

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD032919\
 Data File : VD061422.D
 Acq On : 29 Mar 2019 11:18
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Mar 29 22:35:11 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D032719S.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 28 09:22:37 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.05	168	737045	50.00	ug/l	0.03
34) 1,4-Difluorobenzene	8.22	114	1189249	50.00	ug/l	0.03
63) Chlorobenzene-d5	12.37	117	979655	50.00	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	14.52	152	447722	50.00	ug/l	0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.47	65	320232	50.86	ug/l	0.03
Spiked Amount			Recovery	=	101.72%	
35) Dibromofluoromethane	6.93	113	478236	52.62	ug/l	0.03
Spiked Amount			Recovery	=	105.24%	
50) Toluene-d8	10.42	98	1168512	53.61	ug/l	0.03
Spiked Amount			Recovery	=	107.22%	
62) 4-Bromofluorobenzene	13.56	95	427760	51.18	ug/l	0.01
Spiked Amount			Recovery	=	102.36%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.59	85	400302	50.856	ug/l	99
3) Chloromethane	1.77	50	302350	47.099	ug/l	98
4) Vinyl Chloride	1.86	62	283905	48.167	ug/l	99
5) Bromomethane	2.17	94	71562	61.226	ug/l	96
6) Chloroethane	2.29	64	102644	59.383	ug/l	99
7) Trichlorofluoromethane	2.54	101	447822	52.248	ug/l	100
8) Diethyl Ether	2.89	74	129899	47.072	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	3.17	101	456193	49.508	ug/l	96
10) Methyl Iodide	3.32	142	662493	47.480	ug/l	98
11) Tert butyl alcohol	4.07	59	91854	234.260	ug/l	96
12) 1,1-Dichloroethene	3.14	96	393579	49.750	ug/l	97
13) Acrolein	3.05	56	77516	260.424	ug/l	95
14) Allyl chloride	3.64	41	566654	51.354	ug/l	98
15) Acrylonitrile	4.21	53	338497	248.728	ug/l	95
16) Acetone	3.23	43	455103	281.184	ug/l	97
17) Carbon Disulfide	3.39	76	1183683	46.051	ug/l	99
18) Methyl Acetate	3.66	43	161066	47.330	ug/l	97
19) Methyl tert-butyl Ether	4.25	73	663172	48.427	ug/l	99
20) Methylene Chloride	3.83	84	423214	46.544	ug/l	95
21) trans-1,2-Dichloroethene	4.24	96	426505	49.935	ug/l	98
22) Diisopropyl ether	5.13	45	1128413	48.326	ug/l	99
23) Vinyl Acetate	5.07	43	3016948	237.860	ug/l	99
24) 1,1-Dichloroethane	4.99	63	677547	49.374	ug/l	99
25) 2-Butanone	6.08	43	489219	240.289	ug/l	98
26) 2,2-Dichloropropane	6.04	77	542781	49.757	ug/l	98
27) cis-1,2-Dichloroethene	6.06	96	439600	46.976	ug/l	98
28) Bromochloromethane	6.45	49	277284	50.057	ug/l #	97
29) Tetrahydrofuran	6.46	42	233873	236.997	ug/l	99
30) Chloroform	6.68	83	739238	52.135	ug/l	99
31) Cyclohexane	6.97	56	520424	47.991	ug/l	99
32) 1,1,1-Trichloroethane	6.89	97	626771	50.105	ug/l	94
36) 1,1-Dichloropropene	7.16	75	524569	50.539	ug/l	98
37) Ethyl Acetate	6.20	43	237315	53.461	ug/l	98
38) Carbon Tetrachloride	7.12	117	675685	56.652	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.87	83	561920	51.981	ug/l	97
40) Benzene	7.47	78	1341146	51.484	ug/l	96
41) Methacrylonitrile	6.46	41	269055	51.838	ug/l #	94
42) 1,2-Dichloroethane	7.58	62	400104	51.347	ug/l	100
43) Isopropyl Acetate	9.25	43	324576	50.254	ug/l #	99
44) Trichloroethene	8.55	130	503829	51.972	ug/l	99
45) 1,2-Dichloropropane	8.94	63	305858	46.304	ug/l	96
46) Dibromomethane	9.07	93	230926	51.941	ug/l	94
47) Bromodichloromethane	9.39	83	544910	54.607	ug/l	95
48) Methyl methacrylate	9.13	41	171788	48.194	ug/l	99
49) 1,4-Dioxane	9.08	88	38942	990.485	ug/l	98
51) 4-Methyl-2-Pentanone	10.31	43	1003649	255.418	ug/l	98
52) Toluene	10.52	92	739278	46.518	ug/l	99
53) t-1,3-Dichloropropene	10.92	75	440650	48.604	ug/l	100
54) cis-1,3-Dichloropropene	10.05	75	580096	52.547	ug/l	100
55) 1,1,2-Trichloroethane	11.20	97	279073	50.212	ug/l	99
56) Ethyl methacrylate	11.05	69	295943	49.566	ug/l	100
57) 1,3-Dichloropropane	11.41	76	391589	47.936	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.87	63	703466	241.935	ug/l	97
59) 2-Hexanone	11.53	43	721992	253.598	ug/l	100
60) Dibromochloromethane	11.69	129	420693	49.100	ug/l	98
61) 1,2-Dibromoethane	11.81	107	313091	48.649	ug/l	99
64) Tetrachloroethene	11.27	164	387548	50.406	ug/l	98
65) Chlorobenzene	12.41	112	1012745	50.584	ug/l	99
66) 1,1,1,2-Tetrachloroethane	12.52	131	384438	49.593	ug/l	97
67) Ethyl Benzene	12.53	91	1519383	49.719	ug/l	98
68) m/p-Xylenes	12.67	106	1109623	95.856	ug/l	95
69) o-Xylene	13.05	106	541599	48.213	ug/l	98
70) Styrene	13.08	104	914100	46.680	ug/l	98
71) Bromoform	13.23	173	229858	46.776	ug/l	99
73) Isopropylbenzene	13.40	105	1470338	47.185	ug/l	97
74) N-amyl acetate	13.26	43	337744	38.908	ug/l	94
75) 1,1,2,2-Tetrachloroethane	13.71	83	290990	44.268	ug/l	97
76) 1,2,3-Trichloropropane	13.74	75	279484	43.214	ug/l	98
77) Bromobenzene	13.68	156	409635	44.343	ug/l	81
78) n-propylbenzene	13.78	91	1796480	47.110	ug/l	97
79) 2-Chlorotoluene	13.85	91	965005	46.606	ug/l	100
80) 1,3,5-Trimethylbenzene	13.93	105	1273248	52.663	ug/l	100
81) trans-1,4-Dichloro-2-buten	13.48	75	94516	47.931	ug/l	96
82) 4-Chlorotoluene	13.95	91	1178704	52.354	ug/l	98
83) tert-Butylbenzene	14.19	119	1438126	47.596	ug/l	99
84) 1,2,4-Trimethylbenzene	14.24	105	1158461	44.258	ug/l	99
85) sec-Butylbenzene	14.37	105	1517988	47.291	ug/l	100
86) p-Isopropyltoluene	14.49	119	1436535	52.925	ug/l	99
87) 1,3-Dichlorobenzene	14.46	146	701099	44.817	ug/l	97
88) 1,4-Dichlorobenzene	14.54	146	743313	48.724	ug/l	99
89) n-Butylbenzene	14.80	91	1197946	48.086	ug/l	99
90) Hexachloroethane	15.01	117	396078	51.653	ug/l	72
91) 1,2-Dichlorobenzene	14.81	146	584998	45.591	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	15.38	75	38380	49.782	ug/l	99

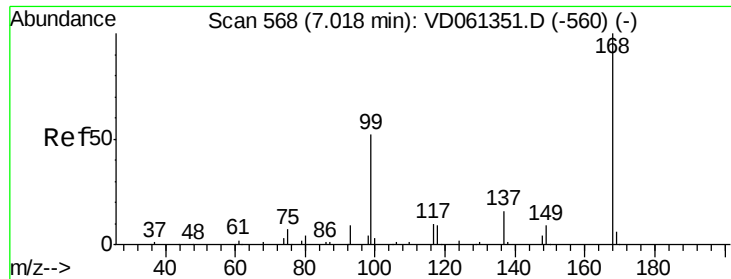
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD032919\
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Quant Title : SW846 8260
QLast Update : Thu Mar 28 09:22:37 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.94	180	272369	46.597	ug/l	97
94) Hexachlorobutadiene	16.04	225	226396	49.566	ug/l	98
95) Naphthalene	16.13	128	377609	42.382	ug/l	99
96) 1,2,3-Trichlorobenzene	16.28	180	118542	46.087	ug/l	95

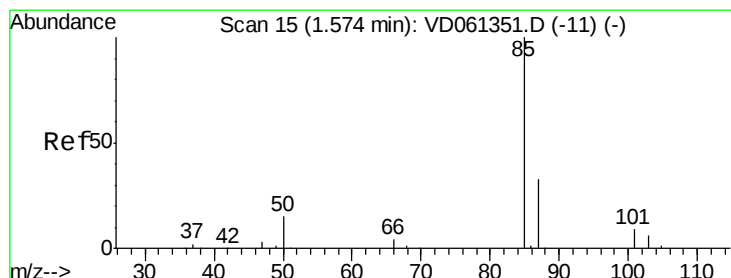
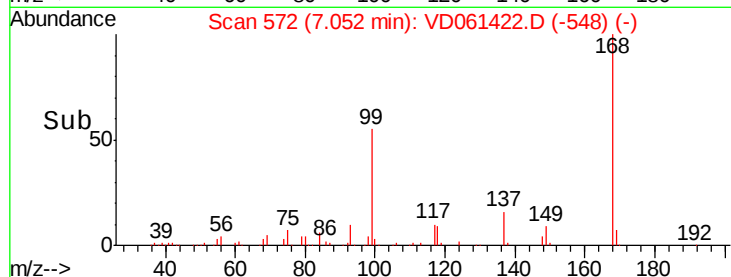
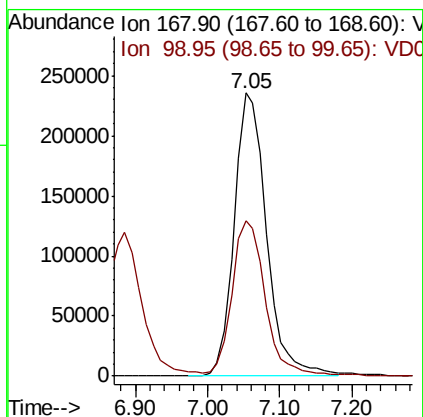
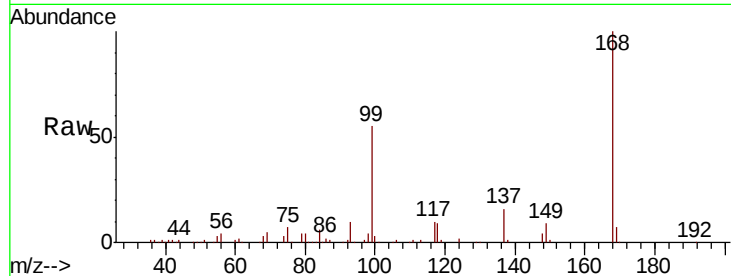
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.05 min Scan# 572
Delta R.T. 0.03 min
Lab File: VD061422.D
Acq: 29 Mar 2019 11:18

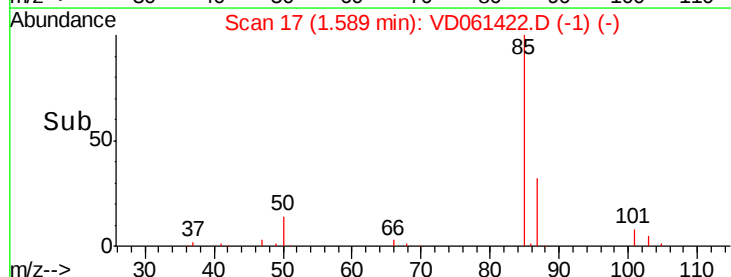
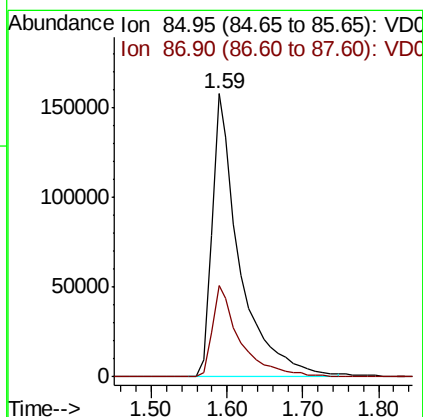
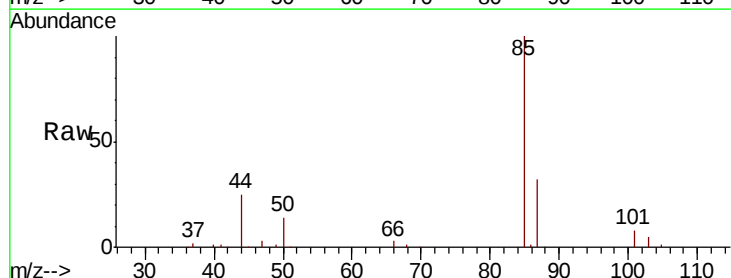
Instrument :
MSVOA_D
ClientSampled :

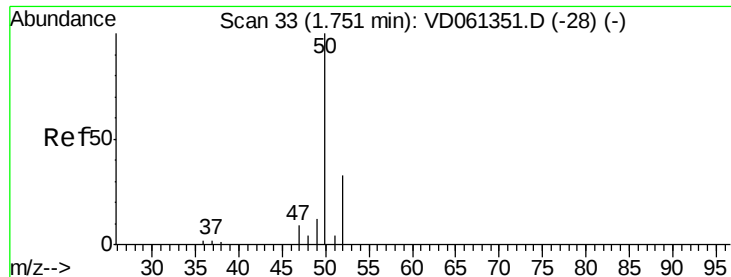
Tot Ion:168 Resp: 737045
Ion Ratio Lower Upper
168 100
99 54.9 43.1 64.7



#2
Dichlorodifluoromethane
Concen: 50.856 ug/l
RT: 1.59 min Scan# 17
Delta R.T. 0.01 min
Lab File: VD061422.D
Acq: 29 Mar 2019 11:18

Tgt Ion: 85 Resp: 400302
Ion Ratio Lower Upper
85 100
87 32.3 16.6 49.7





#3

Chloromethane

Concen: 47.099 ug/l

RT: 1.77 min Scan# 35

Delta R.T. 0.01 min

Lab File: VD061422.D

Acq: 29 Mar 2019 11:18

Instrument :

MSVOA_D

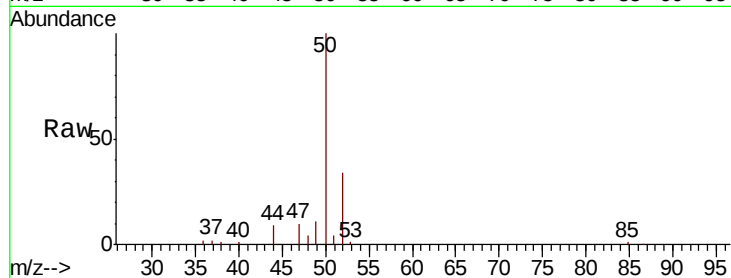
ClientSampled :

Tot Ion: 50 Resp: 302350

Ion Ratio Lower Upper

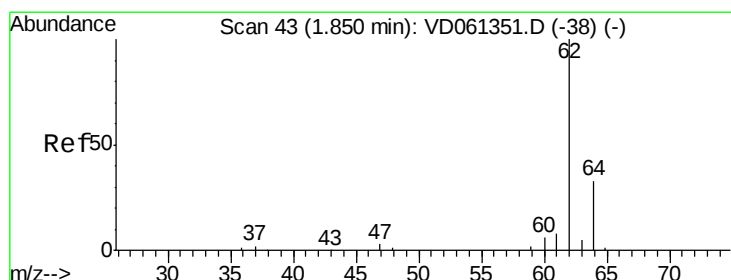
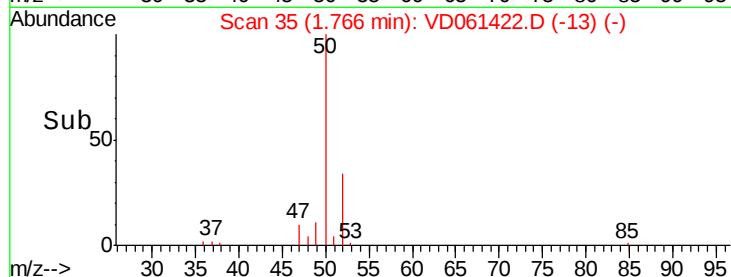
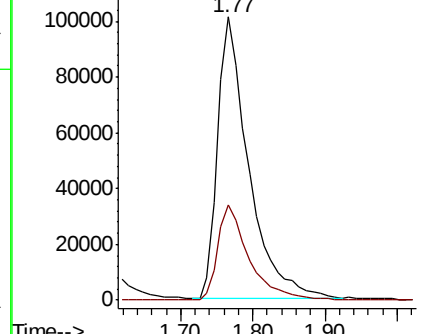
50 100

52 33.8 26.1 39.1



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 48.167 ug/l

RT: 1.86 min Scan# 45

Delta R.T. 0.01 min

Lab File: VD061422.D

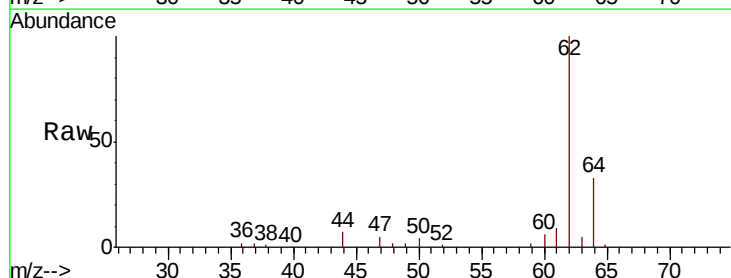
Acq: 29 Mar 2019 11:18

Tgt Ion: 62 Resp: 283905

Ion Ratio Lower Upper

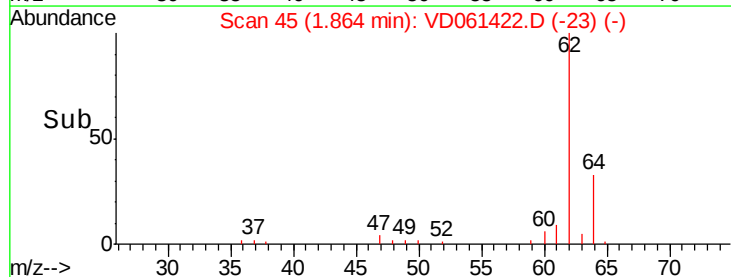
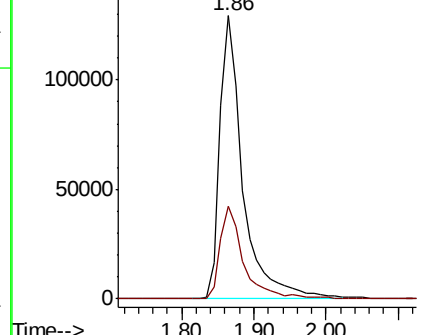
62 100

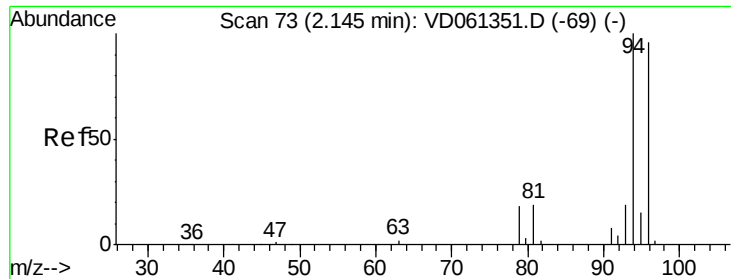
64 32.8 26.6 39.8



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC

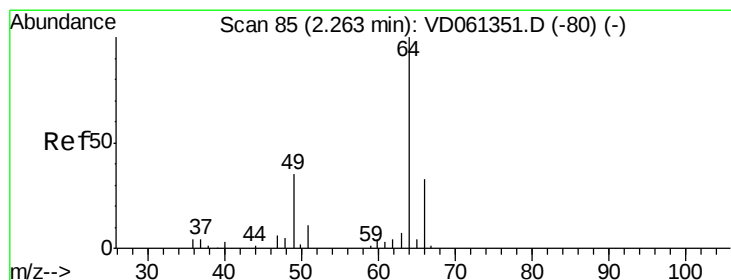
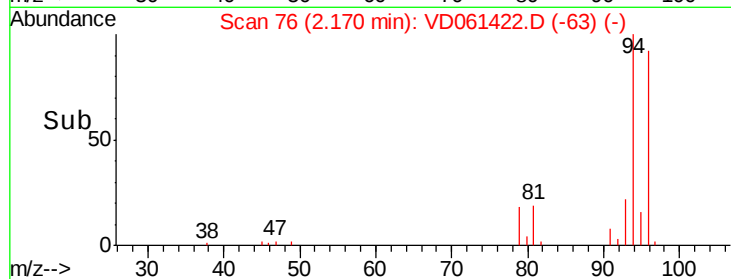
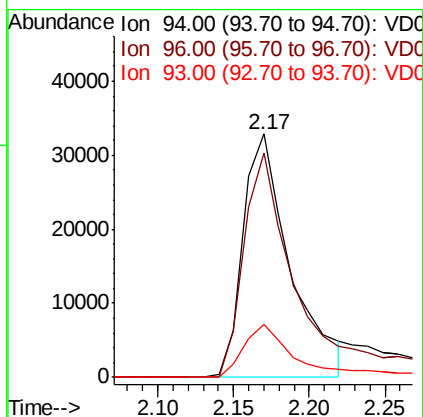
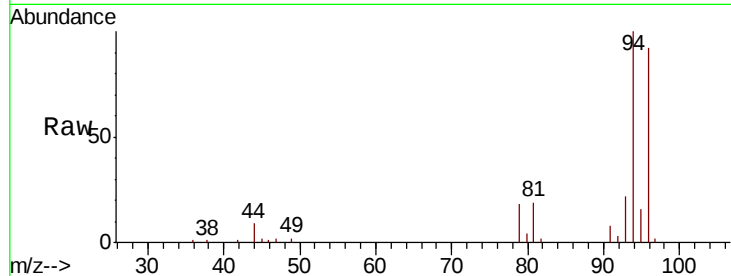




#5
Bromomethane
Concen: 61.226 ug/l
RT: 2.17 min Scan# 76
Delta R.T. 0.02 min
Lab File: VD061422.D
Acq: 29 Mar 2019 11:18

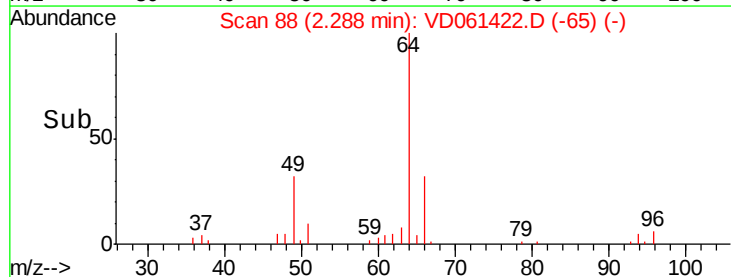
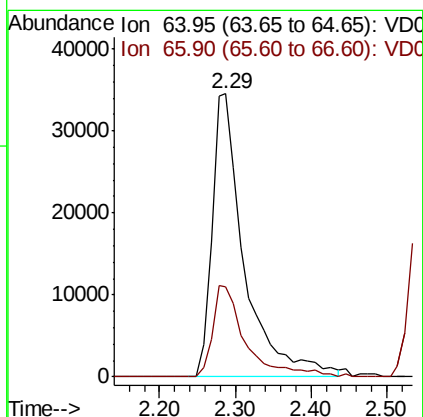
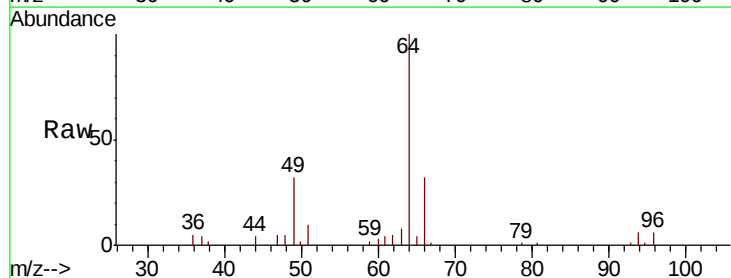
Instrument :
MSVOA_D
ClientSampleId :

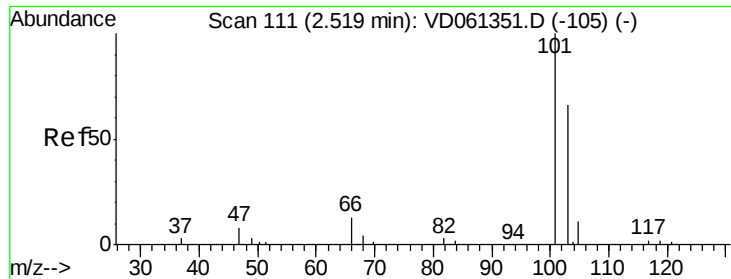
Tot Ion: 94 Resp: 71562
Ion Ratio Lower Upper
94 100
96 93.9 78.3 117.5
93 21.9 15.6 23.4



#6
Chloroethane
Concen: 59.383 ug/l
RT: 2.29 min Scan# 88
Delta R.T. 0.02 min
Lab File: VD061422.D
Acq: 29 Mar 2019 11:18

Tgt Ion: 64 Resp: 102644
Ion Ratio Lower Upper
64 100
66 32.0 26.2 39.2



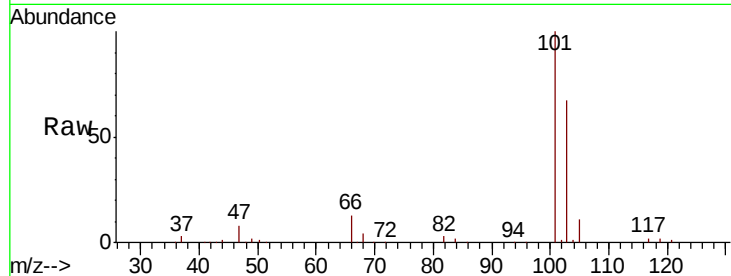


#7

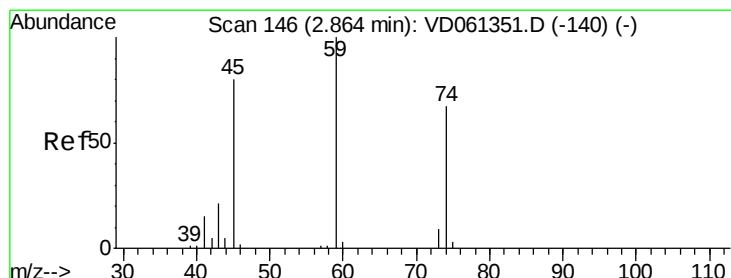
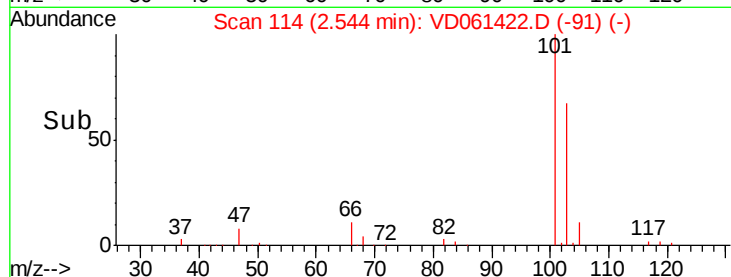
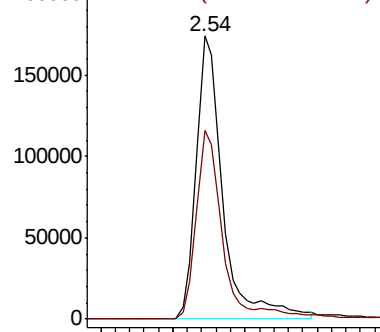
Trichlorofluoromethane
Concen: 52.248 ug/l
RT: 2.54 min Scan# 114
Delta R.T. 0.02 min
Lab File: VD061422.D
Acq: 29 Mar 2019 11:18

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:101 Resp: 447822
Ion Ratio Lower Upper
101 100
103 66.6 53.1 79.7



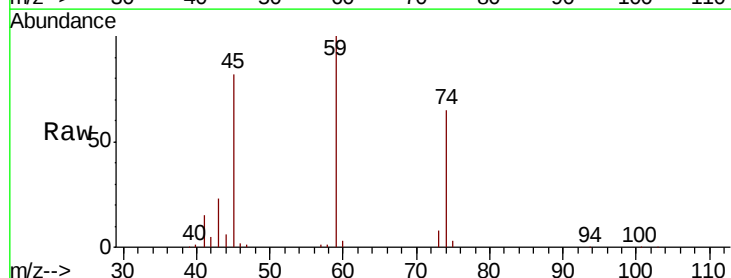
Abundance Ion 100.85 (100.55 to 101.55): V
Ion 102.85 (102.55 to 103.55): V



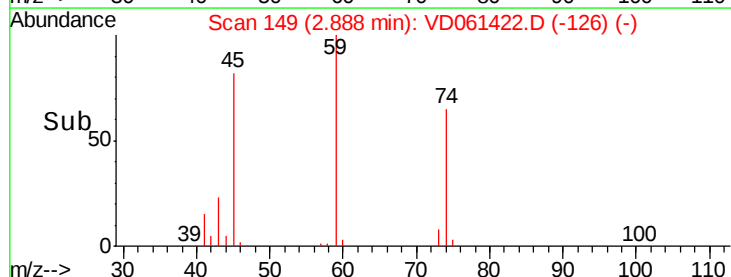
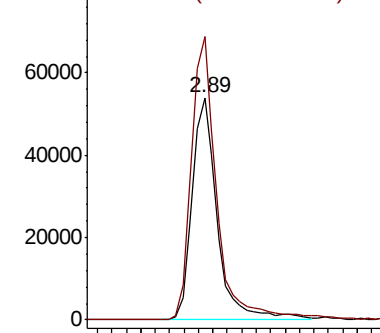
#8

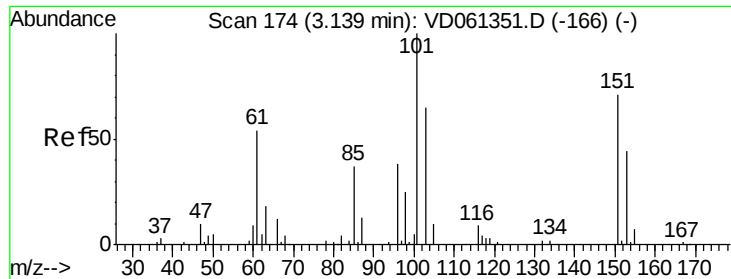
Diethyl Ether
Concen: 47.072 ug/l
RT: 2.89 min Scan# 149
Delta R.T. 0.02 min
Lab File: VD061422.D
Acq: 29 Mar 2019 11:18

Tgt Ion: 74 Resp: 129899
Ion Ratio Lower Upper
74 100
45 127.4 59.7 179.1



Abundance Ion 74.00 (73.70 to 74.70): VDC
Ion 45.05 (44.75 to 45.75): VDC





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.508 ug/l

RT: 3.17 min Scan# 178

Delta R.T. 0.03 min

Lab File: VD061422.D

Acq: 29 Mar 2019 11:18

Instrument :

MSVOA_D

ClientSampleId :

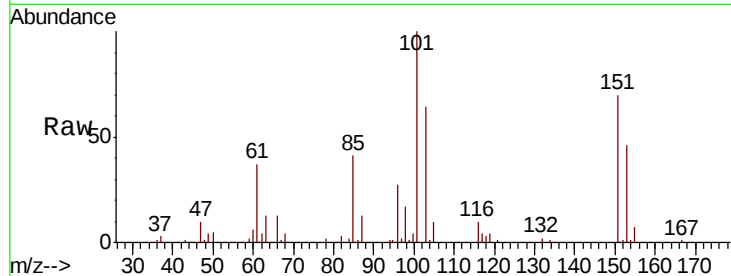
Tot Ion:101 Resp: 456193

Ion Ratio Lower Upper

101 100

85 40.9 29.4 44.0

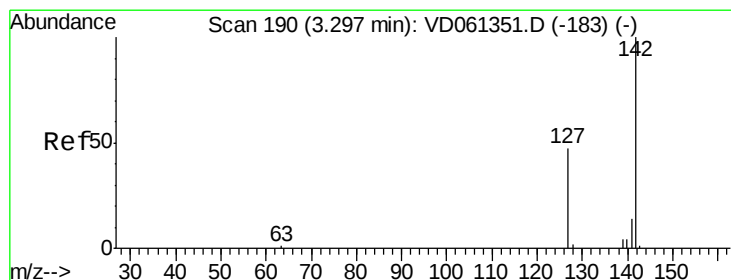
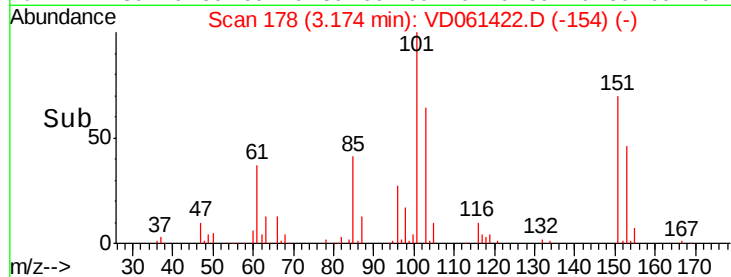
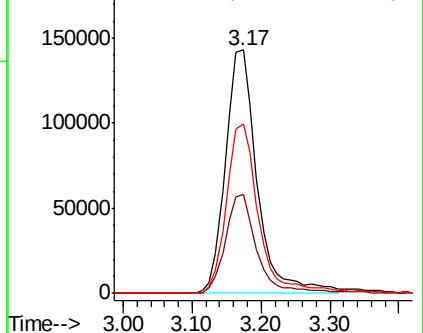
151 69.6 57.0 85.4



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: 47.480 ug/l

RT: 3.32 min Scan# 193

Delta R.T. 0.02 min

Lab File: VD061422.D

Acq: 29 Mar 2019 11:18

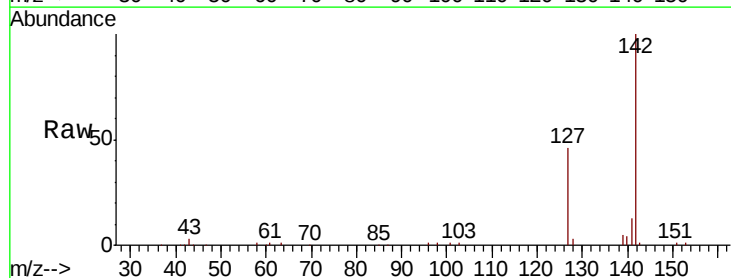
Tgt Ion:142 Resp: 662493

Ion Ratio Lower Upper

142 100

127 46.2 37.7 56.5

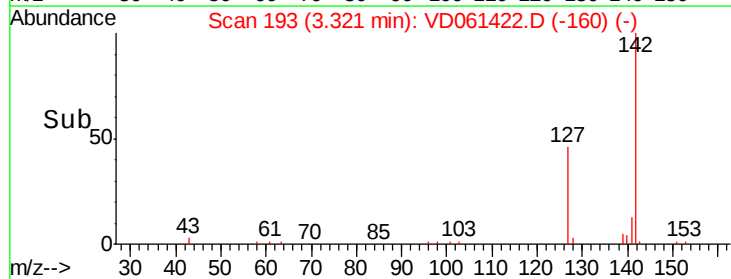
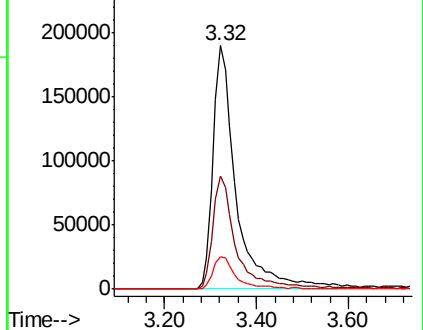
141 13.2 11.5 17.3

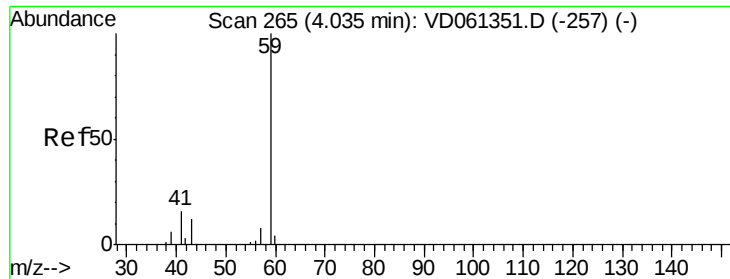


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V

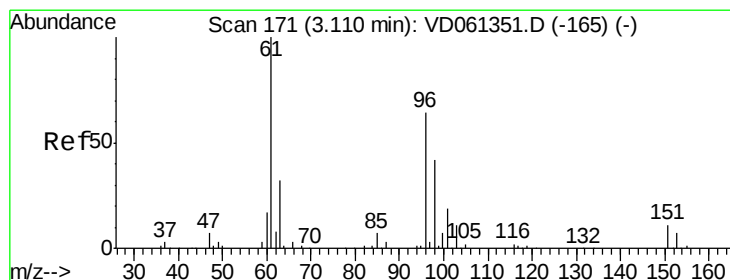
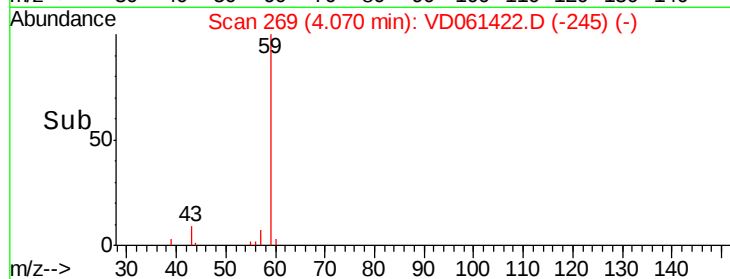
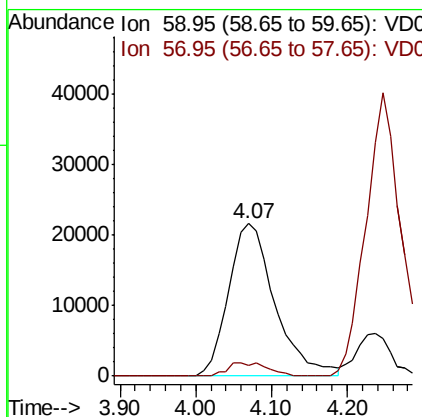
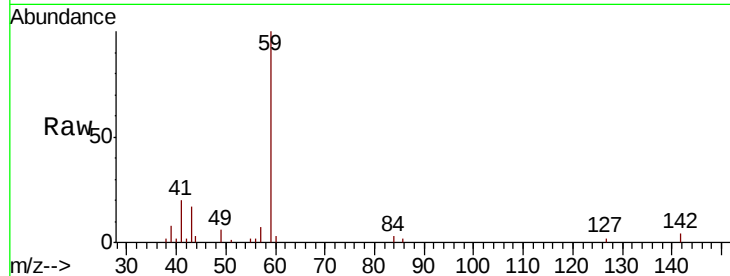




#11
Tert butyl alcohol
Concen: 234.260 ug/l
RT: 4.07 min Scan# 269
Delta R.T. 0.03 min
Lab File: VD061422.D
Acq: 29 Mar 2019 11:18

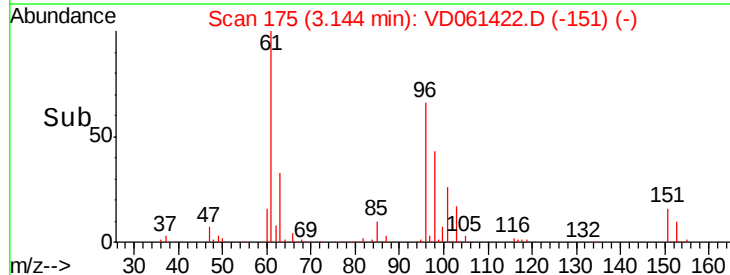
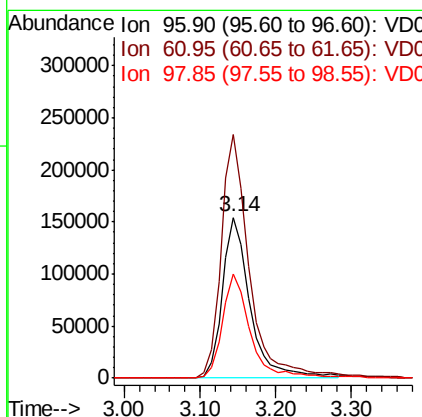
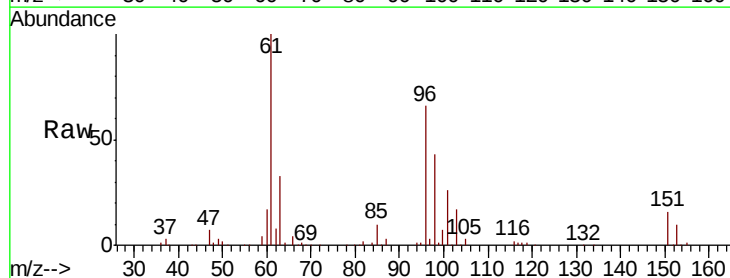
Instrument :
MSVOA_D
ClientSampleId :

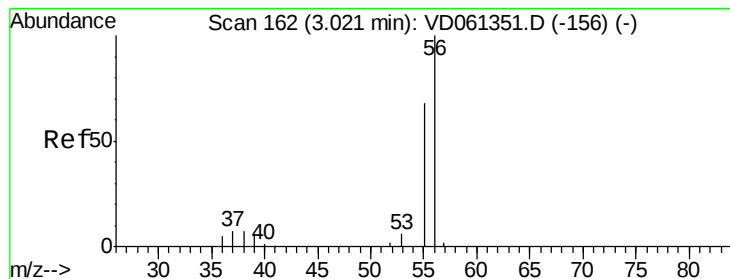
Tot Ion: 59 Resp: 91854
Ion Ratio Lower Upper
59 100
57 7.1 6.7 10.1



#12
1,1-Dichloroethene
Concen: 49.750 ug/l
RT: 3.14 min Scan# 175
Delta R.T. 0.03 min
Lab File: VD061422.D
Acq: 29 Mar 2019 11:18

Tgt Ion: 96 Resp: 393579
Ion Ratio Lower Upper
96 100
61 151.4 124.9 187.3
98 64.4 52.5 78.7





#13

Acrolein

Concen: 260.424 ug/l

RT: 3.05 min Scan# 165

Delta R.T. 0.02 min

Lab File: VD061422.D

Acq: 29 Mar 2019 11:18

Instrument :

MSVOA_D

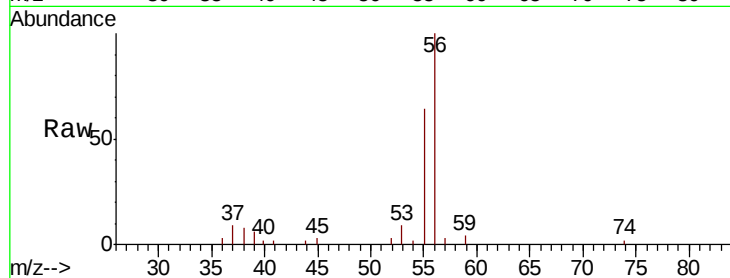
ClientSampleId :

Tot Ion: 56 Resp: 77516

Ion Ratio Lower Upper

56 100

55 63.9 54.6 82.0



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC

30000

25000

20000

15000

10000

5000

0

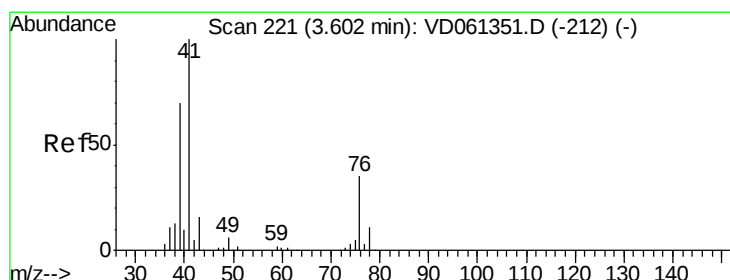
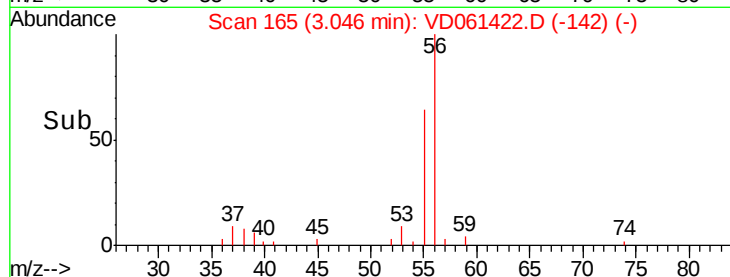
Time-->

2.90

3.00

3.10

3.20



#14

Allyl chloride

Concen: 51.354 ug/l

RT: 3.64 min Scan# 225

Delta R.T. 0.03 min

Lab File: VD061422.D

Acq: 29 Mar 2019 11:18

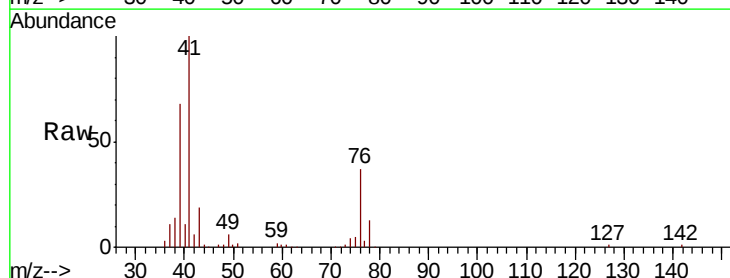
Tgt Ion: 41 Resp: 566654

Ion Ratio Lower Upper

41 100

39 68.4 55.6 83.4

76 36.9 31.0 46.6



Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC

250000

200000

150000

100000

50000

0

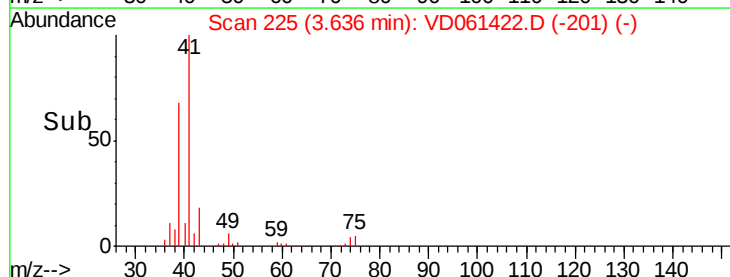
Time-->

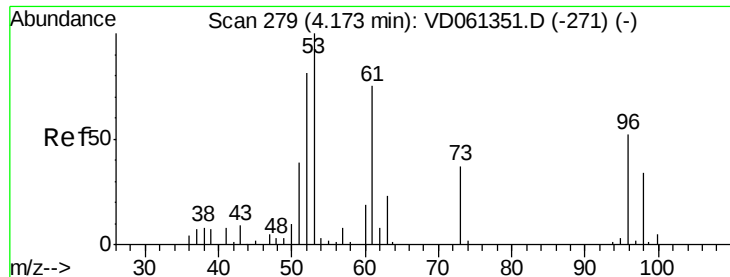
3.50

3.60

3.70

3.80





#15

Acrylonitrile

Concen: 248.728 ug/l

RT: 4.21 min Scan# 283

Delta R.T. 0.03 min

Lab File: VD061422.D

Acq: 29 Mar 2019 11:18

Instrument :
MSVOA_D
ClientSampleId :

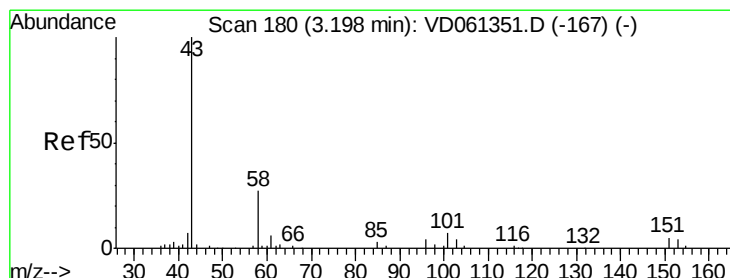
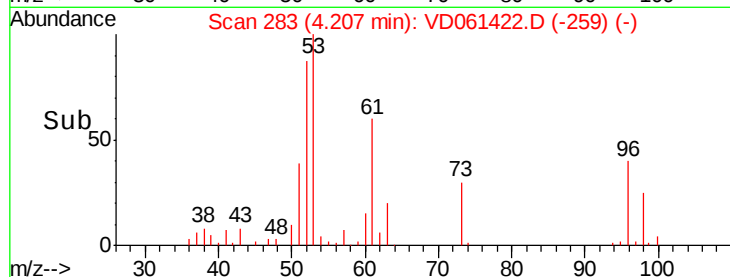
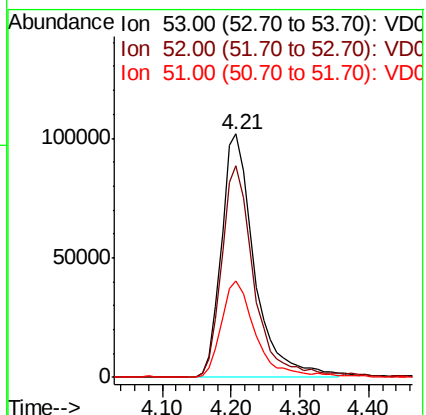
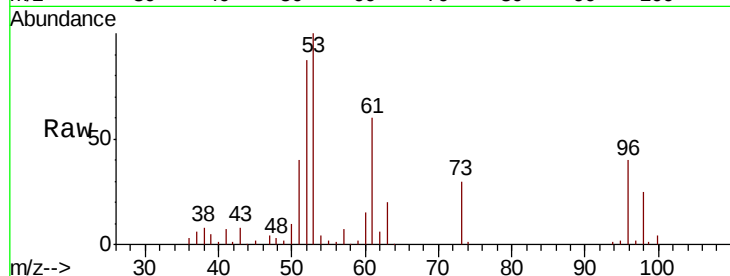
Tot Ion: 53 Resp: 338497

Ion Ratio Lower Upper

53 100

52 86.9 64.8 97.2

51 39.6 31.4 47.2



#16

Acetone

Concen: 281.184 ug/l

RT: 3.23 min Scan# 184

Delta R.T. 0.03 min

Lab File: VD061422.D

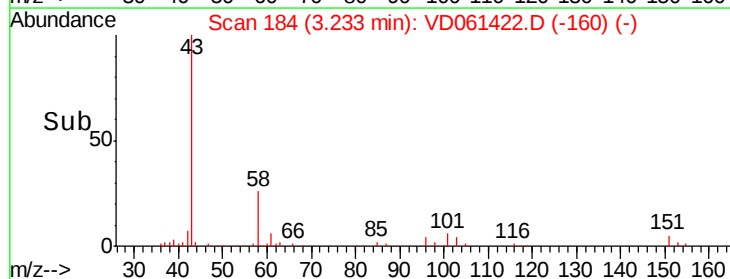
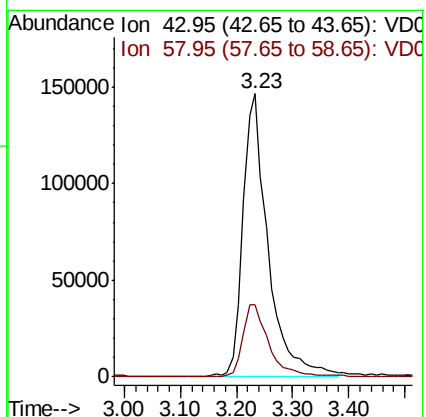
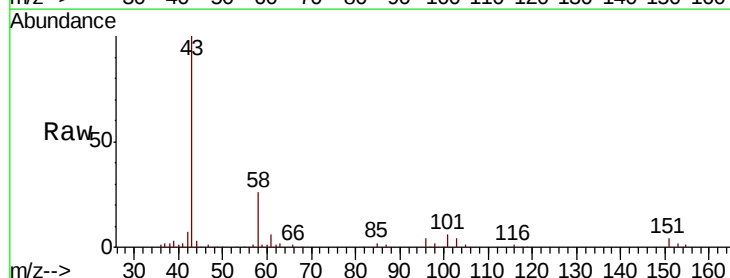
Acq: 29 Mar 2019 11:18

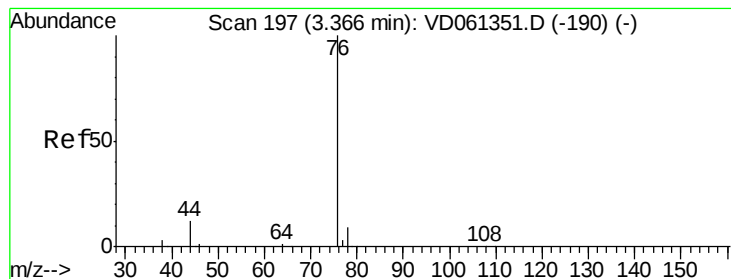
Tgt Ion: 43 Resp: 455103

Ion Ratio Lower Upper

43 100

58 25.6 21.5 32.3





#17

Carbon Disulfide

Concen: 46.051 ug/l

RT: 3.39 min Scan# 200

Delta R.T. 0.02 min

Lab File: VD061422.D

Acq: 29 Mar 2019 11:18

Instrument :

MSVOA_D

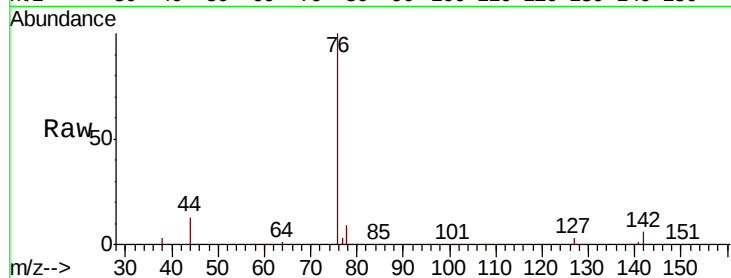
ClientSampleId :

Tot Ion: 76 Resp: 1183683

Ion Ratio Lower Upper

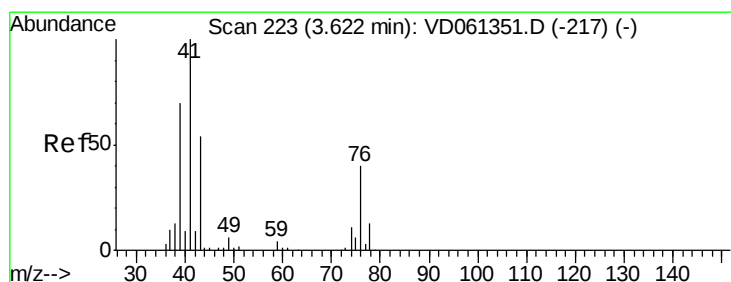
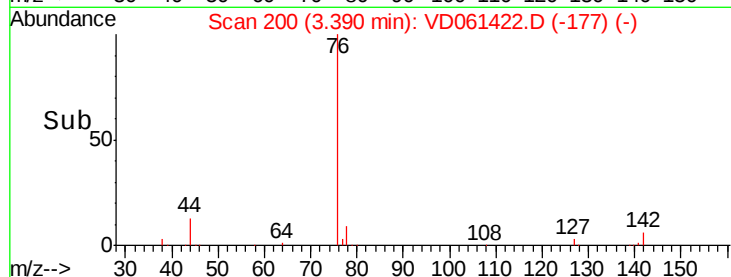
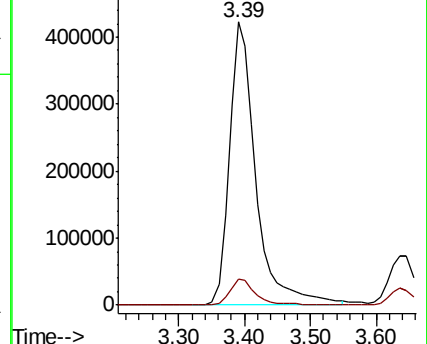
76 100

78 9.3 7.1 10.7



Abundance Ion 75.85 (75.55 to 76.55): VDC

Ion 77.85 (77.55 to 78.55): VDC



#18

Methyl Acetate

Concen: 47.330 ug/l

RT: 3.66 min Scan# 227

Delta R.T. 0.03 min

Lab File: VD061422.D

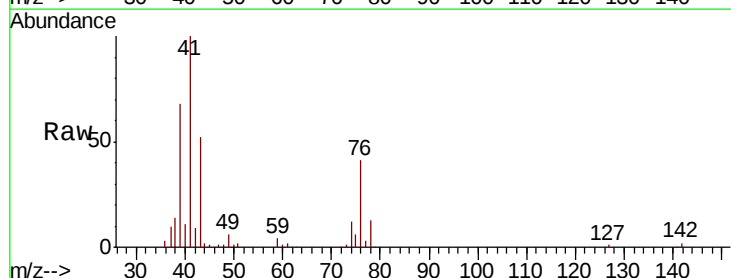
Acq: 29 Mar 2019 11:18

Tgt Ion: 43 Resp: 161066

Ion Ratio Lower Upper

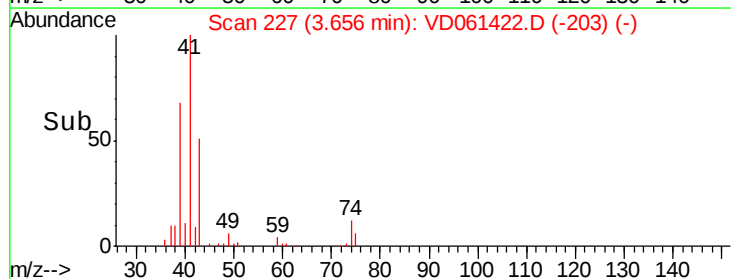
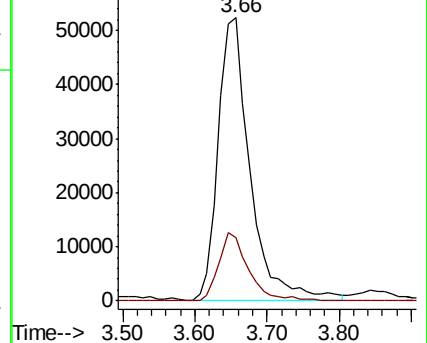
43 100

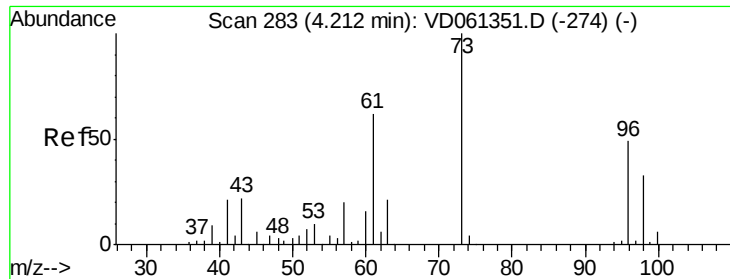
74 22.1 16.7 25.1



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC

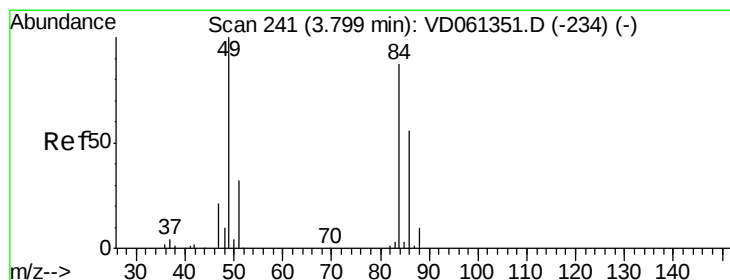
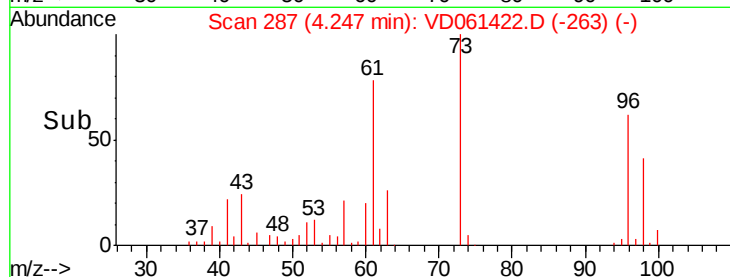
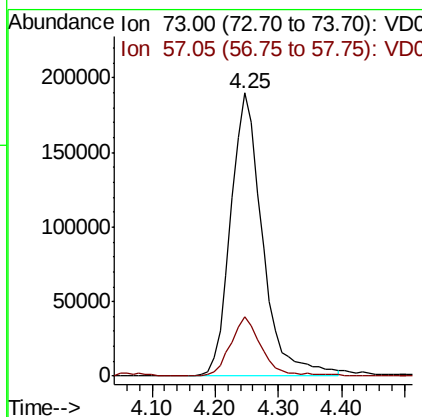
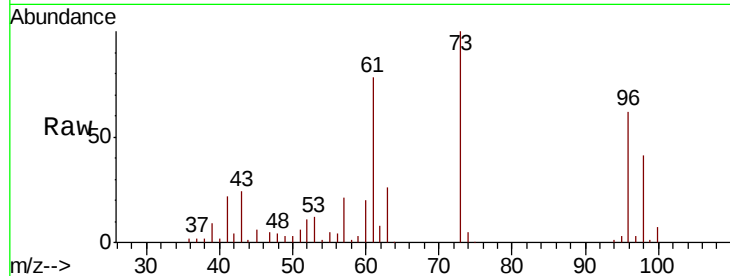




#19
Methvl tert-butvl Ether
Concen: 48.427 ug/l
RT: 4.25 min Scan# 287
Delta R.T. 0.03 min
Lab File: VD061422.D
Acq: 29 Mar 2019 11:18

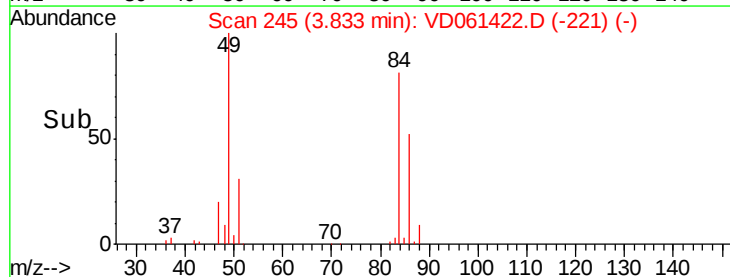
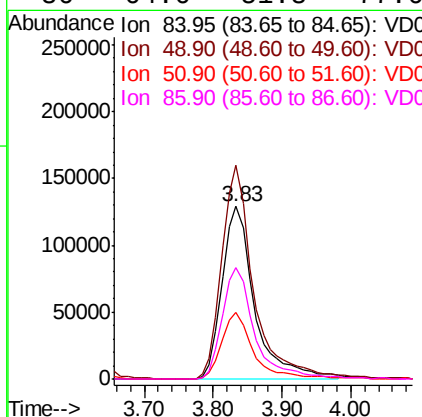
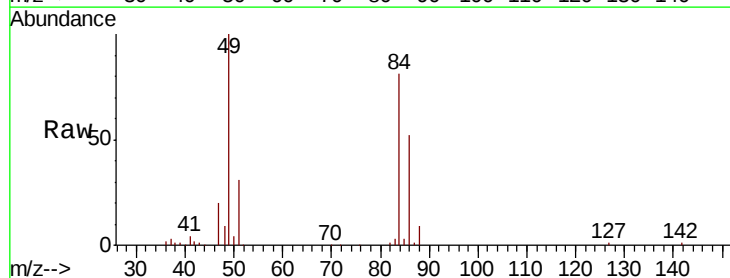
Instrument :
MSVOA_D
ClientSampled :

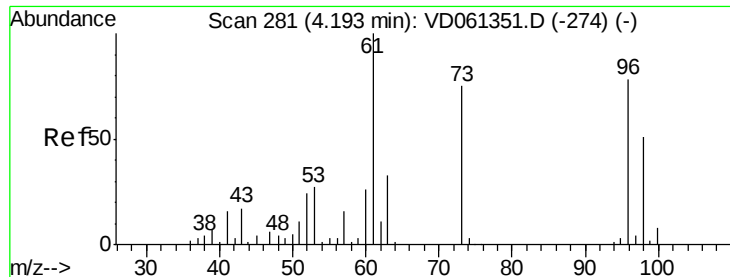
Tot Ion: 73 Resp: 663172
Ion Ratio Lower Upper
73 100
57 21.1 16.4 24.6



#20
Methylene Chloride
Concen: 46.544 ug/l
RT: 3.83 min Scan# 245
Delta R.T. 0.03 min
Lab File: VD061422.D
Acq: 29 Mar 2019 11:18

Tgt Ion: 84 Resp: 423214
Ion Ratio Lower Upper
84 100
49 124.0 91.8 137.8
51 38.4 29.8 44.8
86 64.6 51.8 77.6





#21

trans-1,2-Dichloroethene

Concen: 49.935 ug/l

RT: 4.24 min Scan# 286

Delta R.T. 0.04 min

Lab File: VD061422.D

Acq: 29 Mar 2019 11:18

Instrument :

MSVOA_D

ClientSampled :

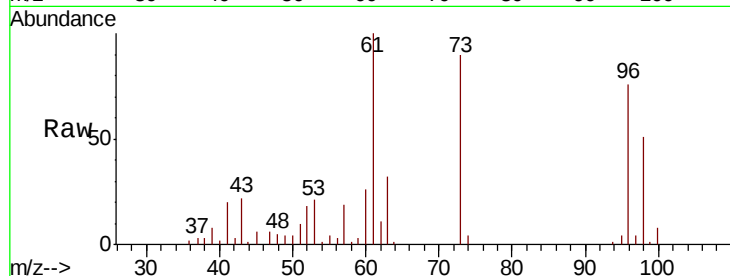
Tot Ion: 96 Resp: 426505

Ion Ratio Lower Upper

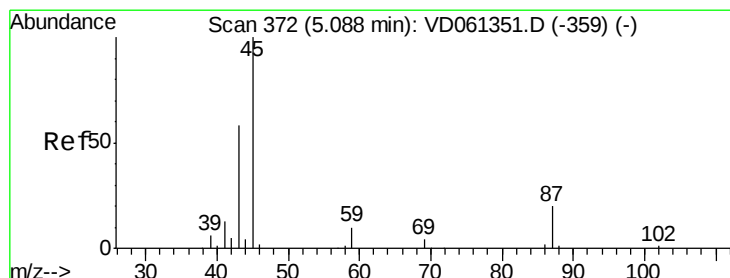
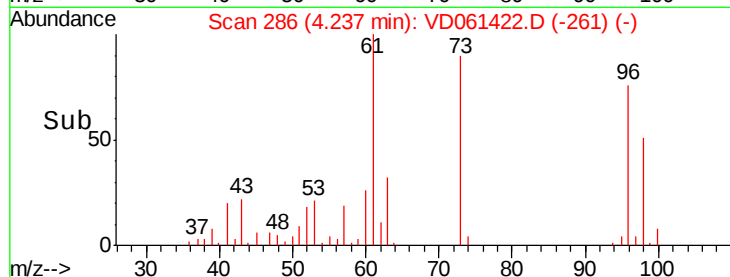
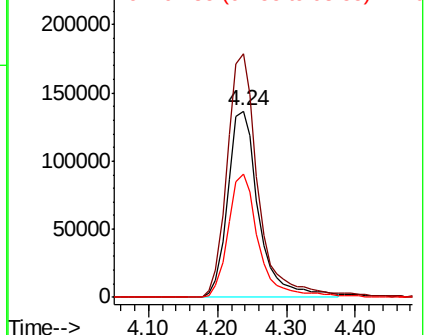
96 100

61 130.9 102.7 154.1

98 66.4 52.2 78.4



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: 48.326 ug/l

RT: 5.13 min Scan# 377

Delta R.T. 0.04 min

Lab File: VD061422.D

Acq: 29 Mar 2019 11:18

Tgt Ion: 45 Resp: 1128413

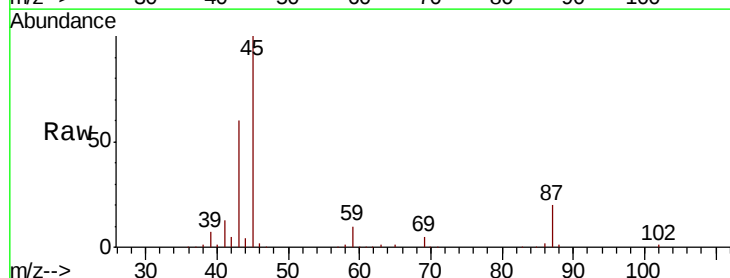
Ion Ratio Lower Upper

45 100

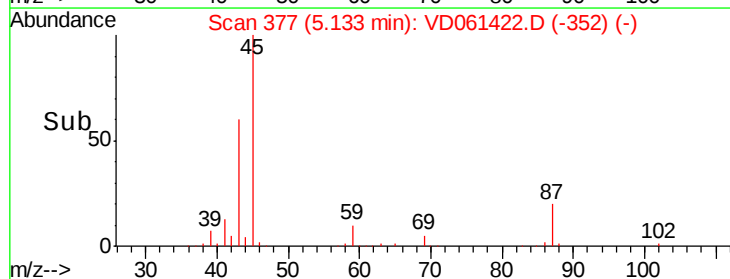
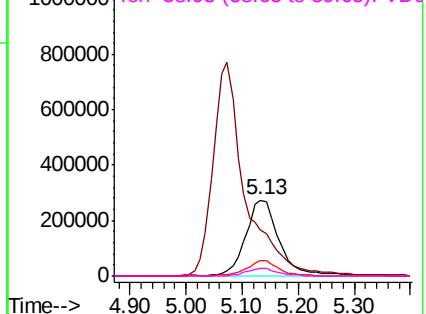
43 60.2 47.4 71.2

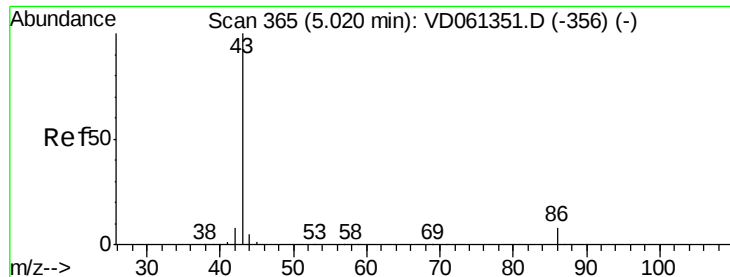
87 19.7 16.3 24.5

59 9.7 8.4 12.6



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: 237.860 ug/l

RT: 5.07 min Scan# 371

Delta R.T. 0.05 min

Lab File: VD061422.D

Acq: 29 Mar 2019 11:18

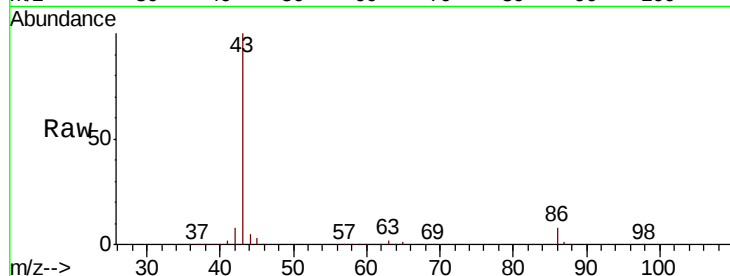
Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 43 Resp: 3016948

Ion Ratio Lower Upper

43 100

86 8.2 6.7 10.1



Abundance Ion 42.95 (42.65 to 43.65): VD061351.D (-356) (-)

Ion 86.00 (85.70 to 86.70): VD061351.D (-356) (-)

5.07

800000

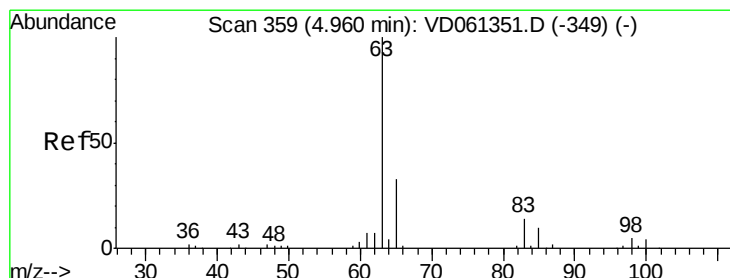
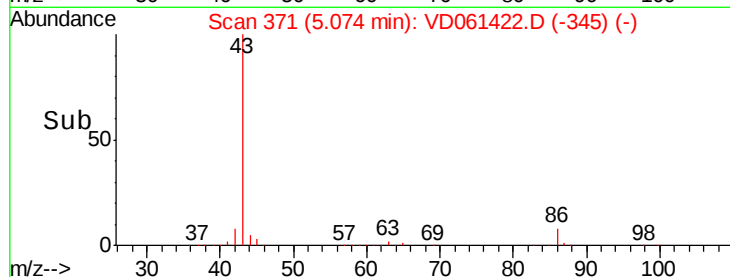
600000

400000

200000

0

Time-->



#24

1,1-Dichloroethane

Concen: 49.374 ug/l

RT: 4.99 min Scan# 363

Delta R.T. 0.03 min

Lab File: VD061422.D

Acq: 29 Mar 2019 11:18

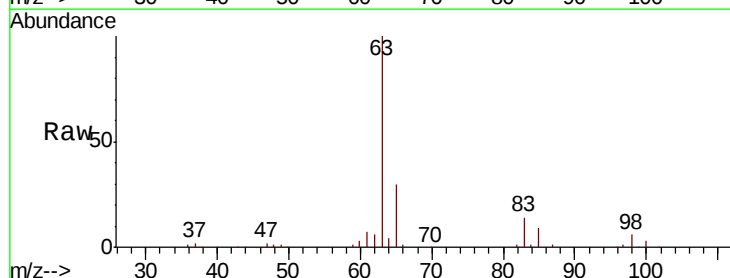
Tgt Ion: 63 Resp: 677547

Ion Ratio Lower Upper

63 100

98 5.6 2.6 8.0

100 3.4 1.8 5.3



Abundance Ion 62.95 (62.65 to 63.65): VD061351.D (-349) (-)

Ion 97.95 (97.65 to 98.65): VD061351.D (-349) (-)

Ion 99.95 (99.65 to 100.65): VD061351.D (-349) (-)

4.99

250000

200000

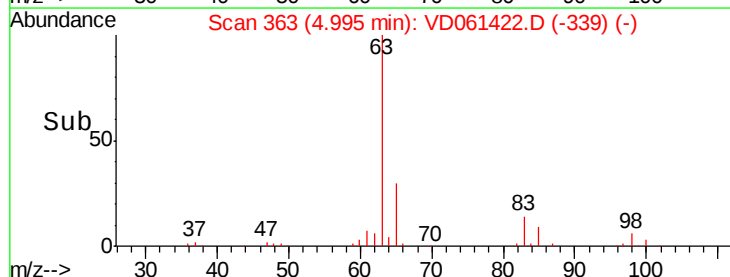
150000

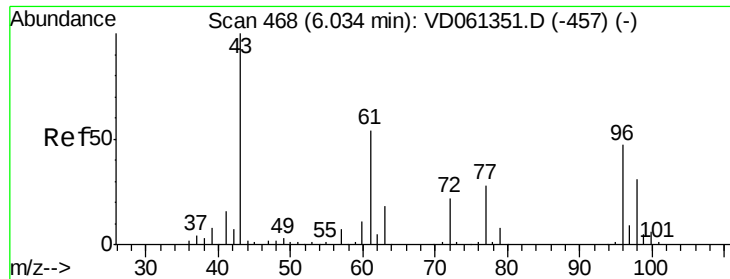
100000

50000

0

Time-->





#25

2-Butanone

Concen: 240.289 ug/l

RT: 6.08 min Scan# 473

Delta R.T. 0.04 min

Lab File: VD061422.D

Acq: 29 Mar 2019 11:18

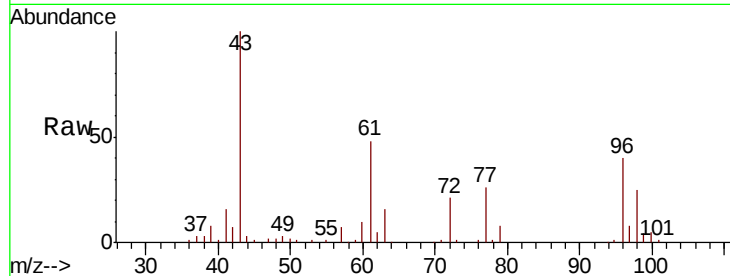
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 43 Resp: 489219

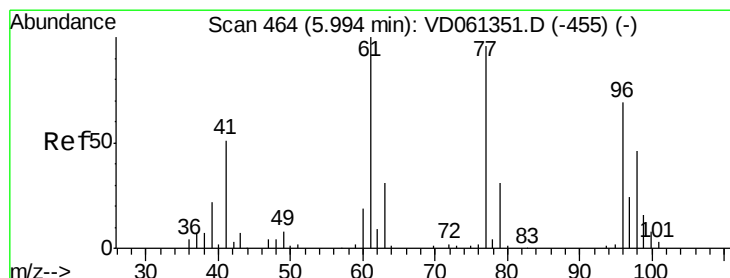
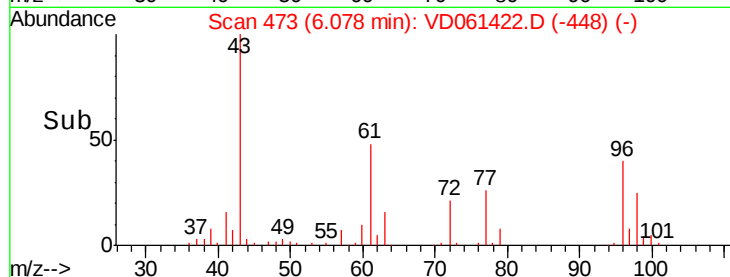
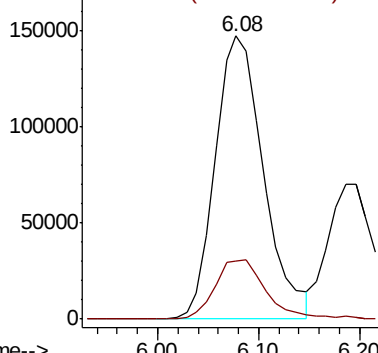
Ion Ratio Lower Upper

43 100

72 20.7 17.2 25.8



Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 49.757 ug/l

RT: 6.04 min Scan# 469

Delta R.T. 0.04 min

Lab File: VD061422.D

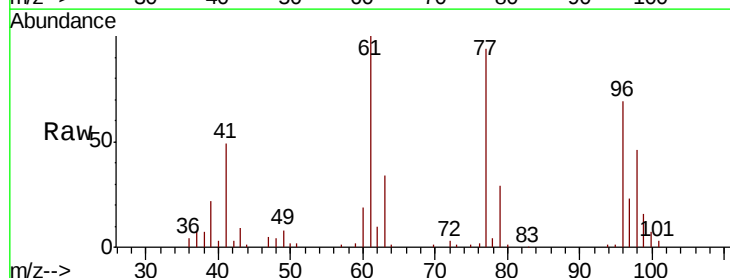
Acq: 29 Mar 2019 11:18

Tgt Ion: 77 Resp: 542781

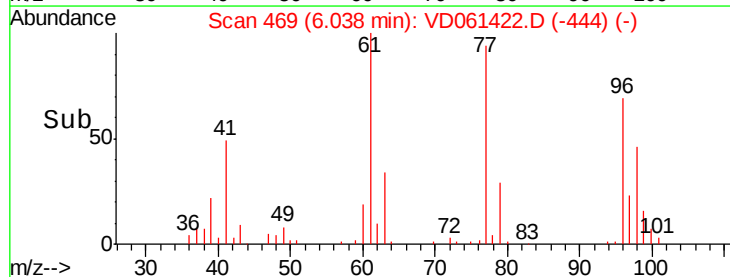
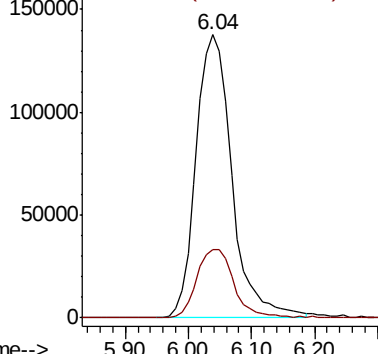
Ion Ratio Lower Upper

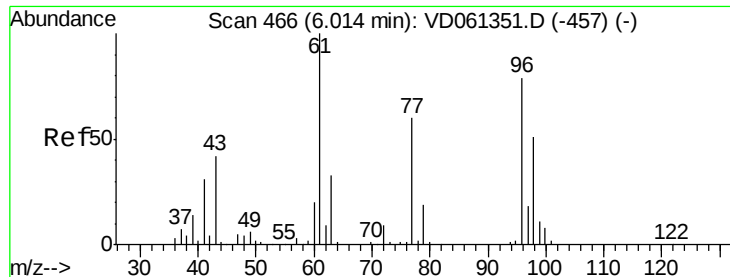
77 100

97 24.4 12.7 38.0



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



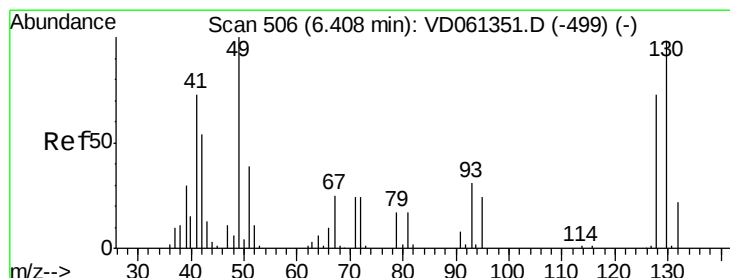
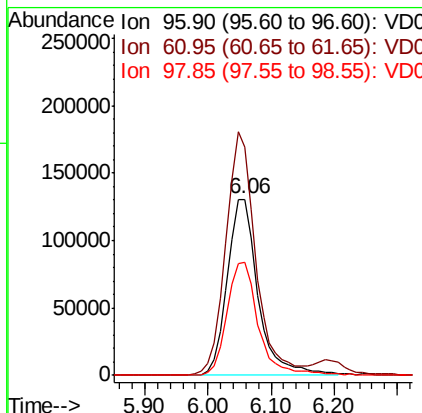
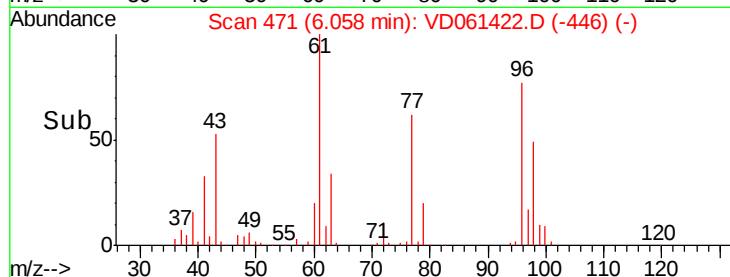
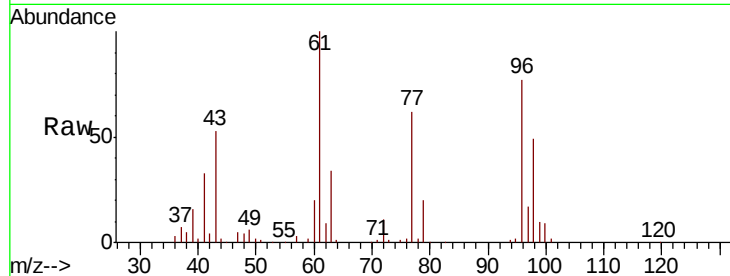


#27

cis-1,2-Dichloroethene
Concen: 46.976 ug/l
RT: 6.06 min Scan# 471
Delta R.T. 0.04 min
Lab File: VD061422.D
Acq: 29 Mar 2019 11:18

Instrument :
MSVOA_D
ClientSampled :

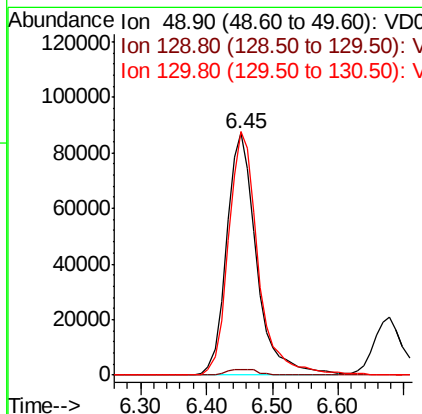
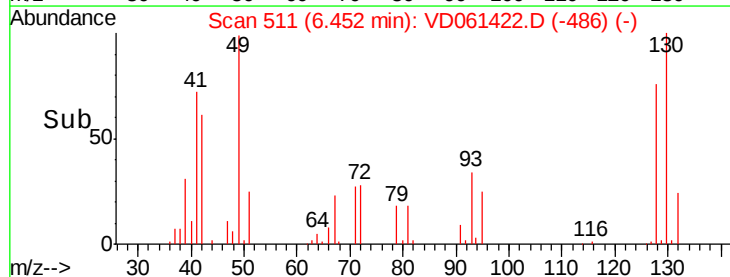
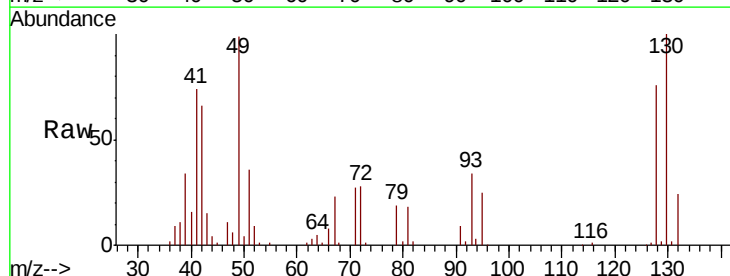
Tot Ion	96	Resp	439600
Ion	Ratio	Lower	Upper
96	100		
61	129.4	0.0	251.6
98	64.0	0.0	129.2

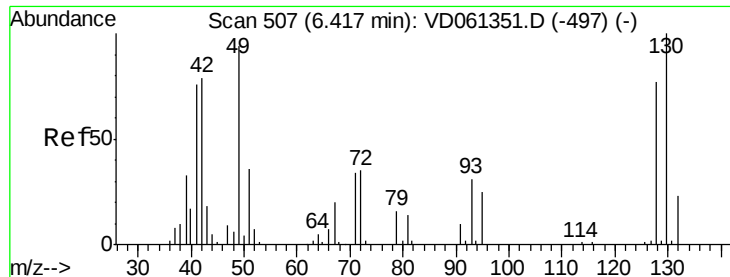


#28

Bromochloromethane
Concen: 50.057 ug/l
RT: 6.45 min Scan# 511
Delta R.T. 0.04 min
Lab File: VD061422.D
Acq: 29 Mar 2019 11:18

Tgt Ion	49	Resp	277284
Ion	Ratio	Lower	Upper
49	100		
129	2.3	0.0	0.0#
130	100.5	78.4	117.6





#29

Tetrahydrofuran

Concen: 236.997 ug/l

RT: 6.46 min Scan# 512

Delta R.T. 0.04 min

Lab File: VD061422.D

Acq: 29 Mar 2019 11:18

Instrument :

MSVOA_D

ClientSampleId :

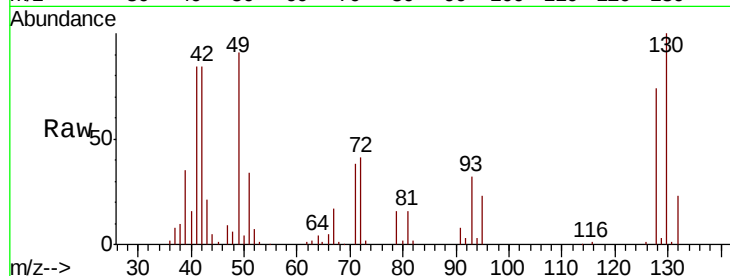
Tot Ion: 42 Resp: 233873

Ion Ratio Lower Upper

42 100

72 46.1 37.4 56.0

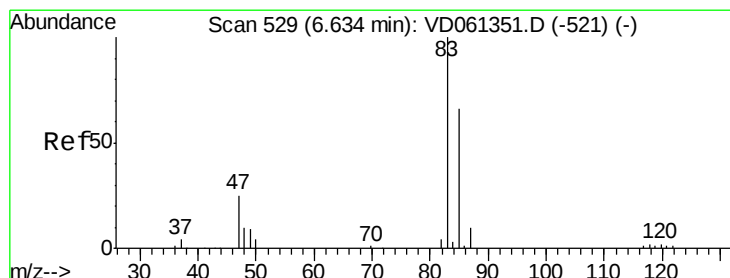
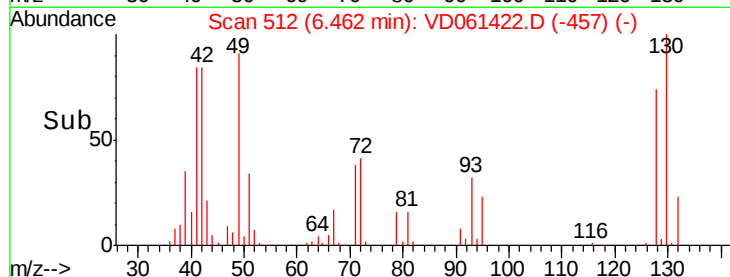
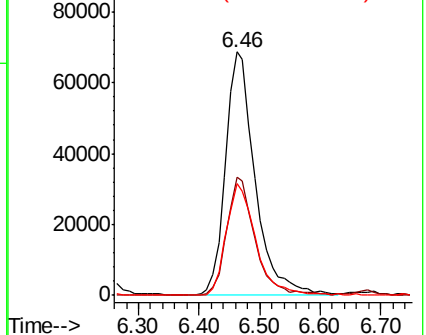
71 45.7 36.7 55.1



Abundance Ion 42.00 (41.70 to 42.70): VDC

Ion 72.00 (71.70 to 72.70): VDC

Ion 71.00 (70.70 to 71.70): VDC



#30

Chloroform

Concen: 52.135 ug/l

RT: 6.68 min Scan# 534

Delta R.T. 0.04 min

Lab File: VD061422.D

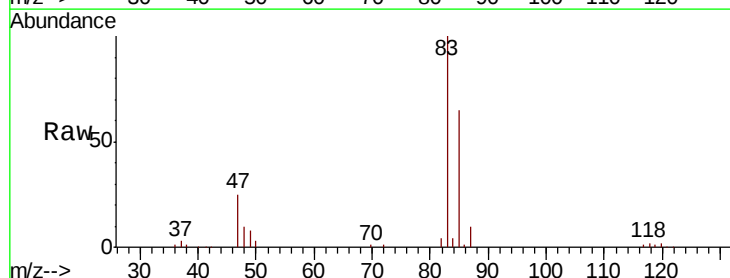
Acq: 29 Mar 2019 11:18

Tgt Ion: 83 Resp: 739238

Ion Ratio Lower Upper

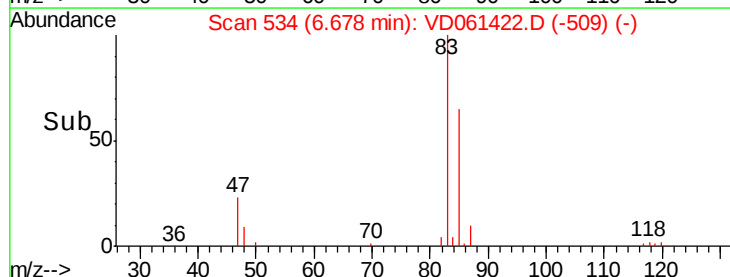
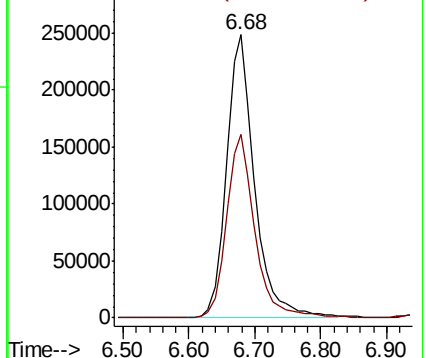
83 100

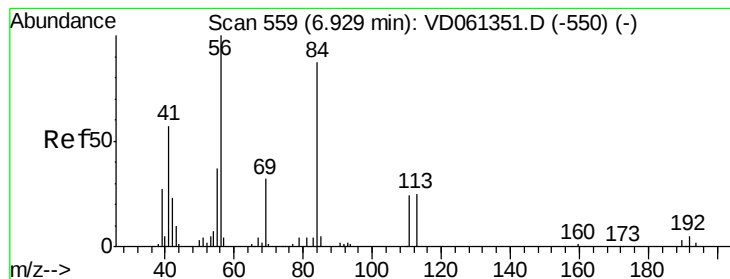
85 65.0 53.0 79.4



Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 84.95 (84.65 to 85.65): VDC





#31

Cyclohexane

Concen: 47.991 ug/l

RT: 6.97 min Scan# 564

Delta R.T. 0.04 min

Lab File: VD061422.D

Acq: 29 Mar 2019 11:18

Instrument :
MSVOA_D
ClientSampleId :

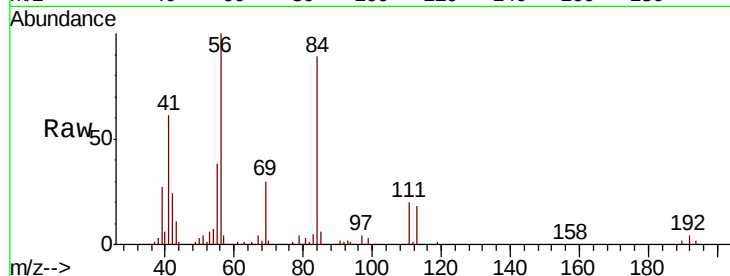
Tot Ion: 56 Resp: 520424

Ion Ratio Lower Upper

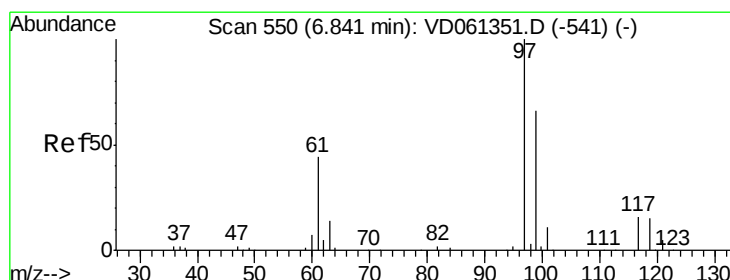
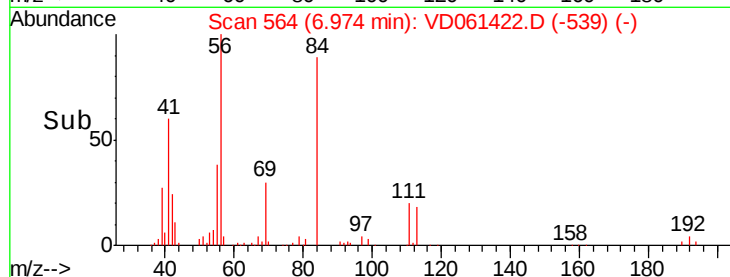
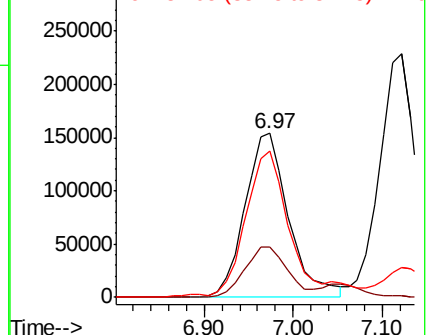
56 100

69 30.4 25.7 38.5

84 89.1 70.6 105.8



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



#32

1,1,1-Trichloroethane

Concen: 50.105 ug/l

RT: 6.89 min Scan# 555

Delta R.T. 0.04 min

Lab File: VD061422.D

Acq: 29 Mar 2019 11:18

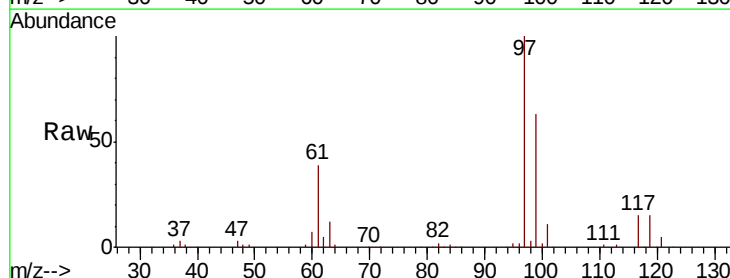
Tgt Ion: 97 Resp: 626771

Ion Ratio Lower Upper

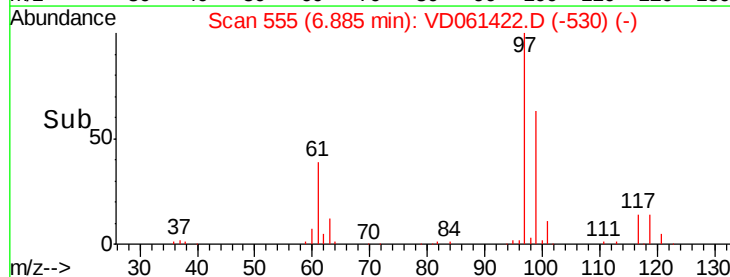
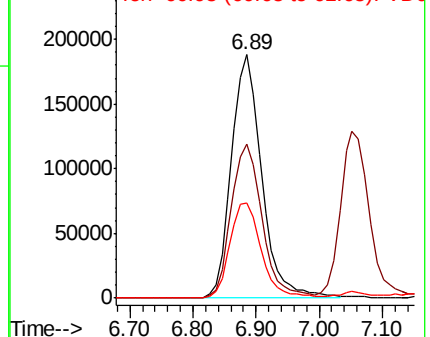
97 100

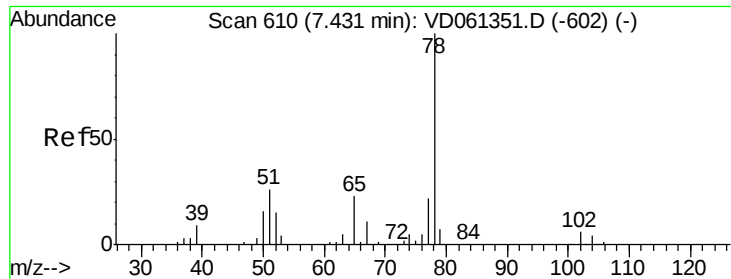
99 63.5 53.1 79.7

61 39.0 35.5 53.3



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





#33

1,2-Dichloroethane-d4

Concen: 50.105 ug/l

RT: 7.47 min Scan# 614

Delta R.T. 0.03 min

Lab File: VD061422.D

Acq: 29 Mar 2019 11:18

Instrument :

MSVOA_D

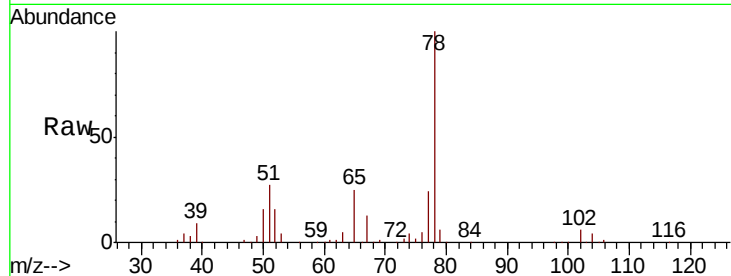
ClientSampled :

Tot Ion: 65 Resp: 320232

Ion Ratio Lower Upper

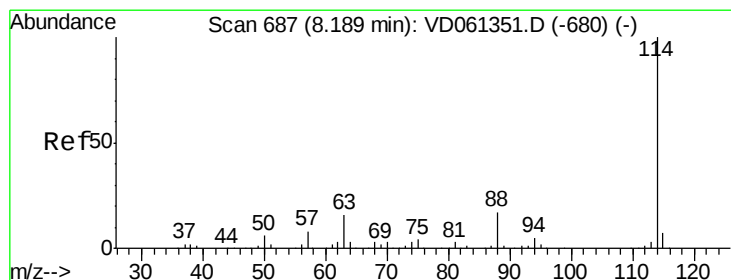
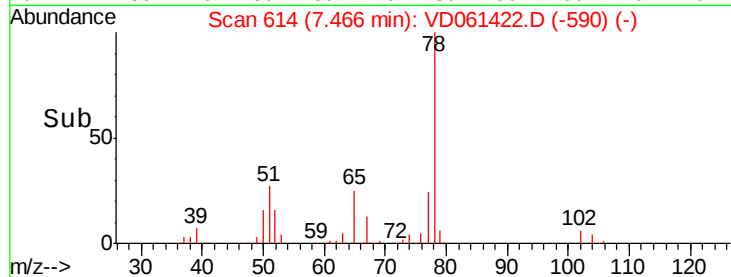
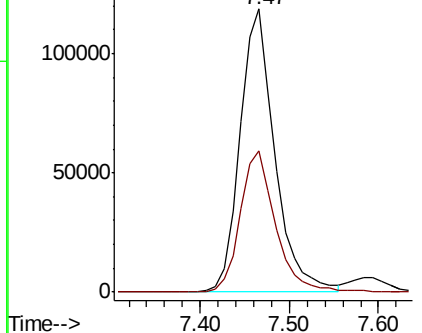
65 100

67 49.9 0.0 99.8



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.22 min Scan# 691

Delta R.T. 0.03 min

Lab File: VD061422.D

Acq: 29 Mar 2019 11:18

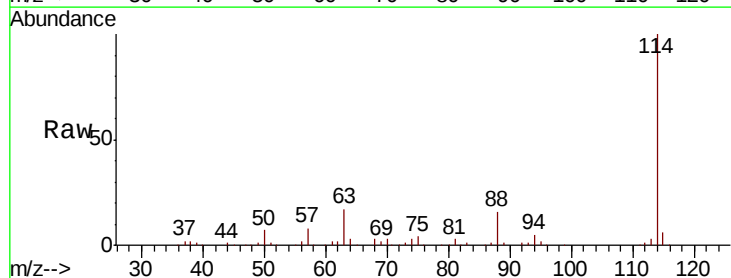
Tgt Ion: 114 Resp: 1189249

Ion Ratio Lower Upper

114 100

63 16.5 0.0 31.6

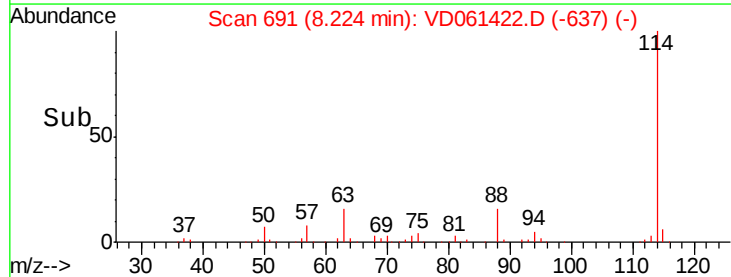
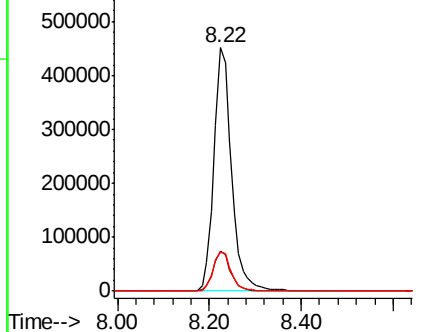
88 16.1 0.0 33.4

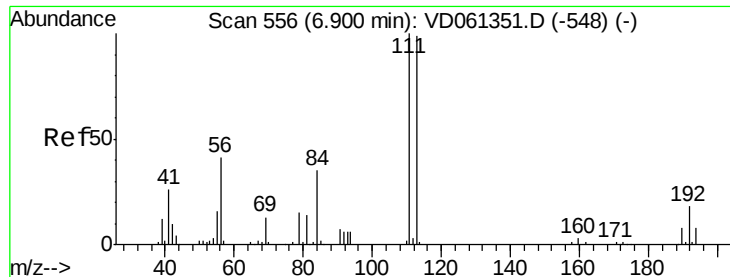


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 6.93 min Scan# 560

Delta R.T. 0.03 min

Lab File: VD061422.D

Acq: 29 Mar 2019 11:18

Instrument :

MSVOA_D

ClientSampleId :

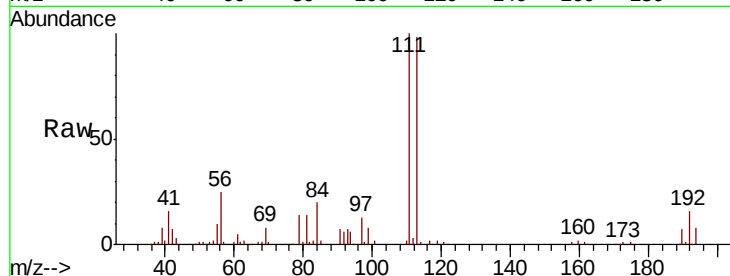
Tot Ion:113 Resp: 478236

Ion Ratio Lower Upper

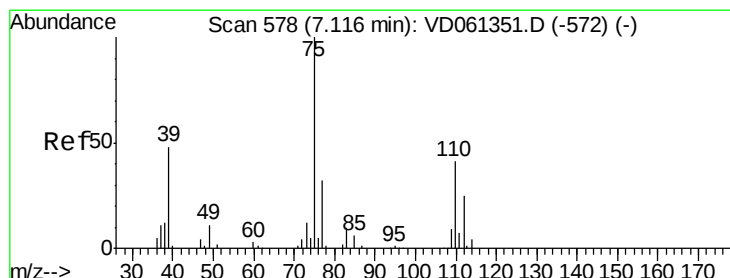
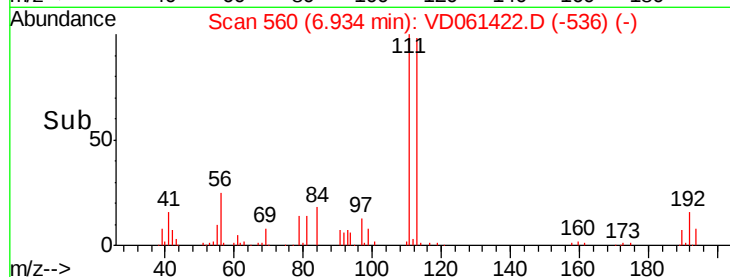
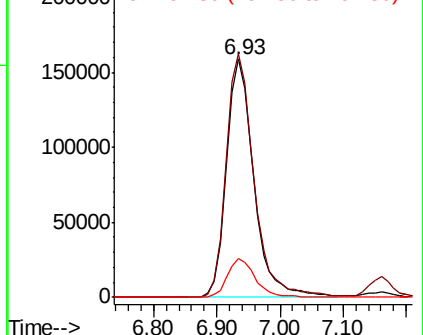
113 100

111 102.3 81.0 121.6

192 16.5 14.4 21.6



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: 50.539 ug/l

RT: 7.16 min Scan# 583

Delta R.T. 0.04 min

Lab File: VD061422.D

Acq: 29 Mar 2019 11:18

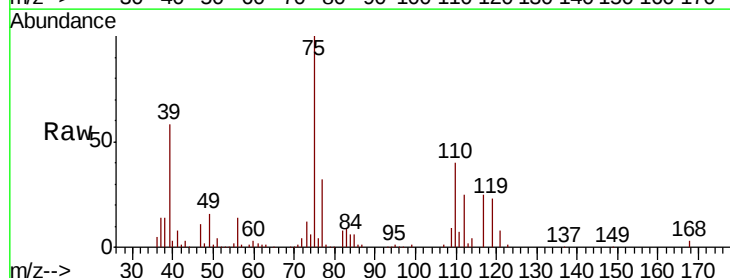
Tgt Ion: 75 Resp: 524569

Ion Ratio Lower Upper

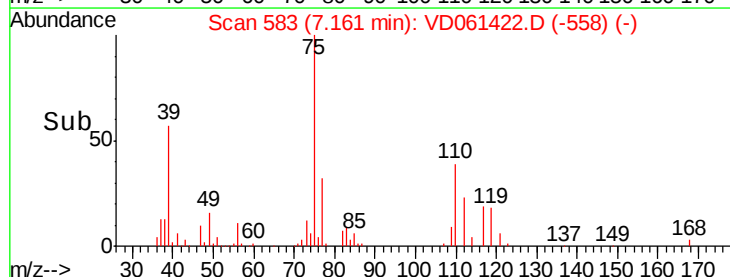
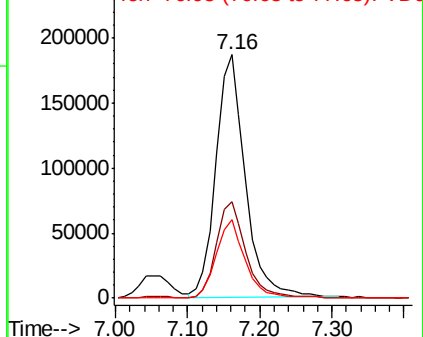
75 100

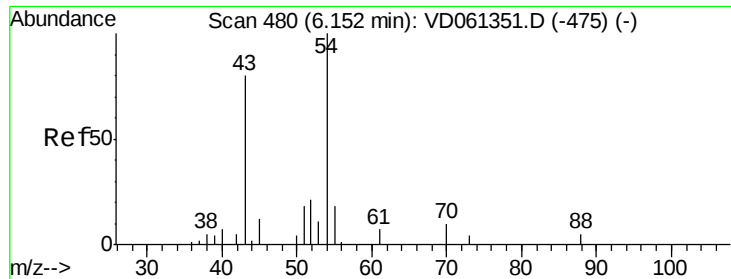
110 39.8 20.4 61.3

77 32.0 24.9 37.3



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

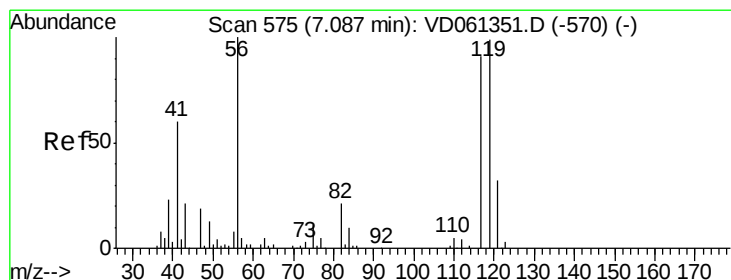
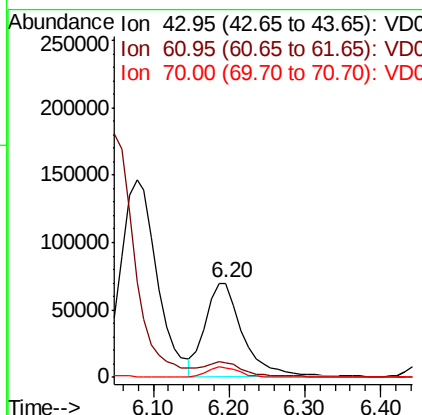
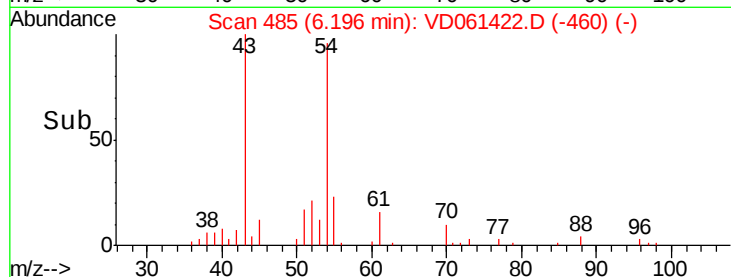
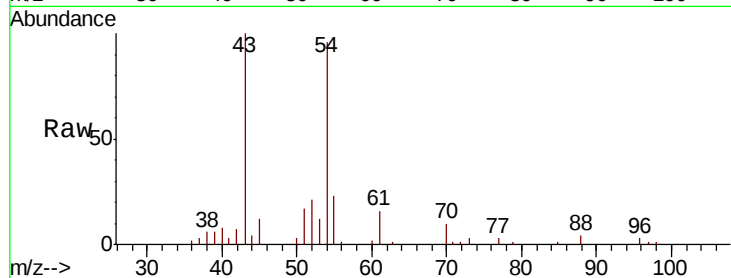




#37
Ethyl Acetate
Concen: 53.461 ug/l
RT: 6.20 min Scan# 485
Delta R.T. 0.04 min
Lab File: VD061422.D
Acq: 29 Mar 2019 11:18

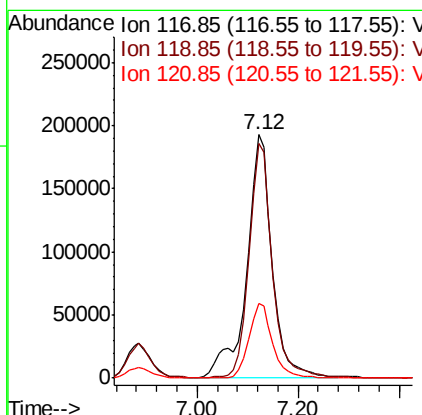
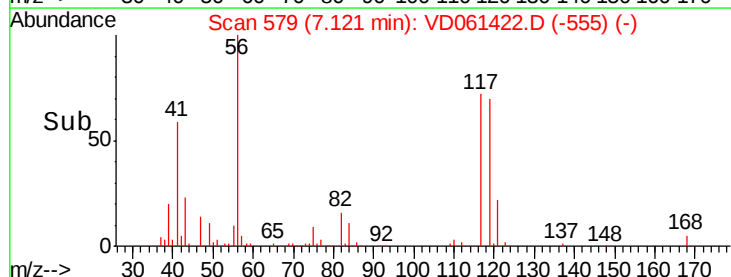
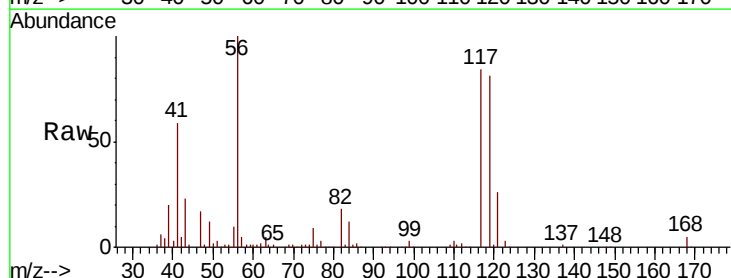
Instrument :
MSVOA_D
ClientSampleID :

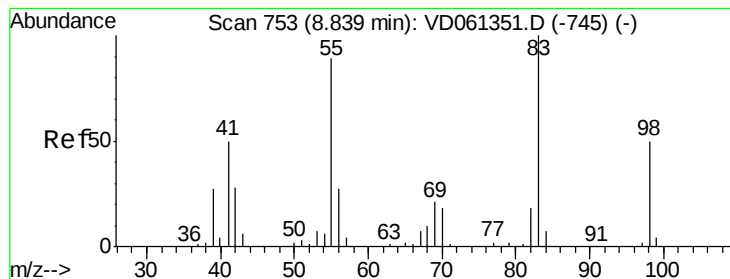
Tot Ion: 43 Resp: 237315
Ion Ratio Lower Upper
43 100
61 15.9 13.8 20.8
70 9.8 7.8 11.8



#38
Carbon Tetrachloride
Concen: 56.652 ug/l
RT: 7.12 min Scan# 579
Delta R.T. 0.03 min
Lab File: VD061422.D
Acq: 29 Mar 2019 11:18

Tgt Ion: 117 Resp: 675685
Ion Ratio Lower Upper
117 100
119 96.6 80.1 120.1
121 30.8 25.6 38.4





#39

Methvlcvclohexane

Concen: 51.981 ug/l

RT: 8.87 min Scan# 757

Delta R.T. 0.03 min

Lab File: VD061422.D

Acq: 29 Mar 2019 11:18

Instrument :

MSVOA_D

ClientSampleId :

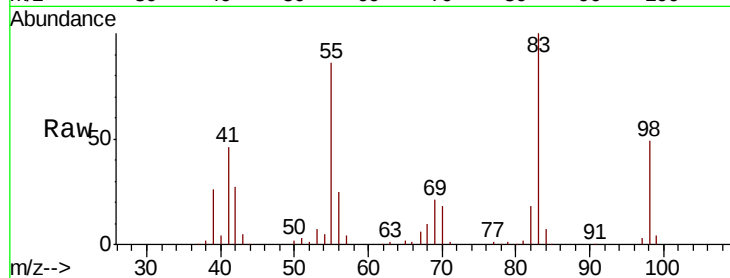
Tot Ion: 83 Resp: 561920

Ion Ratio Lower Upper

83 100

55 85.8 71.5 107.3

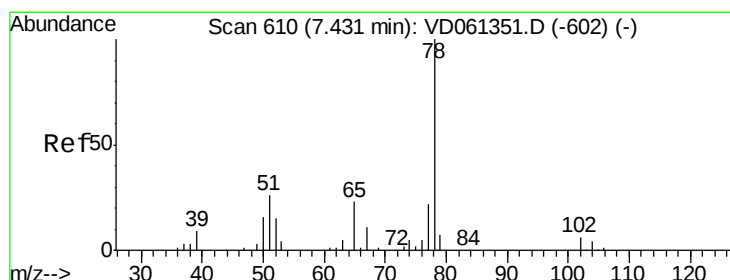
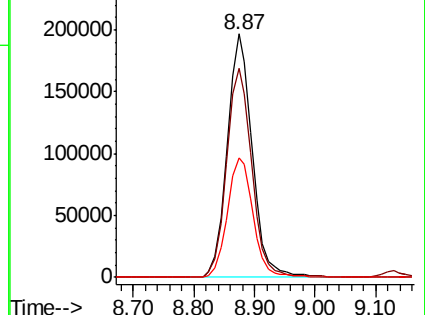
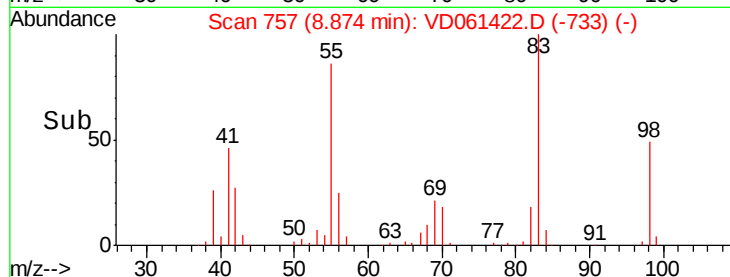
98 49.3 40.3 60.5



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: 51.484 ug/l

RT: 7.47 min Scan# 614

Delta R.T. 0.03 min

Lab File: VD061422.D

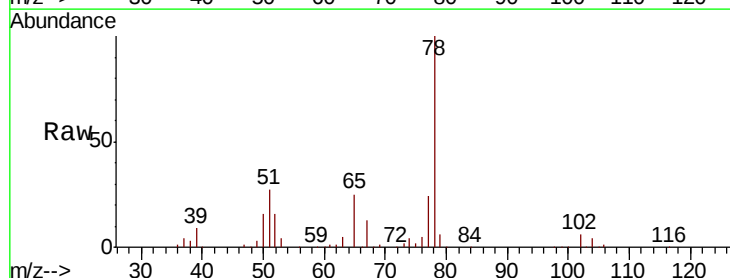
Acq: 29 Mar 2019 11:18

Tgt Ion: 78 Resp: 1341146

Ion Ratio Lower Upper

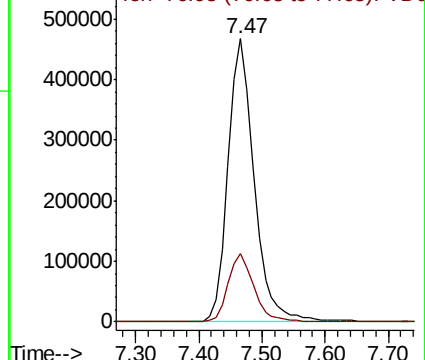
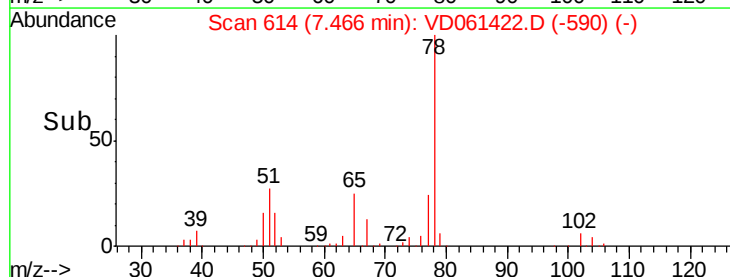
78 100

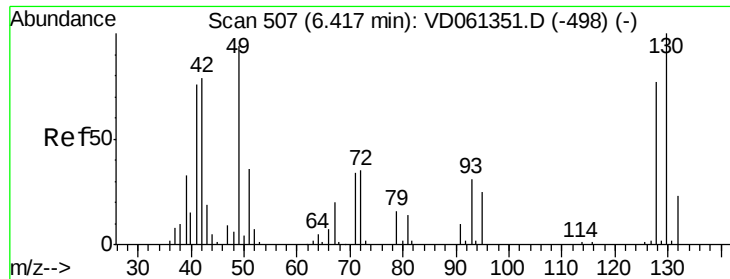
77 24.3 17.8 26.6



Abundance Ion 77.95 (77.65 to 78.65): VDC

Ion 76.95 (76.65 to 77.65): VDC

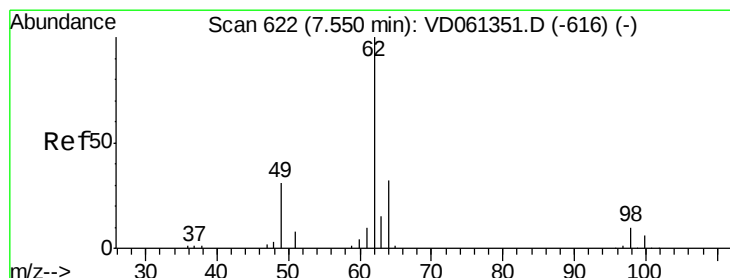
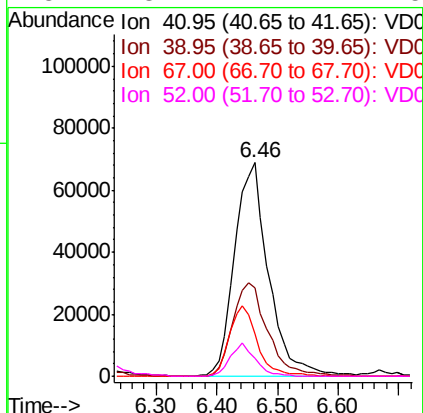
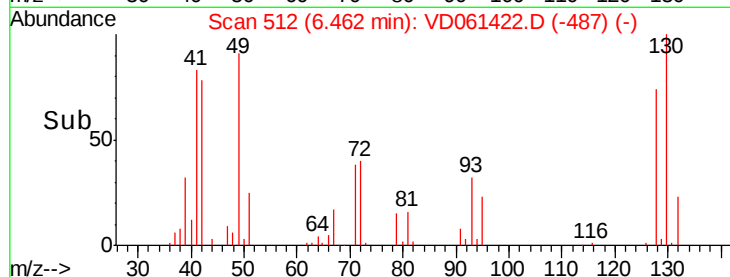
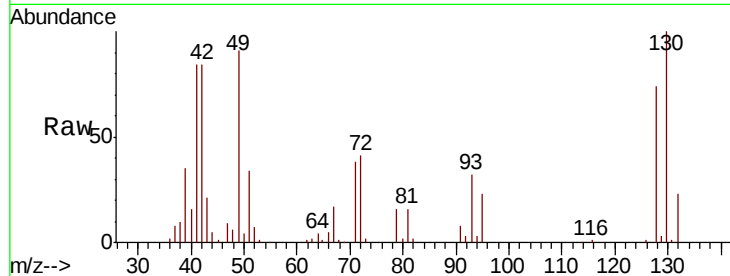




#41
Methacrylonitrile
Concen: 51.838 ug/l
RT: 6.46 min Scan# 512
Delta R.T. 0.04 min
Lab File: VD061422.D
Acq: 29 Mar 2019 11:18

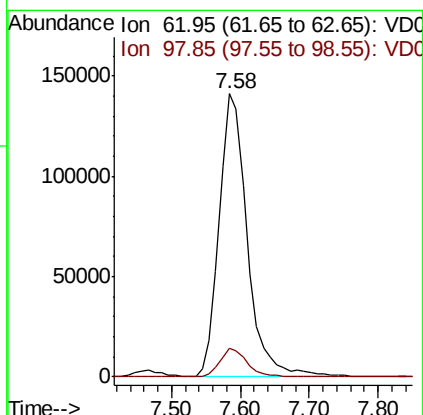
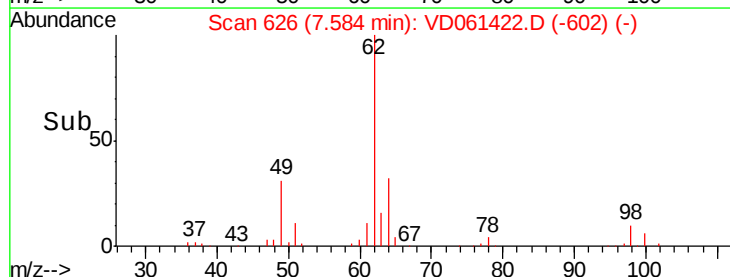
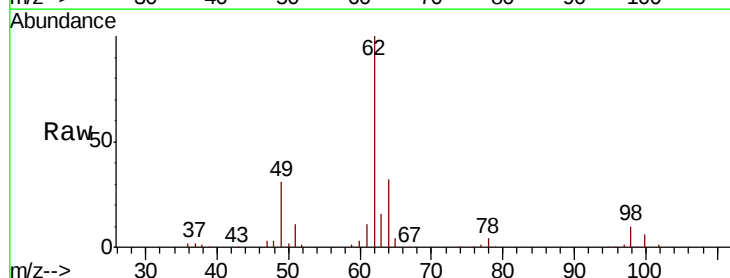
Instrument :
MSVOA_D
ClientSampleId :

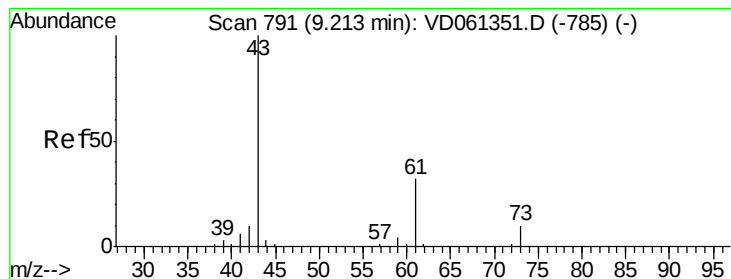
Tot Ion: 41 Resp: 269055
Ion Ratio Lower Upper
41 100
39 41.5 35.0 52.6
67 19.8 21.0 31.6#
52 8.7 7.7 11.5



#42
1,2-Dichloroethane
Concen: 51.347 ug/l
RT: 7.58 min Scan# 626
Delta R.T. 0.03 min
Lab File: VD061422.D
Acq: 29 Mar 2019 11:18

Tgt Ion: 62 Resp: 400104
Ion Ratio Lower Upper
62 100
98 10.1 0.0 19.8





#43

Isopropyl Acetate

Concen: 50.254 ug/l

RT: 9.25 min Scan# 795

Delta R.T. 0.03 min

Lab File: VD061422.D

Acq: 29 Mar 2019 11:18

Instrument :

MSVOA_D

ClientSampleId :

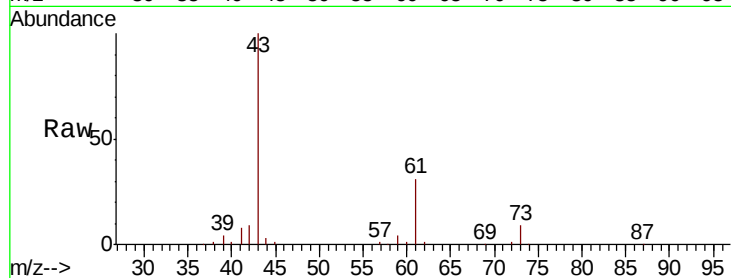
Tot Ion: 43 Resp: 324576

Ion Ratio Lower Upper

43 100

61 31.4 25.8 38.6

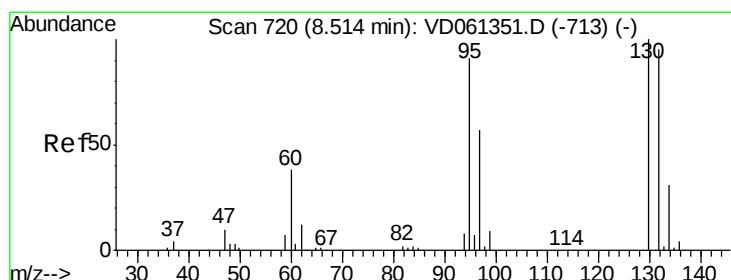
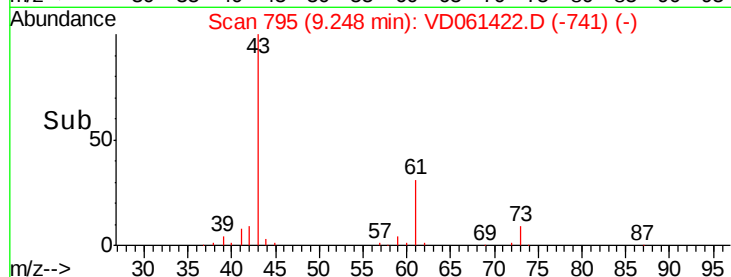
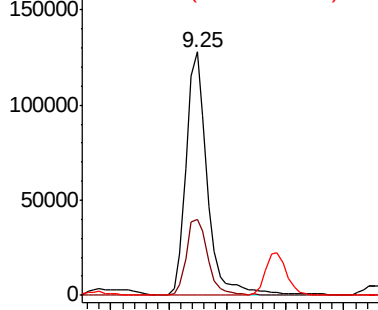
87 0.3 0.0 0.0#



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: 51.972 ug/l

RT: 8.55 min Scan# 724

Delta R.T. 0.03 min

Lab File: VD061422.D

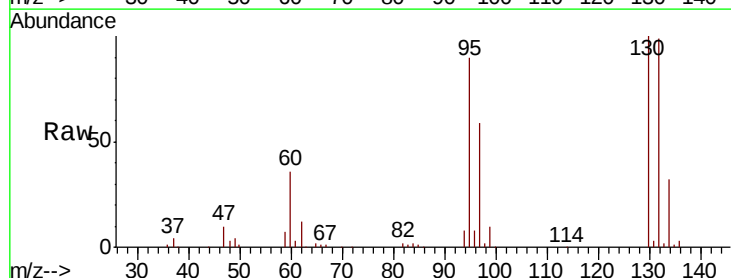
Acq: 29 Mar 2019 11:18

Tgt Ion:130 Resp: 503829

Ion Ratio Lower Upper

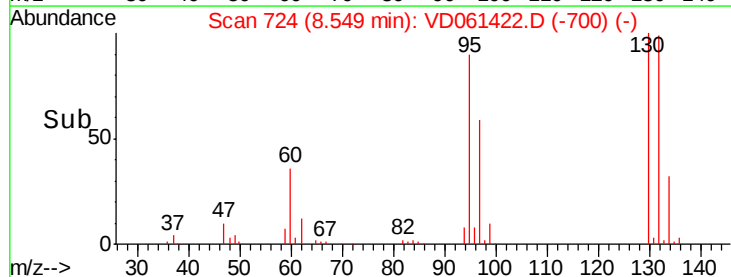
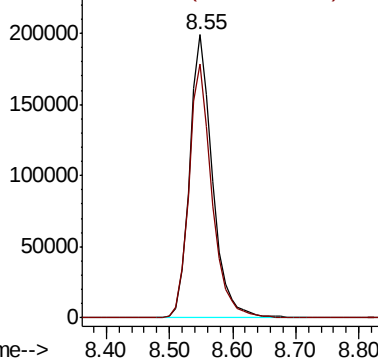
130 100

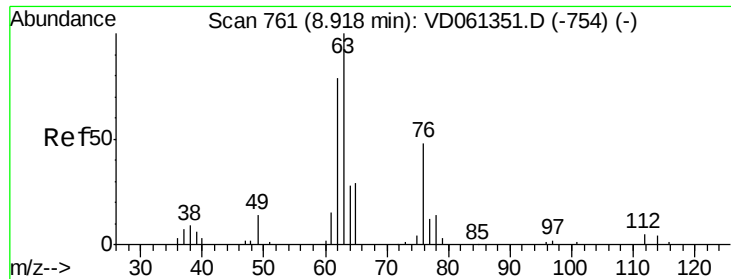
95 89.5 0.0 181.4



Abundance Ion 129.80 (129.50 to 130.50): VDC

Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 46.304 ug/l

RT: 8.94 min Scan# 764

Delta R.T. 0.02 min

Lab File: VD061422.D

Acq: 29 Mar 2019 11:18

Instrument :

MSVOA_D

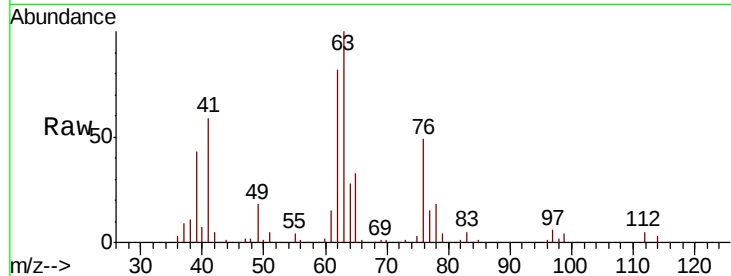
ClientSampled :

Tot Ion: 63 Resp: 305858

Ion Ratio Lower Upper

63 100

65 33.2 25.0 37.4



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC

8.94

120000

100000

80000

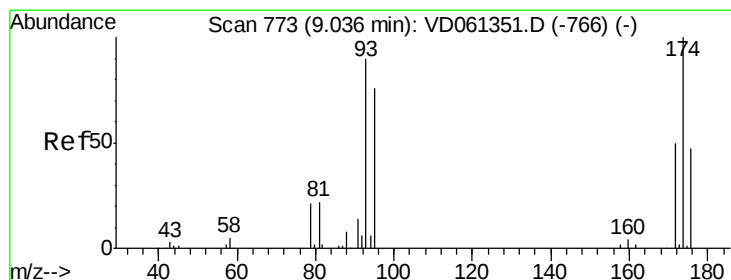
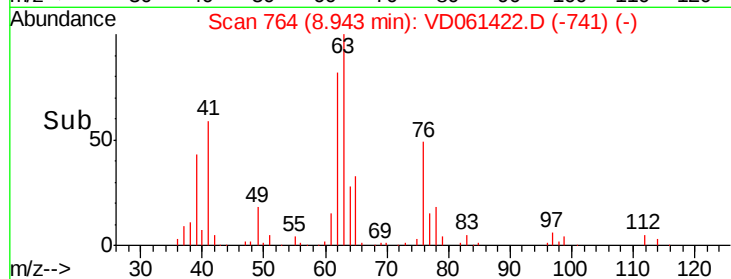
60000

40000

20000

0

Time-->



#46

Dibromomethane

Concen: 51.941 ug/l

RT: 9.07 min Scan# 777

Delta R.T. 0.03 min

Lab File: VD061422.D

Acq: 29 Mar 2019 11:18

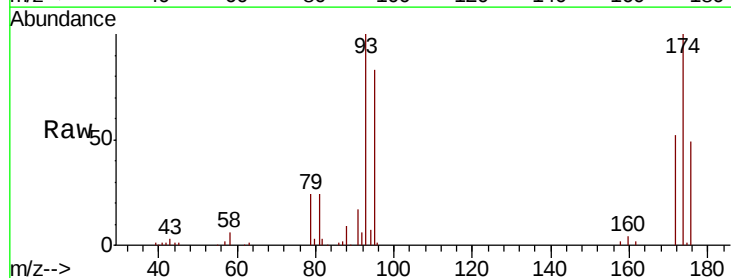
Tgt Ion: 93 Resp: 230926

Ion Ratio Lower Upper

93 100

95 83.0 67.4 101.0

174 100.4 88.9 133.3



Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

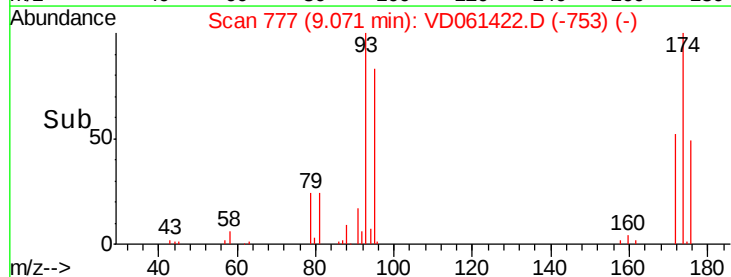
Ion 173.80 (173.50 to 174.50): V

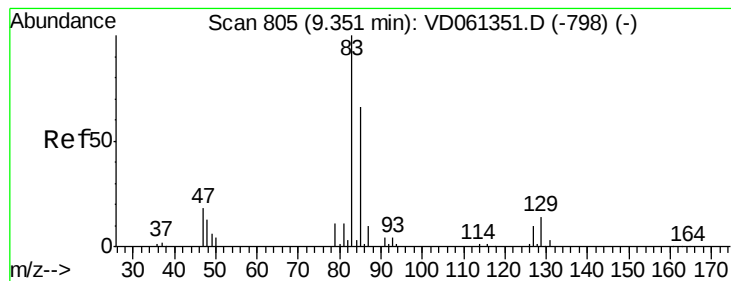
100000

50000

0

Time-->





#47

Bromodichloromethane

Concen: 54.607 ug/l

RT: 9.39 min Scan# 809

Delta R.T. 0.03 min

Lab File: VD061422.D

Acq: 29 Mar 2019 11:18

Instrument :

MSVOA_D

ClientSampleId :

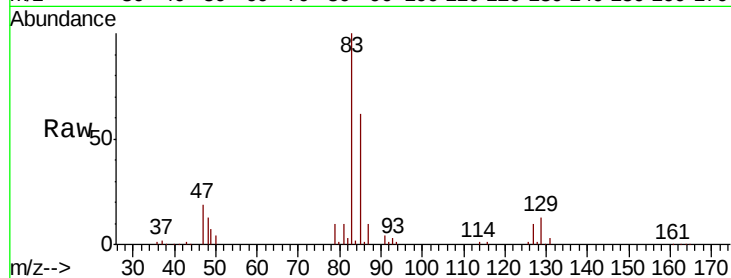
Tot Ion: 83 Resp: 544910

Ion Ratio Lower Upper

83 100

85 62.2 53.0 79.4

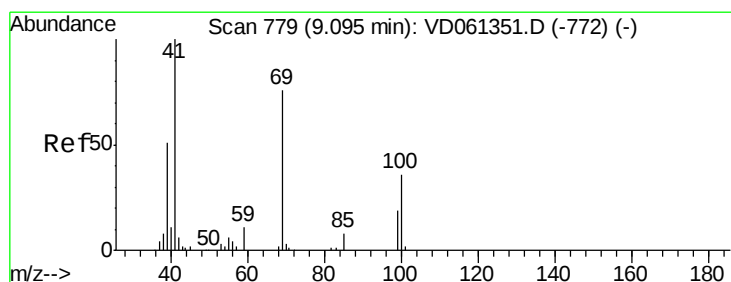
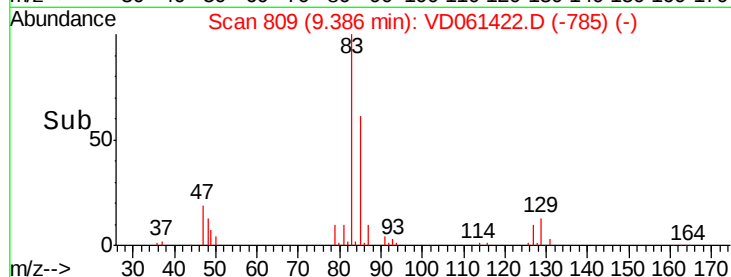
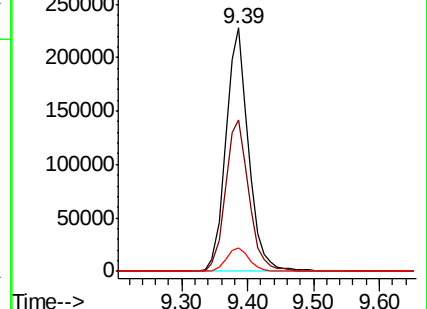
127 9.6 8.4 12.6



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: 48.194 ug/l

RT: 9.13 min Scan# 783

Delta R.T. 0.03 min

Lab File: VD061422.D

Acq: 29 Mar 2019 11:18

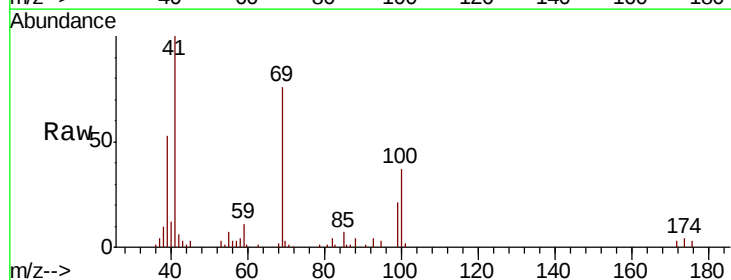
Tgt Ion: 41 Resp: 171788

Ion Ratio Lower Upper

41 100

69 76.2 60.2 90.4

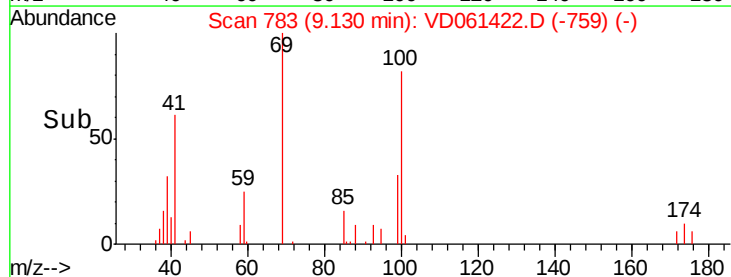
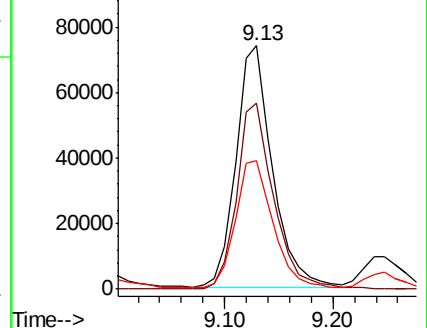
39 53.0 41.4 62.2

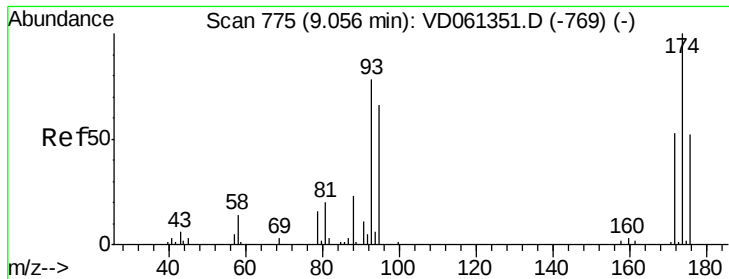


Abundance Ion 40.95 (40.65 to 41.65): VDC

Ion 69.00 (68.70 to 69.70): VDC

Ion 38.95 (38.65 to 39.65): VDC





#49

1,4-Dioxane

Concen: 990.485 ug/l

RT: 9.08 min Scan# 778

Delta R.T. 0.02 min

Lab File: VD061422.D

Acq: 29 Mar 2019 11:18

Instrument :

MSVOA_D

ClientSampleId :

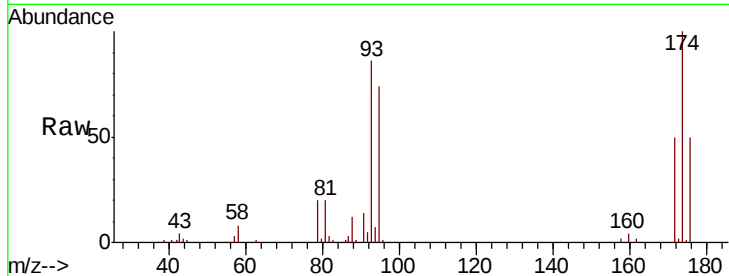
Tot Ion: 88 Resp: 38942

Ion Ratio Lower Upper

88 100

43 30.9 23.3 34.9

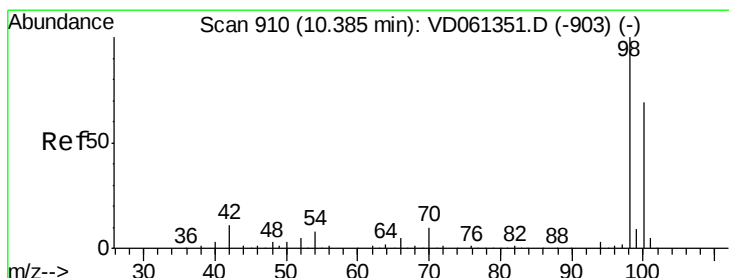
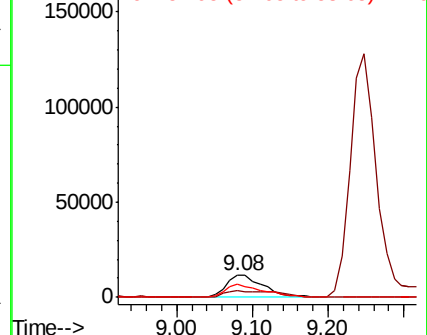
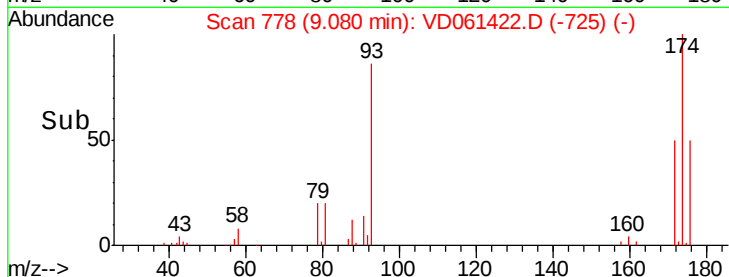
58 62.8 50.8 76.2



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: 990.485 ug/l

RT: 10.42 min Scan# 914

Delta R.T. 0.03 min

Lab File: VD061422.D

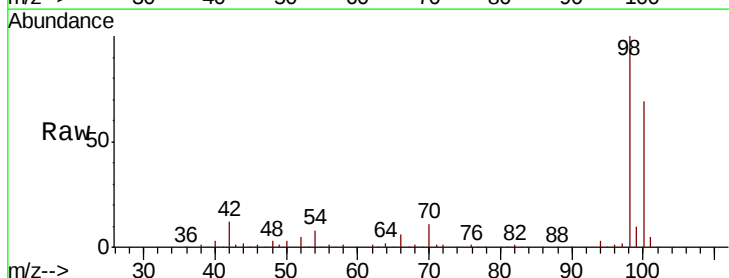
Acq: 29 Mar 2019 11:18

Tgt Ion: 98 Resp: 1168512

Ion Ratio Lower Upper

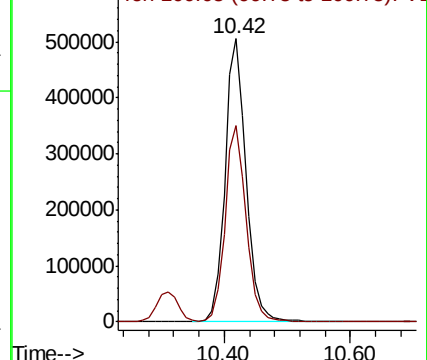
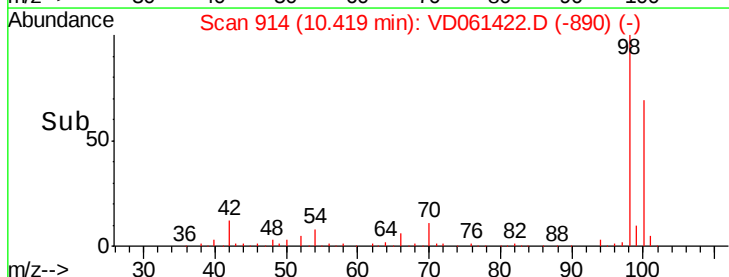
98 100

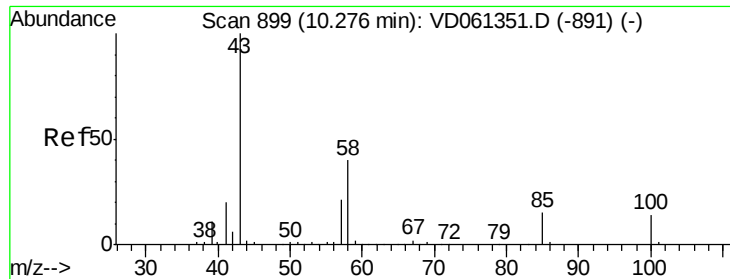
100 69.3 56.2 84.2



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: 255.418 ug/l

RT: 10.31 min Scan# 903

Delta R.T. 0.03 min

Lab File: VD061422.D

Acq: 29 Mar 2019 11:18

Instrument :

MSVOA_D

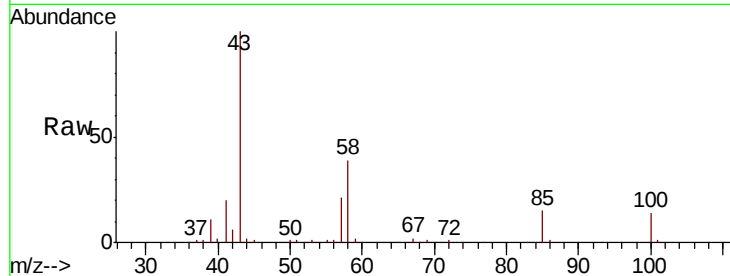
ClientSampled :

Tot Ion: 43 Resp: 1003649

Ion Ratio Lower Upper

43 100

58 38.7 31.8 47.8



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

10.31

400000

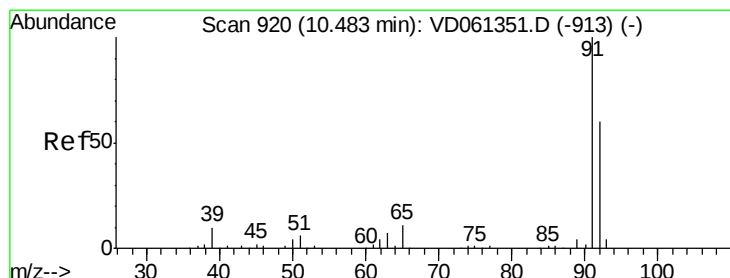
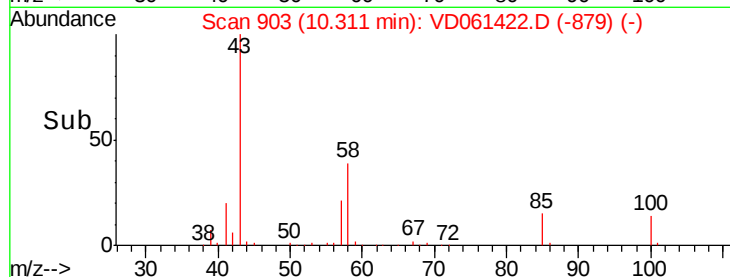
300000

200000

100000

0

Time-->



#52

Toluene

Concen: 46.518 ug/l

RT: 10.52 min Scan# 924

Delta R.T. 0.03 min

Lab File: VD061422.D

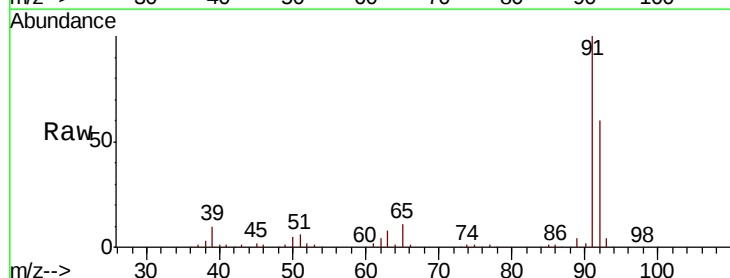
Acq: 29 Mar 2019 11:18

Tgt Ion: 92 Resp: 739278

Ion Ratio Lower Upper

92 100

91 165.4 133.3 199.9



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

600000

500000

400000

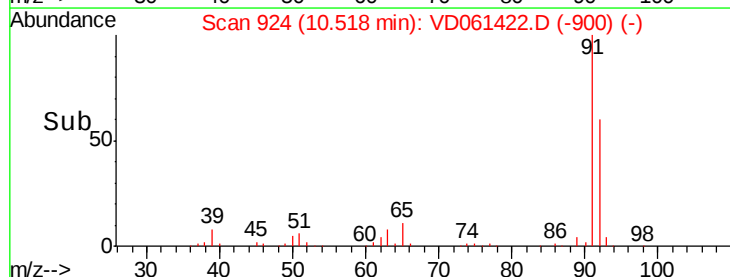
300000

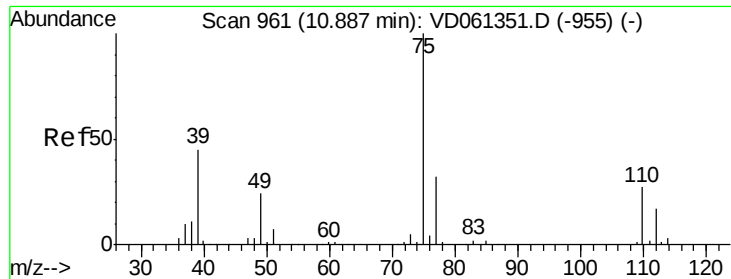
200000

100000

0

Time-->

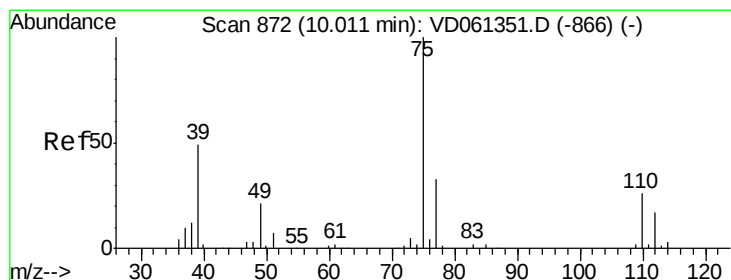
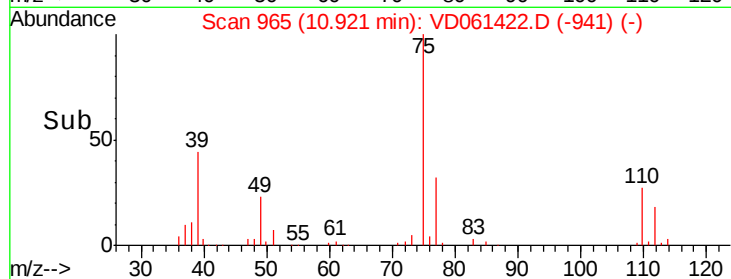
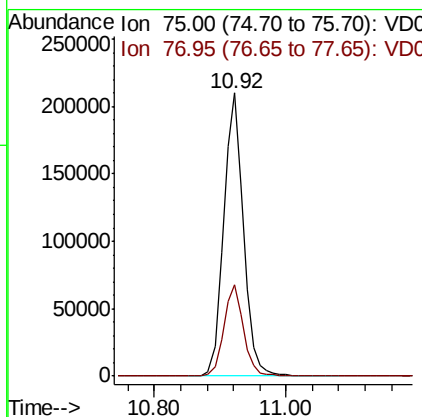
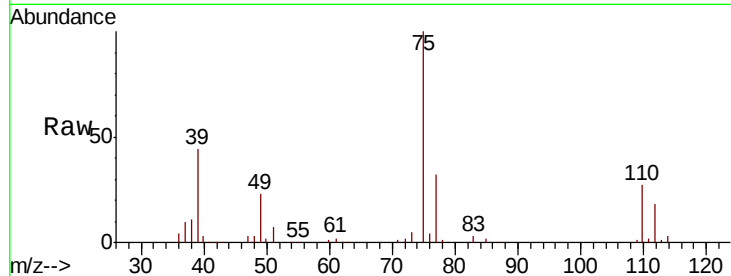




#53
t-1,3-Dichloropropene
Concen: 48.604 ug/l
RT: 10.92 min Scan# 965
Delta R.T. 0.03 min
Lab File: VD061422.D
Acq: 29 Mar 2019 11:18

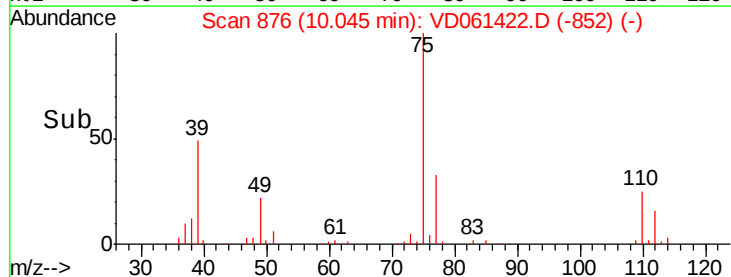
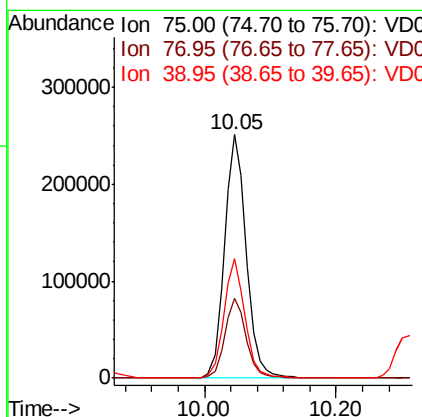
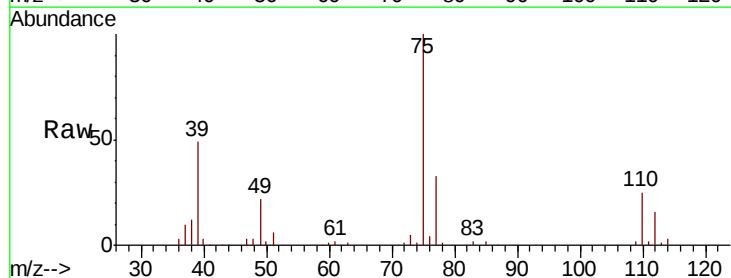
Instrument :
MSVOA_D
ClientSampled :

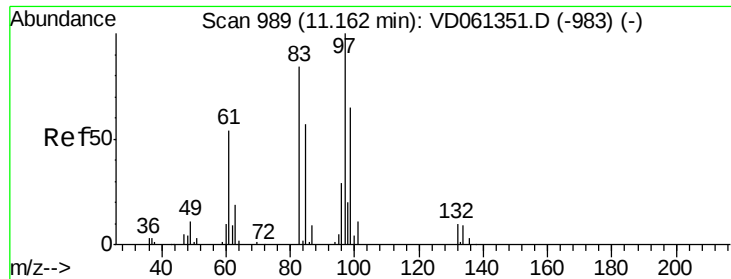
Tot Ion: 75 Resp: 440650
Ion Ratio Lower Upper
75 100
77 32.1 25.4 38.2



#54
cis-1,3-Dichloropropene
Concen: 52.547 ug/l
RT: 10.05 min Scan# 876
Delta R.T. 0.03 min
Lab File: VD061422.D
Acq: 29 Mar 2019 11:18

Tgt Ion: 75 Resp: 580096
Ion Ratio Lower Upper
75 100
77 33.0 26.2 39.4
39 49.3 39.4 59.0





#55

1,1,2-Trichloroethane

Concen: 50.212 ug/l

RT: 11.20 min Scan# 993

Delta R.T. 0.03 min

Lab File: VD061422.D

Acq: 29 Mar 2019 11:18

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 97 Resp: 279073

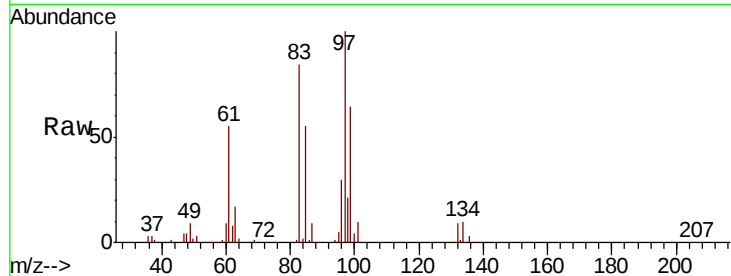
Ion Ratio Lower Upper

97 100

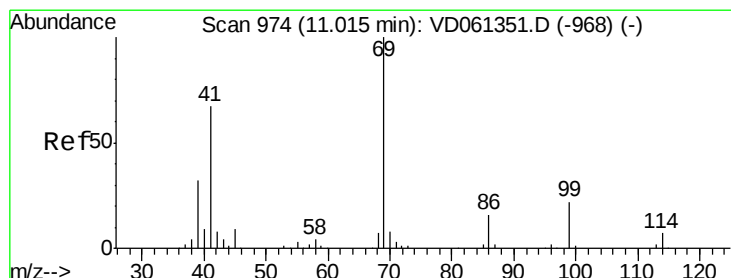
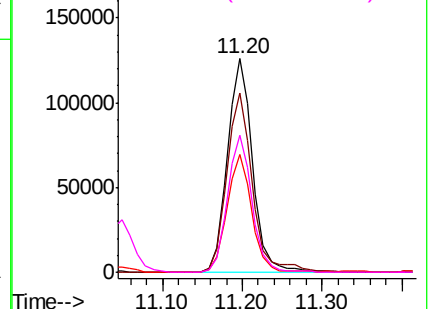
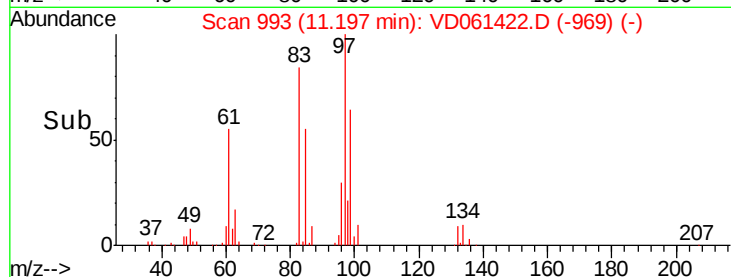
83 84.1 67.0 100.6

85 54.9 45.4 68.2

99 63.9 51.9 77.9



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: 49.566 ug/l

RT: 11.05 min Scan# 978

Delta R.T. 0.03 min

Lab File: VD061422.D

Acq: 29 Mar 2019 11:18

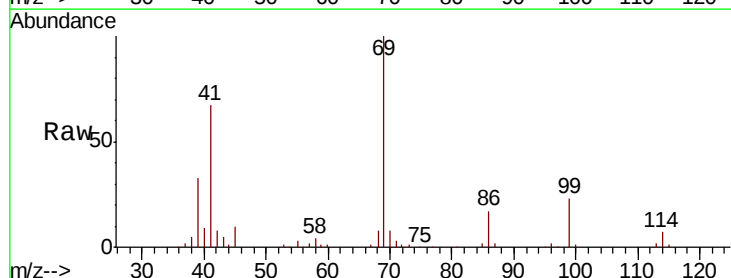
Tgt Ion: 69 Resp: 295943

Ion Ratio Lower Upper

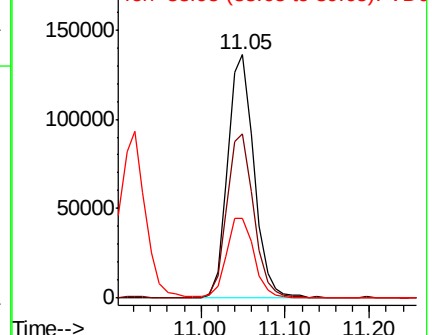
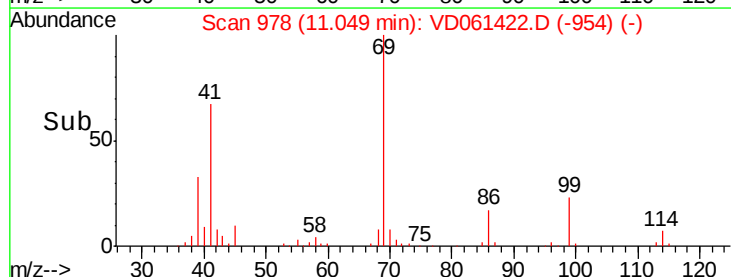
69 100

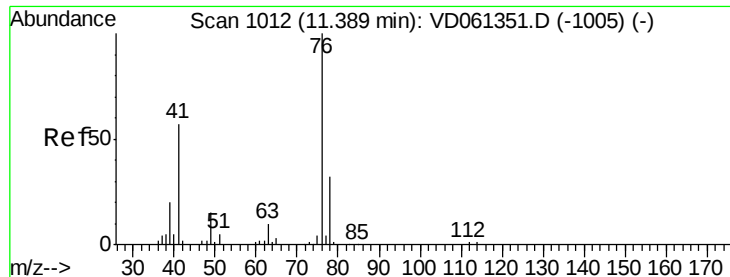
41 67.4 53.8 80.6

39 32.8 26.4 39.6



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: 47.936 ug/l

RT: 11.41 min Scan# 1015

Delta R.T. 0.02 min

Lab File: VD061422.D

Acq: 29 Mar 2019 11:18

Instrument :

MSVOA_D

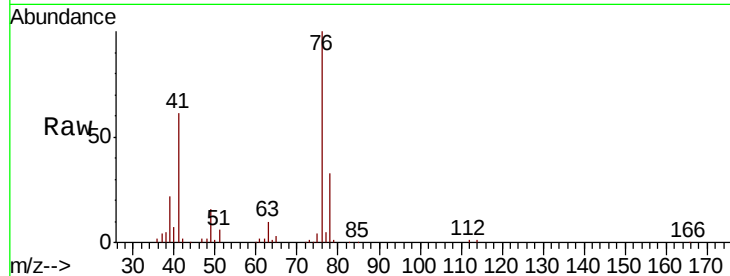
ClientSampleId :

Tot Ion: 76 Resp: 391589

Ion Ratio Lower Upper

76 100

78 33.0 25.4 38.0



Abundance Ion 75.95 (75.65 to 76.65): VDC

Ion 77.95 (77.65 to 78.65): VDC

11.41

200000

150000

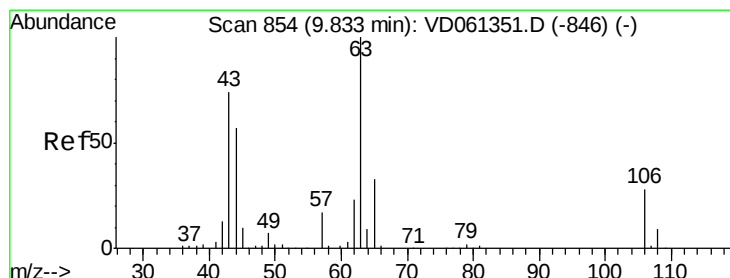
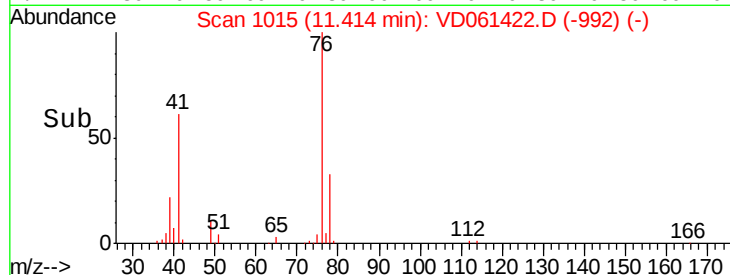
100000

50000

0

11.30 11.40 11.50 11.60

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 241.935 ug/l

RT: 9.87 min Scan# 858

Delta R.T. 0.03 min

Lab File: VD061422.D

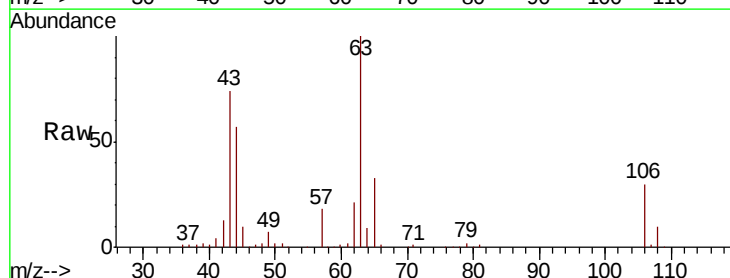
Acq: 29 Mar 2019 11:18

Tgt Ion: 63 Resp: 703466

Ion Ratio Lower Upper

63 100

106 29.8 22.4 33.6



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): VDC

9.87

300000

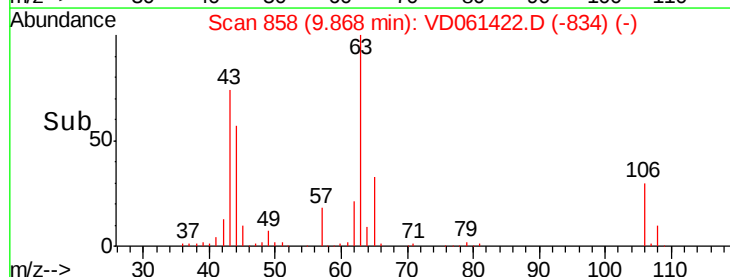
200000

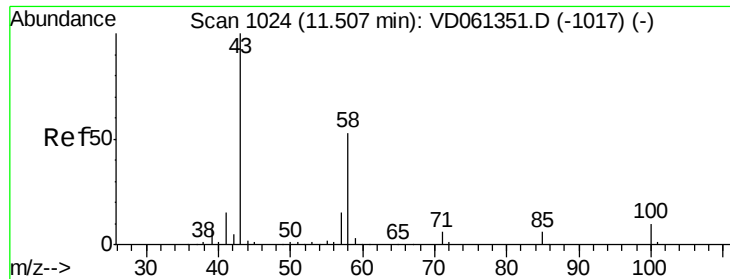
100000

0

9.70 9.80 9.90 10.00

Time-->





#59

2-Hexanone

Concen: 253.598 ug/l

RT: 11.53 min Scan# 1027

Delta R.T. 0.02 min

Lab File: VD061422.D

Acq: 29 Mar 2019 11:18

Instrument :

MSVOA_D

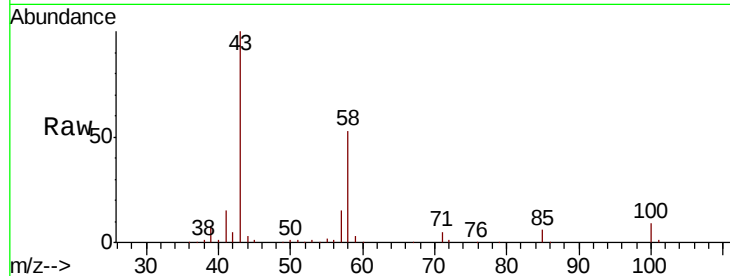
ClientSampled :

Tot Ion: 43 Resp: 721992

Ion Ratio Lower Upper

43 100

58 52.6 26.3 78.9



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

11.53

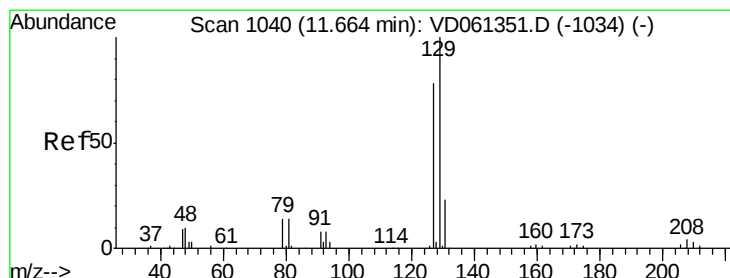
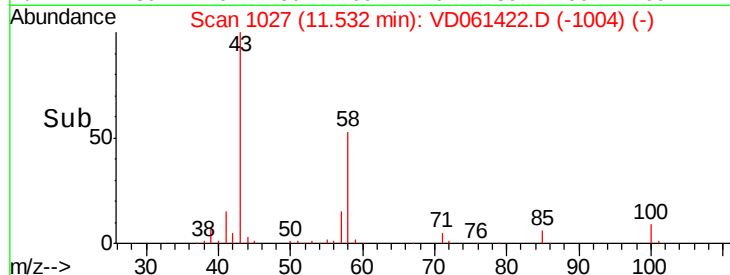
300000

200000

100000

0

Time--> 11.40 11.50 11.60 11.70



#60

Dibromochloromethane

Concen: 49.100 ug/l

RT: 11.69 min Scan# 1043

Delta R.T. 0.02 min

Lab File: VD061422.D

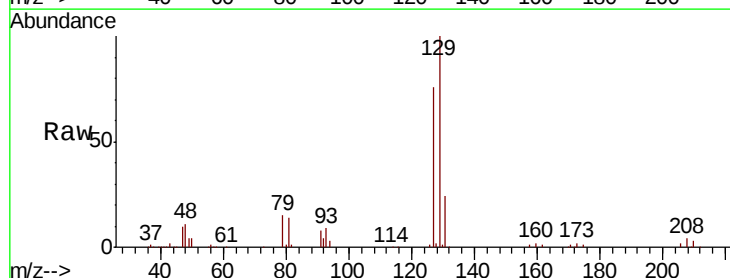
Acq: 29 Mar 2019 11:18

Tgt Ion:129 Resp: 420693

Ion Ratio Lower Upper

129 100

127 75.7 39.0 116.9



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V

11.69

250000

200000

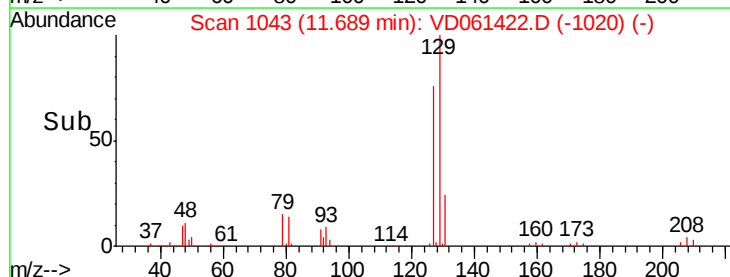
150000

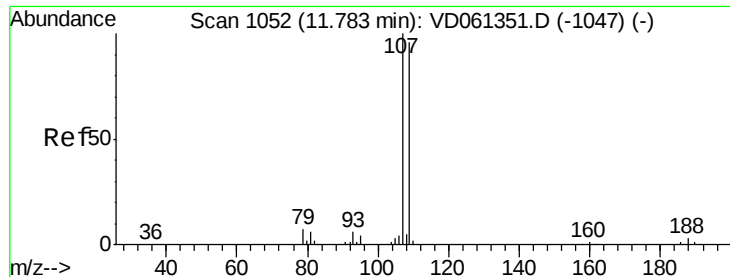
100000

50000

0

Time--> 11.60 11.70 11.80 11.90

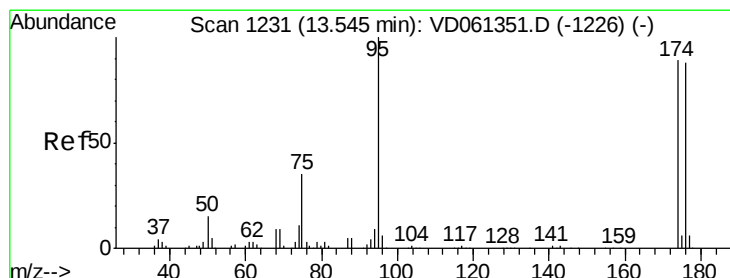
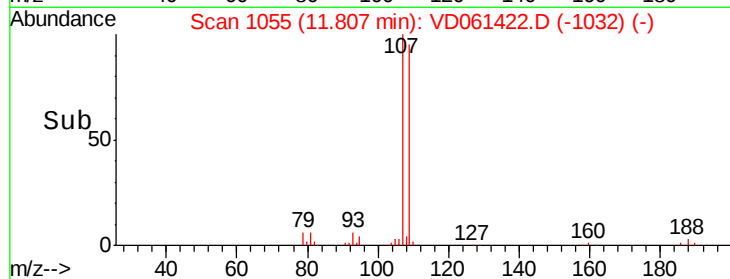
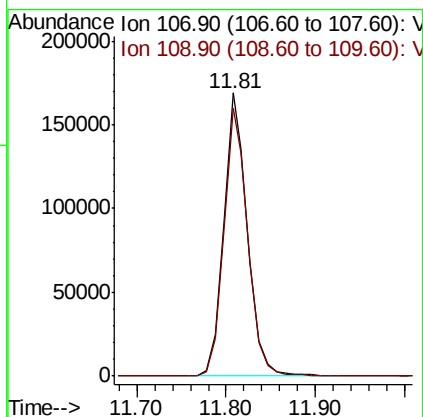
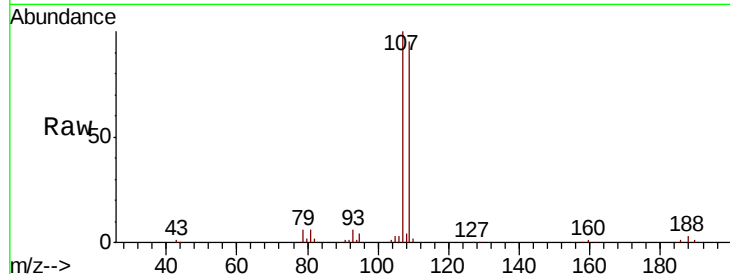




#61
 1,2-Dibromoethane
 Concen: 48.649 ug/l
 RT: 11.81 min Scan# 1055
 Delta R.T. 0.02 min
 Lab File: VD061422.D
 Acq: 29 Mar 2019 11:18

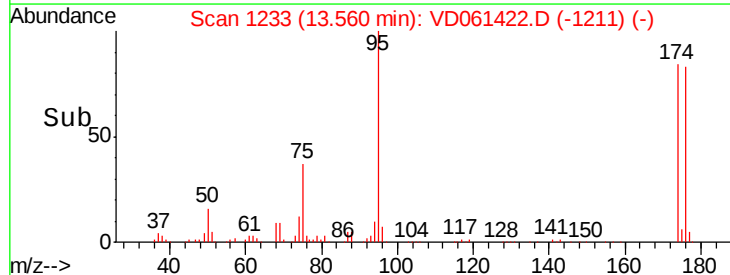
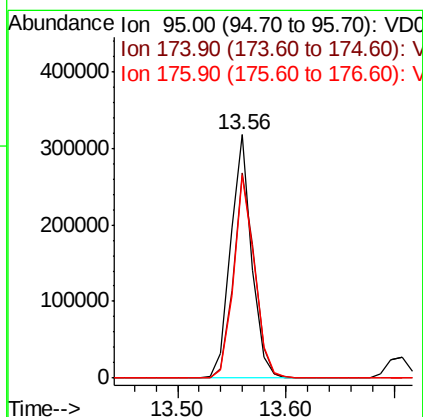
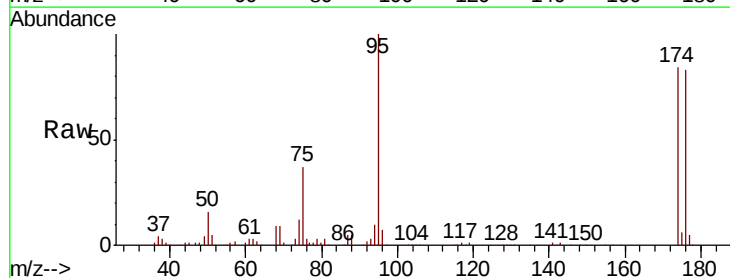
Instrument :
 MSVOA_D
 ClientSampleId :

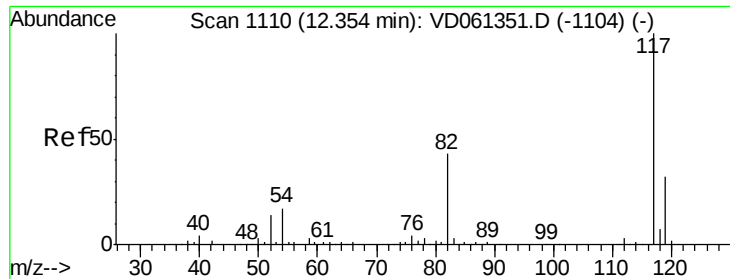
Tot Ion: 107 Resp: 313091
 Ion Ratio Lower Upper
 107 100
 109 94.7 76.6 114.8



#62
 4-Bromofluorobenzene
 Concen: 48.649 ug/l
 RT: 13.56 min Scan# 1233
 Delta R.T. 0.01 min
 Lab File: VD061422.D
 Acq: 29 Mar 2019 11:18

Tgt Ion: 95 Resp: 427760
 Ion Ratio Lower Upper
 95 100
 174 84.2 0.0 178.0
 176 83.3 0.0 175.0

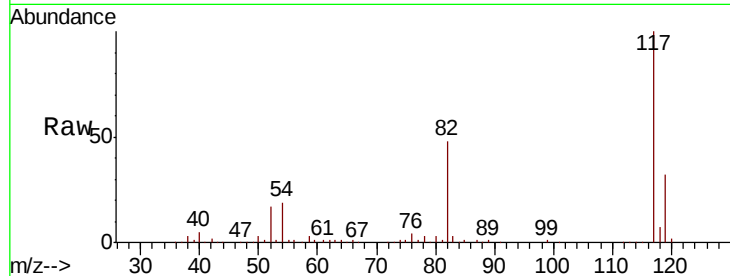




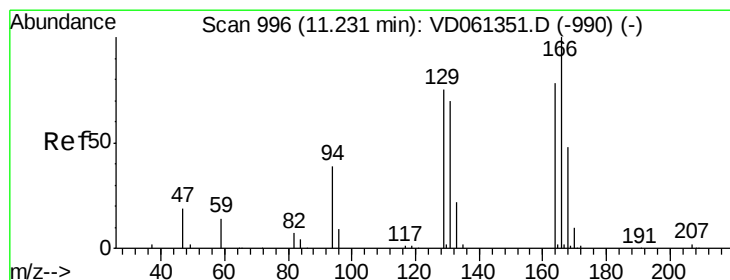
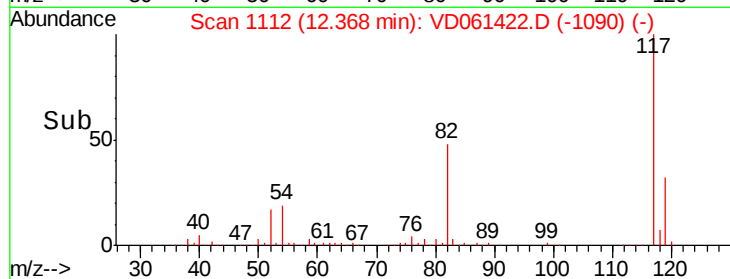
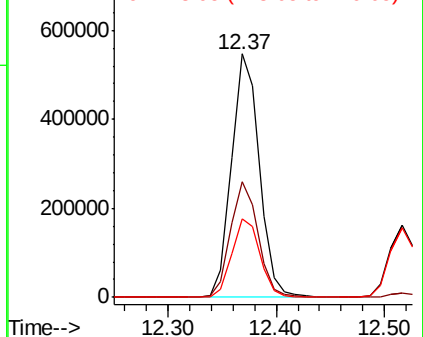
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.37 min Scan# 1112
Delta R.T. 0.01 min
Lab File: VD061422.D
Acq: 29 Mar 2019 11:18

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:117 Resp: 979655
Ion Ratio Lower Upper
117 100
82 47.6 34.4 51.6
119 32.5 25.8 38.6

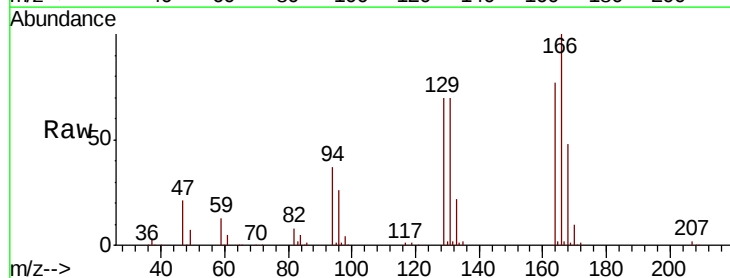


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

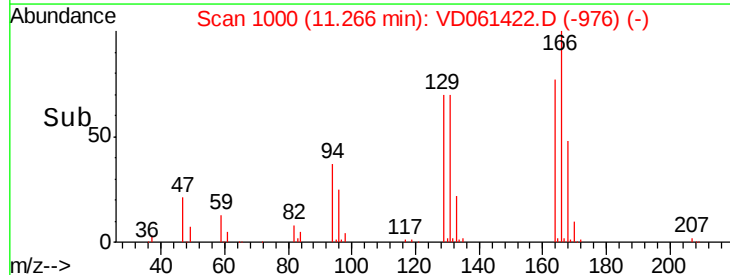
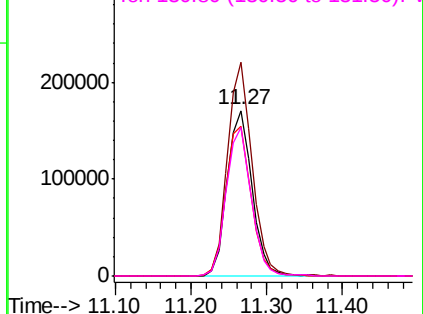


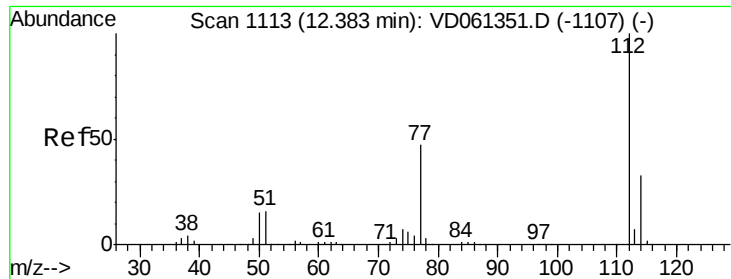
#64
Tetrachloroethene
Concen: 50.406 ug/l
RT: 11.27 min Scan# 1000
Delta R.T. 0.03 min
Lab File: VD061422.D
Acq: 29 Mar 2019 11:18

Tgt Ion:164 Resp: 387548
Ion Ratio Lower Upper
164 100
166 129.1 102.4 153.6
129 90.5 76.8 115.2
131 89.8 71.8 107.6



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

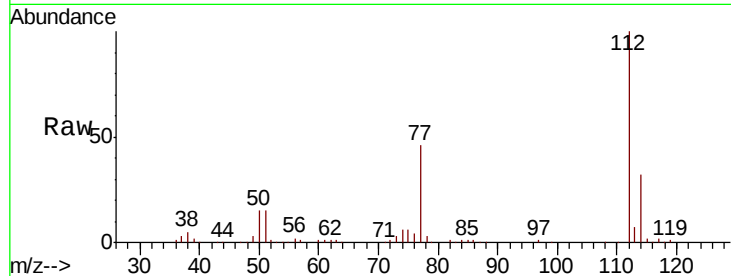




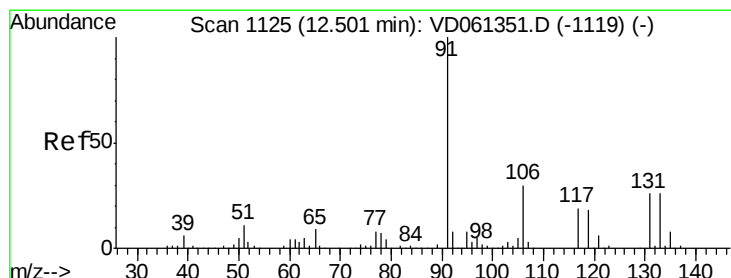
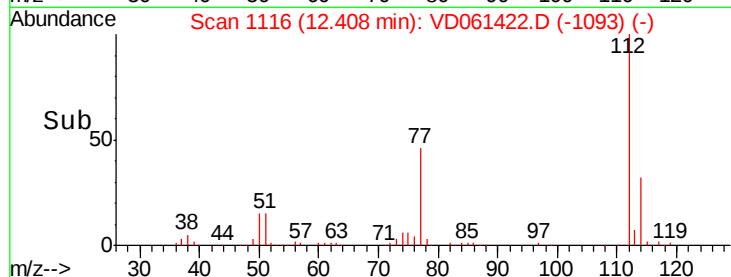
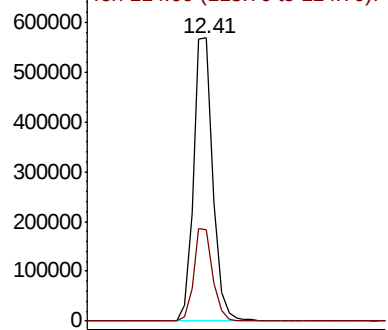
#65
Chlorobenzene
Concen: 50.584 ug/l
RT: 12.41 min Scan# 1116
Delta R.T. 0.02 min
Lab File: VD061422.D
Acq: 29 Mar 2019 11:18

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:112 Resp: 1012745
Ion Ratio Lower Upper
112 100
114 32.5 26.6 39.8

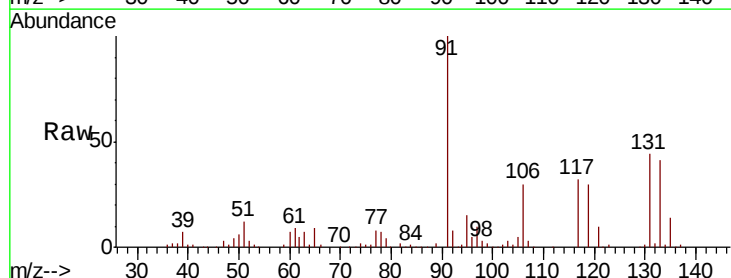


Abundance Ion 111.90 (111.60 to 112.60): V
Ion 114.00 (113.70 to 114.70): V

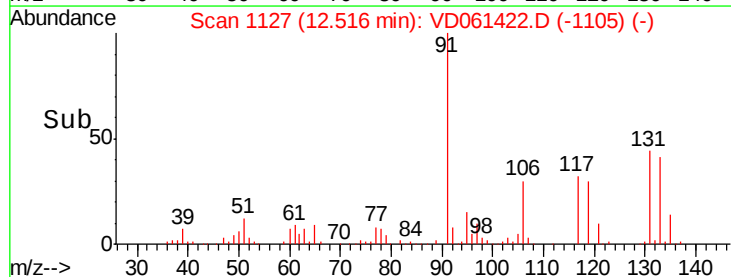
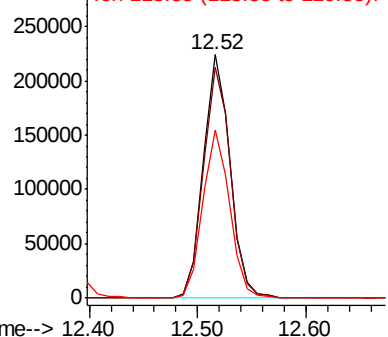


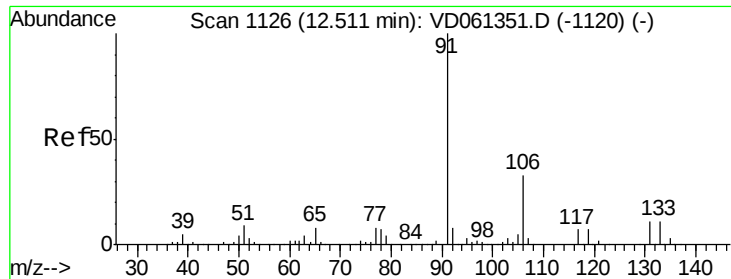
#66
1,1,1,2-Tetrachloroethane
Concen: 49.593 ug/l
RT: 12.52 min Scan# 1127
Delta R.T. 0.01 min
Lab File: VD061422.D
Acq: 29 Mar 2019 11:18

Tgt Ion:131 Resp: 384438
Ion Ratio Lower Upper
131 100
133 95.0 49.4 148.2
119 69.1 34.1 102.2



Abundance Ion 130.90 (130.60 to 131.60): V
Ion 132.90 (132.60 to 133.60): V
Ion 118.85 (118.55 to 119.55): V

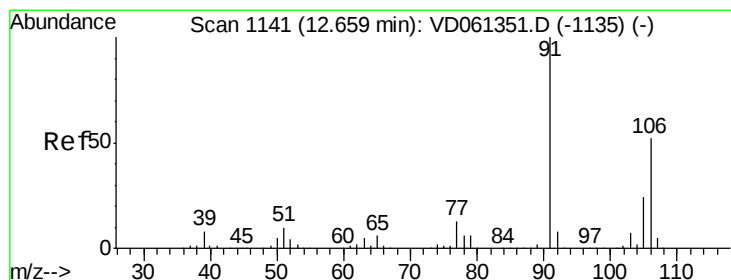
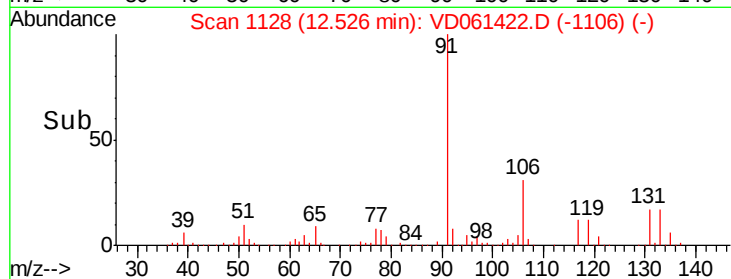
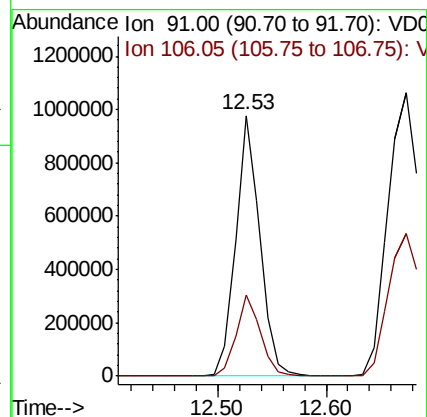
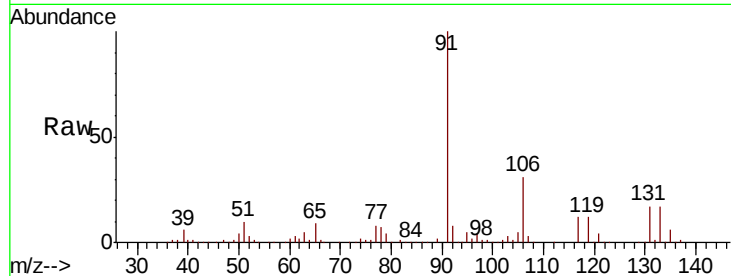




#67
Ethvl Benzene
Concen: 49.719 ug/l
RT: 12.53 min Scan# 1128
Delta R.T. 0.01 min
Lab File: VD061422.D
Acq: 29 Mar 2019 11:18

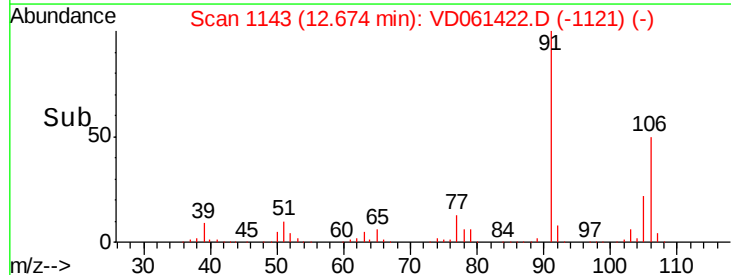
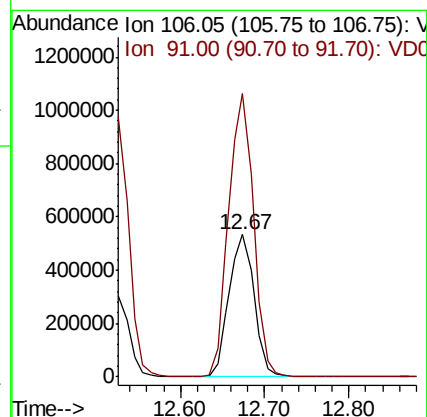
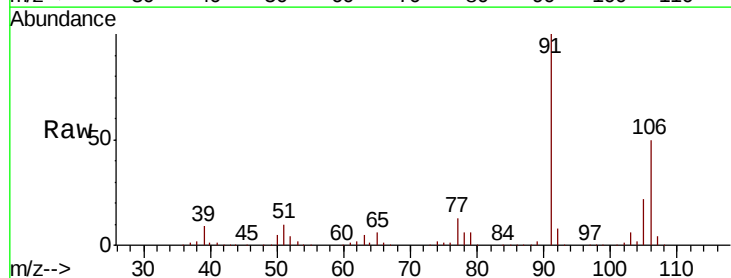
Instrument :
MSVOA_D
ClientSampleId :

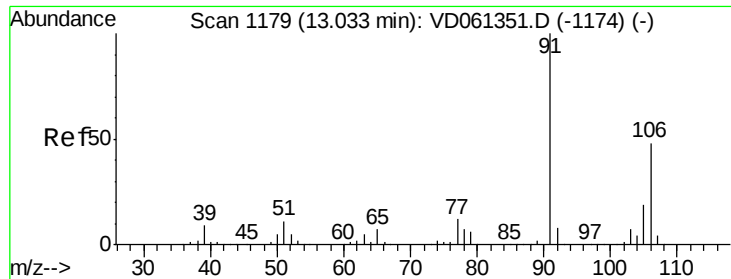
Tot Ion: 91 Resp: 1519383
Ion Ratio Lower Upper
91 100
106 31.3 26.1 39.1



#68
m/p-Xylenes
Concen: 95.856 ug/l
RT: 12.67 min Scan# 1143
Delta R.T. 0.01 min
Lab File: VD061422.D
Acq: 29 Mar 2019 11:18

Tgt Ion:106 Resp: 1109623
Ion Ratio Lower Upper
106 100
91 199.4 153.1 229.7

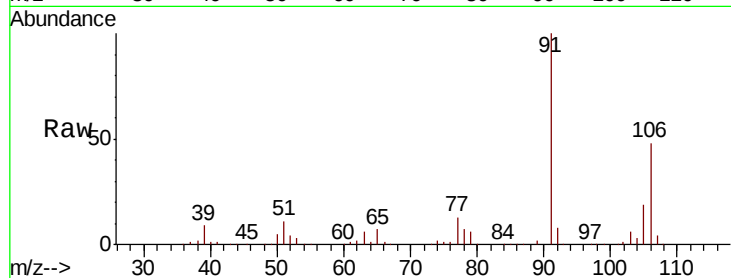




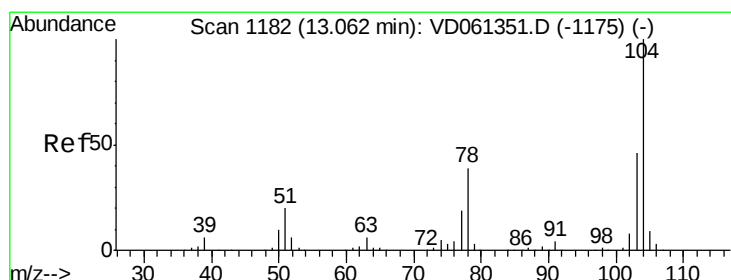
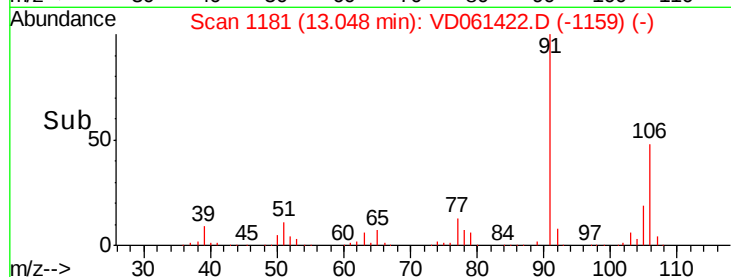
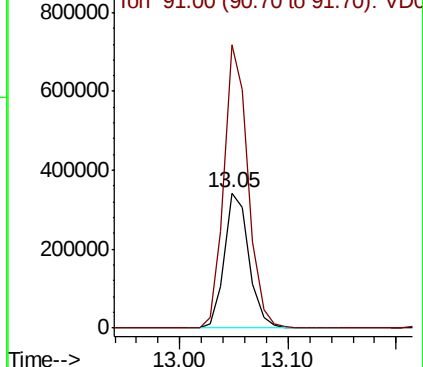
#69
o-Xylene
Concen: 48.213 ug/l
RT: 13.05 min Scan# 1181
Delta R.T. 0.01 min
Lab File: VD061422.D
Acq: 29 Mar 2019 11:18

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:106 Resp: 541599
Ion Ratio Lower Upper
106 100
91 209.8 103.8 311.3

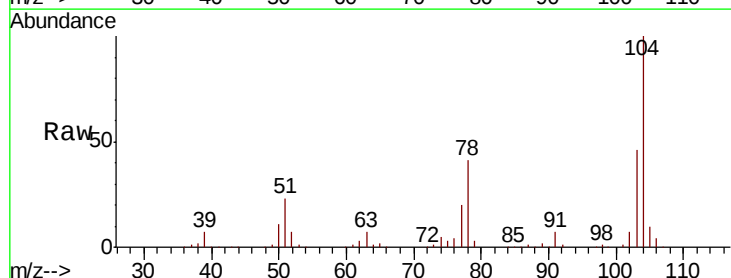


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): V

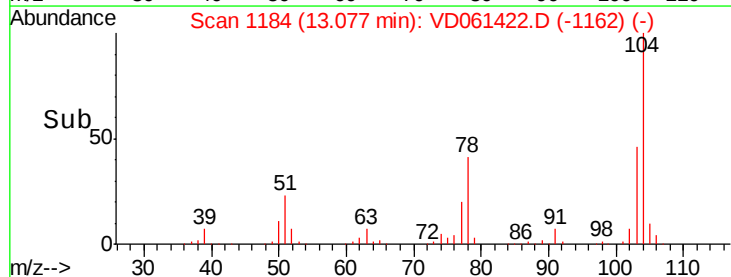
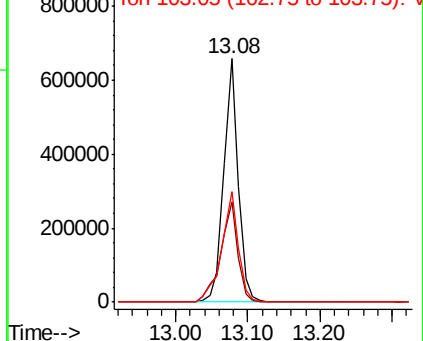


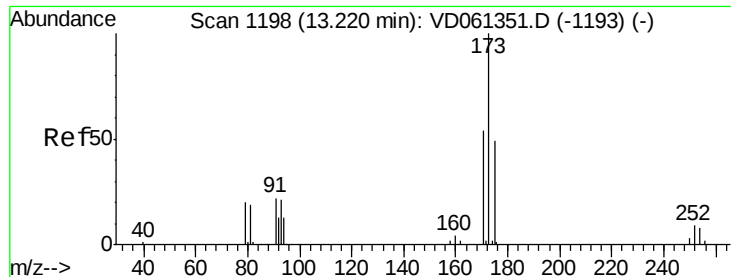
#70
Styrene
Concen: 46.680 ug/l
RT: 13.08 min Scan# 1184
Delta R.T. 0.01 min
Lab File: VD061422.D
Acq: 29 Mar 2019 11:18

Tgt Ion:104 Resp: 914100
Ion Ratio Lower Upper
104 100
78 41.2 31.0 46.6
103 45.5 37.0 55.4



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





#71

Bromoform

Concen: 46.776 ug/l

RT: 13.23 min Scan# 1200

Delta R.T. 0.01 min

Lab File: VD061422.D

Acq: 29 Mar 2019 11:18

Instrument :

MSVOA_D

ClientSampled :

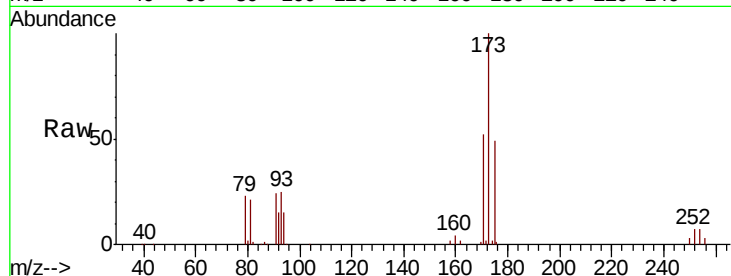
Tot Ion:173 Resp: 229858

Ion Ratio Lower Upper

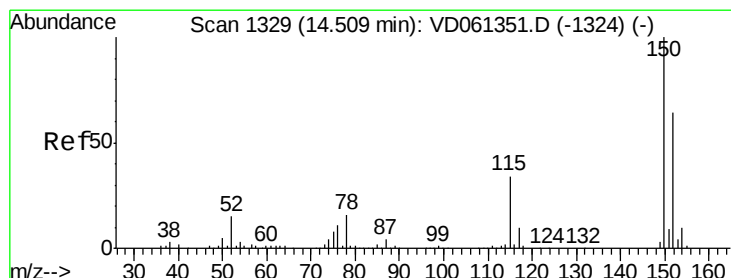
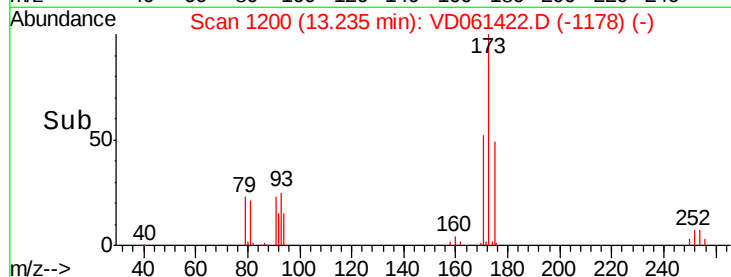
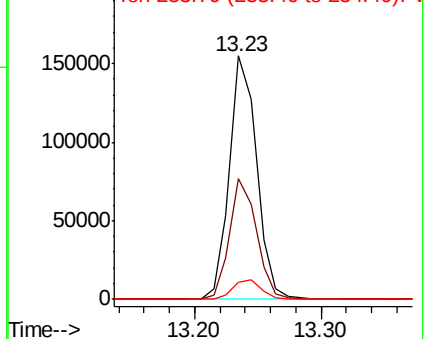
173 100

175 49.5 24.6 73.8

254 7.0 6.6 10.0



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 14.52 min Scan# 1331

Delta R.T. 0.01 min

Lab File: VD061422.D

Acq: 29 Mar 2019 11:18

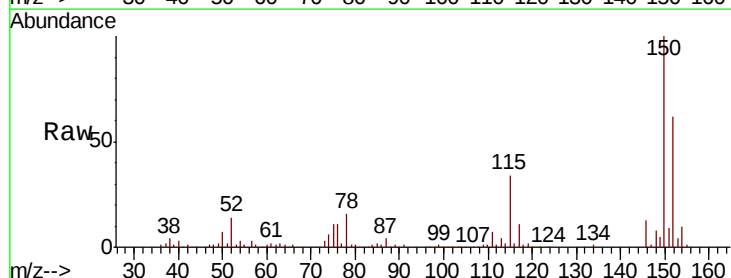
Tgt Ion:152 Resp: 447722

Ion Ratio Lower Upper

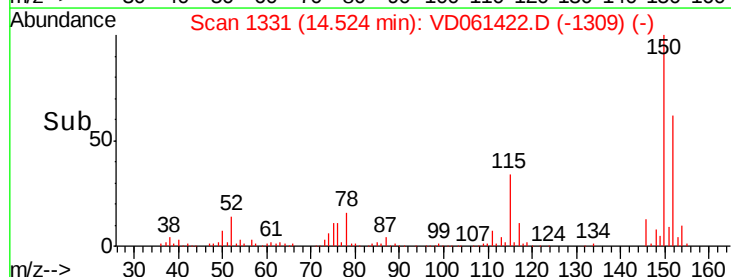
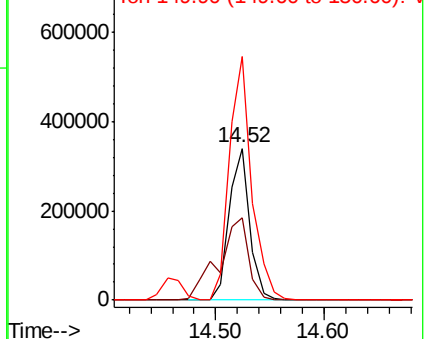
152 100

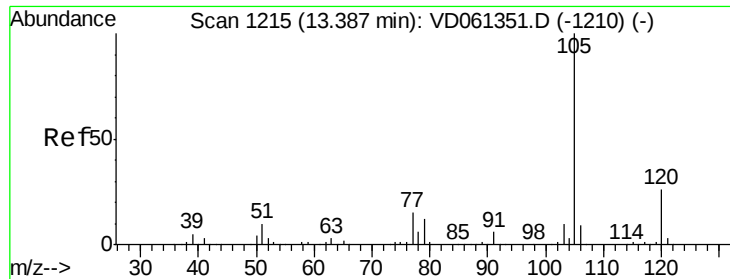
115 54.2 26.9 80.6

150 160.1 0.0 318.0



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





#73

Isopropylbenzene

Concen: 47.185 ug/l

RT: 13.40 min Scan# 1217

Delta R.T. 0.01 min

Lab File: VD061422.D

Acq: 29 Mar 2019 11:18

Instrument :

MSVOA_D

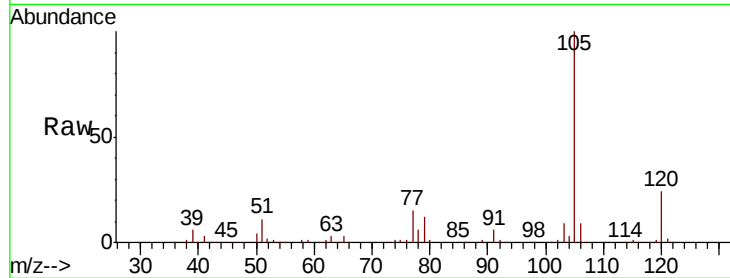
ClientSampleId :

Tot Ion:105 Resp: 1470338

Ion Ratio Lower Upper

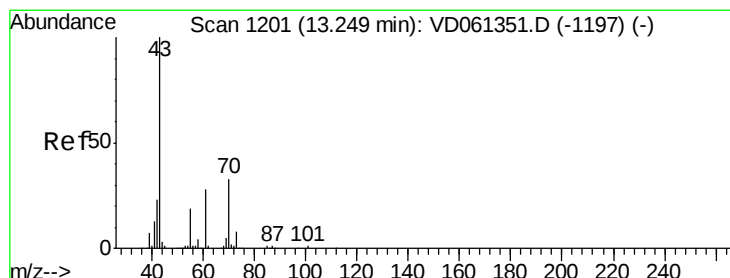
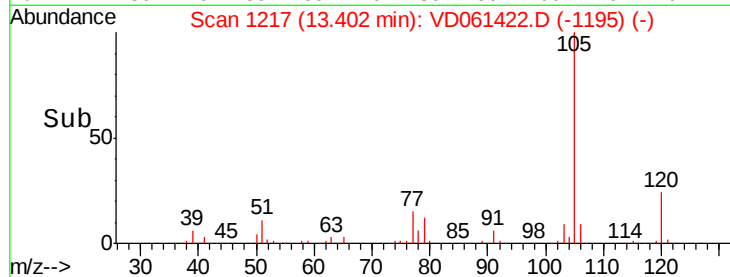
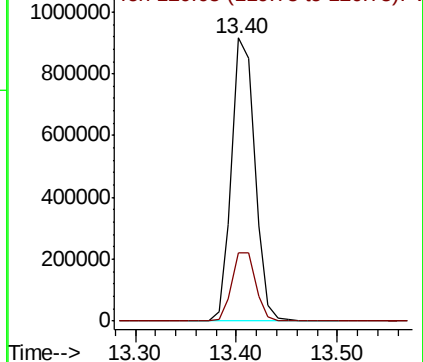
105 100

120 24.0 12.8 38.3



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#74

N-ethyl acetate

Concen: 38.908 ug/l

RT: 13.26 min Scan# 1203

Delta R.T. 0.01 min

Lab File: VD061422.D

Acq: 29 Mar 2019 11:18

Tgt Ion: 43 Resp: 337744

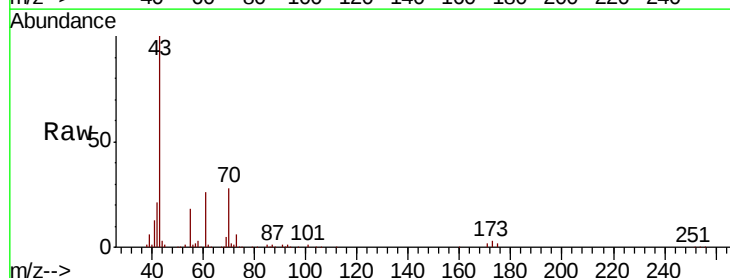
Ion Ratio Lower Upper

43 100

70 27.7 26.6 40.0

55 18.4 15.4 23.2

61 25.6 22.2 33.4

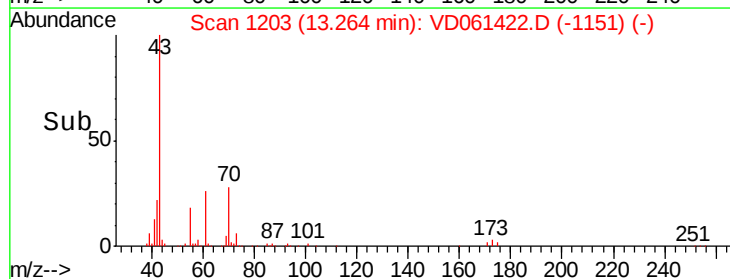
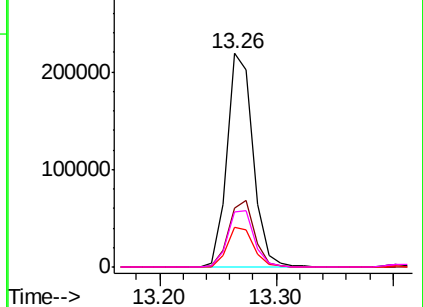


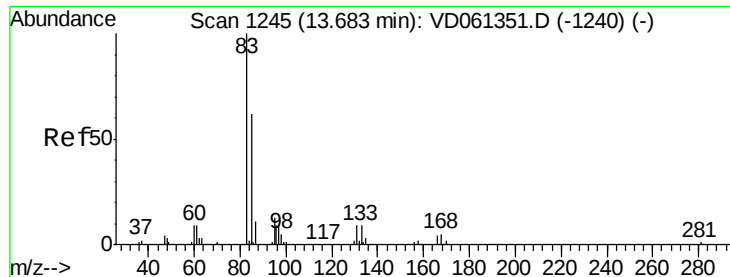
Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 60.95 (60.65 to 61.65): VDC





#75

1,1,2,2-Tetrachloroethane

Concen: 44.268 ug/l

RT: 13.71 min Scan# 1248

Delta R.T. 0.02 min

Lab File: VD061422.D

Acq: 29 Mar 2019 11:18

Instrument :

MSVOA_D

ClientSampled :

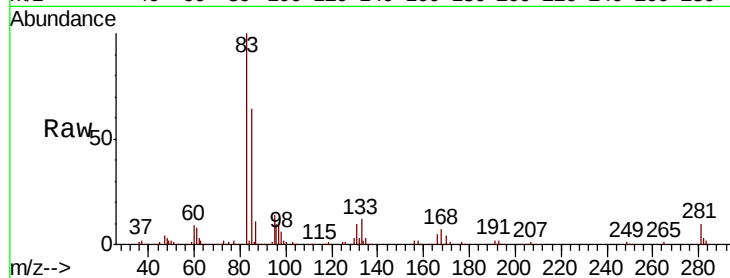
Tot Ion: 83 Resp: 290990

Ion Ratio Lower Upper

83 100

131 10.4 4.3 13.1

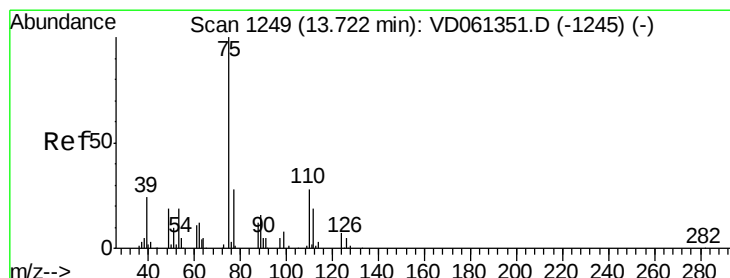
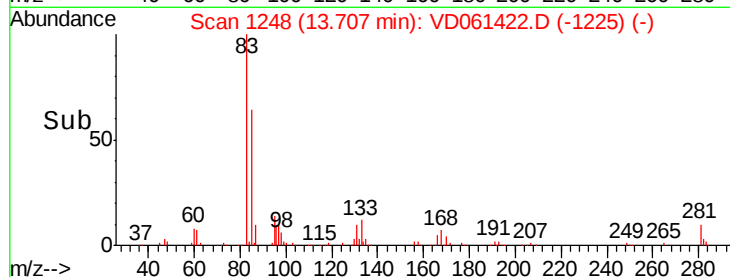
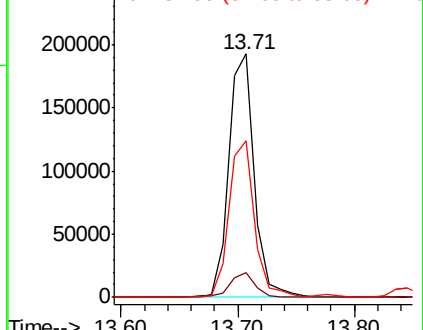
85 64.3 31.2 93.6



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: 43.214 ug/l

RT: 13.74 min Scan# 1251

Delta R.T. 0.01 min

Lab File: VD061422.D

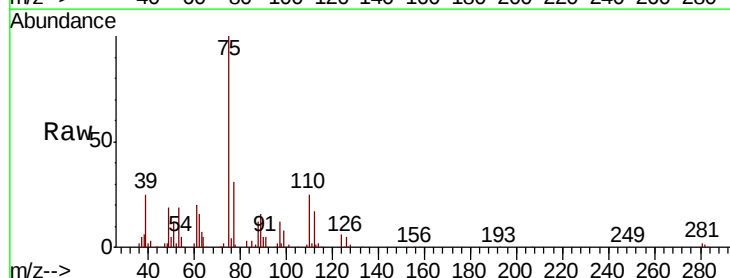
Acq: 29 Mar 2019 11:18

Tgt Ion: 75 Resp: 279484

Ion Ratio Lower Upper

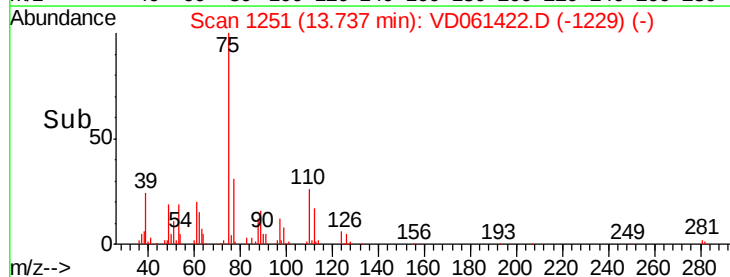
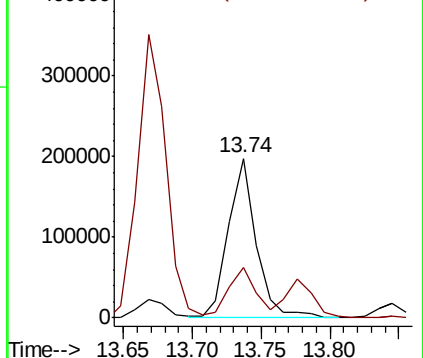
75 100

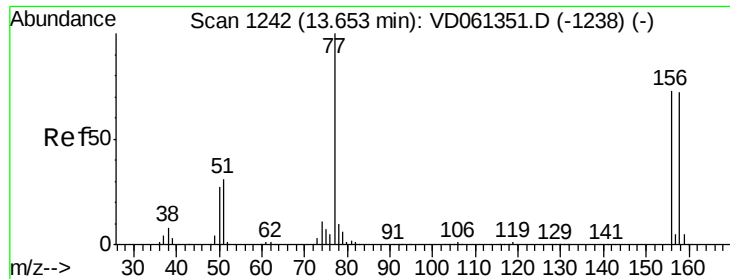
77 31.4 16.2 48.5



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 44.343 ug/l

RT: 13.68 min Scan# 1245

Delta R.T. 0.02 min

Lab File: VD061422.D

Acq: 29 Mar 2019 11:18

Instrument :

MSVOA_D

ClientSampleId :

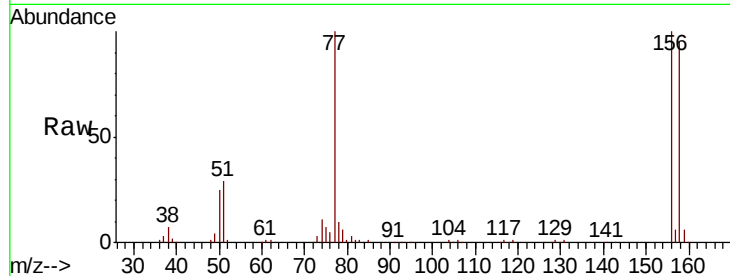
Tot Ion:156 Resp: 409635

Ion Ratio Lower Upper

156 100

77 99.7 68.5 205.6

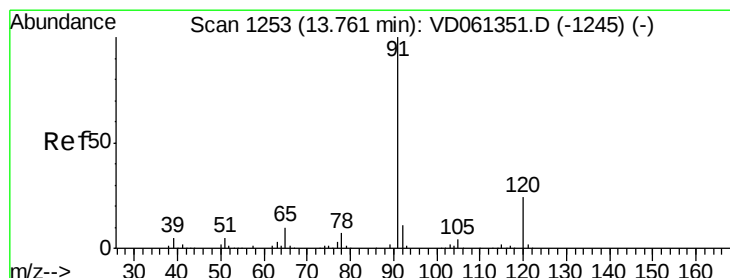
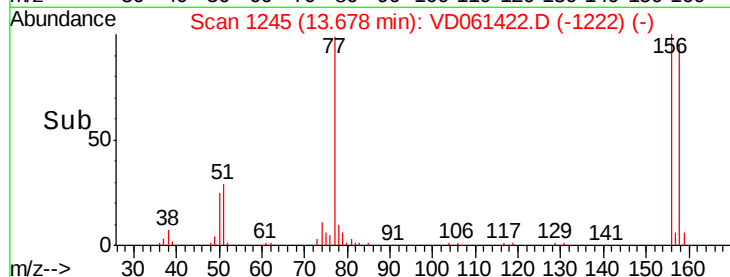
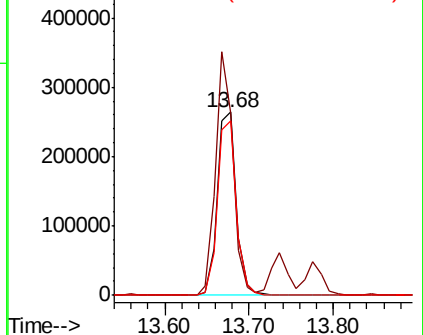
158 95.1 49.1 147.3



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: 47.110 ug/l

RT: 13.78 min Scan# 1255

Delta R.T. 0.01 min

Lab File: VD061422.D

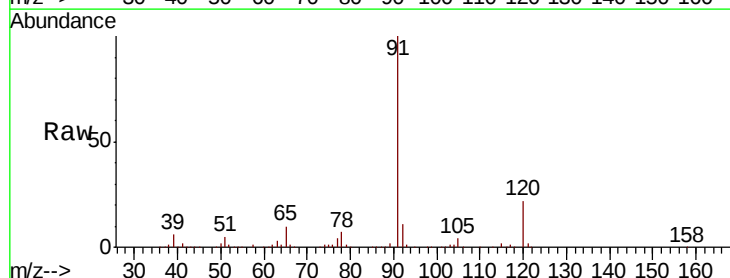
Acq: 29 Mar 2019 11:18

Tgt Ion: 91 Resp: 1796480

Ion Ratio Lower Upper

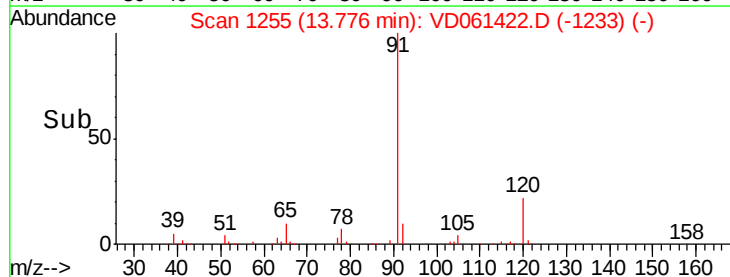
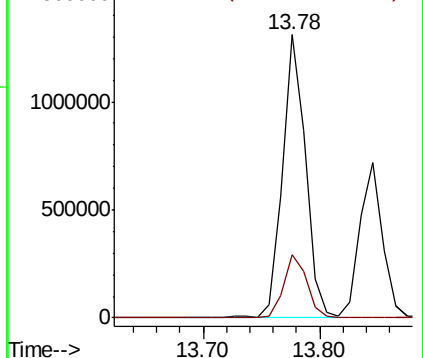
91 100

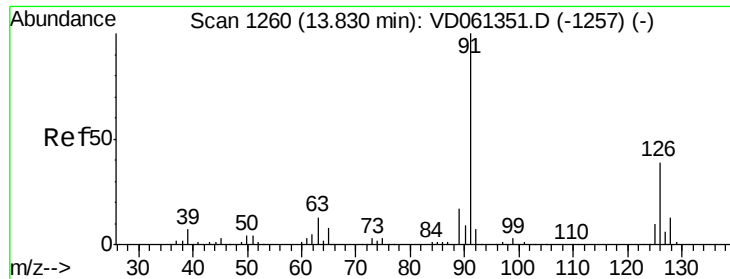
120 22.1 11.8 35.3



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V





#79

2-Chlorotoluene

Concen: 46.606 ug/l

RT: 13.85 min Scan# 1262

Delta R.T. 0.01 min

Lab File: VD061422.D

Acq: 29 Mar 2019 11:18

Instrument :

MSVOA_D

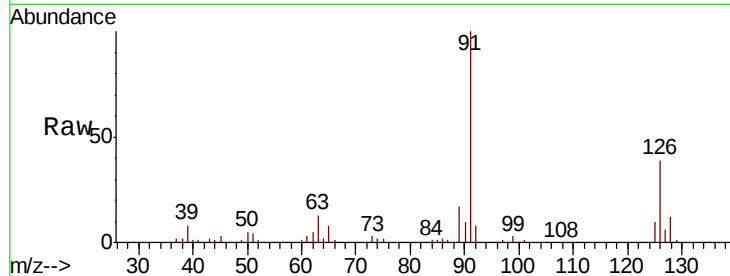
ClientSampleId :

Tot Ion: 91 Resp: 965005

Ion Ratio Lower Upper

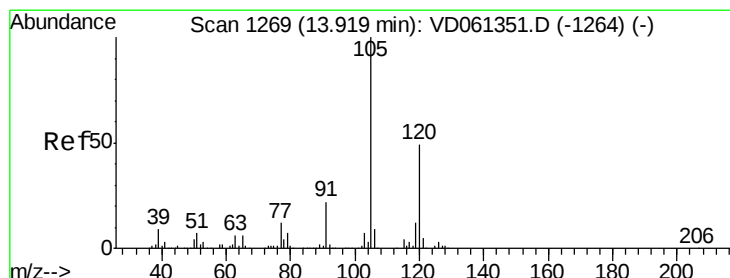
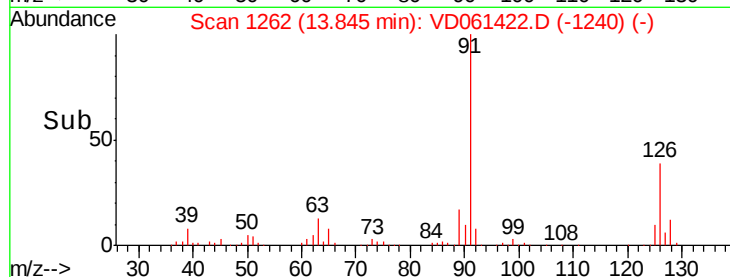
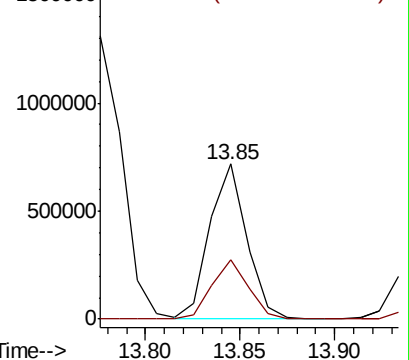
91 100

126 38.6 19.4 58.2



Abundance Ion 91.00 (90.70 to 91.70): VD061351.D (-1257) (-)

Ion 125.95 (125.65 to 126.65): VD061351.D (-1257) (-)



#80

1,3,5-Trimethylbenzene

Concen: 52.663 ug/l

RT: 13.93 min Scan# 1271

Delta R.T. 0.01 min

Lab File: VD061422.D

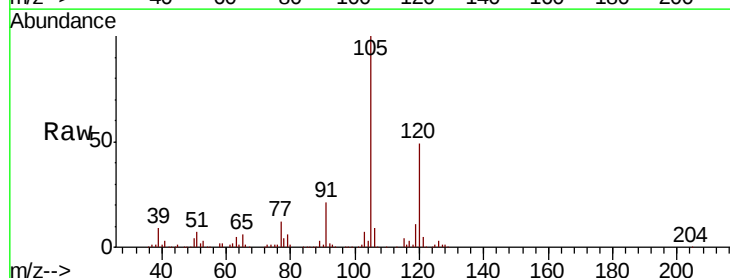
Acq: 29 Mar 2019 11:18

Tgt Ion:105 Resp: 1273248

Ion Ratio Lower Upper

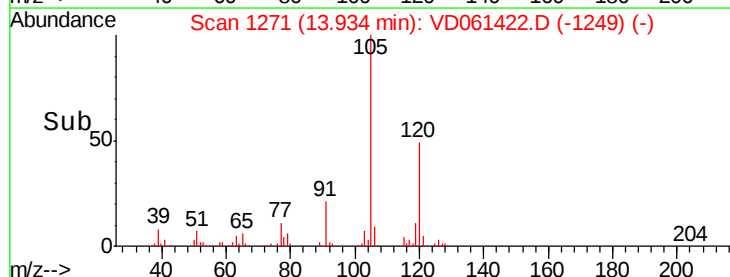
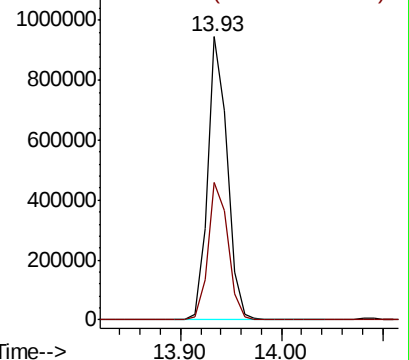
105 100

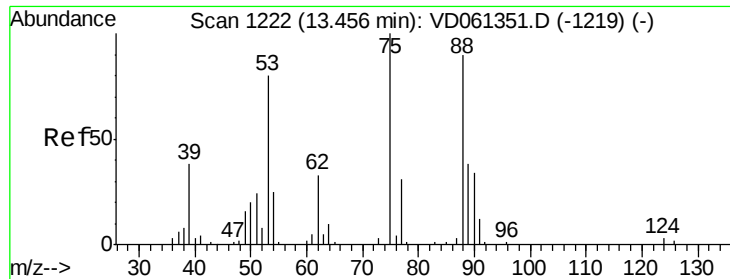
120 48.8 24.6 73.6



Abundance Ion 105.05 (104.75 to 105.75): VD061351.D (-1264) (-)

Ion 120.05 (119.75 to 120.75): VD061351.D (-1264) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 47.931 ug/l

RT: 13.48 min Scan# 1225

Delta R.T. 0.02 min

Lab File: VD061422.D

Acq: 29 Mar 2019 11:18

Instrument :

MSVOA_D

ClientSampleId :

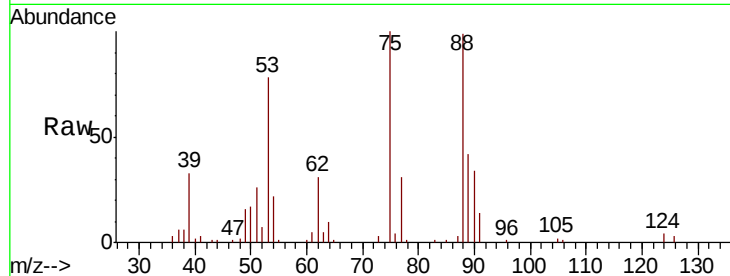
Tot Ion: 75 Resp: 94516

Ion Ratio Lower Upper

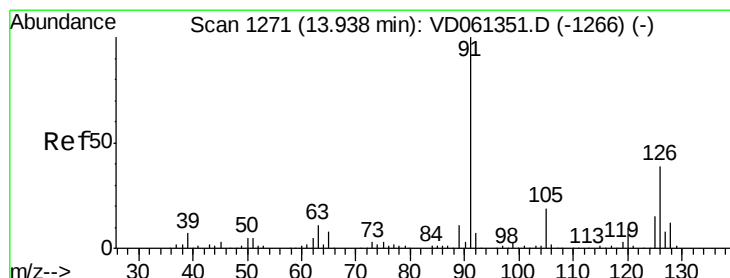
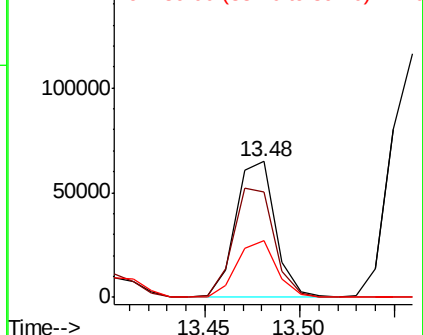
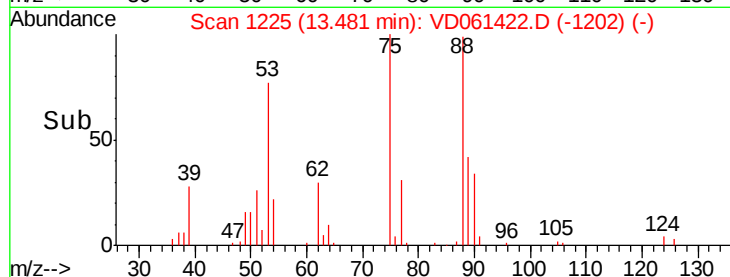
75 100

53 78.0 63.8 95.8

89 42.0 30.5 45.7



Abundance Ion 75.00 (74.70 to 75.70): VDC
Ion 53.00 (52.70 to 53.70): VDC
Ion 89.00 (88.70 to 89.70): VDC



#82

4-Chlorotoluene

Concen: 52.354 ug/l

RT: 13.95 min Scan# 1273

Delta R.T. 0.01 min

Lab File: VD061422.D

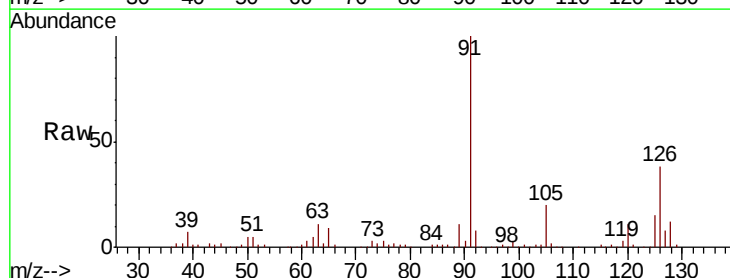
Acq: 29 Mar 2019 11:18

Tgt Ion: 91 Resp: 1178704

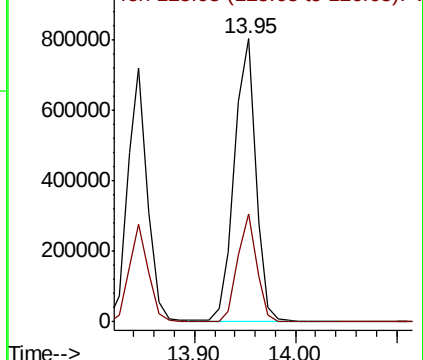
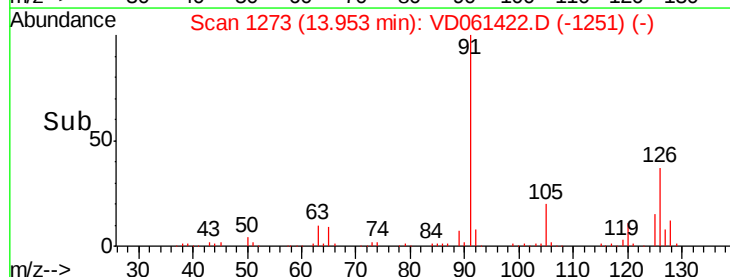
Ion Ratio Lower Upper

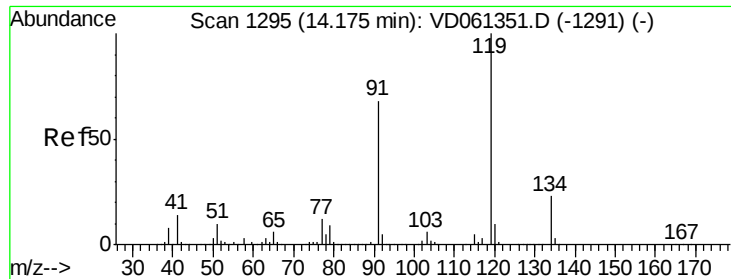
91 100

126 38.0 19.6 58.8



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

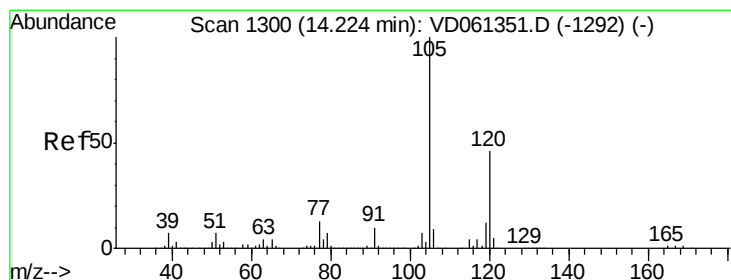
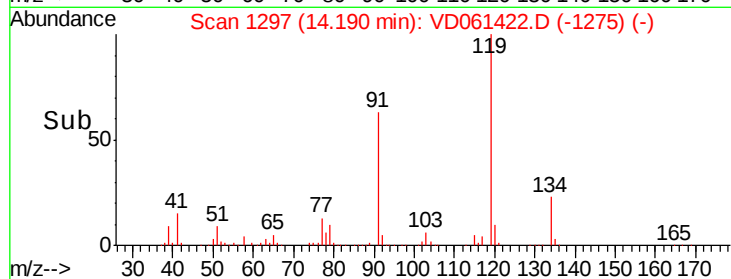
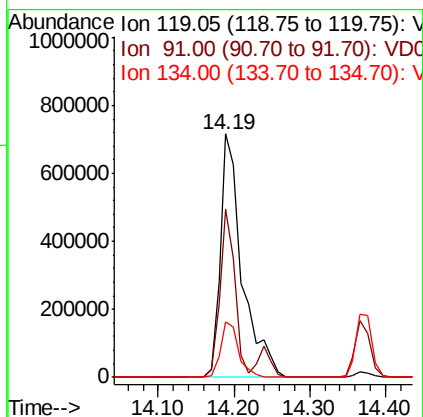
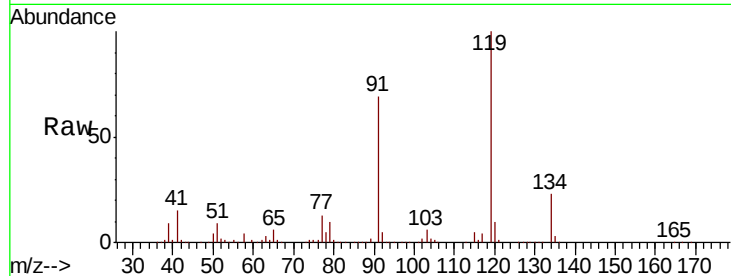




#83
tert-Butylbenzene
Concen: 47.596 ug/l
RT: 14.19 min Scan# 1297
Delta R.T. 0.01 min
Lab File: VD061422.D
Acq: 29 Mar 2019 11:18

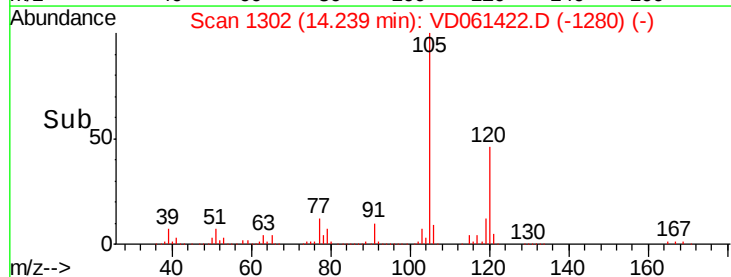
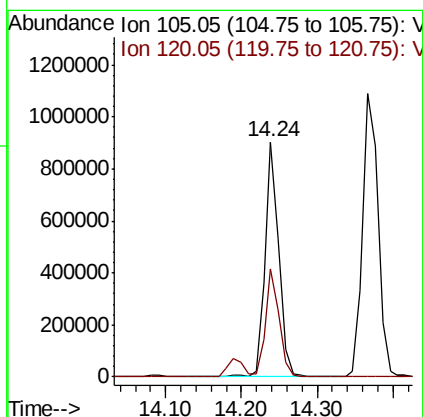
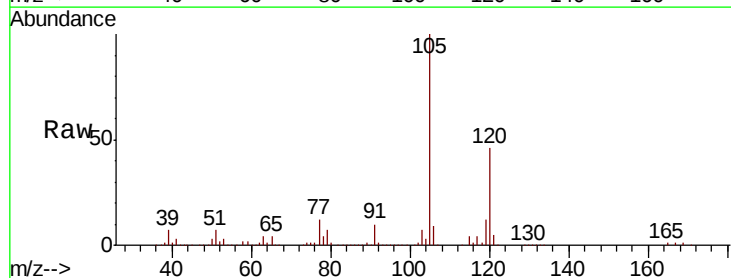
Instrument :
MSVOA_D
ClientSampleID :

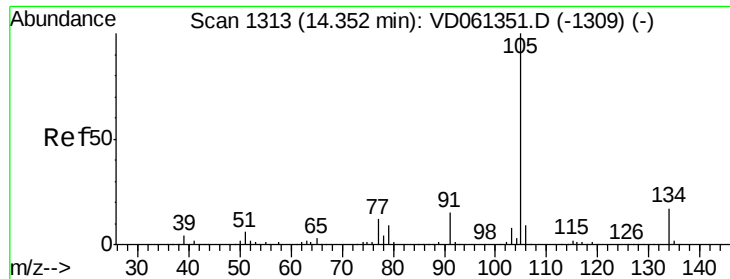
Tot Ion:119 Resp: 1438126
Ion Ratio Lower Upper
119 100
91 68.8 34.1 102.3
134 22.9 11.6 34.8



#84
1,2,4-Trimethylbenzene
Concen: 44.258 ug/l
RT: 14.24 min Scan# 1302
Delta R.T. 0.01 min
Lab File: VD061422.D
Acq: 29 Mar 2019 11:18

Tgt Ion:105 Resp: 1158461
Ion Ratio Lower Upper
105 100
120 46.0 22.8 68.4





#85

sec-Butylbenzene

Concen: 47.291 ug/l

RT: 14.37 min Scan# 1315

Delta R.T. 0.01 min

Lab File: VD061422.D

Acq: 29 Mar 2019 11:18

Instrument :

MSVOA_D

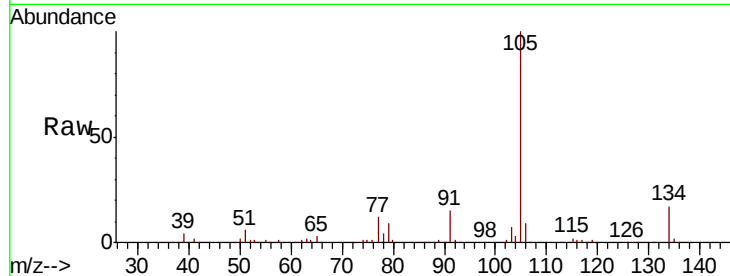
ClientSampleId :

Tot Ion:105 Resp: 1517988

Ion Ratio Lower Upper

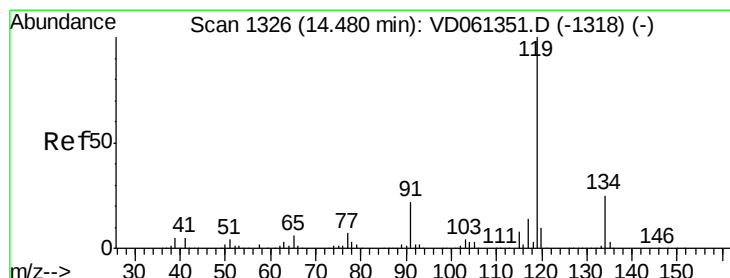
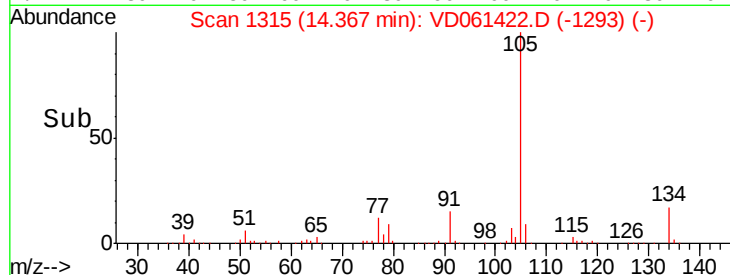
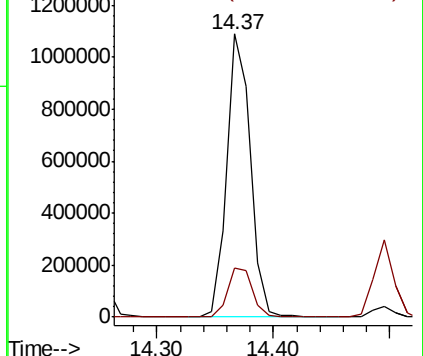
105 100

134 17.2 8.7 26.1



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 134.10 (133.80 to 134.80): V



#86

p-Isopropyltoluene

Concen: 52.925 ug/l

RT: 14.49 min Scan# 1328

Delta R.T. 0.01 min

Lab File: VD061422.D

Acq: 29 Mar 2019 11:18

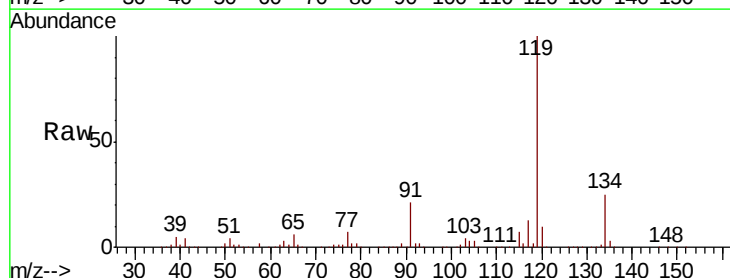
Tgt Ion:119 Resp: 1436535

Ion Ratio Lower Upper

119 100

134 24.7 12.3 36.8

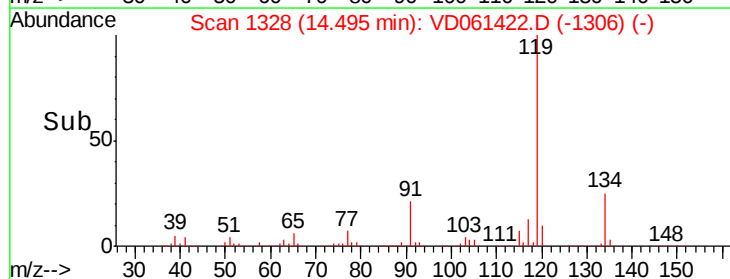
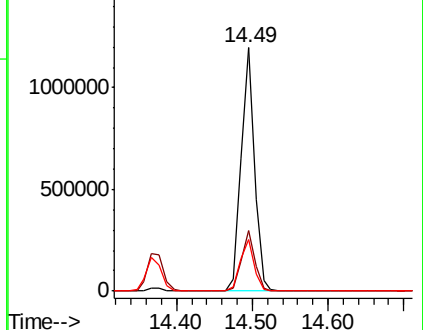
91 21.2 11.1 33.1

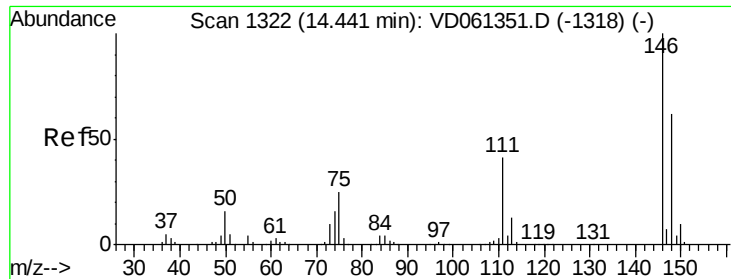


Abundance Ion 119.05 (118.75 to 119.75): V

Ion 134.10 (133.80 to 134.80): V

Ion 91.00 (90.70 to 91.70): V

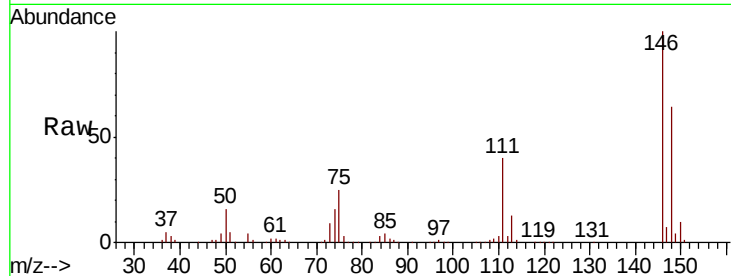




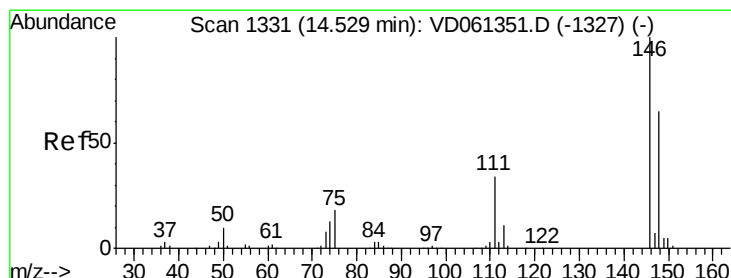
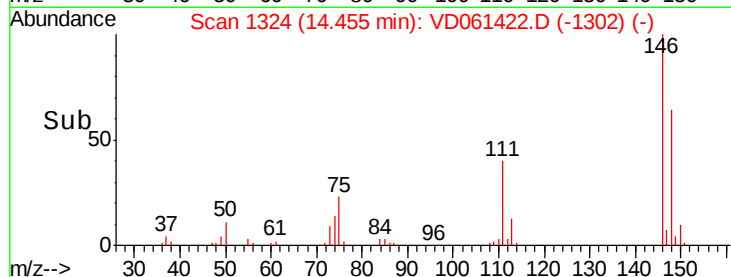
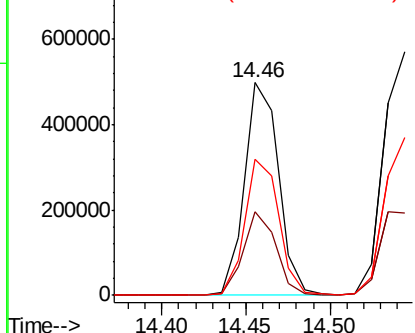
#87
 1,3-Dichlorobenzene
 Concen: 44.817 ug/l
 RT: 14.46 min Scan# 1324
 Delta R.T. 0.01 min
 Lab File: VD061422.D
 Acq: 29 Mar 2019 11:18

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:146 Resp: 701099
 Ion Ratio Lower Upper
 146 100
 111 39.6 20.6 61.9
 148 64.1 31.1 93.3

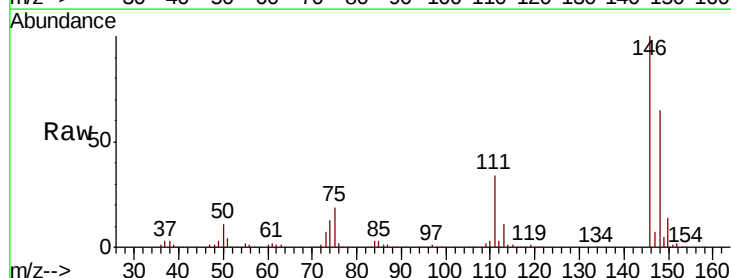


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

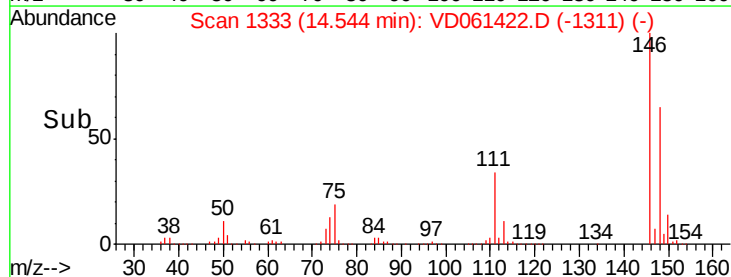
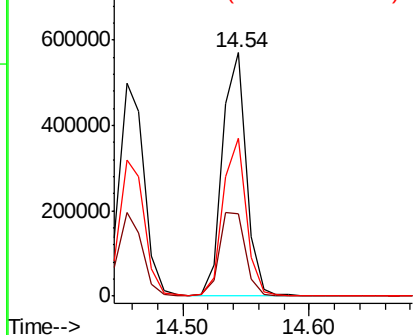


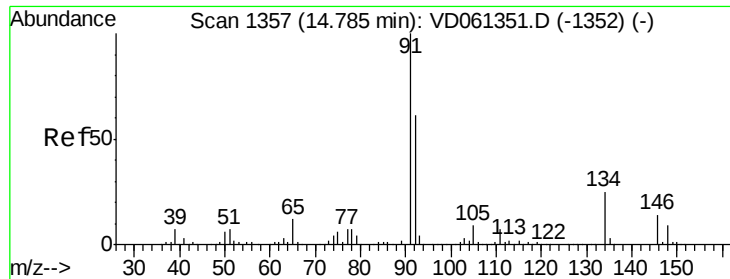
#88
 1,4-Dichlorobenzene
 Concen: 48.724 ug/l
 RT: 14.54 min Scan# 1333
 Delta R.T. 0.01 min
 Lab File: VD061422.D
 Acq: 29 Mar 2019 11:18

Tgt Ion:146 Resp: 743313
 Ion Ratio Lower Upper
 146 100
 111 34.0 16.8 50.4
 148 64.8 32.6 98.0



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

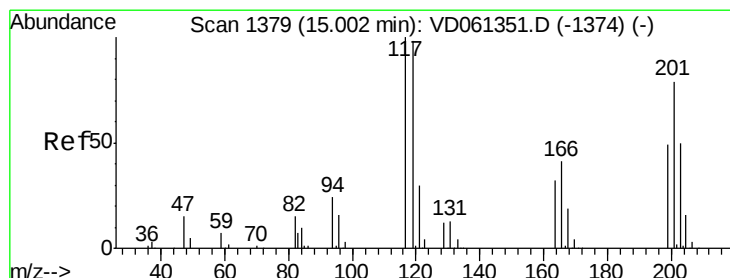
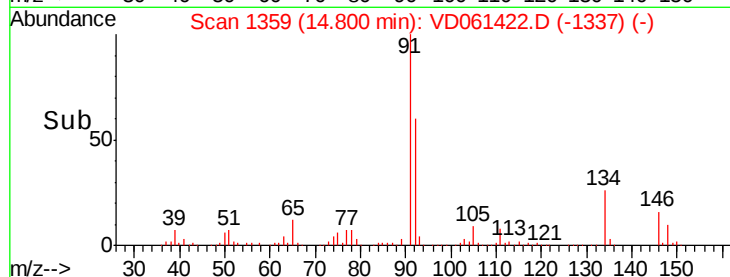
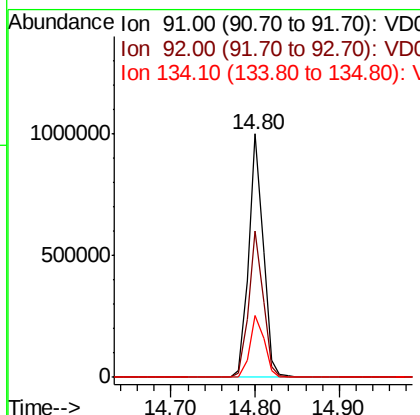
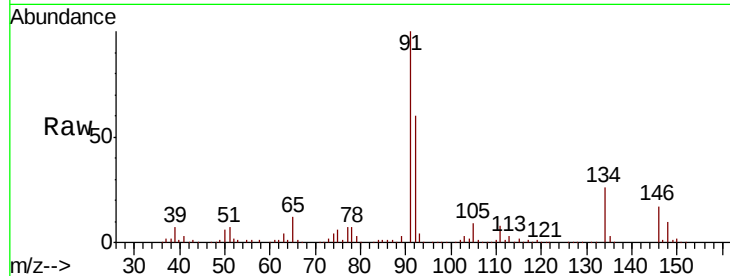




#89
n-Butylbenzene
Concen: 48.086 ug/l
RT: 14.80 min Scan# 1359
Delta R.T. 0.01 min
Lab File: VD061422.D
Acq: 29 Mar 2019 11:18

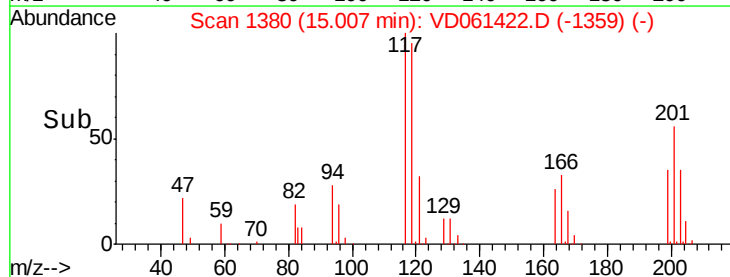
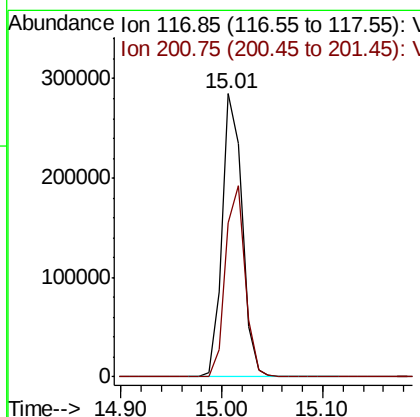
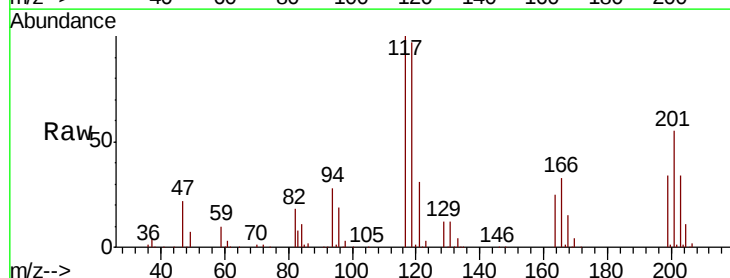
Instrument :
MSVOA_D
ClientSampleId :

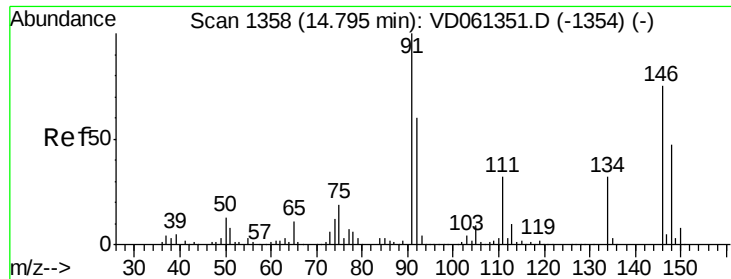
Tot Ion: 91 Resp: 1197946
Ion Ratio Lower Upper
91 100
92 60.2 30.3 91.0
134 25.6 12.4 37.0



#90
Hexachloroethane
Concen: 51.653 ug/l
RT: 15.01 min Scan# 1380
Delta R.T. 0.00 min
Lab File: VD061422.D
Acq: 29 Mar 2019 11:18

Tgt Ion: 117 Resp: 396078
Ion Ratio Lower Upper
117 100
201 54.6 39.6 119.0

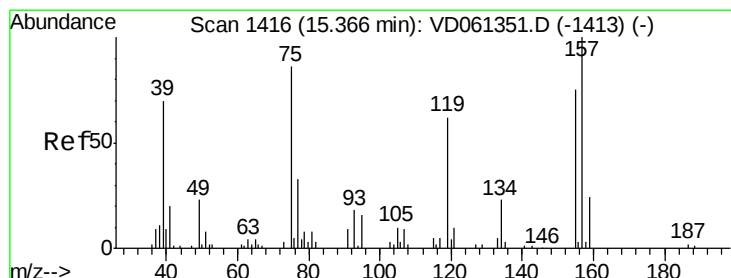
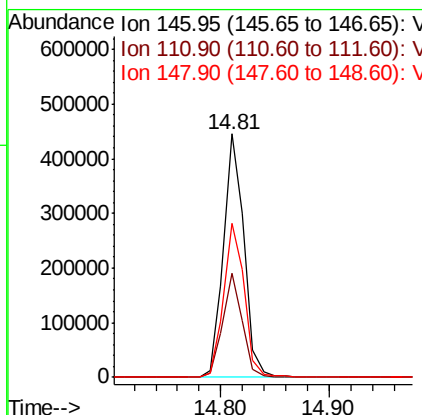
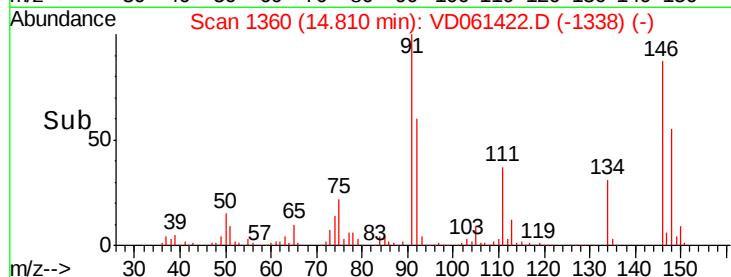
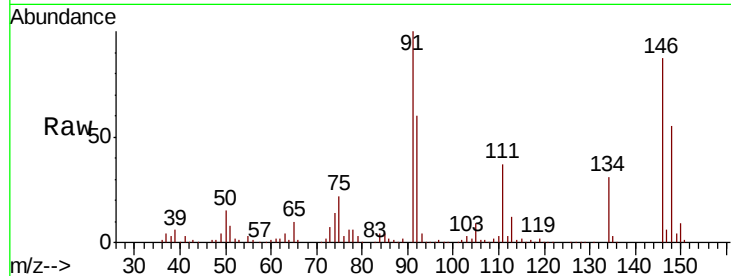




#91
 1,2-Dichlorobenzene
 Concen: 45.591 ug/l
 RT: 14.81 min Scan# 1360
 Delta R.T. 0.01 min
 Lab File: VD061422.D
 Acq: 29 Mar 2019 11:18

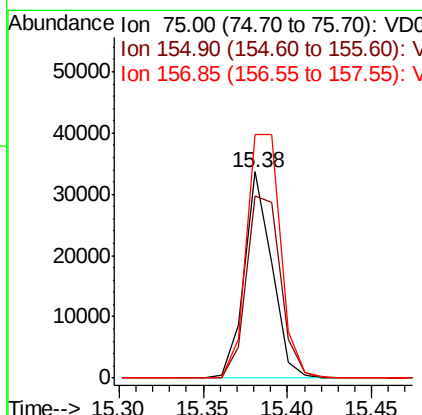
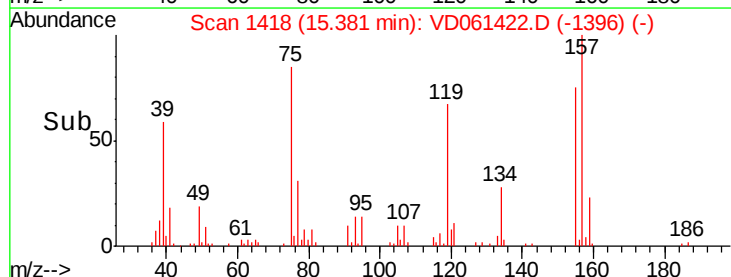
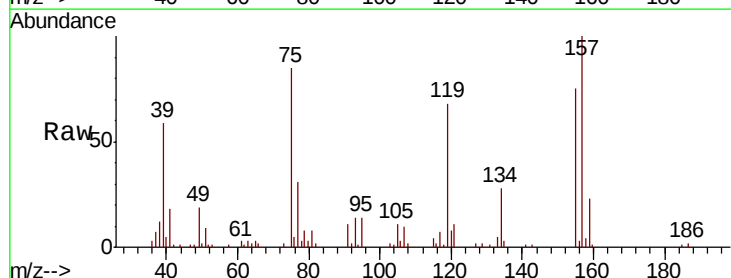
Instrument :
 MSVOA_D
 ClientSampleId :

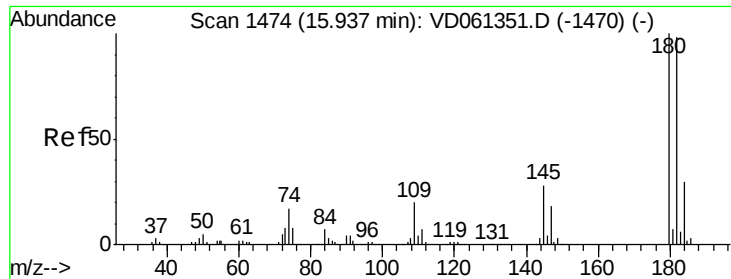
Tot Ion:146 Resp: 584998
 Ion Ratio Lower Upper
 146 100
 111 43.0 21.2 63.6
 148 63.3 31.6 95.0



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 49.782 ug/l
 RT: 15.38 min Scan# 1418
 Delta R.T. 0.01 min
 Lab File: VD061422.D
 Acq: 29 Mar 2019 11:18

Tgt Ion: 75 Resp: 38380
 Ion Ratio Lower Upper
 75 100
 155 88.3 43.6 130.9
 157 118.1 58.5 175.3

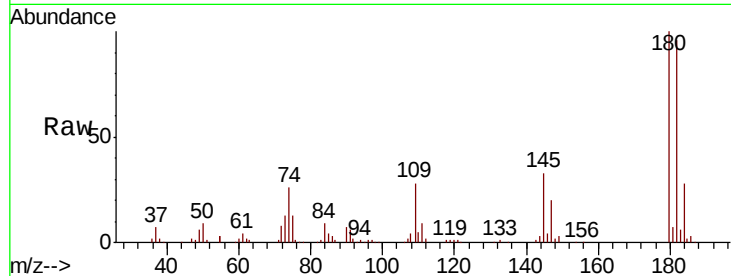




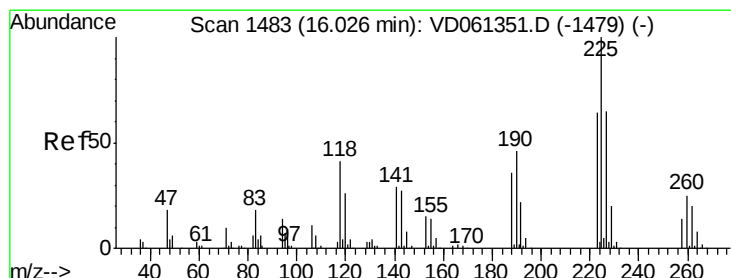
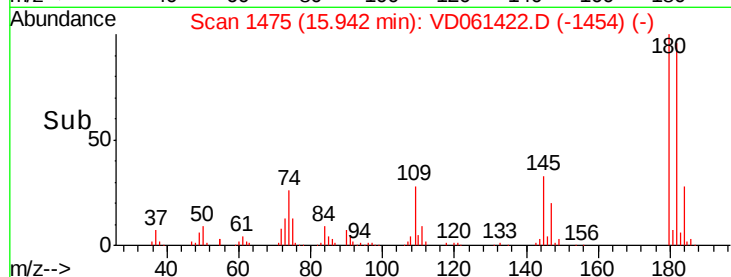
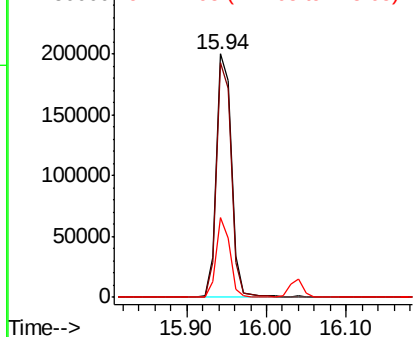
#93
 1,2,4-Trichlorobenzene
 Concen: 46.597 ug/l
 RT: 15.94 min Scan# 1475
 Delta R.T. 0.00 min
 Lab File: VD061422.D
 Acq: 29 Mar 2019 11:18

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:180 Resp: 272369
 Ion Ratio Lower Upper
 180 100
 182 96.5 48.9 146.8
 145 32.6 14.1 42.3

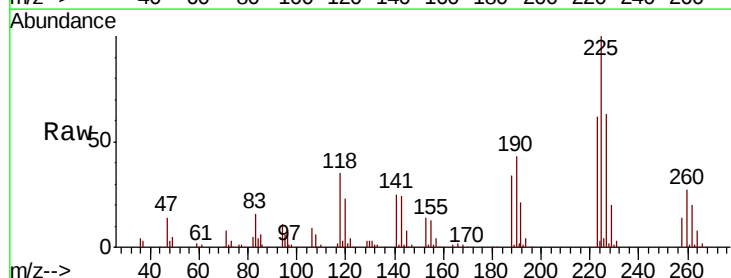


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

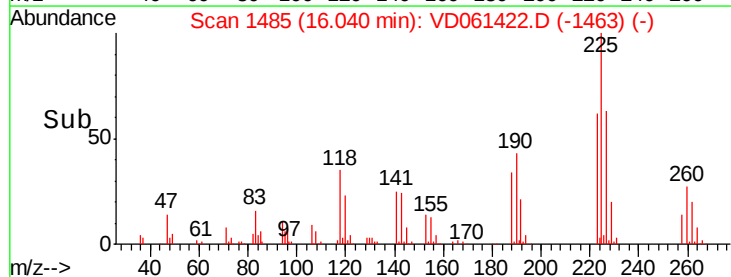
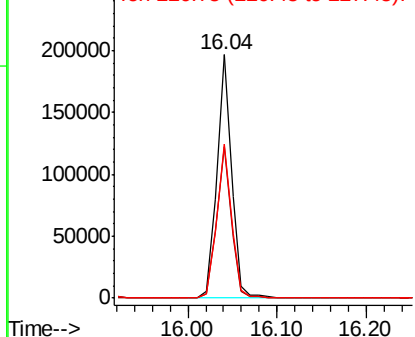


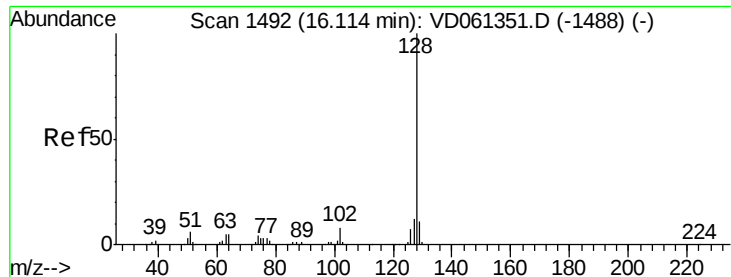
#94
 Hexachlorobutadiene
 Concen: 49.566 ug/l
 RT: 16.04 min Scan# 1485
 Delta R.T. 0.01 min
 Lab File: VD061422.D
 Acq: 29 Mar 2019 11:18

Tgt Ion:225 Resp: 226396
 Ion Ratio Lower Upper
 225 100
 223 62.1 32.0 96.0
 227 63.3 32.4 97.2



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

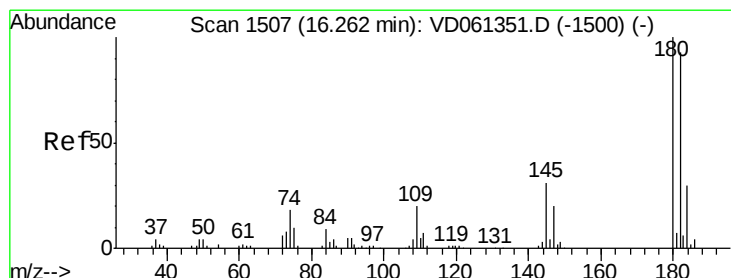
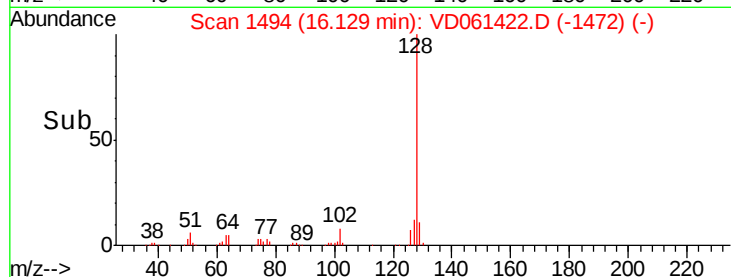
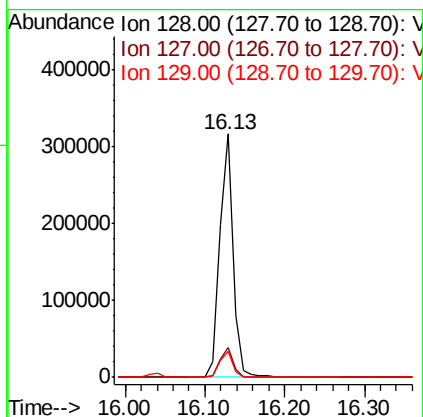
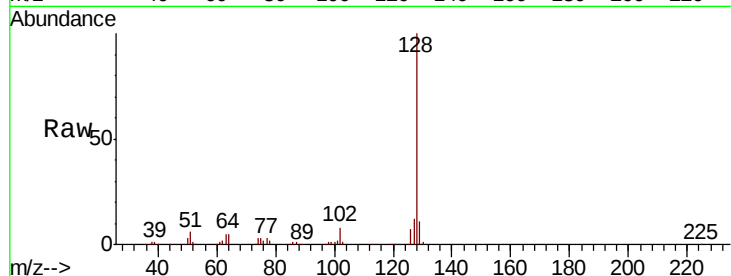




#95
Naphthalene
Concen: 42.382 ug/l
RT: 16.13 min Scan# 1494
Delta R.T. 0.01 min
Lab File: VD061422.D
Acq: 29 Mar 2019 11:18

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:128 Resp: 377609
Ion Ratio Lower Upper
128 100
127 12.1 9.9 14.9
129 10.5 8.9 13.3



#96
1,2,3-Trichlorobenzene
Concen: 46.087 ug/l
RT: 16.28 min Scan# 1509
Delta R.T. 0.01 min
Lab File: VD061422.D
Acq: 29 Mar 2019 11:18

Tgt Ion:180 Resp: 118542
Ion Ratio Lower Upper
180 100
182 97.2 46.4 139.1
145 27.5 15.3 45.9

