

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD070218\
 Data File : VD059514.D
 Acq On : 2 Jul 2018 20:55
 Operator : VA/AP
 Sample : VSTDICV050
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD070218

Quant Time: Jul 03 09:06:29 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D070218S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 03 08:56:48 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.61	168	641531	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.66	114	909110	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.67	117	720127	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.90	152	396062	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.99	65	404585	48.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.58%	
35) Dibromofluoromethane	5.51	113	383432	50.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.28%	
50) Toluene-d8	8.68	98	881094	49.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.30%	
62) 4-Bromofluorobenzene	11.92	95	370609	49.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.00%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.32	85	395131	48.36	ug/l	99
3) Chloromethane	1.46	50	222464	57.46	ug/l	97
4) Vinyl Chloride	1.53	62	220273	57.03	ug/l	96
5) Bromomethane	1.76	94	80948	55.36	ug/l	93
6) Chloroethane	1.85	64	92394	53.16	ug/l	97
7) Trichlorofluoromethane	2.06	101	296612	46.43	ug/l	93
8) Diethyl Ether	2.31	74	66611	54.46	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	2.52	101	182945	47.07	ug/l	94
10) Methyl Iodide	2.66	142	209205	54.00	ug/l	97
11) Tert butyl alcohol	3.23	59	71020	256.00	ug/l	97
12) 1,1-Dichloroethene	2.51	96	141839	47.77	ug/l	90
13) Acrolein	2.44	56	31383	198.55	ug/l	96
14) Allyl chloride	2.88	41	337819	51.53	ug/l	94
15) Acrylonitrile	3.32	53	213106	277.91	ug/l	94
16) Acetone	2.59	43	278059	246.98	ug/l	98
17) Carbon Disulfide	2.72	76	513221	49.92	ug/l	100
18) Methyl Acetate	2.90	43	123503	55.43	ug/l	100
19) Methyl tert-butyl Ether	3.37	73	404684	52.72	ug/l	99
20) Methylene Chloride	3.03	84	175571	40.25	ug/l	96
21) trans-1,2-Dichloroethene	3.35	96	163640	49.90	ug/l	99
22) Diisopropyl ether	4.04	45	1173589	49.10	ug/l	97
23) Vinyl Acetate	3.98	43	3521043	266.94	ug/l	100
24) 1,1-Dichloroethane	3.93	63	650667	48.08	ug/l	99
25) 2-Butanone	4.80	43	594490	253.87	ug/l	95
26) 2,2-Dichloropropane	4.76	77	505742	45.71	ug/l	98
27) cis-1,2-Dichloroethene	4.76	96	350014	49.29	ug/l	98
28) Bromochloromethane	5.11	49	242189	46.65	ug/l	92
29) Tetrahydrofuran	5.15	42	293393	246.03	ug/l	99
30) Chloroform	5.29	83	698710	48.94	ug/l	97
31) Cyclohexane	5.55	56	455750	48.16	ug/l	99
32) 1,1,1-Trichloroethane	5.47	97	561916	49.68	ug/l	98
36) 1,1-Dichloropropene	5.71	75	471147	48.26	ug/l	99
37) Ethyl Acetate	4.89	43	291395	53.66	ug/l	99
38) Carbon Tetrachloride	5.69	117	471140	49.10	ug/l	97

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 Quant Title : SW846 8260
 QLast Update : Tue Jul 03 08:56:48 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.26	83	456578	51.35	µg/l	97
40) Benzene	5.99	78	1088963	48.47	µg/l	99
41) Methacrylonitrile	5.09	41	143211	51.99	µg/l	95
42) 1,2-Dichloroethane	6.09	62	509753	50.71	µg/l	98
43) Isopropyl Acetate	7.59	43	395643	55.06	µg/l #	99
44) Trichloroethene	6.95	130	347160	50.91	µg/l	97
45) 1,2-Dichloropropane	7.31	63	310531	49.44	µg/l	100
46) Dibromomethane	7.43	93	222739	52.41	µg/l	98
47) Bromodichloromethane	7.72	83	519377	52.50	µg/l	95
48) Methyl methacrylate	7.47	41	239213	53.38	µg/l	85
49) 1,4-Dioxane	7.47	88	44804	1072.98	µg/l #	86
51) 4-Methyl-2-Pentanone	8.57	43	1275375	271.80	µg/l	97
52) Toluene	8.77	92	604402	48.73	µg/l	96
53) t-1,3-Dichloropropene	9.17	75	460093	53.40	µg/l	98
54) cis-1,3-Dichloropropene	8.34	75	509093	50.95	µg/l	99
55) 1,1,2-Trichloroethane	9.43	97	225953	49.68	µg/l	96
56) Ethyl methacrylate	9.29	69	280870	49.29	µg/l	96
57) 1,3-Dichloropropane	9.64	76	403034	49.19	µg/l	96
58) 2-Chloroethyl Vinyl ether	8.16	63	741317	268.96	µg/l	96
59) 2-Hexanone	9.77	43	905377	262.33	µg/l	98
60) Dibromochloromethane	9.93	129	341735	53.83	µg/l	99
61) 1,2-Dibromoethane	10.07	107	255336	50.71	µg/l	99
64) Tetrachloroethene	9.49	164	320918	51.81	µg/l	96
65) Chlorobenzene	10.70	112	699549	50.43	µg/l	100
66) 1,1,1,2-Tetrachloroethane	10.83	131	286989	50.80	µg/l	97
67) Ethyl Benzene	10.84	91	1229171	49.97	µg/l	96
68) m/p-Xylenes	11.00	106	812795	100.16	µg/l	96
69) o-Xylene	11.39	106	403946	51.66	µg/l	96
70) Styrene	11.42	104	649092	49.52	µg/l	98
71) Bromoform	11.59	173	240961	56.51	µg/l	100
73) Isopropylbenzene	11.76	105	1109323	46.87	µg/l	99
74) N-amyl acetate	11.64	43	498502	49.91	µg/l	96
75) 1,1,2,2-Tetrachloroethane	12.06	83	288664	47.07	µg/l	97
76) 1,2,3-Trichloropropane	12.10	75	290666	45.48	µg/l	99
77) Bromobenzene	12.03	156	364573	49.08	µg/l	88
78) n-propylbenzene	12.14	91	1448384	45.68	µg/l	97
79) 2-Chlorotoluene	12.21	91	875808	46.97	µg/l	98
80) 1,3,5-Trimethylbenzene	12.31	105	897444	46.65	µg/l	99
81) trans-1,4-Dichloro-2-buten	11.83	75	73307	43.30	µg/l	87
82) 4-Chlorotoluene	12.32	91	983285	46.53	µg/l	96
83) tert-Butylbenzene	12.56	119	1023965	46.79	µg/l	90
84) 1,2,4-Trimethylbenzene	12.61	105	965625	46.73	µg/l	95
85) sec-Butylbenzene	12.75	105	1166777	46.46	µg/l	98
86) p-Isopropyltoluene	12.88	119	949403	45.06	µg/l	97
87) 1,3-Dichlorobenzene	12.83	146	592462	46.58	µg/l	96
88) 1,4-Dichlorobenzene	12.92	146	595133	47.67	µg/l	98
89) n-Butylbenzene	13.18	91	972985	45.28	µg/l	97
90) Hexachloroethane	13.39	117	270549	49.57	µg/l	93
91) 1,2-Dichlorobenzene	13.18	146	489662	45.77	µg/l	98
92) 1,2-Dibromo-3-Chloropropan	13.76	75	52917	50.06	µg/l	85

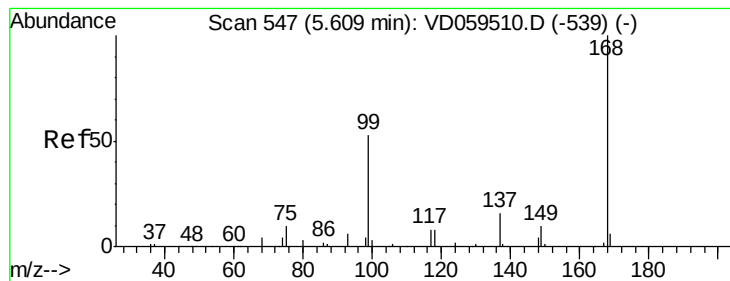
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD070218\
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Quant Time: Jul 03 09:06:29 2018
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Quant Title : SW846 8260
QLast Update : Tue Jul 03 08:56:48 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.33	180	450051	47.46	ug/l	98
94) Hexachlorobutadiene	14.42	225	343113	47.30	ug/l	98
95) Naphthalene	14.50	128	719839	51.03	ug/l	99
96) 1,2,3-Trichlorobenzene	14.65	180	413161	49.55	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.61 min Scan# 547

Delta R.T. 0.00 min

Lab File: VD059514.D

Acq: 2 Jul 2018 20:55

Instrument :

MSVOA_D

ClientSampleId :

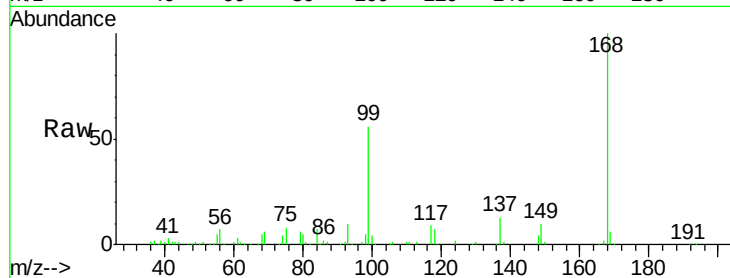
ICVVD070218

Tot Ion:168 Resp: 641531

Ion Ratio Lower Upper

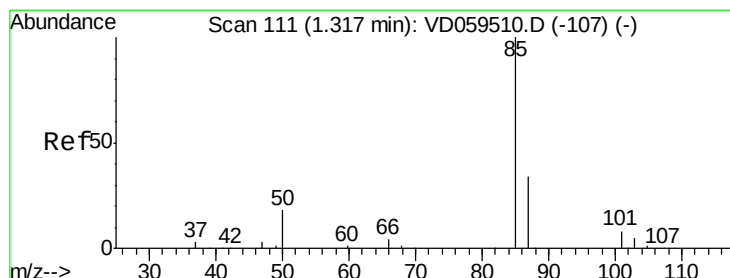
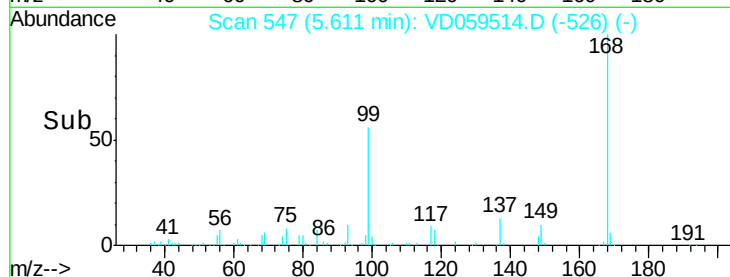
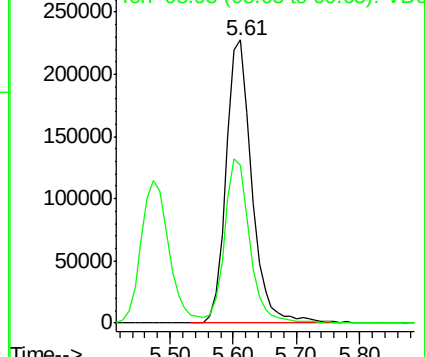
168 100

99 56.0 45.1 67.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#2

Dichlorodifluoromethane

Concen: 48.36 ug/l

RT: 1.32 min Scan# 111

Delta R.T. 0.00 min

Lab File: VD059514.D

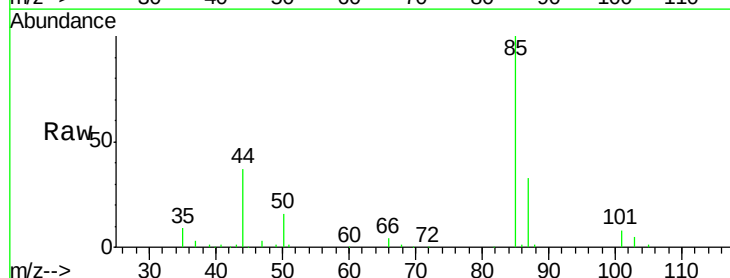
Acq: 2 Jul 2018 20:55

Tgt Ion: 85 Resp: 395131

Ion Ratio Lower Upper

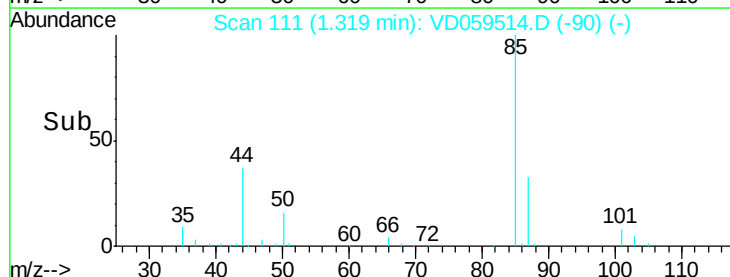
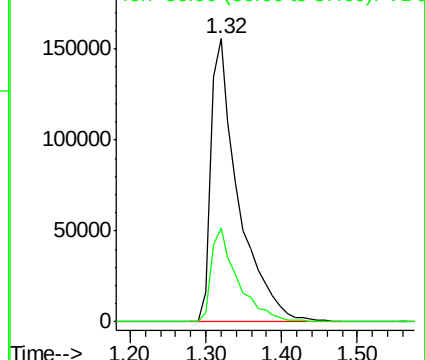
85 100

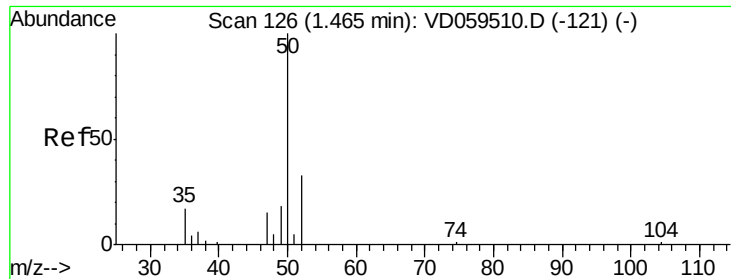
87 33.0 16.8 50.4



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 57.46 ug/l

RT: 1.46 min Scan# 125

Delta R.T. -0.01 min

Lab File: VD059514.D

Acq: 2 Jul 2018 20:55

Instrument :

MSVOA_D

ClientSampleId :

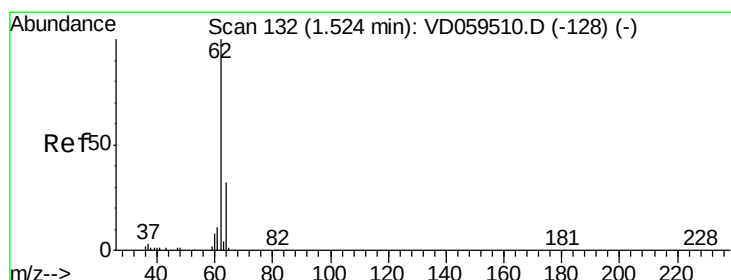
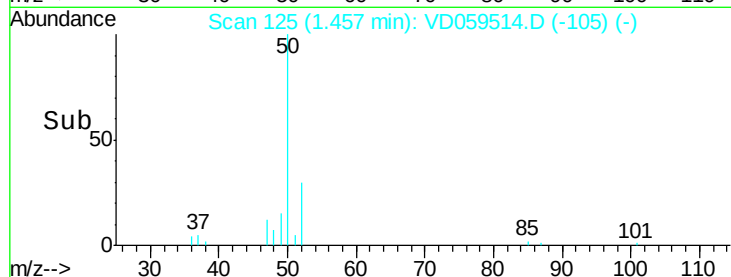
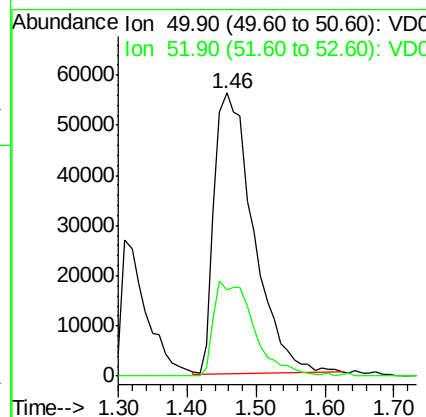
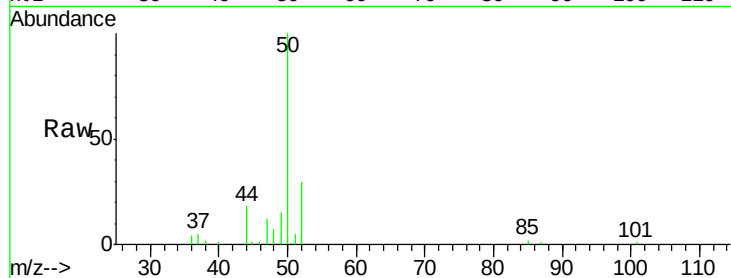
ICVVD070218

Tot Ion: 50 Resp: 222464

Ion Ratio Lower Upper

50 100

52 30.4 25.8 38.6



#4

Vinyl Chloride

Concen: 57.03 ug/l

RT: 1.53 min Scan# 132

Delta R.T. 0.00 min

Lab File: VD059514.D

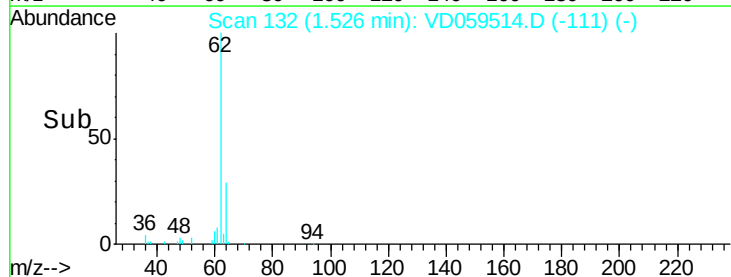
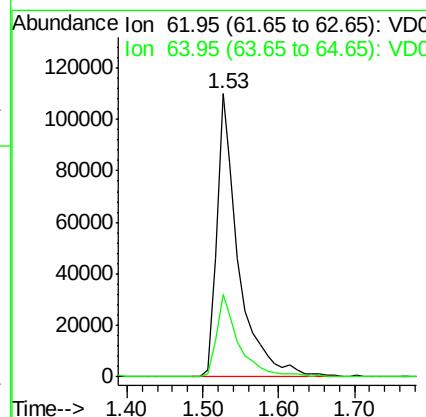
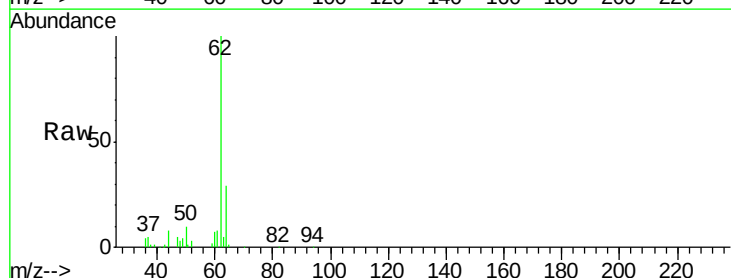
Acq: 2 Jul 2018 20:55

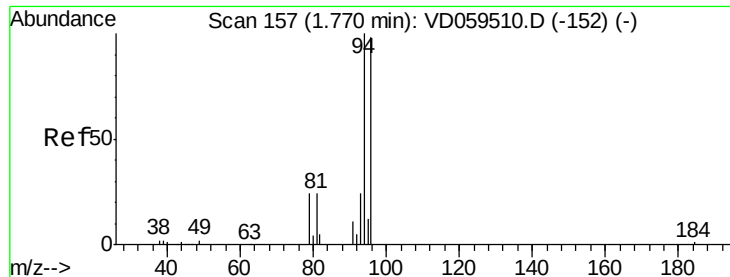
Tgt Ion: 62 Resp: 220273

Ion Ratio Lower Upper

62 100

64 29.3 25.4 38.2





#5

Bromomethane

Concen: 55.36 ug/l

RT: 1.76 min Scan# 156

Delta R.T. -0.01 min

Lab File: VD059514.D

Acq: 2 Jul 2018 20:55

Instrument :

MSVOA_D

ClientSampleId :

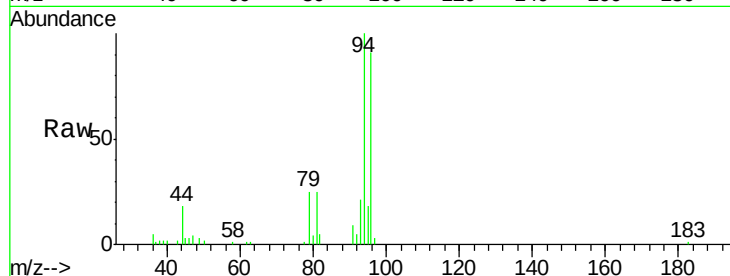
ICVVD070218

Tot Ion: 94 Resp: 80948

Ion Ratio Lower Upper

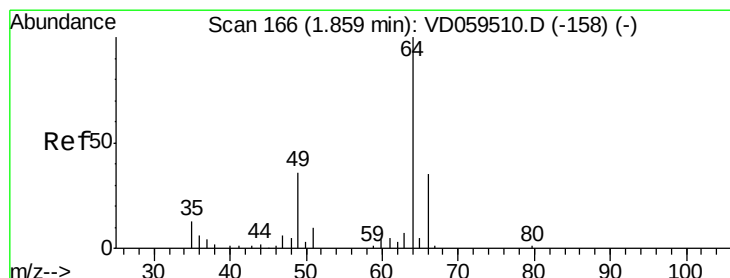
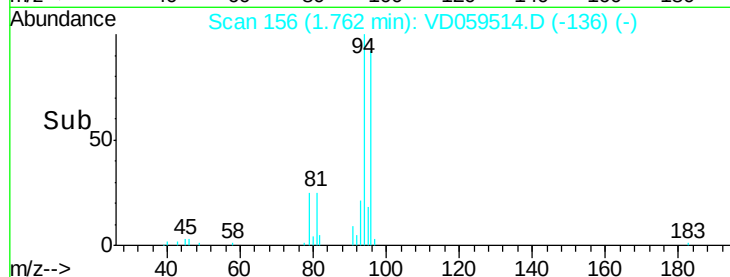
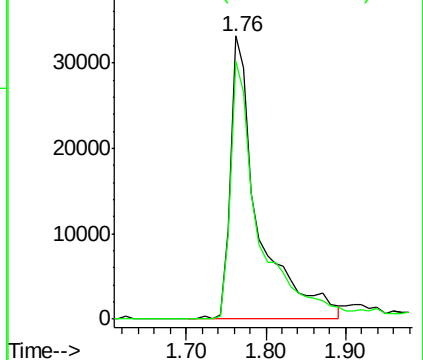
94 100

96 91.1 78.2 117.4



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 53.16 ug/l

RT: 1.85 min Scan# 165

Delta R.T. -0.01 min

Lab File: VD059514.D

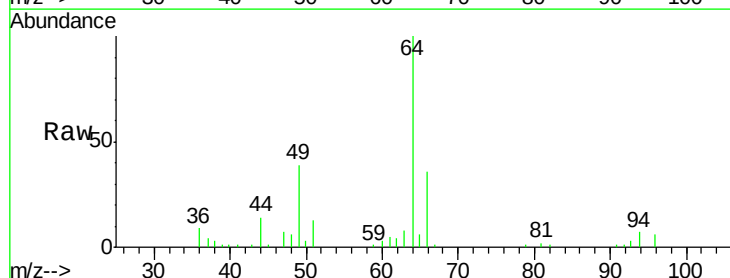
Acq: 2 Jul 2018 20:55

Tgt Ion: 64 Resp: 92394

Ion Ratio Lower Upper

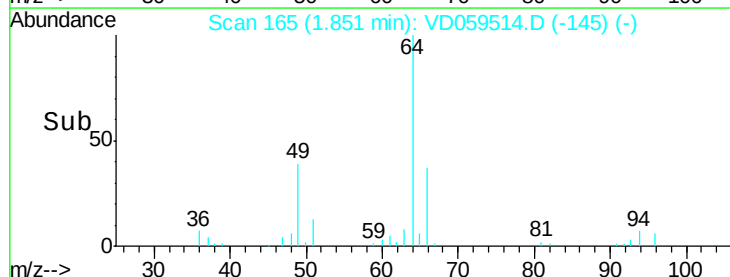
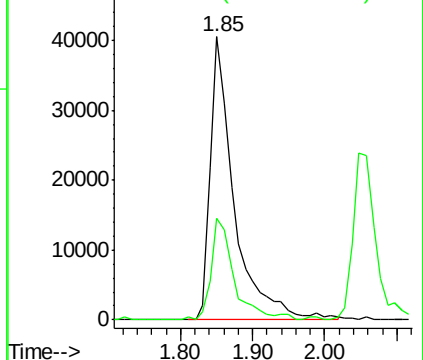
64 100

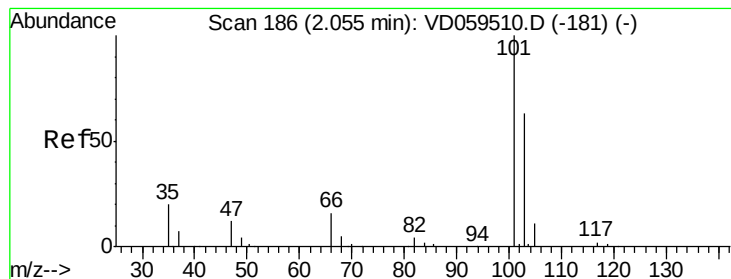
66 36.1 27.6 41.4



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC



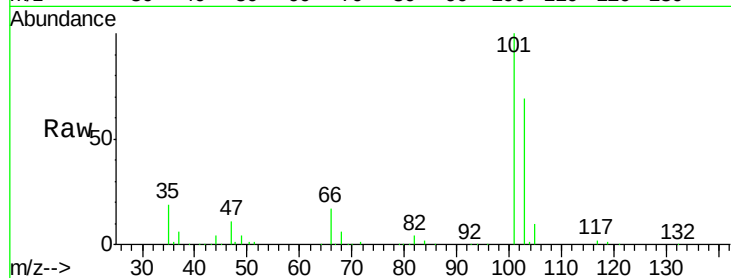


#7

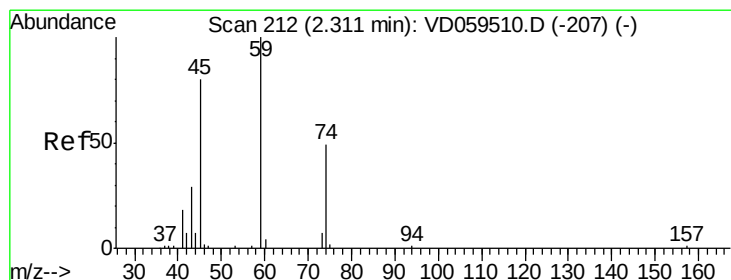
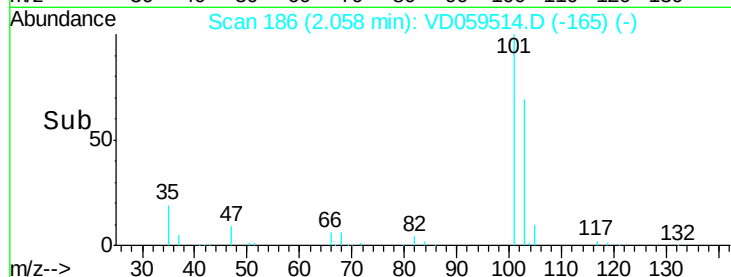
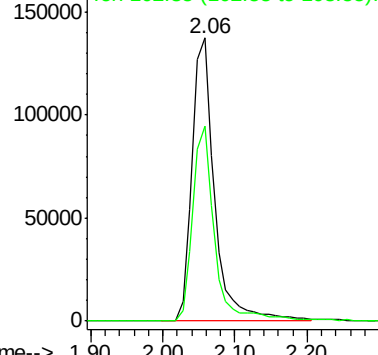
Trichlorofluoromethane
 Concen: 46.43 ug/l
 RT: 2.06 min Scan# 186
 Delta R.T. 0.00 min
 Lab File: VD059514.D
 Acq: 2 Jul 2018 20:55

Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD070218

Tot Ion:101 Resp: 296612
 Ion Ratio Lower Upper
 101 100
 103 69.0 50.6 76.0



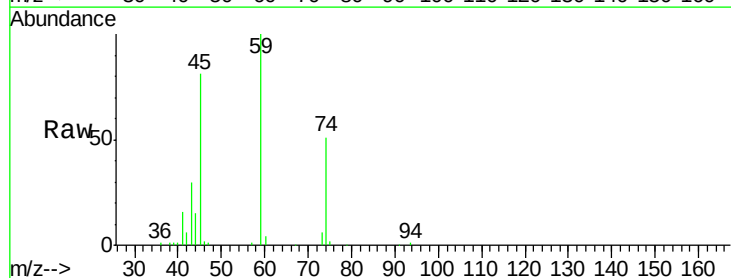
Abundance Ion 100.85 (100.55 to 101.55): V
 Ion 102.85 (102.55 to 103.55): V



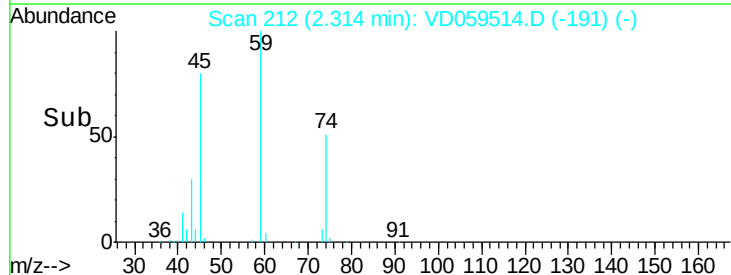
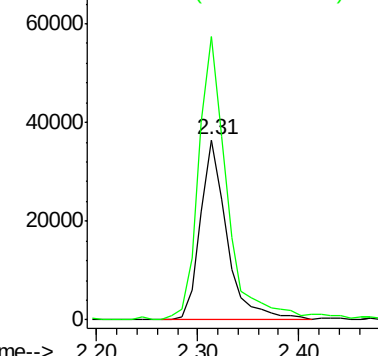
#8

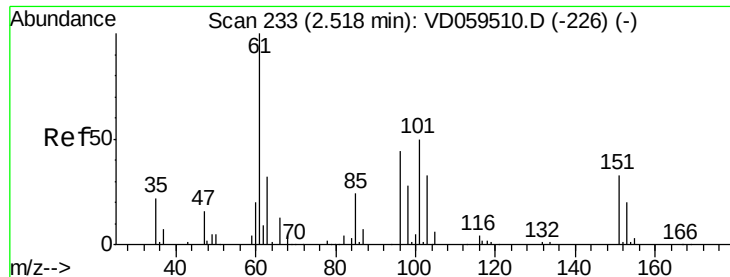
Diethyl Ether
 Concen: 54.46 ug/l
 RT: 2.31 min Scan# 212
 Delta R.T. 0.00 min
 Lab File: VD059514.D
 Acq: 2 Jul 2018 20:55

Tgt Ion: 74 Resp: 66611
 Ion Ratio Lower Upper
 74 100
 45 157.0 83.5 250.3



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





#9

1,1,2-Trichlorotrifluoroethane

Concen: 47.07 ug/l

RT: 2.52 min Scan# 233

Delta R.T. 0.00 min

Lab File: VD059514.D

Acq: 2 Jul 2018 20:55

Instrument :

MSVOA_D

ClientSampleId :

ICVVD070218

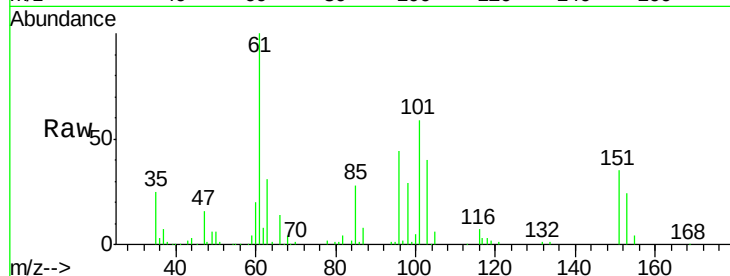
Tot Ion:101 Resp: 182945

Ion Ratio Lower Upper

101 100

85 46.7 38.8 58.2

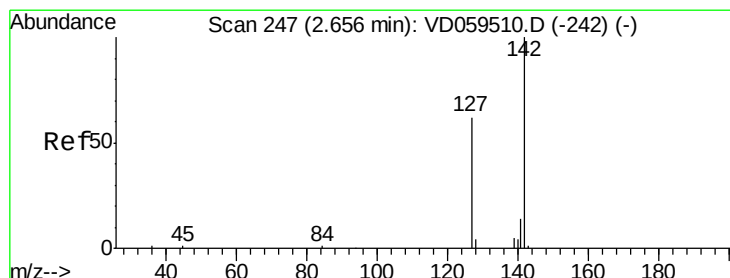
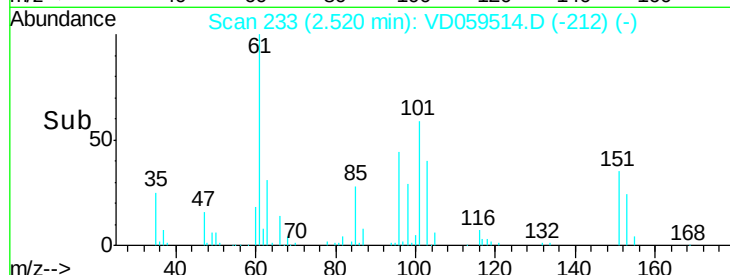
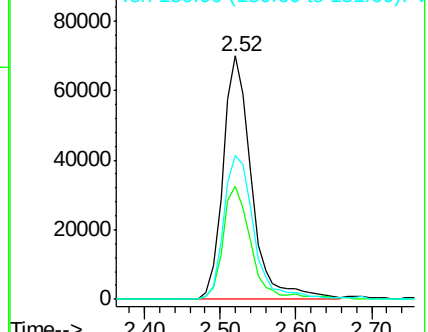
151 59.1 52.6 79.0



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: 54.00 ug/l

RT: 2.66 min Scan# 247

Delta R.T. 0.00 min

Lab File: VD059514.D

Acq: 2 Jul 2018 20:55

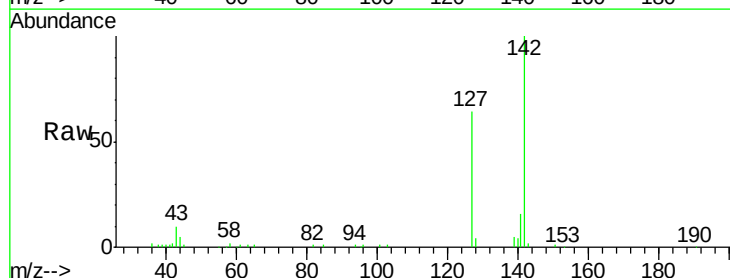
Tgt Ion:142 Resp: 209205

Ion Ratio Lower Upper

142 100

127 64.2 49.8 74.8

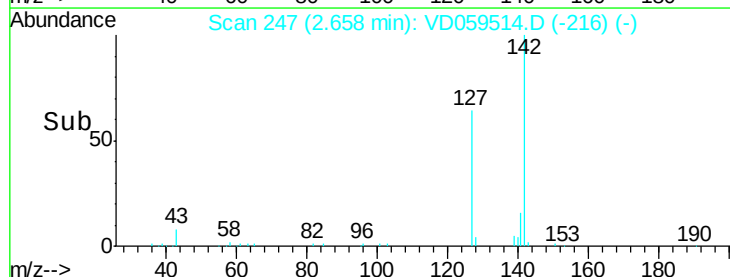
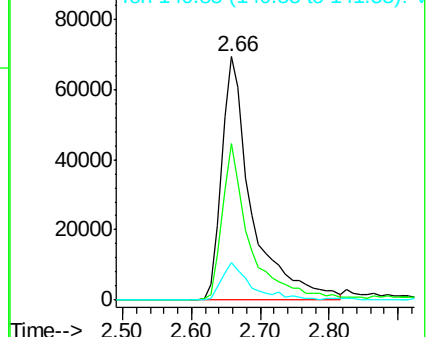
141 15.6 11.1 16.7

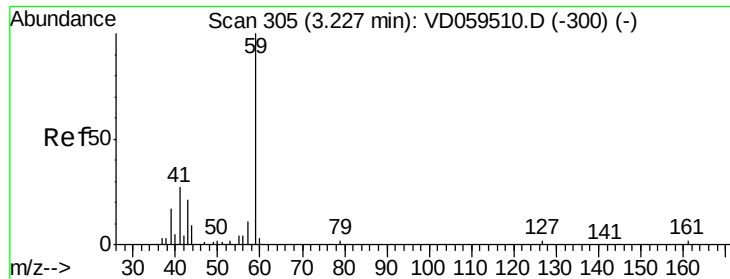


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V

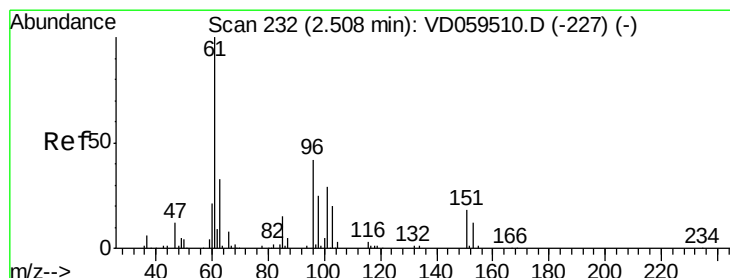
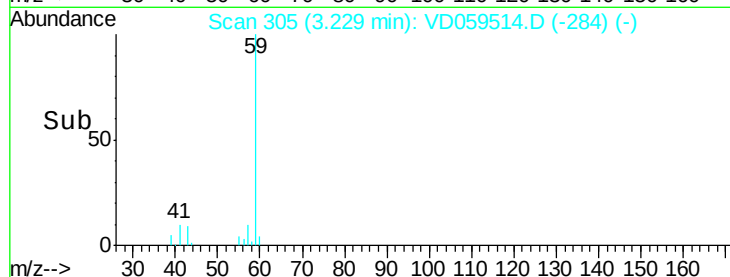
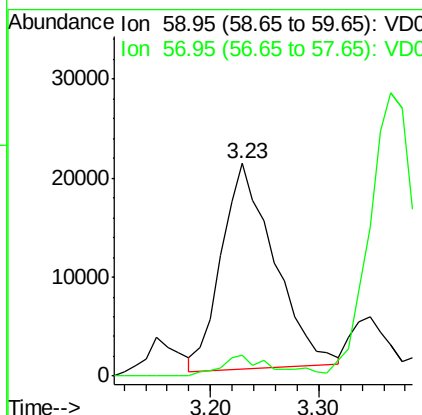
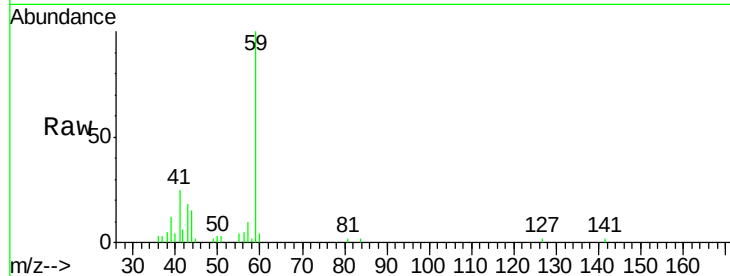




#11
Tert butyl alcohol
Concen: 256.00 ug/l
RT: 3.23 min Scan# 305
Delta R.T. 0.00 min
Lab File: VD059514.D
Acq: 2 Jul 2018 20:55

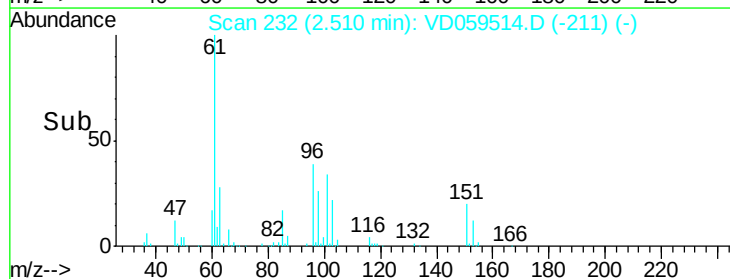
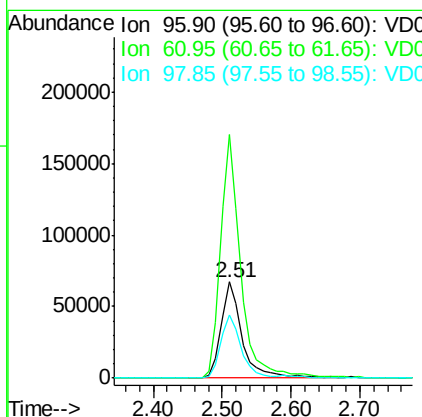
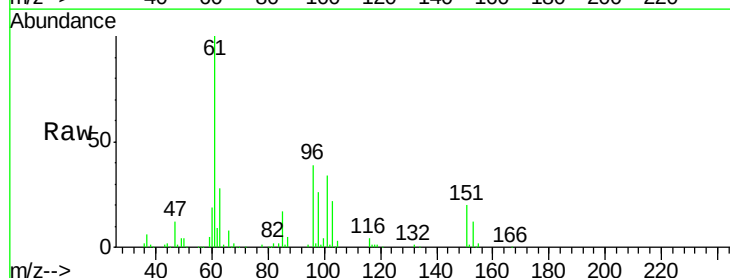
Instrument :
MSVOA_D
ClientSampleId :
ICVVD070218

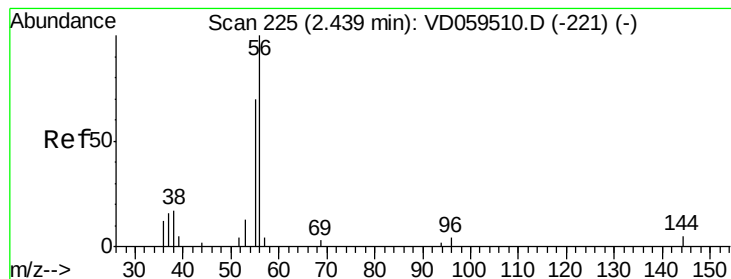
Tot Ion: 59 Resp: 71020
Ion Ratio Lower Upper
59 100
57 9.7 8.6 12.8



#12
1,1-Dichloroethene
Concen: 47.77 ug/l
RT: 2.51 min Scan# 232
Delta R.T. 0.00 min
Lab File: VD059514.D
Acq: 2 Jul 2018 20:55

Tgt Ion: 96 Resp: 141839
Ion Ratio Lower Upper
96 100
61 254.1 189.4 284.0
98 66.2 47.9 71.9





#13

Acrolein

Concen: 198.55 ug/l

RT: 2.44 min Scan# 225

Delta R.T. 0.00 min

Lab File: VD059514.D

Acq: 2 Jul 2018 20:55

Instrument :

MSVOA_D

ClientSampleId :

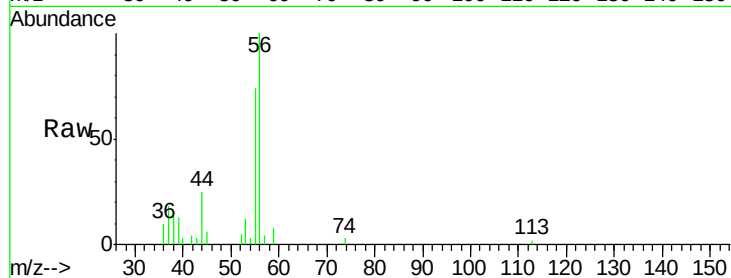
ICVVD070218

Tot Ion: 56 Resp: 31383

Ion Ratio Lower Upper

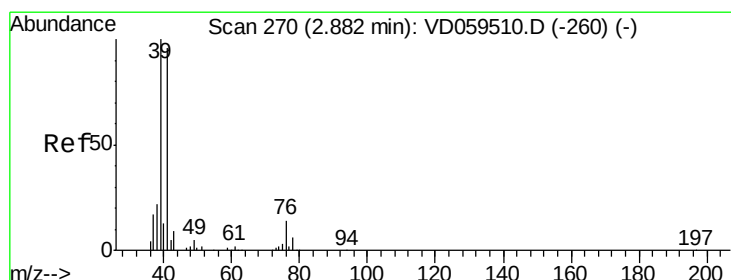
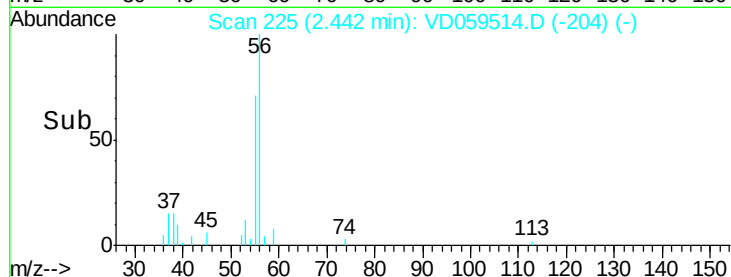
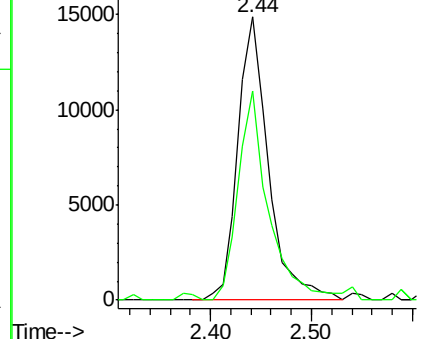
56 100

55 73.7 56.0 84.0



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 51.53 ug/l

RT: 2.88 min Scan# 270

Delta R.T. 0.00 min

Lab File: VD059514.D

Acq: 2 Jul 2018 20:55

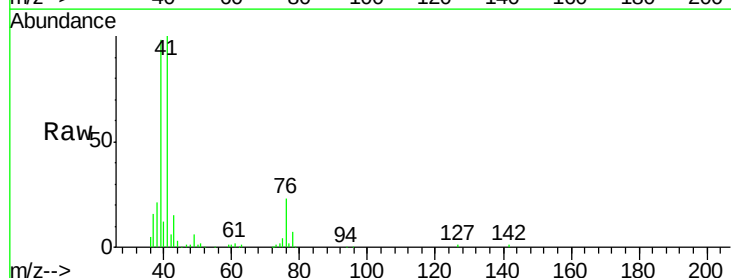
Tgt Ion: 41 Resp: 337819

Ion Ratio Lower Upper

41 100

39 97.7 83.8 125.8

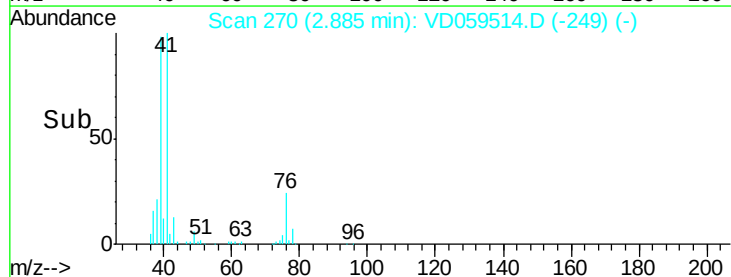
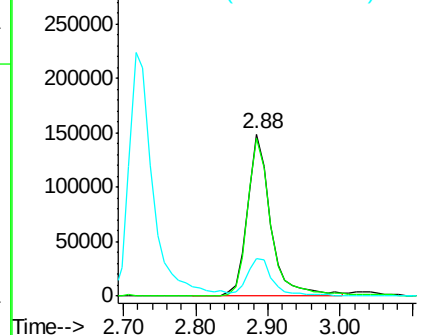
76 23.5 18.4 27.6

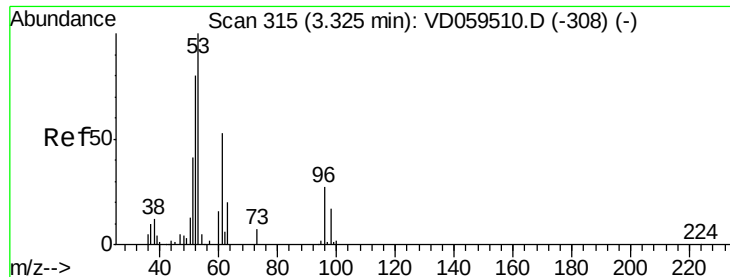


Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC





#15

Acrylonitrile

Concen: 277.91 ug/l

RT: 3.32 min Scan# 314

Delta R.T. -0.01 min

Lab File: VD059514.D

Acq: 2 Jul 2018 20:55

Instrument :

MSVOA_D

ClientSampleId :

ICVVD070218

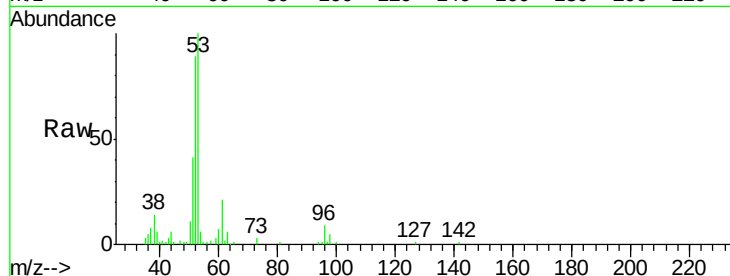
Tot Ion: 53 Resp: 213106

Ion Ratio Lower Upper

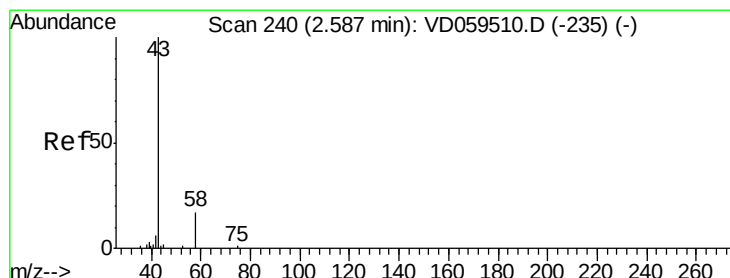
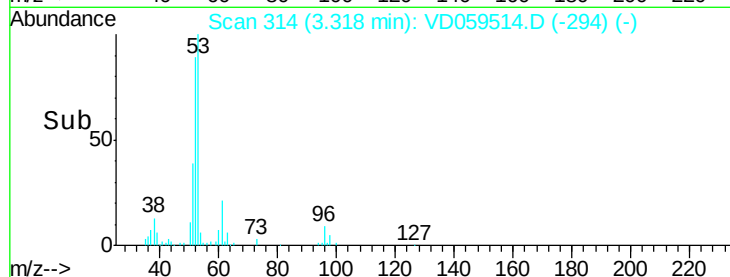
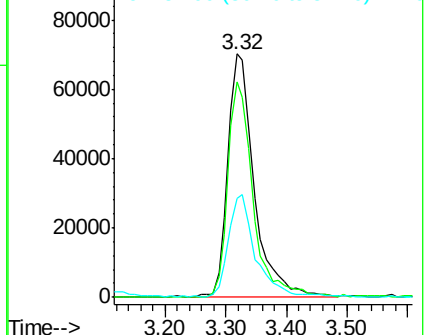
53 100

52 88.6 64.3 96.5

51 40.8 33.0 49.4



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: 246.98 ug/l

RT: 2.59 min Scan# 240

Delta R.T. 0.00 min

Lab File: VD059514.D

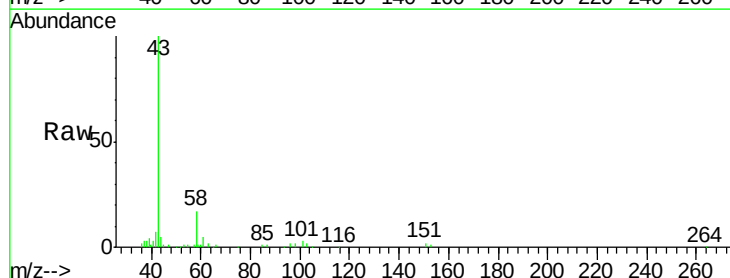
Acq: 2 Jul 2018 20:55

Tgt Ion: 43 Resp: 278059

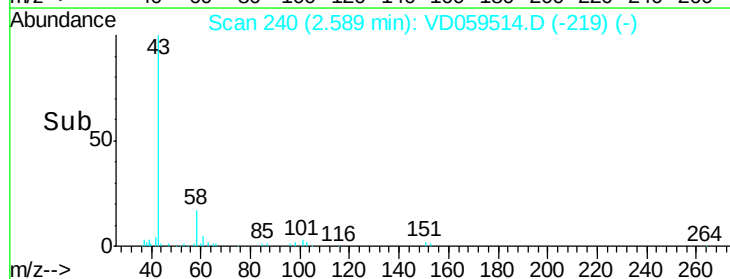
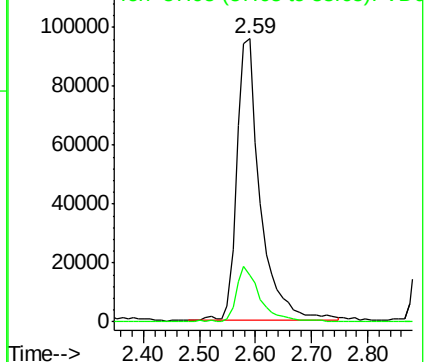
Ion Ratio Lower Upper

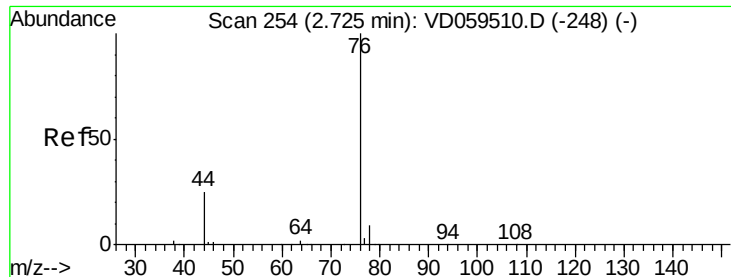
43 100

58 16.6 13.8 20.8



Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 57.95 (57.65 to 58.65): VDC





#17

Carbon Disulfide

Concen: 49.92 ug/l

RT: 2.72 min Scan# 253

Delta R.T. -0.01 min

Lab File: VD059514.D

Acq: 2 Jul 2018 20:55

Instrument :

MSVOA_D

ClientSampleId :

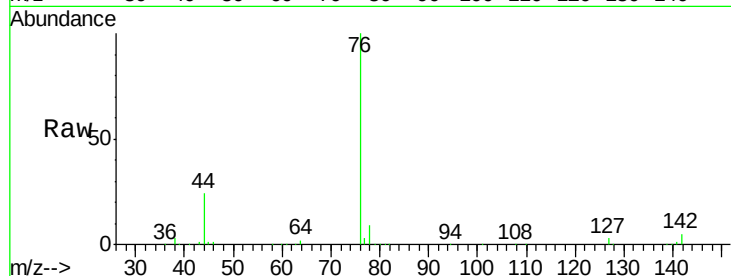
ICVVD070218

Tot Ion: 76 Resp: 513221

Ion Ratio Lower Upper

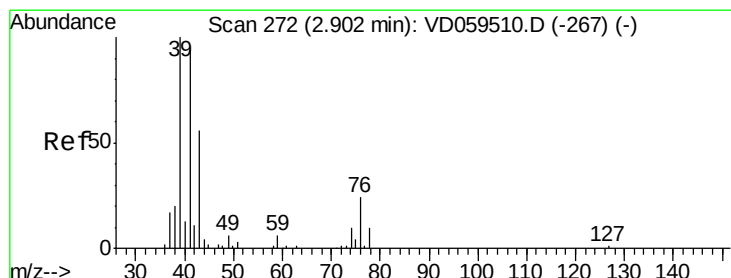
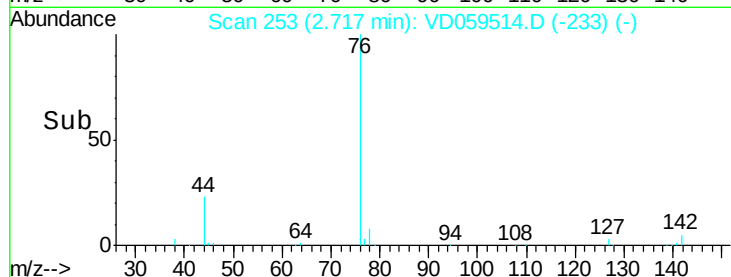
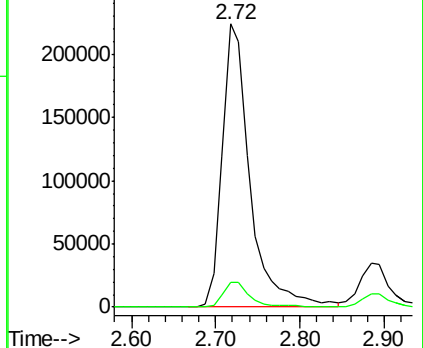
76 100

78 8.8 6.9 10.3



Abundance Ion 75.85 (75.55 to 76.55): VDC

Ion 77.85 (77.55 to 78.55): VDC



#18

Methyl Acetate

Concen: 55.43 ug/l

RT: 2.90 min Scan# 272

Delta R.T. 0.00 min

Lab File: VD059514.D

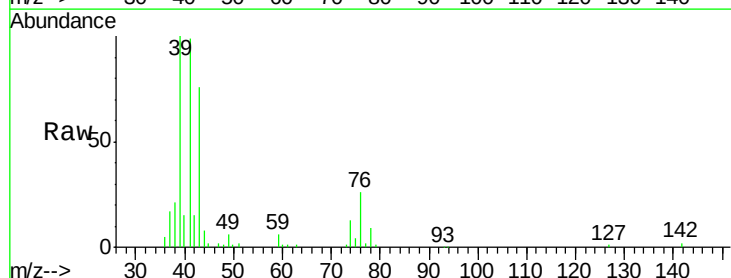
Acq: 2 Jul 2018 20:55

Tgt Ion: 43 Resp: 123503

Ion Ratio Lower Upper

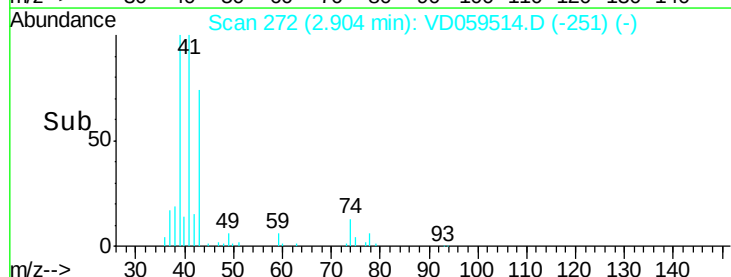
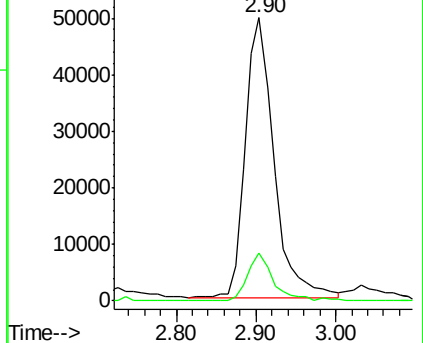
43 100

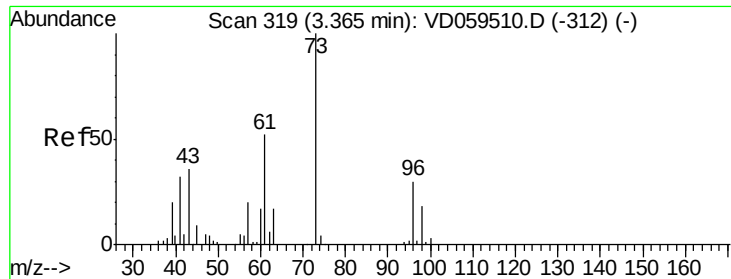
74 17.1 13.8 20.8



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC

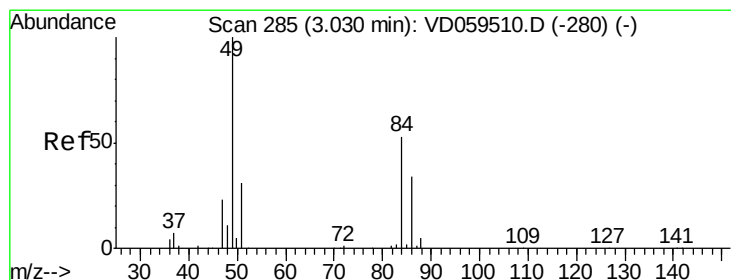
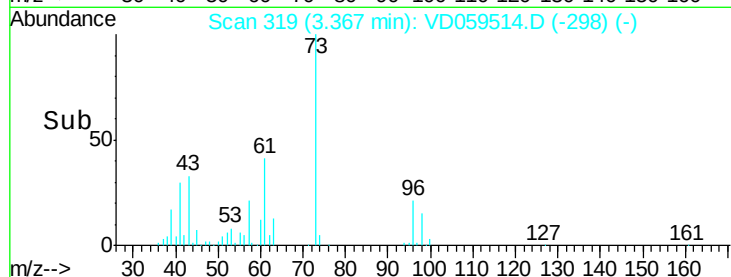
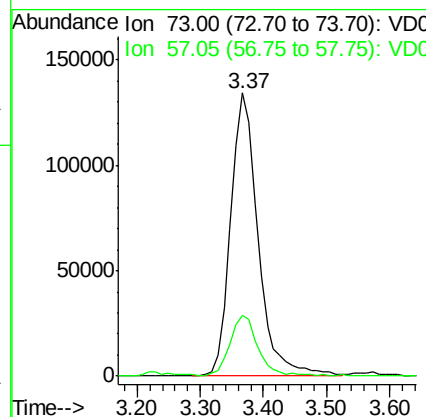
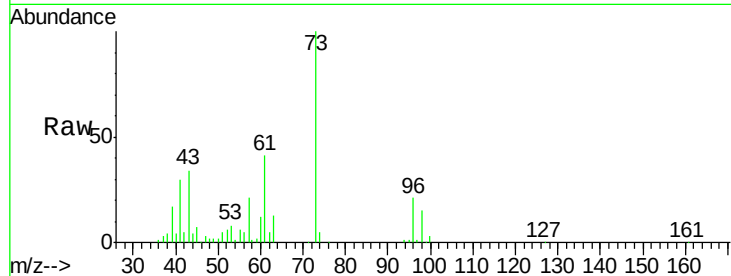




#19
Methyl tert-butyl Ether
Concen: 52.72 ug/l
RT: 3.37 min Scan# 319
Delta R.T. 0.00 min
Lab File: VD059514.D
Acq: 2 Jul 2018 20:55

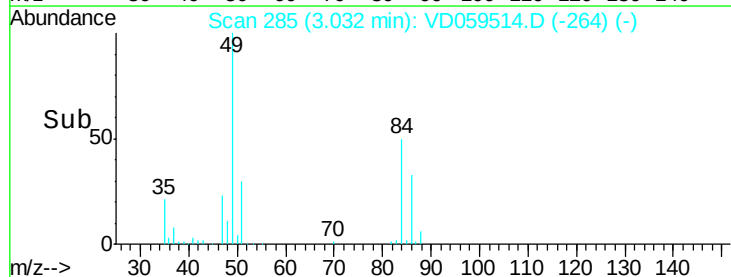
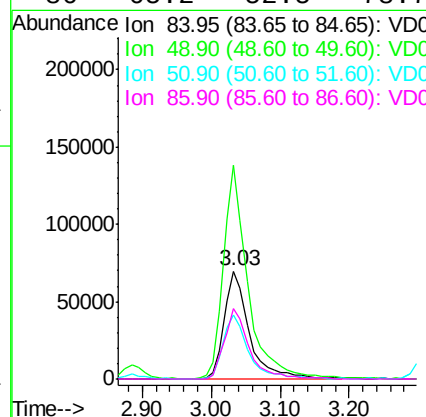
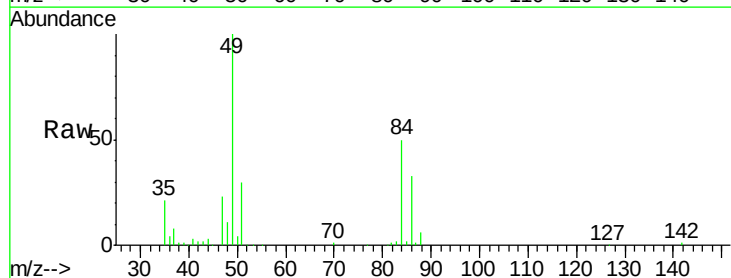
Instrument :
MSVOA_D
ClientSampleId :
ICVVD070218

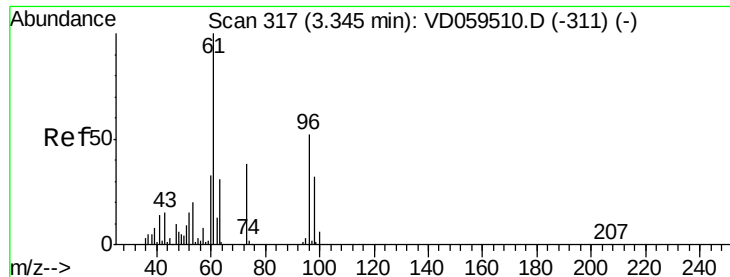
Tot Ion: 73 Resp: 404684
Ion Ratio Lower Upper
73 100
57 21.3 16.5 24.7



#20
Methylene Chloride
Concen: 40.25 ug/l
RT: 3.03 min Scan# 285
Delta R.T. 0.00 min
Lab File: VD059514.D
Acq: 2 Jul 2018 20:55

Tgt Ion: 84 Resp: 175571
Ion Ratio Lower Upper
84 100
49 198.3 152.2 228.2
51 59.1 46.5 69.7
86 65.2 52.5 78.7





#21

trans-1,2-Dichloroethene

Concen: 49.90 ug/l

RT: 3.35 min Scan# 317

Delta R.T. 0.00 min

Lab File: VD059514.D

Acq: 2 Jul 2018 20:55

Instrument :

MSVOA_D

ClientSampleId :

ICVVD070218

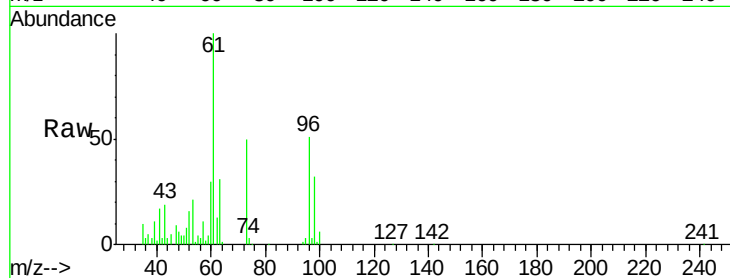
Tot Ion: 96 Resp: 163640

Ion Ratio Lower Upper

96 100

61 195.8 154.7 232.1

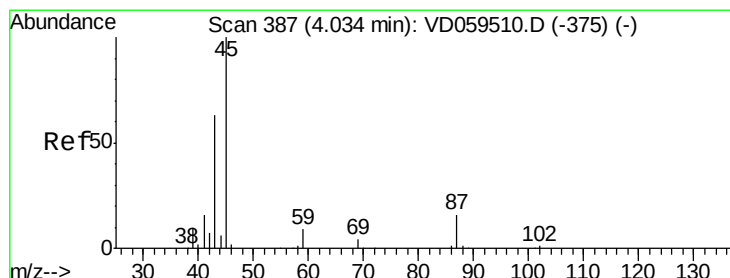
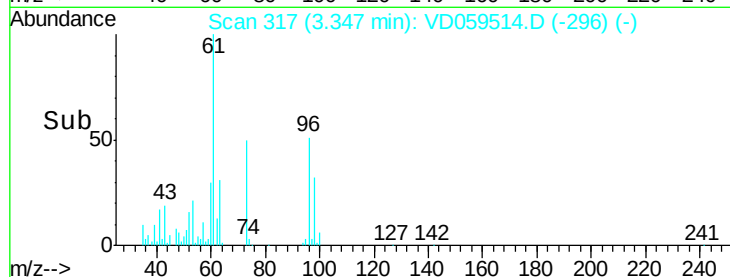
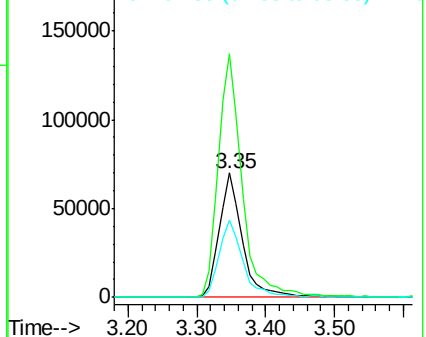
98 62.1 49.9 74.9



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: 49.10 ug/l

RT: 4.04 min Scan# 387

Delta R.T. 0.00 min

Lab File: VD059514.D

Acq: 2 Jul 2018 20:55

Tgt Ion: 45 Resp: 1173589

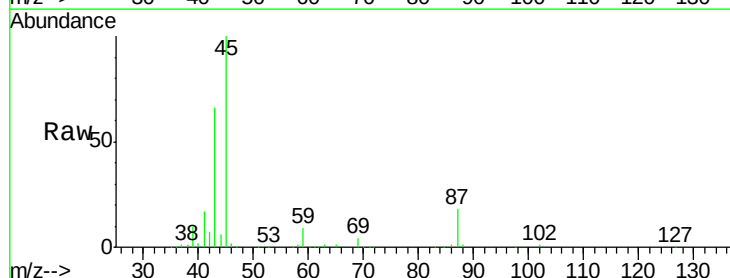
Ion Ratio Lower Upper

45 100

43 66.0 50.7 76.1

87 18.2 13.4 20.0

59 9.0 7.4 11.0

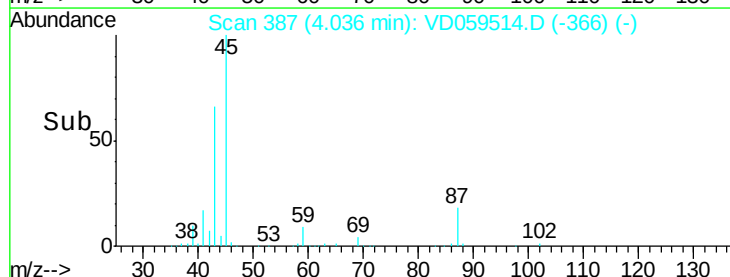
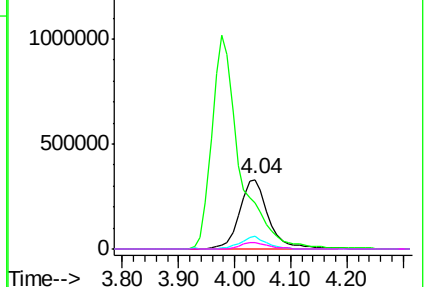


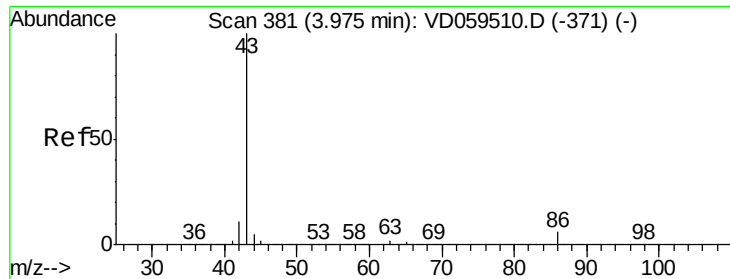
Abundance Ion 45.05 (44.75 to 45.75): VDC

Ion 43.05 (42.75 to 43.75): VDC

Ion 87.00 (86.70 to 87.70): VDC

Ion 58.95 (58.65 to 59.65): VDC





#23

Vinyl Acetate

Concen: 266.94 ug/l

RT: 3.98 min Scan# 381

Delta R.T. 0.00 min

Lab File: VD059514.D

Acq: 2 Jul 2018 20:55

Instrument :

MSVOA_D

ClientSampleId :

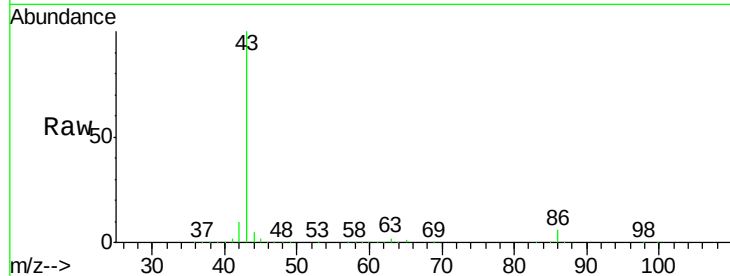
ICVVD070218

Tot Ion: 43 Resp: 3521043

Ion Ratio Lower Upper

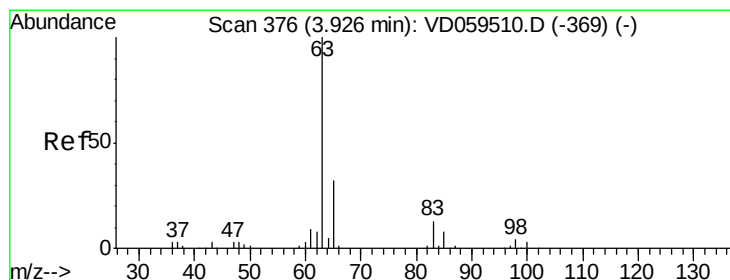
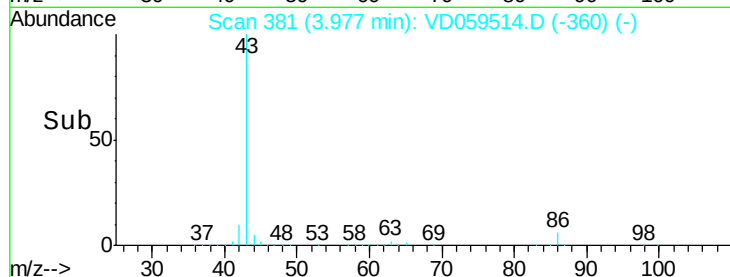
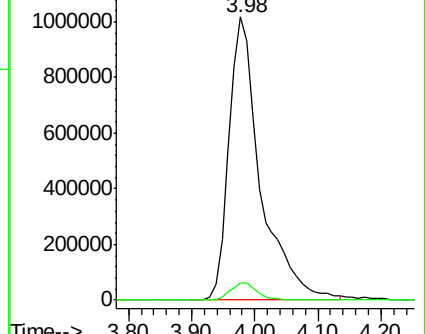
43 100

86 6.2 5.0 7.4



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 48.08 ug/l

RT: 3.93 min Scan# 376

Delta R.T. 0.00 min

Lab File: VD059514.D

Acq: 2 Jul 2018 20:55

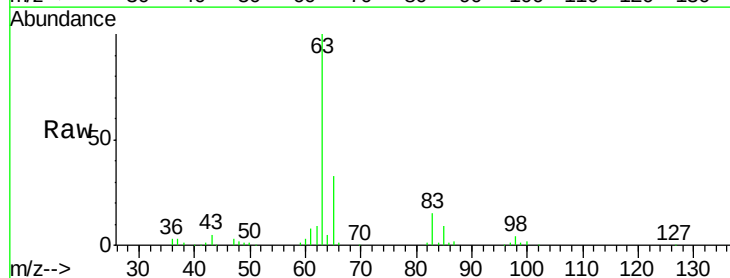
Tgt Ion: 63 Resp: 650667

Ion Ratio Lower Upper

63 100

98 3.9 2.0 5.8

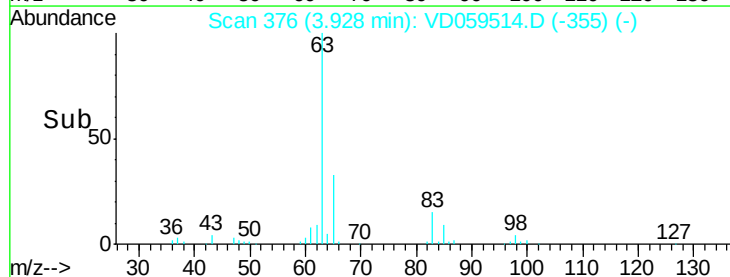
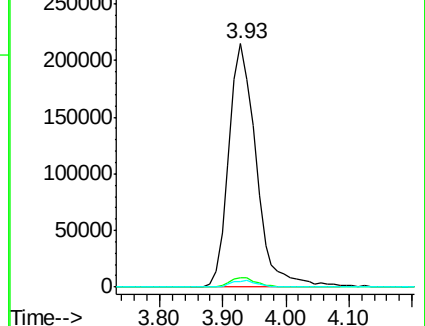
100 2.2 1.5 4.4

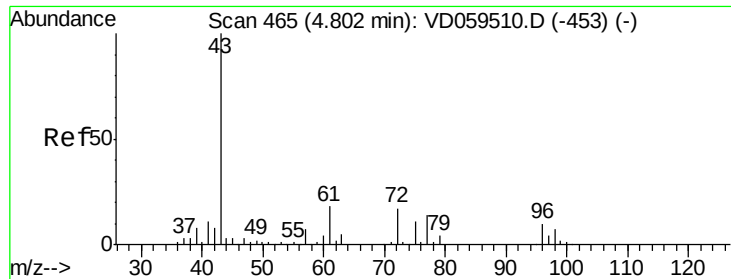


Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC





#25

2-Butanone

Concen: 253.87 ug/l

RT: 4.80 min Scan# 465

Delta R.T. 0.00 min

Lab File: VD059514.D

Acq: 2 Jul 2018 20:55

Instrument :

MSVOA_D

ClientSampleId :

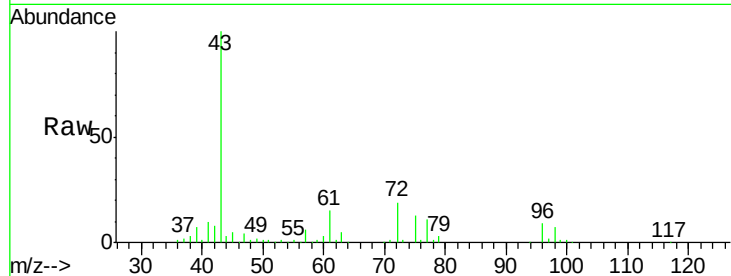
ICVVD070218

Tot Ion: 43 Resp: 594490

Ion Ratio Lower Upper

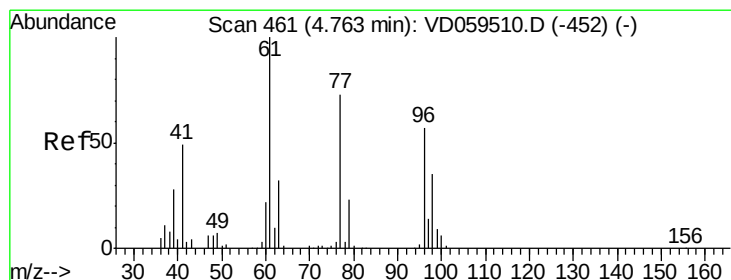
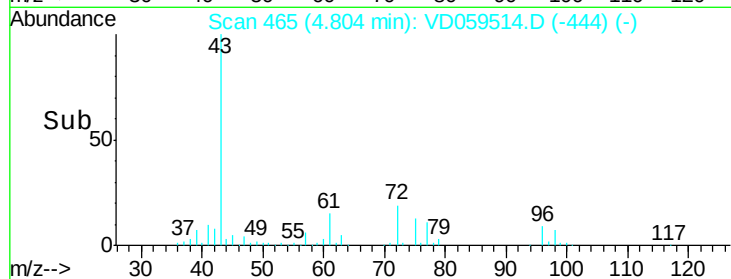
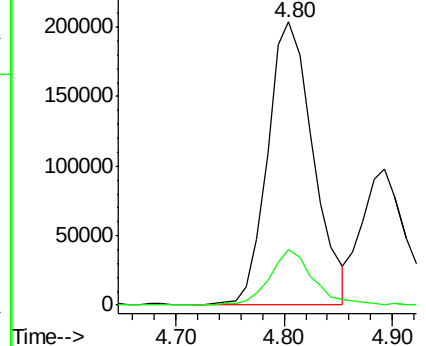
43 100

72 19.4 13.8 20.8



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 45.71 ug/l

RT: 4.76 min Scan# 461

Delta R.T. 0.00 min

Lab File: VD059514.D

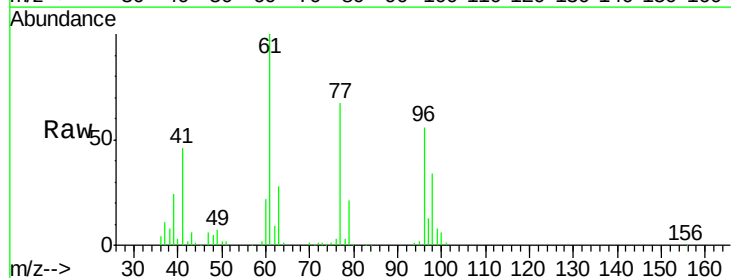
Acq: 2 Jul 2018 20:55

Tgt Ion: 77 Resp: 505742

Ion Ratio Lower Upper

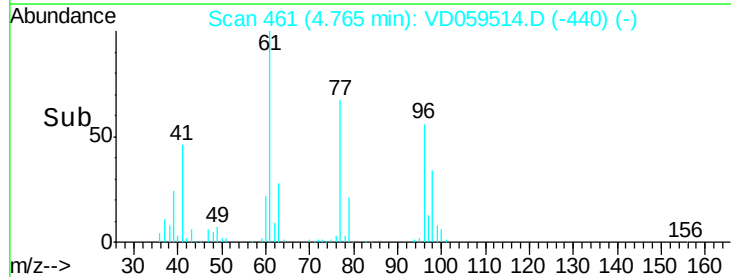
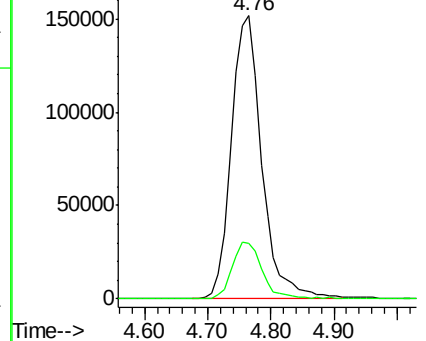
77 100

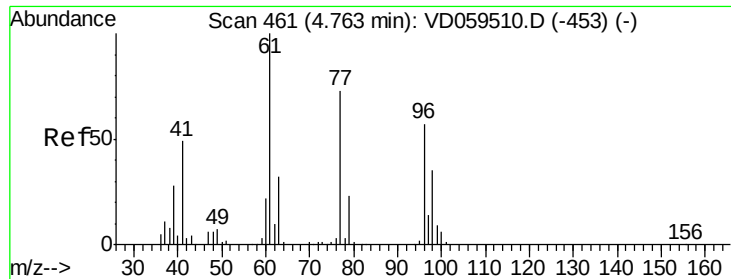
97 19.8 9.5 28.5



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC

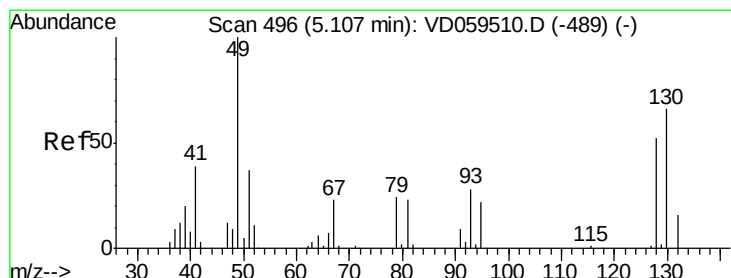
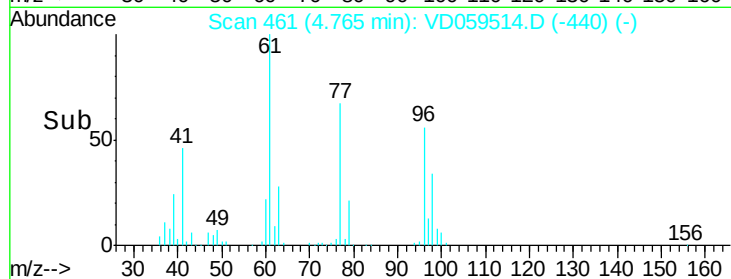
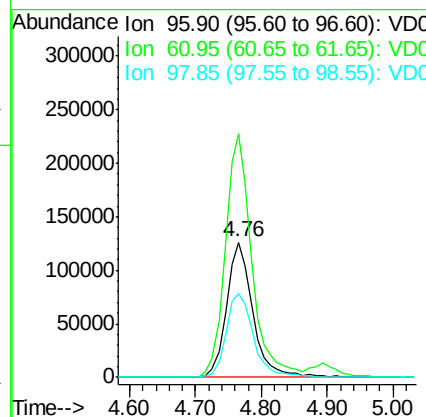
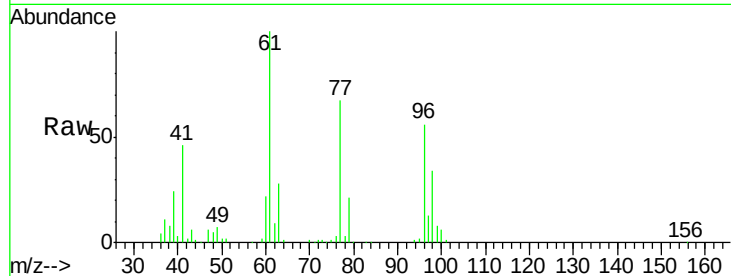




#27
 cis-1,2-Dichloroethene
 Concen: 49.29 ug/l
 RT: 4.76 min Scan# 461
 Delta R.T. 0.00 min
 Lab File: VD059514.D
 Acq: 2 Jul 2018 20:55

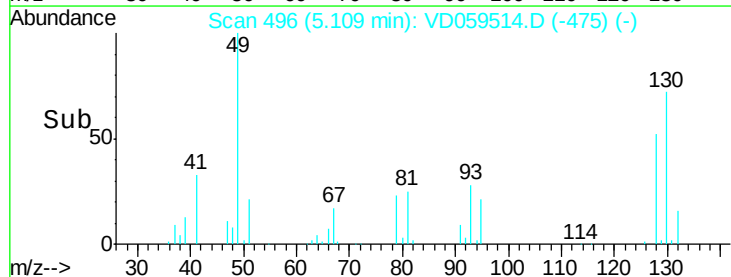
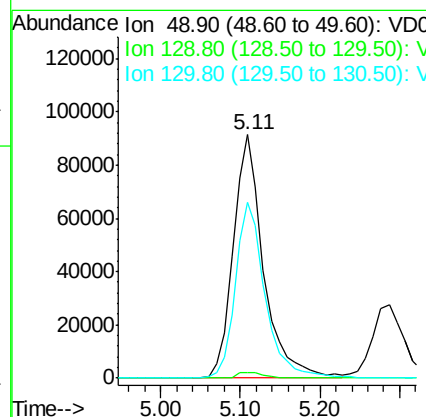
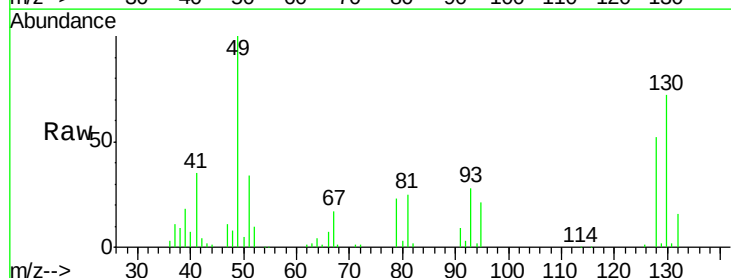
Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD070218

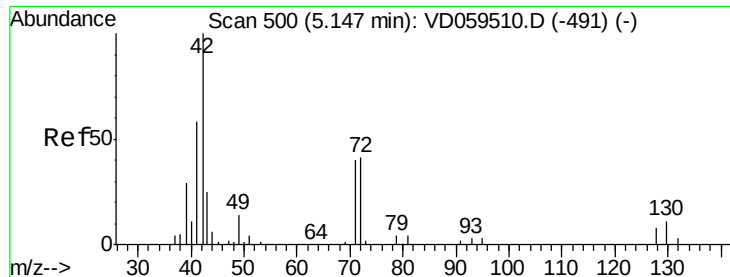
Tot Ion: 96 Resp: 350014
 Ion Ratio Lower Upper
 96 100
 61 179.9 0.0 350.8
 98 61.4 0.0 123.4



#28
 Bromochloromethane
 Concen: 46.65 ug/l
 RT: 5.11 min Scan# 496
 Delta R.T. 0.00 min
 Lab File: VD059514.D
 Acq: 2 Jul 2018 20:55

Tgt Ion: 49 Resp: 242189
 Ion Ratio Lower Upper
 49 100
 129 2.1 0.0 4.4
 130 72.1 52.6 78.8





#29

Tetrahydrofuran

Concen: 246.03 ug/l

RT: 5.15 min Scan# 500

Delta R.T. 0.00 min

Lab File: VD059514.D

Acq: 2 Jul 2018 20:55

Instrument :

MSVOA_D

ClientSampleId :

ICVVD070218

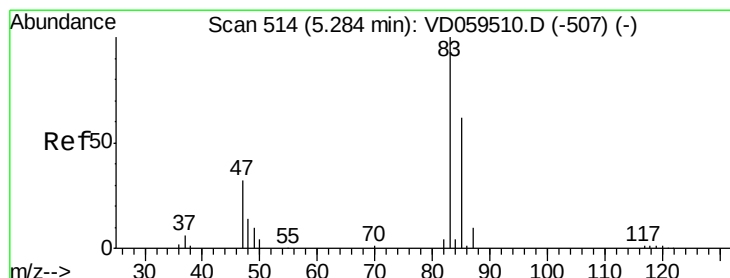
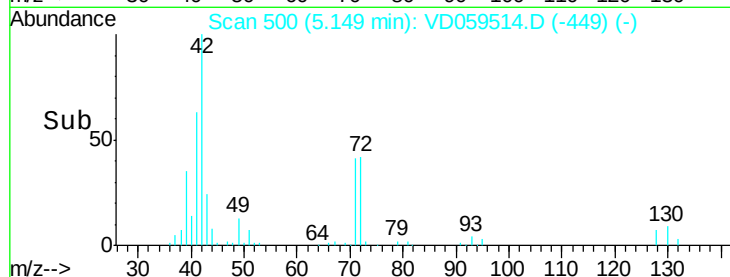
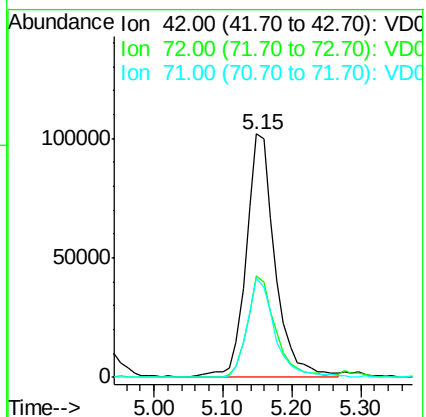
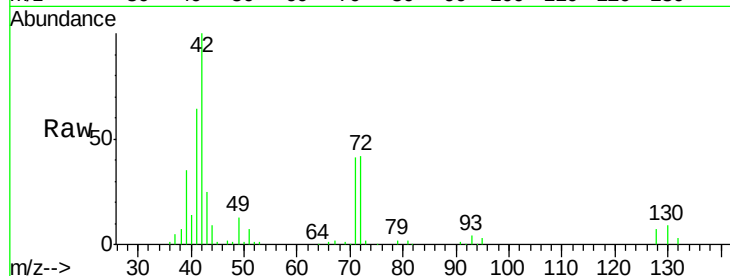
Tot Ion: 42 Resp: 293393

Ion Ratio Lower Upper

42 100

72 40.7 32.9 49.3

71 39.1 31.6 47.4



#30

Chloroform

Concen: 48.94 ug/l

RT: 5.29 min Scan# 514

Delta R.T. 0.00 min

Lab File: VD059514.D

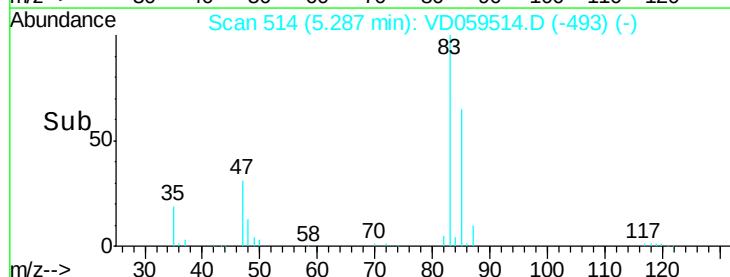
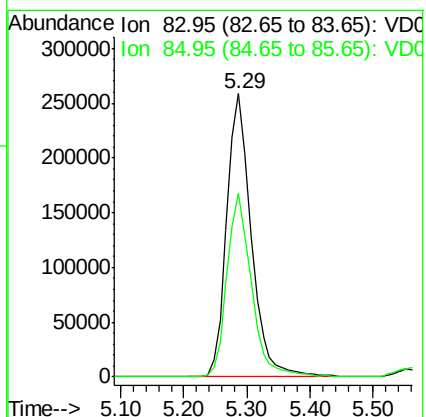
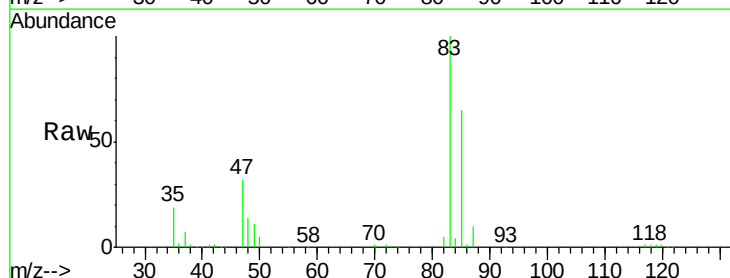
Acq: 2 Jul 2018 20:55

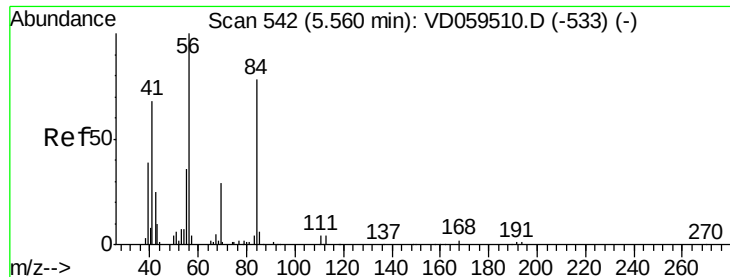
Tgt Ion: 83 Resp: 698710

Ion Ratio Lower Upper

83 100

85 64.8 49.8 74.6

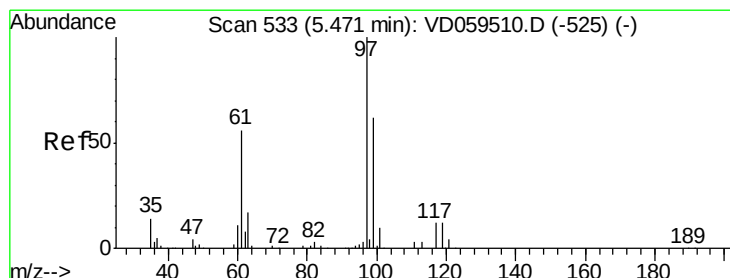
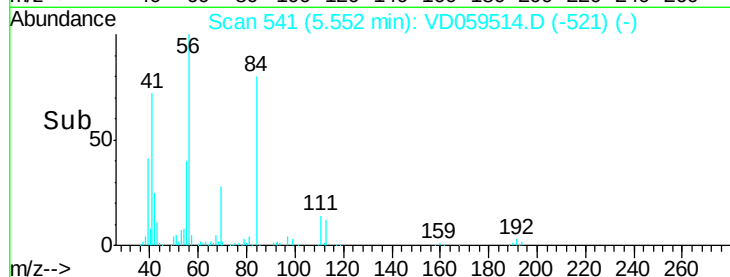
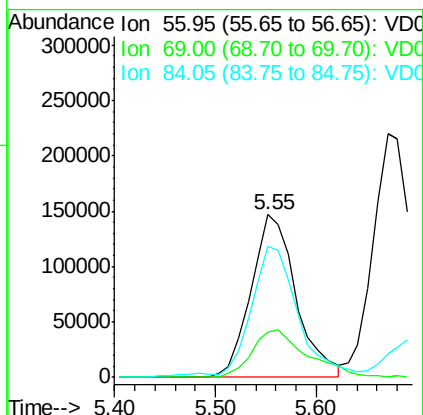
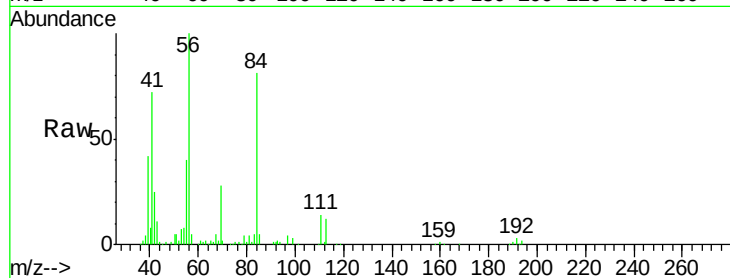




#31
Cyclohexane
Concen: 48.16 ug/l
RT: 5.55 min Scan# 541
Delta R.T. -0.01 min
Lab File: VD059514.D
Acq: 2 Jul 2018 20:55

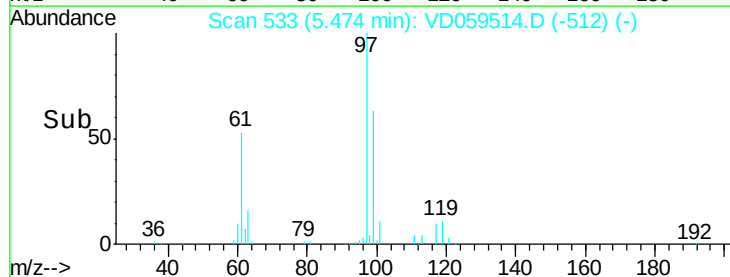
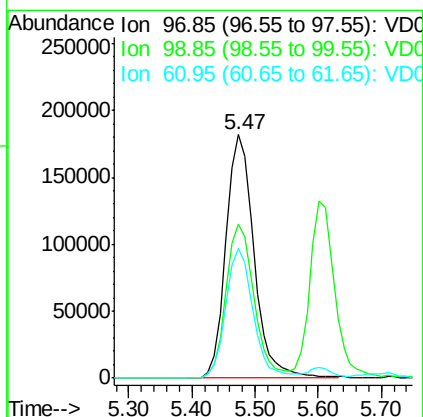
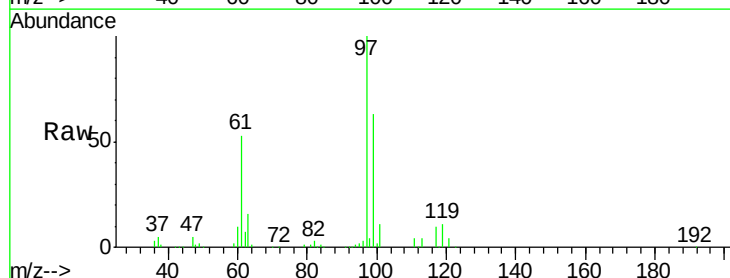
Instrument :
MSVOA_D
ClientSampleId :
ICVVD070218

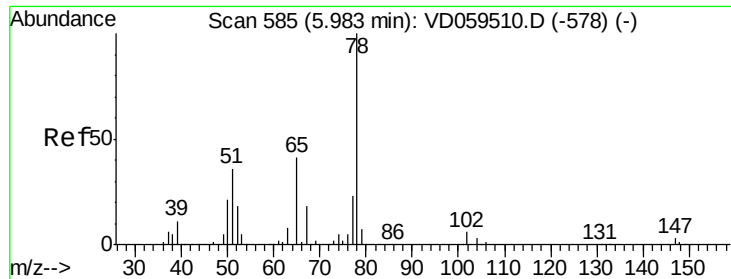
Tot Ion: 56 Resp: 455750
Ion Ratio Lower Upper
56 100
69 28.2 22.9 34.3
84 80.7 63.4 95.0



#32
1,1,1-Trichloroethane
Concen: 49.68 ug/l
RT: 5.47 min Scan# 533
Delta R.T. 0.00 min
Lab File: VD059514.D
Acq: 2 Jul 2018 20:55

Tgt Ion: 97 Resp: 561916
Ion Ratio Lower Upper
97 100
99 63.0 49.6 74.4
61 53.3 44.8 67.2

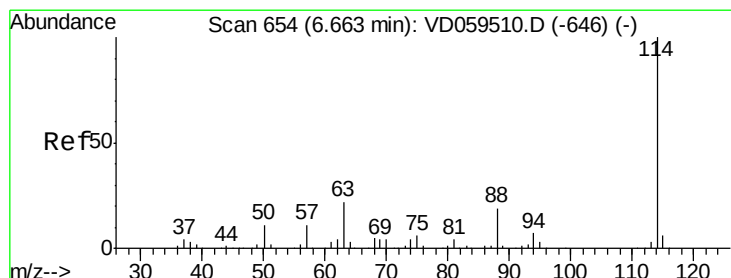
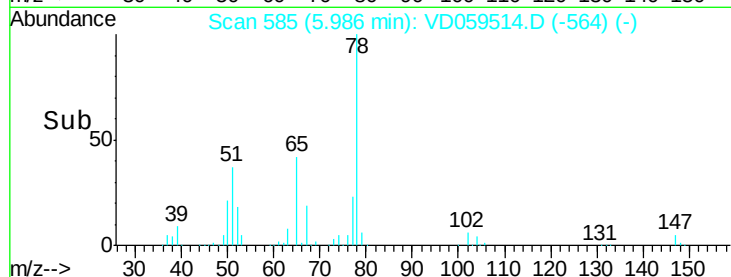
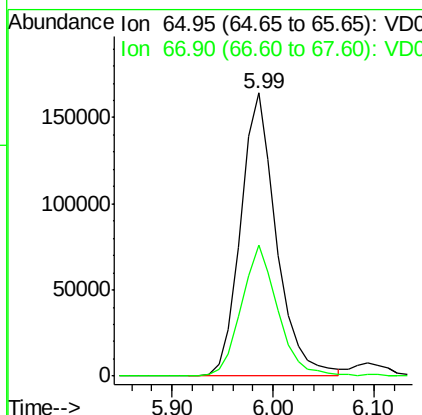
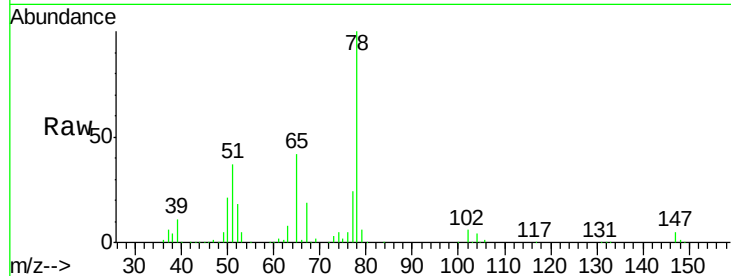




#33
 1,2-Dichloroethane-d4
 Concen: 49.68 ug/l
 RT: 5.99 min Scan# 585
 Delta R.T. 0.00 min
 Lab File: VD059514.D
 Acq: 2 Jul 2018 20:55

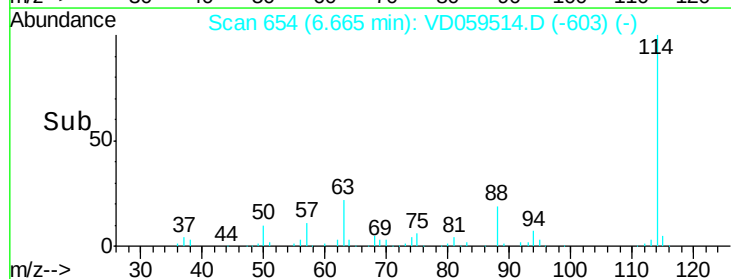
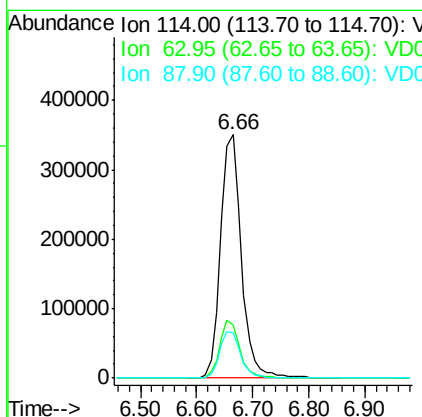
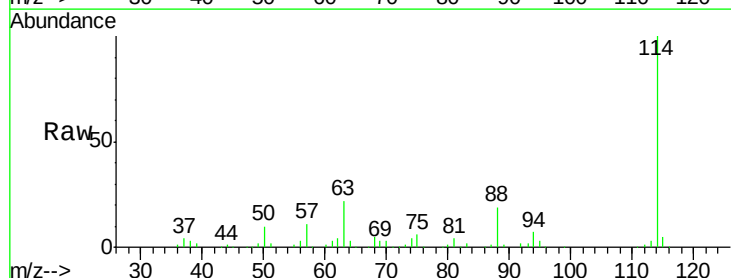
Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD070218

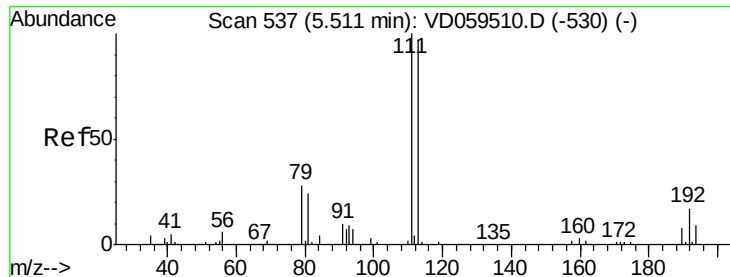
Tot Ion: 65 Resp: 404585
 Ion Ratio Lower Upper
 65 100
 67 46.1 0.0 90.2



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.66 min Scan# 654
 Delta R.T. 0.00 min
 Lab File: VD059514.D
 Acq: 2 Jul 2018 20:55

Tgt Ion: 114 Resp: 909110
 Ion Ratio Lower Upper
 114 100
 63 21.9 0.0 44.4
 88 18.7 0.0 37.8

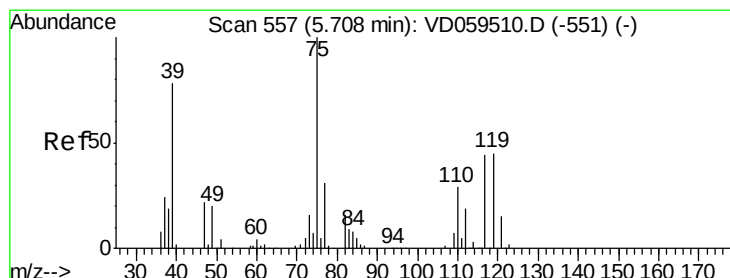
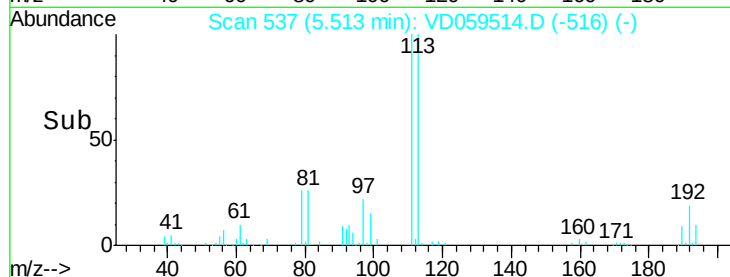
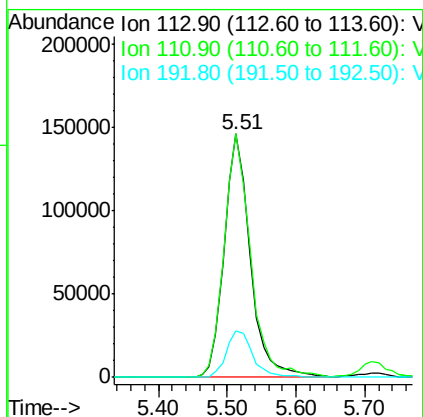
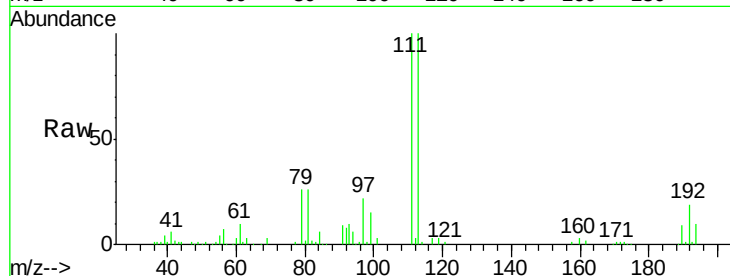




#35
 Dibromofluoromethane
 Concen: 50.00 ug/l
 RT: 5.51 min Scan# 537
 Delta R.T. 0.00 min
 Lab File: VD059514.D
 Acq: 2 Jul 2018 20:55

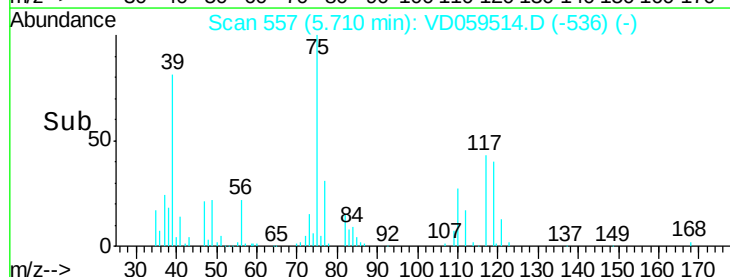
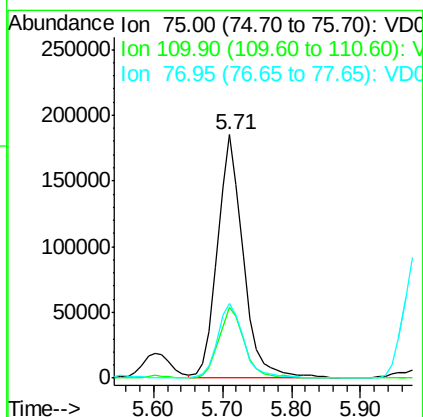
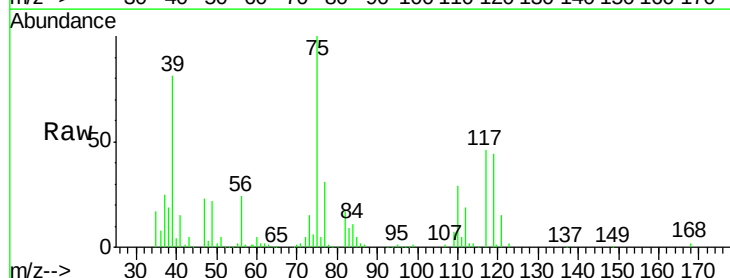
Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD070218

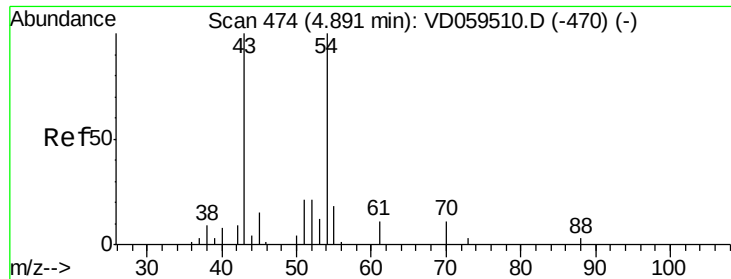
Tot Ion:113 Resp: 383432
 Ion Ratio Lower Upper
 113 100
 111 100.1 82.7 124.1
 192 19.1 14.2 21.2



#36
 1,1-Dichloropropene
 Concen: 48.26 ug/l
 RT: 5.71 min Scan# 557
 Delta R.T. 0.00 min
 Lab File: VD059514.D
 Acq: 2 Jul 2018 20:55

Tgt Ion: 75 Resp: 471147
 Ion Ratio Lower Upper
 75 100
 110 29.2 14.4 43.4
 77 30.9 25.0 37.6

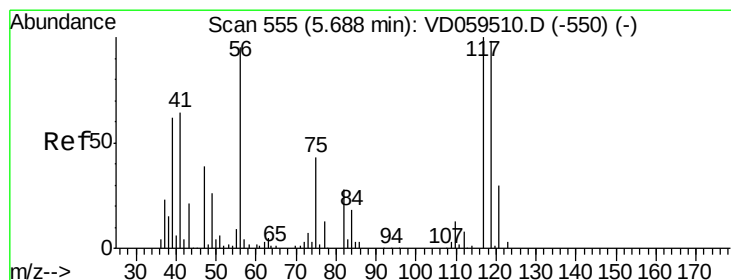
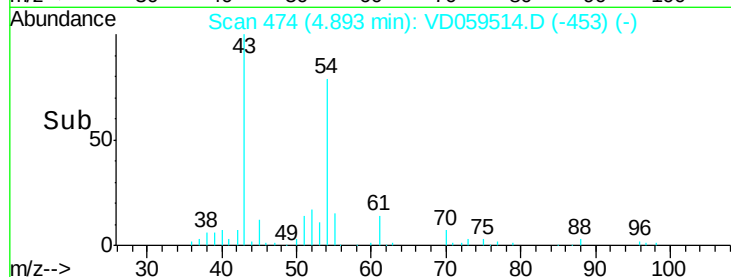
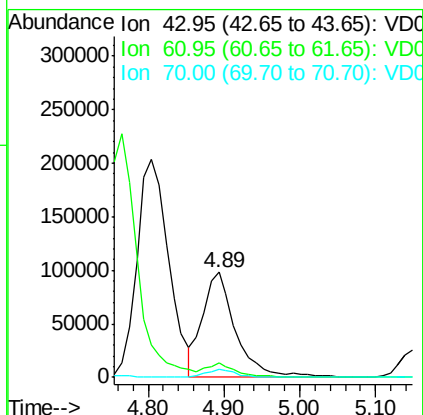
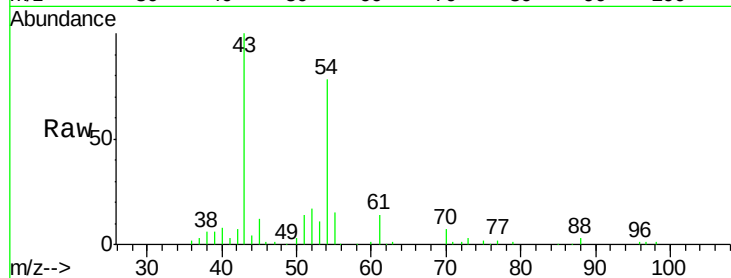




#37
Ethyl Acetate
Concen: 53.66 ug/l
RT: 4.89 min Scan# 474
Delta R.T. 0.00 min
Lab File: VD059514.D
Acq: 2 Jul 2018 20:55

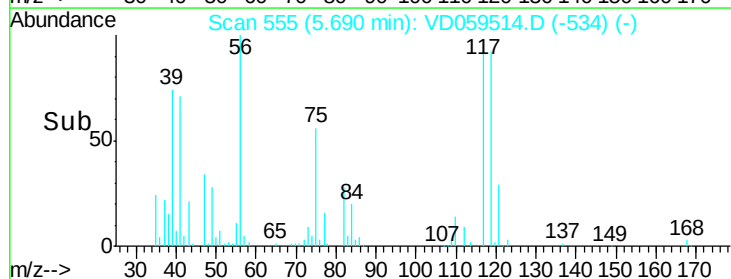
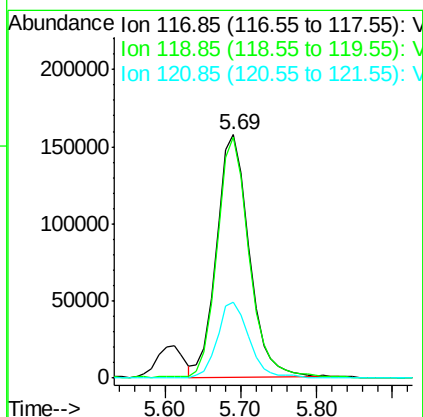
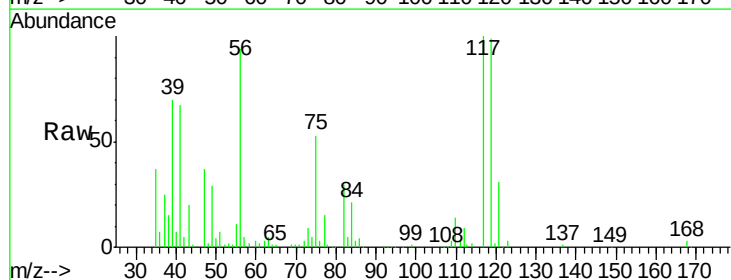
Instrument :
MSVOA_D
ClientSampleId :
ICVVD070218

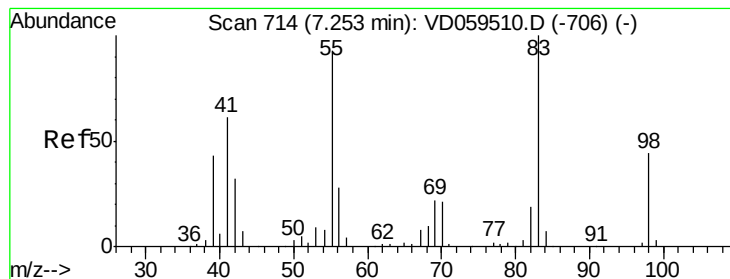
Tot Ion: 43 Resp: 291395
Ion Ratio Lower Upper
43 100
61 14.4 11.5 17.3
70 7.2 6.8 10.2



#38
Carbon Tetrachloride
Concen: 49.10 ug/l
RT: 5.69 min Scan# 555
Delta R.T. 0.00 min
Lab File: VD059514.D
Acq: 2 Jul 2018 20:55

Tgt Ion: 117 Resp: 471140
Ion Ratio Lower Upper
117 100
119 98.8 76.4 114.6
121 31.3 23.9 35.9





#39

Methylvlcyclohexane

Concen: 51.35 ug/l

RT: 7.26 min Scan# 714

Delta R.T. 0.00 min

Lab File: VD059514.D

Acq: 2 Jul 2018 20:55

Instrument :

MSVOA_D

ClientSampleId :

ICVVD070218

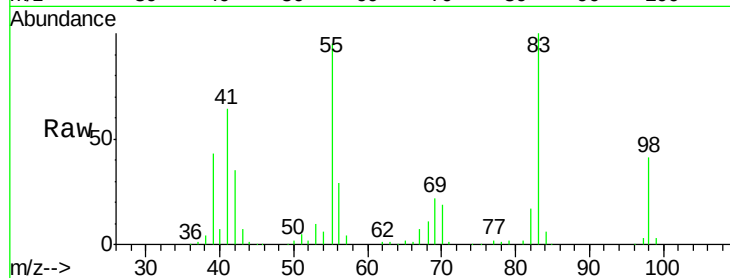
Tot Ion: 83 Resp: 456578

Ion Ratio Lower Upper

83 100

55 94.5 74.2 111.4

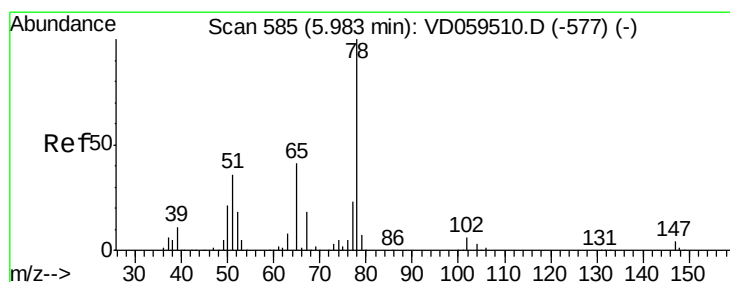
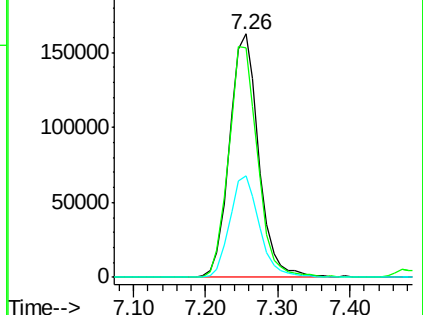
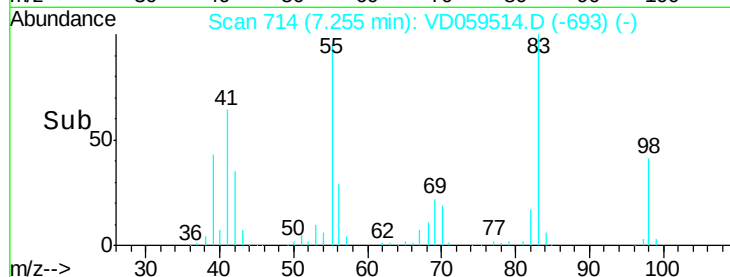
98 41.5 35.5 53.3



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: 48.47 ug/l

RT: 5.99 min Scan# 585

Delta R.T. 0.00 min

Lab File: VD059514.D

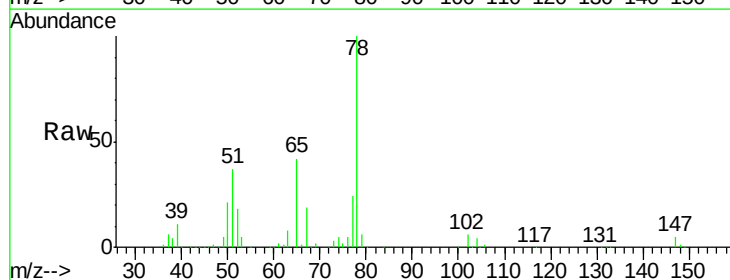
Acq: 2 Jul 2018 20:55

Tgt Ion: 78 Resp: 1088963

Ion Ratio Lower Upper

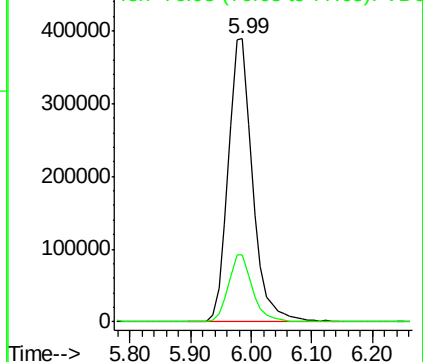
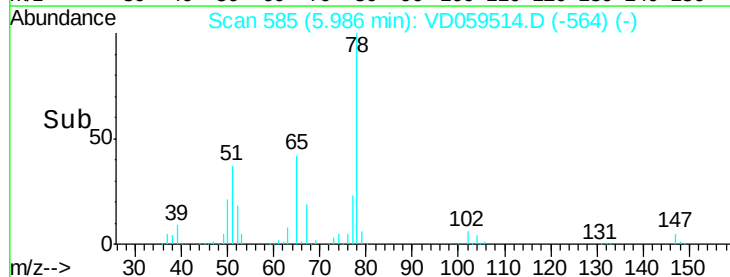
78 100

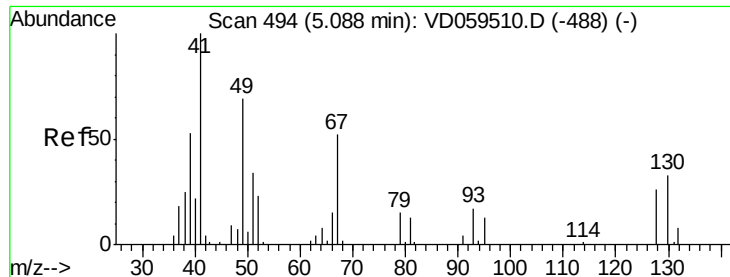
77 23.9 18.6 27.8



Abundance Ion 77.95 (77.65 to 78.65): VDC

Ion 76.95 (76.65 to 77.65): VDC





#41

Methacrylonitrile

Concen: 51.99 ug/l

RT: 5.09 min Scan# 494

Delta R.T. 0.00 min

Lab File: VD059514.D

Acq: 2 Jul 2018 20:55

Instrument :

MSVOA_D

ClientSampleId :

ICVVD070218

Tot Ion: 41 Resp: 143211

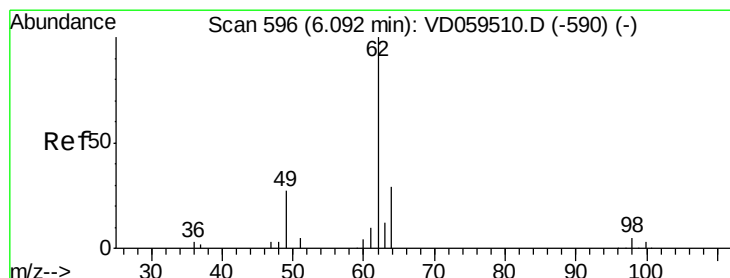
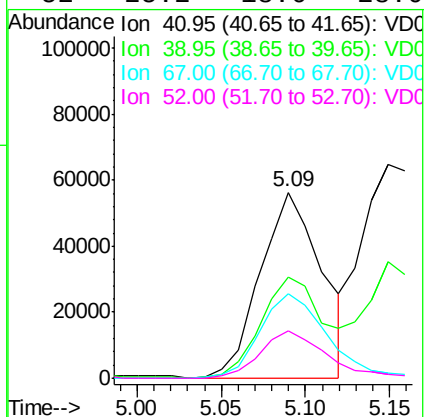
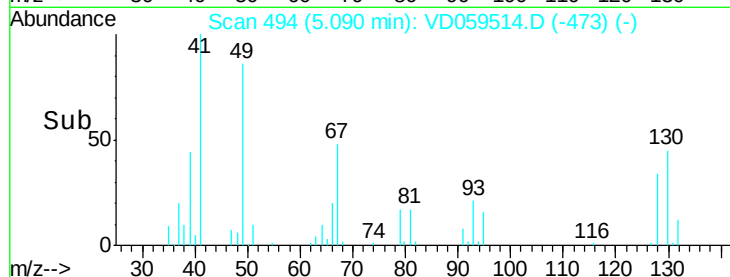
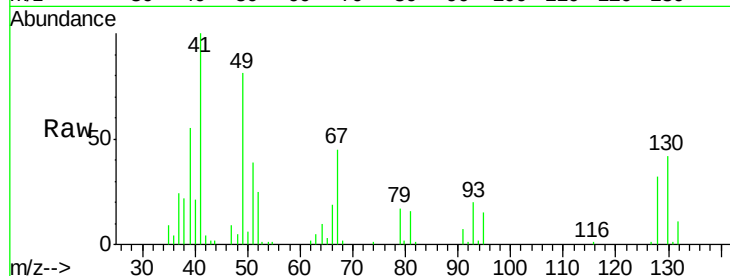
Ion Ratio Lower Upper

41 100

39 54.7 43.0 64.4

67 45.5 41.4 62.2

52 25.2 18.6 28.0



#42

1,2-Dichloroethane

Concen: 50.71 ug/l

RT: 6.09 min Scan# 596

Delta R.T. 0.00 min

Lab File: VD059514.D

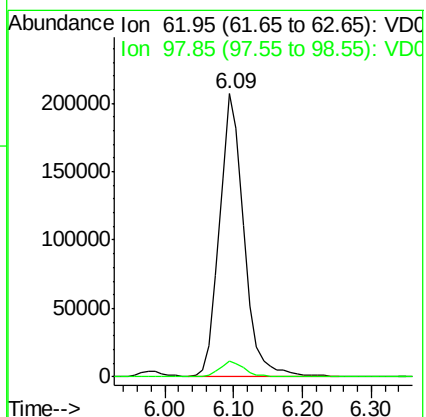
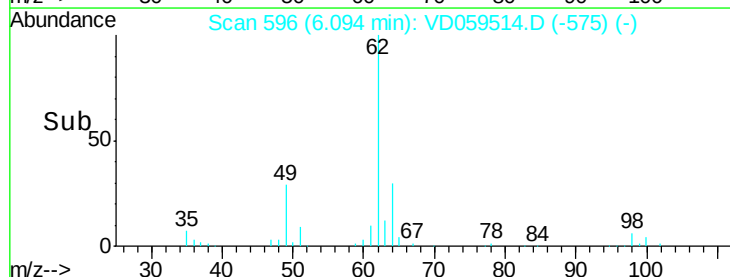
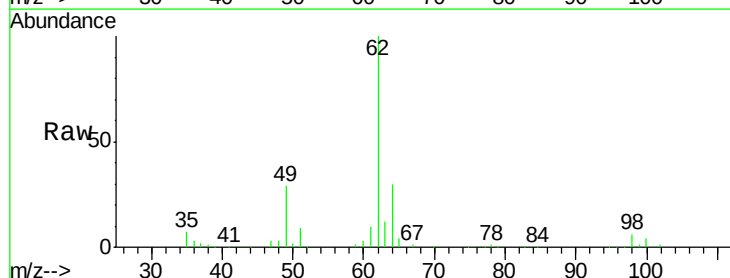
Acq: 2 Jul 2018 20:55

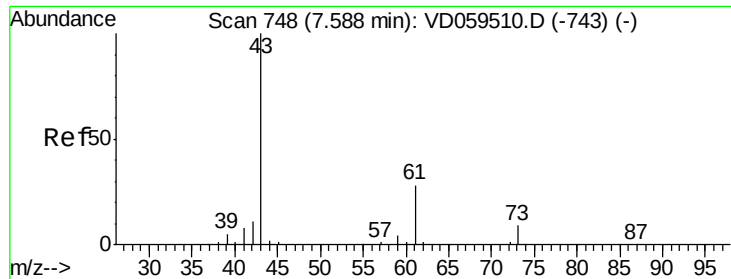
Tgt Ion: 62 Resp: 509753

Ion Ratio Lower Upper

62 100

98 5.6 0.0 10.0





#43

Isopropyl Acetate

Concen: 55.06 ug/l

RT: 7.59 min Scan# 748

Delta R.T. 0.00 min

Lab File: VD059514.D

Acq: 2 Jul 2018 20:55

Instrument :

MSVOA_D

ClientSampleId :

ICVVD070218

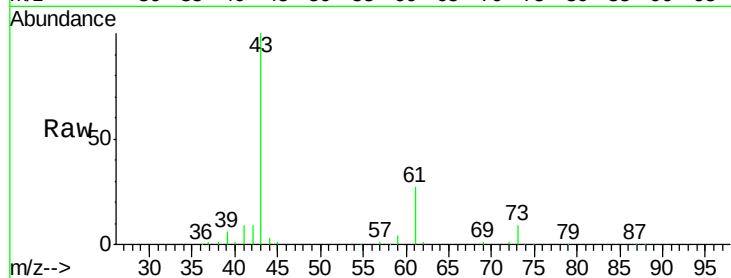
Tot Ion: 43 Resp: 395643

Ion Ratio Lower Upper

43 100

61 27.2 22.3 33.5

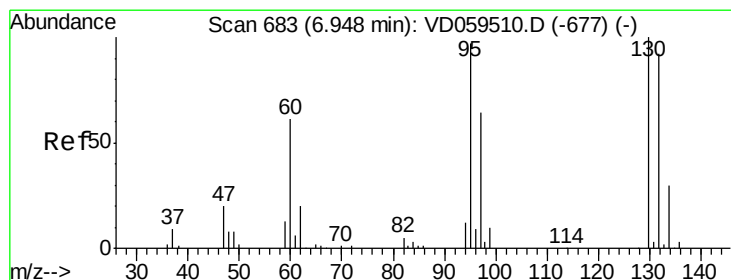
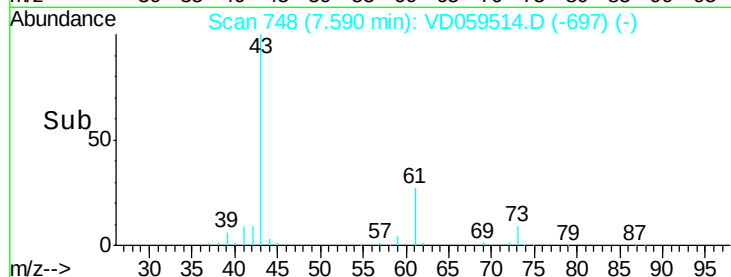
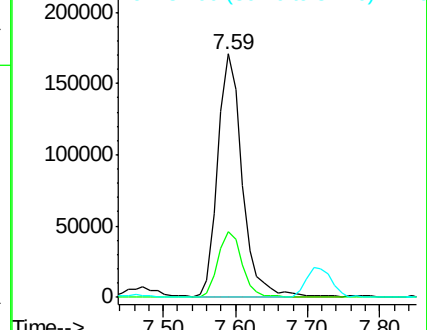
87 0.4 0.4 0.6#



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: 50.91 ug/l

RT: 6.95 min Scan# 683

Delta R.T. 0.00 min

Lab File: VD059514.D

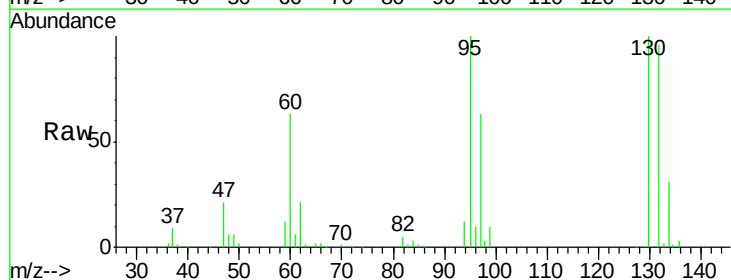
Acq: 2 Jul 2018 20:55

Tgt Ion:130 Resp: 347160

Ion Ratio Lower Upper

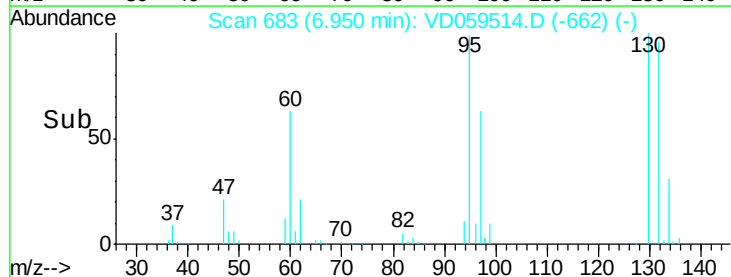
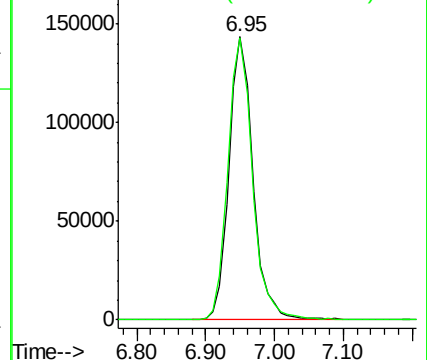
130 100

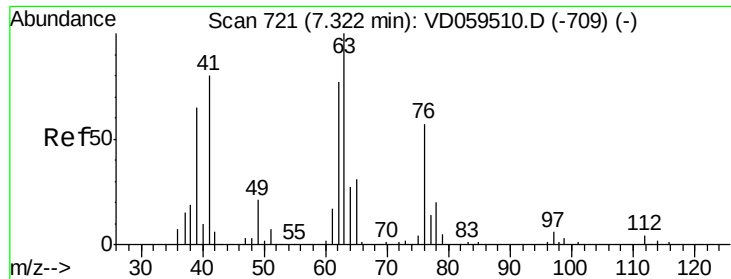
95 99.6 0.0 193.6



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VDC

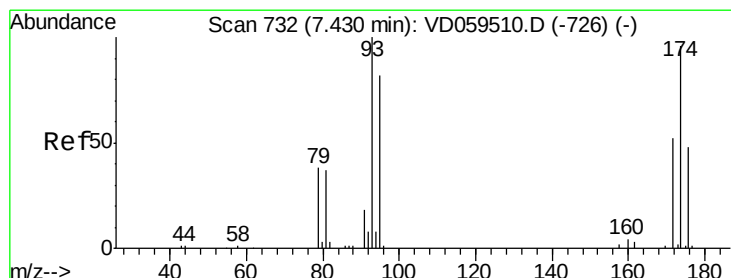
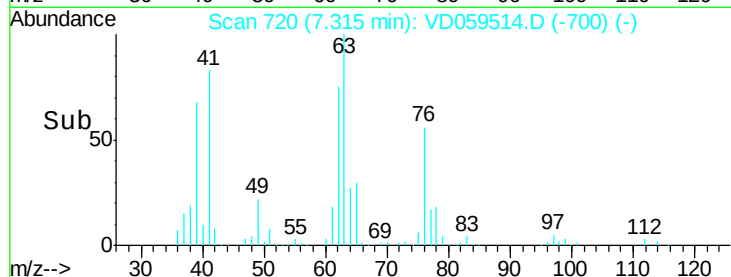
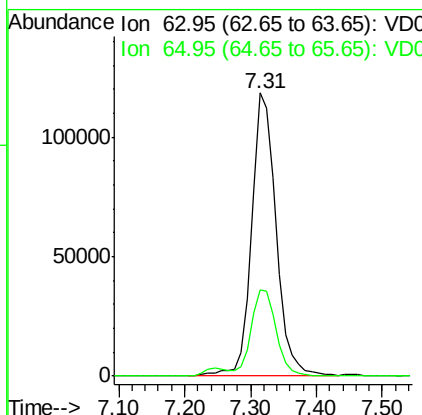
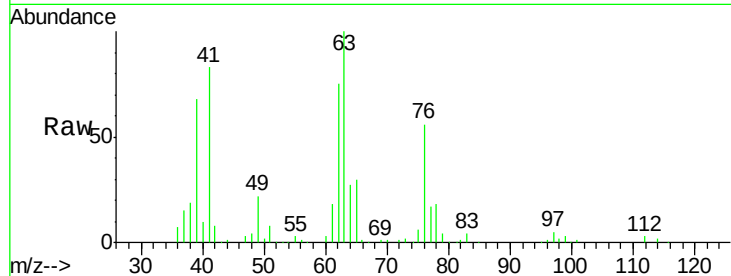




#45
 1,2-Dichloropropane
 Concen: 49.44 ug/l
 RT: 7.31 min Scan# 720
 Delta R.T. -0.01 min
 Lab File: VD059514.D
 Acq: 2 Jul 2018 20:55

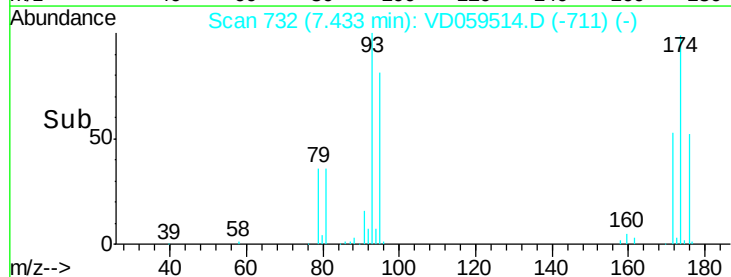
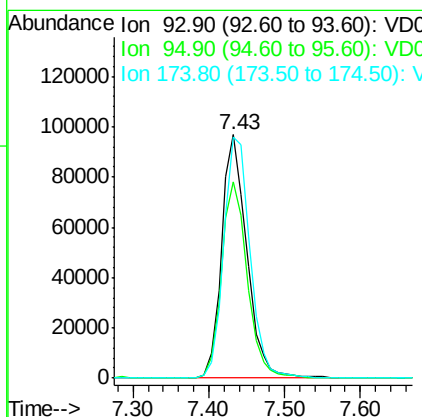
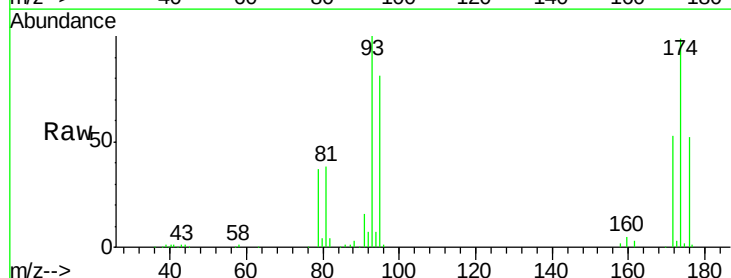
Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD070218

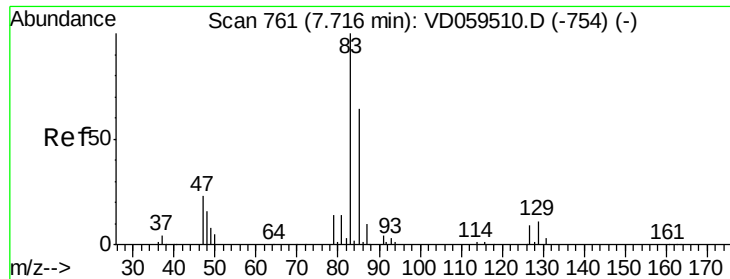
Tot Ion: 63 Resp: 310531
 Ion Ratio Lower Upper
 63 100
 65 30.4 24.4 36.6



#46
 Dibromomethane
 Concen: 52.41 ug/l
 RT: 7.43 min Scan# 732
 Delta R.T. 0.00 min
 Lab File: VD059514.D
 Acq: 2 Jul 2018 20:55

Tgt Ion: 93 Resp: 222739
 Ion Ratio Lower Upper
 93 100
 95 80.7 65.7 98.5
 174 99.2 77.2 115.8





#47

Bromodichloromethane

Concen: 52.50 ug/l

RT: 7.72 min Scan# 761

Delta R.T. 0.00 min

Lab File: VD059514.D

Acq: 2 Jul 2018 20:55

Instrument :

MSVOA_D

ClientSampleId :

ICVVD070218

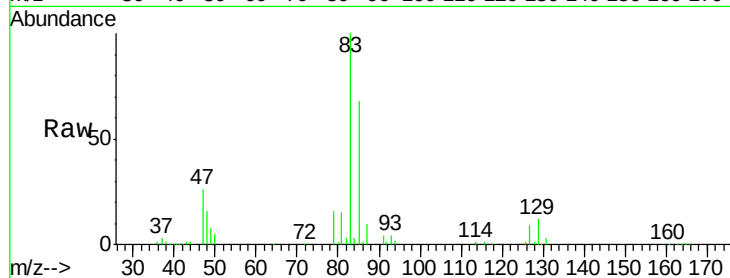
Tot Ion: 83 Resp: 519377

Ion Ratio Lower Upper

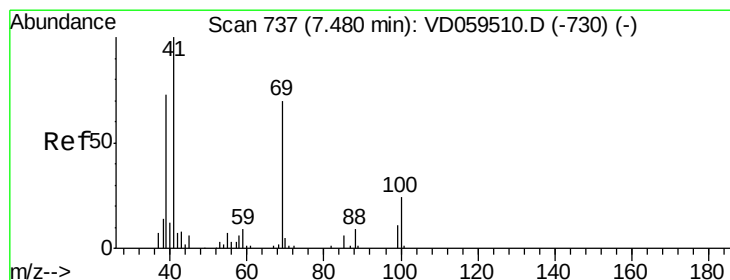
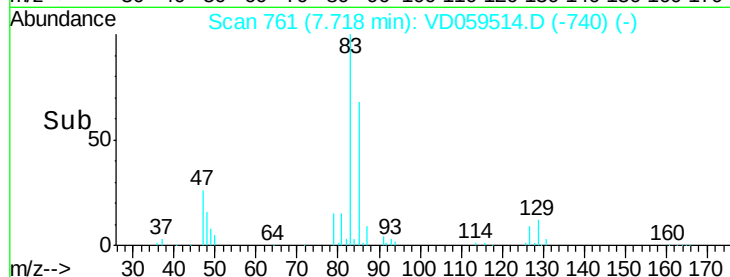
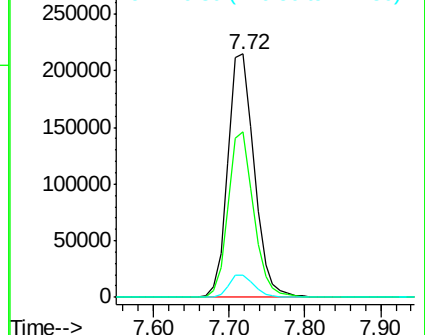
83 100

85 68.0 51.0 76.4

127 8.9 7.0 10.6



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



#48

Methyl methacrylate

Concen: 53.38 ug/l

RT: 7.47 min Scan# 736

Delta R.T. -0.01 min

Lab File: VD059514.D

Acq: 2 Jul 2018 20:55

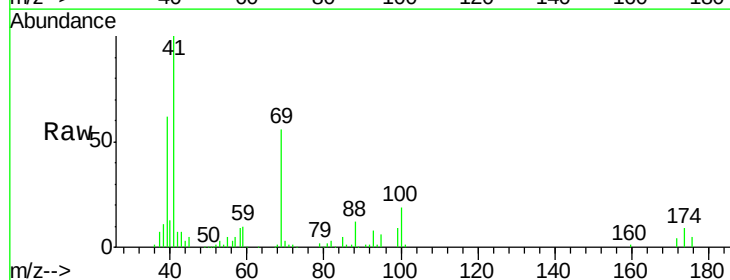
Tgt Ion: 41 Resp: 239213

Ion Ratio Lower Upper

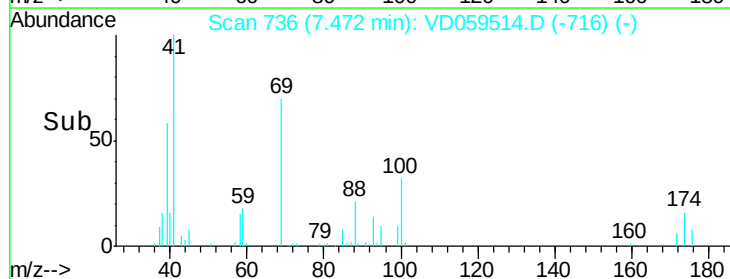
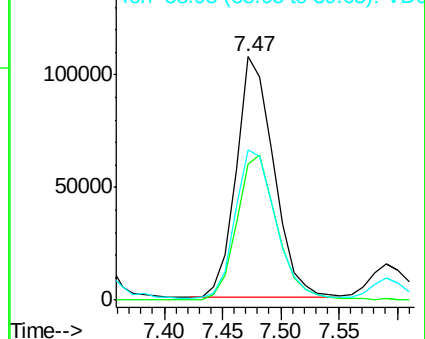
41 100

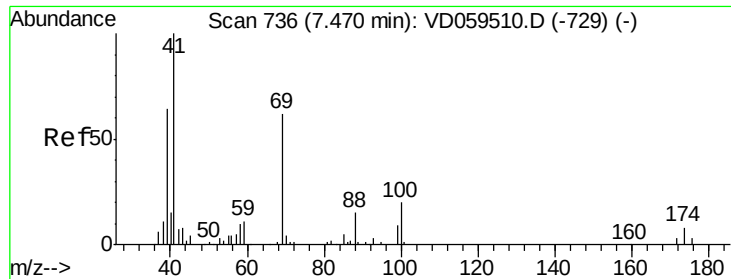
69 56.0 55.8 83.8

39 61.6 58.7 88.1



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

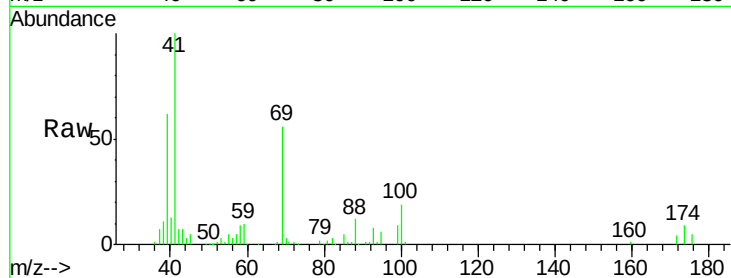




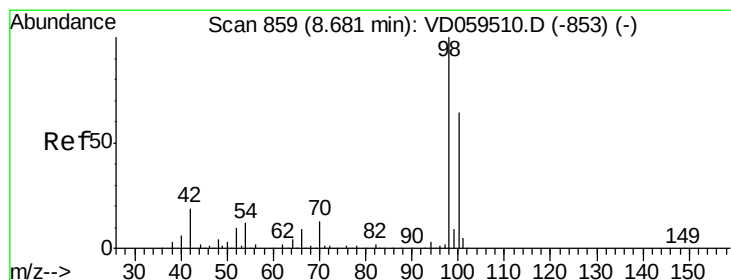
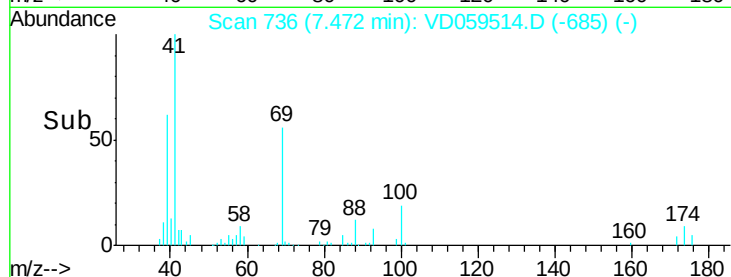
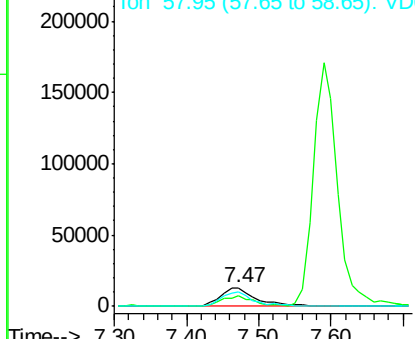
#49
1,4-Dioxane
Concen: 1072.98 ug/l
RT: 7.47 min Scan# 736
Delta R.T. 0.00 min
Lab File: VD059514.D
Acq: 2 Jul 2018 20:55

Instrument :
MSVOA_D
ClientSampleId :
ICVVD070218

Tot Ion: 88 Resp: 44804
Ion Ratio Lower Upper
88 100
43 59.0 41.4 62.0
58 74.5 49.4 74.2#

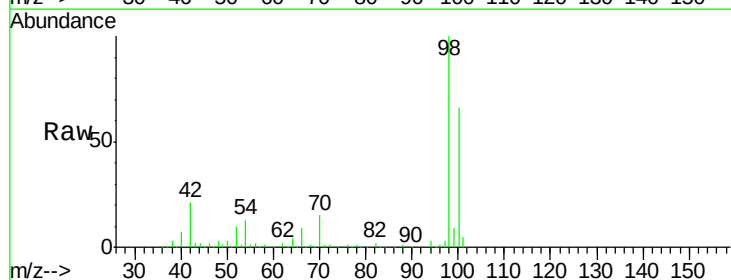


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 57.95 (57.65 to 58.65): VDC

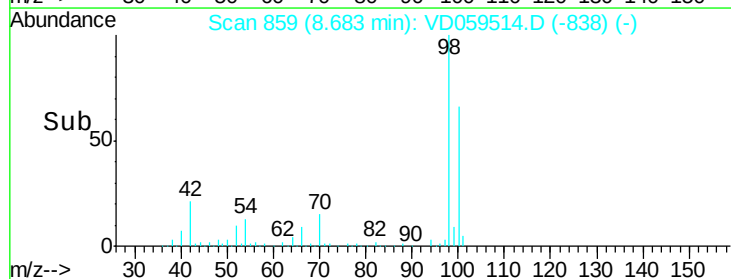
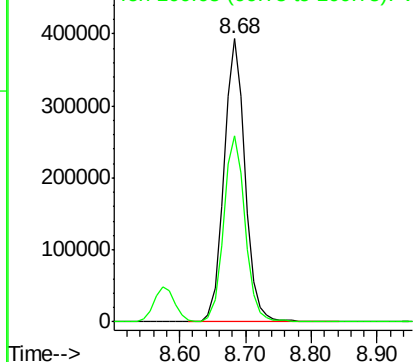


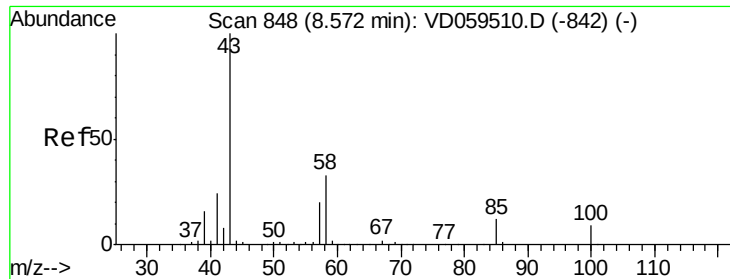
#50
Toluene-d8
Concen: 1072.98 ug/l
RT: 8.68 min Scan# 859
Delta R.T. 0.00 min
Lab File: VD059514.D
Acq: 2 Jul 2018 20:55

Tgt Ion: 98 Resp: 881094
Ion Ratio Lower Upper
98 100
100 65.8 51.8 77.8



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: 271.80 ug/l

RT: 8.57 min Scan# 848

Delta R.T. 0.00 min

Lab File: VD059514.D

Acq: 2 Jul 2018 20:55

Instrument :

MSVOA_D

ClientSampleId :

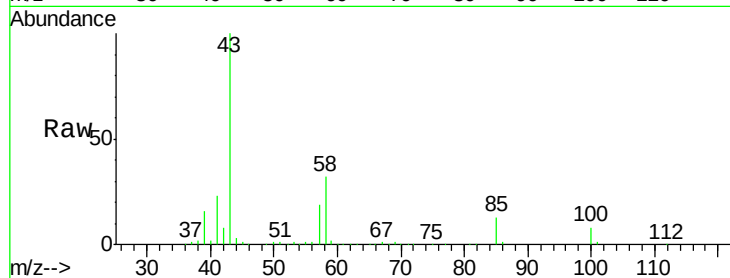
ICVVD070218

Tot Ion: 43 Resp: 1275375

Ion Ratio Lower Upper

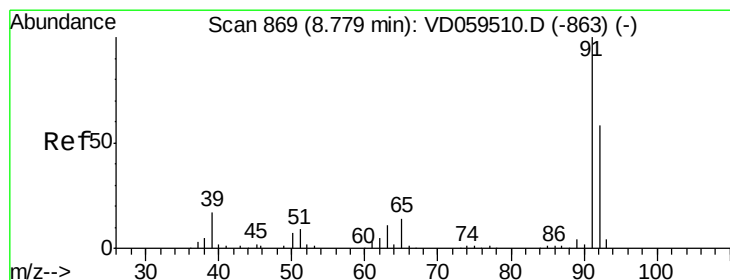
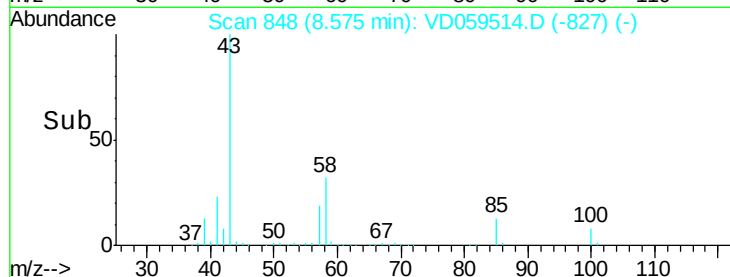
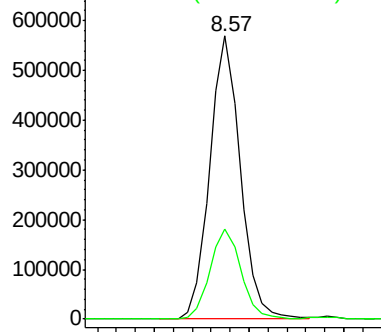
43 100

58 31.7 26.7 40.1



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#52

Toluene

Concen: 48.73 ug/l

RT: 8.77 min Scan# 868

Delta R.T. -0.01 min

Lab File: VD059514.D

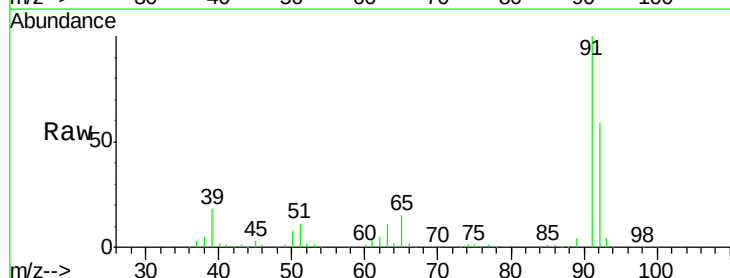
Acq: 2 Jul 2018 20:55

Tgt Ion: 92 Resp: 604402

Ion Ratio Lower Upper

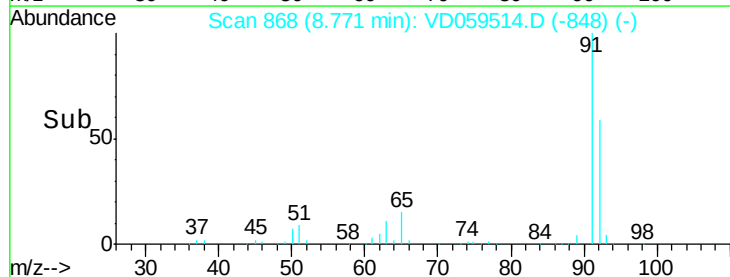
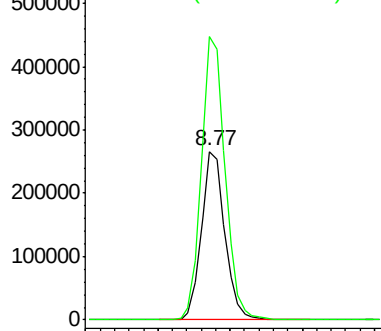
92 100

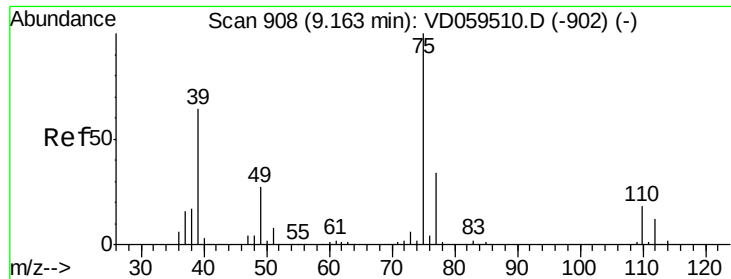
91 168.1 138.8 208.2



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

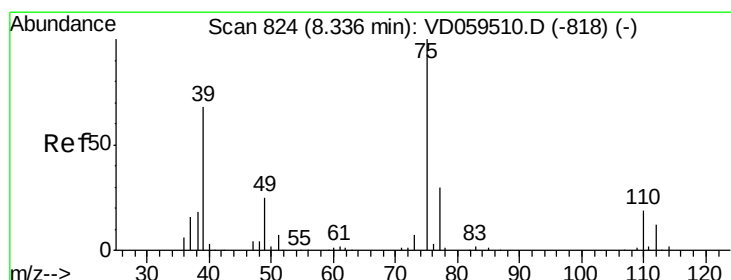
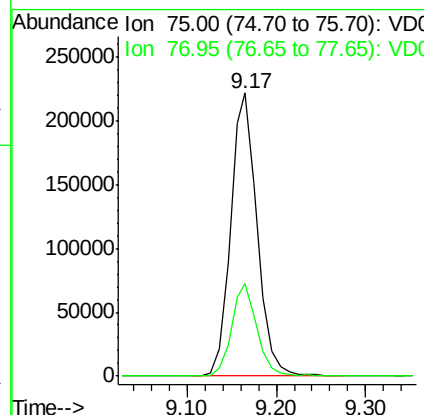
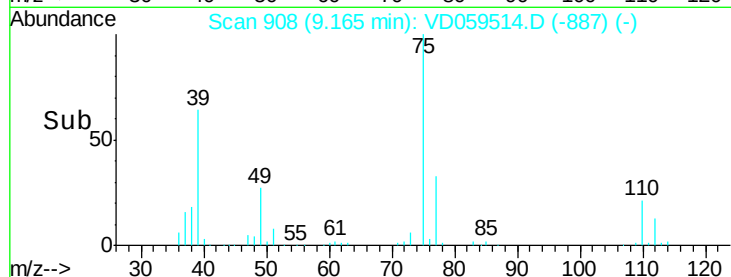
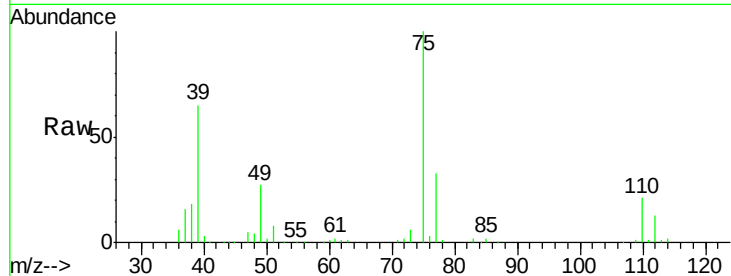




#53
t-1,3-Dichloropropene
Concen: 53.40 ug/l
RT: 9.17 min Scan# 908
Delta R.T. 0.00 min
Lab File: VD059514.D
Acq: 2 Jul 2018 20:55

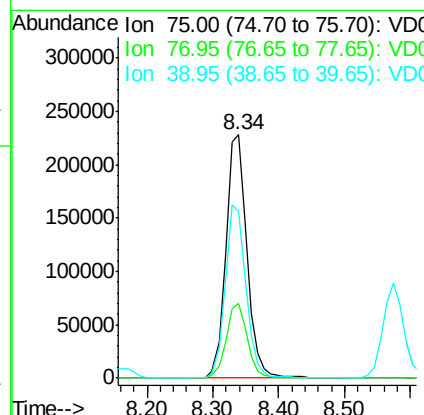
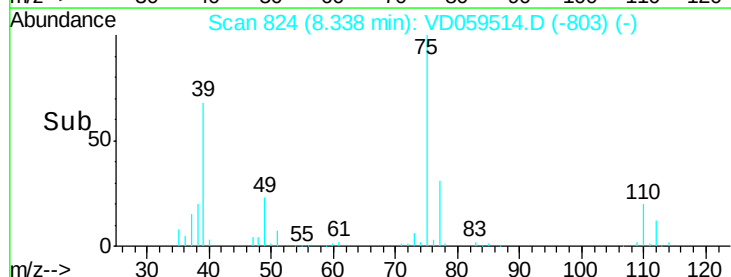
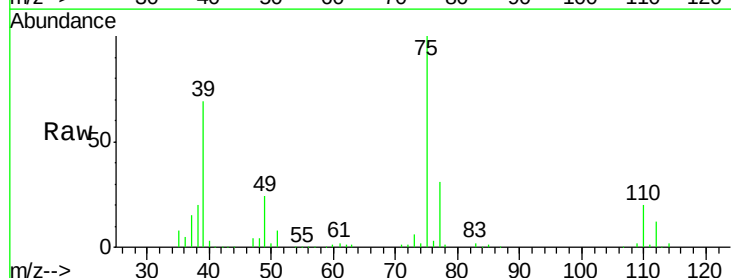
Instrument :
MSVOA_D
ClientSampleId :
ICVVD070218

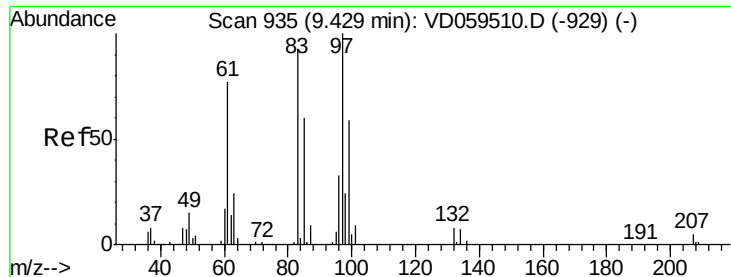
Tot Ion: 75 Resp: 460093
Ion Ratio Lower Upper
75 100
77 32.5 26.9 40.3



#54
cis-1,3-Dichloropropene
Concen: 50.95 ug/l
RT: 8.34 min Scan# 824
Delta R.T. 0.00 min
Lab File: VD059514.D
Acq: 2 Jul 2018 20:55

Tgt Ion: 75 Resp: 509093
Ion Ratio Lower Upper
75 100
77 30.8 24.4 36.6
39 68.8 54.7 82.1



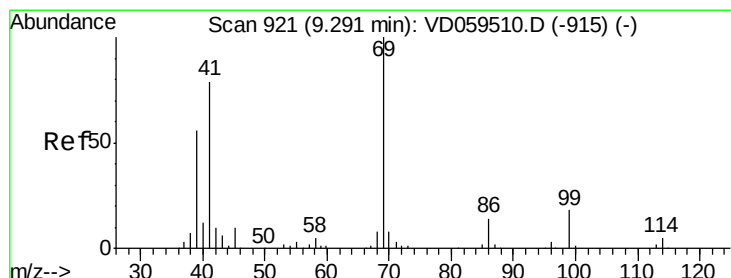
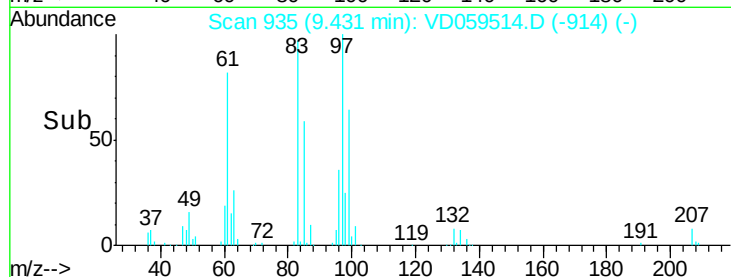
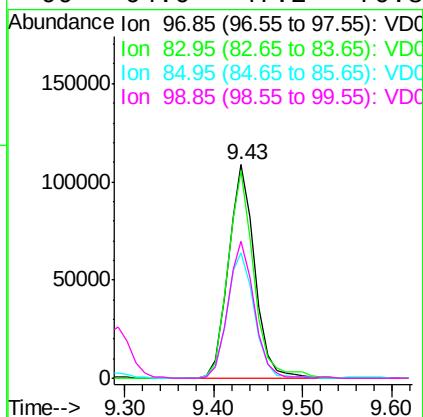
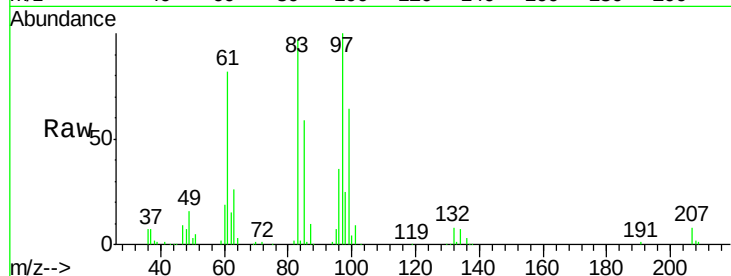


#55
 1,1,2-Trichloroethane
 Concen: 49.68 ug/l
 RT: 9.43 min Scan# 935
 Delta R.T. 0.00 min
 Lab File: VD059514.D
 Acq: 2 Jul 2018 20:55

Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD070218

Tot Ion: 97 Resp: 225953

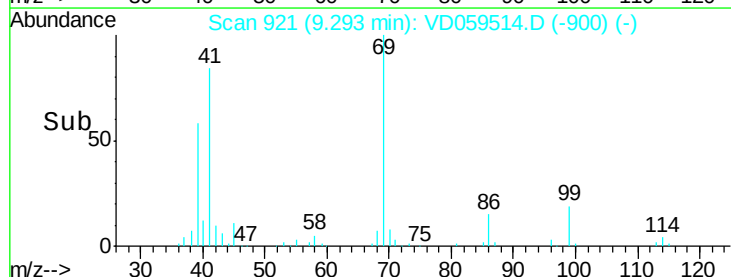
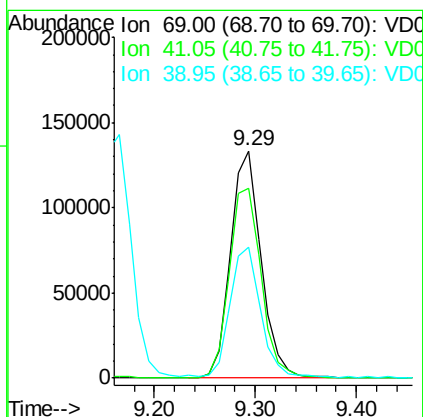
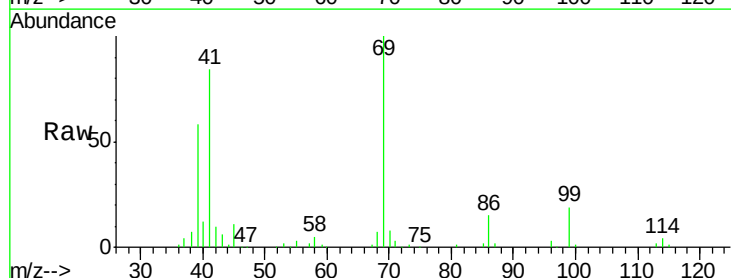
Ion	Ratio	Lower	Upper
97	100		
83	97.0	74.3	111.5
85	58.8	48.1	72.1
99	64.0	47.2	70.8

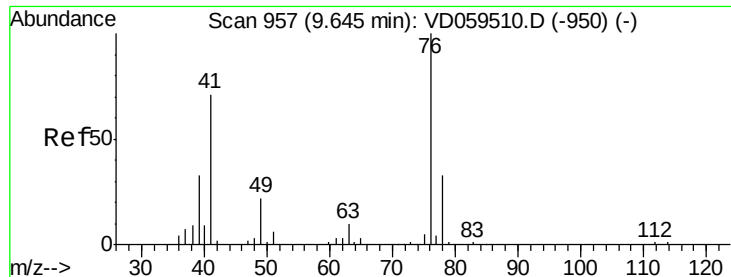


#56
 Ethyl methacrylate
 Concen: 49.29 ug/l
 RT: 9.29 min Scan# 921
 Delta R.T. 0.00 min
 Lab File: VD059514.D
 Acq: 2 Jul 2018 20:55

Tgt Ion: 69 Resp: 280870

Ion	Ratio	Lower	Upper
69	100		
41	83.7	63.4	95.0
39	57.8	45.0	67.6

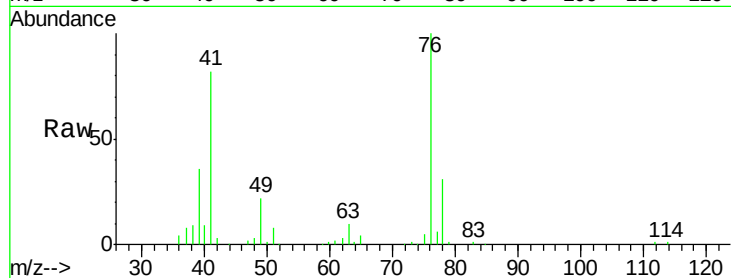




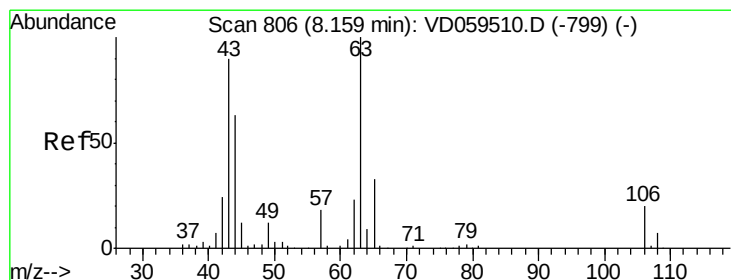
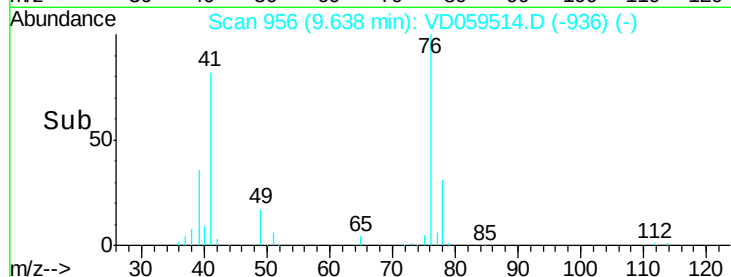
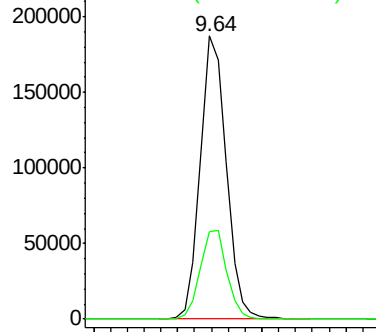
#57
 1,3-Dichloropropane
 Concen: 49.19 ug/l
 RT: 9.64 min Scan# 956
 Delta R.T. -0.01 min
 Lab File: VD059514.D
 Acq: 2 Jul 2018 20:55

Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD070218

Tot Ion: 76 Resp: 403034
 Ion Ratio Lower Upper
 76 100
 78 31.1 26.5 39.7

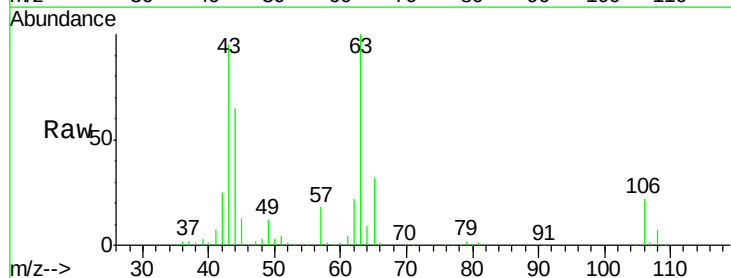


Abundance Ion 75.95 (75.65 to 76.65): VDC
 Ion 77.95 (77.65 to 78.65): VDC

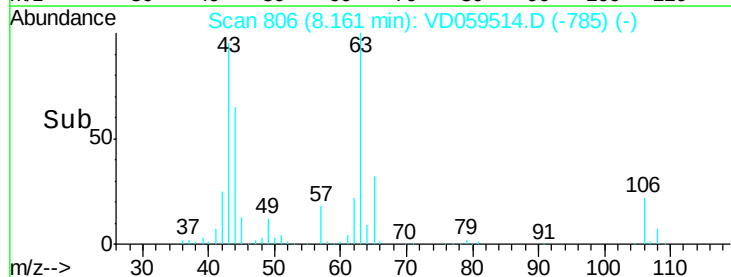
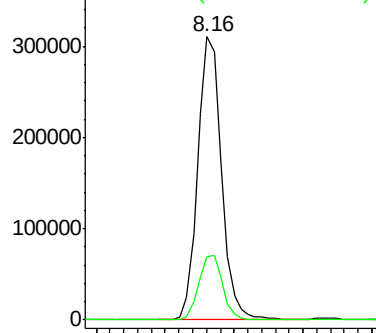


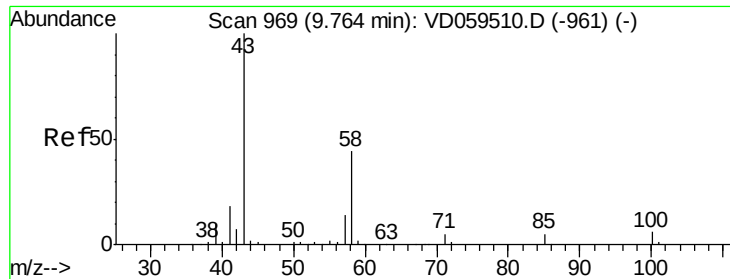
#58
 2-Chloroethyl Vinyl ether
 Concen: 268.96 ug/l
 RT: 8.16 min Scan# 806
 Delta R.T. 0.00 min
 Lab File: VD059514.D
 Acq: 2 Jul 2018 20:55

Tgt Ion: 63 Resp: 741317
 Ion Ratio Lower Upper
 63 100
 106 22.2 16.4 24.6



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

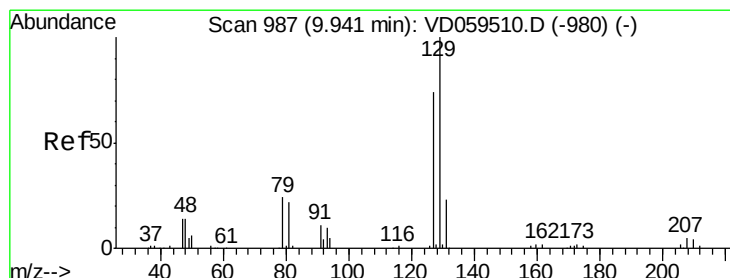
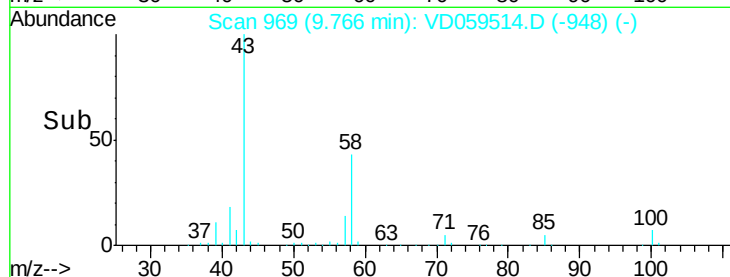
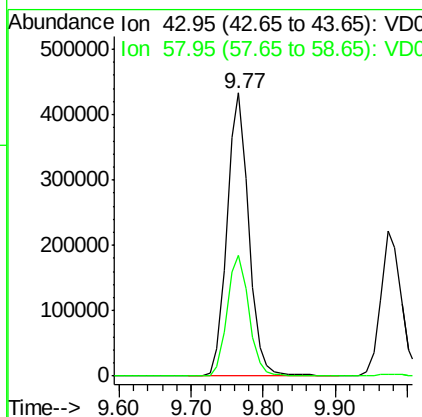
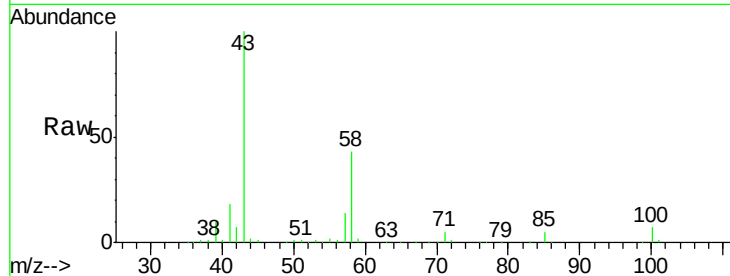




#59
2-Hexanone
Concen: 262.33 ug/l
RT: 9.77 min Scan# 969
Delta R.T. 0.00 min
Lab File: VD059514.D
Acq: 2 Jul 2018 20:55

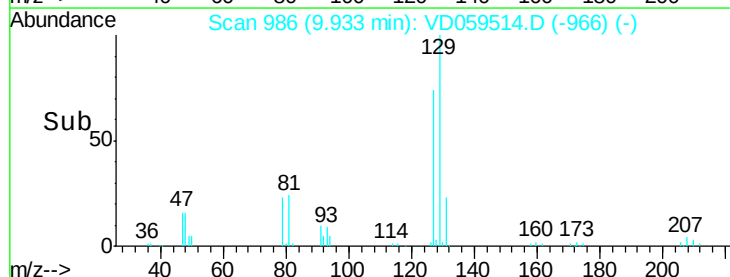
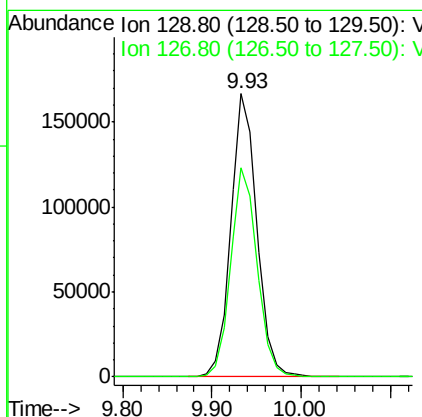
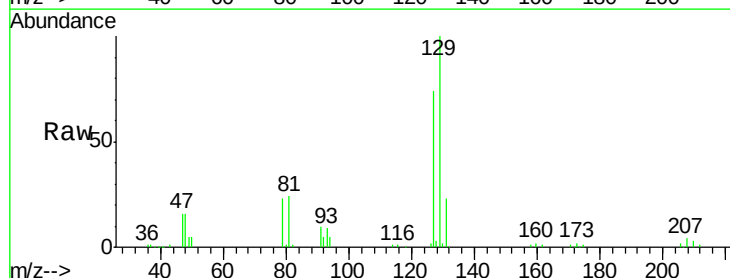
Instrument :
MSVOA_D
ClientSampleId :
ICVVD070218

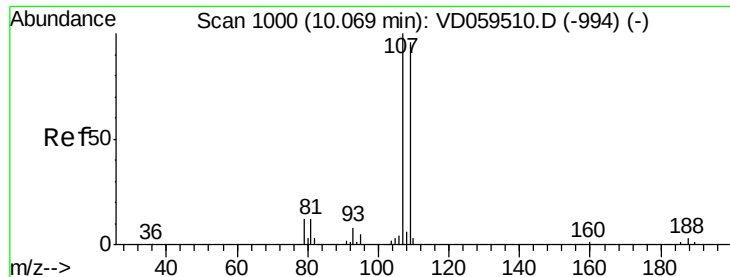
Tot Ion: 43 Resp: 905377
Ion Ratio Lower Upper
43 100
58 42.5 22.0 66.0



#60
Dibromochloromethane
Concen: 53.83 ug/l
RT: 9.93 min Scan# 986
Delta R.T. -0.01 min
Lab File: VD059514.D
Acq: 2 Jul 2018 20:55

Tgt Ion: 129 Resp: 341735
Ion Ratio Lower Upper
129 100
127 73.8 37.2 111.6





#61

1,2-Dibromoethane

Concen: 50.71 ug/l

RT: 10.07 min Scan# 1000

Delta R.T. 0.00 min

Lab File: VD059514.D

Acq: 2 Jul 2018 20:55

Instrument :

MSVOA_D

ClientSampleId :

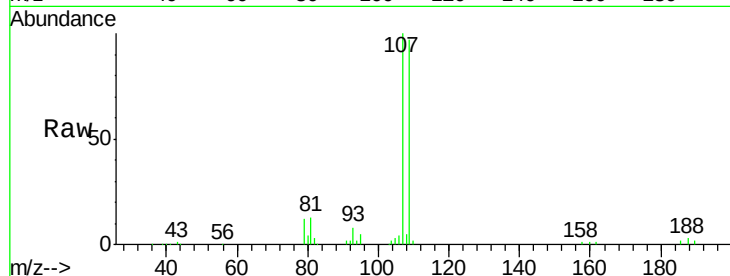
ICVVD070218

Tot Ion:107 Resp: 255336

Ion Ratio Lower Upper

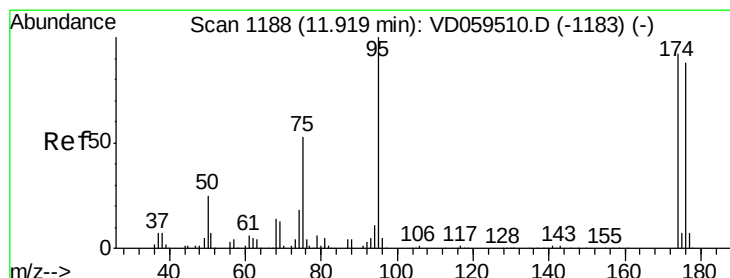
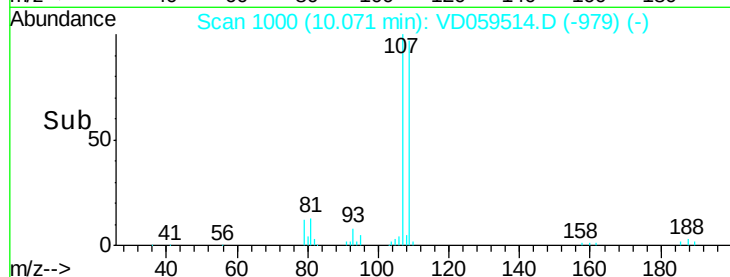
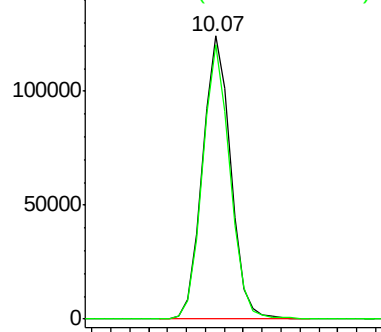
107 100

109 96.7 76.8 115.2



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.90 (108.60 to 109.60): V



#62

4-Bromofluorobenzene

Concen: 50.71 ug/l

RT: 11.92 min Scan# 1188

Delta R.T. 0.00 min

Lab File: VD059514.D

Acq: 2 Jul 2018 20:55

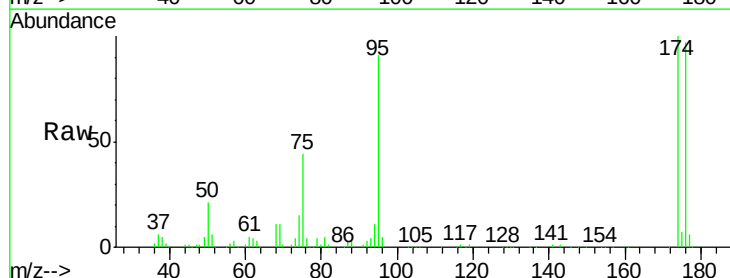
Tgt Ion: 95 Resp: 370609

Ion Ratio Lower Upper

95 100

174 110.3 0.0 183.0

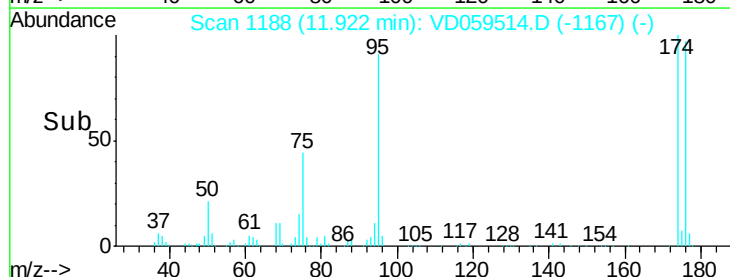
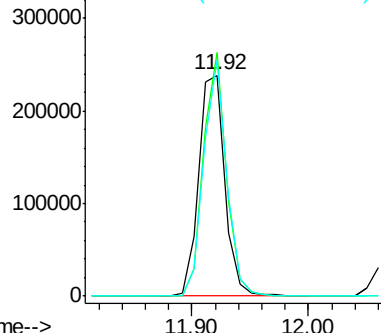
176 106.8 0.0 176.6

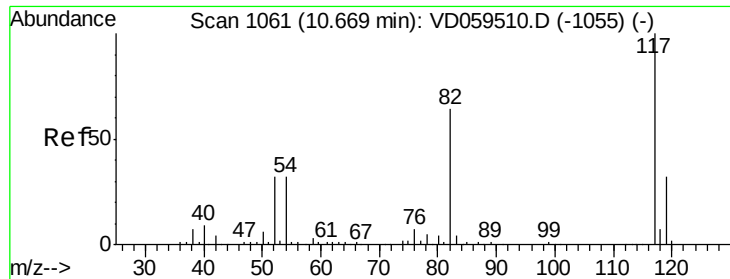


Abundance Ion 95.00 (94.70 to 95.70): V

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

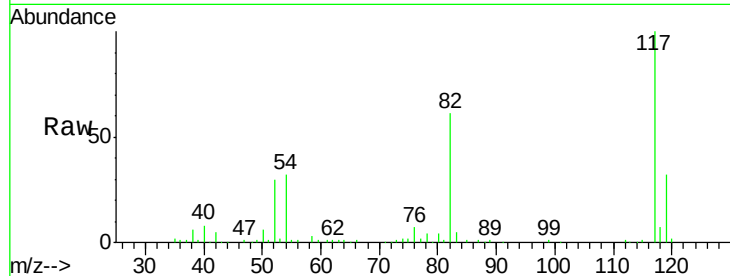




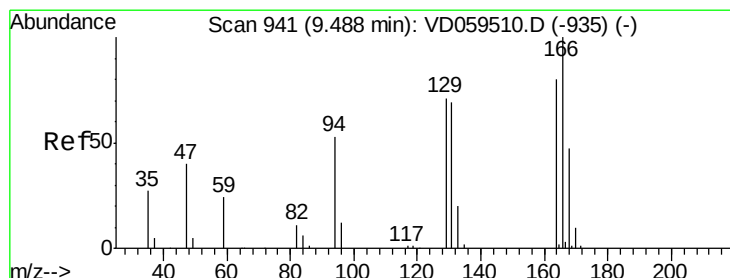
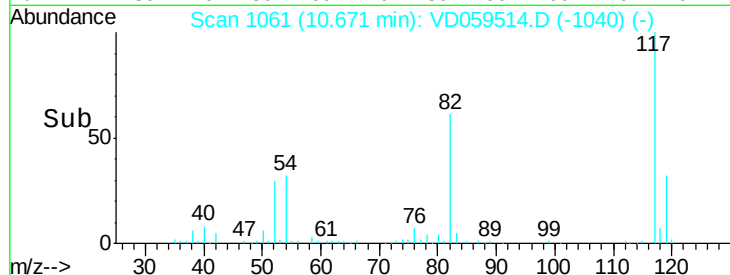
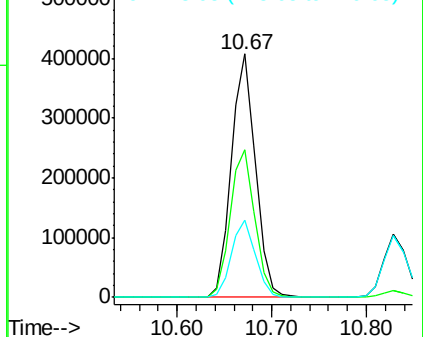
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.67 min Scan# 1061
Delta R.T. 0.00 min
Lab File: VD059514.D
Acq: 2 Jul 2018 20:55

Instrument :
MSVOA_D
ClientSampleId :
ICVVD070218

Tot Ion:117 Resp: 720127
Ion Ratio Lower Upper
117 100
82 60.9 51.1 76.7
119 31.7 25.6 38.4

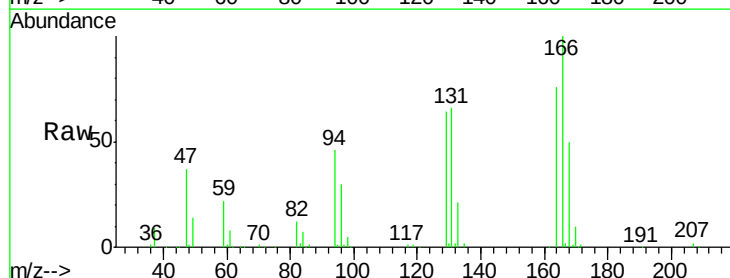


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

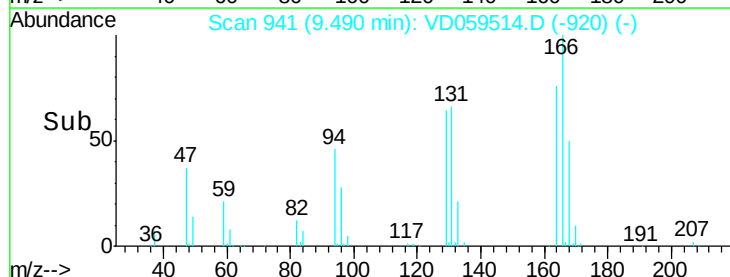
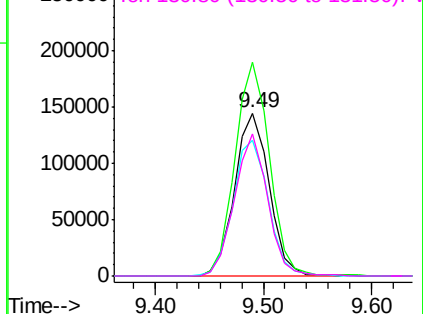


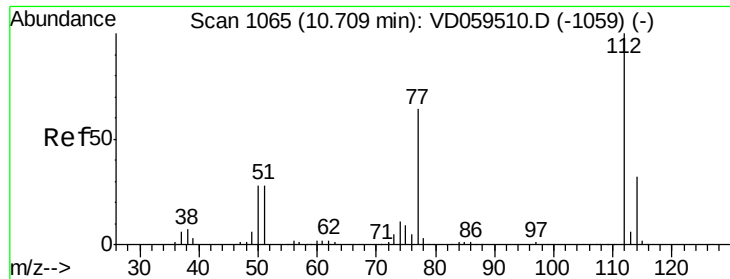
#64
Tetrachloroethene
Concen: 51.81 ug/l
RT: 9.49 min Scan# 941
Delta R.T. 0.00 min
Lab File: VD059514.D
Acq: 2 Jul 2018 20:55

Tgt Ion:164 Resp: 320918
Ion Ratio Lower Upper
164 100
166 131.1 99.5 149.3
129 83.5 70.9 106.3
131 87.2 68.8 103.2



Abundance Ion 163.85 (163.55 to 164.55): V
Ion 165.85 (165.55 to 166.55): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V

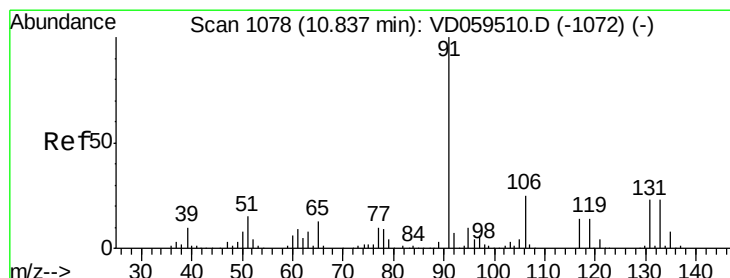
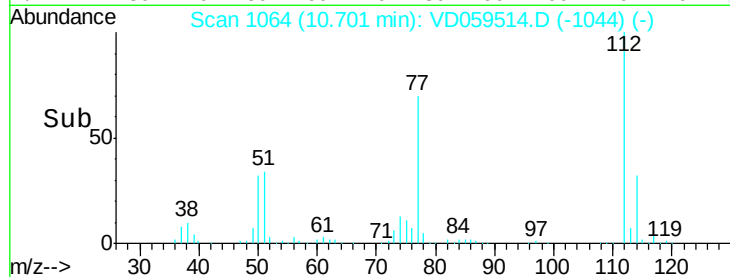
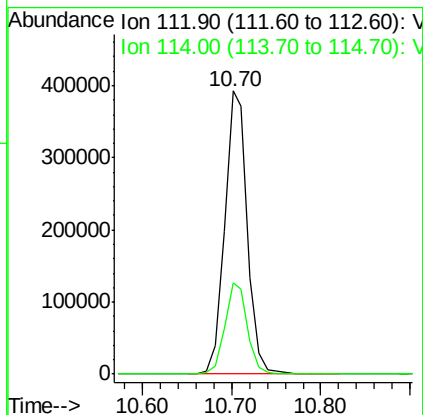
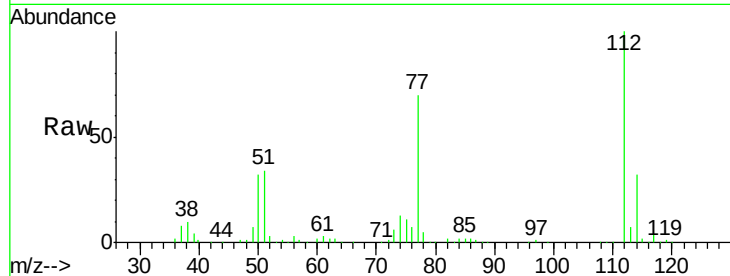




#65
Chlorobenzene
Concen: 50.43 ug/l
RT: 10.70 min Scan# 1064
Delta R.T. -0.01 min
Lab File: VD059514.D
Acq: 2 Jul 2018 20:55

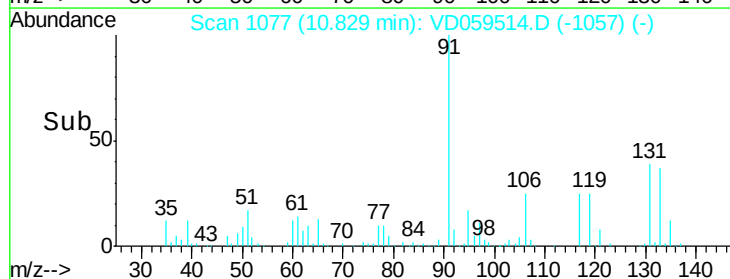
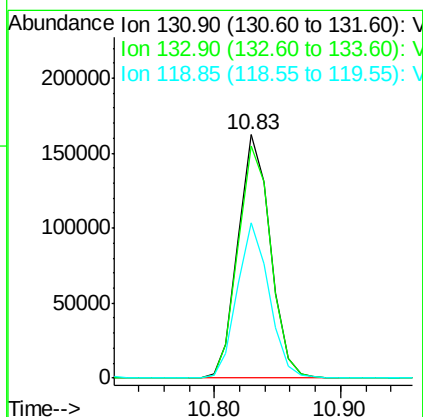
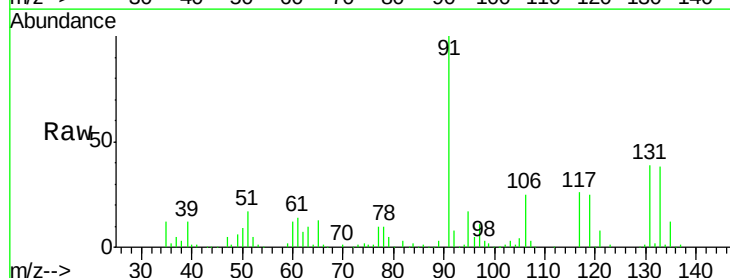
Instrument :
MSVOA_D
ClientSampleId :
ICVVD070218

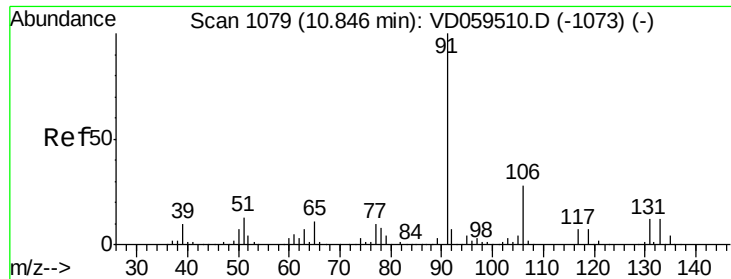
Tot Ion:112 Resp: 699549
Ion Ratio Lower Upper
112 100
114 32.1 25.4 38.2



#66
1,1,1,2-Tetrachloroethane
Concen: 50.80 ug/l
RT: 10.83 min Scan# 1077
Delta R.T. -0.01 min
Lab File: VD059514.D
Acq: 2 Jul 2018 20:55

Tgt Ion:131 Resp: 286989
Ion Ratio Lower Upper
131 100
133 95.3 48.9 146.6
119 63.7 30.7 92.1





#67

Ethyl Benzene

Concen: 49.97 ug/l

RT: 10.84 min Scan# 1078

Delta R.T. -0.01 min

Lab File: VD059514.D

Acq: 2 Jul 2018 20:55

Instrument :

MSVOA_D

ClientSampleId :

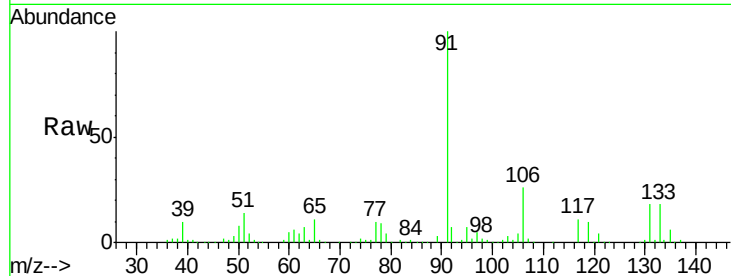
ICVVD070218

Tot Ion: 91 Resp: 1229171

Ion Ratio Lower Upper

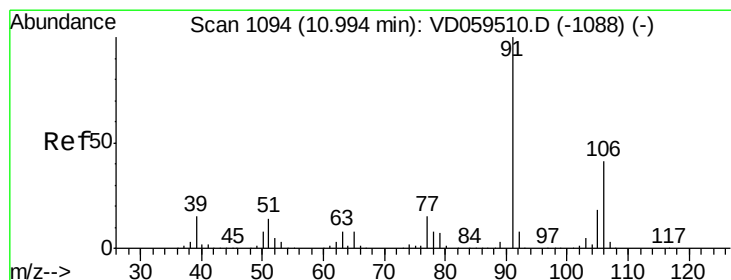
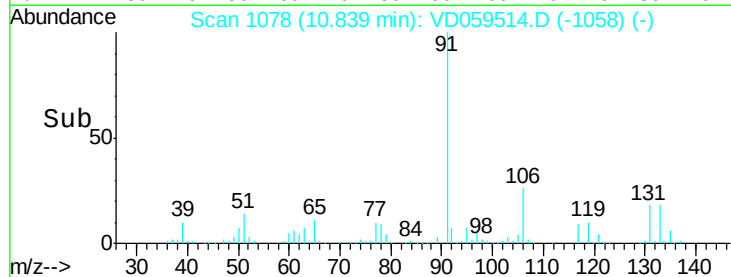
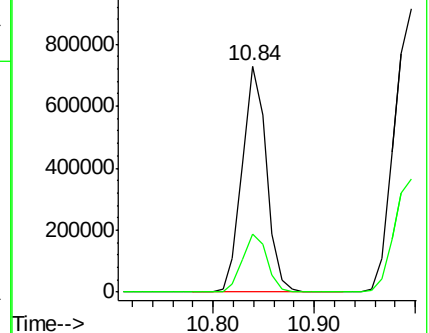
91 100

106 25.6 22.2 33.2



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 106.05 (105.75 to 106.75): VDC



#68

m/p-Xylenes

Concen: 100.16 ug/l

RT: 11.00 min Scan# 1094

Delta R.T. 0.00 min

Lab File: VD059514.D

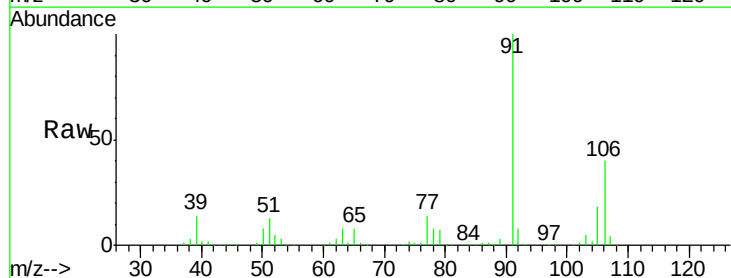
Acq: 2 Jul 2018 20:55

Tgt Ion: 106 Resp: 812795

Ion Ratio Lower Upper

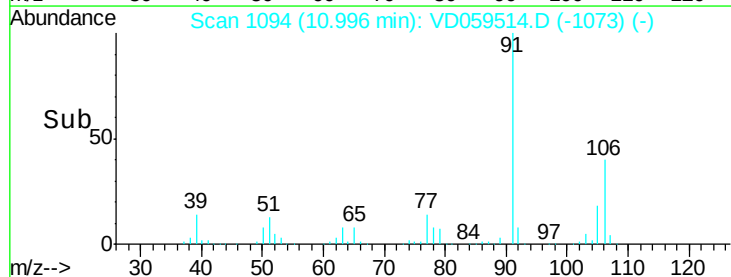
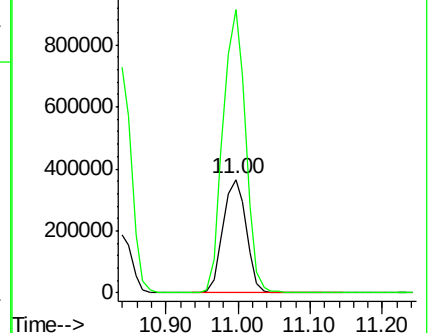
106 100

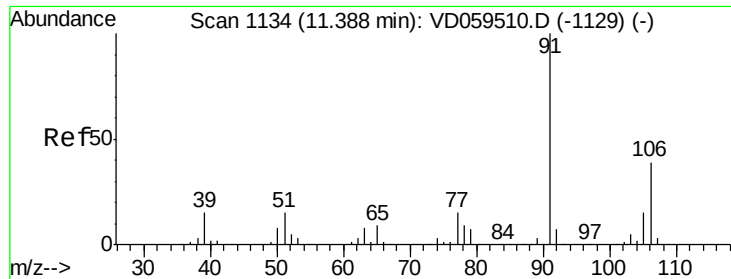
91 249.2 194.1 291.1



Abundance Ion 106.05 (105.75 to 106.75): VDC

Ion 91.00 (90.70 to 91.70): VDC

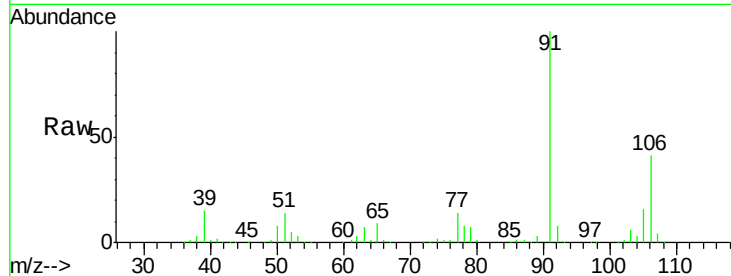




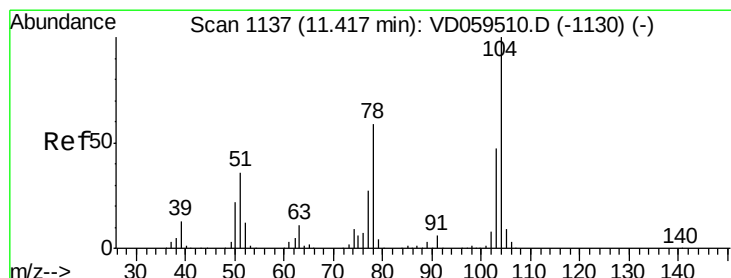
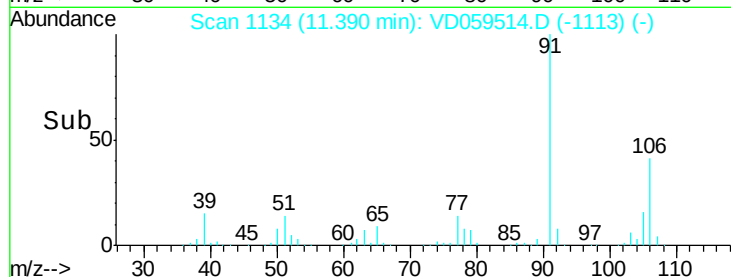
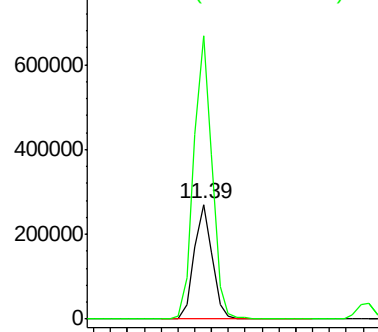
#69
o-Xylene
Concen: 51.66 ug/l
RT: 11.39 min Scan# 1134
Delta R.T. 0.00 min
Lab File: VD059514.D
Acq: 2 Jul 2018 20:55

Instrument :
MSVOA_D
ClientSampleId :
ICVVD070218

Tot Ion:106 Resp: 403946
Ion Ratio Lower Upper
106 100
91 246.6 127.0 381.0

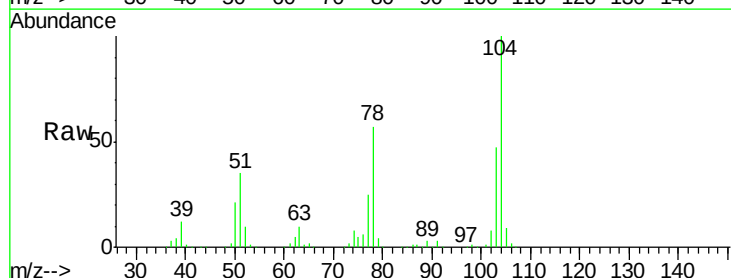


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): V

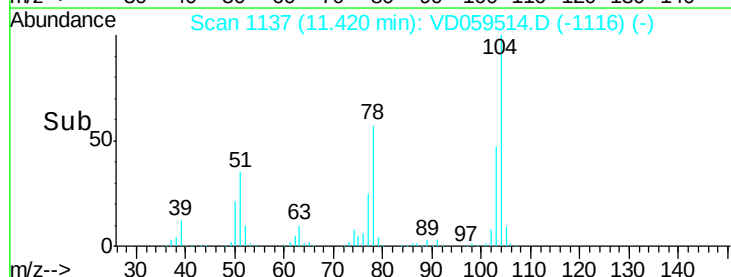
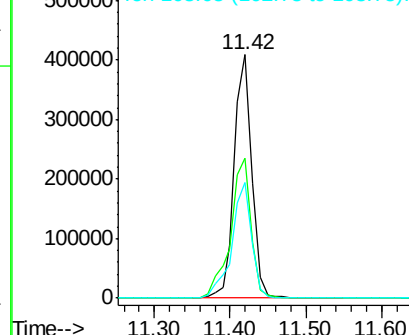


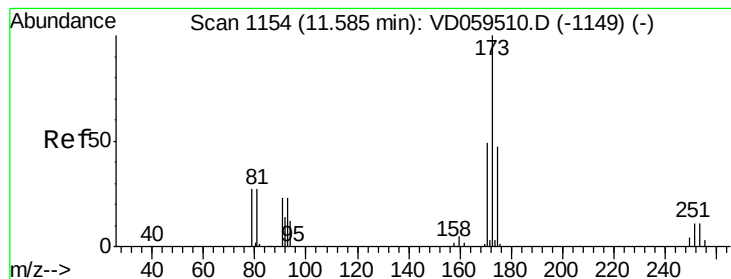
#70
Styrene
Concen: 49.52 ug/l
RT: 11.42 min Scan# 1137
Delta R.T. 0.00 min
Lab File: VD059514.D
Acq: 2 Jul 2018 20:55

Tgt Ion:104 Resp: 649092
Ion Ratio Lower Upper
104 100
78 57.5 47.6 71.4
103 47.5 37.6 56.4



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





#71

Bromoform

Concen: 56.51 ug/l

RT: 11.59 min Scan# 1154

Delta R.T. 0.00 min

Lab File: VD059514.D

Acq: 2 Jul 2018 20:55

Instrument :

MSVOA_D

ClientSampleId :

ICVVD070218

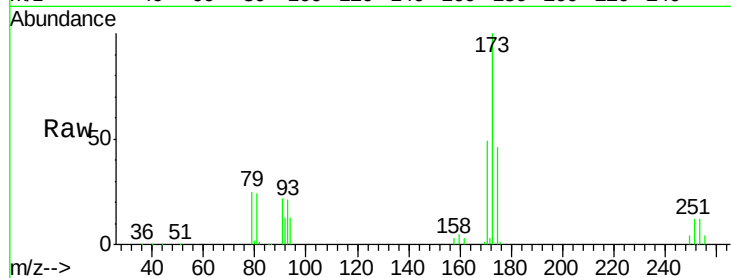
Tot Ion:173 Resp: 240961

Ion Ratio Lower Upper

173 100

175 46.4 23.3 69.8

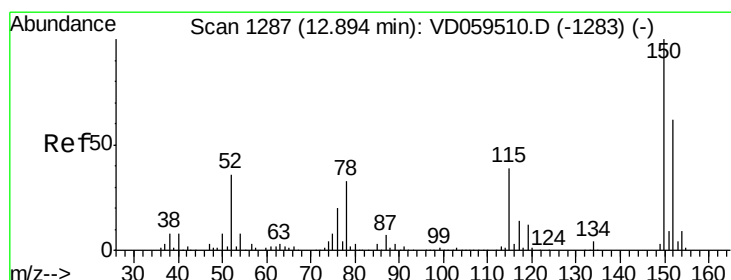
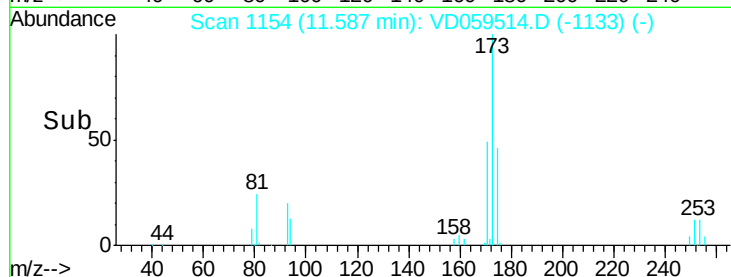
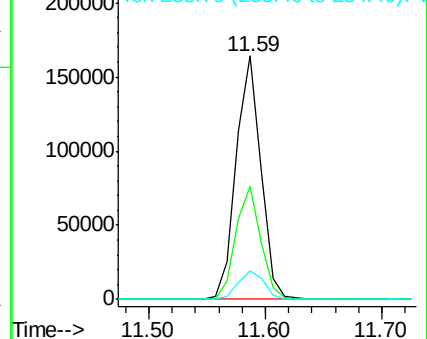
254 11.7 9.0 13.6



Abundance Ion 172.80 (172.50 to 173.50): V

Ion 174.80 (174.50 to 175.50): V

Ion 253.70 (253.40 to 254.40): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.90 min Scan# 1287

Delta R.T. 0.00 min

Lab File: VD059514.D

Acq: 2 Jul 2018 20:55

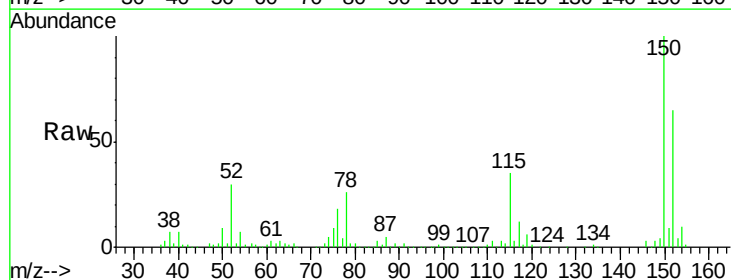
Tgt Ion:152 Resp: 396062

Ion Ratio Lower Upper

152 100

115 54.4 31.3 93.9

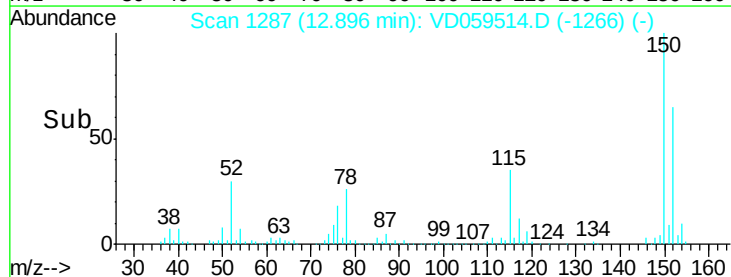
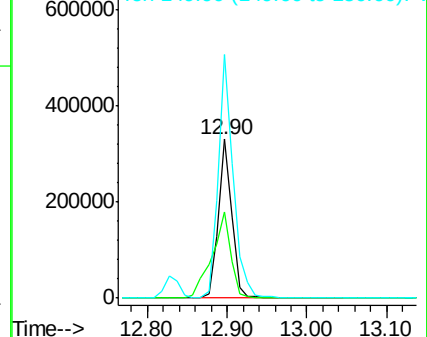
150 153.3 0.0 323.6

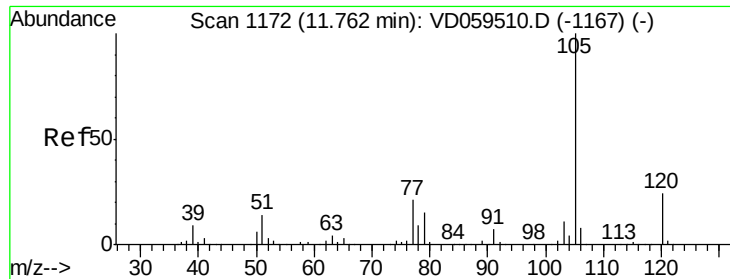


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 115.00 (114.70 to 115.70): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 46.87 ug/l

RT: 11.76 min Scan# 1172

Delta R.T. 0.00 min

Lab File: VD059514.D

Acq: 2 Jul 2018 20:55

Instrument :

MSVOA_D

ClientSampleId :

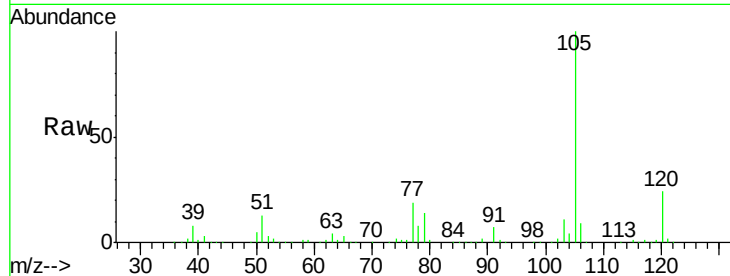
ICVVD070218

Tot Ion:105 Resp: 1109323

Ion Ratio Lower Upper

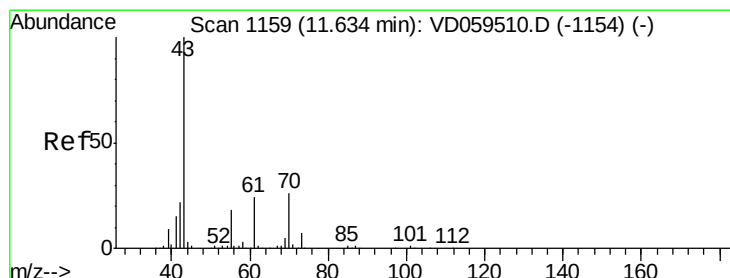
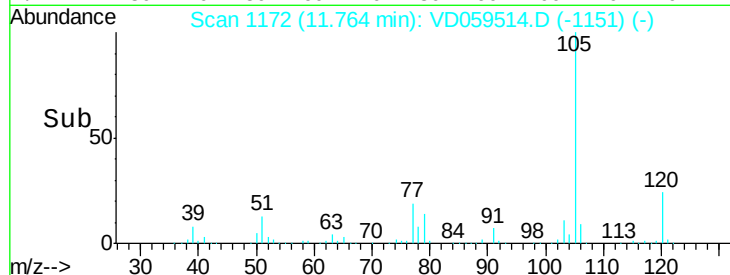
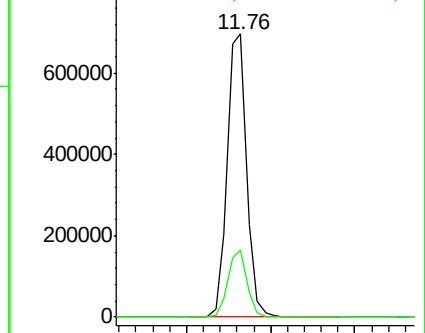
105 100

120 23.9 12.1 36.3



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#74

N-ethyl acetate

Concen: 49.91 ug/l

RT: 11.64 min Scan# 1159

Delta R.T. 0.00 min

Lab File: VD059514.D

Acq: 2 Jul 2018 20:55

Tgt Ion: 43 Resp: 498502

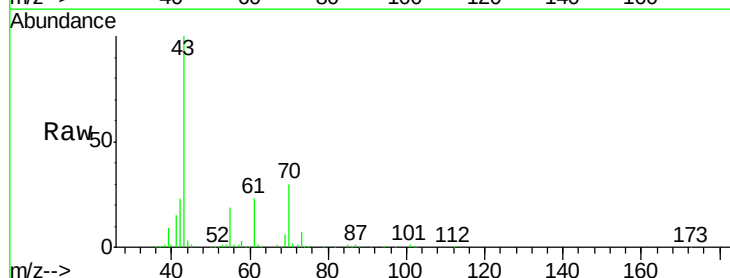
Ion Ratio Lower Upper

43 100

70 29.6 20.6 31.0

55 18.5 14.4 21.6

61 22.6 19.2 28.8

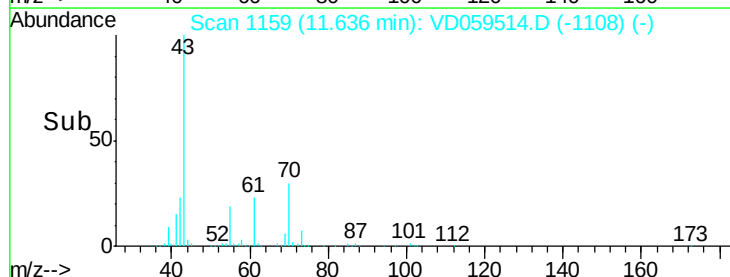
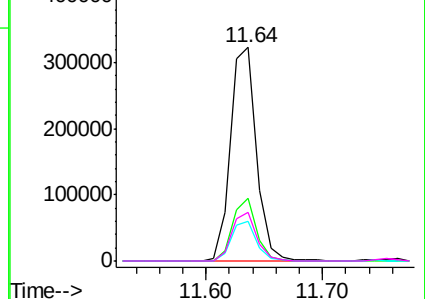


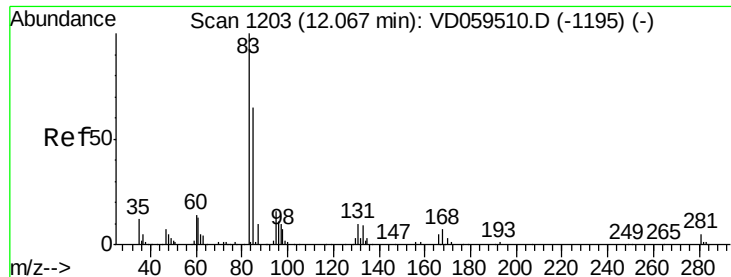
Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 60.95 (60.65 to 61.65): VDC





#75

1,1,2,2-Tetrachloroethane

Concen: 47.07 ug/l

RT: 12.06 min Scan# 1202

Delta R.T. -0.01 min

Lab File: VD059514.D

Acq: 2 Jul 2018 20:55

Instrument :

MSVOA_D

ClientSampleId :

ICVVD070218

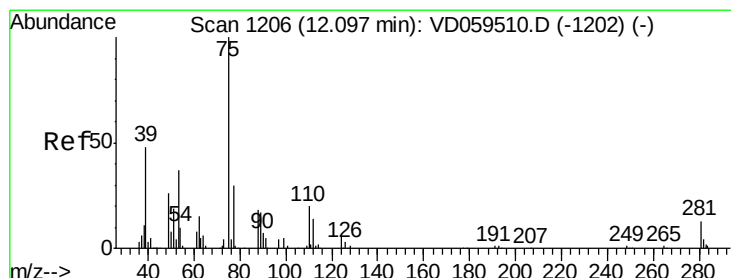
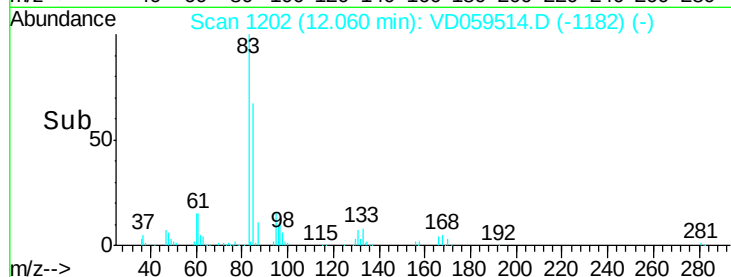
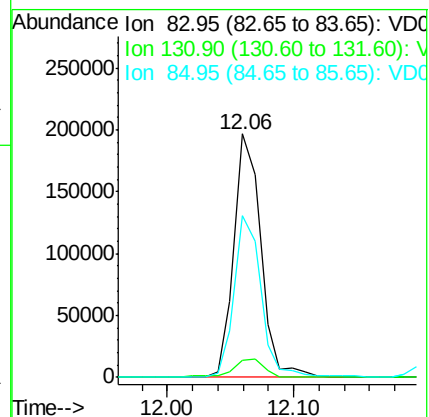
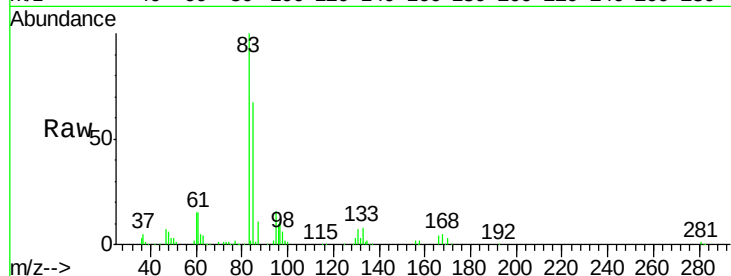
Tot Ion: 83 Resp: 288664

Ion	Ratio	Lower	Upper
83	100		
131	7.1	5.0	15.0
85	66.6	32.3	96.8

83 100

131 7.1 5.0 15.0

85 66.6 32.3 96.8



#76

1,2,3-Trichloropropane

Concen: 45.48 ug/l

RT: 12.10 min Scan# 1206

Delta R.T. 0.00 min

Lab File: VD059514.D

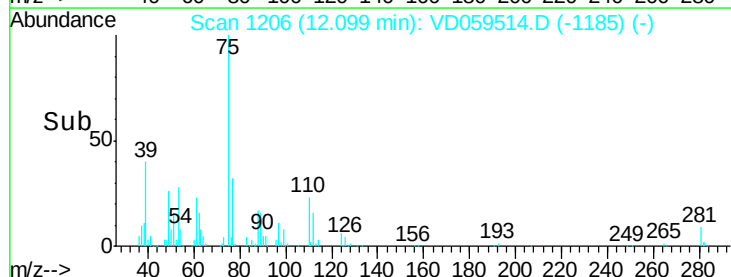
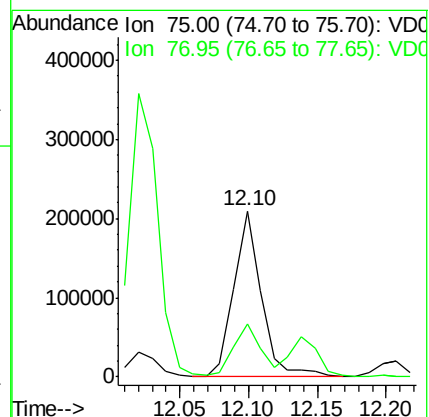
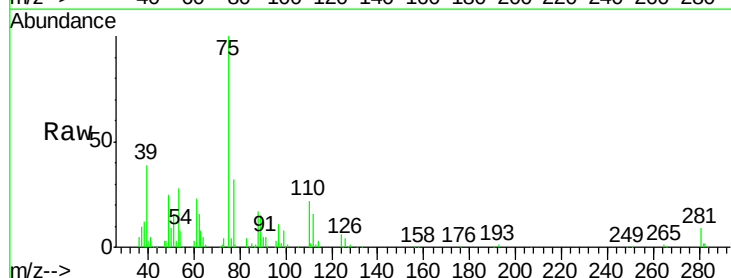
Acq: 2 Jul 2018 20:55

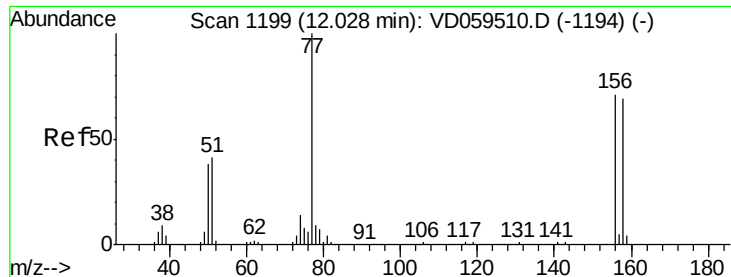
Tgt Ion: 75 Resp: 290666

Ion	Ratio	Lower	Upper
75	100		
77	32.0	16.4	49.2

75 100

77 32.0 16.4 49.2





#77

Bromobenzene

Concen: 49.08 ug/l

RT: 12.03 min Scan# 1199

Delta R.T. 0.00 min

Lab File: VD059514.D

Acq: 2 Jul 2018 20:55

Instrument :

MSVOA_D

ClientSampleId :

ICVVD070218

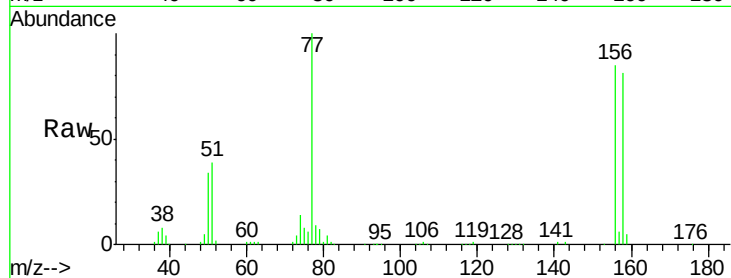
Tot Ion:156 Resp: 364573

Ion Ratio Lower Upper

156 100

77 117.2 70.0 210.0

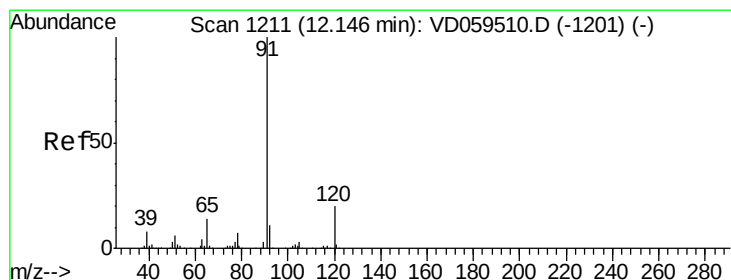
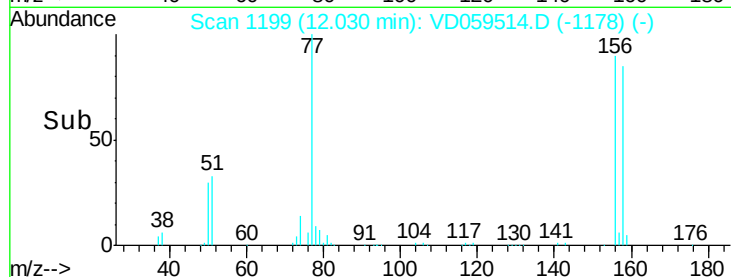
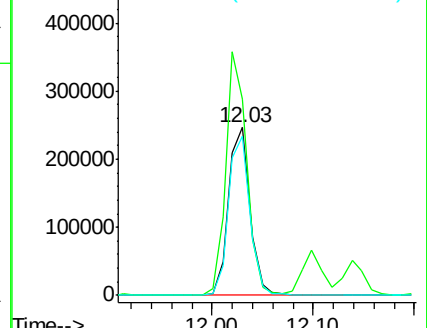
158 94.6 48.3 144.9



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: 45.68 ug/l

RT: 12.14 min Scan# 1210

Delta R.T. -0.01 min

Lab File: VD059514.D

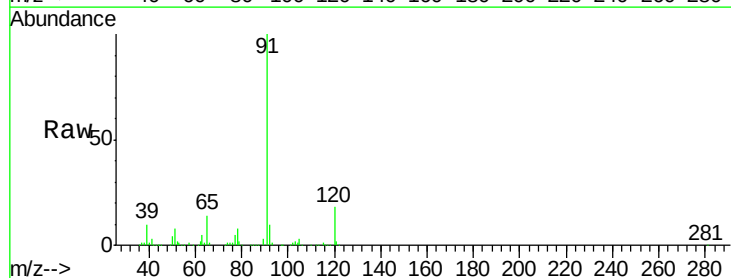
Acq: 2 Jul 2018 20:55

Tgt Ion: 91 Resp: 1448384

Ion Ratio Lower Upper

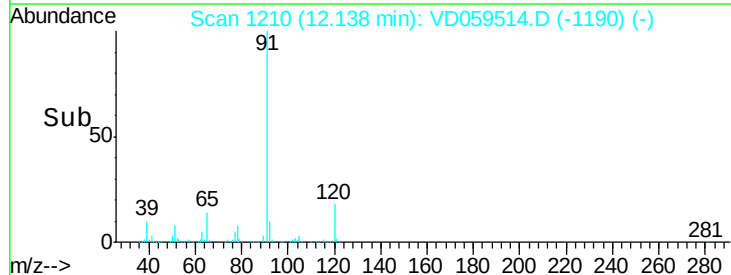
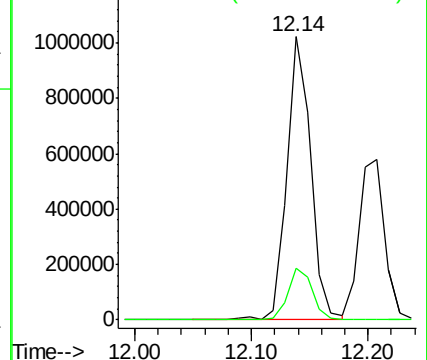
91 100

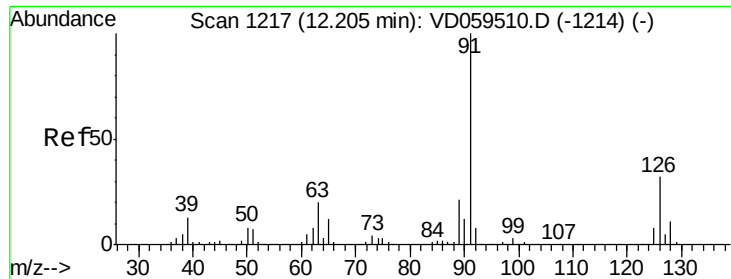
120 18.4 10.0 29.8



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V





#79

2-Chlorotoluene

Concen: 46.97 ug/l

RT: 12.21 min Scan# 1217

Delta R.T. 0.00 min

Lab File: VD059514.D

Acq: 2 Jul 2018 20:55

Instrument :

MSVOA_D

ClientSampleId :

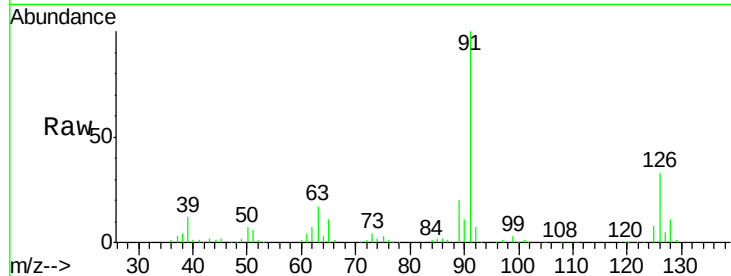
ICVVD070218

Tot Ion: 91 Resp: 875808

Ion Ratio Lower Upper

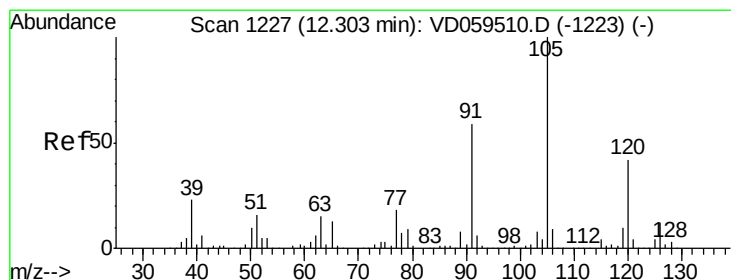
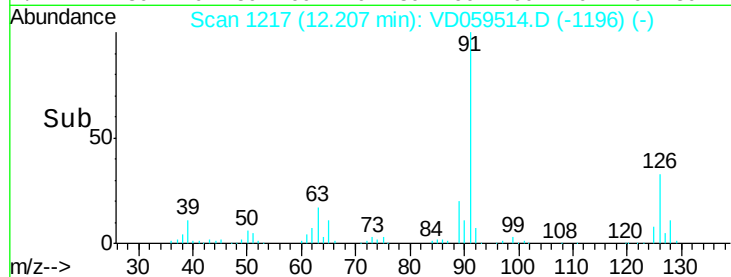
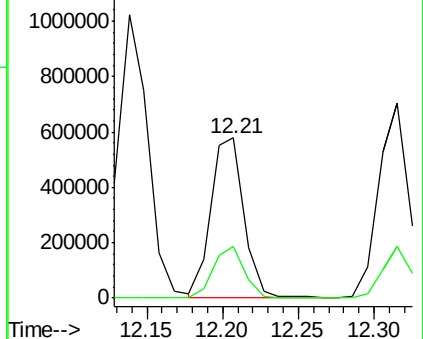
91 100

126 32.7 15.9 47.6



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 125.95 (125.65 to 126.65): V



#80

1,3,5-Trimethylbenzene

Concen: 46.65 ug/l

RT: 12.31 min Scan# 1227

Delta R.T. 0.00 min

Lab File: VD059514.D

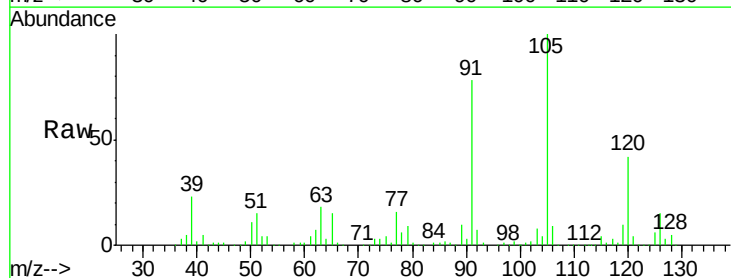
Acq: 2 Jul 2018 20:55

Tgt Ion: 105 Resp: 897444

Ion Ratio Lower Upper

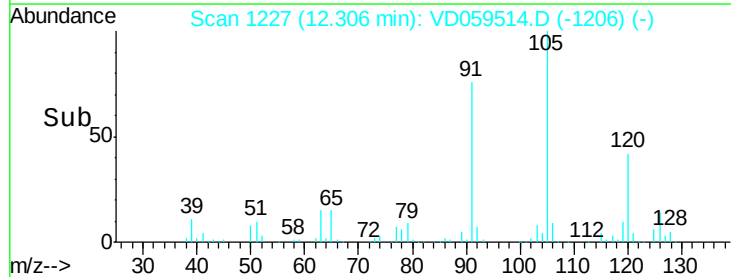
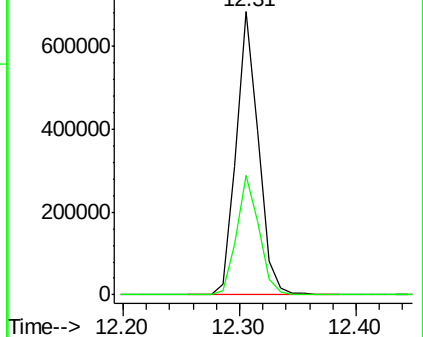
105 100

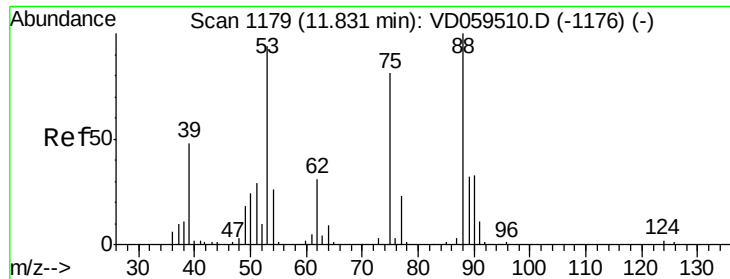
120 42.3 20.8 62.4



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V





#81

trans-1,4-Dichloro-2-butene

Concen: 43.30 ug/l

RT: 11.83 min Scan# 1179

Delta R.T. 0.00 min

Lab File: VD059514.D

Acq: 2 Jul 2018 20:55

Instrument :

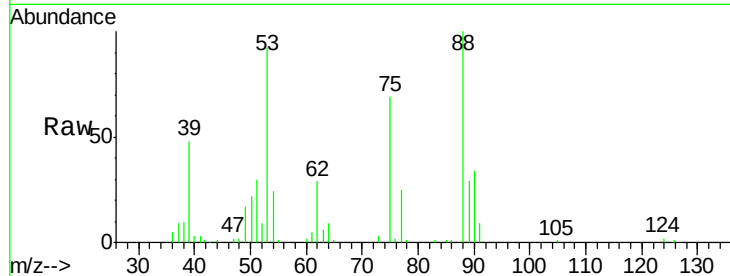
MSVOA_D

ClientSampleId :

ICVVD070218

Tot Ion: 75 Resp: 73307

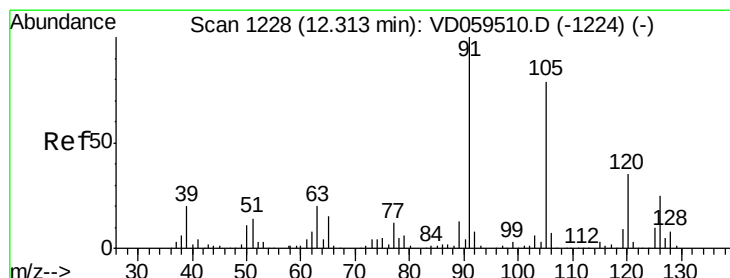
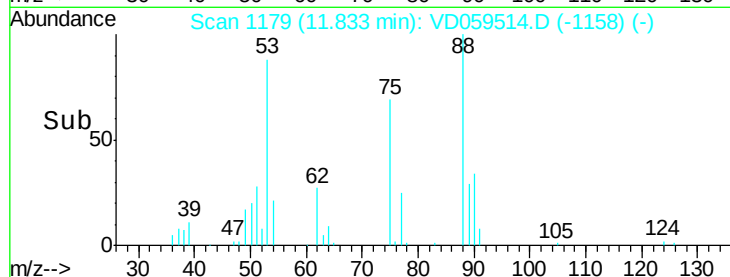
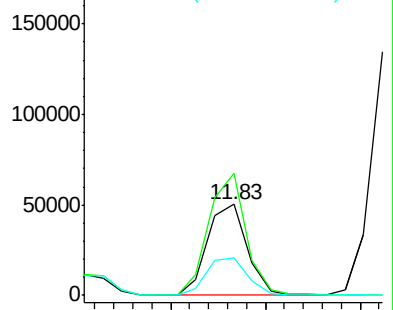
Ion	Ratio	Lower	Upper
75	100		
53	133.7	92.6	139.0
89	41.4	31.5	47.3



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 89.00 (88.70 to 89.70): VDC



#82

4-Chlorotoluene

Concen: 46.53 ug/l

RT: 12.32 min Scan# 1228

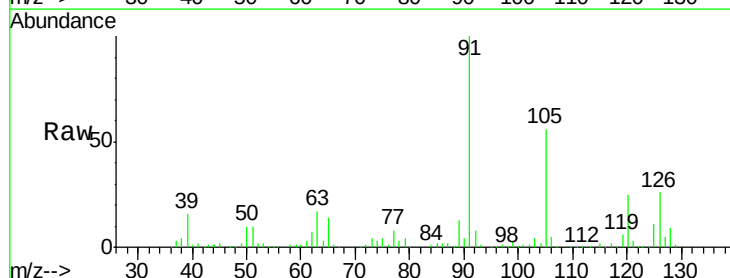
Delta R.T. 0.00 min

Lab File: VD059514.D

Acq: 2 Jul 2018 20:55

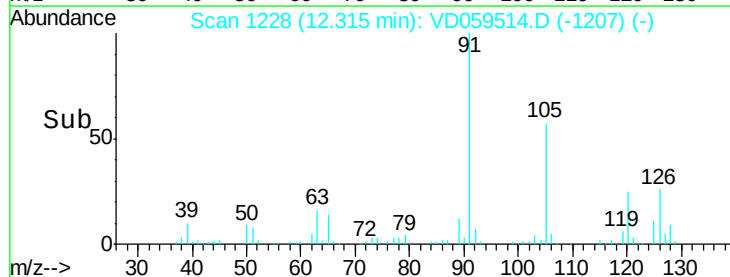
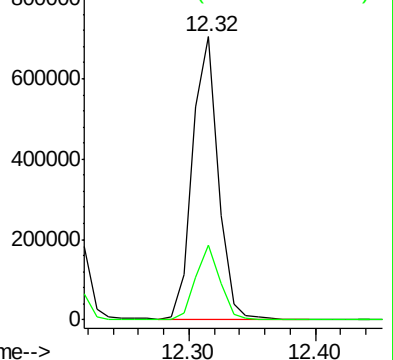
Tgt Ion: 91 Resp: 983285

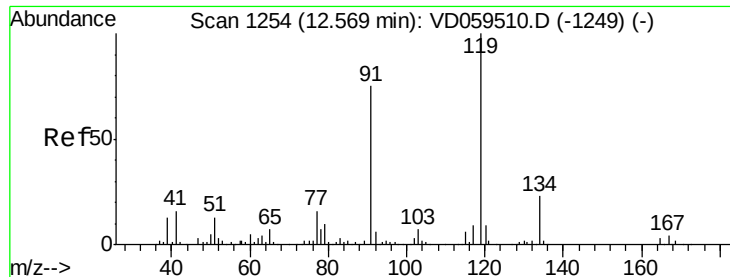
Ion	Ratio	Lower	Upper
91	100		
126	26.4	12.3	36.9



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.95 (125.65 to 126.65): V

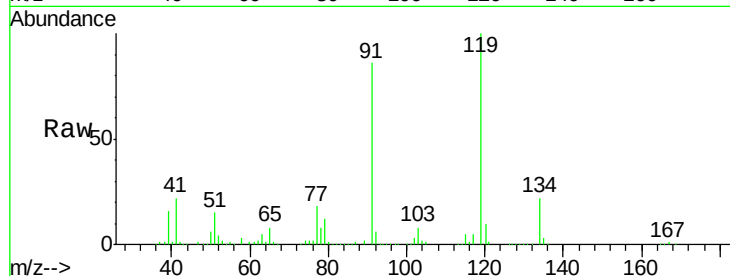




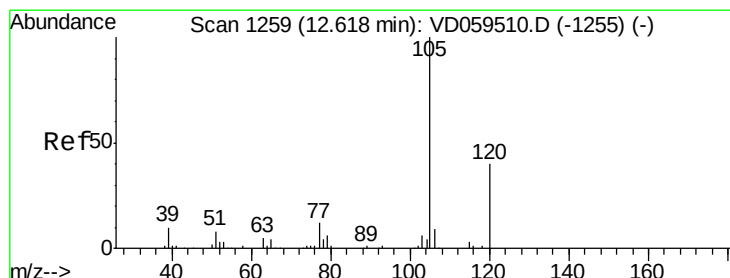
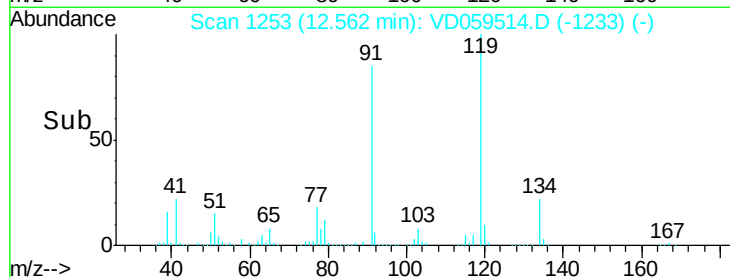
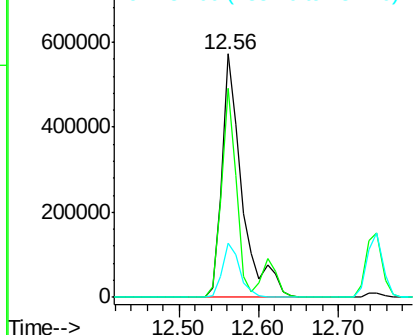
#83
 tert-Butylbenzene
 Concen: 46.79 ug/l
 RT: 12.56 min Scan# 1253
 Delta R.T. -0.01 min
 Lab File: VD059514.D
 Acq: 2 Jul 2018 20:55

Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD070218

Tot Ion:119 Resp: 1023965
 Ion Ratio Lower Upper
 119 100
 91 86.1 37.8 113.3
 134 22.3 11.5 34.4

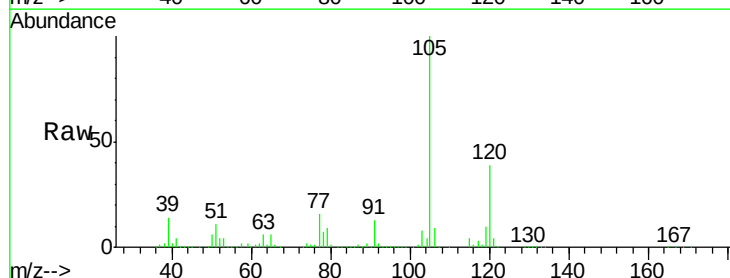


Abundance Ion 119.05 (118.75 to 119.75): V
 Ion 91.00 (90.70 to 91.70): V
 Ion 134.00 (133.70 to 134.70): V

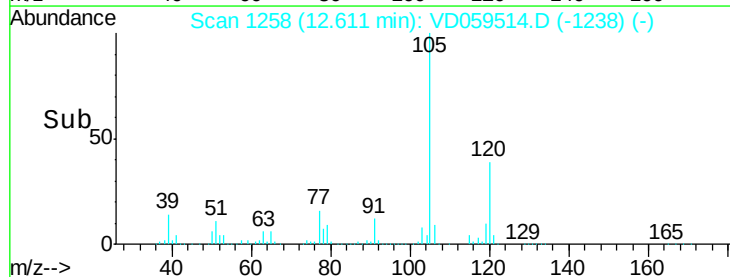
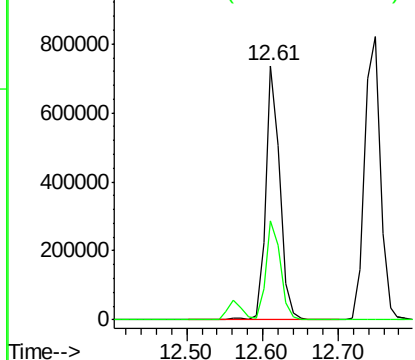


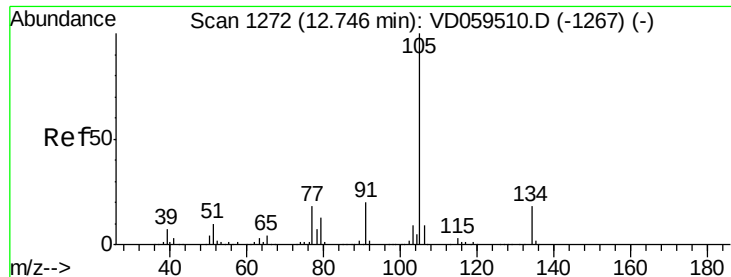
#84
 1,2,4-Trimethylbenzene
 Concen: 46.73 ug/l
 RT: 12.61 min Scan# 1258
 Delta R.T. -0.01 min
 Lab File: VD059514.D
 Acq: 2 Jul 2018 20:55

Tgt Ion:105 Resp: 965625
 Ion Ratio Lower Upper
 105 100
 120 39.1 21.1 63.3



Abundance Ion 105.05 (104.75 to 105.75): V
 Ion 120.05 (119.75 to 120.75): V

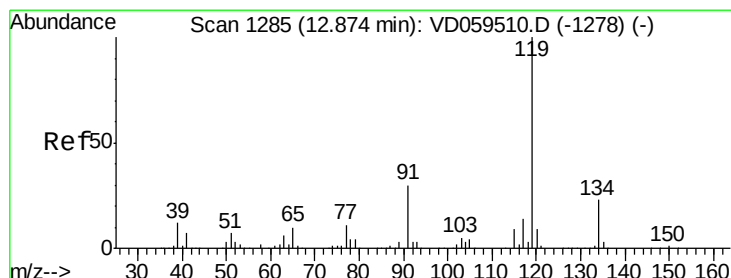
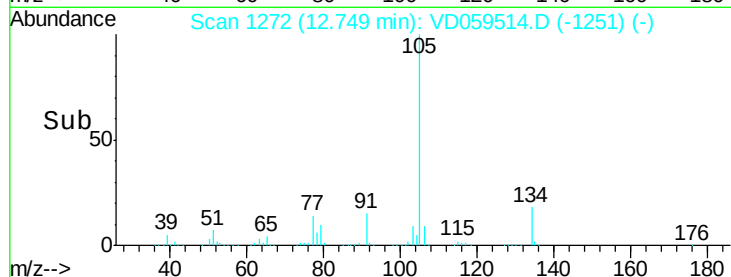
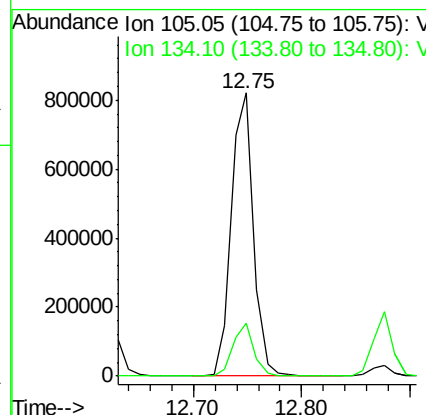
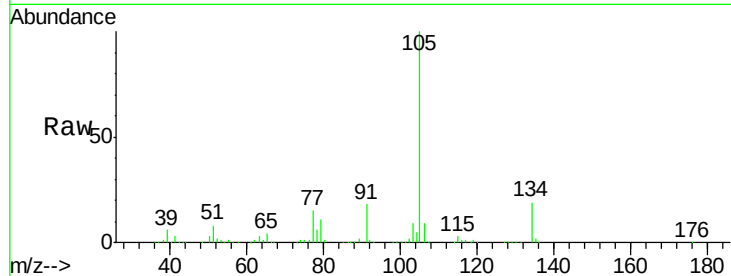




#85
 sec-Butylbenzene
 Concen: 46.46 ug/l
 RT: 12.75 min Scan# 1272
 Delta R.T. 0.00 min
 Lab File: VD059514.D
 Acq: 2 Jul 2018 20:55

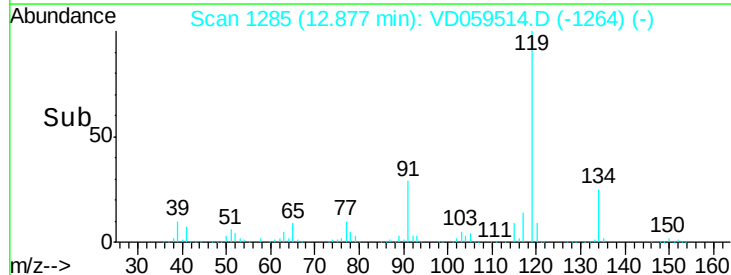
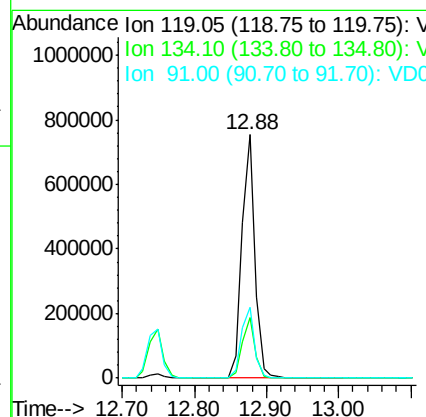
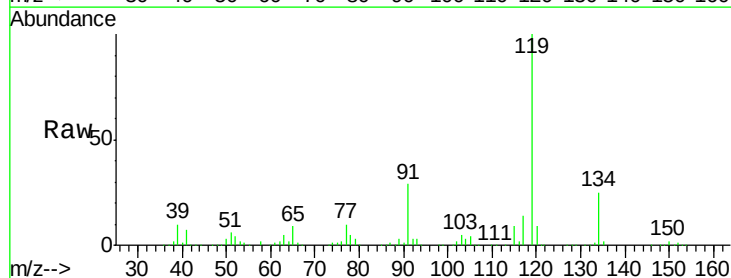
Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD070218

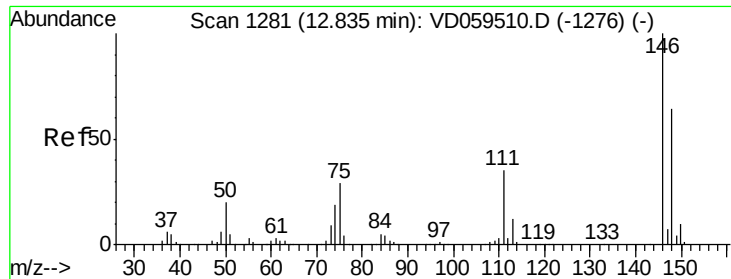
Tot Ion:105 Resp: 1166777
 Ion Ratio Lower Upper
 105 100
 134 18.6 8.8 26.4



#86
 p-Isopropyltoluene
 Concen: 45.06 ug/l
 RT: 12.88 min Scan# 1285
 Delta R.T. 0.00 min
 Lab File: VD059514.D
 Acq: 2 Jul 2018 20:55

Tgt Ion:119 Resp: 949403
 Ion Ratio Lower Upper
 119 100
 134 24.7 11.6 34.8
 91 29.2 15.3 45.8

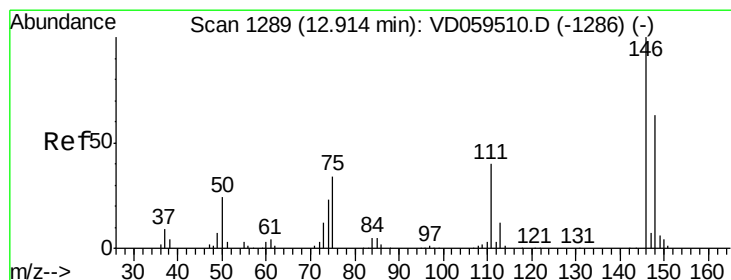
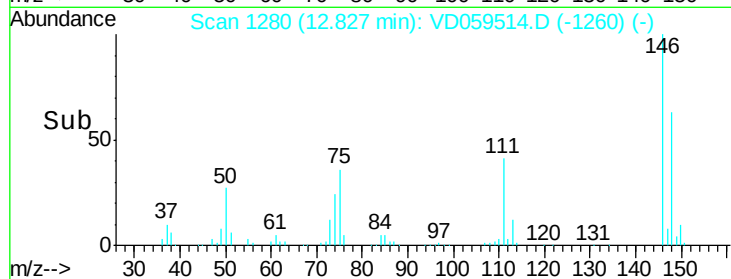
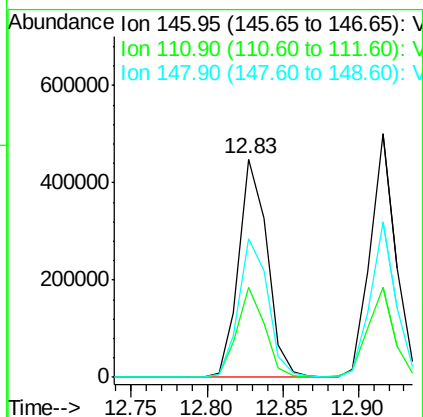
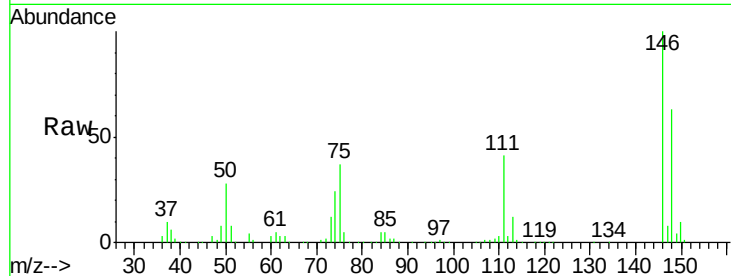




#87
 1,3-Dichlorobenzene
 Concen: 46.58 ug/l
 RT: 12.83 min Scan# 1280
 Delta R.T. -0.01 min
 Lab File: VD059514.D
 Acq: 2 Jul 2018 20:55

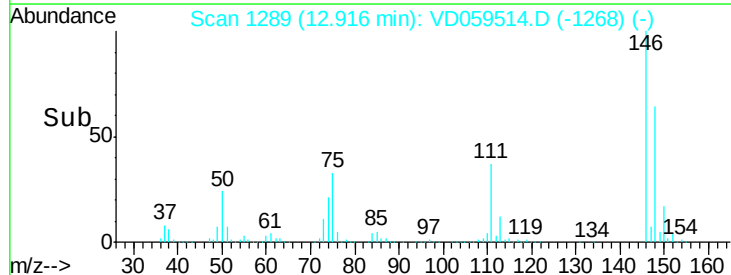
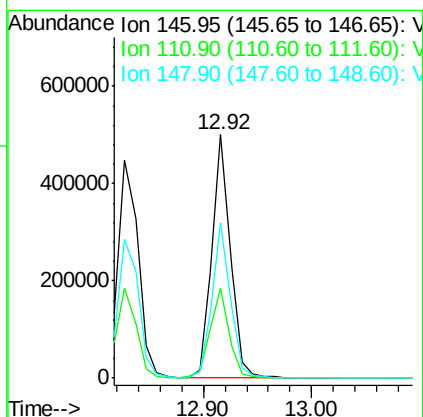
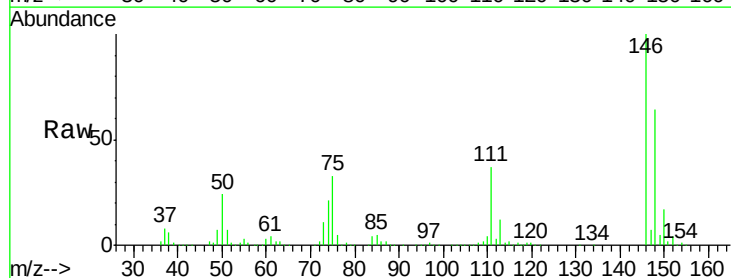
Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD070218

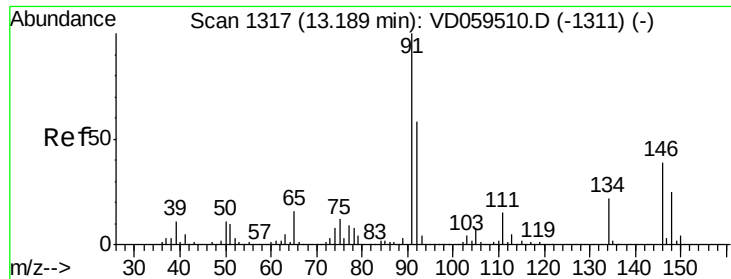
Tot Ion:146 Resp: 592462
 Ion Ratio Lower Upper
 146 100
 111 41.0 17.6 52.9
 148 63.4 32.0 96.2



#88
 1,4-Dichlorobenzene
 Concen: 47.67 ug/l
 RT: 12.92 min Scan# 1289
 Delta R.T. 0.00 min
 Lab File: VD059514.D
 Acq: 2 Jul 2018 20:55

Tgt Ion:146 Resp: 595133
 Ion Ratio Lower Upper
 146 100
 111 37.2 20.0 59.9
 148 63.6 31.7 95.1

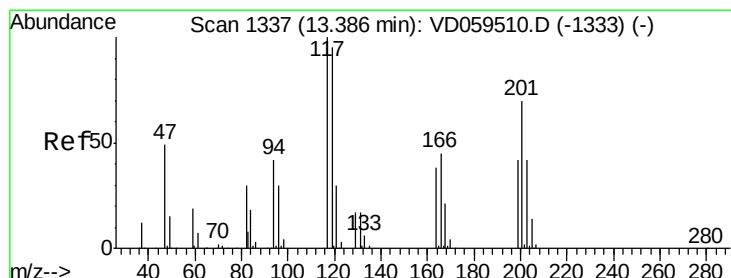
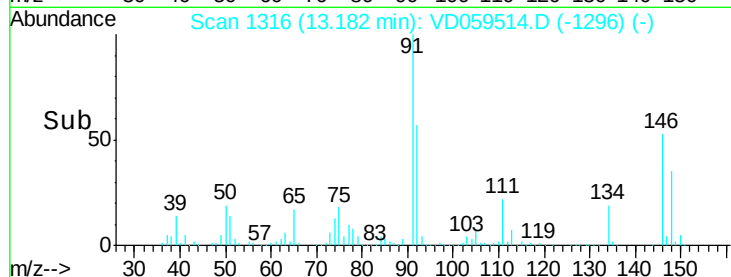
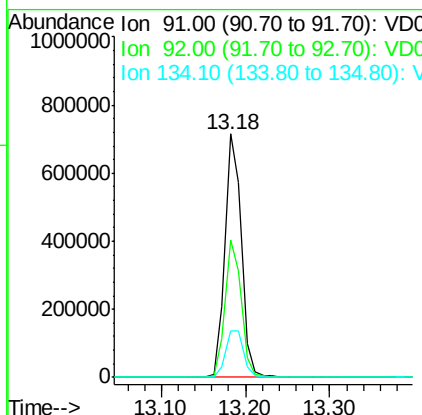
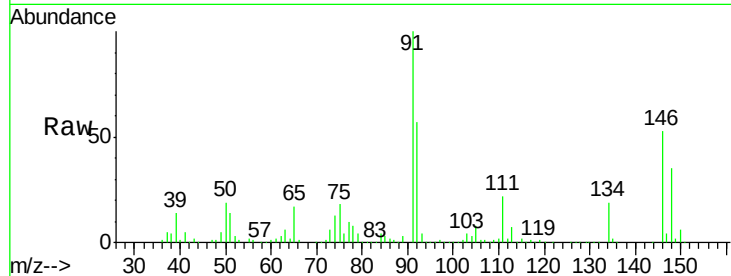




#89
n-Butylbenzene
Concen: 45.28 ug/l
RT: 13.18 min Scan# 1316
Delta R.T. -0.01 min
Lab File: VD059514.D
Acq: 2 Jul 2018 20:55

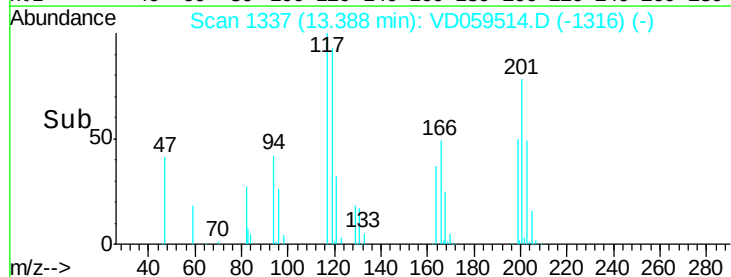
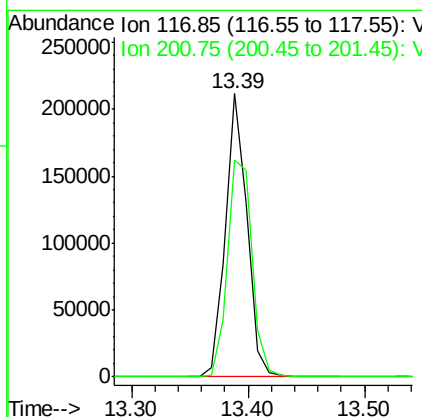
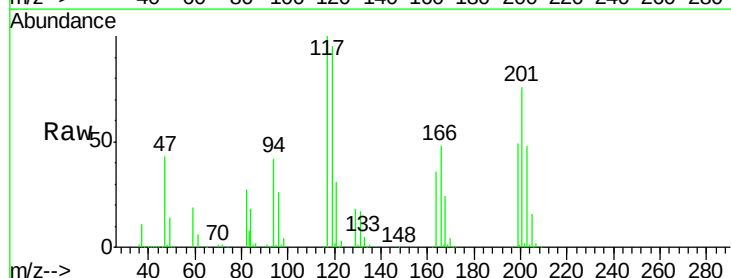
Instrument :
MSVOA_D
ClientSampleId :
ICVVD070218

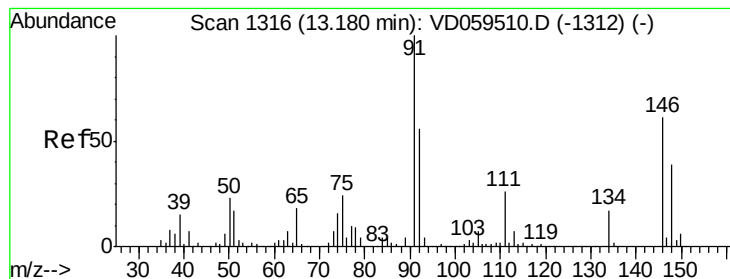
Tot Ion: 91 Resp: 972985
Ion Ratio Lower Upper
91 100
92 56.6 28.9 86.7
134 19.0 11.3 33.8



#90
Hexachloroethane
Concen: 49.57 ug/l
RT: 13.39 min Scan# 1337
Delta R.T. 0.00 min
Lab File: VD059514.D
Acq: 2 Jul 2018 20:55

Tgt Ion: 117 Resp: 270549
Ion Ratio Lower Upper
117 100
201 76.5 35.2 105.6





#91

1,2-Dichlorobenzene

Concen: 45.77 ug/l

RT: 13.18 min Scan# 1316

Delta R.T. 0.00 min

Lab File: VD059514.D

Acq: 2 Jul 2018 20:55

Instrument :

MSVOA_D

ClientSampleId :

ICVVD070218

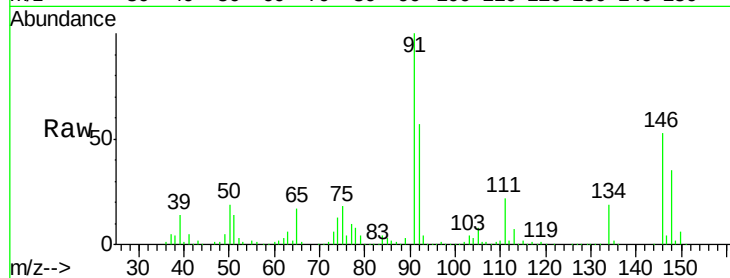
Tot Ion:146 Resp: 489662

Ion Ratio Lower Upper

146 100

111 40.8 21.3 63.9

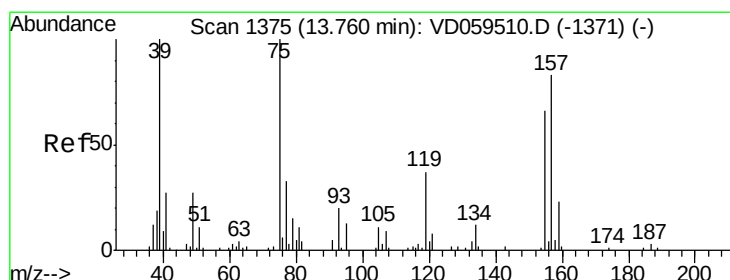
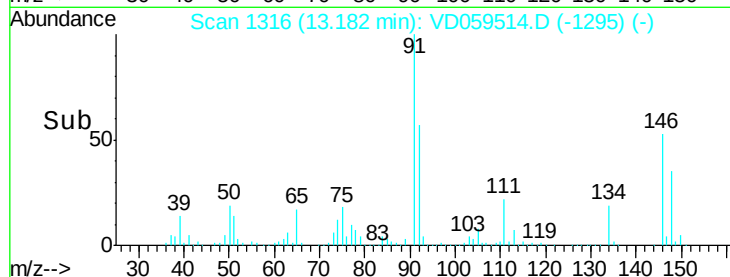
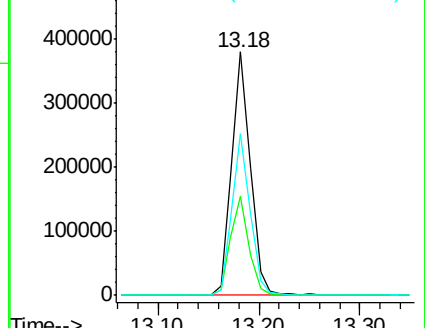
148 66.4 32.4 97.0



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 50.06 ug/l

RT: 13.76 min Scan# 1375

Delta R.T. 0.00 min

Lab File: VD059514.D

Acq: 2 Jul 2018 20:55

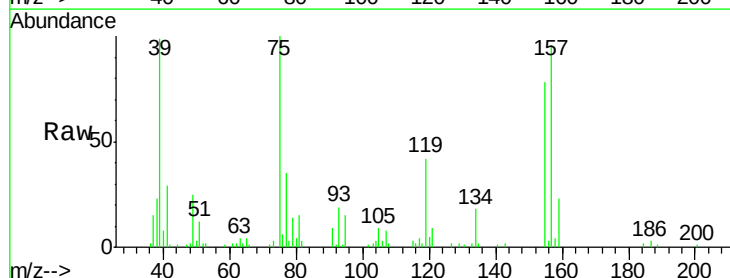
Tgt Ion: 75 Resp: 52917

Ion Ratio Lower Upper

75 100

155 77.5 32.8 98.4

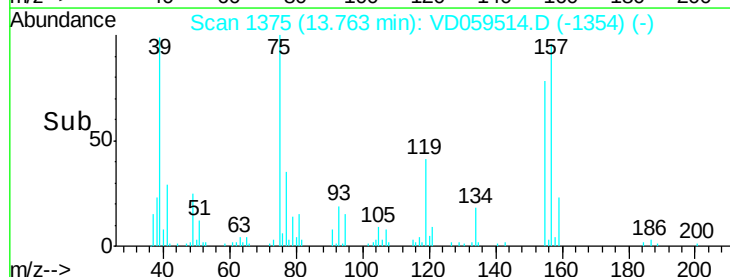
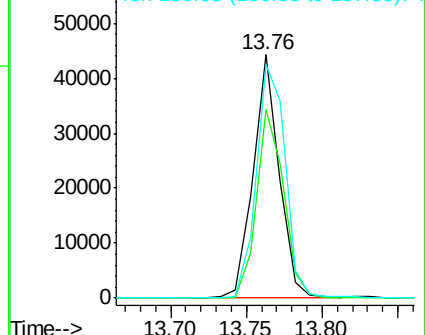
157 95.8 41.5 124.5

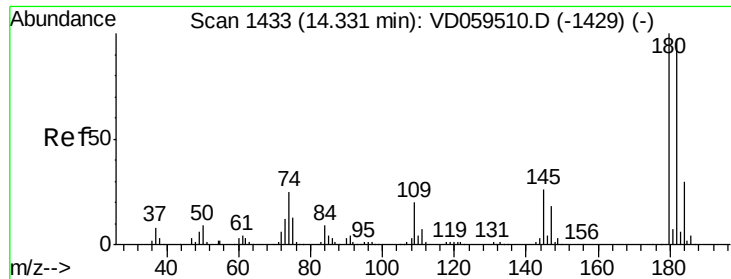


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 154.90 (154.60 to 155.60): V

Ion 156.85 (156.55 to 157.55): V

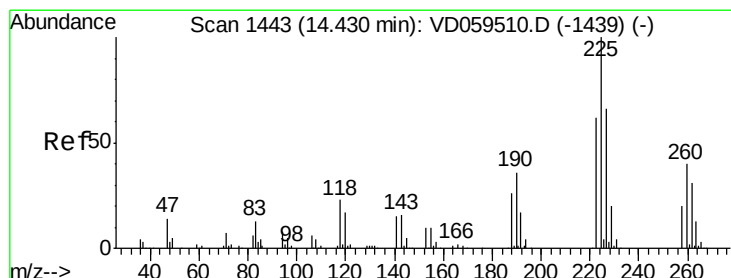
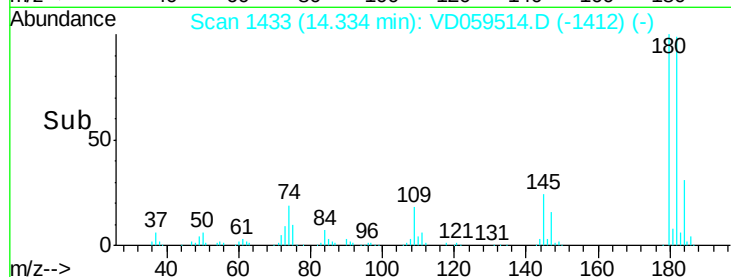
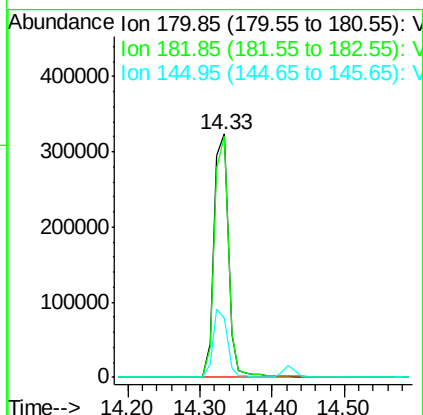
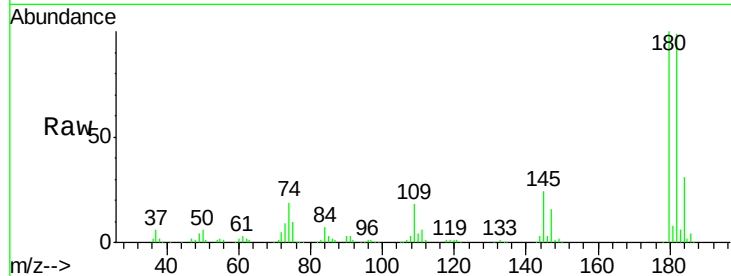




#93
 1,2,4-Trichlorobenzene
 Concen: 47.46 ug/l
 RT: 14.33 min Scan# 1433
 Delta R.T. 0.00 min
 Lab File: VD059514.D
 Acq: 2 Jul 2018 20:55

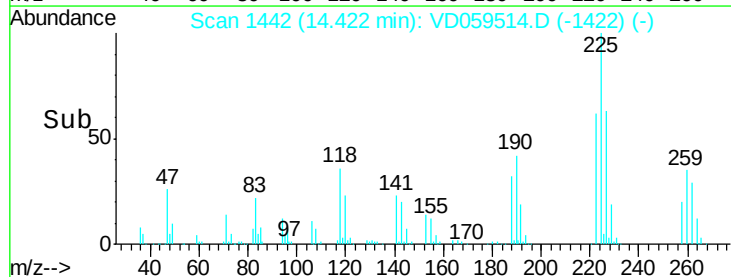
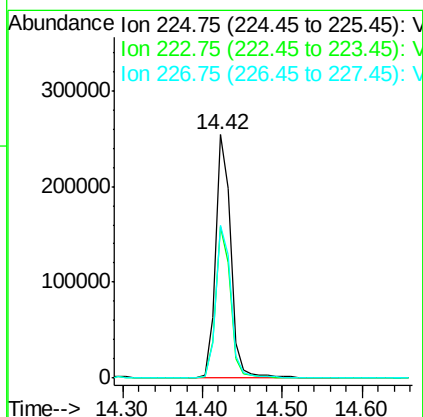
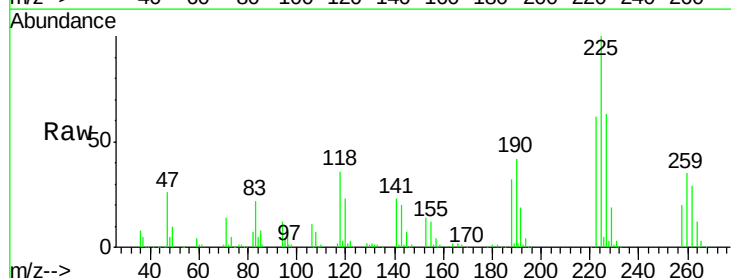
Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD070218

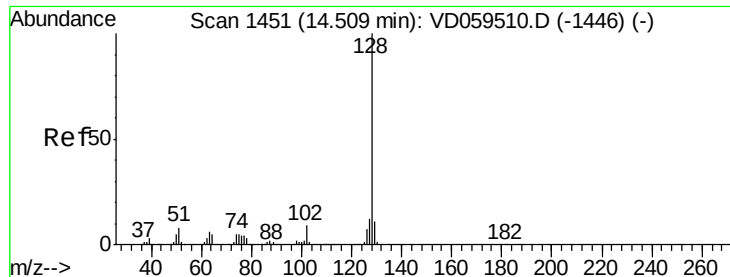
Tot Ion:180 Resp: 450051
 Ion Ratio Lower Upper
 180 100
 182 98.9 48.7 146.1
 145 24.3 13.2 39.6



#94
 Hexachlorobutadiene
 Concen: 47.30 ug/l
 RT: 14.42 min Scan# 1442
 Delta R.T. -0.01 min
 Lab File: VD059514.D
 Acq: 2 Jul 2018 20:55

Tgt Ion:225 Resp: 343113
 Ion Ratio Lower Upper
 225 100
 223 62.4 31.0 93.0
 227 62.9 33.1 99.5





#95

Naphthalene

Concen: 51.03 ug/l

RT: 14.50 min Scan# 1450

Delta R.T. -0.01 min

Lab File: VD059514.D

Acq: 2 Jul 2018 20:55

Instrument :

MSVOA_D

ClientSampleId :

ICVVD070218

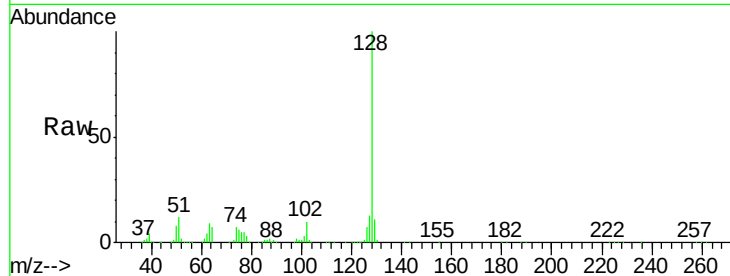
Tot Ion:128 Resp: 719839

Ion Ratio Lower Upper

128 100

127 12.7 9.8 14.8

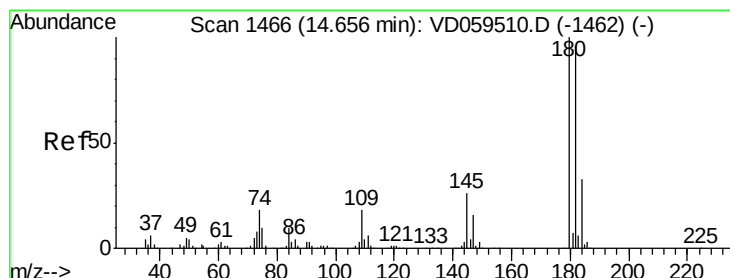
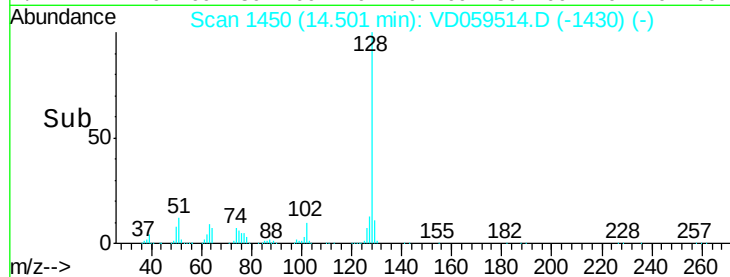
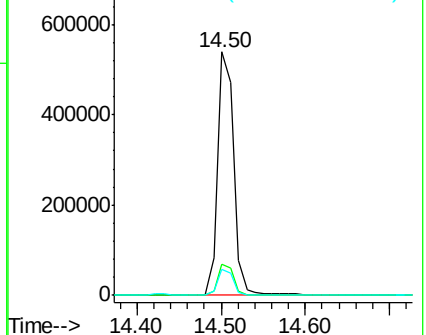
129 10.5 8.6 12.8



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: 49.55 ug/l

RT: 14.65 min Scan# 1465

Delta R.T. -0.01 min

Lab File: VD059514.D

Acq: 2 Jul 2018 20:55

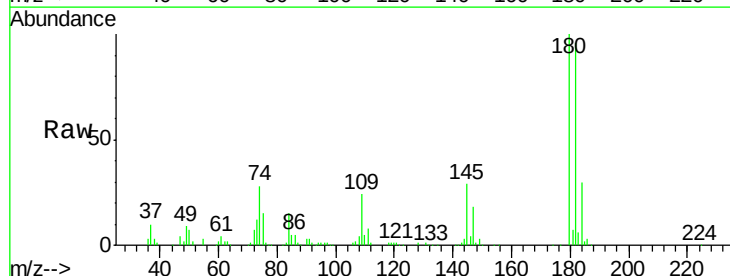
Tgt Ion:180 Resp: 413161

Ion Ratio Lower Upper

180 100

182 96.2 48.1 144.4

145 28.8 13.2 39.6



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

