

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD070218\
 Data File : VD059511.D
 Acq On : 2 Jul 2018 19:01
 Operator : VA/AP
 Sample : VSTDIC075
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC075

Quant Time: Jul 03 00:54:51 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D070218S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 03 00:52:31 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.61	168	609102	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.66	114	876144	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.67	117	714419	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.90	152	352359	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.98	65	587801	88.69	ug/l	0.00
Spiked Amount			Recovery	=	177.38%	
35) Dibromofluoromethane	5.51	113	542886	75.13	ug/l	0.00
Spiked Amount			Recovery	=	150.26%	
50) Toluene-d8	8.68	98	1195916	70.63	ug/l	0.00
Spiked Amount			Recovery	=	141.26%	
62) 4-Bromofluorobenzene	11.92	95	525076	74.73	ug/l	0.00
Spiked Amount			Recovery	=	149.46%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.32	85	581236	95.33	ug/l	99
3) Chloromethane	1.47	50	269852	88.34	ug/l	98
4) Vinyl Chloride	1.53	62	277496	87.25	ug/l	92
5) Bromomethane	1.76	94	95876	78.51	ug/l	87
6) Chloroethane	1.85	64	119189	88.76	ug/l	95
7) Trichlorofluoromethane	2.05	101	426042	91.61	ug/l	97
8) Diethyl Ether	2.31	74	86146	85.09	ug/l	91
9) 1,1,2-Trichlorotrifluoroet	2.52	101	264994	91.96	ug/l	97
10) Methyl Iodide	2.65	142	299834	90.75	ug/l	97
11) Tert butyl alcohol	3.24	59	86927	391.49	ug/l #	93
12) 1,1-Dichloroethene	2.51	96	211248	94.80	ug/l	98
13) Acrolein	2.44	56	41301	226.49	ug/l	96
14) Allyl chloride	2.88	41	459413	91.37	ug/l	95
15) Acrylonitrile	3.32	53	277101	404.81	ug/l	97
16) Acetone	2.59	43	383557	450.29	ug/l	95
17) Carbon Disulfide	2.72	76	706330	101.42	ug/l	99
18) Methyl Acetate	2.90	43	151660	73.68	ug/l #	92
19) Methyl tert-butyl Ether	3.36	73	541453	56.45	ug/l	97
20) Methylene Chloride	3.04	84	216710	79.92	ug/l	98
21) trans-1,2-Dichloroethene	3.34	96	227694	63.92	ug/l	97
22) Diisopropyl ether	4.03	45	1581896	84.57	ug/l	97
23) Vinyl Acetate	3.98	43	4630729	466.23	ug/l	99
24) 1,1-Dichloroethane	3.92	63	882900	82.12	ug/l	99
25) 2-Butanone	4.80	43	792286	447.19	ug/l	99
26) 2,2-Dichloropropane	4.76	77	719332	85.78	ug/l	99
27) cis-1,2-Dichloroethene	4.76	96	466385	73.47	ug/l	96
28) Bromochloromethane	5.11	49	326273	74.68	ug/l	95
29) Tetrahydrofuran	5.16	42	400038	417.27	ug/l	98
30) Chloroform	5.28	83	949445	82.04	ug/l	94
31) Cyclohexane	5.56	56	638218	78.60	ug/l	99
32) 1,1,1-Trichloroethane	5.48	97	762653	82.01	ug/l	95
36) 1,1-Dichloropropene	5.71	75	638395	76.23	ug/l	98
37) Ethyl Acetate	4.89	43	359703	72.20	ug/l	97
38) Carbon Tetrachloride	5.69	117	661492	76.83	ug/l	96

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD070218\
 Data File : VD059511.D
 Acq On : 2 Jul 2018 19:01
 Operator : VA/AP
 Sample : VSTDIC075
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC075

Quant Time: Jul 03 00:54:51 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D070218S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 03 00:52:31 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.25	83	606940	76.28	ug/l	96
40) Benzene	5.98	78	1454215	72.45	ug/l	99
41) Methacrylonitrile	5.10	41	184588	76.13	ug/l	97
42) 1,2-Dichloroethane	6.09	62	707117	80.29	ug/l	97
43) Isopropyl Acetate	7.59	43	513995	81.06	ug/l	# 100
44) Trichloroethene	6.95	130	456946	70.20	ug/l	92
45) 1,2-Dichloropropane	7.32	63	421222	76.17	ug/l	96
46) Dibromomethane	7.43	93	295055	75.35	ug/l	99
47) Bromodichloromethane	7.71	83	704948	79.99	ug/l	97
48) Methyl methacrylate	7.48	41	318049	81.60	ug/l	92
49) 1,4-Dioxane	7.47	88	60426	1558.71	ug/l	# 87
51) 4-Methyl-2-Pentanone	8.58	43	1652833	393.00	ug/l	100
52) Toluene	8.78	92	811984	68.62	ug/l	95
53) t-1,3-Dichloropropene	9.16	75	621238	82.70	ug/l	99
54) cis-1,3-Dichloropropene	8.33	75	688057	79.05	ug/l	96
55) 1,1,2-Trichloroethane	9.43	97	299530	70.63	ug/l	99
56) Ethyl methacrylate	9.29	69	394674	80.06	ug/l	92
57) 1,3-Dichloropropane	9.64	76	557839	78.98	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.17	63	905549	357.29	ug/l	93
59) 2-Hexanone	9.76	43	1167716	392.25	ug/l	100
60) Dibromochloromethane	9.94	129	449319	75.04	ug/l	92
61) 1,2-Dibromoethane	10.08	107	347271	72.85	ug/l	96
64) Tetrachloroethene	9.49	164	428659	67.11	ug/l	98
65) Chlorobenzene	10.71	112	904242	67.32	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.84	131	398229	78.43	ug/l	97
67) Ethyl Benzene	10.85	91	1638868	72.75	ug/l	98
68) m/p-Xylenes	11.00	106	1017103	135.19	ug/l	99
69) o-Xylene	11.39	106	504814	68.20	ug/l	99
70) Styrene	11.42	104	827911	65.81	ug/l	97
71) Bromoform	11.58	173	323436	76.57	ug/l	95
73) Isopropylbenzene	11.76	105	1441906	70.13	ug/l	98
74) N-amyl acetate	11.63	43	664816	83.17	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.07	83	367035	74.64	ug/l	97
76) 1,2,3-Trichloropropane	12.10	75	406413	79.74	ug/l	97
77) Bromobenzene	12.03	156	454116	70.48	ug/l	90
78) n-propylbenzene	12.14	91	1873484	71.03	ug/l	98
79) 2-Chlorotoluene	12.20	91	1155678	75.09	ug/l	97
80) 1,3,5-Trimethylbenzene	12.31	105	1140079	69.13	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.83	75	109033	91.92	ug/l	95
82) 4-Chlorotoluene	12.31	91	1222312	69.41	ug/l	96
83) tert-Butylbenzene	12.57	119	1323569	74.60	ug/l	96
84) 1,2,4-Trimethylbenzene	12.62	105	1230280	70.77	ug/l	99
85) sec-Butylbenzene	12.75	105	1554969	73.65	ug/l	100
86) p-Isopropyltoluene	12.87	119	1226271	70.53	ug/l	99
87) 1,3-Dichlorobenzene	12.83	146	780921	72.77	ug/l	98
88) 1,4-Dichlorobenzene	12.91	146	772606	73.15	ug/l	99
89) n-Butylbenzene	13.19	91	1294889	74.69	ug/l	98
90) Hexachloroethane	13.39	117	359077	82.26	ug/l	71
91) 1,2-Dichlorobenzene	13.18	146	624821	68.68	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.77	75	75556	93.55	ug/l	59

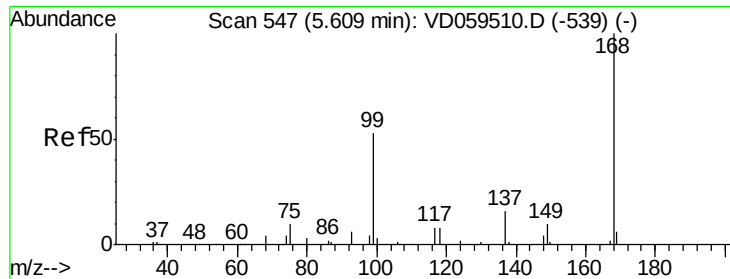
Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD070218\
Data File : VD059511.D
Acq On : 2 Jul 2018 19:01
Operator : VA/AP
Sample : VSTDICC075
Misc : 5.00g/5ml/MSVOA D/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VSTDICC075

Quant Time: Jul 03 00:54:51 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D070218S.M
Quant Title : SW846 8260
QLast Update : Tue Jul 03 00:52:31 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.33	180	591029	71.50	ug/l	99
94) Hexachlorobutadiene	14.43	225	475693	76.40	ug/l	99
95) Naphthalene	14.51	128	924302	78.39	ug/l	99
96) 1,2,3-Trichlorobenzene	14.66	180	530335	71.22	ug/l	97

(#) = 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: VD059511.D

Acq: 2 Jul 2018 19:01

Instrument :

MSVOA_D

ClientSampleId :

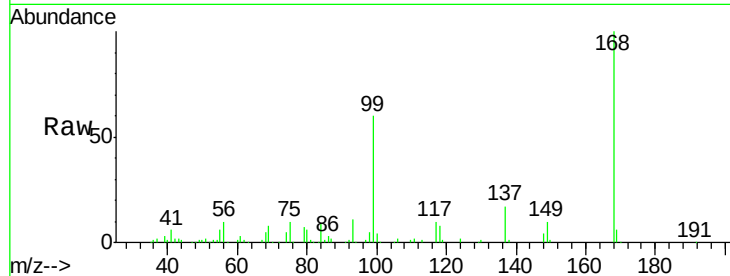
VSTDIC075

Tot Ion:168 Resp: 609102

Ion Ratio Lower Upper

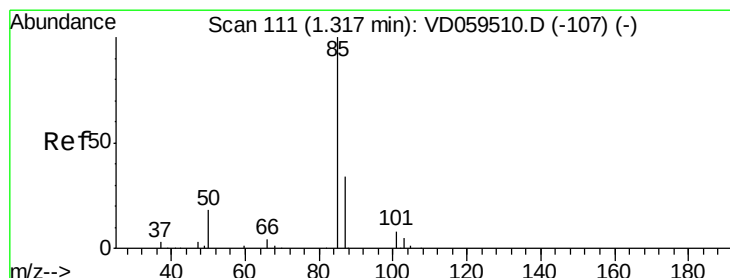
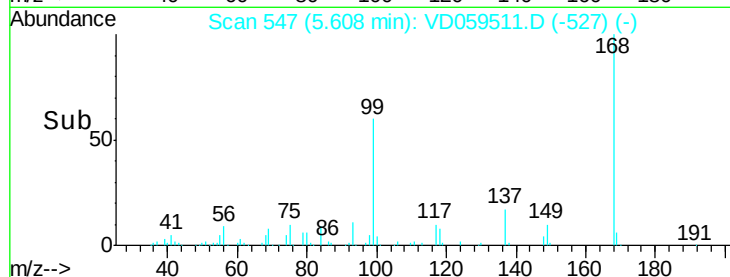
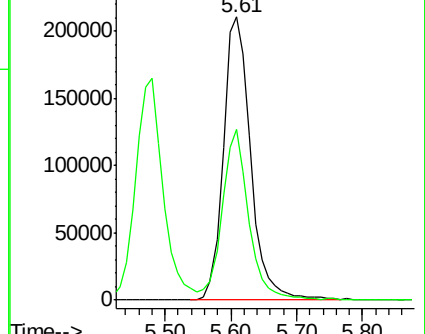
168 100

99 60.1 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: 95.33 ug/l

RT: 1.32 min Scan# 111

Delta R.T. -0.00 min

Lab File: VD059511.D

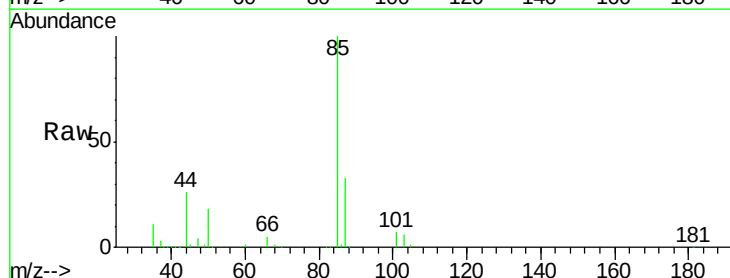
Acq: 2 Jul 2018 19:01

Tgt Ion: 85 Resp: 581236

Ion Ratio Lower Upper

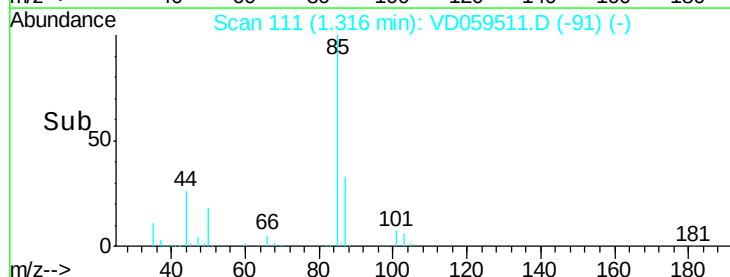
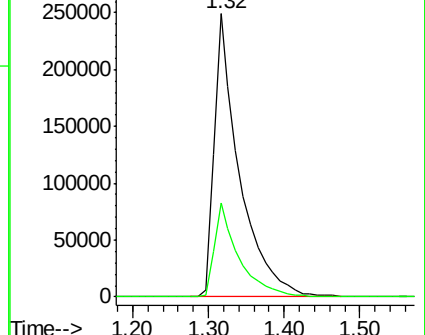
85 100

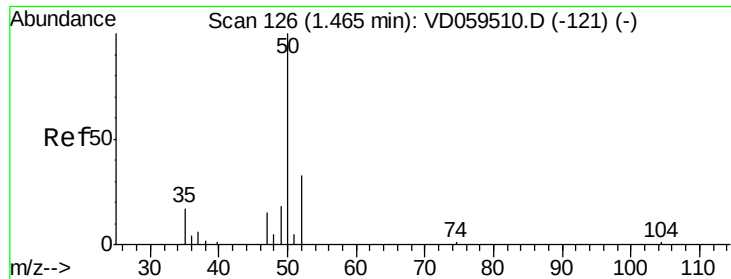
87 33.0 16.8 50.4



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 88.34 ug/l

RT: 1.47 min Scan# 127

Delta R.T. 0.01 min

Lab File: VD059511.D

Acq: 2 Jul 2018 19:01

Instrument :

MSVOA_D

ClientSampleId :

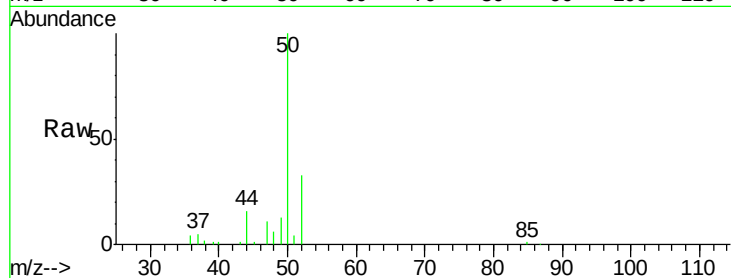
VSTDIC075

Tot Ion: 50 Resp: 269852

Ion Ratio Lower Upper

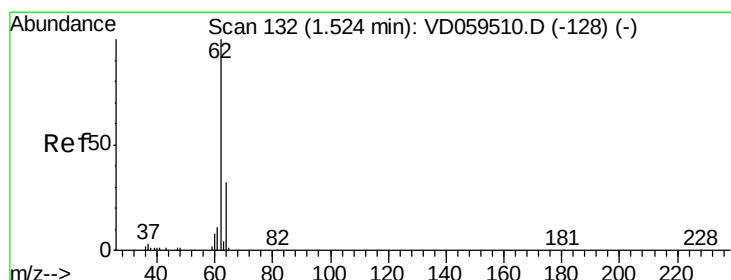
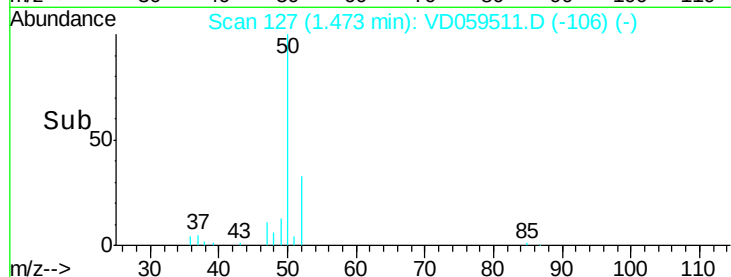
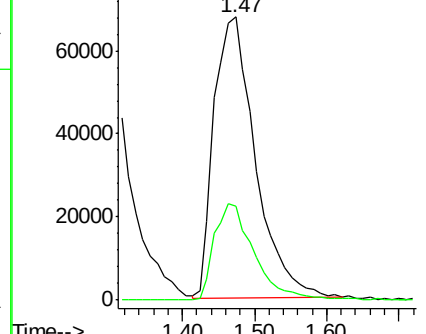
50 100

52 33.1 25.8 38.6



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 87.25 ug/l

RT: 1.53 min Scan# 133

Delta R.T. 0.01 min

Lab File: VD059511.D

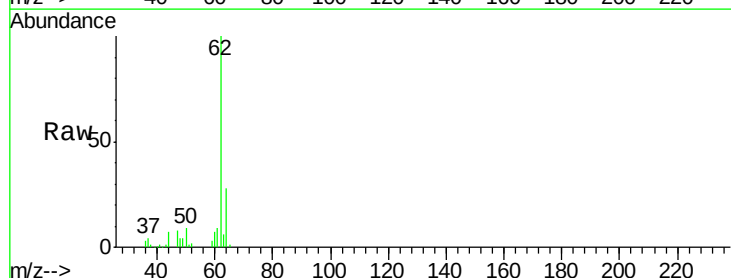
Acq: 2 Jul 2018 19:01

Tgt Ion: 62 Resp: 277496

Ion Ratio Lower Upper

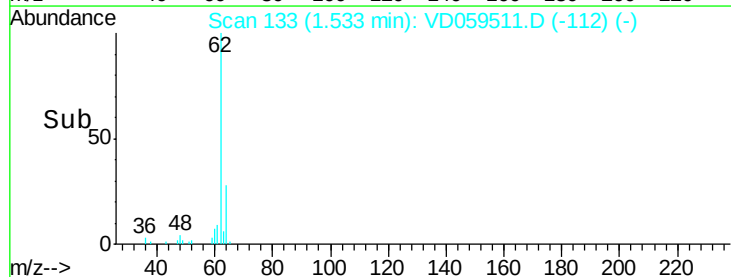
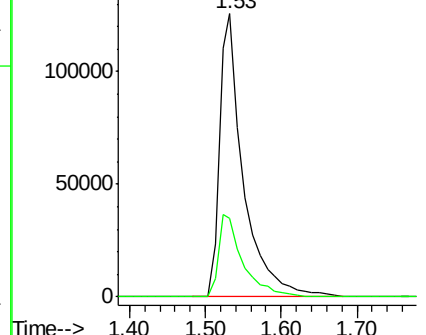
62 100

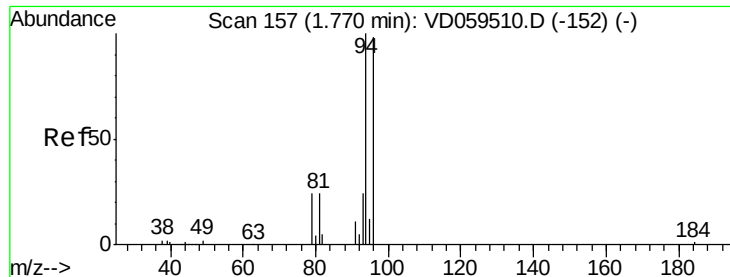
64 27.5 25.4 38.2



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 78.51 ug/l

RT: 1.76 min Scan# 156

Delta R.T. -0.01 min

Lab File: VD059511.D

Acq: 2 Jul 2018 19:01

Instrument :

MSVOA_D

ClientSampleId :

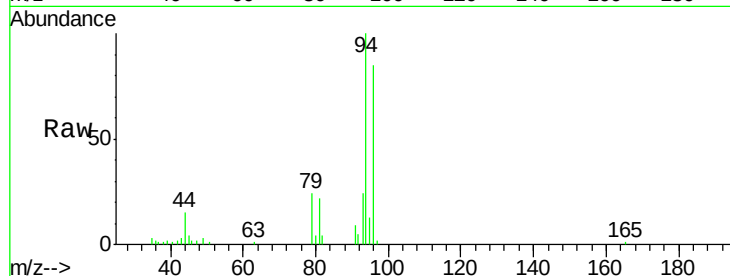
VSTDIC075

Tot Ion: 94 Resp: 95876

Ion Ratio Lower Upper

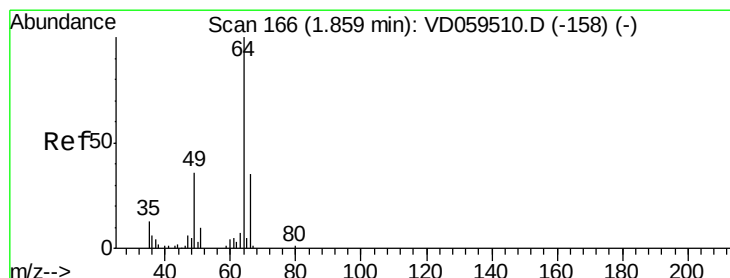
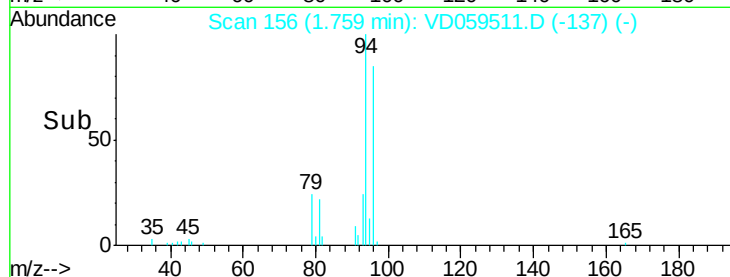
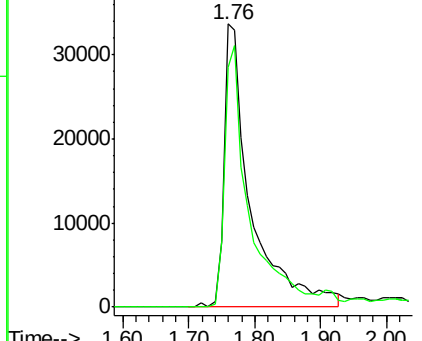
94 100

96 84.8 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: 88.76 ug/l

RT: 1.85 min Scan# 165

Delta R.T. -0.01 min

Lab File: VD059511.D

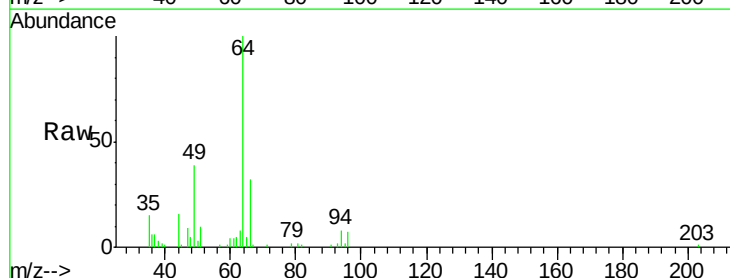
Acq: 2 Jul 2018 19:01

Tgt Ion: 64 Resp: 119189

Ion Ratio Lower Upper

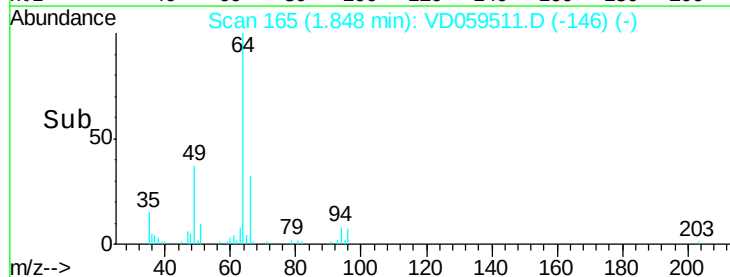
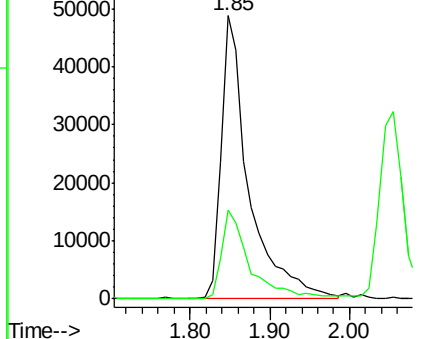
64 100

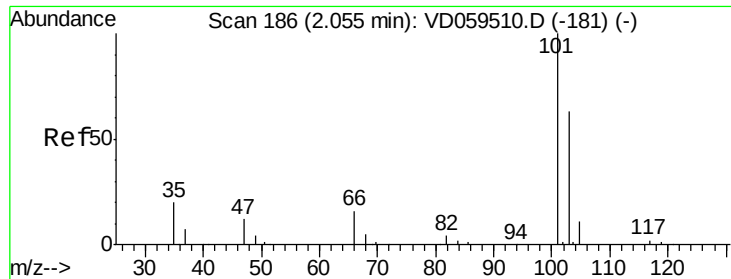
66 31.6 27.6 41.4



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC



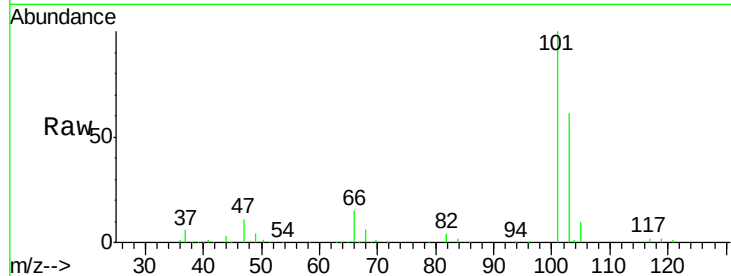


#7

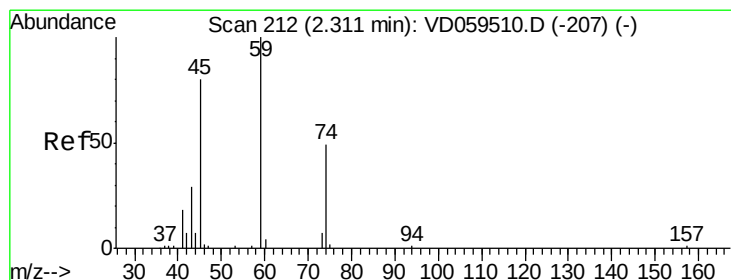
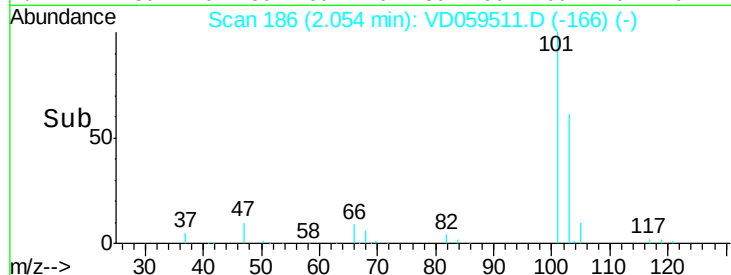
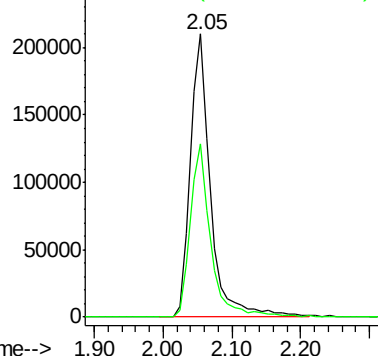
Trichlorofluoromethane
 Concen: 91.61 ug/l
 RT: 2.05 min Scan# 186
 Delta R.T. -0.00 min
 Lab File: VD059511.D
 Acq: 2 Jul 2018 19:01

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC075

Tot Ion:101 Resp: 426042
 Ion Ratio Lower Upper
 101 100
 103 61.2 50.6 76.0



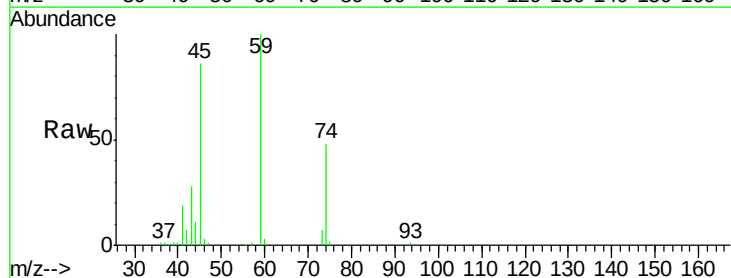
Abundance Ion 100.85 (100.55 to 101.55): V
 Ion 102.85 (102.55 to 103.55): V



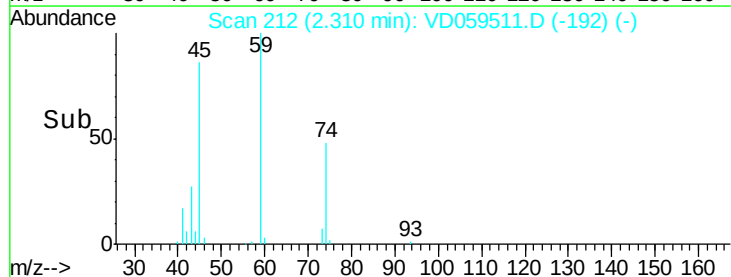
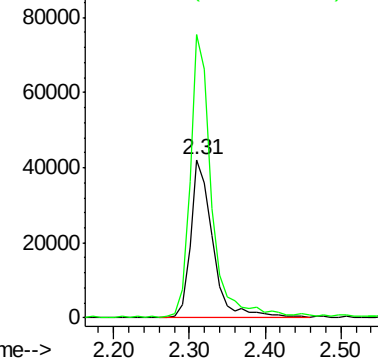
#8

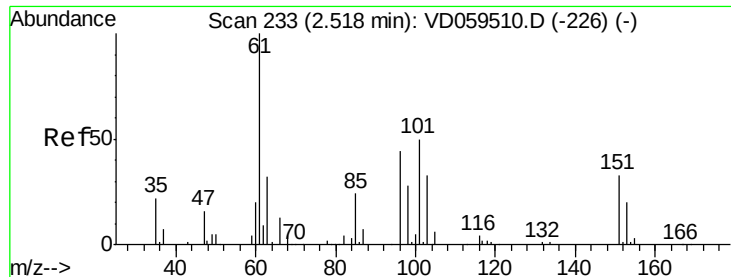
Diethyl Ether
 Concen: 85.09 ug/l
 RT: 2.31 min Scan# 212
 Delta R.T. -0.00 min
 Lab File: VD059511.D
 Acq: 2 Jul 2018 19:01

Tgt Ion: 74 Resp: 86146
 Ion Ratio Lower Upper
 74 100
 45 178.8 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: 91.96 ug/l

RT: 2.52 min Scan# 233

Delta R.T. -0.00 min

Lab File: VD059511.D

Acq: 2 Jul 2018 19:01

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC075

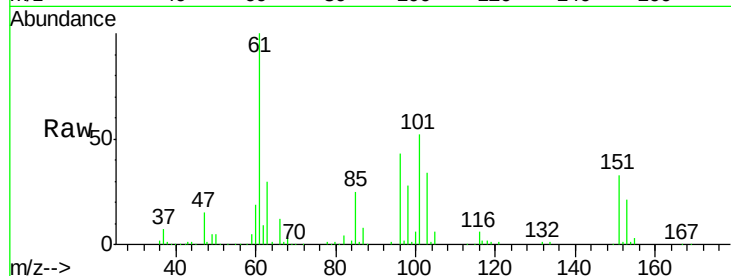
Tot Ion:101 Resp: 264994

Ion Ratio Lower Upper

101 100

85 47.1 38.8 58.2

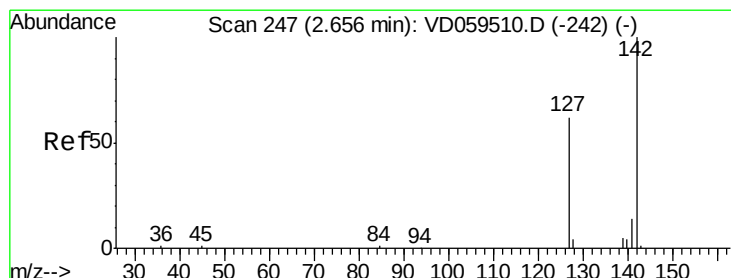
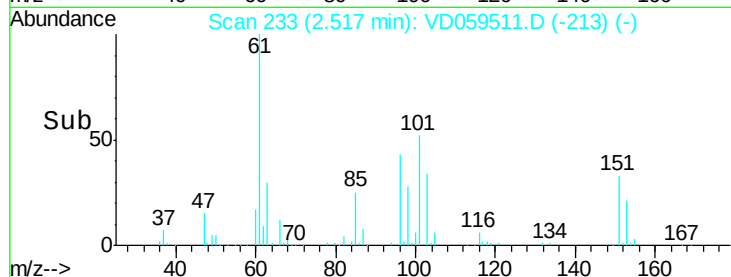
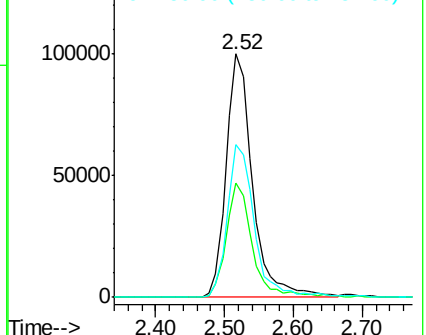
151 63.0 52.6 79.0



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: 90.75 ug/l

RT: 2.65 min Scan# 247

Delta R.T. -0.00 min

Lab File: VD059511.D

Acq: 2 Jul 2018 19:01

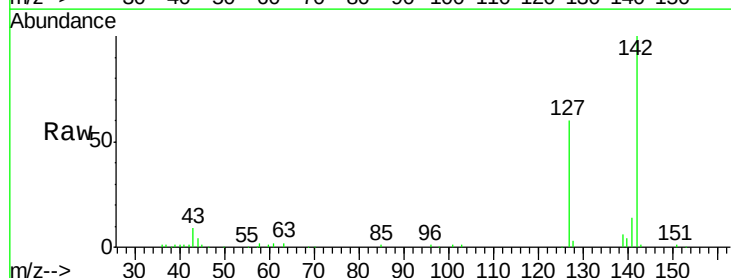
Tgt Ion:142 Resp: 299834

Ion Ratio Lower Upper

142 100

127 59.9 49.8 74.8

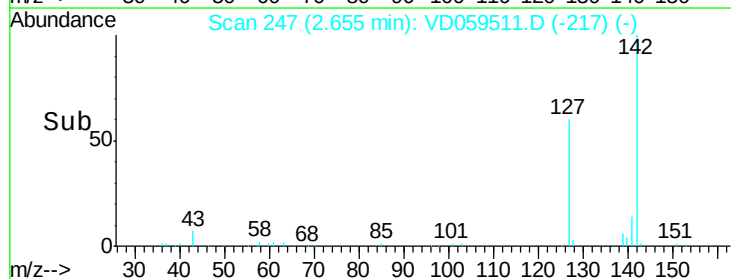
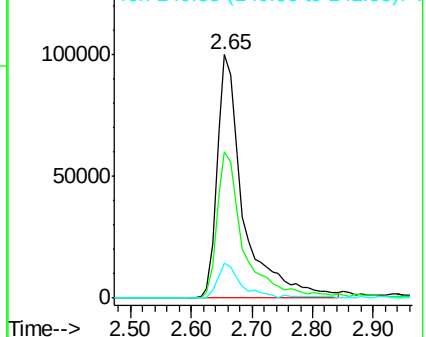
141 14.4 11.1 16.7

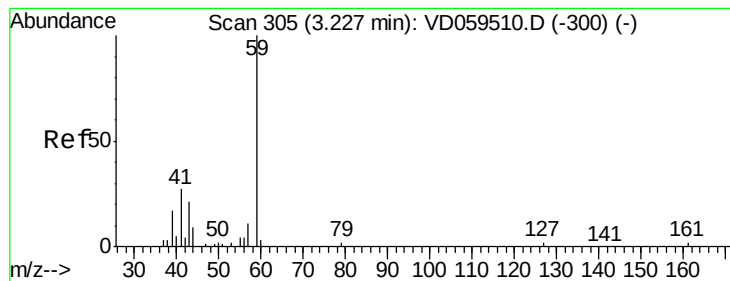


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



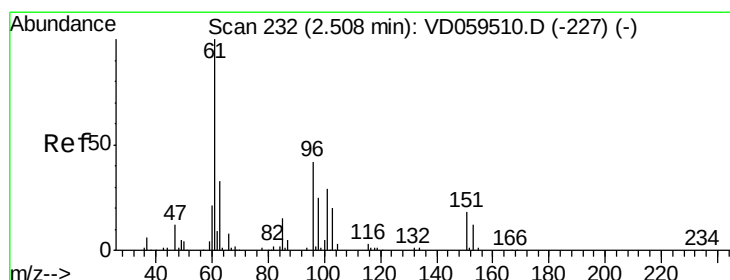
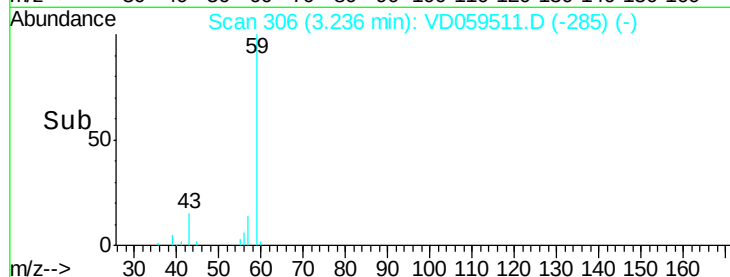
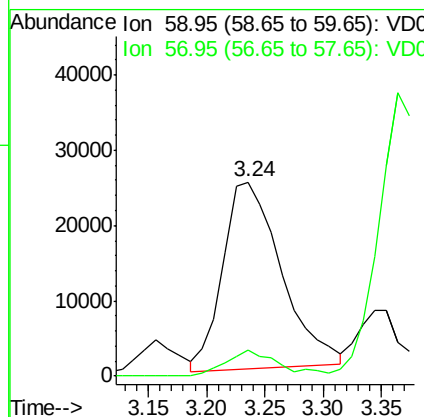
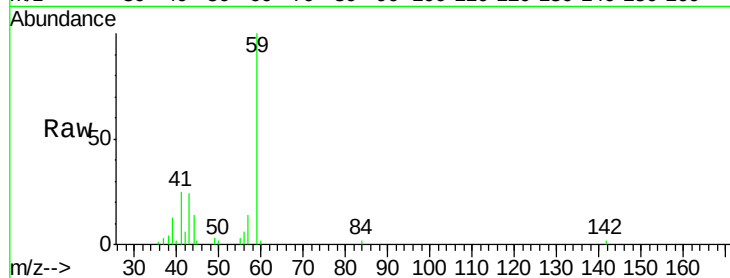


#11

Tert butyl alcohol
Concen: 391.49 ug/l
RT: 3.24 min Scan# 306
Delta R.T. 0.01 min
Lab File: VD059511.D
Acq: 2 Jul 2018 19:01

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

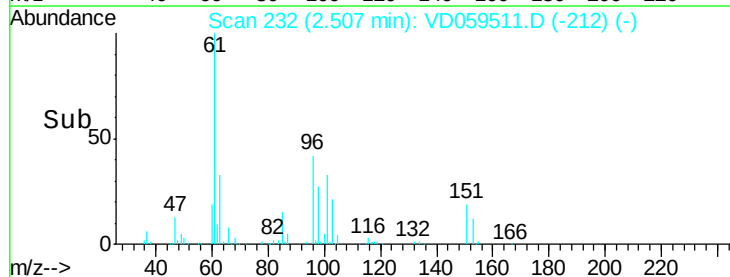
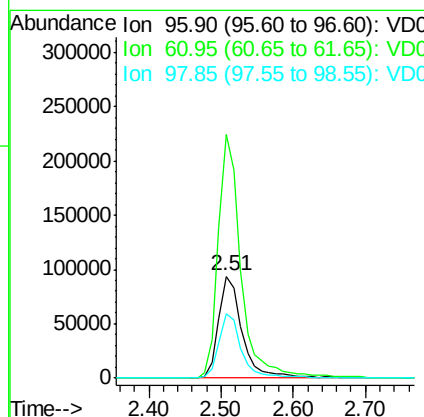
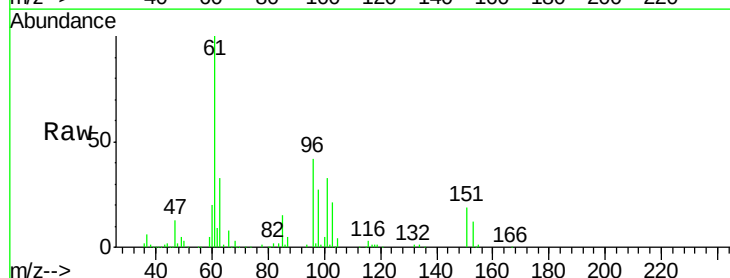
Tot Ion: 59 Resp: 86927
Ion Ratio Lower Upper
59 100
57 13.5 8.6 12.8#

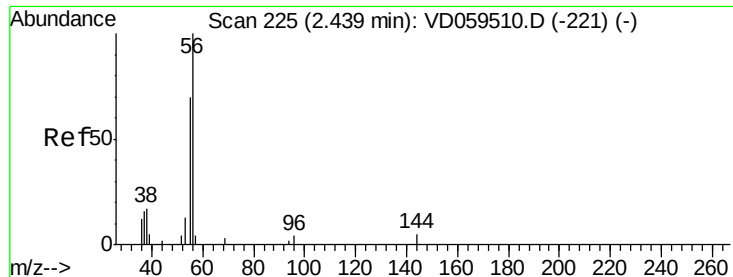


#12

1,1-Dichloroethene
Concen: 94.80 ug/l
RT: 2.51 min Scan# 232
Delta R.T. -0.00 min
Lab File: VD059511.D
Acq: 2 Jul 2018 19:01

Tgt Ion: 96 Resp: 211248
Ion Ratio Lower Upper
96 100
61 239.1 189.4 284.0
98 63.5 47.9 71.9





#13

Acrolein

Concen: 226.49 ug/l

RT: 2.44 min Scan# 225

Delta R.T. -0.00 min

Lab File: VD059511.D

Acq: 2 Jul 2018 19:01

Instrument :

MSVOA_D

ClientSampleId :

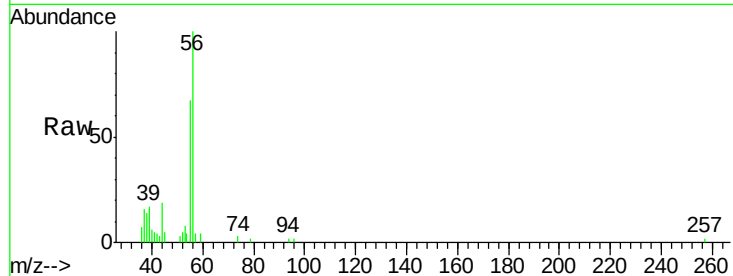
VSTDIC075

Tot Ion: 56 Resp: 41301

Ion Ratio Lower Upper

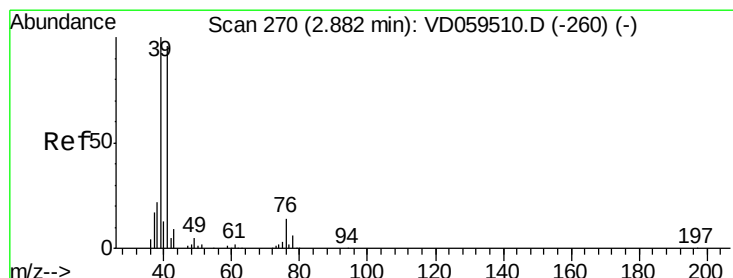
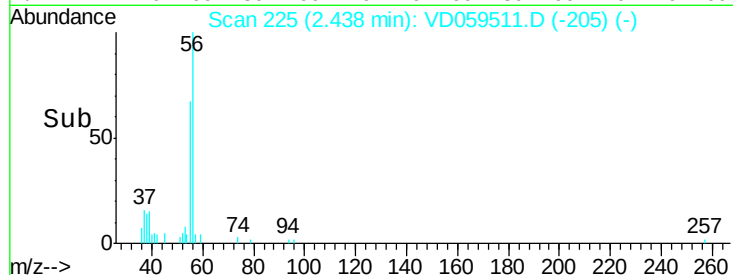
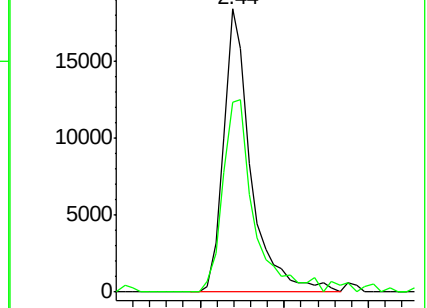
56 100

55 66.9 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: 91.37 ug/l

RT: 2.88 min Scan# 270

Delta R.T. -0.00 min

Lab File: VD059511.D

Acq: 2 Jul 2018 19:01

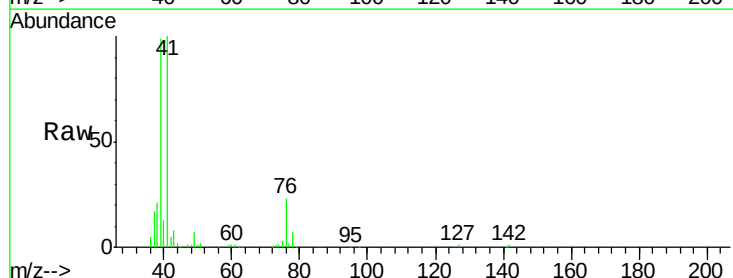
Tgt Ion: 41 Resp: 459413

Ion Ratio Lower Upper

41 100

39 98.9 83.8 125.8

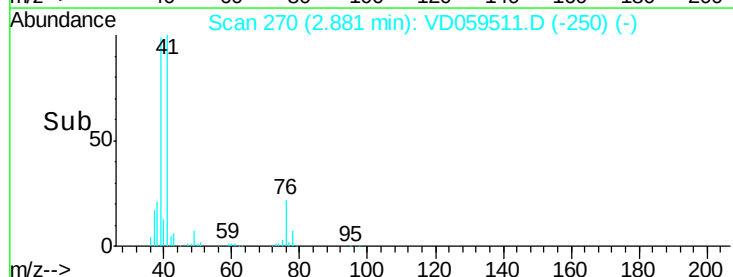
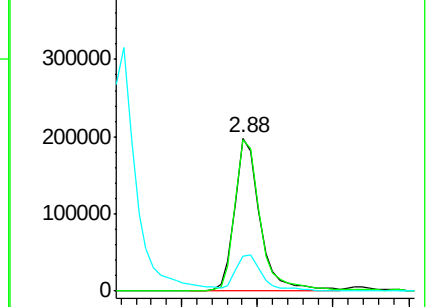
76 22.5 18.4 27.6

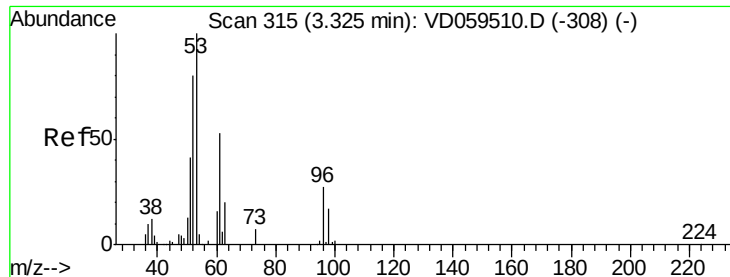


Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC





#15

Acrylonitrile

Concen: 404.81 ug/l

RT: 3.32 min Scan# 315

Delta R.T. -0.00 min

Lab File: VD059511.D

Acq: 2 Jul 2018 19:01

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC075

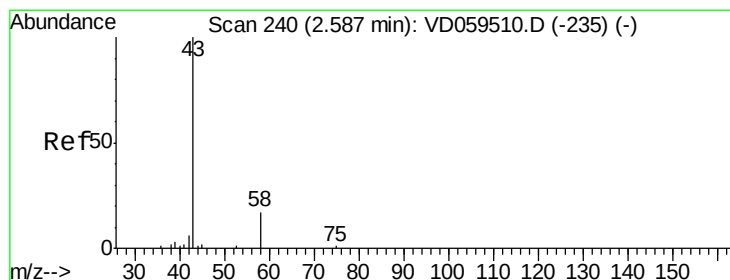
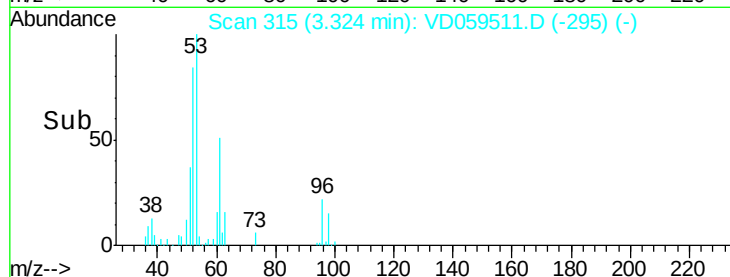
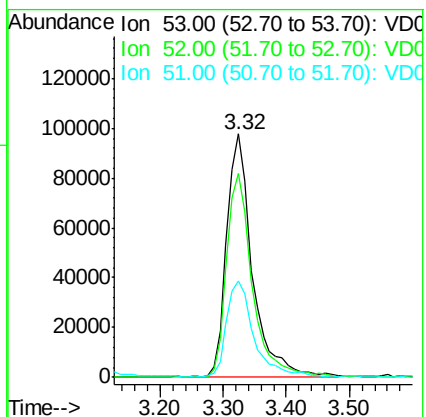
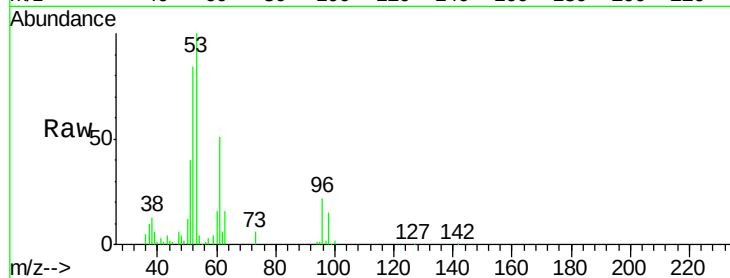
Tot Ion: 53 Resp: 277101

Ion Ratio Lower Upper

53 100

52 83.6 64.3 96.5

51 39.8 33.0 49.4



#16

Acetone

Concen: 450.29 ug/l

RT: 2.59 min Scan# 240

Delta R.T. -0.00 min

Lab File: VD059511.D

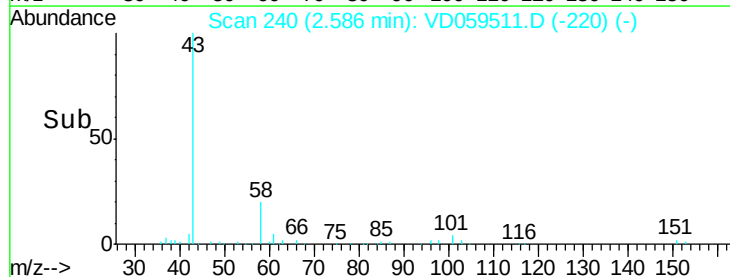
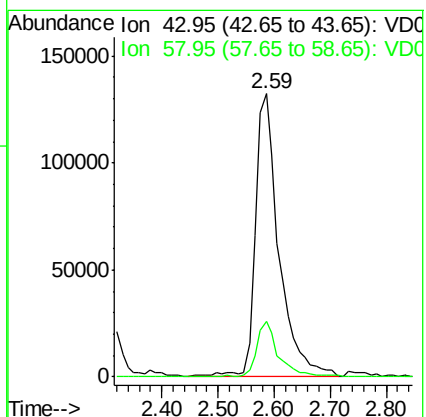
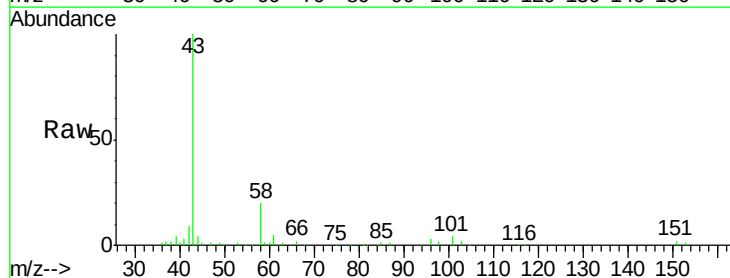
Acq: 2 Jul 2018 19:01

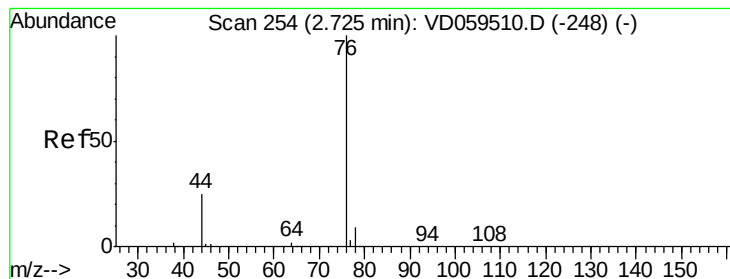
Tgt Ion: 43 Resp: 383557

Ion Ratio Lower Upper

43 100

58 19.6 13.8 20.8





#17

Carbon Disulfide

Concen: 101.42 ug/l

RT: 2.72 min Scan# 254

Delta R.T. -0.00 min

Lab File: VD059511.D

Acq: 2 Jul 2018 19:01

Instrument :

MSVOA_D

ClientSampleId :

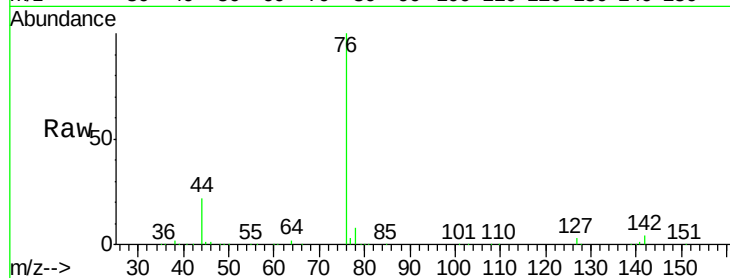
VSTDIC075

Tot Ion: 76 Resp: 706330

Ion Ratio Lower Upper

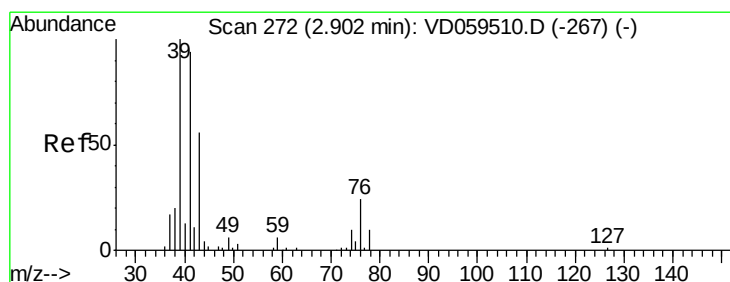
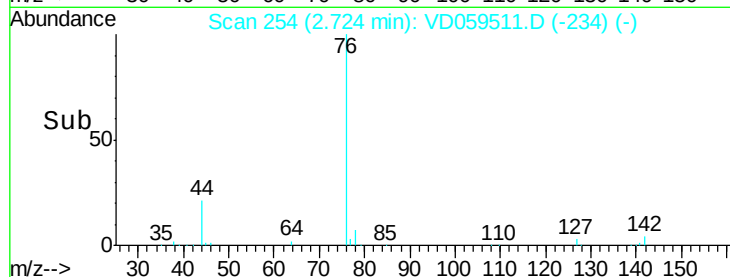
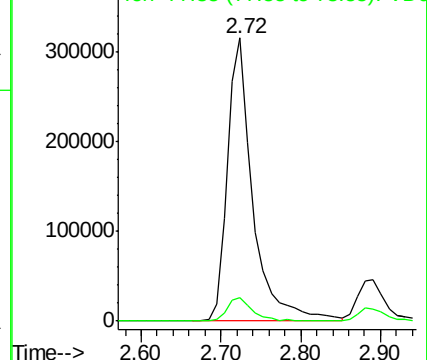
76 100

78 8.2 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: 73.68 ug/l

RT: 2.90 min Scan# 272

Delta R.T. -0.00 min

Lab File: VD059511.D

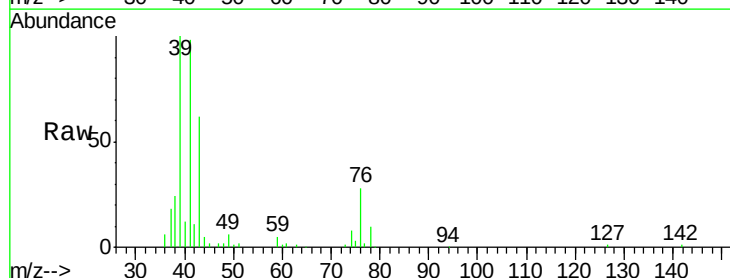
Acq: 2 Jul 2018 19:01

Tgt Ion: 43 Resp: 151660

Ion Ratio Lower Upper

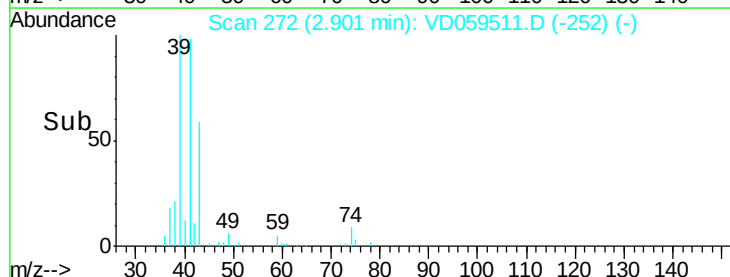
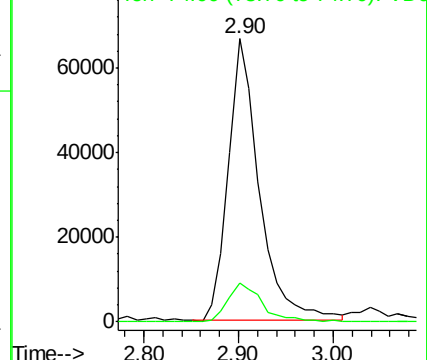
43 100

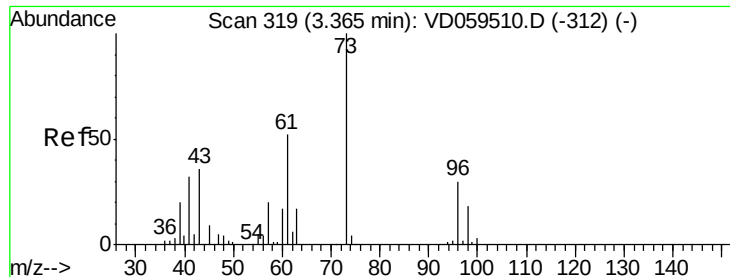
74 13.7 13.8 20.8#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC

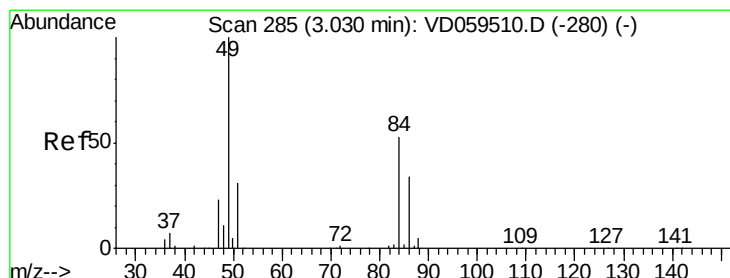
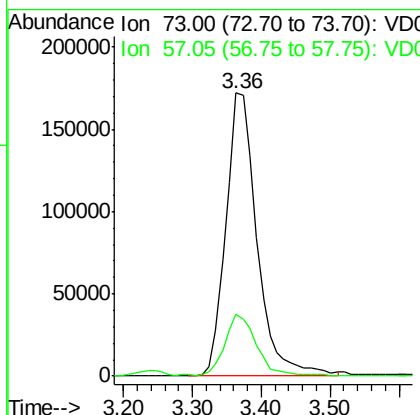
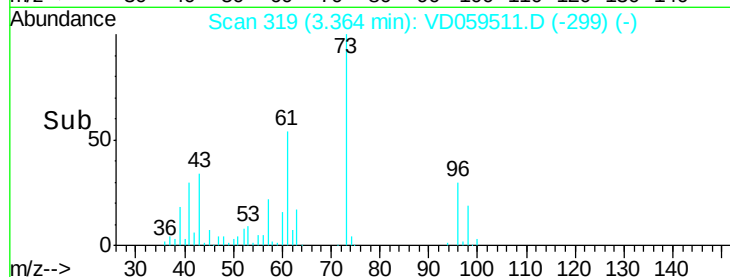
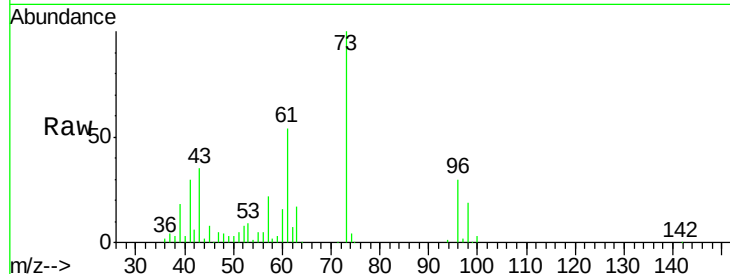




#19
Methyl tert-butyl Ether
Concen: 56.45 ug/l
RT: 3.36 min Scan# 319
Delta R.T. -0.00 min
Lab File: VD059511.D
Acq: 2 Jul 2018 19:01

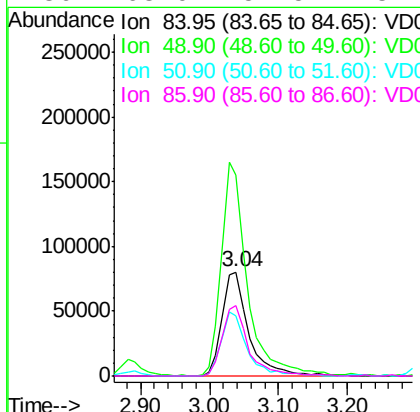
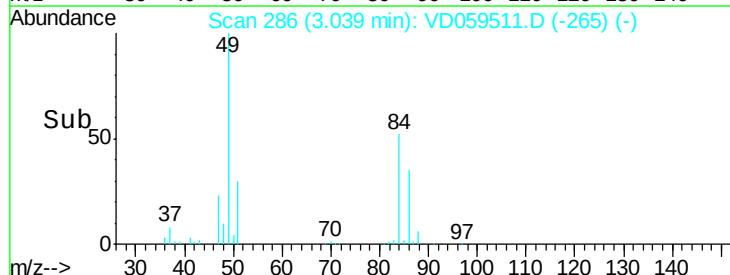
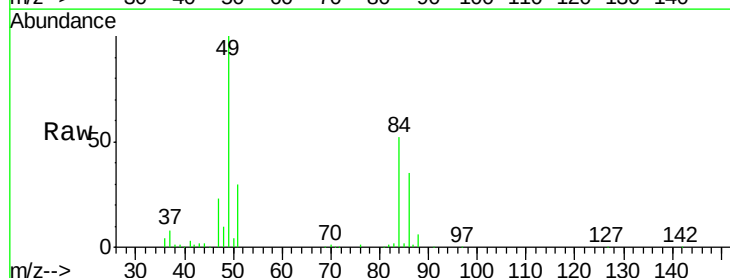
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

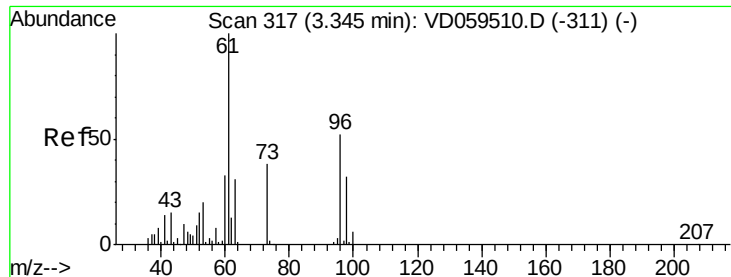
Tot Ion: 73 Resp: 541453
Ion Ratio Lower Upper
73 100
57 21.9 16.5 24.7



#20
Methylene Chloride
Concen: 79.92 ug/l
RT: 3.04 min Scan# 286
Delta R.T. 0.01 min
Lab File: VD059511.D
Acq: 2 Jul 2018 19:01

Tgt Ion: 84 Resp: 216710
Ion Ratio Lower Upper
84 100
49 194.0 152.2 228.2
51 57.9 46.5 69.7
86 68.0 52.5 78.7





#21

trans-1,2-Dichloroethene

Concen: 63.92 ug/l

RT: 3.34 min Scan# 317

Delta R.T. -0.00 min

Lab File: VD059511.D

Acq: 2 Jul 2018 19:01

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC075

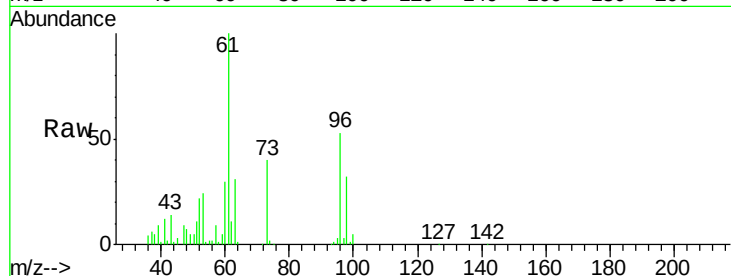
Tot Ion: 96 Resp: 227694

Ion Ratio Lower Upper

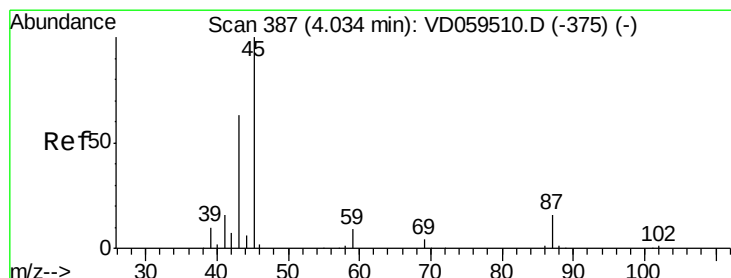
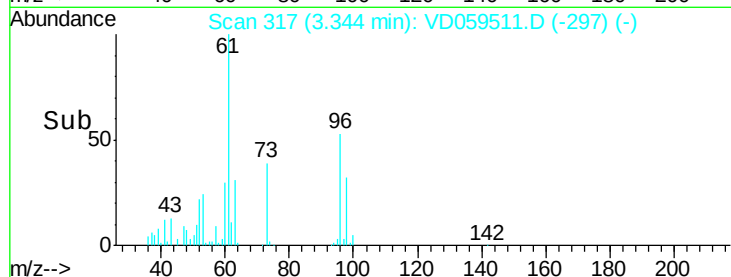
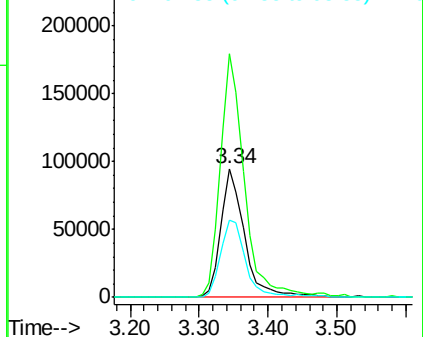
96 100

61 189.2 154.7 232.1

98 60.3 49.9 74.9



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



#22

Diisopropyl ether

Concen: 84.57 ug/l

RT: 4.03 min Scan# 387

Delta R.T. -0.00 min

Lab File: VD059511.D

Acq: 2 Jul 2018 19:01

Tgt Ion: 45 Resp: 1581896

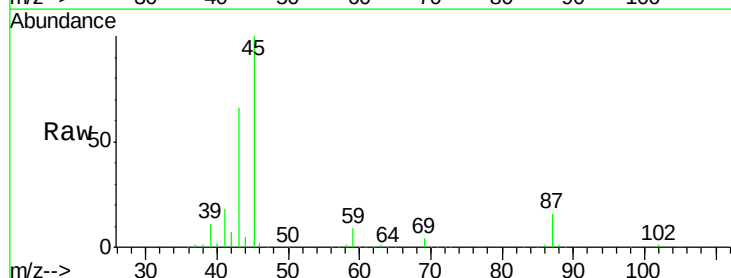
Ion Ratio Lower Upper

45 100

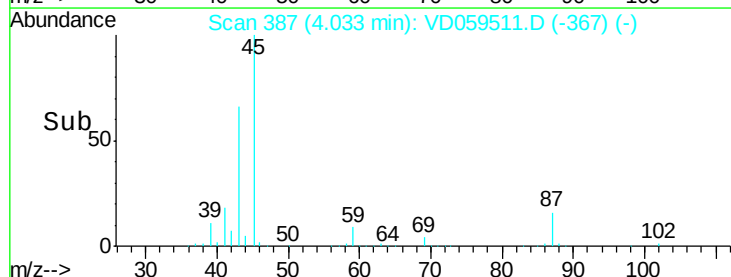
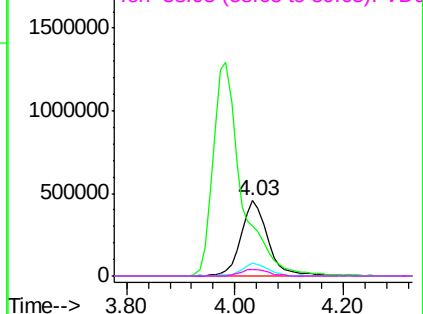
43 66.3 50.7 76.1

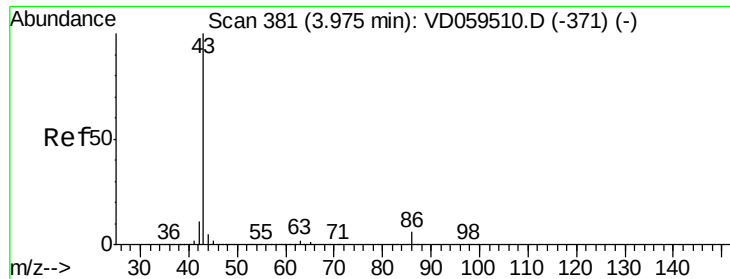
87 16.3 13.4 20.0

59 8.7 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: 466.23 ug/l

RT: 3.98 min Scan# 382

Delta R.T. 0.01 min

Lab File: VD059511.D

Acq: 2 Jul 2018 19:01

Instrument :

MSVOA_D

ClientSampleID :

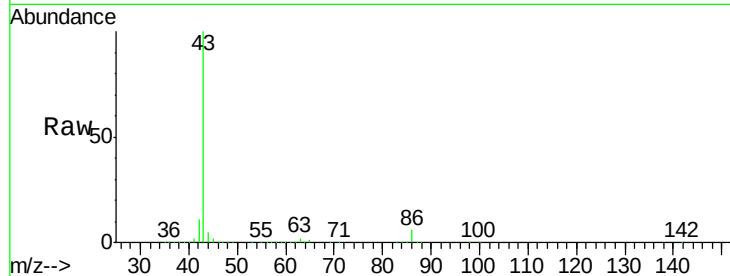
VSTDIC075

Tot Ion: 43 Resp: 4630729

Ion Ratio Lower Upper

43 100

86 6.0 5.0 7.4



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC

1500000

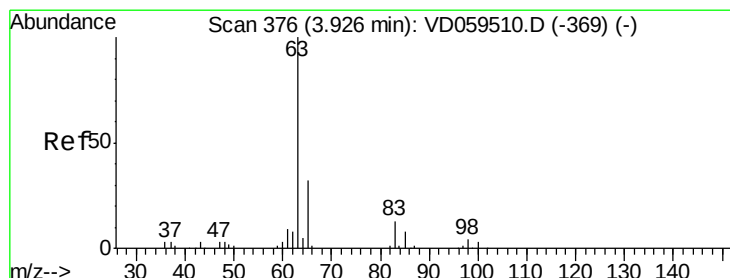
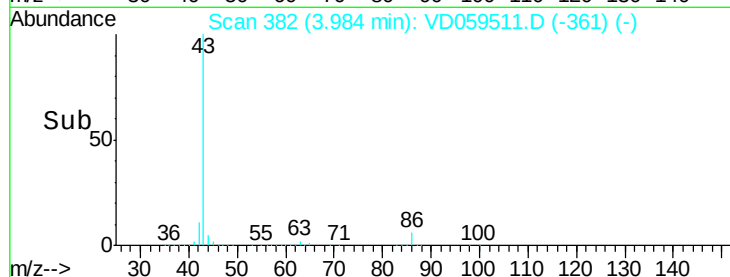
1000000

500000

0

3.98

Time-->



#24

1,1-Dichloroethane

Concen: 82.12 ug/l

RT: 3.92 min Scan# 376

Delta R.T. -0.00 min

Lab File: VD059511.D

Acq: 2 Jul 2018 19:01

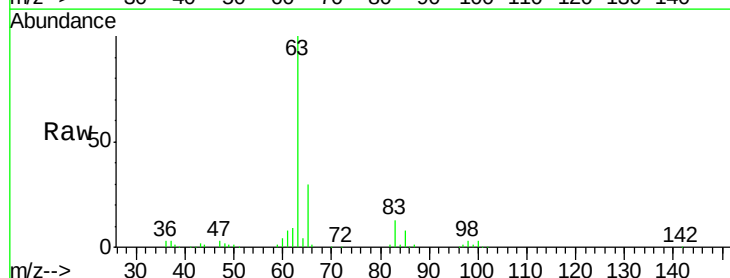
Tgt Ion: 63 Resp: 882900

Ion Ratio Lower Upper

63 100

98 3.5 2.0 5.8

100 2.8 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

400000

300000

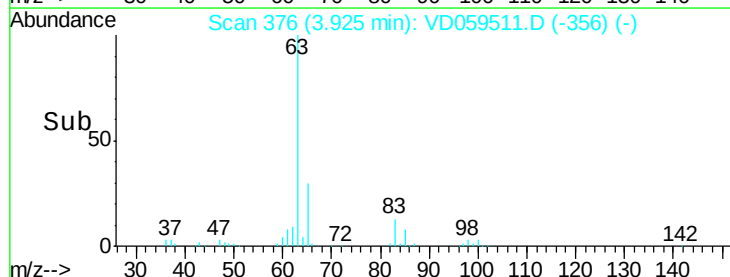
200000

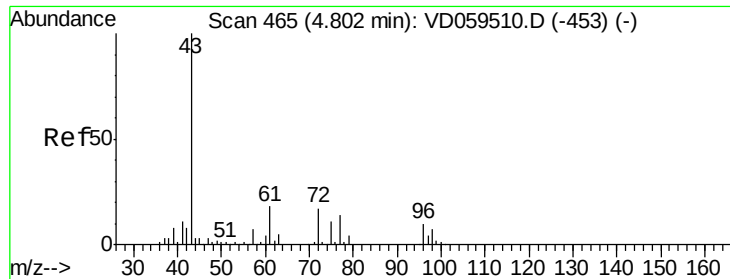
100000

0

3.92

Time-->





#25

2-Butanone

Concen: 447.19 ug/l

RT: 4.80 min Scan# 465

Delta R.T. -0.00 min

Lab File: VD059511.D

Acq: 2 Jul 2018 19:01

Instrument :

MSVOA_D

ClientSampleId :

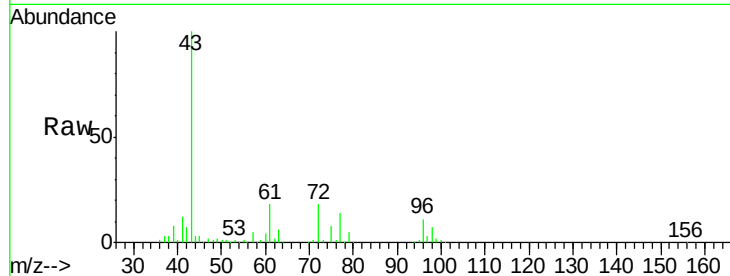
VSTDIC075

Tot Ion: 43 Resp: 792286

Ion Ratio Lower Upper

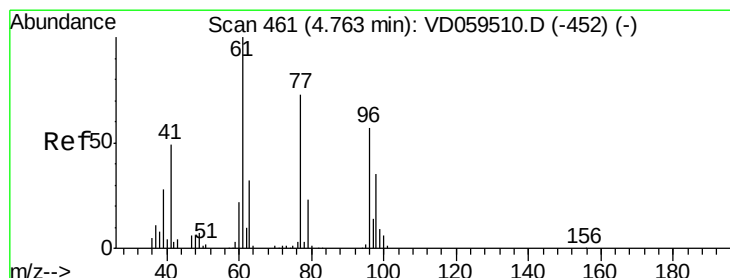
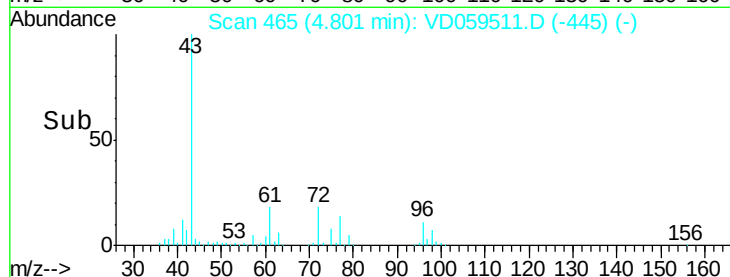
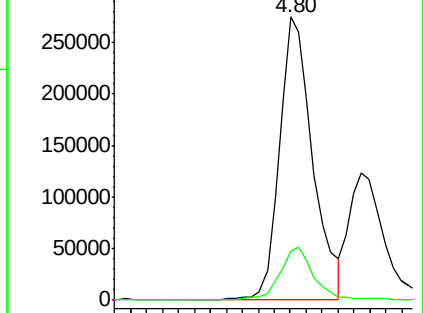
43 100

72 17.5 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: 85.78 ug/l

RT: 4.76 min Scan# 461

Delta R.T. -0.00 min

Lab File: VD059511.D

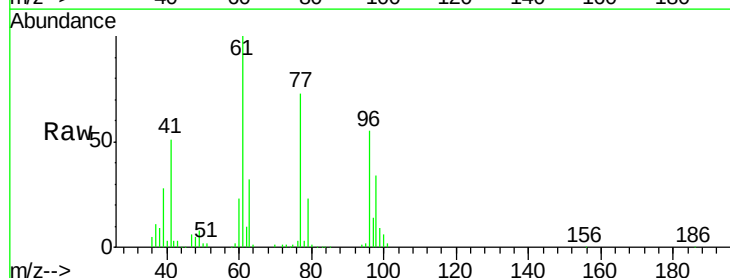
Acq: 2 Jul 2018 19:01

Tgt Ion: 77 Resp: 719332

Ion Ratio Lower Upper

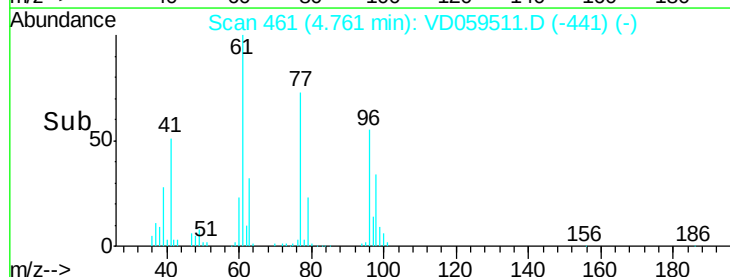
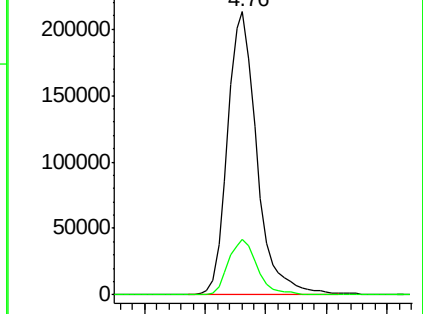
77 100

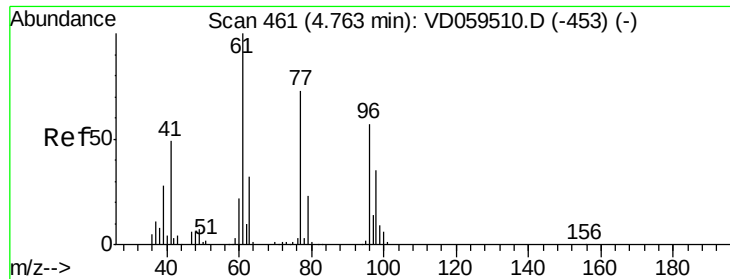
97 19.5 9.5 28.5



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: 73.47 ug/l

RT: 4.76 min Scan# 461

Delta R.T. -0.00 min

Lab File: VD059511.D

Acq: 2 Jul 2018 19:01

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC075

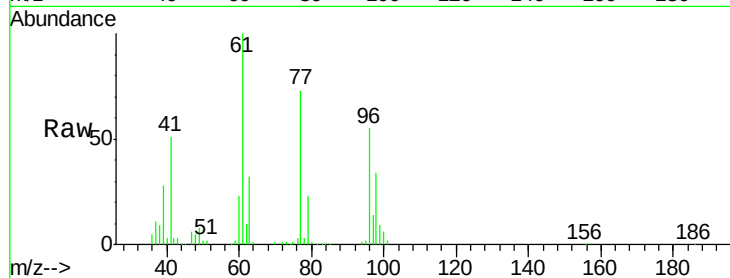
Tot Ion: 96 Resp: 466385

Ion Ratio Lower Upper

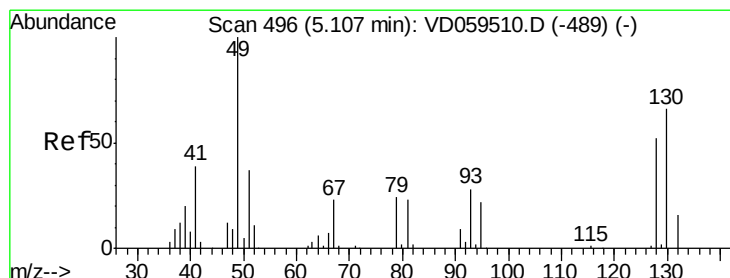
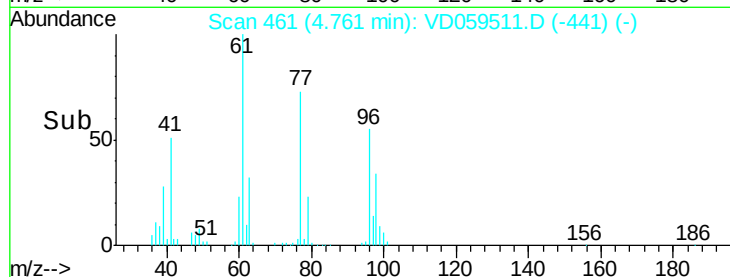
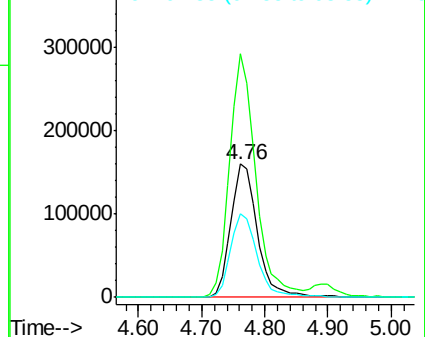
96 100

61 182.5 0.0 350.8

98 62.5 0.0 123.4



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



#28

Bromochloromethane

Concen: 74.68 ug/l

RT: 5.11 min Scan# 496

Delta R.T. -0.00 min

Lab File: VD059511.D

Acq: 2 Jul 2018 19:01

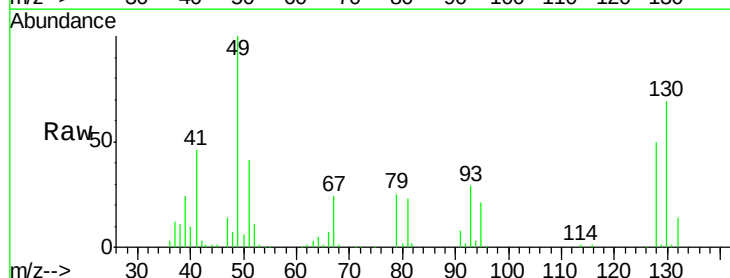
Tgt Ion: 49 Resp: 326273

Ion Ratio Lower Upper

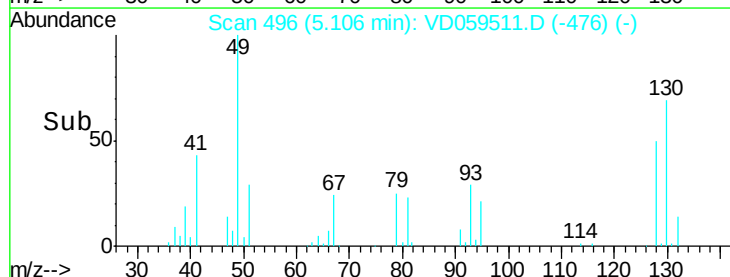
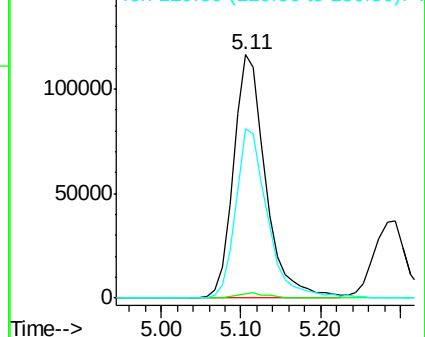
49 100

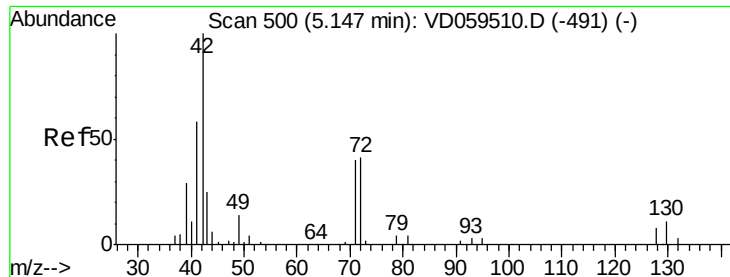
129 1.5 0.0 4.4

130 69.4 52.6 78.8



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

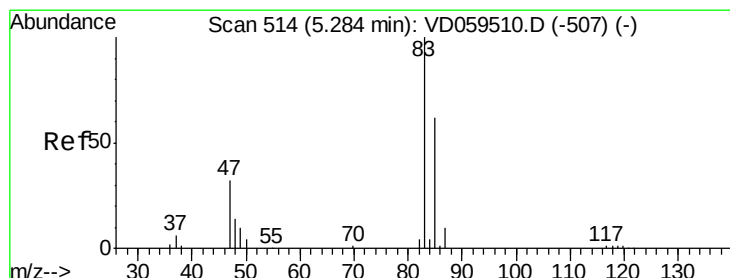
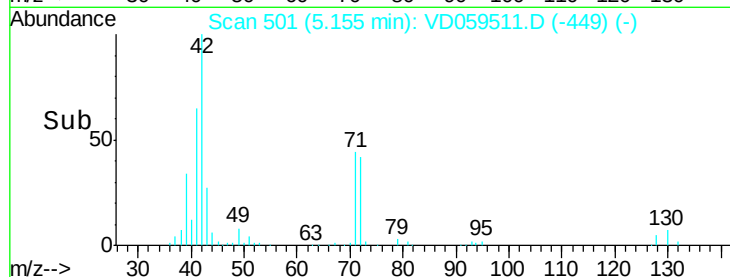
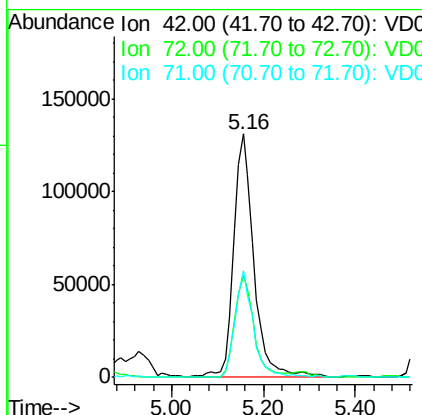
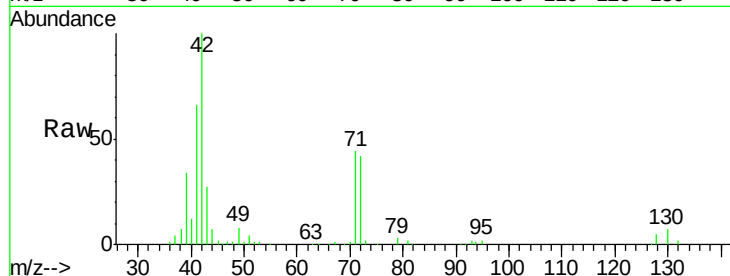




#29
Tetrahydrofuran
Concen: 417.27 ug/l
RT: 5.16 min Scan# 501
Delta R.T. 0.01 min
Lab File: VD059511.D
Acq: 2 Jul 2018 19:01

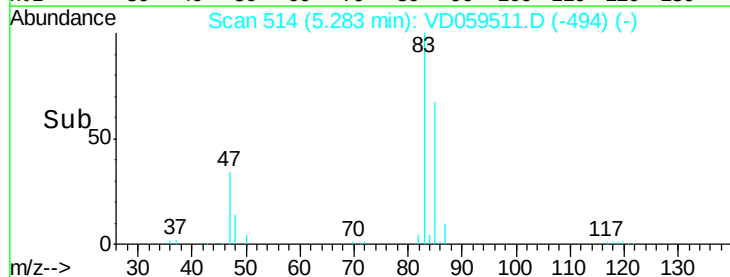
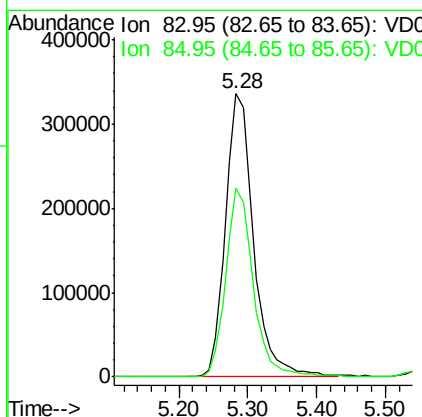
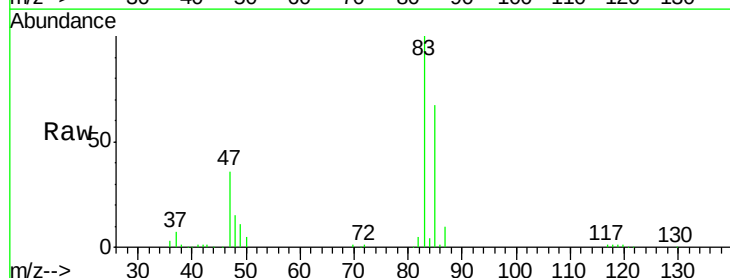
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

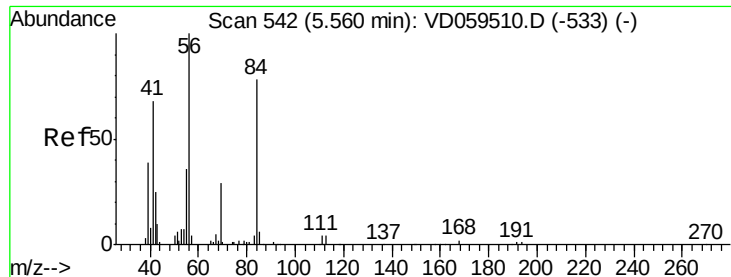
Tot Ion: 42 Resp: 400038
Ion Ratio Lower Upper
42 100
72 40.1 32.9 49.3
71 40.7 31.6 47.4



#30
Chloroform
Concen: 82.04 ug/l
RT: 5.28 min Scan# 514
Delta R.T. -0.00 min
Lab File: VD059511.D
Acq: 2 Jul 2018 19:01

Tgt Ion: 83 Resp: 949445
Ion Ratio Lower Upper
83 100
85 66.6 49.8 74.6





#31

Cyclohexane

Concen: 78.60 ug/l

RT: 5.56 min Scan# 542

Delta R.T. -0.00 min

Lab File: VD059511.D

Acq: 2 Jul 2018 19:01

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC075

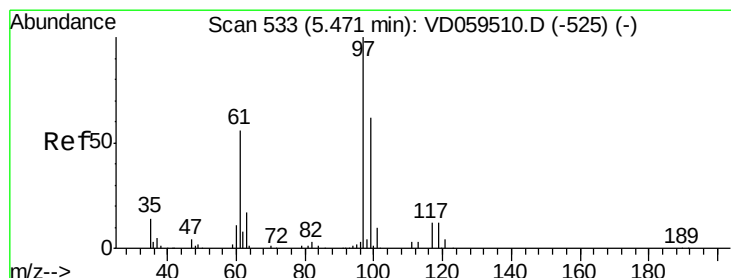
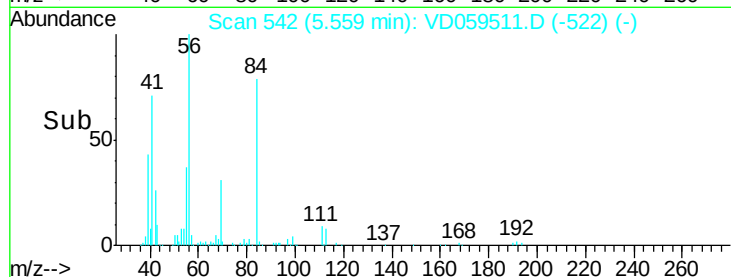
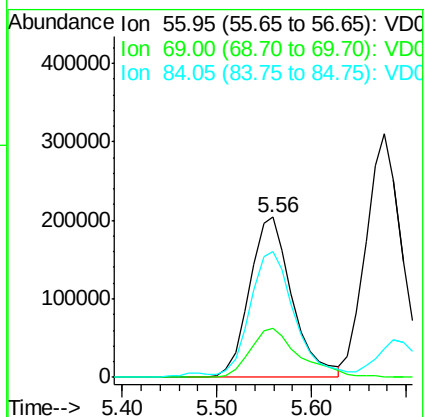
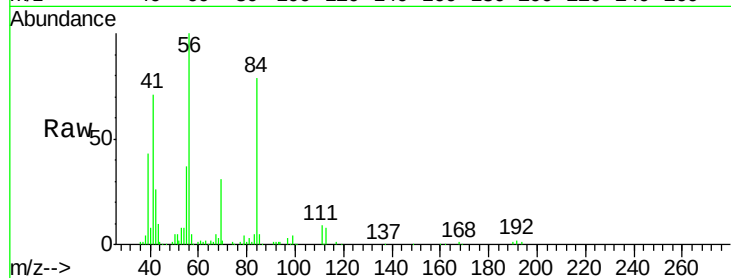
Tot Ion: 56 Resp: 638218

Ion Ratio Lower Upper

56 100

69 30.7 22.9 34.3

84 79.0 63.4 95.0



#32

1,1,1-Trichloroethane

Concen: 82.01 ug/l

RT: 5.48 min Scan# 534

Delta R.T. 0.01 min

Lab File: VD059511.D

Acq: 2 Jul 2018 19:01

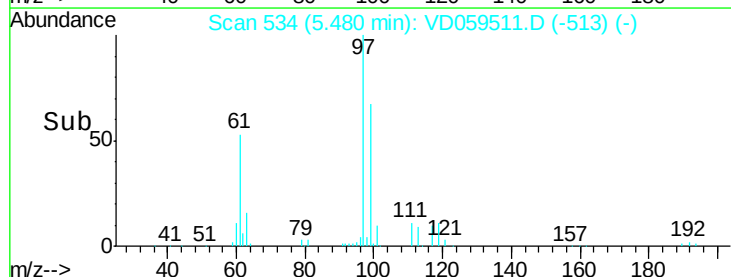
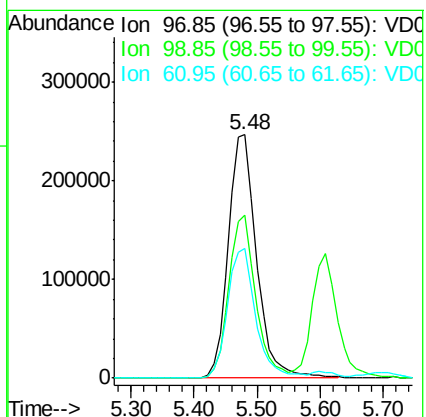
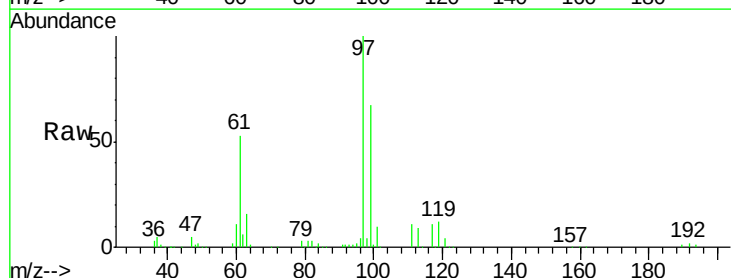
Tgt Ion: 97 Resp: 762653

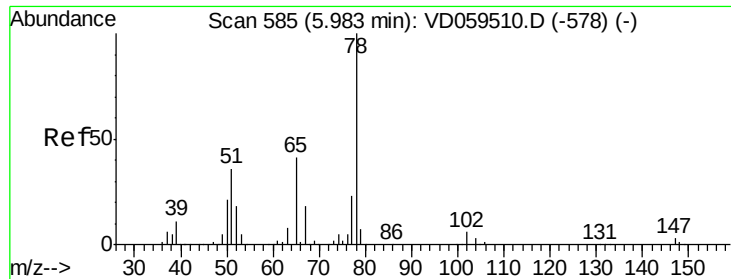
Ion Ratio Lower Upper

97 100

99 66.9 49.6 74.4

61 53.3 44.8 67.2

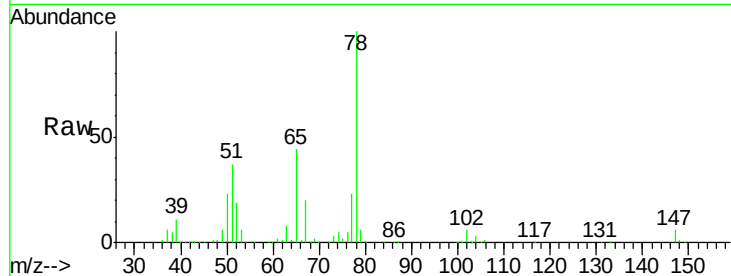




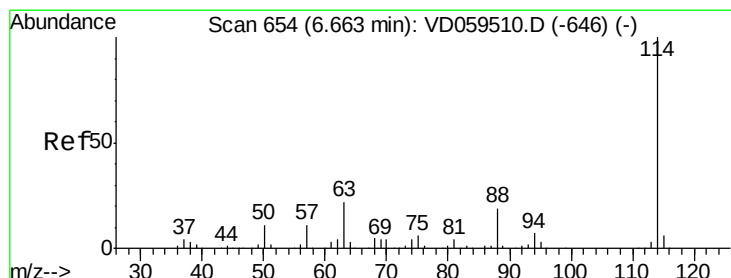
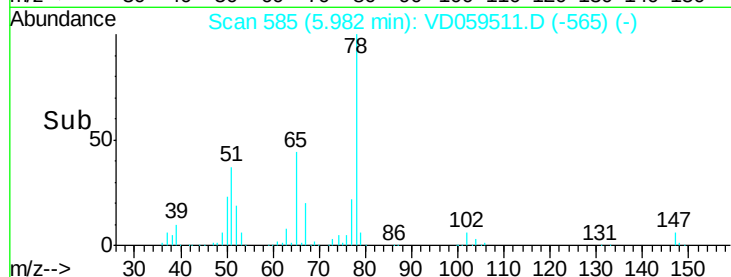
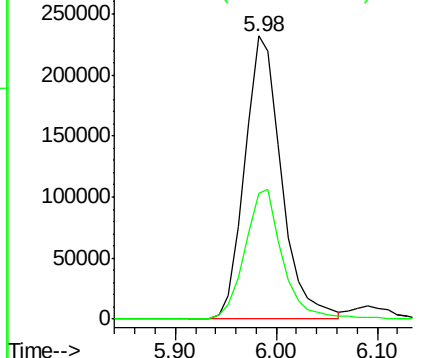
#33
 1,2-Dichloroethane-d4
 Concen: 82.01 ug/l
 RT: 5.98 min Scan# 585
 Delta R.T. -0.00 min
 Lab File: VD059511.D
 Acq: 2 Jul 2018 19:01

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC075

Tot Ion: 65 Resp: 587801
 Ion Ratio Lower Upper
 65 100
 67 44.7 0.0 90.2

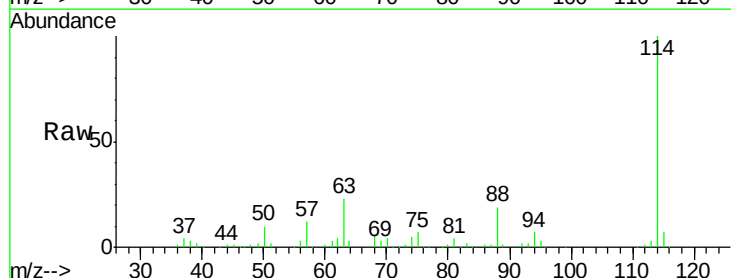


Abundance Ion 64.95 (64.65 to 65.65): VDC
 Ion 66.90 (66.60 to 67.60): VDC

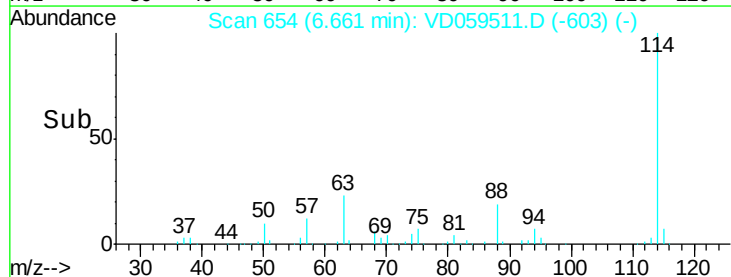
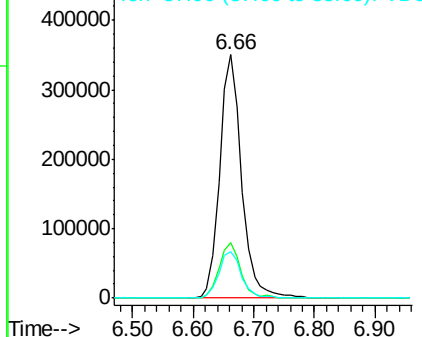


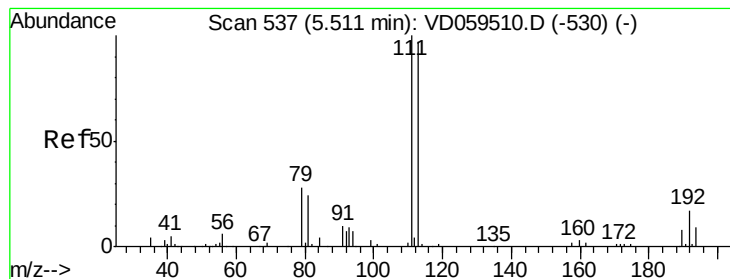
#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.66 min Scan# 654
 Delta R.T. -0.00 min
 Lab File: VD059511.D
 Acq: 2 Jul 2018 19:01

Tgt Ion: 114 Resp: 876144
 Ion Ratio Lower Upper
 114 100
 63 23.0 0.0 44.4
 88 19.3 0.0 37.8



Abundance Ion 114.00 (113.70 to 114.70): V
 Ion 62.95 (62.65 to 63.65): VDC
 Ion 87.90 (87.60 to 88.60): VDC





#35

Dibromofluoromethane

Concen: 50.00 ug/l

RT: 5.51 min Scan# 537

Delta R.T. -0.00 min

Lab File: VD059511.D

Acq: 2 Jul 2018 19:01

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC075

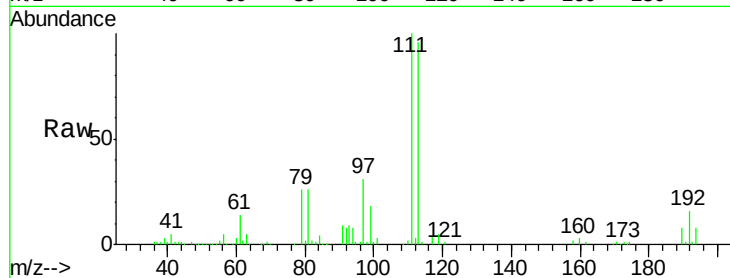
Tot Ion:113 Resp: 542886

Ion Ratio Lower Upper

113 100

111 104.3 82.7 124.1

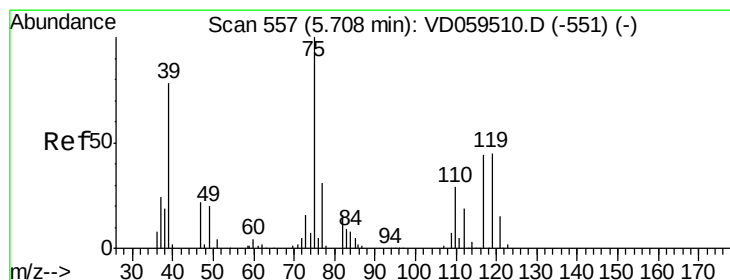
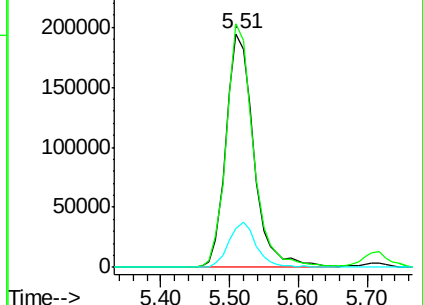
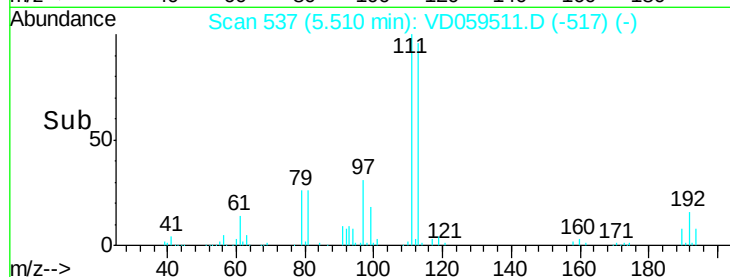
192 16.8 14.2 21.2



Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V



#36

1,1-Dichloropropene

Concen: 76.23 ug/l

RT: 5.71 min Scan# 557

Delta R.T. -0.00 min

Lab File: VD059511.D

Acq: 2 Jul 2018 19:01

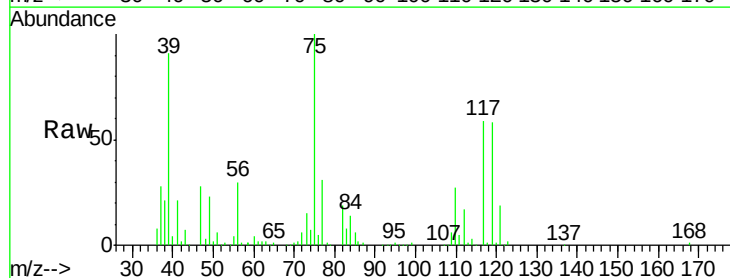
Tgt Ion: 75 Resp: 638395

Ion Ratio Lower Upper

75 100

110 27.0 14.4 43.4

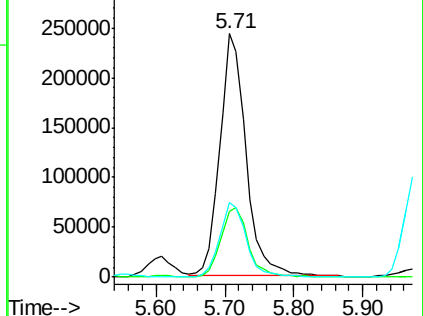
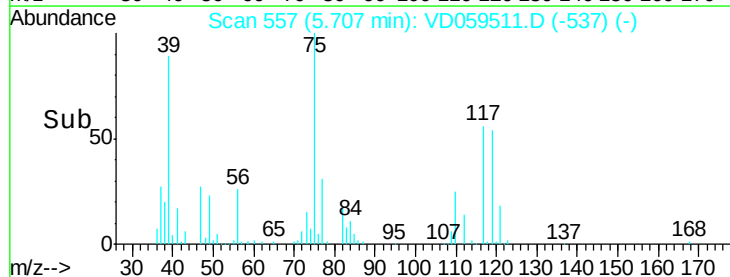
77 30.8 25.0 37.6

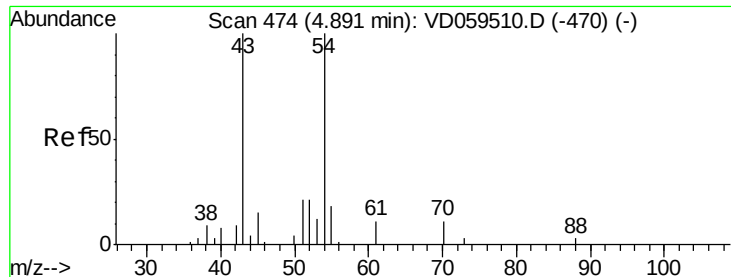


Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): VDC





#37

Ethyl Acetate

Concen: 72.20 ug/l

RT: 4.89 min Scan# 474

Delta R.T. -0.00 min

Lab File: VD059511.D

Acq: 2 Jul 2018 19:01

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC075

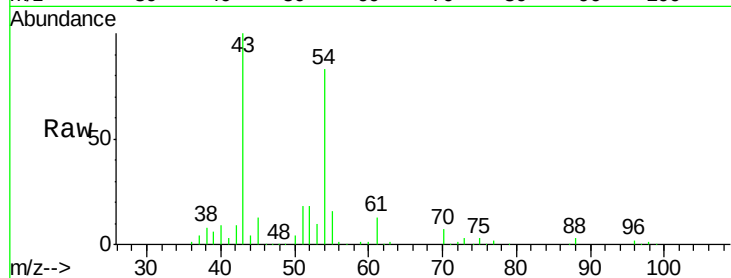
Tot Ion: 43 Resp: 359703

Ion Ratio Lower Upper

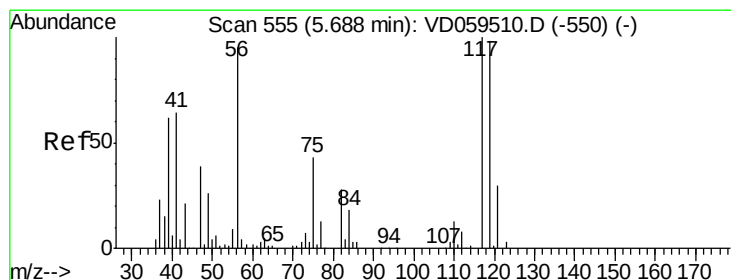
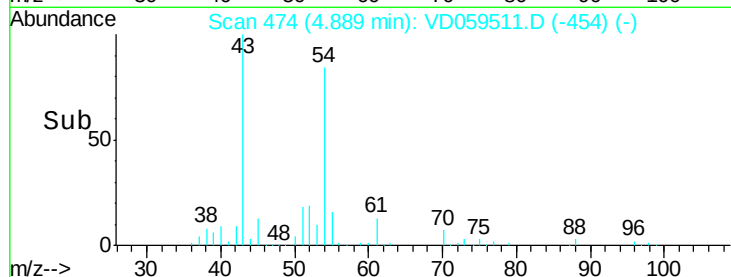
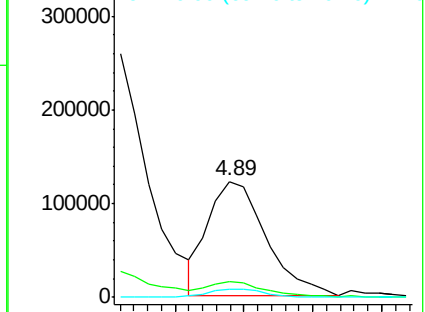
43 100

61 13.2 11.5 17.3

70 7.4 6.8 10.2



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



#38

Carbon Tetrachloride

Concen: 76.83 ug/l

RT: 5.69 min Scan# 555

Delta R.T. -0.00 min

Lab File: VD059511.D

Acq: 2 Jul 2018 19:01

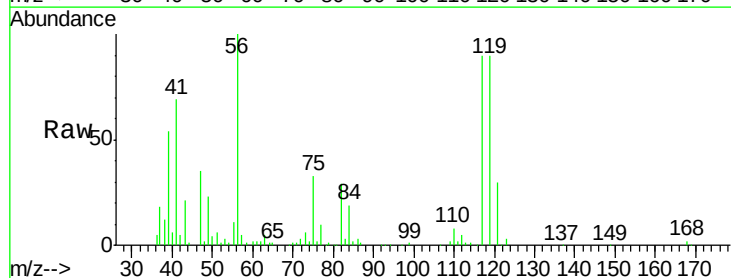
Tgt Ion: 117 Resp: 661492

Ion Ratio Lower Upper

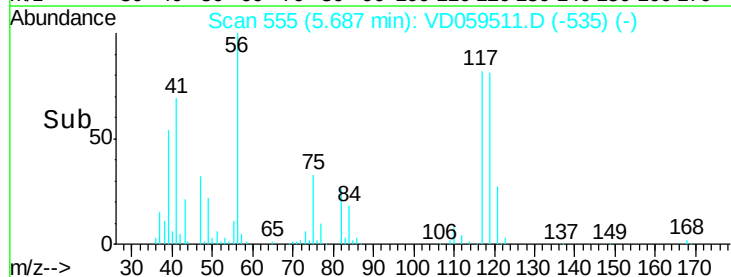
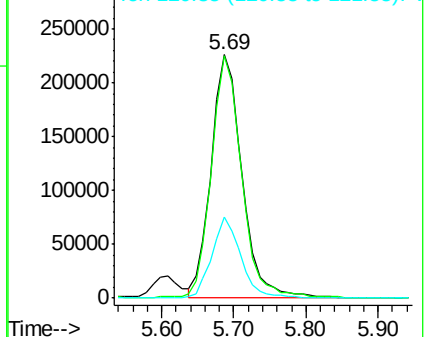
117 100

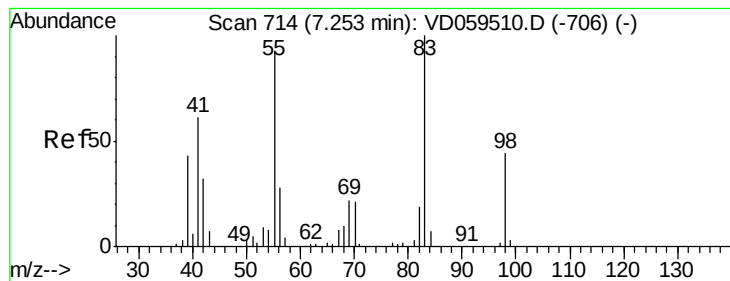
119 99.5 76.4 114.6

121 33.0 23.9 35.9



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





#39

Methylvlcyclohexane

Concen: 76.28 ug/l

RT: 7.25 min Scan# 714

Delta R.T. -0.00 min

Lab File: VD059511.D

Acq: 2 Jul 2018 19:01

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC075

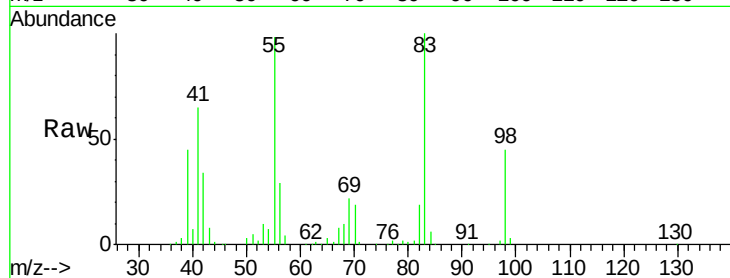
Tot Ion: 83 Resp: 606940

Ion Ratio Lower Upper

83 100

55 98.0 74.2 111.4

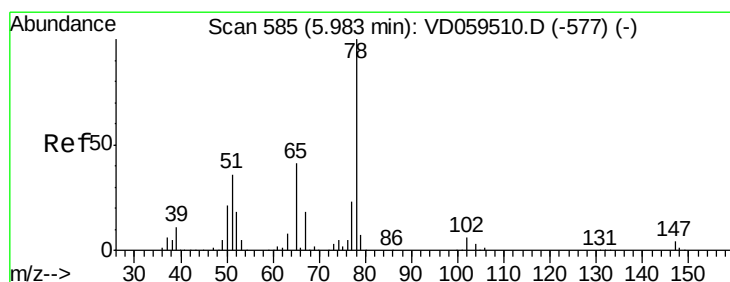
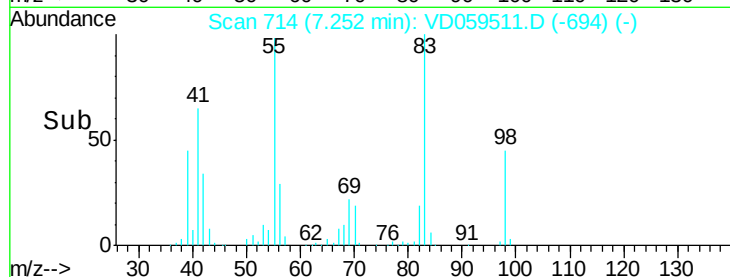
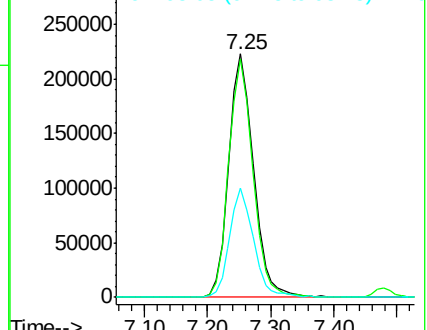
98 45.0 35.5 53.3



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: 72.45 ug/l

RT: 5.98 min Scan# 585

Delta R.T. -0.00 min

Lab File: VD059511.D

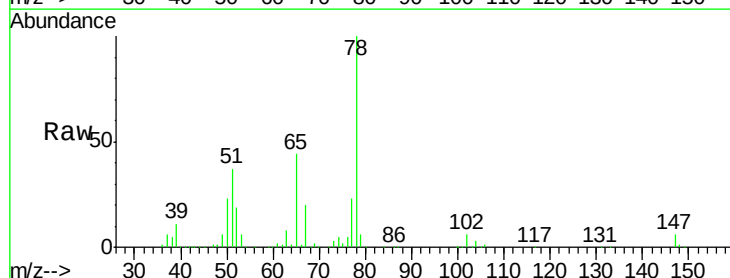
Acq: 2 Jul 2018 19:01

Tgt Ion: 78 Resp: 1454215

Ion Ratio Lower Upper

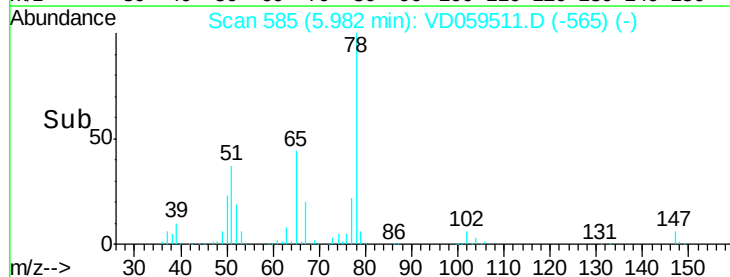
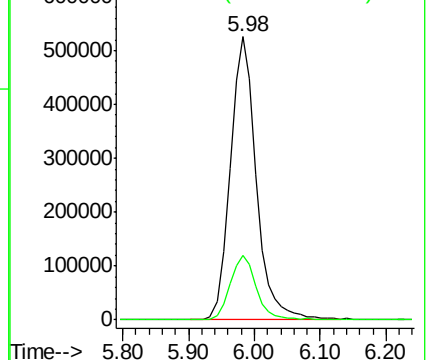
78 100

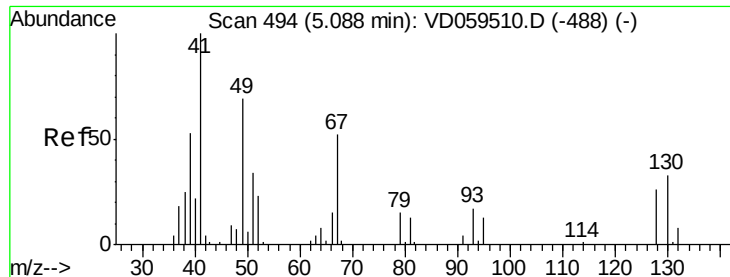
77 22.9 18.6 27.8



Abundance Ion 77.95 (77.65 to 78.65): VDC

Ion 76.95 (76.65 to 77.65): VDC





#41

Methacrylonitrile

Concen: 76.13 ug/l

RT: 5.10 min Scan# 495

Delta R.T. 0.01 min

Lab File: VD059511.D

Acq: 2 Jul 2018 19:01

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC075

Tot Ion: 41 Resp: 184588

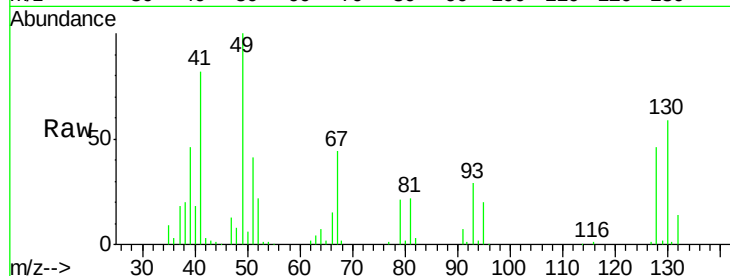
Ion Ratio Lower Upper

41 100

39 56.1 43.0 64.4

67 52.8 41.4 62.2

52 27.2 18.6 28.0

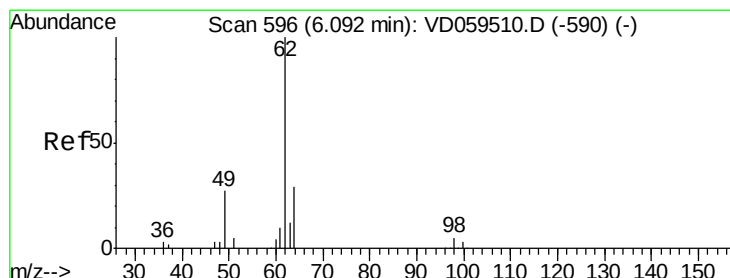
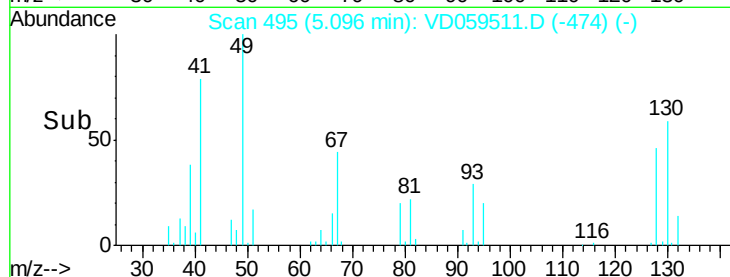
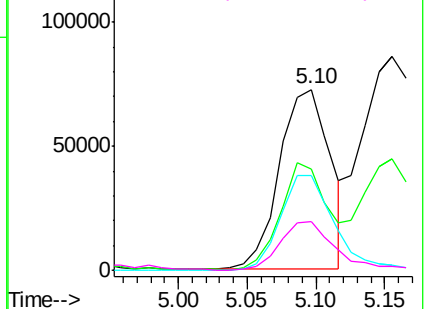


Abundance Ion 40.95 (40.65 to 41.65): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 67.00 (66.70 to 67.70): VDC

Ion 52.00 (51.70 to 52.70): VDC



#42

1,2-Dichloroethane

Concen: 80.29 ug/l

RT: 6.09 min Scan# 596

Delta R.T. -0.00 min

Lab File: VD059511.D

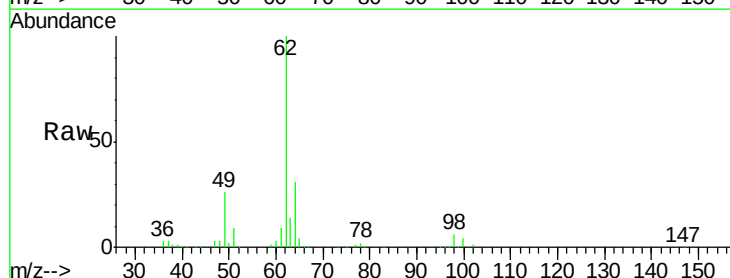
Acq: 2 Jul 2018 19:01

Tgt Ion: 62 Resp: 707117

Ion Ratio Lower Upper

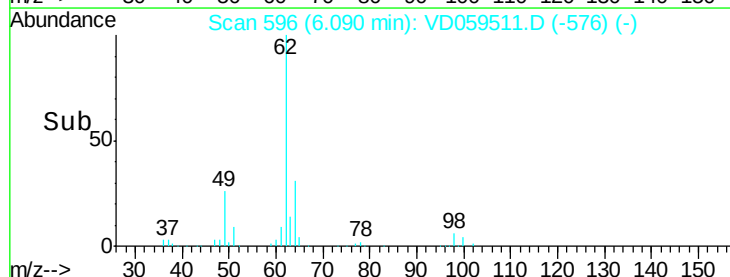
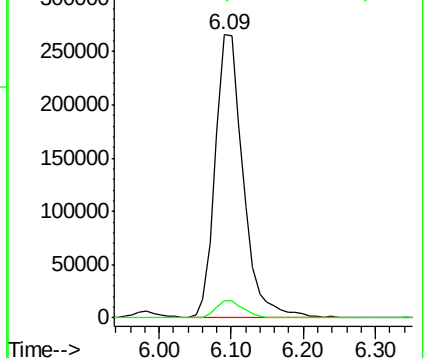
62 100

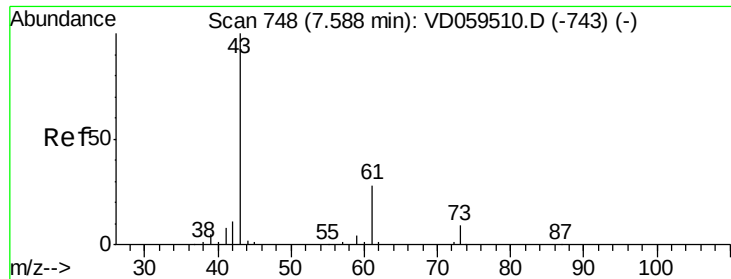
98 6.1 0.0 10.0



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 97.85 (97.55 to 98.55): VDC





#43

Isopropyl Acetate

Concen: 81.06 ug/l

RT: 7.59 min Scan# 748

Delta R.T. -0.00 min

Lab File: VD059511.D

Acq: 2 Jul 2018 19:01

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC075

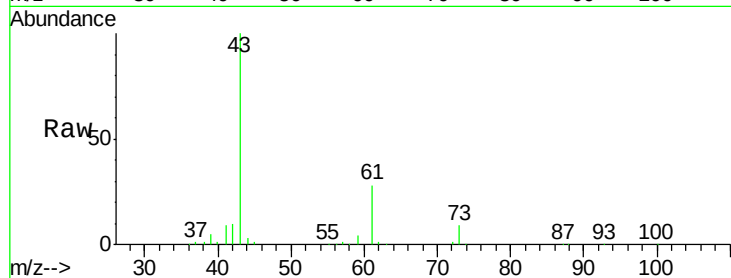
Tot Ion: 43 Resp: 513995

Ion Ratio Lower Upper

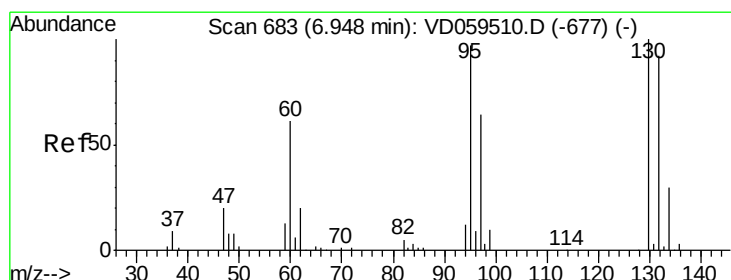
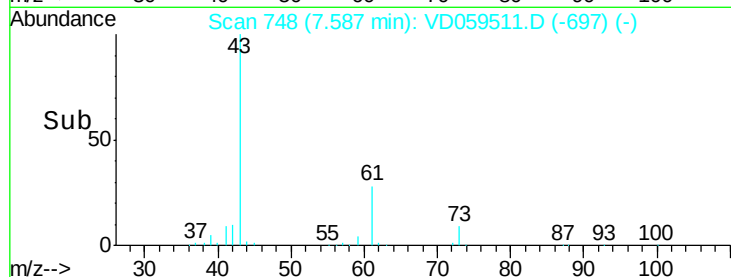
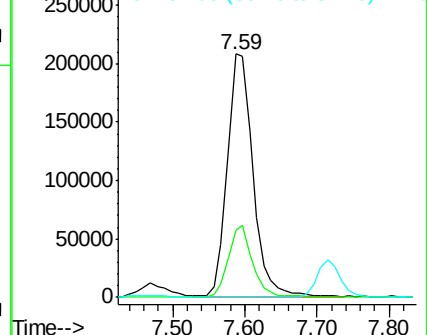
43 100

61 27.8 22.3 33.5

87 0.2 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: 70.20 ug/l

RT: 6.95 min Scan# 683

Delta R.T. -0.00 min

Lab File: VD059511.D

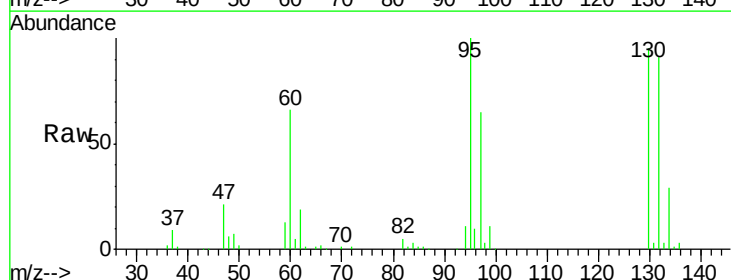
Acq: 2 Jul 2018 19:01

Tgt Ion:130 Resp: 456946

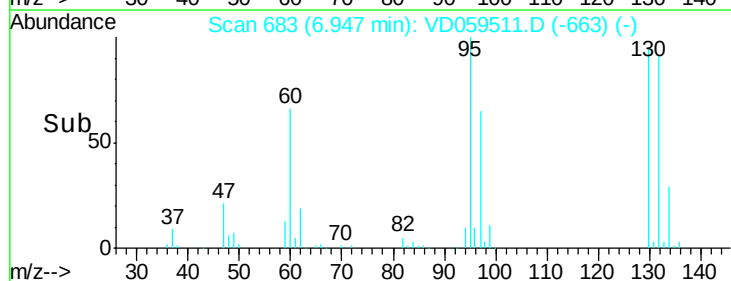
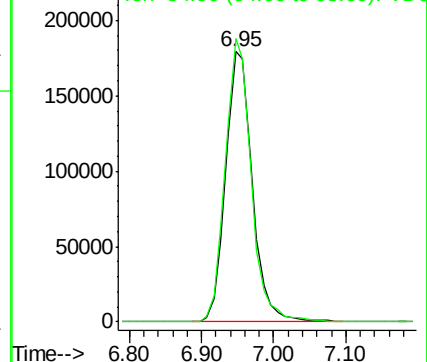
Ion Ratio Lower Upper

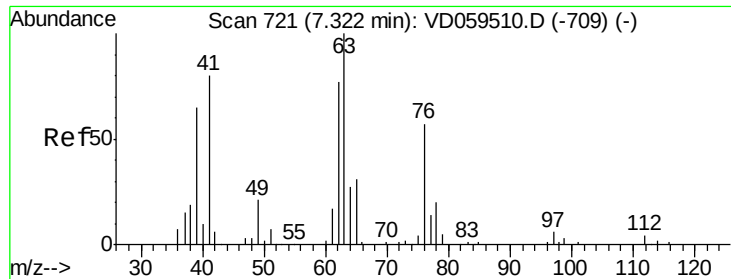
130 100

95 104.7 0.0 193.6



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

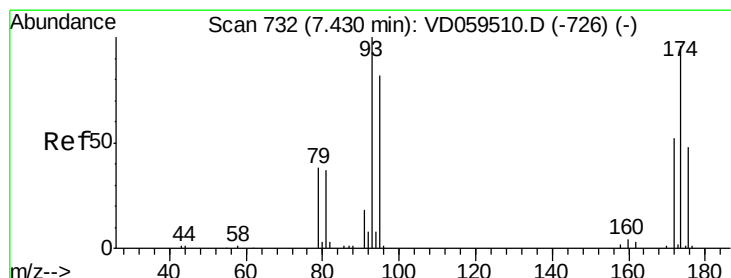
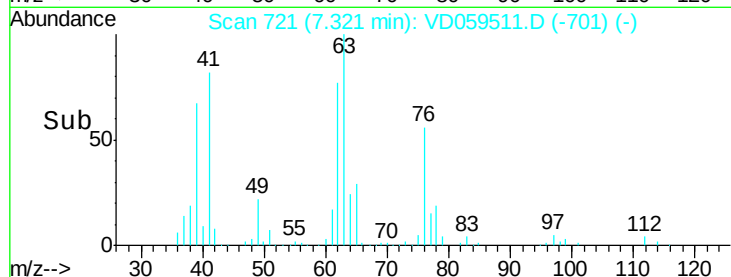
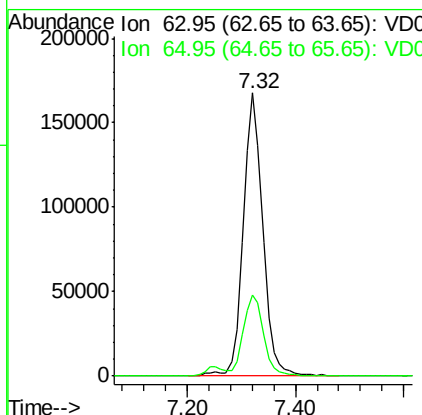
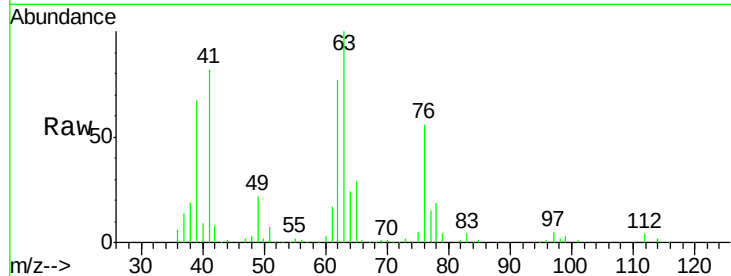




#45
 1,2-Dichloropropane
 Concen: 76.17 ug/l
 RT: 7.32 min Scan# 721
 Delta R.T. -0.00 min
 Lab File: VD059511.D
 Acq: 2 Jul 2018 19:01

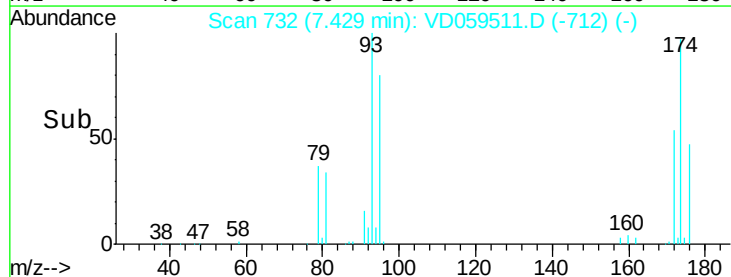
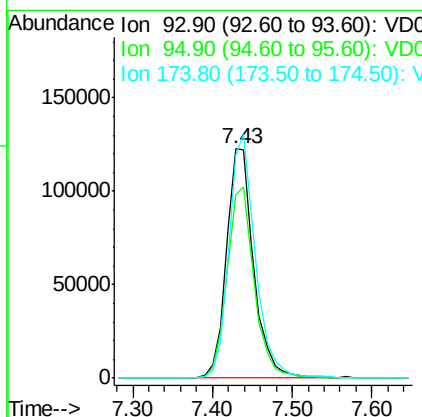
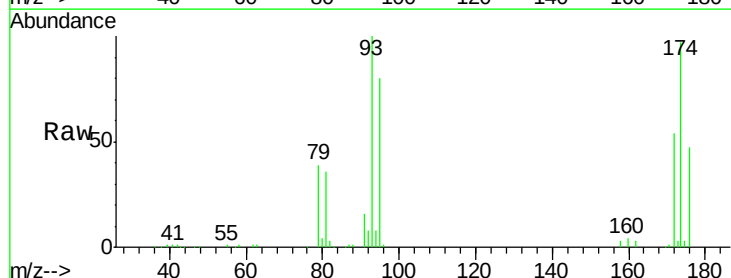
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC075

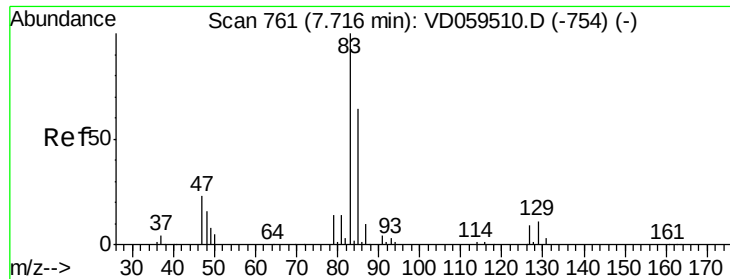
Tot Ion: 63 Resp: 421222
 Ion Ratio Lower Upper
 63 100
 65 28.5 24.4 36.6



#46
 Dibromomethane
 Concen: 75.35 ug/l
 RT: 7.43 min Scan# 732
 Delta R.T. -0.00 min
 Lab File: VD059511.D
 Acq: 2 Jul 2018 19:01

Tgt Ion: 93 Resp: 295055
 Ion Ratio Lower Upper
 93 100
 95 80.1 65.7 98.5
 174 97.2 77.2 115.8





#47

Bromodichloromethane

Concen: 79.99 ug/l

RT: 7.71 min Scan# 761

Delta R.T. -0.00 min

Lab File: VD059511.D

Acq: 2 Jul 2018 19:01

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC075

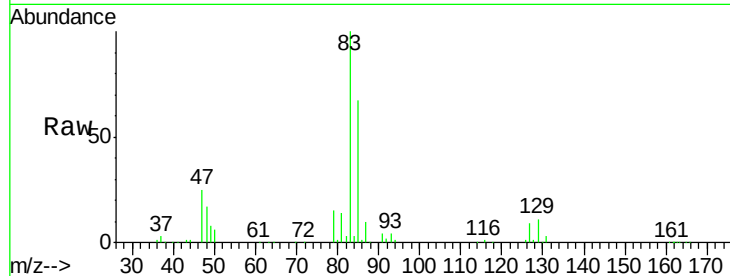
Tot Ion: 83 Resp: 704948

Ion Ratio Lower Upper

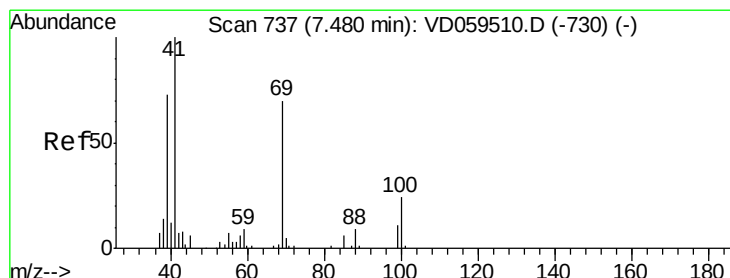
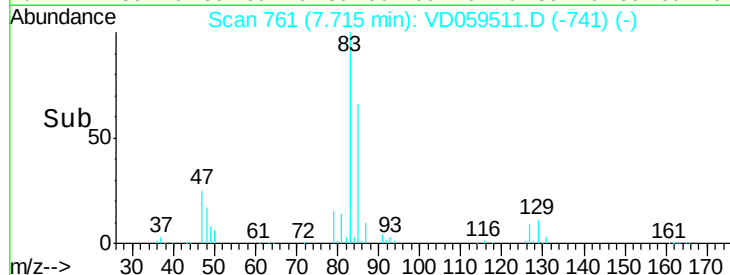
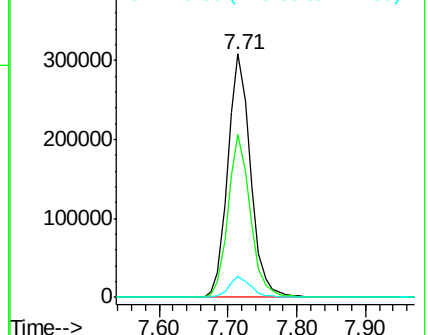
83 100

85 66.7 51.0 76.4

127 8.7 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: 81.60 ug/l

RT: 7.48 min Scan# 737

Delta R.T. -0.00 min

Lab File: VD059511.D

Acq: 2 Jul 2018 19:01

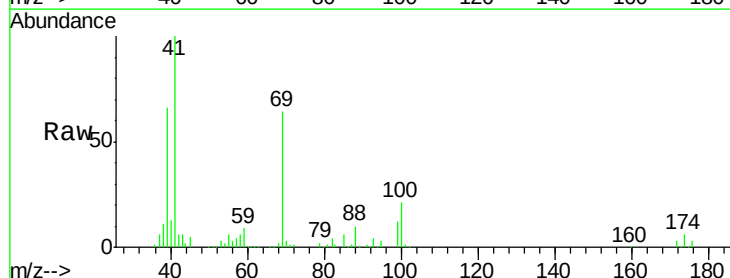
Tgt Ion: 41 Resp: 318049

Ion Ratio Lower Upper

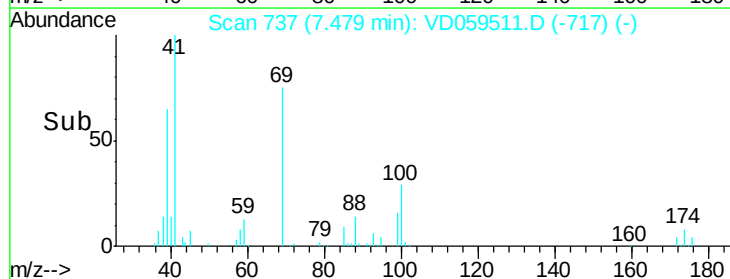
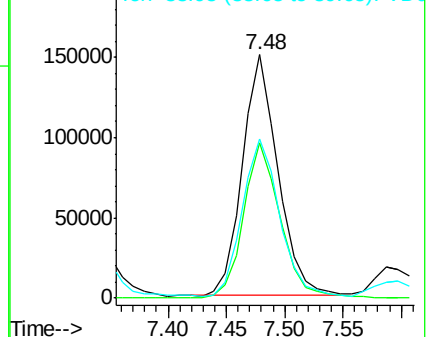
41 100

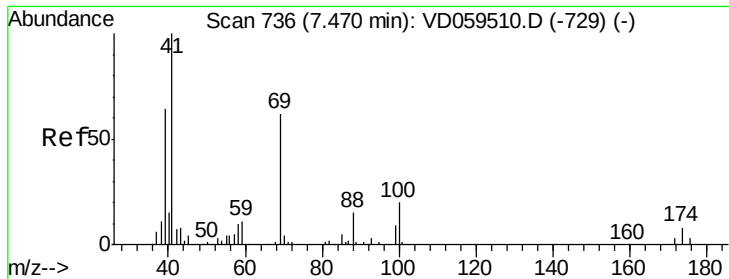
69 63.6 55.8 83.8

39 65.6 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

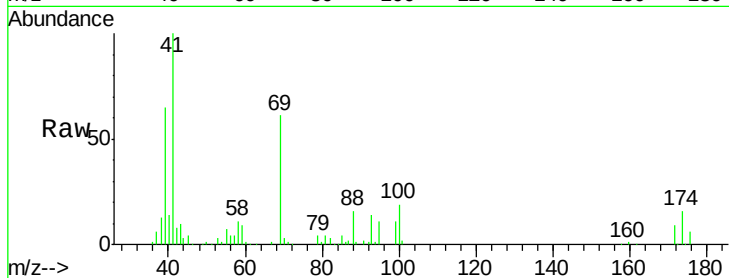




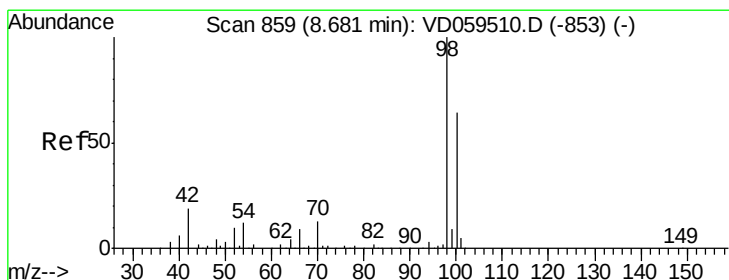
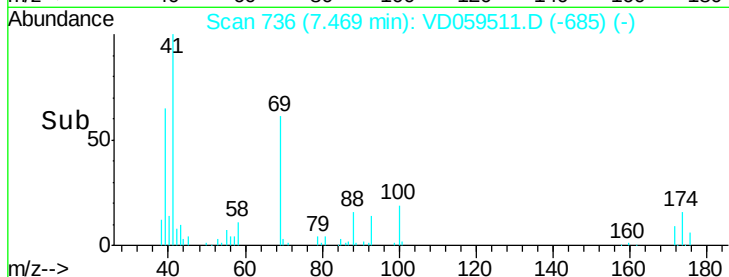
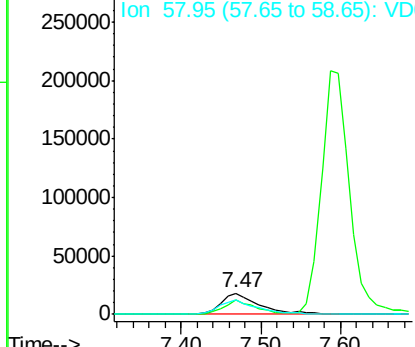
#49
1,4-Dioxane
Concen: 1558.71 ug/l
RT: 7.47 min Scan# 736
Delta R.T. -0.00 min
Lab File: VD059511.D
Acq: 2 Jul 2018 19:01

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

Tot Ion: 88 Resp: 60426
Ion Ratio Lower Upper
88 100
43 65.2 41.4 62.0#
58 67.0 49.4 74.2

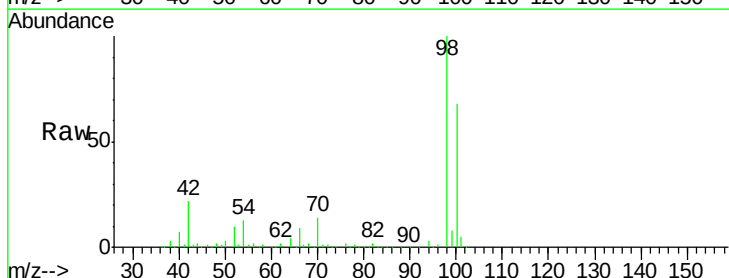


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 57.95 (57.65 to 58.65): VDC

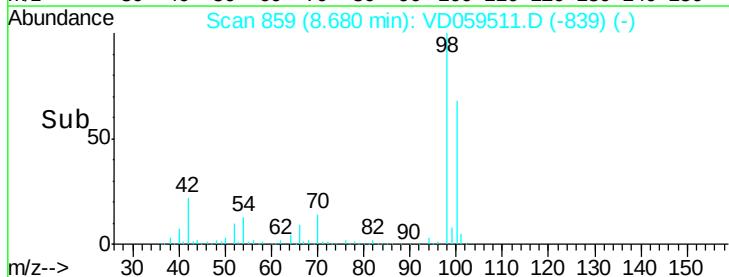
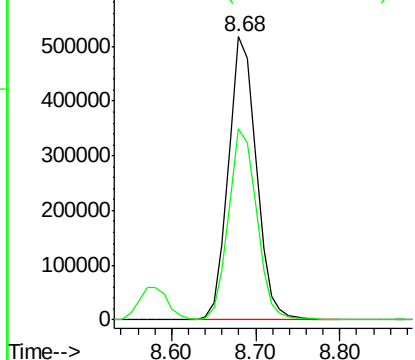


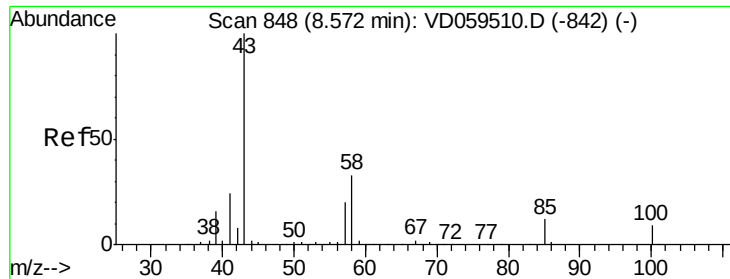
#50
Toluene-d8
Concen: 1558.71 ug/l
RT: 8.68 min Scan# 859
Delta R.T. -0.00 min
Lab File: VD059511.D
Acq: 2 Jul 2018 19:01

Tgt Ion: 98 Resp: 1195916
Ion Ratio Lower Upper
98 100
100 67.5 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: 393.00 ug/l

RT: 8.58 min Scan# 849

Delta R.T. 0.01 min

Lab File: VD059511.D

Acq: 2 Jul 2018 19:01

Instrument :

MSVOA_D

ClientSampleId :

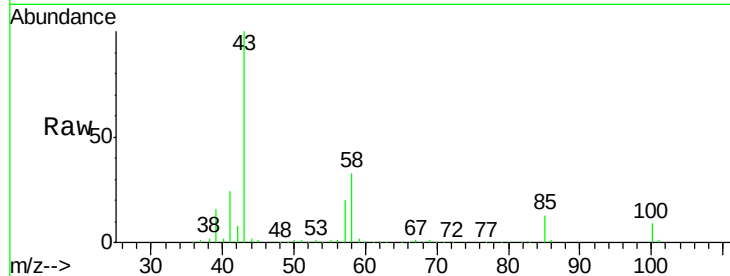
VSTDIC075

Tot Ion: 43 Resp: 1652833

Ion Ratio Lower Upper

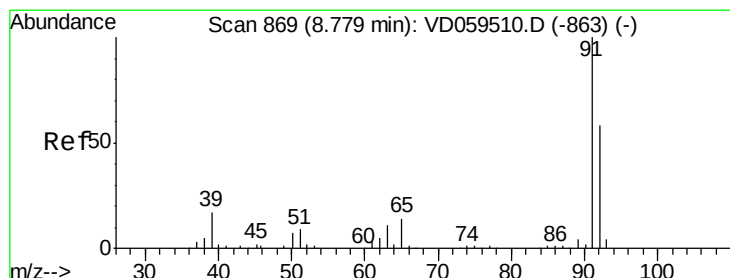
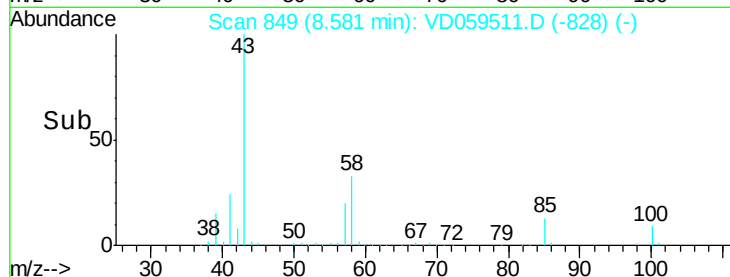
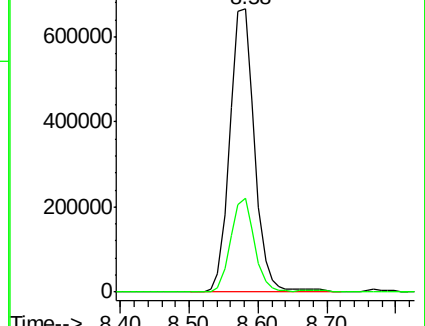
43 100

58 33.3 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: 68.62 ug/l

RT: 8.78 min Scan# 869

Delta R.T. -0.00 min

Lab File: VD059511.D

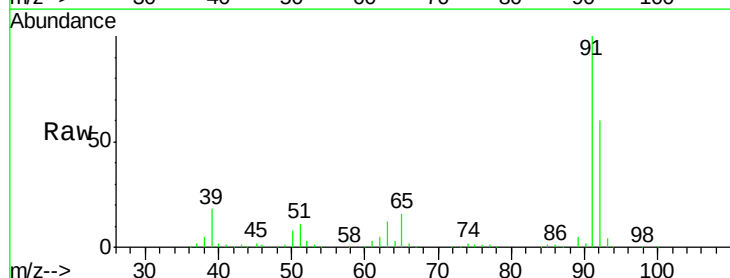
Acq: 2 Jul 2018 19:01

Tgt Ion: 92 Resp: 811984

Ion Ratio Lower Upper

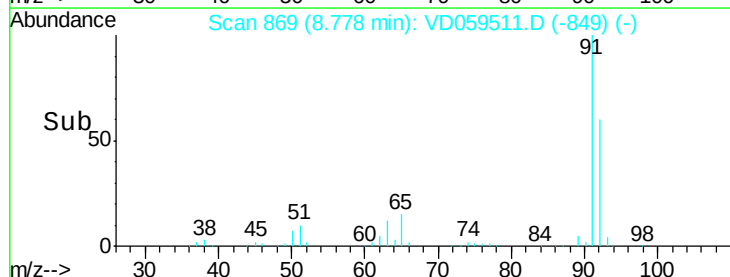
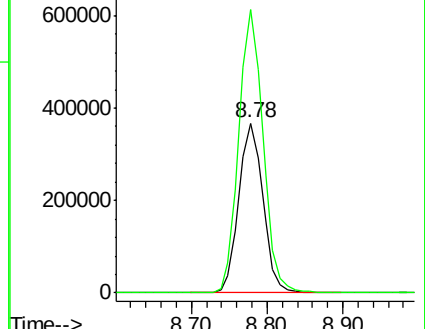
92 100

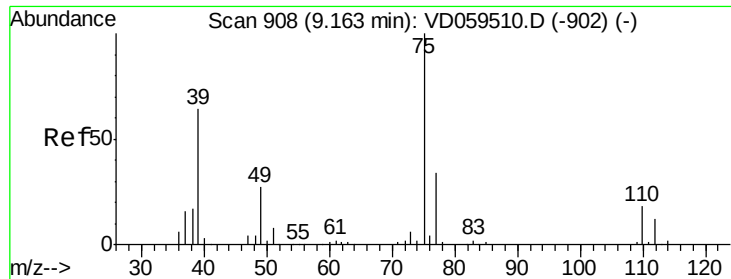
91 166.9 138.8 208.2



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: 82.70 ug/l

RT: 9.16 min Scan# 908

Delta R.T. -0.00 min

Lab File: VD059511.D

Acq: 2 Jul 2018 19:01

Instrument :

MSVOA_D

ClientSampleId :

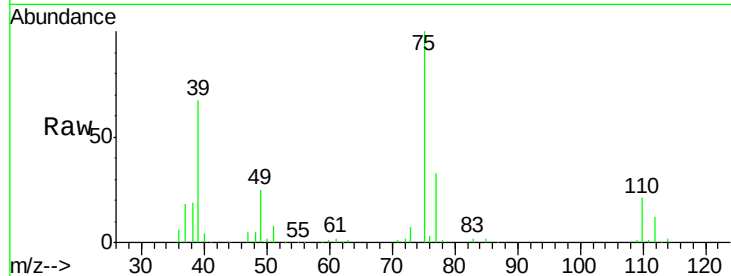
VSTDIC075

Tot Ion: 75 Resp: 621238

Ion Ratio Lower Upper

75 100

77 33.1 26.9 40.3



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

9.16

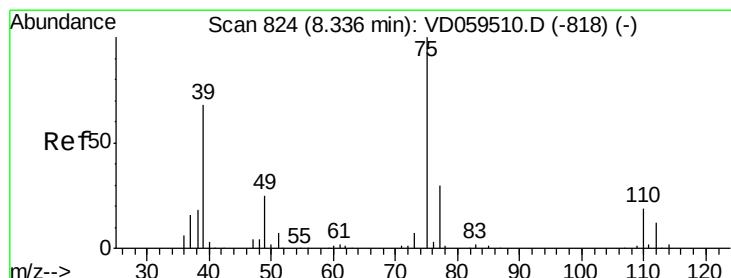
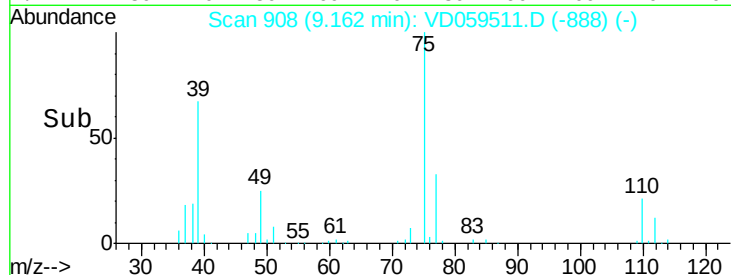
300000

200000

100000

0

Time--> 9.00 9.10 9.20 9.30



#54

cis-1,3-Dichloropropene

Concen: 79.05 ug/l

RT: 8.33 min Scan# 824

Delta R.T. -0.00 min

Lab File: VD059511.D

Acq: 2 Jul 2018 19:01

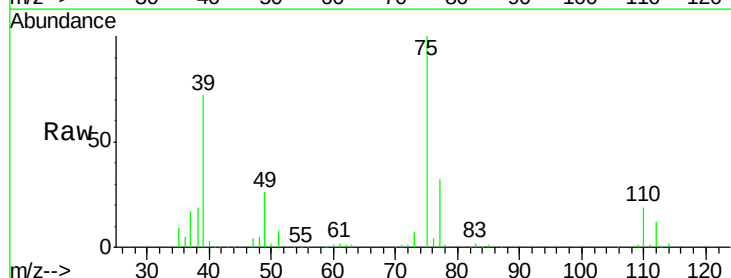
Tgt Ion: 75 Resp: 688057

Ion Ratio Lower Upper

75 100

77 32.1 24.4 36.6

39 72.4 54.7 82.1



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

Ion 38.95 (38.65 to 39.65): VDC

8.33

400000

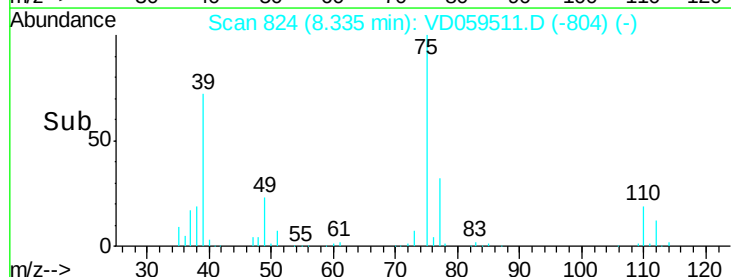
300000

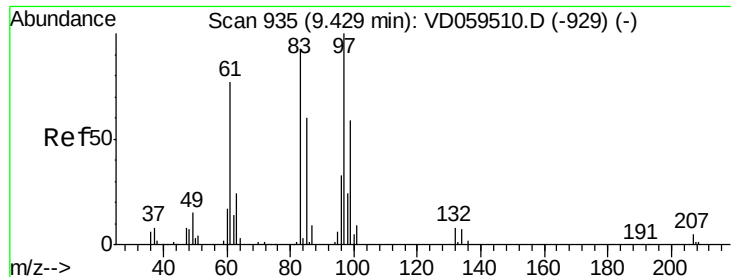
200000

100000

0

Time--> 8.20 8.30 8.40 8.50





#55

1,1,2-Trichloroethane

Concen: 70.63 ug/l

RT: 9.43 min Scan# 935

Delta R.T. -0.00 min

Lab File: VD059511.D

Acq: 2 Jul 2018 19:01

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC075

Tot Ion: 97 Resp: 299530

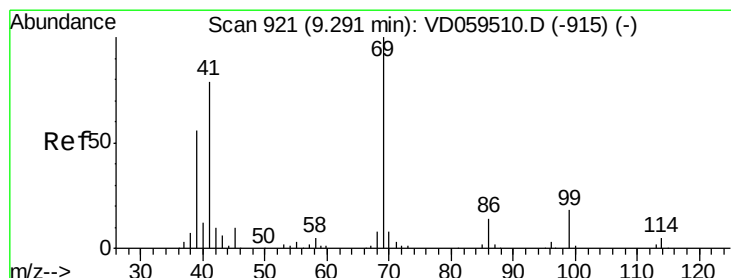
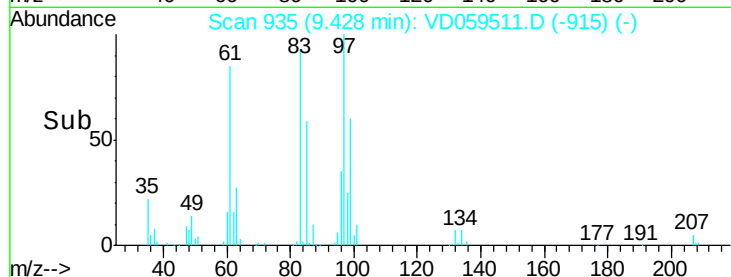
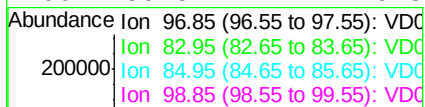
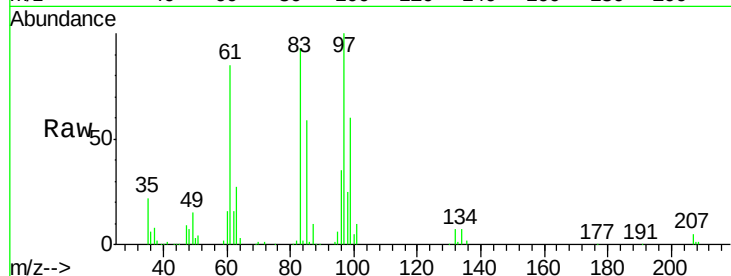
Ion	Ratio	Lower	Upper
97	100		
83	93.1	74.3	111.5
85	59.2	48.1	72.1
99	59.5	47.2	70.8

97 100

83 93.1 74.3 111.5

85 59.2 48.1 72.1

99 59.5 47.2 70.8



#56

Ethyl methacrylate

Concen: 80.06 ug/l

RT: 9.29 min Scan# 921

Delta R.T. -0.00 min

Lab File: VD059511.D

Acq: 2 Jul 2018 19:01

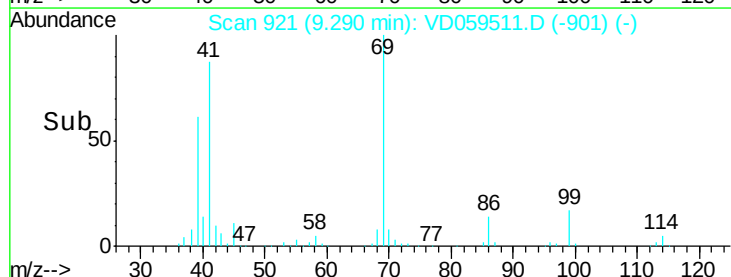
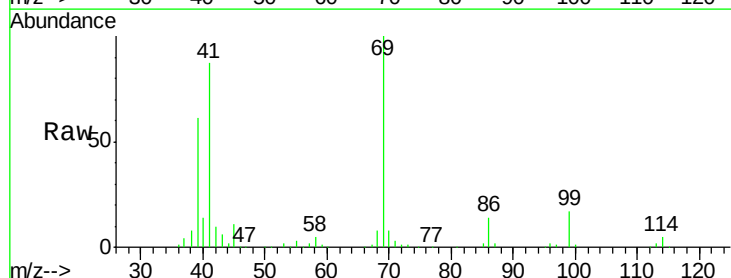
Tgt Ion: 69 Resp: 394674

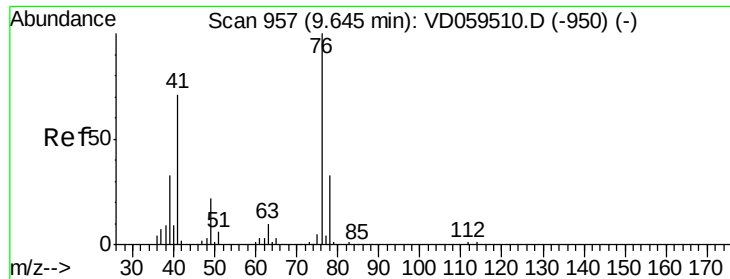
Ion	Ratio	Lower	Upper
69	100		
41	87.2	63.4	95.0
39	60.5	45.0	67.6

69 100

41 87.2 63.4 95.0

39 60.5 45.0 67.6





#57

1,3-Dichloropropane

Concen: 78.98 ug/l

RT: 9.64 min Scan# 957

Delta R.T. -0.00 min

Lab File: VD059511.D

Acq: 2 Jul 2018 19:01

Instrument :

MSVOA_D

ClientSampleId :

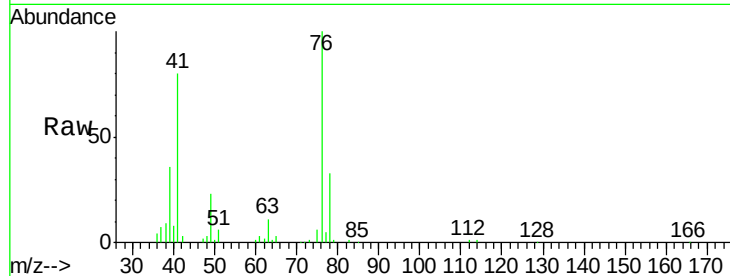
VSTDIC075

Tot Ion: 76 Resp: 557839

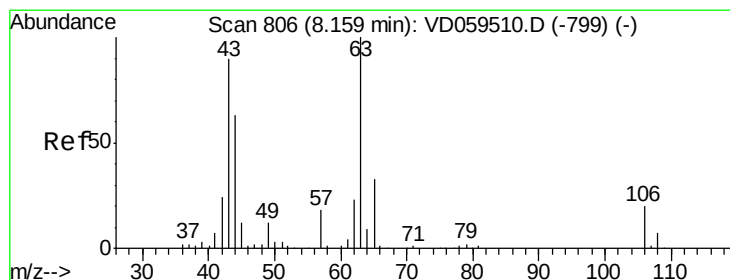
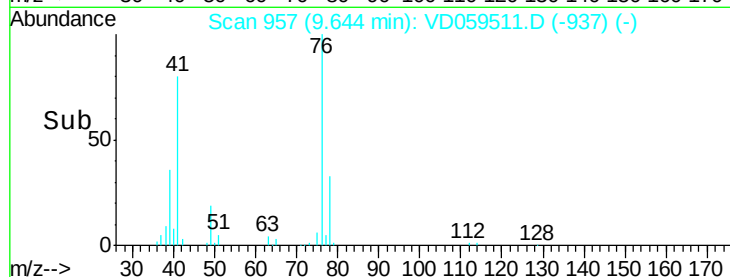
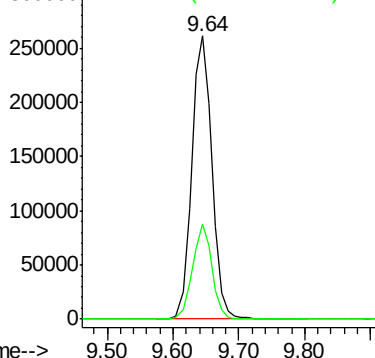
Ion Ratio Lower Upper

76 100

78 33.5 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: 357.29 ug/l

RT: 8.17 min Scan# 807

Delta R.T. 0.01 min

Lab File: VD059511.D

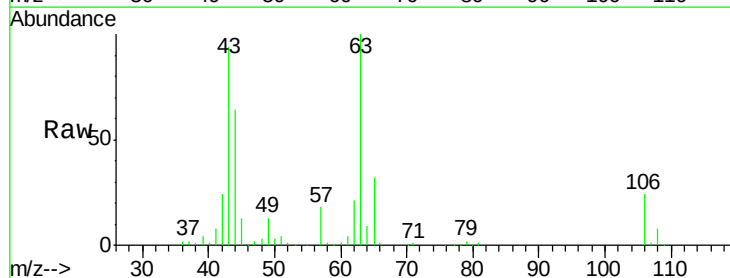
Acq: 2 Jul 2018 19:01

Tgt Ion: 63 Resp: 905549

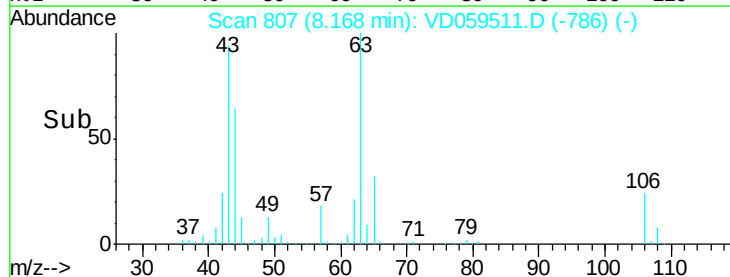
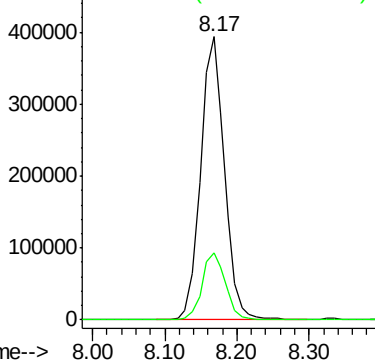
Ion Ratio Lower Upper

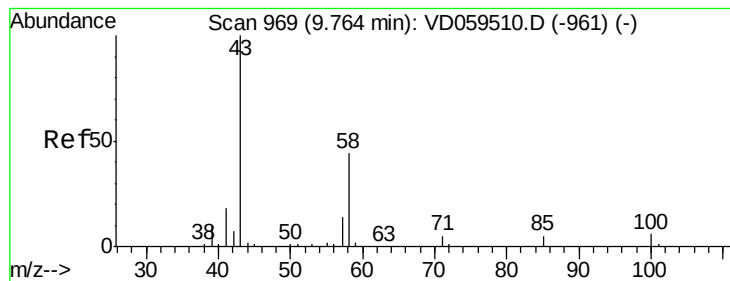
63 100

106 23.6 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: 392.25 ug/l

RT: 9.76 min Scan# 969

Delta R.T. -0.00 min

Lab File: VD059511.D

Acq: 2 Jul 2018 19:01

Instrument :

MSVOA_D

ClientSampleId :

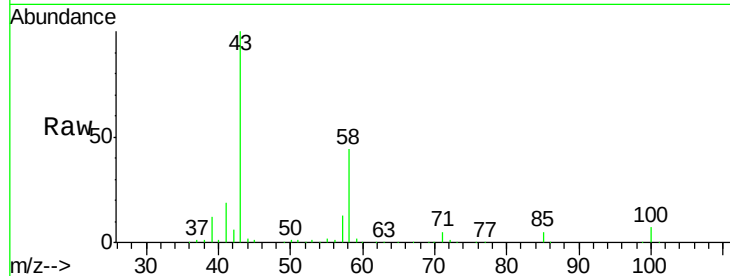
VSTDIC075

Tot Ion: 43 Resp: 1167716

Ion Ratio Lower Upper

43 100

58 43.8 22.0 66.0



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

600000

500000

400000

300000

200000

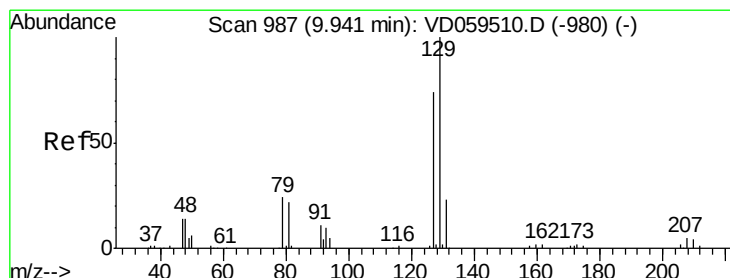
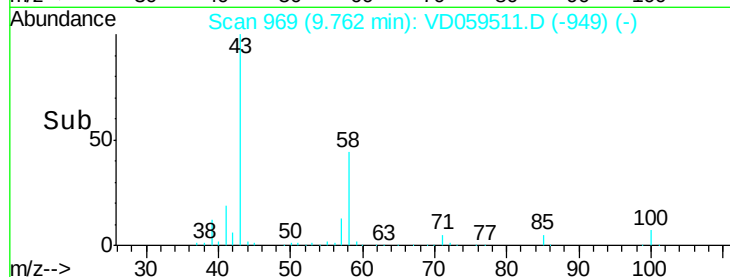
100000

0

9.60

9.80

Time-->



#60

Dibromochloromethane

Concen: 75.04 ug/l

RT: 9.94 min Scan# 987

Delta R.T. -0.00 min

Lab File: VD059511.D

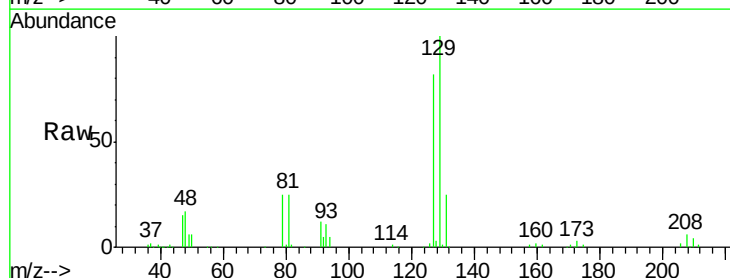
Acq: 2 Jul 2018 19:01

Tgt Ion: 129 Resp: 449319

Ion Ratio Lower Upper

129 100

127 81.6 37.2 111.6



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V

250000

200000

150000

100000

50000

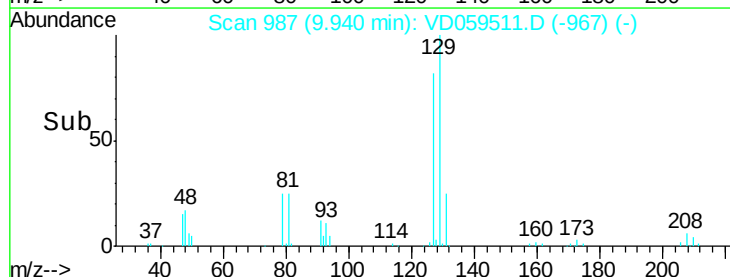
0

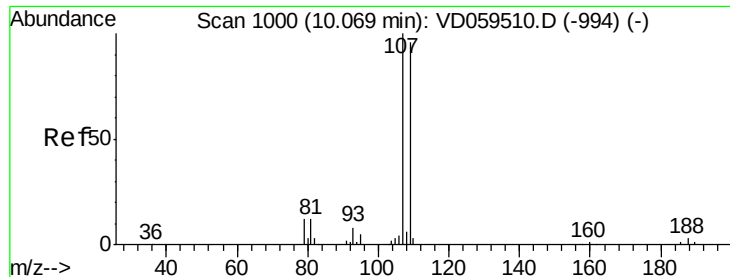
9.80

9.90

10.00

Time-->

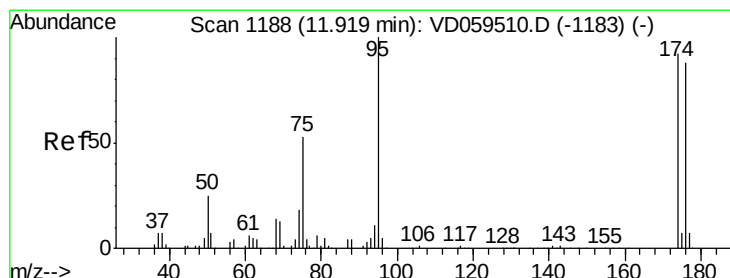
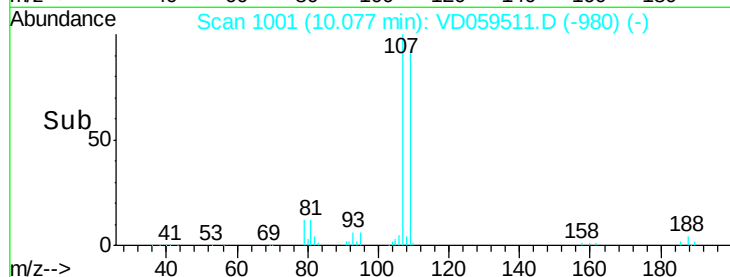
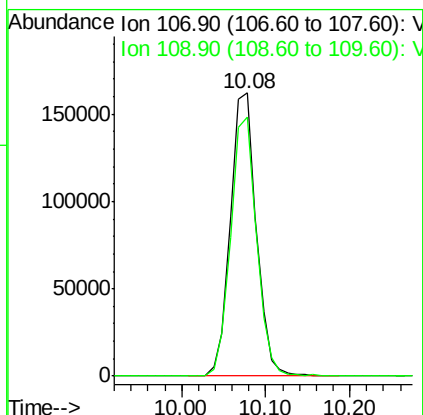
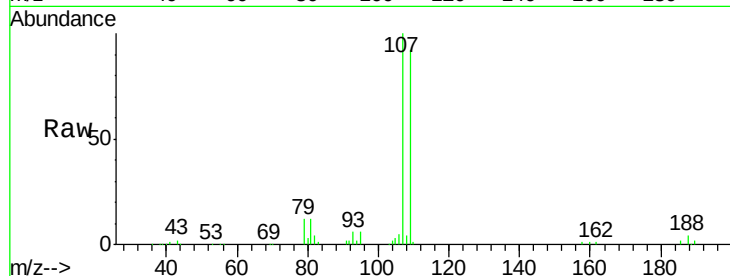




#61
 1,2-Dibromoethane
 Concen: 72.85 ug/l
 RT: 10.08 min Scan# 1001
 Delta R.T. 0.01 min
 Lab File: VD059511.D
 Acq: 2 Jul 2018 19:01

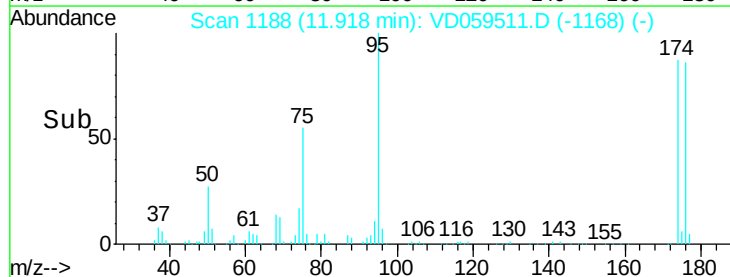
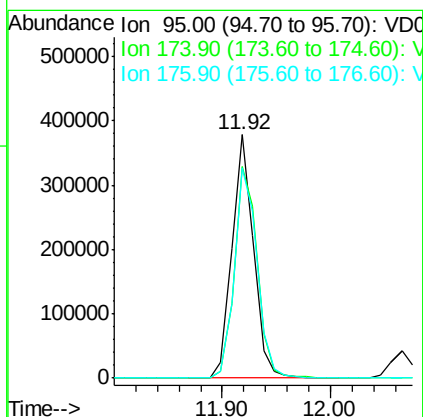
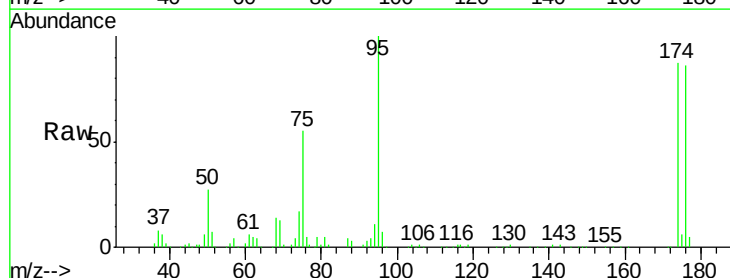
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC075

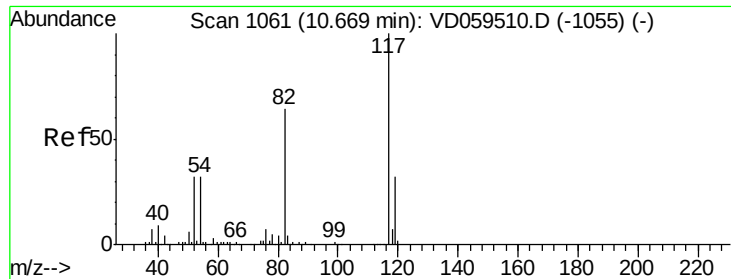
Tot Ion:107 Resp: 347271
 Ion Ratio Lower Upper
 107 100
 109 91.6 76.8 115.2



#62
 4-Bromofluorobenzene
 Concen: 72.85 ug/l
 RT: 11.92 min Scan# 1188
 Delta R.T. -0.00 min
 Lab File: VD059511.D
 Acq: 2 Jul 2018 19:01

Tgt Ion: 95 Resp: 525076
 Ion Ratio Lower Upper
 95 100
 174 87.0 0.0 183.0
 176 86.2 0.0 176.6

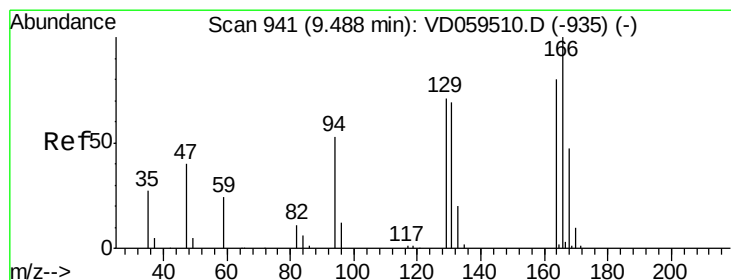
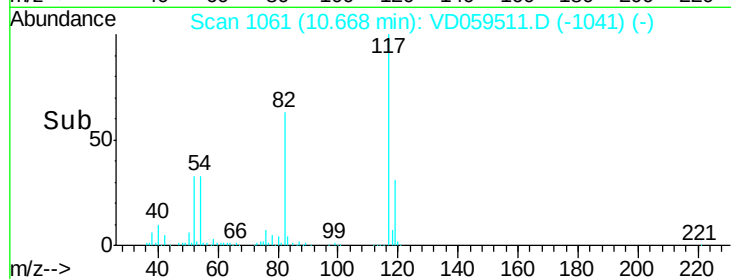
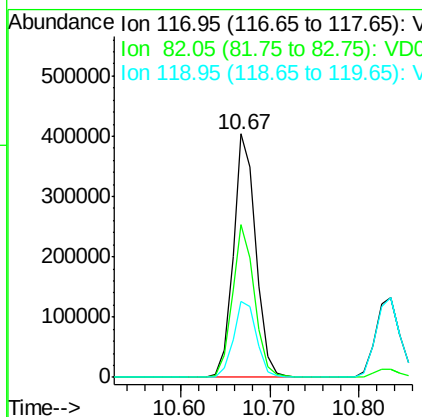
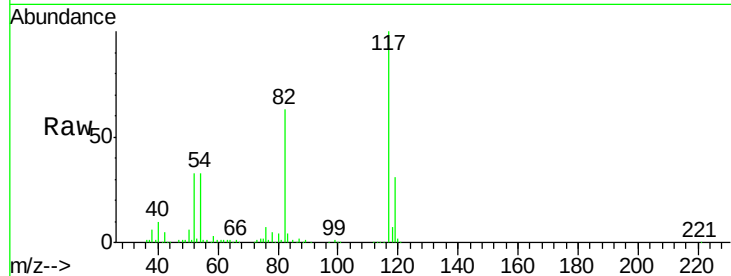




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.67 min Scan# 1061
Delta R.T. -0.00 min
Lab File: VD059511.D
Acq: 2 Jul 2018 19:01

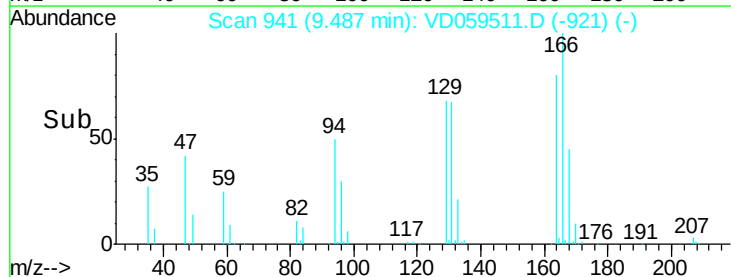
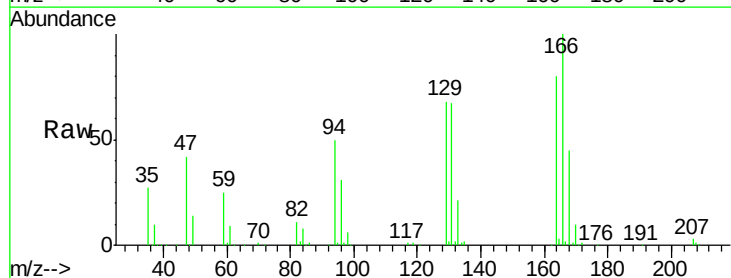
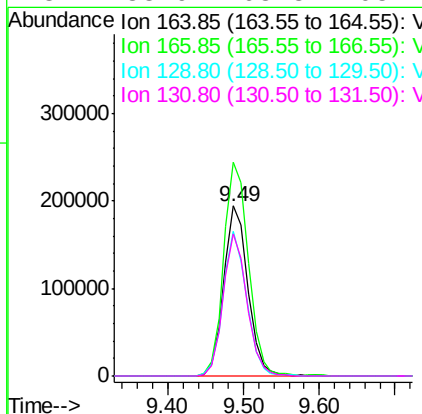
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

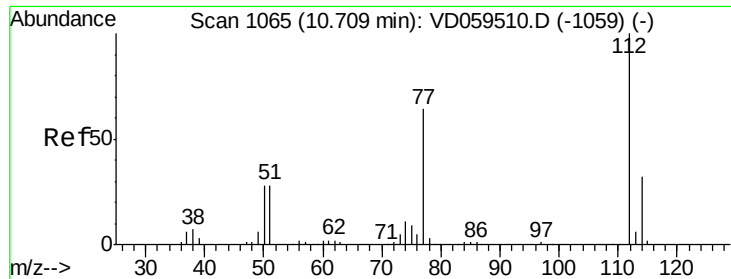
Tot Ion:117 Resp: 714419
Ion Ratio Lower Upper
117 100
82 62.7 51.1 76.7
119 31.3 25.6 38.4



#64
Tetrachloroethene
Concen: 67.11 ug/l
RT: 9.49 min Scan# 941
Delta R.T. -0.00 min
Lab File: VD059511.D
Acq: 2 Jul 2018 19:01

Tgt Ion:164 Resp: 428659
Ion Ratio Lower Upper
164 100
166 125.6 99.5 149.3
129 85.2 70.9 106.3
131 83.9 68.8 103.2

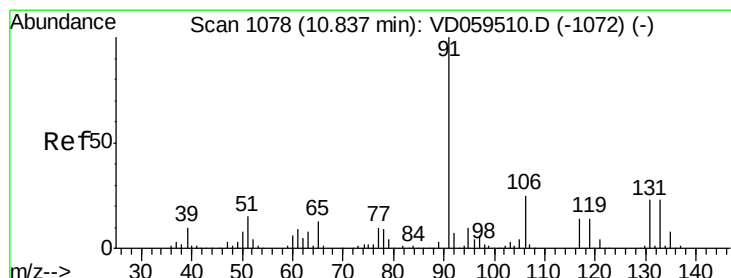
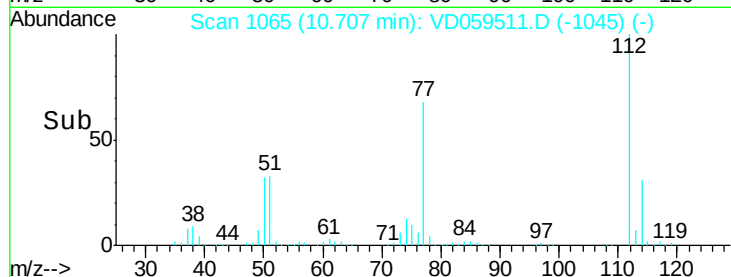
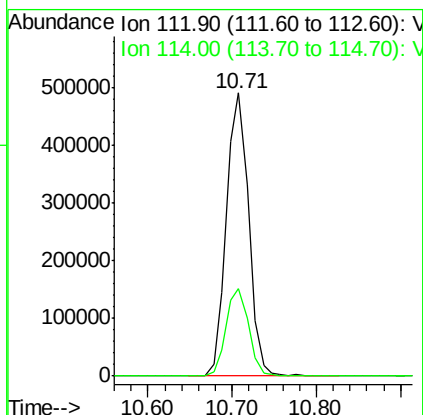
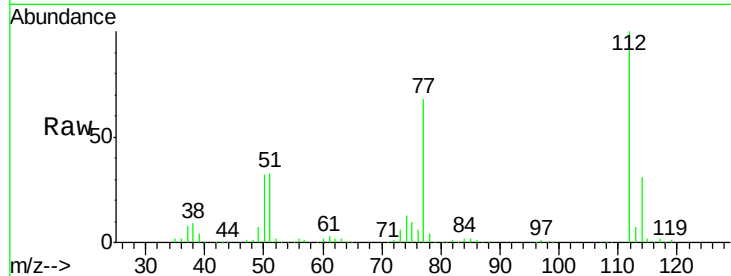




#65
Chlorobenzene
Concen: 67.32 ug/l
RT: 10.71 min Scan# 1065
Delta R.T. -0.00 min
Lab File: VD059511.D
Acq: 2 Jul 2018 19:01

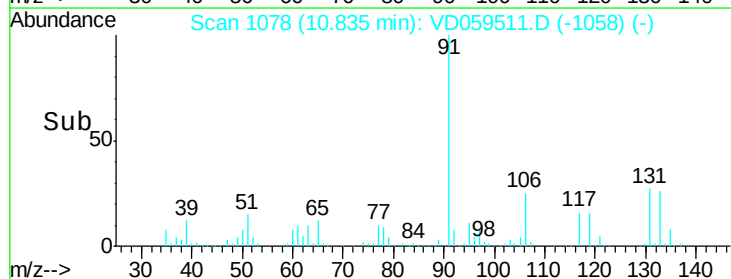
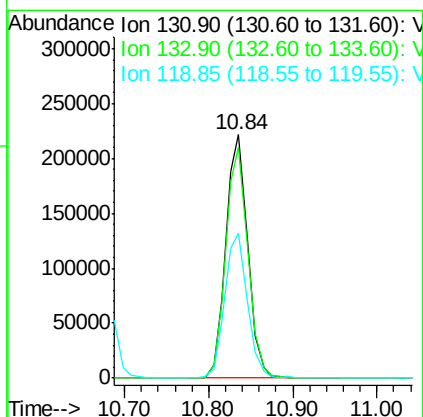
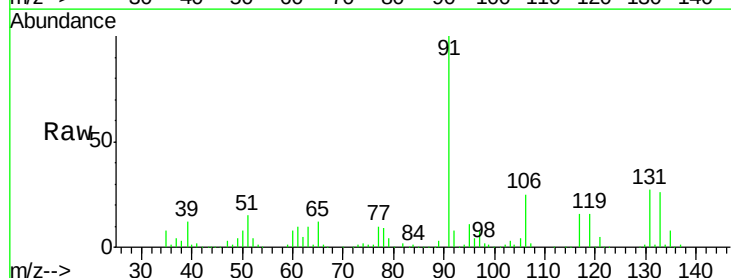
Instrument :
MSVOA_D
ClientSampled :
VSTDIC075

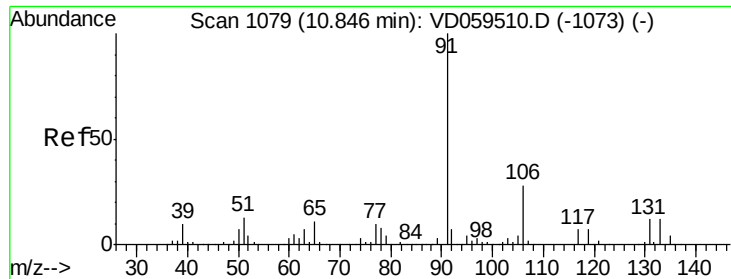
Tot Ion:112 Resp: 904242
Ion Ratio Lower Upper
112 100
114 31.0 25.4 38.2



#66
1,1,1,2-Tetrachloroethane
Concen: 78.43 ug/l
RT: 10.84 min Scan# 1078
Delta R.T. -0.00 min
Lab File: VD059511.D
Acq: 2 Jul 2018 19:01

Tgt Ion:131 Resp: 398229
Ion Ratio Lower Upper
131 100
133 94.9 48.9 146.6
119 59.4 30.7 92.1





#67

Ethyl Benzene

Concen: 72.75 ug/l

RT: 10.85 min Scan# 1079

Delta R.T. -0.00 min

Lab File: VD059511.D

Acq: 2 Jul 2018 19:01

Instrument :

MSVOA_D

ClientSampleID :

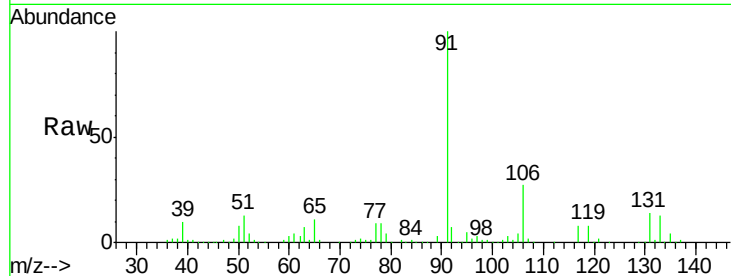
VSTDIC075

Tot Ion: 91 Resp: 1638868

Ion Ratio Lower Upper

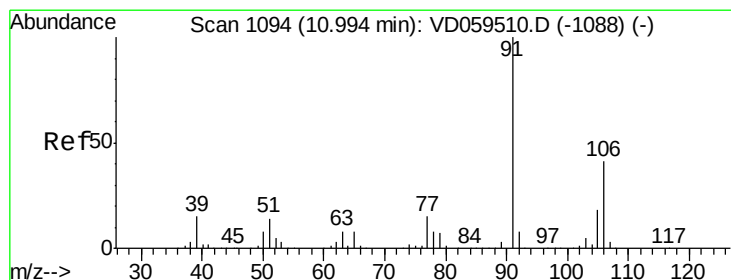
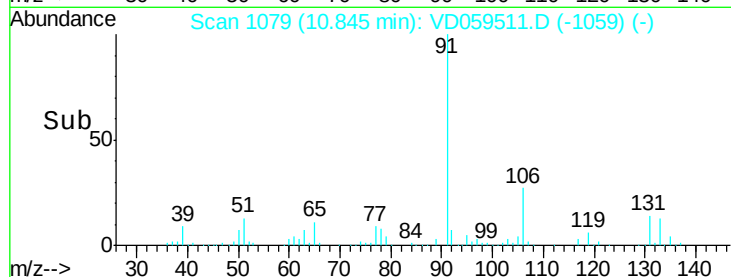
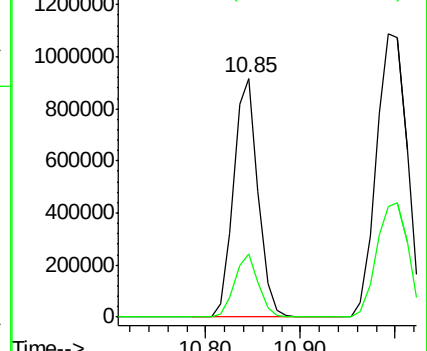
91 100

106 26.7 22.2 33.2



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 106.05 (105.75 to 106.75): V



#68

m/p-Xylenes

Concen: 135.19 ug/l

RT: 11.00 min Scan# 1095

Delta R.T. 0.01 min

Lab File: VD059511.D

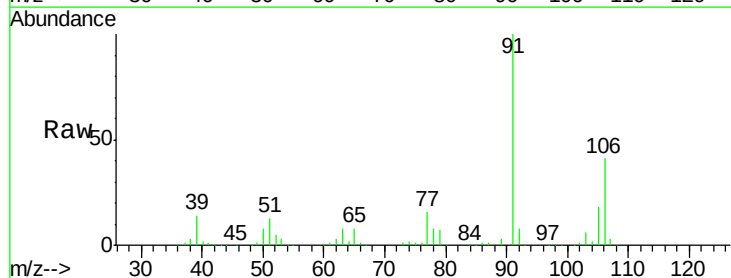
Acq: 2 Jul 2018 19:01

Tgt Ion: 106 Resp: 1017103

Ion Ratio Lower Upper

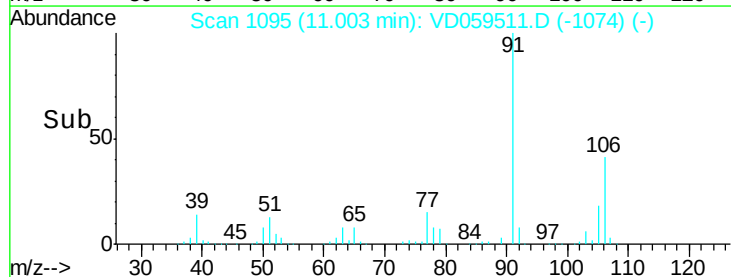
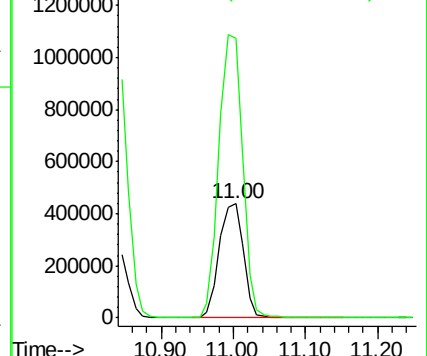
106 100

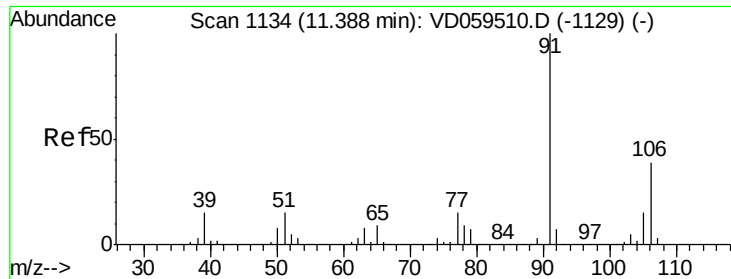
91 244.9 194.1 291.1



Abundance Ion 106.05 (105.75 to 106.75): V

Ion 91.00 (90.70 to 91.70): VDC

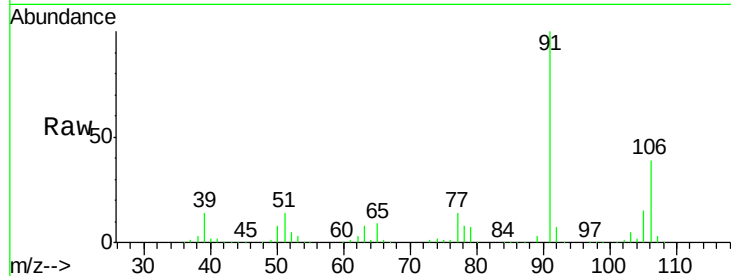




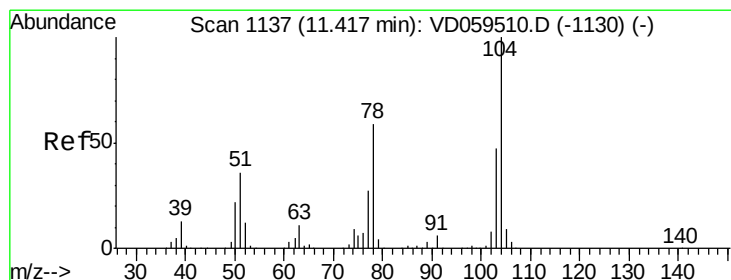
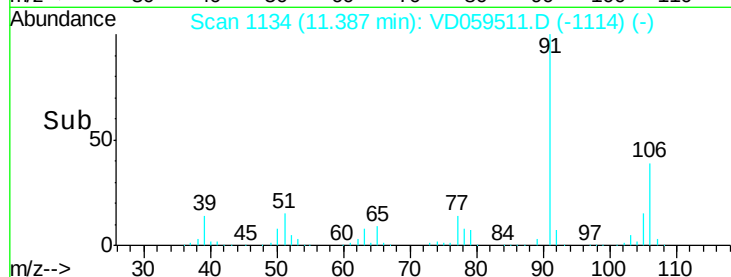
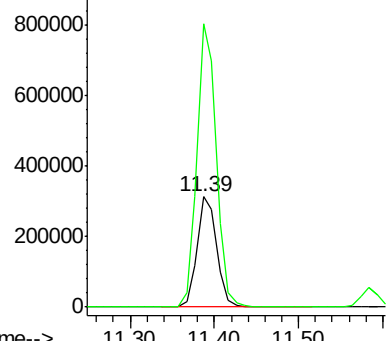
#69
o-Xylene
Concen: 68.20 ug/l
RT: 11.39 min Scan# 1134
Delta R.T. -0.00 min
Lab File: VD059511.D
Acq: 2 Jul 2018 19:01

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

Tot Ion:106 Resp: 504814
Ion Ratio Lower Upper
106 100
91 256.6 127.0 381.0

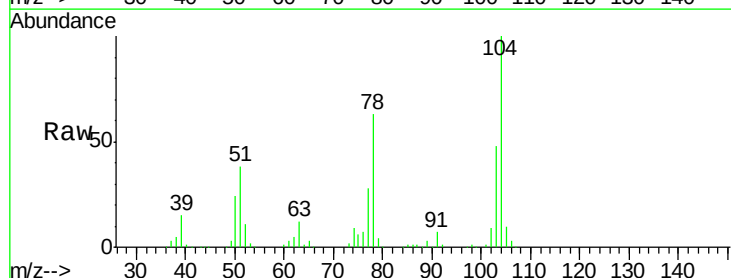


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): VDC

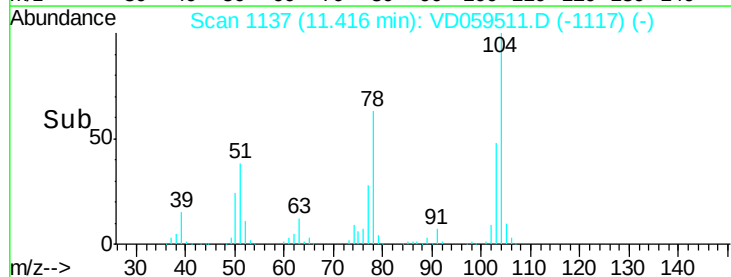
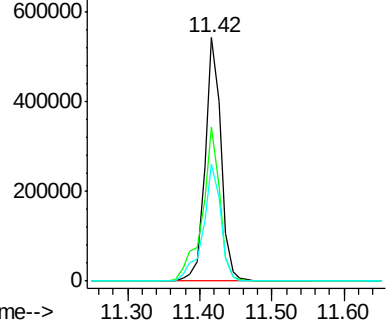


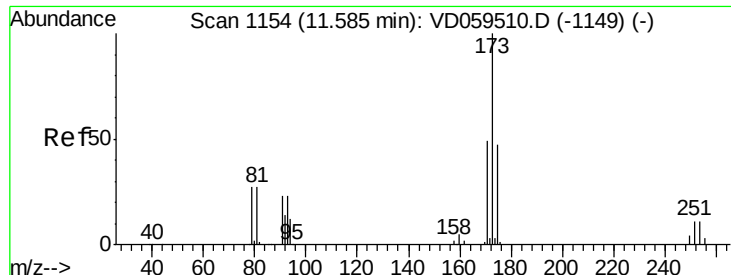
#70
Styrene
Concen: 65.81 ug/l
RT: 11.42 min Scan# 1137
Delta R.T. -0.00 min
Lab File: VD059511.D
Acq: 2 Jul 2018 19:01

Tgt Ion:104 Resp: 827911
Ion Ratio Lower Upper
104 100
78 63.2 47.6 71.4
103 47.9 37.6 56.4



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

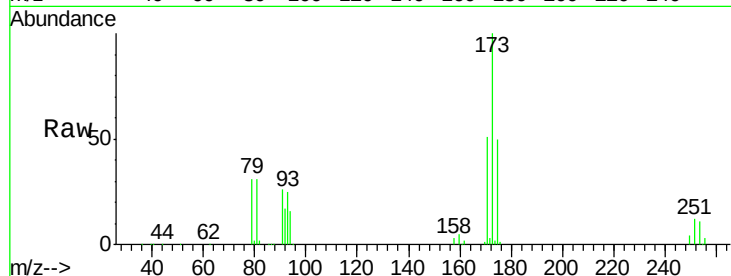




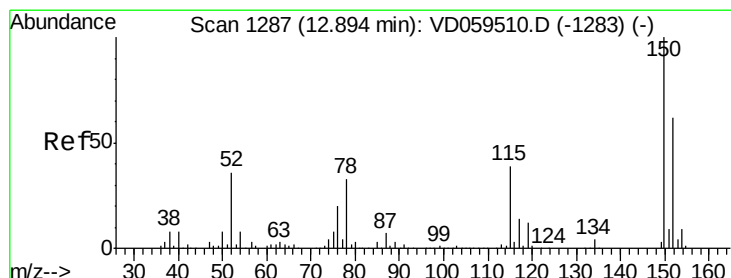
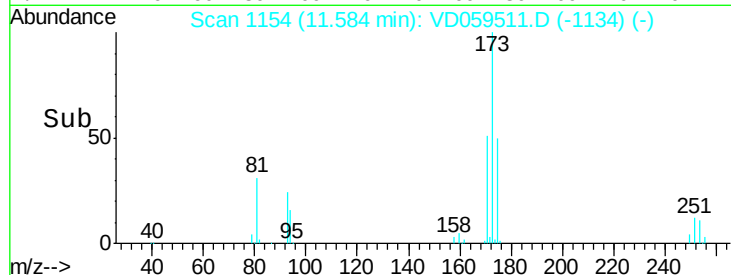
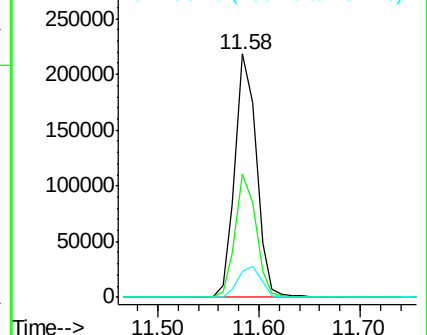
#71
Bromoform
Concen: 76.57 ug/l
RT: 11.58 min Scan# 1154
Delta R.T. -0.00 min
Lab File: VD059511.D
Acq: 2 Jul 2018 19:01

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

Tot Ion:173 Resp: 323436
Ion Ratio Lower Upper
173 100
175 50.4 23.3 69.8
254 10.8 9.0 13.6

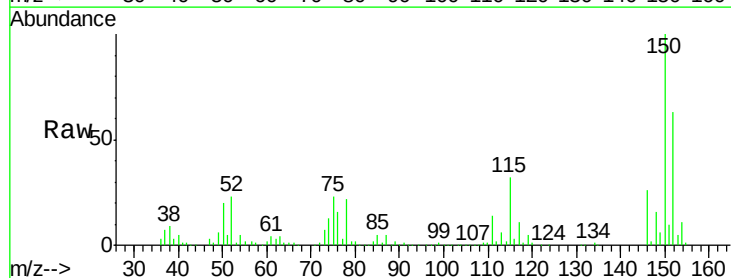


Abundance Ion 172.80 (172.50 to 173.50): V
Ion 174.80 (174.50 to 175.50): V
Ion 253.70 (253.40 to 254.40): V

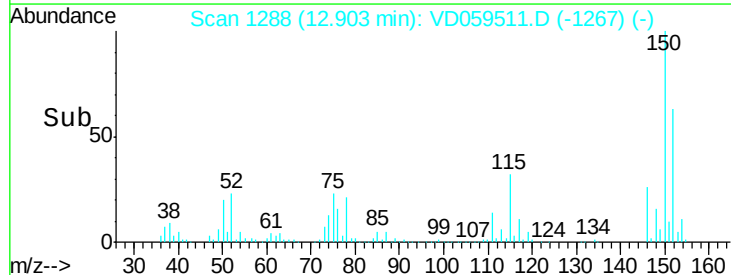
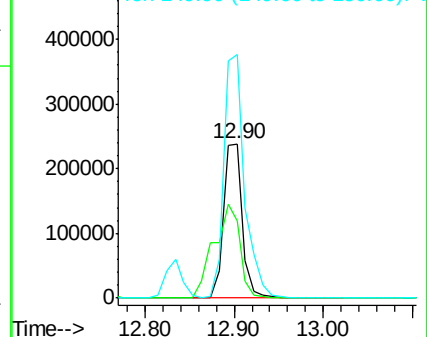


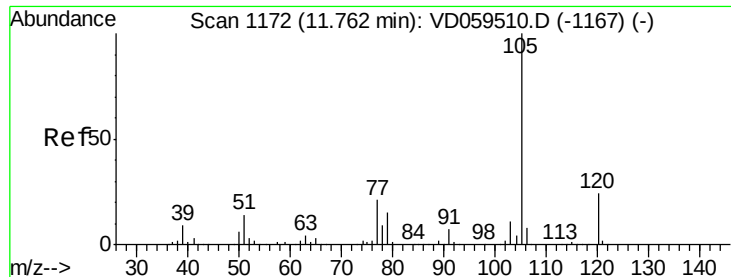
#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.90 min Scan# 1288
Delta R.T. 0.01 min
Lab File: VD059511.D
Acq: 2 Jul 2018 19:01

Tgt Ion:152 Resp: 352359
Ion Ratio Lower Upper
152 100
115 49.8 31.3 93.9
150 157.7 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: 70.13 ug/l

RT: 11.76 min Scan# 1172

Delta R.T. -0.00 min

Lab File: VD059511.D

Acq: 2 Jul 2018 19:01

Instrument :

MSVOA_D

ClientSampleId :

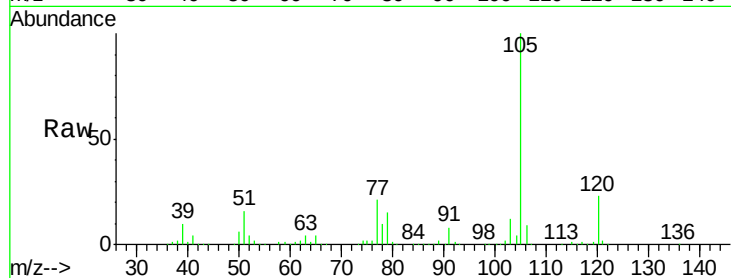
VSTDIC075

Tot Ion:105 Resp: 1441906

Ion Ratio Lower Upper

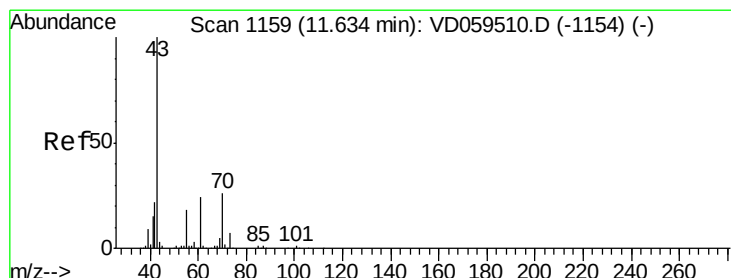
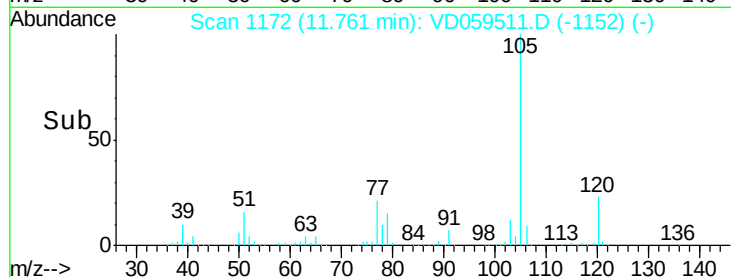
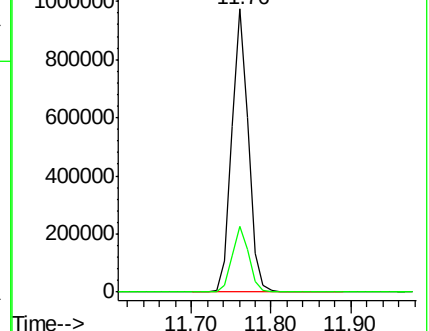
105 100

120 23.2 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: 83.17 ug/l

RT: 11.63 min Scan# 1159

Delta R.T. -0.00 min

Lab File: VD059511.D

Acq: 2 Jul 2018 19:01

Tgt Ion: 43 Resp: 664816

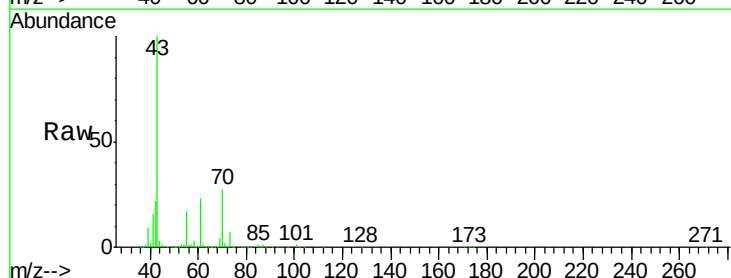
Ion Ratio Lower Upper

43 100

70 26.7 20.6 31.0

55 16.8 14.4 21.6

61 22.5 19.2 28.8

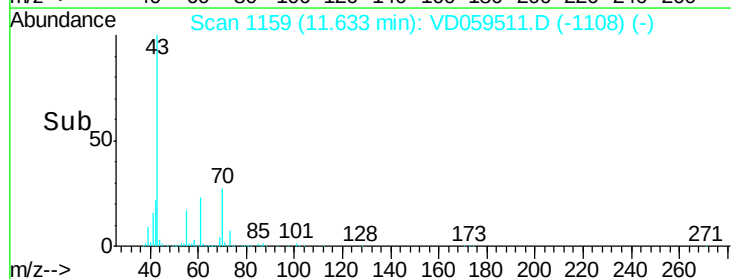
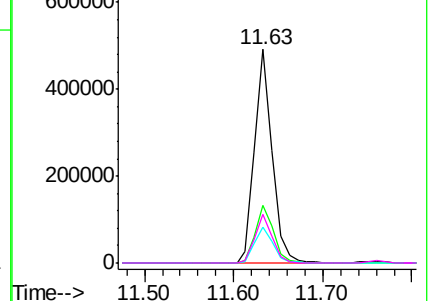


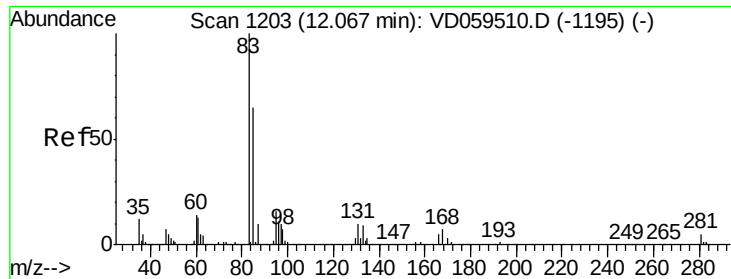
Abundance Ion 42.95 (42.65 to 43.65): VDC

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: 74.64 ug/l

RT: 12.07 min Scan# 1203

Delta R.T. -0.00 min

Lab File: VD059511.D

Acq: 2 Jul 2018 19:01

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC075

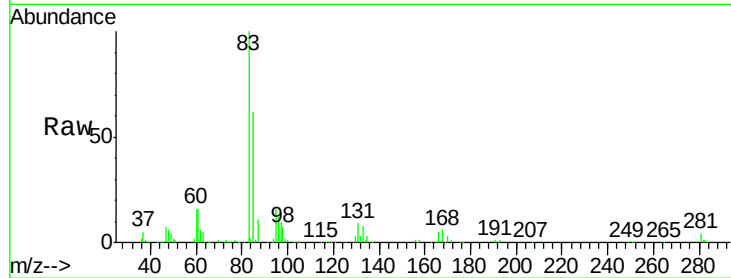
Tot Ion: 83 Resp: 367035

Ion Ratio Lower Upper

83 100

131 8.8 5.0 15.0

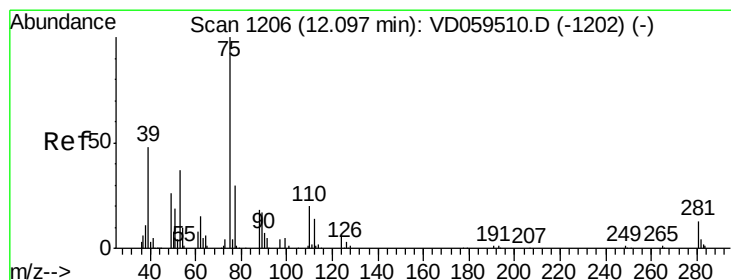
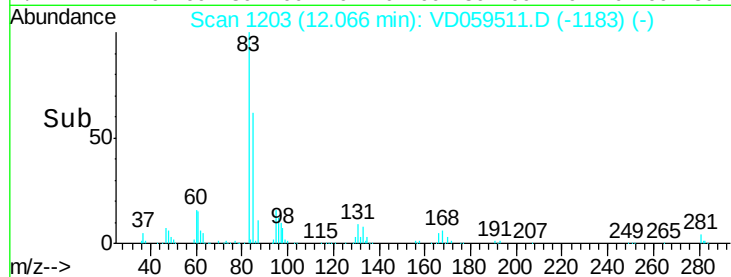
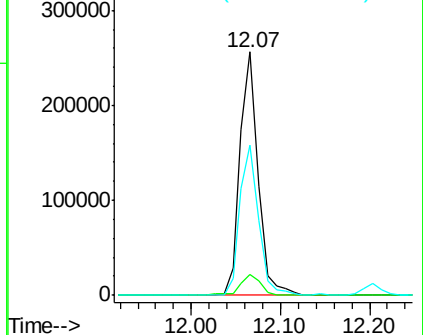
85 61.9 32.3 96.8



Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 130.90 (130.60 to 131.60): VDC

Ion 84.95 (84.65 to 85.65): VDC



#76

1,2,3-Trichloropropane

Concen: 79.74 ug/l

RT: 12.10 min Scan# 1206

Delta R.T. -0.00 min

Lab File: VD059511.D

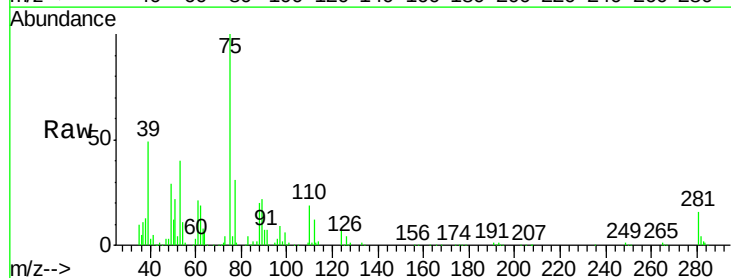
Acq: 2 Jul 2018 19:01

Tgt Ion: 75 Resp: 406413

Ion Ratio Lower Upper

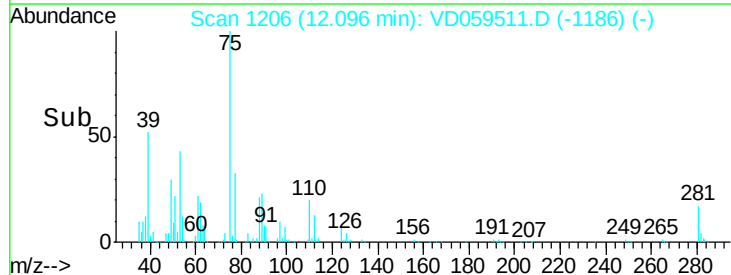
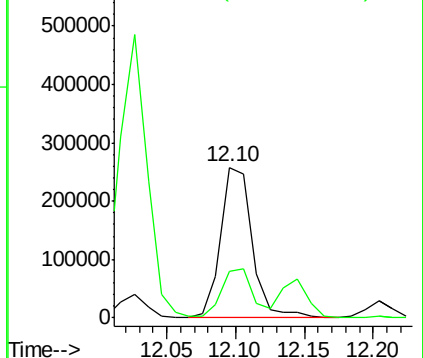
75 100

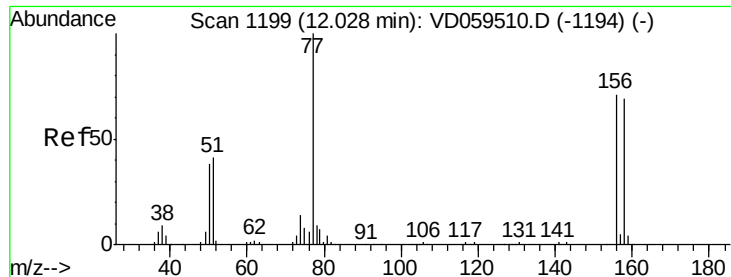
77 31.1 16.4 49.2



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 70.48 ug/l

RT: 12.03 min Scan# 1199

Delta R.T. -0.00 min

Lab File: VD059511.D

Acq: 2 Jul 2018 19:01

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC075

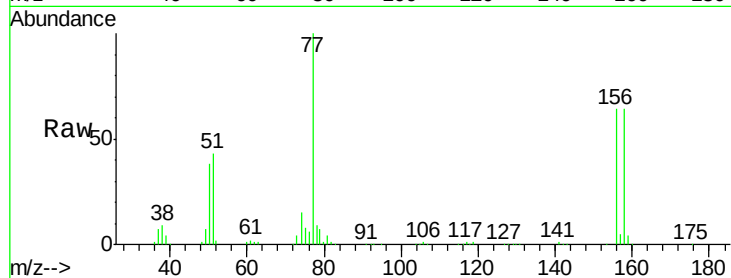
Tot Ion:156 Resp: 454116

Ion Ratio Lower Upper

156 100

77 156.4 70.0 210.0

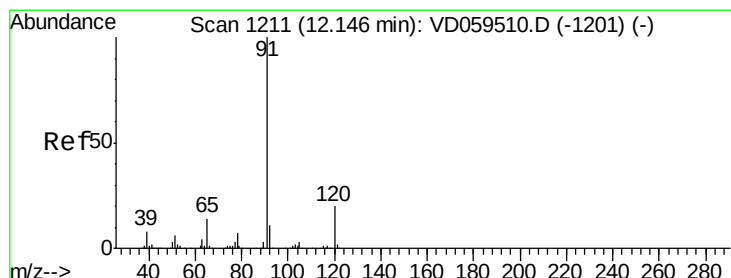
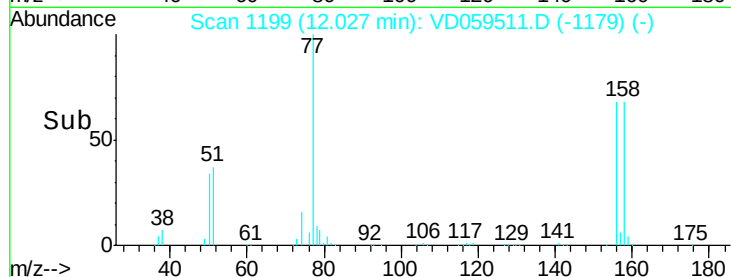
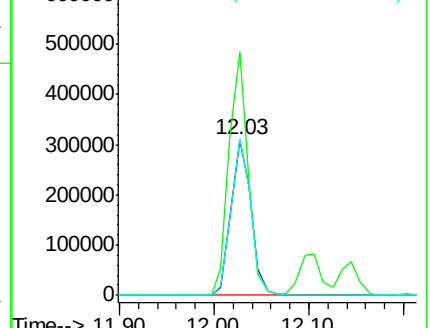
158 100.8 48.3 144.9



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: 71.03 ug/l

RT: 12.14 min Scan# 1211

Delta R.T. -0.00 min

Lab File: VD059511.D

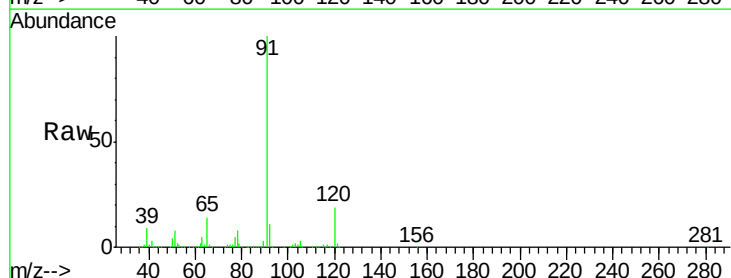
Acq: 2 Jul 2018 19:01

Tgt Ion: 91 Resp: 1873484

Ion Ratio Lower Upper

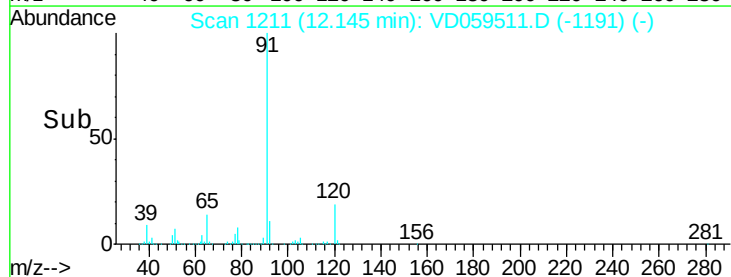
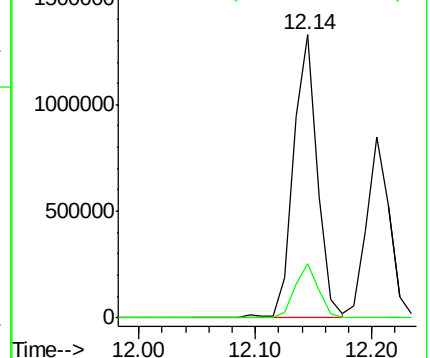
91 100

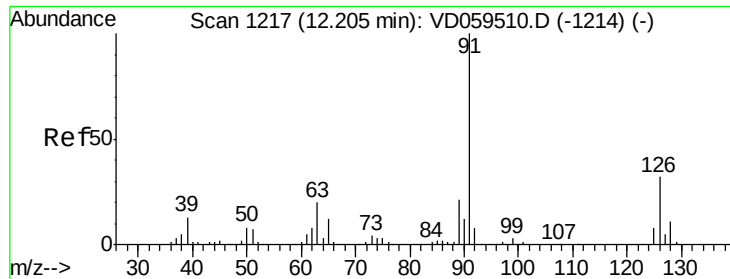
120 19.0 10.0 29.8



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V

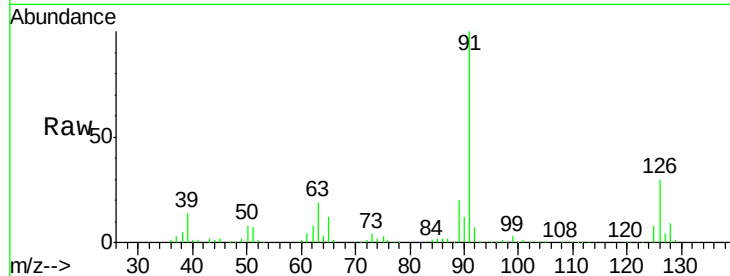




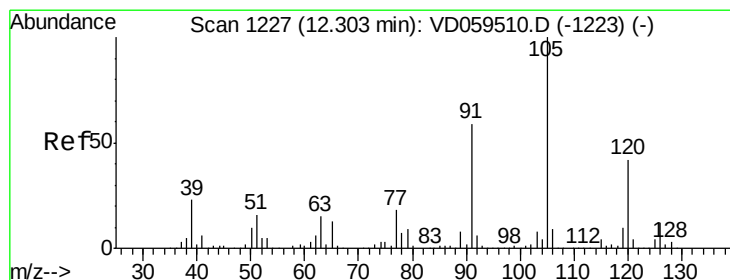
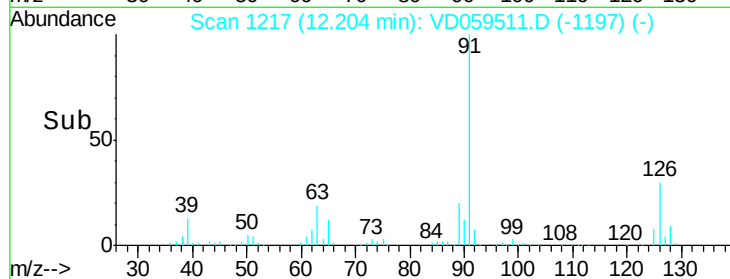
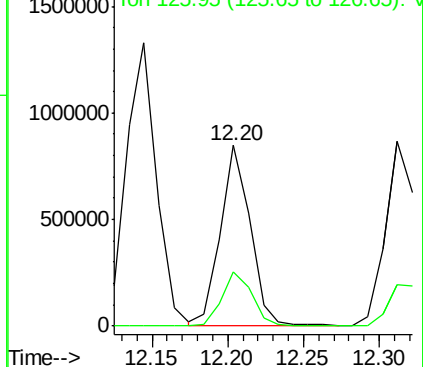
#79
 2-Chlorotoluene
 Concen: 75.09 ug/l
 RT: 12.20 min Scan# 1217
 Delta R.T. -0.00 min
 Lab File: VD059511.D
 Acq: 2 Jul 2018 19:01

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC075

Tot Ion: 91 Resp: 1155678
 Ion Ratio Lower Upper
 91 100
 126 29.8 15.9 47.6

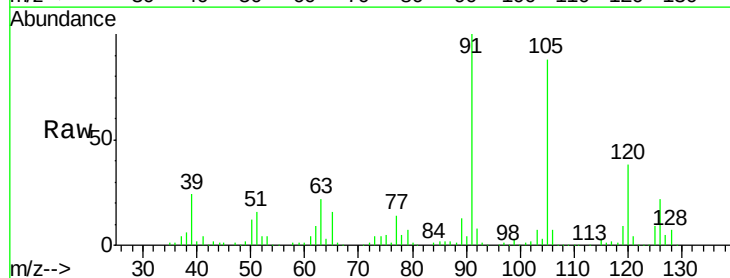


Abundance Ion 91.00 (90.70 to 91.70): V
 Ion 125.95 (125.65 to 126.65): V

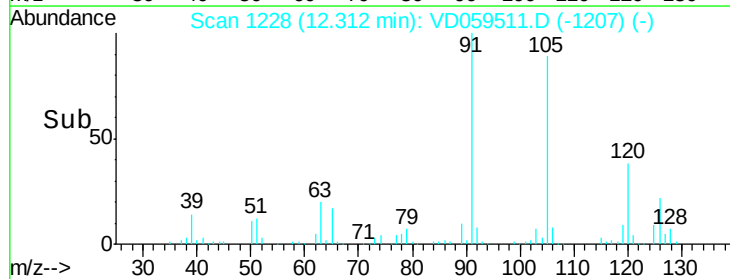
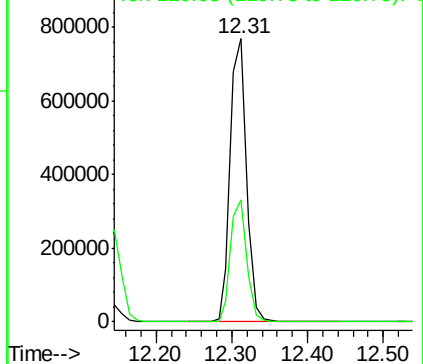


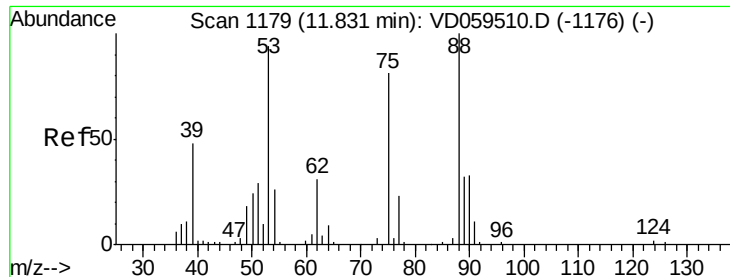
#80
 1,3,5-Trimethylbenzene
 Concen: 69.13 ug/l
 RT: 12.31 min Scan# 1228
 Delta R.T. 0.01 min
 Lab File: VD059511.D
 Acq: 2 Jul 2018 19:01

Tgt Ion: 105 Resp: 1140079
 Ion Ratio Lower Upper
 105 100
 120 43.1 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: 91.92 ug/l

RT: 11.83 min Scan# 1179

Delta R.T. -0.00 min

Lab File: VD059511.D

Acq: 2 Jul 2018 19:01

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC075

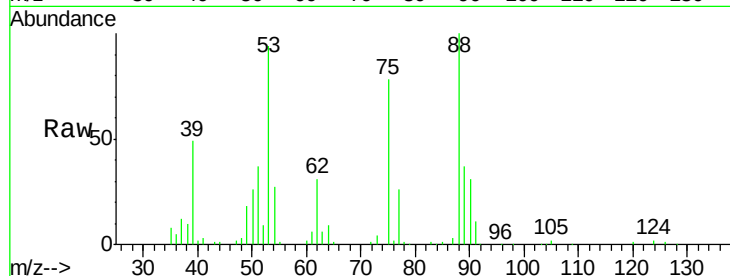
Tot Ion: 75 Resp: 109033

Ion Ratio Lower Upper

75 100

53 119.2 92.6 139.0

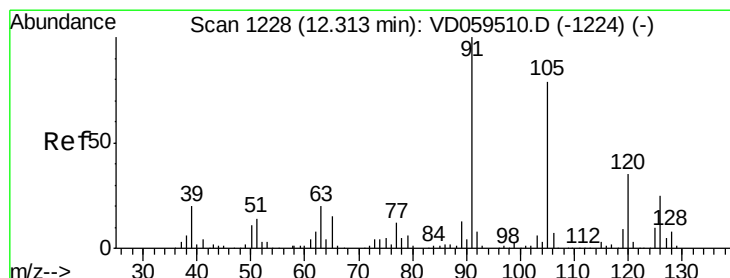
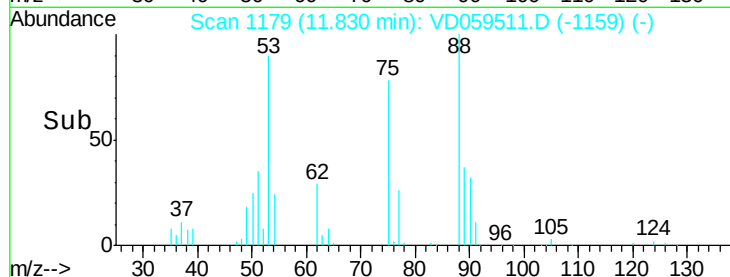
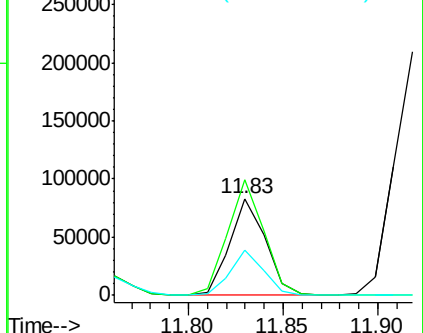
89 46.9 31.5 47.3



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: 69.41 ug/l

RT: 12.31 min Scan# 1228

Delta R.T. -0.00 min

Lab File: VD059511.D

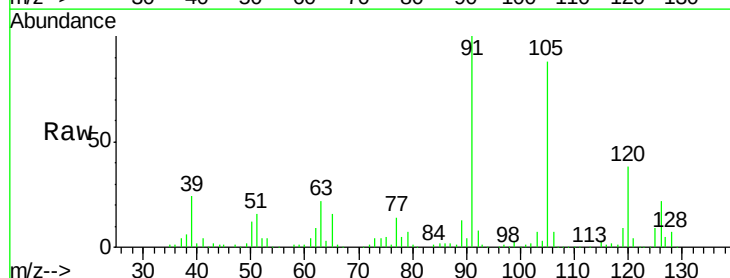
Acq: 2 Jul 2018 19:01

Tgt Ion: 91 Resp: 1222312

Ion Ratio Lower Upper

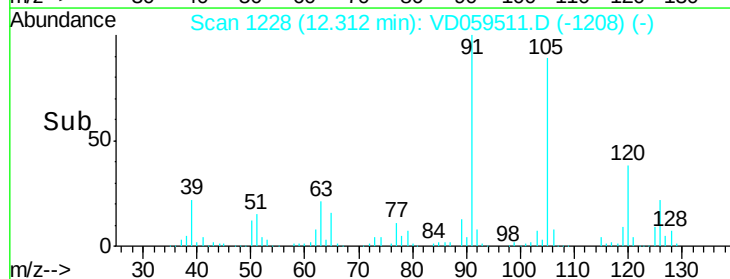
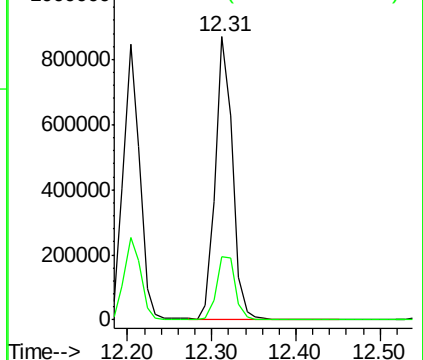
91 100

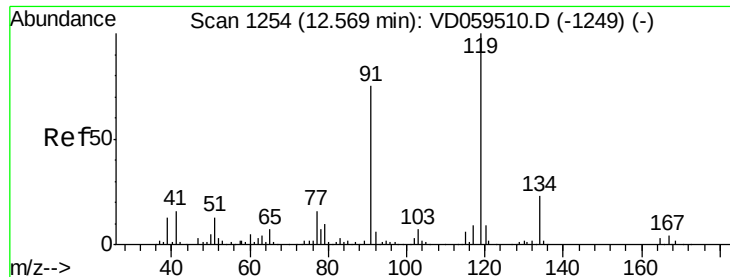
126 22.4 12.3 36.9



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.95 (125.65 to 126.65): V

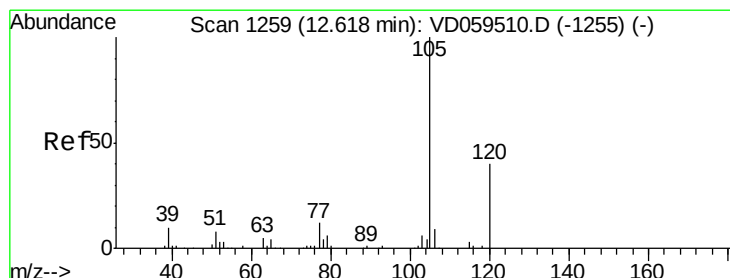
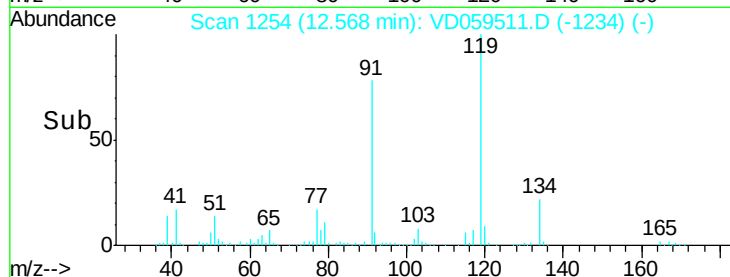
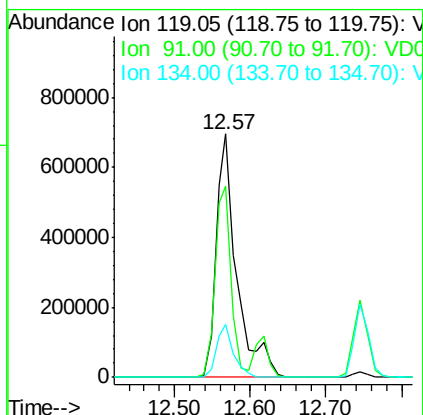
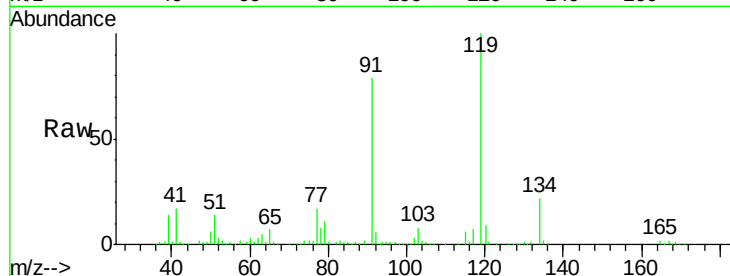




#83
 tert-Butylbenzene
 Concen: 74.60 ug/l
 RT: 12.57 min Scan# 1254
 Delta R.T. -0.00 min
 Lab File: VD059511.D
 Acq: 2 Jul 2018 19:01

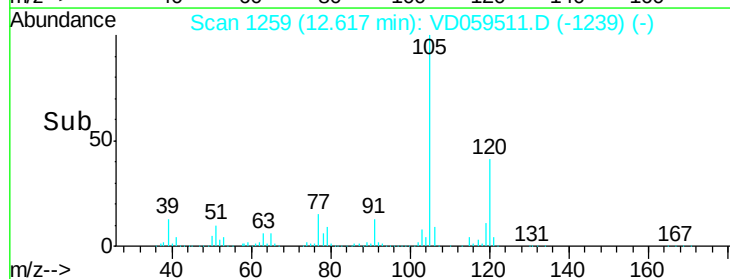
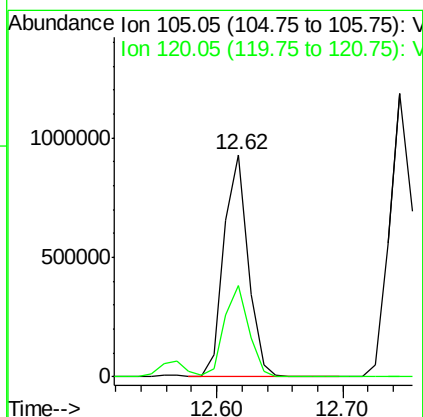
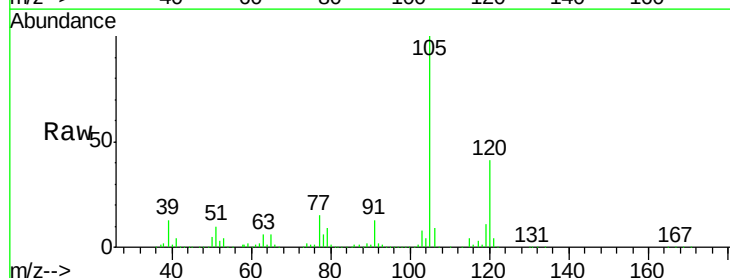
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC075

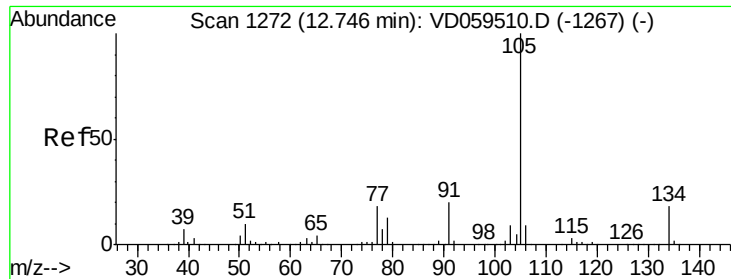
Tot Ion:119 Resp: 1323569
 Ion Ratio Lower Upper
 119 100
 91 78.7 37.8 113.3
 134 21.7 11.5 34.4



#84
 1,2,4-Trimethylbenzene
 Concen: 70.77 ug/l
 RT: 12.62 min Scan# 1259
 Delta R.T. -0.00 min
 Lab File: VD059511.D
 Acq: 2 Jul 2018 19:01

Tgt Ion:105 Resp: 1230280
 Ion Ratio Lower Upper
 105 100
 120 41.4 21.1 63.3





#85

sec-Butylbenzene

Concen: 73.65 ug/l

RT: 12.75 min Scan# 1272

Delta R.T. -0.00 min

Lab File: VD059511.D

Acq: 2 Jul 2018 19:01

Instrument :

MSVOA_D

ClientSampleId :

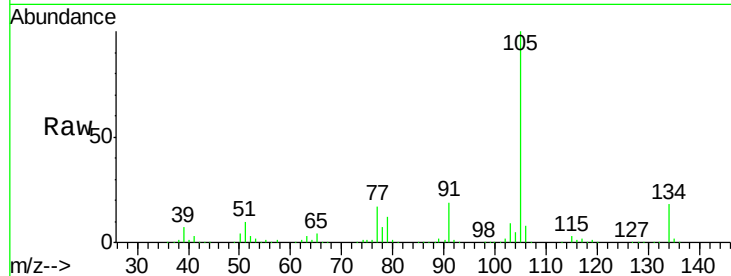
VSTDIC075

Tot Ion:105 Resp: 1554969

Ion Ratio Lower Upper

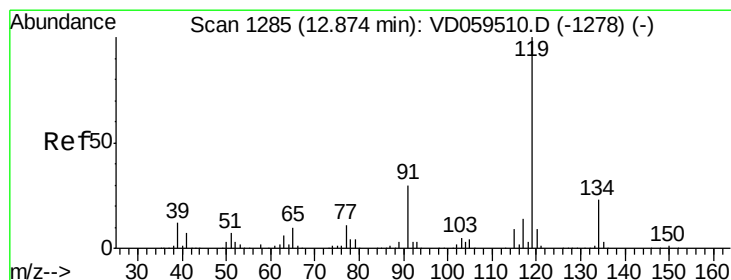
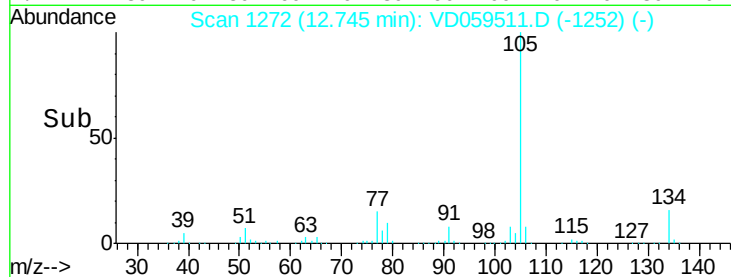
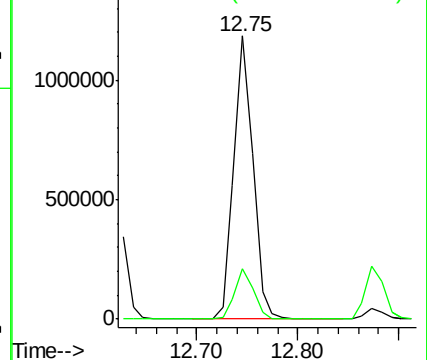
105 100

134 17.7 8.8 26.4



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 134.10 (133.80 to 134.80): V



#86

p-Isopropyltoluene

Concen: 70.53 ug/l

RT: 12.87 min Scan# 1285

Delta R.T. -0.00 min

Lab File: VD059511.D

Acq: 2 Jul 2018 19:01

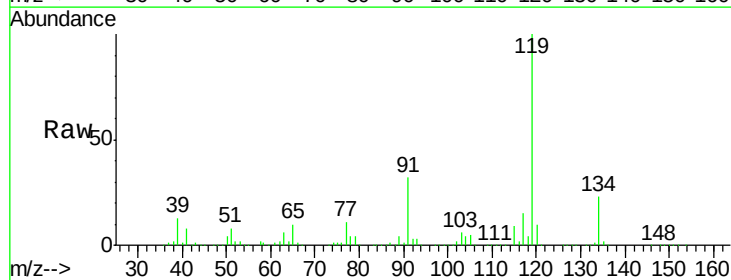
Tgt Ion:119 Resp: 1226271

Ion Ratio Lower Upper

119 100

134 23.1 11.6 34.8

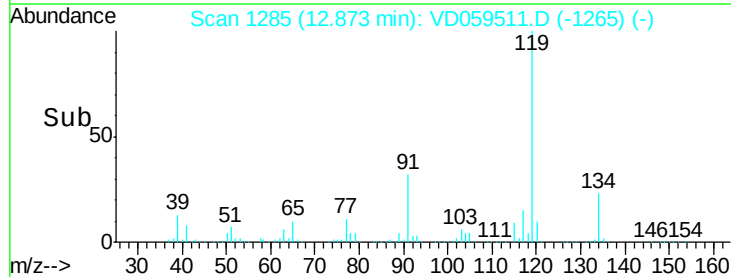
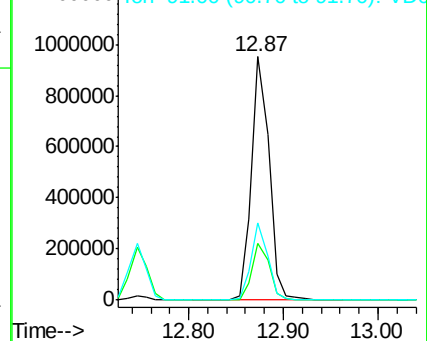
91 31.7 15.3 45.8

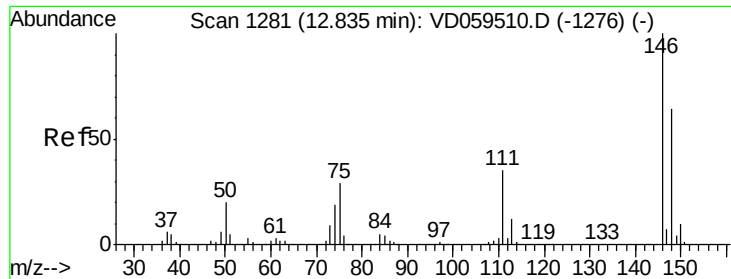


Abundance Ion 119.05 (118.75 to 119.75): V

Ion 134.10 (133.80 to 134.80): V

Ion 91.00 (90.70 to 91.70): V

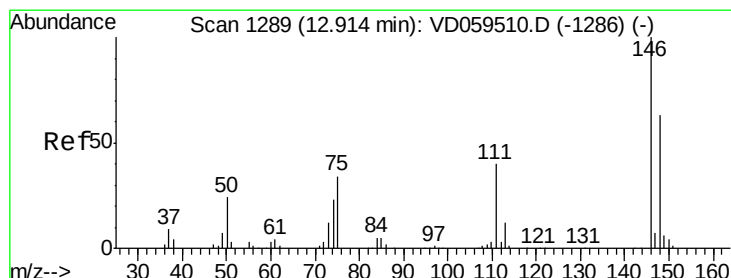
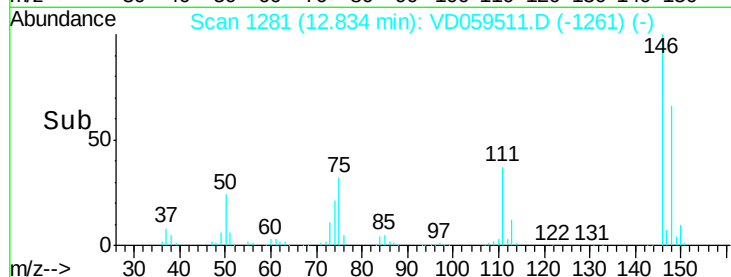
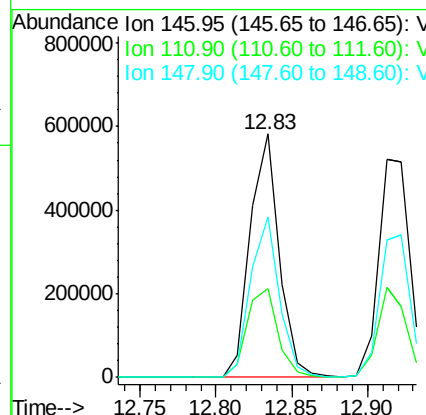
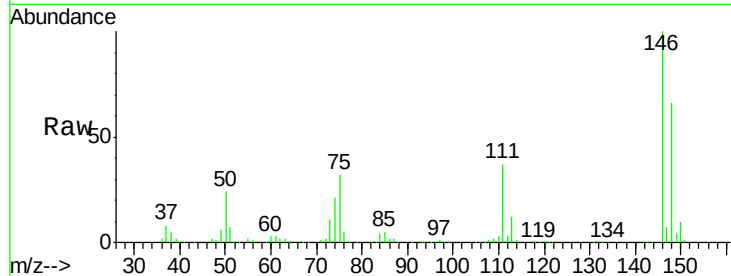




#87
 1,3-Dichlorobenzene
 Concen: 72.77 ug/l
 RT: 12.83 min Scan# 1281
 Delta R.T. -0.00 min
 Lab File: VD059511.D
 Acq: 2 Jul 2018 19:01

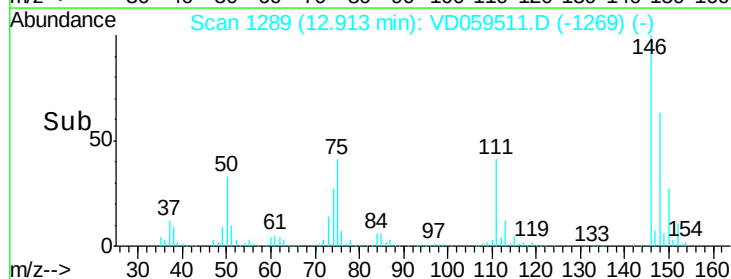
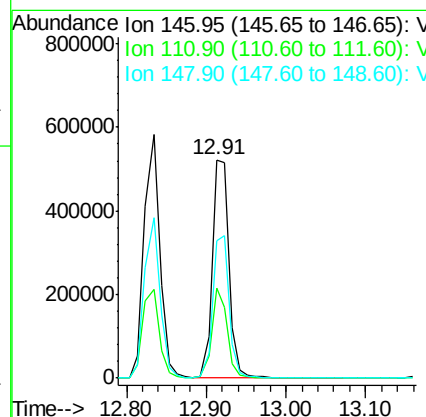
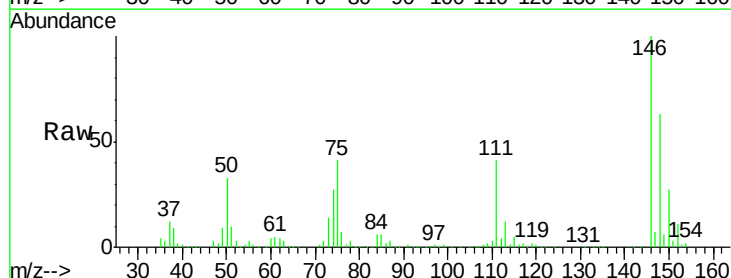
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC075

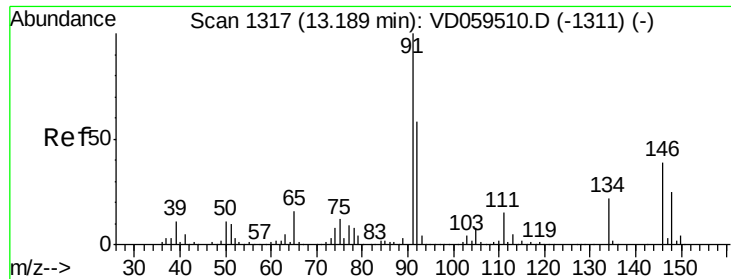
Tot Ion:146 Resp: 780921
 Ion Ratio Lower Upper
 146 100
 111 36.6 17.6 52.9
 148 65.8 32.0 96.2



#88
 1,4-Dichlorobenzene
 Concen: 73.15 ug/l
 RT: 12.91 min Scan# 1289
 Delta R.T. -0.00 min
 Lab File: VD059511.D
 Acq: 2 Jul 2018 19:01

Tgt Ion:146 Resp: 772606
 Ion Ratio Lower Upper
 146 100
 111 41.4 20.0 59.9
 148 63.0 31.7 95.1

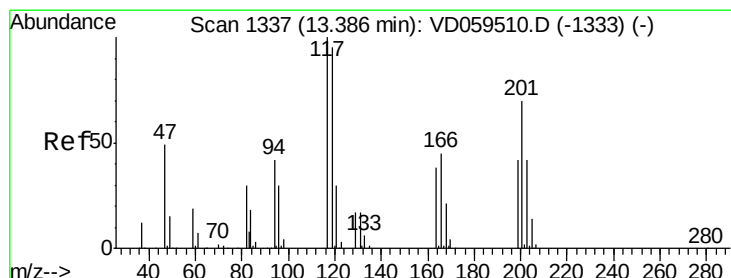
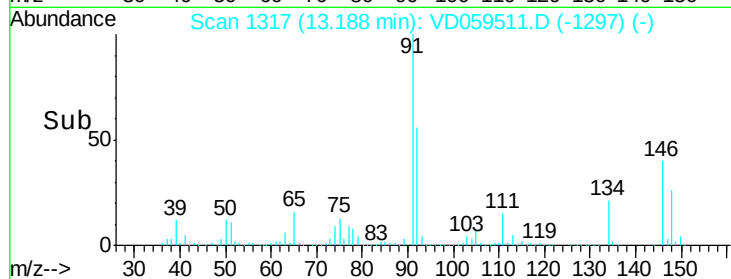
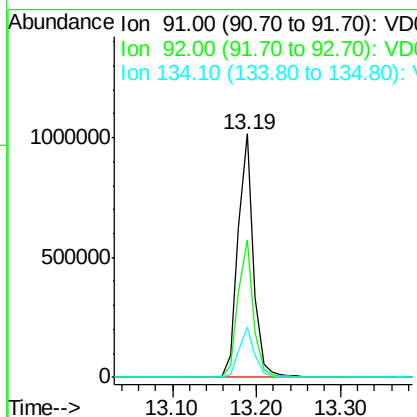
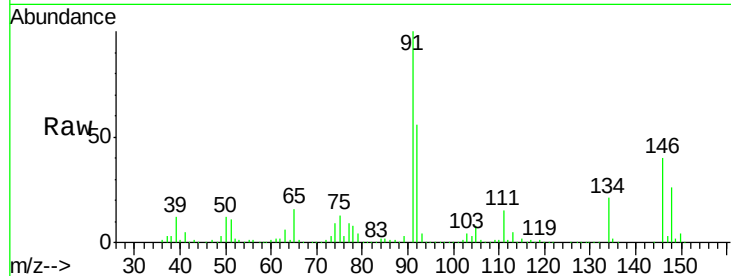




#89
n-Butylbenzene
Concen: 74.69 ug/l
RT: 13.19 min Scan# 1317
Delta R.T. -0.00 min
Lab File: VD059511.D
Acq: 2 Jul 2018 19:01

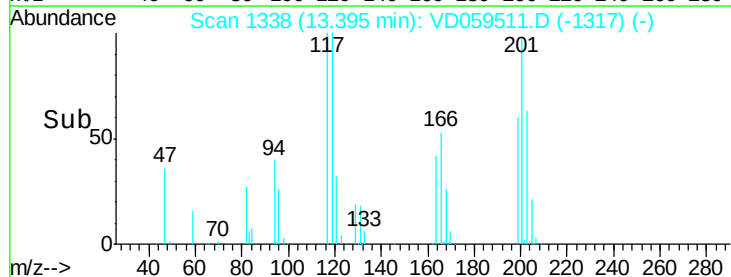
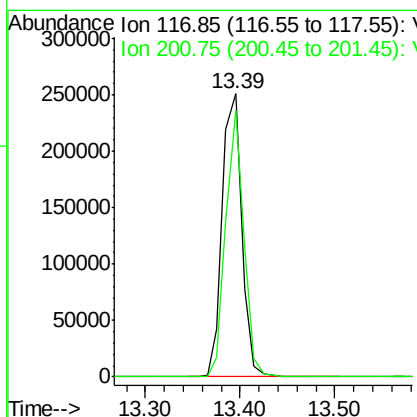
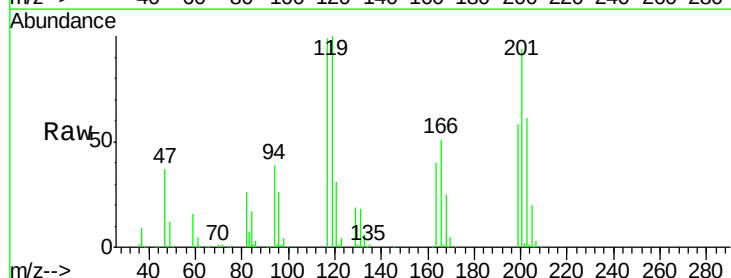
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

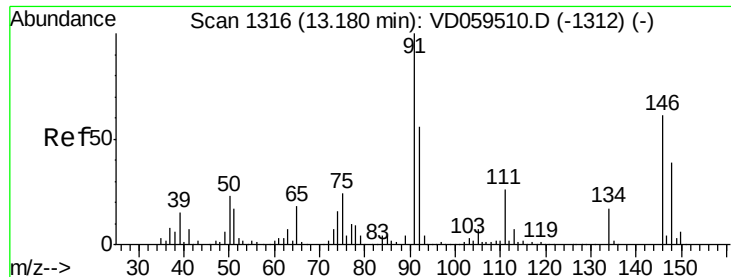
Tot Ion: 91 Resp: 1294889
Ion Ratio Lower Upper
91 100
92 56.3 28.9 86.7
134 20.9 11.3 33.8



#90
Hexachloroethane
Concen: 82.26 ug/l
RT: 13.39 min Scan# 1338
Delta R.T. 0.01 min
Lab File: VD059511.D
Acq: 2 Jul 2018 19:01

Tgt Ion: 117 Resp: 359077
Ion Ratio Lower Upper
117 100
201 94.4 35.2 105.6

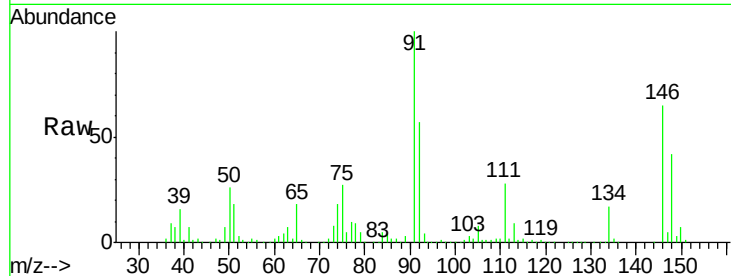




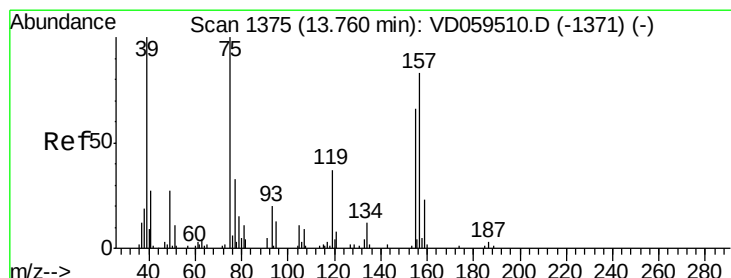
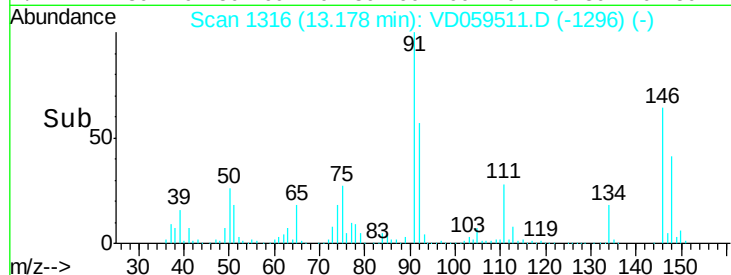
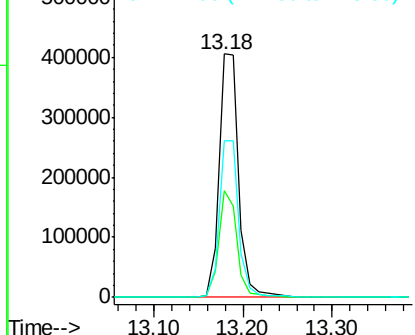
#91
 1,2-Dichlorobenzene
 Concen: 68.68 ug/l
 RT: 13.18 min Scan# 1316
 Delta R.T. -0.00 min
 Lab File: VD059511.D
 Acq: 2 Jul 2018 19:01

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC075

Tot Ion:146 Resp: 624821
 Ion Ratio Lower Upper
 146 100
 111 43.8 21.3 63.9
 148 64.5 32.4 97.0

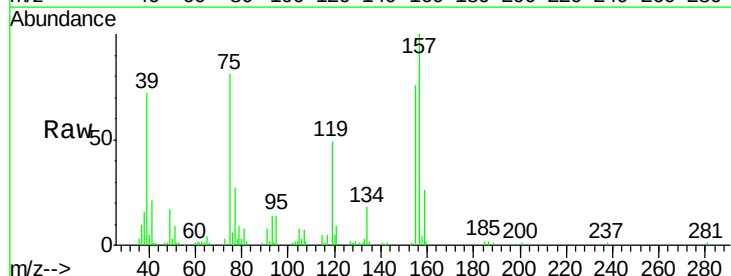


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

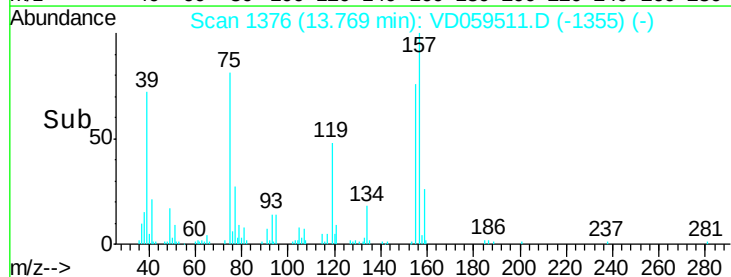
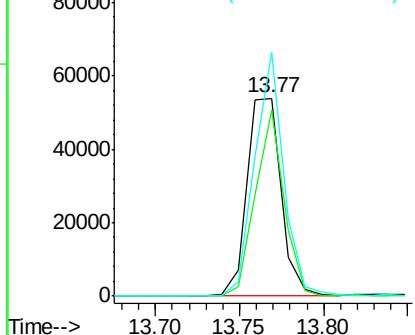


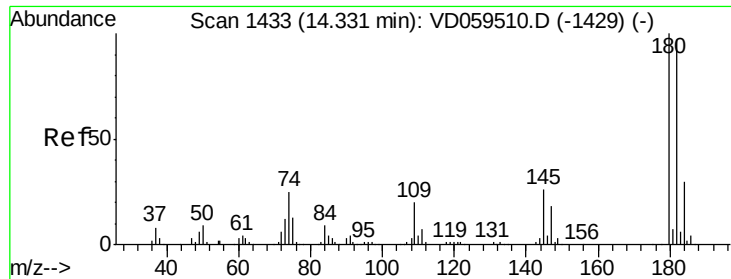
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 93.55 ug/l
 RT: 13.77 min Scan# 1376
 Delta R.T. 0.01 min
 Lab File: VD059511.D
 Acq: 2 Jul 2018 19:01

Tgt Ion: 75 Resp: 75556
 Ion Ratio Lower Upper
 75 100
 155 93.9 32.8 98.4
 157 123.2 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

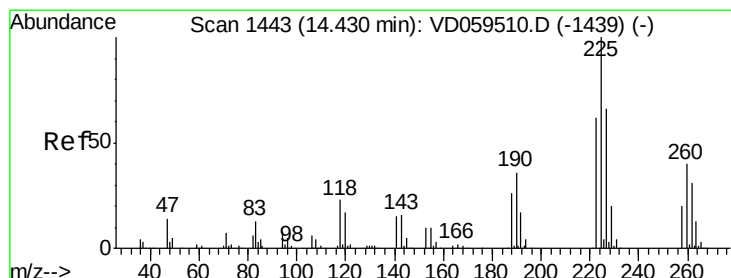
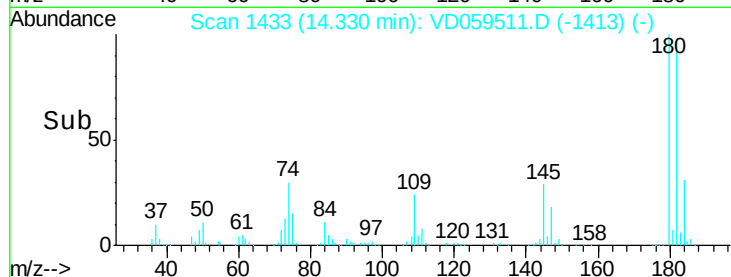
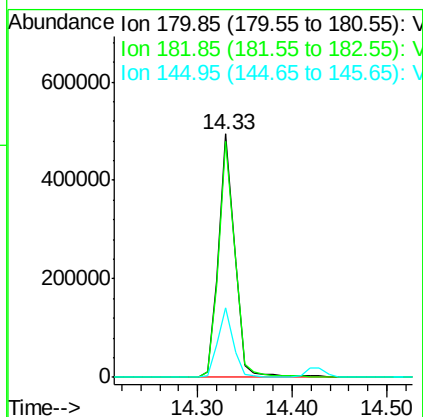
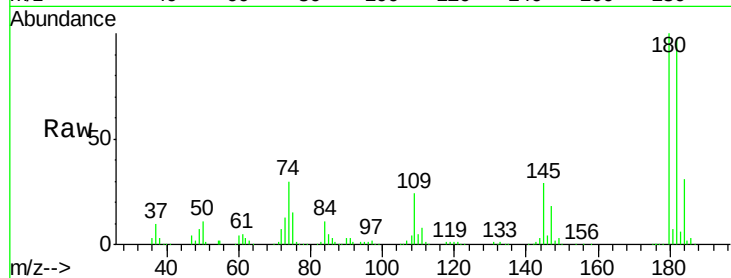




#93
 1,2,4-Trichlorobenzene
 Concen: 71.50 ug/l
 RT: 14.33 min Scan# 1433
 Delta R.T. -0.00 min
 Lab File: VD059511.D
 Acq: 2 Jul 2018 19:01

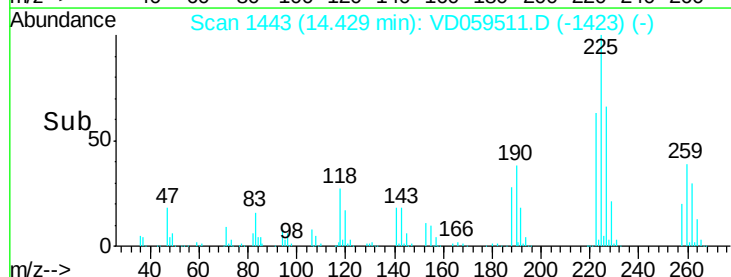
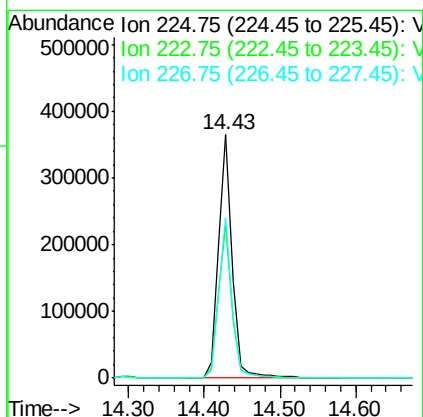
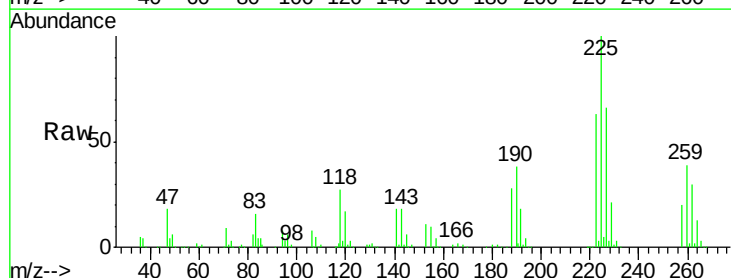
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC075

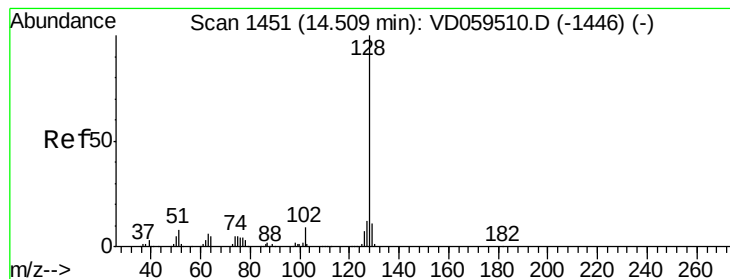
Tot Ion:180 Resp: 591029
 Ion Ratio Lower Upper
 180 100
 182 96.9 48.7 146.1
 145 28.7 13.2 39.6



#94
 Hexachlorobutadiene
 Concen: 76.40 ug/l
 RT: 14.43 min Scan# 1443
 Delta R.T. -0.00 min
 Lab File: VD059511.D
 Acq: 2 Jul 2018 19:01

Tgt Ion:225 Resp: 475693
 Ion Ratio Lower Upper
 225 100
 223 62.7 31.0 93.0
 227 66.1 33.1 99.5





#95

Naphthalene

Concen: 78.39 ug/l

RT: 14.51 min Scan# 1451

Delta R.T. -0.00 min

Lab File: VD059511.D

Acq: 2 Jul 2018 19:01

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC075

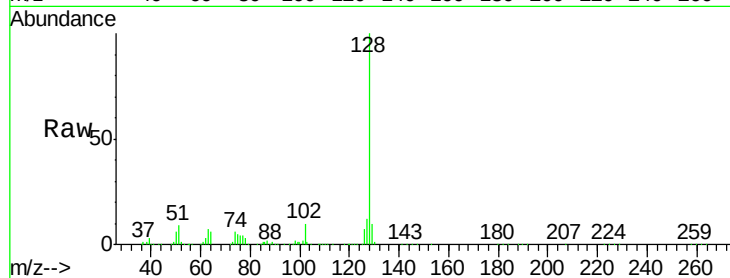
Tot Ion:128 Resp: 924302

Ion Ratio Lower Upper

128 100

127 12.5 9.8 14.8

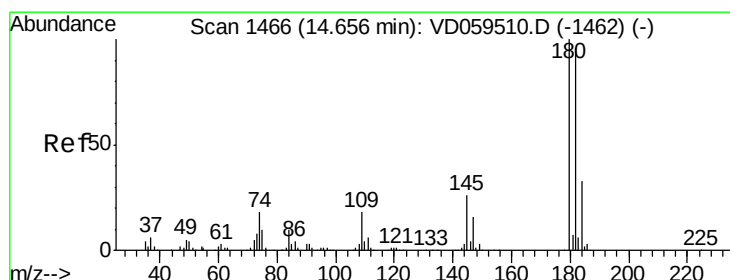
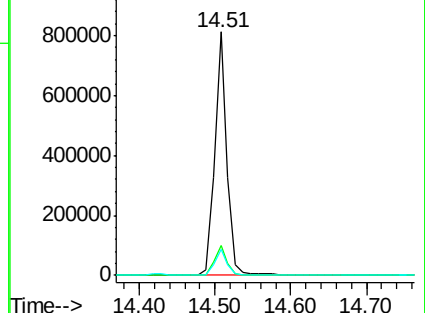
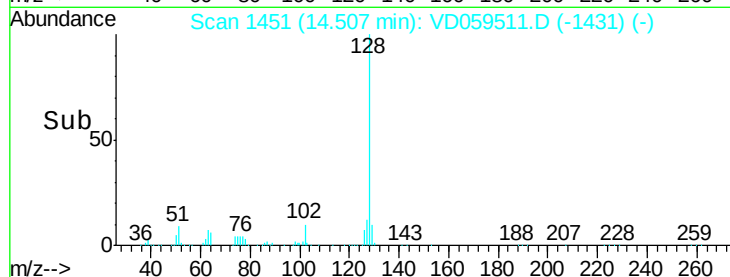
129 10.5 8.6 12.8



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: 71.22 ug/l

RT: 14.66 min Scan# 1466

Delta R.T. -0.00 min

Lab File: VD059511.D

Acq: 2 Jul 2018 19:01

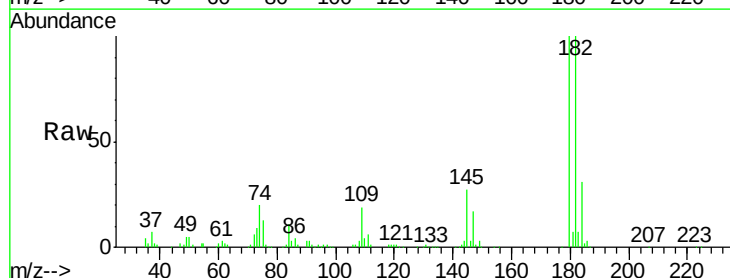
Tgt Ion:180 Resp: 530335

Ion Ratio Lower Upper

180 100

182 99.7 48.1 144.4

145 26.7 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

