

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD030119\
 Data File : VD060912.D
 Acq On : 1 Mar 2019 16:36
 Operator : VA/AP
 Sample : VSTDICCC050
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

Quant Time: Mar 02 01:15:25 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	700716	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.20	114	1294657	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.36	117	1027515	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.51	152	460703	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.45	65	292469	56.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	112.30%	
35) Dibromofluoromethane	6.91	113	517513	53.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.94%	
50) Toluene-d8	10.40	98	1194205	45.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.16%	
62) 4-Bromofluorobenzene	13.55	95	476805	46.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.66%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.58	85	369751	48.389	ug/l	99
3) Chloromethane	1.76	50	302174	64.326	ug/l	98
4) Vinyl Chloride	1.85	62	285083	65.300	ug/l	98
5) Bromomethane	2.15	94	52459	64.222	ug/l #	93
6) Chloroethane	2.27	64	83524	70.507	ug/l	97
7) Trichlorofluoromethane	2.53	101	366515	51.791	ug/l	94
8) Diethyl Ether	2.87	74	153609	126.223	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	3.15	101	472038	108.469	ug/l	91
10) Methyl Iodide	3.30	142	664874	53.509	ug/l	98
11) Tert butyl alcohol	4.05	59	105954	267.915	ug/l	98
12) 1,1-Dichloroethene	3.12	96	402437	123.786	ug/l	97
13) Acrolein	3.04	56	146521	668.237	ug/l	95
14) Allyl chloride	3.62	41	624183	58.807	ug/l	92
15) Acrylonitrile	4.19	53	394550	319.499	ug/l	98
16) Acetone	3.21	43	491107	310.804	ug/l #	89
17) Carbon Disulfide	3.38	76	1386436	57.718	ug/l	100
18) Methyl Acetate	3.64	43	183033	55.830	ug/l	93
19) Methyl tert-butyl Ether	4.23	73	690959	50.699	ug/l #	90
20) Methylene Chloride	3.81	84	459409	51.753	ug/l #	85
21) trans-1,2-Dichloroethene	4.22	96	425343	59.037	ug/l	96
22) Diisopropyl ether	5.11	45	1393239	66.917	ug/l	93
23) Vinyl Acetate	5.04	43	3531109	299.704	ug/l	98
24) 1,1-Dichloroethane	4.97	63	714292	62.801	ug/l	99
25) 2-Butanone	6.06	43	620807	297.679	ug/l	100
26) 2,2-Dichloropropane	6.02	77	543542	50.340	ug/l	93
27) cis-1,2-Dichloroethene	6.03	96	488097	61.694	ug/l	99
28) Bromochloromethane	6.43	49	319466	71.400	ug/l	99
29) Tetrahydrofuran	6.44	42	301974	290.578	ug/l	96
30) Chloroform	6.65	83	692641	51.478	ug/l	100
31) Cyclohexane	6.94	56	660485	70.013	ug/l	88
32) 1,1,1-Trichloroethane	6.87	97	620788	59.265	ug/l	97
36) 1,1-Dichloropropene	7.14	75	561473	41.452	ug/l	94
37) Ethyl Acetate	6.17	43	280243	44.008	ug/l	98
38) Carbon Tetrachloride	7.10	117	645354	51.347	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.85	83	638282	44.329	ug/l #	82
40) Benzene	7.45	78	1402489	41.663	ug/l	99
41) Methacrylonitrile	6.43	41	317598	92.318	ug/l	95
42) 1,2-Dichloroethane	7.56	62	392745	42.898	ug/l	100
43) Isopropyl Acetate	9.23	43	418865	46.436	ug/l	100
44) Trichloroethene	8.53	130	512435	46.681	ug/l	97
45) 1,2-Dichloropropane	8.93	63	378654	48.155	ug/l	97
46) Dibromomethane	9.05	93	250558	44.347	ug/l	90
47) Bromodichloromethane	9.37	83	537705	40.129	ug/l	98
48) Methyl methacrylate	9.11	41	225197	43.364	ug/l	98
49) 1,4-Dioxane	9.07	88	50534	928.892	ug/l #	84
51) 4-Methyl-2-Pentanone	10.29	43	1216985	218.713	ug/l	91
52) Toluene	10.50	92	906397	46.490	ug/l	98
53) t-1,3-Dichloropropene	10.90	75	501321	40.529	ug/l	99
54) cis-1,3-Dichloropropene	10.03	75	618819	43.423	ug/l	97
55) 1,1,2-Trichloroethane	11.18	97	294525	44.040	ug/l	94
56) Ethyl methacrylate	11.03	69	335023	44.021	ug/l	95
57) 1,3-Dichloropropane	11.40	76	449535	40.814	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.85	63	820832	225.111	ug/l	100
59) 2-Hexanone	11.52	43	899650	210.595	ug/l	95
60) Dibromochloromethane	11.68	129	452842	47.122	ug/l	98
61) 1,2-Dibromoethane	11.80	107	361370	47.733	ug/l	96
64) Tetrachloroethene	11.25	164	388813	42.350	ug/l #	91
65) Chlorobenzene	12.39	112	1129292	54.226	ug/l	99
66) 1,1,1,2-Tetrachloroethane	12.51	131	398491	48.084	ug/l	95
67) Ethyl Benzene	12.52	91	1619521	45.689	ug/l	91
68) m/p-Xylenes	12.66	106	1265992	101.049	ug/l	81
69) o-Xylene	13.04	106	632055	52.382	ug/l	83
70) Styrene	13.07	104	1036153	51.093	ug/l	96
71) Bromoform	13.22	173	265234	40.245	ug/l	99
73) Isopropylbenzene	13.40	105	1719134	63.772	ug/l	97
74) N-amyl acetate	13.26	43	474494	50.928	ug/l	97
75) 1,1,2,2-Tetrachloroethane	13.70	83	348043	52.422	ug/l	99
76) 1,2,3-Trichloropropane	13.73	75	351909	51.335	ug/l	100
77) Bromobenzene	13.67	156	450435	51.917	ug/l	88
78) n-propylbenzene	13.77	91	1952042	54.269	ug/l	96
79) 2-Chlorotoluene	13.83	91	1105835	53.752	ug/l	95
80) 1,3,5-Trimethylbenzene	14.23	105	1284124	57.961	ug/l	100
81) trans-1,4-Dichloro-2-buten	13.47	75	109973	50.350	ug/l	99
82) 4-Chlorotoluene	13.94	91	1252968	55.512	ug/l	95
83) tert-Butylbenzene	14.19	119	1571565	61.427	ug/l	90
84) 1,2,4-Trimethylbenzene	14.23	105	1284124	57.961	ug/l	100
85) sec-Butylbenzene	14.37	105	1726803	60.457	ug/l	98
86) p-Isopropyltoluene	14.48	119	1462951	60.992	ug/l	95
87) 1,3-Dichlorobenzene	14.46	146	790502	49.818	ug/l	97
88) 1,4-Dichlorobenzene	14.53	146	772059	50.379	ug/l	97
89) n-Butylbenzene	14.79	91	1306517	52.577	ug/l	97
90) Hexachloroethane	15.01	117	414676	60.927	ug/l	92
91) 1,2-Dichlorobenzene	14.80	146	660065	49.960	ug/l	93
92) 1,2-Dibromo-3-Chloropropan	15.38	75	43187	46.448	ug/l	89

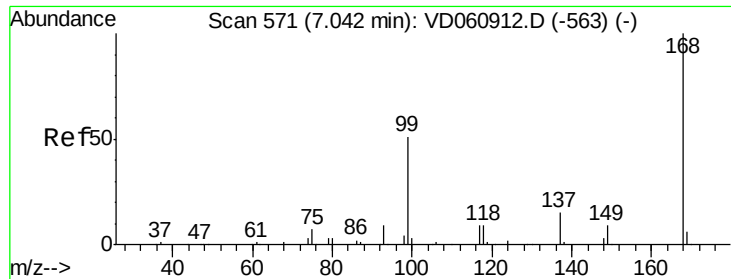
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD030119\
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.94	180	379686	40.608	ug/l	99
94) Hexachlorobutadiene	16.03	225	262883	46.860	ug/l	99
95) Naphthalene	16.12	128	556217	39.458	ug/l	99
96) 1,2,3-Trichlorobenzene	16.27	180	211133	29.364	ug/l	98

(#) = 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: VD060912.D

Acq: 1 Mar 2019 16:36

Instrument :

MSVOA_D

ClientSampleId :

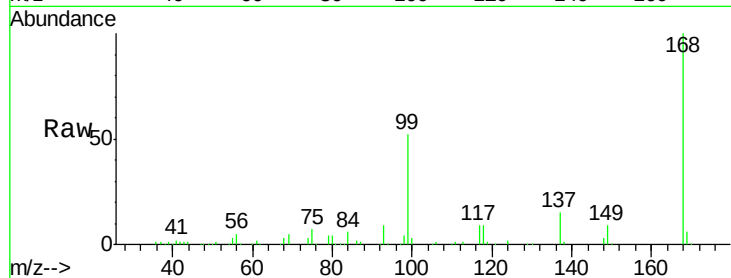
VSTDICCC050

Tot Ion:168 Resp: 700716

Ion Ratio Lower Upper

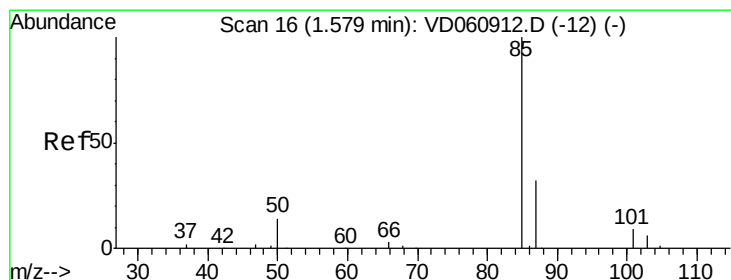
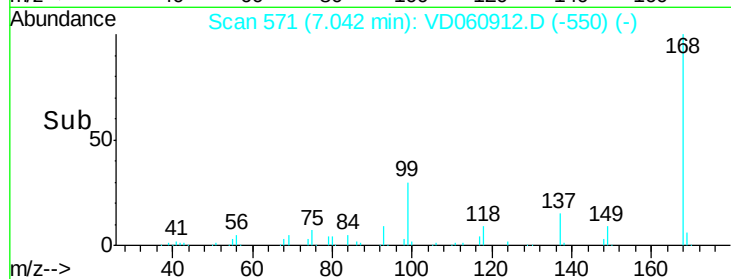
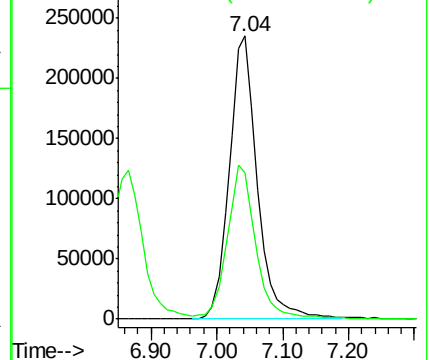
168 100

99 51.9 38.2 57.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#2

Dichlorodifluoromethane

Concen: 48.389 ug/l

RT: 1.58 min Scan# 16

Delta R.T. -0.01 min

Lab File: VD060912.D

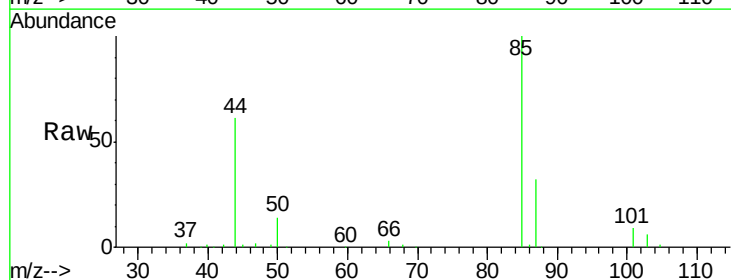
Acq: 1 Mar 2019 16:36

Tgt Ion: 85 Resp: 369751

Ion Ratio Lower Upper

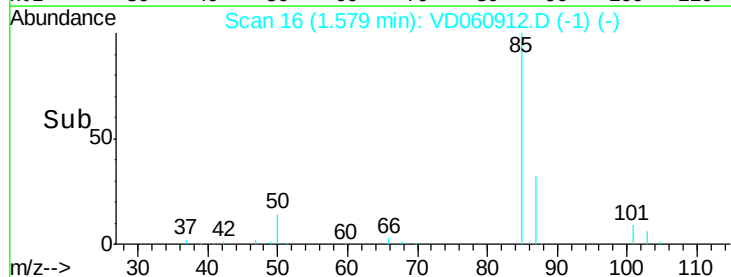
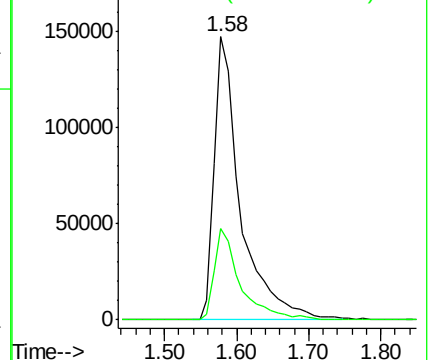
85 100

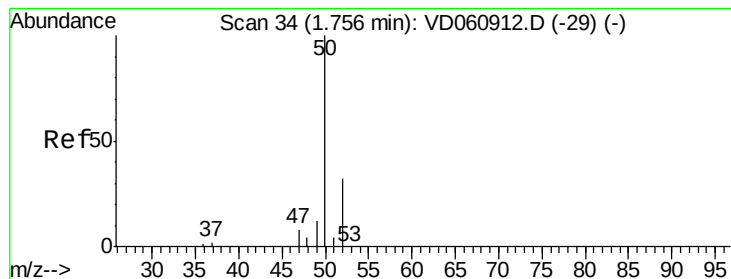
87 32.5 16.1 48.2



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 64.326 ug/l

RT: 1.76 min Scan# 34

Delta R.T. 0.00 min

Lab File: VD060912.D

Acq: 1 Mar 2019 16:36

Instrument :

MSVOA_D

ClientSampleId :

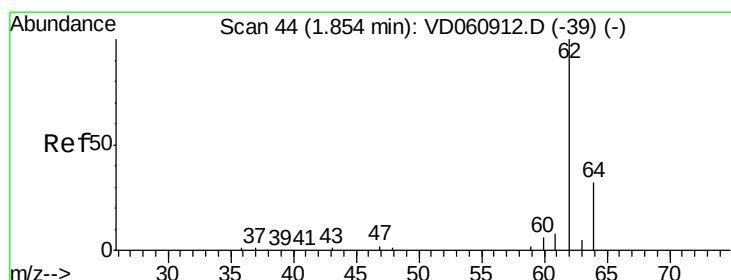
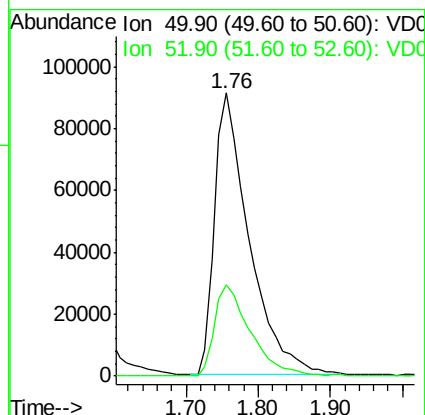
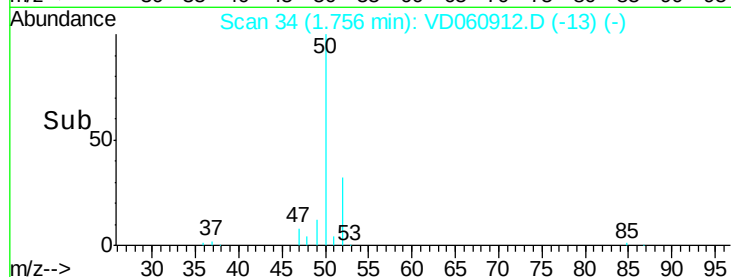
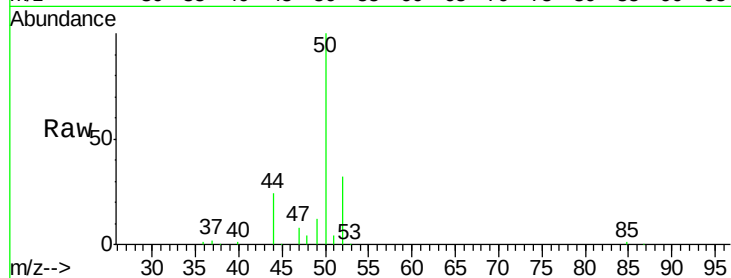
VSTDICCC050

Tot Ion: 50 Resp: 302174

Ion Ratio Lower Upper

50 100

52 32.2 26.8 40.2



#4

Vinyl Chloride

Concen: 65.300 ug/l

RT: 1.85 min Scan# 44

Delta R.T. -0.01 min

Lab File: VD060912.D

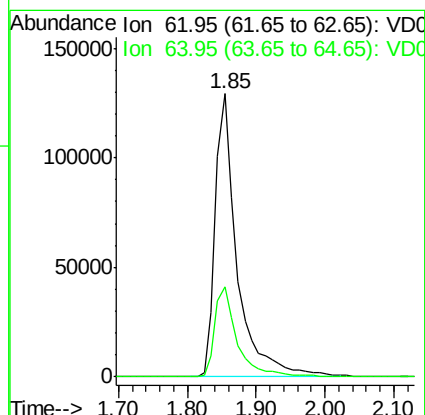
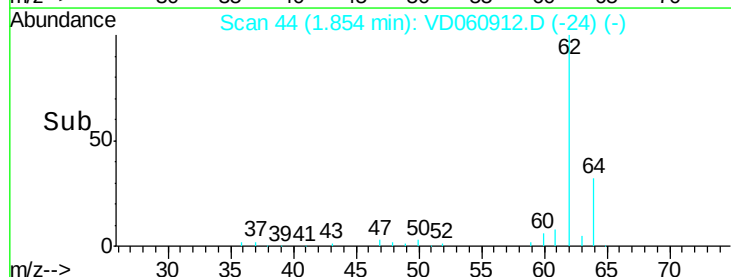
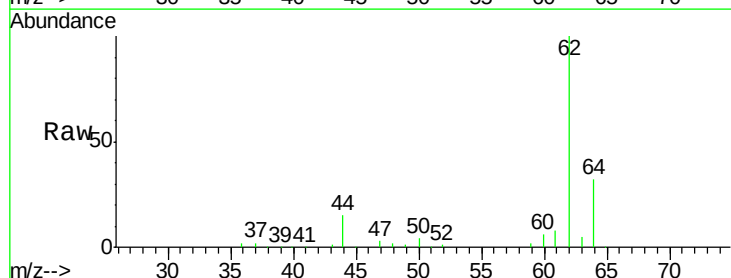
Acq: 1 Mar 2019 16:36

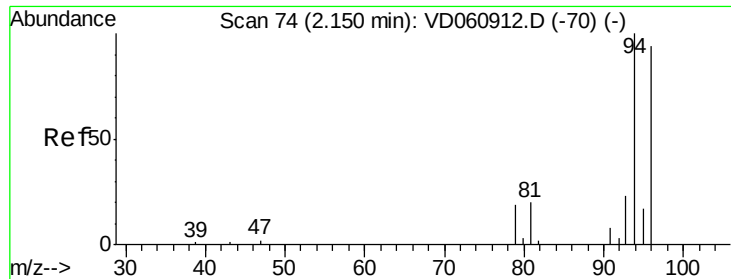
Tgt Ion: 62 Resp: 285083

Ion Ratio Lower Upper

62 100

64 31.8 26.3 39.5

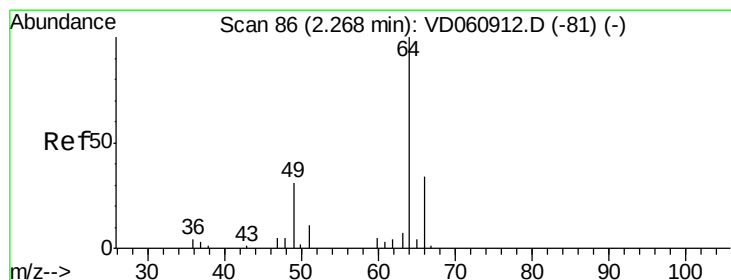
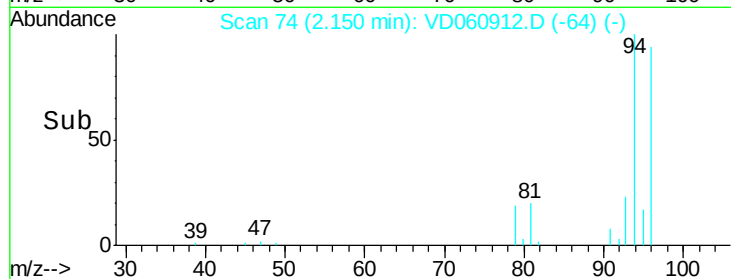
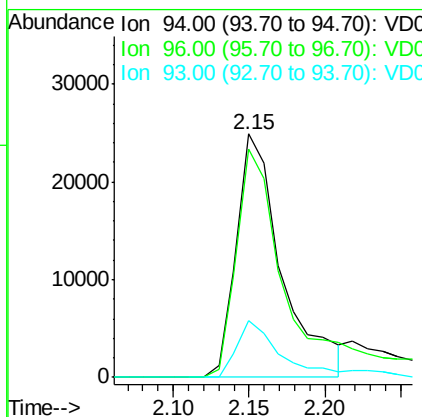
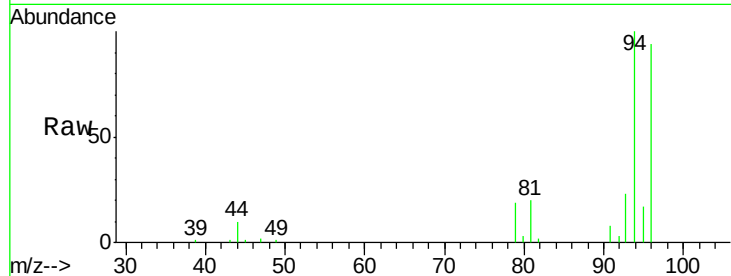




#5
Bromomethane
Concen: 64.222 ug/l
RT: 2.15 min Scan# 74
Delta R.T. -0.01 min
Lab File: VD060912.D
Acq: 1 Mar 2019 16:36

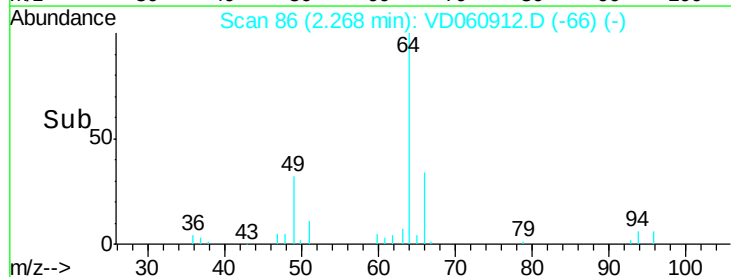
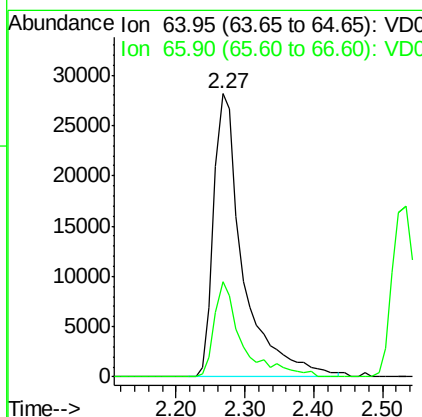
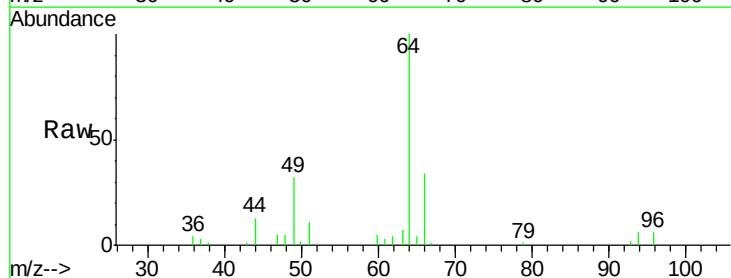
Instrument :
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VSTDICCC050

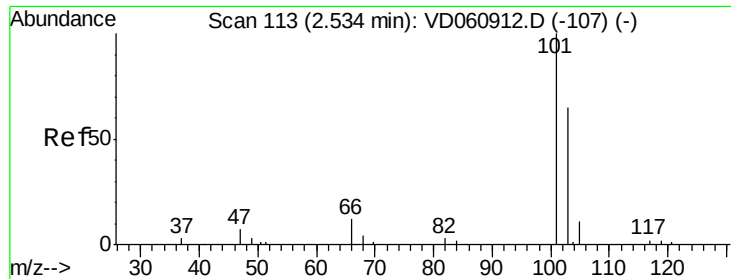
Tot Ion: 94 Resp: 52459
Ion Ratio Lower Upper
94 100
96 93.9 81.0 121.4
93 23.3 0.0 0.0#



#6
Chloroethane
Concen: 70.507 ug/l
RT: 2.27 min Scan# 86
Delta R.T. -0.01 min
Lab File: VD060912.D
Acq: 1 Mar 2019 16:36

Tgt Ion: 64 Resp: 83524
Ion Ratio Lower Upper
64 100
66 33.8 25.8 38.6



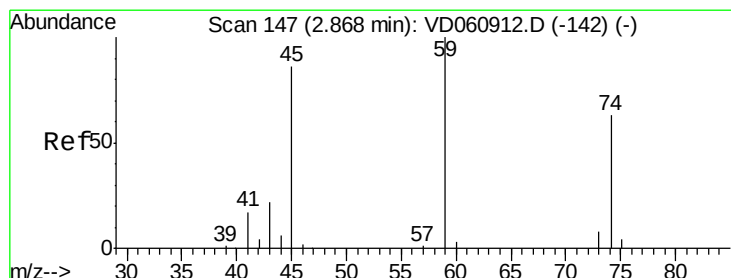
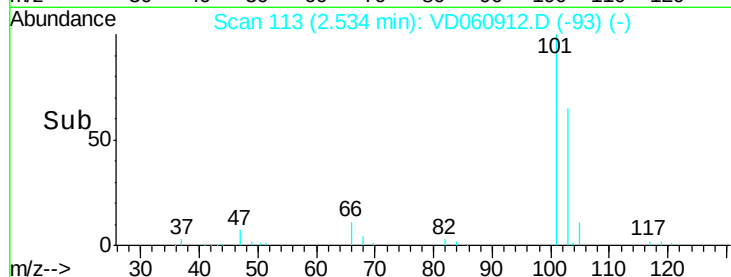
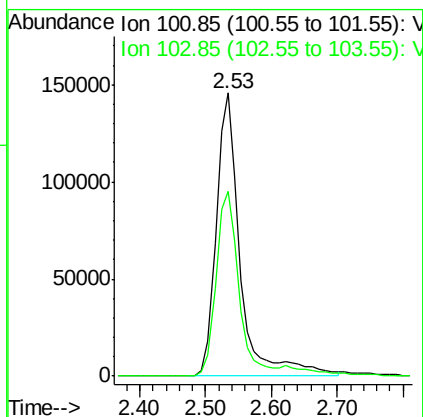
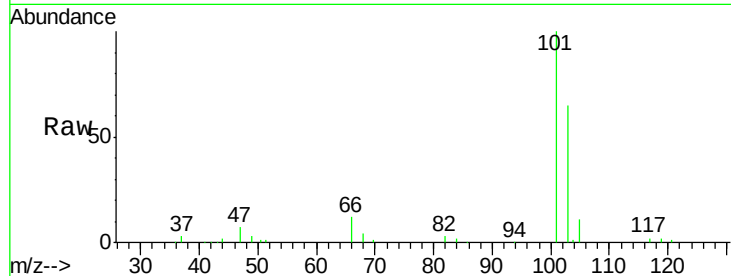


#7

Trichlorofluoromethane
 Concen: 51.791 ug/l
 RT: 2.53 min Scan# 113
 Delta R.T. -0.01 min
 Lab File: VD060912.D
 Acq: 1 Mar 2019 16:36

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

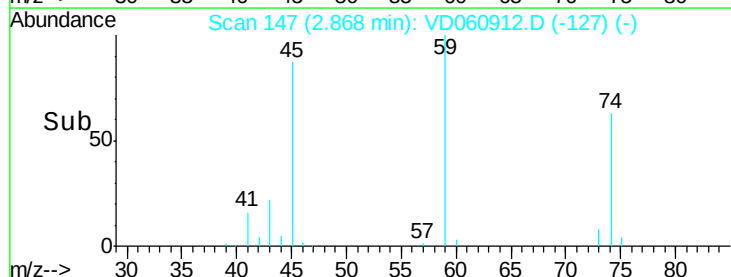
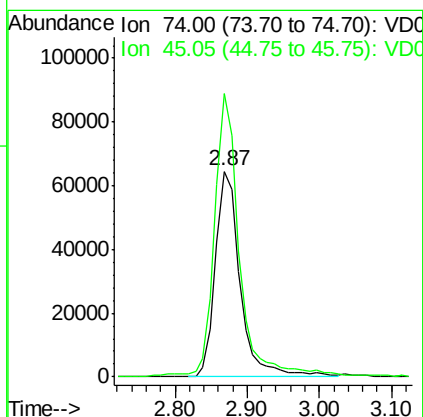
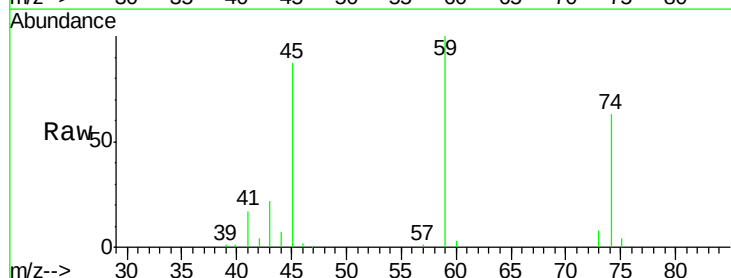
Tot Ion:101 Resp: 366515
 Ion Ratio Lower Upper
 101 100
 103 65.5 48.6 72.8

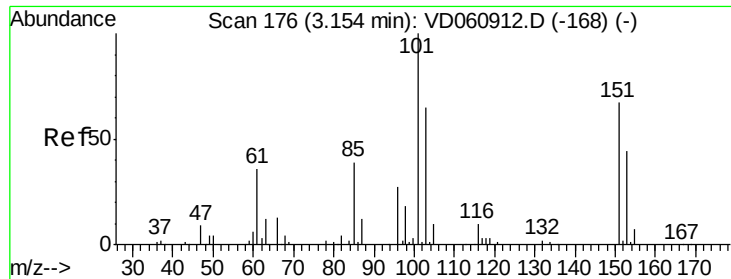


#8

Diethyl Ether
 Concen: 126.223 ug/l
 RT: 2.87 min Scan# 147
 Delta R.T. -0.01 min
 Lab File: VD060912.D
 Acq: 1 Mar 2019 16:36

Tgt Ion: 74 Resp: 153609
 Ion Ratio Lower Upper
 74 100
 45 137.6 64.8 194.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 108.469 ug/l

RT: 3.15 min Scan# 176

Delta R.T. 0.00 min

Lab File: VD060912.D

Acq: 1 Mar 2019 16:36

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

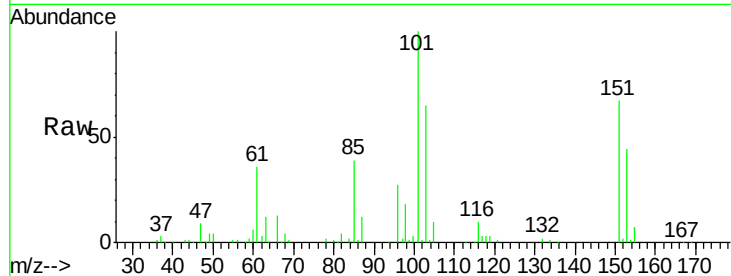
Tot Ion:101 Resp: 472038

Ion Ratio Lower Upper

101 100

85 38.8 34.7 52.1

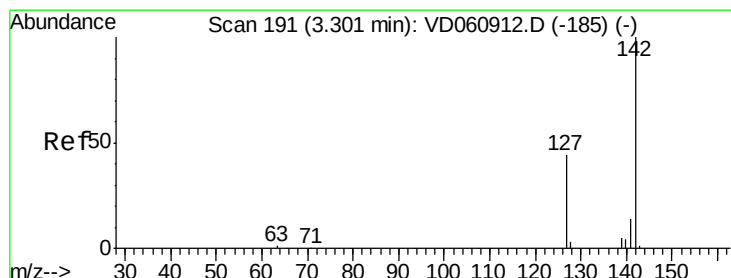
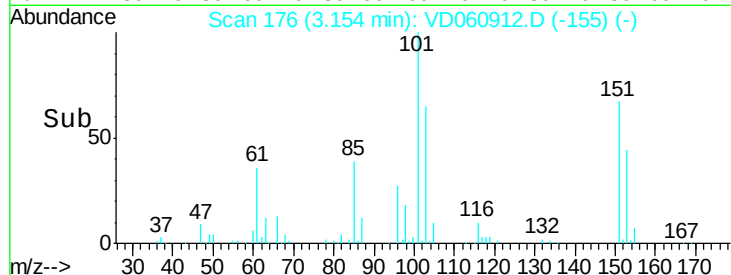
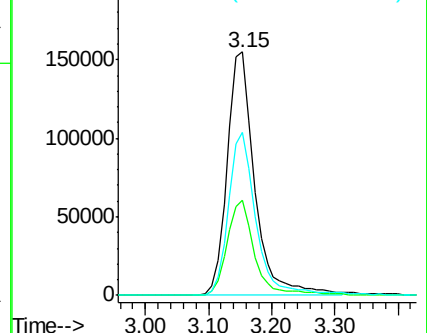
151 67.2 61.2 91.8



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



#10

Methyl Iodide

Concen: 53.509 ug/l

RT: 3.30 min Scan# 191

Delta R.T. -0.02 min

Lab File: VD060912.D

Acq: 1 Mar 2019 16:36

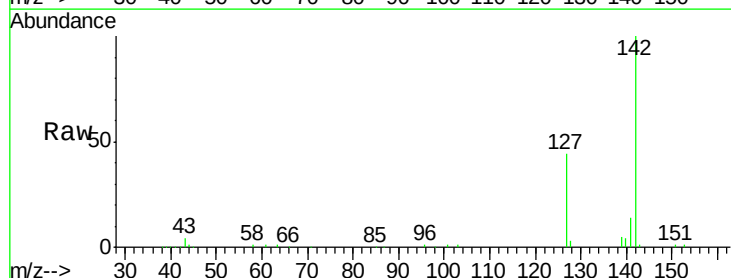
Tgt Ion:142 Resp: 664874

Ion Ratio Lower Upper

142 100

127 43.8 34.2 51.4

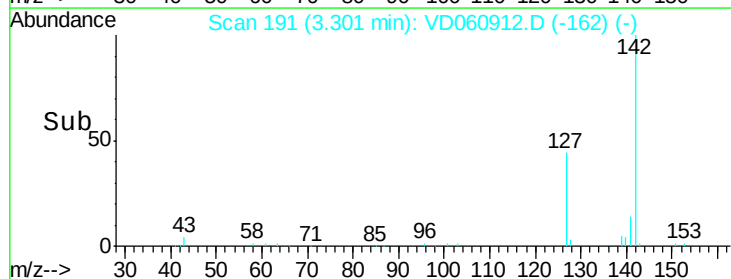
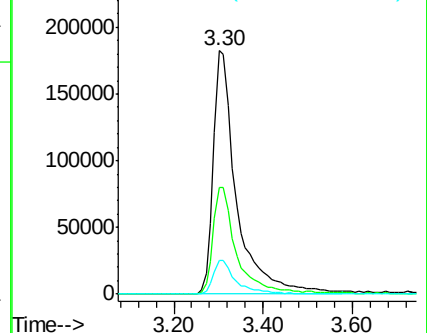
141 13.7 11.4 17.2

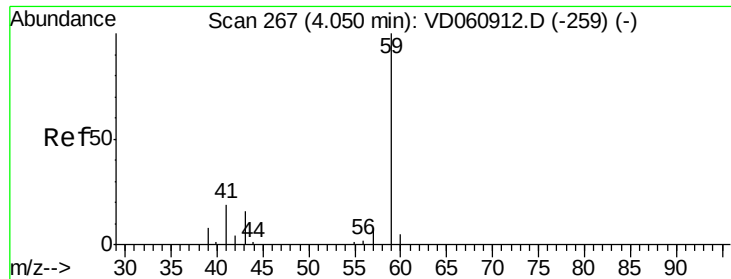


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V

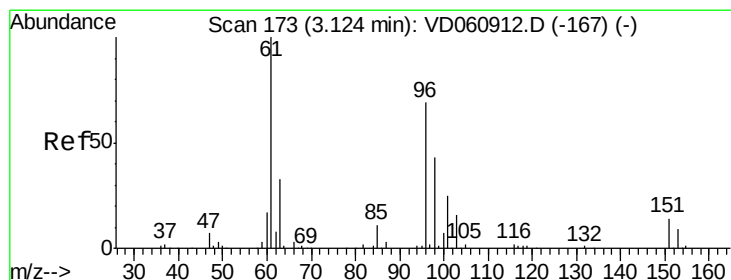
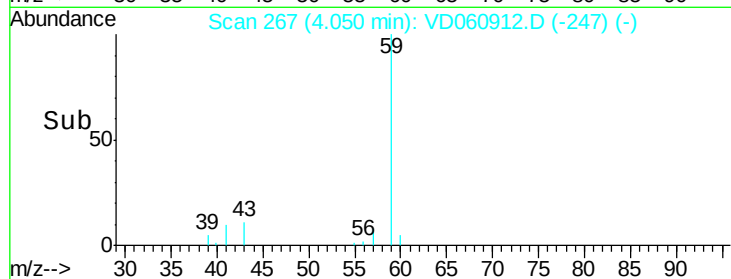
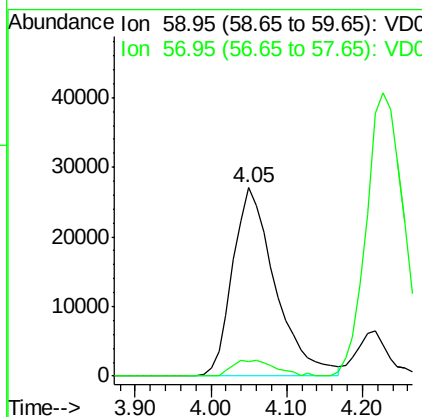
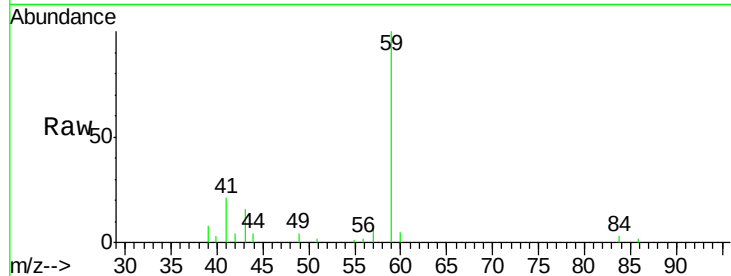




#11
Tert butyl alcohol
Concen: 267.915 ug/l
RT: 4.05 min Scan# 267
Delta R.T. -0.01 min
Lab File: VD060912.D
Acq: 1 Mar 2019 16:36

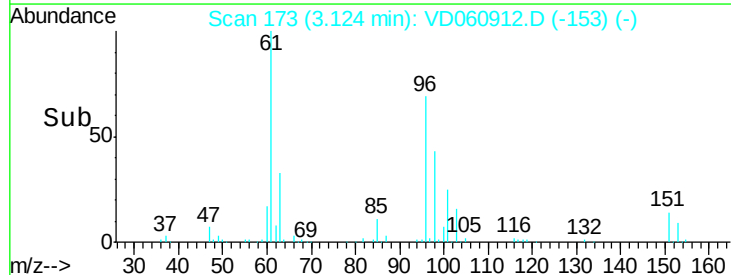
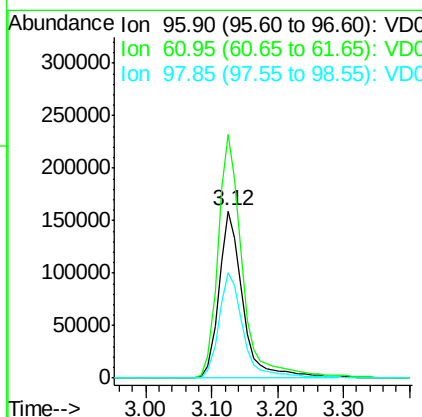
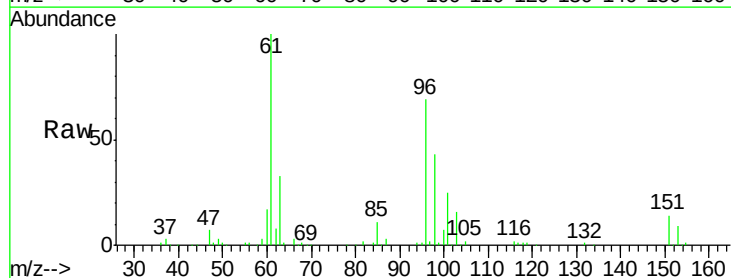
Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

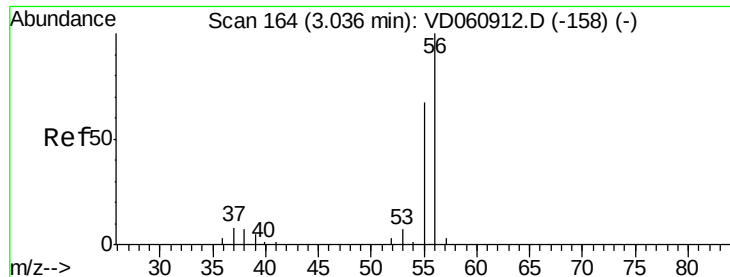
Tot Ion: 59 Resp: 105954
Ion Ratio Lower Upper
59 100
57 8.1 5.8 8.8



#12
1,1-Dichloroethene
Concen: 123.786 ug/l
RT: 3.12 min Scan# 173
Delta R.T. -0.01 min
Lab File: VD060912.D
Acq: 1 Mar 2019 16:36

Tgt Ion: 96 Resp: 402437
Ion Ratio Lower Upper
96 100
61 145.5 112.4 168.6
98 63.1 51.0 76.6

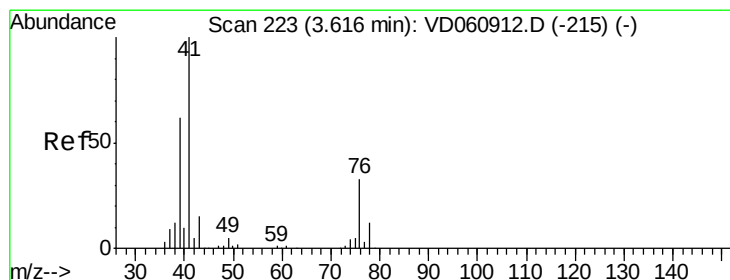
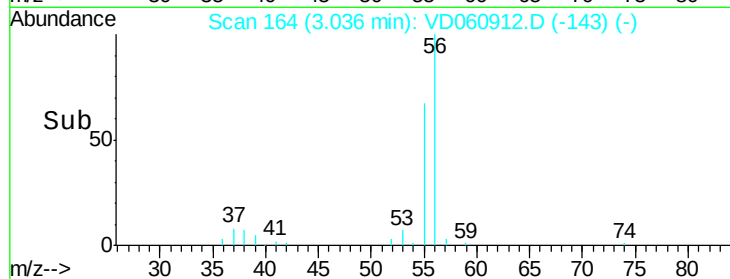
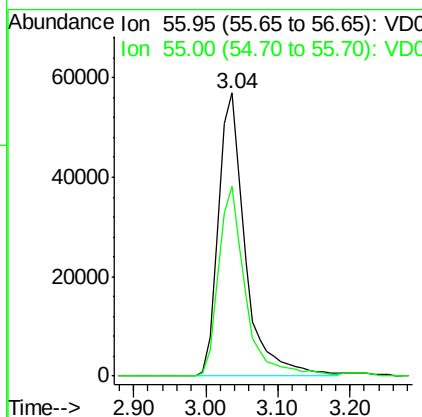
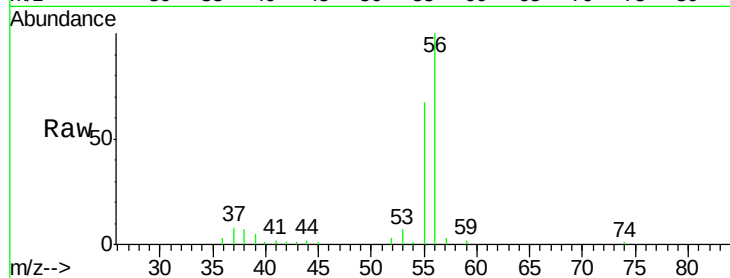




#13
Acrolein
Concen: 668.237 ug/l
RT: 3.04 min Scan# 164
Delta R.T. 0.00 min
Lab File: VD060912.D
Acq: 1 Mar 2019 16:36

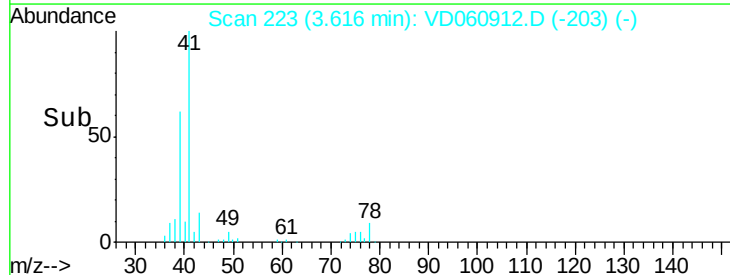
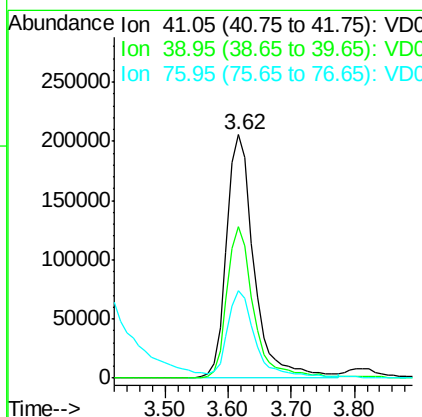
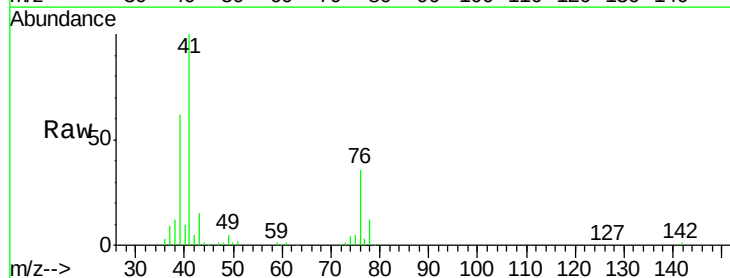
Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

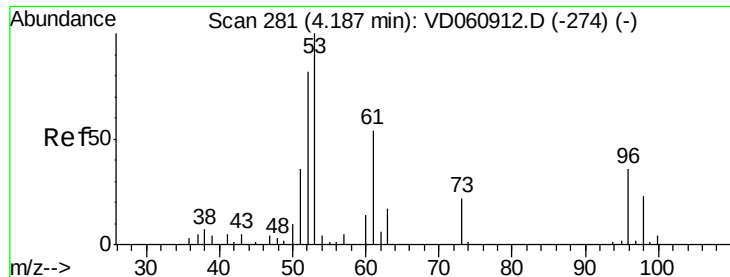
Tot Ion: 56 Resp: 146521
Ion Ratio Lower Upper
56 100
55 66.9 56.8 85.2



#14
Allyl chloride
Concen: 58.807 ug/l
RT: 3.62 min Scan# 223
Delta R.T. -0.01 min
Lab File: VD060912.D
Acq: 1 Mar 2019 16:36

Tgt Ion: 41 Resp: 624183
Ion Ratio Lower Upper
41 100
39 62.4 55.7 83.5
76 35.7 31.3 46.9





#15

Acrylonitrile

Concen: 319.499 ug/l

RT: 4.19 min Scan# 281

Delta R.T. -0.01 min

Lab File: VD060912.D

Acq: 1 Mar 2019 16:36

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

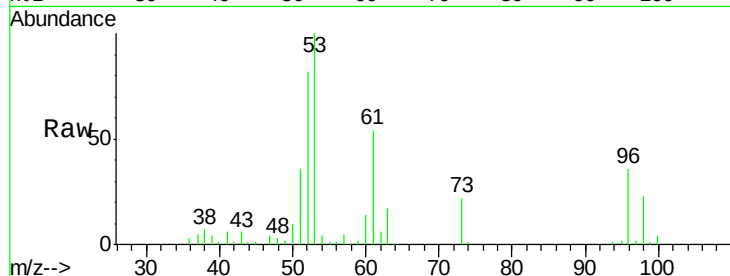
Tot Ion: 53 Resp: 394550

Ion	Ratio	Lower	Upper
53	100		
52	82.2	66.2	99.2
51	36.1	31.0	46.6

53 100

52 82.2 66.2 99.2

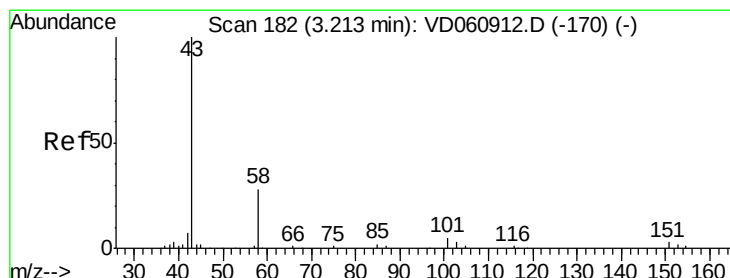
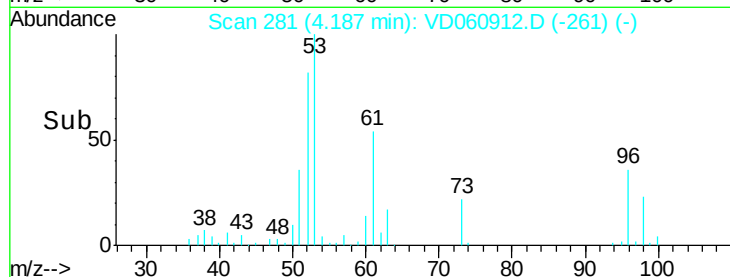
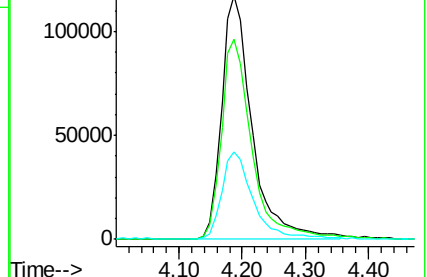
51 36.1 31.0 46.6



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: 310.804 ug/l

RT: 3.21 min Scan# 182

Delta R.T. -0.01 min

Lab File: VD060912.D

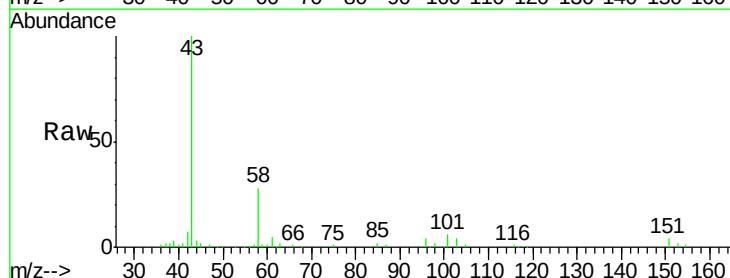
Acq: 1 Mar 2019 16:36

Tgt Ion: 43 Resp: 491107

Ion	Ratio	Lower	Upper
43	100		
58	28.5	18.4	27.6#

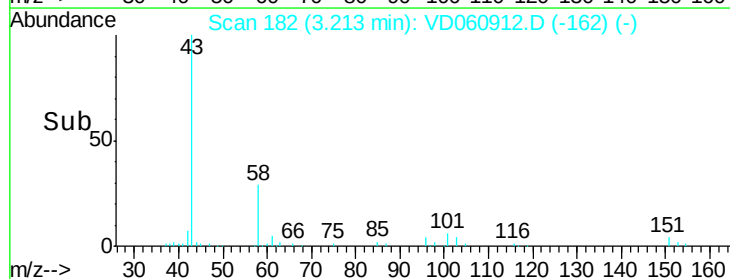
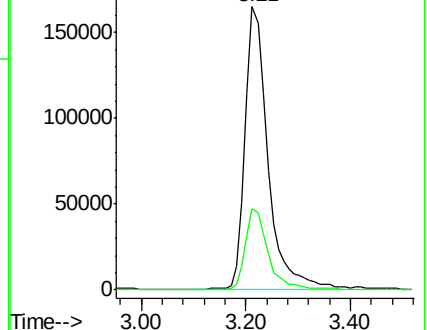
43 100

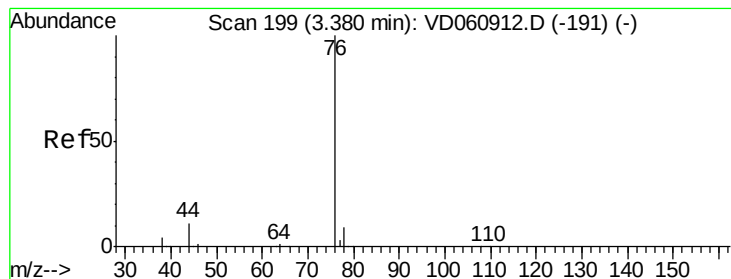
58 28.5 18.4 27.6#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC





#17

Carbon Disulfide

Concen: 57.718 ug/l

RT: 3.38 min Scan# 199

Delta R.T. 0.00 min

Lab File: VD060912.D

Acq: 1 Mar 2019 16:36

Instrument :

MSVOA_D

ClientSampleId :

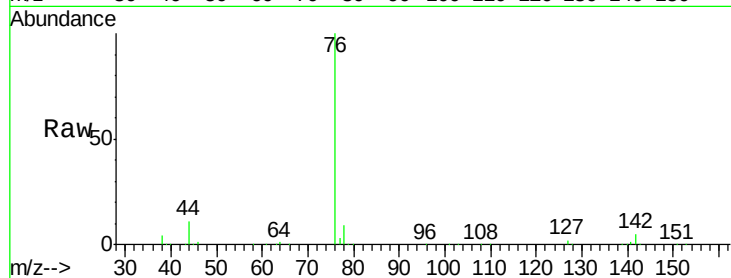
VSTDICCC050

Tot Ion: 76 Resp: 1386436

Ion Ratio Lower Upper

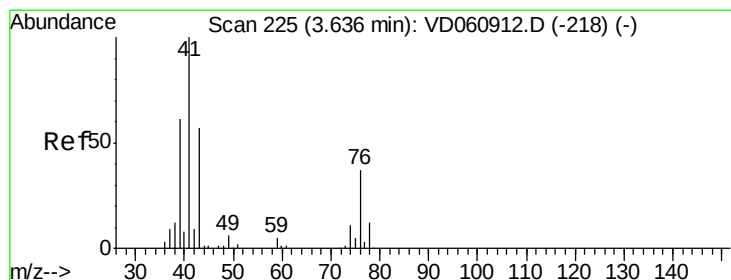
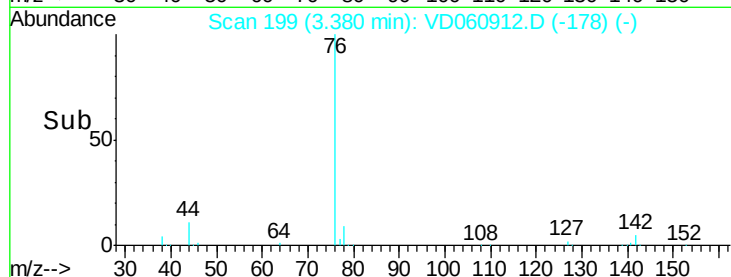
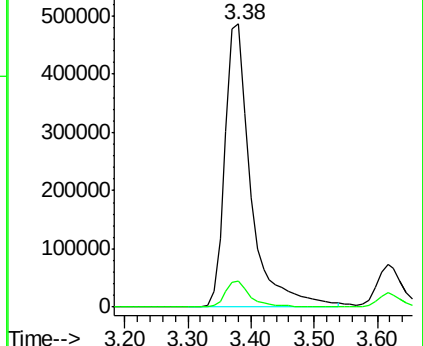
76 100

78 9.2 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: 55.830 ug/l

RT: 3.64 min Scan# 225

Delta R.T. -0.01 min

Lab File: VD060912.D

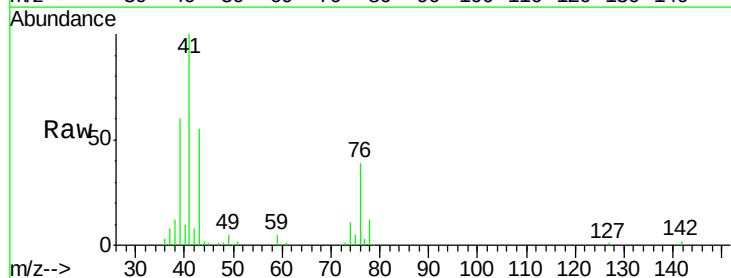
Acq: 1 Mar 2019 16:36

Tgt Ion: 43 Resp: 183033

Ion Ratio Lower Upper

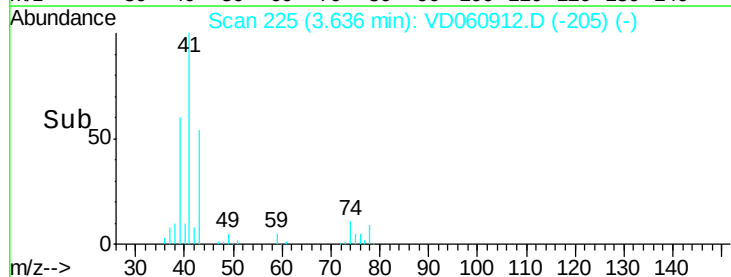
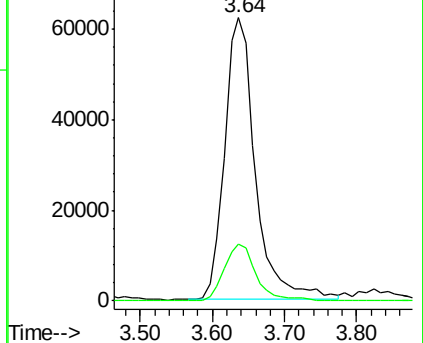
43 100

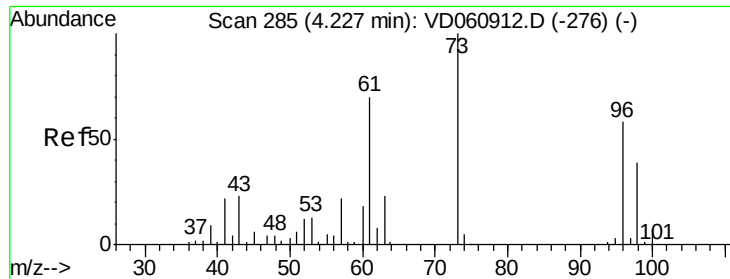
74 20.1 18.6 28.0



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC

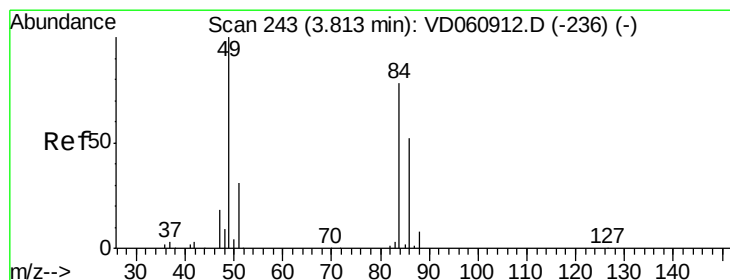
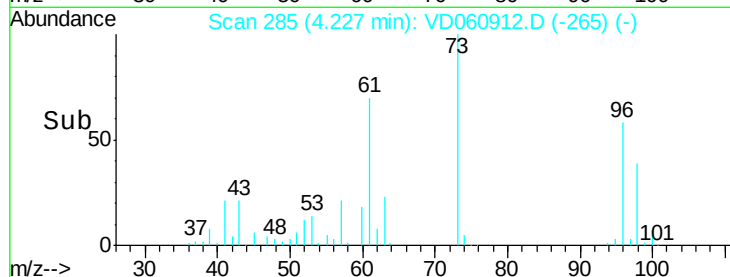
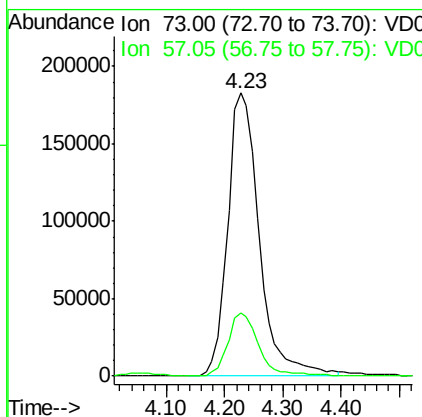
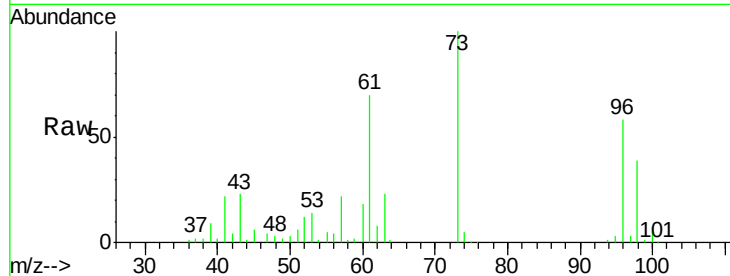




#19
Methyl tert-butyl Ether
Concen: 50.699 ug/l
RT: 4.23 min Scan# 285
Delta R.T. -0.01 min
Lab File: VD060912.D
Acq: 1 Mar 2019 16:36

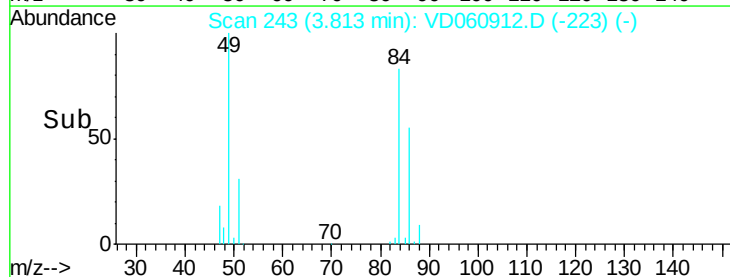
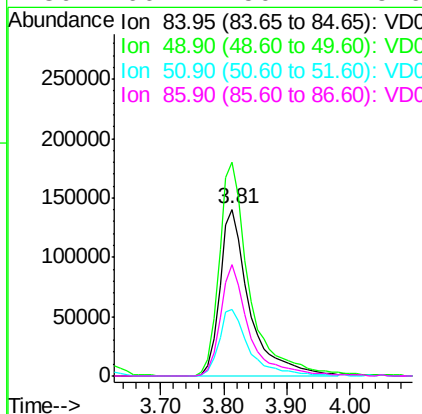
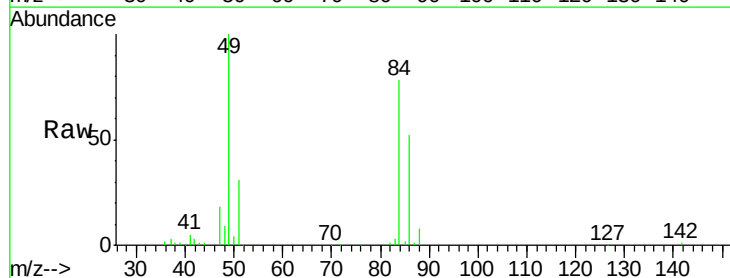
Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

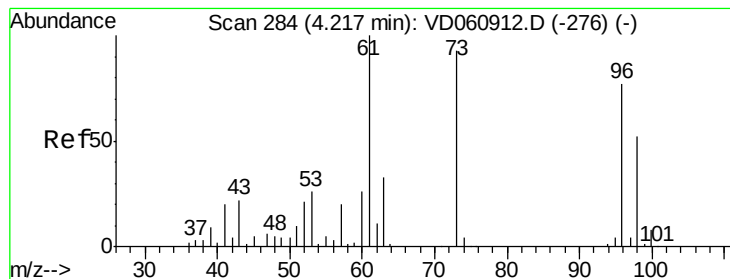
Tot Ion: 73 Resp: 690959
Ion Ratio Lower Upper
73 100
57 22.2 14.4 21.6#



#20
Methylene Chloride
Concen: 51.753 ug/l
RT: 3.81 min Scan# 243
Delta R.T. -0.01 min
Lab File: VD060912.D
Acq: 1 Mar 2019 16:36

Tgt Ion: 84 Resp: 459409
Ion Ratio Lower Upper
84 100
49 128.0 84.7 127.1#
51 39.9 26.4 39.6#
86 66.4 50.4 75.6





#21

trans-1,2-Dichloroethene

Concen: 59.037 ug/l

RT: 4.22 min Scan# 284

Delta R.T. -0.01 min

Lab File: VD060912.D

Acq: 1 Mar 2019 16:36

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

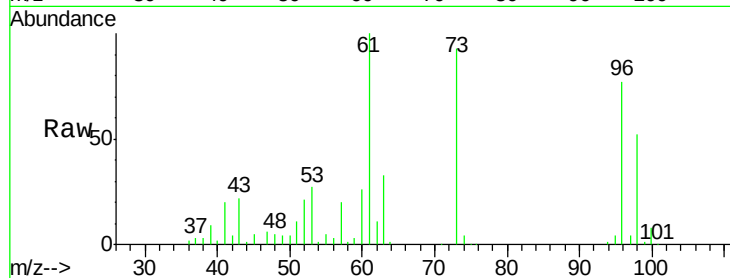
Tot Ion: 96 Resp: 425343

Ion Ratio Lower Upper

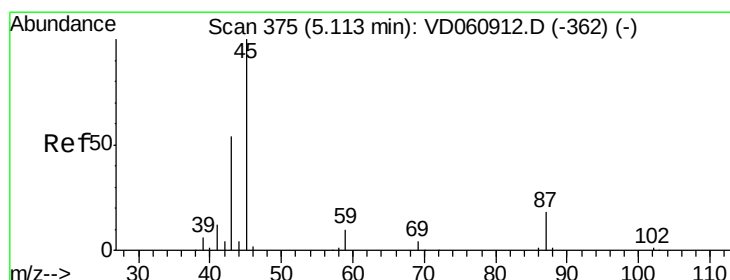
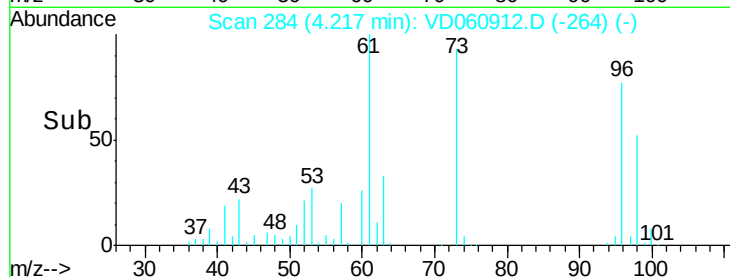
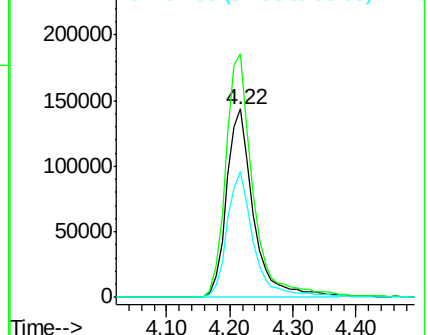
96 100

61 129.3 100.1 150.1

98 67.0 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: 66.917 ug/l

RT: 5.11 min Scan# 375

Delta R.T. -0.01 min

Lab File: VD060912.D

Acq: 1 Mar 2019 16:36

Tgt Ion: 45 Resp: 1393239

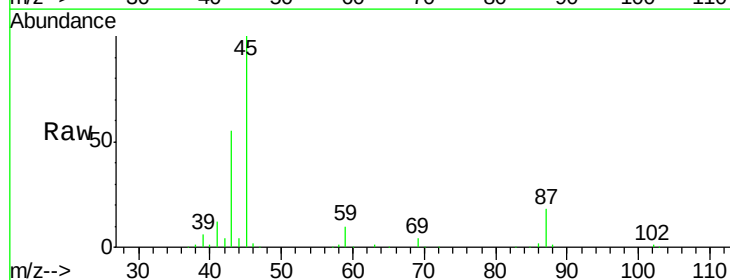
Ion Ratio Lower Upper

45 100

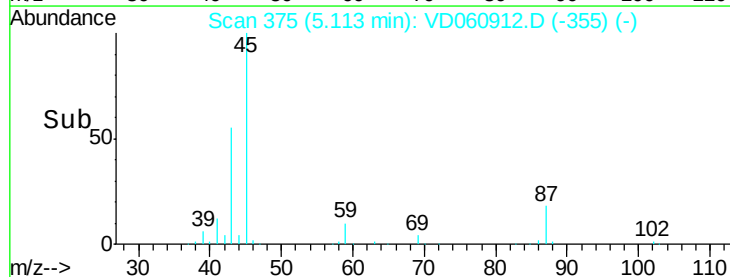
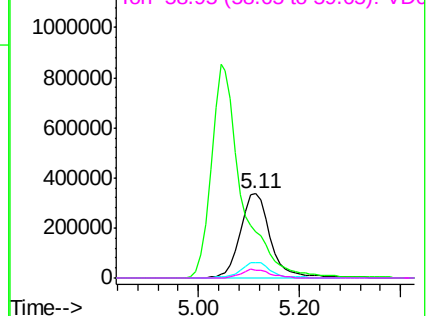
43 55.5 49.6 74.4

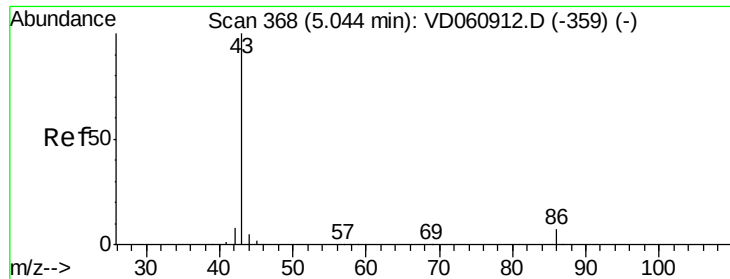
87 18.4 17.0 25.4

59 9.9 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: 299.704 ug/l

RT: 5.04 min Scan# 368

Delta R.T. -0.01 min

Lab File: VD060912.D

Acq: 1 Mar 2019 16:36

Instrument :

MSVOA_D

ClientSampleId :

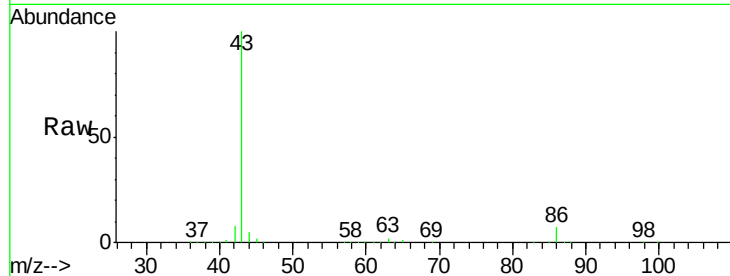
VSTDICCC050

Tot Ion: 43 Resp: 3531109

Ion Ratio Lower Upper

43 100

86 7.3 6.5 9.7



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC

1000000

800000

600000

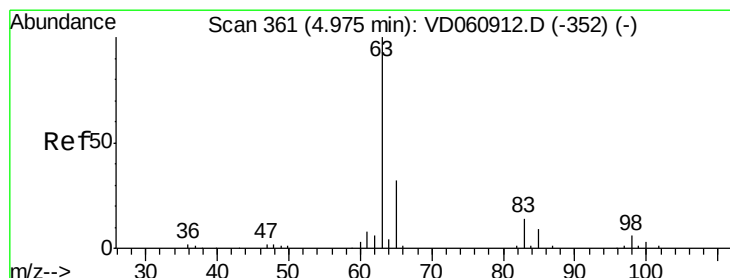
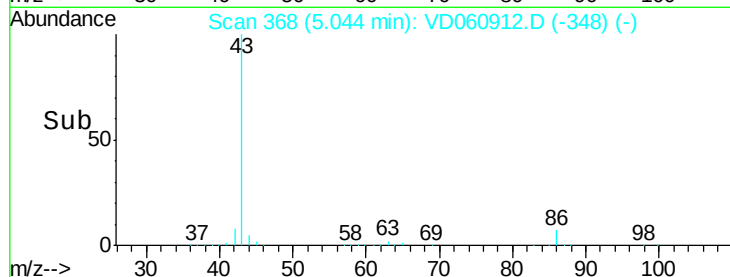
400000

200000

0

Time-->

4.90 5.00 5.10 5.20 5.30



#24

1,1-Dichloroethane

Concen: 62.801 ug/l

RT: 4.97 min Scan# 361

Delta R.T. -0.01 min

Lab File: VD060912.D

Acq: 1 Mar 2019 16:36

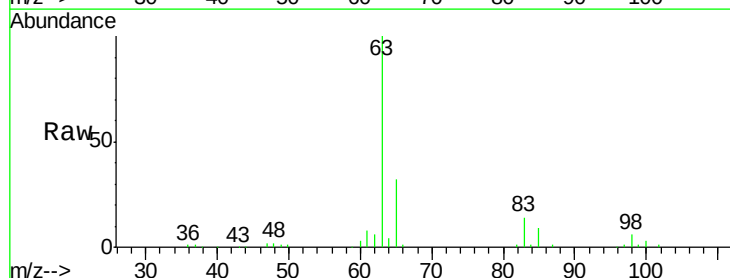
Tgt Ion: 63 Resp: 714292

Ion Ratio Lower Upper

63 100

98 5.9 2.9 8.6

100 3.4 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

250000

200000

150000

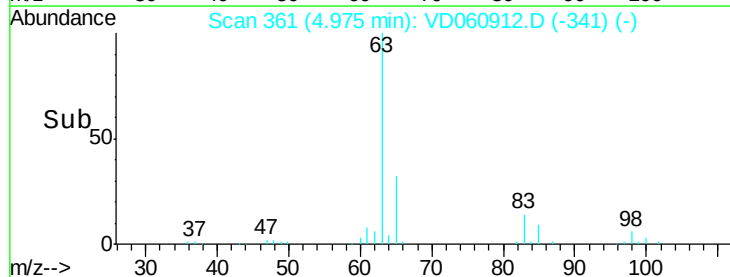
100000

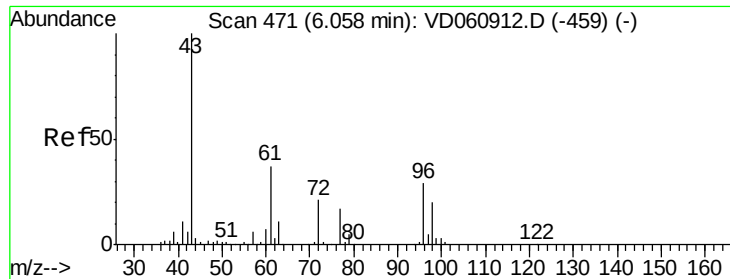
50000

0

Time-->

4.80 4.90 5.00 5.10 5.20





#25

2-Butanone

Concen: 297.679 ug/l

RT: 6.06 min Scan# 471

Delta R.T. -0.01 min

Lab File: VD060912.D

Acq: 1 Mar 2019 16:36

Instrument :

MSVOA_D

ClientSampleId :

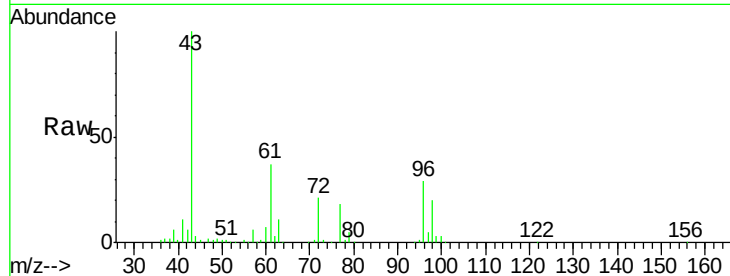
VSTDICCC050

Tot Ion: 43 Resp: 620807

Ion Ratio Lower Upper

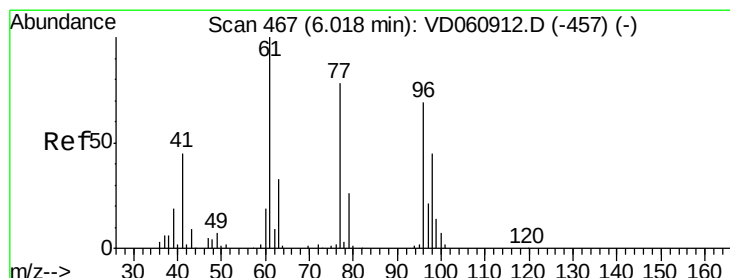
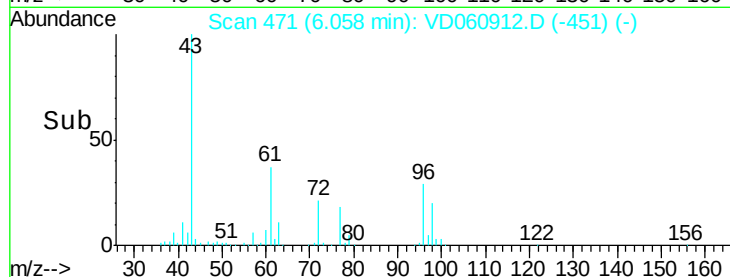
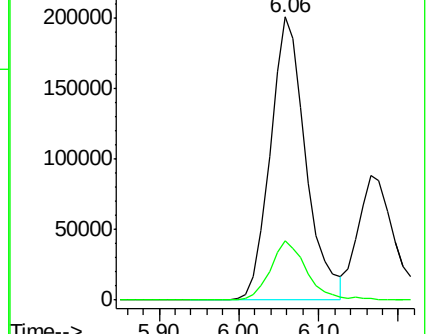
43 100

72 21.2 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: 50.340 ug/l

RT: 6.02 min Scan# 467

Delta R.T. -0.01 min

Lab File: VD060912.D

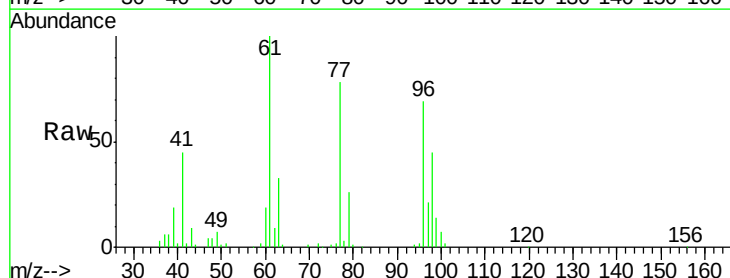
Acq: 1 Mar 2019 16:36

Tgt Ion: 77 Resp: 543542

Ion Ratio Lower Upper

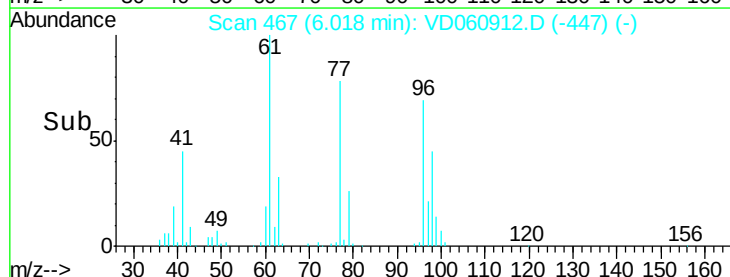
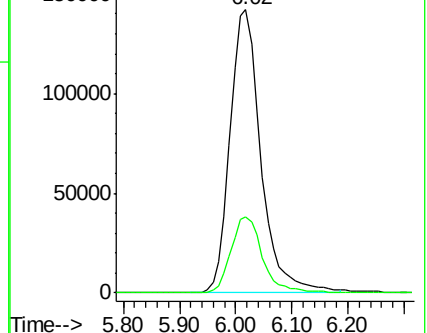
77 100

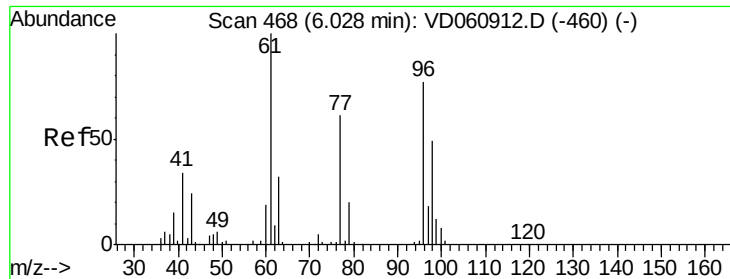
97 26.9 11.7 35.1



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



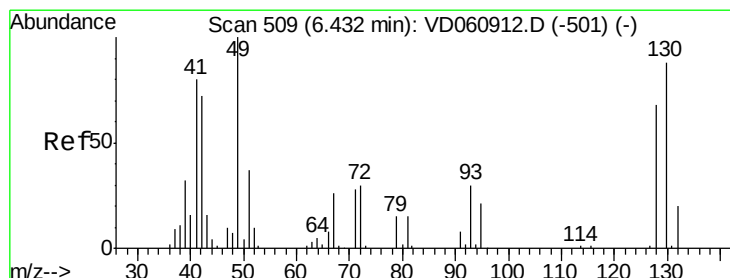
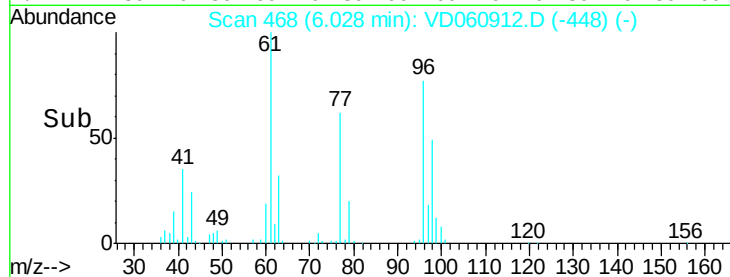
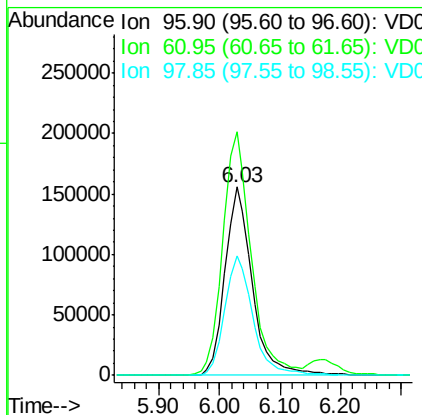
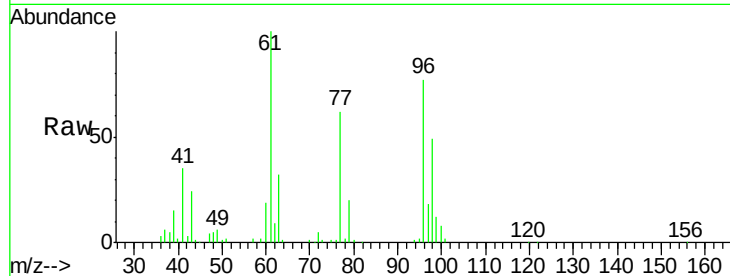


#27

cis-1,2-Dichloroethene
 Concen: 61.694 ug/l
 RT: 6.03 min Scan# 468
 Delta R.T. -0.01 min
 Lab File: VD060912.D
 Acq: 1 Mar 2019 16:36

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

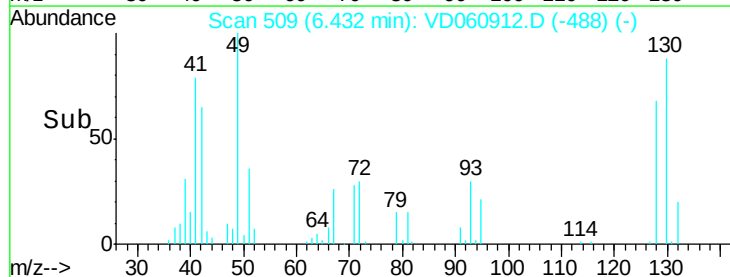
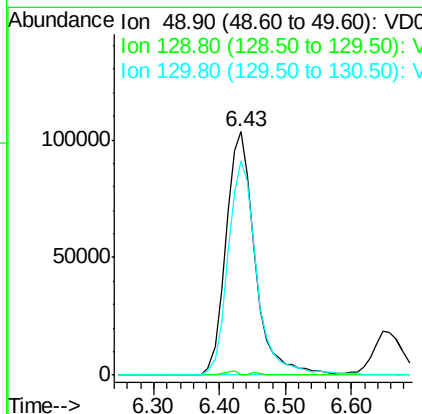
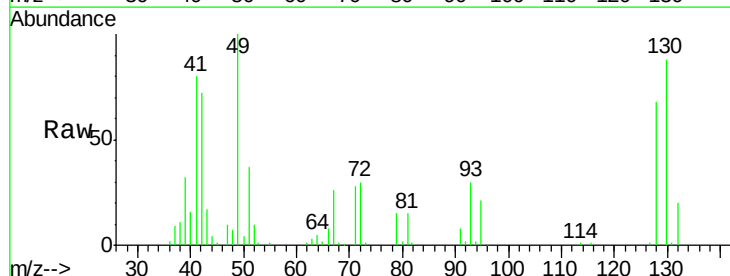
Tot Ion	Ratio	Lower	Upper
96	100		
61	129.4	0.0	259.0
98	63.2	0.0	132.4

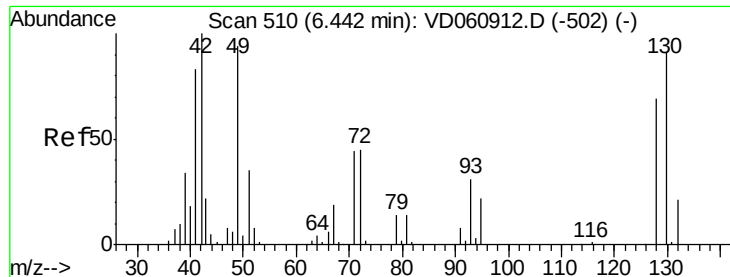


#28

Bromochloromethane
 Concen: 71.400 ug/l
 RT: 6.43 min Scan# 509
 Delta R.T. 0.00 min
 Lab File: VD060912.D
 Acq: 1 Mar 2019 16:36

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	3.8
130	88.0	69.8	104.8

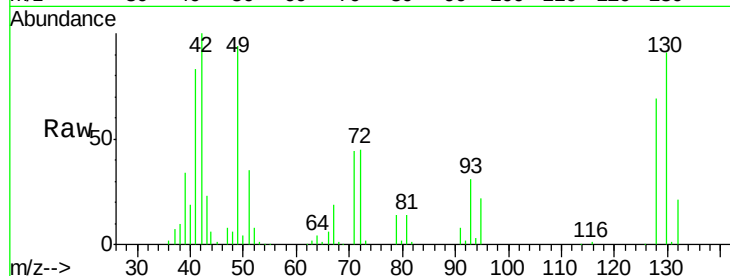




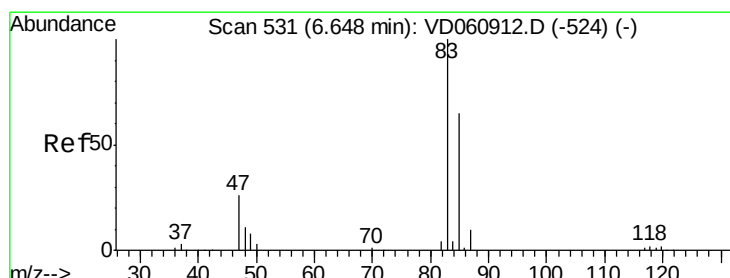
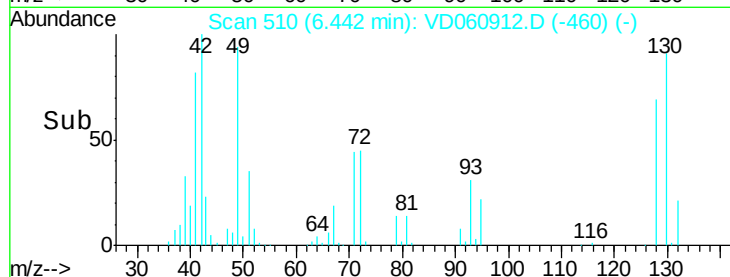
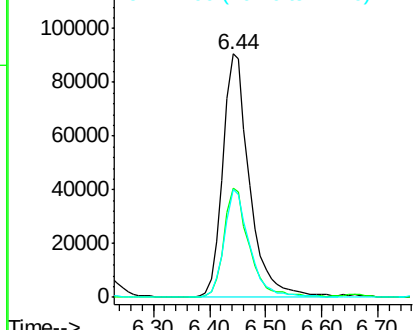
#29
Tetrahydrofuran
Concen: 290.578 ug/l
RT: 6.44 min Scan# 510
Delta R.T. -0.01 min
Lab File: VD060912.D
Acq: 1 Mar 2019 16:36

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion: 42 Resp: 301974
Ion Ratio Lower Upper
42 100
72 42.2 36.2 54.2
71 41.9 35.4 53.0

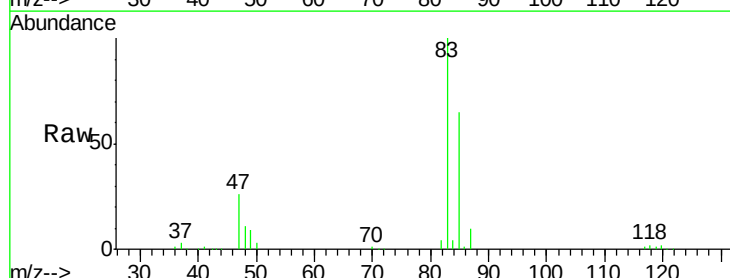


Abundance Ion 42.00 (41.70 to 42.70): VDC
Ion 72.00 (71.70 to 72.70): VDC
Ion 71.00 (70.70 to 71.70): VDC

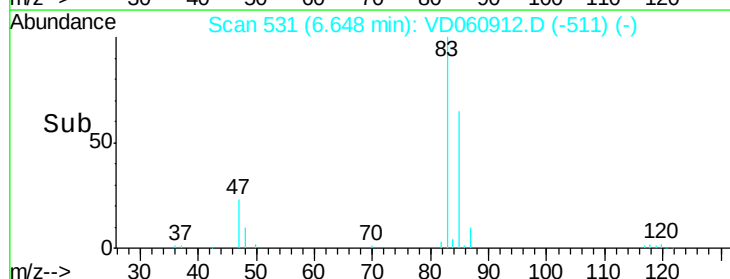
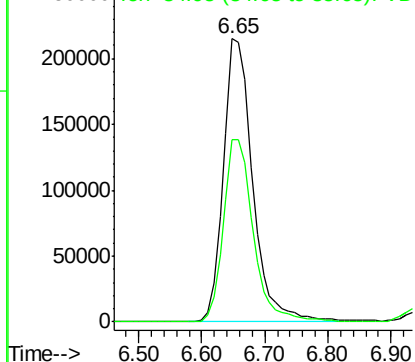


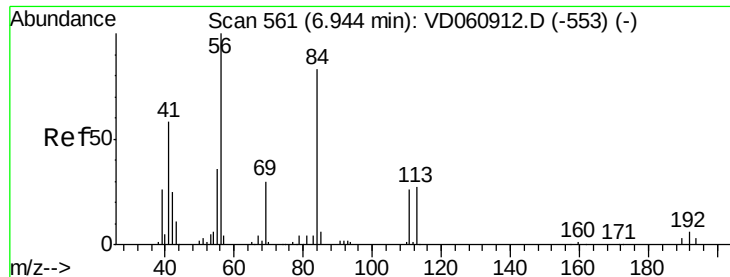
#30
Chloroform
Concen: 51.478 ug/l
RT: 6.65 min Scan# 531
Delta R.T. -0.01 min
Lab File: VD060912.D
Acq: 1 Mar 2019 16:36

Tgt Ion: 83 Resp: 692641
Ion Ratio Lower Upper
83 100
85 64.6 51.5 77.3



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

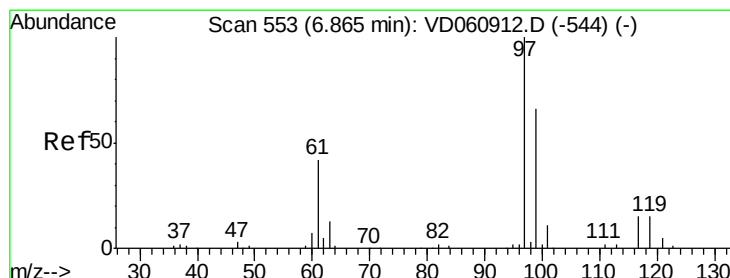
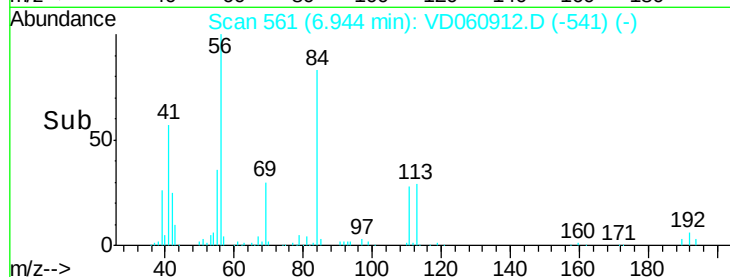
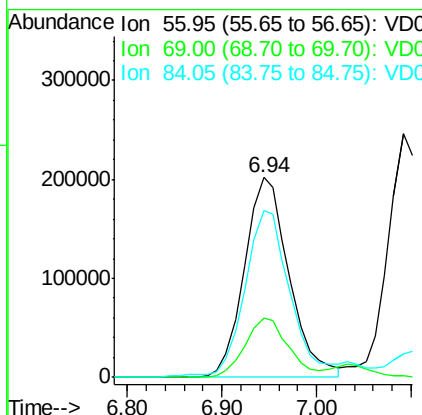
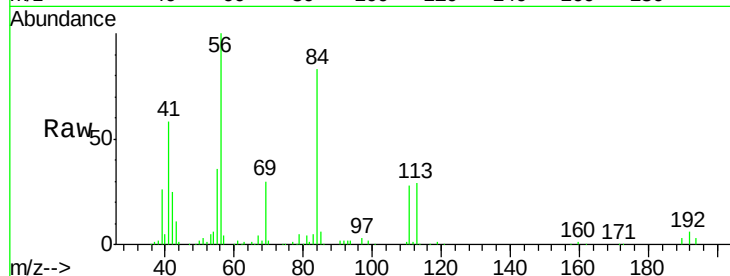




#31
Cyclohexane
Concen: 70.013 ug/l
RT: 6.94 min Scan# 561
Delta R.T. -0.01 min
Lab File: VD060912.D
Acq: 1 Mar 2019 16:36

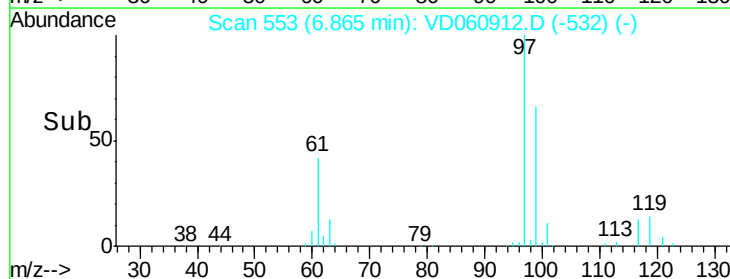
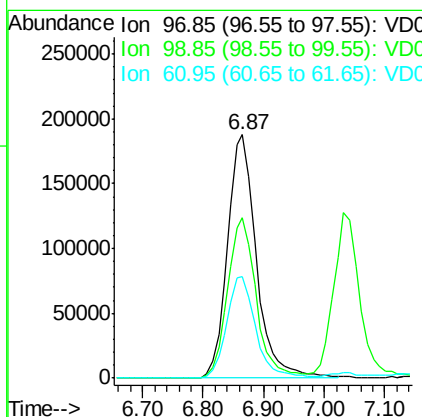
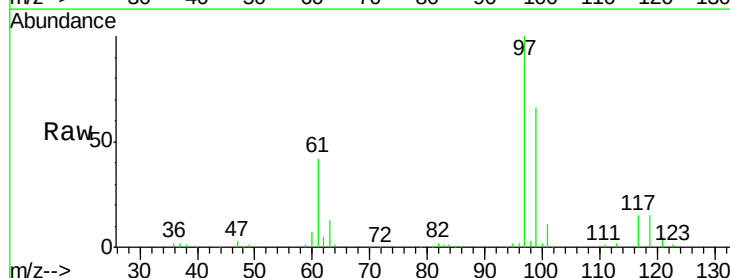
Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

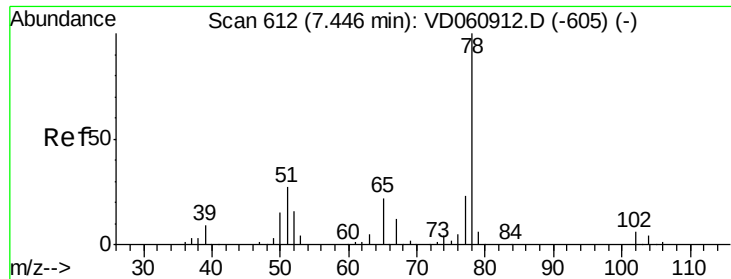
Tot Ion: 56 Resp: 660485
Ion Ratio Lower Upper
56 100
69 29.5 25.3 37.9
84 83.1 78.1 117.1



#32
1,1,1-Trichloroethane
Concen: 59.265 ug/l
RT: 6.87 min Scan# 553
Delta R.T. 0.00 min
Lab File: VD060912.D
Acq: 1 Mar 2019 16:36

Tgt Ion: 97 Resp: 620788
Ion Ratio Lower Upper
97 100
99 66.0 51.0 76.4
61 41.6 31.9 47.9

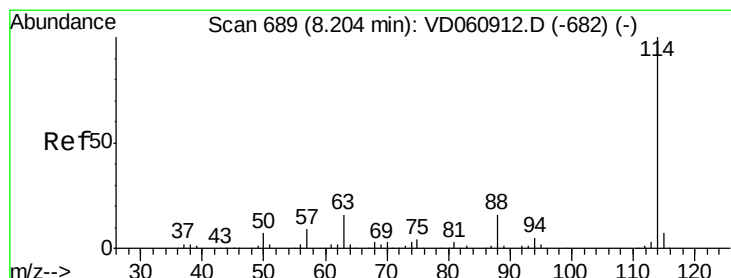
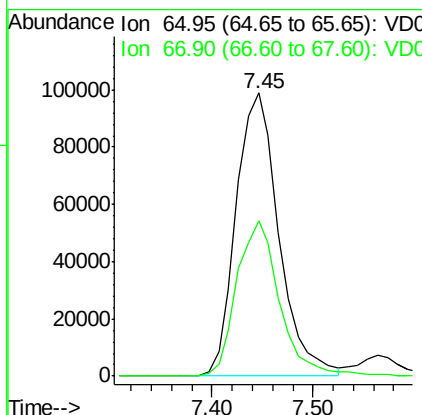
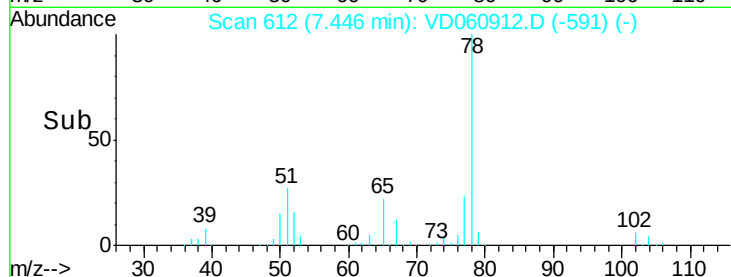
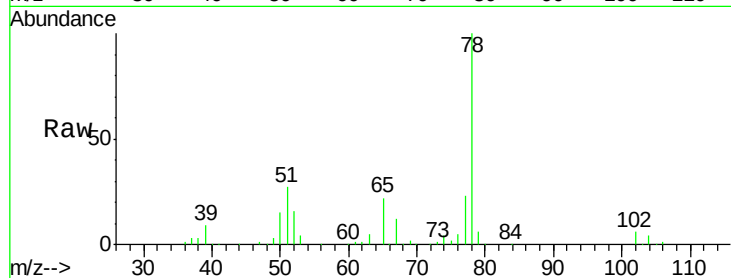




#33
 1,2-Dichloroethane-d4
 Concen: 59.265 ug/l
 RT: 7.45 min Scan# 612
 Delta R.T. 0.00 min
 Lab File: VD060912.D
 Acq: 1 Mar 2019 16:36

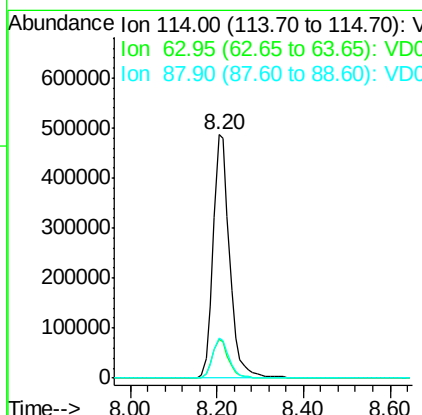
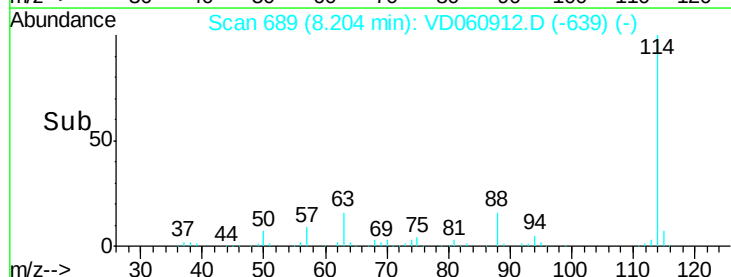
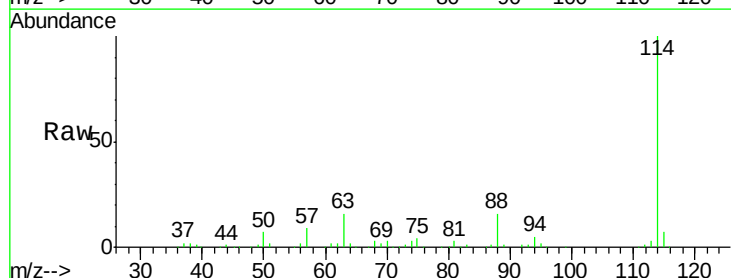
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

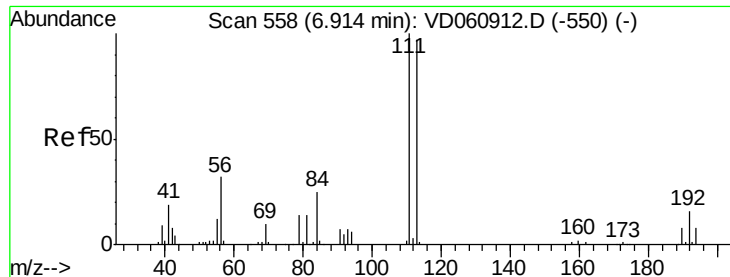
Tot Ion: 65 Resp: 292469
 Ion Ratio Lower Upper
 65 100
 67 54.7 0.0 106.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.20 min Scan# 689
 Delta R.T. -0.01 min
 Lab File: VD060912.D
 Acq: 1 Mar 2019 16:36

Tgt Ion: 114 Resp: 1294657
 Ion Ratio Lower Upper
 114 100
 63 16.0 0.0 34.8
 88 16.4 0.0 39.0





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 6.91 min Scan# 558

Delta R.T. -0.01 min

Lab File: VD060912.D

Acq: 1 Mar 2019 16:36

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

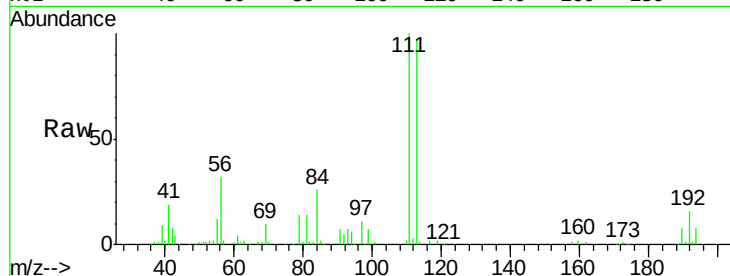
Tot Ion:113 Resp: 517513

Ion Ratio Lower Upper

113 100

111 103.3 81.9 122.9

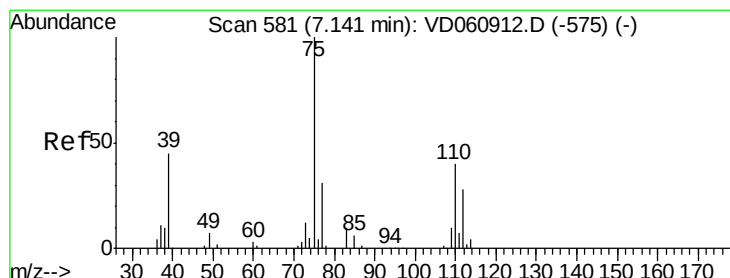
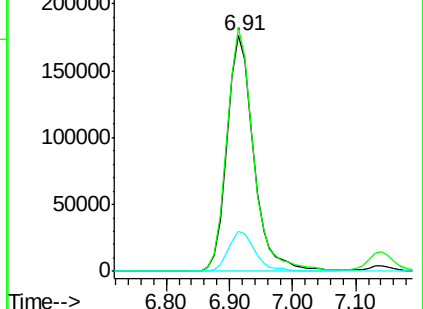
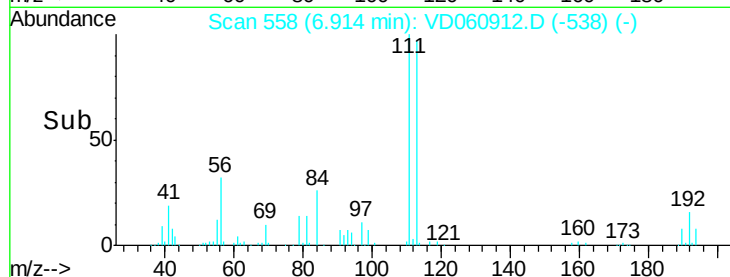
192 16.8 16.9 25.3#



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: 41.452 ug/l

RT: 7.14 min Scan# 581

Delta R.T. 0.00 min

Lab File: VD060912.D

Acq: 1 Mar 2019 16:36

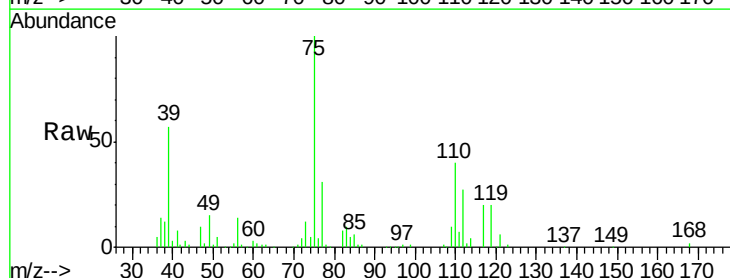
Tgt Ion: 75 Resp: 561473

Ion Ratio Lower Upper

75 100

110 39.8 16.8 50.3

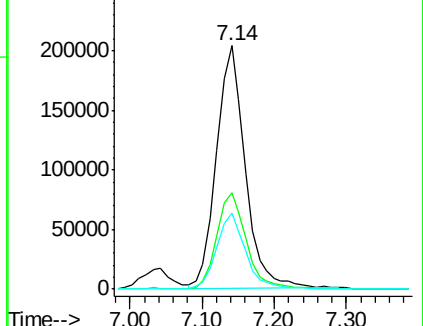
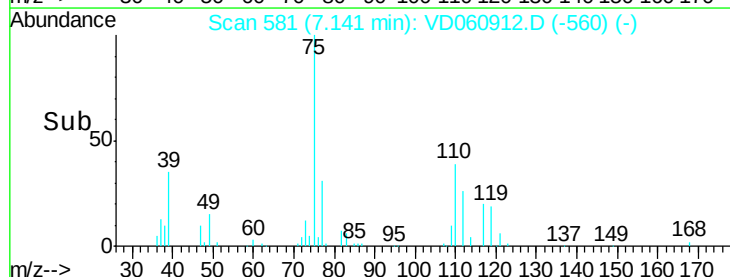
77 31.3 25.8 38.8

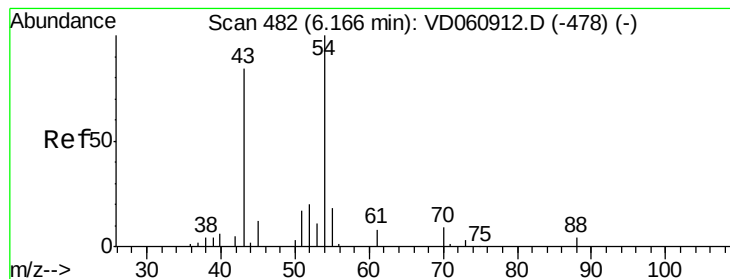


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): V





#37

Ethyl Acetate

Concen: 44.008 ug/l

RT: 6.17 min Scan# 482

Delta R.T. -0.01 min

Lab File: VD060912.D

Acq: 1 Mar 2019 16:36

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

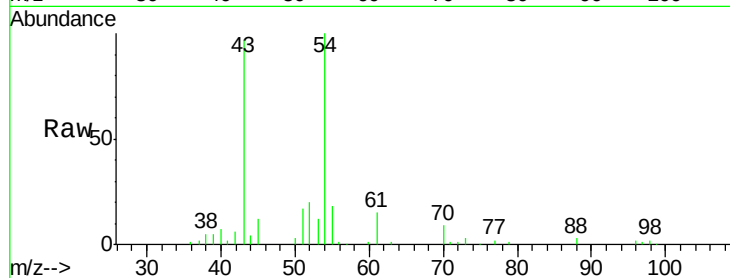
Tot Ion: 43 Resp: 280243

Ion Ratio Lower Upper

43 100

61 15.1 12.5 18.7

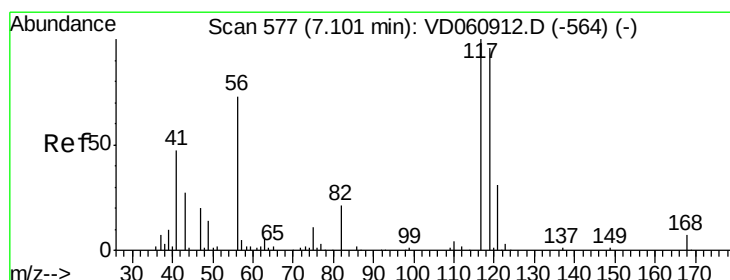
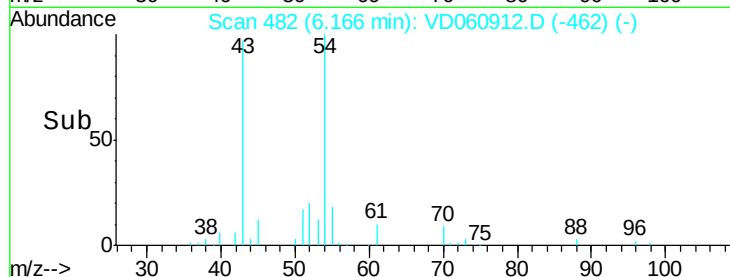
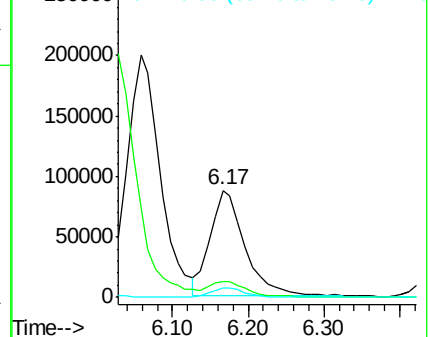
70 9.1 7.9 11.9



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: 51.347 ug/l

RT: 7.10 min Scan# 577

Delta R.T. -0.01 min

Lab File: VD060912.D

Acq: 1 Mar 2019 16:36

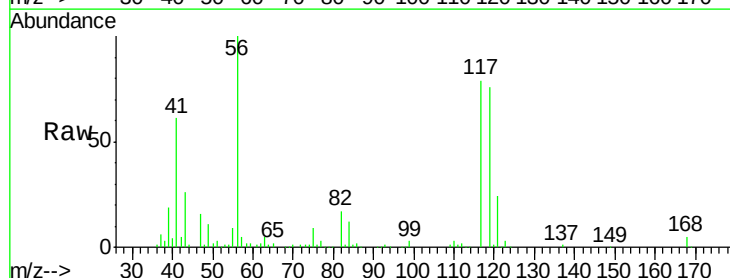
Tgt Ion: 117 Resp: 645354

Ion Ratio Lower Upper

117 100

119 96.1 77.2 115.8

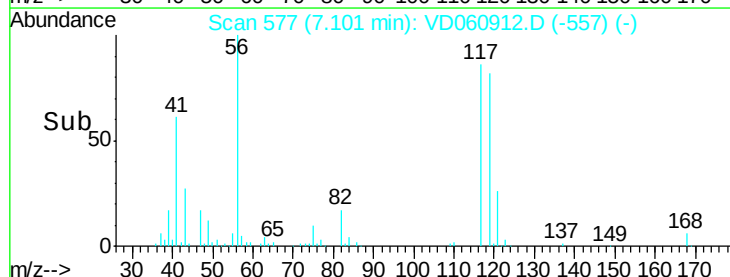
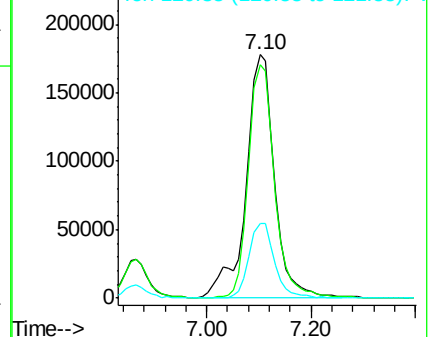
121 30.6 25.0 37.4

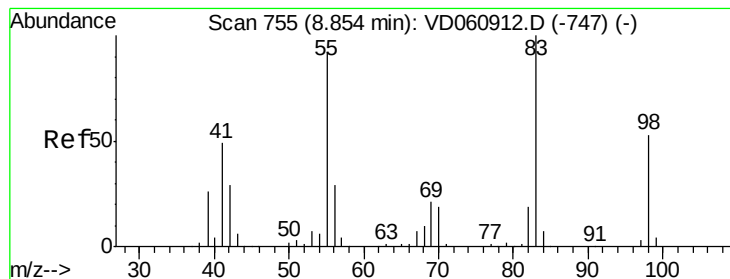


Abundance Ion 116.85 (116.55 to 117.55): V

Ion 118.85 (118.55 to 119.55): V

Ion 120.85 (120.55 to 121.55): V





#39

Methylvlcyclohexane

Concen: 44.329 ug/l

RT: 8.85 min Scan# 755

Delta R.T. 0.00 min

Lab File: VD060912.D

Acq: 1 Mar 2019 16:36

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

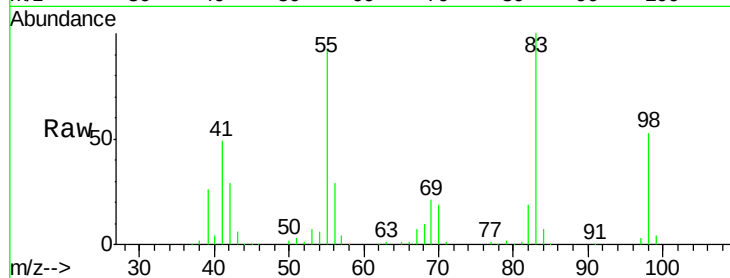
Tot Ion: 83 Resp: 638282

Ion Ratio Lower Upper

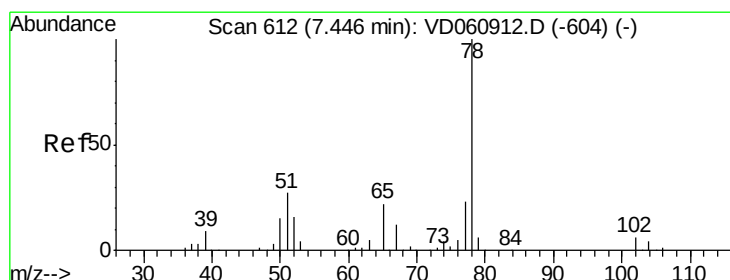
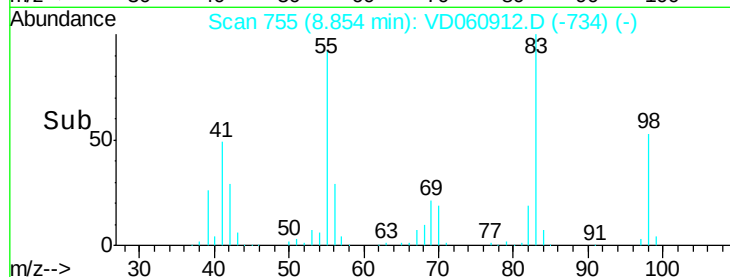
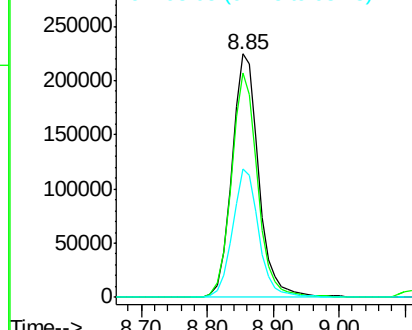
83 100

55 92.3 58.8 88.2#

98 53.0 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: 41.663 ug/l

RT: 7.45 min Scan# 612

Delta R.T. 0.00 min

Lab File: VD060912.D

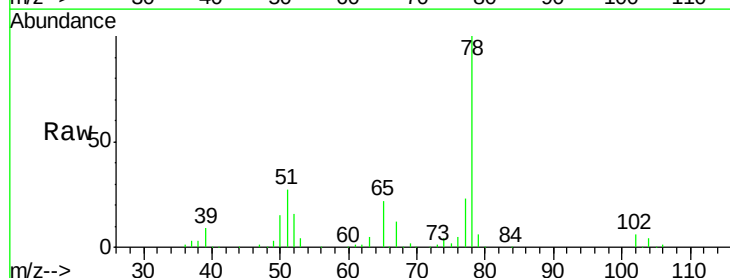
Acq: 1 Mar 2019 16:36

Tgt Ion: 78 Resp: 1402489

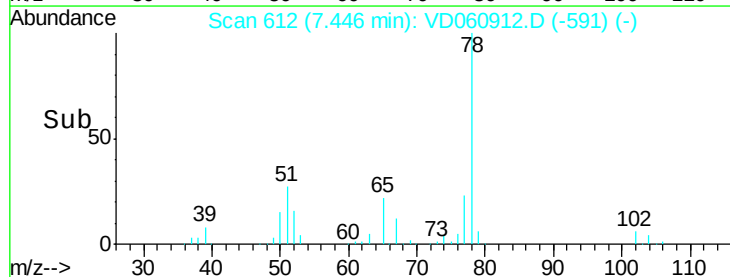
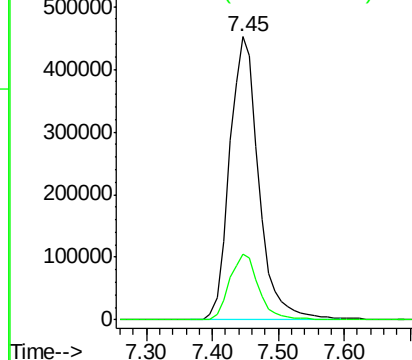
Ion Ratio Lower Upper

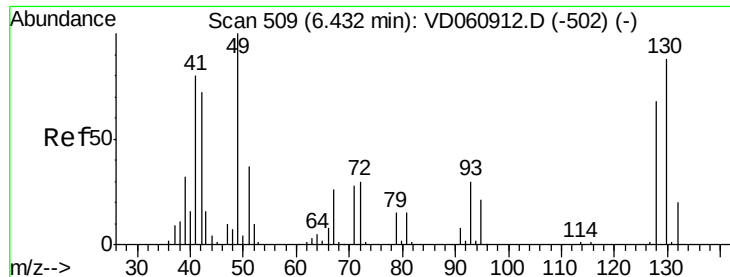
78 100

77 23.0 18.9 28.3



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

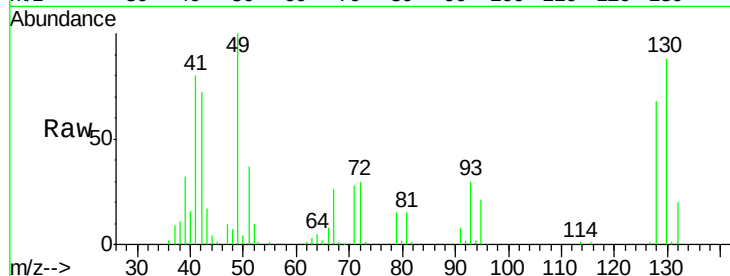




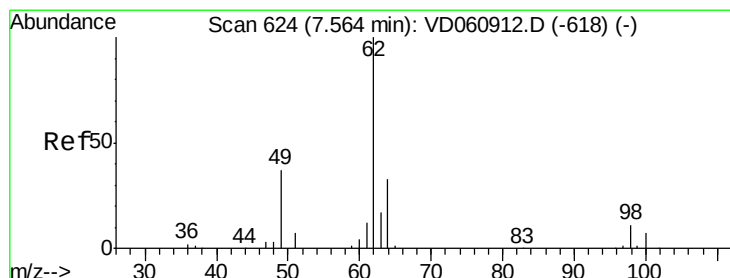
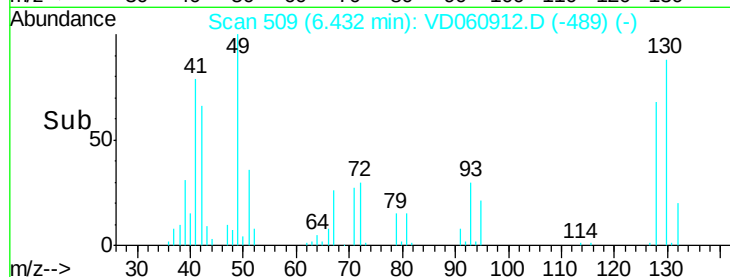
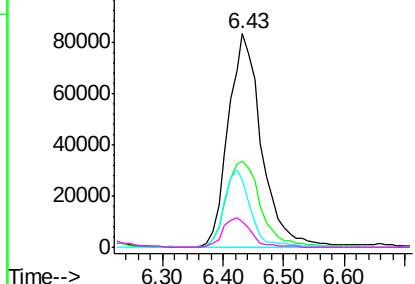
#41
Methacrylonitrile
Concen: 92.318 ug/l
RT: 6.43 min Scan# 509
Delta R.T. -0.01 min
Lab File: VD060912.D
Acq: 1 Mar 2019 16:36

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion: 41 Resp: 317598
Ion Ratio Lower Upper
41 100
39 40.1 36.9 55.3
67 32.0 24.9 37.3
52 12.1 10.1 15.1

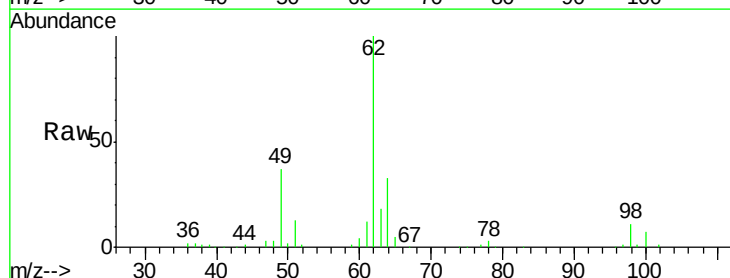


Abundance Ion 40.95 (40.65 to 41.65): VDC
Ion 38.95 (38.65 to 39.65): VDC
Ion 67.00 (66.70 to 67.70): VDC
Ion 52.00 (51.70 to 52.70): VDC

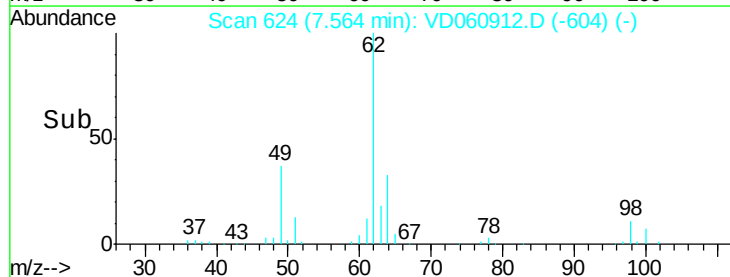
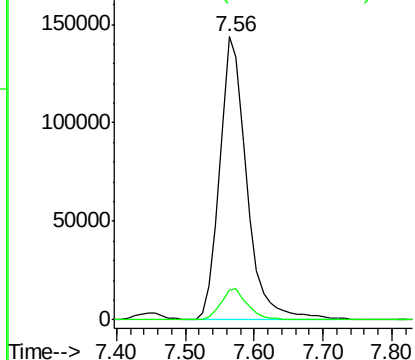


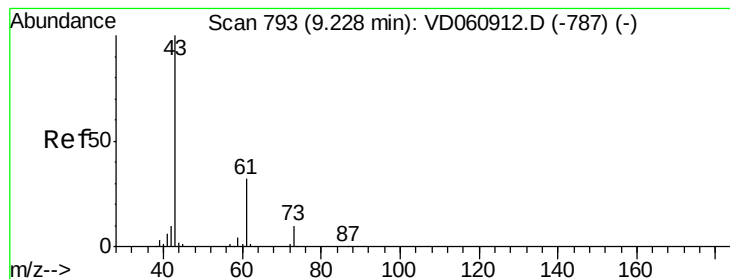
#42
1,2-Dichloroethane
Concen: 42.898 ug/l
RT: 7.56 min Scan# 624
Delta R.T. -0.01 min
Lab File: VD060912.D
Acq: 1 Mar 2019 16:36

Tgt Ion: 62 Resp: 392745
Ion Ratio Lower Upper
62 100
98 10.7 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: 46.436 ug/l

RT: 9.23 min Scan# 793

Delta R.T. -0.01 min

Lab File: VD060912.D

Acq: 1 Mar 2019 16:36

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

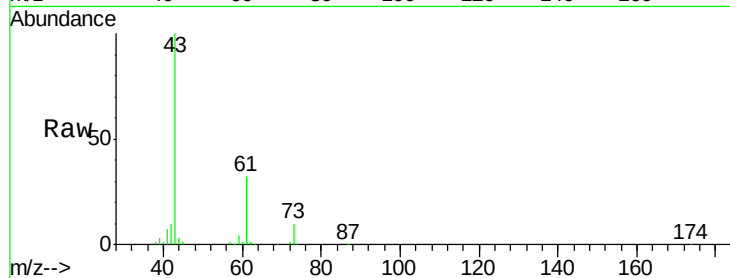
Tot Ion: 43 Resp: 418865

Ion Ratio Lower Upper

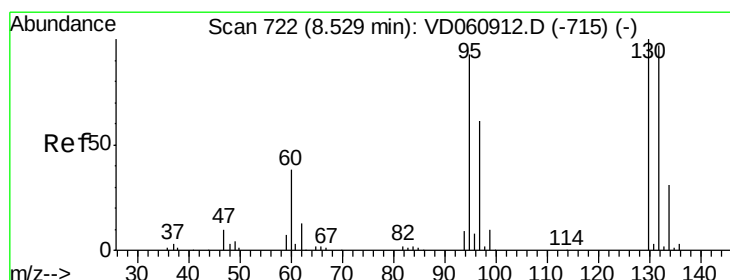
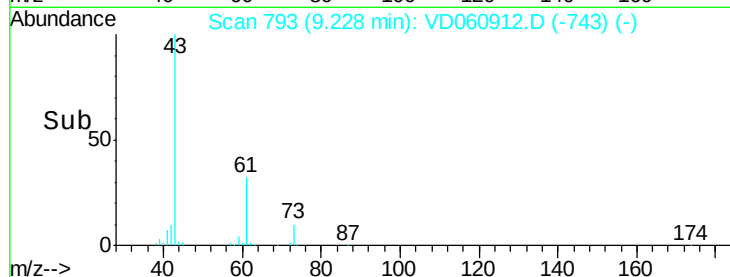
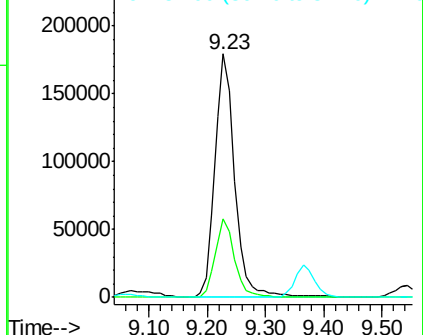
43 100

61 32.0 25.4 38.2

87 0.3 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: 46.681 ug/l

RT: 8.53 min Scan# 722

Delta R.T. -0.01 min

Lab File: VD060912.D

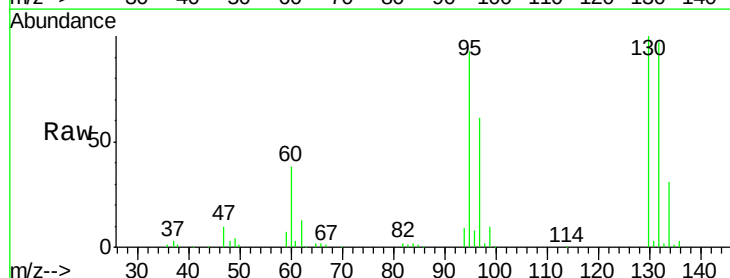
Acq: 1 Mar 2019 16:36

Tgt Ion:130 Resp: 512435

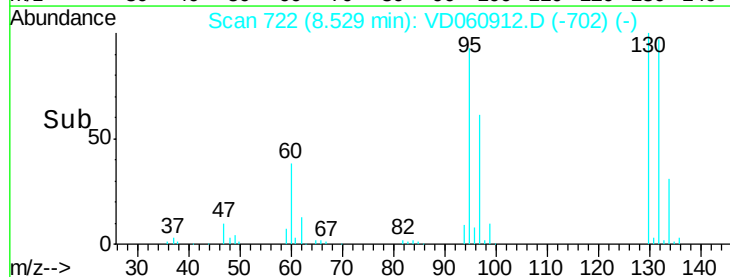
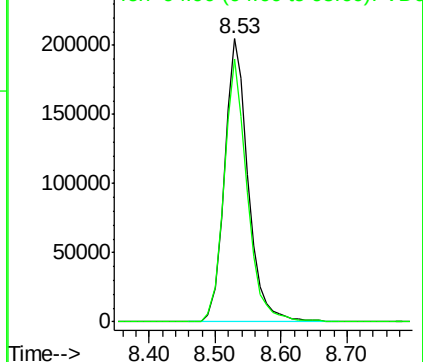
Ion Ratio Lower Upper

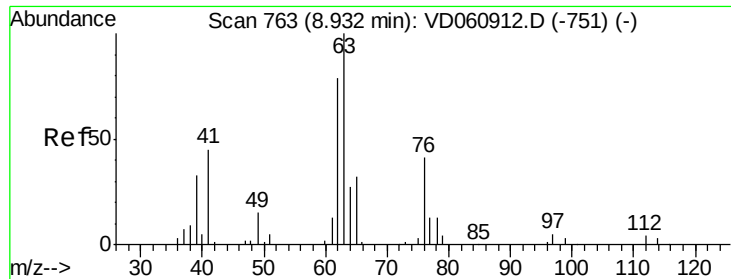
130 100

95 92.9 0.0 179.6



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

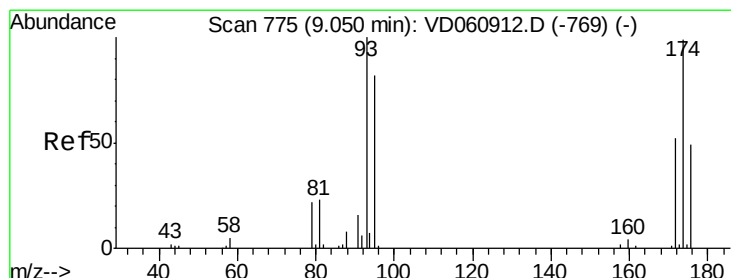
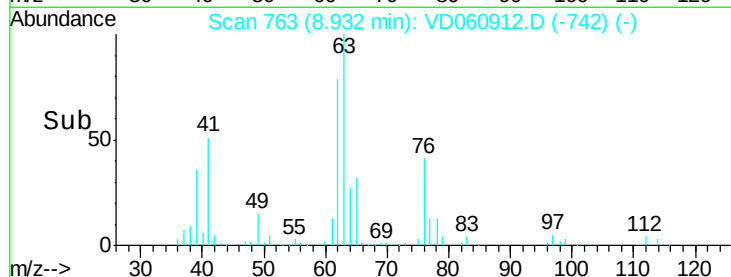
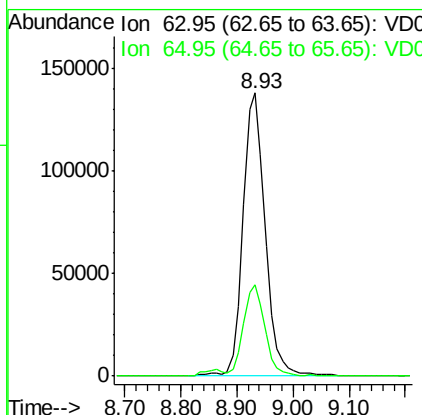
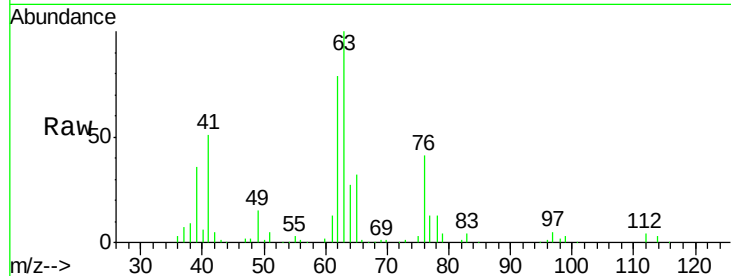




#45
 1,2-Dichloropropane
 Concen: 48.155 ug/l
 RT: 8.93 min Scan# 763
 Delta R.T. 0.00 min
 Lab File: VD060912.D
 Acq: 1 Mar 2019 16:36

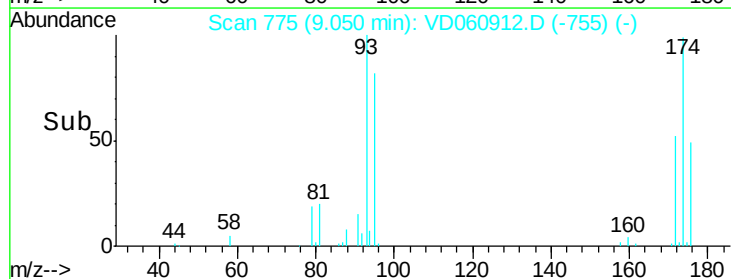
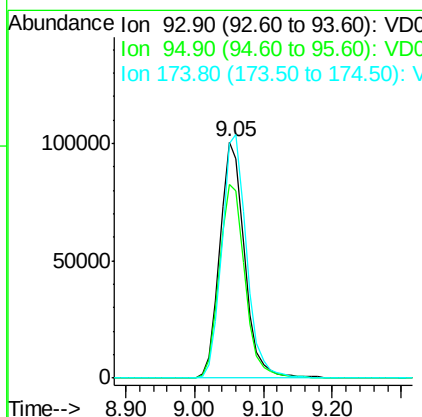
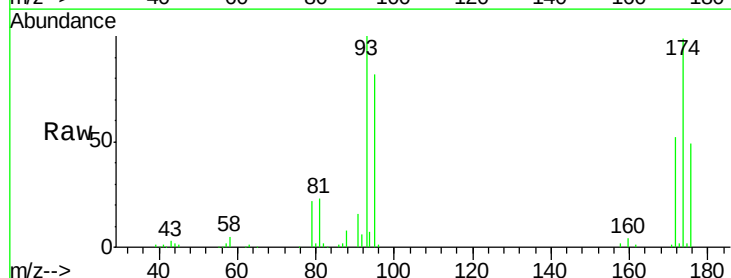
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

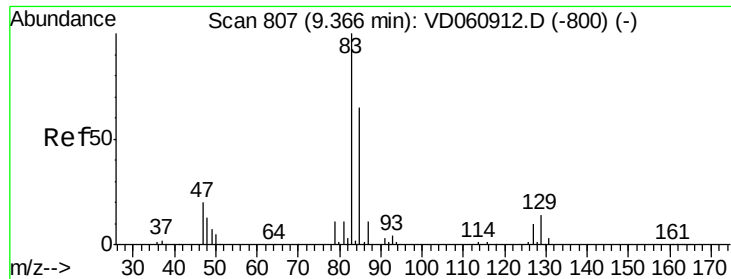
Tot Ion: 63 Resp: 378654
 Ion Ratio Lower Upper
 63 100
 65 32.2 24.6 36.8



#46
 Dibromomethane
 Concen: 44.347 ug/l
 RT: 9.05 min Scan# 775
 Delta R.T. -0.01 min
 Lab File: VD060912.D
 Acq: 1 Mar 2019 16:36

Tgt Ion: 93 Resp: 250558
 Ion Ratio Lower Upper
 93 100
 95 82.2 64.0 96.0
 174 99.4 93.1 139.7





#47

Bromodichloromethane

Concen: 40.129 ug/l

RT: 9.37 min Scan# 807

Delta R.T. 0.00 min

Lab File: VD060912.D

Acq: 1 Mar 2019 16:36

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

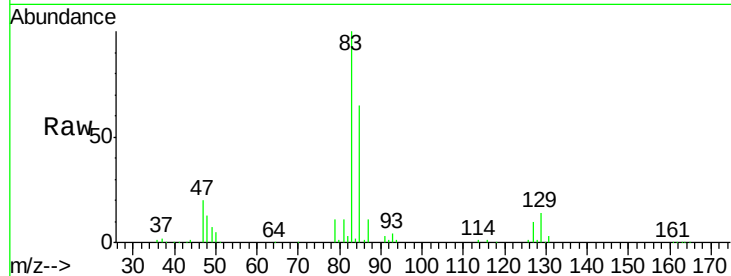
Tot Ion: 83 Resp: 537705

Ion Ratio Lower Upper

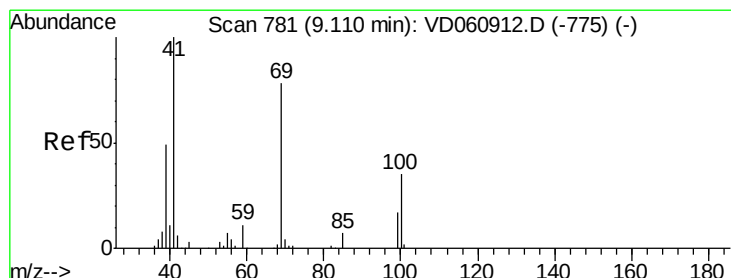
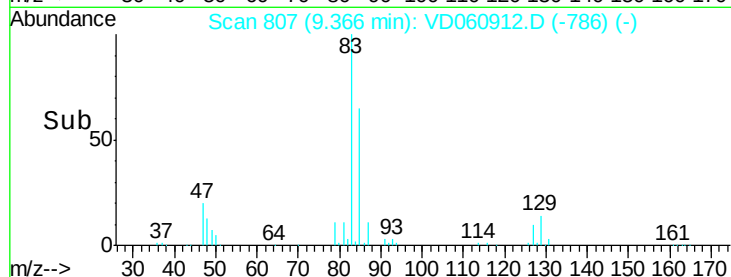
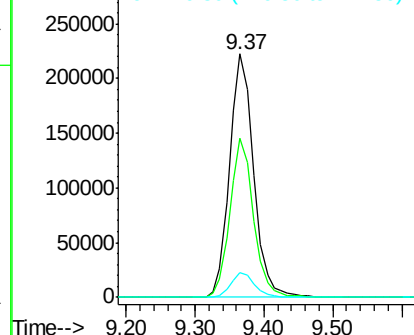
83 100

85 65.3 50.8 76.2

127 10.3 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): VDC



#48

Methyl methacrylate

Concen: 43.364 ug/l

RT: 9.11 min Scan# 781

Delta R.T. -0.01 min

Lab File: VD060912.D

Acq: 1 Mar 2019 16:36

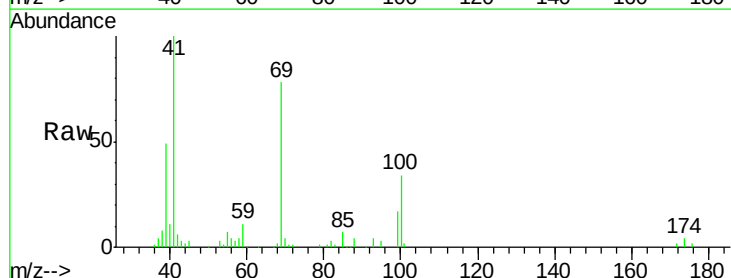
Tgt Ion: 41 Resp: 225197

Ion Ratio Lower Upper

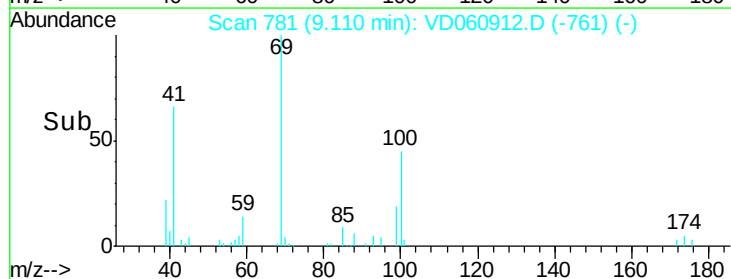
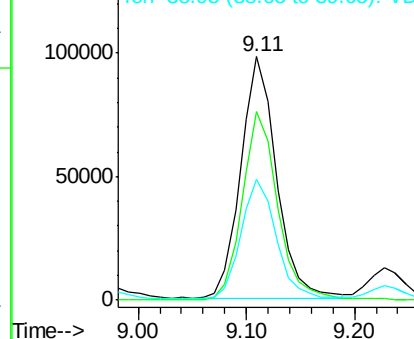
41 100

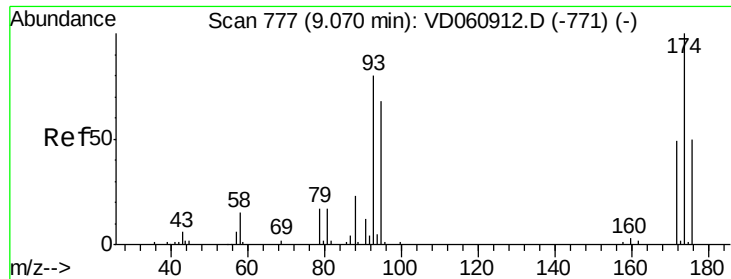
69 77.6 61.4 92.2

39 49.4 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

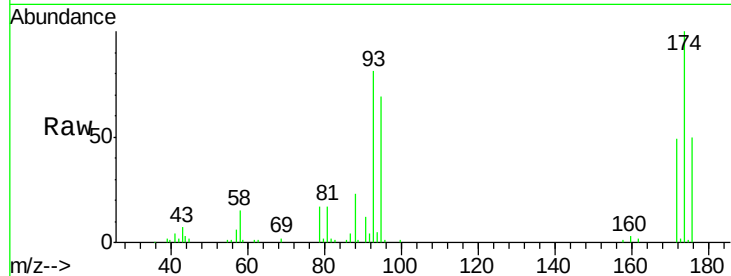




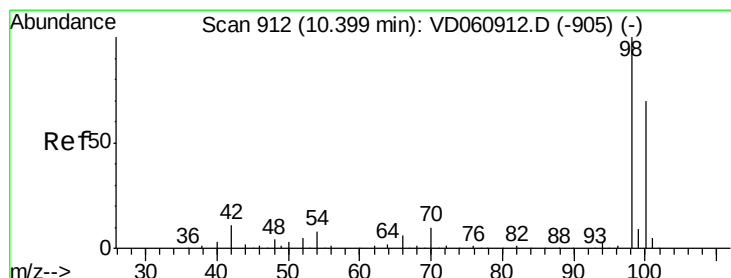
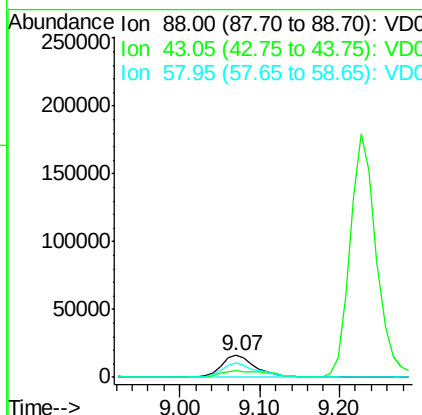
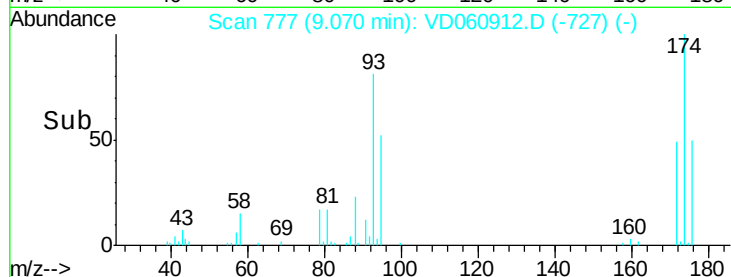
#49
1,4-Dioxane
Concen: 928.892 ug/l
RT: 9.07 min Scan# 777
Delta R.T. -0.01 min
Lab File: VD060912.D
Acq: 1 Mar 2019 16:36

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion: 88 Resp: 50534
Ion Ratio Lower Upper
88 100
43 30.3 20.3 30.5
58 63.9 40.6 61.0#

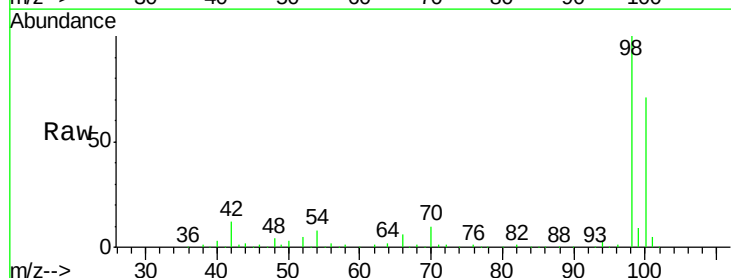


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 57.95 (57.65 to 58.65): VDC

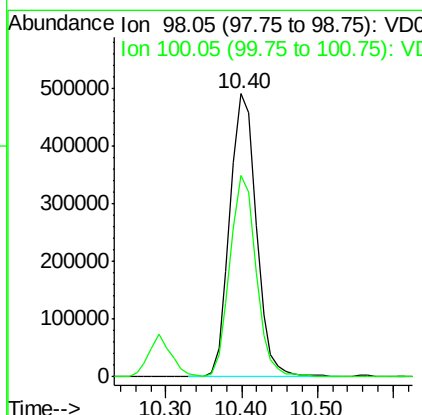
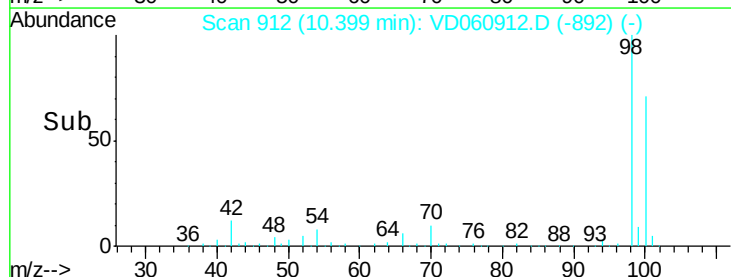


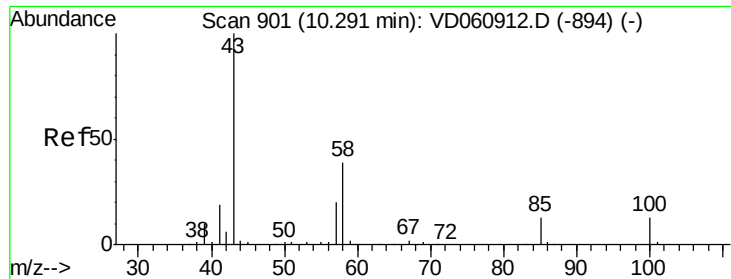
#50
Toluene-d8
Concen: 928.892 ug/l
RT: 10.40 min Scan# 912
Delta R.T. -0.01 min
Lab File: VD060912.D
Acq: 1 Mar 2019 16:36

Tgt Ion: 98 Resp: 1194205
Ion Ratio Lower Upper
98 100
100 71.2 55.3 82.9



Abundance Ion 98.05 (97.75 to 98.75): VDC
Ion 100.05 (99.75 to 100.75): VDC





#51

4-Methyl-2-Pentanone

Concen: 218.713 ug/l

RT: 10.29 min Scan# 901

Delta R.T. 0.00 min

Lab File: VD060912.D

Acq: 1 Mar 2019 16:36

Instrument :

MSVOA_D

ClientSampleId :

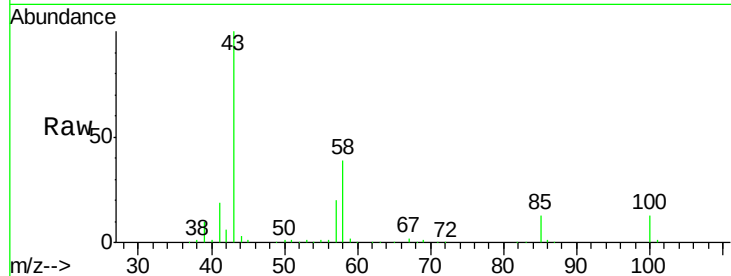
VSTDICCC050

Tot Ion: 43 Resp: 1216985

Ion Ratio Lower Upper

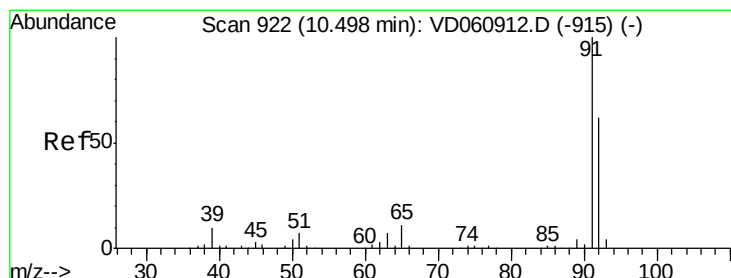
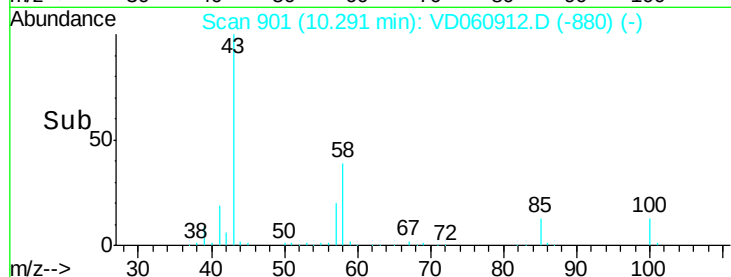
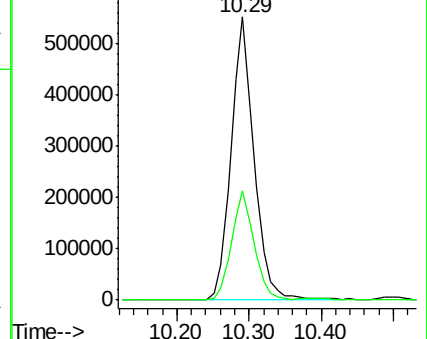
43 100

58 38.8 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: 46.490 ug/l

RT: 10.50 min Scan# 922

Delta R.T. 0.00 min

Lab File: VD060912.D

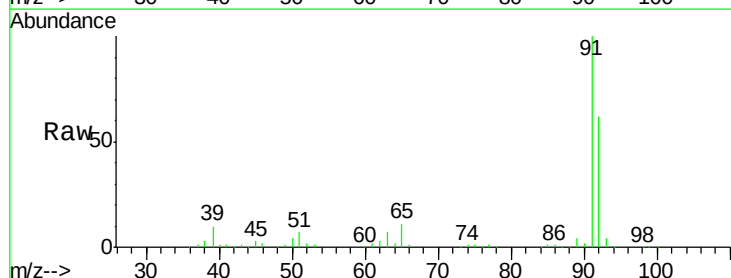
Acq: 1 Mar 2019 16:36

Tgt Ion: 92 Resp: 906397

Ion Ratio Lower Upper

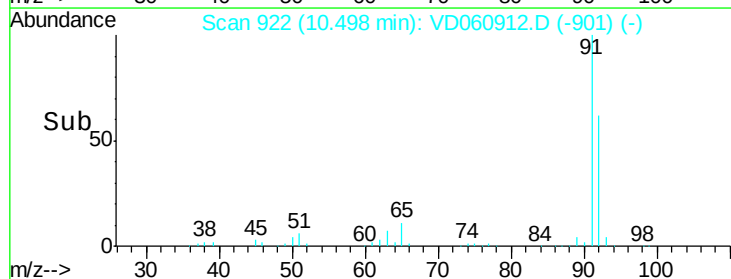
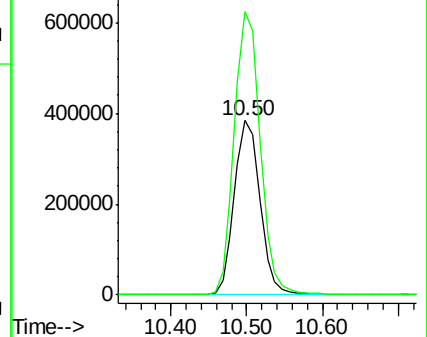
92 100

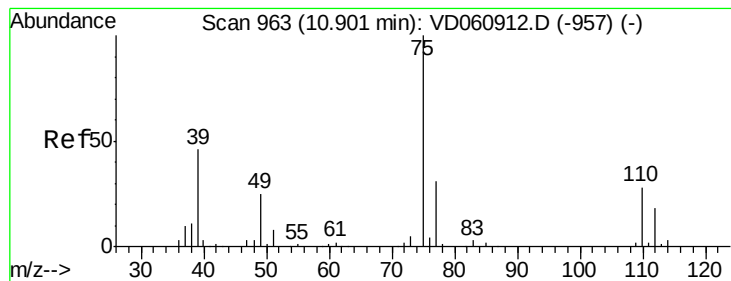
91 162.4 132.1 198.1



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: 40.529 ug/l

RT: 10.90 min Scan# 963

Delta R.T. -0.01 min

Lab File: VD060912.D

Acq: 1 Mar 2019 16:36

Instrument :

MSVOA_D

ClientSampleId :

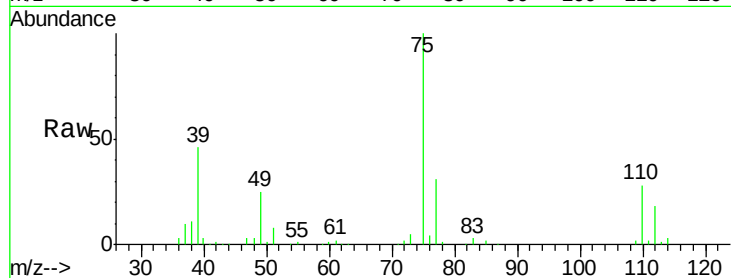
VSTDICCC050

Tot Ion: 75 Resp: 501321

Ion Ratio Lower Upper

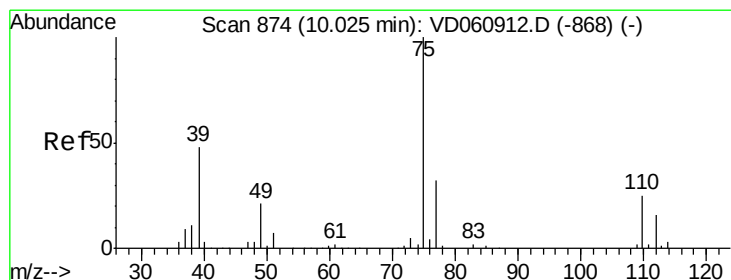
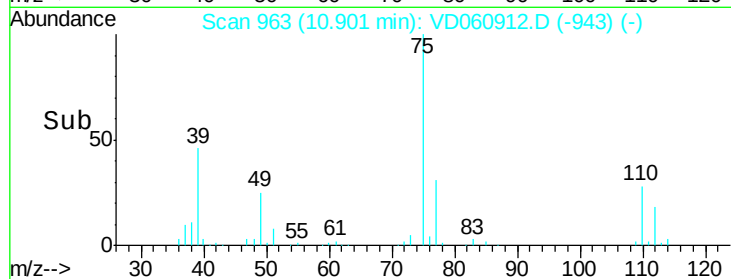
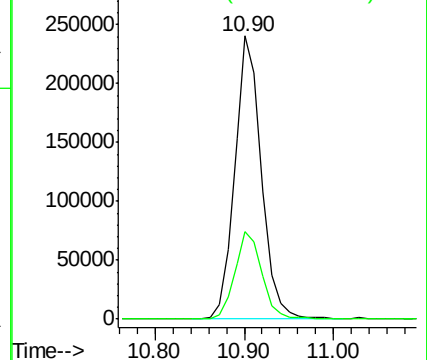
75 100

77 31.1 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: 43.423 ug/l

RT: 10.03 min Scan# 874

Delta R.T. -0.01 min

Lab File: VD060912.D

Acq: 1 Mar 2019 16:36

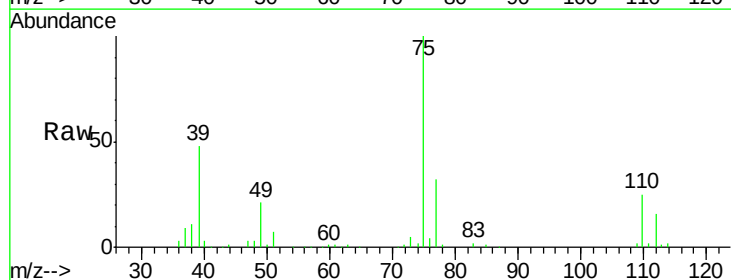
Tgt Ion: 75 Resp: 618819

Ion Ratio Lower Upper

75 100

77 31.6 26.1 39.1

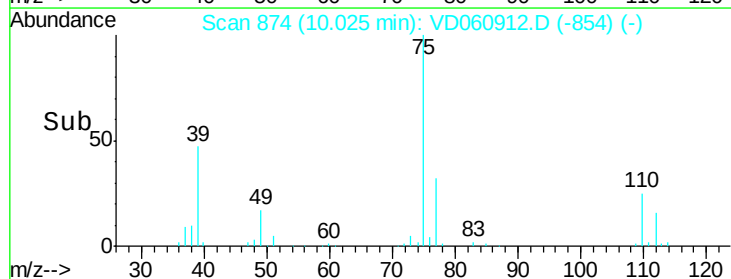
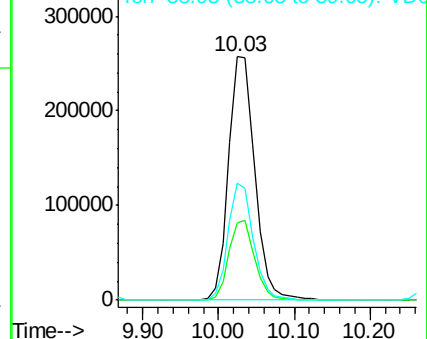
39 47.8 36.6 54.8

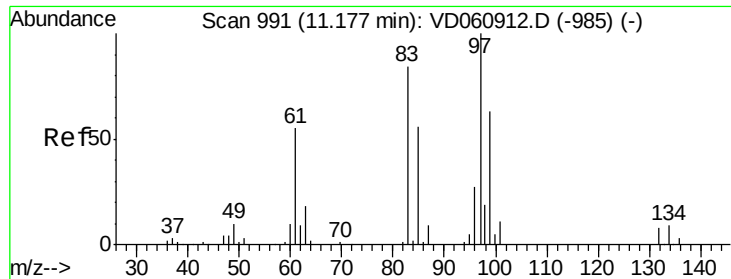


Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

Ion 38.95 (38.65 to 39.65): VDC

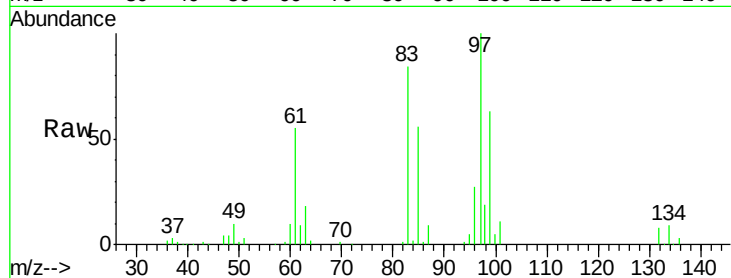




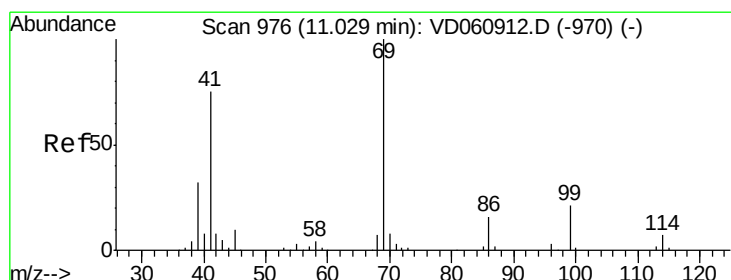
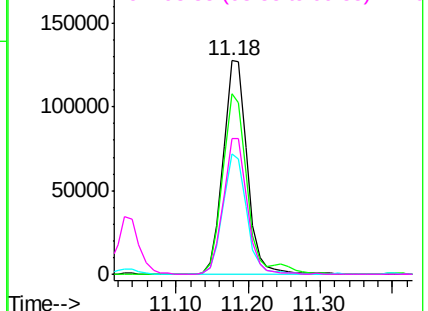
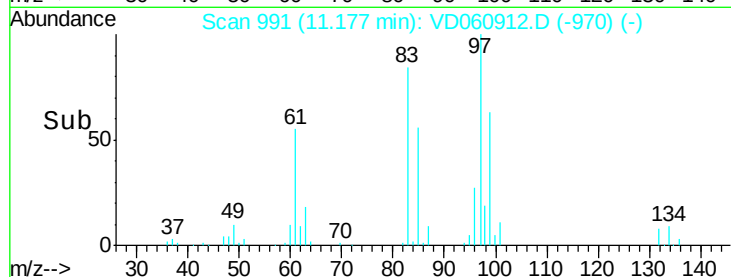
#55
 1,1,2-Trichloroethane
 Concen: 44.040 ug/l
 RT: 11.18 min Scan# 991
 Delta R.T. 0.00 min
 Lab File: VD060912.D
 Acq: 1 Mar 2019 16:36

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

Tot Ion: 97 Resp: 294525
 Ion Ratio Lower Upper
 97 100
 83 84.4 73.0 109.6
 85 56.1 47.6 71.4
 99 63.3 47.9 71.9

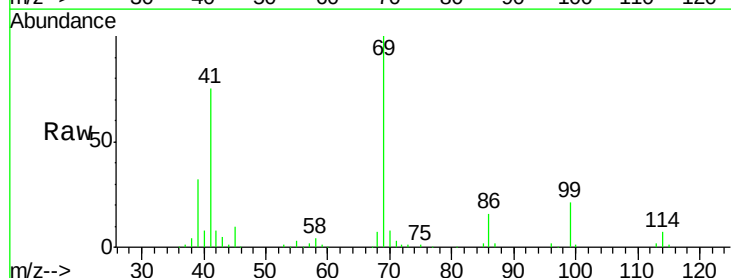


Abundance Ion 96.85 (96.55 to 97.55): VDC
 Ion 82.95 (82.65 to 83.65): VDC
 Ion 84.95 (84.65 to 85.65): VDC
 Ion 98.85 (98.55 to 99.55): VDC

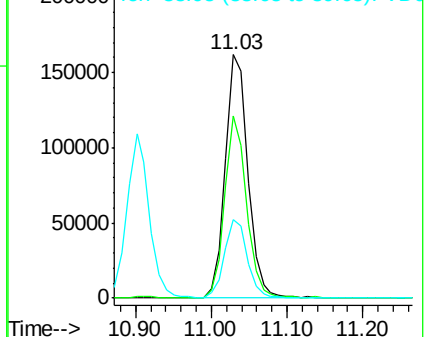
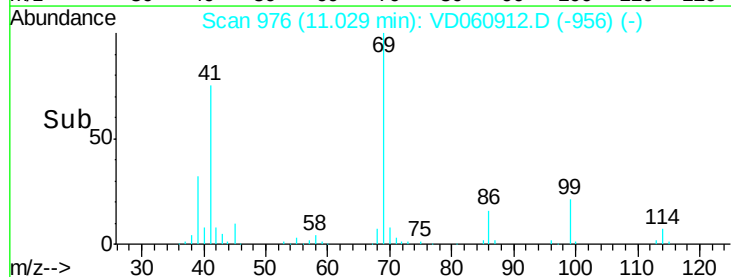


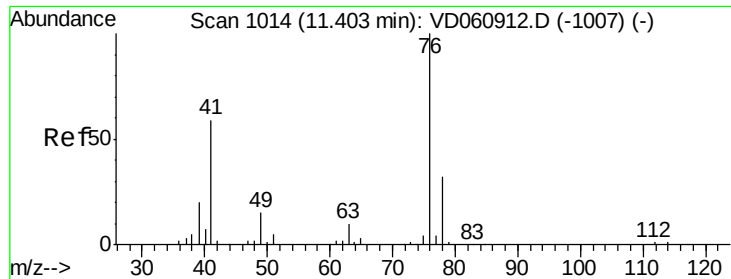
#56
 Ethyl methacrylate
 Concen: 44.021 ug/l
 RT: 11.03 min Scan# 976
 Delta R.T. -0.01 min
 Lab File: VD060912.D
 Acq: 1 Mar 2019 16:36

Tgt Ion: 69 Resp: 335023
 Ion Ratio Lower Upper
 69 100
 41 74.9 58.2 87.2
 39 32.1 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

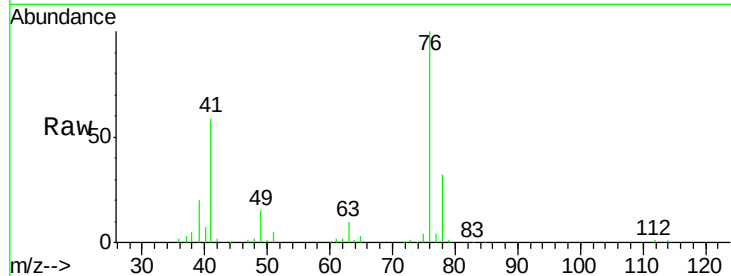




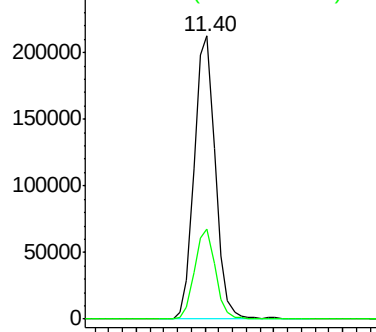
#57
 1,3-Dichloropropane
 Concen: 40.814 ug/l
 RT: 11.40 min Scan# 1014
 Delta R.T. 0.00 min
 Lab File: VD060912.D
 Acq: 1 Mar 2019 16:36

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

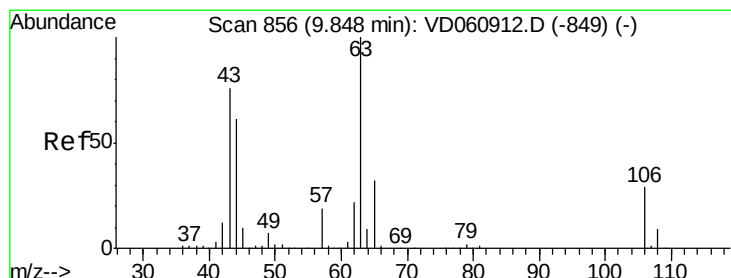
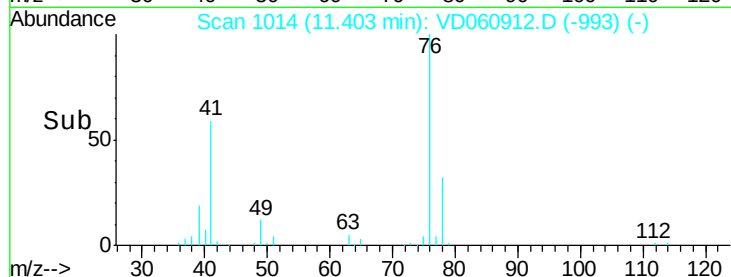
Tot Ion: 76 Resp: 449535
 Ion Ratio Lower Upper
 76 100
 78 32.0 25.2 37.8



Abundance Ion 75.95 (75.65 to 76.65): VDC
 Ion 77.95 (77.65 to 78.65): VDC

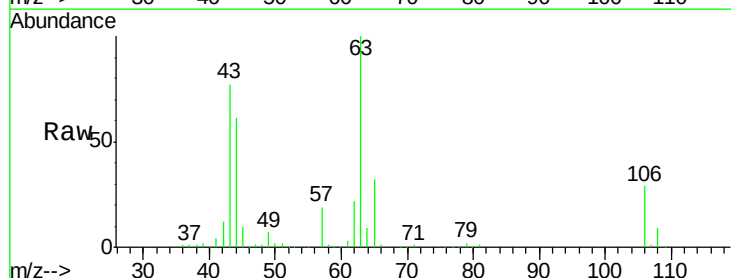


Time-->

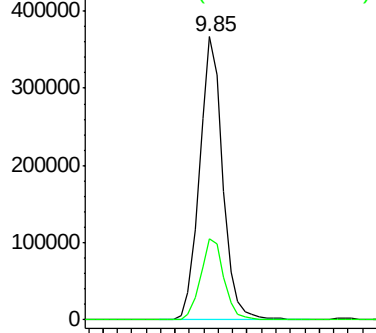


#58
 2-Chloroethyl Vinyl ether
 Concen: 225.111 ug/l
 RT: 9.85 min Scan# 856
 Delta R.T. 0.00 min
 Lab File: VD060912.D
 Acq: 1 Mar 2019 16:36

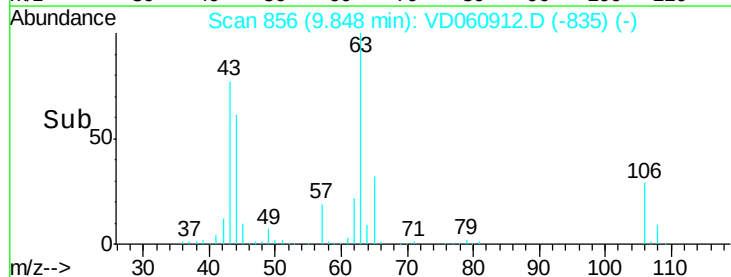
Tgt Ion: 63 Resp: 820832
 Ion Ratio Lower Upper
 63 100
 106 28.8 23.0 34.4

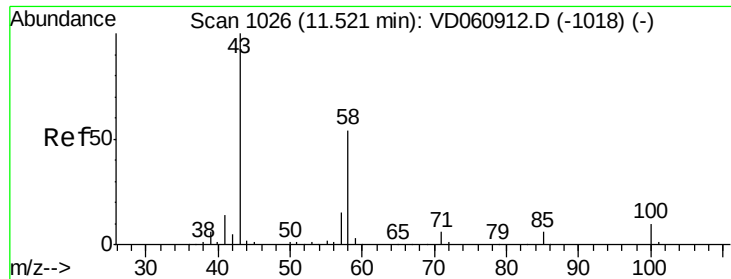


Abundance Ion 62.95 (62.65 to 63.65): VDC
 Ion 105.95 (105.65 to 106.65): V



Time-->

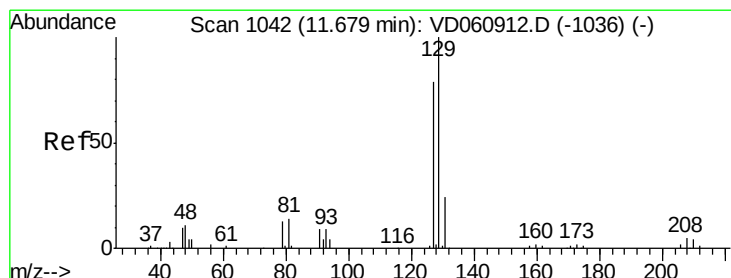
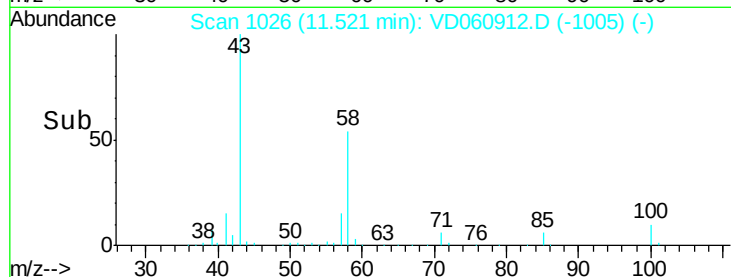
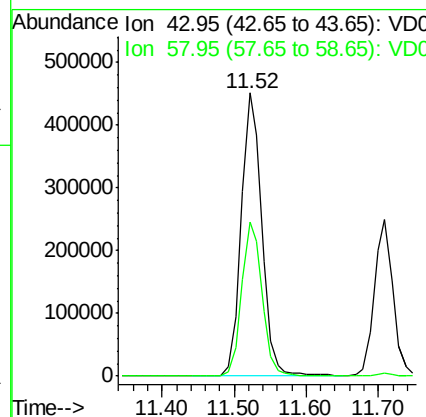
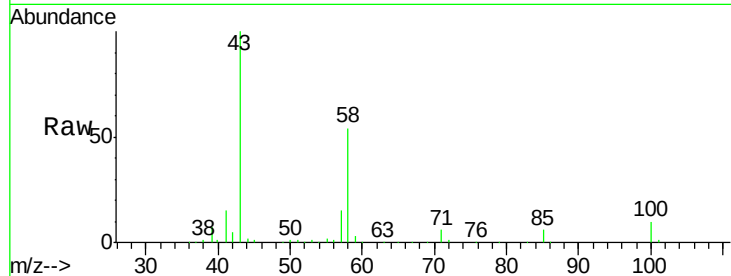




#59
2-Hexanone
Concen: 210.595 ug/l
RT: 11.52 min Scan# 1026
Delta R.T. 0.00 min
Lab File: VD060912.D
Acq: 1 Mar 2019 16:36

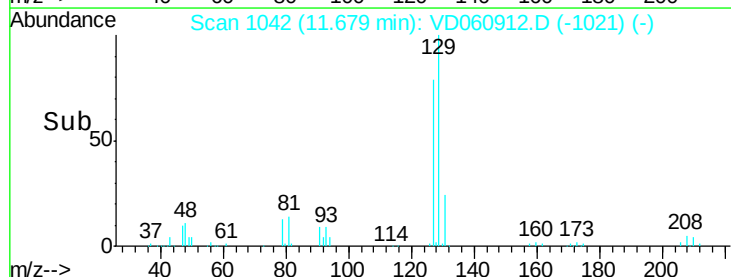
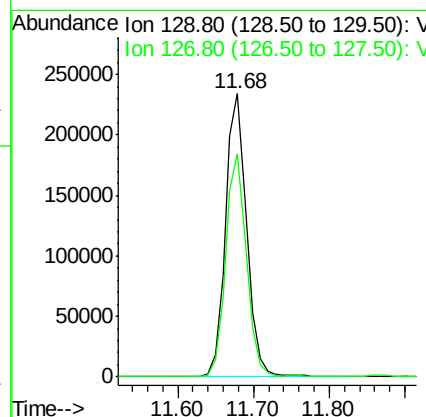
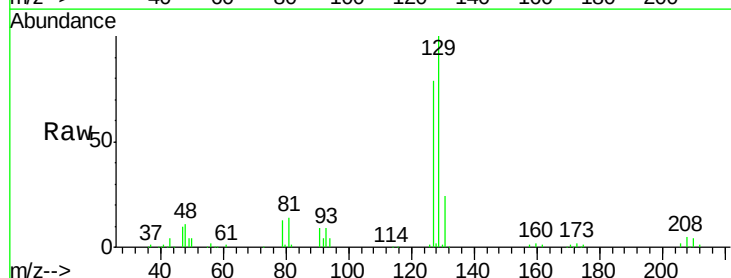
Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

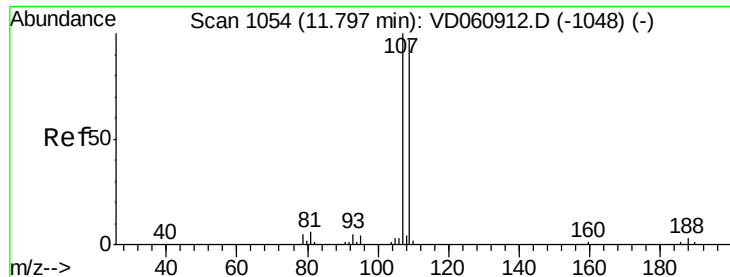
Tot Ion: 43 Resp: 899650
Ion Ratio Lower Upper
43 100
58 54.3 25.4 76.2



#60
Dibromochloromethane
Concen: 47.122 ug/l
RT: 11.68 min Scan# 1042
Delta R.T. 0.00 min
Lab File: VD060912.D
Acq: 1 Mar 2019 16:36

Tgt Ion: 129 Resp: 452842
Ion Ratio Lower Upper
129 100
127 78.7 38.5 115.3

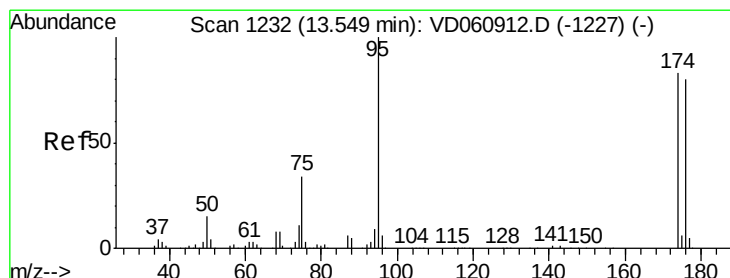
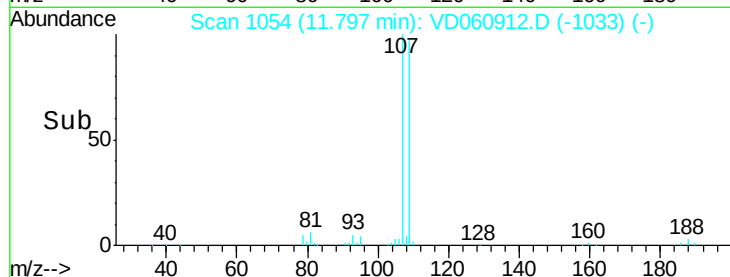
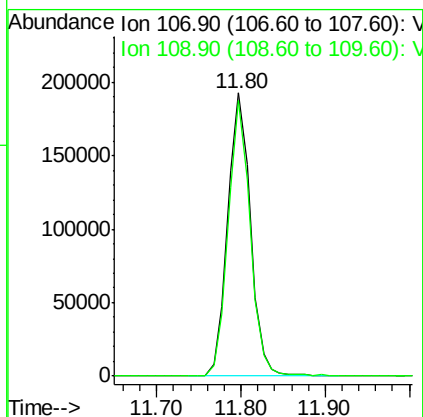
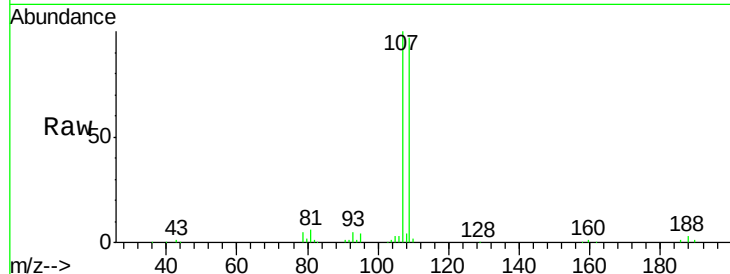




#61
1,2-Dibromoethane
Concen: 47.733 ug/l
RT: 11.80 min Scan# 1054
Delta R.T. 0.00 min
Lab File: VD060912.D
Acq: 1 Mar 2019 16:36

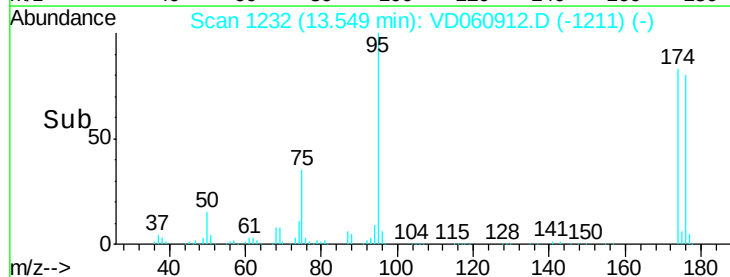
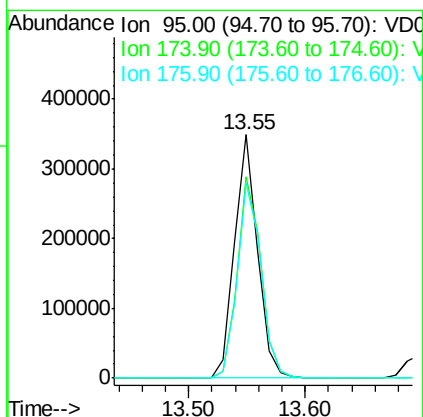
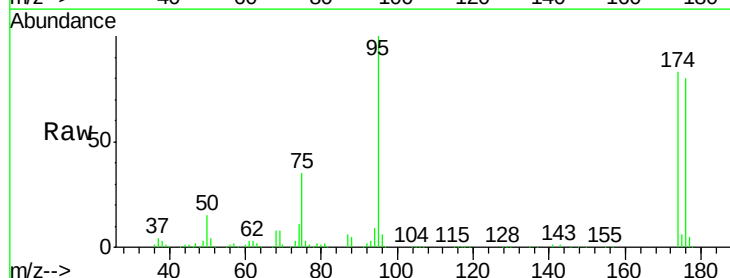
Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

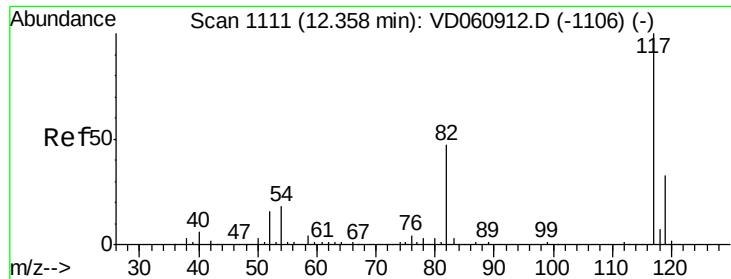
Tot Ion: 107 Resp: 361370
Ion Ratio Lower Upper
107 100
109 97.5 75.0 112.6



#62
4-Bromofluorobenzene
Concen: 47.733 ug/l
RT: 13.55 min Scan# 1232
Delta R.T. 0.00 min
Lab File: VD060912.D
Acq: 1 Mar 2019 16:36

Tgt Ion: 95 Resp: 476805
Ion Ratio Lower Upper
95 100
174 82.8 0.0 207.2
176 80.3 0.0 198.4

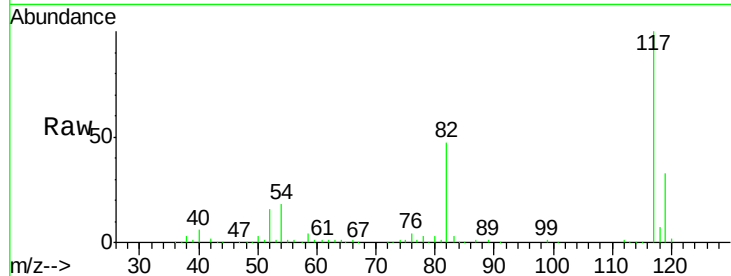




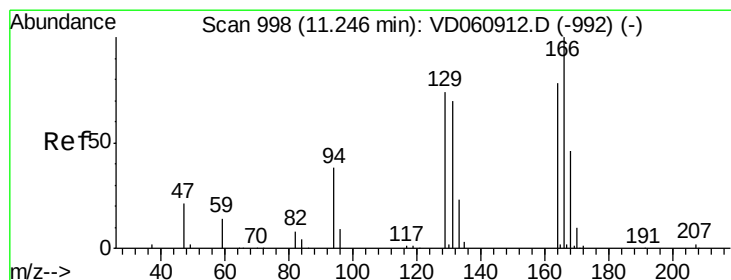
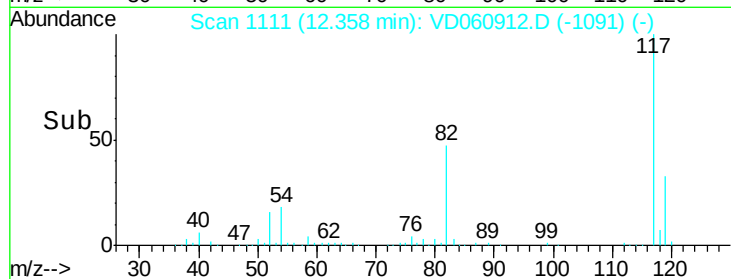
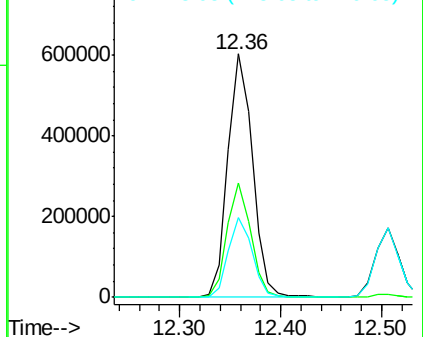
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.36 min Scan# 1111
Delta R.T. -0.01 min
Lab File: VD060912.D
Acq: 1 Mar 2019 16:36

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion:117 Resp: 1027515
Ion Ratio Lower Upper
117 100
82 46.9 45.5 68.3
119 32.7 25.7 38.5

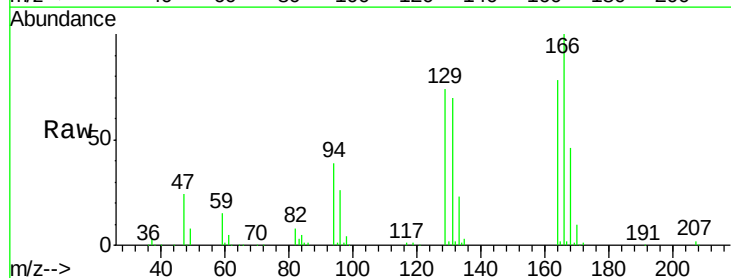


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

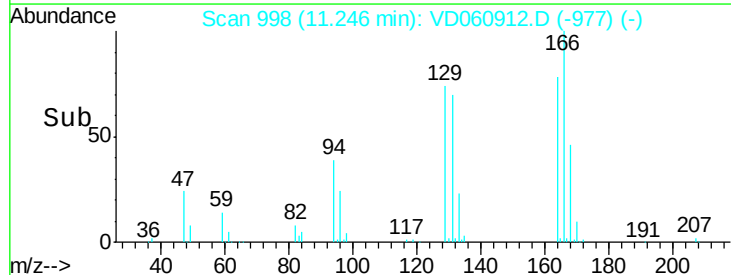
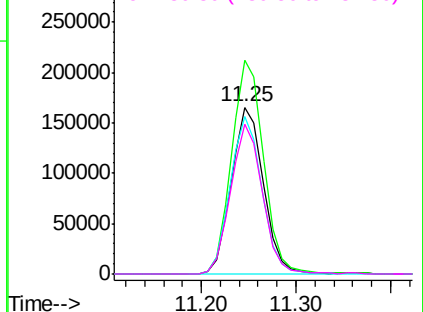


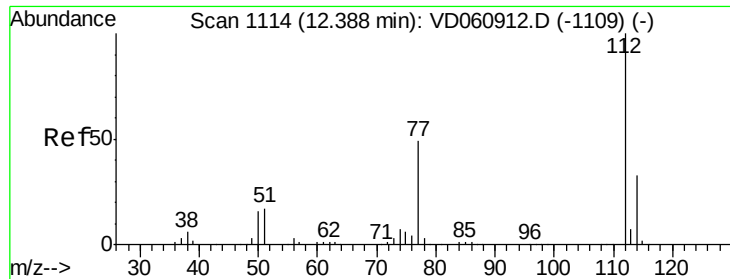
#64
Tetrachloroethene
Concen: 42.350 ug/l
RT: 11.25 min Scan# 998
Delta R.T. 0.00 min
Lab File: VD060912.D
Acq: 1 Mar 2019 16:36

Tgt Ion:164 Resp: 388813
Ion Ratio Lower Upper
164 100
166 127.9 101.9 152.9
129 94.5 63.0 94.4#
131 90.0 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

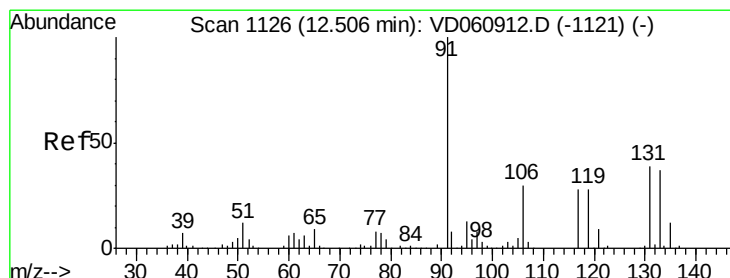
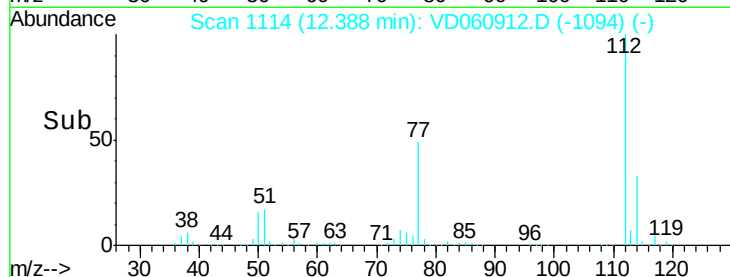
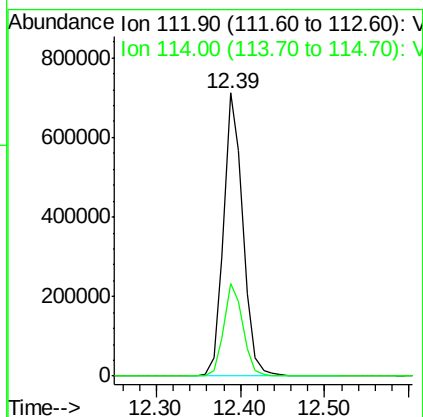
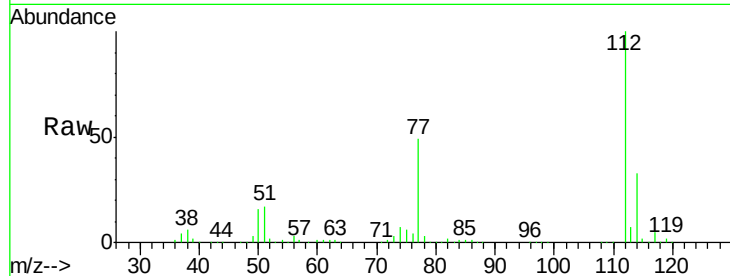




#65
Chlorobenzene
Concen: 54.226 ug/l
RT: 12.39 min Scan# 1114
Delta R.T. -0.01 min
Lab File: VD060912.D
Acq: 1 Mar 2019 16:36

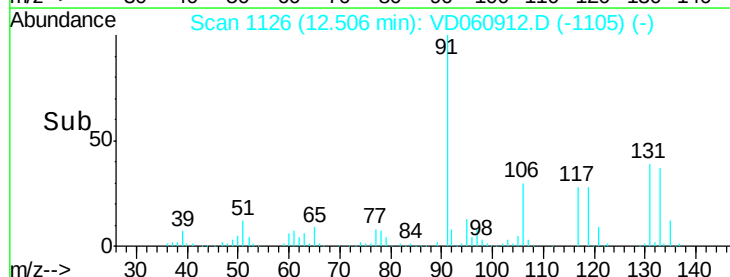
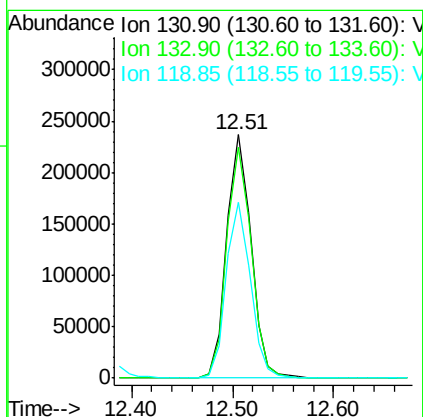
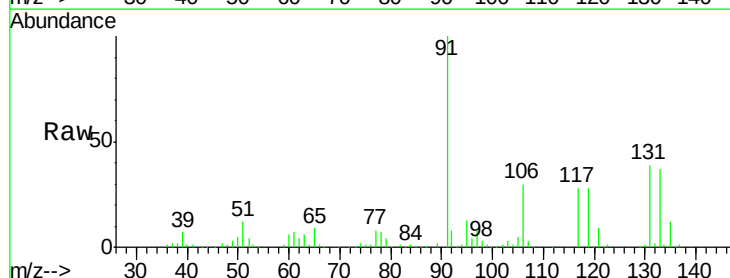
Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

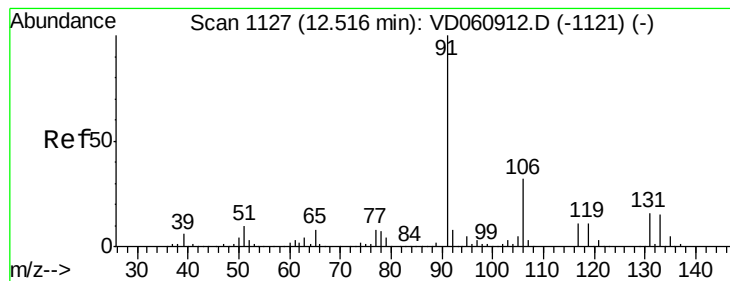
Tot Ion:112 Resp: 1129292
Ion Ratio Lower Upper
112 100
114 32.5 26.4 39.6



#66
1,1,1,2-Tetrachloroethane
Concen: 48.084 ug/l
RT: 12.51 min Scan# 1126
Delta R.T. 0.00 min
Lab File: VD060912.D
Acq: 1 Mar 2019 16:36

Tgt Ion:131 Resp: 398491
Ion Ratio Lower Upper
131 100
133 94.9 48.5 145.6
119 72.1 32.8 98.3





#67

Ethyl Benzene

Concen: 45.689 ug/l

RT: 12.52 min Scan# 1127

Delta R.T. 0.00 min

Lab File: VD060912.D

Acq: 1 Mar 2019 16:36

Instrument :

MSVOA_D

ClientSampleId :

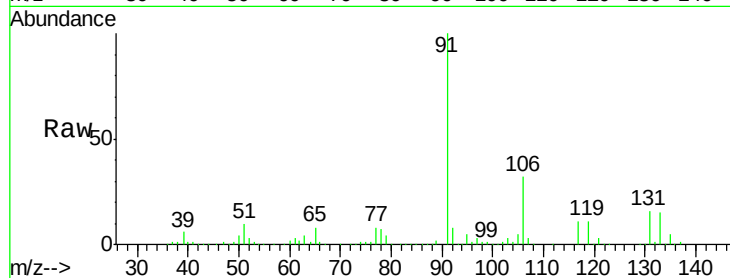
VSTDICCC050

Tot Ion: 91 Resp: 1619521

Ion Ratio Lower Upper

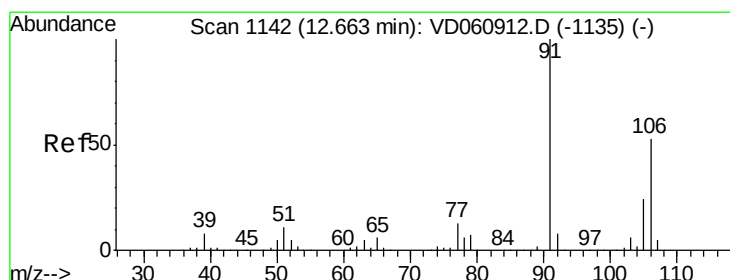
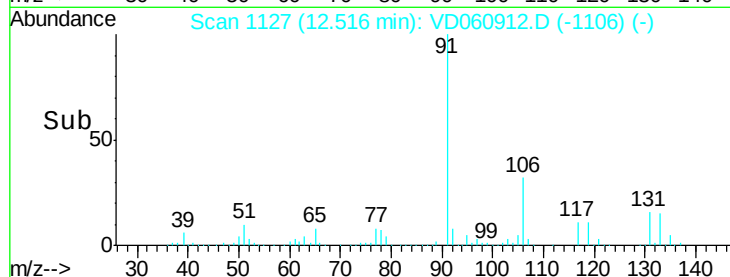
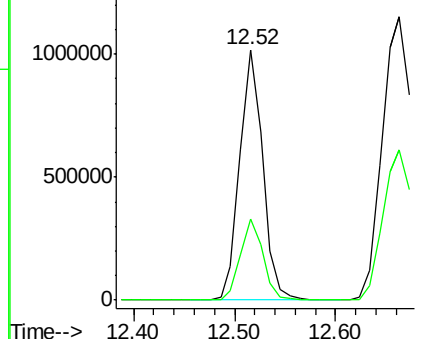
91 100

106 32.2 22.2 33.2



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 106.05 (105.75 to 106.75): V



#68

m/p-Xylenes

Concen: 101.049 ug/l

RT: 12.66 min Scan# 1142

Delta R.T. 0.00 min

Lab File: VD060912.D

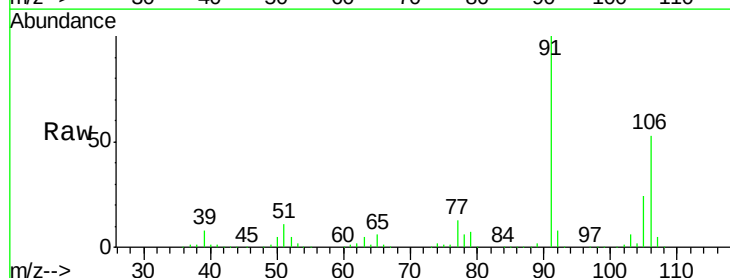
Acq: 1 Mar 2019 16:36

Tgt Ion: 106 Resp: 1265992

Ion Ratio Lower Upper

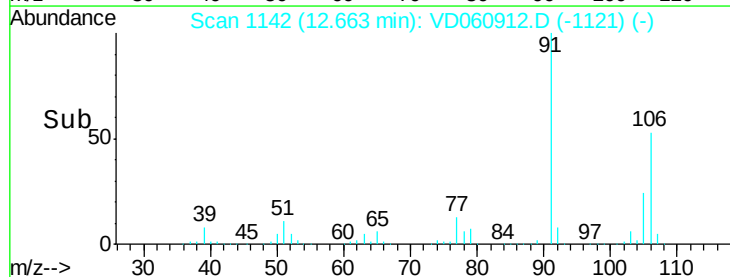
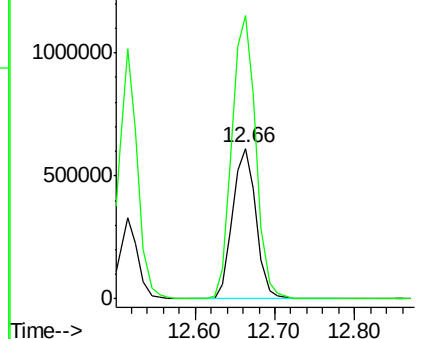
106 100

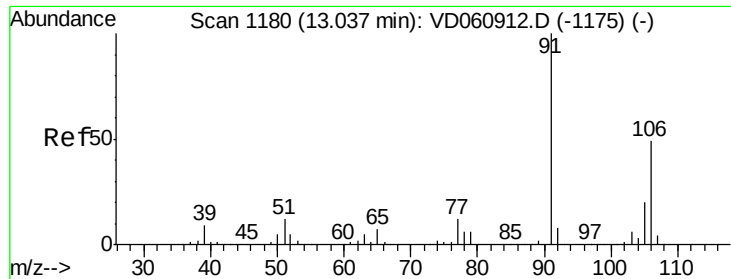
91 187.8 174.2 261.2



Abundance Ion 106.05 (105.75 to 106.75): V

Ion 91.00 (90.70 to 91.70): V

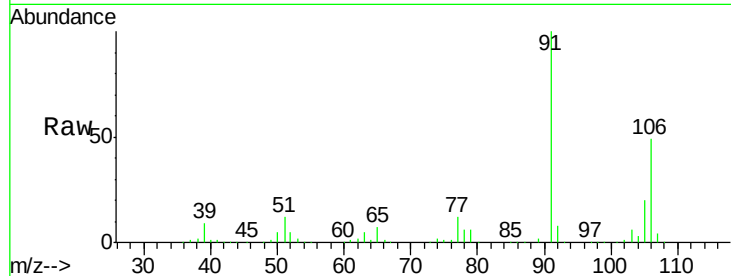




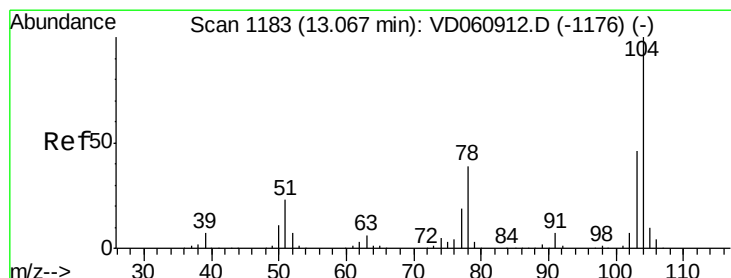
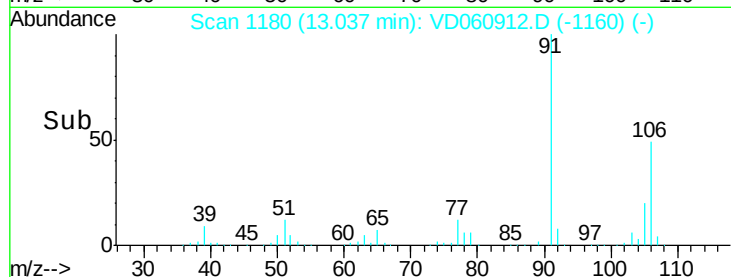
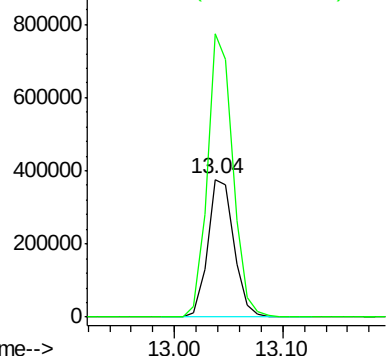
#69
o-Xylene
Concen: 52.382 ug/l
RT: 13.04 min Scan# 1180
Delta R.T. -0.01 min
Lab File: VD060912.D
Acq: 1 Mar 2019 16:36

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion:106 Resp: 632055
Ion Ratio Lower Upper
106 100
91 205.8 116.9 350.7

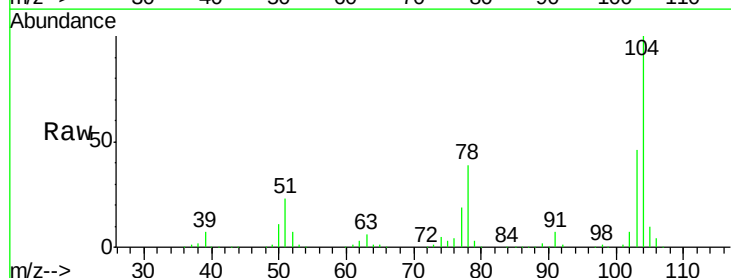


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): VDC

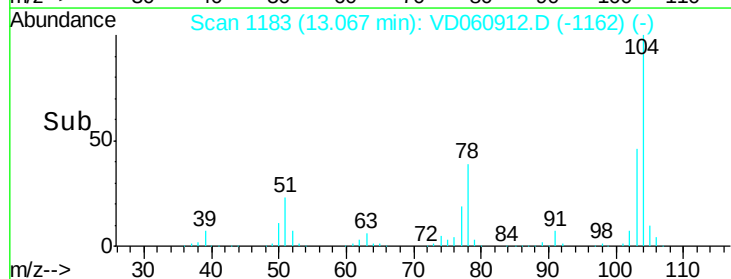
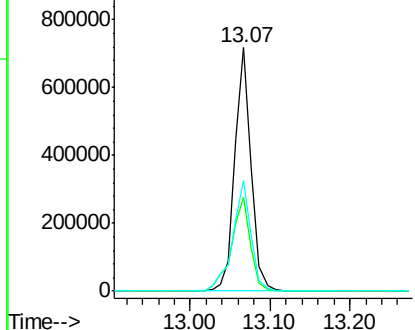


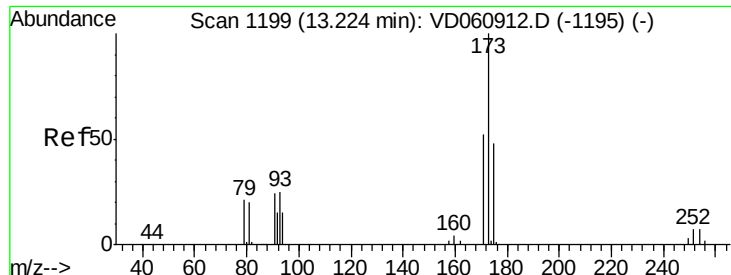
#70
Styrene
Concen: 51.093 ug/l
RT: 13.07 min Scan# 1183
Delta R.T. 0.00 min
Lab File: VD060912.D
Acq: 1 Mar 2019 16:36

Tgt Ion:104 Resp: 1036153
Ion Ratio Lower Upper
104 100
78 38.7 34.6 51.8
103 45.6 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: 40.245 ug/l

RT: 13.22 min Scan# 1199

Delta R.T. -0.01 min

Lab File: VD060912.D

Acq: 1 Mar 2019 16:36

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

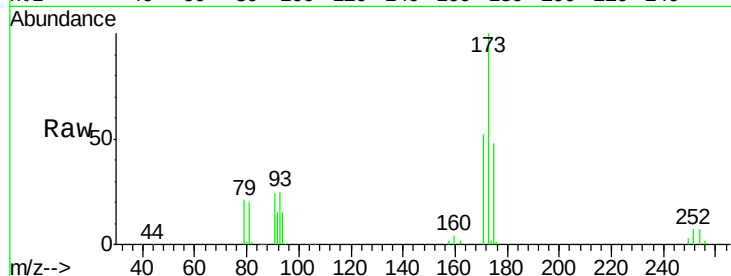
Tot Ion:173 Resp: 265234

Ion Ratio Lower Upper

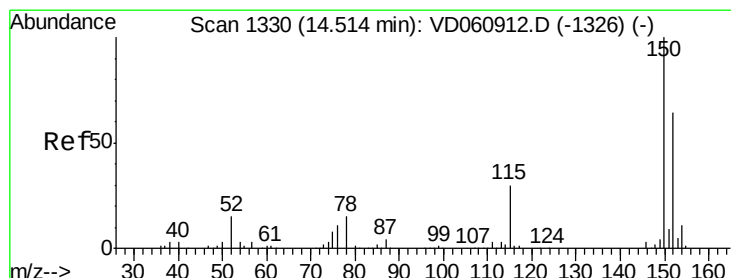
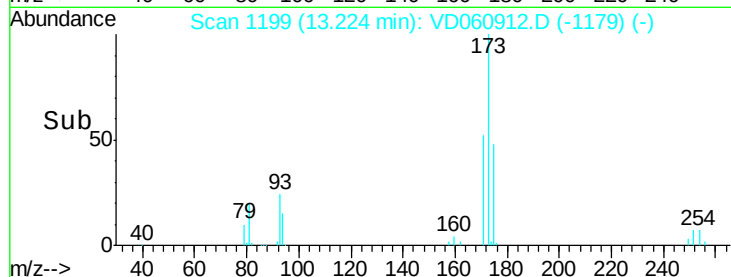
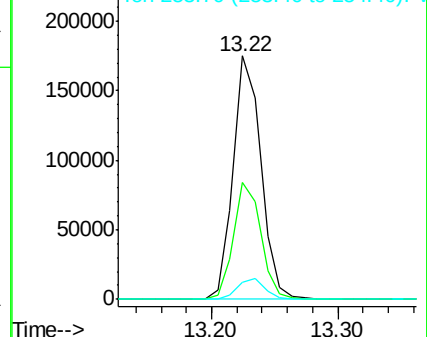
173 100

175 48.2 24.6 73.8

254 7.0 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: VD060912.D

Acq: 1 Mar 2019 16:36

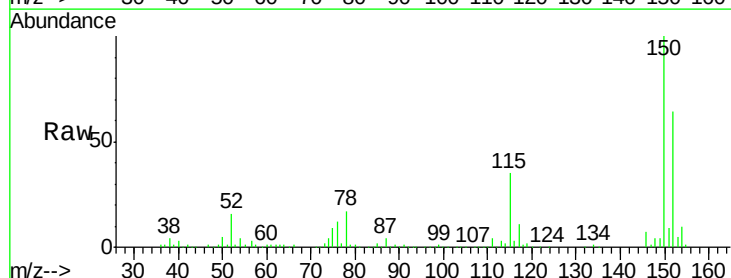
Tgt Ion:152 Resp: 460703

Ion Ratio Lower Upper

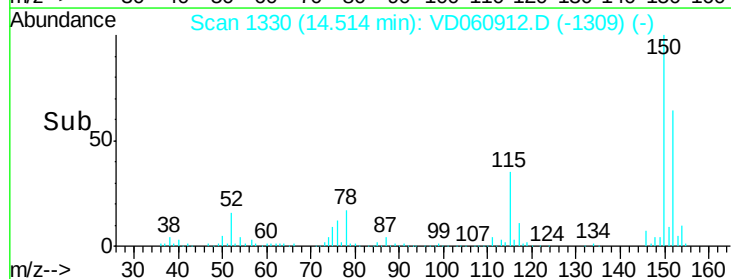
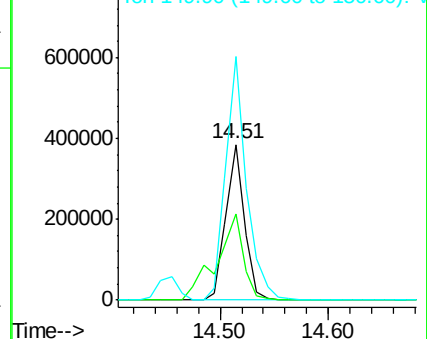
152 100

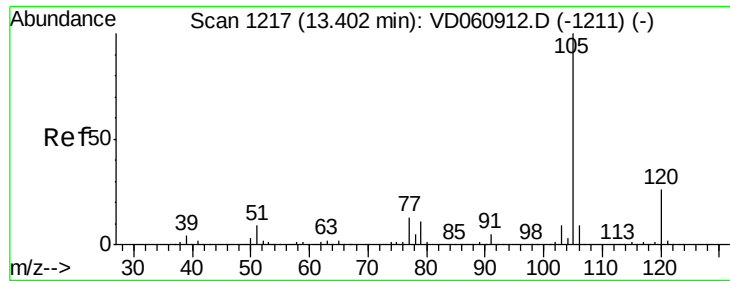
115 55.2 24.4 73.2

150 156.4 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: 63.772 ug/l

RT: 13.40 min Scan# 1217

Delta R.T. 0.00 min

Lab File: VD060912.D

Acq: 1 Mar 2019 16:36

Instrument :

MSVOA_D

ClientSampleId :

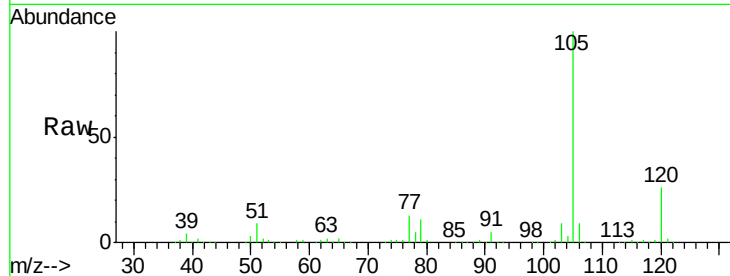
VSTDICCC050

Tot Ion:105 Resp: 1719134

Ion Ratio Lower Upper

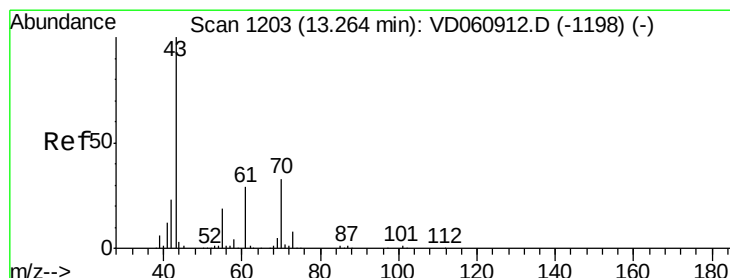
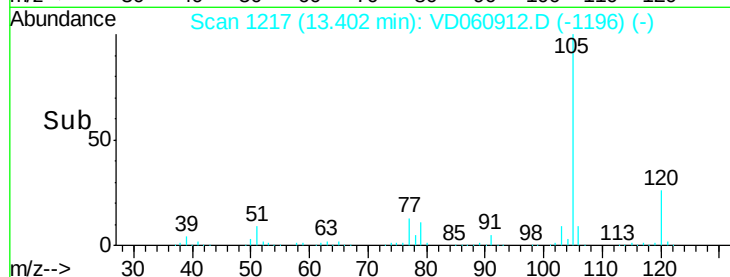
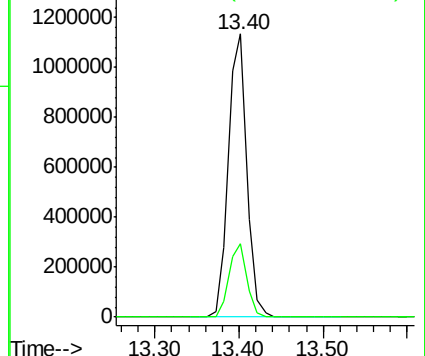
105 100

120 25.8 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: 50.928 ug/l

RT: 13.26 min Scan# 1203

Delta R.T. 0.00 min

Lab File: VD060912.D

Acq: 1 Mar 2019 16:36

Tgt Ion: 43 Resp: 474494

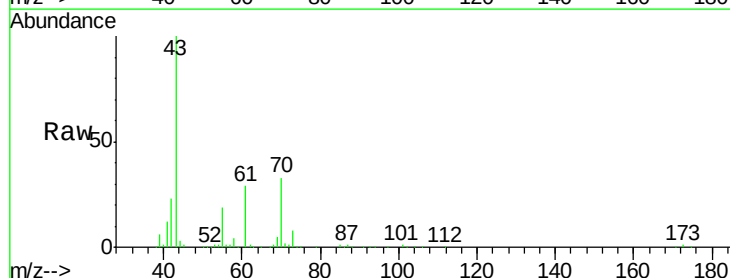
Ion Ratio Lower Upper

43 100

70 32.9 26.8 40.2

55 19.3 14.2 21.4

61 29.2 20.6 31.0

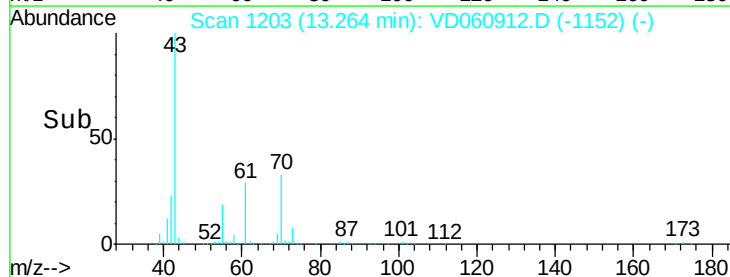
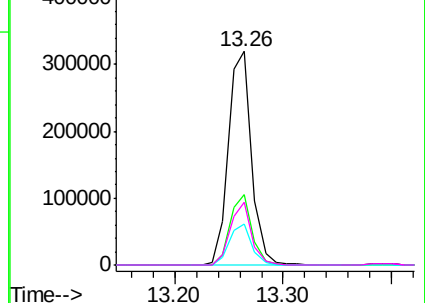


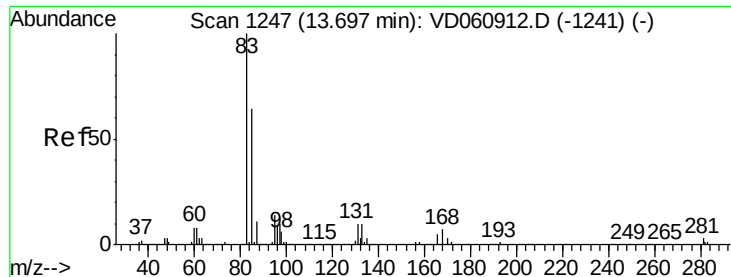
Abundance Ion 42.95 (42.65 to 43.65): V

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: 52.422 ug/l

RT: 13.70 min Scan# 1247

Delta R.T. 0.00 min

Lab File: VD060912.D

Acq: 1 Mar 2019 16:36

Instrument :

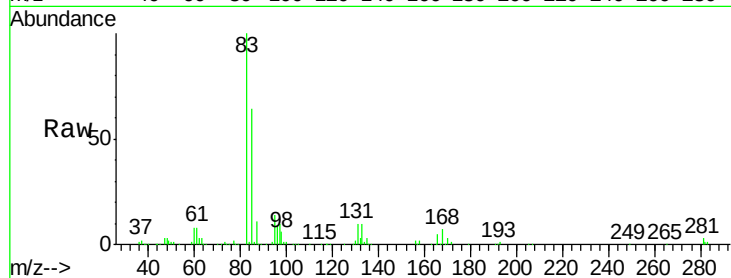
MSVOA_D

ClientSampleId :

VSTDICCC050

Tot Ion: 83 Resp: 348043

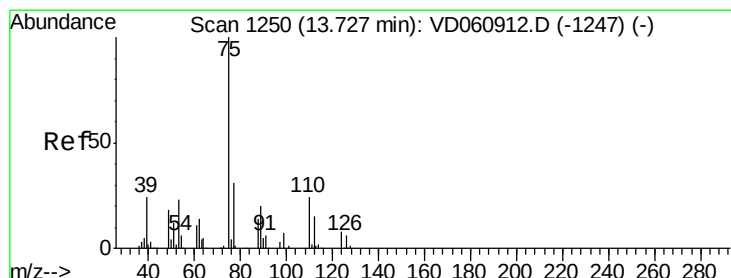
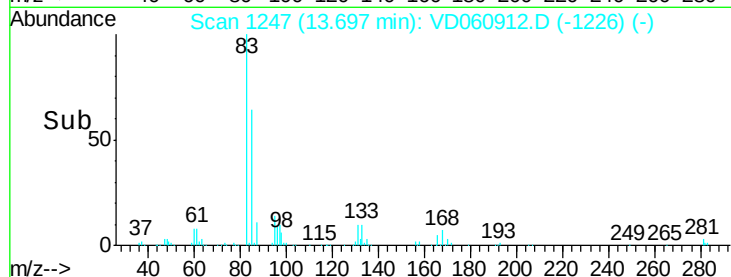
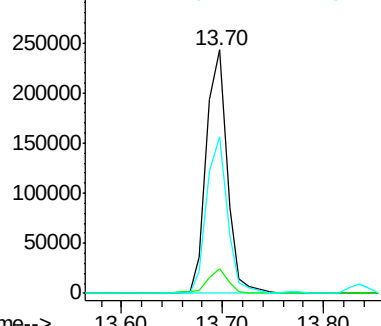
Ion	Ratio	Lower	Upper
83	100		
131	10.1	4.9	14.6
85	64.5	31.9	95.9



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: 51.335 ug/l

RT: 13.73 min Scan# 1250

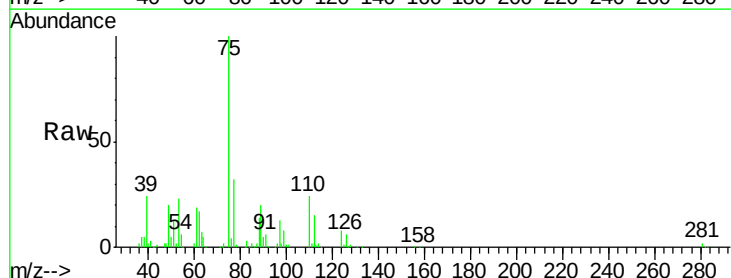
Delta R.T. 0.00 min

Lab File: VD060912.D

Acq: 1 Mar 2019 16:36

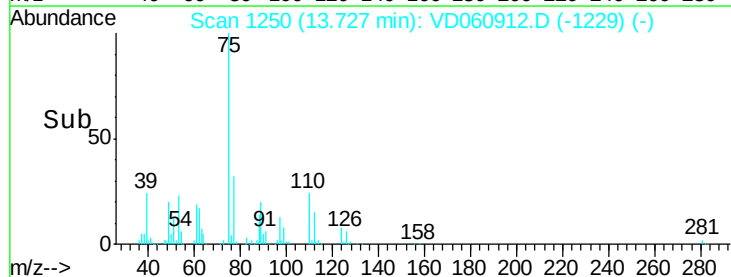
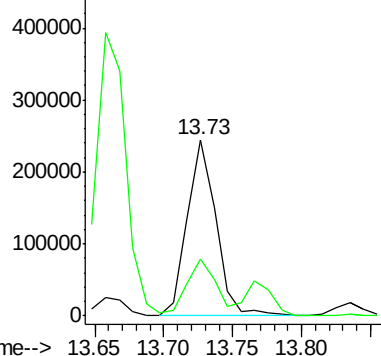
Tgt Ion: 75 Resp: 351909

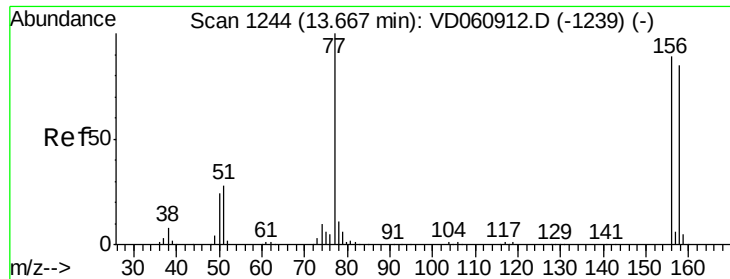
Ion	Ratio	Lower	Upper
75	100		
77	32.4	16.3	48.8



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 51.917 ug/l

RT: 13.67 min Scan# 1244

Delta R.T. 0.00 min

Lab File: VD060912.D

Acq: 1 Mar 2019 16:36

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

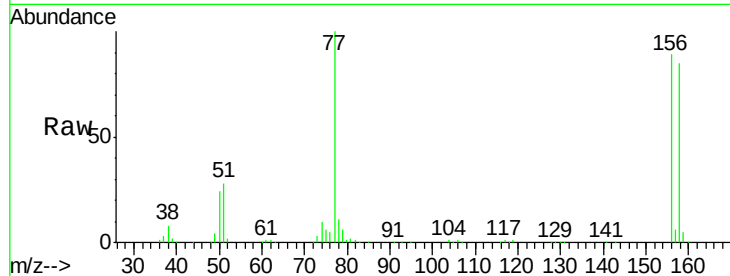
Tot Ion:156 Resp: 450435

Ion Ratio Lower Upper

156 100

77 112.8 67.4 202.2

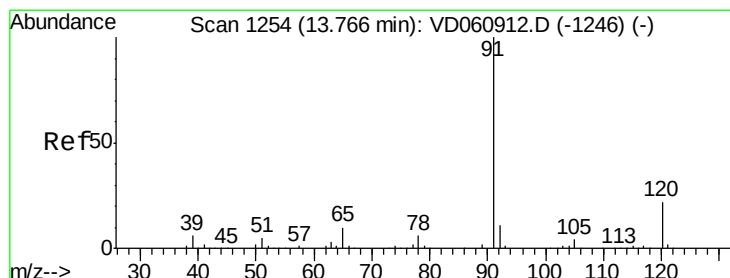
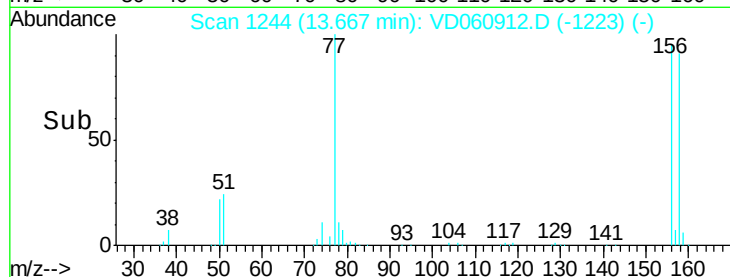
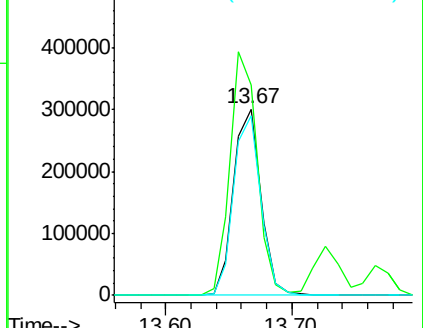
158 96.1 49.2 147.6



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: 54.269 ug/l

RT: 13.77 min Scan# 1254

Delta R.T. -0.01 min

Lab File: VD060912.D

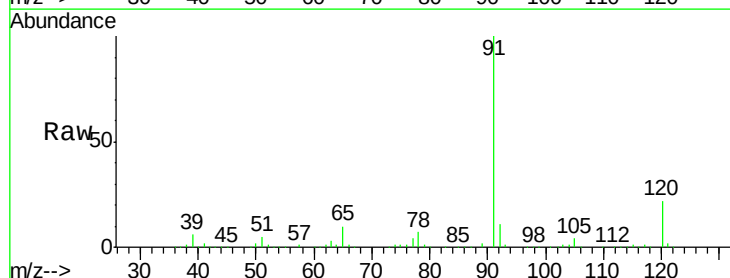
Acq: 1 Mar 2019 16:36

Tgt Ion: 91 Resp: 1952042

Ion Ratio Lower Upper

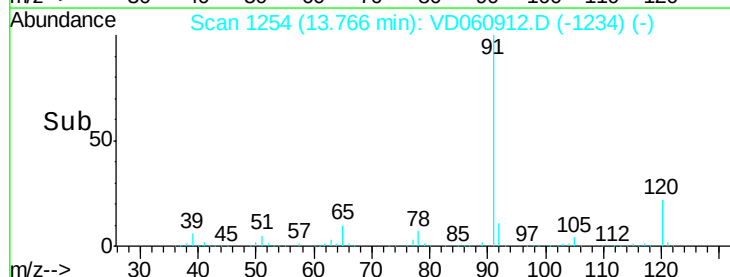
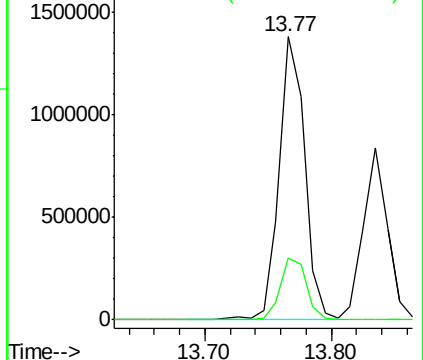
91 100

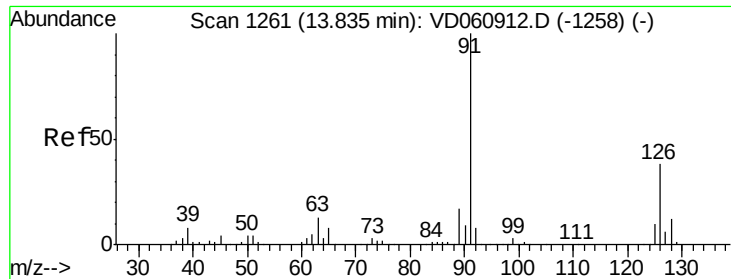
120 22.0 10.1 30.3



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V





#79

2-Chlorotoluene

Concen: 53.752 ug/l

RT: 13.83 min Scan# 1261

Delta R.T. 0.00 min

Lab File: VD060912.D

Acq: 1 Mar 2019 16:36

Instrument :

MSVOA_D

ClientSampleId :

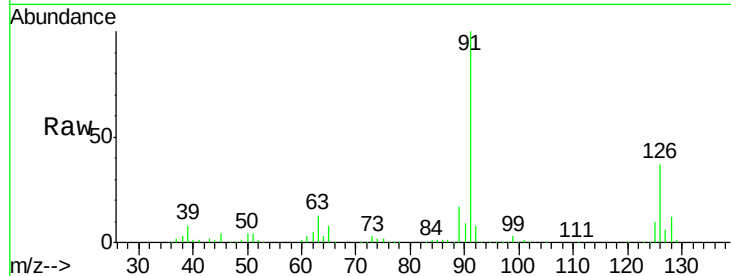
VSTDICCC050

Tot Ion: 91 Resp: 1105835

Ion Ratio Lower Upper

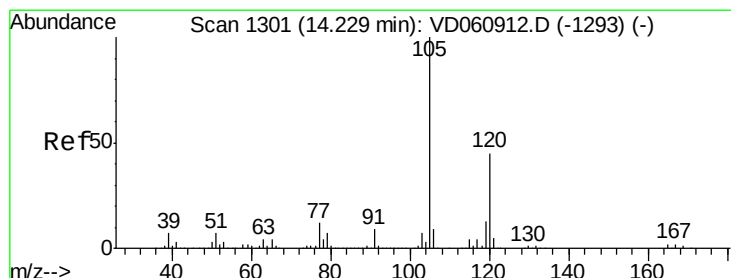
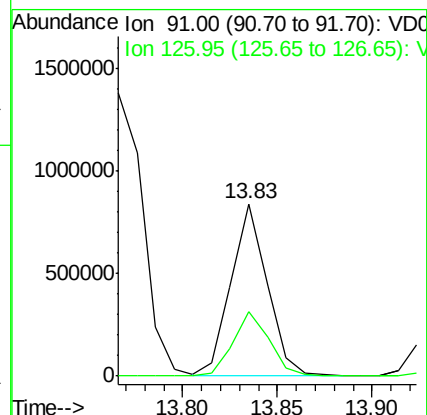
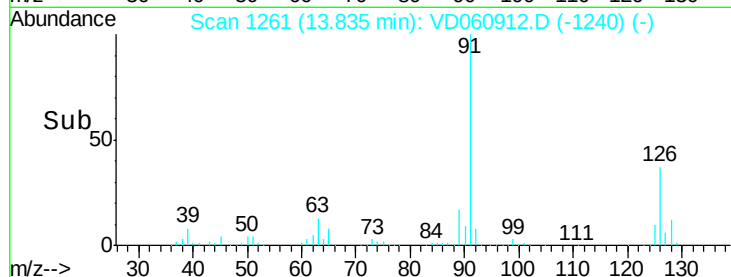
91 100

126 37.5 17.4 52.2



Abundance Ion 91.00 (90.70 to 91.70): VD060912.D (-1258) (-)

Ion 125.95 (125.65 to 126.65): VD060912.D (-1258) (-)



#80

1,3,5-Trimethylbenzene

Concen: 57.961 ug/l

RT: 14.23 min Scan# 1301

Delta R.T. -0.01 min

Lab File: VD060912.D

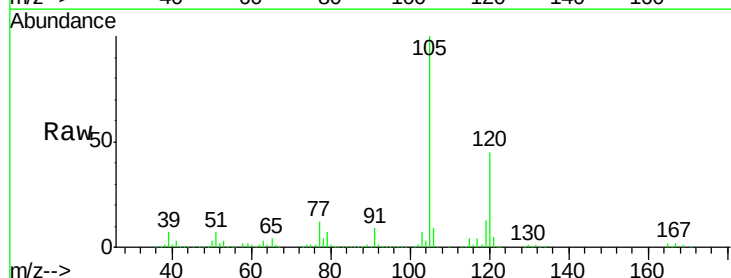
Acq: 1 Mar 2019 16:36

Tgt Ion:105 Resp: 1284124

Ion Ratio Lower Upper

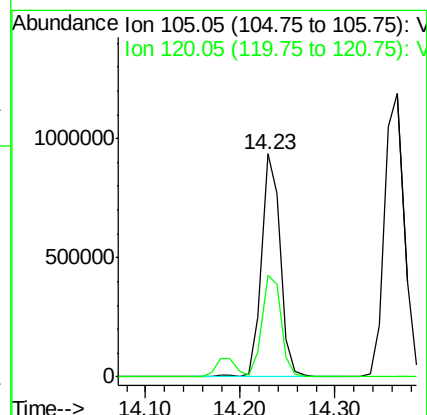
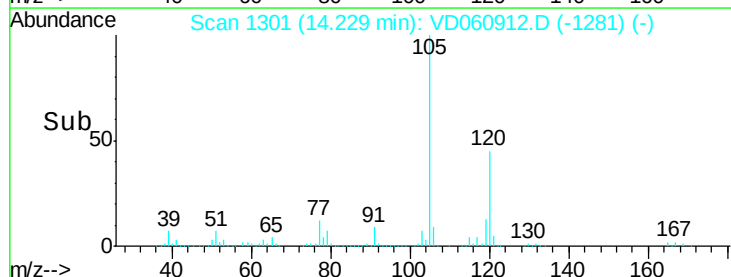
105 100

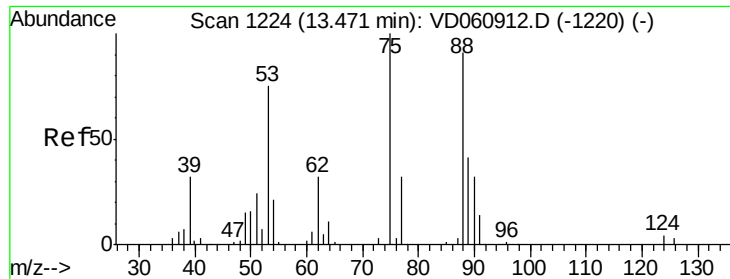
120 45.4 22.8 68.4



Abundance Ion 105.05 (104.75 to 105.75): VD060912.D (-1293) (-)

Ion 120.05 (119.75 to 120.75): VD060912.D (-1293) (-)

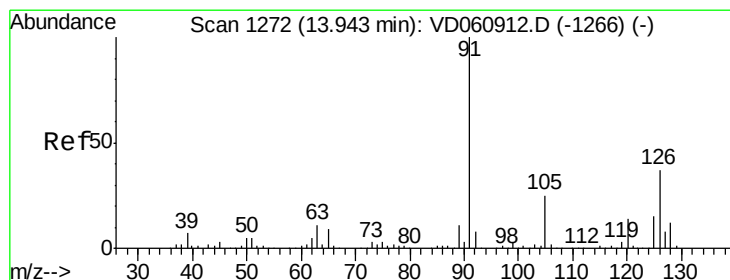
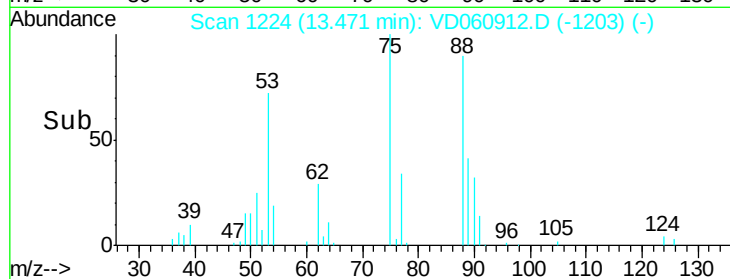
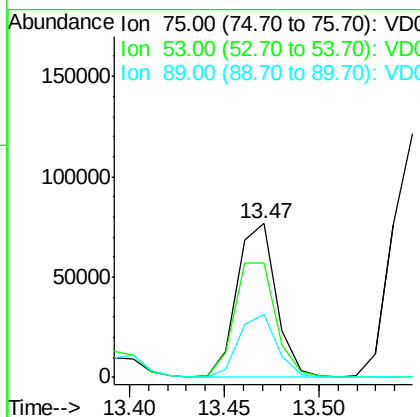
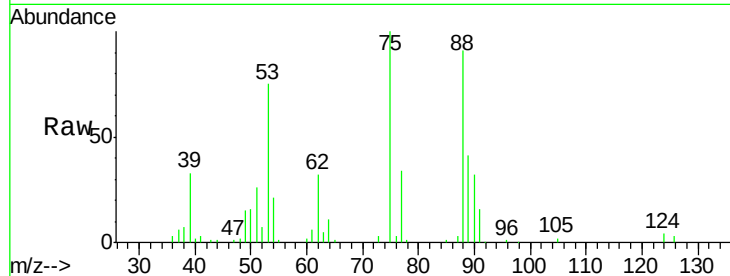




#81
trans-1,4-Dichloro-2-butene
Concen: 50.350 ug/l
RT: 13.47 min Scan# 1224
Delta R.T. 0.00 min
Lab File: VD060912.D
Acq: 1 Mar 2019 16:36

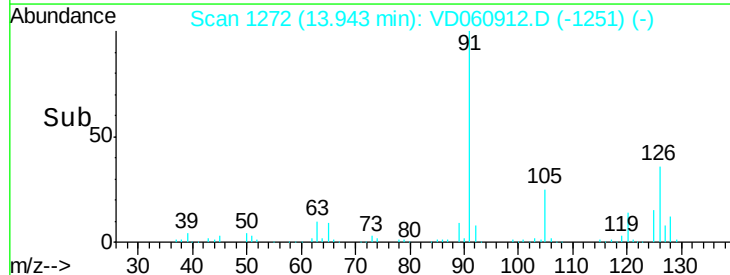
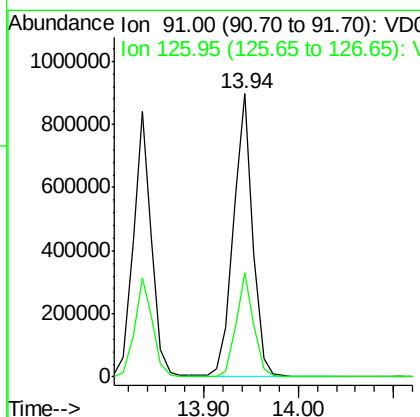
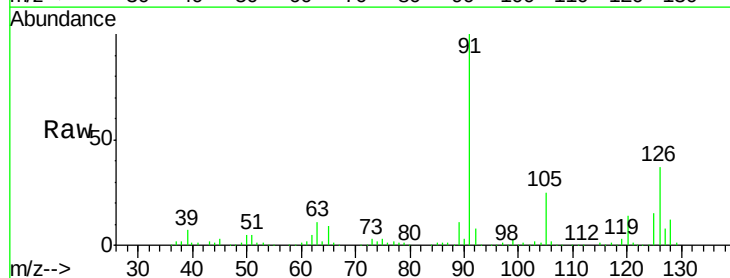
Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

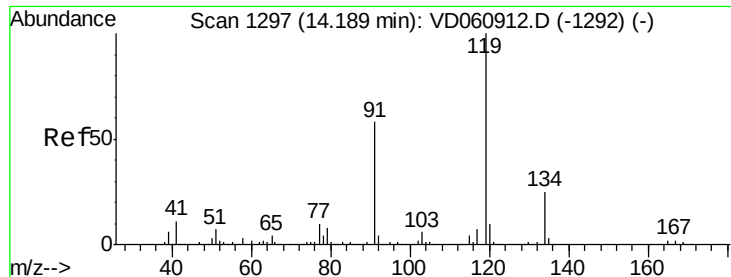
Tot Ion: 75 Resp: 109973
Ion Ratio Lower Upper
75 100
53 74.7 60.2 90.4
89 41.3 32.6 49.0



#82
4-Chlorotoluene
Concen: 55.512 ug/l
RT: 13.94 min Scan# 1272
Delta R.T. 0.00 min
Lab File: VD060912.D
Acq: 1 Mar 2019 16:36

Tgt Ion: 91 Resp: 1252968
Ion Ratio Lower Upper
91 100
126 36.8 16.9 50.7





#83

tert-Butylbenzene

Concen: 61.427 ug/l

RT: 14.19 min Scan# 1297

Delta R.T. 0.00 min

Lab File: VD060912.D

Acq: 1 Mar 2019 16:36

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

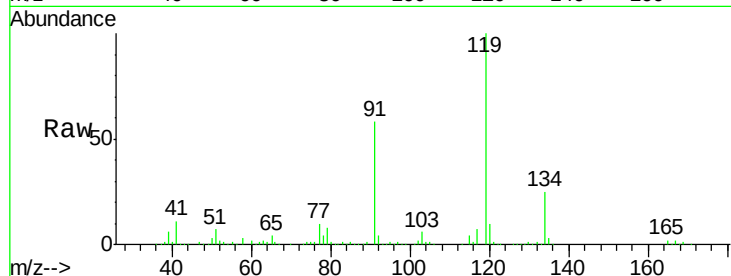
Tot Ion:119 Resp: 1571565

Ion Ratio Lower Upper

119 100

91 57.7 34.2 102.5

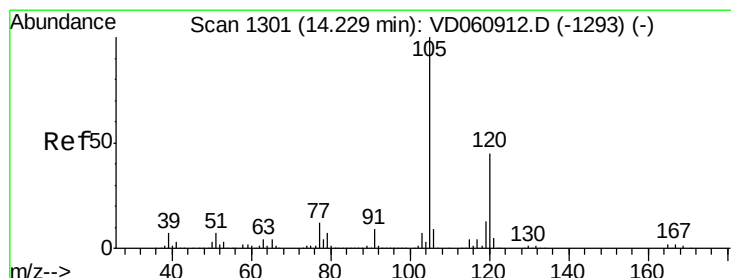
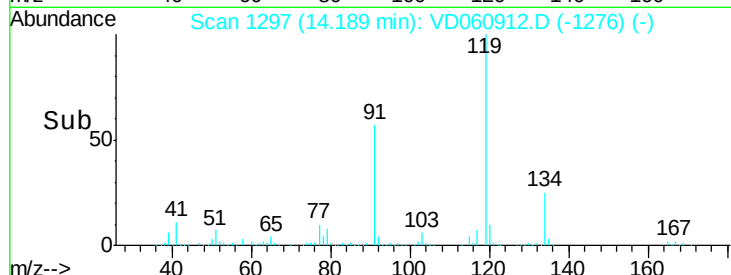
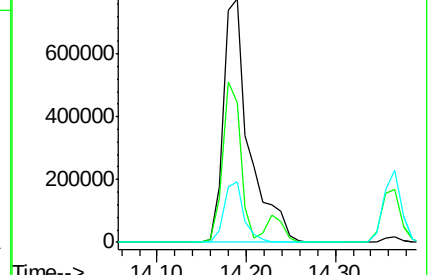
134 25.1 12.9 38.7



Abundance Ion 119.05 (118.75 to 119.75): V

Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 57.961 ug/l

RT: 14.23 min Scan# 1301

Delta R.T. -0.01 min

Lab File: VD060912.D

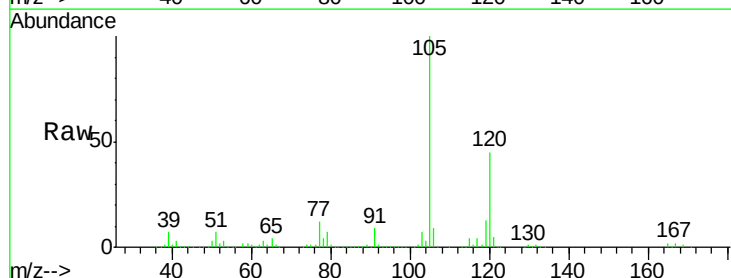
Acq: 1 Mar 2019 16:36

Tgt Ion:105 Resp: 1284124

Ion Ratio Lower Upper

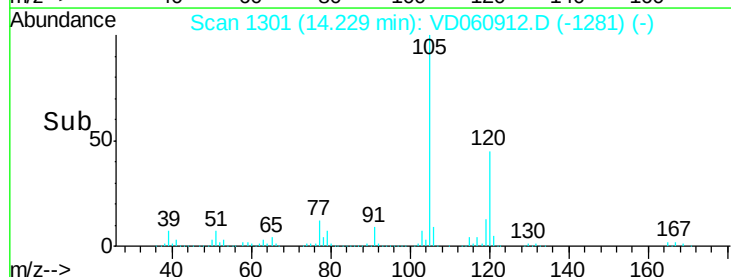
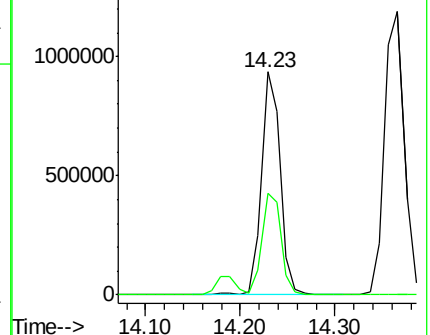
105 100

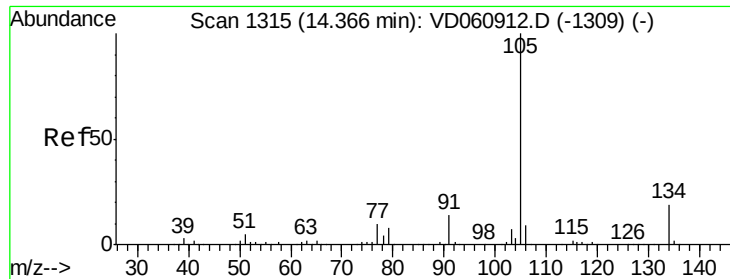
120 45.4 22.8 68.4



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V





#85

sec-Butylbenzene

Concen: 60.457 ug/l

RT: 14.37 min Scan# 1315

Delta R.T. 0.00 min

Lab File: VD060912.D

Acq: 1 Mar 2019 16:36

Instrument :

MSVOA_D

ClientSampleId :

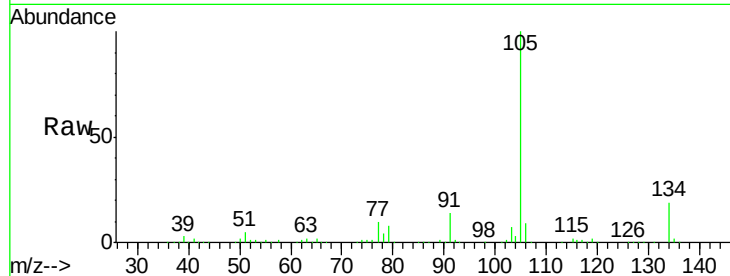
VSTDICCC050

Tot Ion:105 Resp: 1726803

Ion Ratio Lower Upper

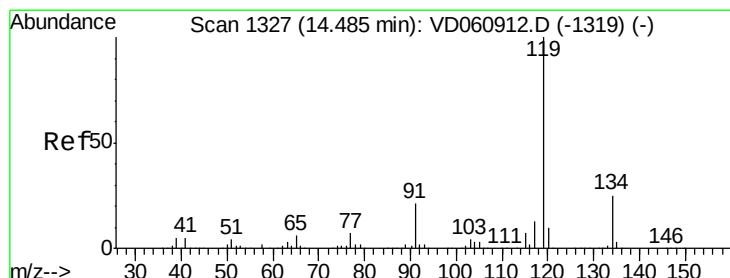
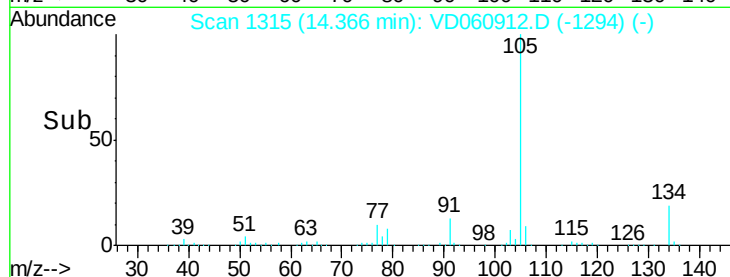
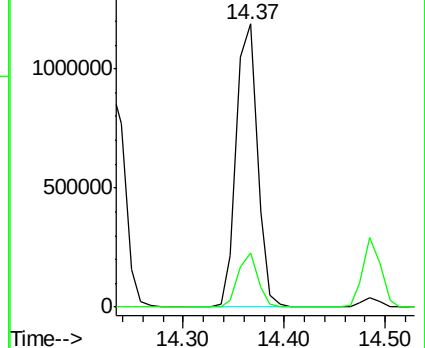
105 100

134 19.3 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: 60.992 ug/l

RT: 14.48 min Scan# 1327

Delta R.T. -0.01 min

Lab File: VD060912.D

Acq: 1 Mar 2019 16:36

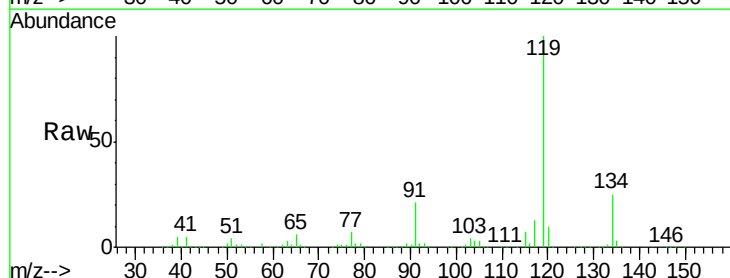
Tgt Ion:119 Resp: 1462951

Ion Ratio Lower Upper

119 100

134 24.7 12.9 38.7

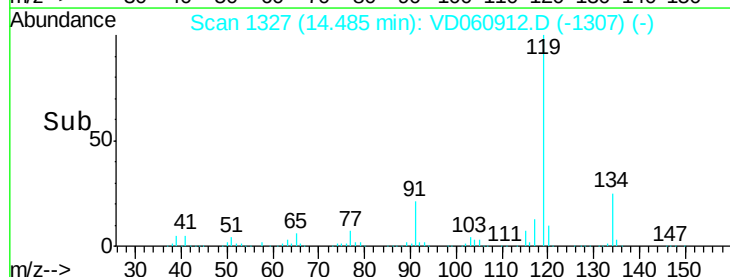
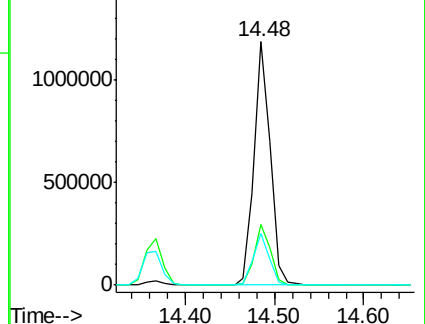
91 21.5 12.6 37.8

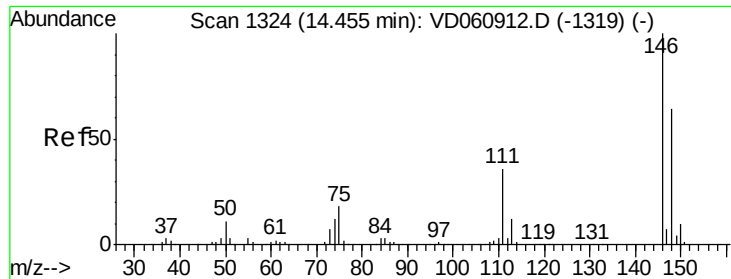


Abundance Ion 119.05 (118.75 to 119.75): V

Ion 134.10 (133.80 to 134.80): V

Ion 91.00 (90.70 to 91.70): V

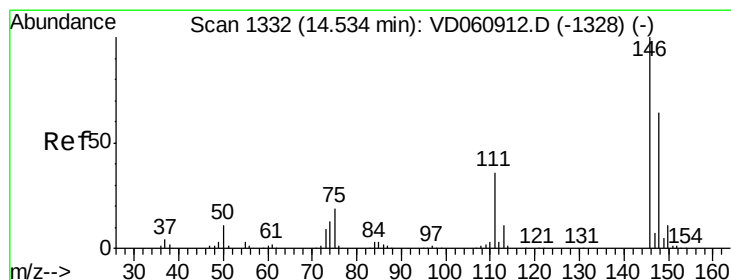
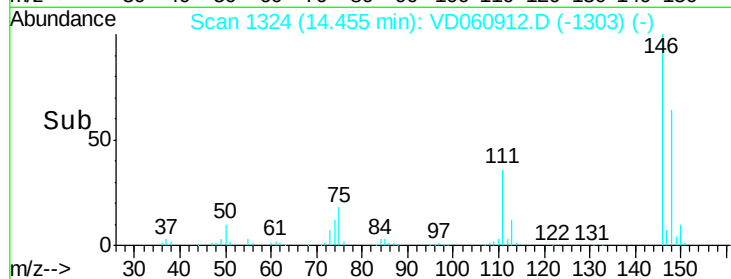
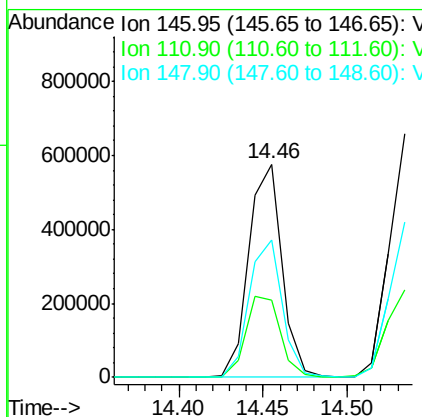
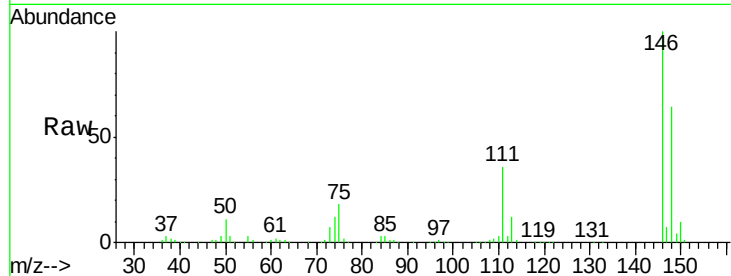




#87
 1,3-Dichlorobenzene
 Concen: 49.818 ug/l
 RT: 14.46 min Scan# 1324
 Delta R.T. 0.00 min
 Lab File: VD060912.D
 Acq: 1 Mar 2019 16:36

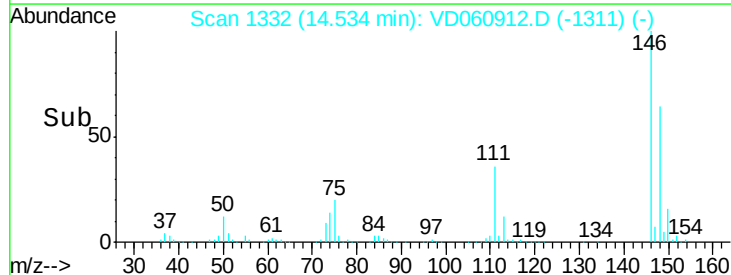
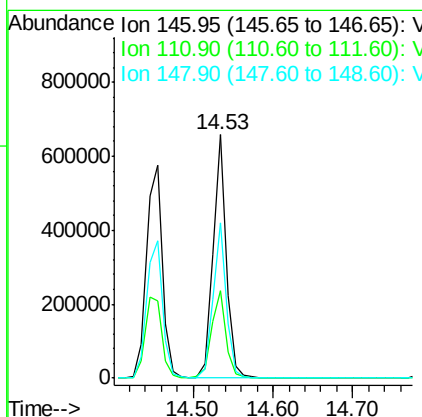
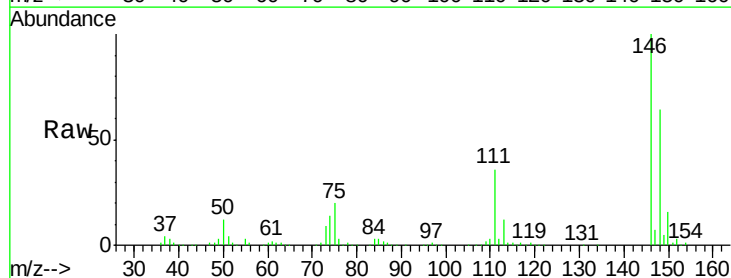
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

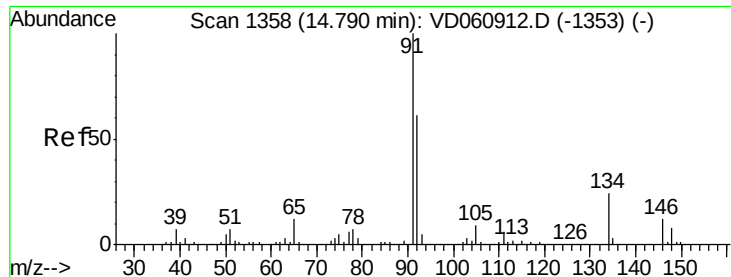
Tot Ion:146 Resp: 790502
 Ion Ratio Lower Upper
 146 100
 111 36.1 15.9 47.6
 148 64.2 32.4 97.0



#88
 1,4-Dichlorobenzene
 Concen: 50.379 ug/l
 RT: 14.53 min Scan# 1332
 Delta R.T. 0.00 min
 Lab File: VD060912.D
 Acq: 1 Mar 2019 16:36

Tgt Ion:146 Resp: 772059
 Ion Ratio Lower Upper
 146 100
 111 35.9 15.9 47.7
 148 64.0 32.6 97.8

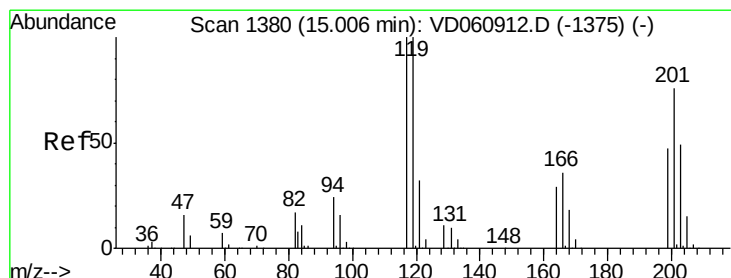
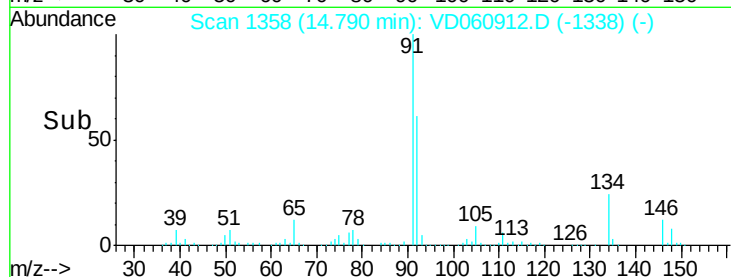
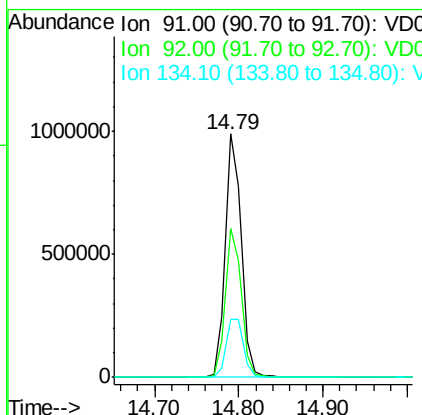
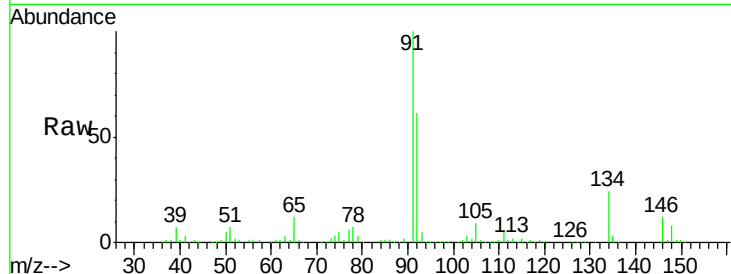




#89
n-Butylbenzene
Concen: 52.577 ug/l
RT: 14.79 min Scan# 1358
Delta R.T. -0.01 min
Lab File: VD060912.D
Acq: 1 Mar 2019 16:36

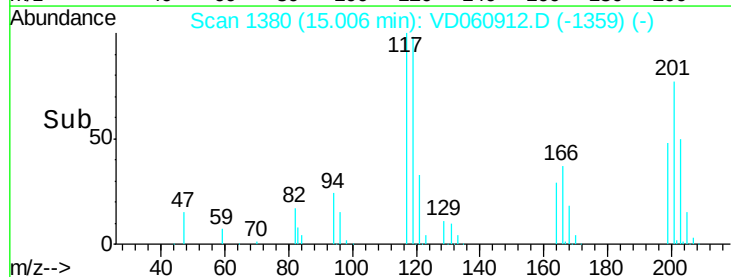
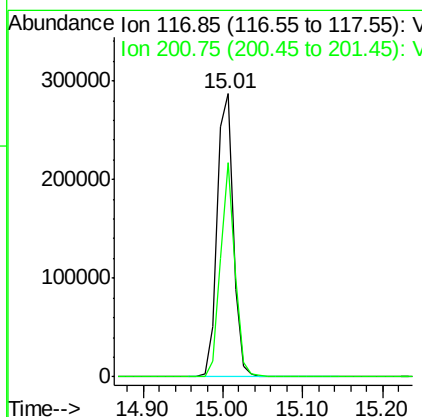
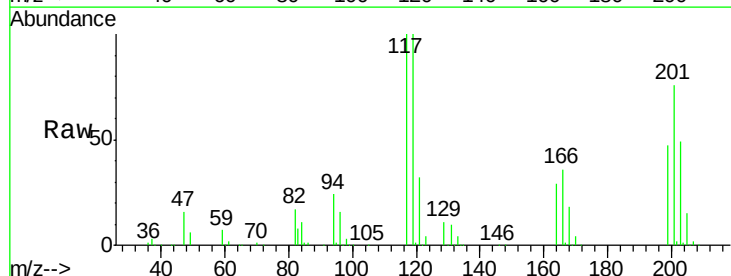
Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

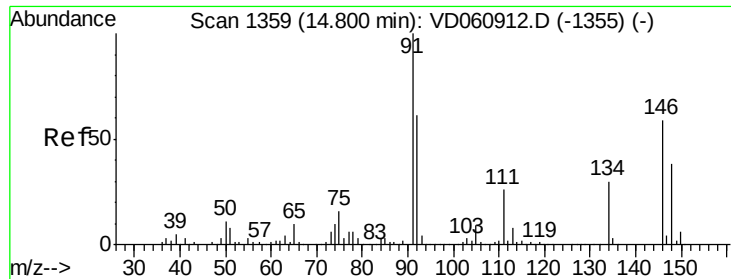
Tot Ion: 91 Resp: 1306517
Ion Ratio Lower Upper
91 100
92 61.1 30.4 91.2
134 24.0 14.1 42.2



#90
Hexachloroethane
Concen: 60.927 ug/l
RT: 15.01 min Scan# 1380
Delta R.T. 0.00 min
Lab File: VD060912.D
Acq: 1 Mar 2019 16:36

Tgt Ion: 117 Resp: 414676
Ion Ratio Lower Upper
117 100
201 75.6 41.4 124.4

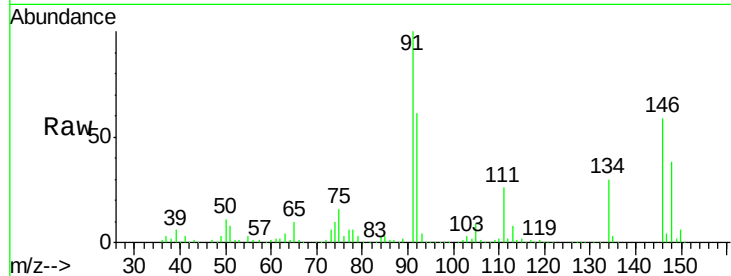




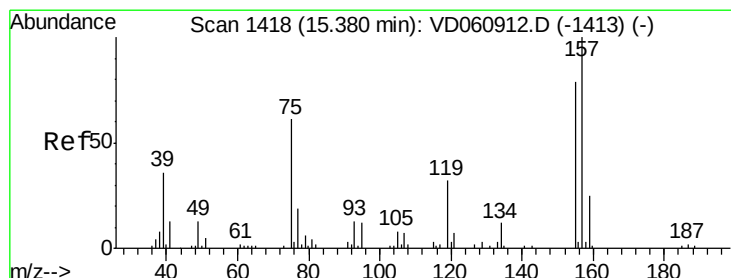
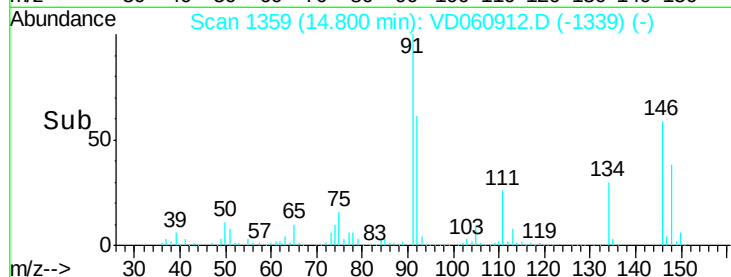
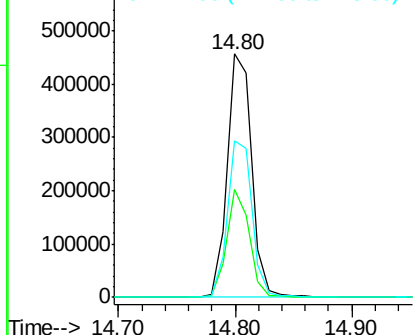
#91
 1,2-Dichlorobenzene
 Concen: 49.960 ug/l
 RT: 14.80 min Scan# 1359
 Delta R.T. -0.01 min
 Lab File: VD060912.D
 Acq: 1 Mar 2019 16:36

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

Tot Ion:146 Resp: 660065
 Ion Ratio Lower Upper
 146 100
 111 44.2 16.7 50.1
 148 64.3 32.6 97.8

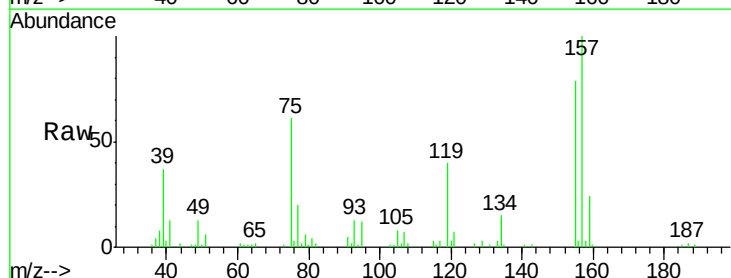


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

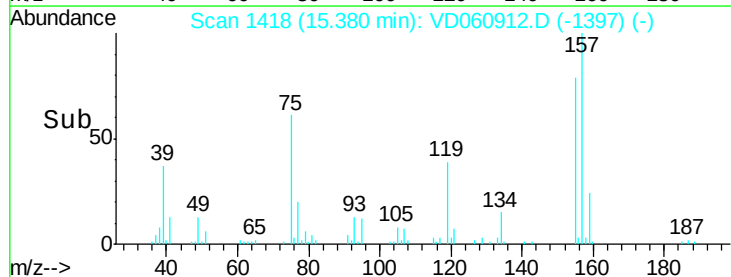
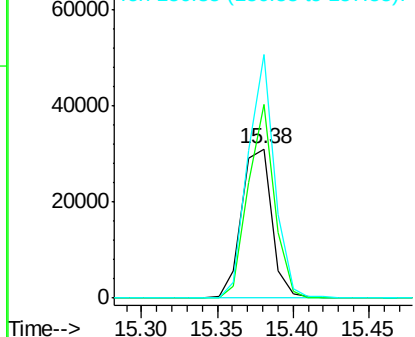


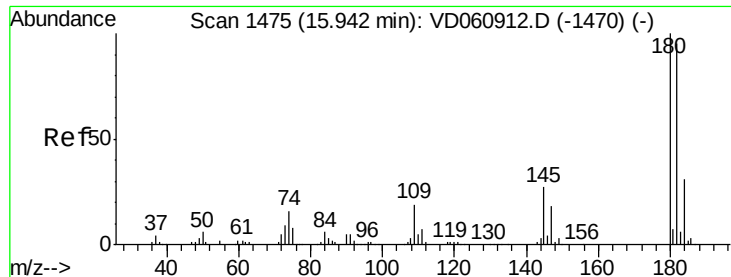
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 46.448 ug/l
 RT: 15.38 min Scan# 1418
 Delta R.T. 0.00 min
 Lab File: VD060912.D
 Acq: 1 Mar 2019 16:36

Tgt Ion: 75 Resp: 43187
 Ion Ratio Lower Upper
 75 100
 155 130.0 58.6 175.8
 157 163.5 75.1 225.3



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

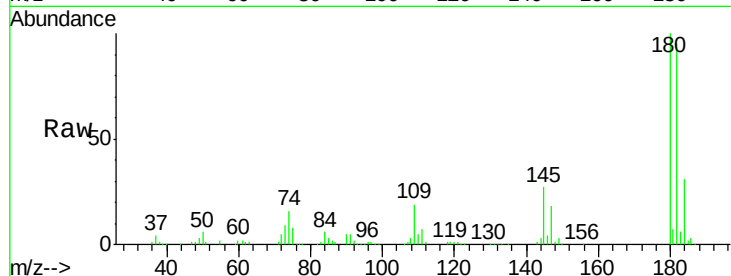




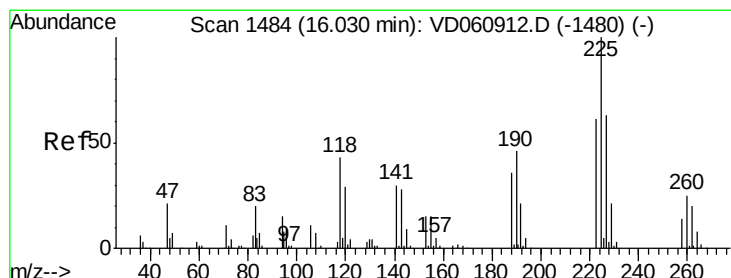
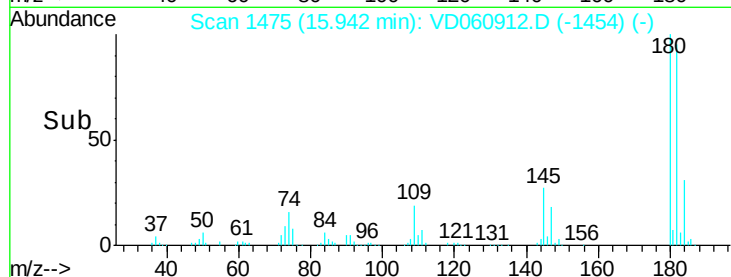
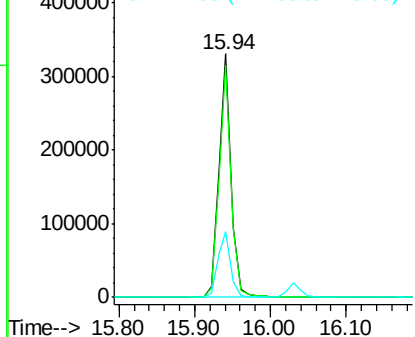
#93
 1,2,4-Trichlorobenzene
 Concen: 40.608 ug/l
 RT: 15.94 min Scan# 1475
 Delta R.T. 0.00 min
 Lab File: VD060912.D
 Acq: 1 Mar 2019 16:36

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

Tot Ion:180 Resp: 379686
 Ion Ratio Lower Upper
 180 100
 182 95.1 47.5 142.6
 145 27.0 14.3 42.9

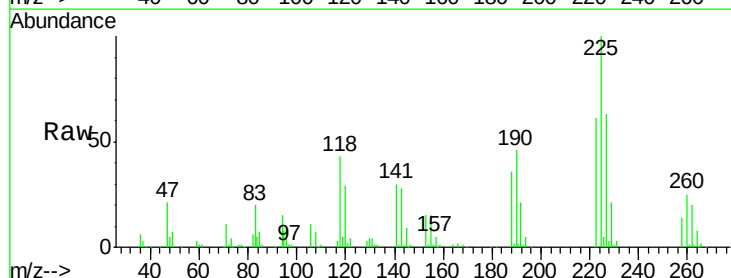


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

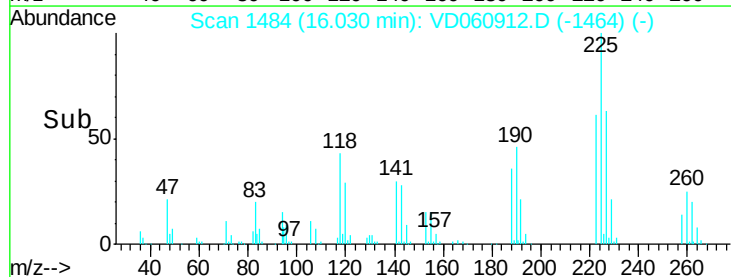
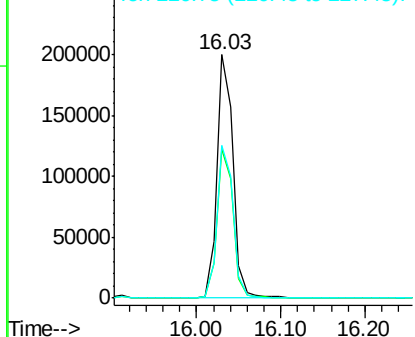


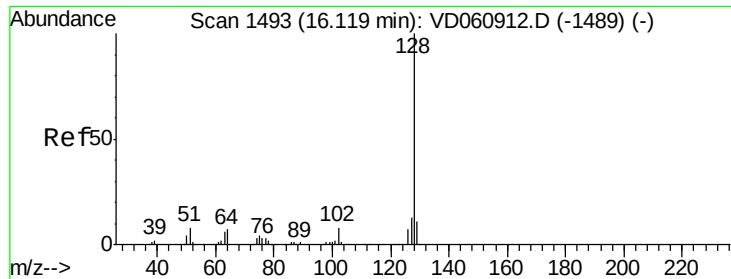
#94
 Hexachlorobutadiene
 Concen: 46.860 ug/l
 RT: 16.03 min Scan# 1484
 Delta R.T. -0.01 min
 Lab File: VD060912.D
 Acq: 1 Mar 2019 16:36

Tgt Ion:225 Resp: 262883
 Ion Ratio Lower Upper
 225 100
 223 60.9 30.6 91.6
 227 62.8 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: 39.458 ug/l

RT: 16.12 min Scan# 1493

Delta R.T. 0.00 min

Lab File: VD060912.D

Acq: 1 Mar 2019 16:36

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

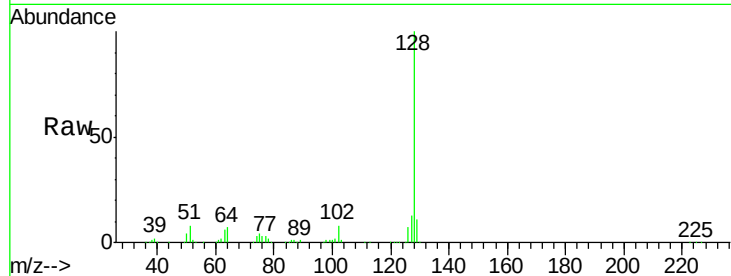
Tot Ion:128 Resp: 556217

Ion Ratio Lower Upper

128 100

127 12.6 9.7 14.5

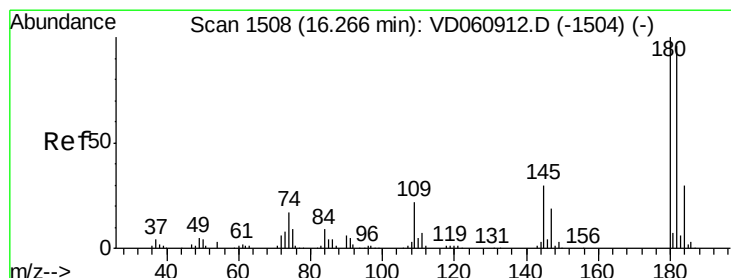
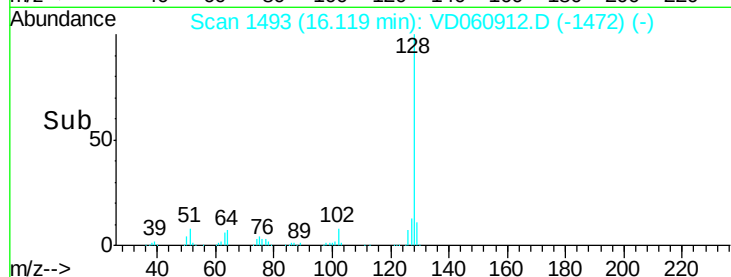
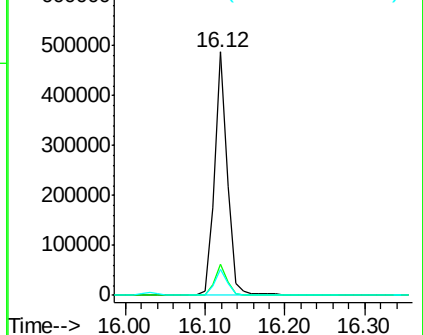
129 10.9 9.0 13.4



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 29.364 ug/l

RT: 16.27 min Scan# 1508

Delta R.T. 0.00 min

Lab File: VD060912.D

Acq: 1 Mar 2019 16:36

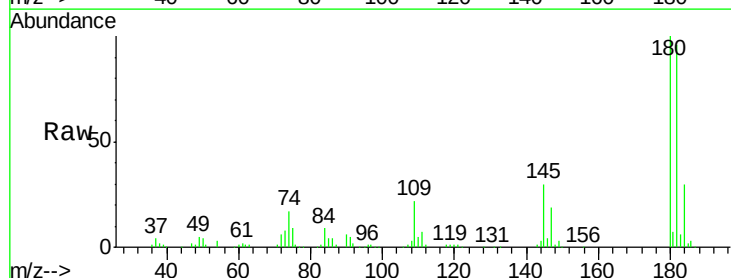
Tgt Ion:180 Resp: 211133

Ion Ratio Lower Upper

180 100

182 96.3 47.9 143.8

145 29.6 12.9 38.7



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

