

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD070218\
 Data File : VD059507.D
 Acq On : 2 Jul 2018 17:06
 Operator : VA/AP
 Sample : VSTDIC005
 Misc : 5.00g/5ml/MSVOA_D/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

Quant Time: Jul 03 01:35:18 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D070218S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 03 01:26:31 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.62	168	617643	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.66	114	890660	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.67	117	715314	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.89	152	384400	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.99	65	35485	4.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.08%	
35) Dibromofluoromethane	5.52	113	33862	4.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	8.98%	
50) Toluene-d8	8.69	98	80488	4.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.26%	
62) 4-Bromofluorobenzene	11.92	95	36914	4.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.98%	

Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.33	85	33768	4.430	ug/l 96
3) Chloromethane	1.47	50	19910	5.528	ug/l 89
4) Vinyl Chloride	1.53	62	17334	4.757	ug/l 89
5) Bromomethane	1.78	94	7983	5.725	ug/l 89
6) Chloroethane	1.86	64	9280	5.812	ug/l # 86
7) Trichlorofluoromethane	2.06	101	32821	5.620	ug/l 98
8) Diethyl Ether	2.32	74	5963	5.307	ug/l 92
9) 1,1,2-Trichlorotrifluoroet	2.53	101	19043	5.338	ug/l 98
10) Methyl Iodide	2.68	142	14576	3.990	ug/l # 79
11) Tert butyl alcohol	3.25	59	7564	29.485	ug/l # 72
12) 1,1-Dichloroethene	2.52	96	15414	5.658	ug/l 81
13) Acrolein	2.45	56	2499	16.567	ug/l # 63
14) Allyl chloride	2.89	41	31249	5.133	ug/l 95
15) Acrylonitrile	3.33	53	17887	24.590	ug/l # 72
16) Acetone	2.59	43	30863	30.131	ug/l 96
17) Carbon Disulfide	2.73	76	38142	4.451	ug/l 99
18) Methyl Acetate	2.91	43	15553	6.679	ug/l 96
19) Methyl tert-butyl Ether	3.37	73	38179	4.894	ug/l 96
20) Methylene Chloride	3.04	84	39858	11.608	ug/l # 87
21) trans-1,2-Dichloroethene	3.36	96	15797	4.774	ug/l 84
22) Diisopropyl ether	4.03	45	118894	5.406	ug/l 95
23) Vinyl Acetate	3.98	43	282830	23.404	ug/l 99
24) 1,1-Dichloroethane	3.95	63	64817	5.140	ug/l 99
25) 2-Butanone	4.81	43	60699	28.257	ug/l 96
26) 2,2-Dichloropropane	4.77	77	54698	5.357	ug/l 87
27) cis-1,2-Dichloroethene	4.77	96	36910	5.423	ug/l 97
28) Bromochloromethane	5.12	49	24856	5.213	ug/l # 83
29) Tetrahydrofuran	5.17	42	30191	27.367	ug/l 96
30) Chloroform	5.29	83	69981	5.260	ug/l 97
31) Cyclohexane	5.56	56	65912	6.900	ug/l 96
32) 1,1,1-Trichloroethane	5.48	97	53635	5.063	ug/l 96
36) 1,1-Dichloropropene	5.72	75	54528	5.805	ug/l 97
37) Ethyl Acetate	4.90	43	27971	5.300	ug/l 97
38) Carbon Tetrachloride	5.70	117	52162	5.711	ug/l 95

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD070218\
 Data File : VD059507.D
 Acq On : 2 Jul 2018 17:06
 Operator : VA/AP
 Sample : VSTDIC005
 Misc : 5.00g/5ml/MSVOA_D/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleID :
 VSTDIC005

Quant Time: Jul 03 01:35:18 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D070218S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 03 01:26:31 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.26	83	46392	5.342	ug/l	95
40) Benzene	5.98	78	121757	5.633	ug/l	98
41) Methacrylonitrile	5.10	41	14606	5.550	ug/l #	89
42) 1,2-Dichloroethane	6.10	62	49916	5.174	ug/l	94
43) Isopropyl Acetate	7.60	43	34737	5.045	ug/l #	90
44) Trichloroethene	6.96	130	35781	5.290	ug/l	99
45) 1,2-Dichloropropane	7.32	63	34938	5.858	ug/l #	86
46) Dibromomethane	7.43	93	20793	5.064	ug/l	95
47) Bromodichloromethane	7.72	83	47243	4.976	ug/l	92
48) Methyl methacrylate	7.48	41	21585	5.070	ug/l #	86
49) 1,4-Dioxane	7.47	88	3762	92.183	ug/l #	83
51) 4-Methyl-2-Pentanone	8.57	43	112404	24.680	ug/l	98
52) Toluene	8.78	92	66648	5.497	ug/l	94
53) t-1,3-Dichloropropene	9.16	75	40344	4.880	ug/l	98
54) cis-1,3-Dichloropropene	8.34	75	48677	5.099	ug/l	98
55) 1,1,2-Trichloroethane	9.44	97	24155	5.495	ug/l #	84
56) Ethyl methacrylate	9.29	69	28949	5.360	ug/l	92
57) 1,3-Dichloropropane	9.64	76	42797	5.499	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.17	63	76876	29.174	ug/l	99
59) 2-Hexanone	9.76	43	86950	26.361	ug/l	93
60) Dibromochloromethane	9.94	129	29118	4.714	ug/l	84
61) 1,2-Dibromoethane	10.08	107	25675	5.261	ug/l #	78
64) Tetrachloroethene	9.50	164	34158	5.494	ug/l	92
65) Chlorobenzene	10.71	112	73488	5.362	ug/l	93
66) 1,1,1,2-Tetrachloroethane	10.84	131	27426	5.000	ug/l	94
67) Ethyl Benzene	10.85	91	138986	5.826	ug/l	98
68) m/p-Xylenes	10.99	106	97255	12.577	ug/l	83
69) o-Xylene	11.40	106	44150	5.851	ug/l	87
70) Styrene	11.42	104	76234	6.015	ug/l	96
71) Bromoform	11.59	173	19015	4.571	ug/l	94
73) Isopropylbenzene	11.76	105	118938	5.193	ug/l	94
74) N-amyl acetate	11.63	43	43195	4.513	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.07	83	32260	5.650	ug/l	95
76) 1,2,3-Trichloropropane	12.10	75	32374	5.347	ug/l	96
77) Bromobenzene	12.03	156	37476	5.253	ug/l	94
78) n-propylbenzene	12.15	91	161341	5.278	ug/l	97
79) 2-Chlorotoluene	12.20	91	95518	5.369	ug/l	97
80) 1,3,5-Trimethylbenzene	12.31	105	101648	5.492	ug/l	91
81) trans-1,4-Dichloro-2-buten	11.83	75	6459	4.410	ug/l	90
82) 4-Chlorotoluene	12.31	91	113550	5.612	ug/l	96
83) tert-Butylbenzene	12.57	119	109686	5.349	ug/l	93
84) 1,2,4-Trimethylbenzene	12.62	105	108288	5.488	ug/l	98
85) sec-Butylbenzene	12.75	105	132093	5.486	ug/l	98
86) p-Isopropyltoluene	12.87	119	111613	5.593	ug/l	96
87) 1,3-Dichlorobenzene	12.83	146	63472	5.183	ug/l	98
88) 1,4-Dichlorobenzene	12.91	146	66644	5.629	ug/l	91
89) n-Butylbenzene	13.19	91	115688	5.688	ug/l	99
90) Hexachloroethane	13.40	117	23925	4.617	ug/l #	57
91) 1,2-Dichlorobenzene	13.18	146	57343	5.582	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.76	75	5948	6.350	ug/l #	57

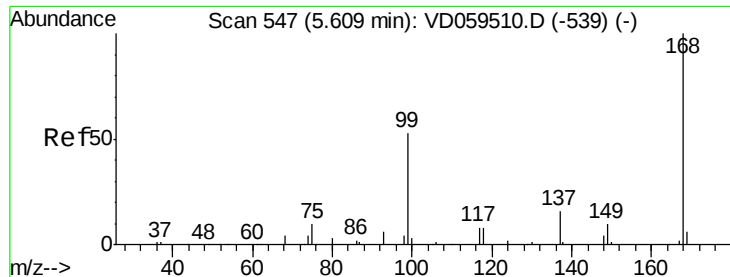
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD070218\
Data File : VD059507.D
Acq On : 2 Jul 2018 17:06
Operator : VA/AP
Sample : VSTDICC005
Misc : 5.00g/5ml/MSVOA_D/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VSTDICC005

Quant Time: Jul 03 01:35:18 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D070218S.M
Quant Title : SW846 8260
QLast Update : Tue Jul 03 01:26:31 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.33	180	48639	5.350	ug/l	95
94) Hexachlorobutadiene	14.43	225	34734	4.945	ug/l	91
95) Naphthalene	14.51	128	68352	5.080	ug/l	99
96) 1,2,3-Trichlorobenzene	14.66	180	39231	4.827	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.62 min Scan# 548

Delta R.T. 0.01 min

Lab File: VD059507.D

Acq: 2 Jul 2018 17:06

Instrument :

MSVOA_D

ClientSampleId :

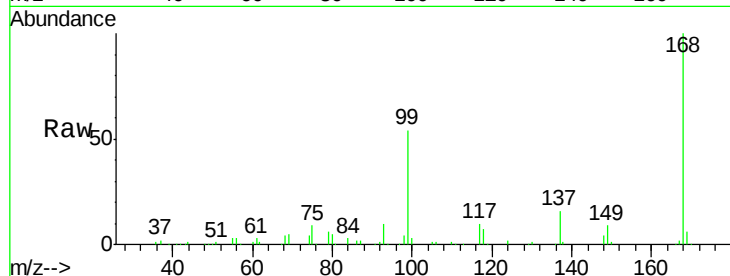
VSTDIC005

Tgt Ion:168 Resp: 617643

Ion Ratio Lower Upper

168 100

99 53.6 45.1 67.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

5.62

250000

200000

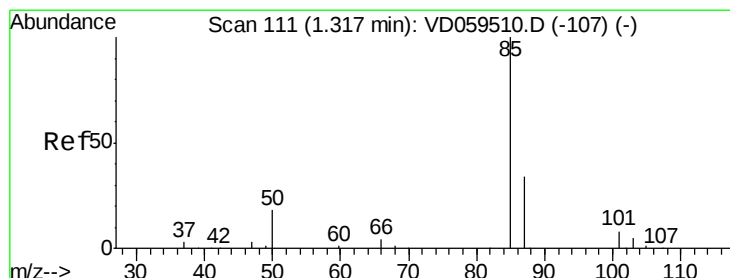
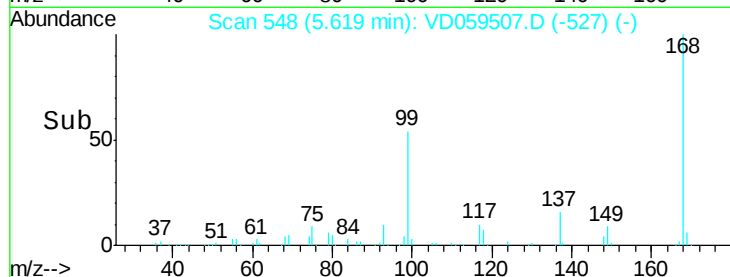
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 4.430 ug/l

RT: 1.33 min Scan# 112

Delta R.T. 0.01 min

Lab File: VD059507.D

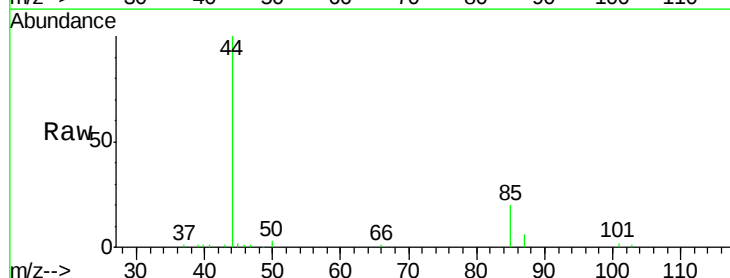
Acq: 2 Jul 2018 17:06

Tgt Ion: 85 Resp: 33768

Ion Ratio Lower Upper

85 100

87 31.4 16.8 50.4



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.33

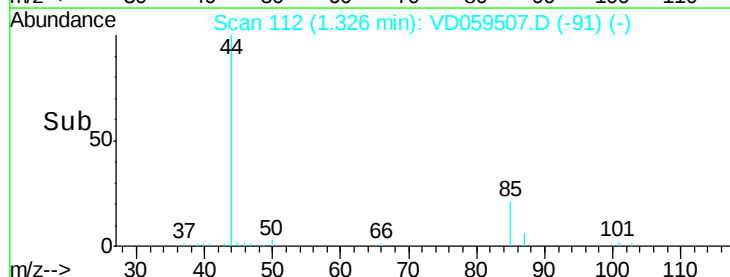
15000

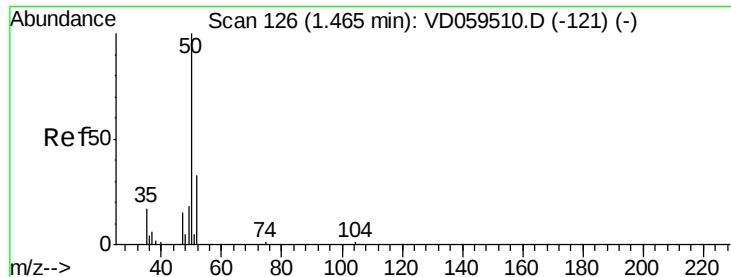
10000

5000

0

Time-->





#3

Chloromethane

Concen: 5.528 ug/l

RT: 1.47 min Scan# 127

Delta R.T. 0.01 min

Lab File: VD059507.D

Acq: 2 Jul 2018 17:06

Instrument :

MSVOA_D

ClientSampleId :

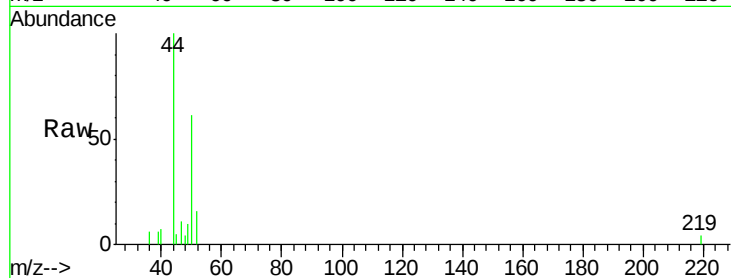
VSTDIC005

Tgt Ion: 50 Resp: 19910

Ion Ratio Lower Upper

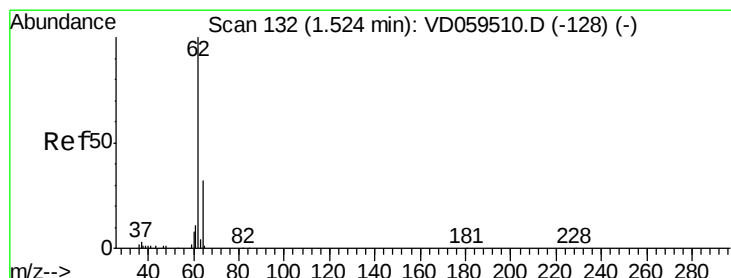
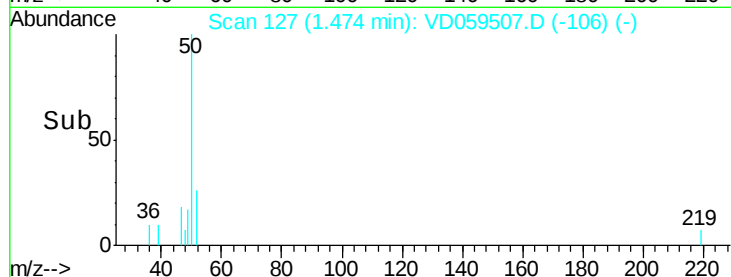
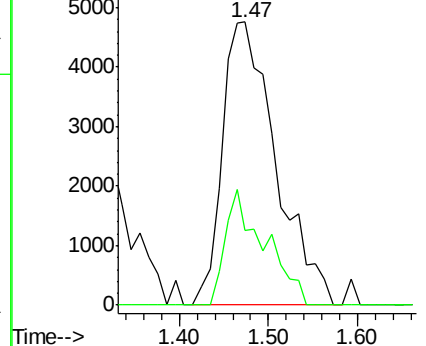
50 100

52 26.2 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: 4.757 ug/l

RT: 1.53 min Scan# 133

Delta R.T. 0.01 min

Lab File: VD059507.D

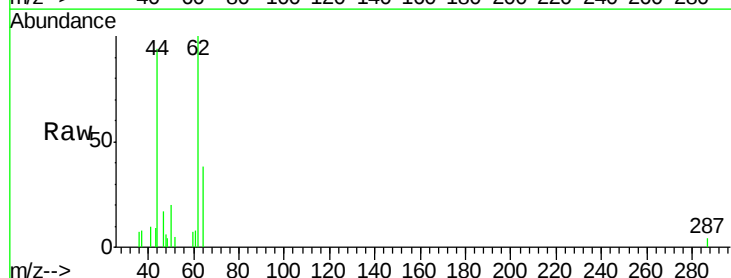
Acq: 2 Jul 2018 17:06

Tgt Ion: 62 Resp: 17334

Ion Ratio Lower Upper

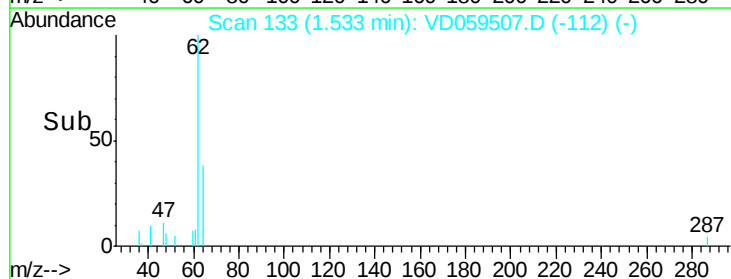
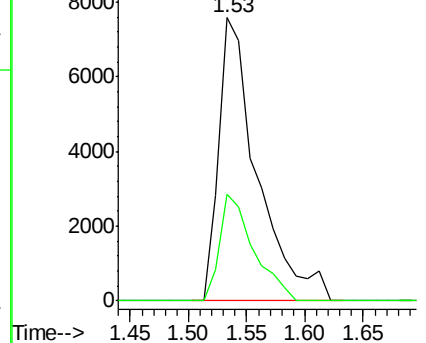
62 100

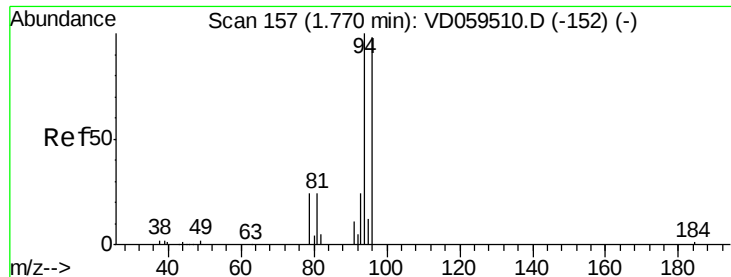
64 37.9 25.4 38.2



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 5.725 ug/l

RT: 1.78 min Scan# 158

Delta R.T. 0.01 min

Lab File: VD059507.D

Acq: 2 Jul 2018 17:06

Instrument :

MSVOA_D

ClientSampleId :

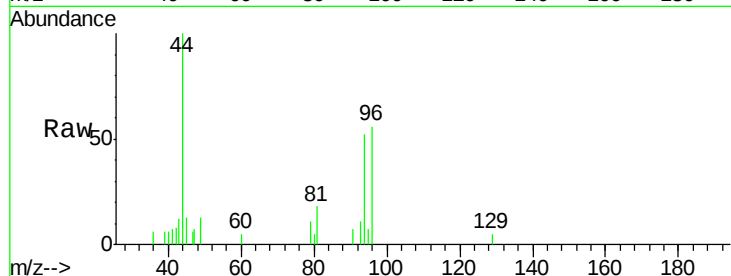
VSTDIC005

Tgt Ion: 94 Resp: 7983

Ion Ratio Lower Upper

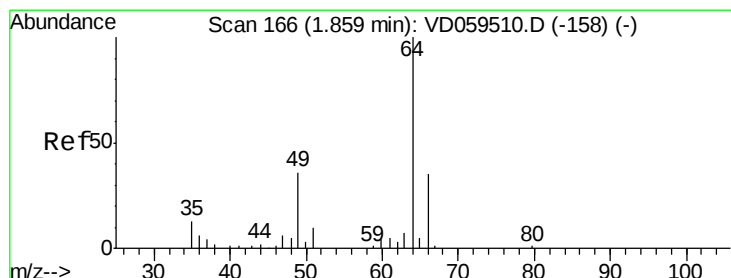
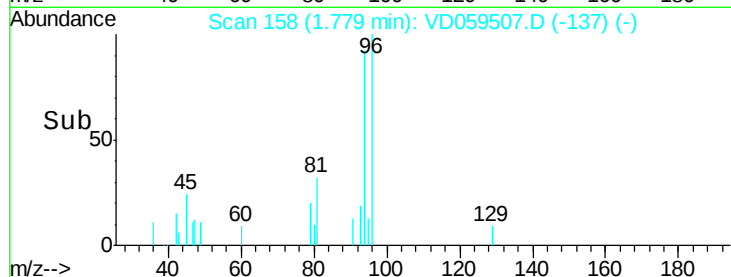
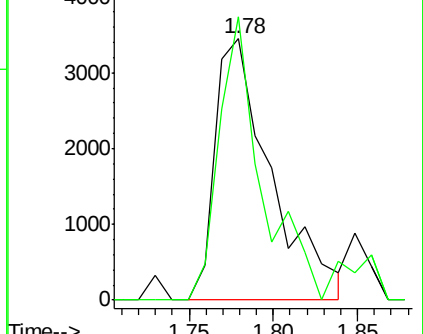
94 100

96 108.2 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: 5.812 ug/l

RT: 1.86 min Scan# 166

Delta R.T. -0.00 min

Lab File: VD059507.D

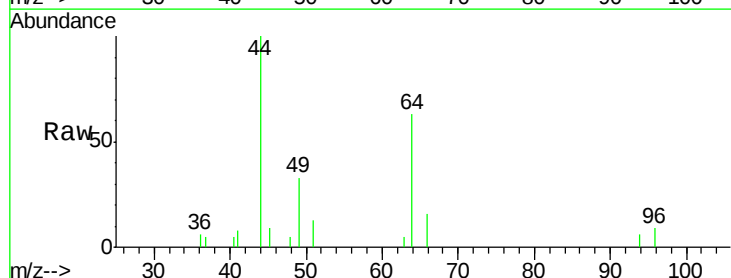
Acq: 2 Jul 2018 17:06

Tgt Ion: 64 Resp: 9280

Ion Ratio Lower Upper

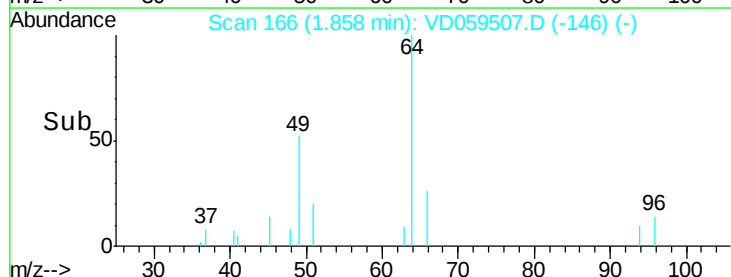
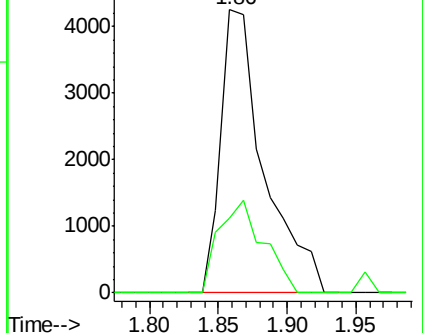
64 100

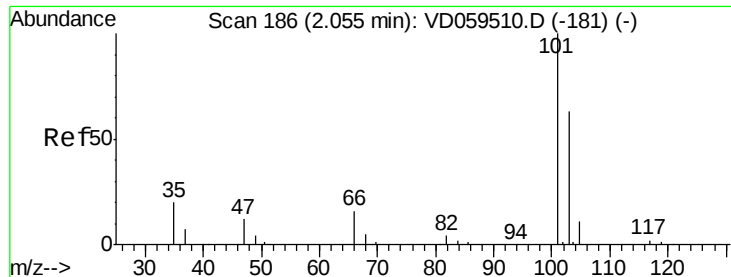
66 26.3 27.6 41.4#



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC



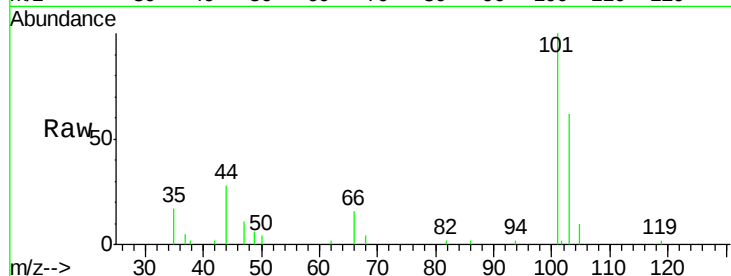


#7

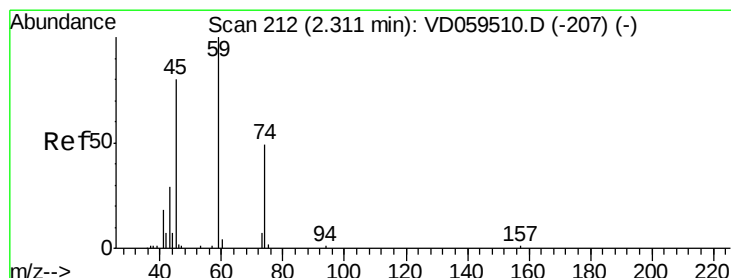
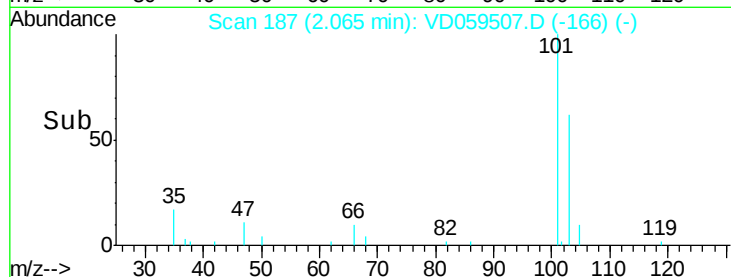
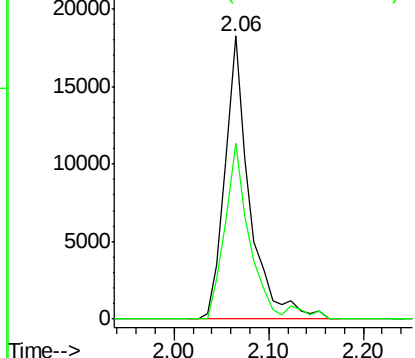
Trichlorofluoromethane
Concen: 5.620 ug/l
RT: 2.06 min Scan# 187
Delta R.T. 0.01 min
Lab File: VD059507.D
Acq: 2 Jul 2018 17:06

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tgt Ion: 101 Resp: 32821
Ion Ratio Lower Upper
101 100
103 62.1 50.6 76.0



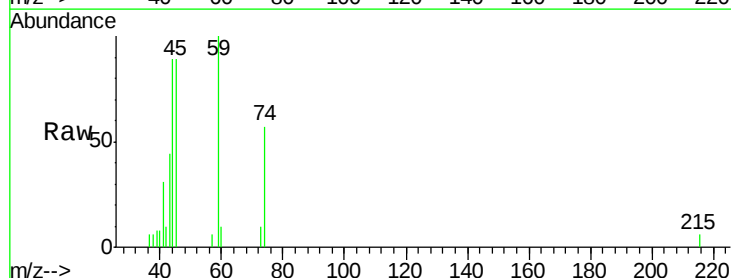
Abundance Ion 100.85 (100.55 to 101.55): V
Ion 102.85 (102.55 to 103.55): V



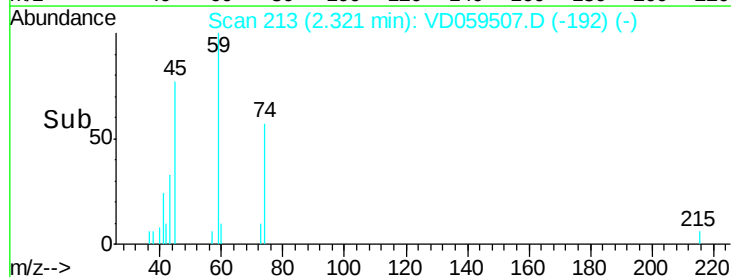
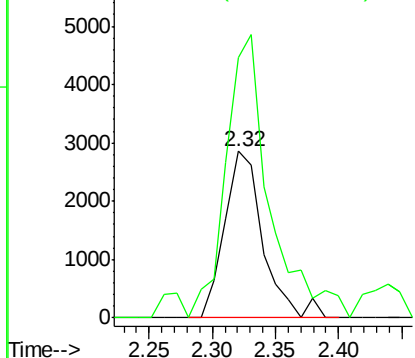
#8

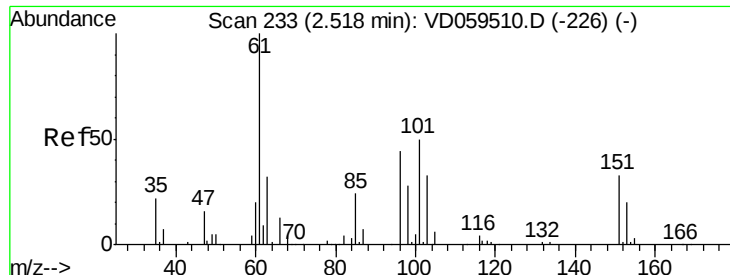
Diethyl Ether
Concen: 5.307 ug/l
RT: 2.32 min Scan# 213
Delta R.T. 0.01 min
Lab File: VD059507.D
Acq: 2 Jul 2018 17:06

Tgt Ion: 74 Resp: 5963
Ion Ratio Lower Upper
74 100
45 156.1 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: 5.338 ug/l

RT: 2.53 min Scan# 234

Delta R.T. 0.01 min

Lab File: VD059507.D

Acq: 2 Jul 2018 17:06

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

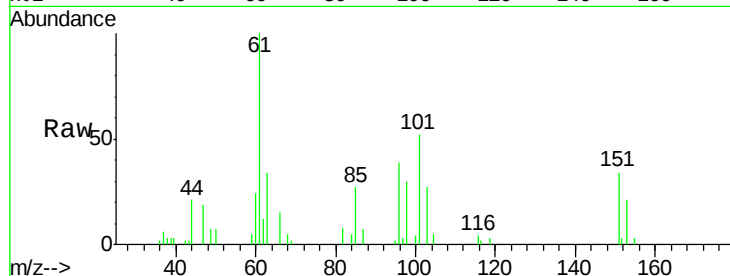
Tgt Ion:101 Resp: 19043

Ion Ratio Lower Upper

101 100

85 51.8 38.8 58.2

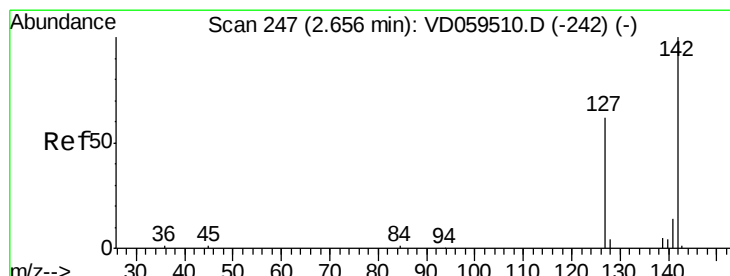
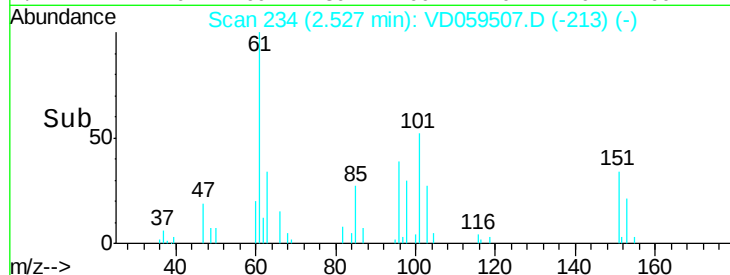
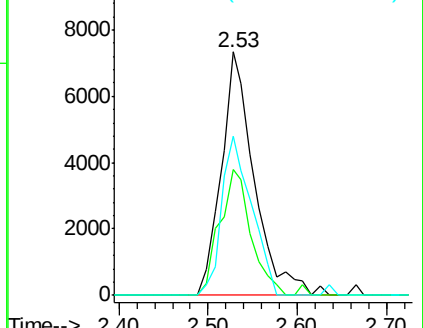
151 65.3 52.6 79.0



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: 3.990 ug/l

RT: 2.68 min Scan# 249

Delta R.T. 0.02 min

Lab File: VD059507.D

Acq: 2 Jul 2018 17:06

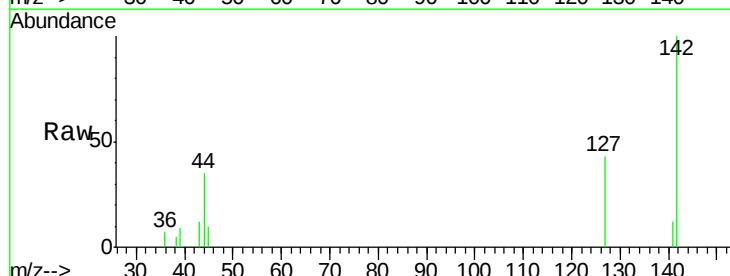
Tgt Ion:142 Resp: 14576

Ion Ratio Lower Upper

142 100

127 43.1 49.8 74.8#

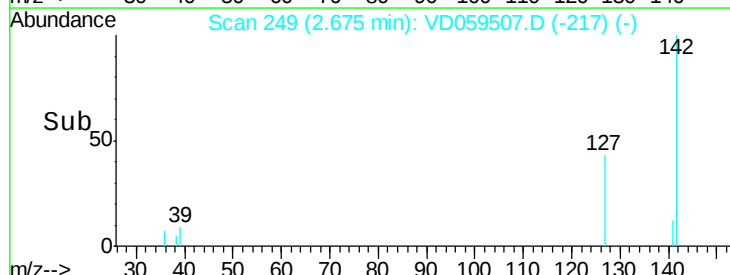
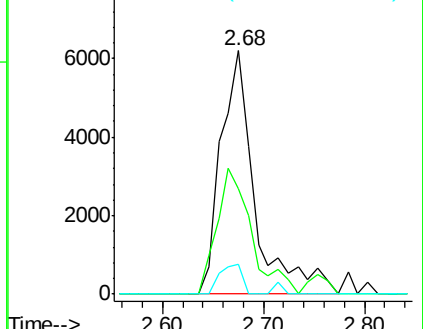
141 12.4 11.1 16.7

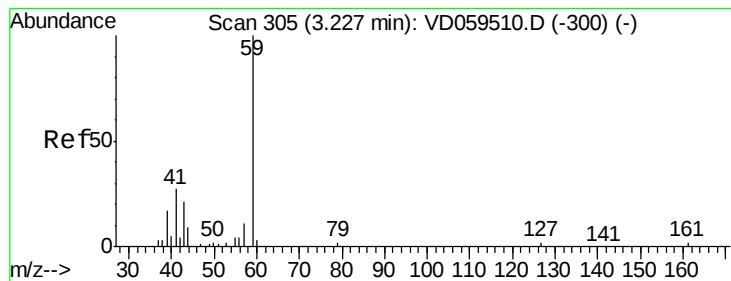


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



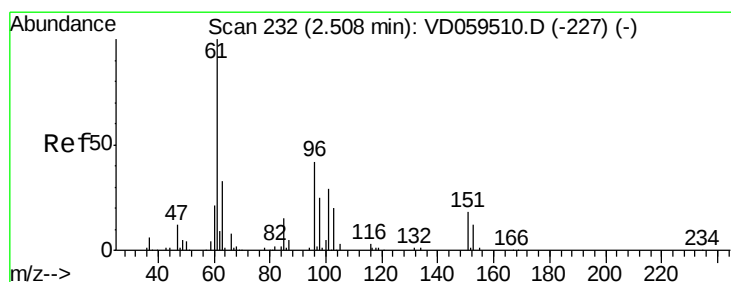
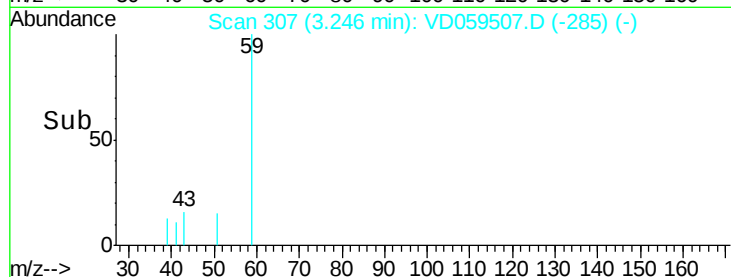
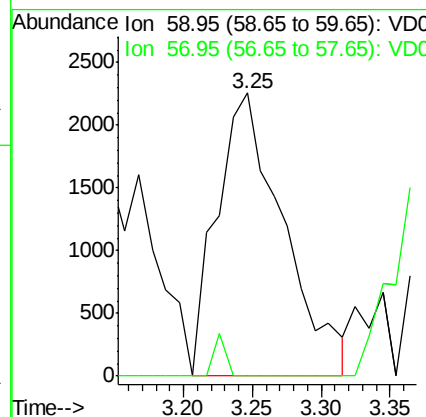
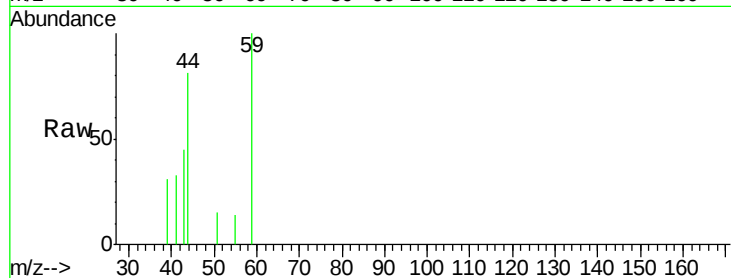


#11

Tert butyl alcohol
 Concen: 29.485 ug/l
 RT: 3.25 min Scan# 307
 Delta R.T. 0.02 min
 Lab File: VD059507.D
 Acq: 2 Jul 2018 17:06

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

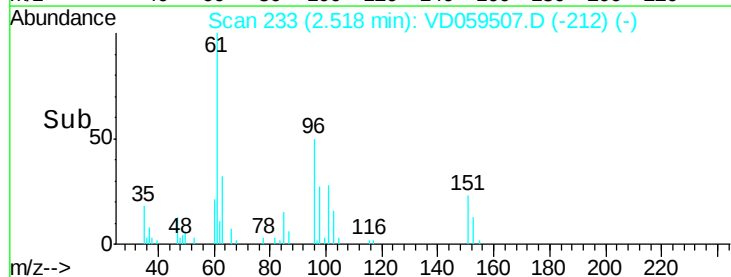
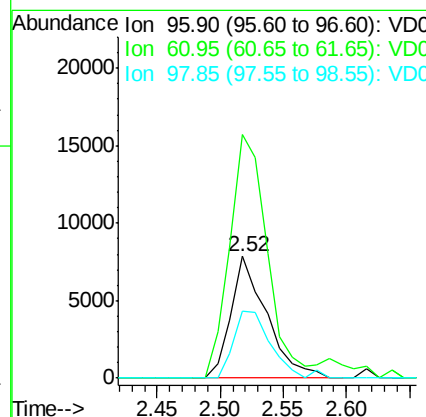
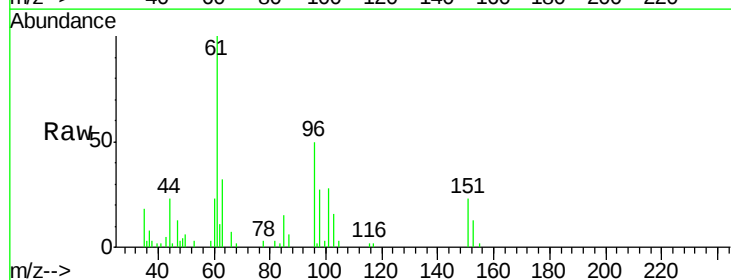
Tgt Ion: 59 Resp: 7564
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.6 12.8#

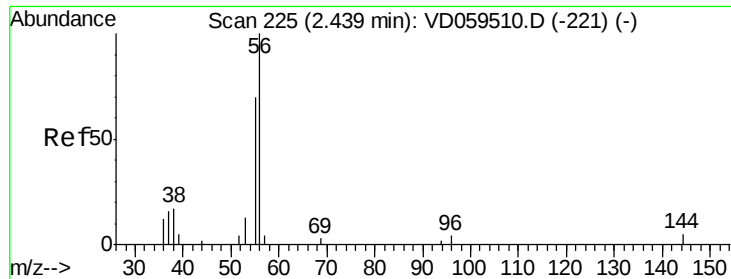


#12

1,1-Dichloroethene
 Concen: 5.658 ug/l
 RT: 2.52 min Scan# 233
 Delta R.T. 0.01 min
 Lab File: VD059507.D
 Acq: 2 Jul 2018 17:06

Tgt Ion: 96 Resp: 15414
 Ion Ratio Lower Upper
 96 100
 61 200.4 189.4 284.0
 98 54.7 47.9 71.9





#13

Acrolein

Concen: 16.567 ug/l

RT: 2.45 min Scan# 226

Delta R.T. 0.01 min

Lab File: VD059507.D

Acq: 2 Jul 2018 17:06

Instrument :

MSVOA_D

ClientSampleId :

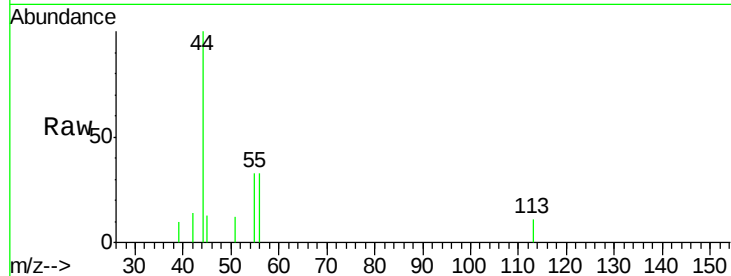
VSTDIC005

Tgt Ion: 56 Resp: 2499

Ion Ratio Lower Upper

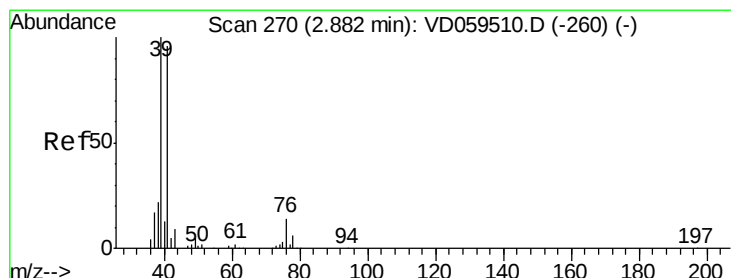
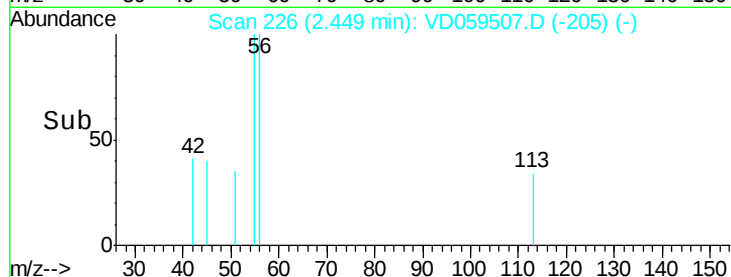
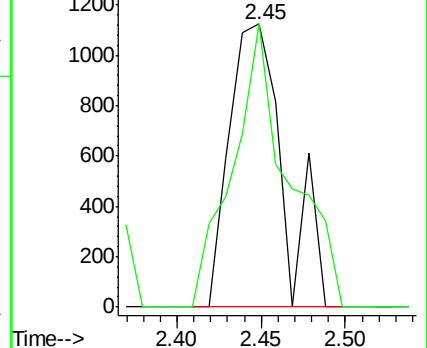
56 100

55 100.1 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: 5.133 ug/l

RT: 2.89 min Scan# 271

Delta R.T. 0.01 min

Lab File: VD059507.D

Acq: 2 Jul 2018 17:06

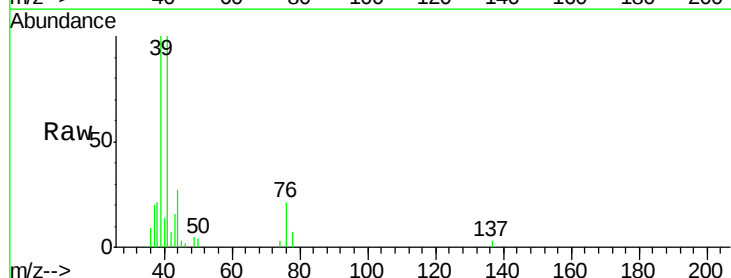
Tgt Ion: 41 Resp: 31249

Ion Ratio Lower Upper

41 100

39 100.0 83.8 125.8

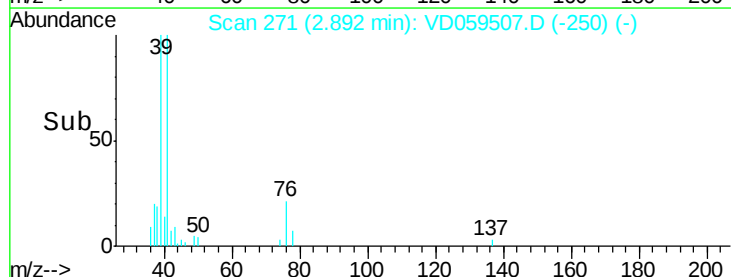
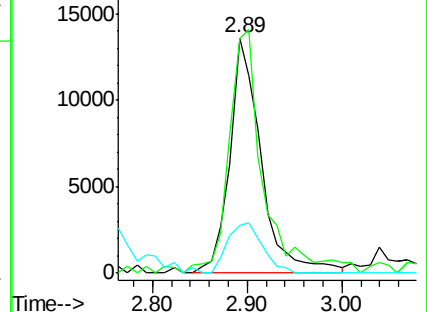
76 20.6 18.4 27.6

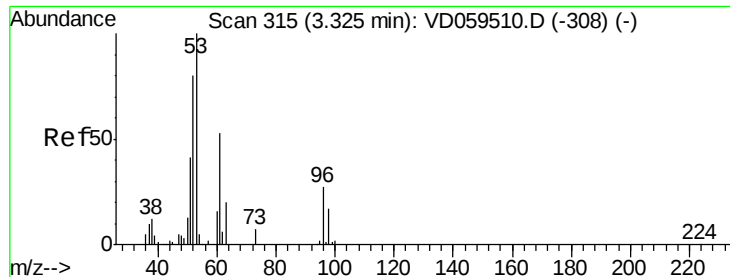


Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC





#15

Acrylonitrile

Concen: 24.590 ug/l

RT: 3.33 min Scan# 316

Delta R.T. 0.01 min

Lab File: VD059507.D

Acq: 2 Jul 2018 17:06

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

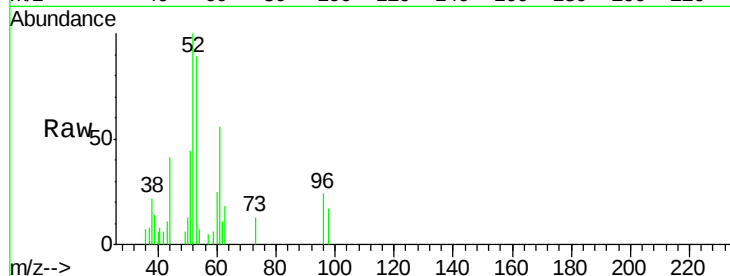
Tgt Ion: 53 Resp: 17887

Ion Ratio Lower Upper

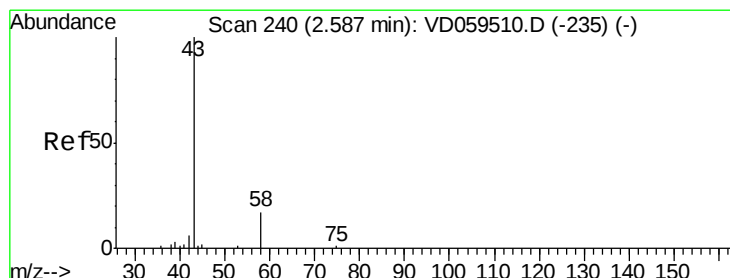
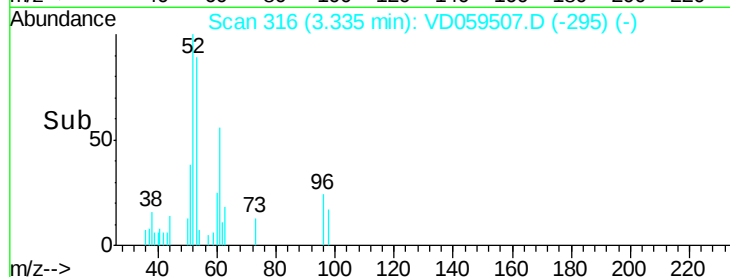
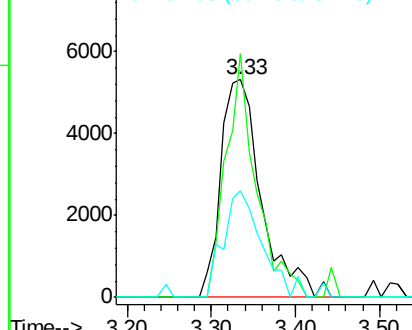
53 100

52 111.8 64.3 96.5#

51 48.7 33.0 49.4



Abundance Ion 53.00 (52.70 to 53.70): VDC
Ion 52.00 (51.70 to 52.70): VDC
Ion 51.00 (50.70 to 51.70): VDC



#16

Acetone

Concen: 30.131 ug/l

RT: 2.59 min Scan# 240

Delta R.T. -0.00 min

Lab File: VD059507.D

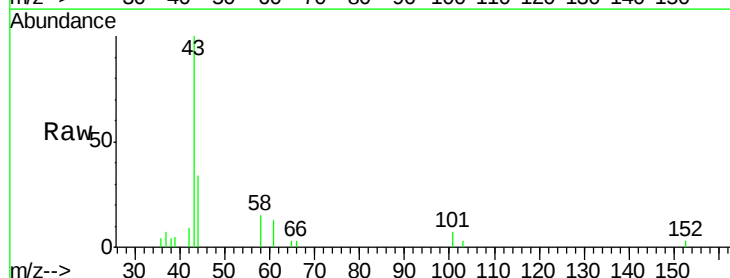
Acq: 2 Jul 2018 17:06

Tgt Ion: 43 Resp: 30863

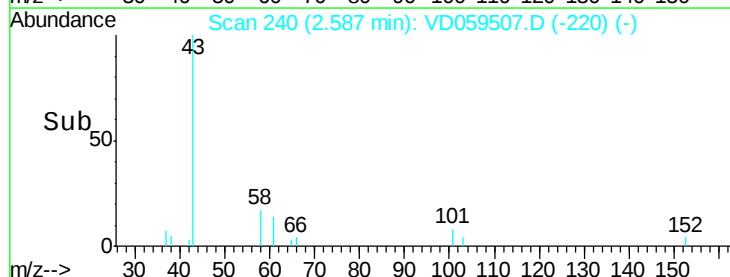
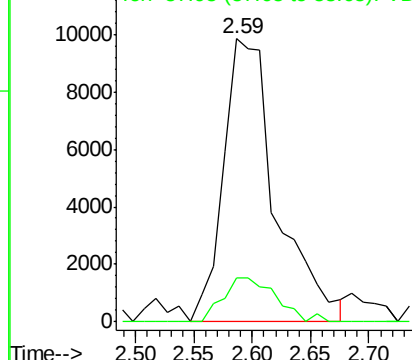
Ion Ratio Lower Upper

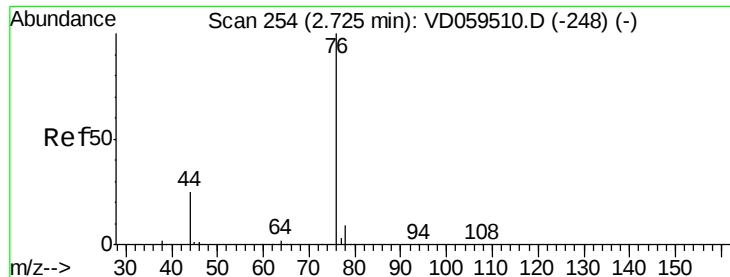
43 100

58 15.4 13.8 20.8



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

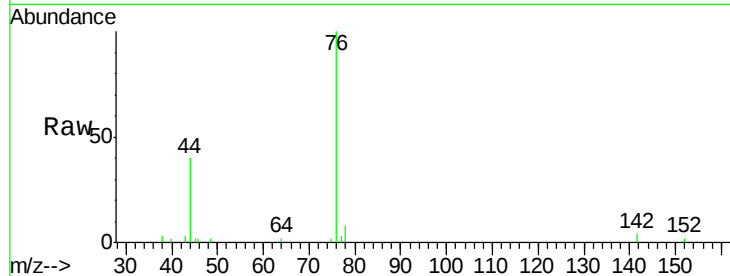




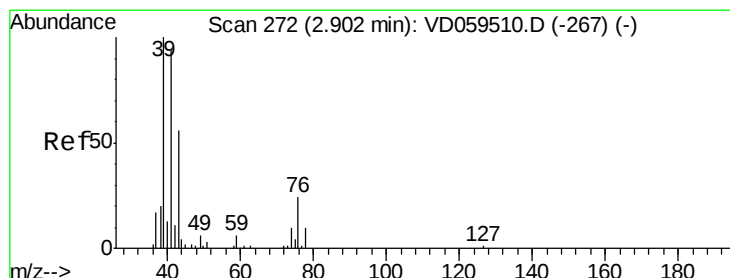
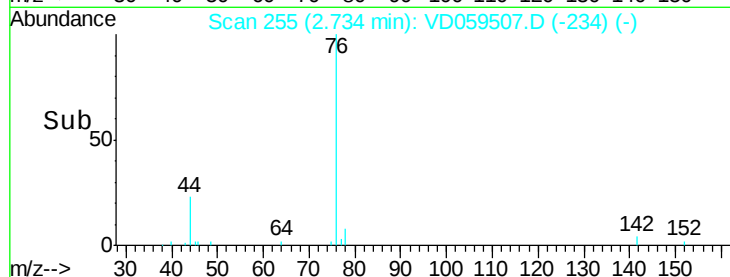
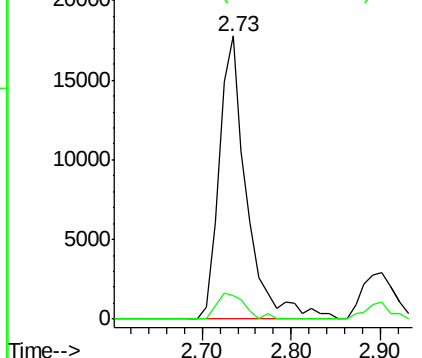
#17
Carbon Disulfide
Concen: 4.451 ug/l
RT: 2.73 min Scan# 255
Delta R.T. 0.01 min
Lab File: VD059507.D
Acq: 2 Jul 2018 17:06

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tgt Ion: 76 Resp: 38142
Ion Ratio Lower Upper
76 100
78 8.3 6.9 10.3

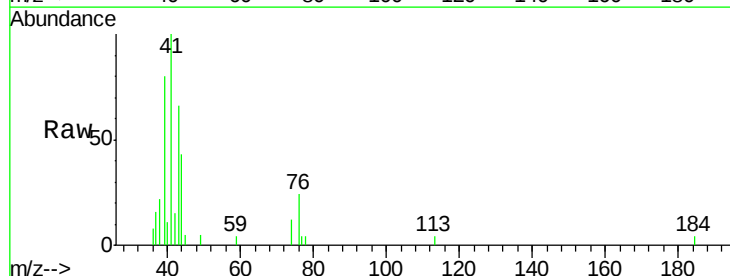


Abundance Ion 75.85 (75.55 to 76.55): VDC
Ion 77.85 (77.55 to 78.55): VDC

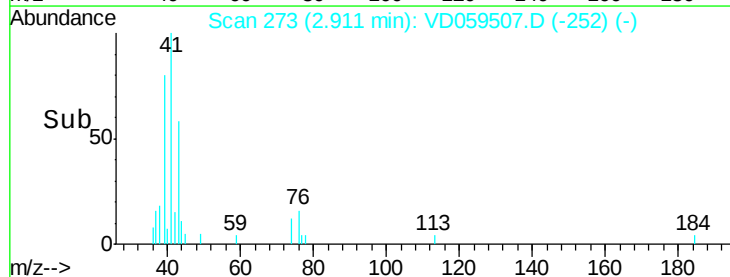
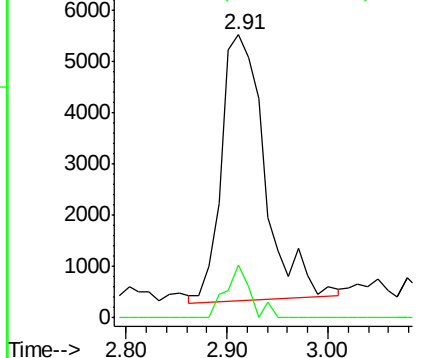


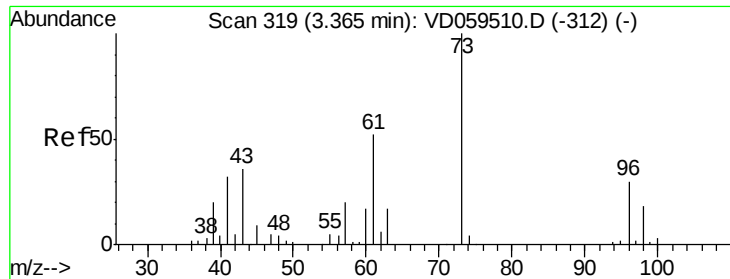
#18
Methyl Acetate
Concen: 6.679 ug/l
RT: 2.91 min Scan# 273
Delta R.T. 0.01 min
Lab File: VD059507.D
Acq: 2 Jul 2018 17:06

Tgt Ion: 43 Resp: 15553
Ion Ratio Lower Upper
43 100
74 18.8 13.8 20.8



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

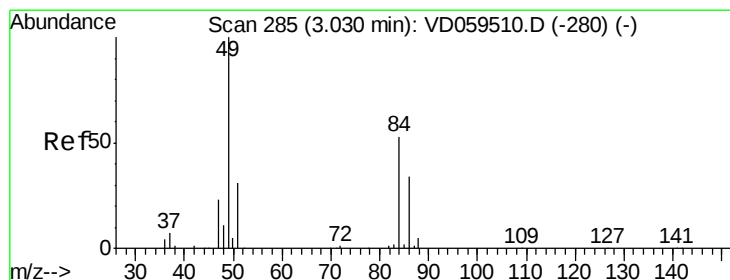
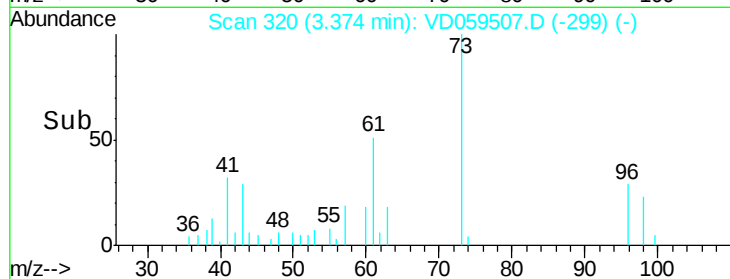
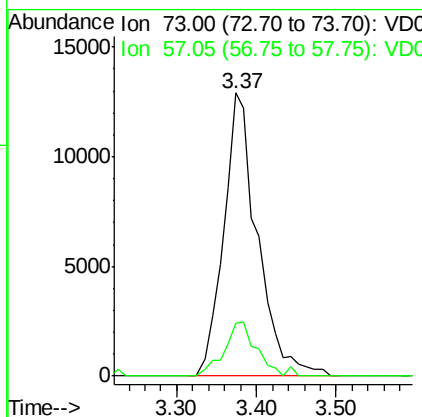
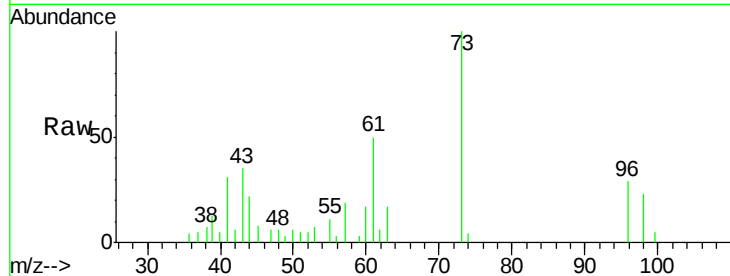




#19
Methyl tert-butyl Ether
Concen: 4.894 ug/l
RT: 3.37 min Scan# 320
Delta R.T. 0.01 min
Lab File: VD059507.D
Acq: 2 Jul 2018 17:06

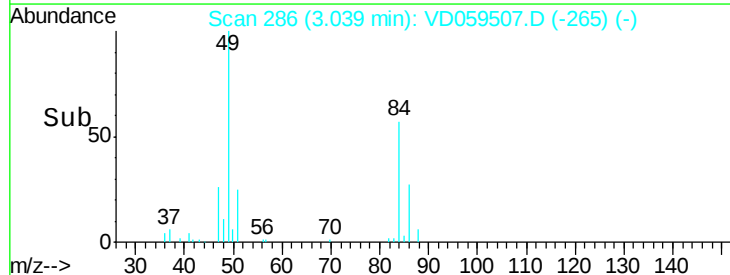
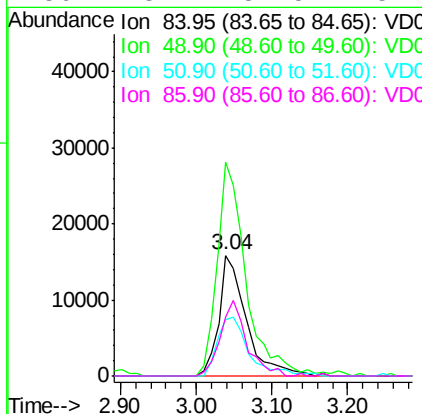
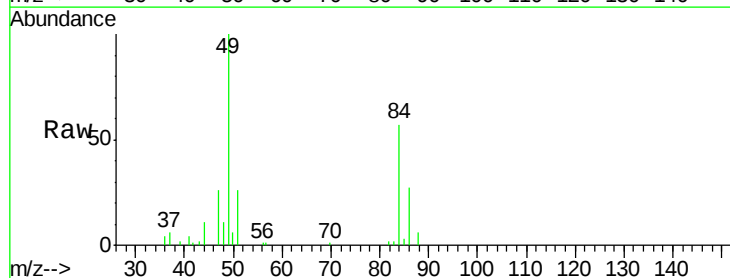
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

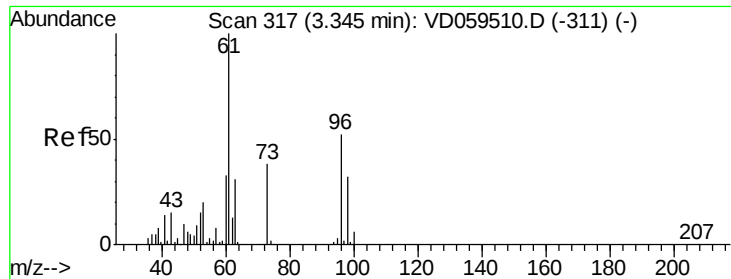
Tgt Ion: 73 Resp: 38179
Ion Ratio Lower Upper
73 100
57 18.5 16.5 24.7



#20
Methylene Chloride
Concen: 11.608 ug/l
RT: 3.04 min Scan# 286
Delta R.T. 0.01 min
Lab File: VD059507.D
Acq: 2 Jul 2018 17:06

Tgt Ion: 84 Resp: 39858
Ion Ratio Lower Upper
84 100
49 177.0 152.2 228.2
51 46.6 46.5 69.7
86 48.4 52.5 78.7#





#21

trans-1,2-Dichloroethene

Concen: 4.774 ug/l

RT: 3.36 min Scan# 319

Delta R.T. 0.02 min

Lab File: VD059507.D

Acq: 2 Jul 2018 17:06

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

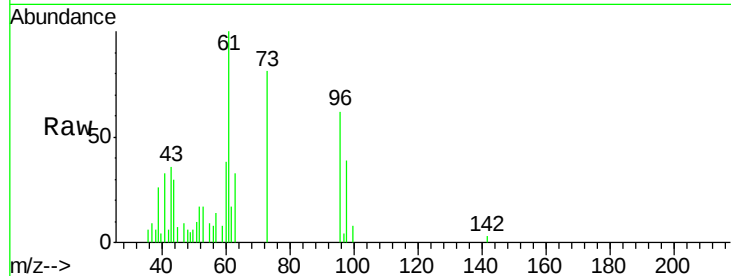
Tgt Ion: 96 Resp: 15797

Ion Ratio Lower Upper

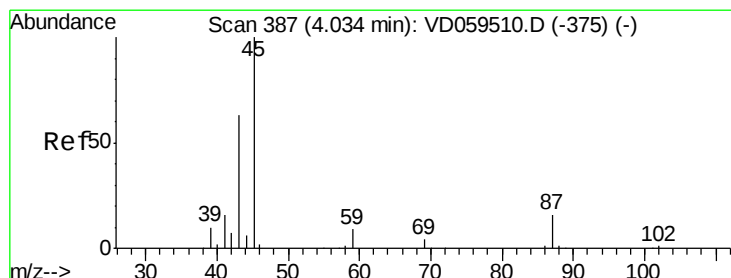
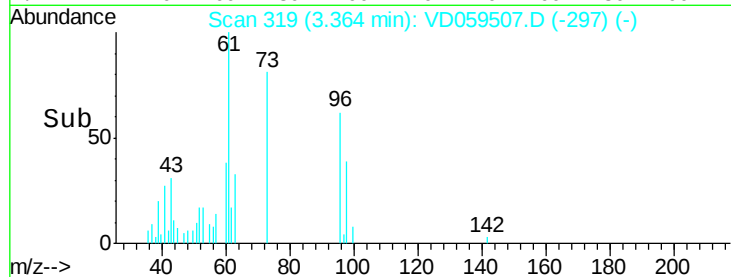
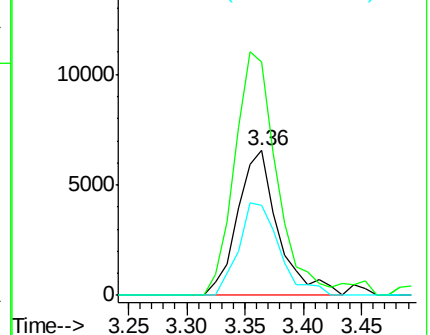
96 100

61 161.6 154.7 232.1

98 62.4 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: 5.406 ug/l

RT: 4.03 min Scan# 387

Delta R.T. -0.00 min

Lab File: VD059507.D

Acq: 2 Jul 2018 17:06

Tgt Ion: 45 Resp: 118894

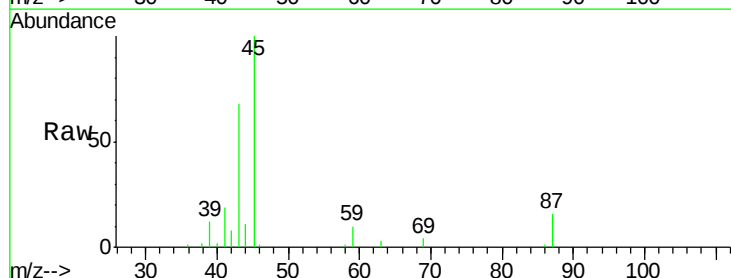
Ion Ratio Lower Upper

45 100

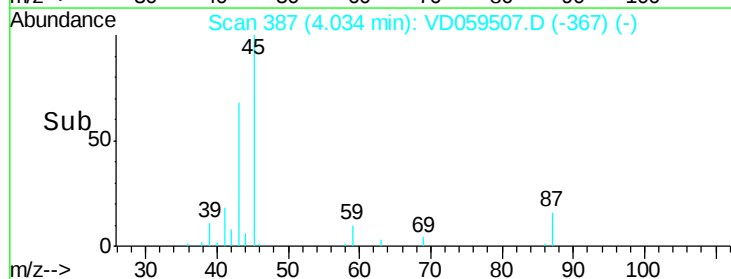
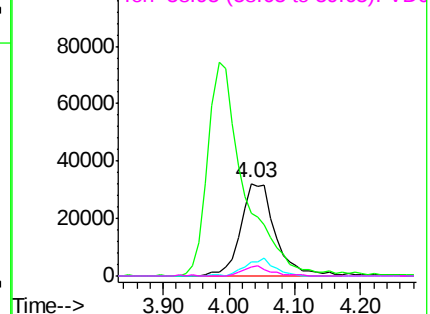
43 68.4 50.7 76.1

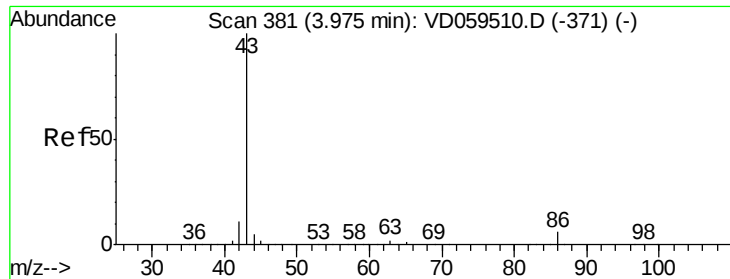
87 15.8 13.4 20.0

59 9.5 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: 23.404 ug/l

RT: 3.98 min Scan# 382

Delta R.T. 0.01 min

Lab File: VD059507.D

Acq: 2 Jul 2018 17:06

Instrument :

MSVOA_D

ClientSampleId :

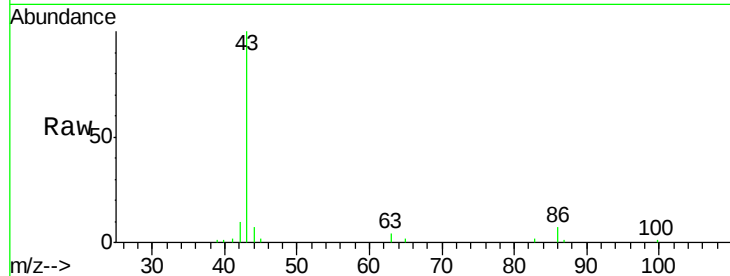
VSTDIC005

Tgt Ion: 43 Resp: 282830

Ion Ratio Lower Upper

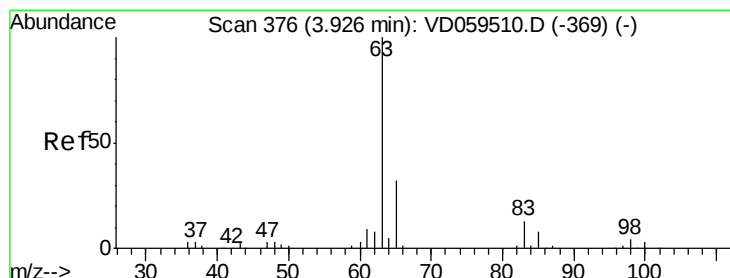
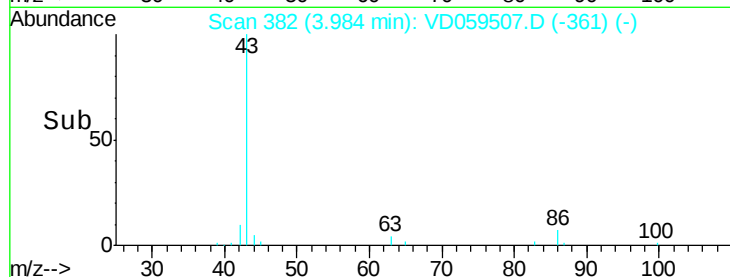
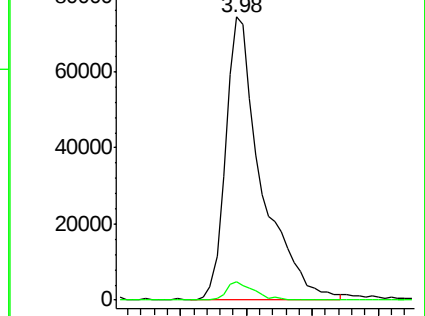
43 100

86 6.6 5.0 7.4



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 5.140 ug/l

RT: 3.95 min Scan# 378

Delta R.T. 0.02 min

Lab File: VD059507.D

Acq: 2 Jul 2018 17:06

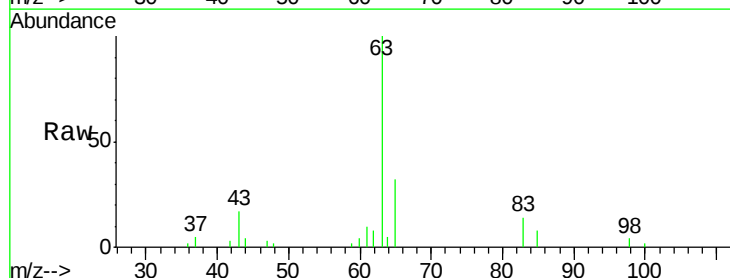
Tgt Ion: 63 Resp: 64817

Ion Ratio Lower Upper

63 100

98 3.7 2.0 5.8

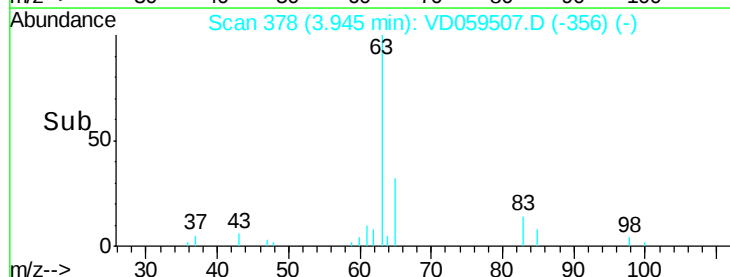
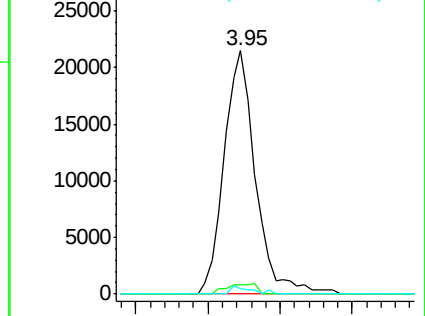
100 2.2 1.5 4.4

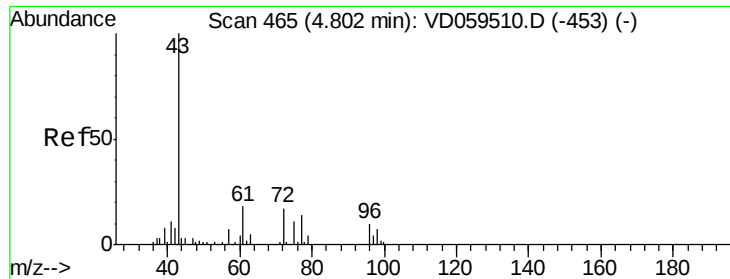


Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC





#25

2-Butanone

Concen: 28.257 ug/l

RT: 4.81 min Scan# 466

Delta R.T. 0.01 min

Lab File: VD059507.D

Acq: 2 Jul 2018 17:06

Instrument :

MSVOA_D

ClientSampleId :

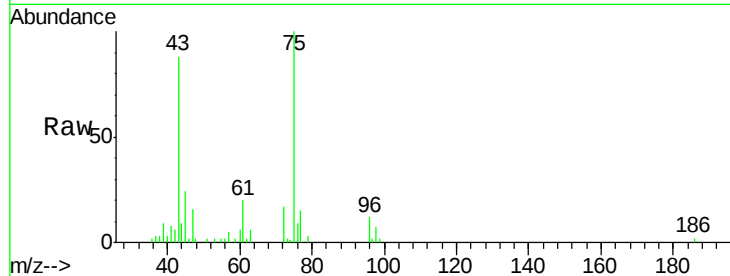
VSTDIC005

Tgt Ion: 43 Resp: 60699

Ion Ratio Lower Upper

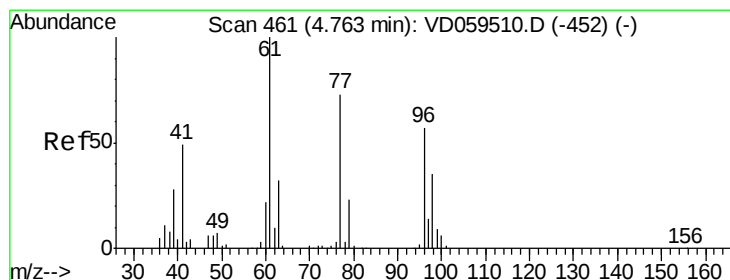
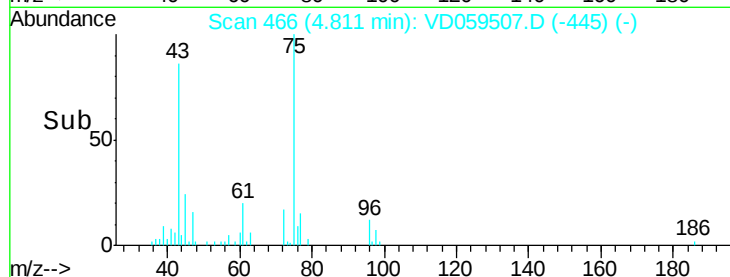
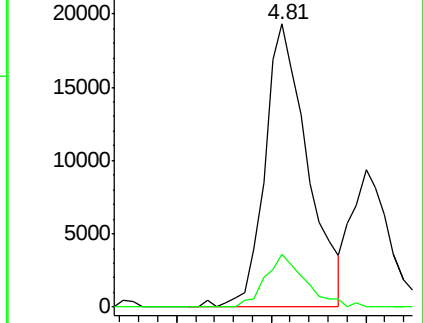
43 100

72 18.9 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: 5.357 ug/l

RT: 4.77 min Scan# 462

Delta R.T. 0.01 min

Lab File: VD059507.D

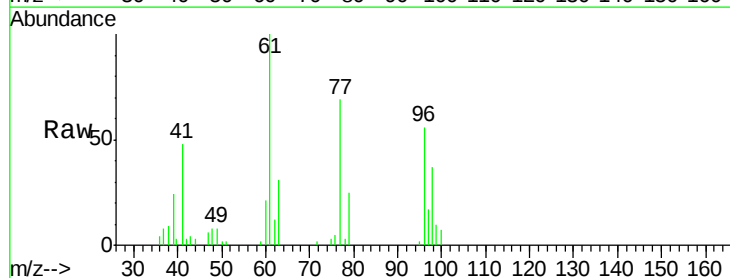
Acq: 2 Jul 2018 17:06

Tgt Ion: 77 Resp: 54698

Ion Ratio Lower Upper

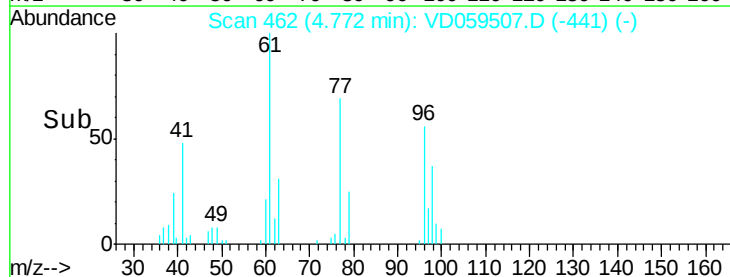
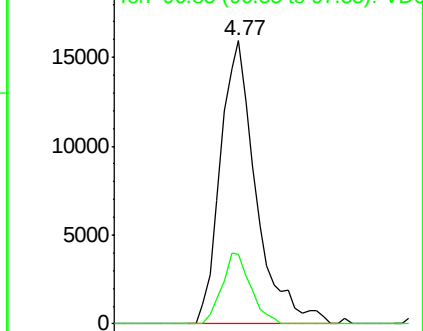
77 100

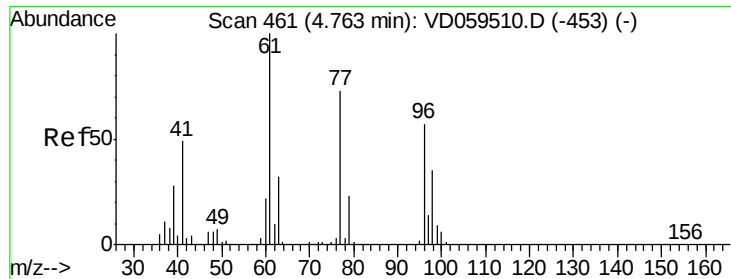
97 24.7 9.5 28.5



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



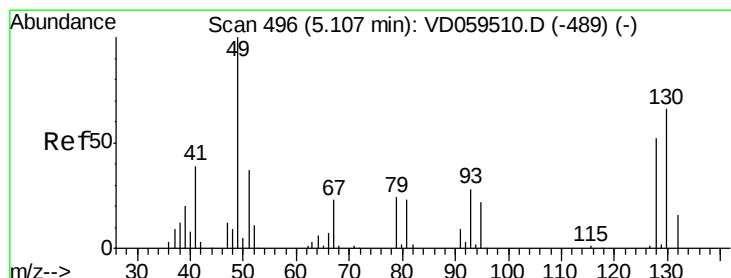
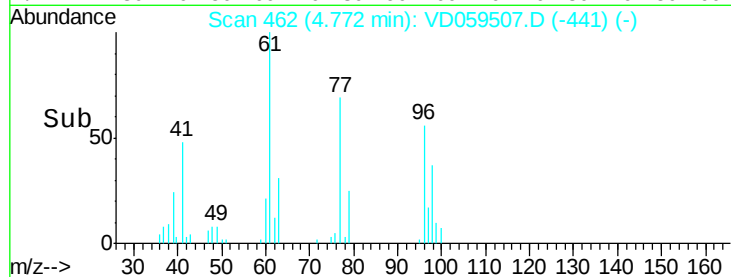
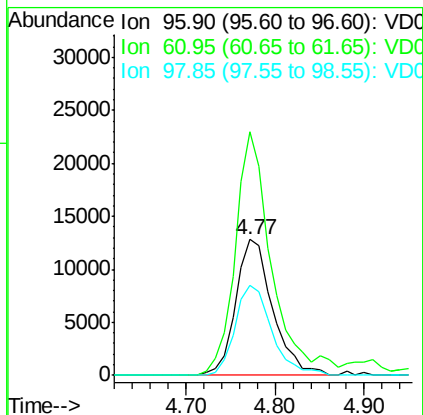
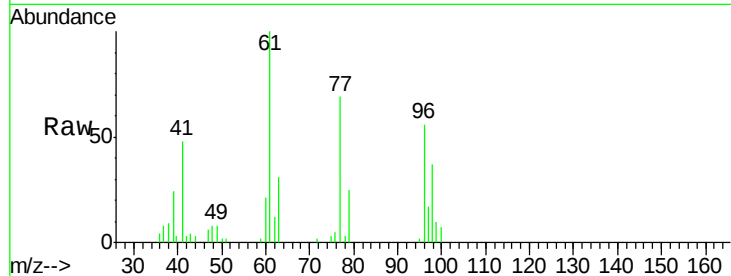


#27

cis-1,2-Dichloroethene
 Concen: 5.423 ug/l
 RT: 4.77 min Scan# 462
 Delta R.T. 0.01 min
 Lab File: VD059507.D
 Acq: 2 Jul 2018 17:06

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

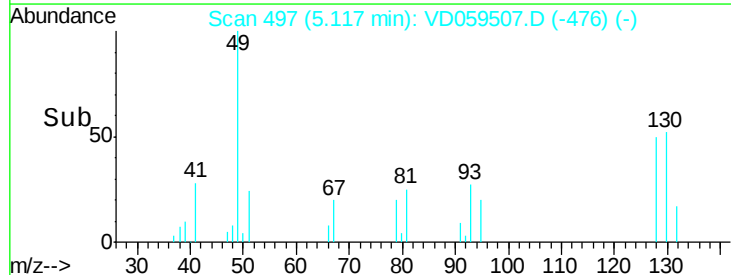
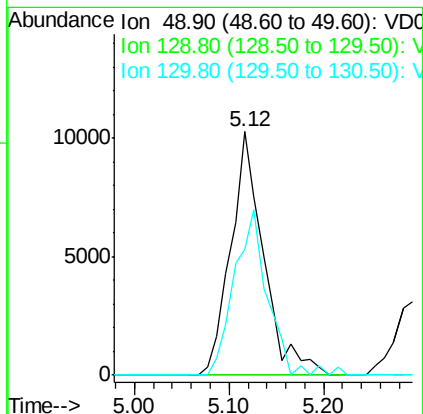
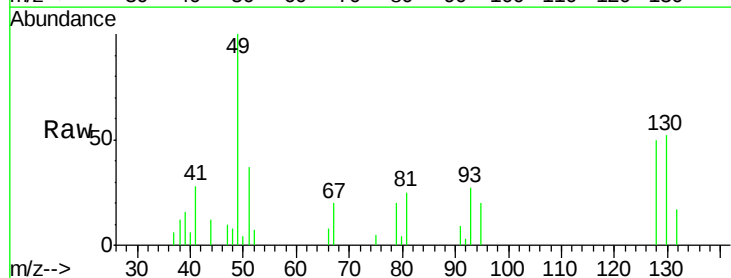
Tgt Ion: 96 Resp: 36910
 Ion Ratio Lower Upper
 96 100
 61 179.0 0.0 350.8
 98 65.9 0.0 123.4

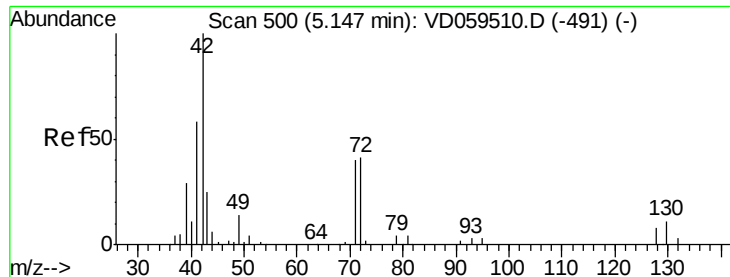


#28

Bromochloromethane
 Concen: 5.213 ug/l
 RT: 5.12 min Scan# 497
 Delta R.T. 0.01 min
 Lab File: VD059507.D
 Acq: 2 Jul 2018 17:06

Tgt Ion: 49 Resp: 24856
 Ion Ratio Lower Upper
 49 100
 129 0.0 0.0 4.4
 130 51.7 52.6 78.8#

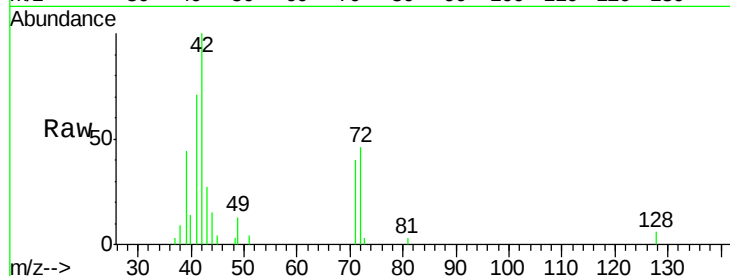




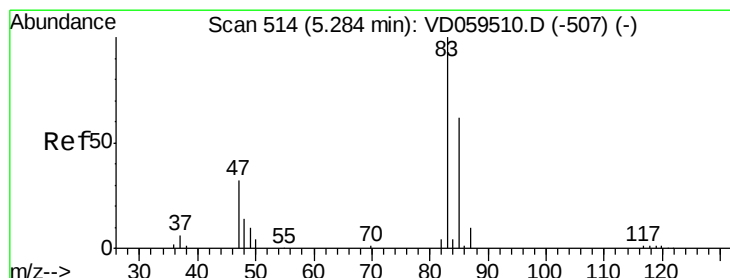
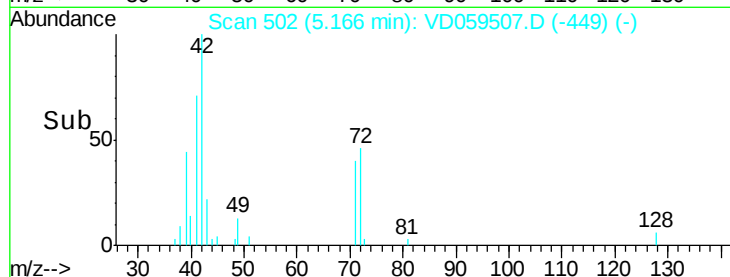
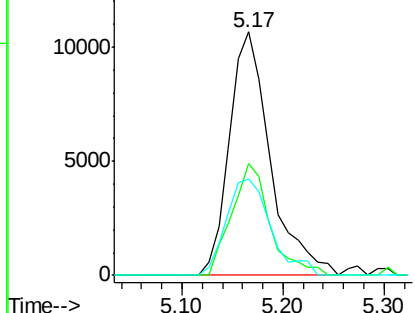
#29
Tetrahydrofuran
Concen: 27.367 ug/l
RT: 5.17 min Scan# 502
Delta R.T. 0.02 min
Lab File: VD059507.D
Acq: 2 Jul 2018 17:06

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tgt Ion: 42 Resp: 30191
Ion Ratio Lower Upper
42 100
72 43.0 32.9 49.3
71 43.1 31.6 47.4

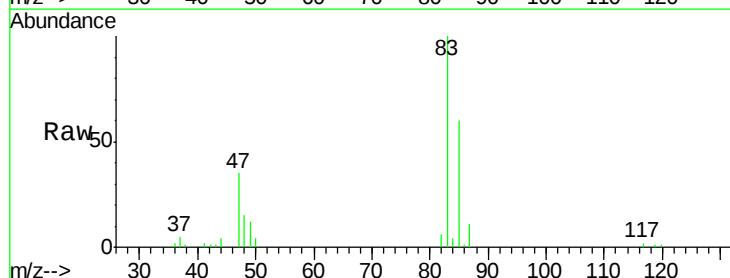


Abundance Ion 42.00 (41.70 to 42.70): VDC
Ion 72.00 (71.70 to 72.70): VDC
Ion 71.00 (70.70 to 71.70): VDC

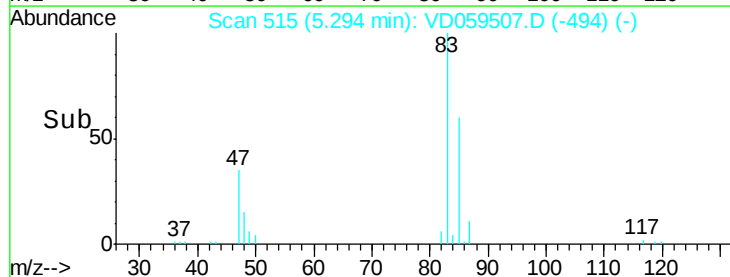
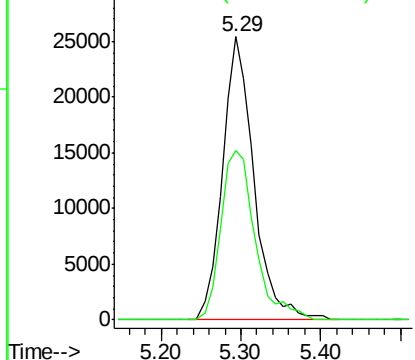


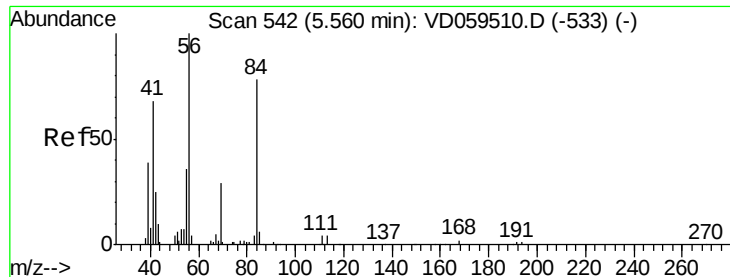
#30
Chloroform
Concen: 5.260 ug/l
RT: 5.29 min Scan# 515
Delta R.T. 0.01 min
Lab File: VD059507.D
Acq: 2 Jul 2018 17:06

Tgt Ion: 83 Resp: 69981
Ion Ratio Lower Upper
83 100
85 59.9 49.8 74.6



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

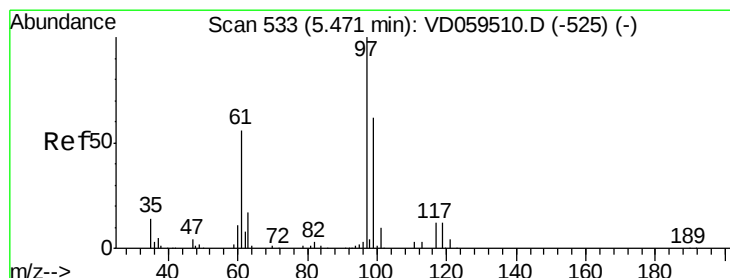
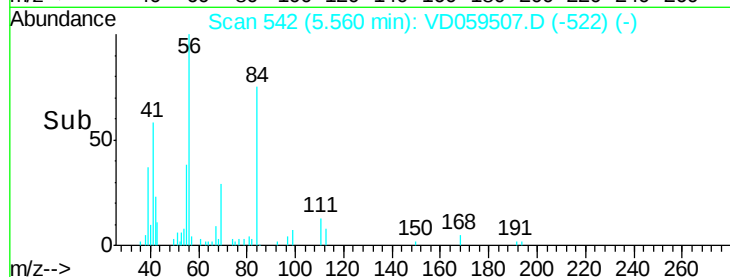
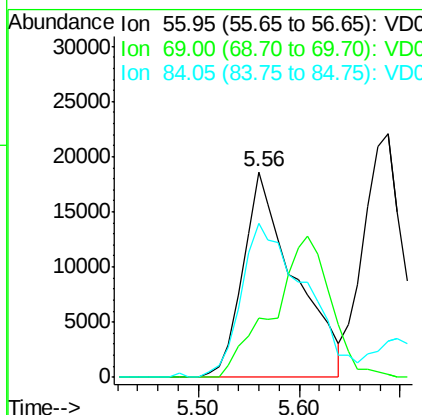
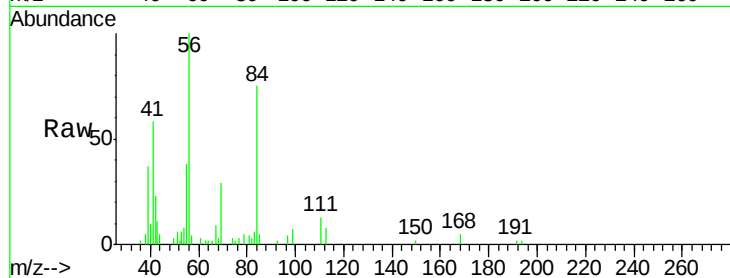




#31
Cyclohexane
Concen: 6.900 ug/l
RT: 5.56 min Scan# 542
Delta R.T. -0.00 min
Lab File: VD059507.D
Acq: 2 Jul 2018 17:06

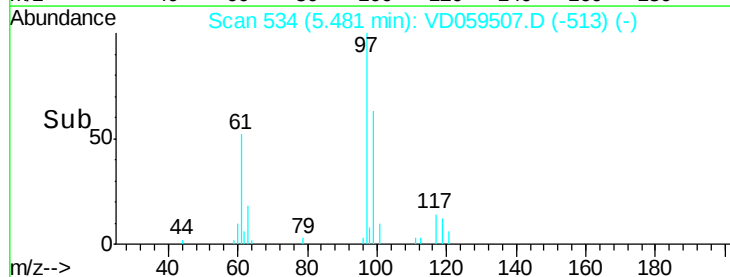
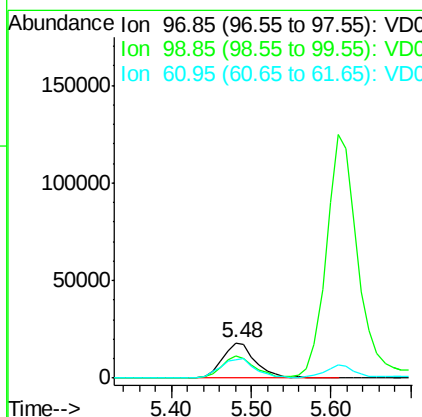
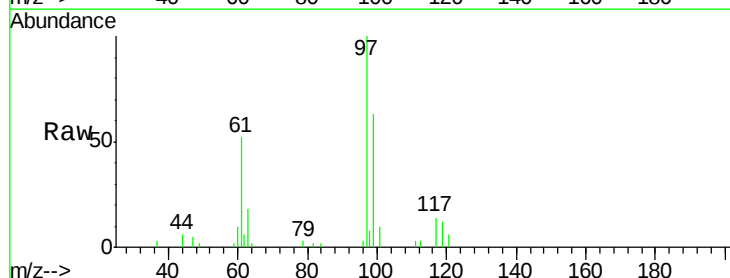
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

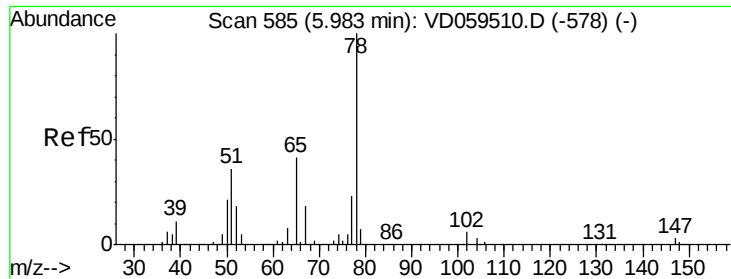
Tgt Ion: 56 Resp: 65912
Ion Ratio Lower Upper
56 100
69 28.8 22.9 34.3
84 75.0 63.4 95.0



#32
1,1,1-Trichloroethane
Concen: 5.063 ug/l
RT: 5.48 min Scan# 534
Delta R.T. 0.01 min
Lab File: VD059507.D
Acq: 2 Jul 2018 17:06

Tgt Ion: 97 Resp: 53635
Ion Ratio Lower Upper
97 100
99 63.5 49.6 74.4
61 51.5 44.8 67.2

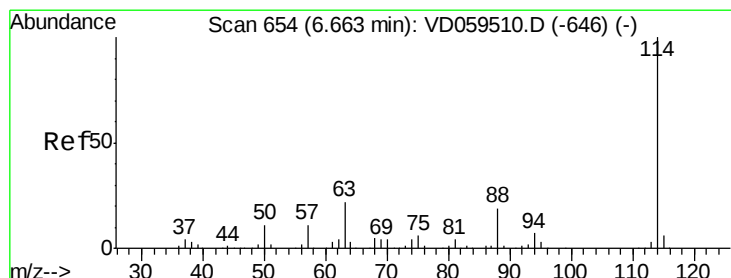
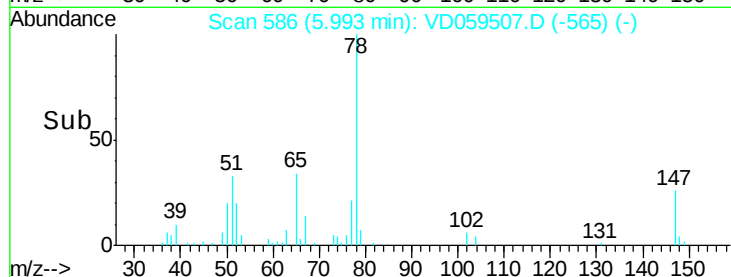
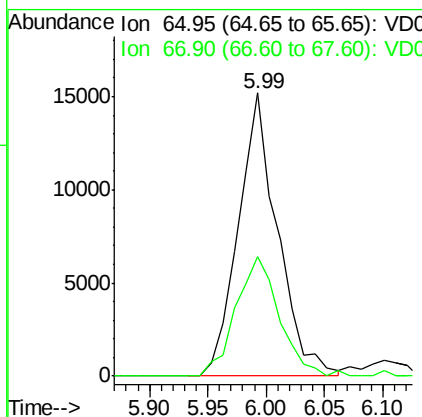
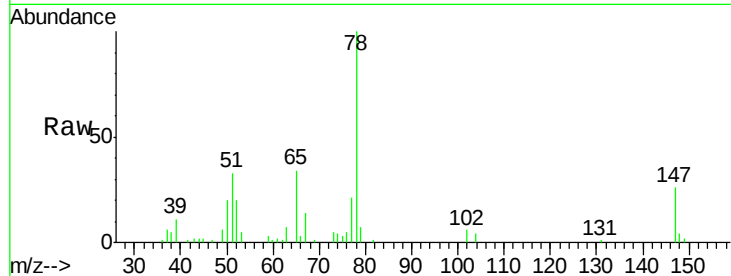




#33
 1,2-Dichloroethane-d4
 Concen: 5.063 ug/l
 RT: 5.99 min Scan# 586
 Delta R.T. 0.01 min
 Lab File: VD059507.D
 Acq: 2 Jul 2018 17:06

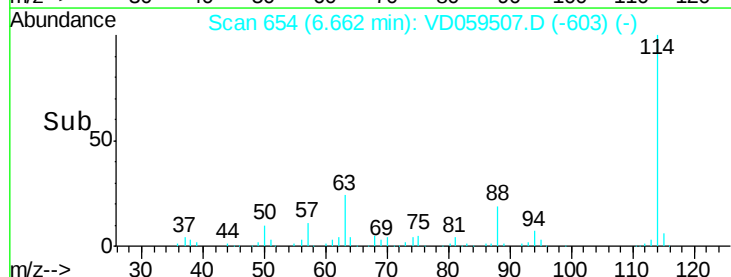
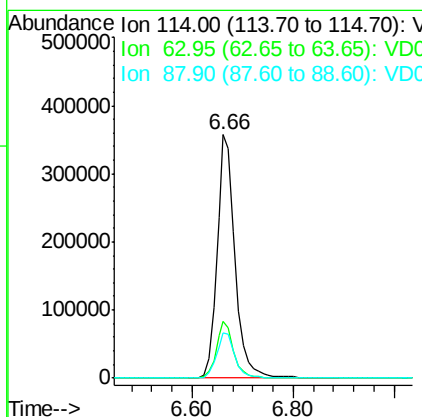
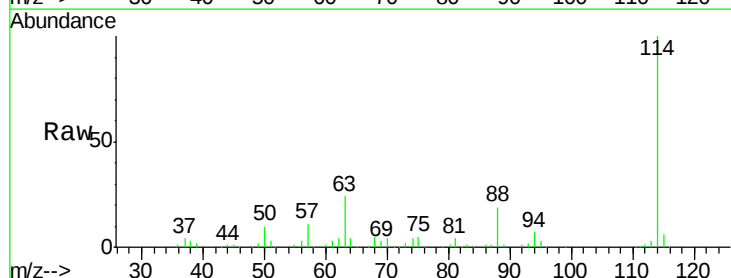
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

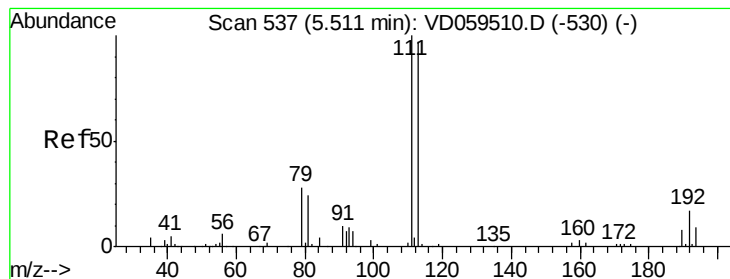
Tgt Ion: 65 Resp: 35485
 Ion Ratio Lower Upper
 65 100
 67 42.0 0.0 90.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.66 min Scan# 654
 Delta R.T. -0.00 min
 Lab File: VD059507.D
 Acq: 2 Jul 2018 17:06

Tgt Ion: 114 Resp: 890660
 Ion Ratio Lower Upper
 114 100
 63 23.5 0.0 44.4
 88 18.7 0.0 37.8





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 5.52 min Scan# 538

Delta R.T. 0.01 min

Lab File: VD059507.D

Acq: 2 Jul 2018 17:06

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

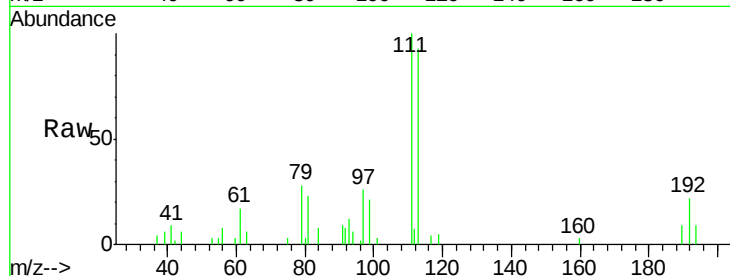
Tgt Ion:113 Resp: 33862

Ion Ratio Lower Upper

113 100

111 107.6 82.7 124.1

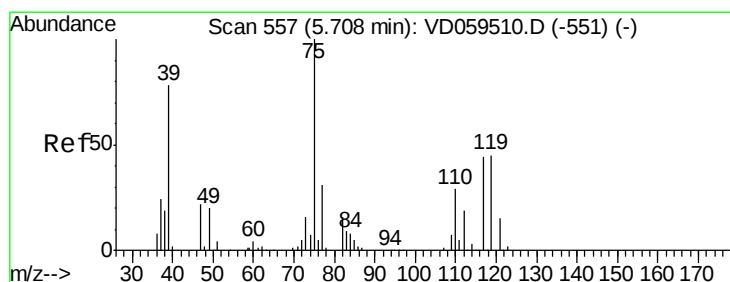
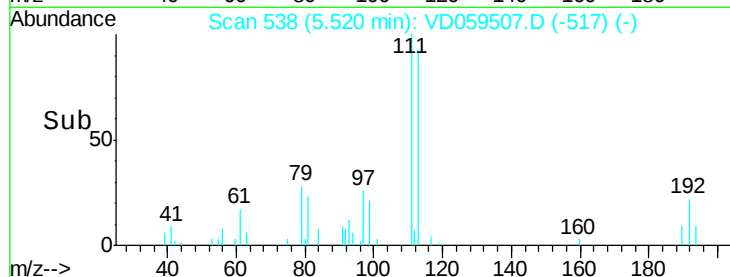
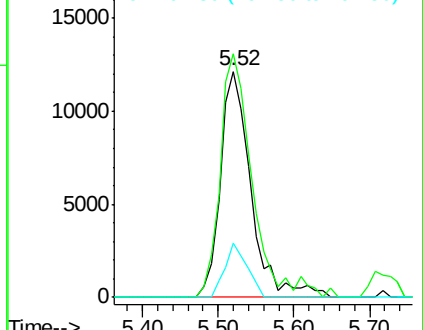
192 23.9 14.2 21.2#



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: 5.805 ug/l

RT: 5.72 min Scan# 558

Delta R.T. 0.01 min

Lab File: VD059507.D

Acq: 2 Jul 2018 17:06

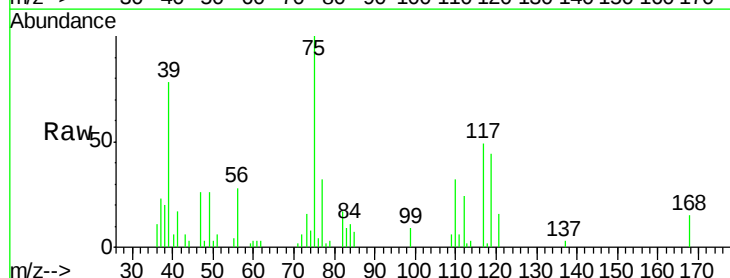
Tgt Ion: 75 Resp: 54528

Ion Ratio Lower Upper

75 100

110 32.5 14.4 43.4

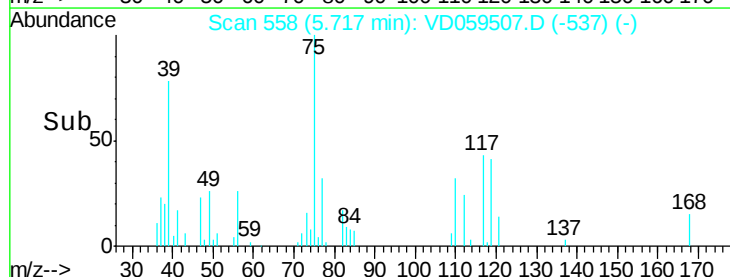
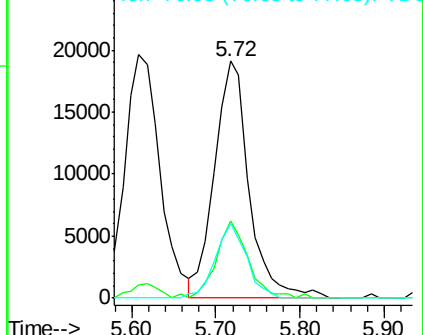
77 31.6 25.0 37.6

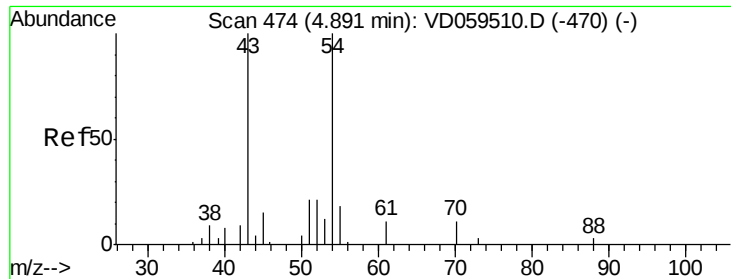


Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): VDC

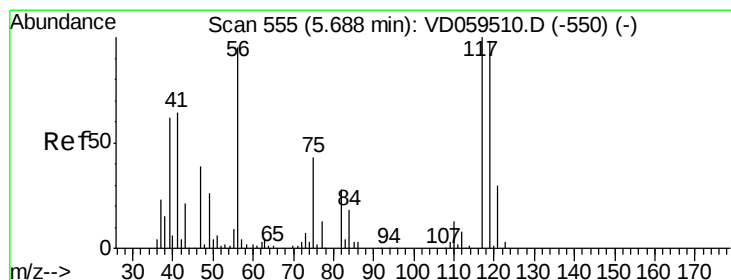
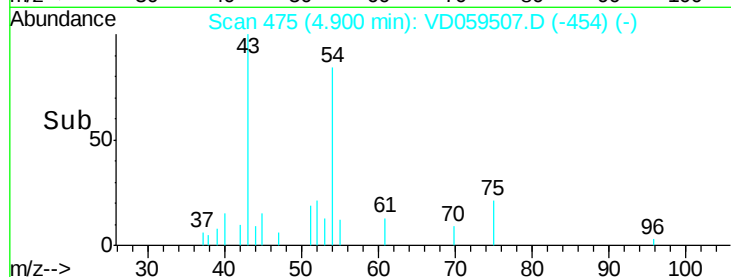
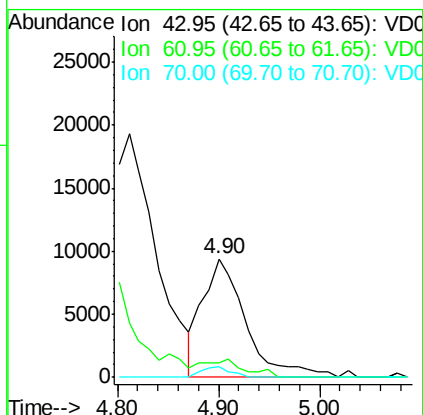
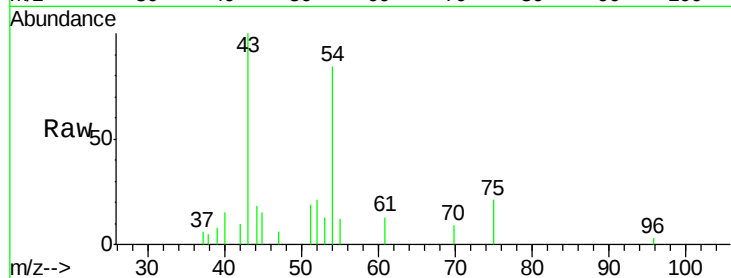




#37
Ethyl Acetate
Concen: 5.300 ug/l
RT: 4.90 min Scan# 475
Delta R.T. 0.01 min
Lab File: VD059507.D
Acq: 2 Jul 2018 17:06

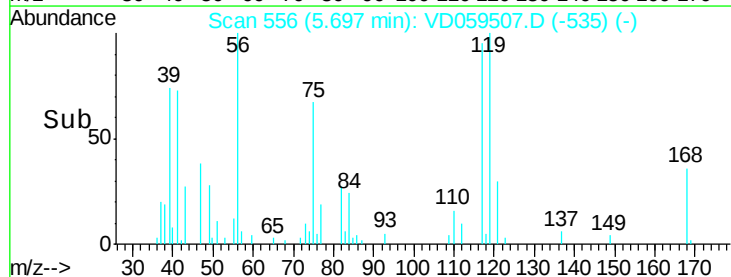
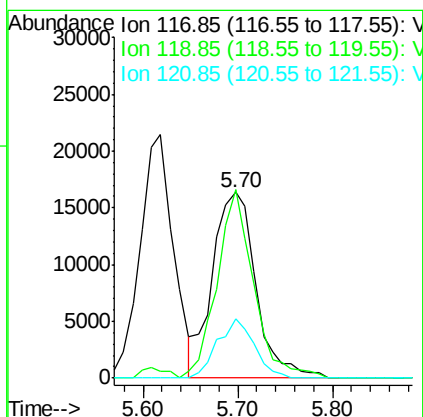
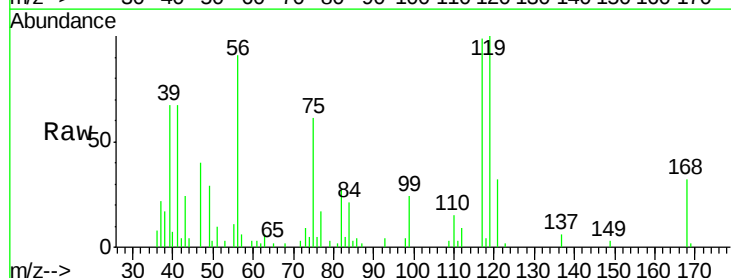
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

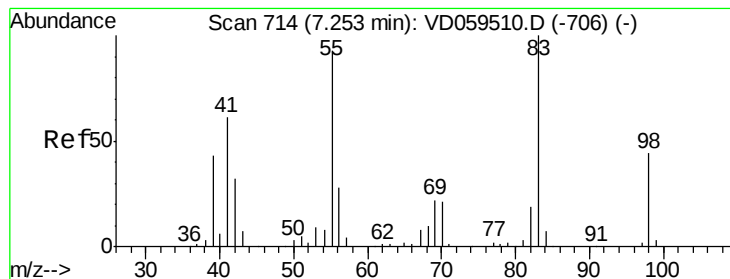
Tgt Ion: 43 Resp: 27971
Ion Ratio Lower Upper
43 100
61 12.7 11.5 17.3
70 8.5 6.8 10.2



#38
Carbon Tetrachloride
Concen: 5.711 ug/l
RT: 5.70 min Scan# 556
Delta R.T. 0.01 min
Lab File: VD059507.D
Acq: 2 Jul 2018 17:06

Tgt Ion: 117 Resp: 52162
Ion Ratio Lower Upper
117 100
119 101.1 76.4 114.6
121 32.1 23.9 35.9





#39

Methylcyclohexane

Concen: 5.342 ug/l

RT: 7.26 min Scan# 715

Delta R.T. 0.01 min

Lab File: VD059507.D

Acq: 2 Jul 2018 17:06

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

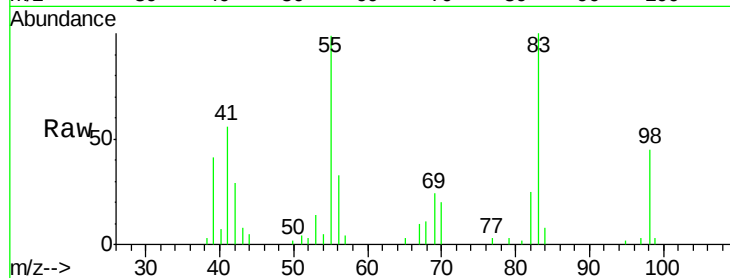
Tgt Ion: 83 Resp: 46392

Ion Ratio Lower Upper

83 100

55 99.4 74.2 111.4

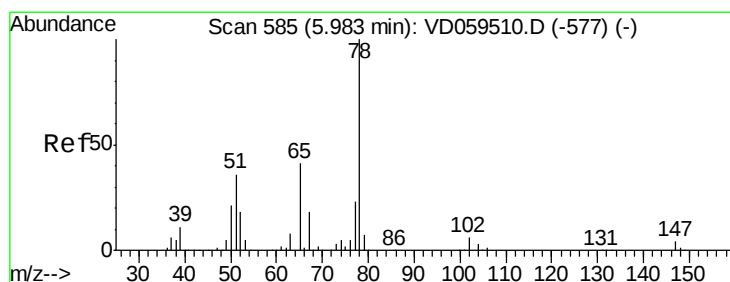
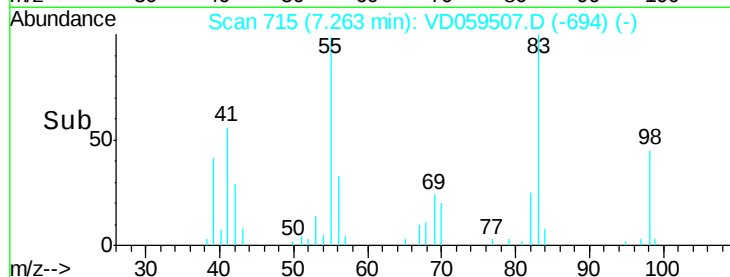
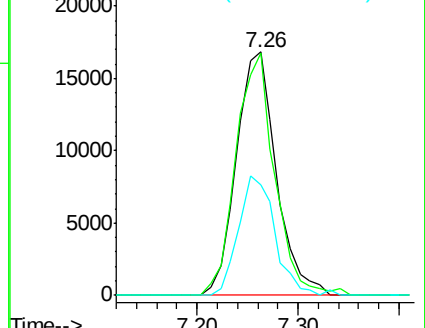
98 45.4 35.5 53.3



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: 5.633 ug/l

RT: 5.98 min Scan# 585

Delta R.T. -0.00 min

Lab File: VD059507.D

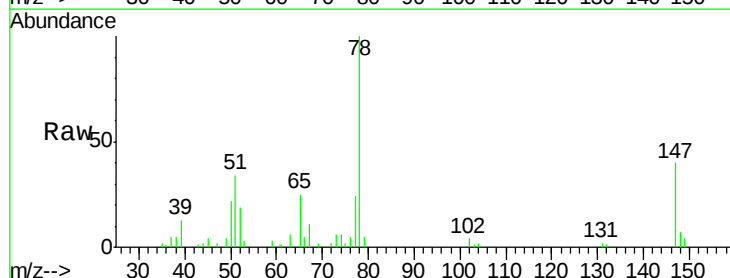
Acq: 2 Jul 2018 17:06

Tgt Ion: 78 Resp: 121757

Ion Ratio Lower Upper

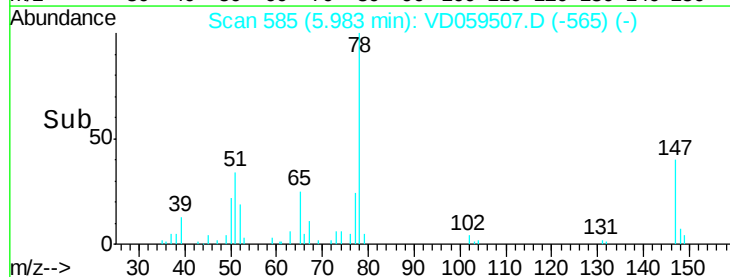
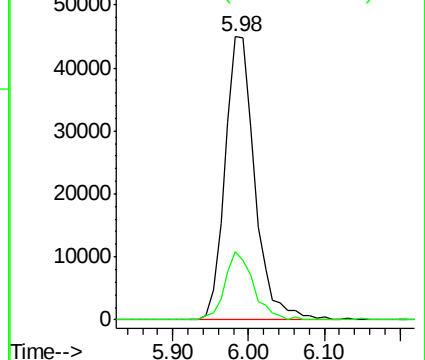
78 100

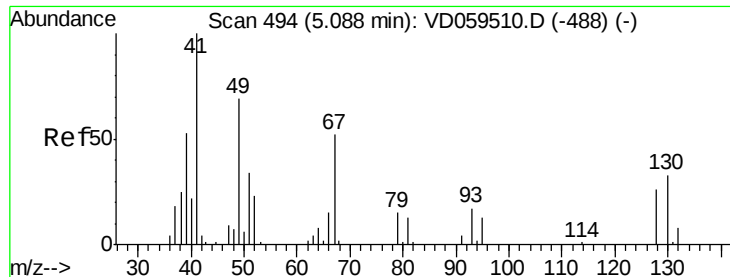
77 24.1 18.6 27.8



Abundance Ion 77.95 (77.65 to 78.65): VDC

Ion 76.95 (76.65 to 77.65): VDC

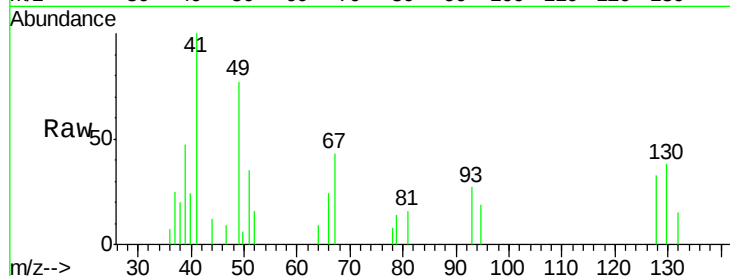




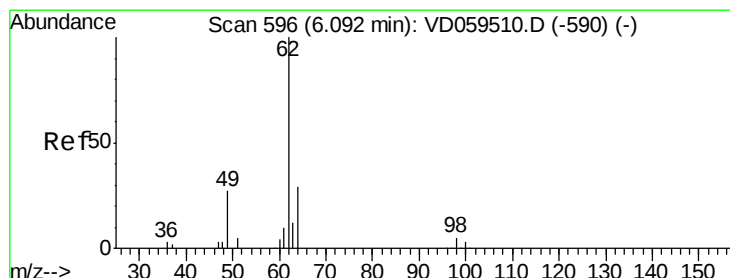
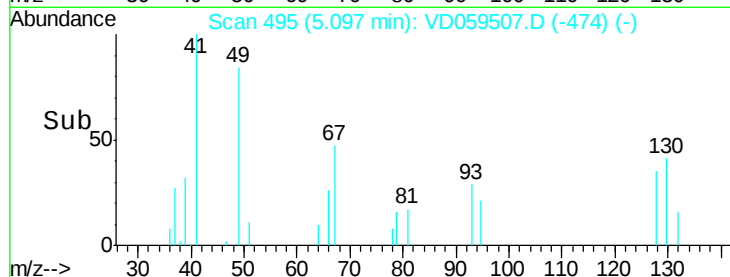
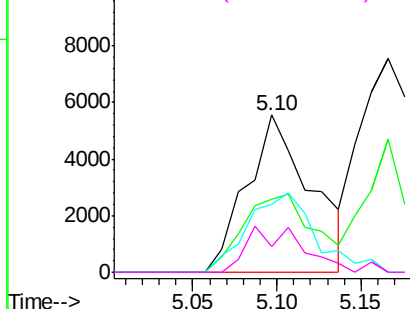
#41
Methacrylonitrile
Concen: 5.550 ug/l
RT: 5.10 min Scan# 495
Delta R.T. 0.01 min
Lab File: VD059507.D
Acq: 2 Jul 2018 17:06

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tgt Ion: 41 Resp: 14606
Ion Ratio Lower Upper
41 100
39 46.9 43.0 64.4
67 43.4 41.4 62.2
52 16.3 18.6 28.0#

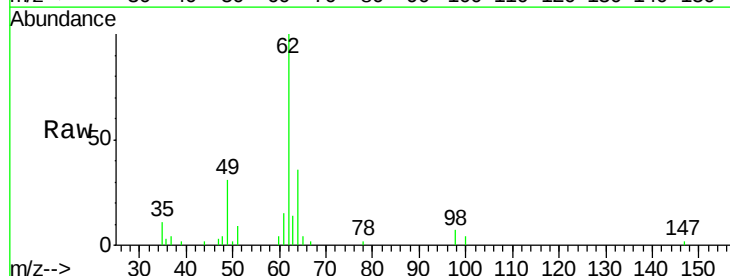


Abundance Ion 40.95 (40.65 to 41.65): VDC
Ion 38.95 (38.65 to 39.65): VDC
Ion 67.00 (66.70 to 67.70): VDC
Ion 52.00 (51.70 to 52.70): VDC

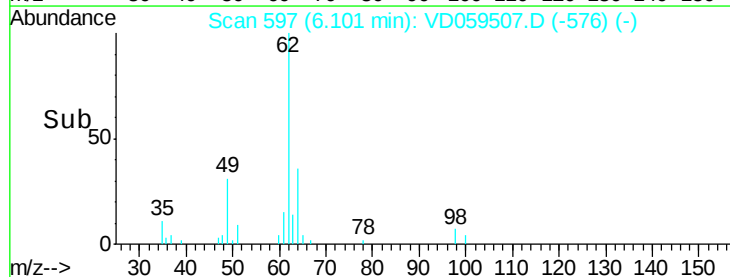
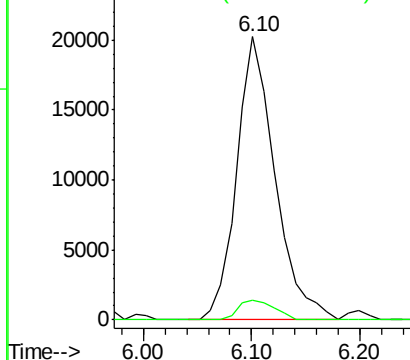


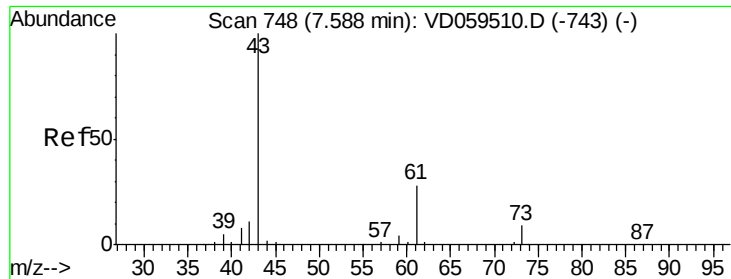
#42
1,2-Dichloroethane
Concen: 5.174 ug/l
RT: 6.10 min Scan# 597
Delta R.T. 0.01 min
Lab File: VD059507.D
Acq: 2 Jul 2018 17:06

Tgt Ion: 62 Resp: 49916
Ion Ratio Lower Upper
62 100
98 6.9 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: 5.045 ug/l

RT: 7.60 min Scan# 749

Delta R.T. 0.01 min

Lab File: VD059507.D

Acq: 2 Jul 2018 17:06

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

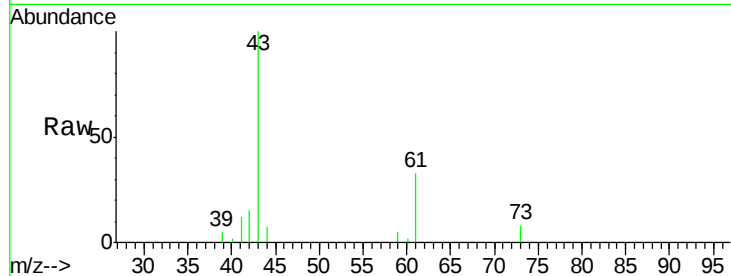
Tgt Ion: 43 Resp: 34737

Ion Ratio Lower Upper

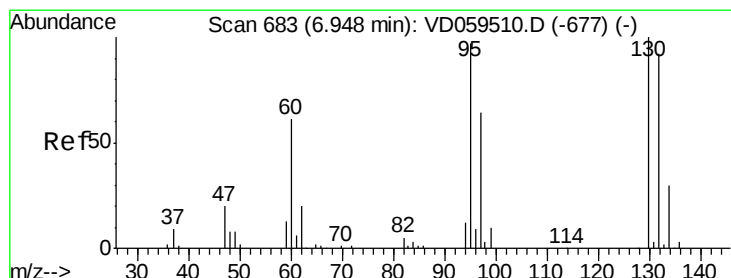
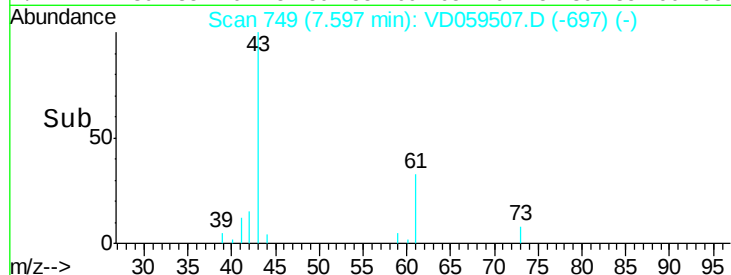
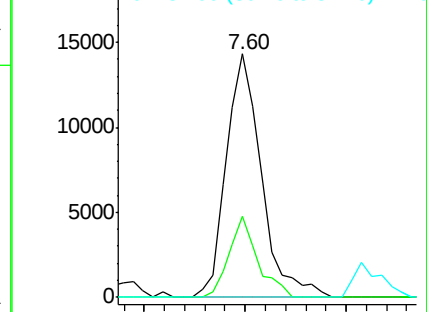
43 100

61 33.1 22.3 33.5

87 0.0 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: 5.290 ug/l

RT: 6.96 min Scan# 684

Delta R.T. 0.01 min

Lab File: VD059507.D

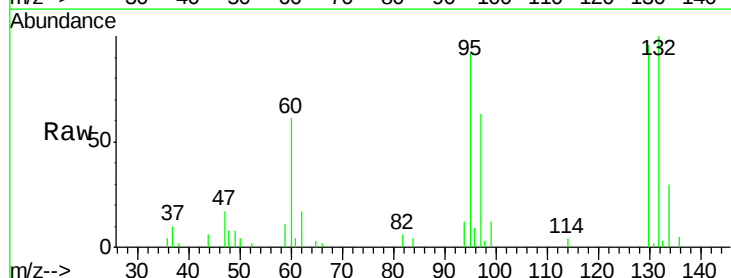
Acq: 2 Jul 2018 17:06

Tgt Ion:130 Resp: 35781

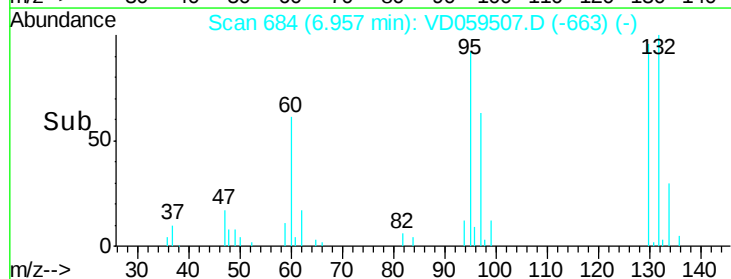
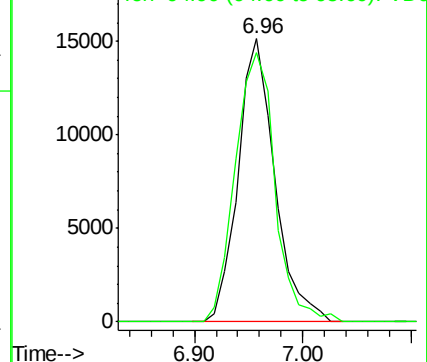
Ion Ratio Lower Upper

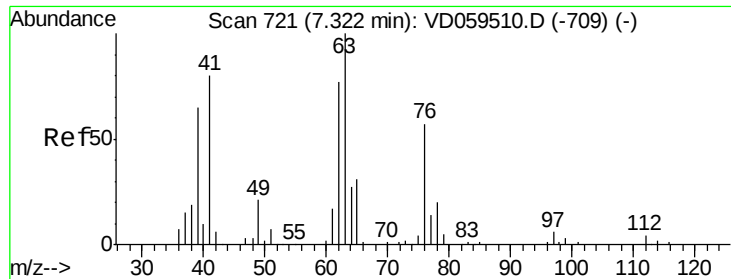
130 100

95 95.4 0.0 193.6



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

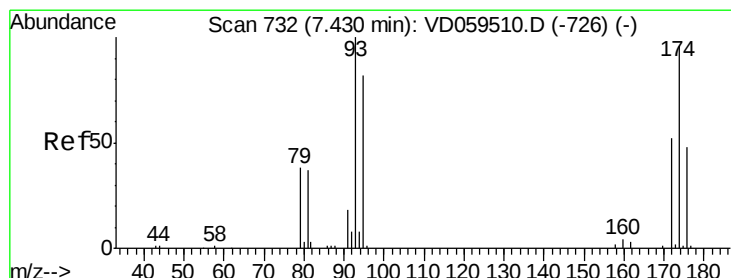
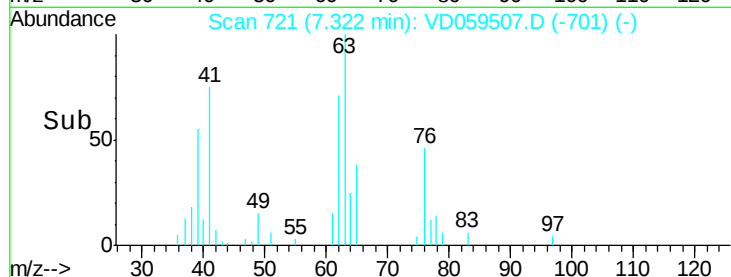
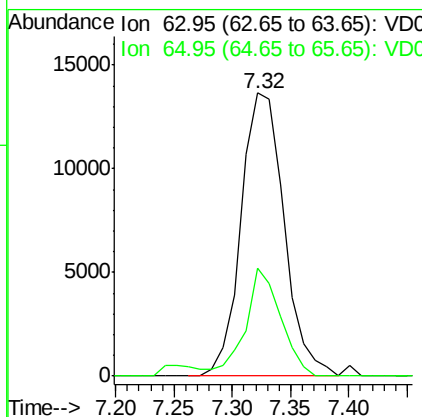
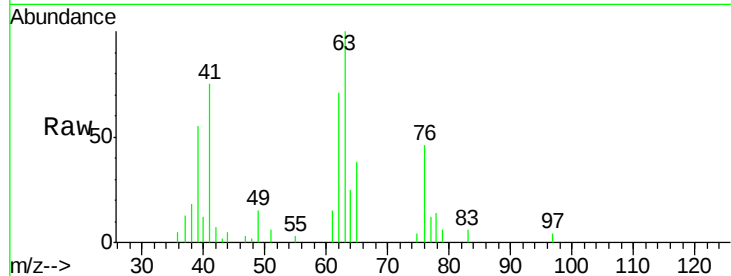




#45
 1,2-Dichloropropane
 Concen: 5.858 ug/l
 RT: 7.32 min Scan# 721
 Delta R.T. -0.00 min
 Lab File: VD059507.D
 Acq: 2 Jul 2018 17:06

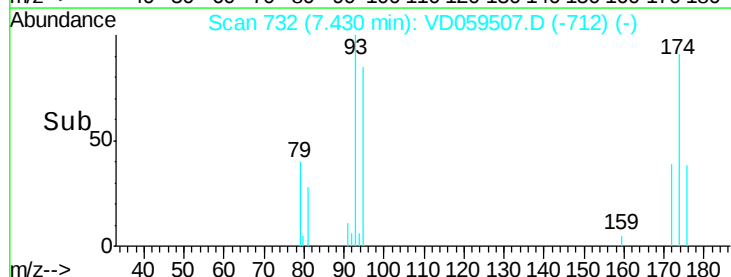
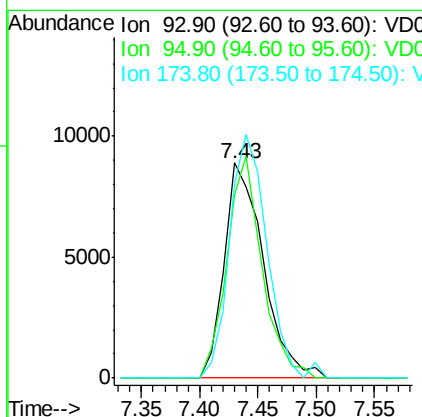
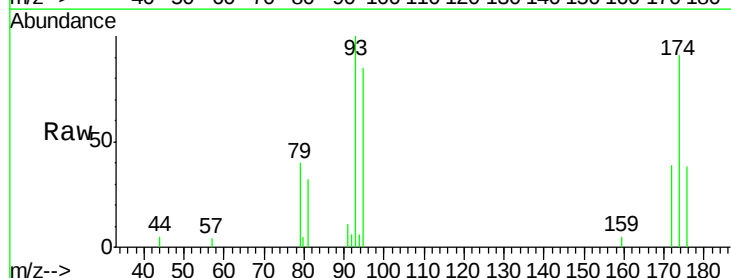
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

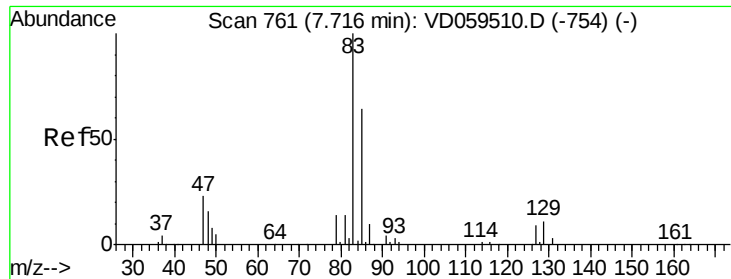
Tgt Ion: 63 Resp: 34938
 Ion Ratio Lower Upper
 63 100
 65 38.4 24.4 36.6#



#46
 Dibromomethane
 Concen: 5.064 ug/l
 RT: 7.43 min Scan# 732
 Delta R.T. -0.00 min
 Lab File: VD059507.D
 Acq: 2 Jul 2018 17:06

Tgt Ion: 93 Resp: 20793
 Ion Ratio Lower Upper
 93 100
 95 85.1 65.7 98.5
 174 90.6 77.2 115.8





#47

Bromodichloromethane

Concen: 4.976 ug/l

RT: 7.72 min Scan# 761

Delta R.T. -0.00 min

Lab File: VD059507.D

Acq: 2 Jul 2018 17:06

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

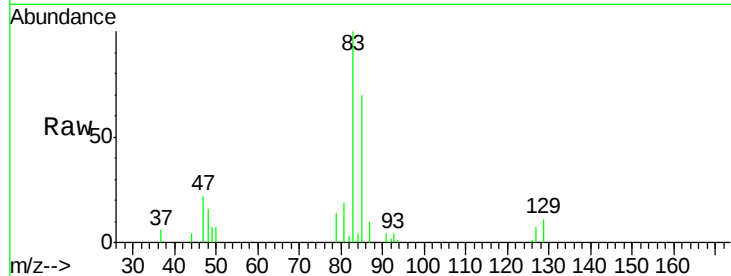
Tgt Ion: 83 Resp: 47243

Ion Ratio Lower Upper

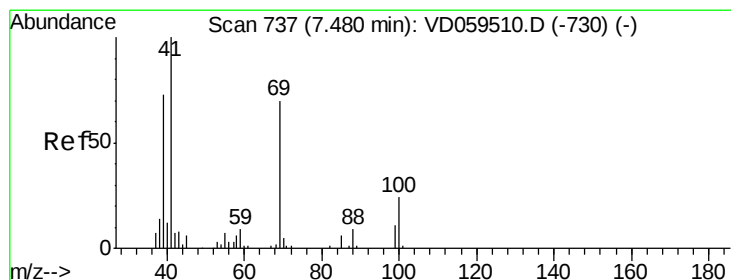
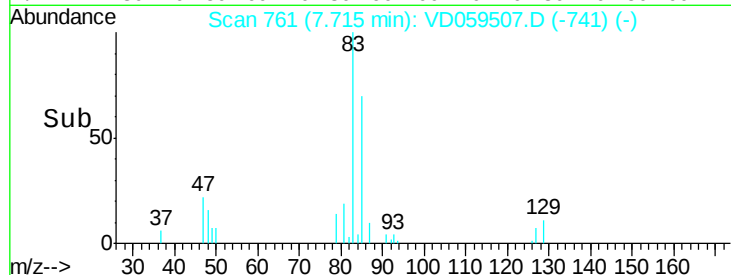
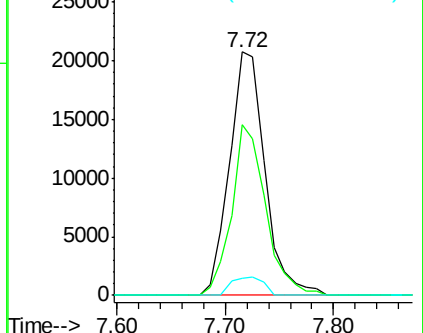
83 100

85 70.0 51.0 76.4

127 7.0 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: 5.070 ug/l

RT: 7.48 min Scan# 737

Delta R.T. -0.00 min

Lab File: VD059507.D

Acq: 2 Jul 2018 17:06

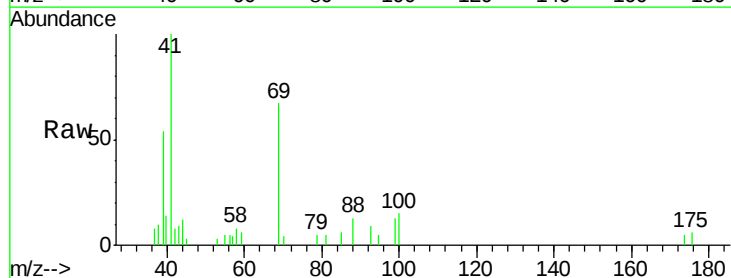
Tgt Ion: 41 Resp: 21585

Ion Ratio Lower Upper

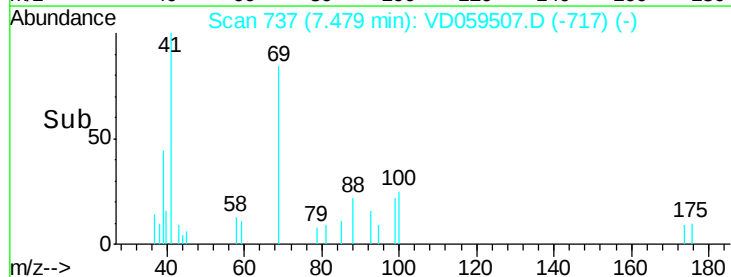
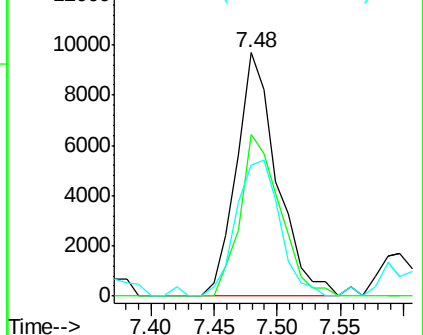
41 100

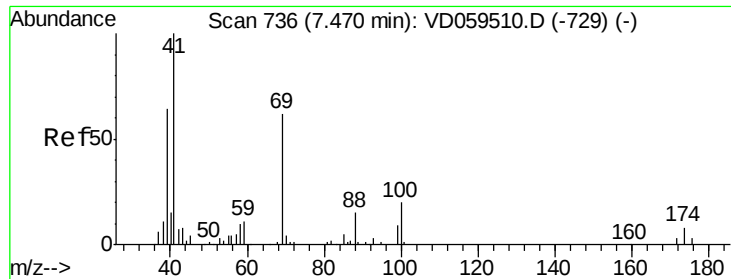
69 66.5 55.8 83.8

39 53.9 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: 92.183 ug/l

RT: 7.47 min Scan# 736

Delta R.T. -0.00 min

Lab File: VD059507.D

Acq: 2 Jul 2018 17:06

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

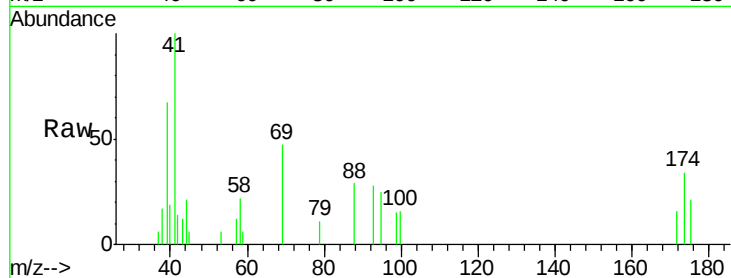
Tgt Ion: 88 Resp: 3762

Ion Ratio Lower Upper

88 100

43 40.8 41.4 62.0#

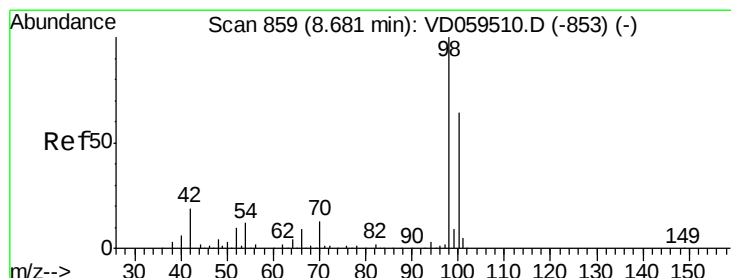
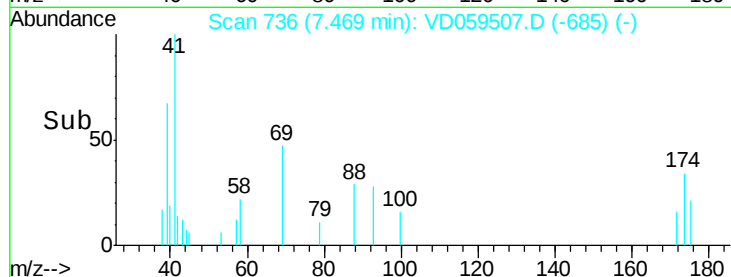
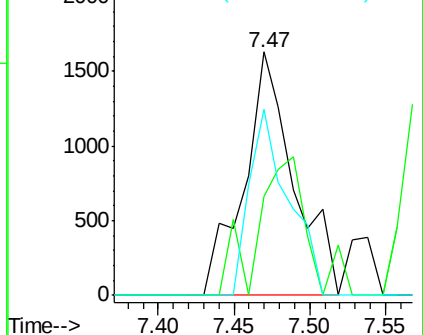
58 76.5 49.4 74.2#



Abundance Ion 88.00 (87.70 to 88.70): VDC

Ion 43.05 (42.75 to 43.75): VDC

Ion 57.95 (57.65 to 58.65): VDC



#50

Toluene-d8

Concen: 92.183 ug/l

RT: 8.69 min Scan# 860

Delta R.T. 0.01 min

Lab File: VD059507.D

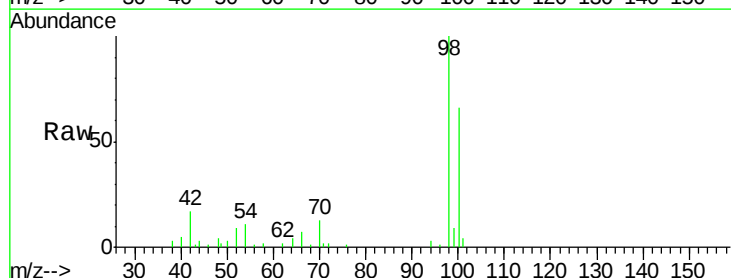
Acq: 2 Jul 2018 17:06

Tgt Ion: 98 Resp: 80488

Ion Ratio Lower Upper

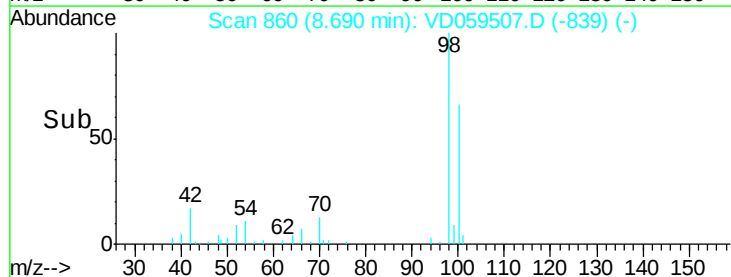
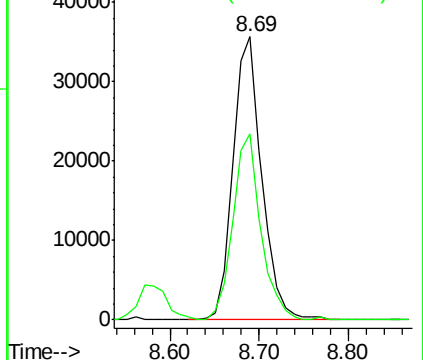
98 100

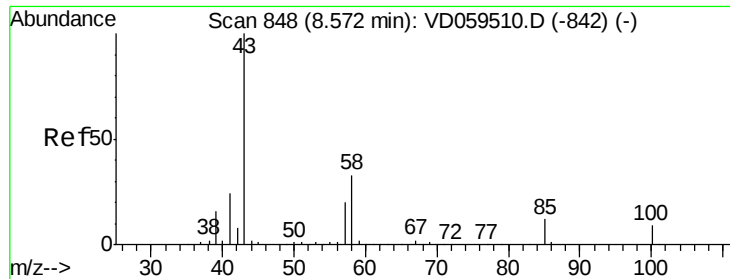
100 65.9 51.8 77.8



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: 24.680 ug/l

RT: 8.57 min Scan# 848

Delta R.T. -0.00 min

Lab File: VD059507.D

Acq: 2 Jul 2018 17:06

Instrument :

MSVOA_D

ClientSampleId :

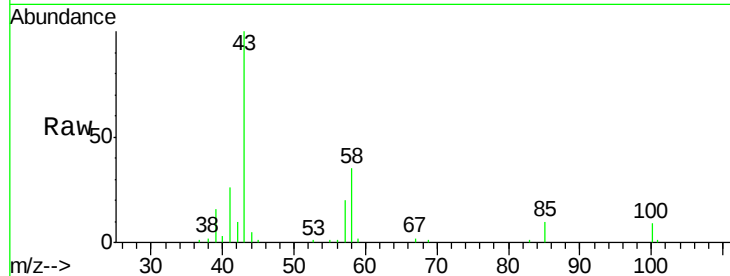
VSTDIC005

Tgt Ion: 43 Resp: 112404

Ion Ratio Lower Upper

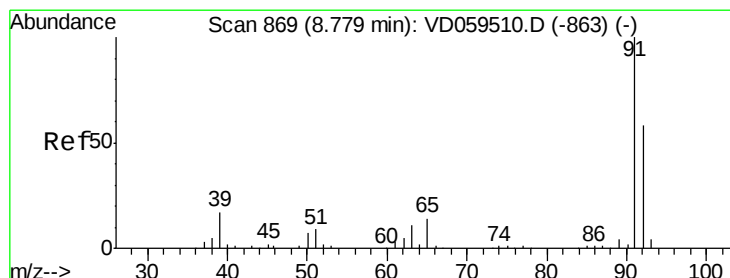
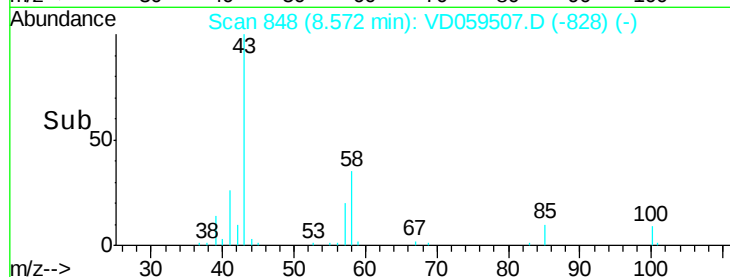
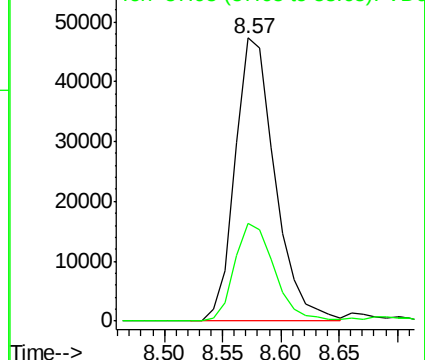
43 100

58 34.7 26.7 40.1



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#52

Toluene

Concen: 5.497 ug/l

RT: 8.78 min Scan# 869

Delta R.T. -0.00 min

Lab File: VD059507.D

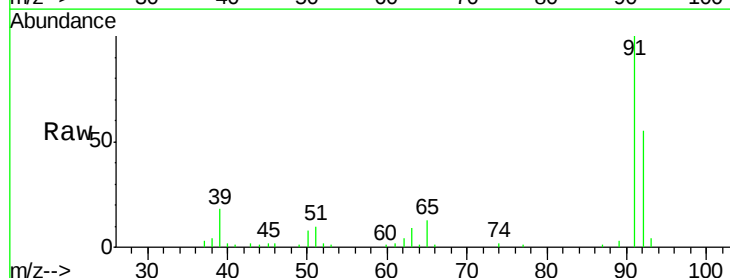
Acq: 2 Jul 2018 17:06

Tgt Ion: 92 Resp: 66648

Ion Ratio Lower Upper

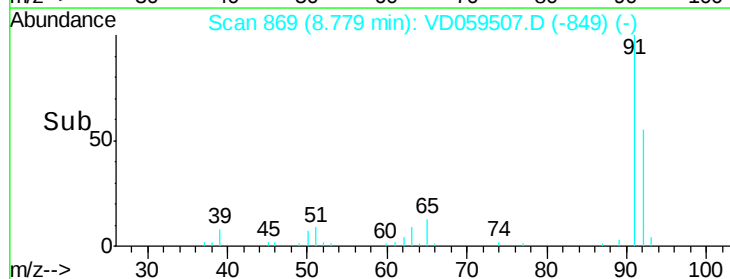
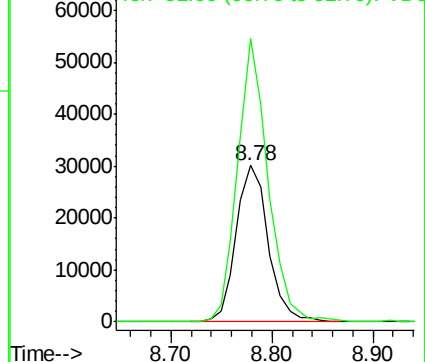
92 100

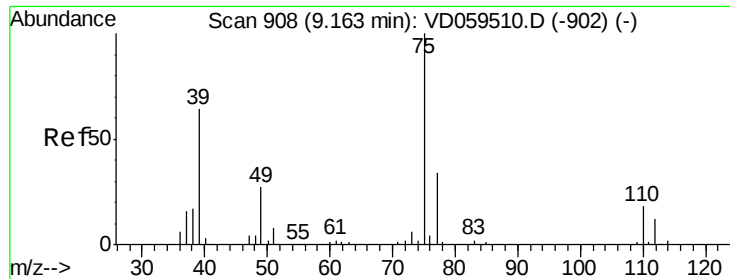
91 181.3 138.8 208.2



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

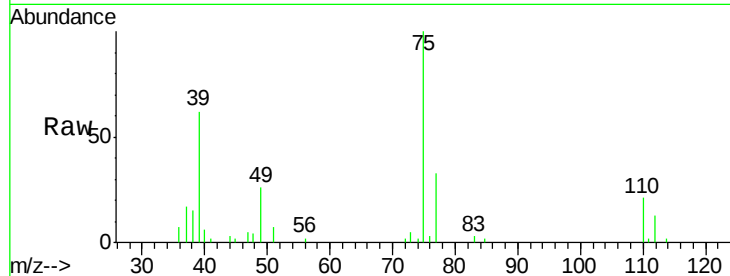




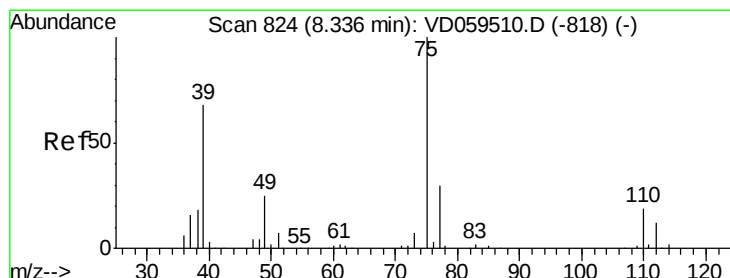
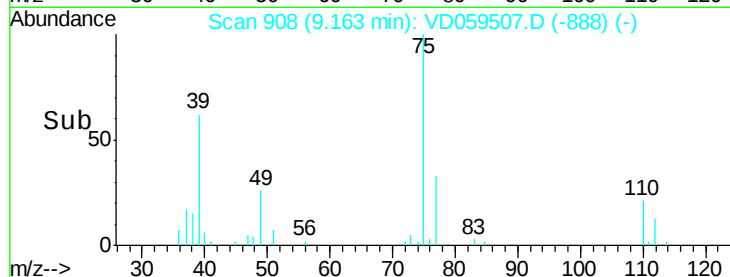
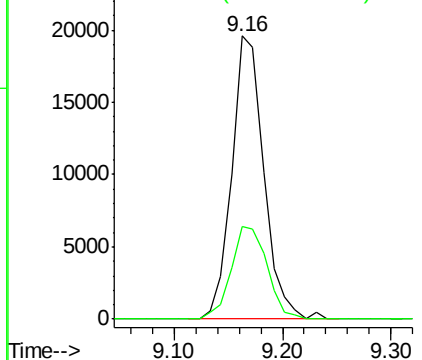
#53
 t-1,3-Dichloropropene
 Concen: 4.880 ug/l
 RT: 9.16 min Scan# 908
 Delta R.T. -0.00 min
 Lab File: VD059507.D
 Acq: 2 Jul 2018 17:06

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

Tgt Ion: 75 Resp: 40344
 Ion Ratio Lower Upper
 75 100
 77 32.7 26.9 40.3

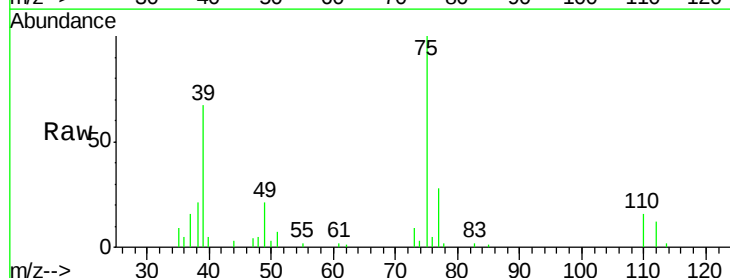


Abundance Ion 75.00 (74.70 to 75.70): VDC
 Ion 76.95 (76.65 to 77.65): VDC

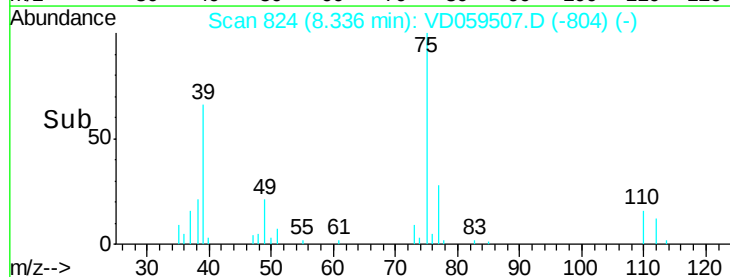
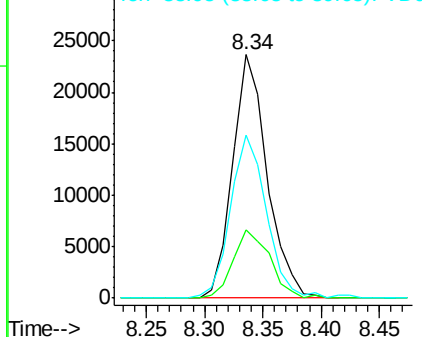


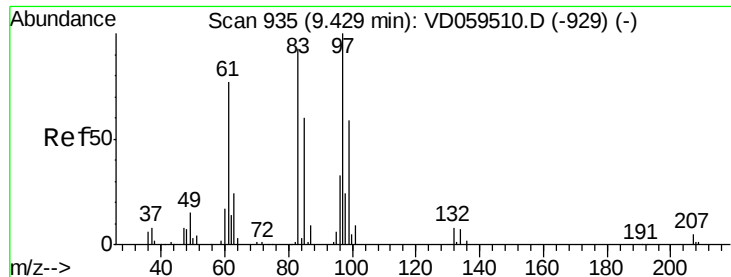
#54
 cis-1,3-Dichloropropene
 Concen: 5.099 ug/l
 RT: 8.34 min Scan# 824
 Delta R.T. -0.00 min
 Lab File: VD059507.D
 Acq: 2 Jul 2018 17:06

Tgt Ion: 75 Resp: 48677
 Ion Ratio Lower Upper
 75 100
 77 28.3 24.4 36.6
 39 67.1 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





#55

1,1,2-Trichloroethane

Concen: 5.495 ug/l

RT: 9.44 min Scan# 936

Delta R.T. 0.01 min

Lab File: VD059507.D

Acq: 2 Jul 2018 17:06

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

Tgt Ion: 97 Resp: 24155

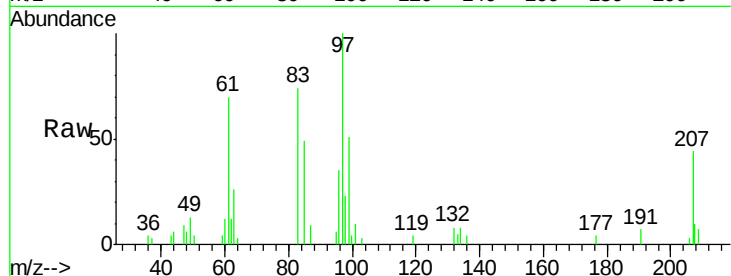
Ion Ratio Lower Upper

97 100

83 73.6 74.3 111.5#

85 48.5 48.1 72.1

99 50.5 47.2 70.8

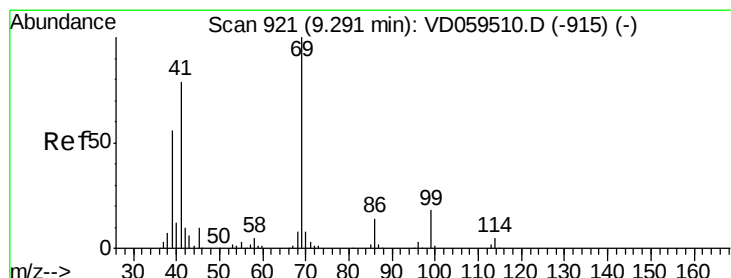
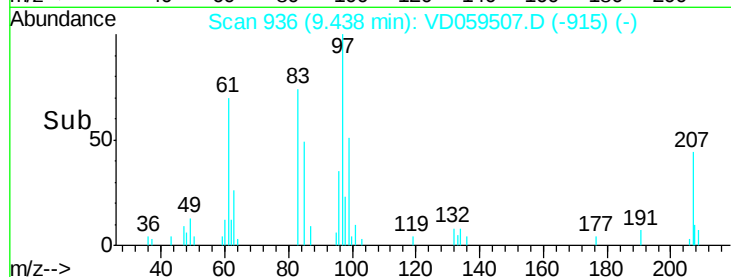
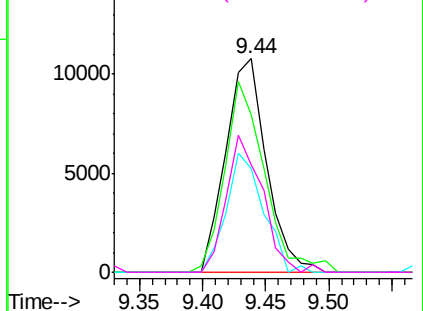


Abundance Ion 96.85 (96.55 to 97.55): VDC

Ion 82.95 (82.65 to 83.65): VDC

Ion 84.95 (84.65 to 85.65): VDC

Ion 98.85 (98.55 to 99.55): VDC



#56

Ethyl methacrylate

Concen: 5.360 ug/l

RT: 9.29 min Scan# 921

Delta R.T. -0.00 min

Lab File: VD059507.D

Acq: 2 Jul 2018 17:06

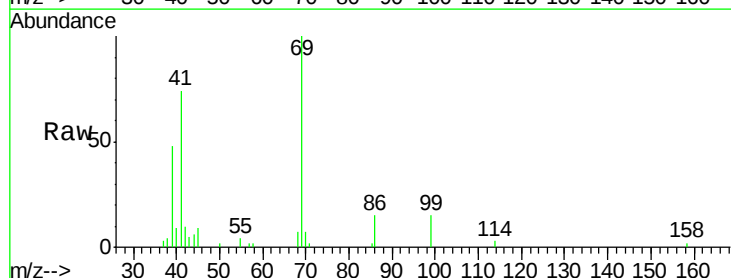
Tgt Ion: 69 Resp: 28949

Ion Ratio Lower Upper

69 100

41 73.7 63.4 95.0

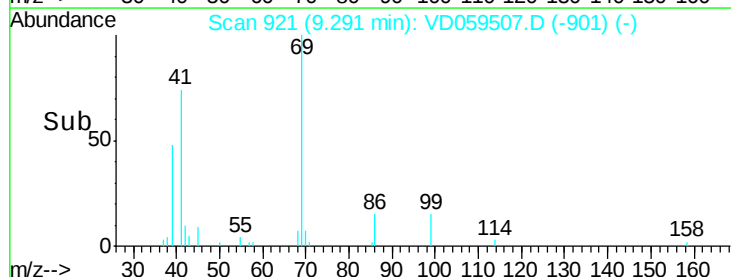
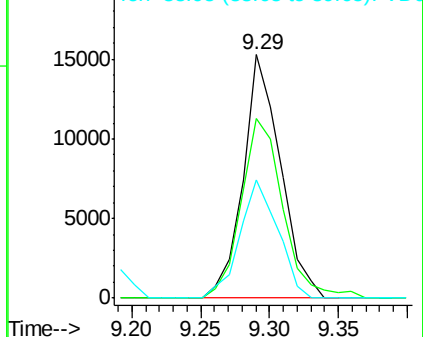
39 48.3 45.0 67.6

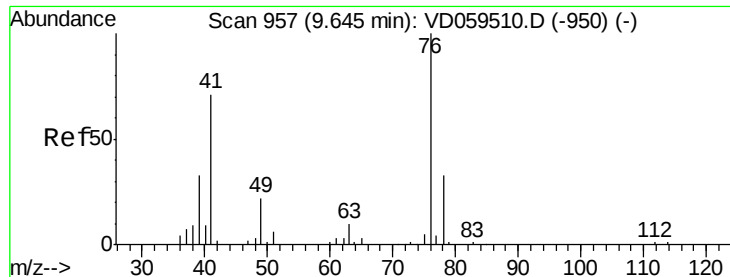


Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC





#57

1,3-Dichloropropane

Concen: 5.499 ug/l

RT: 9.64 min Scan# 957

Delta R.T. -0.00 min

Lab File: VD059507.D

Acq: 2 Jul 2018 17:06

Instrument :

MSVOA_D

ClientSampleId :

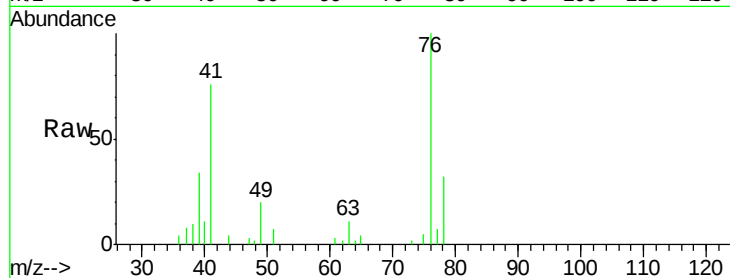
VSTDIC005

Tgt Ion: 76 Resp: 42797

Ion Ratio Lower Upper

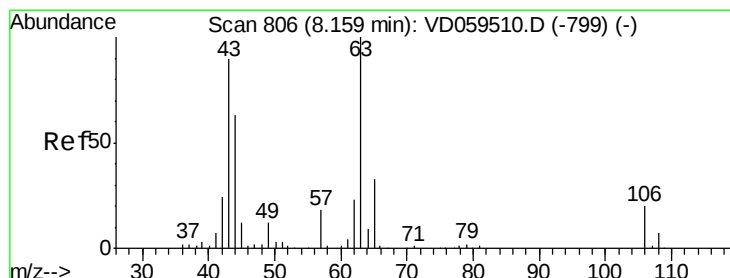
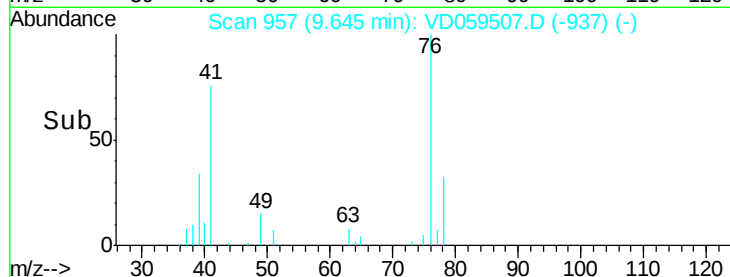
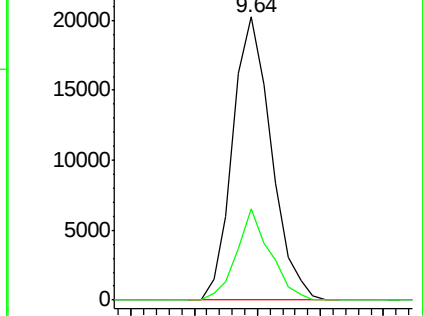
76 100

78 32.3 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: 29.174 ug/l

RT: 8.17 min Scan# 807

Delta R.T. 0.01 min

Lab File: VD059507.D

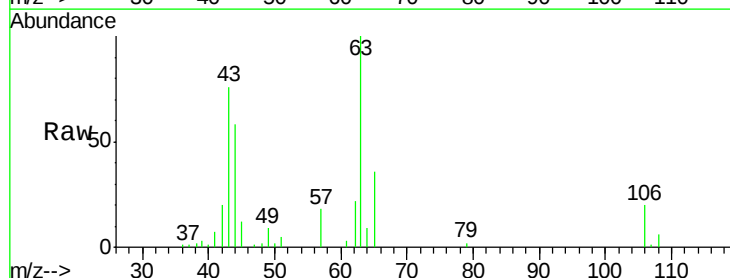
Acq: 2 Jul 2018 17:06

Tgt Ion: 63 Resp: 76876

Ion Ratio Lower Upper

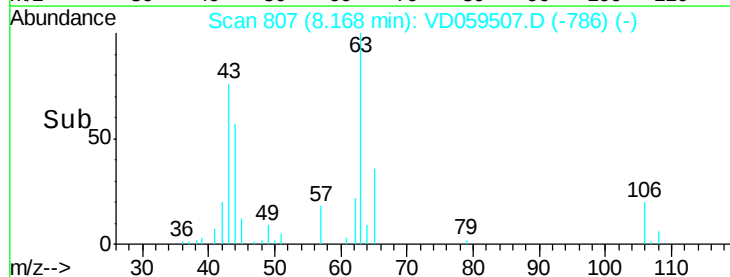
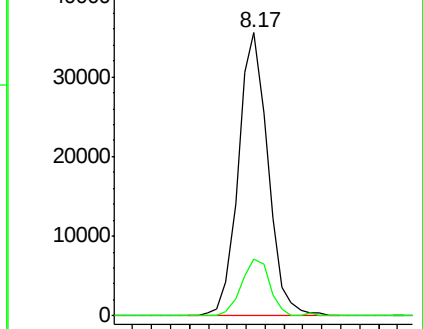
63 100

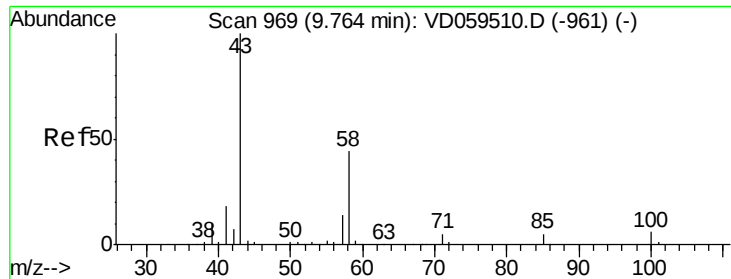
106 19.9 16.4 24.6



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): V

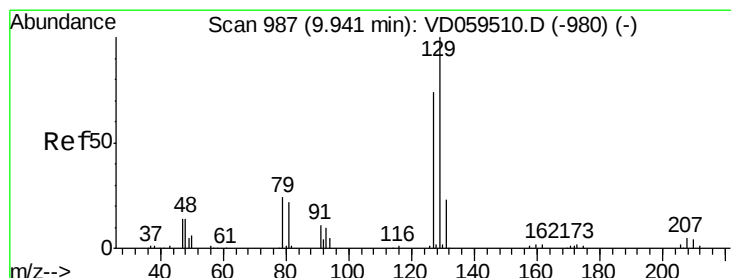
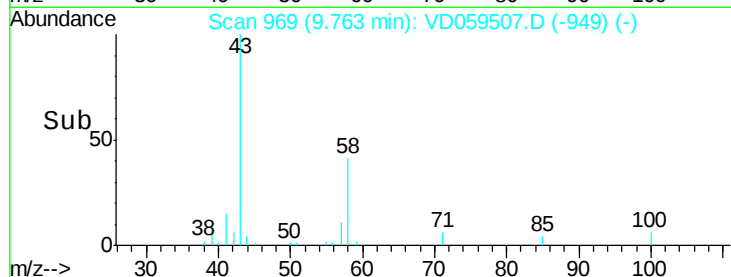
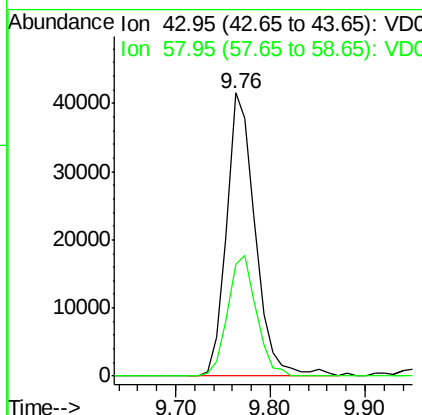
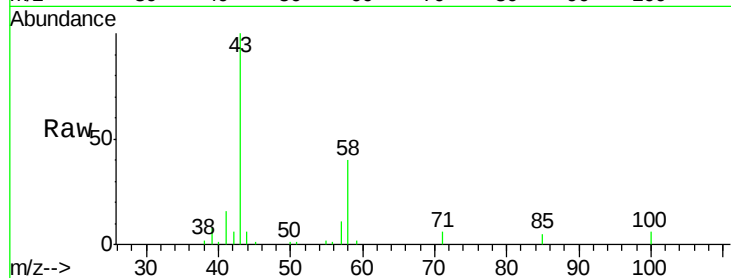




#59
2-Hexanone
Concen: 26.361 ug/l
RT: 9.76 min Scan# 969
Delta R.T. -0.00 min
Lab File: VD059507.D
Acq: 2 Jul 2018 17:06

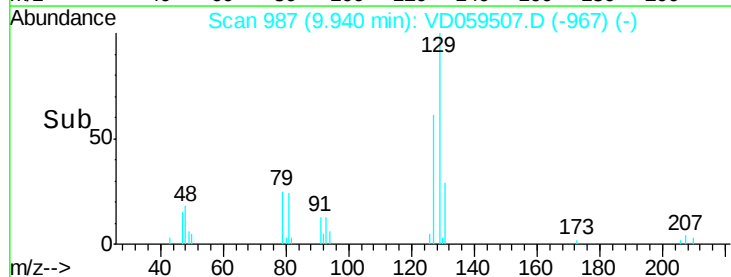
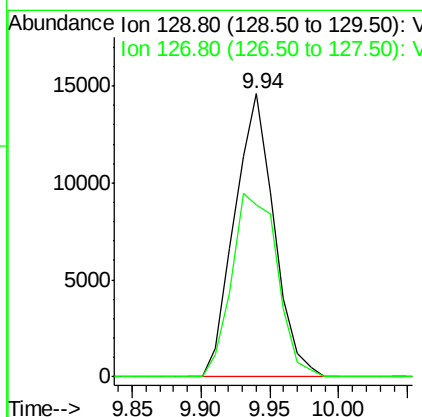
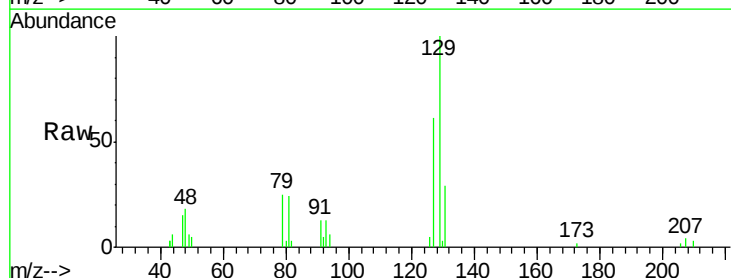
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

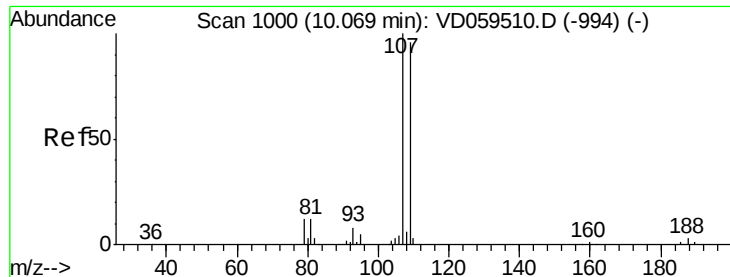
Tgt Ion: 43 Resp: 86950
Ion Ratio Lower Upper
43 100
58 39.7 22.0 66.0



#60
Dibromochloromethane
Concen: 4.714 ug/l
RT: 9.94 min Scan# 987
Delta R.T. -0.00 min
Lab File: VD059507.D
Acq: 2 Jul 2018 17:06

Tgt Ion: 129 Resp: 29118
Ion Ratio Lower Upper
129 100
127 60.7 37.2 111.6





#61

1,2-Dibromoethane

Concen: 5.261 ug/l

RT: 10.08 min Scan# 1001

Delta R.T. 0.01 min

Lab File: VD059507.D

Acq: 2 Jul 2018 17:06

Instrument :

MSVOA_D

ClientSampleId :

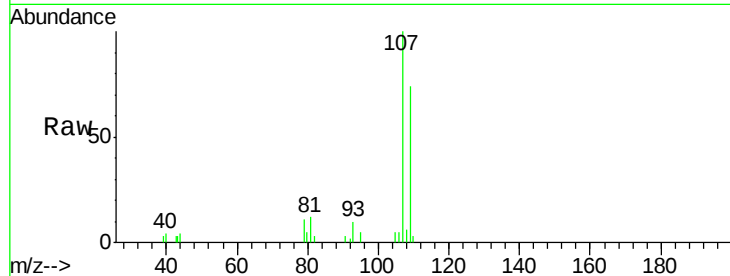
VSTDIC005

Tgt Ion: 107 Resp: 25675

Ion Ratio Lower Upper

107 100

109 74.3 76.8 115.2#



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.90 (108.60 to 109.60): V

10.08

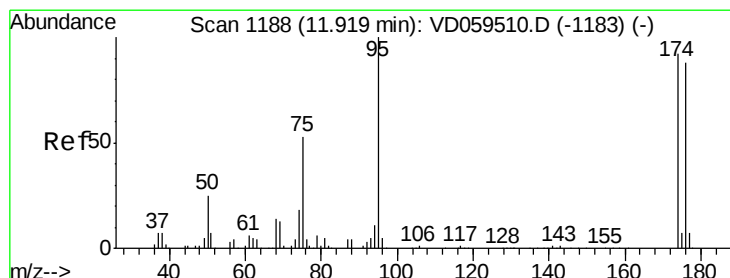
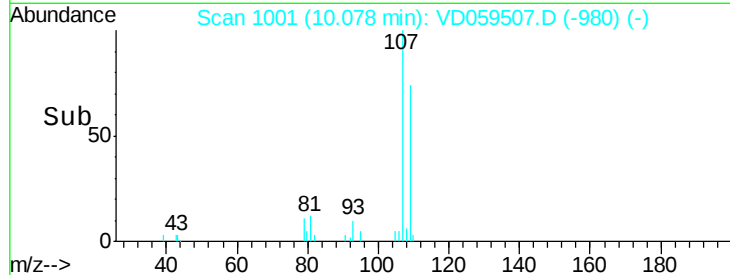
15000

10000

5000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 5.261 ug/l

RT: 11.92 min Scan# 1188

Delta R.T. -0.00 min

Lab File: VD059507.D

Acq: 2 Jul 2018 17:06

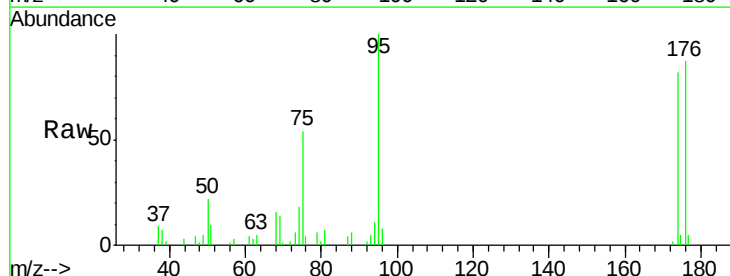
Tgt Ion: 95 Resp: 36914

Ion Ratio Lower Upper

95 100

174 81.6 0.0 183.0

176 87.1 0.0 176.6



Abundance Ion 95.00 (94.70 to 95.70): V

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

11.92

40000

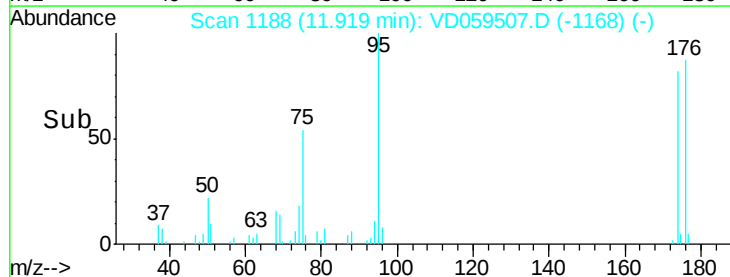
30000

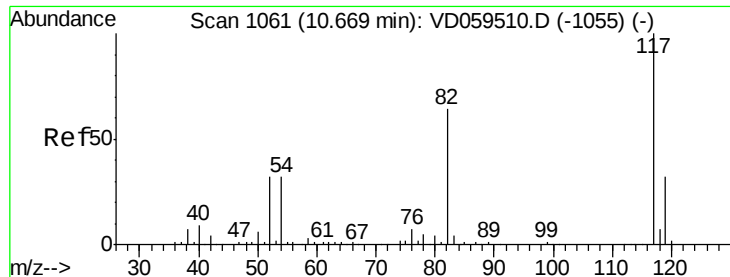
20000

10000

0

Time-->

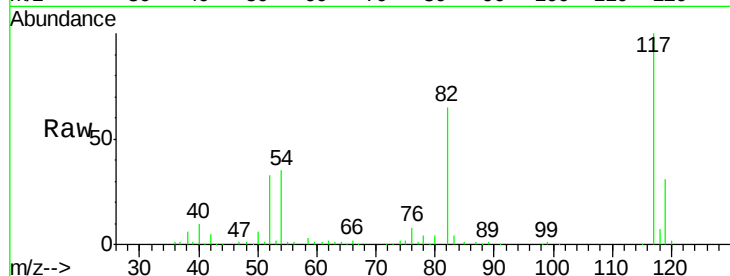




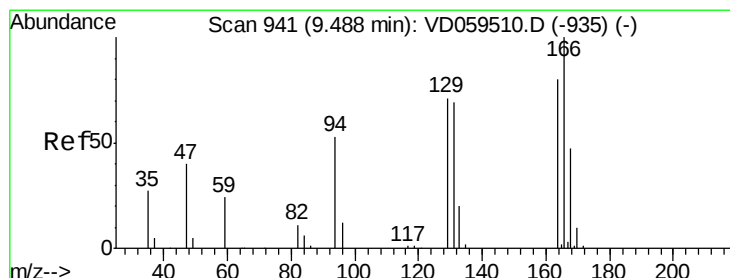
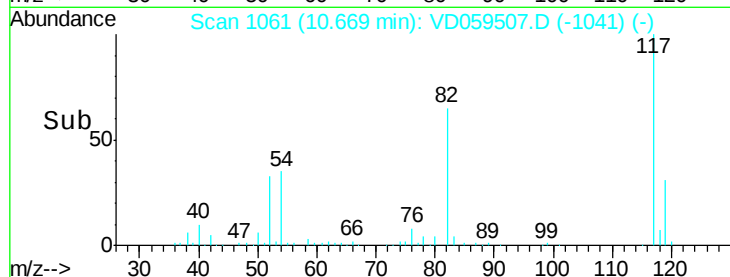
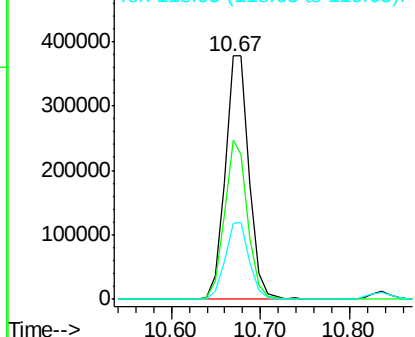
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.67 min Scan# 1061
Delta R.T. -0.00 min
Lab File: VD059507.D
Acq: 2 Jul 2018 17:06

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tgt Ion:117 Resp: 715314
Ion Ratio Lower Upper
117 100
82 65.4 51.1 76.7
119 31.3 25.6 38.4

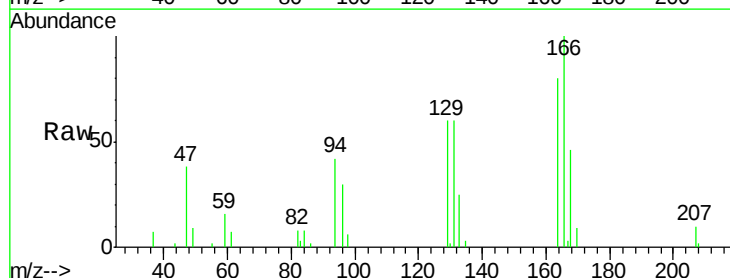


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

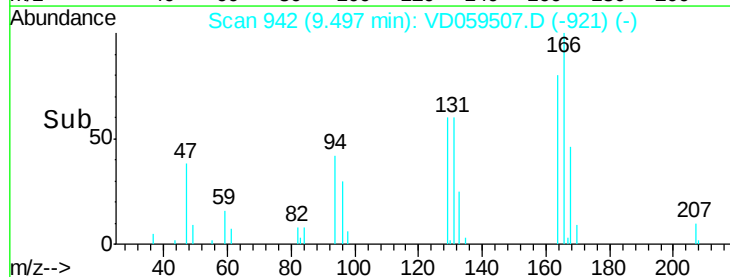
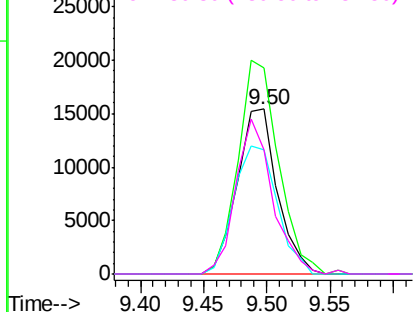


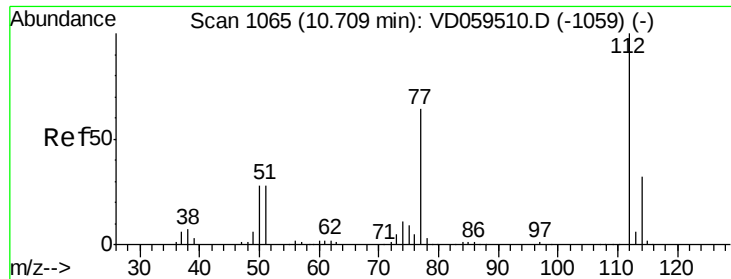
#64
Tetrachloroethene
Concen: 5.494 ug/l
RT: 9.50 min Scan# 942
Delta R.T. 0.01 min
Lab File: VD059507.D
Acq: 2 Jul 2018 17:06

Tgt Ion:164 Resp: 34158
Ion Ratio Lower Upper
164 100
166 125.0 99.5 149.3
129 75.3 70.9 106.3
131 75.6 68.8 103.2



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

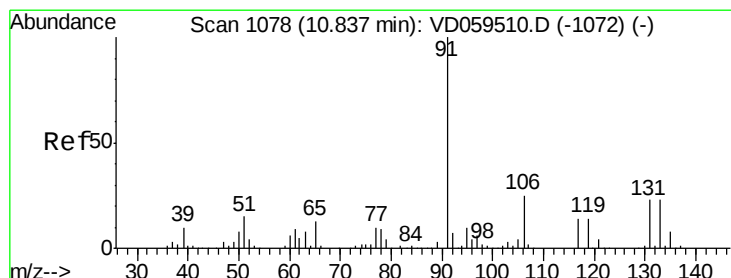
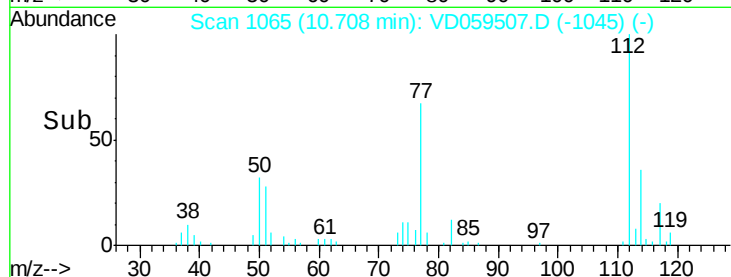
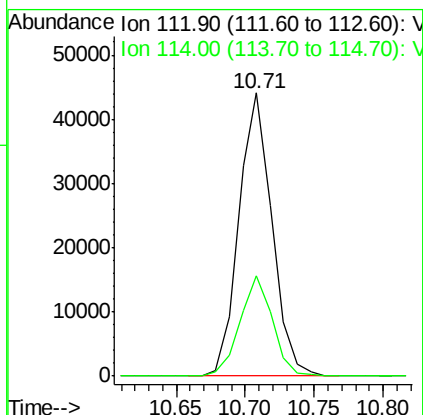
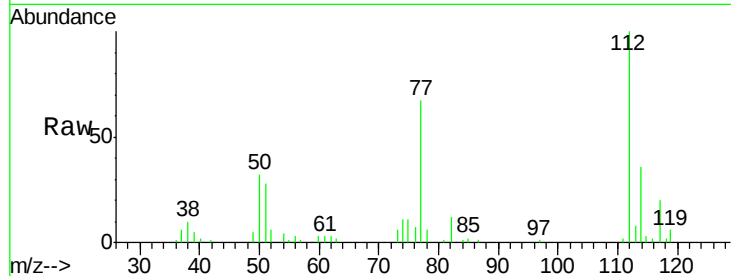




#65
Chlorobenzene
Concen: 5.362 ug/l
RT: 10.71 min Scan# 1065
Delta R.T. -0.00 min
Lab File: VD059507.D
Acq: 2 Jul 2018 17:06

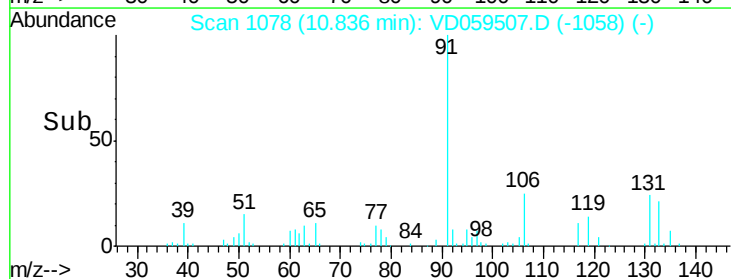
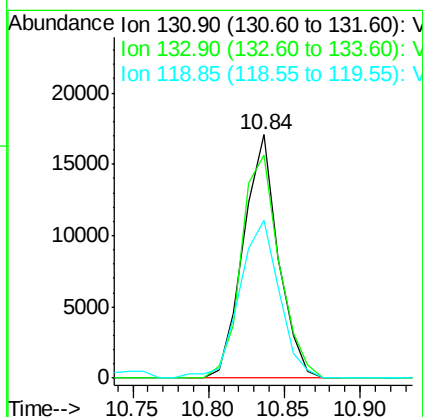
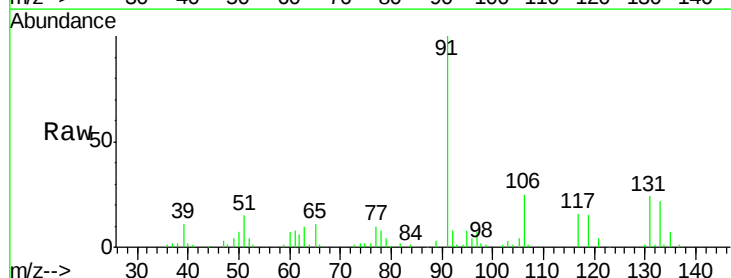
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

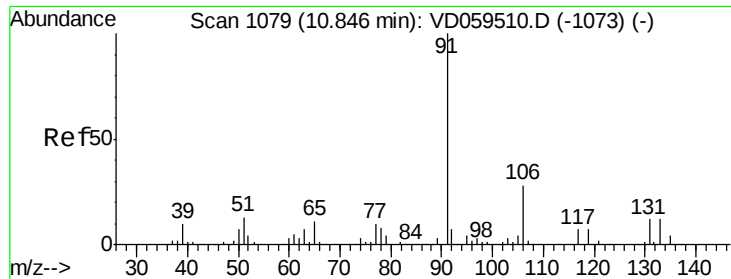
Tgt Ion:112 Resp: 73488
Ion Ratio Lower Upper
112 100
114 35.6 25.4 38.2



#66
1,1,1,2-Tetrachloroethane
Concen: 5.000 ug/l
RT: 10.84 min Scan# 1078
Delta R.T. -0.00 min
Lab File: VD059507.D
Acq: 2 Jul 2018 17:06

Tgt Ion:131 Resp: 27426
Ion Ratio Lower Upper
131 100
133 91.8 48.9 146.6
119 65.0 30.7 92.1

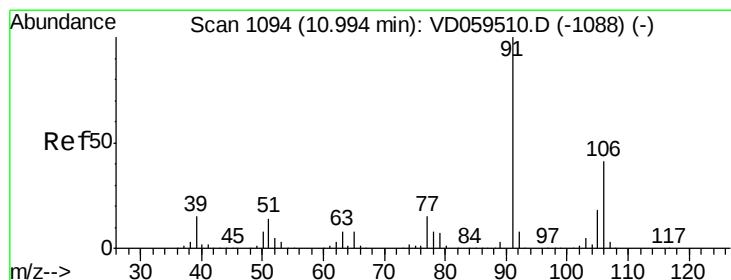
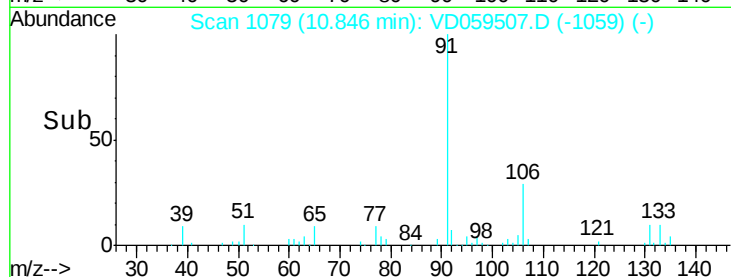
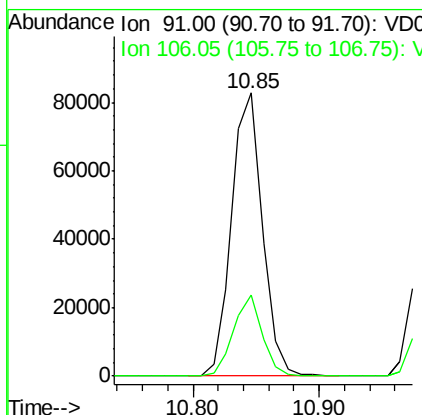
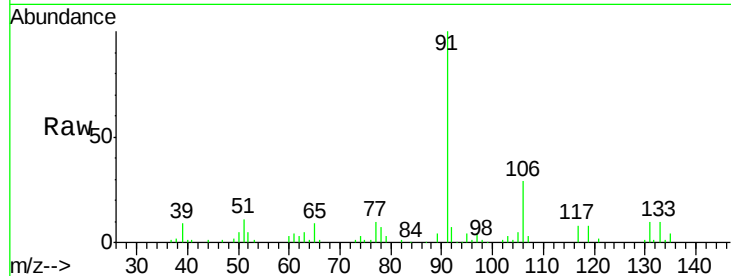




#67
Ethyl Benzene
Concen: 5.826 ug/l
RT: 10.85 min Scan# 1079
Delta R.T. -0.00 min
Lab File: VD059507.D
Acq: 2 Jul 2018 17:06

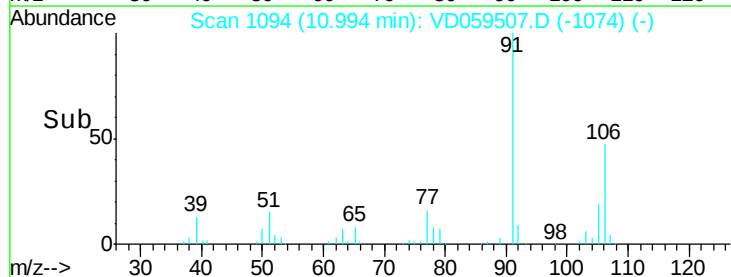
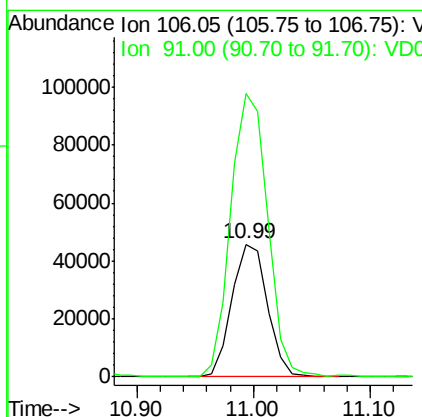
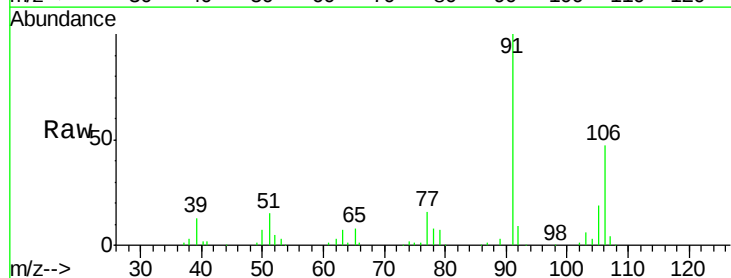
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

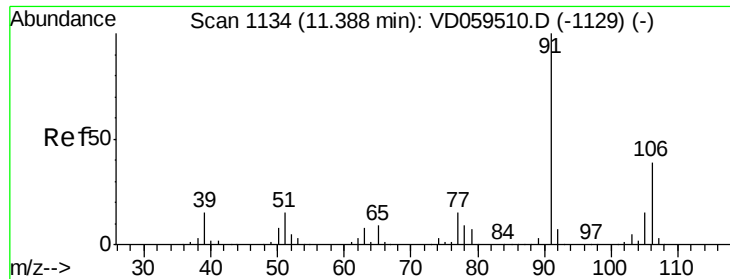
Tgt Ion: 91 Resp: 138986
Ion Ratio Lower Upper
91 100
106 28.5 22.2 33.2



#68
m/p-Xylenes
Concen: 12.577 ug/l
RT: 10.99 min Scan# 1094
Delta R.T. -0.00 min
Lab File: VD059507.D
Acq: 2 Jul 2018 17:06

Tgt Ion: 106 Resp: 97255
Ion Ratio Lower Upper
106 100
91 213.9 194.1 291.1

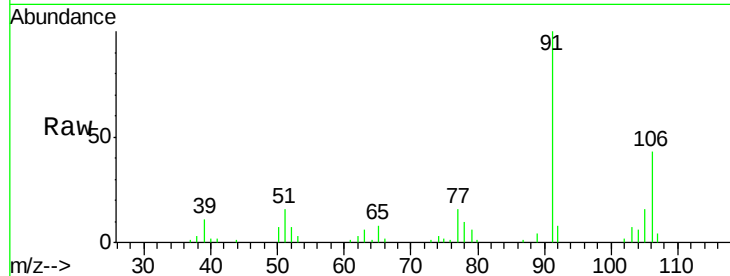




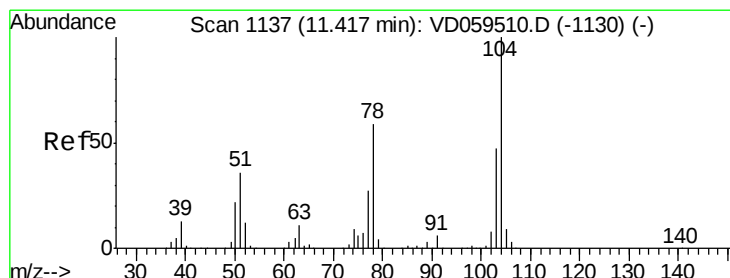
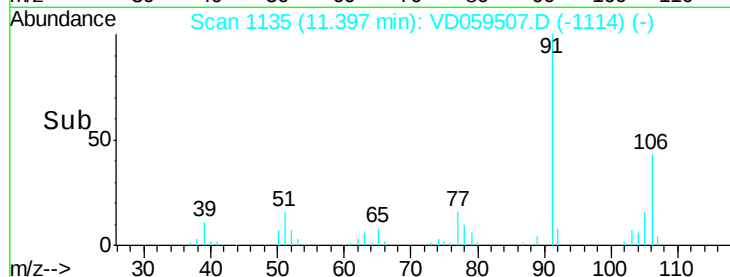
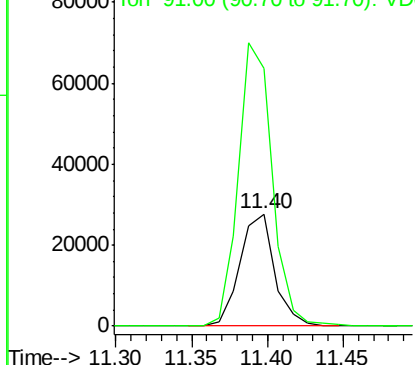
#69
o-Xylene
Concen: 5.851 ug/l
RT: 11.40 min Scan# 1135
Delta R.T. 0.01 min
Lab File: VD059507.D
Acq: 2 Jul 2018 17:06

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tgt Ion:106 Resp: 44150
Ion Ratio Lower Upper
106 100
91 230.6 127.0 381.0

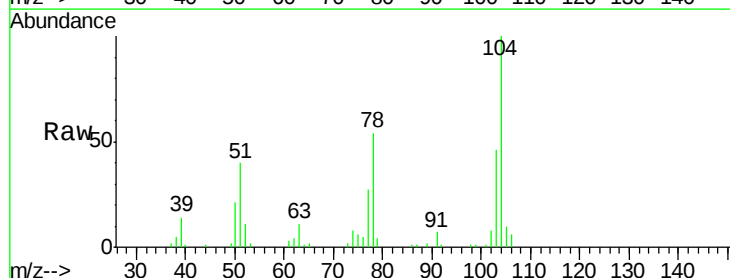


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): VDC

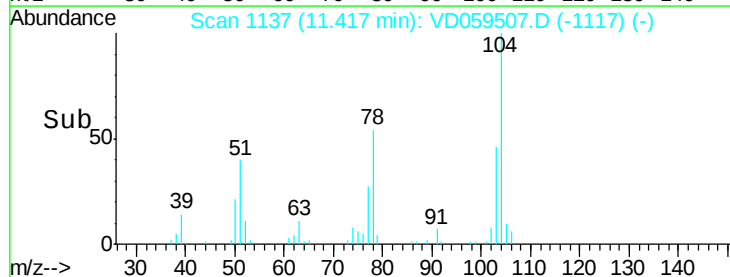
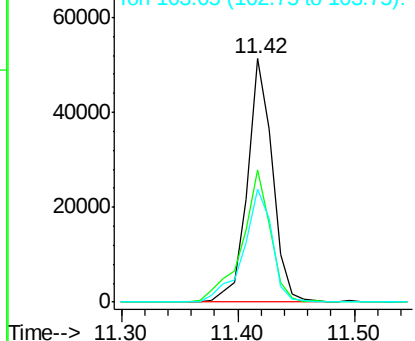


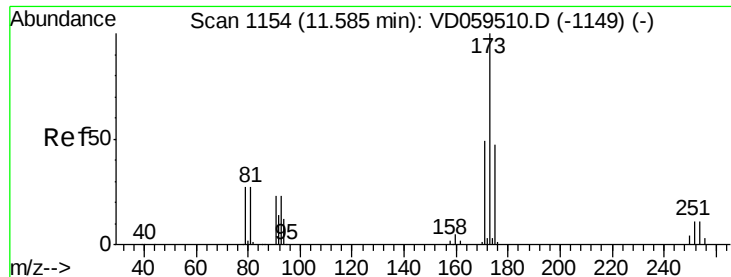
#70
Styrene
Concen: 6.015 ug/l
RT: 11.42 min Scan# 1137
Delta R.T. -0.00 min
Lab File: VD059507.D
Acq: 2 Jul 2018 17:06

Tgt Ion:104 Resp: 76234
Ion Ratio Lower Upper
104 100
78 54.3 47.6 71.4
103 46.2 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: 4.571 ug/l

RT: 11.59 min Scan# 1155

Delta R.T. 0.01 min

Lab File: VD059507.D

Acq: 2 Jul 2018 17:06

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

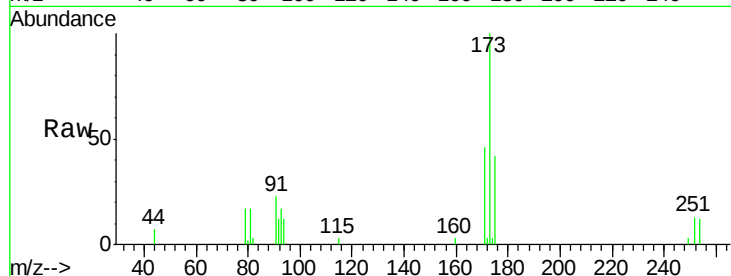
Tgt Ion:173 Resp: 19015

Ion Ratio Lower Upper

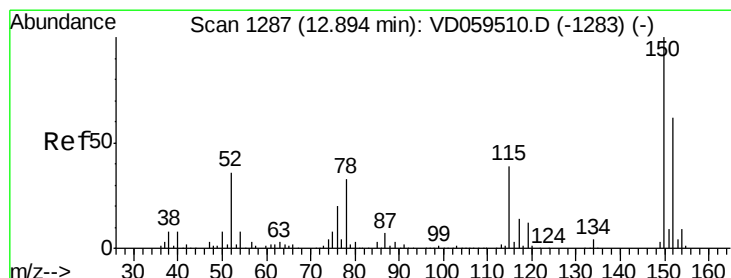
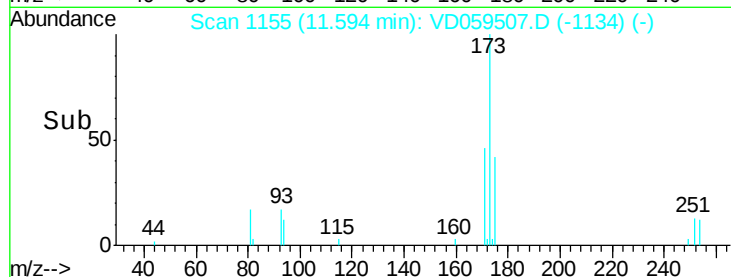
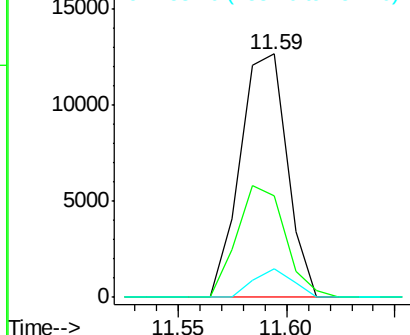
173 100

175 41.8 23.3 69.8

254 11.6 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: 50.000 ug/l

RT: 12.89 min Scan# 1287

Delta R.T. -0.00 min

Lab File: VD059507.D

Acq: 2 Jul 2018 17:06

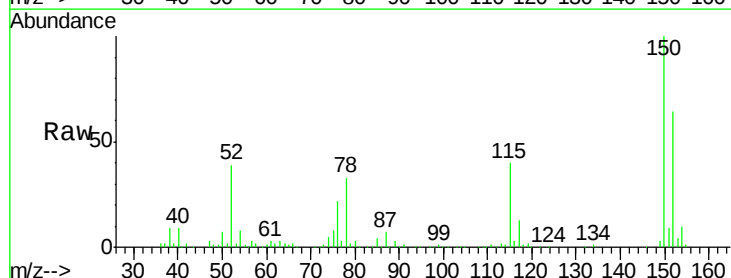
Tgt Ion:152 Resp: 384400

Ion Ratio Lower Upper

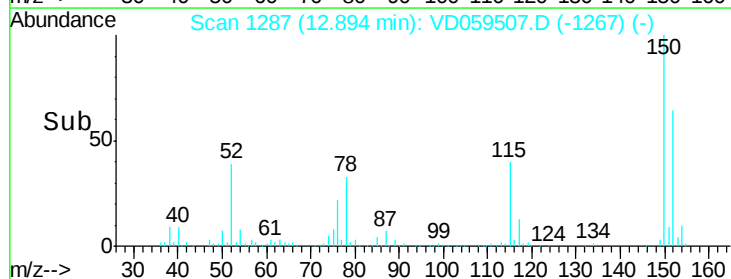
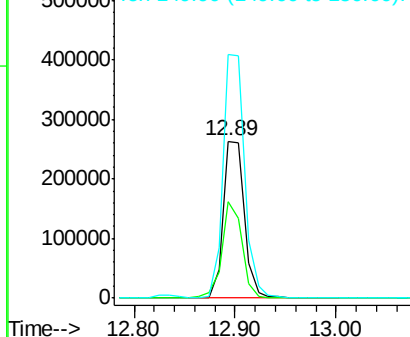
152 100

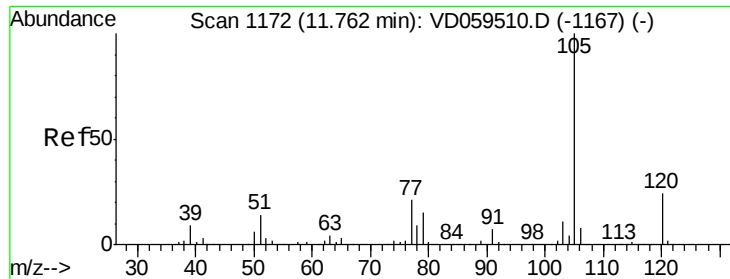
115 61.4 31.3 93.9

150 155.3 0.0 323.6



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





#73

Isopropylbenzene

Concen: 5.193 ug/l

RT: 11.76 min Scan# 1172

Delta R.T. -0.00 min

Lab File: VD059507.D

Acq: 2 Jul 2018 17:06

Instrument :

MSVOA_D

ClientSampleId :

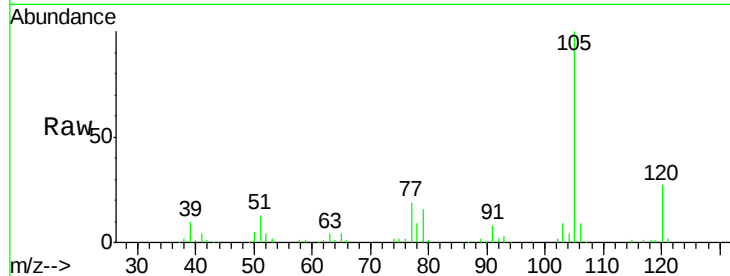
VSTDIC005

Tgt Ion: 105 Resp: 118938

Ion Ratio Lower Upper

105 100

120 27.1 12.1 36.3



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V

11.76

80000

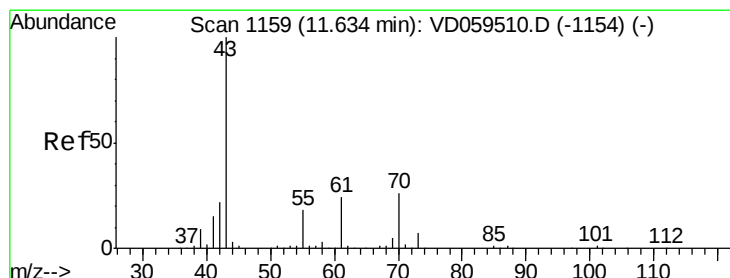
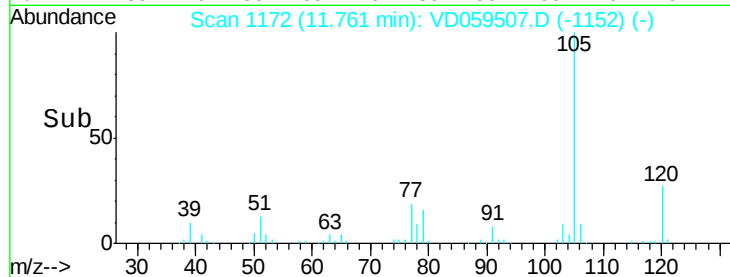
60000

40000

20000

0

Time-->



#74

N-ethyl acetate

Concen: 4.513 ug/l

RT: 11.63 min Scan# 1159

Delta R.T. -0.00 min

Lab File: VD059507.D

Acq: 2 Jul 2018 17:06

Tgt Ion: 43 Resp: 43195

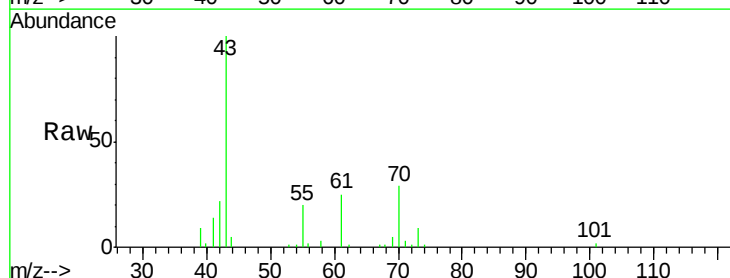
Ion Ratio Lower Upper

43 100

70 28.6 20.6 31.0

55 19.7 14.4 21.6

61 25.2 19.2 28.8



Abundance Ion 42.95 (42.65 to 43.65): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 60.95 (60.65 to 61.65): V

11.63

50000

40000

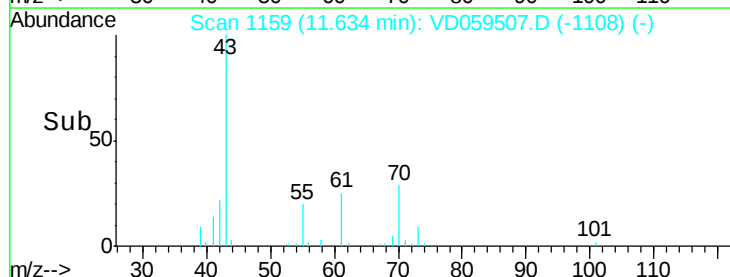
30000

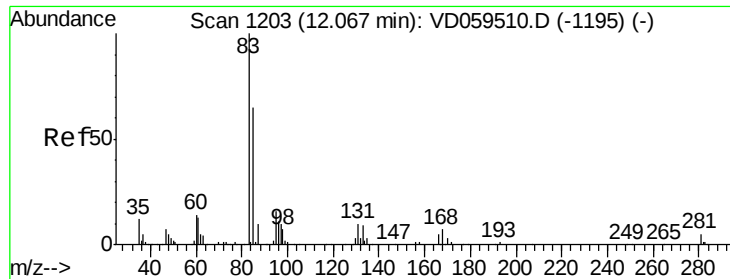
20000

10000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 5.650 ug/l

RT: 12.07 min Scan# 1203

Delta R.T. -0.00 min

Lab File: VD059507.D

Acq: 2 Jul 2018 17:06

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

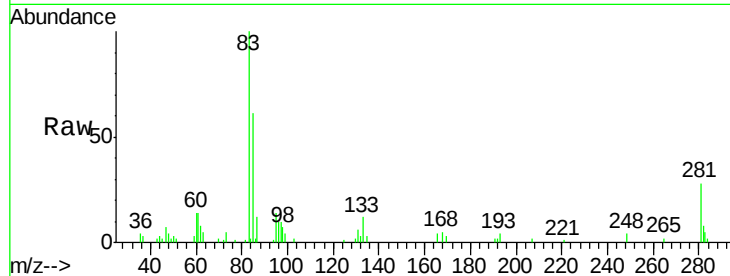
Tgt Ion: 83 Resp: 32260

Ion Ratio Lower Upper

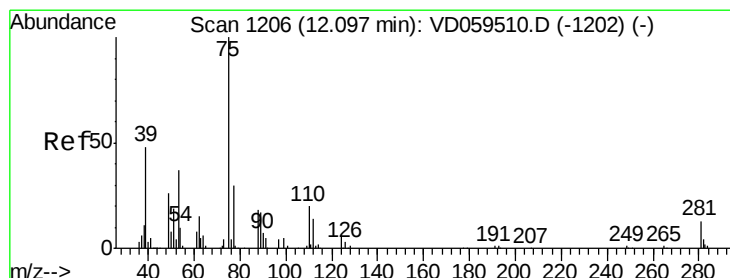
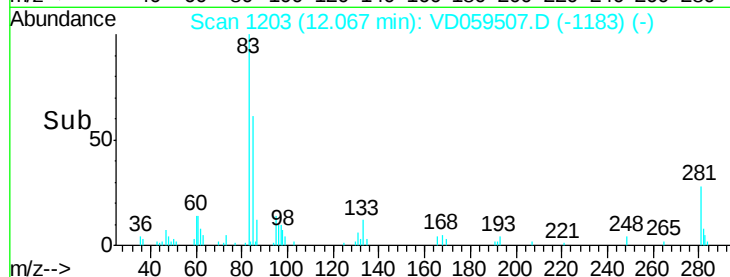
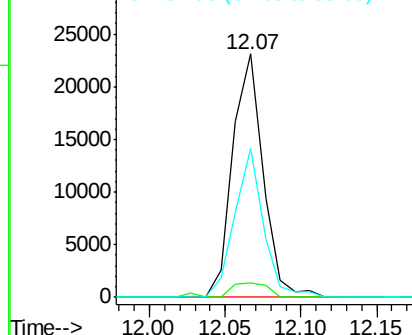
83 100

131 6.1 5.0 15.0

85 61.3 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: 5.347 ug/l

RT: 12.10 min Scan# 1206

Delta R.T. -0.00 min

Lab File: VD059507.D

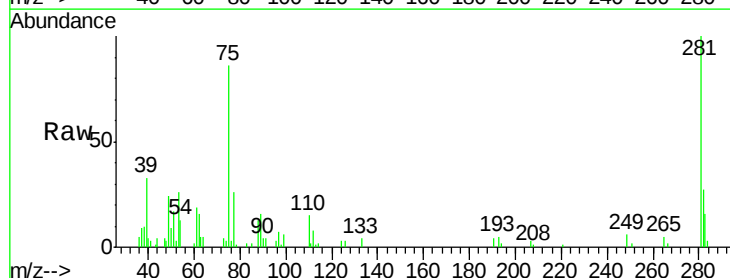
Acq: 2 Jul 2018 17:06

Tgt Ion: 75 Resp: 32374

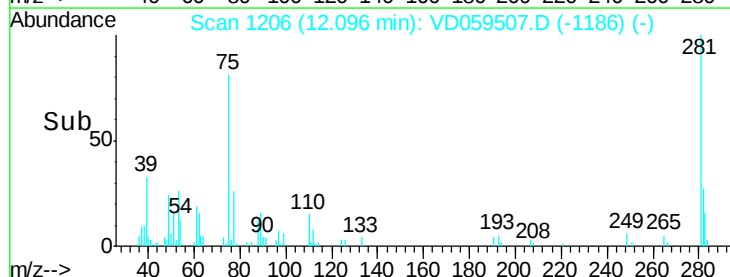
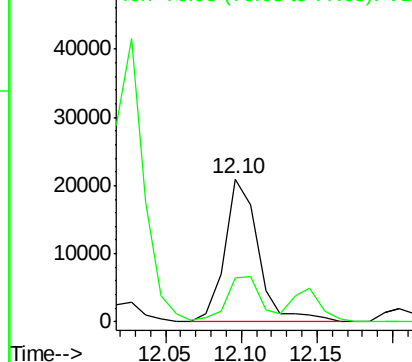
Ion Ratio Lower Upper

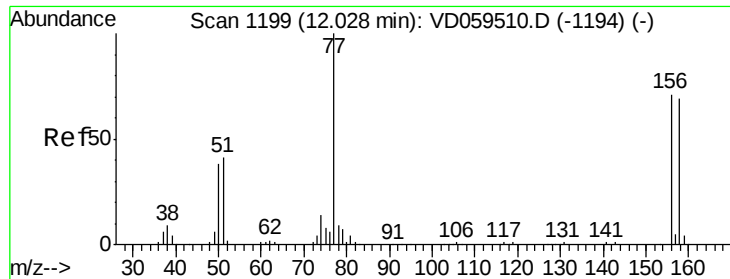
75 100

77 30.7 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: 5.253 ug/l

RT: 12.03 min Scan# 1199

Delta R.T. -0.00 min

Lab File: VD059507.D

Acq: 2 Jul 2018 17:06

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

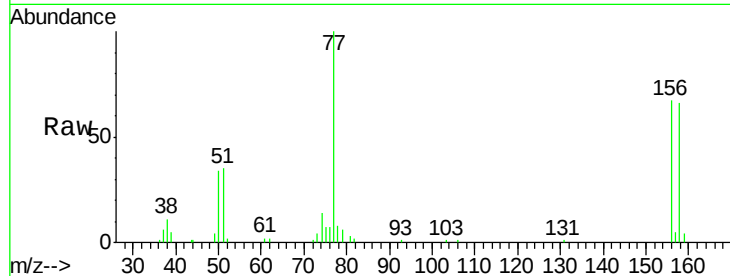
Tgt Ion:156 Resp: 37476

Ion Ratio Lower Upper

156 100

77 150.0 70.0 210.0

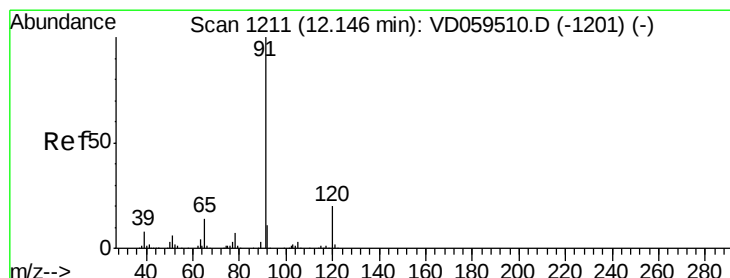
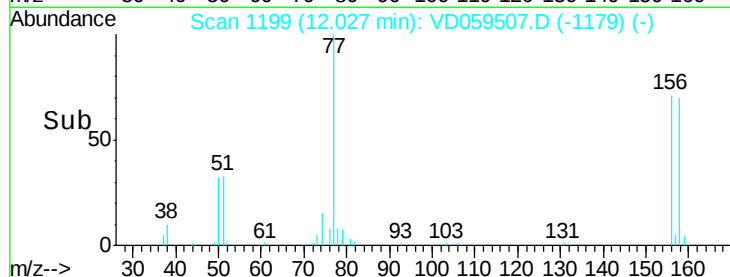
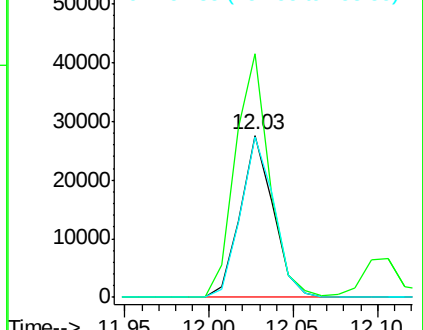
158 98.6 48.3 144.9



Abundance Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): V

Ion 157.85 (157.55 to 158.55): V



#78

n-propylbenzene

Concen: 5.278 ug/l

RT: 12.15 min Scan# 1211

Delta R.T. -0.00 min

Lab File: VD059507.D

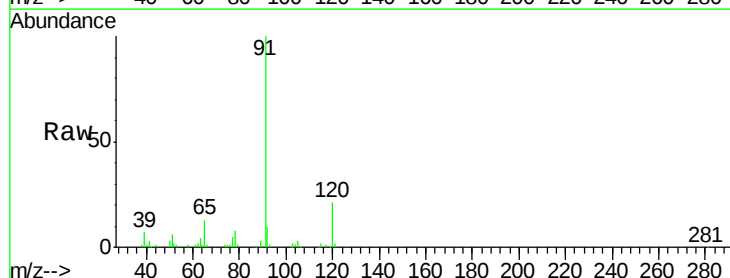
Acq: 2 Jul 2018 17:06

Tgt Ion: 91 Resp: 161341

Ion Ratio Lower Upper

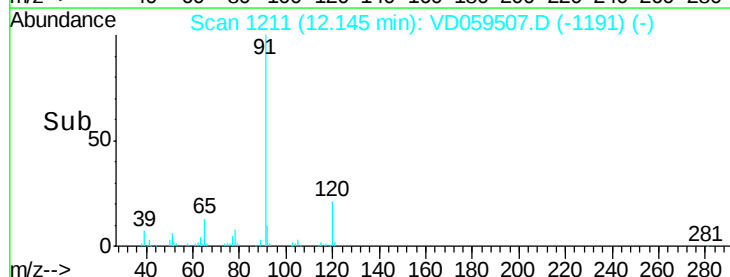
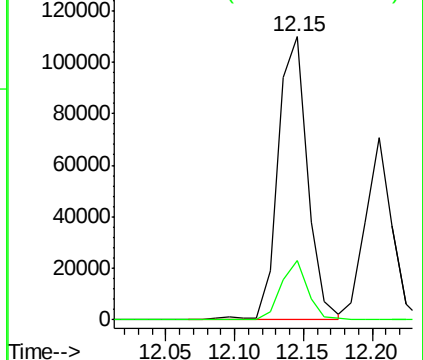
91 100

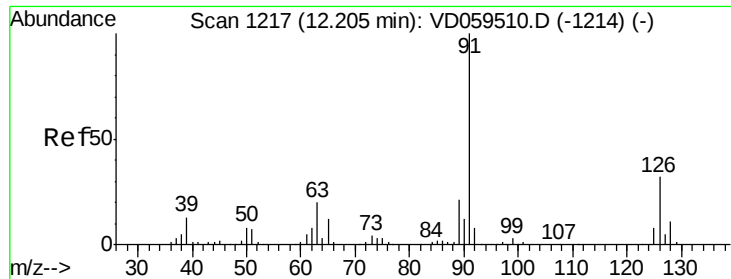
120 21.2 10.0 29.8



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V

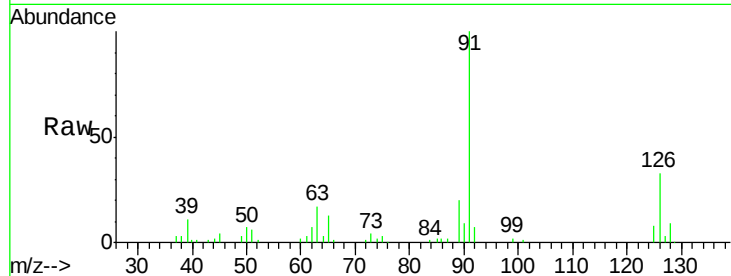




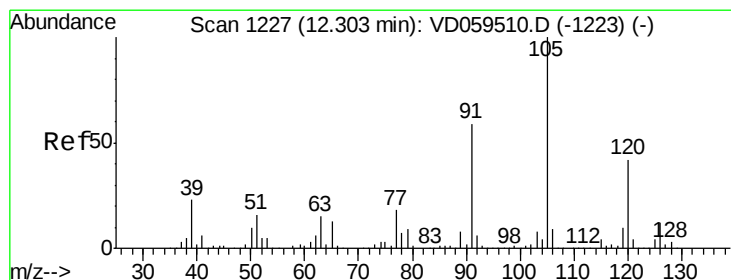
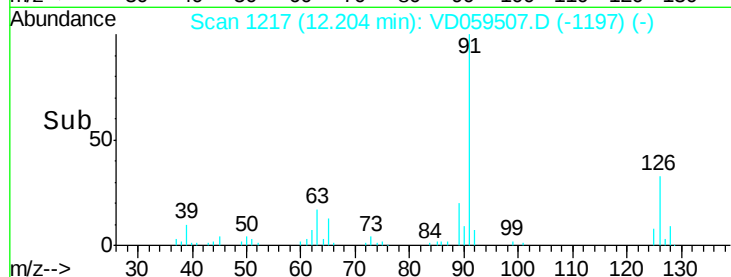
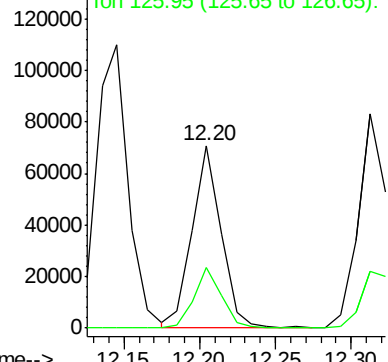
#79
 2-Chlorotoluene
 Concen: 5.369 ug/l
 RT: 12.20 min Scan# 1217
 Delta R.T. -0.00 min
 Lab File: VD059507.D
 Acq: 2 Jul 2018 17:06

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

Tgt Ion: 91 Resp: 95518
 Ion Ratio Lower Upper
 91 100
 126 33.4 15.9 47.6

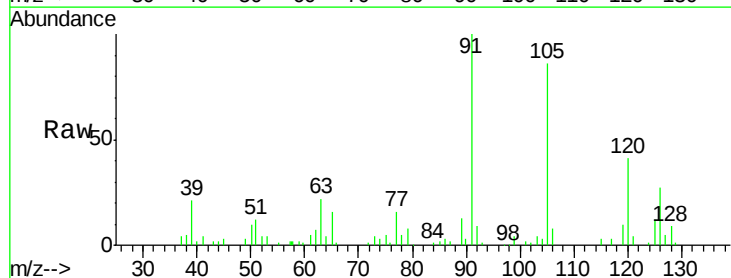


Abundance Ion 91.00 (90.70 to 91.70): V
 Ion 125.95 (125.65 to 126.65): V

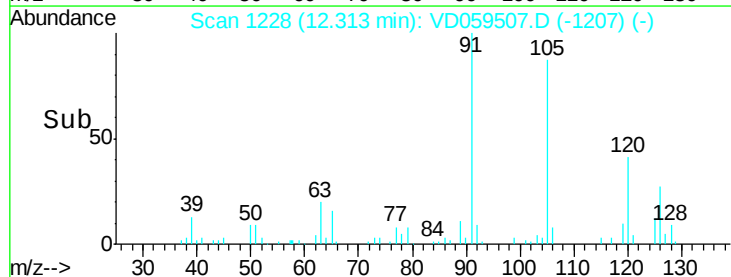
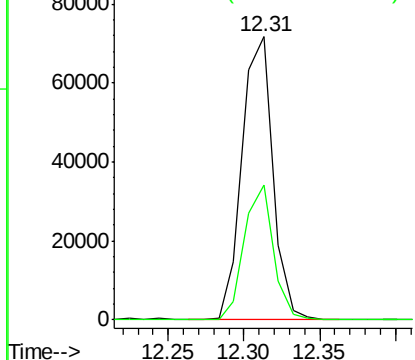


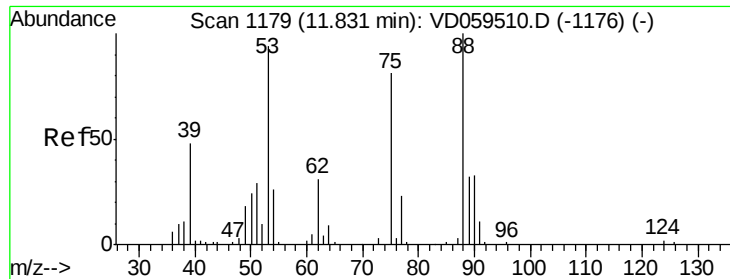
#80
 1,3,5-Trimethylbenzene
 Concen: 5.492 ug/l
 RT: 12.31 min Scan# 1228
 Delta R.T. 0.01 min
 Lab File: VD059507.D
 Acq: 2 Jul 2018 17:06

Tgt Ion: 105 Resp: 101648
 Ion Ratio Lower Upper
 105 100
 120 47.5 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: 4.410 ug/l

RT: 11.83 min Scan# 1179

Delta R.T. -0.00 min

Lab File: VD059507.D

Acq: 2 Jul 2018 17:06

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

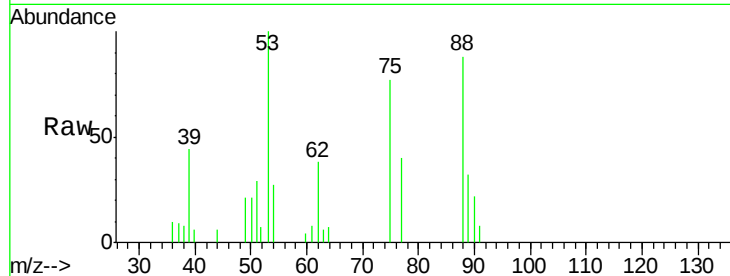
Tgt Ion: 75 Resp: 6459

Ion Ratio Lower Upper

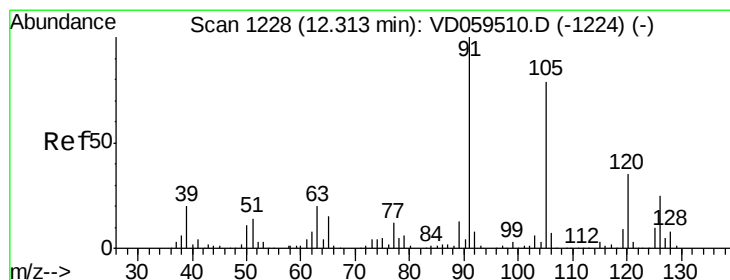
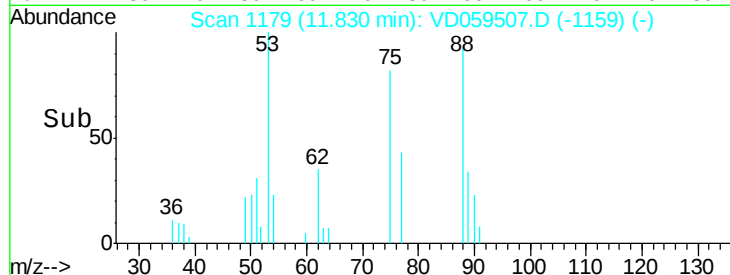
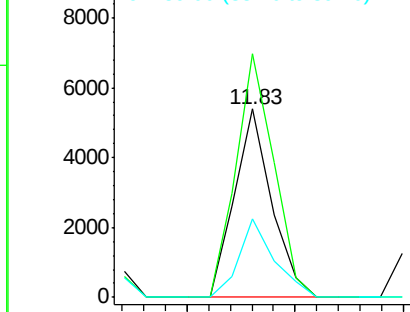
75 100

53 129.4 92.6 139.0

89 41.6 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: 5.612 ug/l

RT: 12.31 min Scan# 1228

Delta R.T. -0.00 min

Lab File: VD059507.D

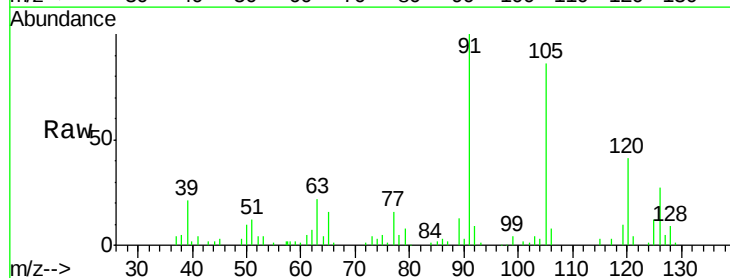
Acq: 2 Jul 2018 17:06

Tgt Ion: 91 Resp: 113550

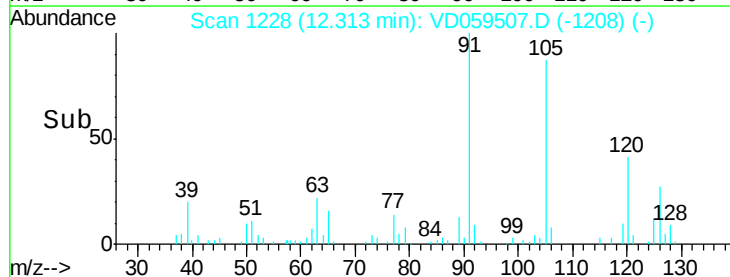
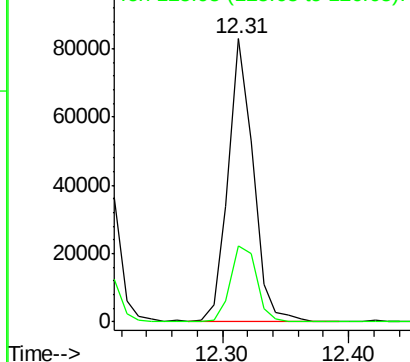
Ion Ratio Lower Upper

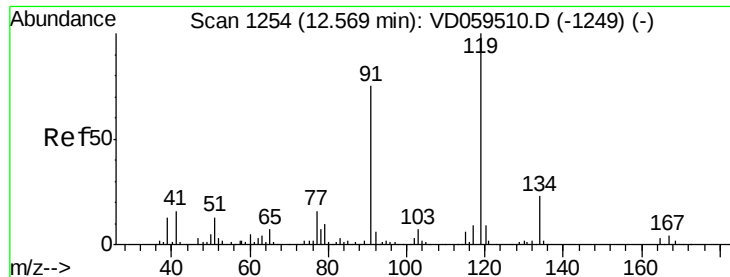
91 100

126 26.8 12.3 36.9



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

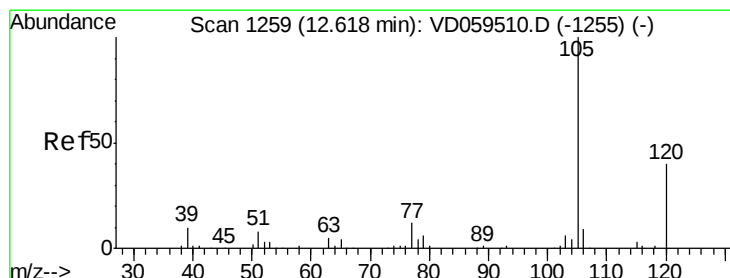
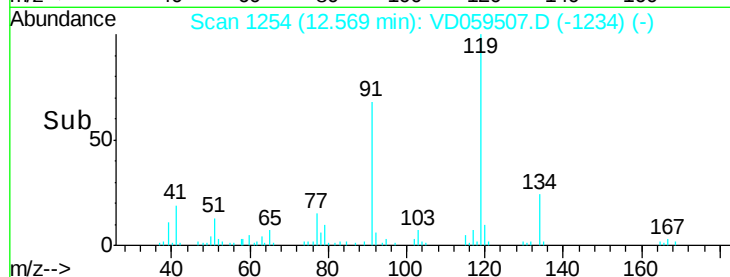
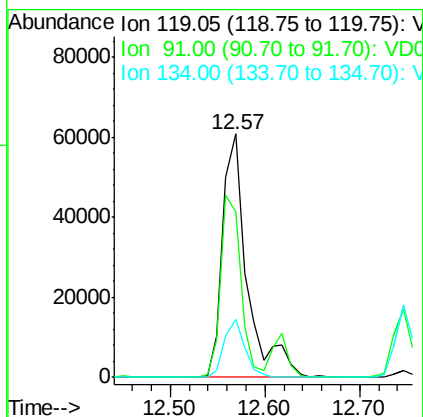
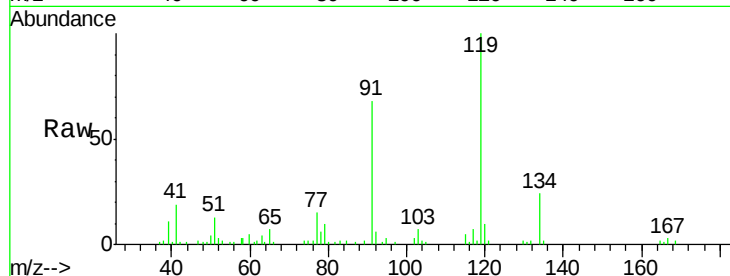




#83
 tert-Butylbenzene
 Concen: 5.349 ug/l
 RT: 12.57 min Scan# 1254
 Delta R.T. -0.00 min
 Lab File: VD059507.D
 Acq: 2 Jul 2018 17:06

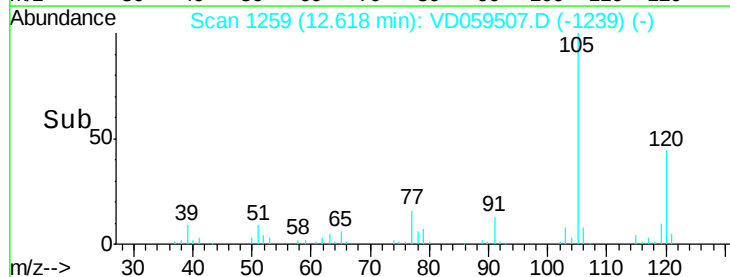
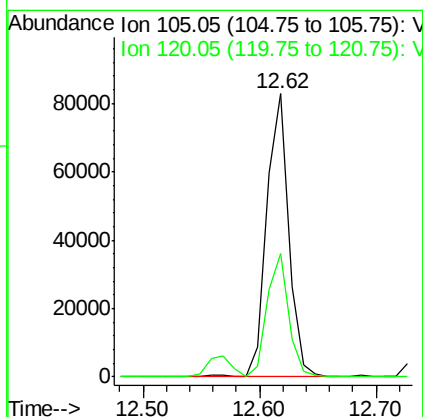
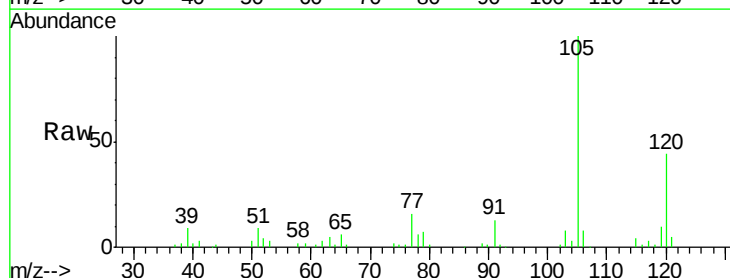
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

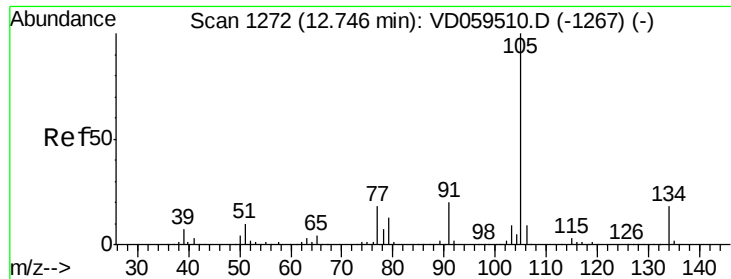
Tgt Ion:119 Resp: 109686
 Ion Ratio Lower Upper
 119 100
 91 68.2 37.8 113.3
 134 23.7 11.5 34.4



#84
 1,2,4-Trimethylbenzene
 Concen: 5.488 ug/l
 RT: 12.62 min Scan# 1259
 Delta R.T. -0.00 min
 Lab File: VD059507.D
 Acq: 2 Jul 2018 17:06

Tgt Ion:105 Resp: 108288
 Ion Ratio Lower Upper
 105 100
 120 43.7 21.1 63.3

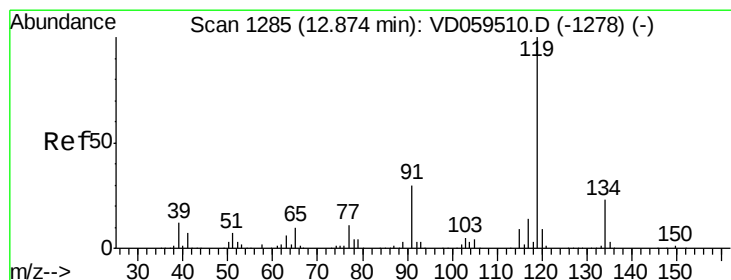
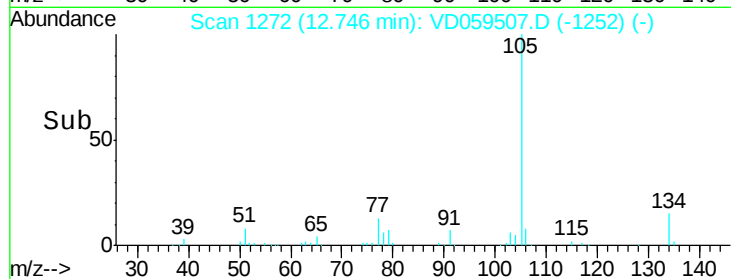
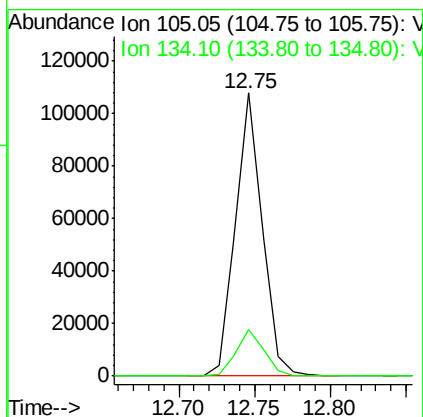
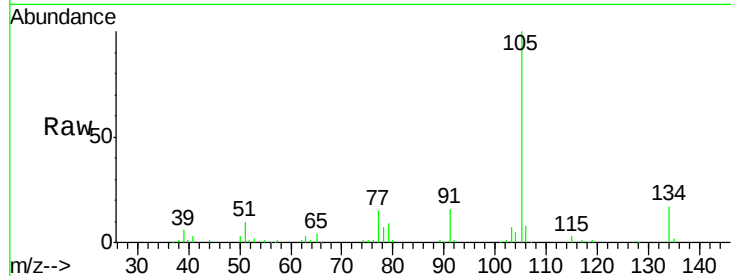




#85
 sec-Butylbenzene
 Concen: 5.486 ug/l
 RT: 12.75 min Scan# 1272
 Delta R.T. -0.00 min
 Lab File: VD059507.D
 Acq: 2 Jul 2018 17:06

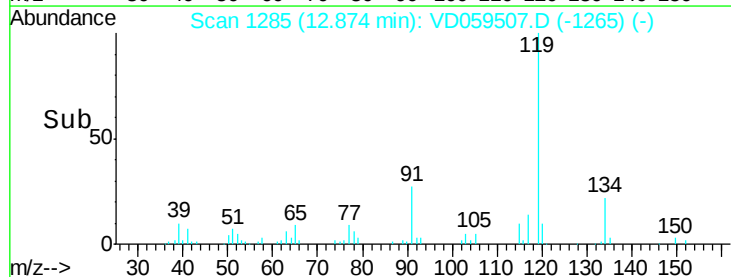
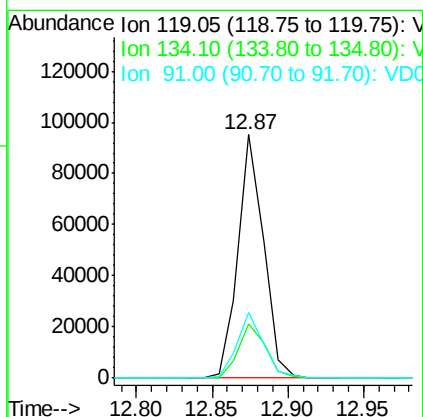
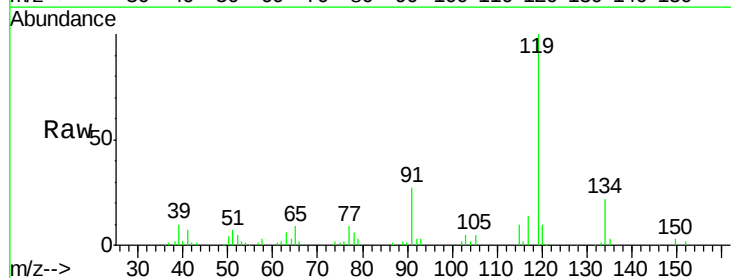
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

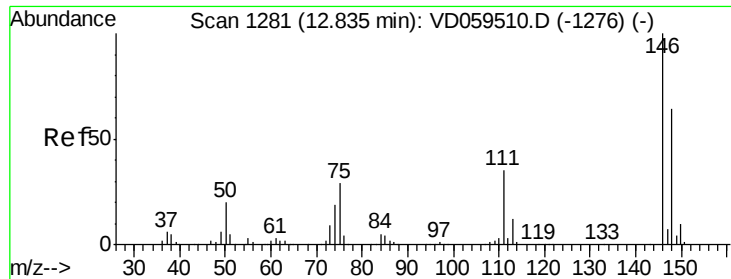
Tgt Ion:105 Resp: 132093
 Ion Ratio Lower Upper
 105 100
 134 16.6 8.8 26.4



#86
 p-Isopropyltoluene
 Concen: 5.593 ug/l
 RT: 12.87 min Scan# 1285
 Delta R.T. -0.00 min
 Lab File: VD059507.D
 Acq: 2 Jul 2018 17:06

Tgt Ion:119 Resp: 111613
 Ion Ratio Lower Upper
 119 100
 134 22.5 11.6 34.8
 91 27.2 15.3 45.8

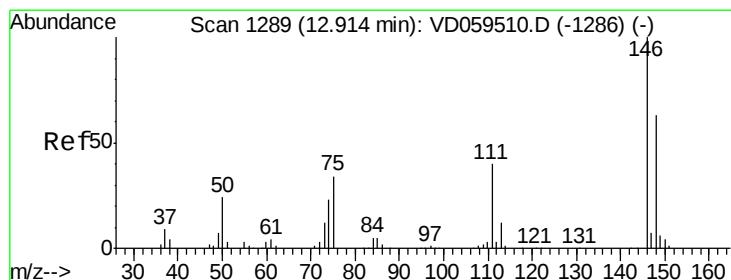
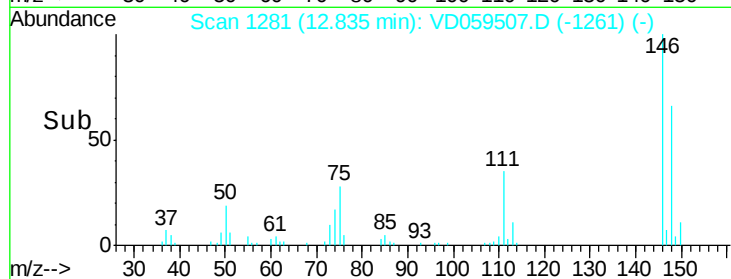
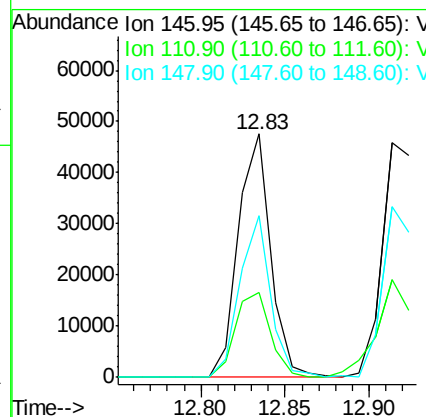
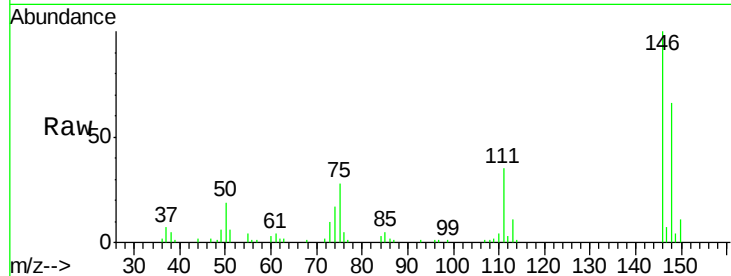




#87
 1,3-Dichlorobenzene
 Concen: 5.183 ug/l
 RT: 12.83 min Scan# 1281
 Delta R.T. -0.00 min
 Lab File: VD059507.D
 Acq: 2 Jul 2018 17:06

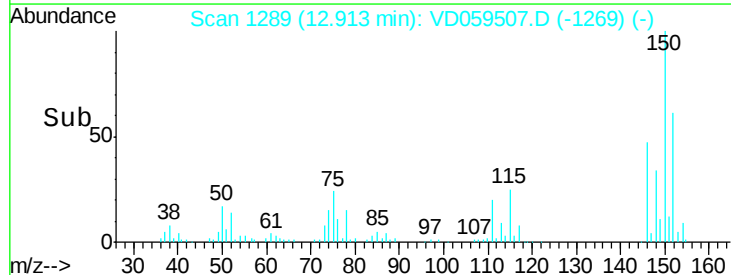
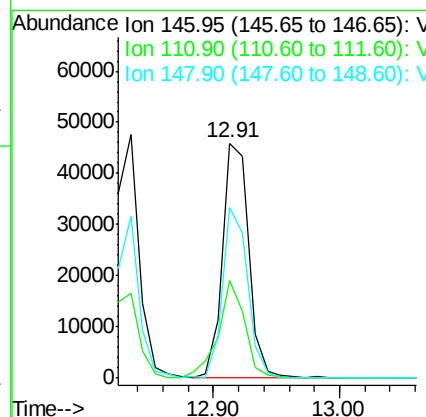
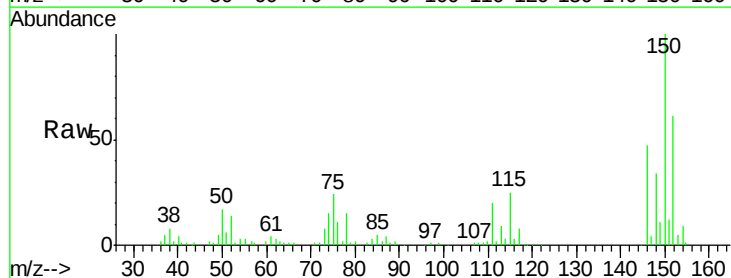
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

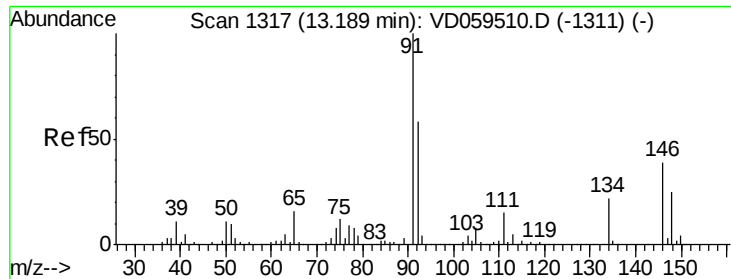
Tgt Ion:146 Resp: 63472
 Ion Ratio Lower Upper
 146 100
 111 34.7 17.6 52.9
 148 66.2 32.0 96.2



#88
 1,4-Dichlorobenzene
 Concen: 5.629 ug/l
 RT: 12.91 min Scan# 1289
 Delta R.T. -0.00 min
 Lab File: VD059507.D
 Acq: 2 Jul 2018 17:06

Tgt Ion:146 Resp: 66644
 Ion Ratio Lower Upper
 146 100
 111 41.8 20.0 59.9
 148 72.8 31.7 95.1

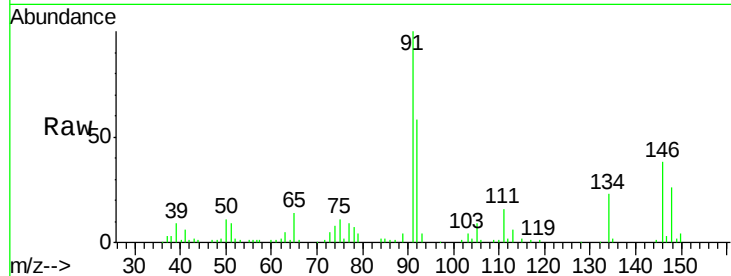




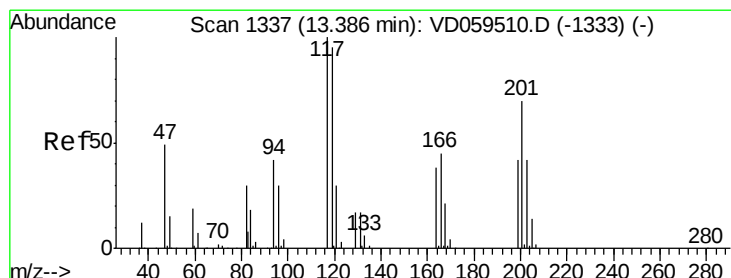
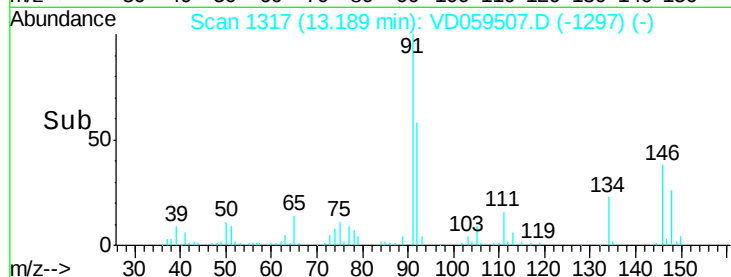
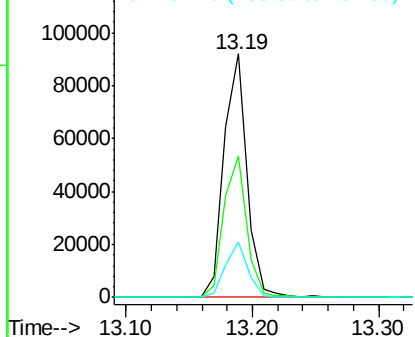
#89
n-Butylbenzene
Concen: 5.688 ug/l
RT: 13.19 min Scan# 1317
Delta R.T. -0.00 min
Lab File: VD059507.D
Acq: 2 Jul 2018 17:06

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tgt Ion: 91 Resp: 115688
Ion Ratio Lower Upper
91 100
92 58.2 28.9 86.7
134 23.0 11.3 33.8

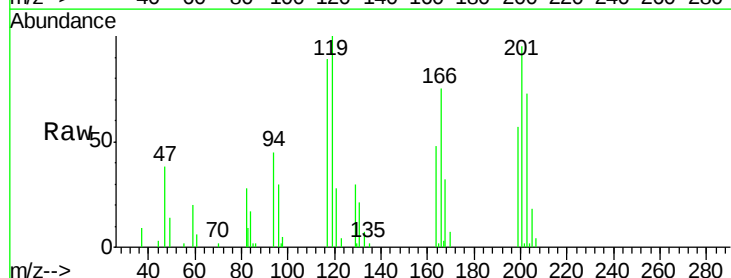


Abundance Ion 91.00 (90.70 to 91.70): VDC
Ion 92.00 (91.70 to 92.70): VDC
Ion 134.10 (133.80 to 134.80): V

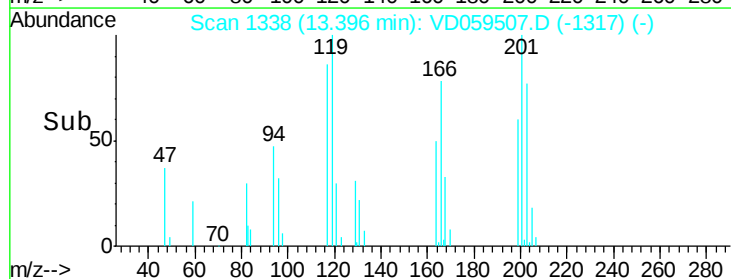
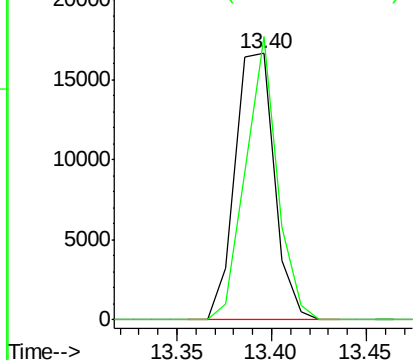


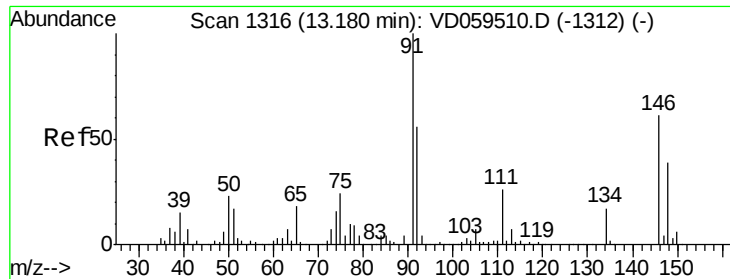
#90
Hexachloroethane
Concen: 4.617 ug/l
RT: 13.40 min Scan# 1338
Delta R.T. 0.01 min
Lab File: VD059507.D
Acq: 2 Jul 2018 17:06

Tgt Ion: 117 Resp: 23925
Ion Ratio Lower Upper
117 100
201 106.2 35.2 105.6#



Abundance Ion 116.85 (116.55 to 117.55): V
Ion 200.75 (200.45 to 201.45): V

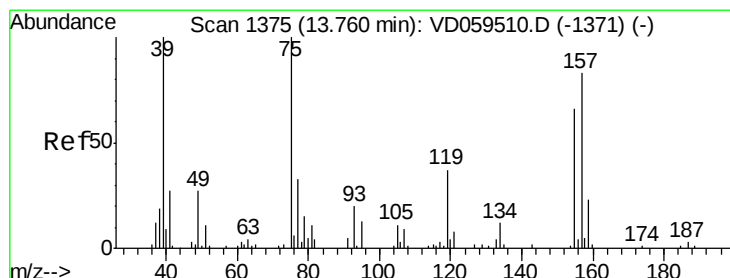
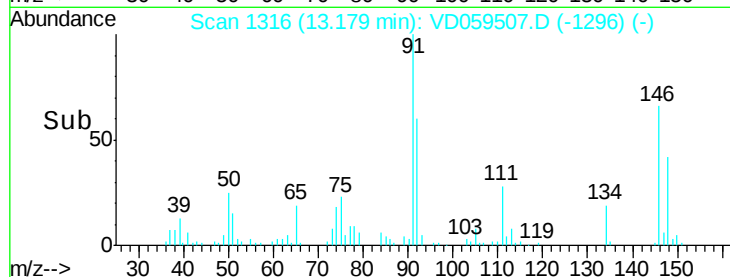
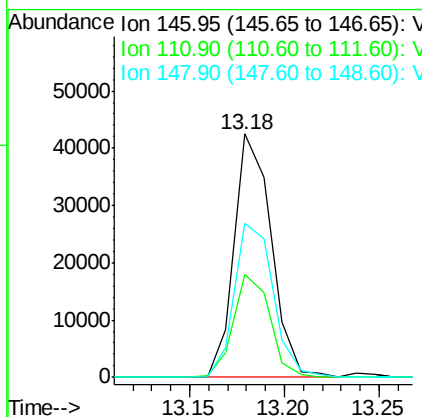
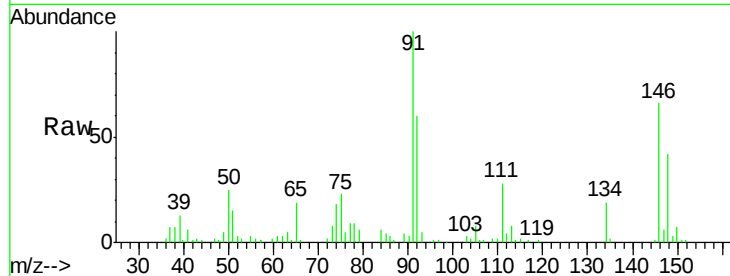




#91
 1,2-Dichlorobenzene
 Concen: 5.582 ug/l
 RT: 13.18 min Scan# 1316
 Delta R.T. -0.00 min
 Lab File: VD059507.D
 Acq: 2 Jul 2018 17:06

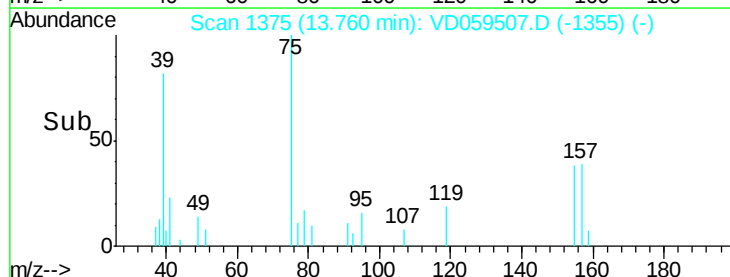
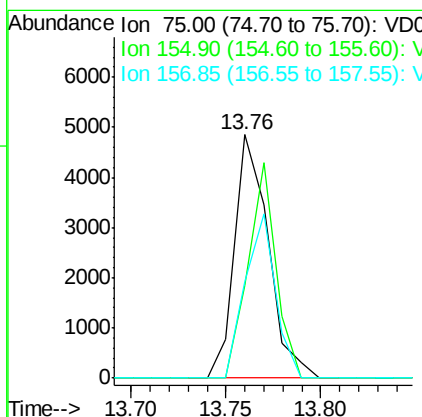
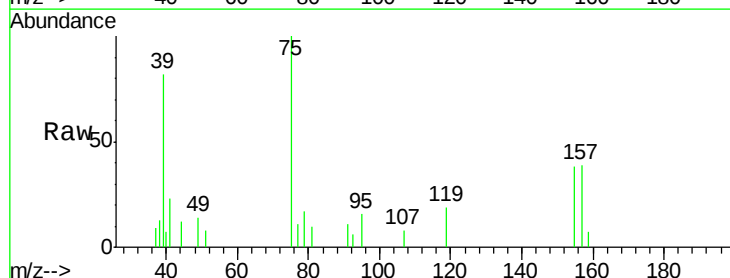
Instrument :
 MSVOA_D
 ClientSampleID :
 VSTDIC005

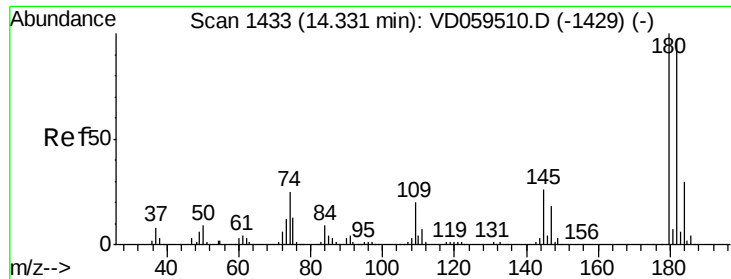
Tgt Ion:146 Resp: 57343
 Ion Ratio Lower Upper
 146 100
 111 42.0 21.3 63.9
 148 63.2 32.4 97.0



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 6.350 ug/l
 RT: 13.76 min Scan# 1375
 Delta R.T. -0.00 min
 Lab File: VD059507.D
 Acq: 2 Jul 2018 17:06

Tgt Ion: 75 Resp: 5948
 Ion Ratio Lower Upper
 75 100
 155 37.8 32.8 98.4
 157 39.4 41.5 124.5#

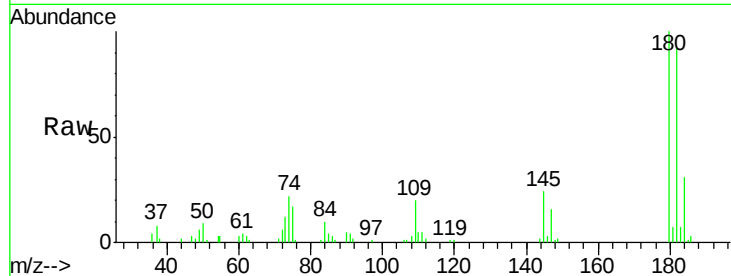




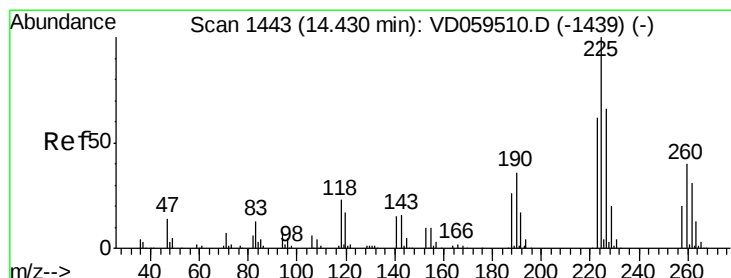
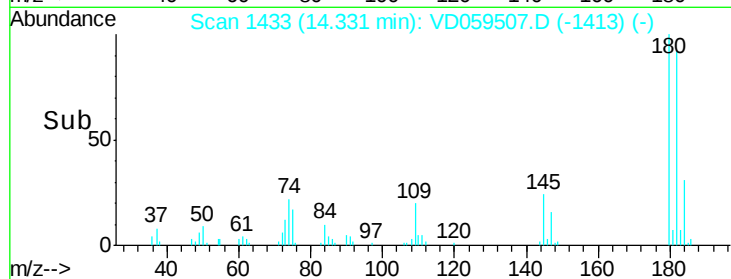
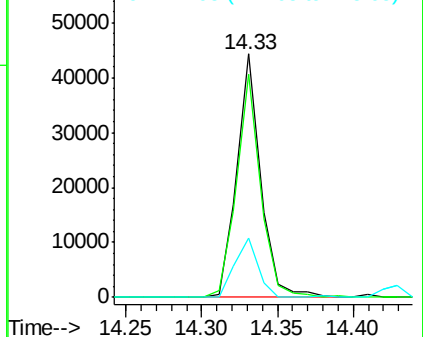
#93
 1,2,4-Trichlorobenzene
 Concen: 5.350 ug/l
 RT: 14.33 min Scan# 1433
 Delta R.T. -0.00 min
 Lab File: VD059507.D
 Acq: 2 Jul 2018 17:06

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

Tgt Ion:180 Resp: 48639
 Ion Ratio Lower Upper
 180 100
 182 91.9 48.7 146.1
 145 24.2 13.2 39.6

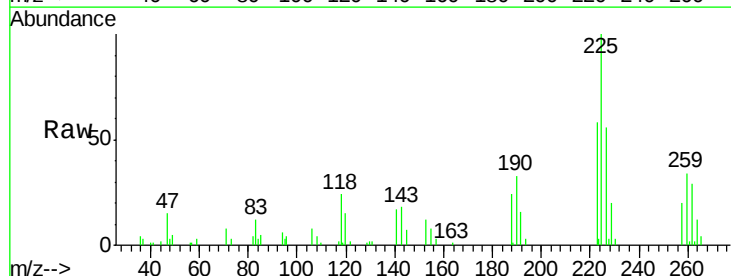


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

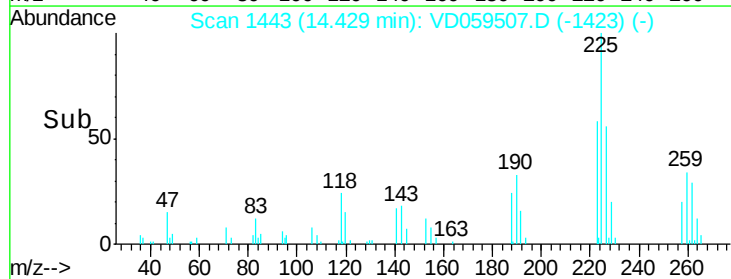
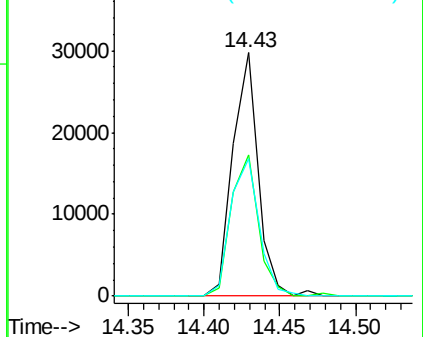


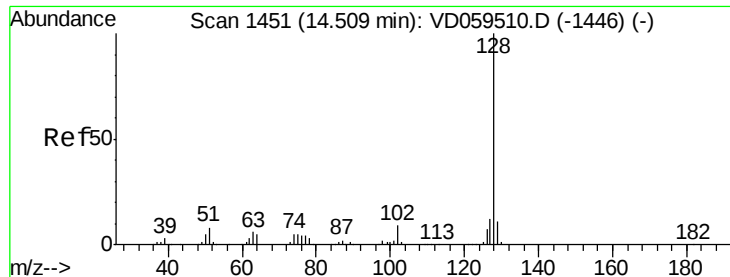
#94
 Hexachlorobutadiene
 Concen: 4.945 ug/l
 RT: 14.43 min Scan# 1443
 Delta R.T. -0.00 min
 Lab File: VD059507.D
 Acq: 2 Jul 2018 17:06

Tgt Ion:225 Resp: 34734
 Ion Ratio Lower Upper
 225 100
 223 57.9 31.0 93.0
 227 56.3 33.1 99.5



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





#95

Naphthalene

Concen: 5.080 ug/l

RT: 14.51 min Scan# 1451

Delta R.T. -0.00 min

Lab File: VD059507.D

Acq: 2 Jul 2018 17:06

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

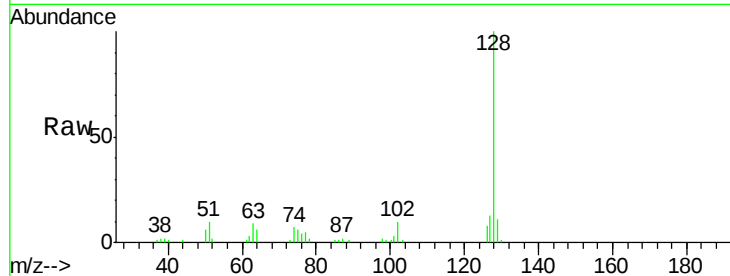
Tgt Ion:128 Resp: 68352

Ion Ratio Lower Upper

128 100

127 13.0 9.8 14.8

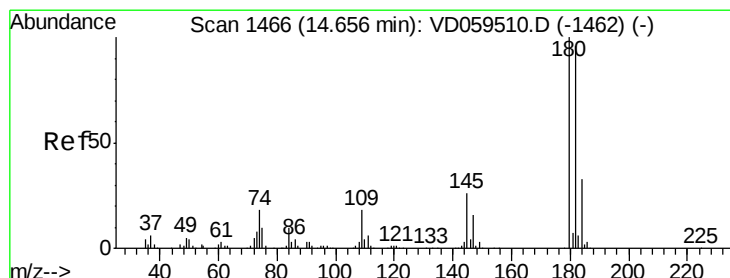
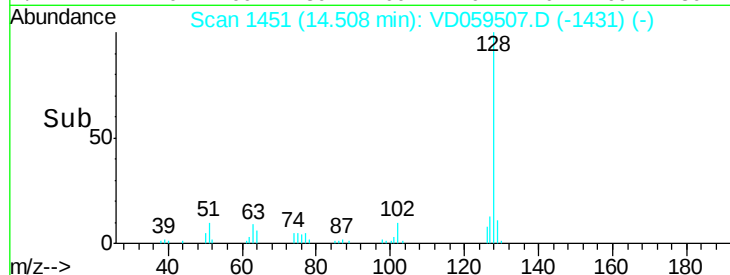
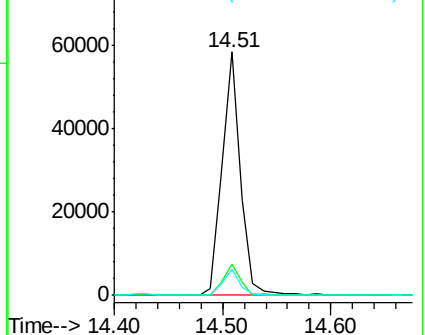
129 10.5 8.6 12.8



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: 4.827 ug/l

RT: 14.66 min Scan# 1466

Delta R.T. -0.00 min

Lab File: VD059507.D

Acq: 2 Jul 2018 17:06

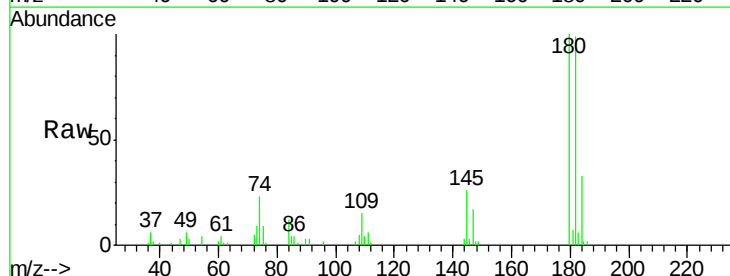
Tgt Ion:180 Resp: 39231

Ion Ratio Lower Upper

180 100

182 99.0 48.1 144.4

145 26.4 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

