

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD080819\
 Data File : VD063457.D
 Acq On : 9 Aug 2019 1:36
 Operator : JC/SY
 Sample : K4223-22
 Misc : 4.01g/5ml/MSVOA_D/SOIL
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SP-11

Quant Time: Aug 09 07:03:31 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D072919S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 30 03:04:50 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.06	168	884777	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	8.23	114	1208972	50.00	ug/l	0.02
63) Chlorobenzene-d5	12.37	117	675658	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.53	152	190676	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.46	65	422027	42.99	ug/l	0.02
Spiked Amount				50.000		
			Recovery	=	85.98%	
35) Dibromofluoromethane	6.94	113	410141	39.73	ug/l	0.03
Spiked Amount				50.000		
			Recovery	=	79.46%	
50) Toluene-d8	10.42	98	677345	29.32	ug/l	0.02
Spiked Amount				50.000		
			Recovery	=	58.64%	
62) 4-Bromofluorobenzene	13.56	95	204494	19.43	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	38.86%	

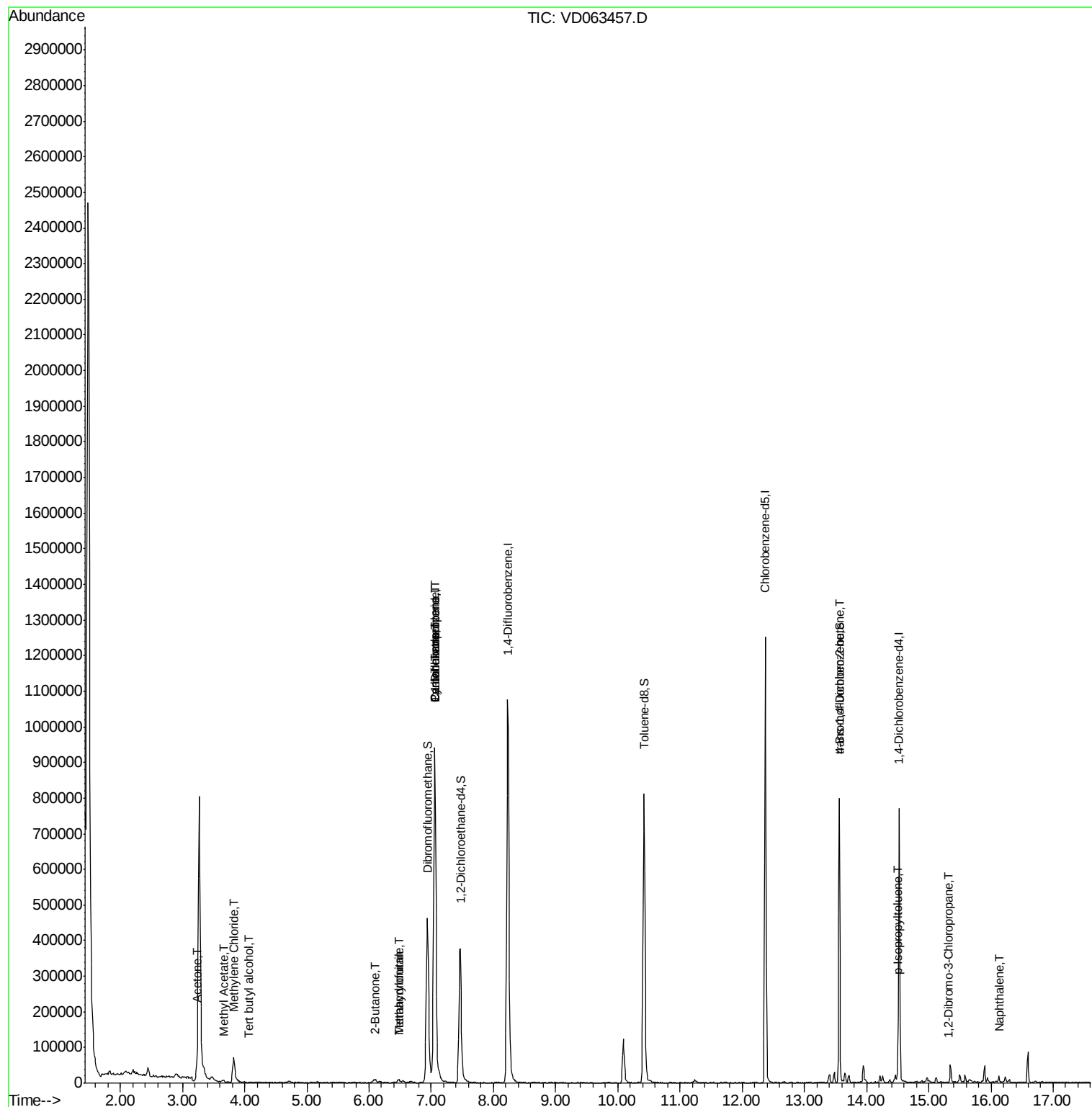
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.07	59	579	1.344	ug/l #	69
16) Acetone	3.23	43	71189	37.217	ug/l #	87
18) Methyl Acetate	3.66	43	11292	3.073	ug/l	94
20) Methylene Chloride	3.83	84	44352	5.736	ug/l	93
25) 2-Butanone	6.10	43	21210	11.049	ug/l #	78
29) Tetrahydrofuran	6.47	42	9112	10.026	ug/l #	80
31) Cyclohexane	7.06	56	18293	2.092	ug/l #	13
36) 1,1-Dichloropropene	7.06	75	68585	6.216	ug/l #	53
38) Carbon Tetrachloride	7.06	117	89390	5.382	ug/l #	14
41) Methacrylonitrile	6.48	41	6249	1.054	ug/l #	81
81) trans-1,4-Dichloro-2-buten	13.56	75	96585	151.873	ug/l #	3
86) p-Isopropyltoluene	14.50	119	14913	1.258	ug/l	91
92) 1,2-Dibromo-3-Chloropropan	15.31	75	428	1.034	ug/l #	4
95) Naphthalene	16.13	128	11927	2.022	ug/l	97

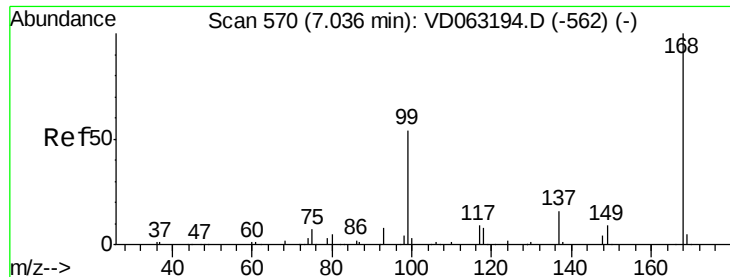
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D072919S.M
Quant Title : SW846 8260
QLast Update : Tue Jul 30 03:04:50 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.06 min Scan# 572

Delta R.T. 0.02 min

Lab File: VD063457.D

Acq: 9 Aug 2019 1:36

Instrument :

MSVOA_D

ClientSampled :

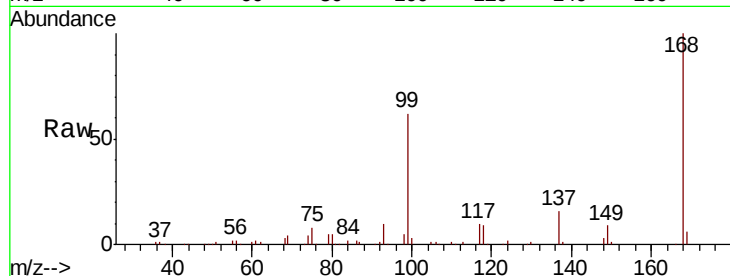
SP-11

Tgt Ion:168 Resp: 884777

Ion Ratio Lower Upper

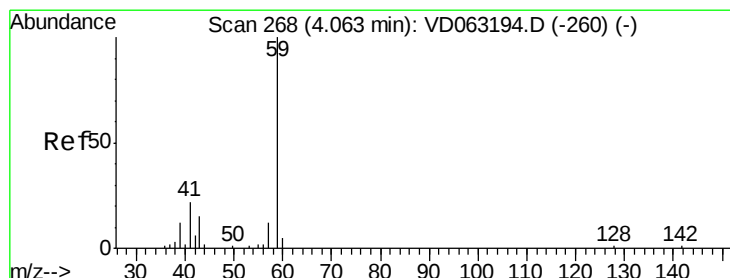
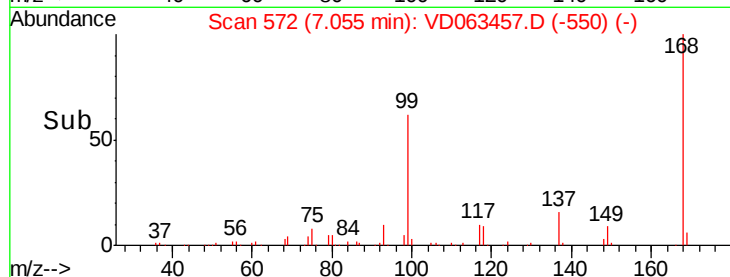
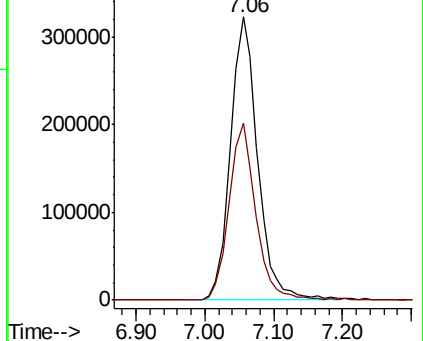
168 100

99 62.5 43.7 65.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#11

Tert butyl alcohol

Concen: 1.344 ug/l

RT: 4.07 min Scan# 269

Delta R.T. 0.01 min

Lab File: VD063457.D

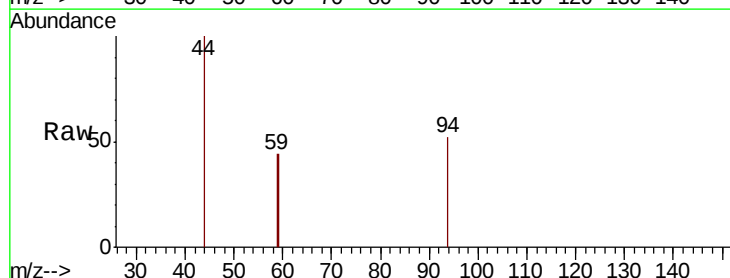
Acq: 9 Aug 2019 1:36

Tgt Ion: 59 Resp: 579

Ion Ratio Lower Upper

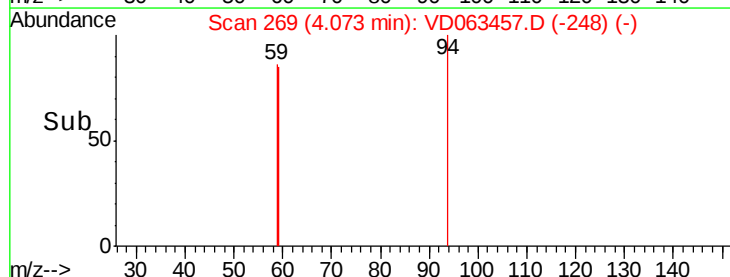
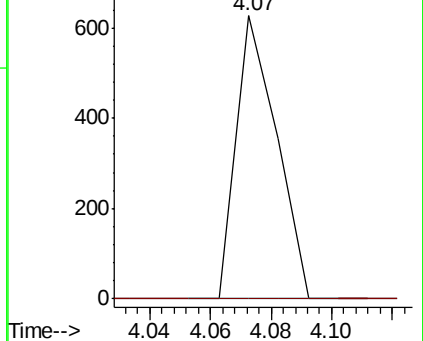
59 100

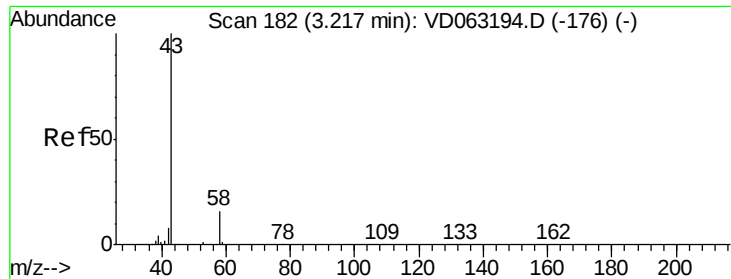
57 0.0 9.6 14.4#



Abundance Ion 58.95 (58.65 to 59.65): VDC

Ion 56.95 (56.65 to 57.65): VDC





#16

Acetone

Concen: 37.217 ug/l

RT: 3.23 min Scan# 183

Delta R.T. 0.01 min

Lab File: VD063457.D

Acq: 9 Aug 2019 1:36

Instrument :

MSVOA_D

ClientSampled :

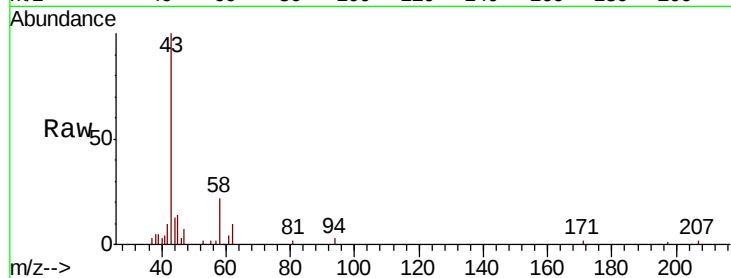
SP-11

Tgt Ion: 43 Resp: 71189

Ion Ratio Lower Upper

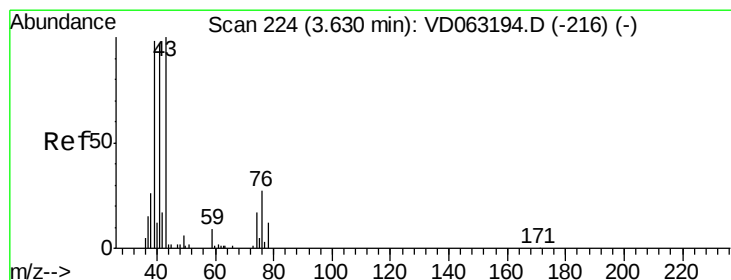
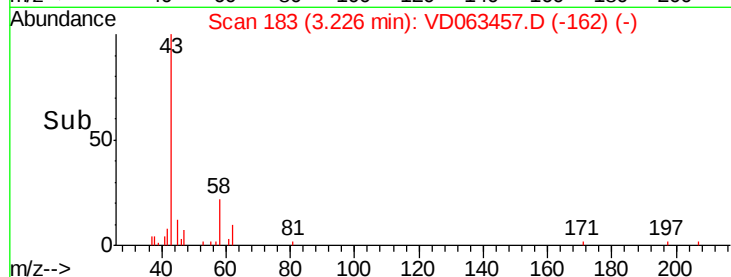
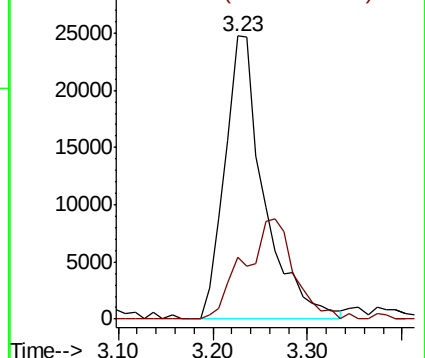
43 100

58 21.7 13.0 19.4#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#18

Methyl Acetate

Concen: 3.073 ug/l

RT: 3.66 min Scan# 227

Delta R.T. 0.03 min

Lab File: VD063457.D

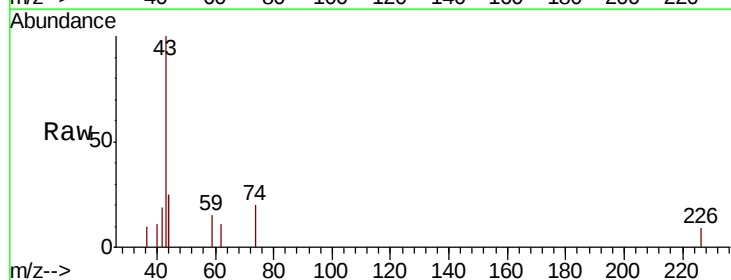
Acq: 9 Aug 2019 1:36

Tgt Ion: 43 Resp: 11292

Ion Ratio Lower Upper

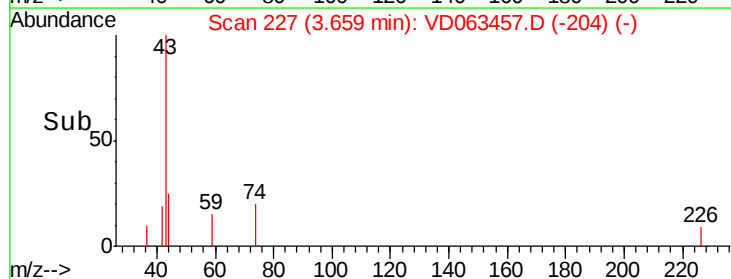
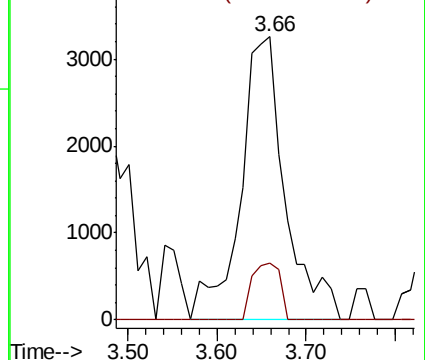
43 100

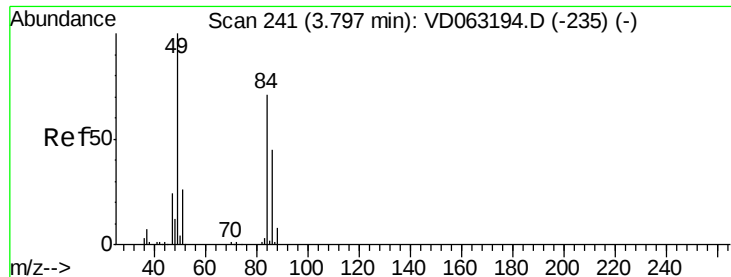
74 20.0 13.8 20.8



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC

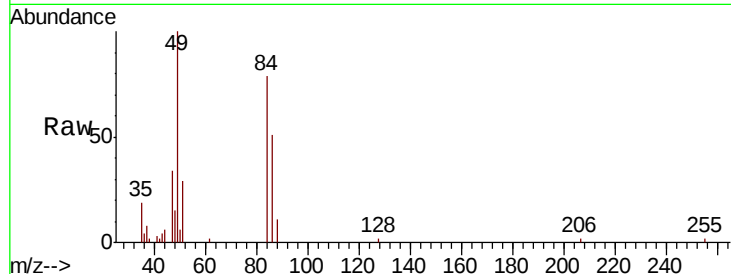




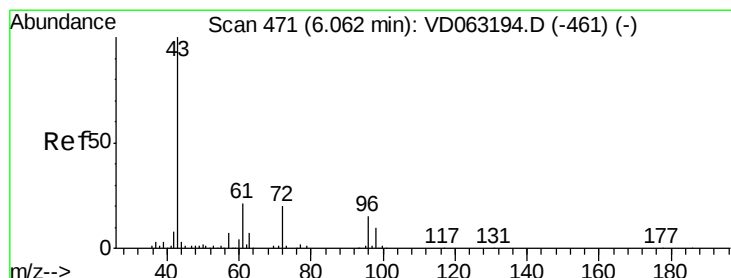
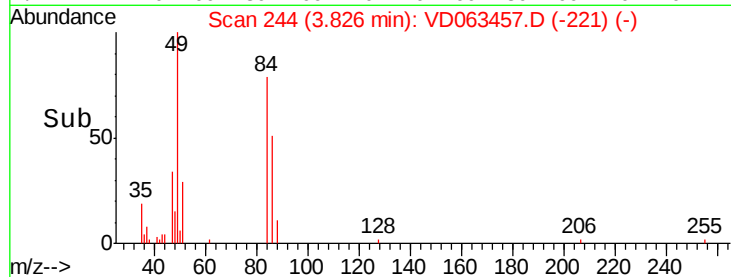
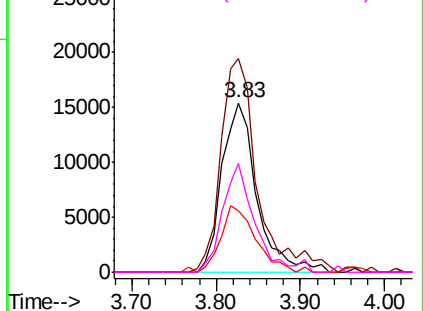
#20
Methylene Chloride
Concen: 5.736 ug/l
RT: 3.83 min Scan# 244
Delta R.T. 0.03 min
Lab File: VD063457.D
Acq: 9 Aug 2019 1:36

Instrument :
MSVOA_D
ClientSampleId :
SP-11

Tgt Ion:	84	Resp:	44352
Ion	Ratio	Lower	Upper
84	100		
49	126.4	112.5	168.7
51	36.6	29.6	44.4
86	64.7	50.4	75.6

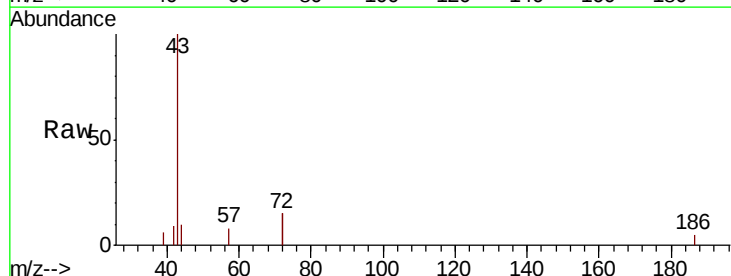


Abundance Ion 83.95 (83.65 to 84.65): VDC
Ion 48.90 (48.60 to 49.60): VDC
Ion 50.90 (50.60 to 51.60): VDC
Ion 85.90 (85.60 to 86.60): VDC

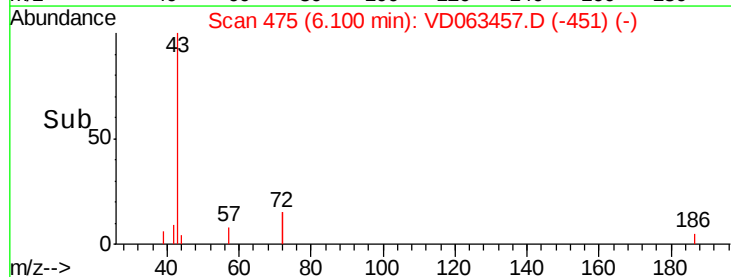
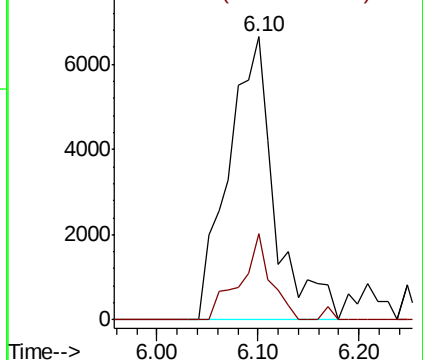


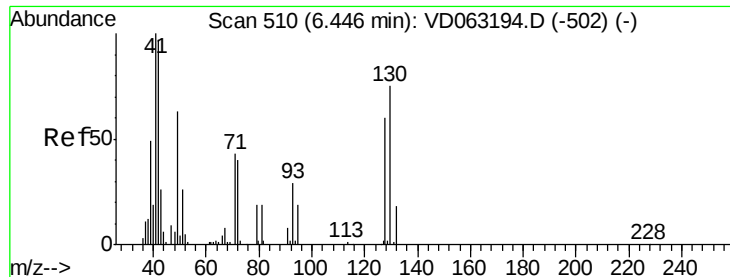
#25
2-Butanone
Concen: 11.049 ug/l
RT: 6.10 min Scan# 475
Delta R.T. 0.04 min
Lab File: VD063457.D
Acq: 9 Aug 2019 1:36

Tgt Ion:	43	Resp:	21210
Ion	Ratio	Lower	Upper
43	100		
72	30.6	16.3	24.5#



Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 72.00 (71.70 to 72.70): VDC

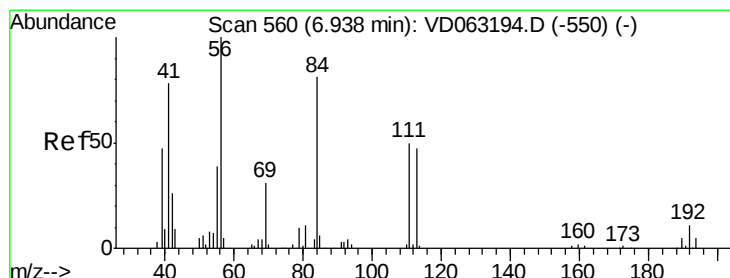
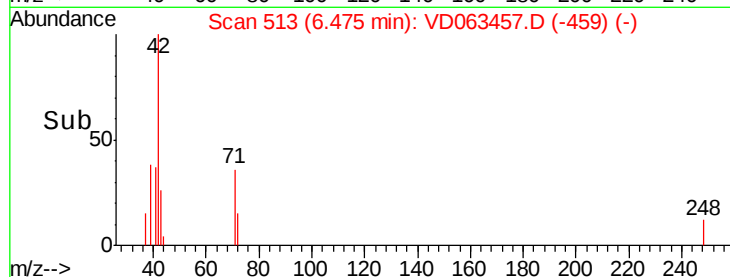
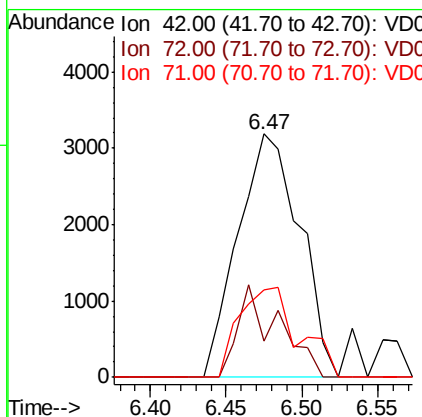
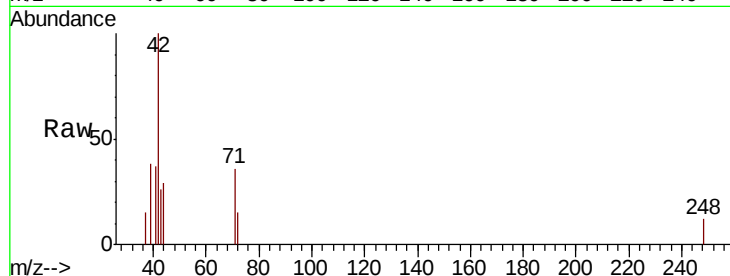




#29
Tetrahydrofuran
Concen: 10.026 ug/l
RT: 6.47 min Scan# 513
Delta R.T. 0.03 min
Lab File: VD063457.D
Acq: 9 Aug 2019 1:36

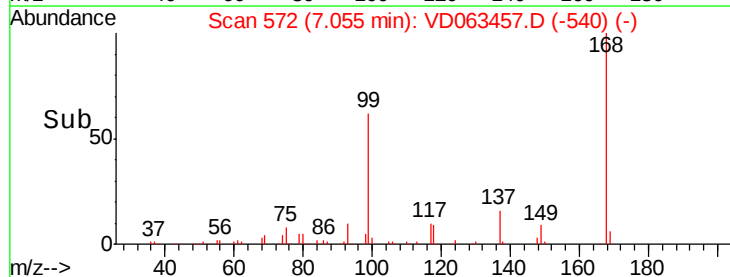
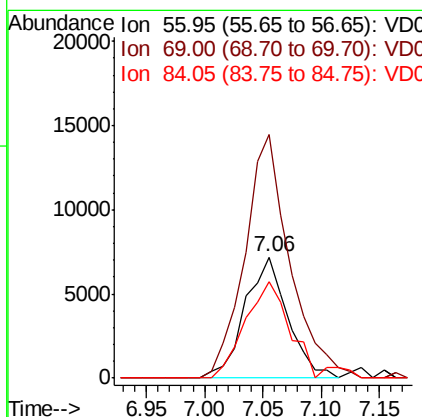
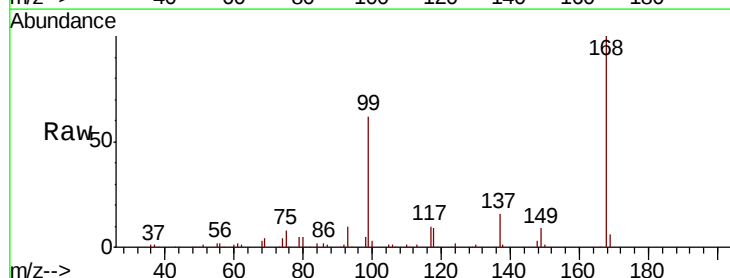
Instrument :
MSVOA_D
ClientSampleId :
SP-11

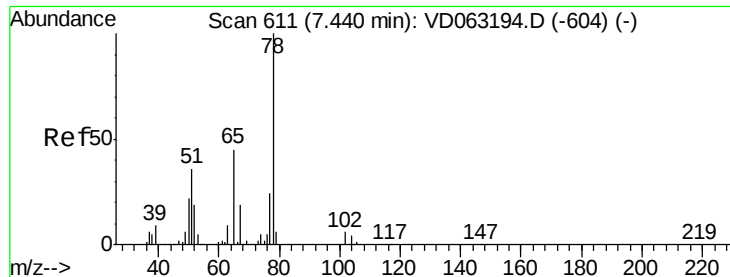
Tgt Ion: 42 Resp: 9112
Ion Ratio Lower Upper
42 100
72 24.8 33.4 50.2#
71 35.2 35.7 53.5#



#31
Cyclohexane
Concen: 2.092 ug/l
RT: 7.06 min Scan# 572
Delta R.T. 0.12 min
Lab File: VD063457.D
Acq: 9 Aug 2019 1:36

Tgt Ion: 56 Resp: 18293
Ion Ratio Lower Upper
56 100
69 201.3 24.5 36.7#
84 79.5 64.9 97.3





#33

1,2-Dichloroethane-d4

Concen: 42.987 ug/l

RT: 7.46 min Scan# 613

Delta R.T. 0.02 min

Lab File: VD063457.D

Acq: 9 Aug 2019 1:36

Instrument :

MSVOA_D

ClientSampleId :

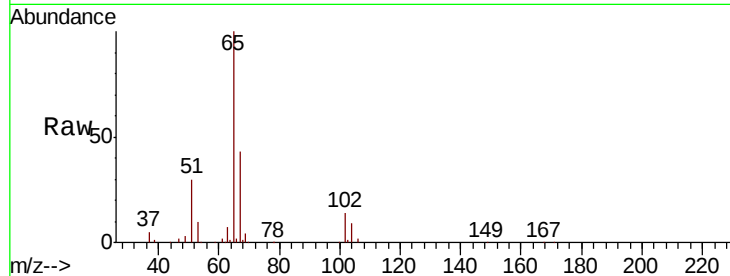
SP-11

Tgt Ion: 65 Resp: 422027

Ion Ratio Lower Upper

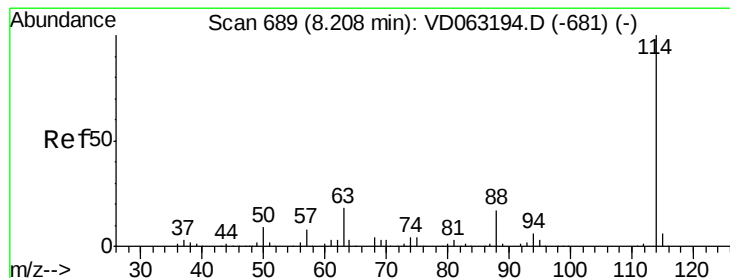
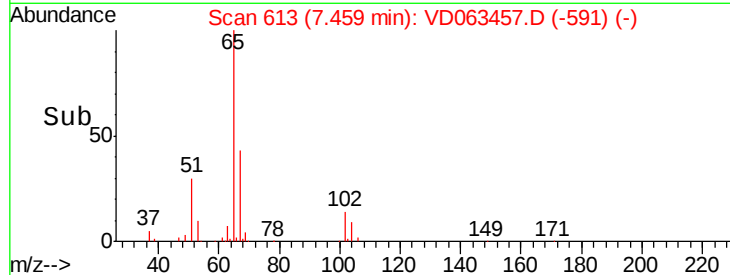
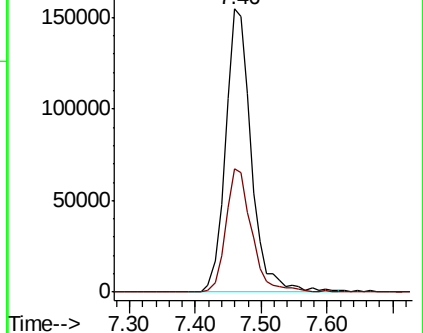
65 100

67 43.4 0.0 85.8



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.23 min Scan# 691

Delta R.T. 0.02 min

Lab File: VD063457.D

Acq: 9 Aug 2019 1:36

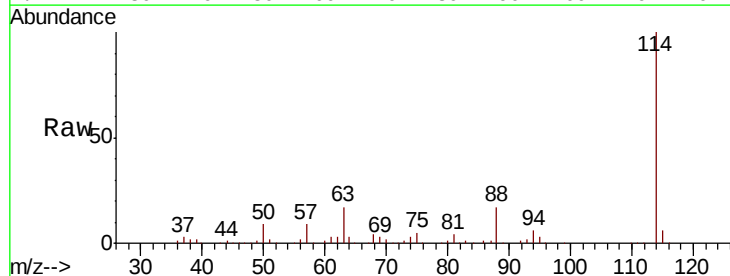
Tgt Ion: 114 Resp: 1208972

Ion Ratio Lower Upper

114 100

63 17.3 0.0 35.2

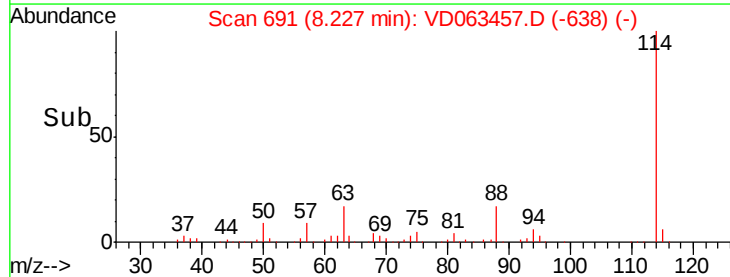
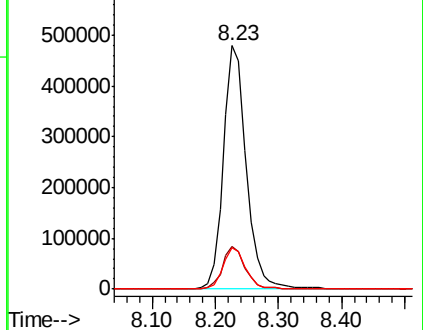
88 17.2 0.0 34.6

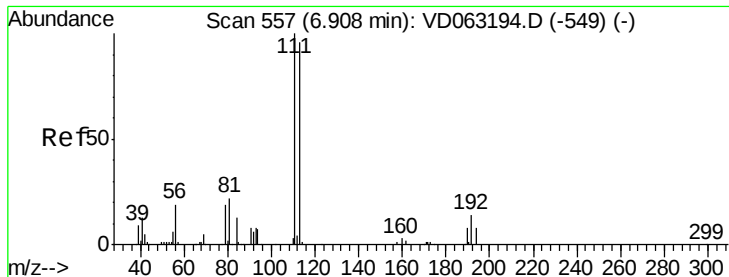


Abundance Ion 114.00 (113.70 to 114.70): VDC

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC





#35

Dibromofluoromethane

Concen: 39.734 ug/l

RT: 6.94 min Scan# 560

Delta R.T. 0.03 min

Lab File: VD063457.D

Acq: 9 Aug 2019 1:36

Instrument :

MSVOA_D

ClientSampleId :

SP-11

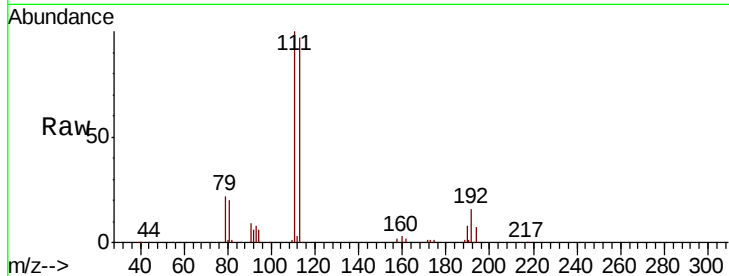
Tgt Ion:113 Resp: 410141

Ion Ratio Lower Upper

113 100

111 103.5 83.2 124.8

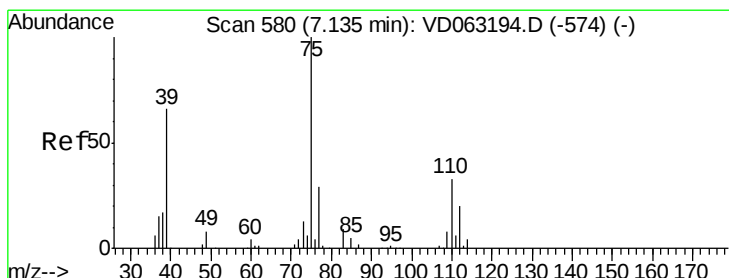
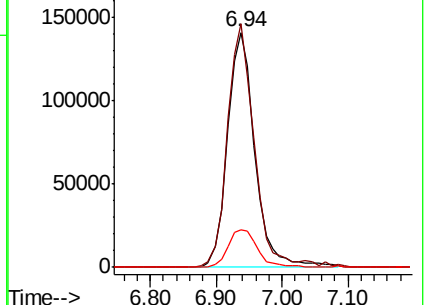
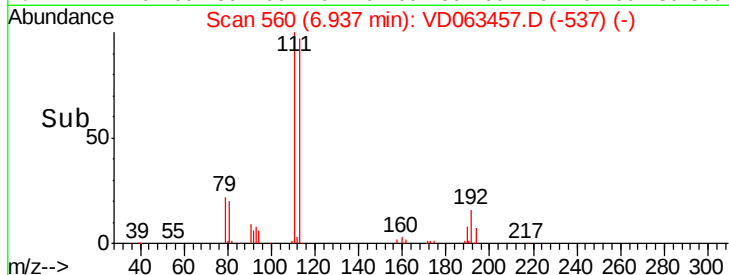
192 16.1 11.8 17.8



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: 6.216 ug/l

RT: 7.06 min Scan# 572

Delta R.T. -0.08 min

Lab File: VD063457.D

Acq: 9 Aug 2019 1:36

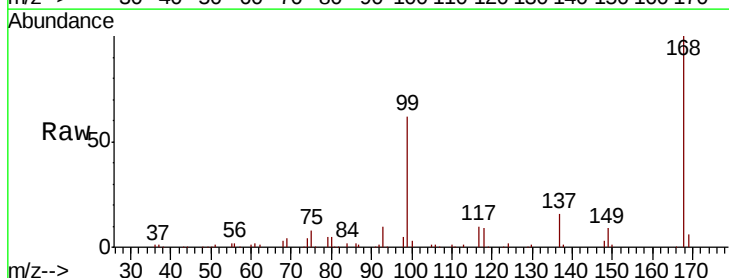
Tgt Ion: 75 Resp: 68585

Ion Ratio Lower Upper

75 100

110 8.9 16.1 48.2#

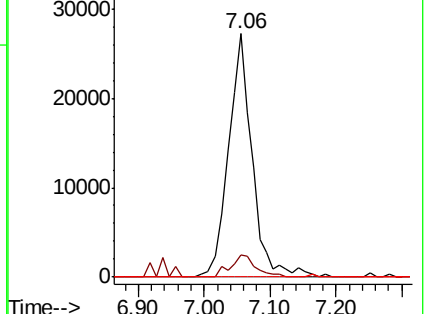
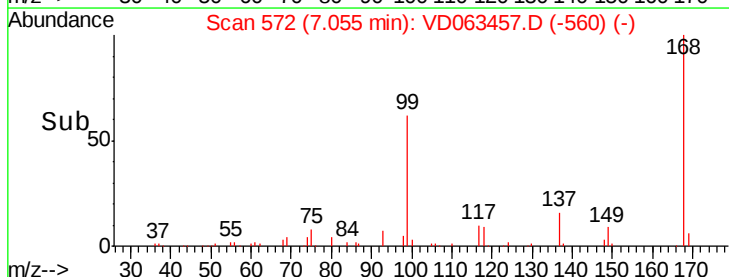
77 0.0 22.7 34.1#

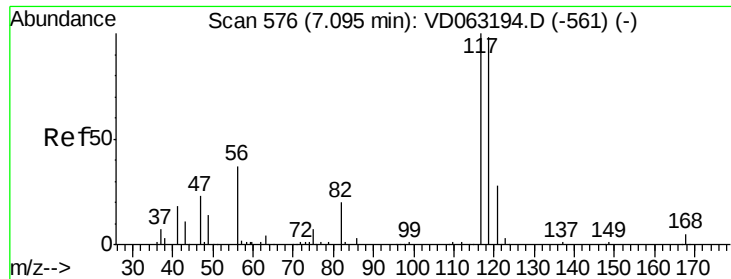


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): V





#38

Carbon Tetrachloride

Concen: 5.382 ug/l

RT: 7.06 min Scan# 572

Delta R.T. -0.04 min

Lab File: VD063457.D

Acq: 9 Aug 2019 1:36

Instrument :

MSVOA_D

ClientSampleId :

SP-11

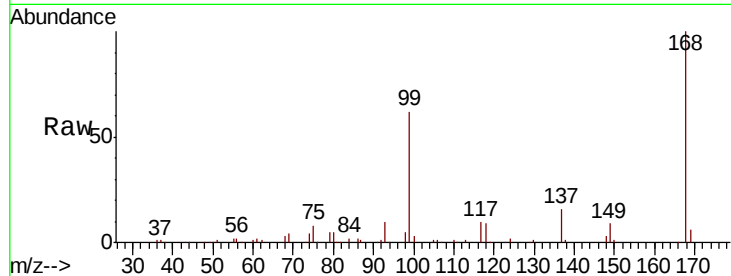
Tgt Ion:117 Resp: 89390

Ion Ratio Lower Upper

117 100

119 3.9 78.2 117.2#

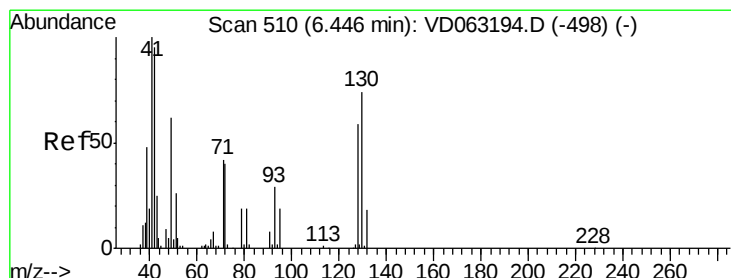
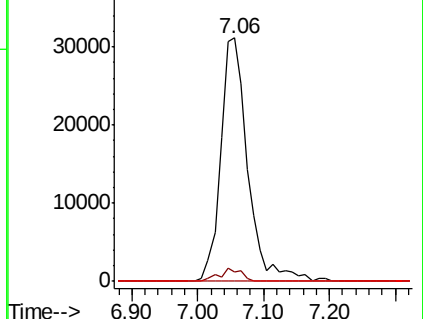
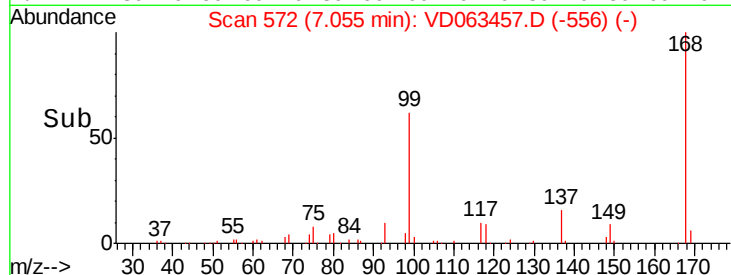
121 0.0 22.1 33.1#



Abundance Ion 116.85 (116.55 to 117.55): V

Ion 118.85 (118.55 to 119.55): V

Ion 120.85 (120.55 to 121.55): V



#41

Methacrylonitrile

Concen: 1.054 ug/l

RT: 6.48 min Scan# 514

Delta R.T. 0.04 min

Lab File: VD063457.D

Acq: 9 Aug 2019 1:36

Tgt Ion: 41 Resp: 6249

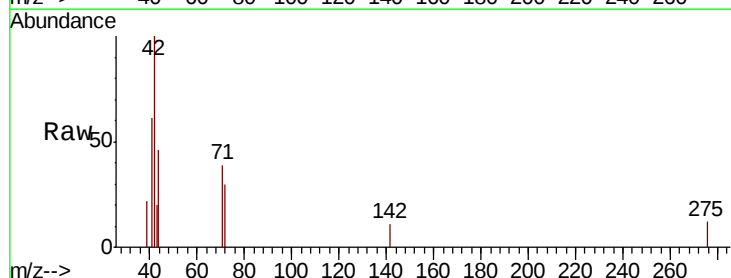
Ion Ratio Lower Upper

41 100

39 35.8 38.4 57.6#

67 0.0 6.7 10.1#

52 0.0 4.3 6.5#

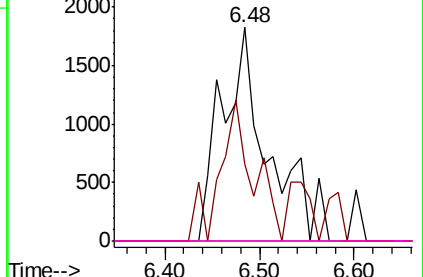
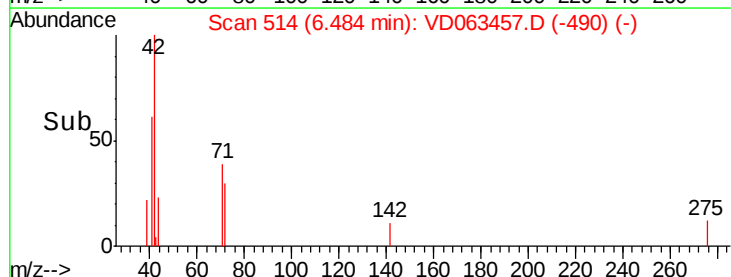


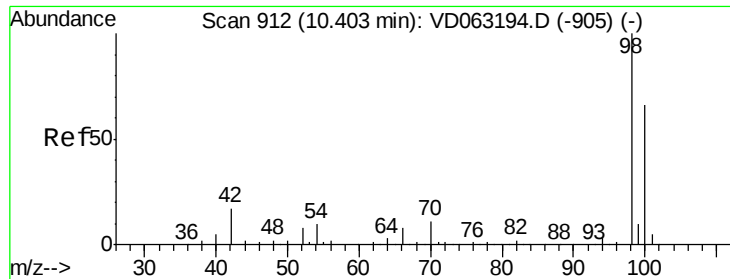
Abundance Ion 40.95 (40.65 to 41.65): VDC

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

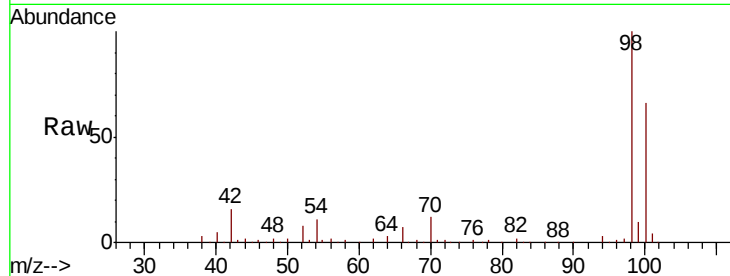




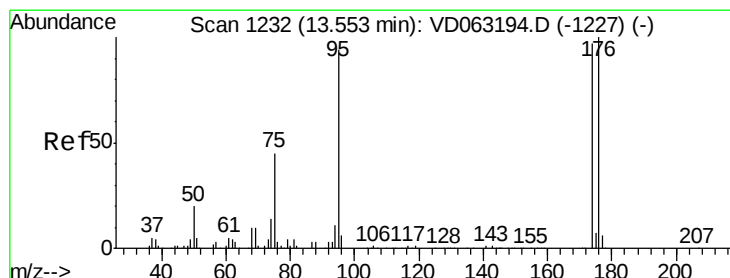
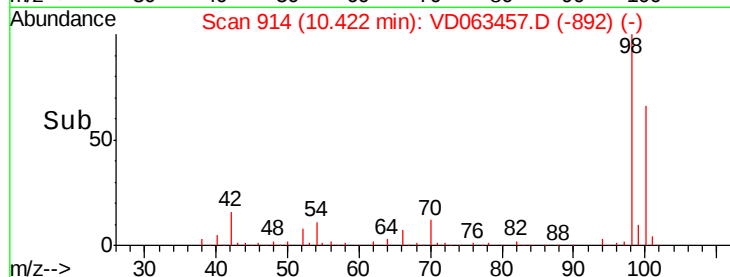
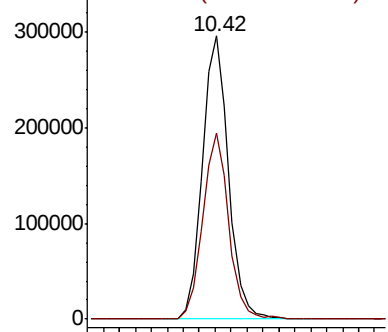
#50
Toluene-d8
Concen: 29.321 ug/l
RT: 10.42 min Scan# 914
Delta R.T. 0.02 min
Lab File: VD063457.D
Acq: 9 Aug 2019 1:36

Instrument :
MSVOA_D
ClientSampleId :
SP-11

Tgt Ion: 98 Resp: 677345
Ion Ratio Lower Upper
98 100
100 65.6 53.2 79.8

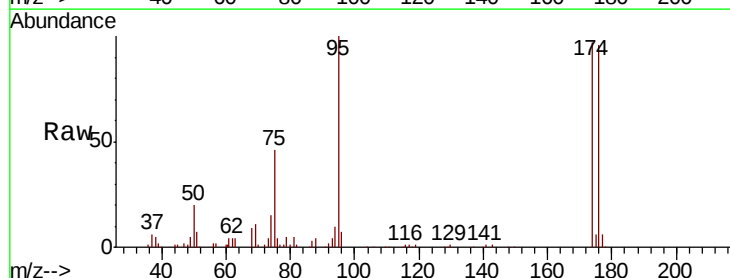


Abundance Ion 98.05 (97.75 to 98.75): VDC
Ion 100.05 (99.75 to 100.75): VDC

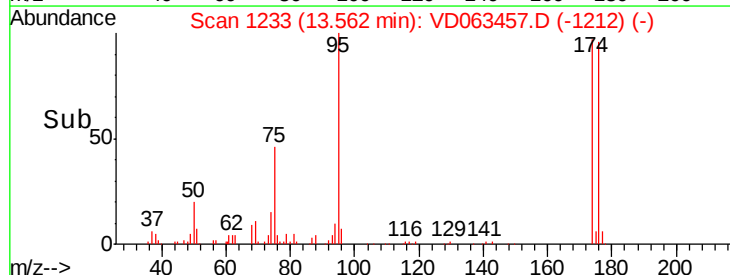
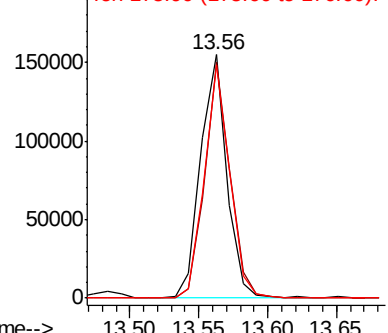


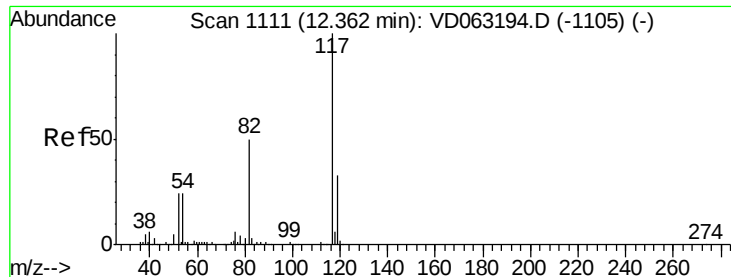
#62
4-Bromofluorobenzene
Concen: 19.426 ug/l
RT: 13.56 min Scan# 1233
Delta R.T. 0.01 min
Lab File: VD063457.D
Acq: 9 Aug 2019 1:36

Tgt Ion: 95 Resp: 204494
Ion Ratio Lower Upper
95 100
174 97.1 0.0 205.4
176 95.8 0.0 211.8



Abundance Ion 95.00 (94.70 to 95.70): VDC
Ion 173.90 (173.60 to 174.60): VDC
Ion 175.90 (175.60 to 176.60): VDC

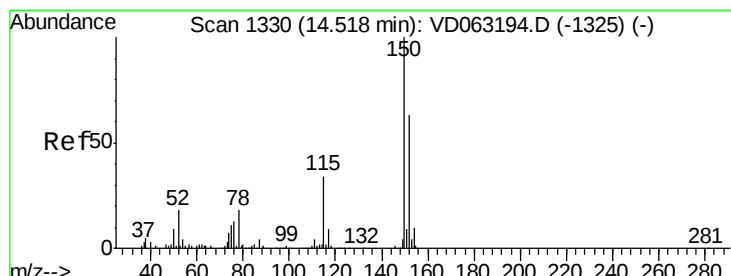
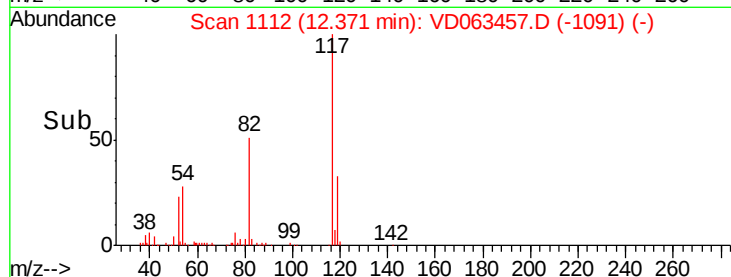
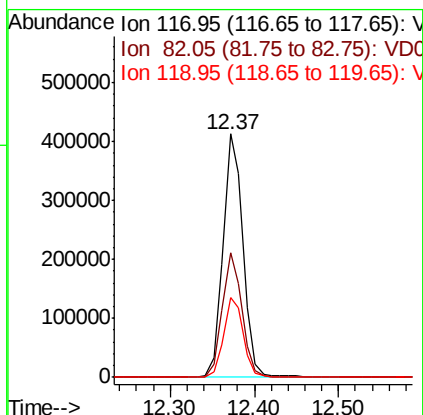
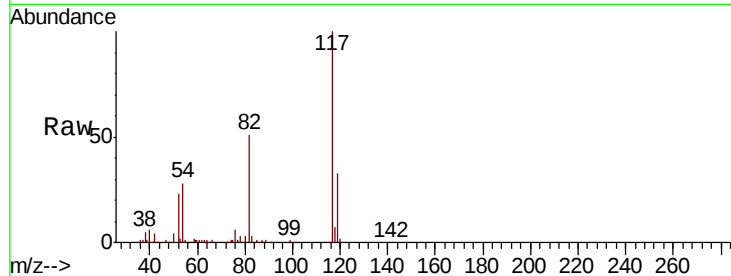




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.37 min Scan# 1112
Delta R.T. 0.01 min
Lab File: VD063457.D
Acq: 9 Aug 2019 1:36

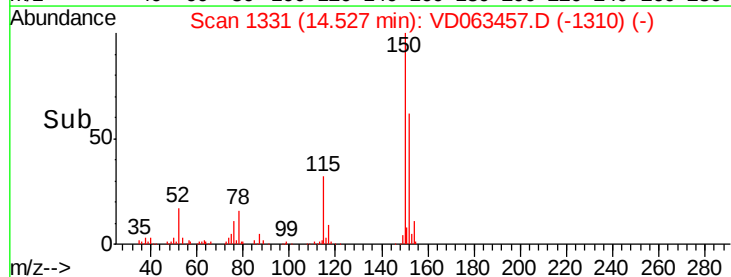
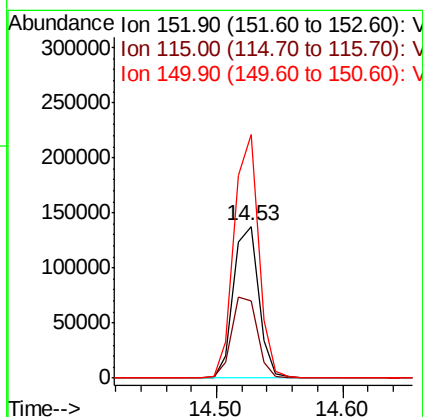
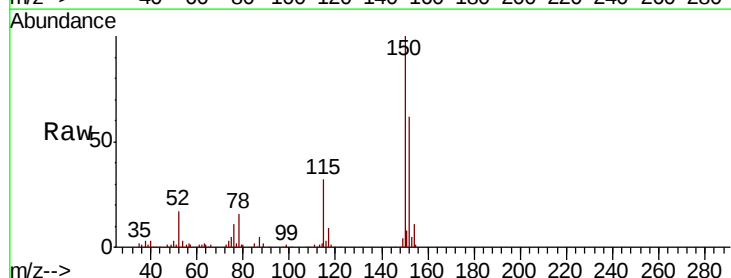
Instrument :
MSVOA_D
ClientSampled :
SP-11

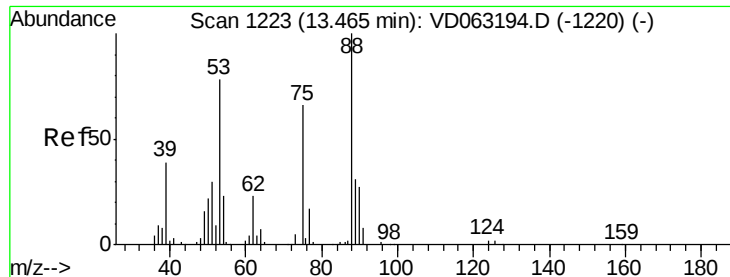
Tgt Ion:117 Resp: 675658
Ion Ratio Lower Upper
117 100
82 51.0 40.1 60.1
119 32.6 26.5 39.7



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.53 min Scan# 1331
Delta R.T. 0.01 min
Lab File: VD063457.D
Acq: 9 Aug 2019 1:36

Tgt Ion:152 Resp: 190676
Ion Ratio Lower Upper
152 100
115 51.1 27.5 82.4
150 160.2 0.0 320.6

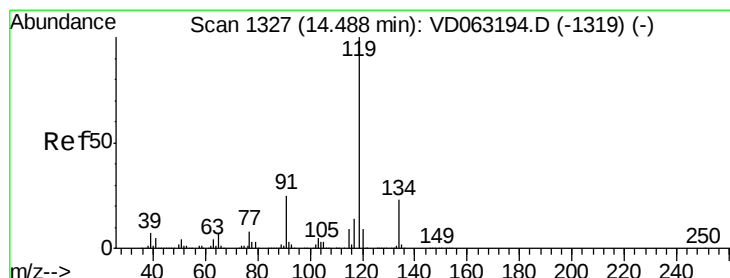
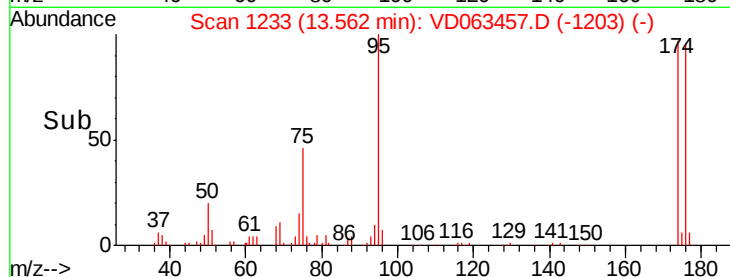
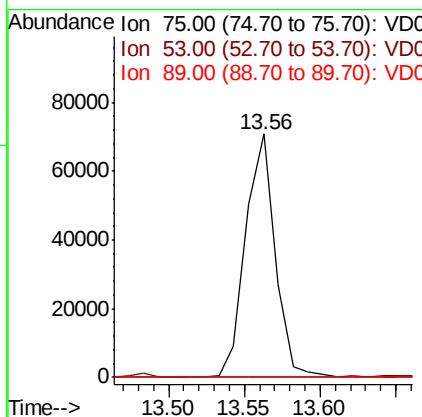
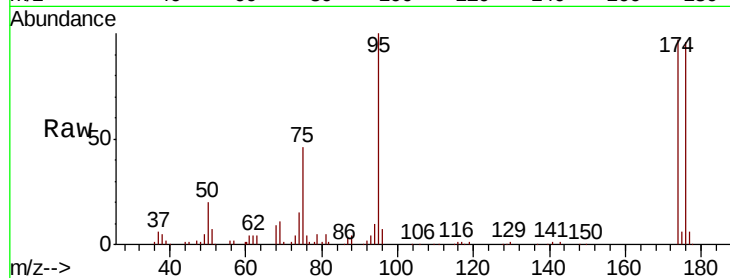




#81
trans-1,4-Dichloro-2-butene
Concen: 151.873 ug/l
RT: 13.56 min Scan# 1233
Delta R.T. 0.10 min
Lab File: VD063457.D
Acq: 9 Aug 2019 1:36

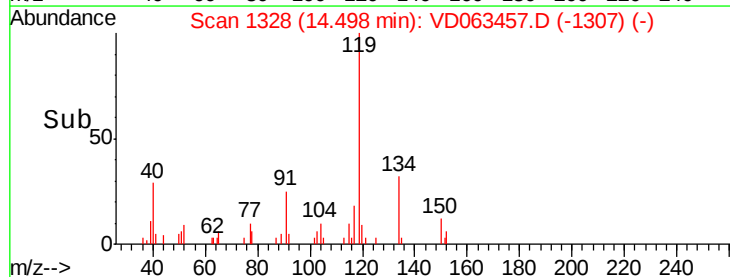
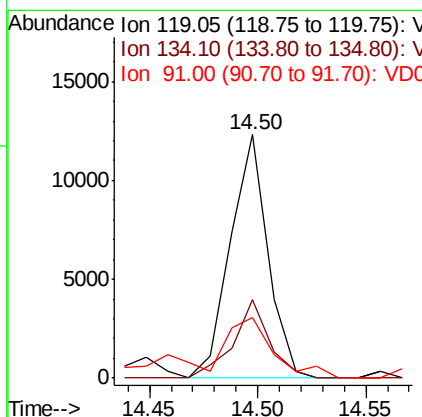
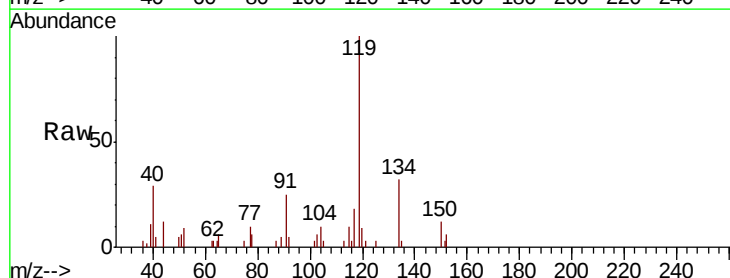
Instrument :
MSVOA_D
ClientSampleId :
SP-11

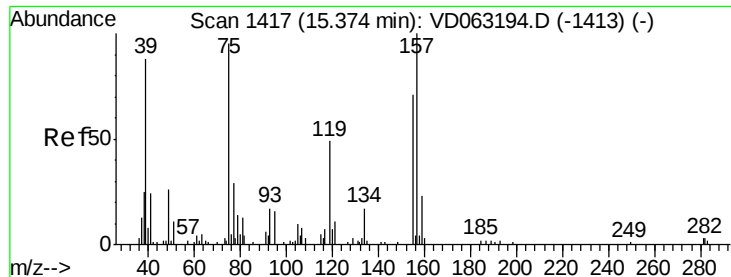
Tgt Ion: 75 Resp: 96585
Ion Ratio Lower Upper
75 100
53 0.0 94.9 142.3#
89 0.0 37.4 56.0#



#86
p-Isopropyltoluene
Concen: 1.258 ug/l
RT: 14.50 min Scan# 1328
Delta R.T. 0.01 min
Lab File: VD063457.D
Acq: 9 Aug 2019 1:36

Tgt Ion: 119 Resp: 14913
Ion Ratio Lower Upper
119 100
134 32.2 11.5 34.5
91 24.9 12.6 37.6





#92

1,2-Dibromo-3-Chloropropane

Concen: 1.034 ug/l

RT: 15.31 min Scan# 1411

Delta R.T. -0.06 min

Lab File: VD063457.D

Acq: 9 Aug 2019 1:36

Instrument :

MSVOA_D

ClientSampleId :

SP-11

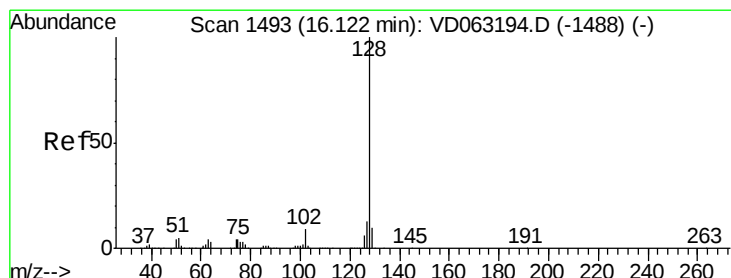
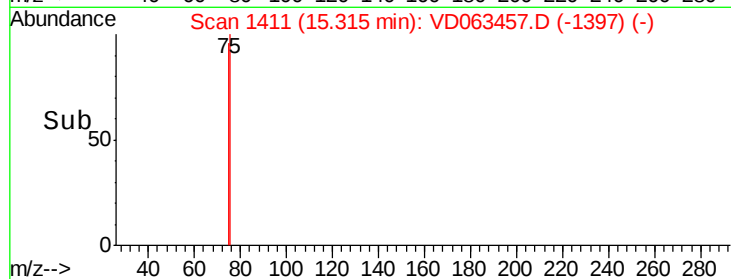
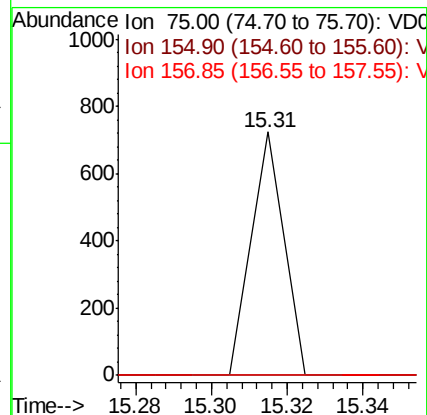
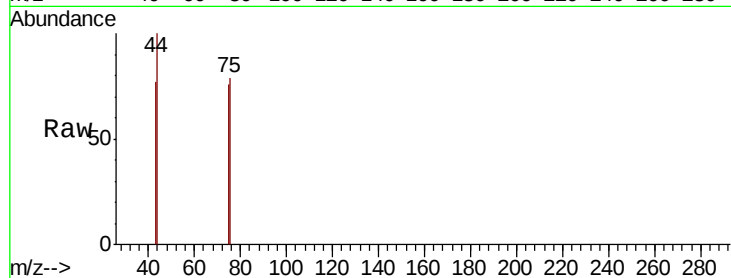
Tgt Ion: 75 Resp: 428

Ion Ratio Lower Upper

75 100

155 0.0 37.0 111.0#

157 0.0 52.4 157.2#



#95

Naphthalene

Concen: 2.022 ug/l

RT: 16.13 min Scan# 1494

Delta R.T. 0.01 min

Lab File: VD063457.D

Acq: 9 Aug 2019 1:36

Tgt Ion: 128 Resp: 11927

Ion Ratio Lower Upper

128 100

127 14.1 10.2 15.4

129 10.5 7.8 11.8

