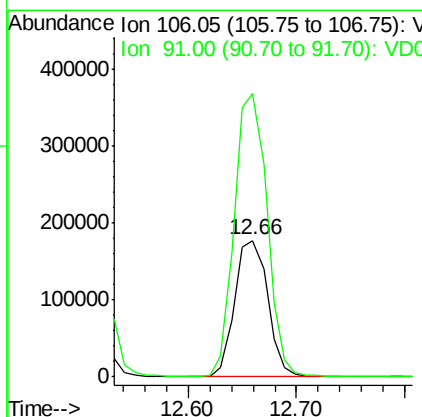
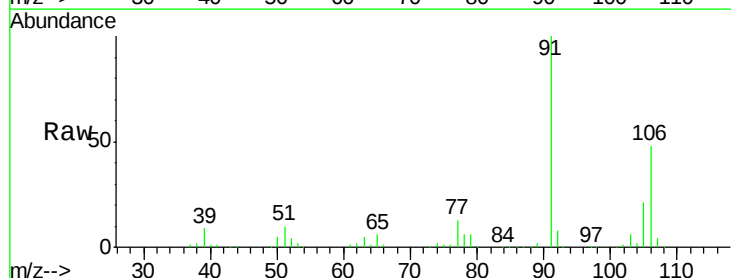
Instrument :
MSVOA_D
ClientSampleId :
VD0411SBSD02

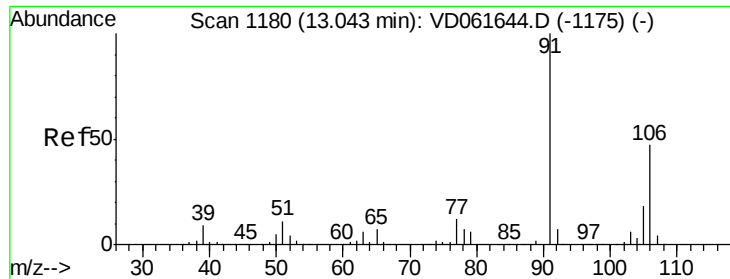
Tot Ion: 91 Resp: 499317
Ion Ratio Lower Upper
91 100
106 31.4 24.6 37.0



#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

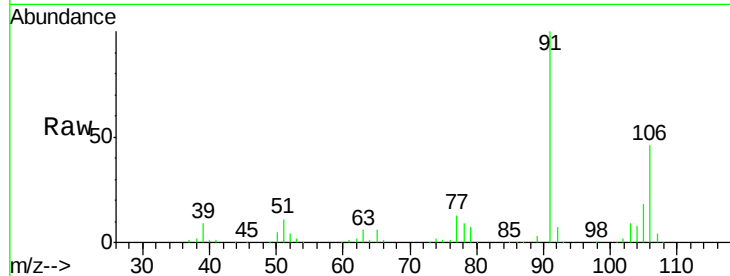




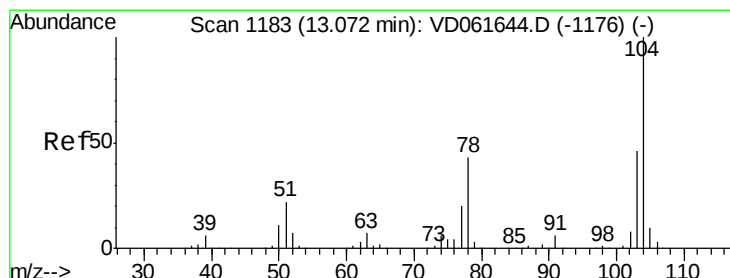
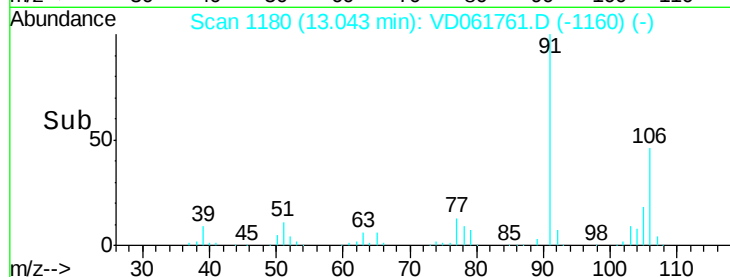
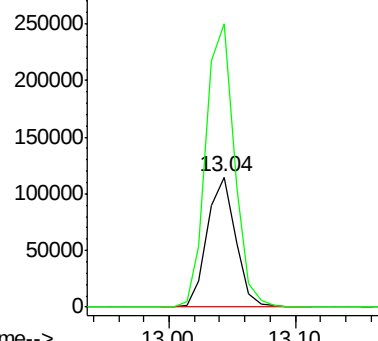
#69
o-Xylene
Concen: 22.050 ug/l
RT: 13.04 min Scan# 1180
Delta R.T. 0.00 min
Lab File: VD061761.D
Acq: 12 Apr 2019 3:19

Instrument :
MSVOA_D
ClientSampleId :
VD0411SBSD02

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

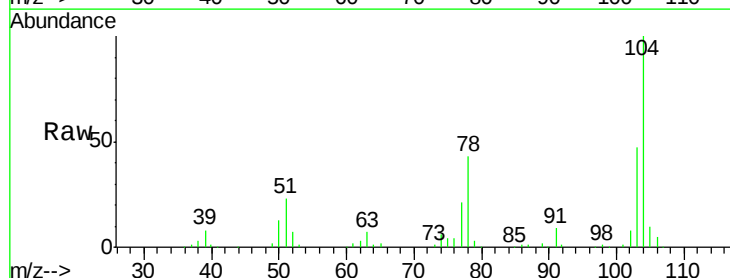


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): VDC

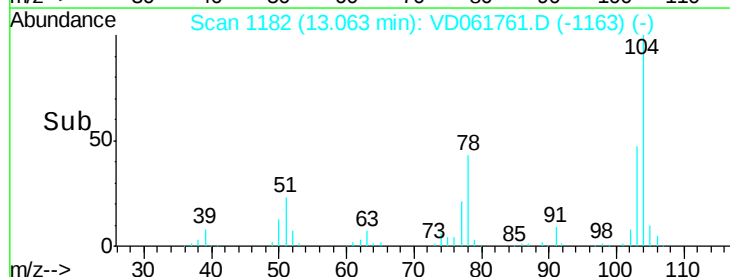
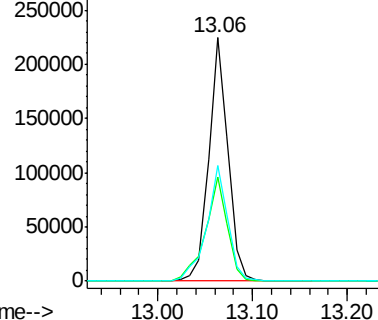


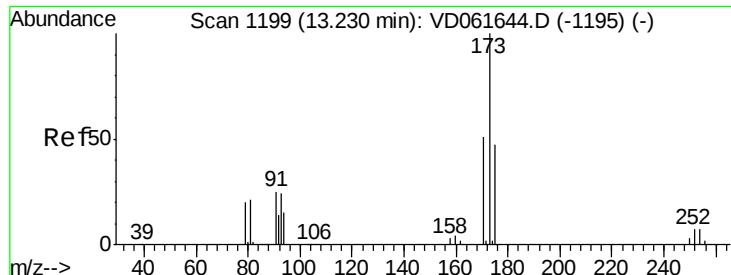
#70
Styrene
Concen: 22.830 ug/l
RT: 13.06 min Scan# 1182
Delta R.T. -0.01 min
Lab File: VD061761.D
Acq: 12 Apr 2019 3:19

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 :

VD0411SBSD02

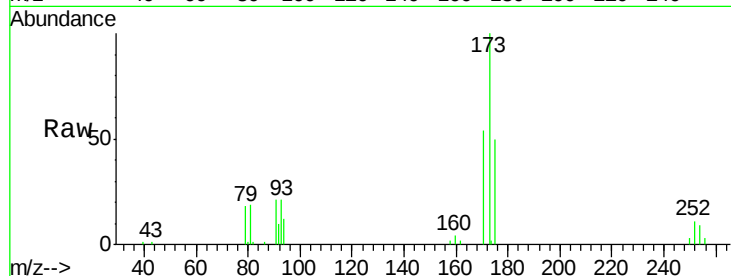
Tot Ion:173 Resp: 78928

Ion Ratio Lower Upper

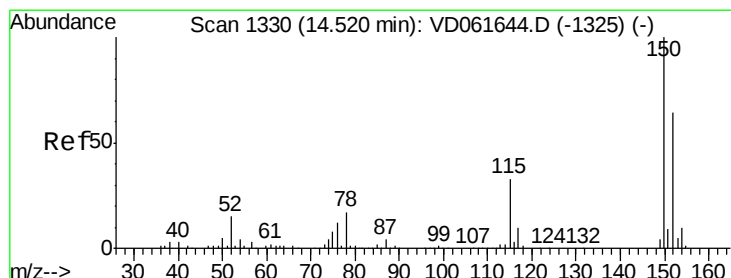
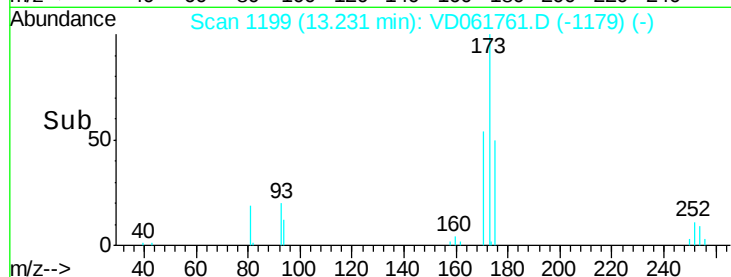
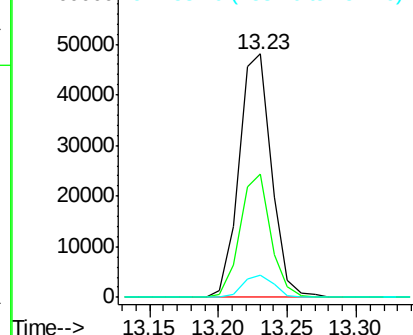
173 100

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

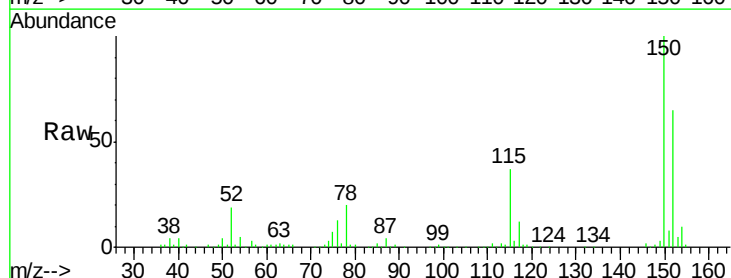
Tgt Ion:152 Resp: 335134

Ion Ratio Lower Upper

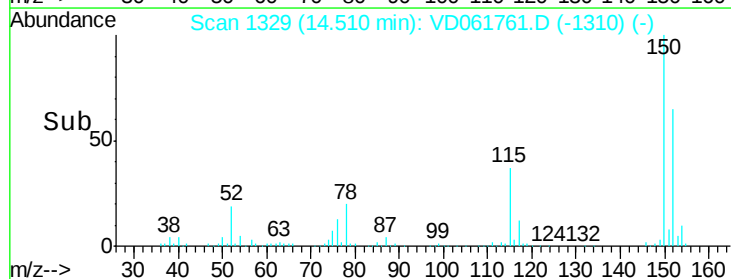
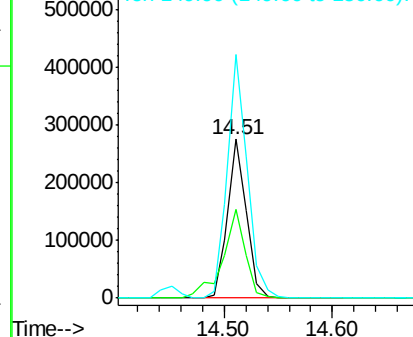
152 100

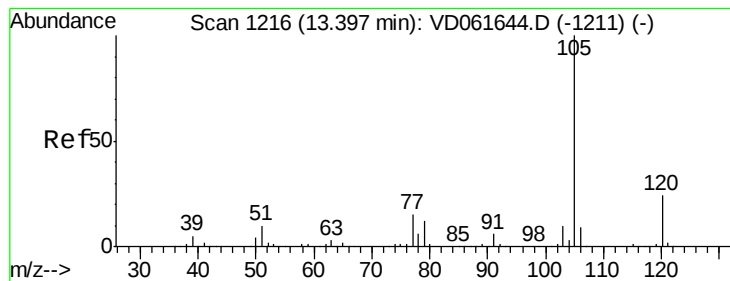
115 56.4 26.4 79.2

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 :

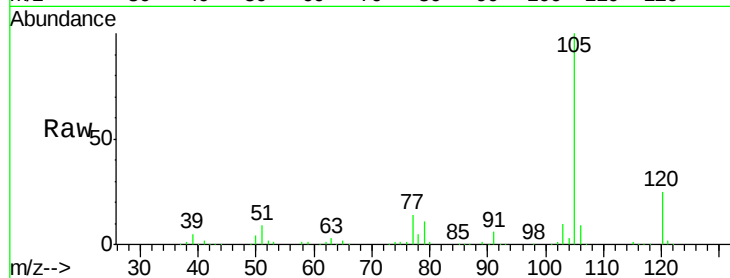
VD0411SBSD02

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

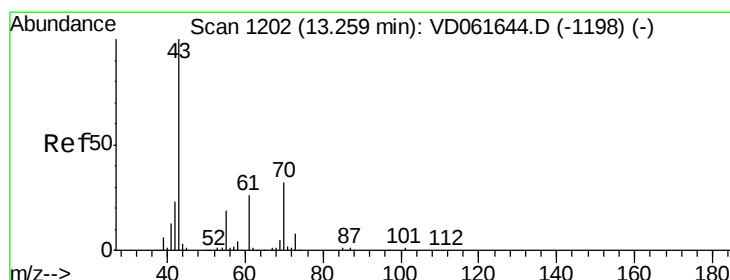
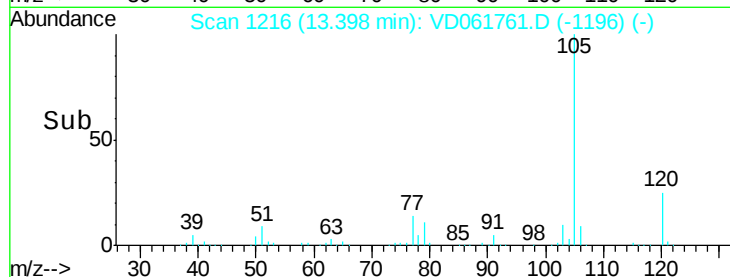
300000

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

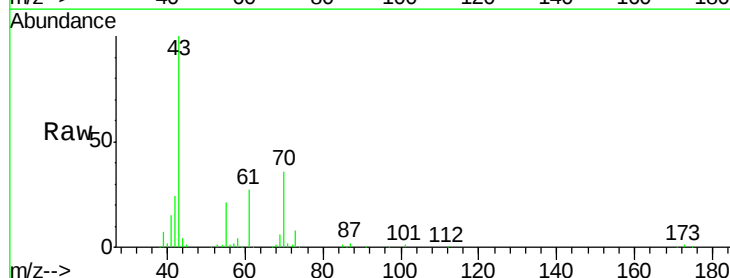
Ion Ratio Lower Upper

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

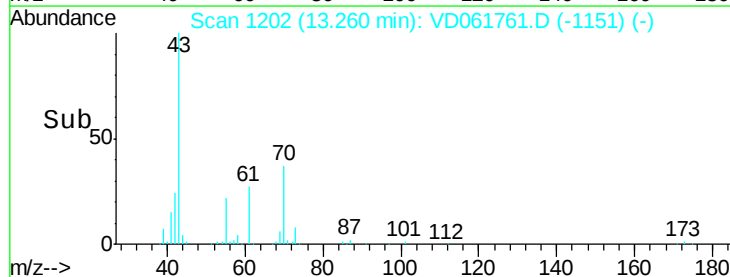
150000

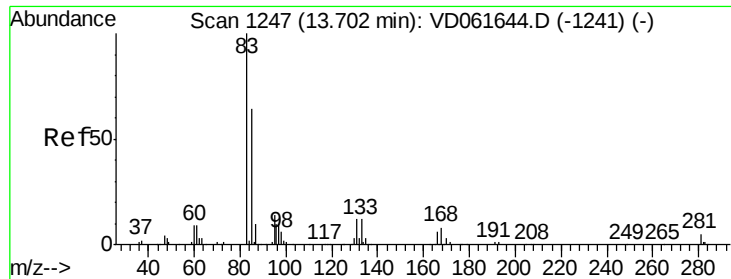
100000

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 :

VD0411SBS02

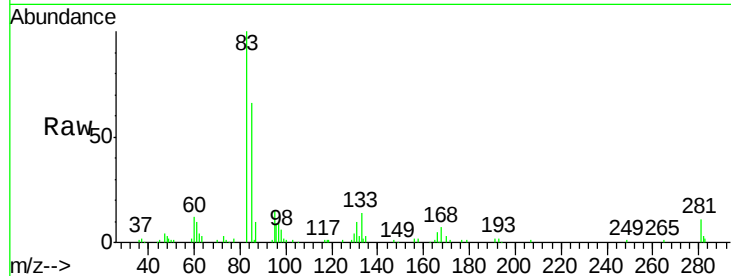
Tot Ion: 83 Resp: 102187

Ion Ratio Lower Upper

83 100

131 10.3 5.9 17.6

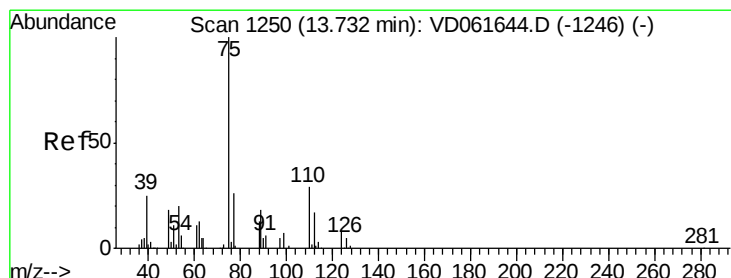
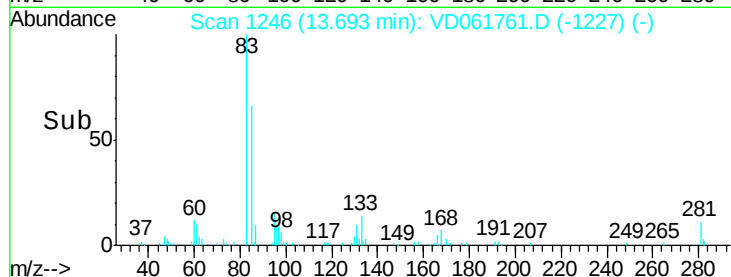
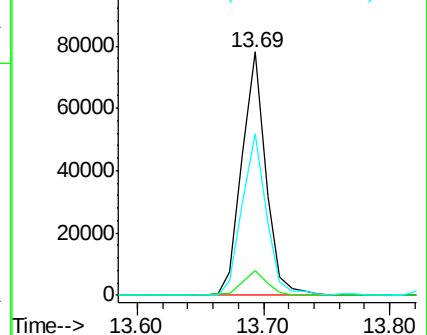
85 66.3 32.0 96.2



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

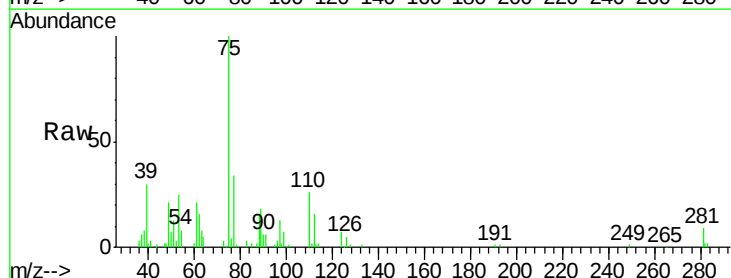
Acq: 12 Apr 2019 3:19

Tgt Ion: 75 Resp: 103743

Ion Ratio Lower Upper

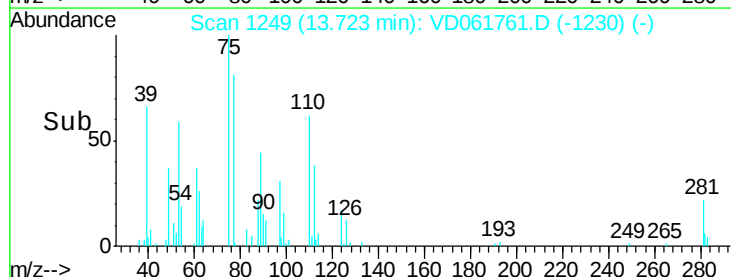
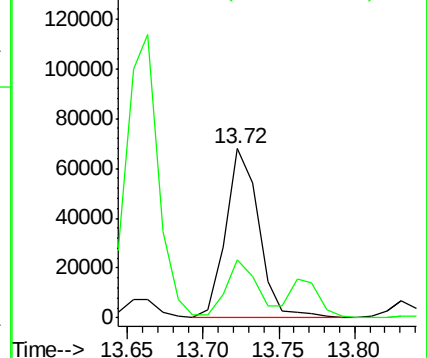
75 100

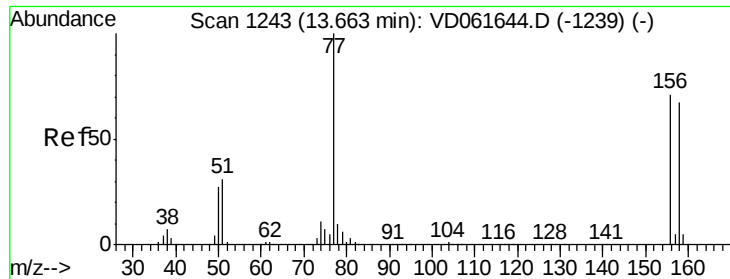
77 34.1 15.7 47.1



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 :

VD0411SBSD02

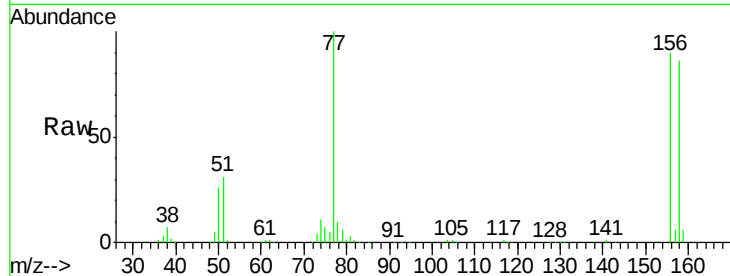
Tot Ion:156 Resp: 135953

Ion Ratio Lower Upper

156 100

77 111.7 70.3 210.8

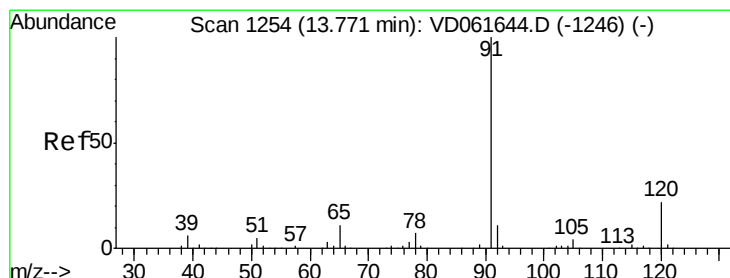
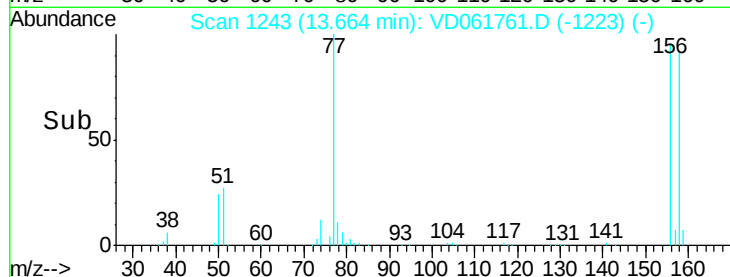
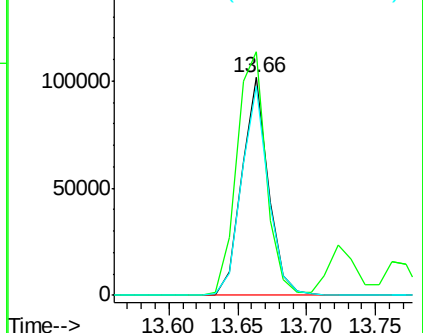
158 95.7 47.4 142.2



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

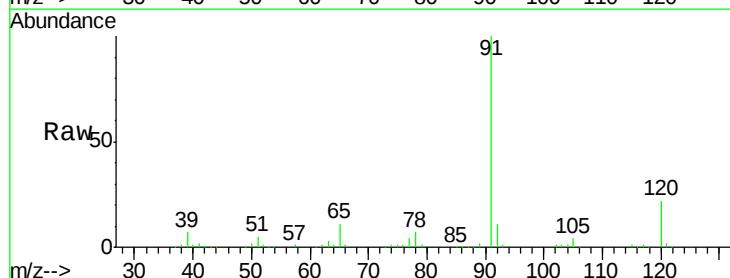
Acq: 12 Apr 2019 3:19

Tgt Ion: 91 Resp: 604438

Ion Ratio Lower Upper

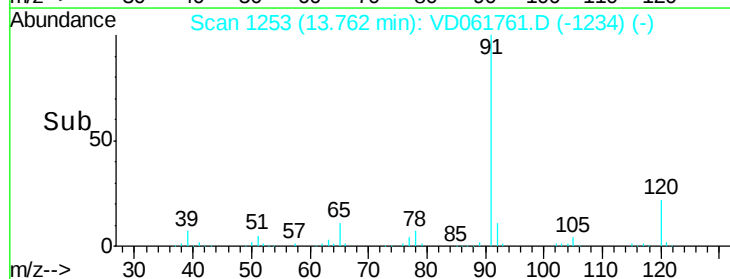
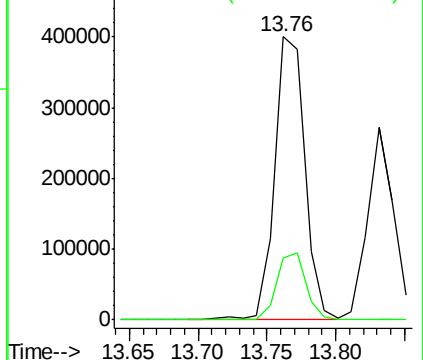
91 100

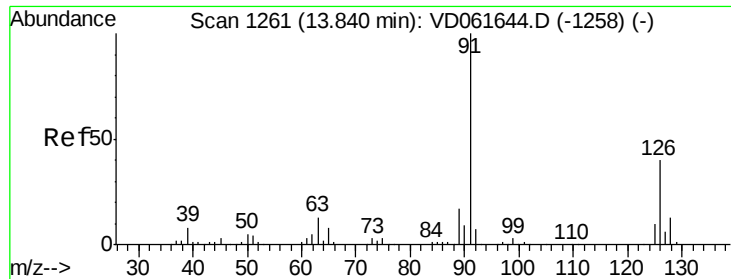
120 21.8 10.8 32.4



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V

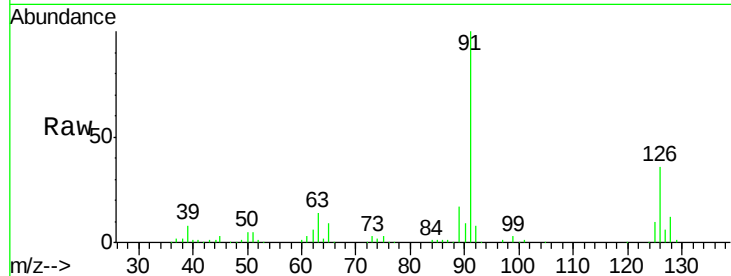




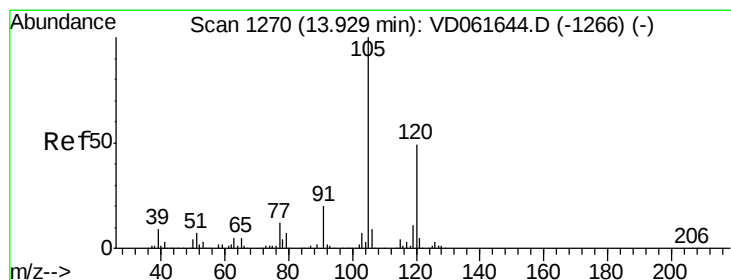
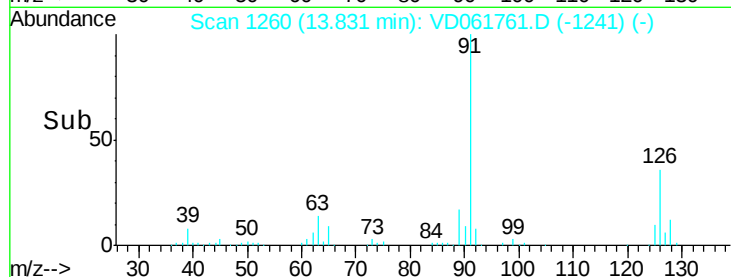
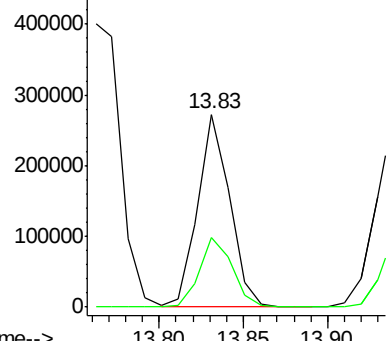
#79
 2-Chlorotoluene
 Concen: 23.551 ug/l
 RT: 13.83 min Scan# 1260
 Delta R.T. -0.01 min
 Lab File: VD061761.D
 Acq: 12 Apr 2019 3:19

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0411SBSD02

Tot Ion: 91 Resp: 359743
 Ion Ratio Lower Upper
 91 100
 126 36.3 20.0 59.9

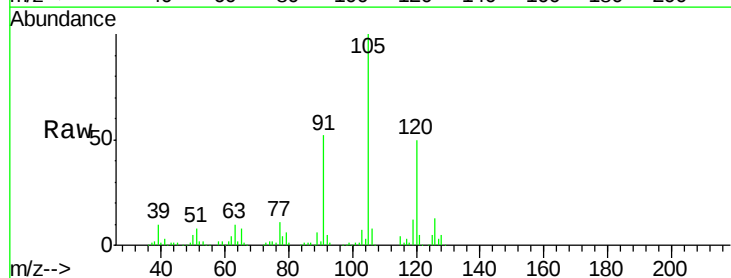


Abundance Ion 91.00 (90.70 to 91.70): V
 Ion 125.95 (125.65 to 126.65): V

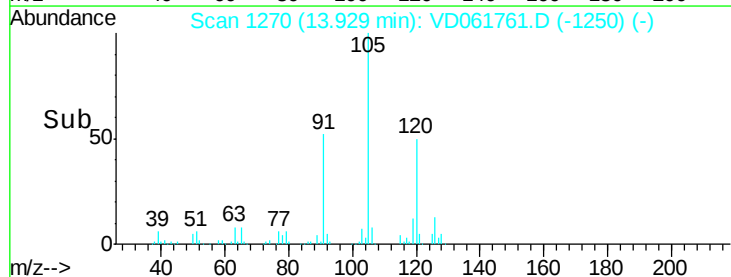
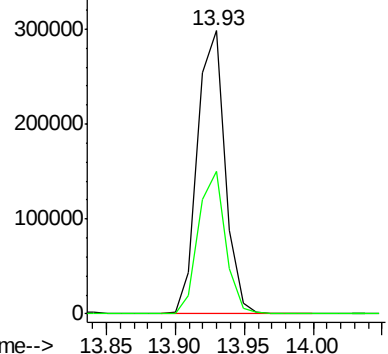


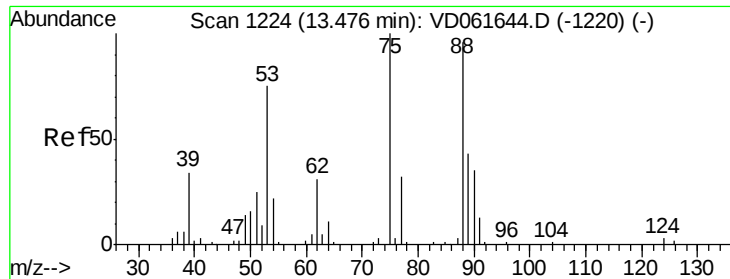
#80
 1,3,5-Trimethylbenzene
 Concen: 23.381 ug/l
 RT: 13.93 min Scan# 1270
 Delta R.T. 0.00 min
 Lab File: VD061761.D
 Acq: 12 Apr 2019 3:19

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

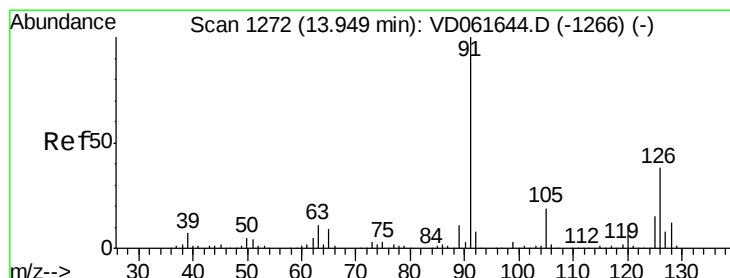
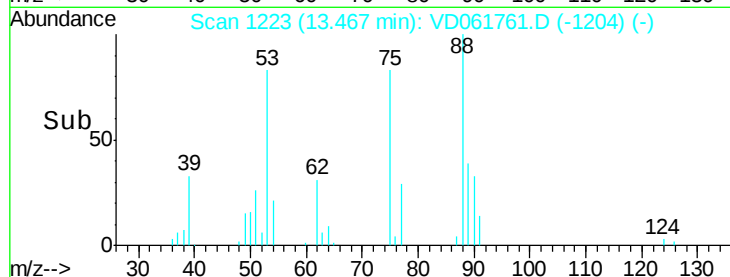
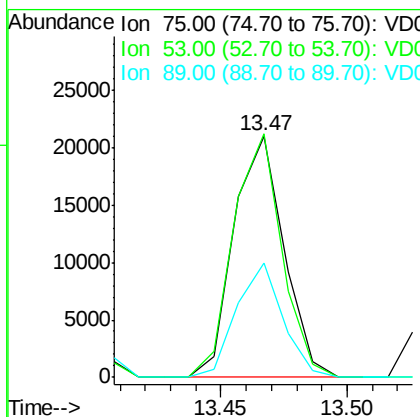
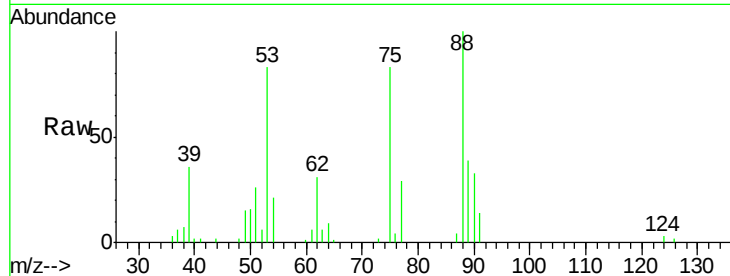




#81
trans-1,4-Dichloro-2-butene
Concen: 20.978 ug/l
RT: 13.47 min Scan# 1223
Delta R.T. -0.01 min
Lab File: VD061761.D
Acq: 12 Apr 2019 3:19

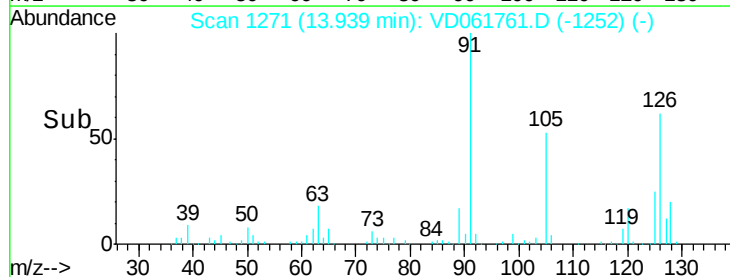
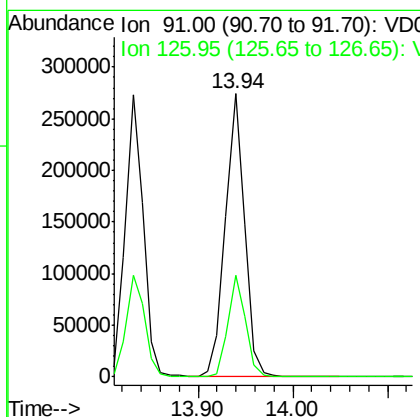
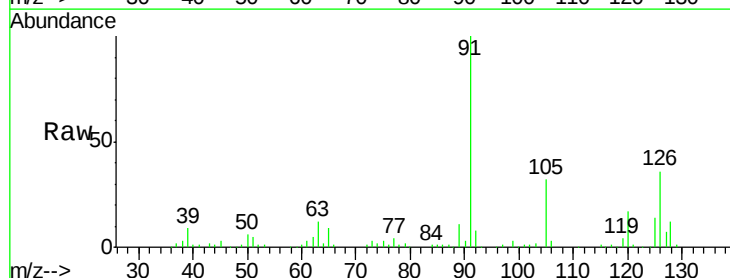
Instrument :
MSVOA_D
ClientSampleId :
VD0411SBSD02

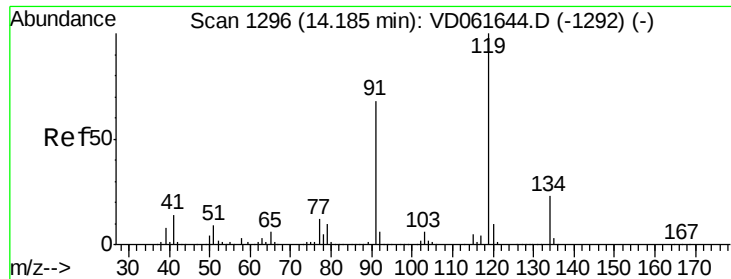
Tot Ion: 75 Resp: 29025
Ion Ratio Lower Upper
75 100
53 100.8 60.2 90.2#
89 47.5 34.2 51.2



#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

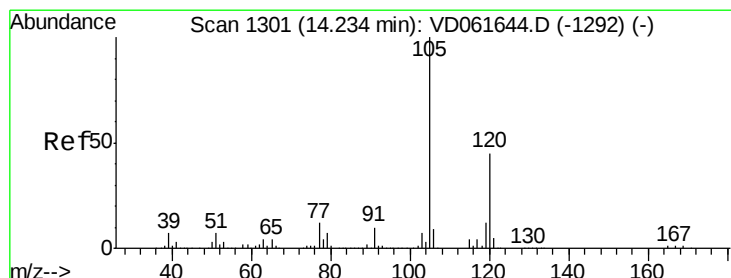
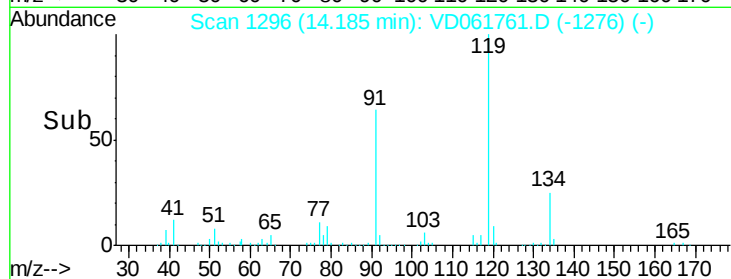
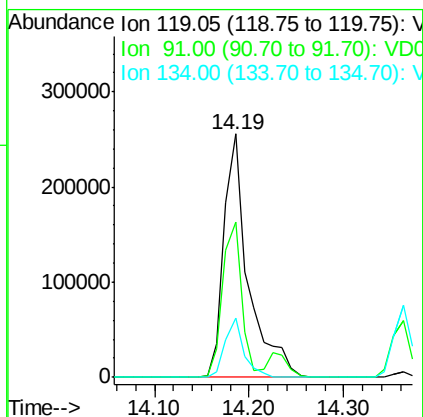
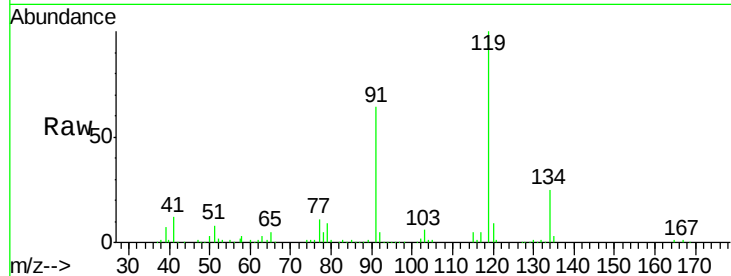




#83
 tert-Butylbenzene
 Concen: 21.355 ug/l
 RT: 14.19 min Scan# 1296
 Delta R.T. 0.00 min
 Lab File: VD061761.D
 Acq: 12 Apr 2019 3:19

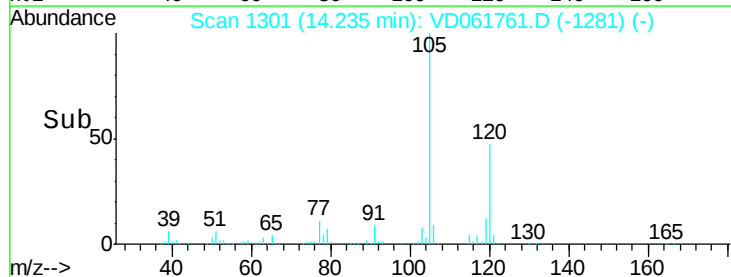
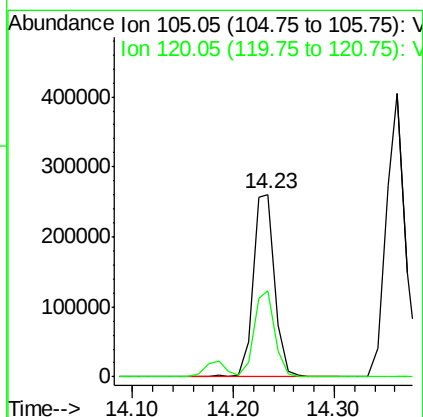
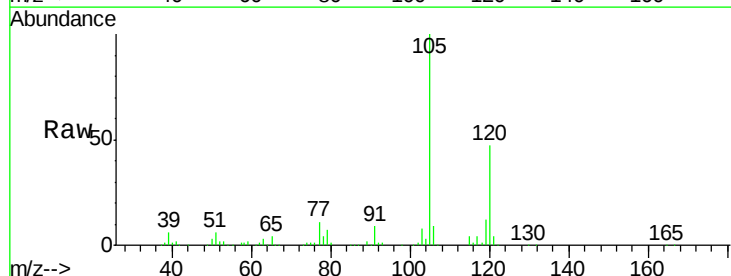
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0411SBSD02

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

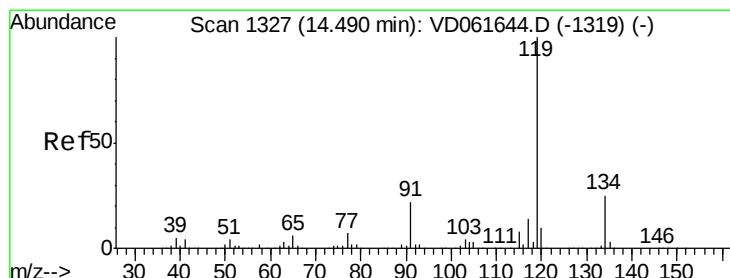
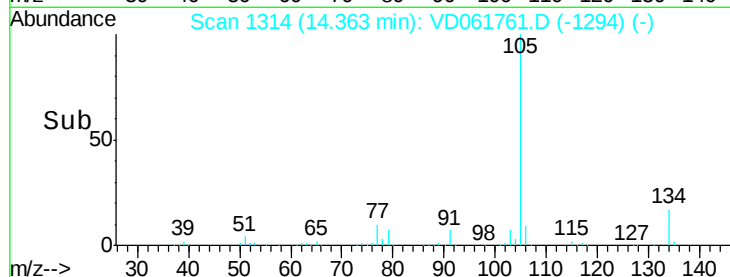
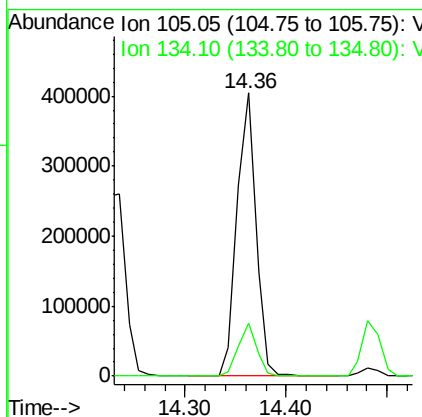
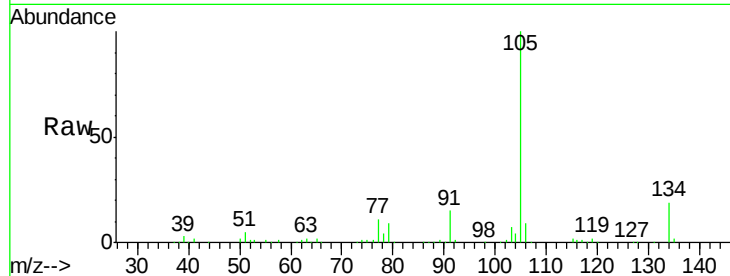




#85
 sec-Butylbenzene
 Concen: 22.833 ug/l
 RT: 14.36 min Scan# 1314
 Delta R.T. 0.00 min
 Lab File: VD061761.D
 Acq: 12 Apr 2019 3:19

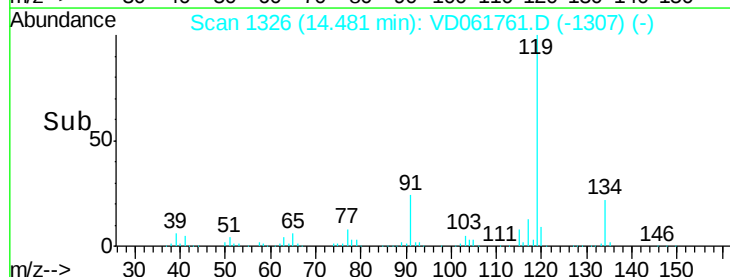
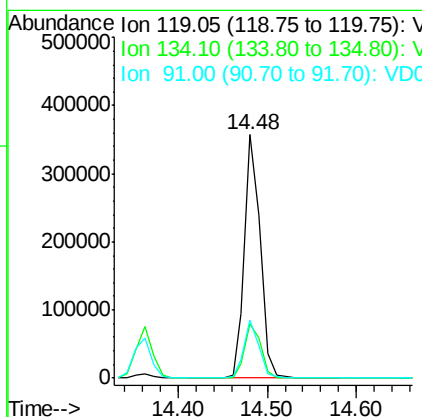
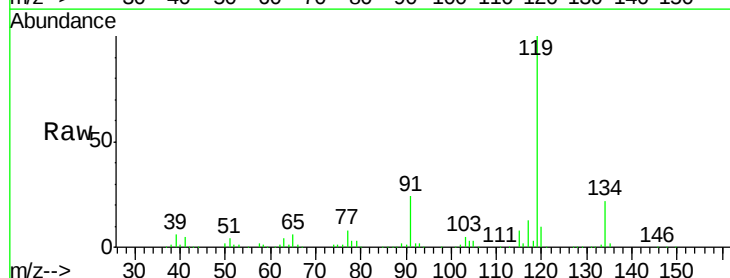
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0411SBSD02

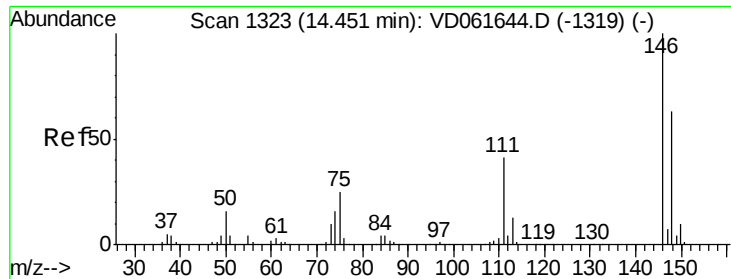
Tot Ion:105 Resp: 527171
 Ion Ratio Lower Upper
 105 100
 134 18.7 8.6 25.7



#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

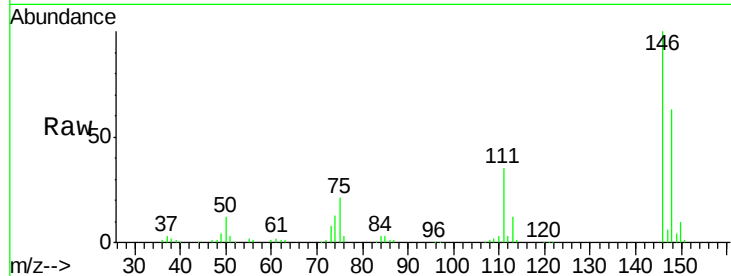




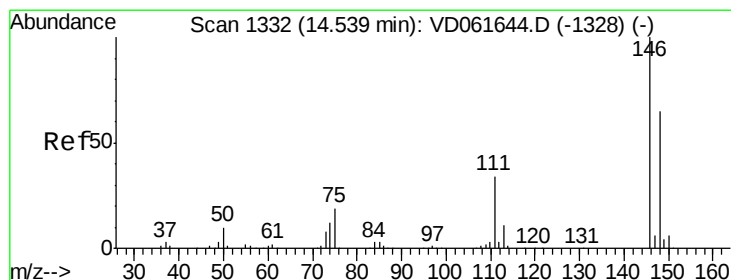
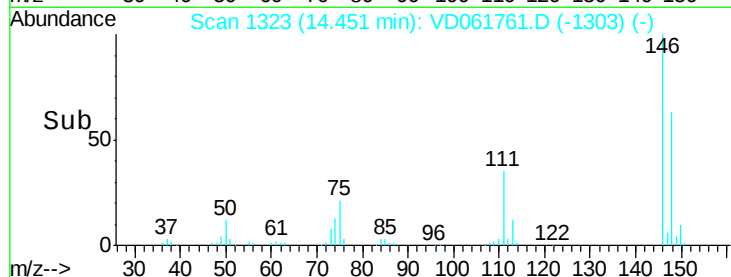
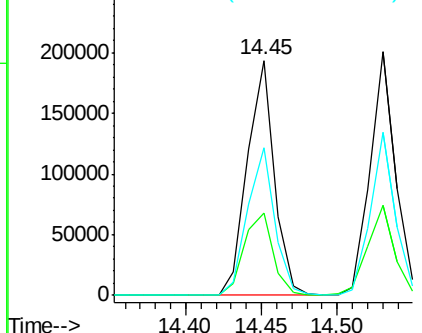
#87
 1,3-Dichlorobenzene
 Concen: 21.616 ug/l
 RT: 14.45 min Scan# 1323
 Delta R.T. 0.00 min
 Lab File: VD061761.D
 Acq: 12 Apr 2019 3:19

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0411SBSD02

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

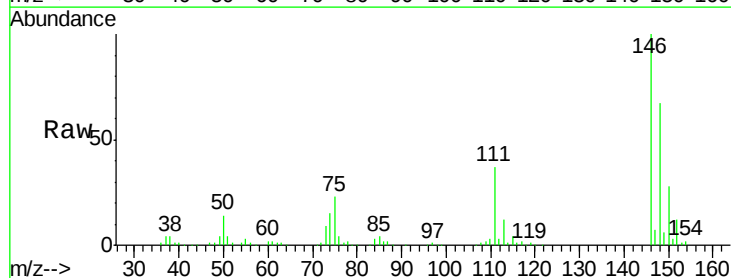


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

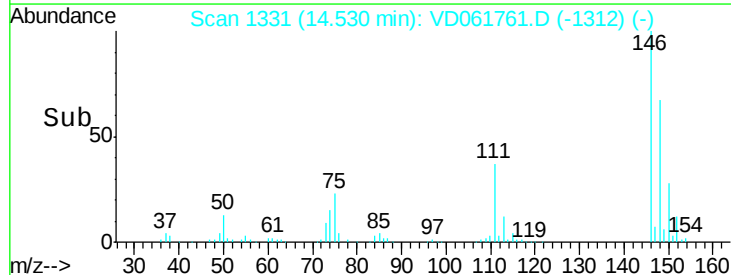
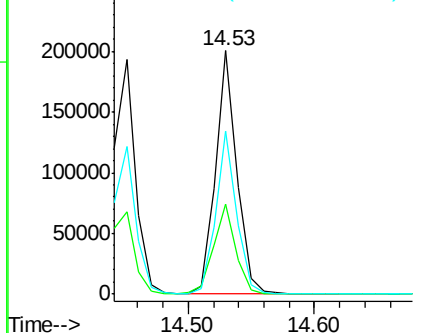


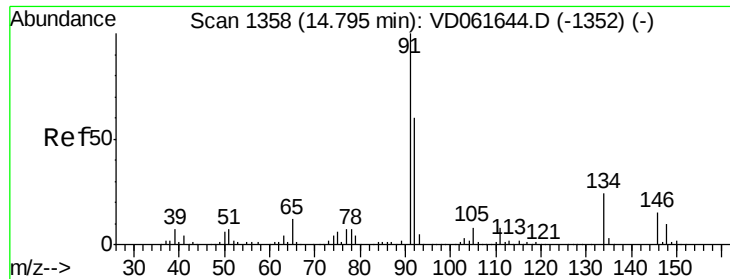
#88
 1,4-Dichlorobenzene
 Concen: 21.023 ug/l
 RT: 14.53 min Scan# 1331
 Delta R.T. -0.01 min
 Lab File: VD061761.D
 Acq: 12 Apr 2019 3:19

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



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

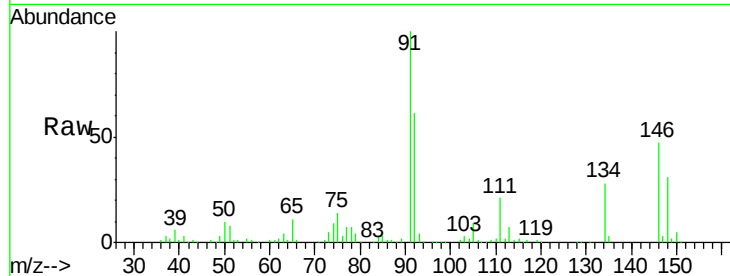




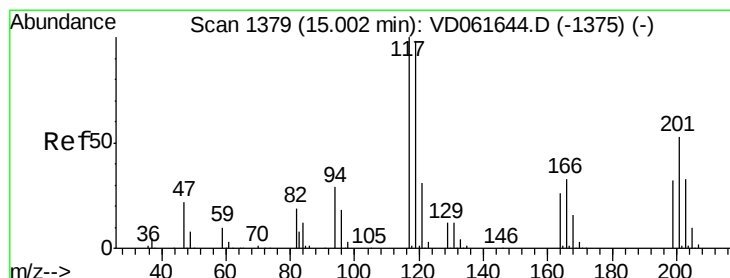
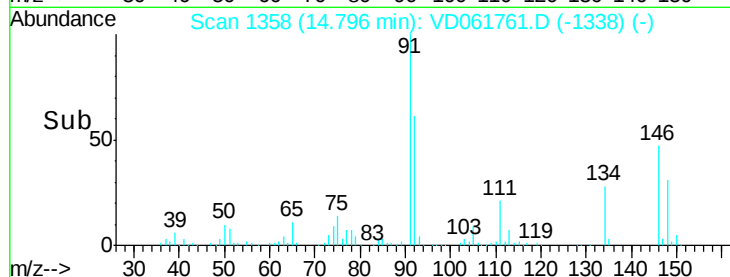
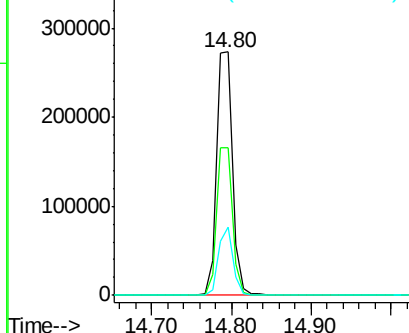
#89
n-Butylbenzene
Concen: 22.303 ug/l
RT: 14.80 min Scan# 1358
Delta R.T. 0.00 min
Lab File: VD061761.D
Acq: 12 Apr 2019 3:19

Instrument :
MSVOA_D
ClientSampleId :
VD0411SBSD02

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

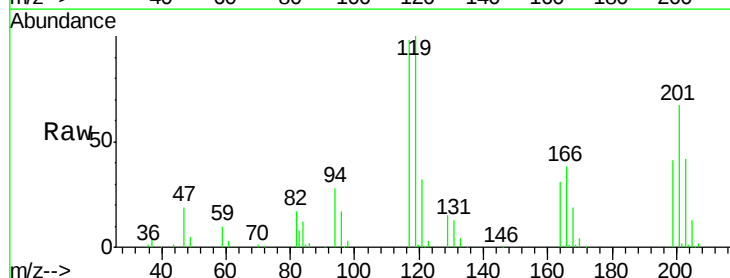


Abundance Ion 91.00 (90.70 to 91.70): VDC
Ion 92.00 (91.70 to 92.70): VDC
Ion 134.10 (133.80 to 134.80): V

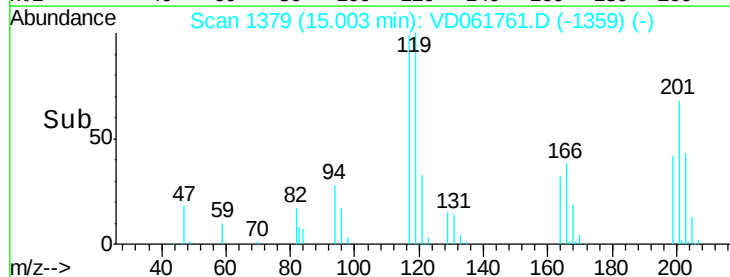
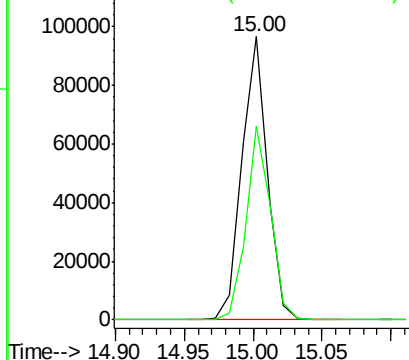


#90
Hexachloroethane
Concen: 22.883 ug/l
RT: 15.00 min Scan# 1379
Delta R.T. 0.00 min
Lab File: VD061761.D
Acq: 12 Apr 2019 3:19

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 :

VD0411SBSD02

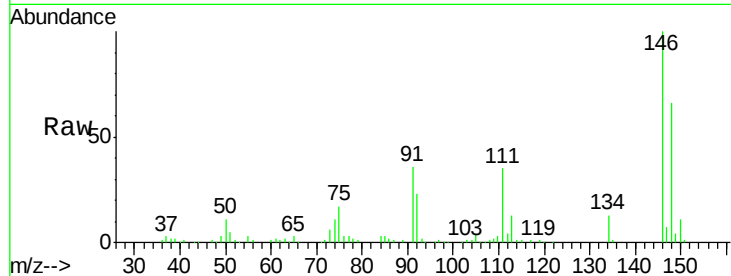
Tot Ion:146 Resp: 212611

Ion Ratio Lower Upper

146 100

111 35.5 21.1 63.3

148 65.6 31.7 95.1

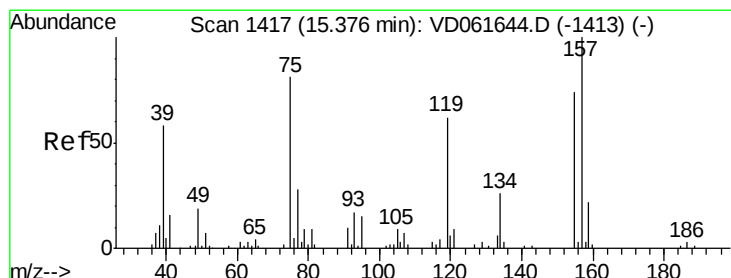
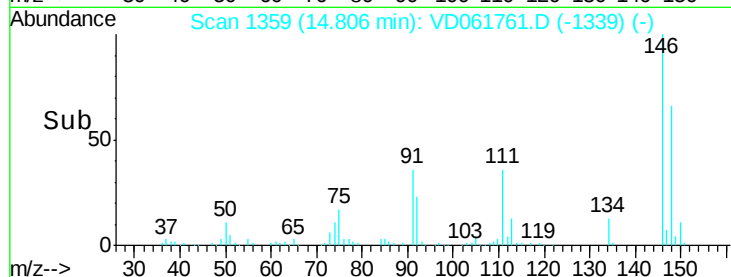
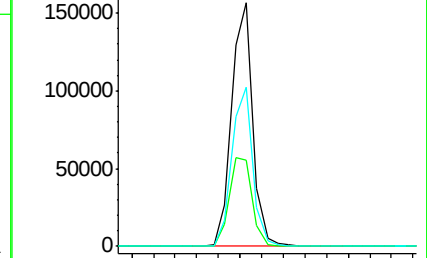


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

14.81



#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

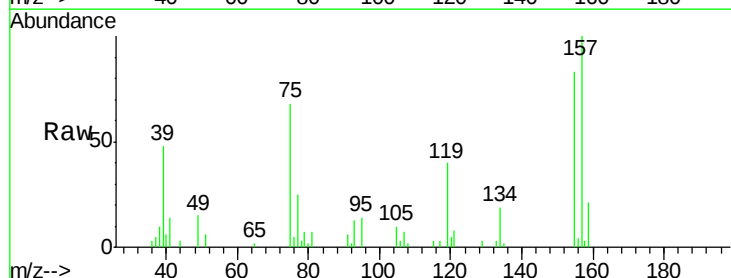
Tgt Ion: 75 Resp: 14066

Ion Ratio Lower Upper

75 100

155 122.1 45.6 136.7

157 146.7 61.4 184.2

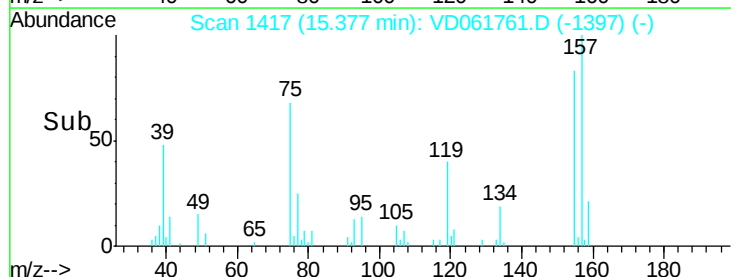
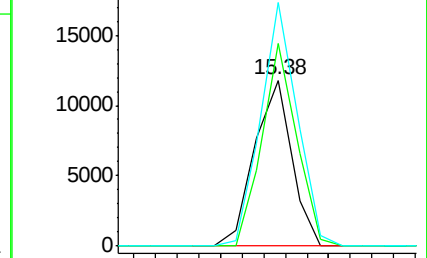


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 154.90 (154.60 to 155.60): V

Ion 156.85 (156.55 to 157.55): V

15.38

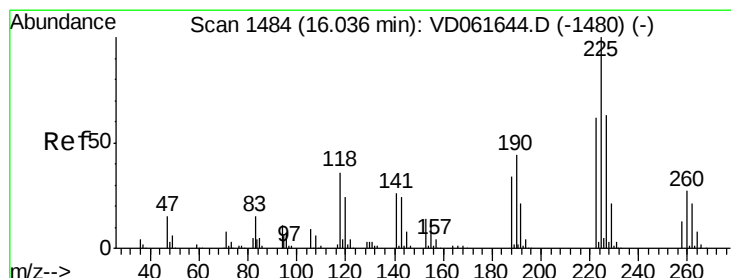
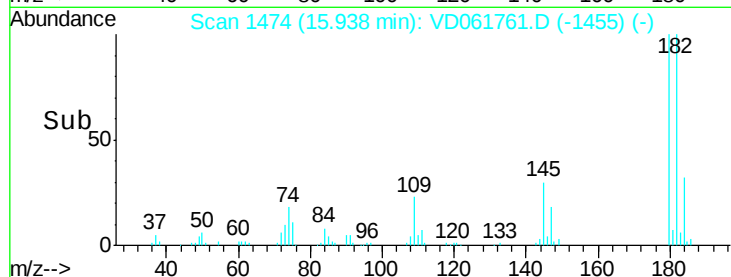
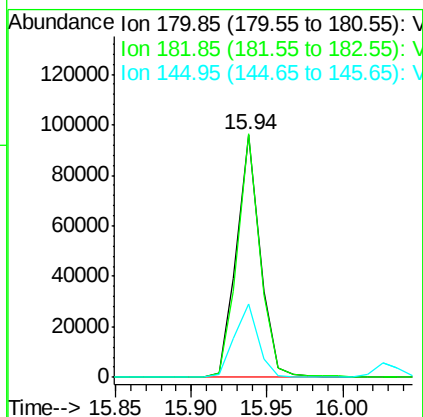
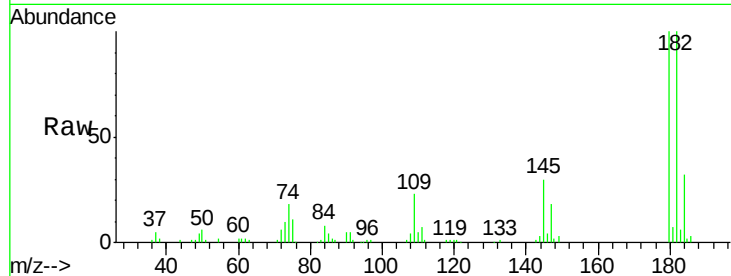




#93
 1,2,4-Trichlorobenzene
 Concen: 22.317 ug/l
 RT: 15.94 min Scan# 1474
 Delta R.T. -0.01 min
 Lab File: VD061761.D
 Acq: 12 Apr 2019 3:19

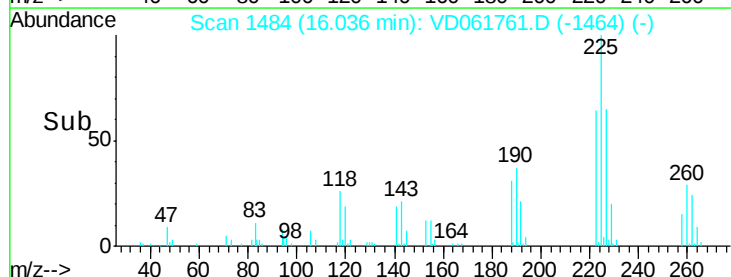
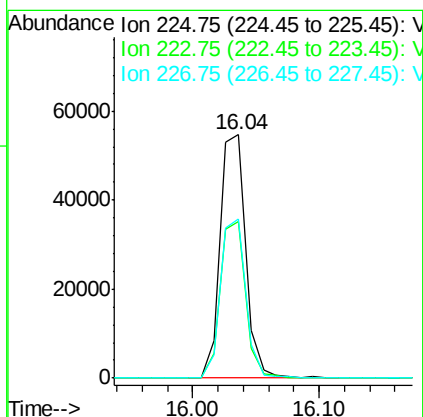
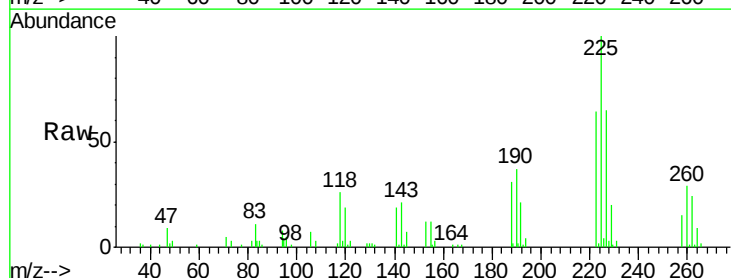
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0411SBS02

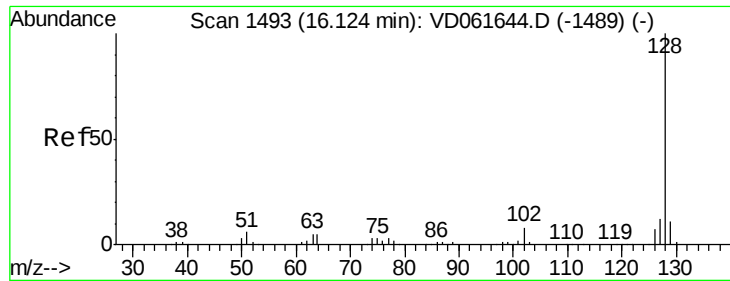
Tot Ion:180 Resp: 104533
 Ion Ratio Lower Upper
 180 100
 182 100.2 47.8 143.3
 145 30.1 13.3 39.8



#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

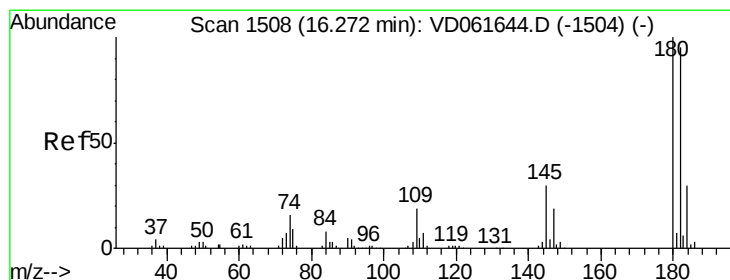
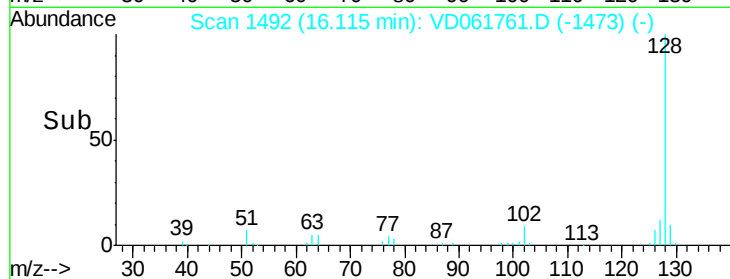
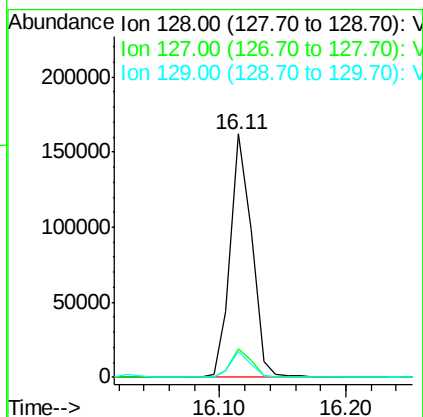
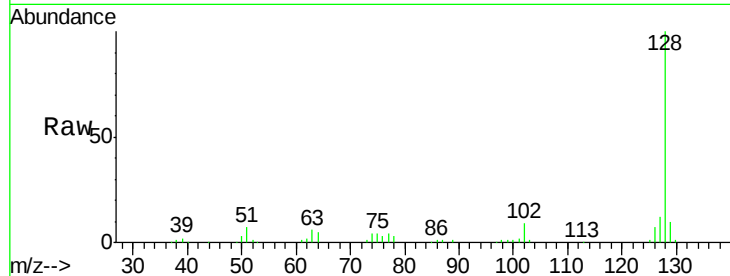




#95
Naphthalene
Concen: 25.646 ug/l
RT: 16.11 min Scan# 1492
Delta R.T. -0.01 min
Lab File: VD061761.D
Acq: 12 Apr 2019 3:19

Instrument :
MSVOA_D
ClientSampleId :
VD0411SBSD02

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



#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

