

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD030119\
 Data File : VD060915.D
 Acq On : 1 Mar 2019 18:27
 Operator : VA/AP
 Sample : VSTDICV050
 Misc : 5.00µl/5ml/MSVOA D/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD030119

Quant Time: Mar 02 02:11:16 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D030119S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 01 16:47:52 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.04	168	752417	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.21	114	1254227	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.36	117	1029047	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.51	152	483826	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.45	65	311634	55.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.44%	
35) Dibromofluoromethane	6.91	113	525212	56.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	112.02%	
50) Toluene-d8	10.40	98	1212171	47.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.52%	
62) 4-Bromofluorobenzene	13.55	95	430431	43.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	87.28%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.58	85	374361	45.626	ug/l	99
3) Chloromethane	1.76	50	300112	59.497	ug/l	99
4) Vinyl Chloride	1.85	62	275484	58.765	ug/l	99
5) Bromomethane	2.15	94	54514	62.152	ug/l #	91
6) Chloroethane	2.27	64	86285	67.833	ug/l	97
7) Trichlorofluoromethane	2.52	101	365402	48.086	ug/l	93
8) Diethyl Ether	2.87	74	165670	126.780	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.15	101	467738	100.095	ug/l	93
10) Methyl Iodide	3.30	142	648905	48.635	ug/l	99
11) Tert butyl alcohol	4.05	59	117391	276.438	ug/l	99
12) 1,1-Dichloroethene	3.12	96	397817	113.956	ug/l	93
13) Acrolein	3.03	56	156284	663.787	ug/l	94
14) Allyl chloride	3.62	41	678489	59.531	ug/l	91
15) Acrylonitrile	4.19	53	453507	342.007	ug/l	97
16) Acetone	3.21	43	476785	281.007	ug/l #	87
17) Carbon Disulfide	3.37	76	1468348	56.928	ug/l	99
18) Methyl Acetate	3.64	43	200181	56.865	ug/l	94
19) Methyl tert-butyl Ether	4.23	73	765121	52.283	ug/l #	92
20) Methylene Chloride	3.81	84	483741	50.750	ug/l #	87
21) trans-1,2-Dichloroethene	4.22	96	463099	59.861	ug/l	95
22) Diisopropyl ether	5.11	45	1384938	61.948	ug/l	93
23) Vinyl Acetate	5.04	43	3779859	298.772	ug/l	99
24) 1,1-Dichloroethane	4.98	63	722997	59.198	ug/l	99
25) 2-Butanone	6.06	43	622312	277.896	ug/l	99
26) 2,2-Dichloropropane	6.01	77	565345	48.762	ug/l	96
27) cis-1,2-Dichloroethene	6.03	96	517222	60.883	ug/l	99
28) Bromochloromethane	6.43	49	361947	75.335	ug/l	97
29) Tetrahydrofuran	6.44	42	334088	299.391	ug/l	96
30) Chloroform	6.66	83	746469	51.666	ug/l	100
31) Cyclohexane	6.94	56	647570	63.927	ug/l	87
32) 1,1,1-Trichloroethane	6.86	97	636455	56.586	ug/l	99
36) 1,1-Dichloropropene	7.14	75	570637	43.486	ug/l	93
37) Ethyl Acetate	6.18	43	297573	48.236	ug/l	99
38) Carbon Tetrachloride	7.10	117	659729	54.183	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

39) Methylcyclohexane	8.85	83	580328	41.603	ug/l #	85
40) Benzene	7.45	78	1461516	44.816	ug/l	99
41) Methacrylonitrile	6.43	41	349785	104.952	ug/l	95
42) 1,2-Dichloroethane	7.57	62	404946	45.657	ug/l	98
43) Isopropyl Acetate	9.23	43	420088	48.073	ug/l #	99
44) Trichloroethene	8.53	130	496274	46.666	ug/l	98
45) 1,2-Dichloropropane	8.93	63	389439	51.123	ug/l	99
46) Dibromomethane	9.06	93	250458	45.759	ug/l	94
47) Bromodichloromethane	9.37	83	525868	40.510	ug/l	100
48) Methyl methacrylate	9.11	41	237410	47.189	ug/l	94
49) 1,4-Dioxane	9.07	88	53775	1020.329	ug/l	89
51) 4-Methyl-2-Pentanone	10.29	43	1166361	216.372	ug/l	92
52) Toluene	10.50	92	883209	46.761	ug/l	98
53) t-1,3-Dichloropropene	10.90	75	503439	42.012	ug/l	99
54) cis-1,3-Dichloropropene	10.04	75	610778	44.240	ug/l	99
55) 1,1,2-Trichloroethane	11.19	97	292490	45.145	ug/l	93
56) Ethyl methacrylate	11.04	69	341615	46.334	ug/l	94
57) 1,3-Dichloropropane	11.40	76	452798	42.435	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.86	63	871308	246.656	ug/l	97
59) 2-Hexanone	11.52	43	874248	211.245	ug/l	95
60) Dibromochloromethane	11.68	129	461208	49.539	ug/l	97
61) 1,2-Dibromoethane	11.80	107	372755	50.824	ug/l	100
64) Tetrachloroethene	11.25	164	385665	41.944	ug/l #	90
65) Chlorobenzene	12.40	112	1013845	48.610	ug/l	100
66) 1,1,1,2-Tetrachloroethane	12.51	131	394522	47.534	ug/l	96
67) Ethyl Benzene	12.52	91	1568929	44.196	ug/l	92
68) m/p-Xylenes	12.66	106	1303766	103.909	ug/l	81
69) o-Xylene	13.05	106	630240	52.153	ug/l	78
70) Styrene	13.07	104	1041086	51.260	ug/l	97
71) Bromoform	13.23	173	258033	39.094	ug/l #	99
73) Isopropylbenzene	13.40	105	1670873	59.020	ug/l	97
74) N-amyl acetate	13.26	43	514564	52.589	ug/l	98
75) 1,1,2,2-Tetrachloroethane	13.70	83	352165	50.508	ug/l	99
76) 1,2,3-Trichloropropane	13.73	75	361826	50.259	ug/l	99
77) Bromobenzene	13.67	156	460266	50.515	ug/l	91
78) n-propylbenzene	13.78	91	2000063	52.947	ug/l	90
79) 2-Chlorotoluene	13.83	91	1083235	50.137	ug/l	99
80) 1,3,5-Trimethylbenzene	14.24	105	1276396	54.859	ug/l	95
81) trans-1,4-Dichloro-2-buten	13.47	75	116096	50.613	ug/l	97
82) 4-Chlorotoluene	13.94	91	1134557	47.864	ug/l	98
83) tert-Butylbenzene	14.19	119	1469775	54.703	ug/l	93
84) 1,2,4-Trimethylbenzene	14.24	105	1276396	54.859	ug/l	95
85) sec-Butylbenzene	14.37	105	1639286	54.650	ug/l	95
86) p-Isopropyltoluene	14.48	119	1341165	53.243	ug/l	95
87) 1,3-Dichlorobenzene	14.46	146	805054	48.310	ug/l	96
88) 1,4-Dichlorobenzene	14.53	146	802062	49.836	ug/l	96
89) n-Butylbenzene	14.80	91	1224275	46.913	ug/l	99
90) Hexachloroethane	15.01	117	408457	57.145	ug/l	80
91) 1,2-Dichlorobenzene	14.81	146	665615	47.972	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	15.38	75	44661	45.737	ug/l	98

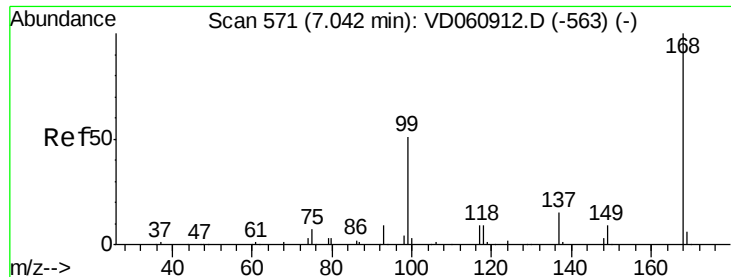
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.94	180	385058	39.214	ug/l	99
94) Hexachlorobutadiene	16.04	225	251928	42.761	ug/l	100
95) Naphthalene	16.12	128	631683	42.670	ug/l	100
96) 1,2,3-Trichlorobenzene	16.27	180	224709	29.758	ug/l	96

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.04 min Scan# 571

Delta R.T. 0.00 min

Lab File: VD060915.D

Acq: 1 Mar 2019 18:27

Instrument :

MSVOA_D

ClientSampleId :

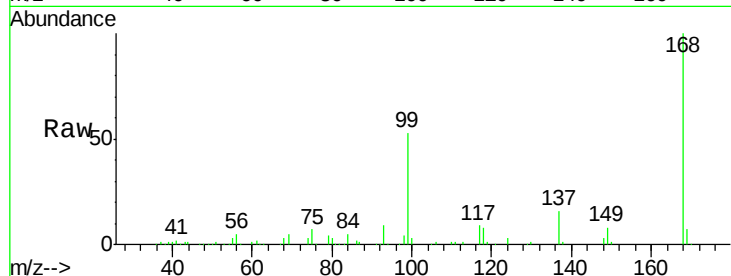
ICVVD030119

Tot Ion:168 Resp: 752417

Ion Ratio Lower Upper

168 100

99 53.1 38.2 57.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.04

250000

200000

150000

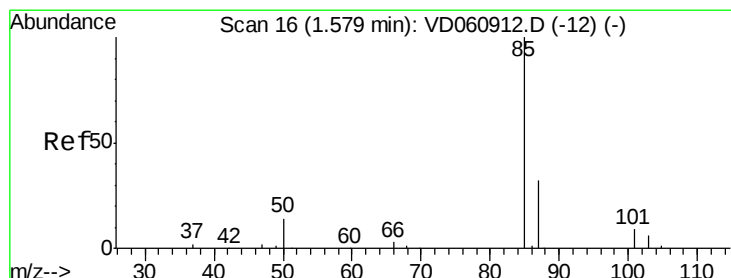
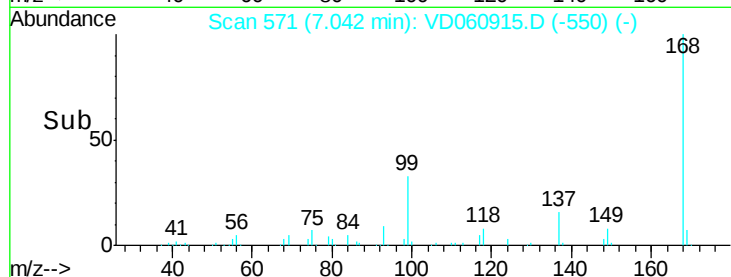
100000

50000

0

6.90 7.00 7.10 7.20

Time-->



#2

Dichlorodifluoromethane

Concen: 45.626 ug/l

RT: 1.58 min Scan# 16

Delta R.T. -0.01 min

Lab File: VD060915.D

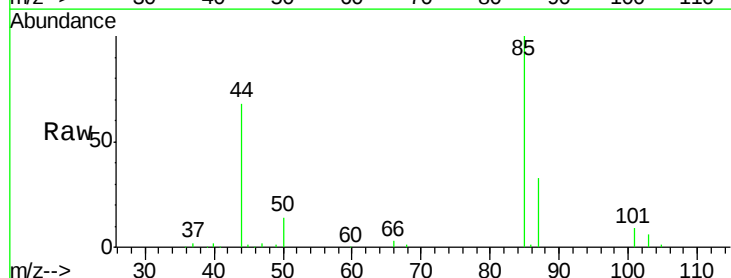
Acq: 1 Mar 2019 18:27

Tgt Ion: 85 Resp: 374361

Ion Ratio Lower Upper

85 100

87 32.8 16.1 48.2



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC

150000

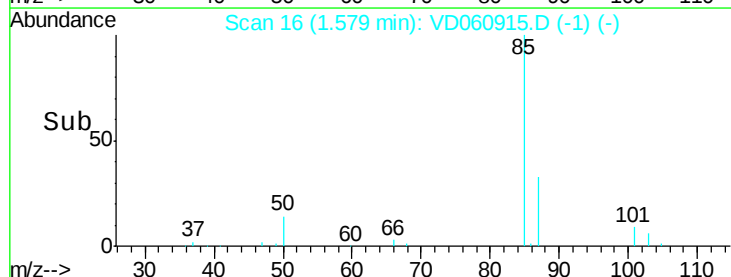
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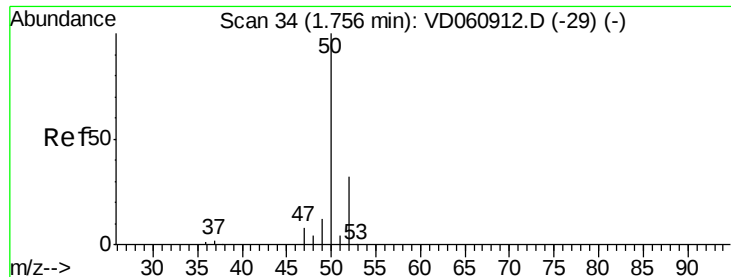
50000

0

1.50 1.60 1.70 1.80

Time-->





#3

Chloromethane

Concen: 59.497 ug/l

RT: 1.76 min Scan# 34

Delta R.T. 0.00 min

Lab File: VD060915.D

Acq: 1 Mar 2019 18:27

Instrument :

MSVOA_D

ClientSampleId :

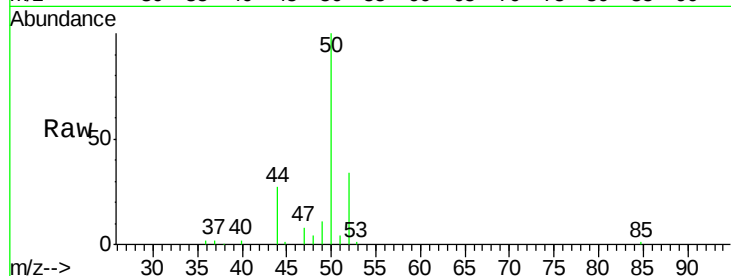
ICVVD030119

Tot Ion: 50 Resp: 300112

Ion Ratio Lower Upper

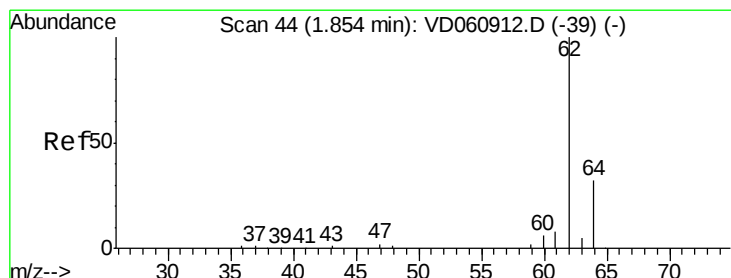
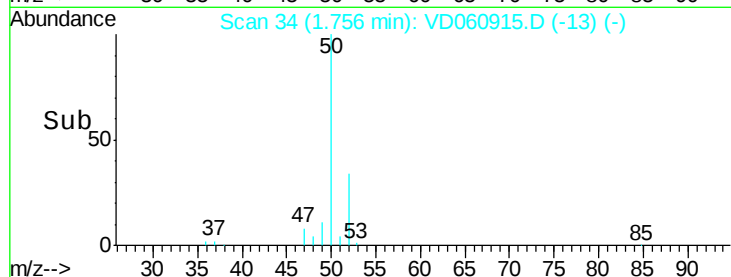
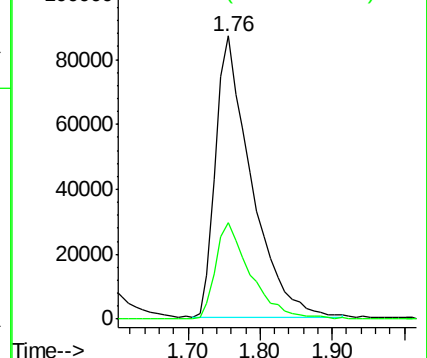
50 100

52 34.1 26.8 40.2



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 58.765 ug/l

RT: 1.85 min Scan# 44

Delta R.T. -0.01 min

Lab File: VD060915.D

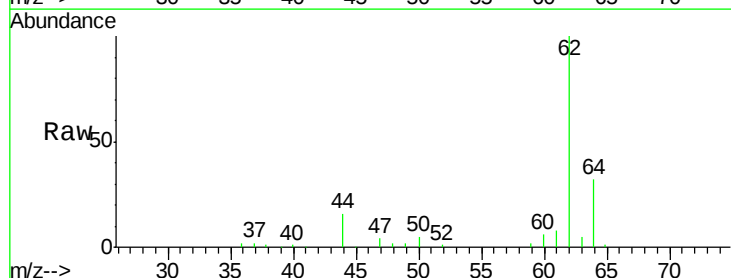
Acq: 1 Mar 2019 18:27

Tgt Ion: 62 Resp: 275484

Ion Ratio Lower Upper

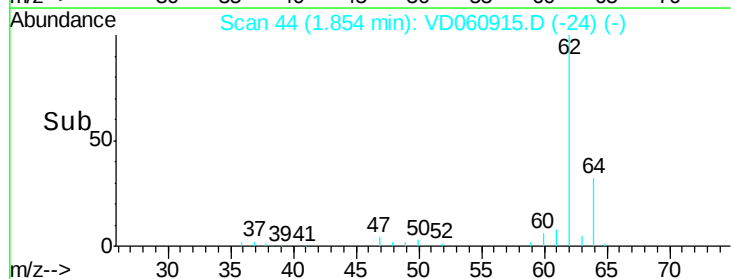
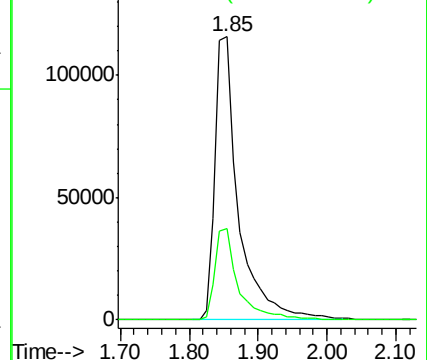
62 100

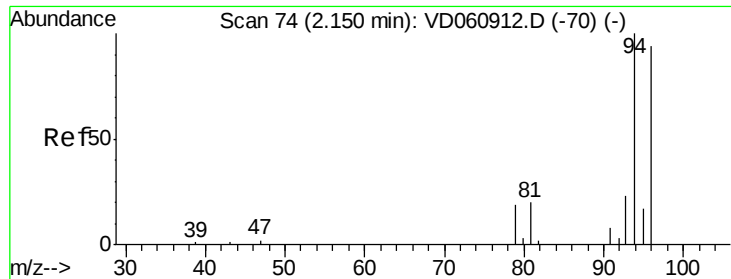
64 32.3 26.3 39.5



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 62.152 ug/l

RT: 2.15 min Scan# 74

Delta R.T. -0.01 min

Lab File: VD060915.D

Acq: 1 Mar 2019 18:27

Instrument :

MSVOA_D

ClientSampleId :

ICVVD030119

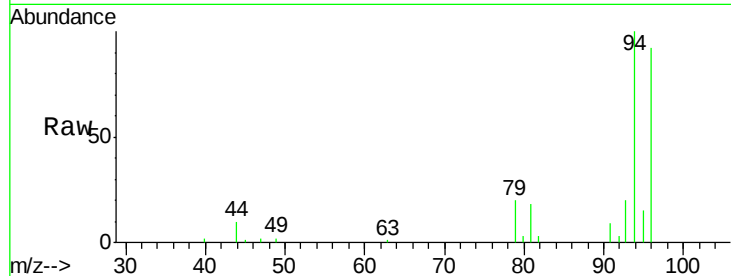
Tot Ion: 94 Resp: 54514

Ion Ratio Lower Upper

94 100

96 91.8 81.0 121.4

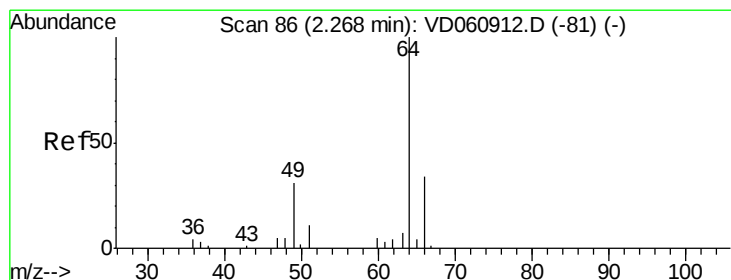
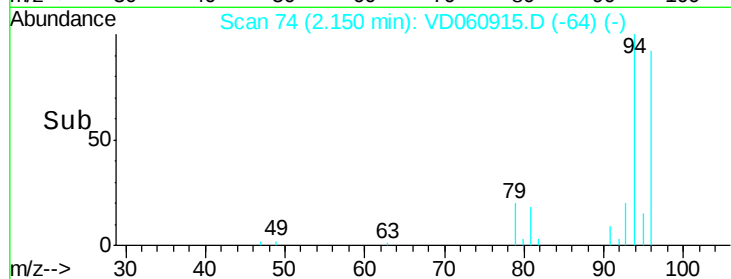
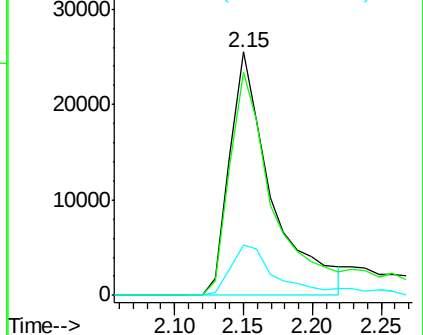
93 20.5 0.0 0.0#



Abundance Ion 94.00 (93.70 to 94.70): VDC

Ion 96.00 (95.70 to 96.70): VDC

Ion 93.00 (92.70 to 93.70): VDC



#6

Chloroethane

Concen: 67.833 ug/l

RT: 2.27 min Scan# 86

Delta R.T. -0.01 min

Lab File: VD060915.D

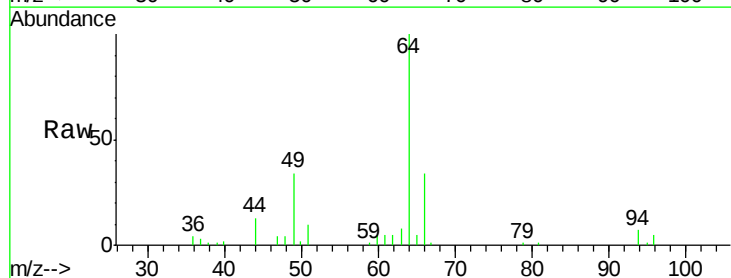
Acq: 1 Mar 2019 18:27

Tgt Ion: 64 Resp: 86285

Ion Ratio Lower Upper

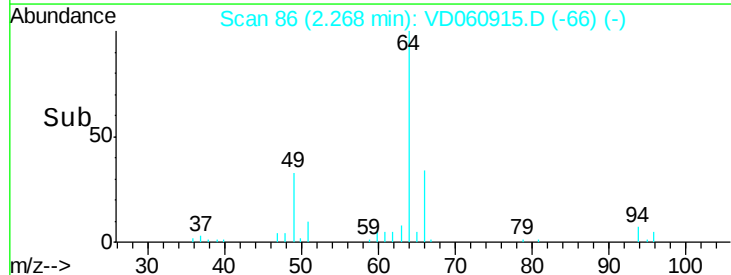
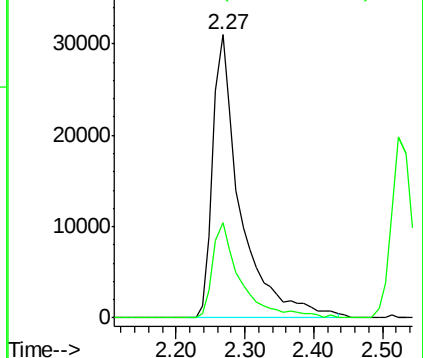
64 100

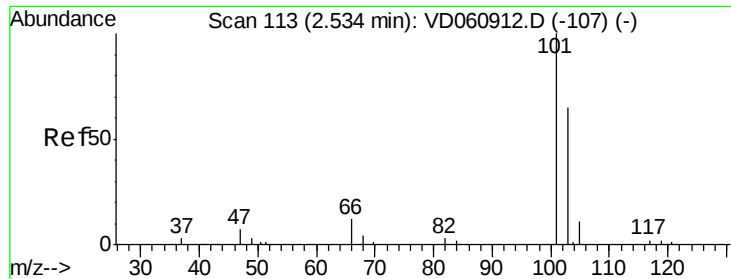
66 33.6 25.8 38.6



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC



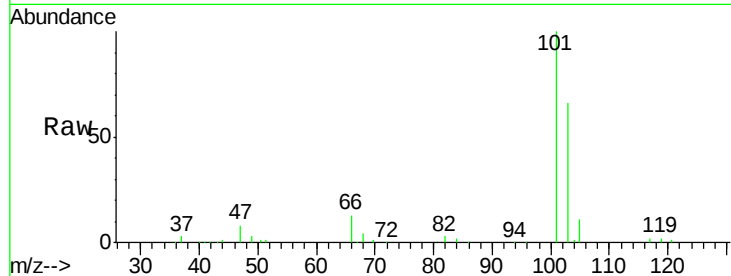


#7

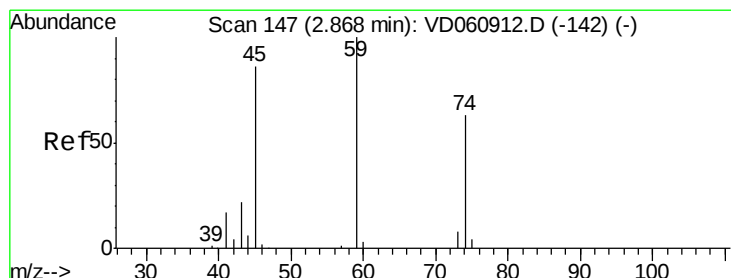
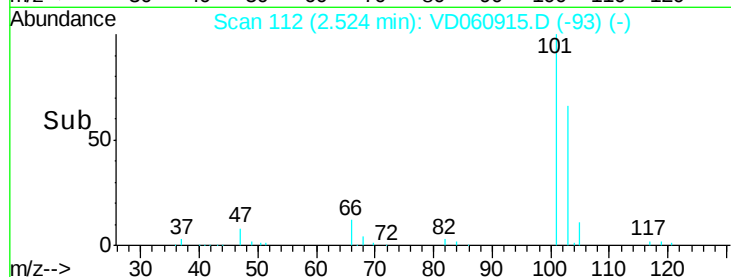
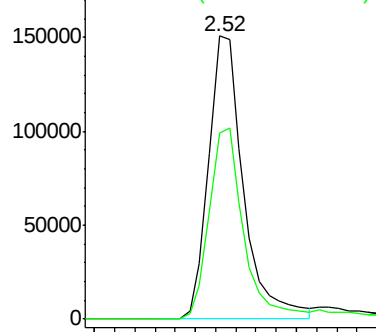
Trichlorofluoromethane
 Concen: 48.086 ug/l
 RT: 2.52 min Scan# 112
 Delta R.T. -0.02 min
 Lab File: VD060915.D
 Acq: 1 Mar 2019 18:27

Instrument :
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Tot Ion:101 Resp: 365402
 Ion Ratio Lower Upper
 101 100
 103 65.9 48.6 72.8



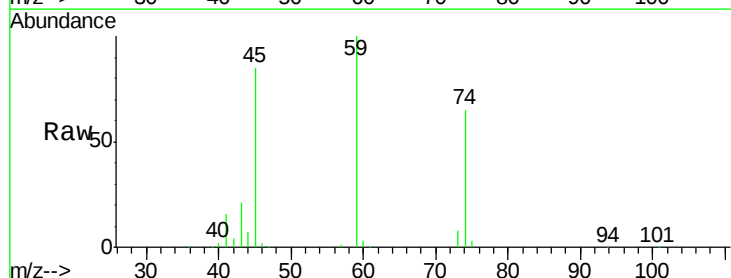
Abundance Ion 100.85 (100.55 to 101.55): V
 Ion 102.85 (102.55 to 103.55): V



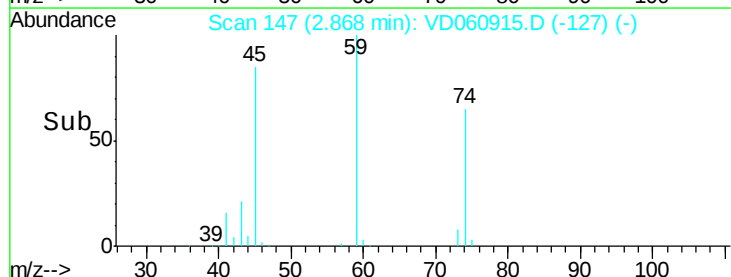
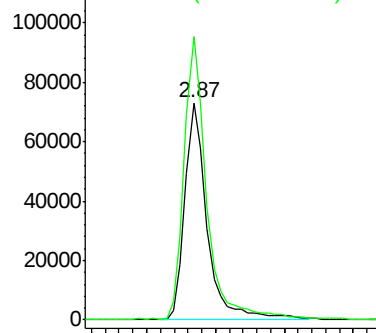
#8

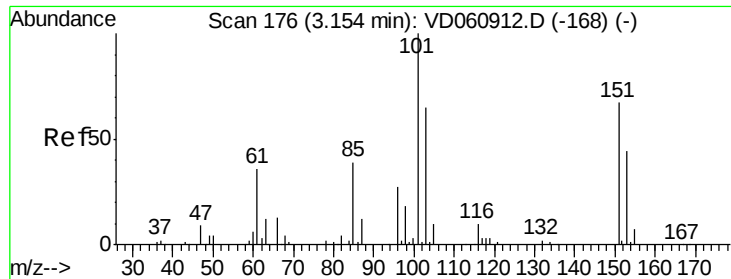
Diethyl Ether
 Concen: 126.780 ug/l
 RT: 2.87 min Scan# 147
 Delta R.T. -0.01 min
 Lab File: VD060915.D
 Acq: 1 Mar 2019 18:27

Tgt Ion: 74 Resp: 165670
 Ion Ratio Lower Upper
 74 100
 45 130.3 64.8 194.4



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: 100.095 ug/l

RT: 3.15 min Scan# 176

Delta R.T. 0.00 min

Lab File: VD060915.D

Acq: 1 Mar 2019 18:27

Instrument :

MSVOA_D

ClientSampleId :

ICVVD030119

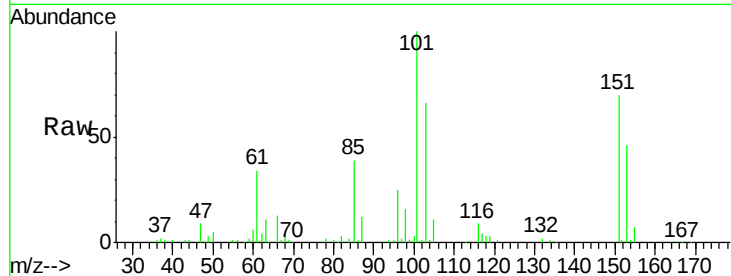
Tot Ion:101 Resp: 467738

Ion Ratio Lower Upper

101 100

85 39.0 34.7 52.1

151 70.1 61.2 91.8



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

200000

150000

100000

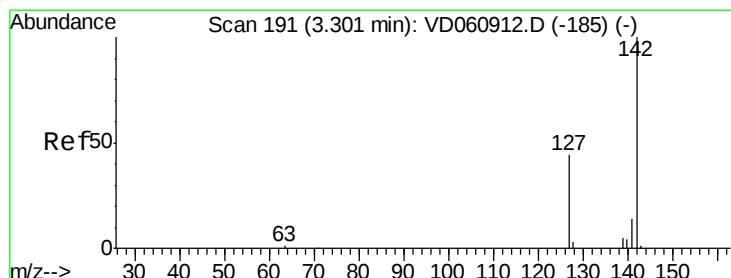
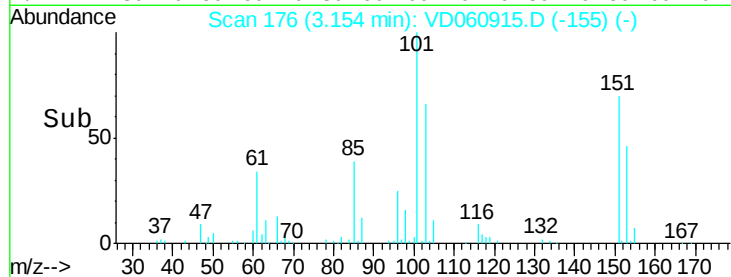
50000

0

3.15

3.10 3.20 3.30

Time-->



#10

Methyl Iodide

Concen: 48.635 ug/l

RT: 3.30 min Scan# 191

Delta R.T. -0.02 min

Lab File: VD060915.D

Acq: 1 Mar 2019 18:27

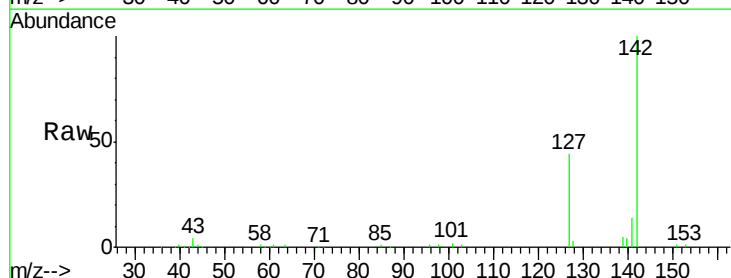
Tgt Ion:142 Resp: 648905

Ion Ratio Lower Upper

142 100

127 43.8 34.2 51.4

141 14.3 11.4 17.2



Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V

200000

150000

100000

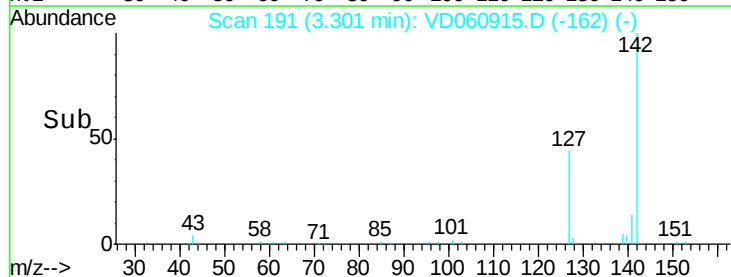
50000

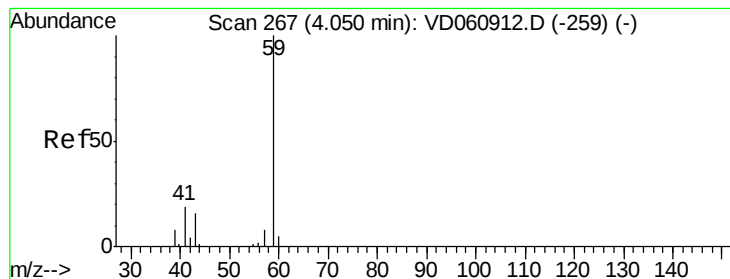
0

3.30

3.20 3.40 3.60

Time-->



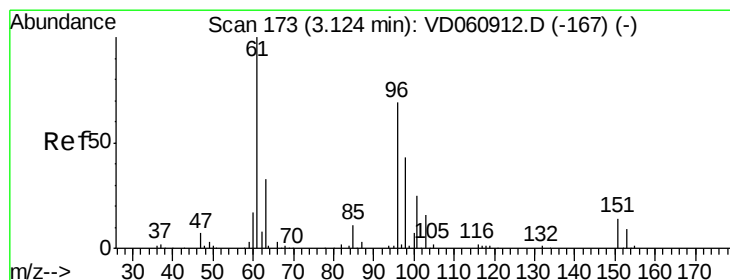
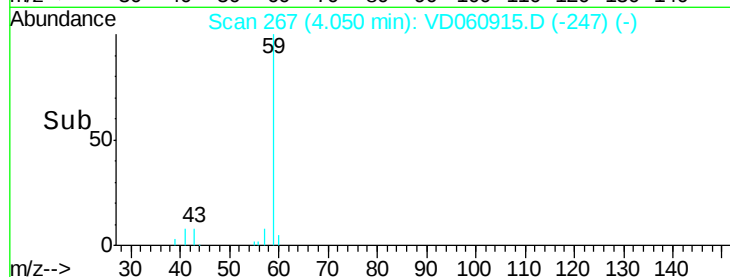
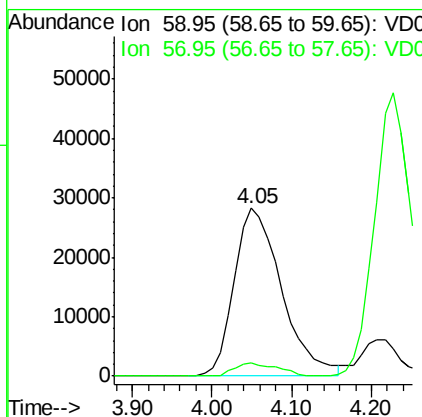
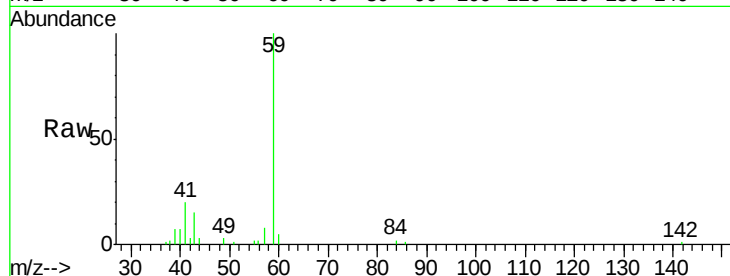


#11

Tert butyl alcohol
Concen: 276.438 ug/l
RT: 4.05 min Scan# 267
Delta R.T. -0.01 min
Lab File: VD060915.D
Acq: 1 Mar 2019 18:27

Instrument :
MSVOA_D
ClientSampleId :
ICVVD030119

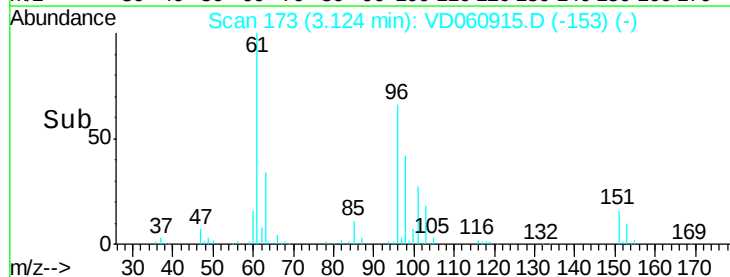
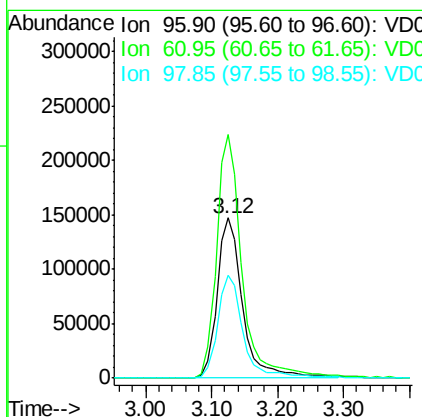
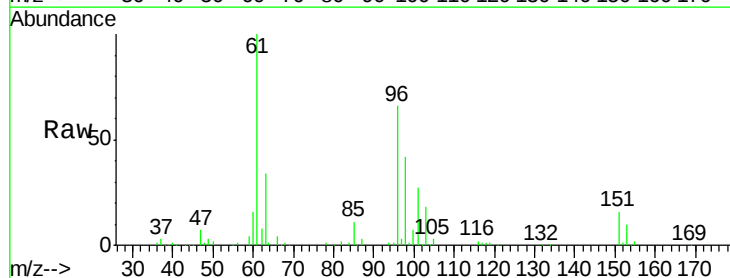
Tot Ion: 59 Resp: 117391
Ion Ratio Lower Upper
59 100
57 7.8 5.8 8.8

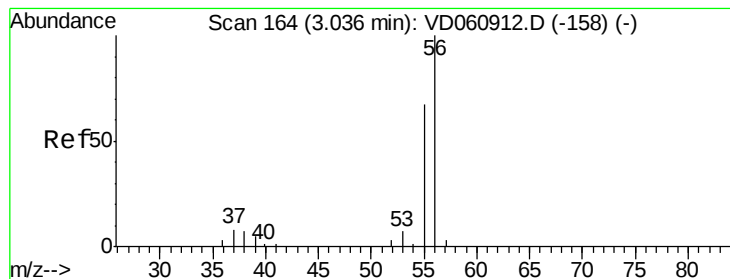


#12

1,1-Dichloroethene
Concen: 113.956 ug/l
RT: 3.12 min Scan# 173
Delta R.T. -0.01 min
Lab File: VD060915.D
Acq: 1 Mar 2019 18:27

Tgt Ion: 96 Resp: 397817
Ion Ratio Lower Upper
96 100
61 152.1 112.4 168.6
98 64.0 51.0 76.6





#13

Acrolein

Concen: 663.787 ug/l

RT: 3.03 min Scan# 163

Delta R.T. -0.01 min

Lab File: VD060915.D

Acq: 1 Mar 2019 18:27

Instrument :

MSVOA_D

ClientSampleId :

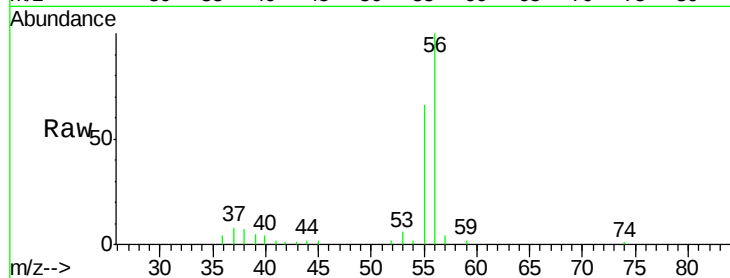
ICVVD030119

Tot Ion: 56 Resp: 156284

Ion Ratio Lower Upper

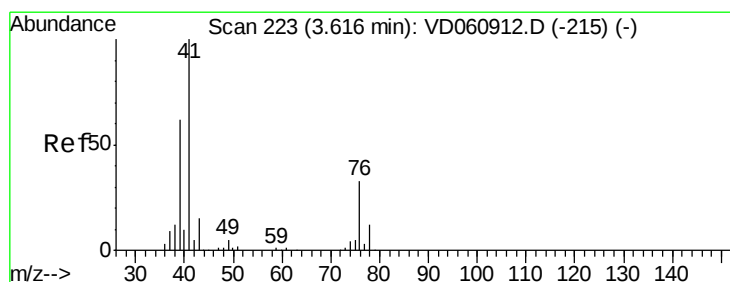
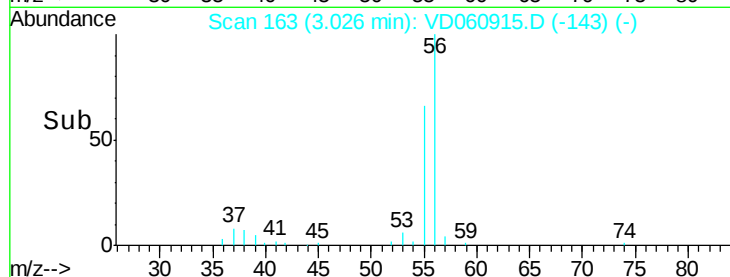
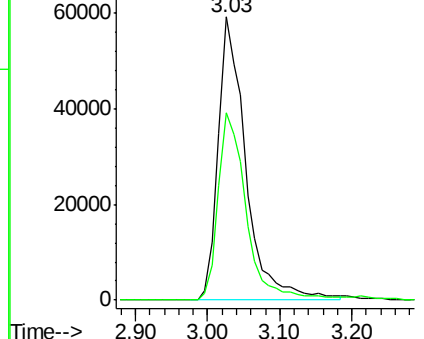
56 100

55 66.1 56.8 85.2



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 59.531 ug/l

RT: 3.62 min Scan# 223

Delta R.T. -0.01 min

Lab File: VD060915.D

Acq: 1 Mar 2019 18:27

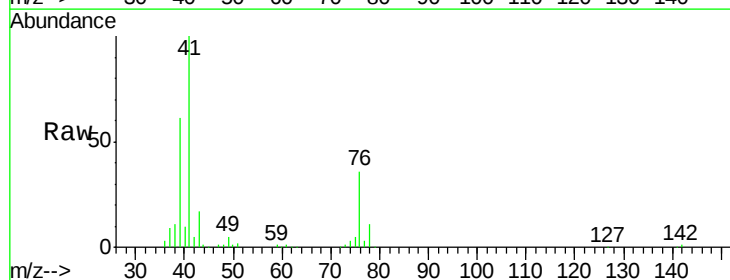
Tgt Ion: 41 Resp: 678489

Ion Ratio Lower Upper

41 100

39 61.2 55.7 83.5

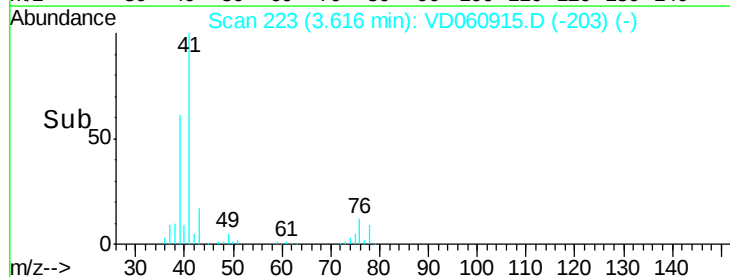
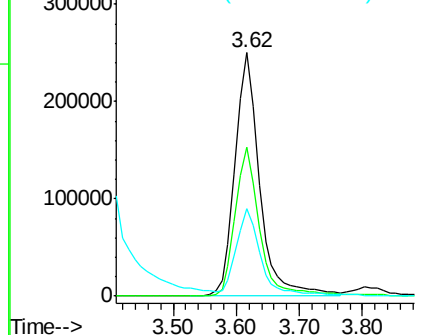
76 35.7 31.3 46.9

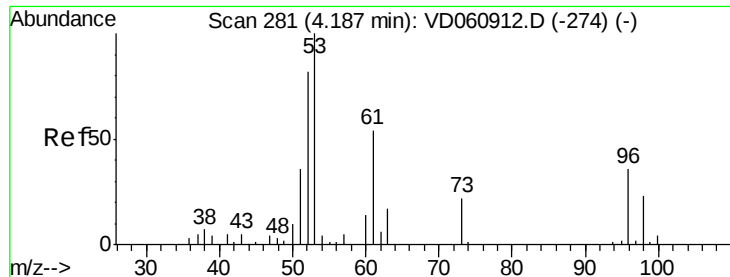


Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC





#15

Acrylonitrile

Concen: 342.007 ug/l

RT: 4.19 min Scan# 281

Delta R.T. -0.01 min

Lab File: VD060915.D

Acq: 1 Mar 2019 18:27

Instrument :

MSVOA_D

ClientSampleId :

ICVVD030119

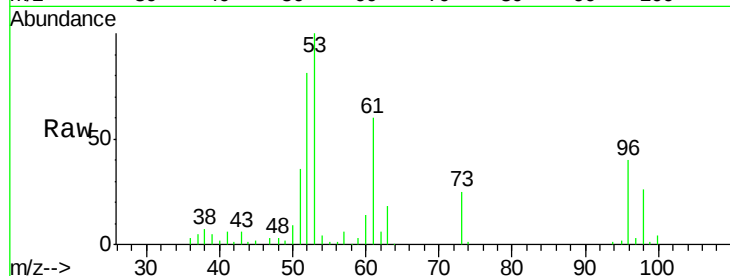
Tot Ion: 53 Resp: 453507

Ion Ratio Lower Upper

53 100

52 80.9 66.2 99.2

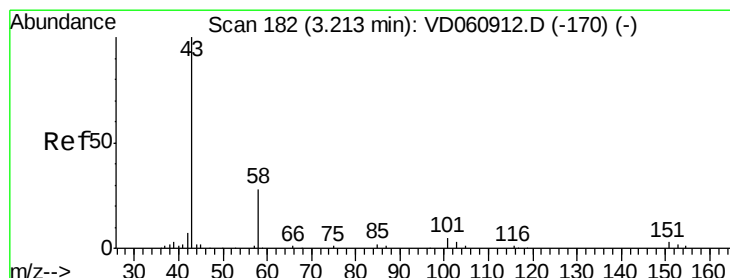
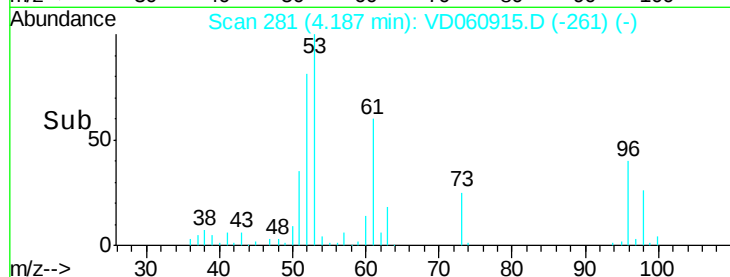
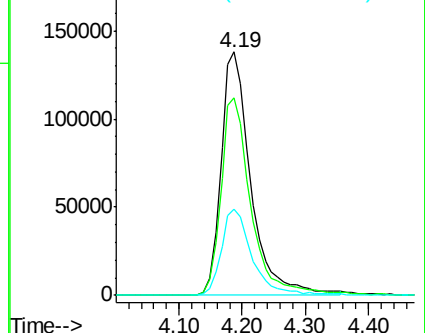
51 35.6 31.0 46.6



Abundance Ion 53.00 (52.70 to 53.70): VDC

Ion 52.00 (51.70 to 52.70): VDC

Ion 51.00 (50.70 to 51.70): VDC



#16

Acetone

Concen: 281.007 ug/l

RT: 3.21 min Scan# 182

Delta R.T. -0.01 min

Lab File: VD060915.D

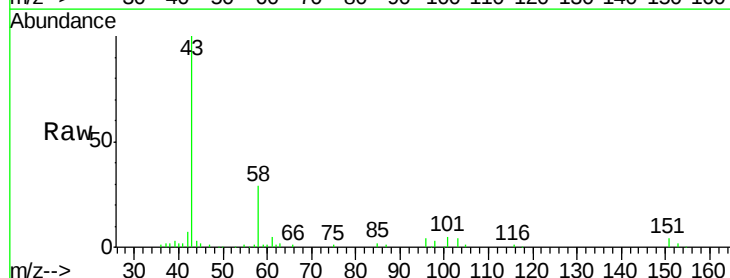
Acq: 1 Mar 2019 18:27

Tgt Ion: 43 Resp: 476785

Ion Ratio Lower Upper

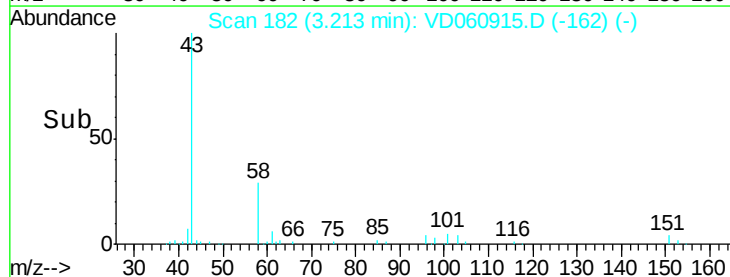
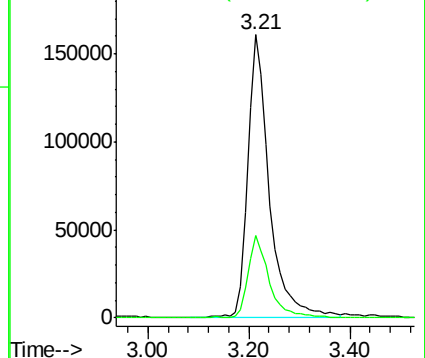
43 100

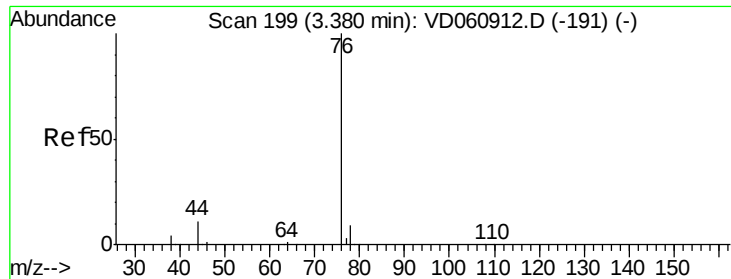
58 29.1 18.4 27.6#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

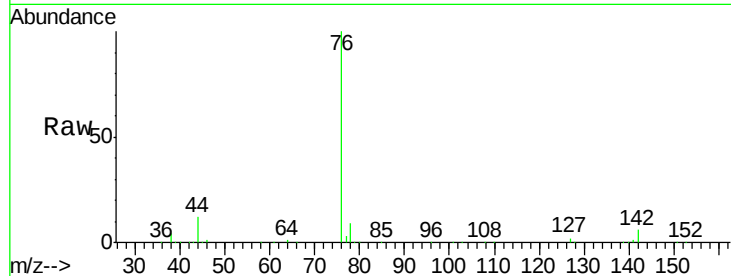




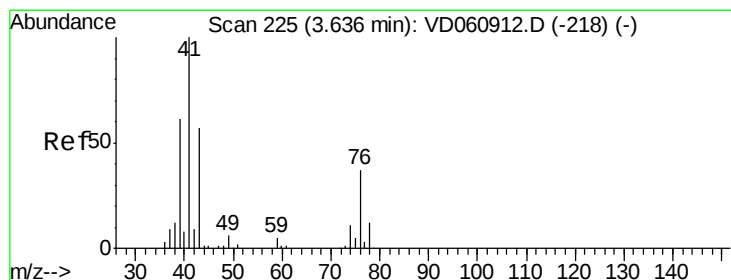
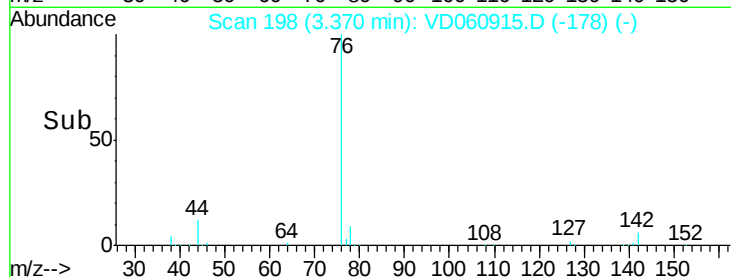
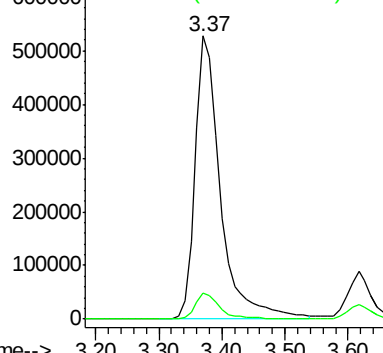
#17
Carbon Disulfide
Concen: 56.928 ug/l
RT: 3.37 min Scan# 198
Delta R.T. -0.01 min
Lab File: VD060915.D
Acq: 1 Mar 2019 18:27

Instrument :
MSVOA_D
ClientSampleId :
ICVVD030119

Tot Ion: 76 Resp: 1468348
Ion Ratio Lower Upper
76 100
78 9.4 7.3 10.9

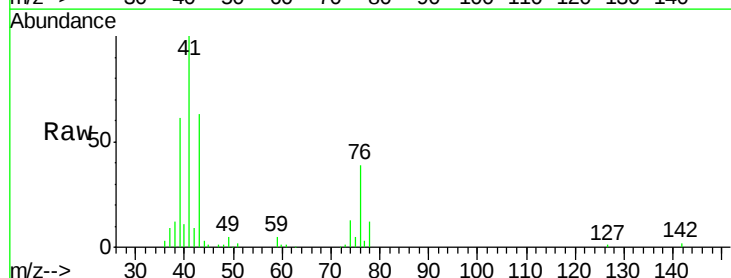


Abundance Ion 75.85 (75.55 to 76.55): VDC
Ion 77.85 (77.55 to 78.55): VDC

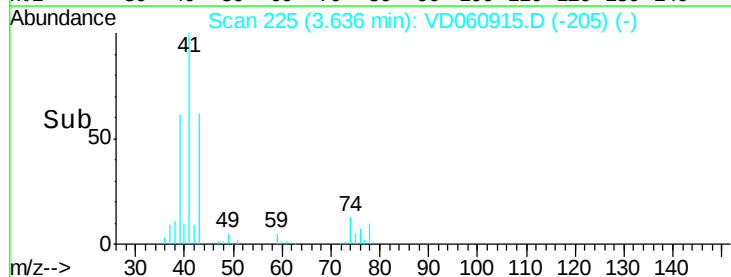
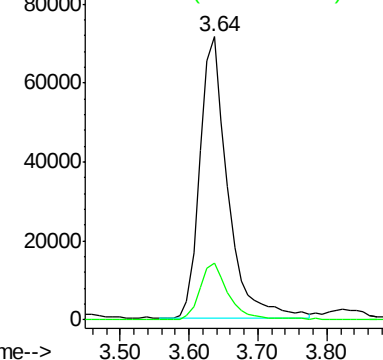


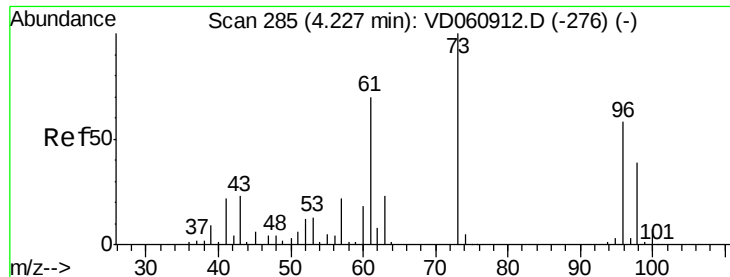
#18
Methyl Acetate
Concen: 56.865 ug/l
RT: 3.64 min Scan# 225
Delta R.T. -0.01 min
Lab File: VD060915.D
Acq: 1 Mar 2019 18:27

Tgt Ion: 43 Resp: 200181
Ion Ratio Lower Upper
43 100
74 20.2 18.6 28.0



Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 74.00 (73.70 to 74.70): VDC

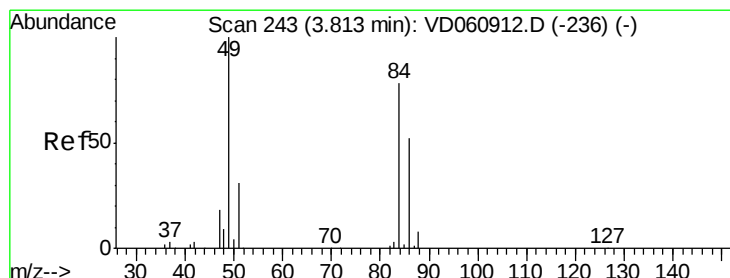
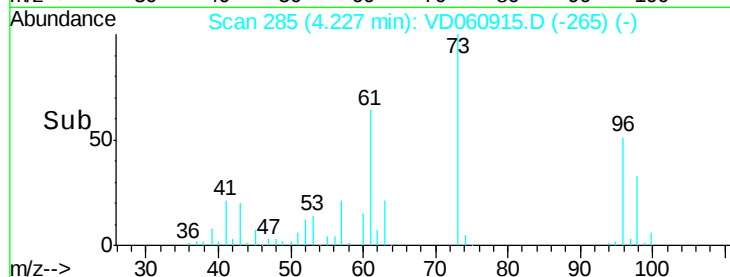
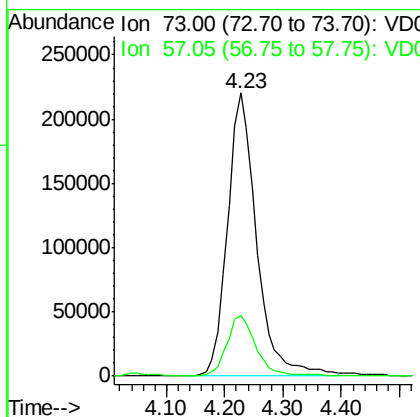
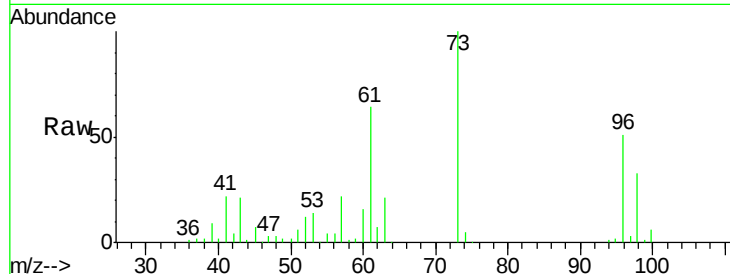




#19
Methvl tert-butvl Ether
Concen: 52.283 ug/l
RT: 4.23 min Scan# 285
Delta R.T. -0.01 min
Lab File: VD060915.D
Acq: 1 Mar 2019 18:27

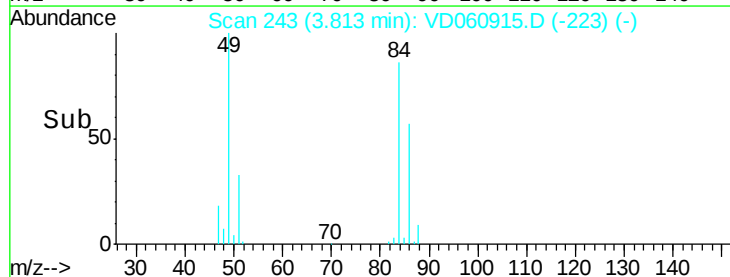
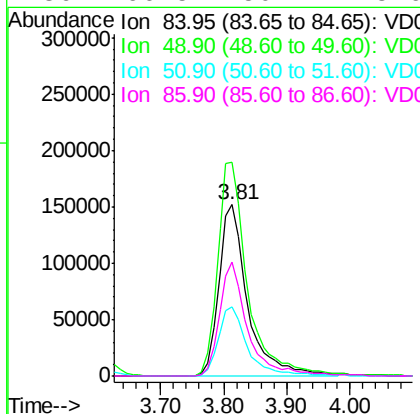
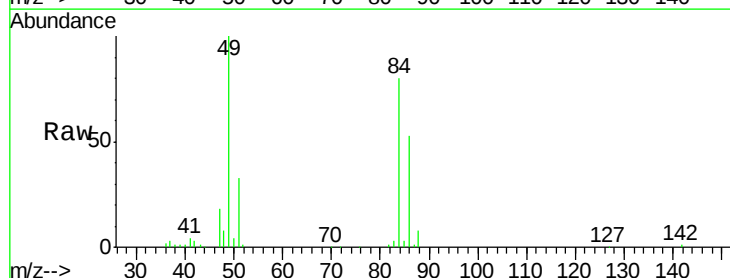
Instrument :
MSVOA_D
ClientSampleId :
ICVVD030119

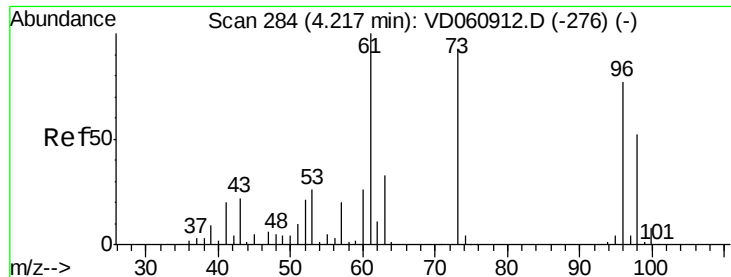
Tot Ion: 73 Resp: 765121
Ion Ratio Lower Upper
73 100
57 21.6 14.4 21.6#



#20
Methylene Chloride
Concen: 50.750 ug/l
RT: 3.81 min Scan# 243
Delta R.T. -0.01 min
Lab File: VD060915.D
Acq: 1 Mar 2019 18:27

Tgt Ion: 84 Resp: 483741
Ion Ratio Lower Upper
84 100
49 124.8 84.7 127.1
51 40.6 26.4 39.6#
86 66.5 50.4 75.6





#21

trans-1,2-Dichloroethene

Concen: 59.861 ug/l

RT: 4.22 min Scan# 284

Delta R.T. -0.01 min

Lab File: VD060915.D

Acq: 1 Mar 2019 18:27

Instrument :

MSVOA_D

ClientSampleId :

ICVVD030119

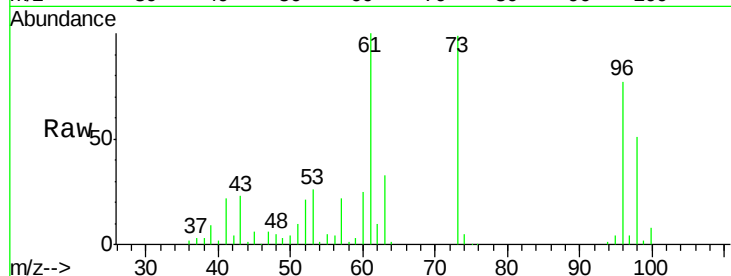
Tot Ion: 96 Resp: 463099

Ion Ratio Lower Upper

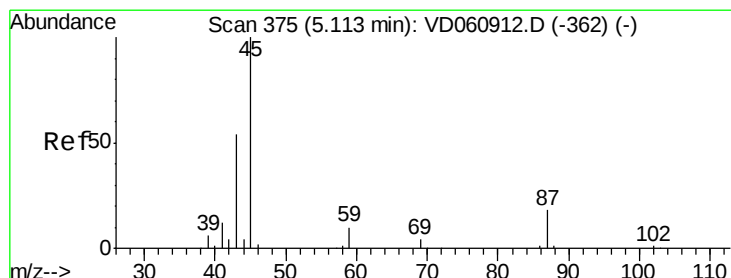
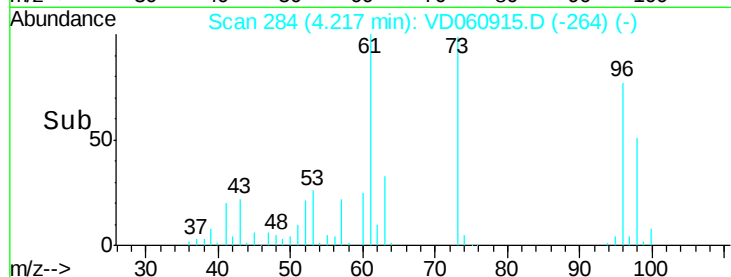
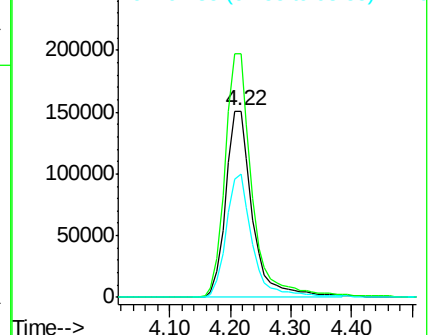
96 100

61 130.7 100.1 150.1

98 66.3 49.9 74.9



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: 61.948 ug/l

RT: 5.11 min Scan# 375

Delta R.T. -0.01 min

Lab File: VD060915.D

Acq: 1 Mar 2019 18:27

Tgt Ion: 45 Resp: 1384938

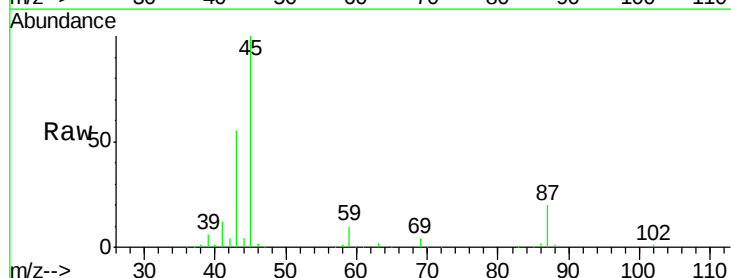
Ion Ratio Lower Upper

45 100

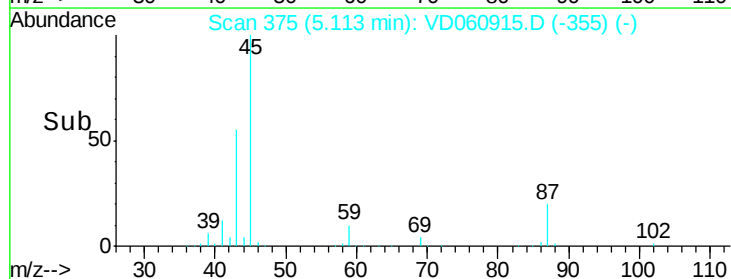
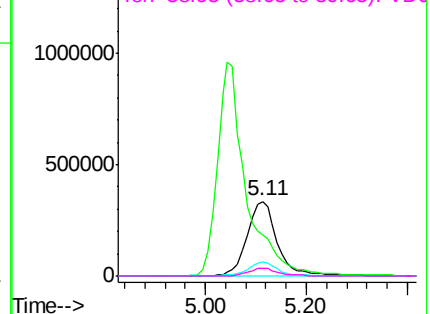
43 54.7 49.6 74.4

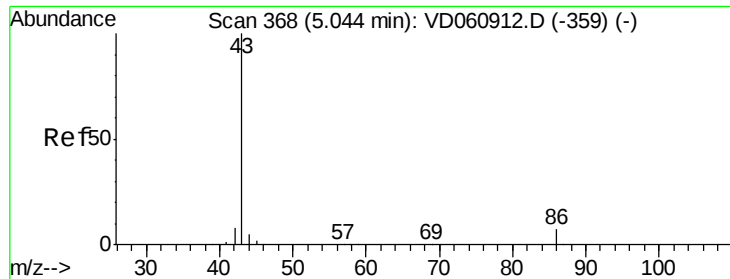
87 19.5 17.0 25.4

59 10.2 7.9 11.9



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: 298.772 ug/l

RT: 5.04 min Scan# 368

Delta R.T. -0.01 min

Lab File: VD060915.D

Acq: 1 Mar 2019 18:27

Instrument :

MSVOA_D

ClientSampleId :

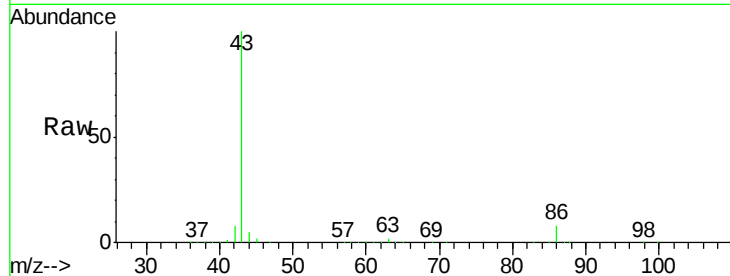
ICVVD030119

Tot Ion: 43 Resp: 3779859

Ion Ratio Lower Upper

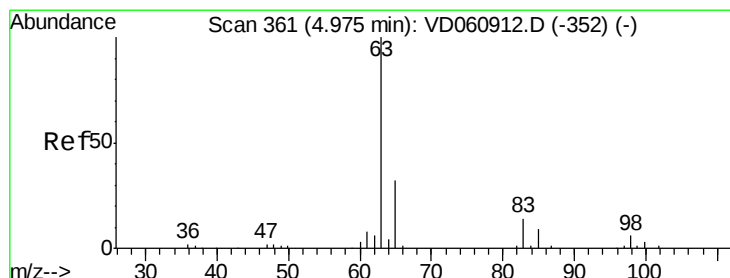
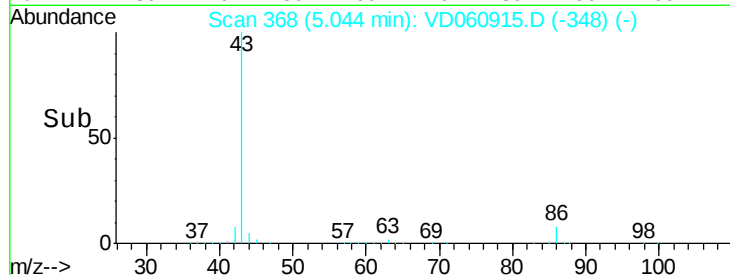
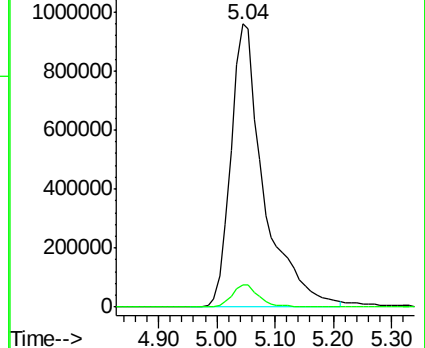
43 100

86 7.7 6.5 9.7



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 59.198 ug/l

RT: 4.98 min Scan# 361

Delta R.T. -0.01 min

Lab File: VD060915.D

Acq: 1 Mar 2019 18:27

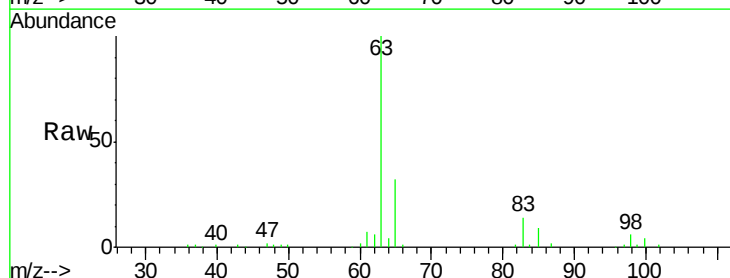
Tgt Ion: 63 Resp: 722997

Ion Ratio Lower Upper

63 100

98 5.6 2.9 8.6

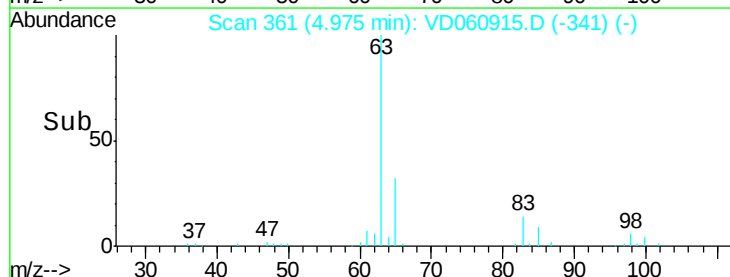
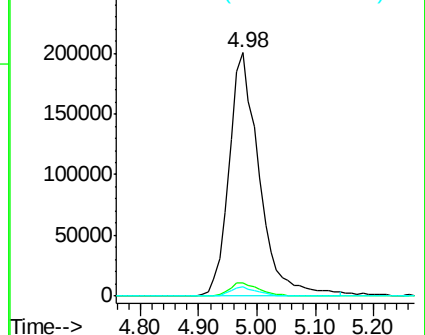
100 4.1 1.8 5.3

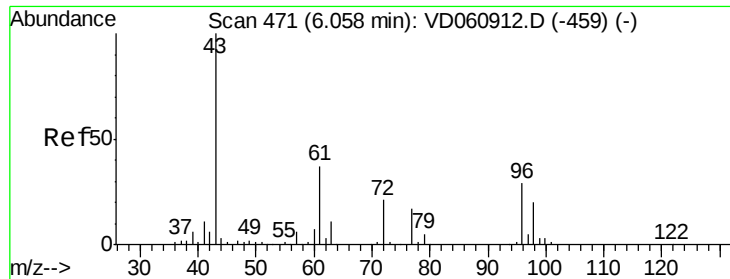


Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC





#25

2-Butanone

Concen: 277.896 ug/l

RT: 6.06 min Scan# 471

Delta R.T. -0.01 min

Lab File: VD060915.D

Acq: 1 Mar 2019 18:27

Instrument :

MSVOA_D

ClientSampleId :

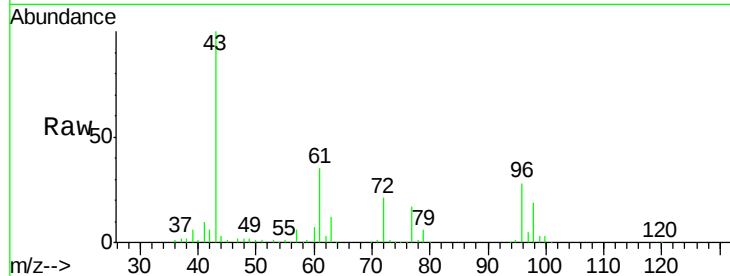
ICVVD030119

Tot Ion: 43 Resp: 622312

Ion Ratio Lower Upper

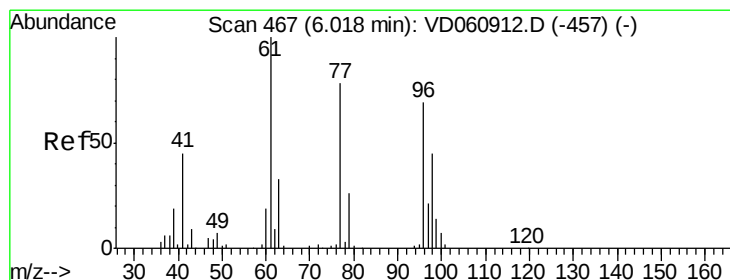
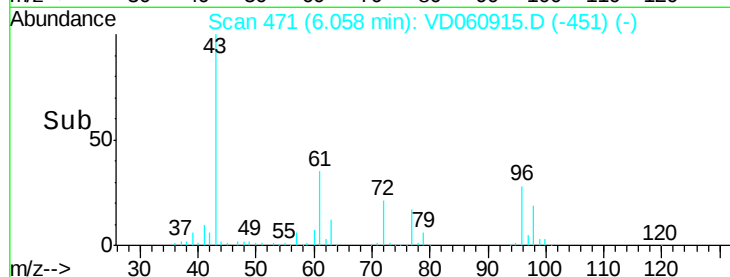
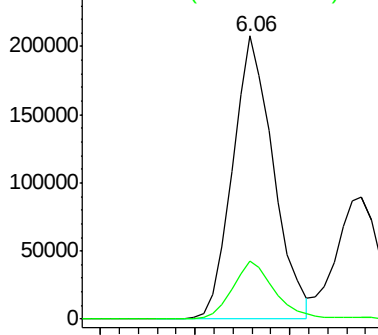
43 100

72 20.7 16.8 25.2



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 48.762 ug/l

RT: 6.01 min Scan# 466

Delta R.T. -0.02 min

Lab File: VD060915.D

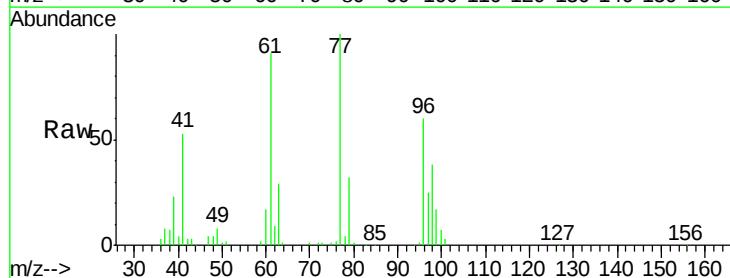
Acq: 1 Mar 2019 18:27

Tgt Ion: 77 Resp: 565345

Ion Ratio Lower Upper

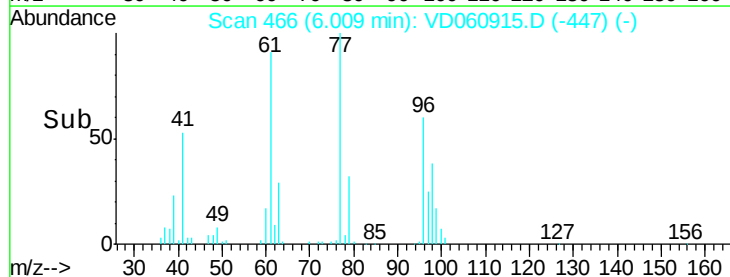
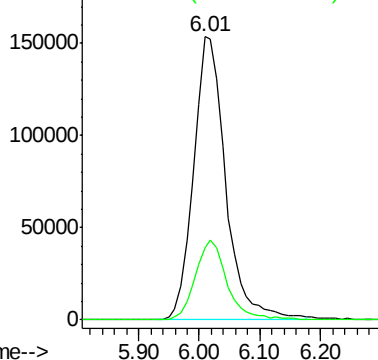
77 100

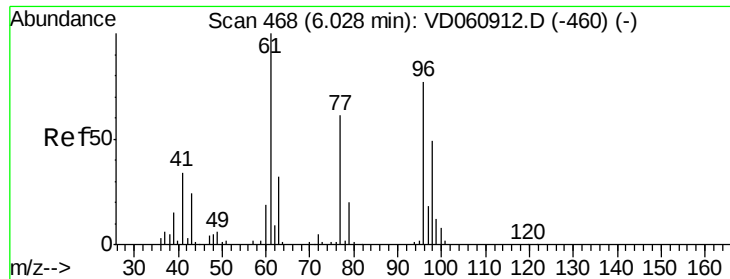
97 25.3 11.7 35.1



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



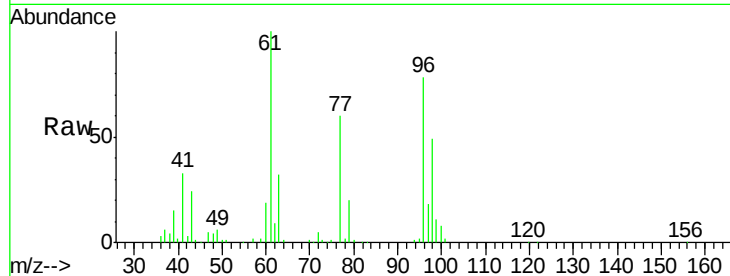


#27

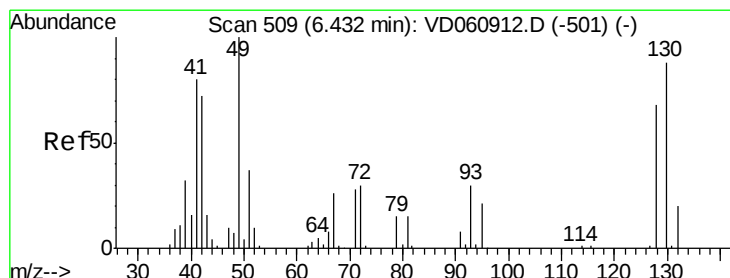
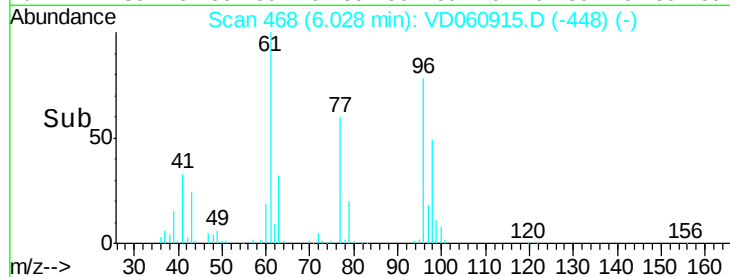
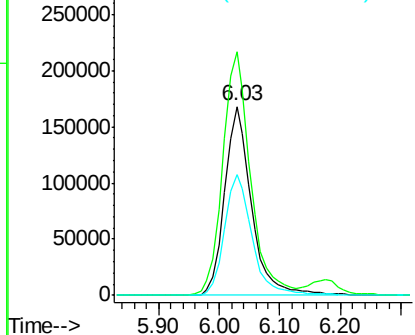
cis-1,2-Dichloroethene
Concen: 60.883 ug/l
RT: 6.03 min Scan# 468
Delta R.T. -0.01 min
Lab File: VD060915.D
Acq: 1 Mar 2019 18:27

Instrument :
MSVOA_D
ClientSampleId :
ICVVD030119

Tot Ion: 96 Resp: 517222
Ion Ratio Lower Upper
96 100
61 128.8 0.0 259.0
98 63.7 0.0 132.4



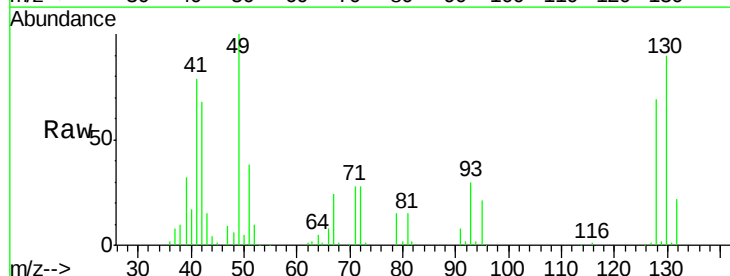
Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 97.85 (97.55 to 98.55): VDC



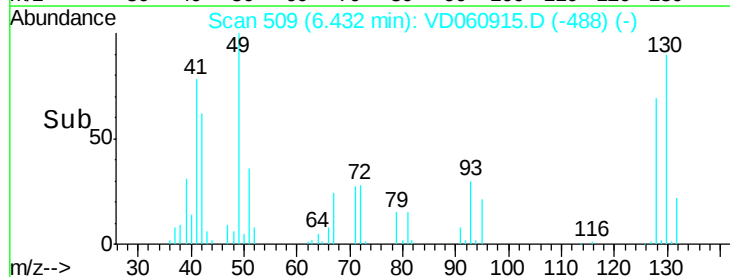
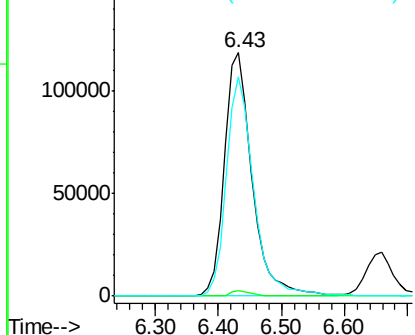
#28

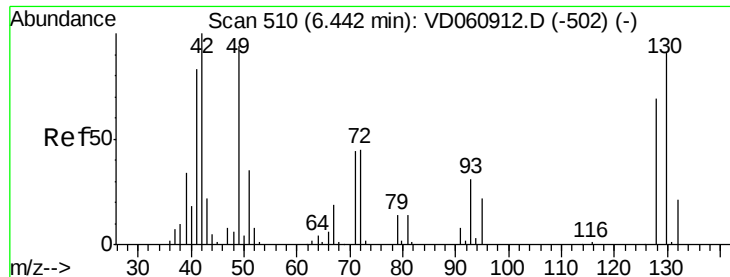
Bromochloromethane
Concen: 75.335 ug/l
RT: 6.43 min Scan# 509
Delta R.T. 0.00 min
Lab File: VD060915.D
Acq: 1 Mar 2019 18:27

Tgt Ion: 49 Resp: 361947
Ion Ratio Lower Upper
49 100
129 2.1 0.0 3.8
130 89.9 69.8 104.8



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

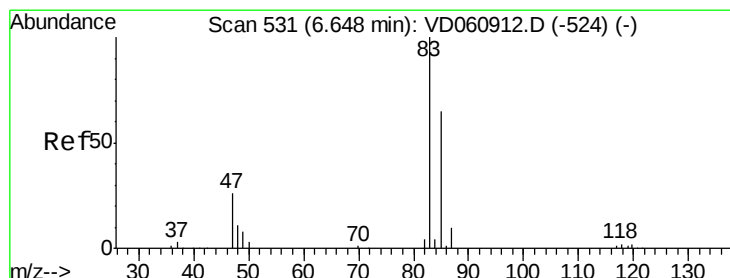
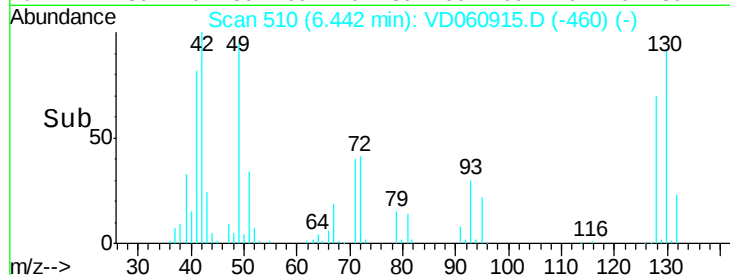
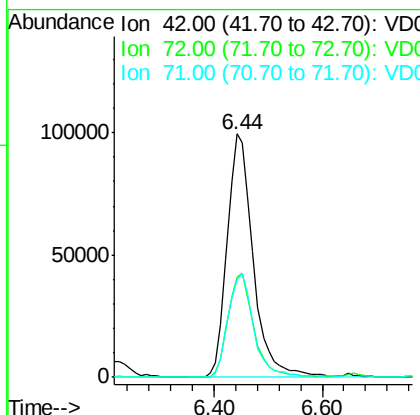
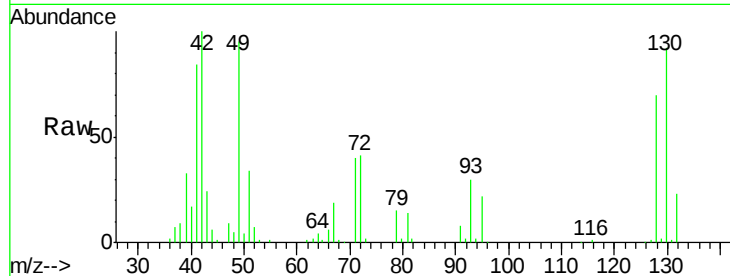




#29
Tetrahydrofuran
Concen: 299.391 ug/l
RT: 6.44 min Scan# 510
Delta R.T. -0.01 min
Lab File: VD060915.D
Acq: 1 Mar 2019 18:27

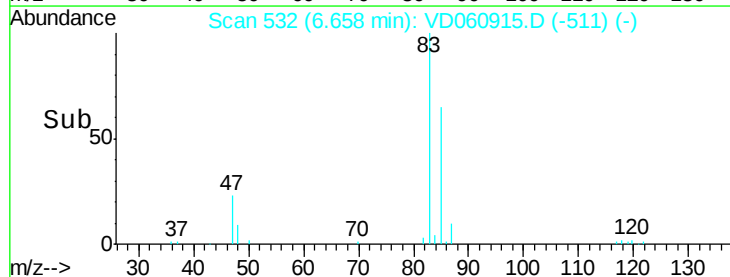
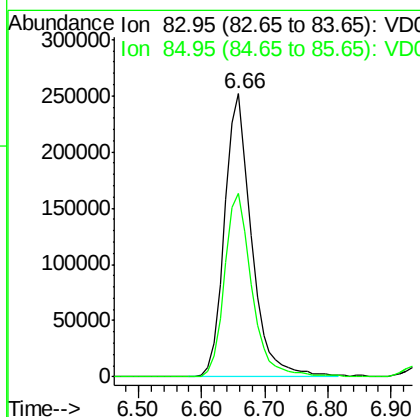
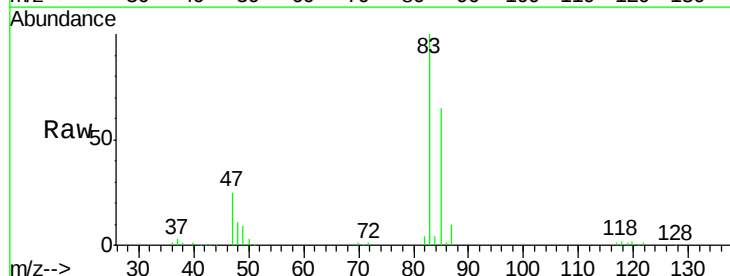
Instrument :
MSVOA_D
ClientSampleId :
ICVVD030119

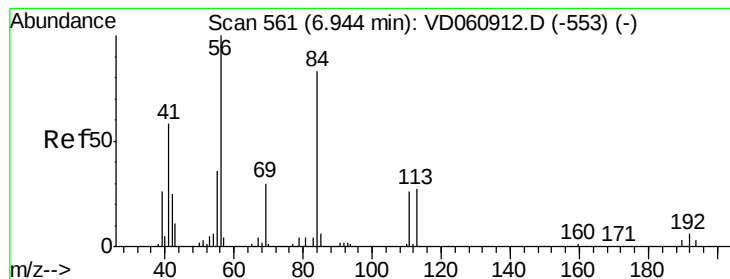
Tot Ion: 42 Resp: 334088
Ion Ratio Lower Upper
42 100
72 42.2 36.2 54.2
71 42.1 35.4 53.0



#30
Chloroform
Concen: 51.666 ug/l
RT: 6.66 min Scan# 532
Delta R.T. 0.00 min
Lab File: VD060915.D
Acq: 1 Mar 2019 18:27

Tgt Ion: 83 Resp: 746469
Ion Ratio Lower Upper
83 100
85 64.7 51.5 77.3





#31

Cyclohexane

Concen: 63.927 ug/l

RT: 6.94 min Scan# 561

Delta R.T. -0.01 min

Lab File: VD060915.D

Acq: 1 Mar 2019 18:27

Instrument :

MSVOA_D

ClientSampleId :

ICVVD030119

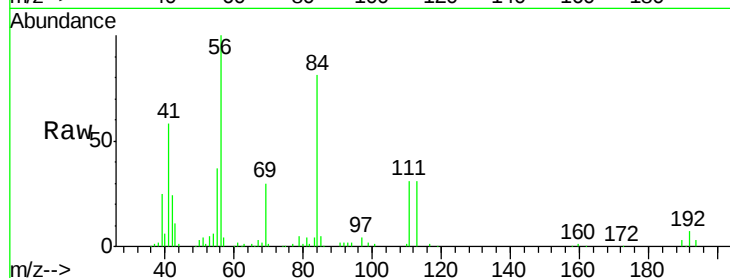
Tot Ion: 56 Resp: 647570

Ion Ratio Lower Upper

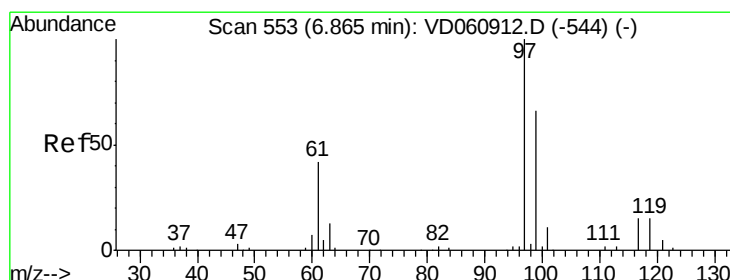
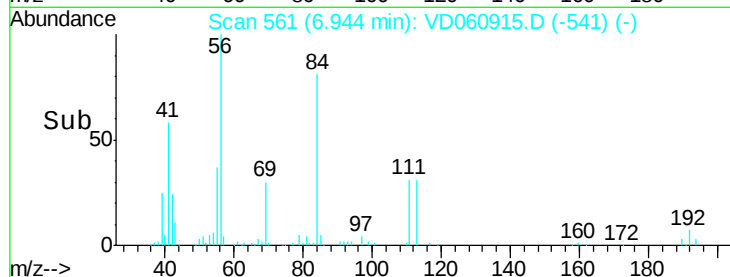
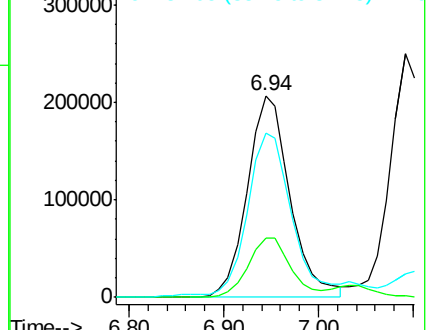
56 100

69 29.7 25.3 37.9

84 81.3 78.1 117.1



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: 56.586 ug/l

RT: 6.86 min Scan# 552

Delta R.T. -0.01 min

Lab File: VD060915.D

Acq: 1 Mar 2019 18:27

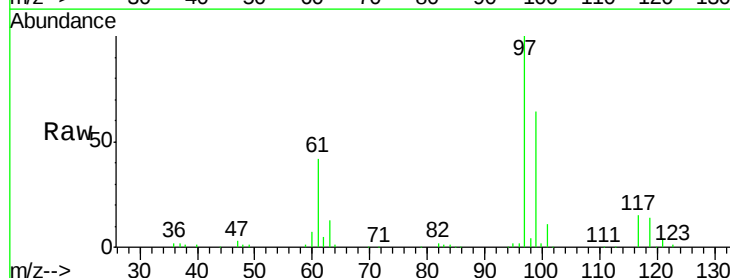
Tgt Ion: 97 Resp: 636455

Ion Ratio Lower Upper

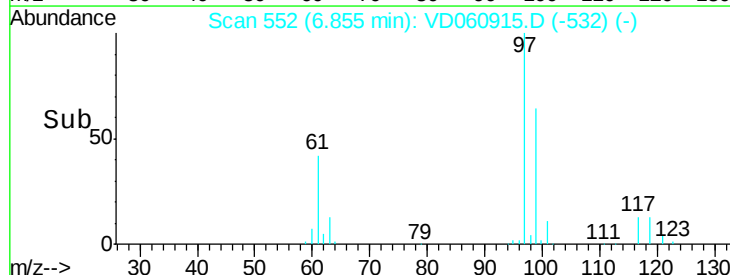
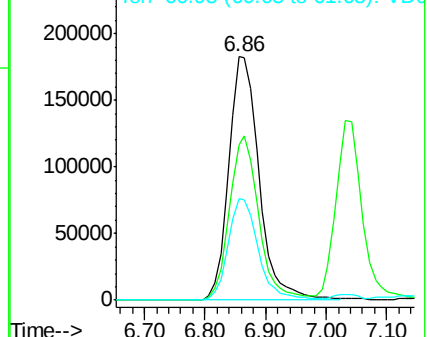
97 100

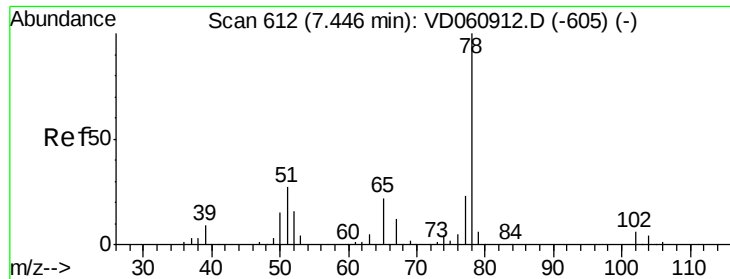
99 64.0 51.0 76.4

61 41.8 31.9 47.9



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

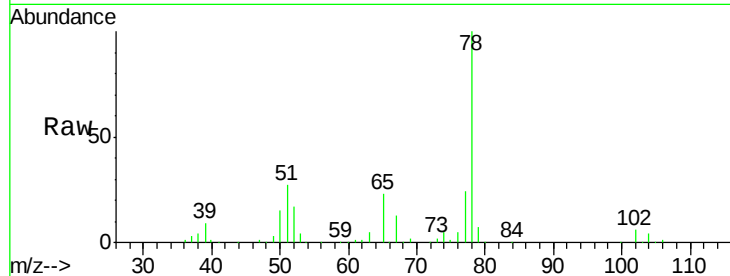




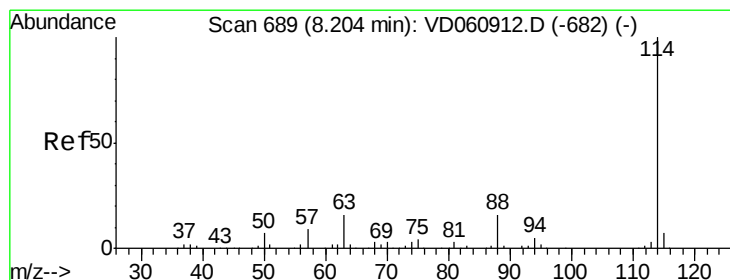
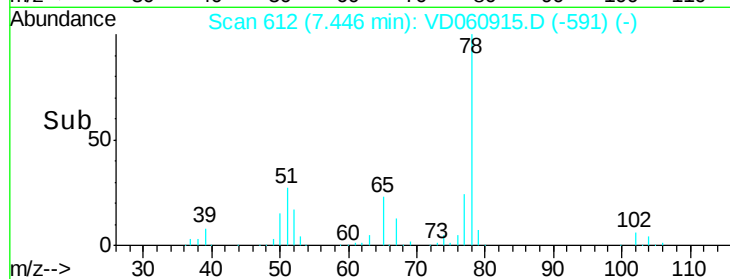
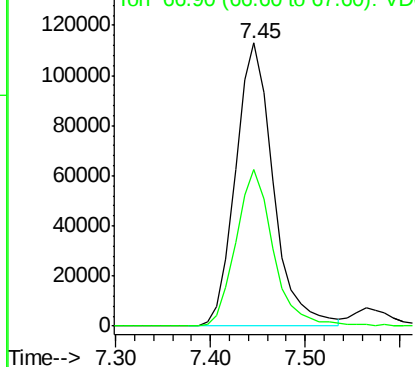
#33
 1,2-Dichloroethane-d4
 Concen: 56.586 ug/l
 RT: 7.45 min Scan# 612
 Delta R.T. 0.00 min
 Lab File: VD060915.D
 Acq: 1 Mar 2019 18:27

Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD030119

Tot Ion: 65 Resp: 311634
 Ion Ratio Lower Upper
 65 100
 67 55.4 0.0 106.0

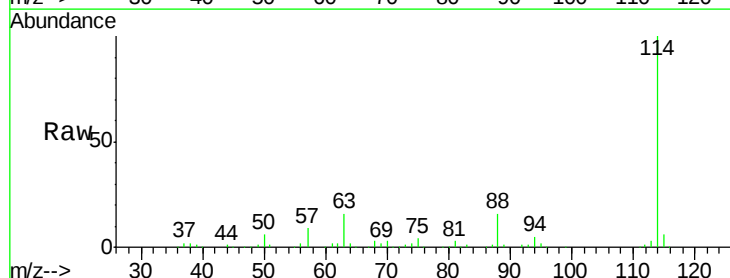


Abundance Ion 64.95 (64.65 to 65.65): VDC
 Ion 66.90 (66.60 to 67.60): VDC

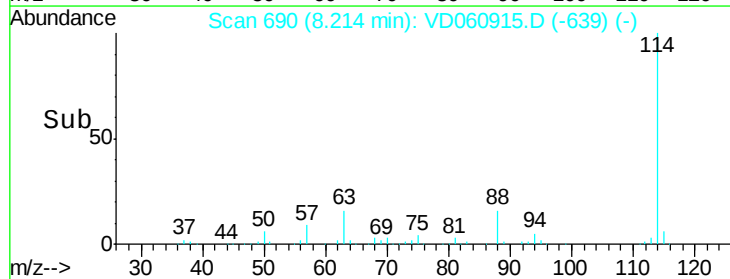
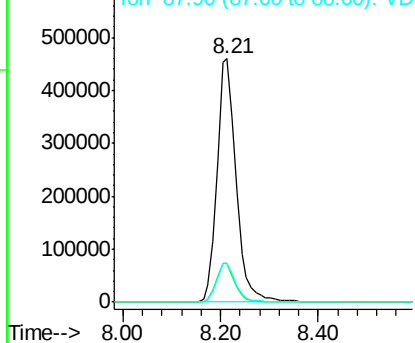


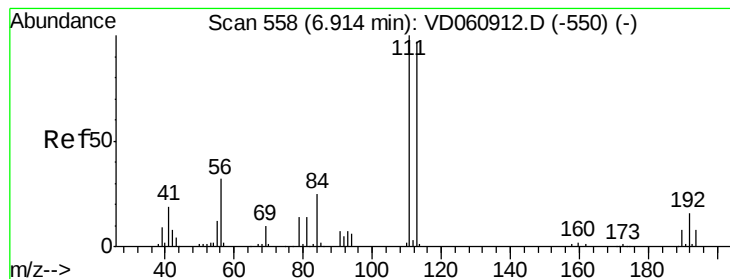
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.21 min Scan# 690
 Delta R.T. 0.00 min
 Lab File: VD060915.D
 Acq: 1 Mar 2019 18:27

Tgt Ion: 114 Resp: 1254227
 Ion Ratio Lower Upper
 114 100
 63 16.1 0.0 34.8
 88 15.9 0.0 39.0



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: 6.91 min Scan# 558

Delta R.T. -0.01 min

Lab File: VD060915.D

Acq: 1 Mar 2019 18:27

Instrument :

MSVOA_D

ClientSampleId :

ICVVD030119

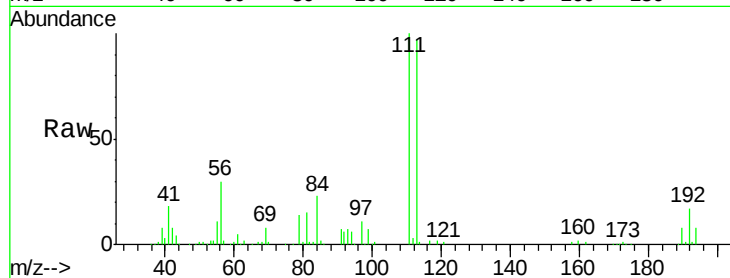
Tot Ion:113 Resp: 525212

Ion Ratio Lower Upper

113 100

111 102.8 81.9 122.9

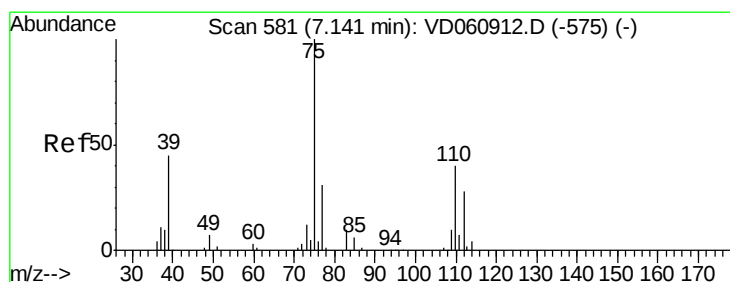
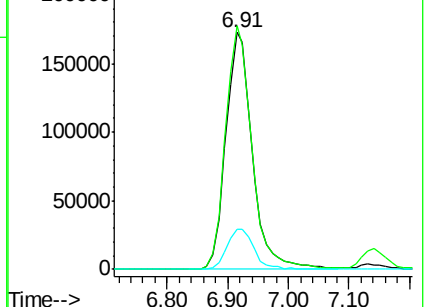
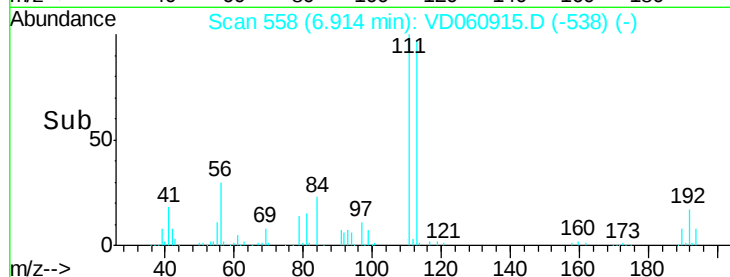
192 17.1 16.9 25.3



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: 43.486 ug/l

RT: 7.14 min Scan# 581

Delta R.T. 0.00 min

Lab File: VD060915.D

Acq: 1 Mar 2019 18:27

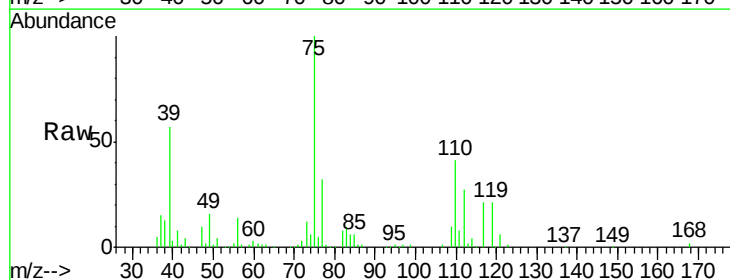
Tgt Ion: 75 Resp: 570637

Ion Ratio Lower Upper

75 100

110 41.2 16.8 50.3

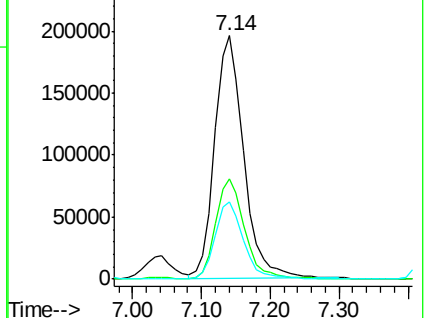
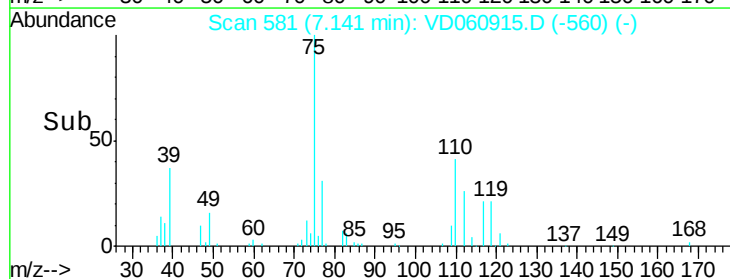
77 31.7 25.8 38.8

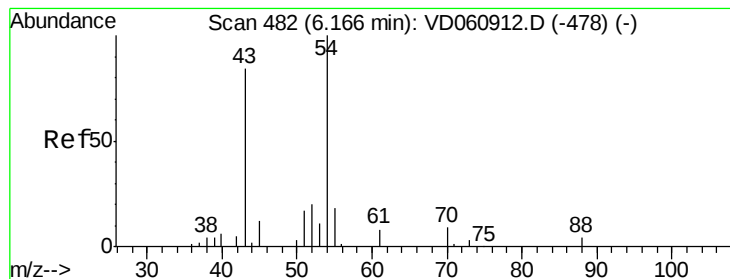


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): V





#37

Ethyl Acetate

Concen: 48.236 ug/l

RT: 6.18 min Scan# 483

Delta R.T. 0.00 min

Lab File: VD060915.D

Acq: 1 Mar 2019 18:27

Instrument :

MSVOA_D

ClientSampleId :

ICVVD030119

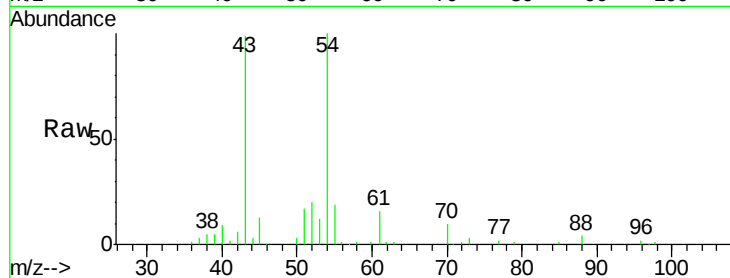
Tot Ion: 43 Resp: 297573

Ion Ratio Lower Upper

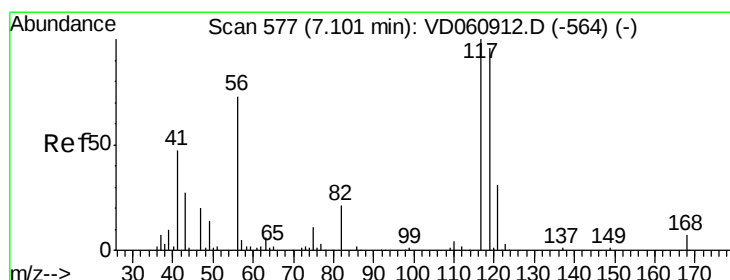
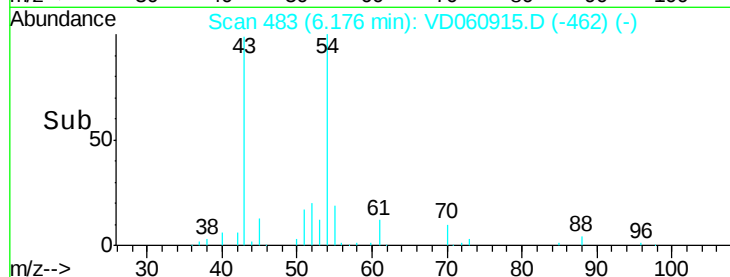
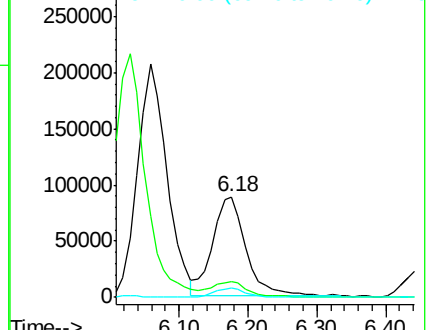
43 100

61 16.2 12.5 18.7

70 9.8 7.9 11.9



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



#38

Carbon Tetrachloride

Concen: 54.183 ug/l

RT: 7.10 min Scan# 577

Delta R.T. -0.01 min

Lab File: VD060915.D

Acq: 1 Mar 2019 18:27

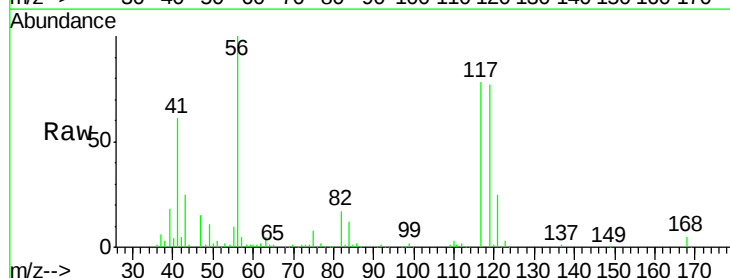
Tgt Ion: 117 Resp: 659729

Ion Ratio Lower Upper

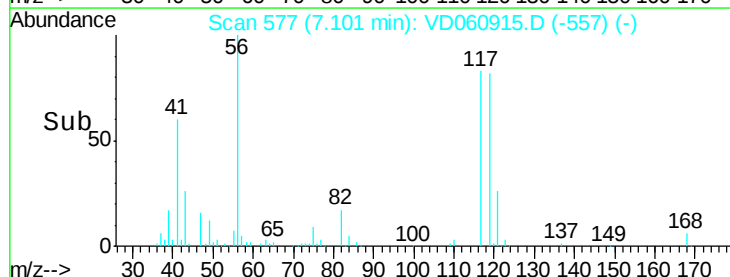
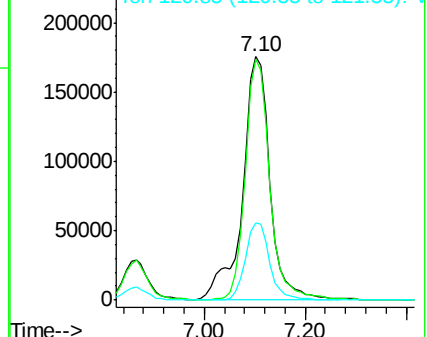
117 100

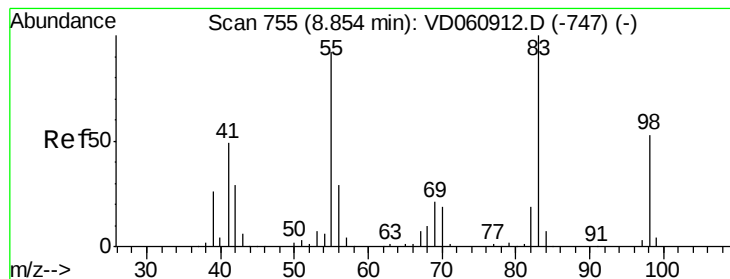
119 99.0 77.2 115.8

121 31.6 25.0 37.4



Abundance Ion 116.85 (116.55 to 117.55): V
Ion 118.85 (118.55 to 119.55): V
Ion 120.85 (120.55 to 121.55): V





#39

Methvlcvclohexane

Concen: 41.603 ug/l

RT: 8.85 min Scan# 755

Delta R.T. 0.00 min

Lab File: VD060915.D

Acq: 1 Mar 2019 18:27

Instrument :

MSVOA_D

ClientSampleId :

ICVVD030119

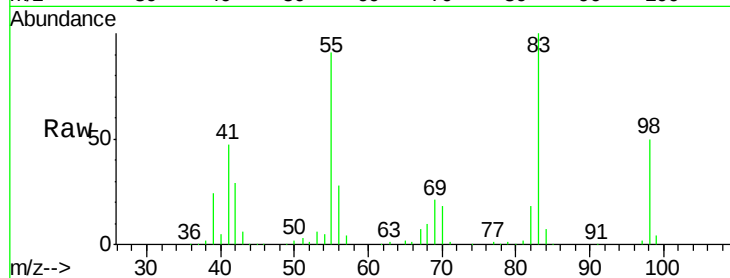
Tot Ion: 83 Resp: 580328

Ion Ratio Lower Upper

83 100

55 90.9 58.8 88.2#

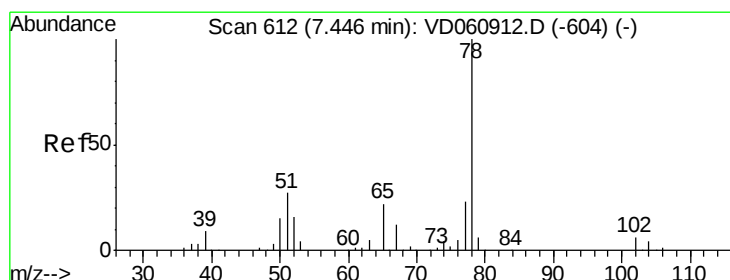
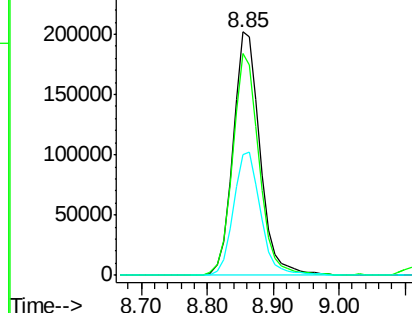
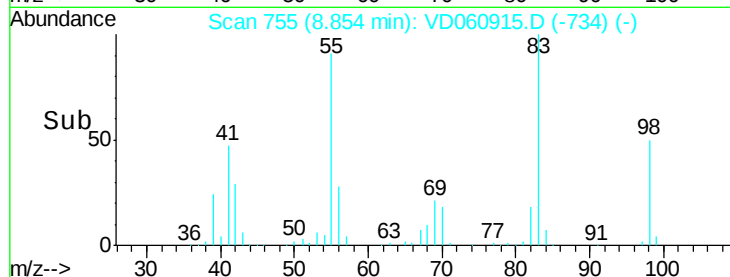
98 49.8 36.8 55.2



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: 44.816 ug/l

RT: 7.45 min Scan# 612

Delta R.T. 0.00 min

Lab File: VD060915.D

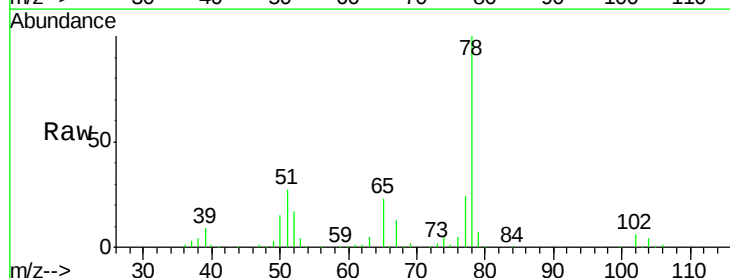
Acq: 1 Mar 2019 18:27

Tgt Ion: 78 Resp: 1461516

Ion Ratio Lower Upper

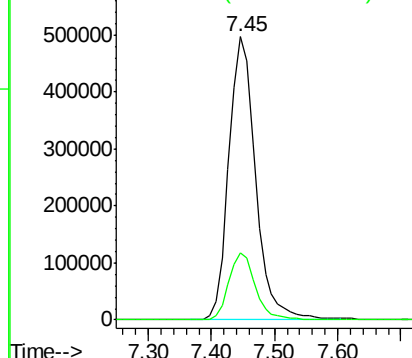
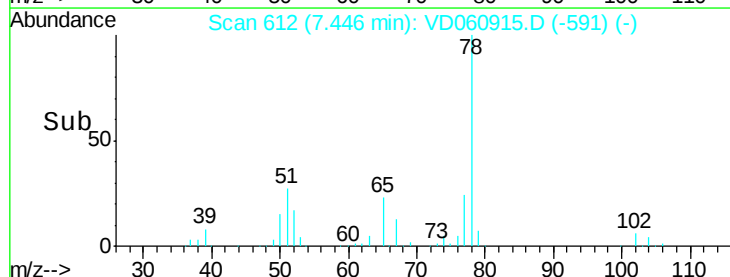
78 100

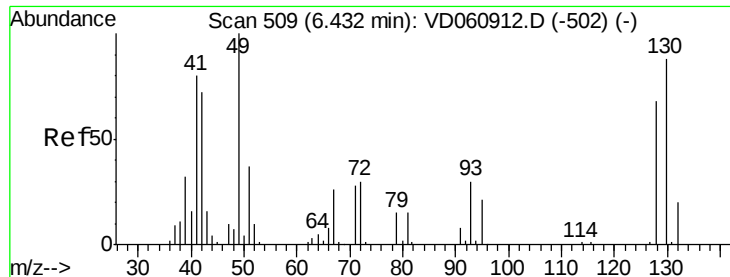
77 23.9 18.9 28.3



Abundance Ion 77.95 (77.65 to 78.65): VDC

Ion 76.95 (76.65 to 77.65): VDC

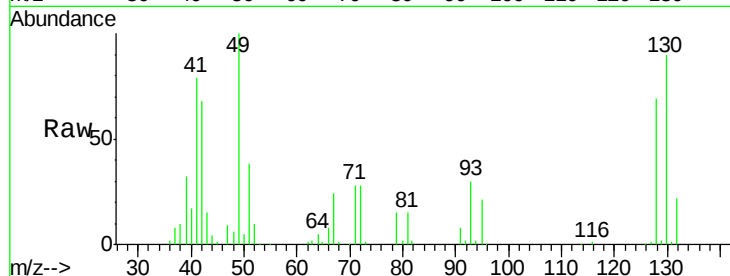




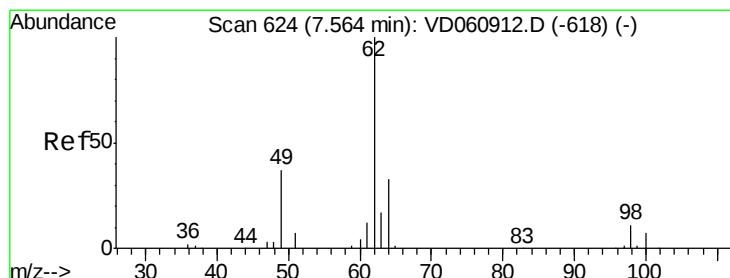
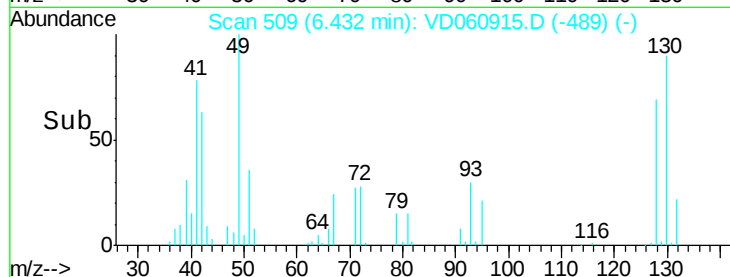
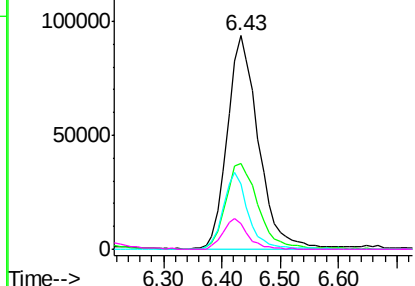
#41
Methacrylonitrile
Concen: 104.952 ug/l
RT: 6.43 min Scan# 509
Delta R.T. -0.01 min
Lab File: VD060915.D
Acq: 1 Mar 2019 18:27

Instrument :
MSVOA_D
ClientSampleId :
ICVVD030119

Tot Ion: 41 Resp: 349785
Ion Ratio Lower Upper
41 100
39 40.1 36.9 55.3
67 30.7 24.9 37.3
52 12.2 10.1 15.1

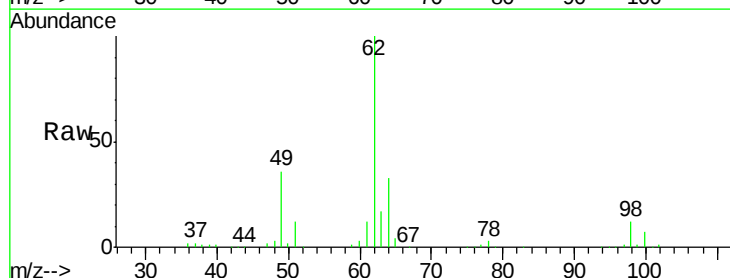


Abundance Ion 40.95 (40.65 to 41.65): VDC
Ion 38.95 (38.65 to 39.65): VDC
Ion 67.00 (66.70 to 67.70): VDC
Ion 52.00 (51.70 to 52.70): VDC

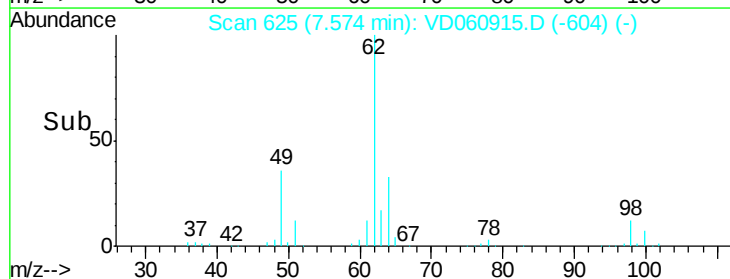
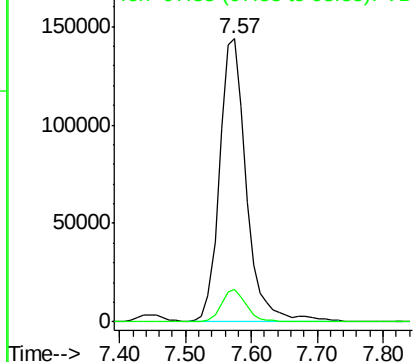


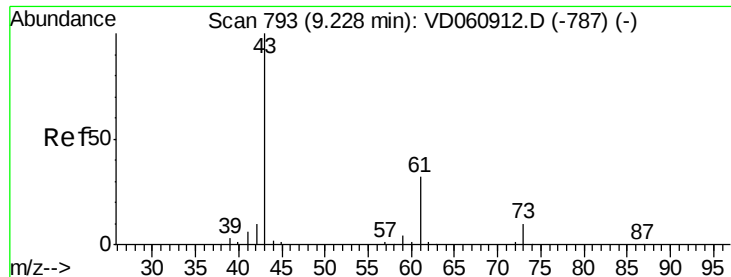
#42
1,2-Dichloroethane
Concen: 45.657 ug/l
RT: 7.57 min Scan# 625
Delta R.T. 0.00 min
Lab File: VD060915.D
Acq: 1 Mar 2019 18:27

Tgt Ion: 62 Resp: 404946
Ion Ratio Lower Upper
62 100
98 11.6 0.0 21.6



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



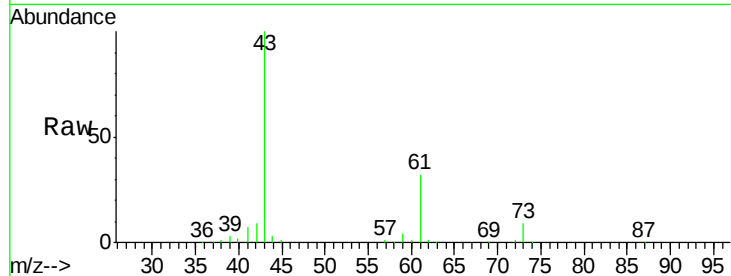


#43

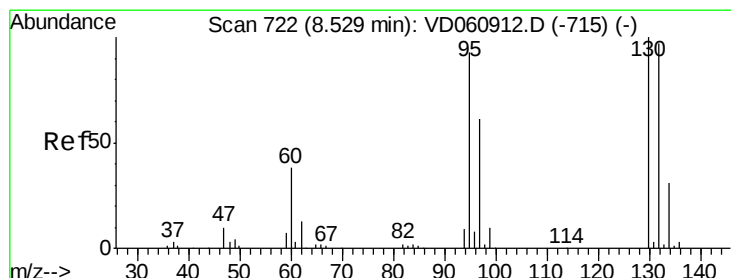
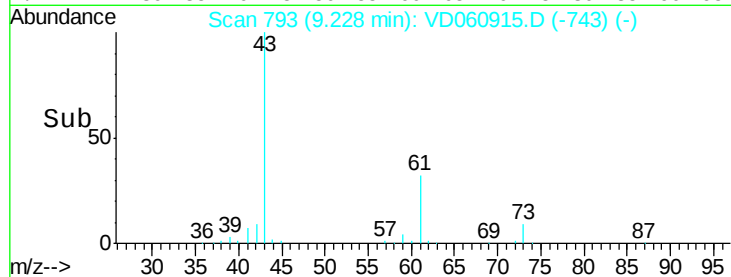
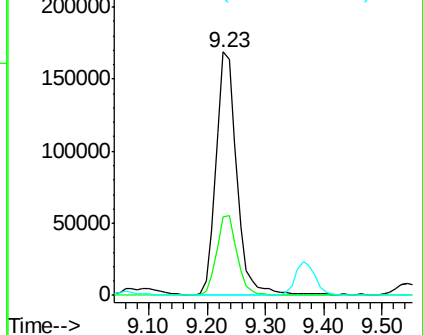
Isopropyl Acetate
 Concen: 48.073 ug/l
 RT: 9.23 min Scan# 793
 Delta R.T. -0.01 min
 Lab File: VD060915.D
 Acq: 1 Mar 2019 18:27

Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD030119

Tot Ion: 43 Resp: 420088
 Ion Ratio Lower Upper
 43 100
 61 32.3 25.4 38.2
 87 0.2 0.3 0.5#



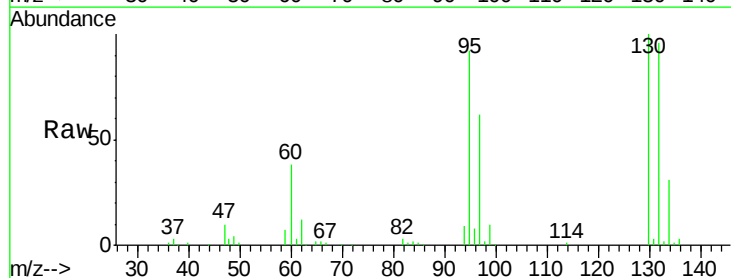
Abundance Ion 42.95 (42.65 to 43.65): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 87.00 (86.70 to 87.70): VDC



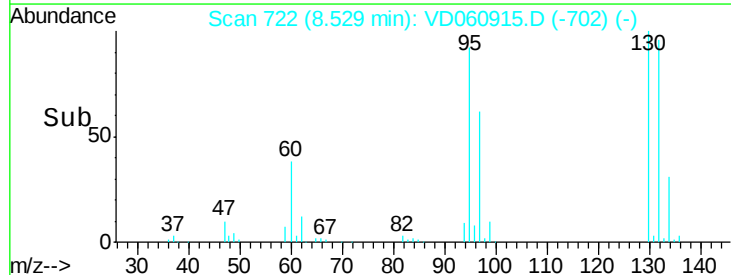
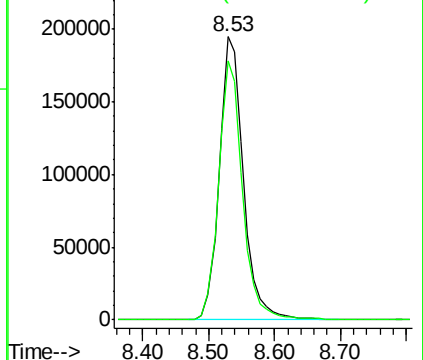
#44

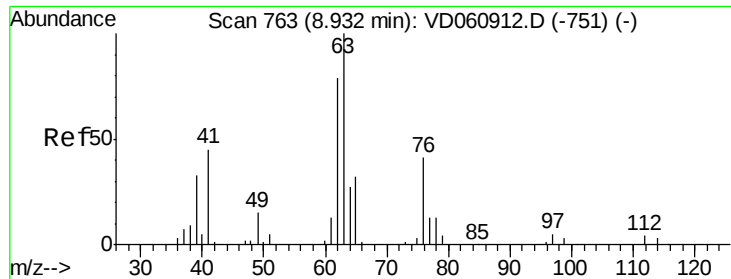
Trichloroethene
 Concen: 46.666 ug/l
 RT: 8.53 min Scan# 722
 Delta R.T. -0.01 min
 Lab File: VD060915.D
 Acq: 1 Mar 2019 18:27

Tgt Ion: 130 Resp: 496274
 Ion Ratio Lower Upper
 130 100
 95 91.7 0.0 179.6



Abundance Ion 129.80 (129.50 to 130.50): V
 Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 51.123 ug/l

RT: 8.93 min Scan# 763

Delta R.T. 0.00 min

Lab File: VD060915.D

Acq: 1 Mar 2019 18:27

Instrument :

MSVOA_D

ClientSampleId :

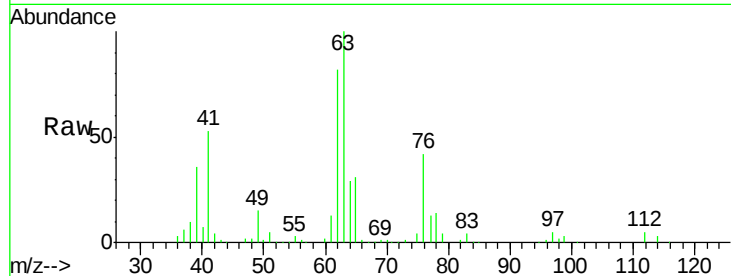
ICVVD030119

Tot Ion: 63 Resp: 389439

Ion Ratio Lower Upper

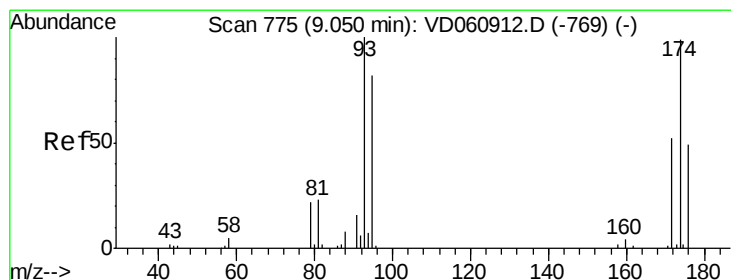
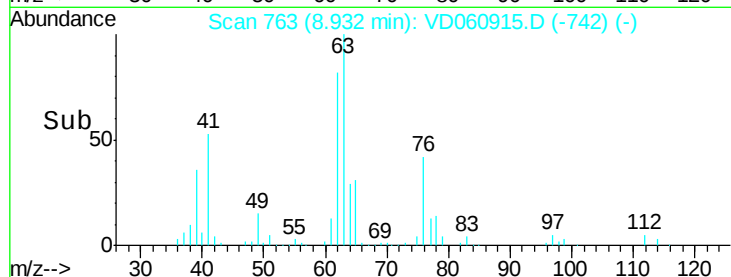
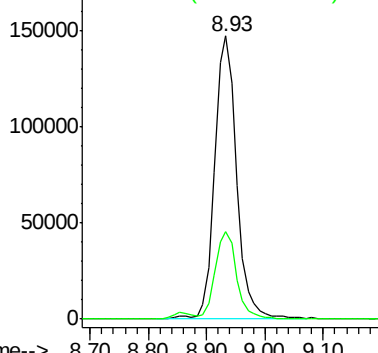
63 100

65 31.1 24.6 36.8



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC



#46

Dibromomethane

Concen: 45.759 ug/l

RT: 9.06 min Scan# 776

Delta R.T. 0.00 min

Lab File: VD060915.D

Acq: 1 Mar 2019 18:27

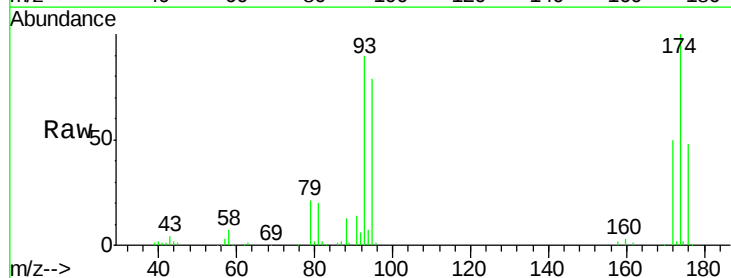
Tgt Ion: 93 Resp: 250458

Ion Ratio Lower Upper

93 100

95 87.2 64.0 96.0

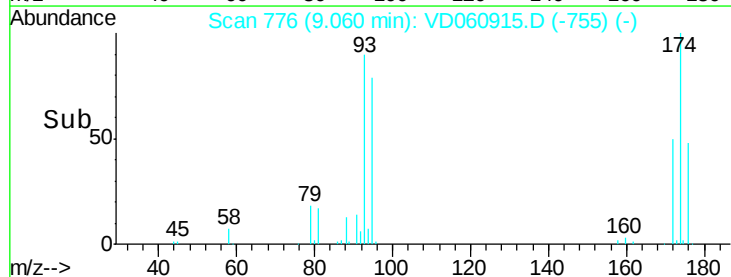
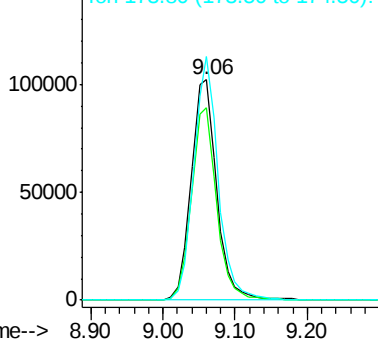
174 110.7 93.1 139.7

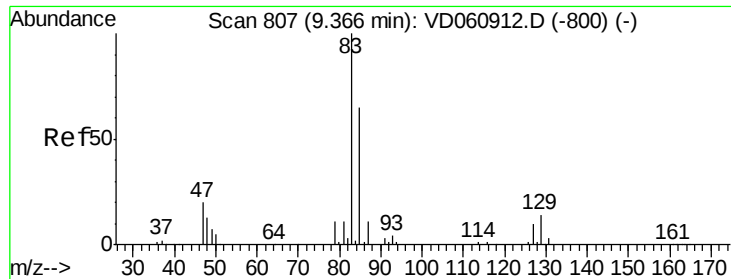


Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V





#47

Bromodichloromethane

Concen: 40.510 ug/l

RT: 9.37 min Scan# 807

Delta R.T. 0.00 min

Lab File: VD060915.D

Acq: 1 Mar 2019 18:27

Instrument :

MSVOA_D

ClientSampleId :

ICVVD030119

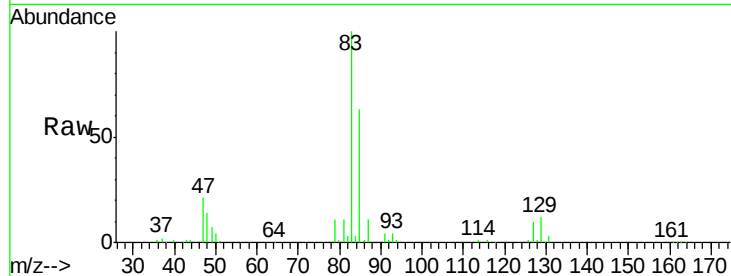
Tot Ion: 83 Resp: 525868

Ion Ratio Lower Upper

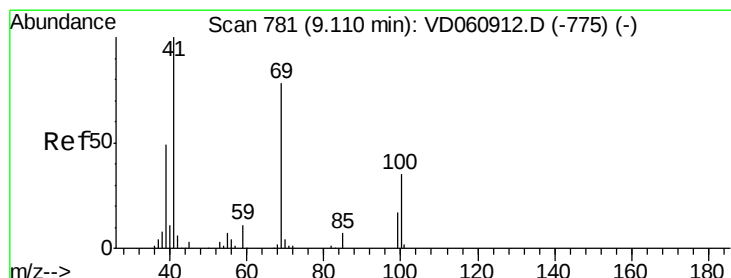
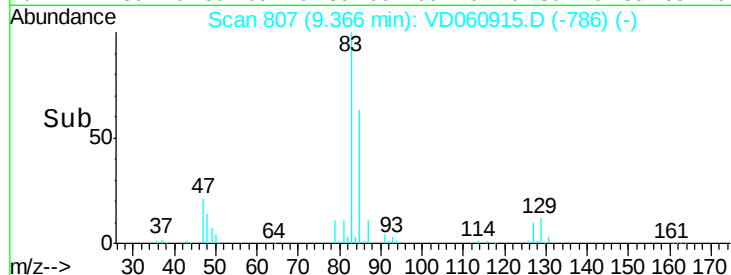
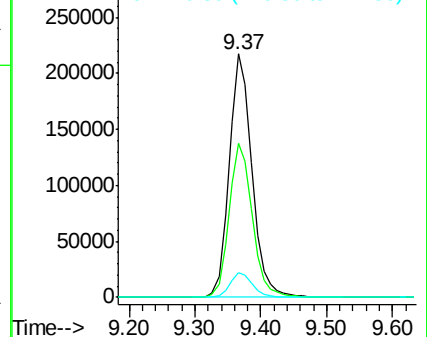
83 100

85 63.5 50.8 76.2

127 10.1 7.3 10.9



Abundance Ion 82.85 (82.55 to 83.55): VDC
Ion 84.95 (84.65 to 85.65): VDC
Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 47.189 ug/l

RT: 9.11 min Scan# 781

Delta R.T. -0.01 min

Lab File: VD060915.D

Acq: 1 Mar 2019 18:27

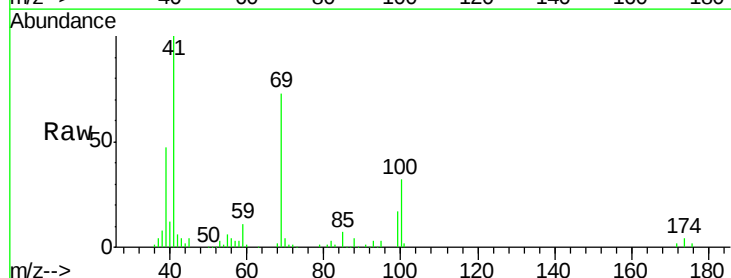
Tgt Ion: 41 Resp: 237410

Ion Ratio Lower Upper

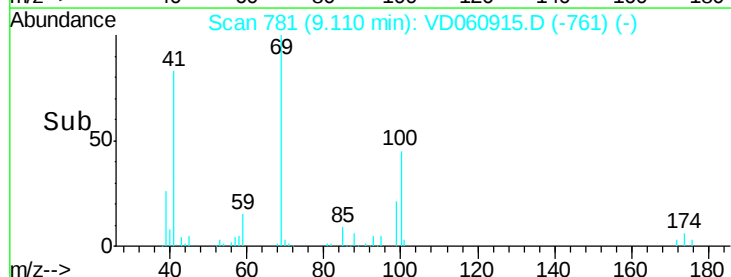
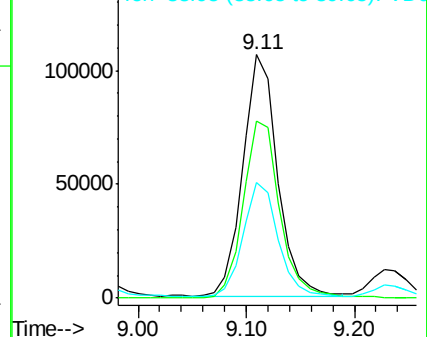
41 100

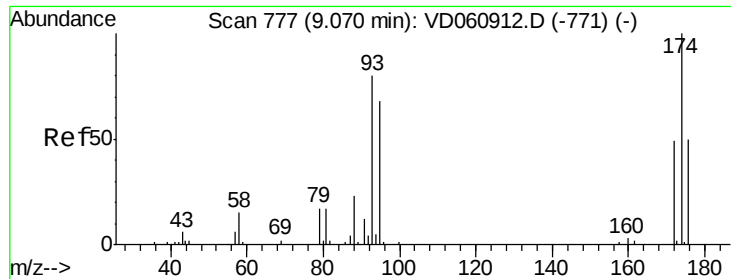
69 72.6 61.4 92.2

39 47.4 42.1 63.1



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

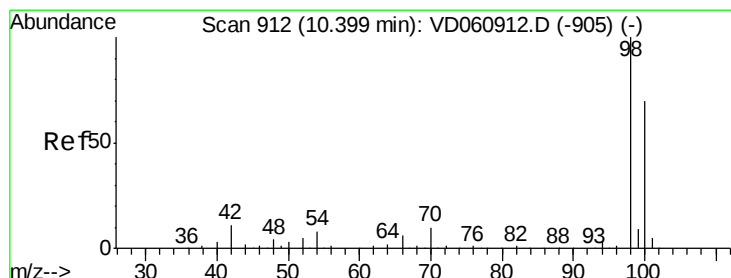
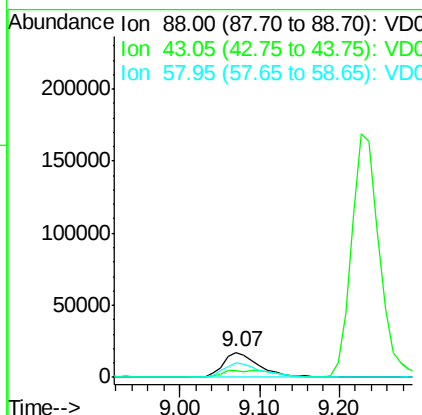
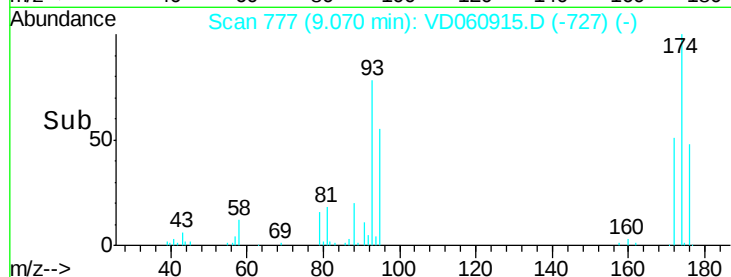
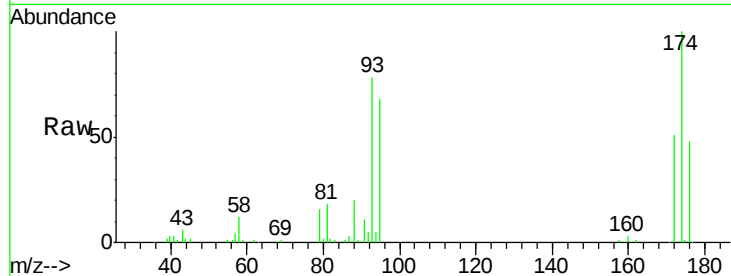




#49
1,4-Dioxane
Concen: 1020.329 ug/l
RT: 9.07 min Scan# 777
Delta R.T. -0.01 min
Lab File: VD060915.D
Acq: 1 Mar 2019 18:27

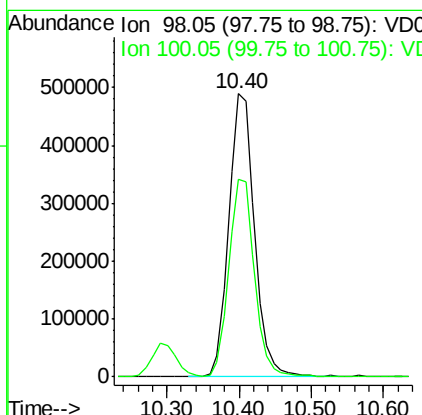
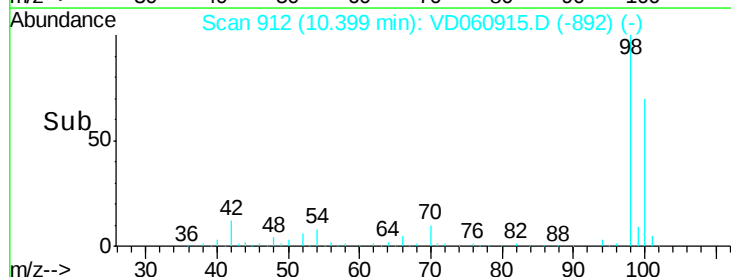
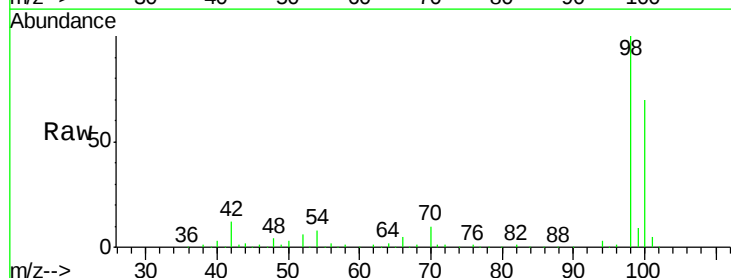
Instrument :
MSVOA_D
ClientSampleId :
ICVVD030119

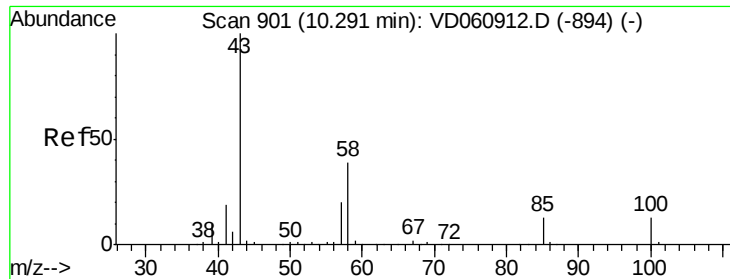
Tot Ion: 88 Resp: 53775
Ion Ratio Lower Upper
88 100
43 28.3 20.3 30.5
58 60.3 40.6 61.0



#50
Toluene-d8
Concen: 1020.329 ug/l
RT: 10.40 min Scan# 912
Delta R.T. -0.01 min
Lab File: VD060915.D
Acq: 1 Mar 2019 18:27

Tgt Ion: 98 Resp: 1212171
Ion Ratio Lower Upper
98 100
100 69.9 55.3 82.9





#51

4-Methyl-2-Pentanone

Concen: 216.372 ug/l

RT: 10.29 min Scan# 901

Delta R.T. 0.00 min

Lab File: VD060915.D

Acq: 1 Mar 2019 18:27

Instrument :

MSVOA_D

ClientSampleId :

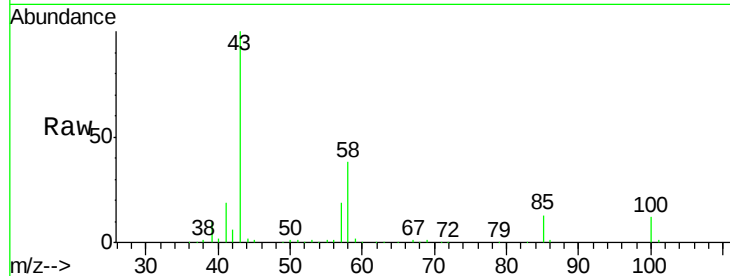
ICVVD030119

Tot Ion: 43 Resp: 1166361

Ion Ratio Lower Upper

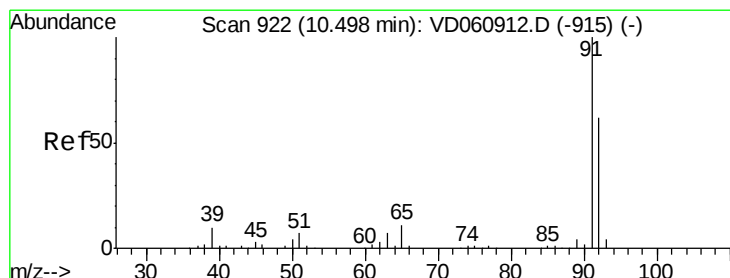
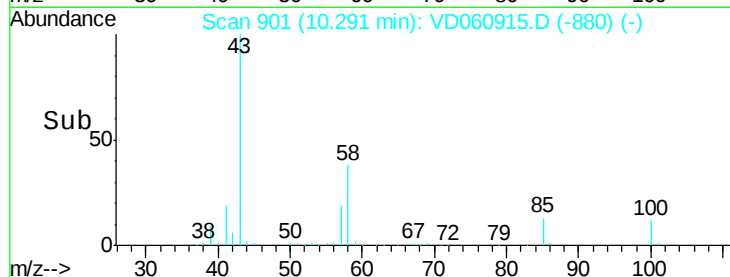
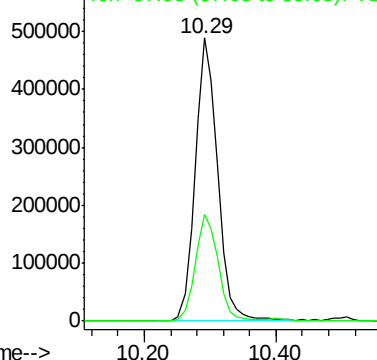
43 100

58 37.8 26.8 40.2



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#52

Toluene

Concen: 46.761 ug/l

RT: 10.50 min Scan# 922

Delta R.T. 0.00 min

Lab File: VD060915.D

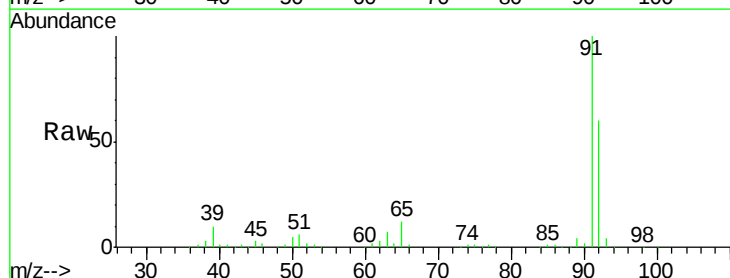
Acq: 1 Mar 2019 18:27

Tgt Ion: 92 Resp: 883209

Ion Ratio Lower Upper

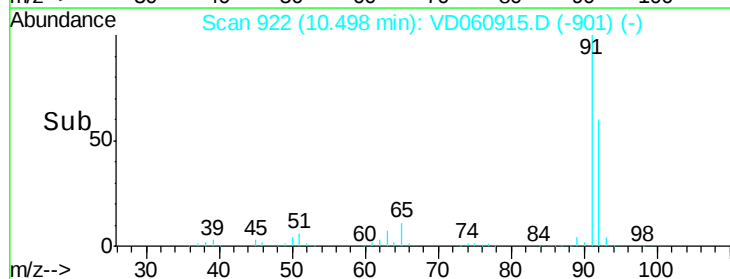
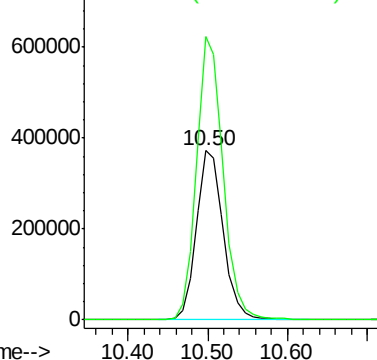
92 100

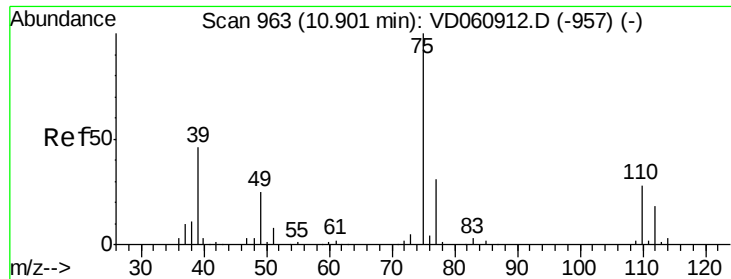
91 167.6 132.1 198.1



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC





#53

t-1,3-Dichloropropene

Concen: 42.012 ug/l

RT: 10.90 min Scan# 963

Delta R.T. -0.01 min

Lab File: VD060915.D

Acq: 1 Mar 2019 18:27

Instrument :

MSVOA_D

ClientSampleId :

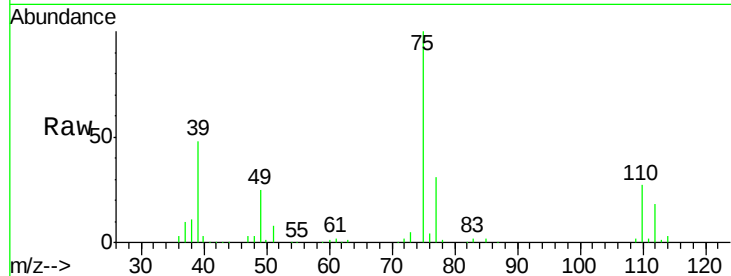
ICVVD030119

Tot Ion: 75 Resp: 503439

Ion Ratio Lower Upper

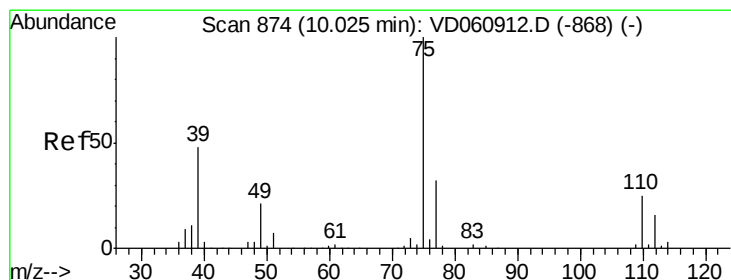
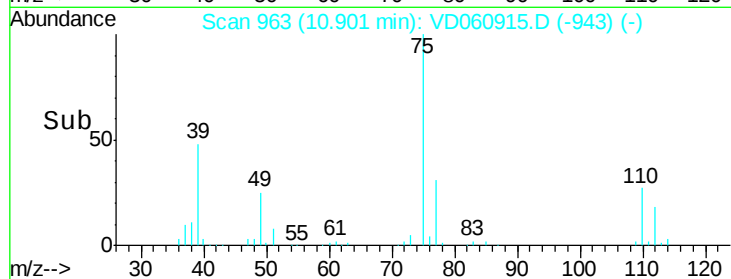
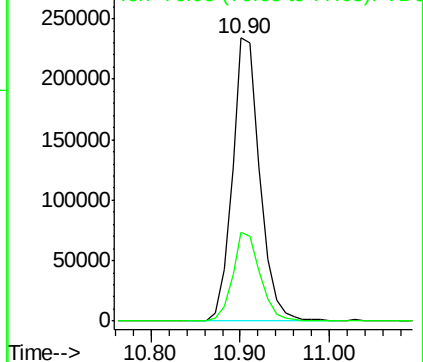
75 100

77 31.3 25.4 38.2



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC



#54

cis-1,3-Dichloropropene

Concen: 44.240 ug/l

RT: 10.04 min Scan# 875

Delta R.T. 0.00 min

Lab File: VD060915.D

Acq: 1 Mar 2019 18:27

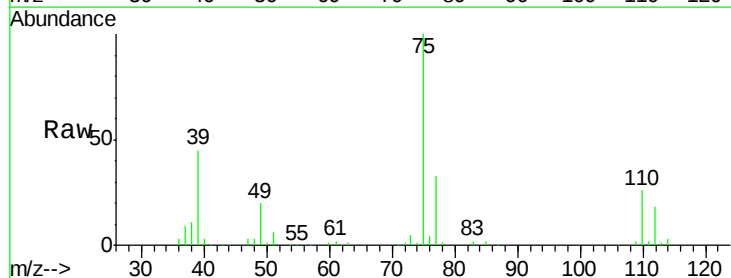
Tgt Ion: 75 Resp: 610778

Ion Ratio Lower Upper

75 100

77 33.0 26.1 39.1

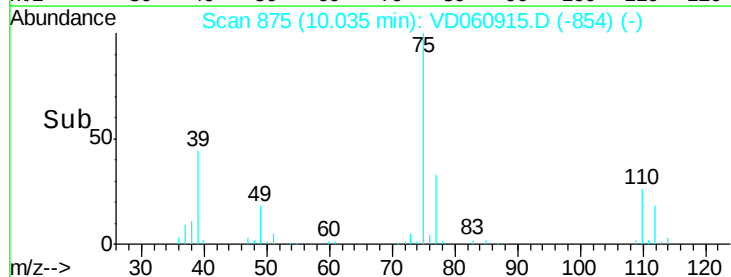
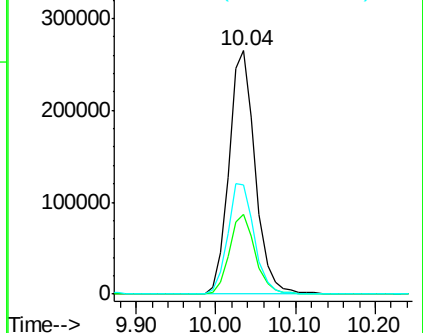
39 45.1 36.6 54.8

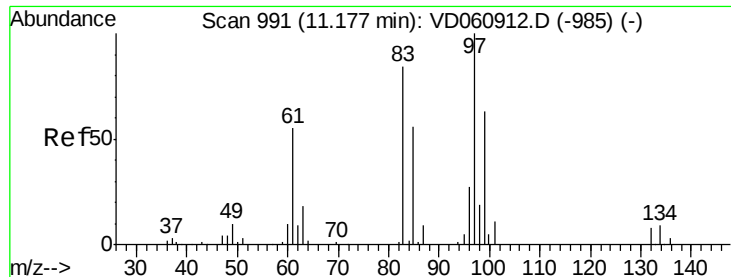


Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

Ion 38.95 (38.65 to 39.65): VDC

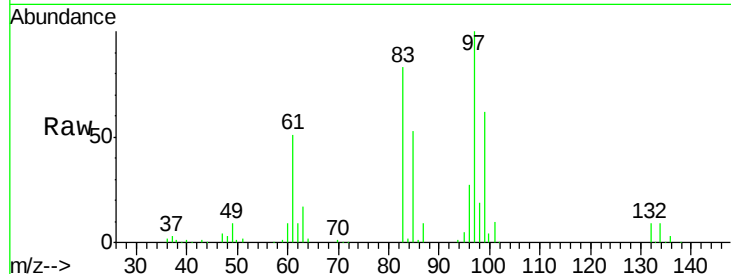




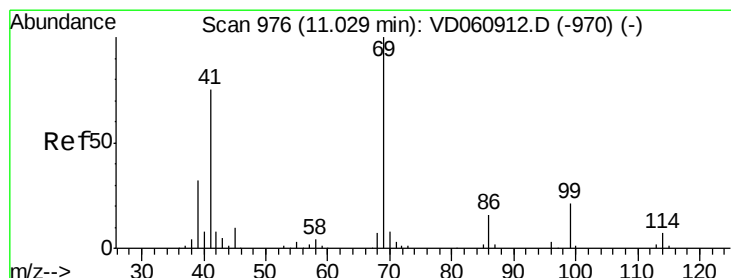
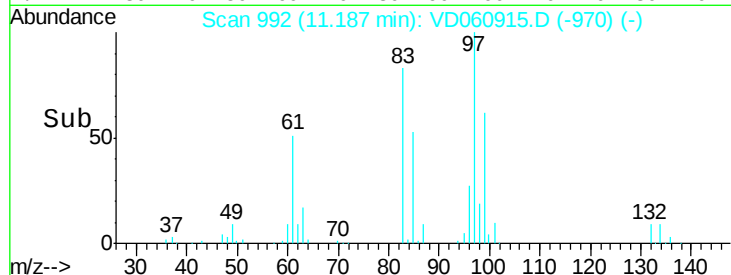
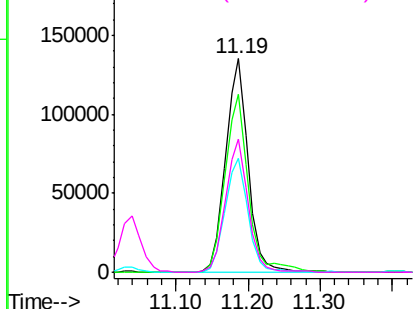
#55
 1,1,2-Trichloroethane
 Concen: 45.145 ug/l
 RT: 11.19 min Scan# 992
 Delta R.T. 0.01 min
 Lab File: VD060915.D
 Acq: 1 Mar 2019 18:27

Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD030119

Tot Ion: 97 Resp: 292490
 Ion Ratio Lower Upper
 97 100
 83 83.0 73.0 109.6
 85 53.5 47.6 71.4
 99 62.3 47.9 71.9

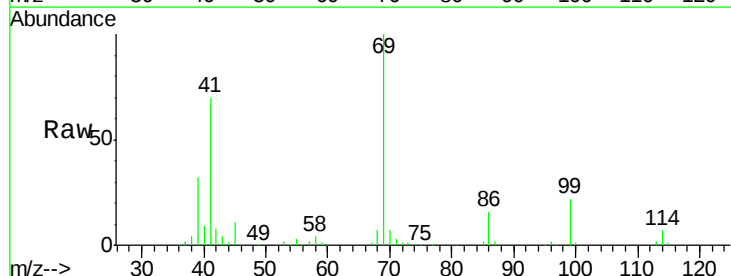


Abundance Ion 96.85 (96.55 to 97.55): VDC
 Ion 82.95 (82.65 to 83.65): VDC
 Ion 84.95 (84.65 to 85.65): VDC
 Ion 98.85 (98.55 to 99.55): VDC

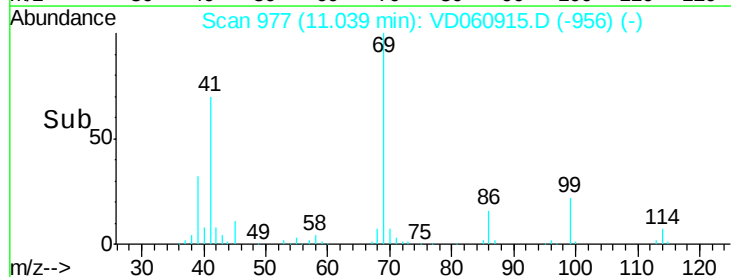
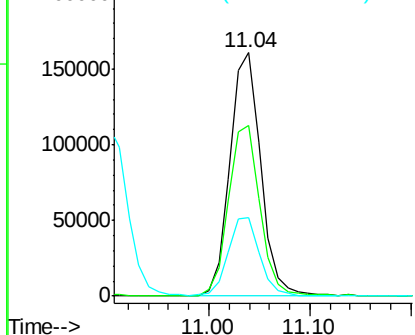


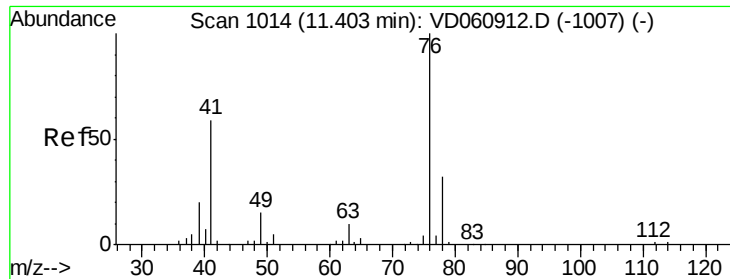
#56
 Ethyl methacrylate
 Concen: 46.334 ug/l
 RT: 11.04 min Scan# 977
 Delta R.T. 0.00 min
 Lab File: VD060915.D
 Acq: 1 Mar 2019 18:27

Tgt Ion: 69 Resp: 341615
 Ion Ratio Lower Upper
 69 100
 41 70.2 58.2 87.2
 39 32.2 30.8 46.2



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

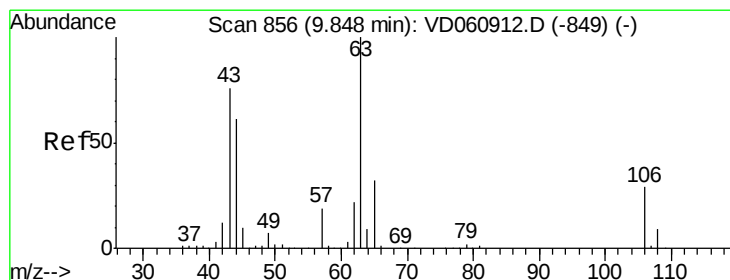
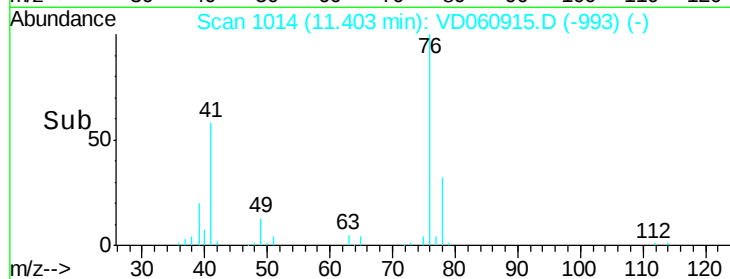
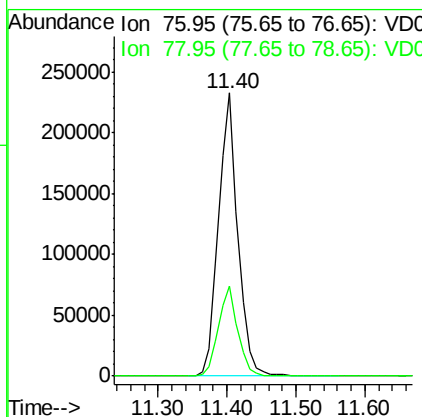
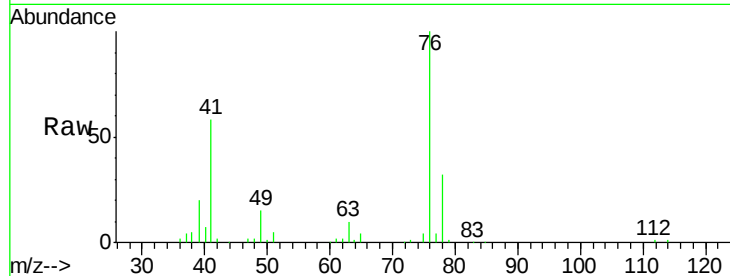




#57
 1,3-Dichloropropane
 Concen: 42.435 ug/l
 RT: 11.40 min Scan# 1014
 Delta R.T. 0.00 min
 Lab File: VD060915.D
 Acq: 1 Mar 2019 18:27

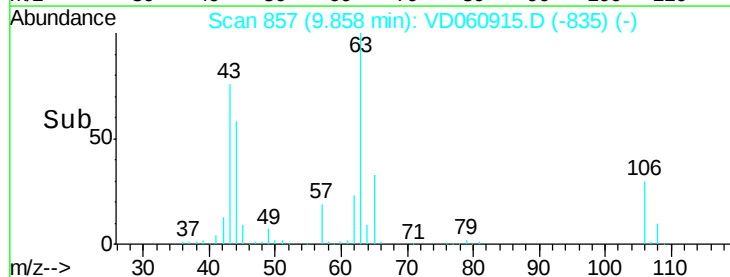
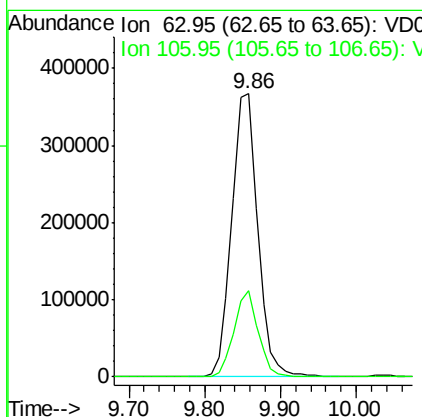
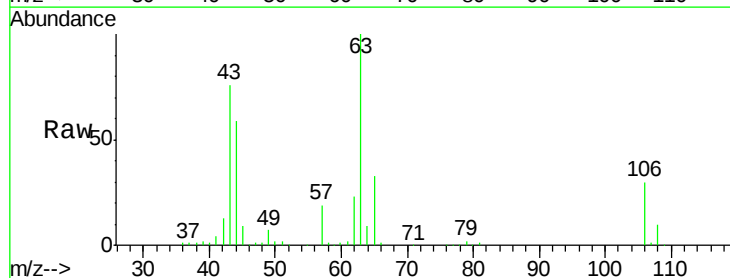
Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD030119

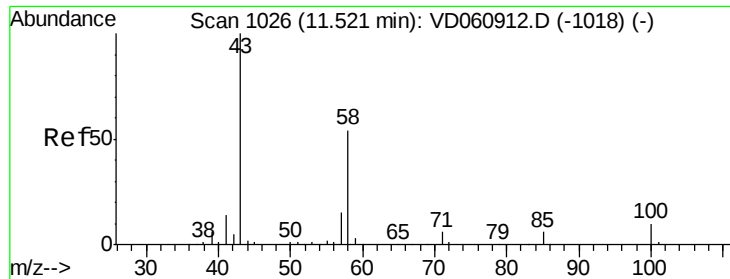
Tot Ion: 76 Resp: 452798
 Ion Ratio Lower Upper
 76 100
 78 31.8 25.2 37.8



#58
 2-Chloroethyl Vinyl ether
 Concen: 246.656 ug/l
 RT: 9.86 min Scan# 857
 Delta R.T. 0.01 min
 Lab File: VD060915.D
 Acq: 1 Mar 2019 18:27

Tgt Ion: 63 Resp: 871308
 Ion Ratio Lower Upper
 63 100
 106 30.3 23.0 34.4

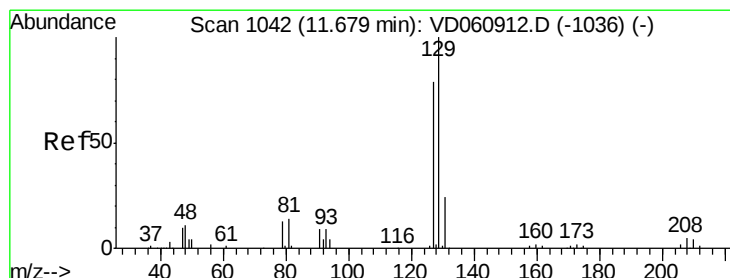
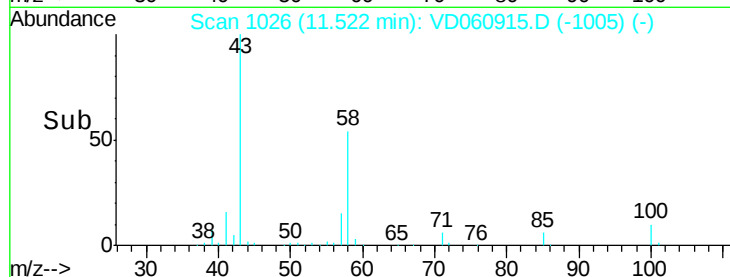
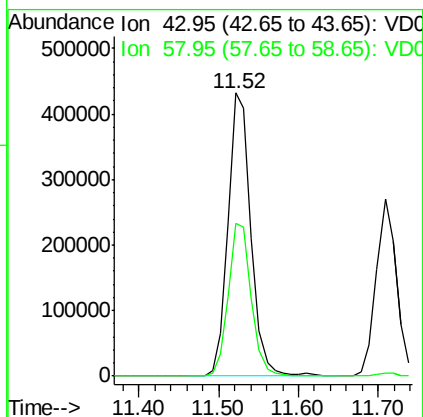
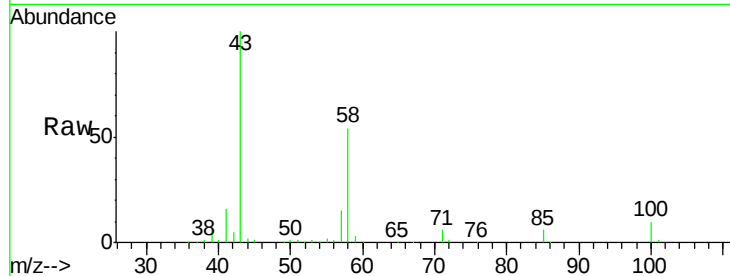




#59
2-Hexanone
Concen: 211.245 ug/l
RT: 11.52 min Scan# 1026
Delta R.T. 0.00 min
Lab File: VD060915.D
Acq: 1 Mar 2019 18:27

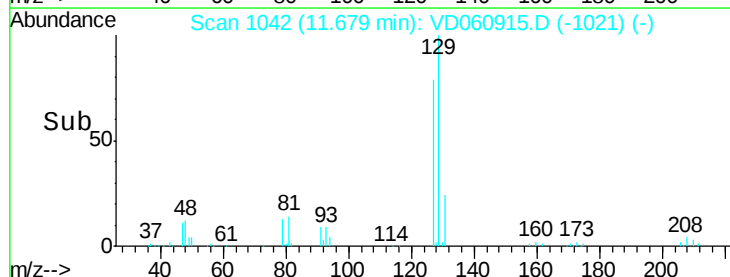
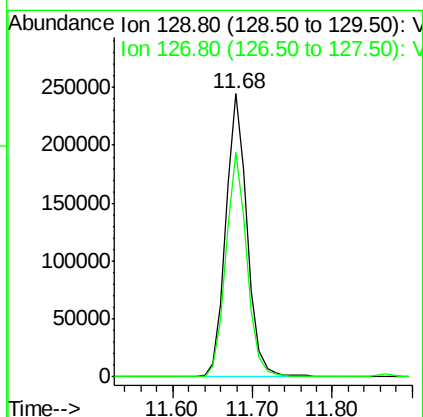
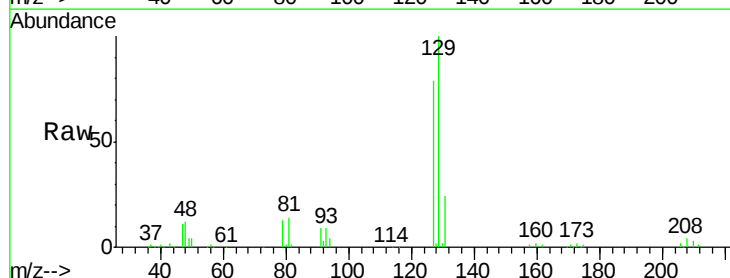
Instrument :
MSVOA_D
ClientSampleId :
ICVVD030119

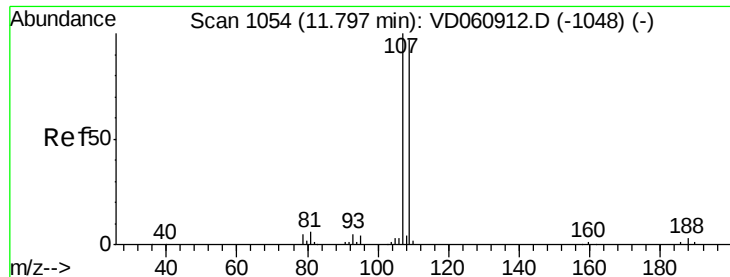
Tot Ion: 43 Resp: 874248
Ion Ratio Lower Upper
43 100
58 54.0 25.4 76.2



#60
Dibromochloromethane
Concen: 49.539 ug/l
RT: 11.68 min Scan# 1042
Delta R.T. 0.00 min
Lab File: VD060915.D
Acq: 1 Mar 2019 18:27

Tgt Ion:129 Resp: 461208
Ion Ratio Lower Upper
129 100
127 79.5 38.5 115.3

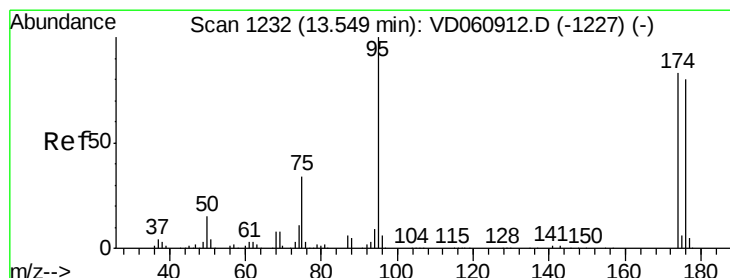
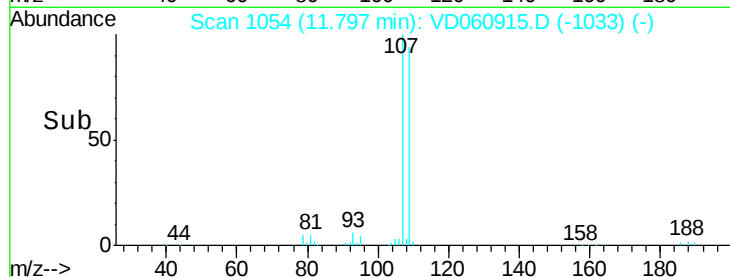
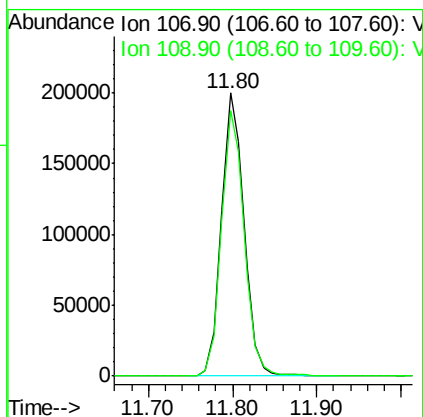
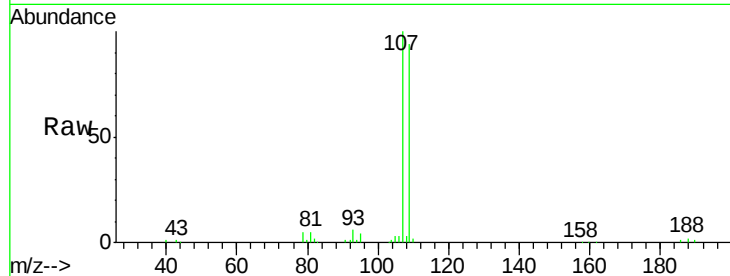




#61
1,2-Dibromoethane
Concen: 50.824 ug/l
RT: 11.80 min Scan# 1054
Delta R.T. 0.00 min
Lab File: VD060915.D
Acq: 1 Mar 2019 18:27

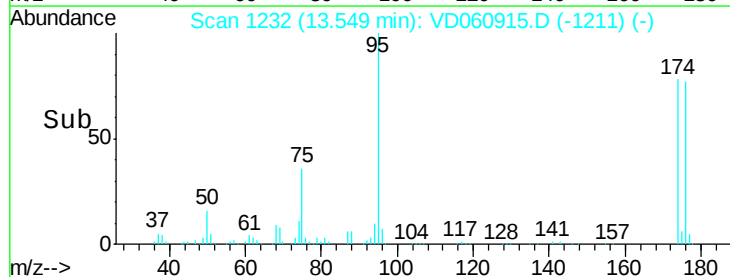
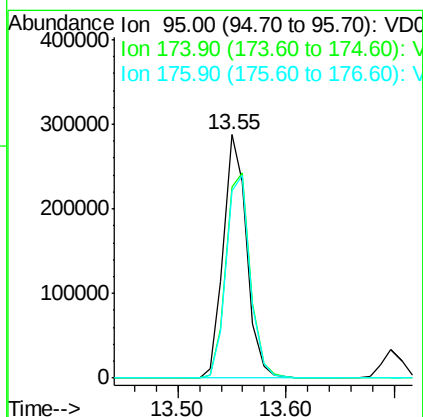
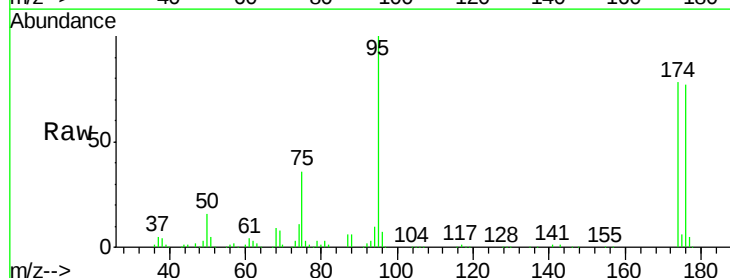
Instrument :
MSVOA_D
ClientSampleId :
ICVVD030119

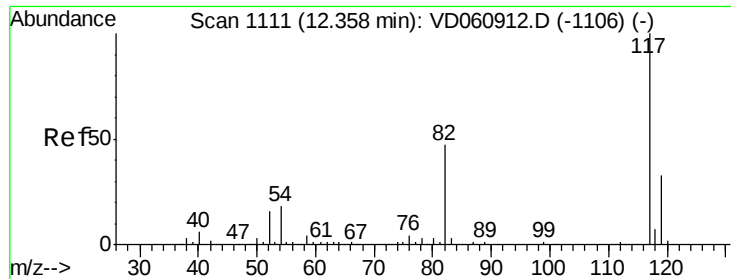
Tot Ion:107 Resp: 372755
Ion Ratio Lower Upper
107 100
109 93.8 75.0 112.6



#62
4-Bromofluorobenzene
Concen: 50.824 ug/l
RT: 13.55 min Scan# 1232
Delta R.T. 0.00 min
Lab File: VD060915.D
Acq: 1 Mar 2019 18:27

Tgt Ion: 95 Resp: 430431
Ion Ratio Lower Upper
95 100
174 78.4 0.0 207.2
176 77.2 0.0 198.4

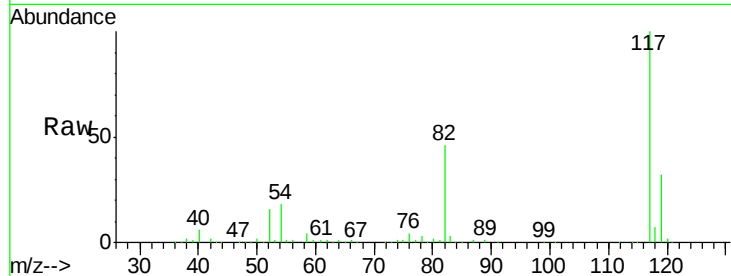




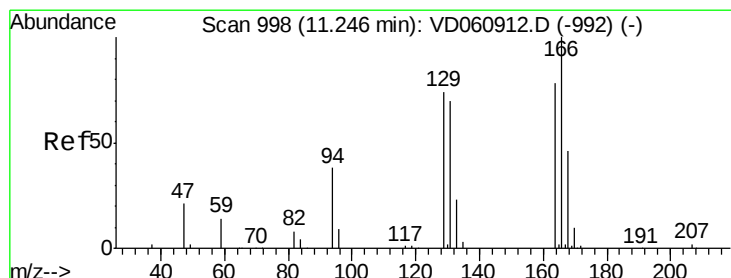
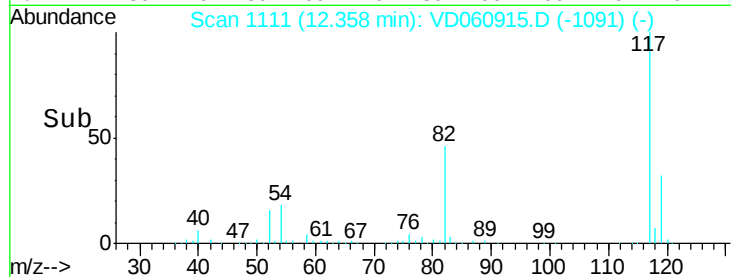
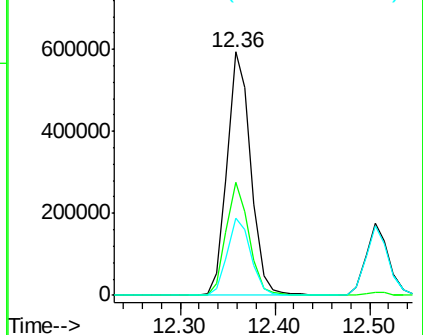
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.36 min Scan# 1111
Delta R.T. -0.01 min
Lab File: VD060915.D
Acq: 1 Mar 2019 18:27

Instrument :
MSVOA_D
ClientSampleId :
ICVVD030119

Tot Ion:117 Resp: 1029047
Ion Ratio Lower Upper
117 100
82 46.5 45.5 68.3
119 31.9 25.7 38.5

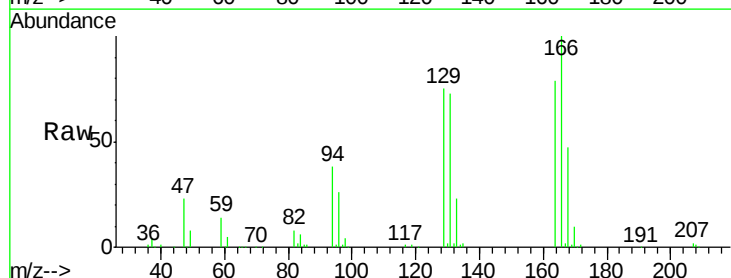


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

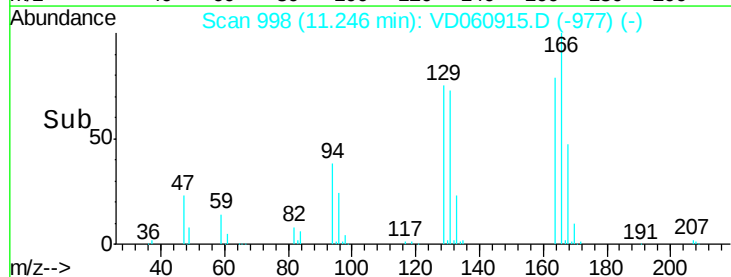
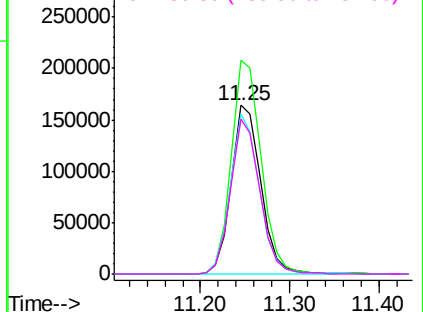


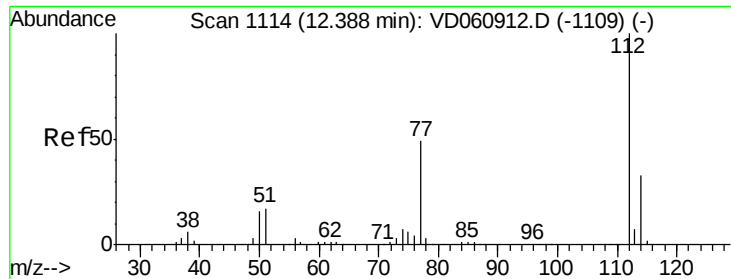
#64
Tetrachloroethene
Concen: 41.944 ug/l
RT: 11.25 min Scan# 998
Delta R.T. 0.00 min
Lab File: VD060915.D
Acq: 1 Mar 2019 18:27

Tgt Ion:164 Resp: 385665
Ion Ratio Lower Upper
164 100
166 126.4 101.9 152.9
129 94.7 63.0 94.4#
131 91.9 63.1 94.7



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

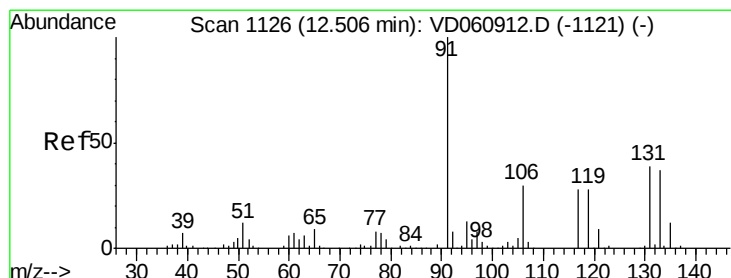
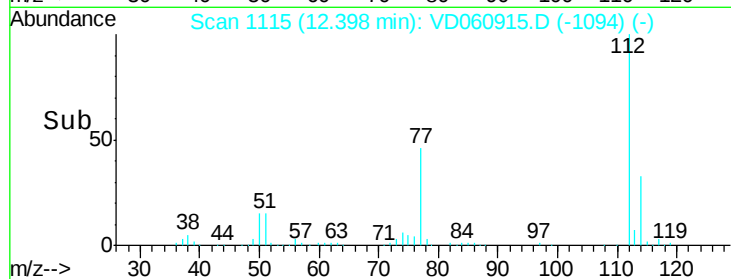
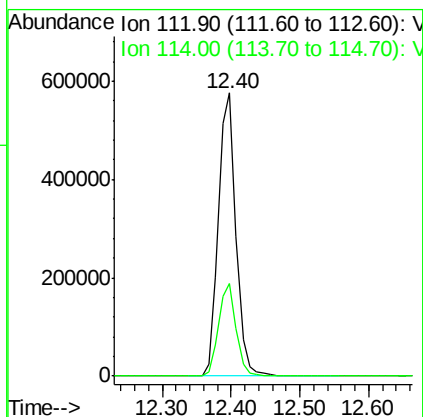
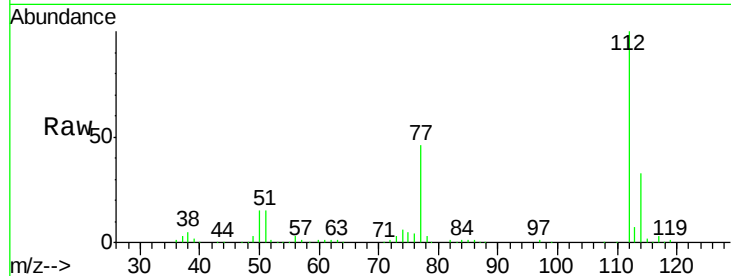




#65
Chlorobenzene
Concen: 48.610 ug/l
RT: 12.40 min Scan# 1115
Delta R.T. 0.00 min
Lab File: VD060915.D
Acq: 1 Mar 2019 18:27

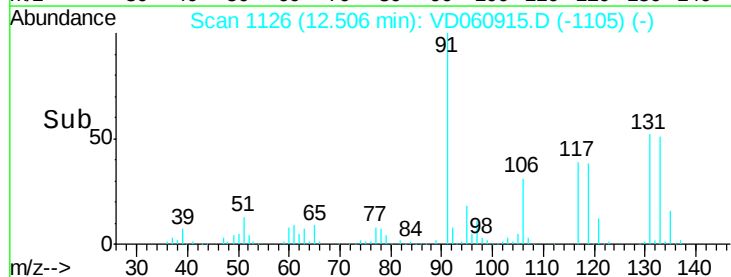
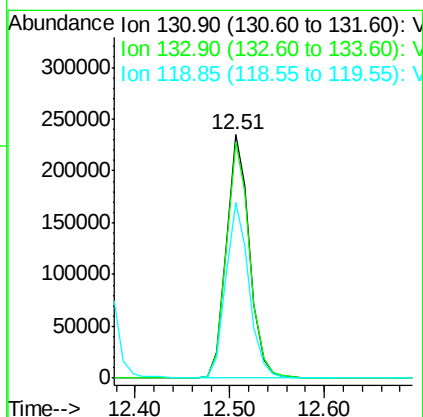
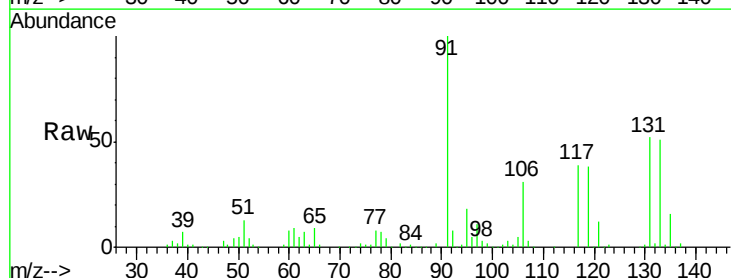
Instrument :
MSVOA_D
ClientSampleId :
ICVVD030119

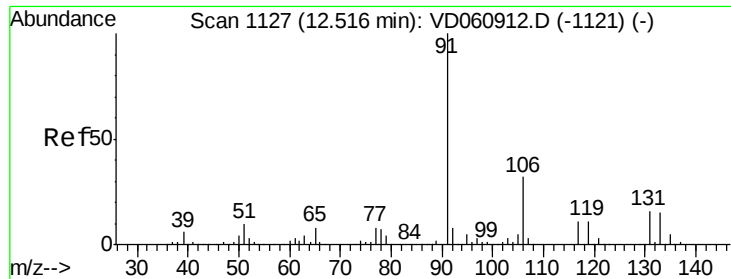
Tot Ion:112 Resp: 1013845
Ion Ratio Lower Upper
112 100
114 32.9 26.4 39.6



#66
1,1,1,2-Tetrachloroethane
Concen: 47.534 ug/l
RT: 12.51 min Scan# 1126
Delta R.T. 0.00 min
Lab File: VD060915.D
Acq: 1 Mar 2019 18:27

Tgt Ion:131 Resp: 394522
Ion Ratio Lower Upper
131 100
133 96.7 48.5 145.6
119 72.0 32.8 98.3

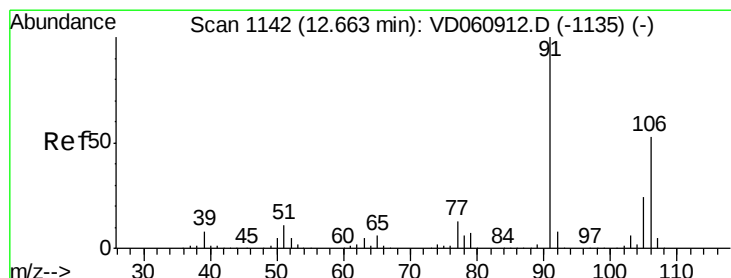
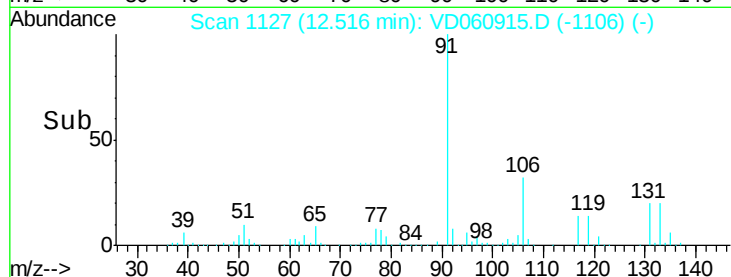
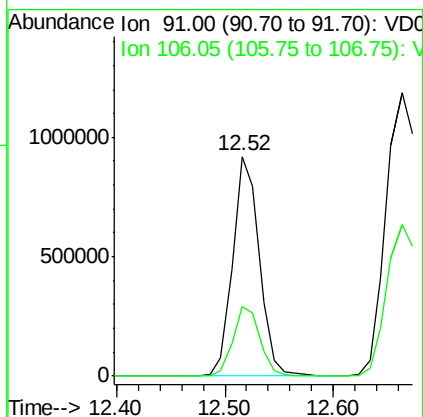
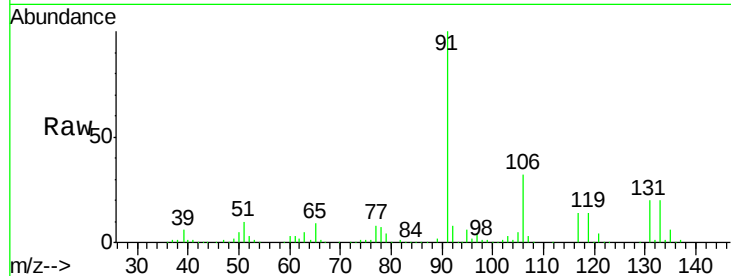




#67
Ethyl Benzene
Concen: 44.196 ug/l
RT: 12.52 min Scan# 1127
Delta R.T. 0.00 min
Lab File: VD060915.D
Acq: 1 Mar 2019 18:27

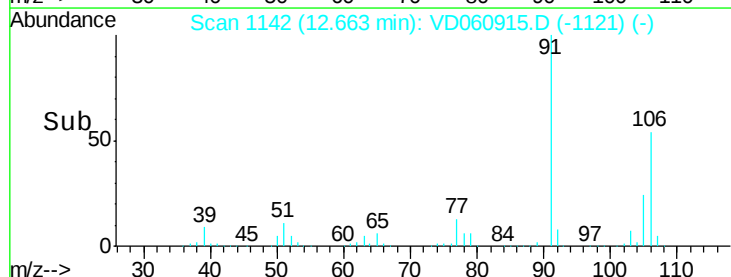
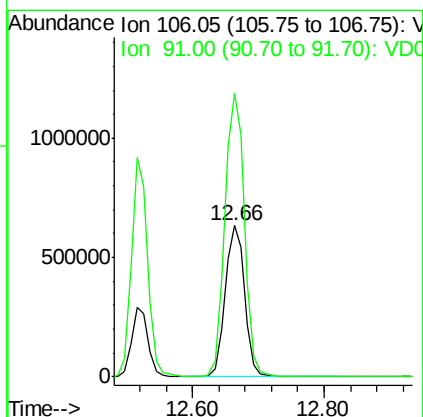
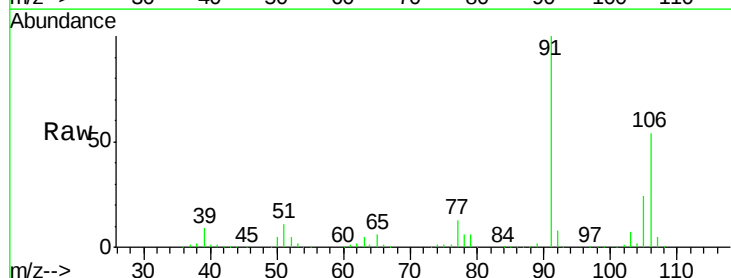
Instrument :
MSVOA_D
ClientSampleId :
ICVVD030119

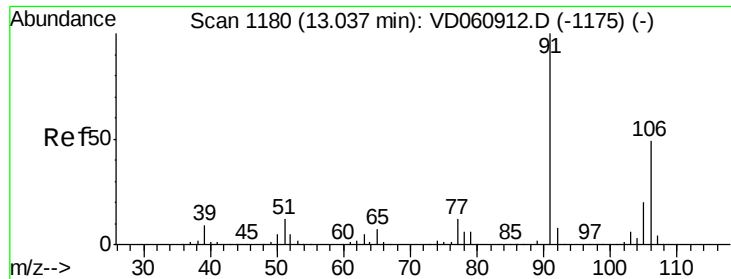
Tot Ion: 91 Resp: 1568929
Ion Ratio Lower Upper
91 100
106 31.9 22.2 33.2



#68
m/p-Xylenes
Concen: 103.909 ug/l
RT: 12.66 min Scan# 1142
Delta R.T. 0.00 min
Lab File: VD060915.D
Acq: 1 Mar 2019 18:27

Tgt Ion:106 Resp: 1303766
Ion Ratio Lower Upper
106 100
91 186.8 174.2 261.2

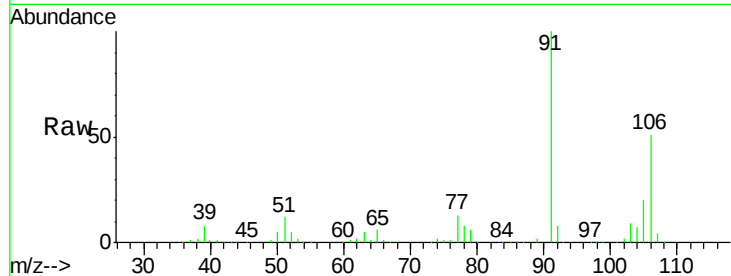




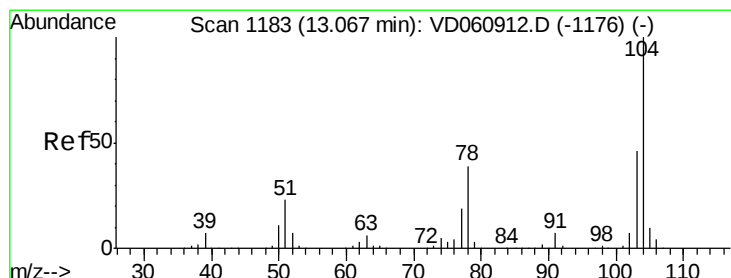
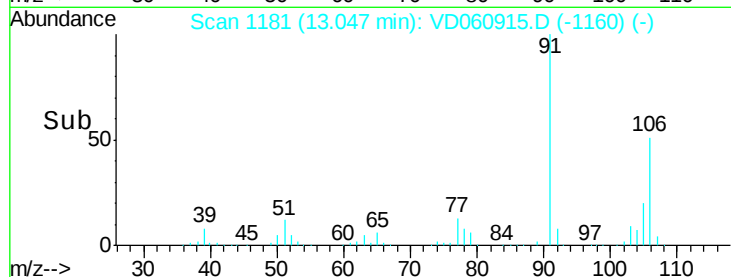
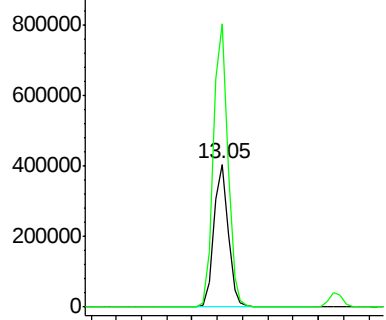
#69
o-Xylene
Concen: 52.153 ug/l
RT: 13.05 min Scan# 1181
Delta R.T. 0.00 min
Lab File: VD060915.D
Acq: 1 Mar 2019 18:27

Instrument :
MSVOA_D
ClientSampleId :
ICVVD030119

Tot Ion:106 Resp: 630240
Ion Ratio Lower Upper
106 100
91 197.6 116.9 350.7

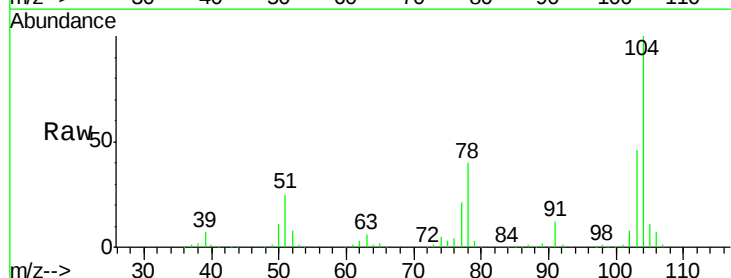


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): VDC

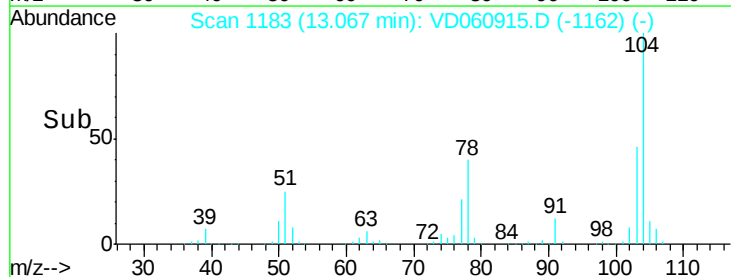
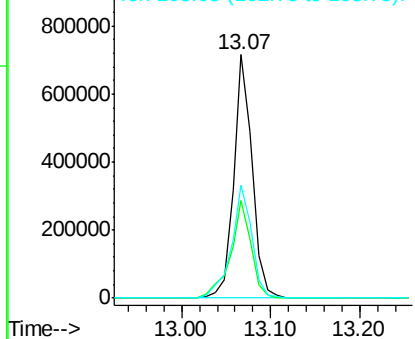


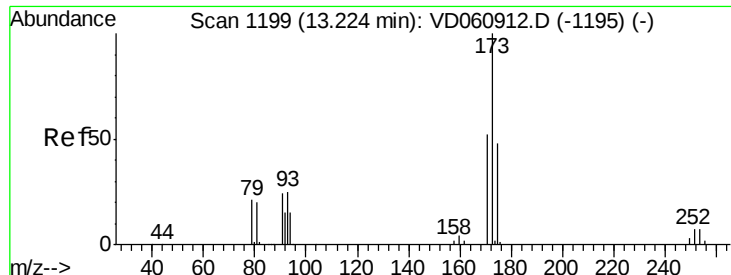
#70
Styrene
Concen: 51.260 ug/l
RT: 13.07 min Scan# 1183
Delta R.T. 0.00 min
Lab File: VD060915.D
Acq: 1 Mar 2019 18:27

Tgt Ion:104 Resp: 1041086
Ion Ratio Lower Upper
104 100
78 40.0 34.6 51.8
103 46.3 36.3 54.5



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





#71

Bromoform

Concen: 39.094 ug/l

RT: 13.23 min Scan# 1200

Delta R.T. 0.00 min

Lab File: VD060915.D

Acq: 1 Mar 2019 18:27

Instrument :

MSVOA_D

ClientSampleId :

ICVVD030119

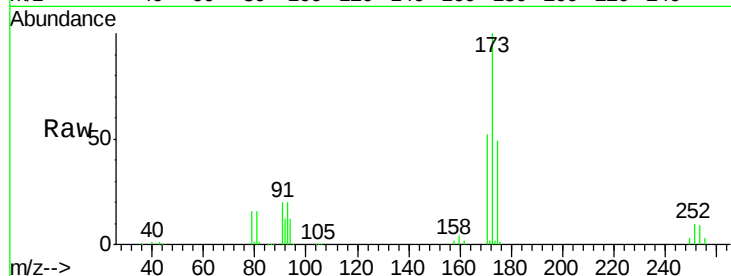
Tot Ion:173 Resp: 258033

Ion Ratio Lower Upper

173 100

175 49.5 24.6 73.8

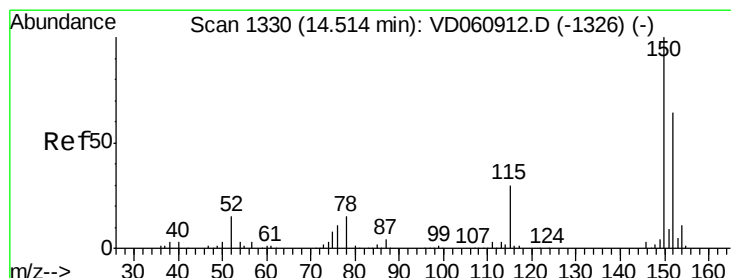
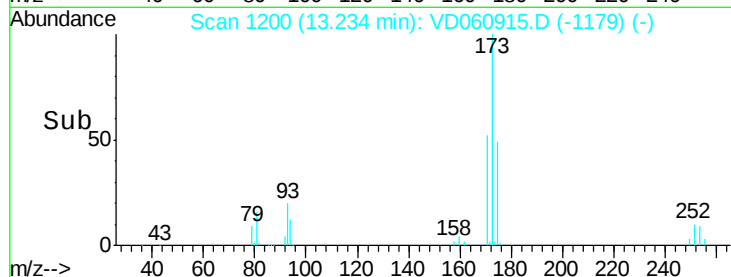
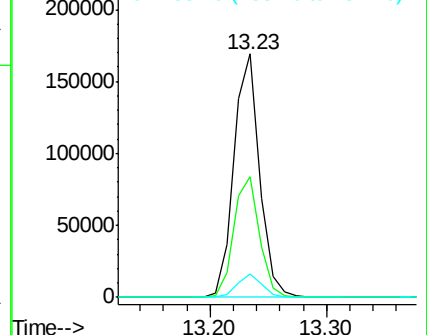
254 9.4 6.0 9.0#



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: 14.51 min Scan# 1330

Delta R.T. 0.00 min

Lab File: VD060915.D

Acq: 1 Mar 2019 18:27

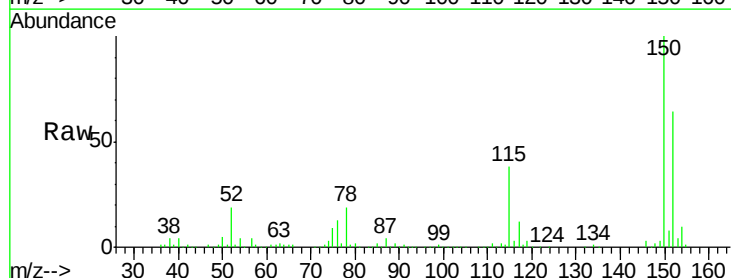
Tgt Ion:152 Resp: 483826

Ion Ratio Lower Upper

152 100

115 59.1 24.4 73.2

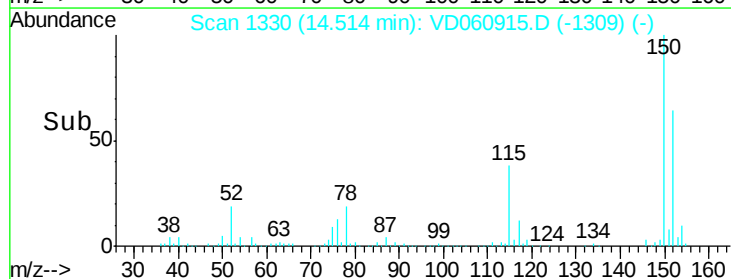
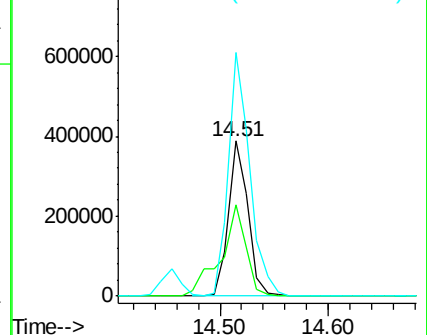
150 157.1 0.0 311.0

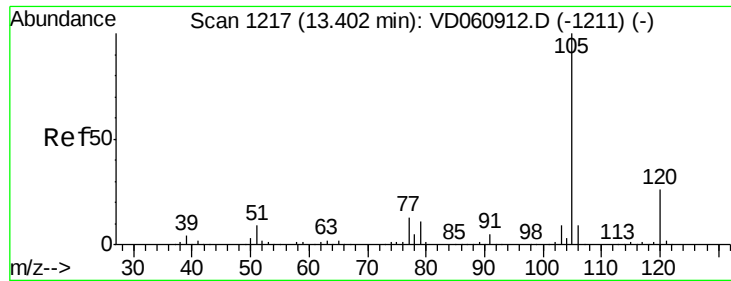


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 115.00 (114.70 to 115.70): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 59.020 ug/l

RT: 13.40 min Scan# 1217

Delta R.T. 0.00 min

Lab File: VD060915.D

Acq: 1 Mar 2019 18:27

Instrument :

MSVOA_D

ClientSampleId :

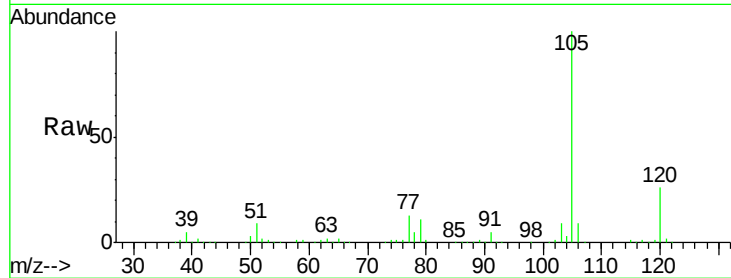
ICVVD030119

Tot Ion:105 Resp: 1670873

Ion Ratio Lower Upper

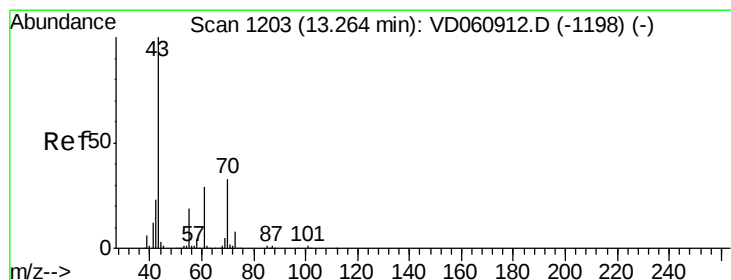
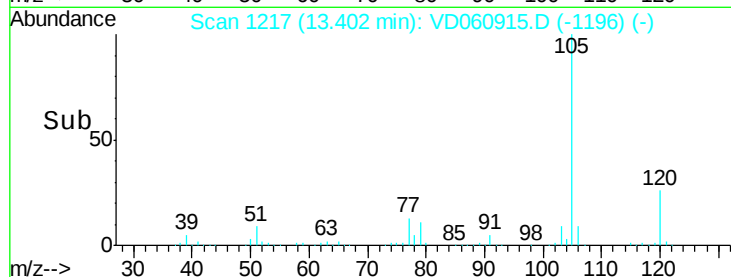
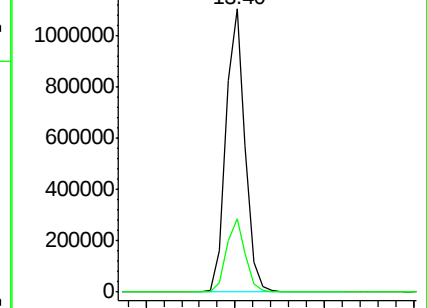
105 100

120 26.0 12.2 36.6



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#74

N-ethyl acetate

Concen: 52.589 ug/l

RT: 13.26 min Scan# 1203

Delta R.T. 0.00 min

Lab File: VD060915.D

Acq: 1 Mar 2019 18:27

Tgt Ion: 43 Resp: 514564

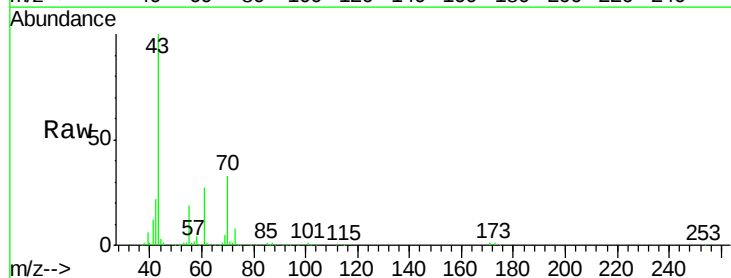
Ion Ratio Lower Upper

43 100

70 32.9 26.8 40.2

55 18.5 14.2 21.4

61 27.3 20.6 31.0

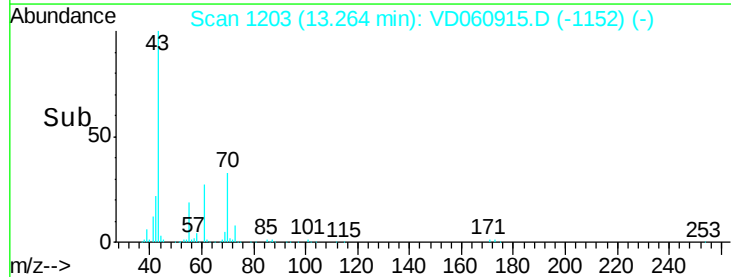
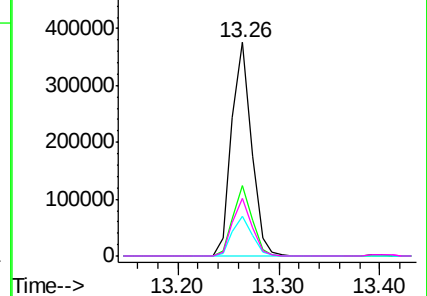


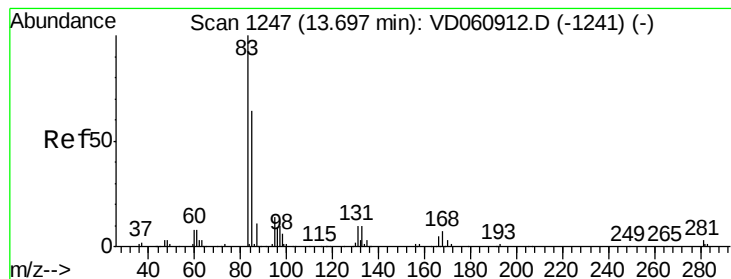
Abundance Ion 42.95 (42.65 to 43.65): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 60.95 (60.65 to 61.65): V





#75

1,1,2,2-Tetrachloroethane

Concen: 50.508 ug/l

RT: 13.70 min Scan# 1247

Delta R.T. 0.00 min

Lab File: VD060915.D

Acq: 1 Mar 2019 18:27

Instrument :

MSVOA_D

ClientSampleId :

ICVVD030119

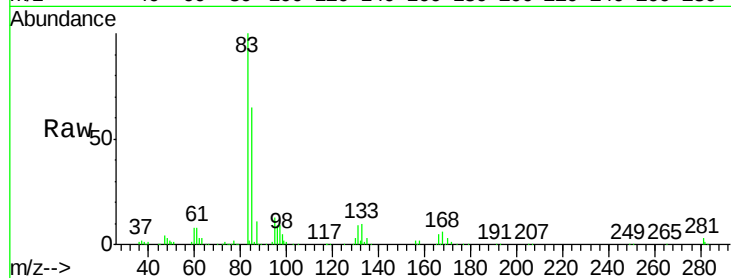
Tot Ion: 83 Resp: 352165

Ion Ratio Lower Upper

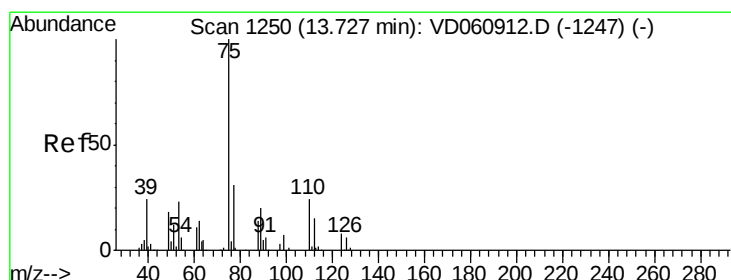
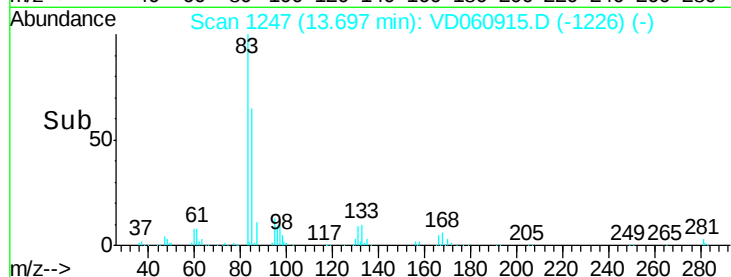
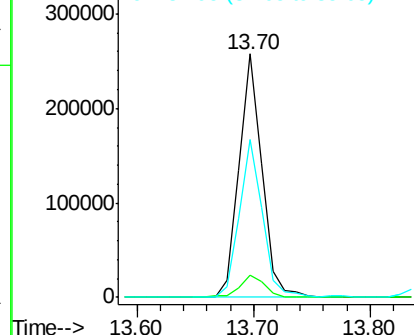
83 100

131 9.3 4.9 14.6

85 64.6 31.9 95.9



Abundance Ion 82.95 (82.65 to 83.65): VDC
Ion 130.90 (130.60 to 131.60): VDC
Ion 84.95 (84.65 to 85.65): VDC



#76

1,2,3-Trichloropropane

Concen: 50.259 ug/l

RT: 13.73 min Scan# 1250

Delta R.T. 0.00 min

Lab File: VD060915.D

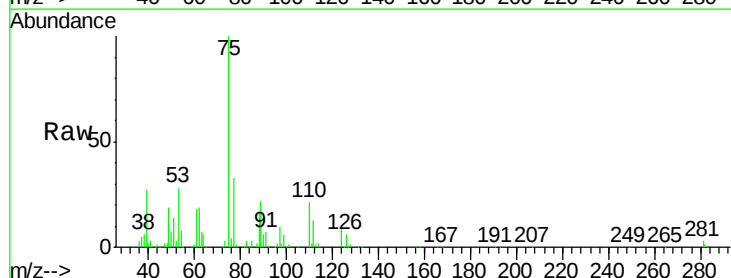
Acq: 1 Mar 2019 18:27

Tgt Ion: 75 Resp: 361826

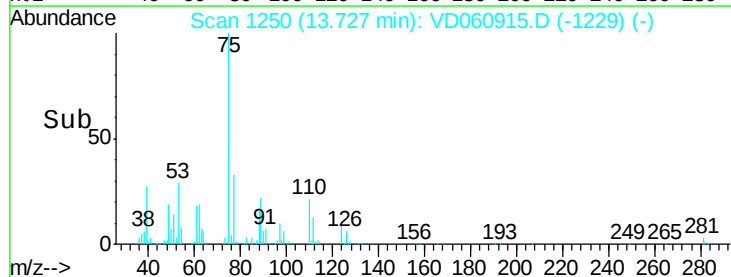
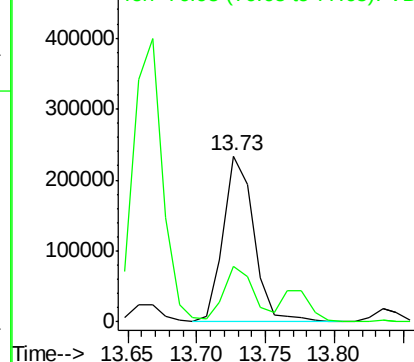
Ion Ratio Lower Upper

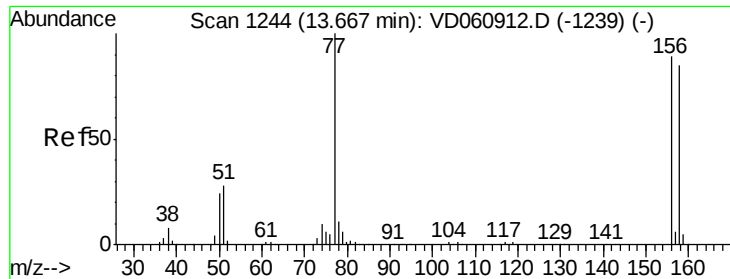
75 100

77 33.1 16.3 48.8



Abundance Ion 75.00 (74.70 to 75.70): VDC
Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 50.515 ug/l

RT: 13.67 min Scan# 1244

Delta R.T. 0.00 min

Lab File: VD060915.D

Acq: 1 Mar 2019 18:27

Instrument :

MSVOA_D

ClientSampleId :

ICVVD030119

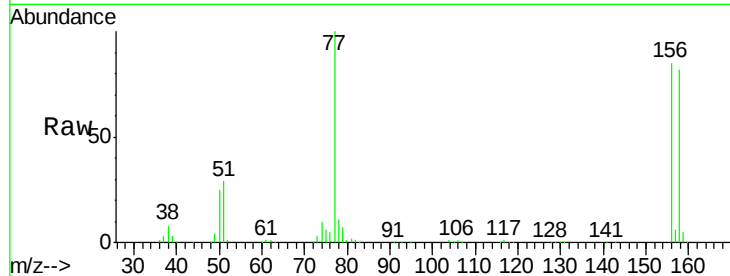
Tot Ion:156 Resp: 460266

Ion Ratio Lower Upper

156 100

77 117.2 67.4 202.2

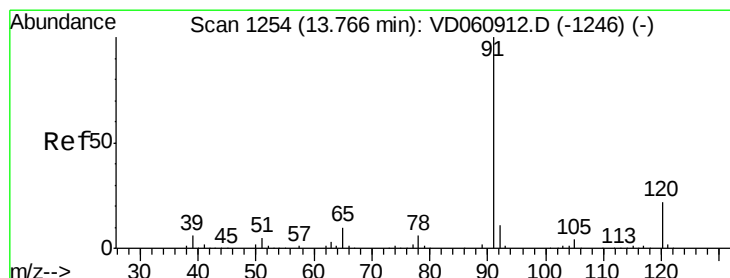
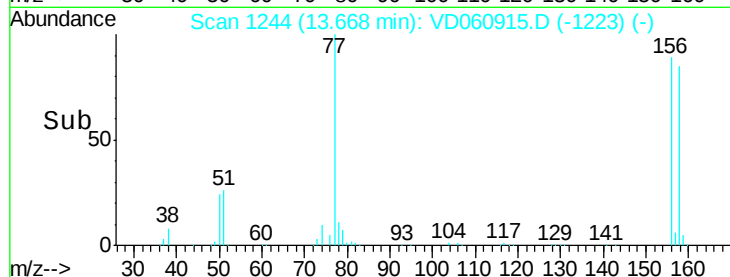
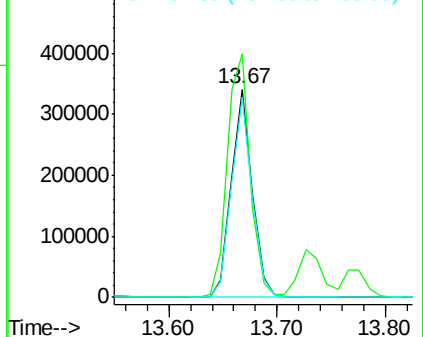
158 96.2 49.2 147.6



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: 52.947 ug/l

RT: 13.78 min Scan# 1255

Delta R.T. 0.00 min

Lab File: VD060915.D

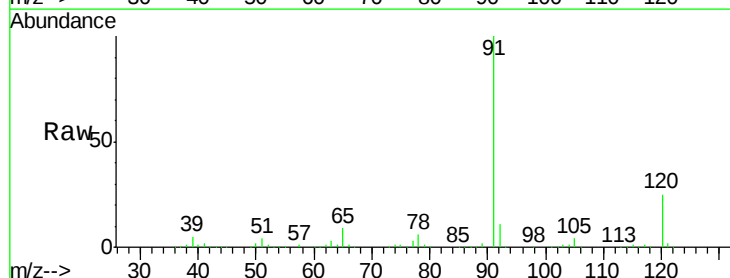
Acq: 1 Mar 2019 18:27

Tgt Ion: 91 Resp: 2000063

Ion Ratio Lower Upper

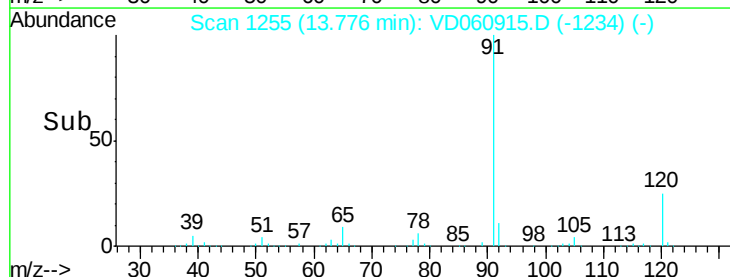
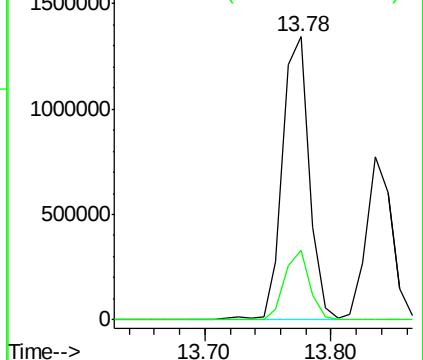
91 100

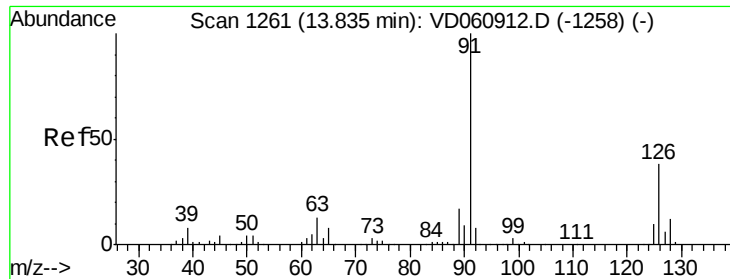
120 24.7 10.1 30.3



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V





#79

2-Chlorotoluene

Concen: 50.137 ug/l

RT: 13.83 min Scan# 1261

Delta R.T. 0.00 min

Lab File: VD060915.D

Acq: 1 Mar 2019 18:27

Instrument :

MSVOA_D

ClientSampleId :

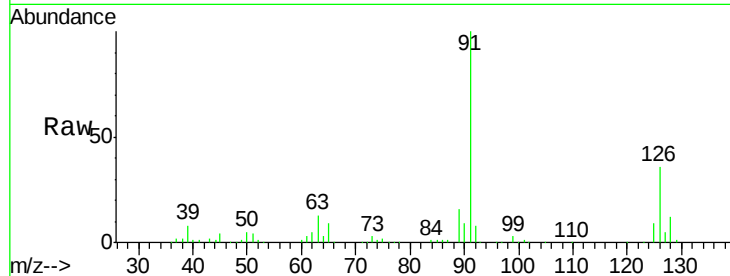
ICVVD030119

Tot Ion: 91 Resp: 1083235

Ion Ratio Lower Upper

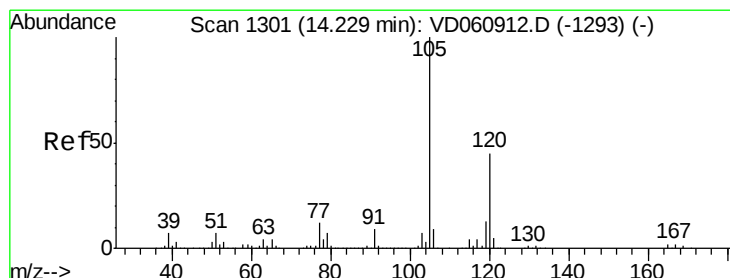
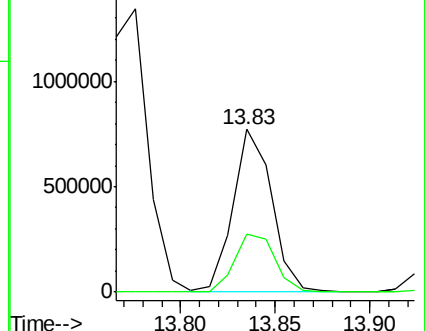
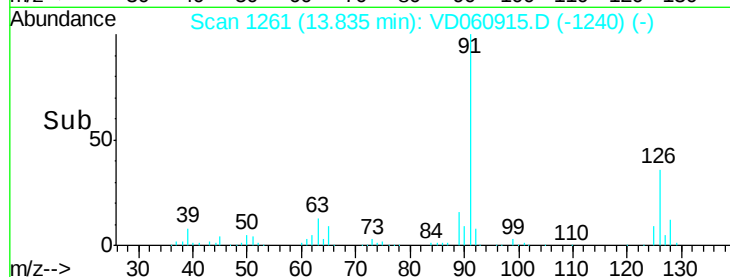
91 100

126 35.6 17.4 52.2



Abundance Ion 91.00 (90.70 to 91.70): VD060915.D (-1258) (-)

Ion 125.95 (125.65 to 126.65): VD060915.D (-1258) (-)



#80

1,3,5-Trimethylbenzene

Concen: 54.859 ug/l

RT: 14.24 min Scan# 1302

Delta R.T. 0.00 min

Lab File: VD060915.D

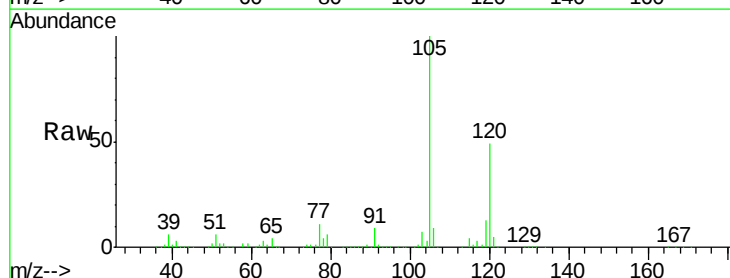
Acq: 1 Mar 2019 18:27

Tgt Ion:105 Resp: 1276396

Ion Ratio Lower Upper

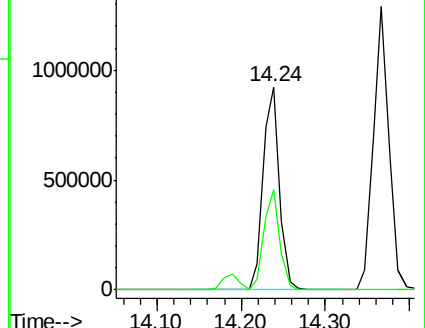
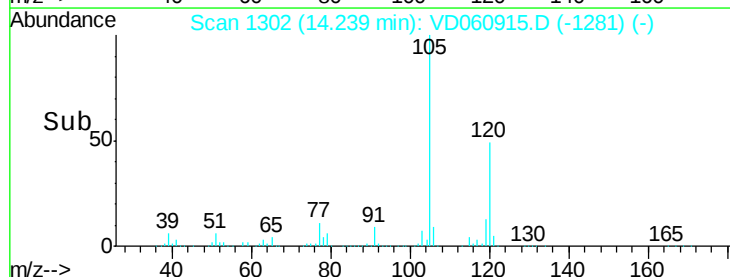
105 100

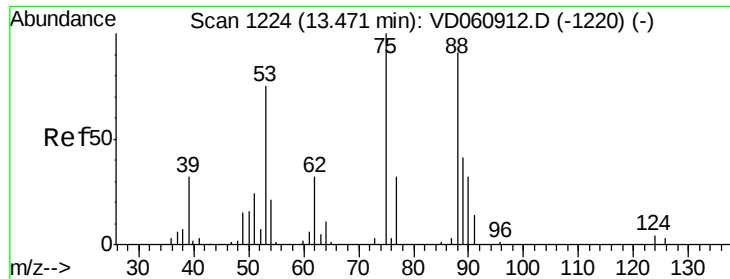
120 49.1 22.8 68.4



Abundance Ion 105.05 (104.75 to 105.75): VD060915.D (-1293) (-)

Ion 120.05 (119.75 to 120.75): VD060915.D (-1293) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 50.613 ug/l

RT: 13.47 min Scan# 1224

Delta R.T. 0.00 min

Lab File: VD060915.D

Acq: 1 Mar 2019 18:27

Instrument :

MSVOA_D

ClientSampleId :

ICVVD030119

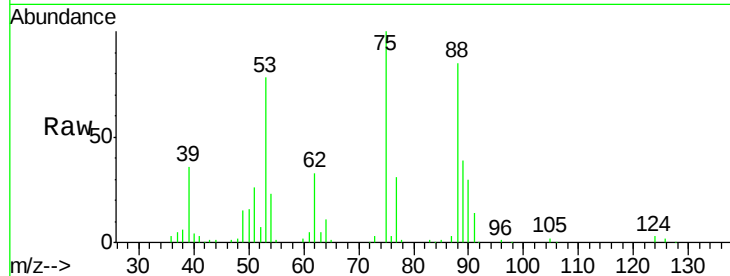
Tot Ion: 75 Resp: 116096

Ion Ratio Lower Upper

75 100

53 77.8 60.2 90.4

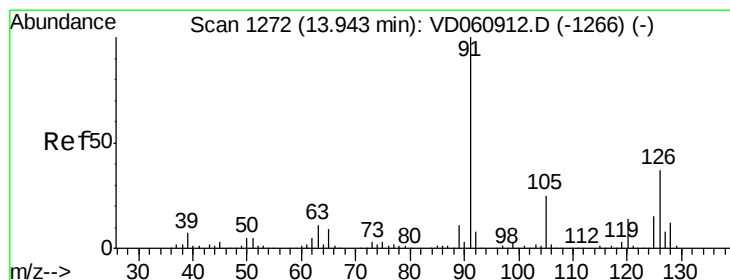
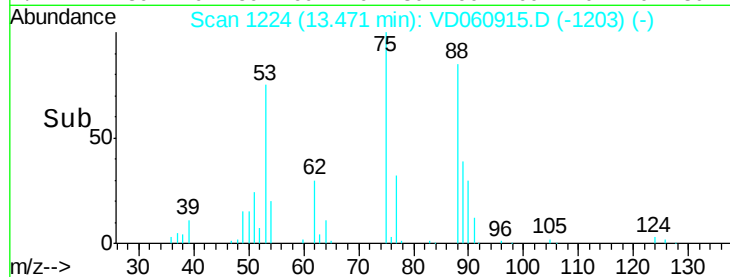
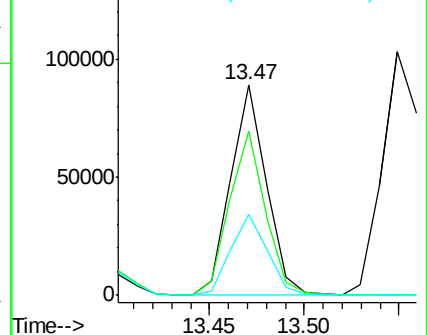
89 38.7 32.6 49.0



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: 47.864 ug/l

RT: 13.94 min Scan# 1272

Delta R.T. 0.00 min

Lab File: VD060915.D

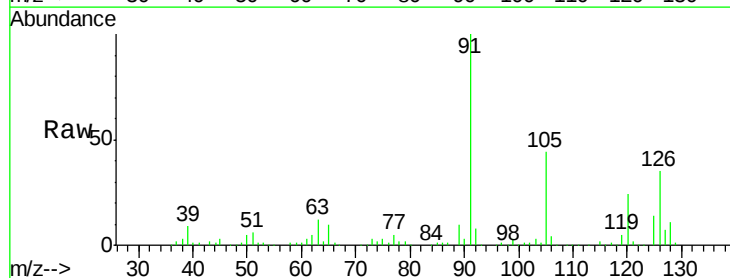
Acq: 1 Mar 2019 18:27

Tgt Ion: 91 Resp: 1134557

Ion Ratio Lower Upper

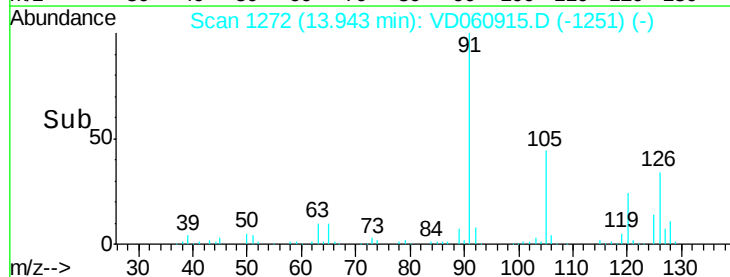
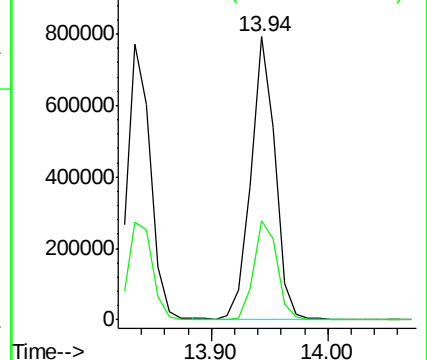
91 100

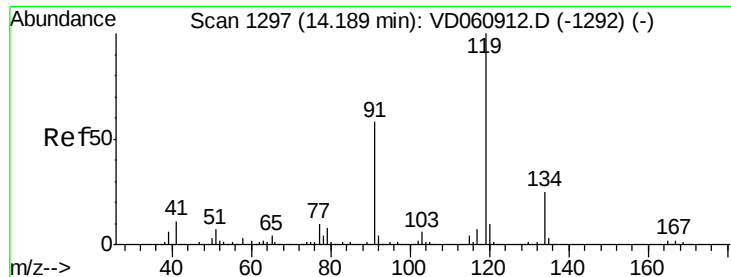
126 34.9 16.9 50.7



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.95 (125.65 to 126.65): V





#83

tert-Butylbenzene

Concen: 54.703 ug/l

RT: 14.19 min Scan# 1297

Delta R.T. 0.00 min

Lab File: VD060915.D

Acq: 1 Mar 2019 18:27

Instrument :

MSVOA_D

ClientSampleId :

ICVVD030119

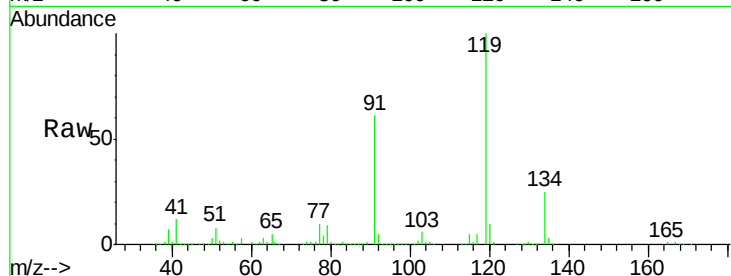
Tot Ion:119 Resp: 1469775

Ion Ratio Lower Upper

119 100

91 61.4 34.2 102.5

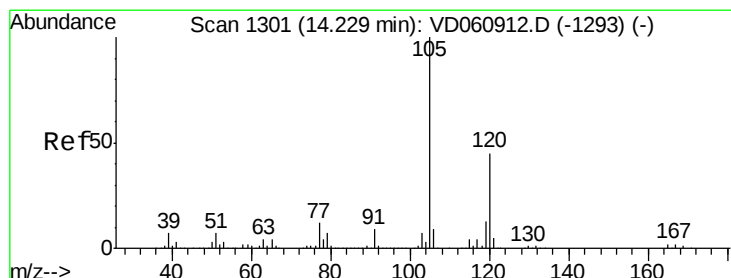
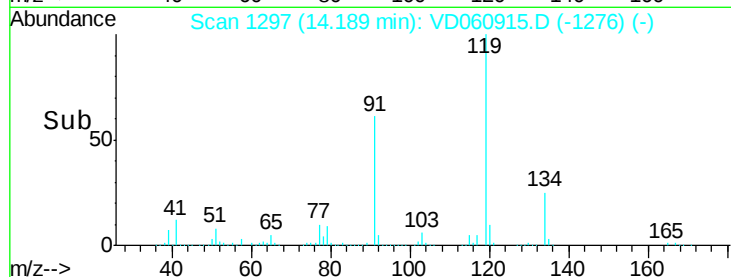
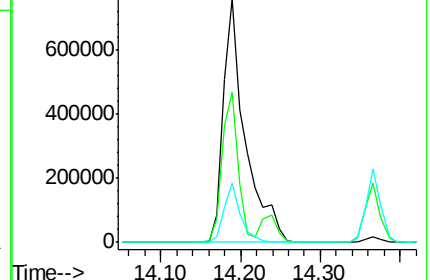
134 24.6 12.9 38.7



Abundance Ion 119.05 (118.75 to 119.75): V

Ion 91.00 (90.70 to 91.70): VD

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 54.859 ug/l

RT: 14.24 min Scan# 1302

Delta R.T. 0.00 min

Lab File: VD060915.D

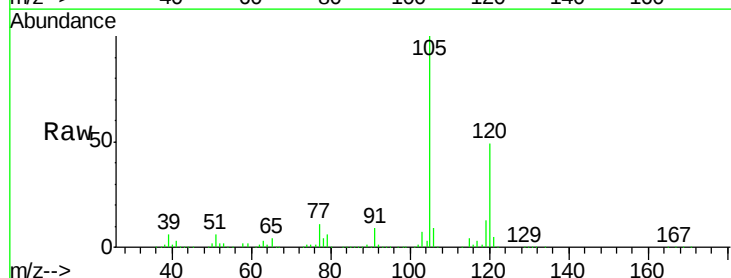
Acq: 1 Mar 2019 18:27

Tgt Ion:105 Resp: 1276396

Ion Ratio Lower Upper

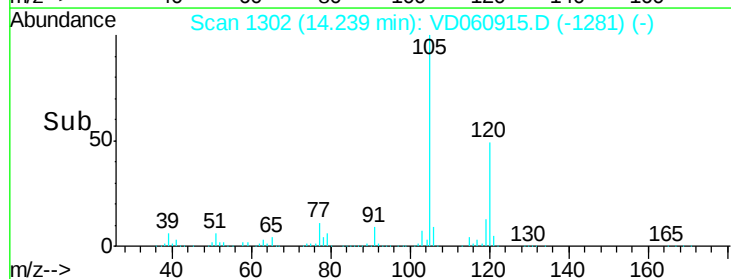
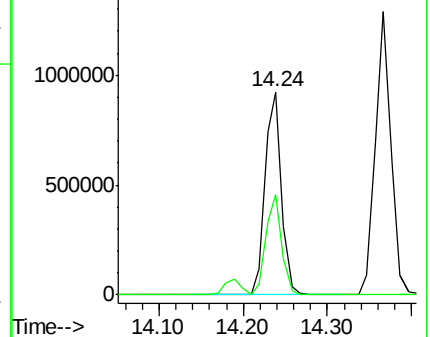
105 100

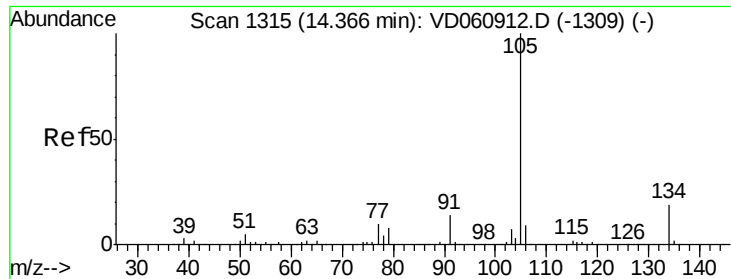
120 49.1 22.8 68.4



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V





#85

sec-Butylbenzene

Concen: 54.650 ug/l

RT: 14.37 min Scan# 1315

Delta R.T. 0.00 min

Lab File: VD060915.D

Acq: 1 Mar 2019 18:27

Instrument :

MSVOA_D

ClientSampleId :

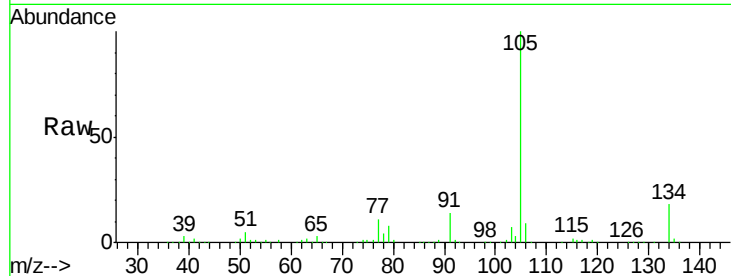
ICVVD030119

Tot Ion:105 Resp: 1639286

Ion Ratio Lower Upper

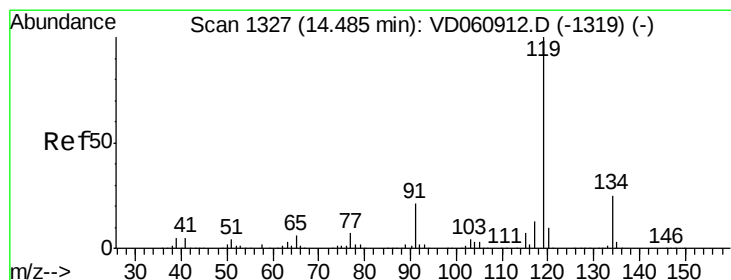
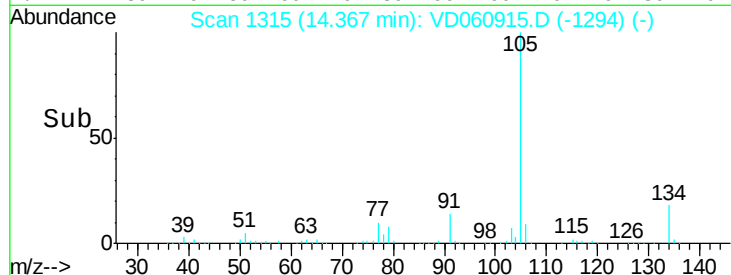
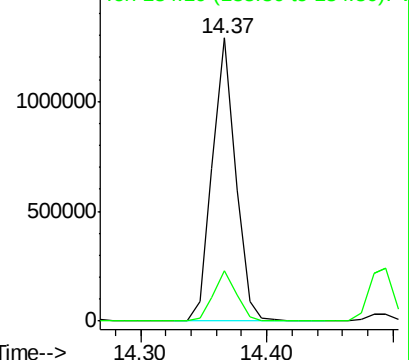
105 100

134 17.9 10.1 30.3



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 134.10 (133.80 to 134.80): V



#86

p-Isopropyltoluene

Concen: 53.243 ug/l

RT: 14.48 min Scan# 1327

Delta R.T. -0.01 min

Lab File: VD060915.D

Acq: 1 Mar 2019 18:27

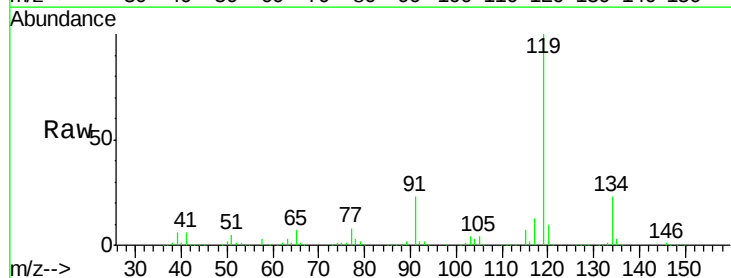
Tgt Ion:119 Resp: 1341165

Ion Ratio Lower Upper

119 100

134 23.3 12.9 38.7

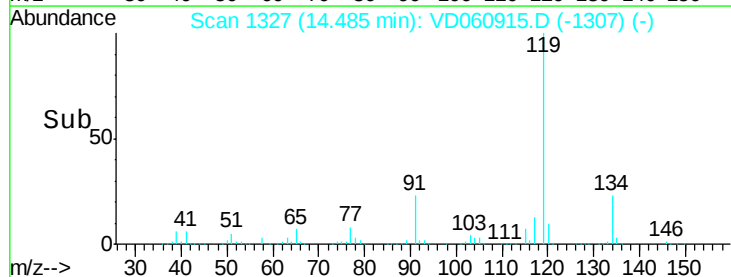
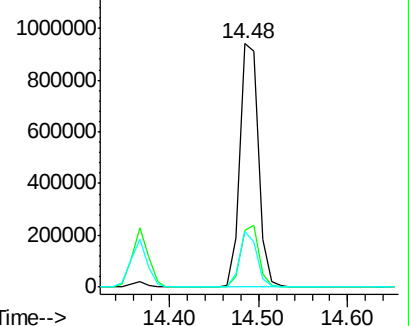
91 23.0 12.6 37.8

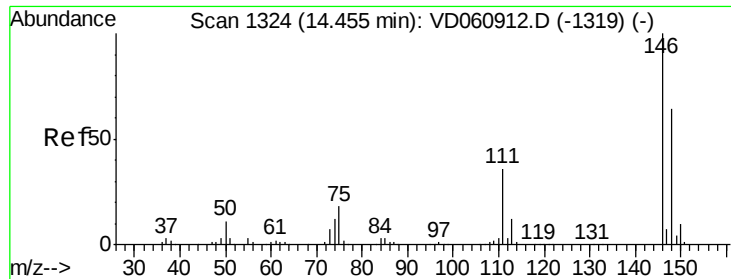


Abundance Ion 119.05 (118.75 to 119.75): V

Ion 134.10 (133.80 to 134.80): V

Ion 91.00 (90.70 to 91.70): V

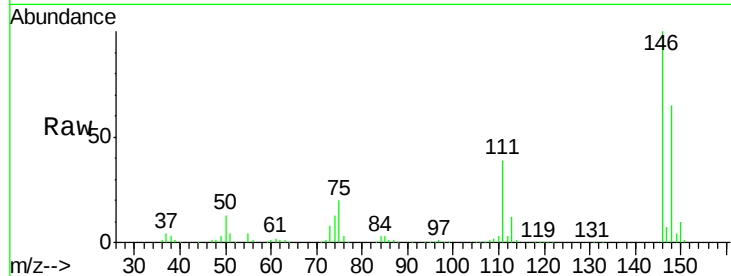




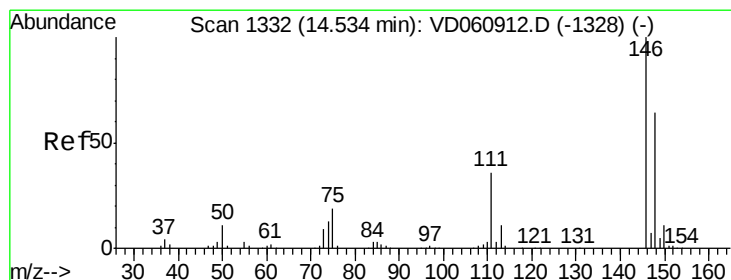
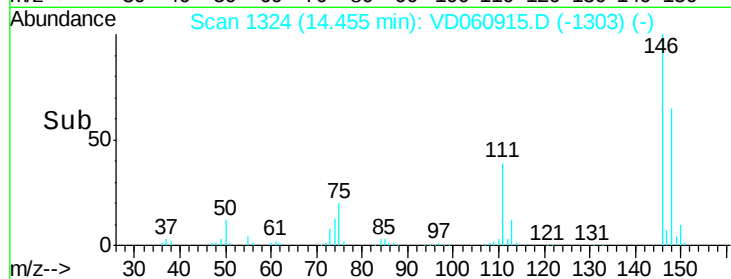
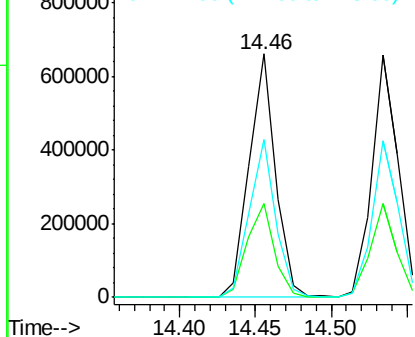
#87
 1,3-Dichlorobenzene
 Concen: 48.310 ug/l
 RT: 14.46 min Scan# 1324
 Delta R.T. 0.00 min
 Lab File: VD060915.D
 Acq: 1 Mar 2019 18:27

Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD030119

Tot Ion:146 Resp: 805054
 Ion Ratio Lower Upper
 146 100
 111 38.6 15.9 47.6
 148 64.7 32.4 97.0

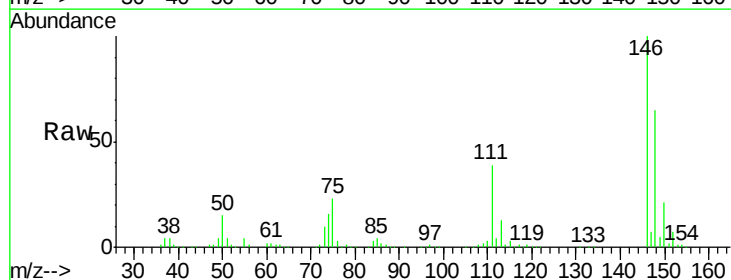


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

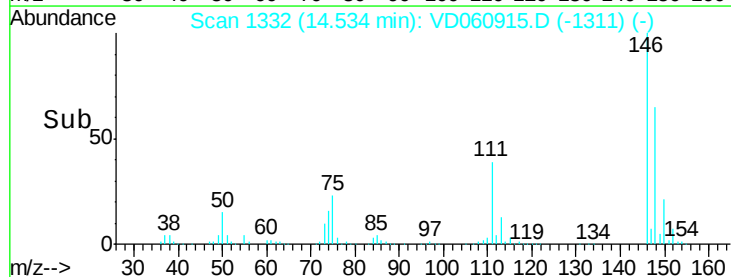
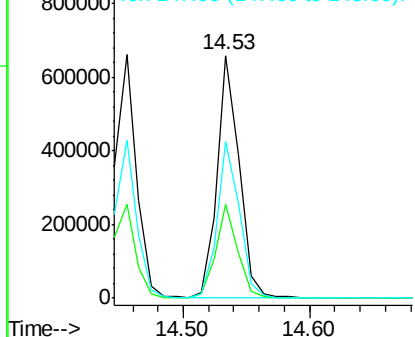


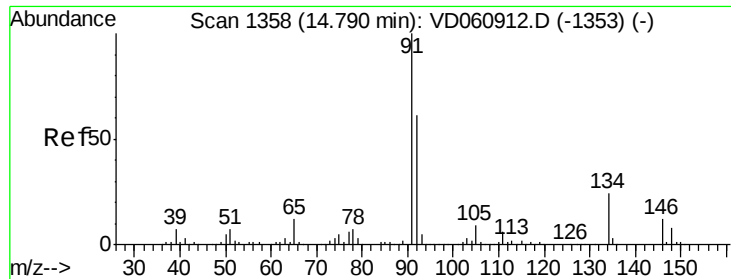
#88
 1,4-Dichlorobenzene
 Concen: 49.836 ug/l
 RT: 14.53 min Scan# 1332
 Delta R.T. 0.00 min
 Lab File: VD060915.D
 Acq: 1 Mar 2019 18:27

Tgt Ion:146 Resp: 802062
 Ion Ratio Lower Upper
 146 100
 111 38.5 15.9 47.7
 148 64.7 32.6 97.8



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: 46.913 ug/l

RT: 14.80 min Scan# 1359

Delta R.T. 0.00 min

Lab File: VD060915.D

Acq: 1 Mar 2019 18:27

Instrument :

MSVOA_D

ClientSampleId :

ICVVD030119

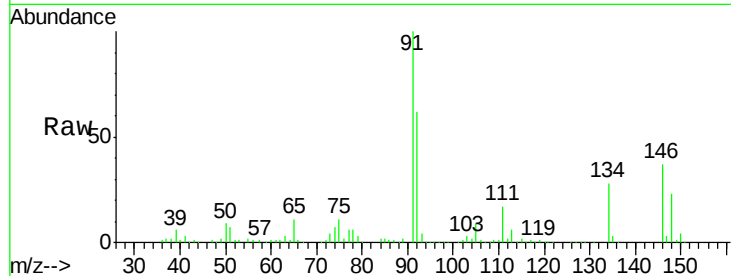
Tot Ion: 91 Resp: 1224275

Ion Ratio Lower Upper

91 100

92 61.6 30.4 91.2

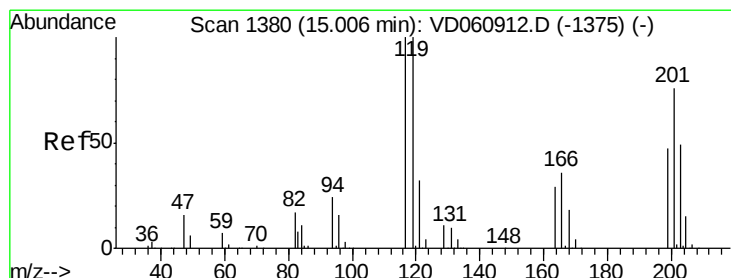
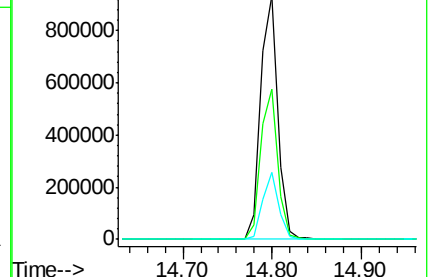
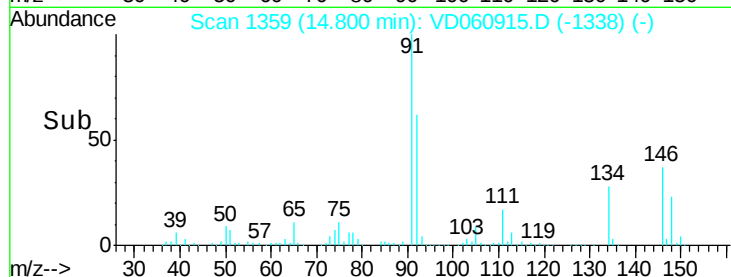
134 27.6 14.1 42.2



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 92.00 (91.70 to 92.70): V

Ion 134.10 (133.80 to 134.80): V



#90

Hexachloroethane

Concen: 57.145 ug/l

RT: 15.01 min Scan# 1380

Delta R.T. 0.00 min

Lab File: VD060915.D

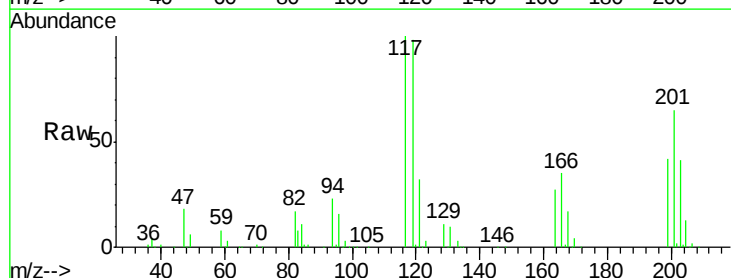
Acq: 1 Mar 2019 18:27

Tgt Ion: 117 Resp: 408457

Ion Ratio Lower Upper

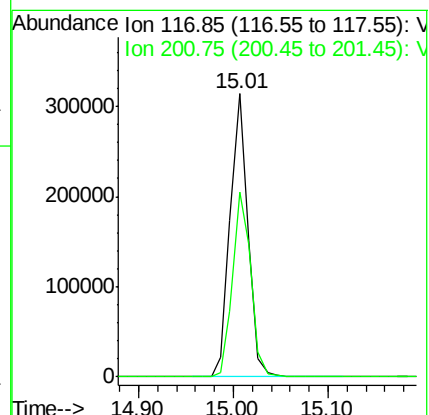
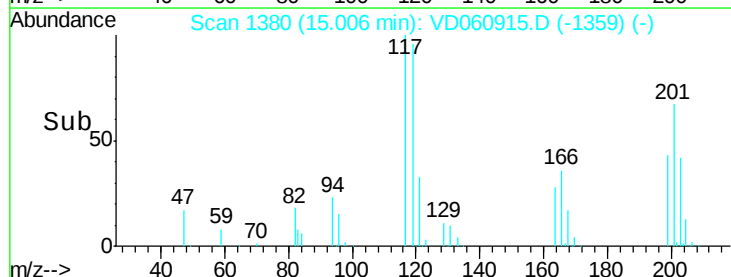
117 100

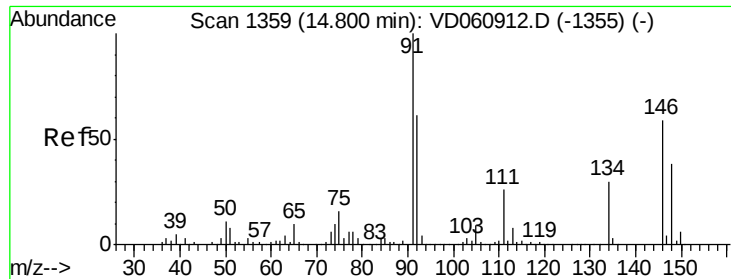
201 65.3 41.4 124.4



Abundance Ion 116.85 (116.55 to 117.55): V

Ion 200.75 (200.45 to 201.45): V

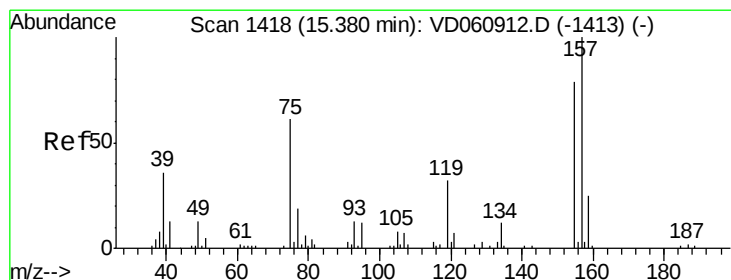
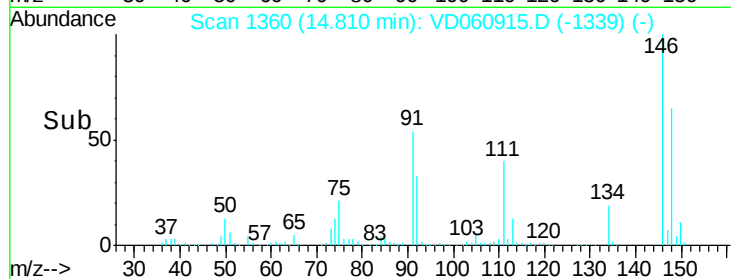
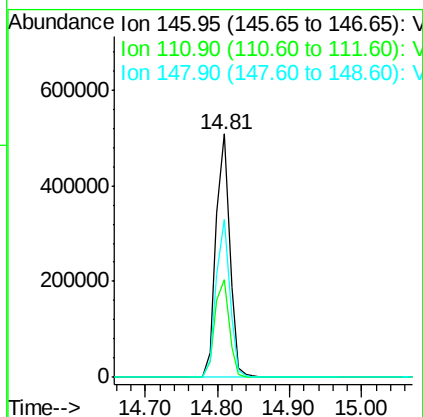
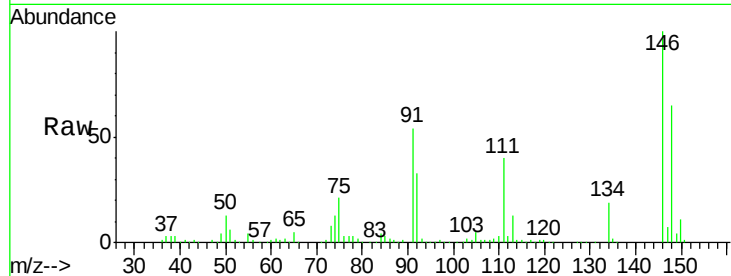




#91
 1,2-Dichlorobenzene
 Concen: 47.972 ug/l
 RT: 14.81 min Scan# 1360
 Delta R.T. 0.00 min
 Lab File: VD060915.D
 Acq: 1 Mar 2019 18:27

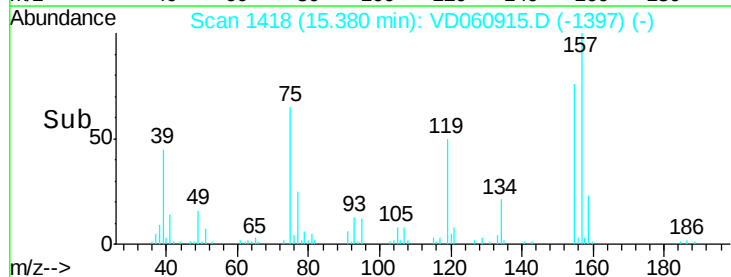
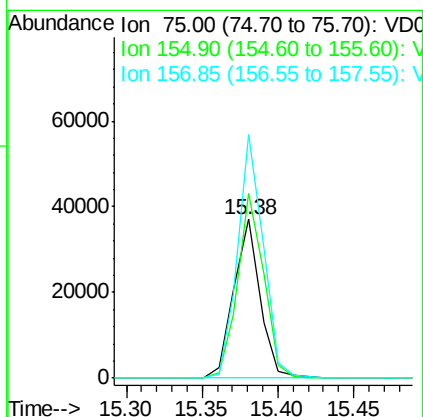
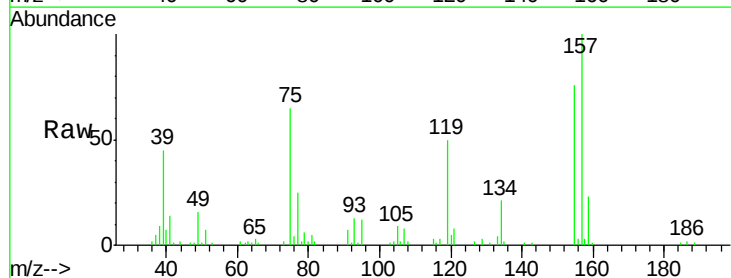
Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD030119

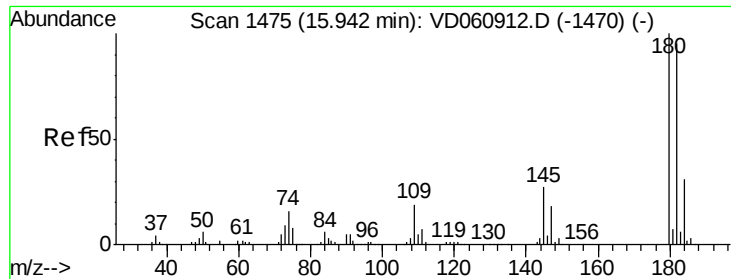
Tot Ion:146 Resp: 665615
 Ion Ratio Lower Upper
 146 100
 111 39.9 16.7 50.1
 148 64.7 32.6 97.8



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 45.737 ug/l
 RT: 15.38 min Scan# 1418
 Delta R.T. 0.00 min
 Lab File: VD060915.D
 Acq: 1 Mar 2019 18:27

Tgt Ion: 75 Resp: 44661
 Ion Ratio Lower Upper
 75 100
 155 116.2 58.6 175.8
 157 153.3 75.1 225.3

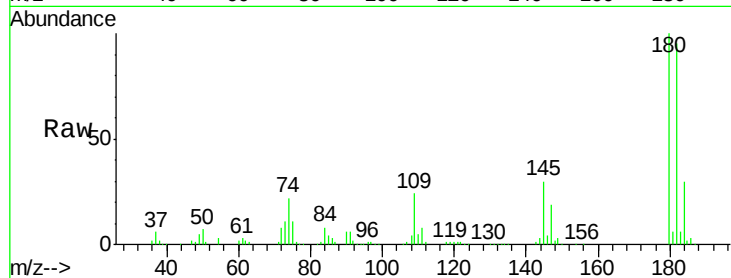




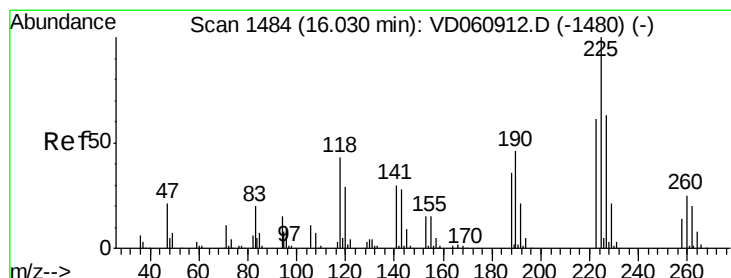
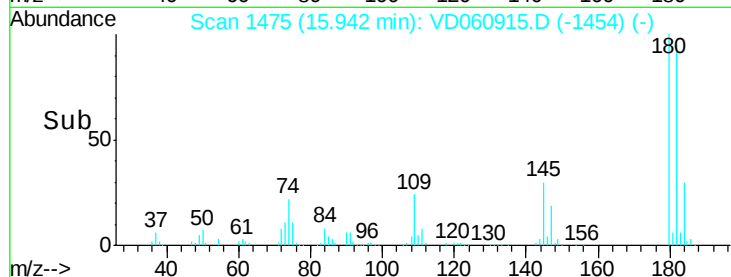
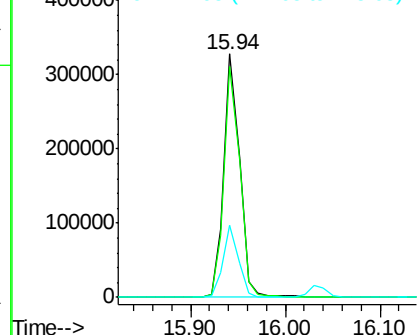
#93
 1,2,4-Trichlorobenzene
 Concen: 39.214 ug/l
 RT: 15.94 min Scan# 1475
 Delta R.T. 0.00 min
 Lab File: VD060915.D
 Acq: 1 Mar 2019 18:27

Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD030119

Tot Ion:180 Resp: 385058
 Ion Ratio Lower Upper
 180 100
 182 94.9 47.5 142.6
 145 29.6 14.3 42.9

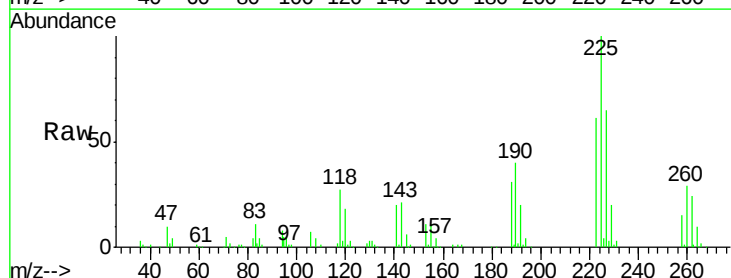


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

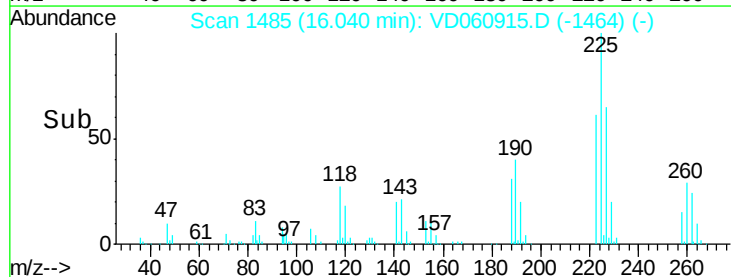
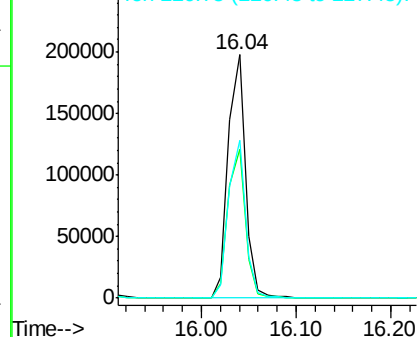


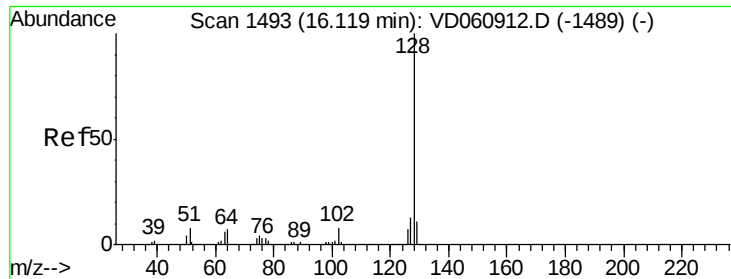
#94
 Hexachlorobutadiene
 Concen: 42.761 ug/l
 RT: 16.04 min Scan# 1485
 Delta R.T. 0.00 min
 Lab File: VD060915.D
 Acq: 1 Mar 2019 18:27

Tgt Ion:225 Resp: 251928
 Ion Ratio Lower Upper
 225 100
 223 61.1 30.6 91.6
 227 64.6 32.0 96.0



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

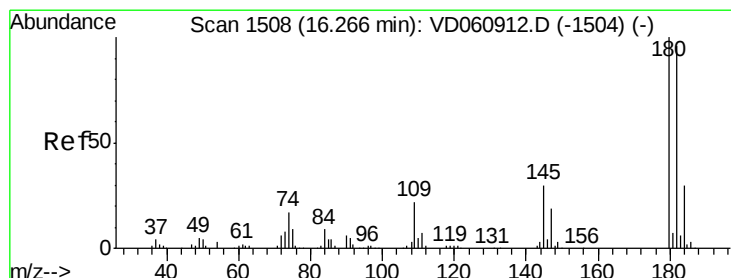
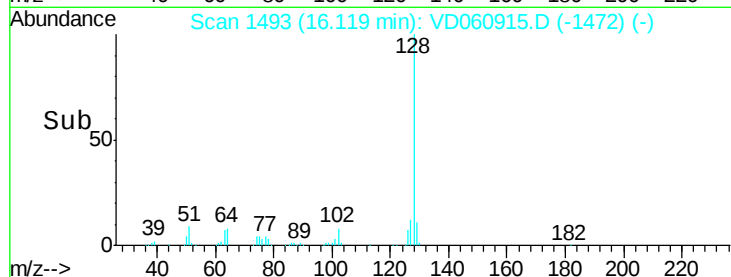
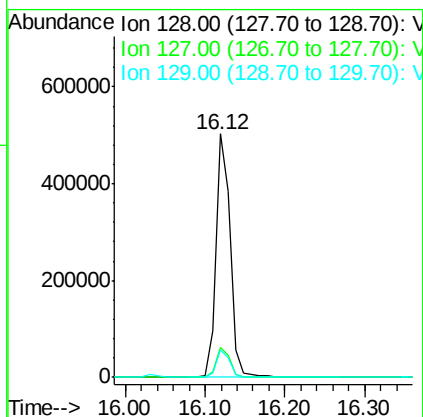
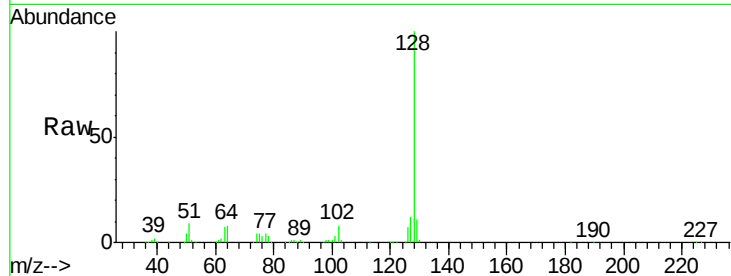




#95
Naphthalene
Concen: 42.670 ug/l
RT: 16.12 min Scan# 1493
Delta R.T. 0.00 min
Lab File: VD060915.D
Acq: 1 Mar 2019 18:27

Instrument :
MSVOA_D
ClientSampleId :
ICVVD030119

Tot Ion:128 Resp: 631683
Ion Ratio Lower Upper
128 100
127 12.3 9.7 14.5
129 11.4 9.0 13.4



#96
1,2,3-Trichlorobenzene
Concen: 29.758 ug/l
RT: 16.27 min Scan# 1508
Delta R.T. 0.00 min
Lab File: VD060915.D
Acq: 1 Mar 2019 18:27

Tgt Ion:180 Resp: 224709
Ion Ratio Lower Upper
180 100
182 94.9 47.9 143.8
145 33.0 12.9 38.7

