

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD083118\
 Data File : VD059932.D
 Acq On : 31 Aug 2018 13:31
 Operator : JC/SY
 Sample : J4723-01RE
 Misc : 5.04g/5ml/MSVOA D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 RA-082918-ESW-NSC-054RE

Quant Time: Aug 31 14:35:12 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D082218S.M
 Quant Title : SW846 8260
 QLast Update : Thu Aug 23 03:03:08 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.38	168	950000	50.00	ug/l	-0.04
34) 1,4-Difluorobenzene	7.42	114	1399432	50.00	ug/l	-0.03
63) Chlorobenzene-d5	11.27	117	999497	50.00	ug/l	-0.03
72) 1,4-Dichlorobenzene-d4	13.36	152	348726	50.00	ug/l	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.76	65	393739	49.17	ug/l	-0.04
Spiked Amount			Recovery	=	98.34%	
35) Dibromofluoromethane	6.30	113	470864	42.92	ug/l	-0.04
Spiked Amount			Recovery	=	85.84%	
50) Toluene-d8	9.44	98	1096410	36.01	ug/l	-0.03
Spiked Amount			Recovery	=	72.02%	
62) 4-Bromofluorobenzene	12.42	95	361189	29.21	ug/l	-0.02
Spiked Amount			Recovery	=	58.42%	

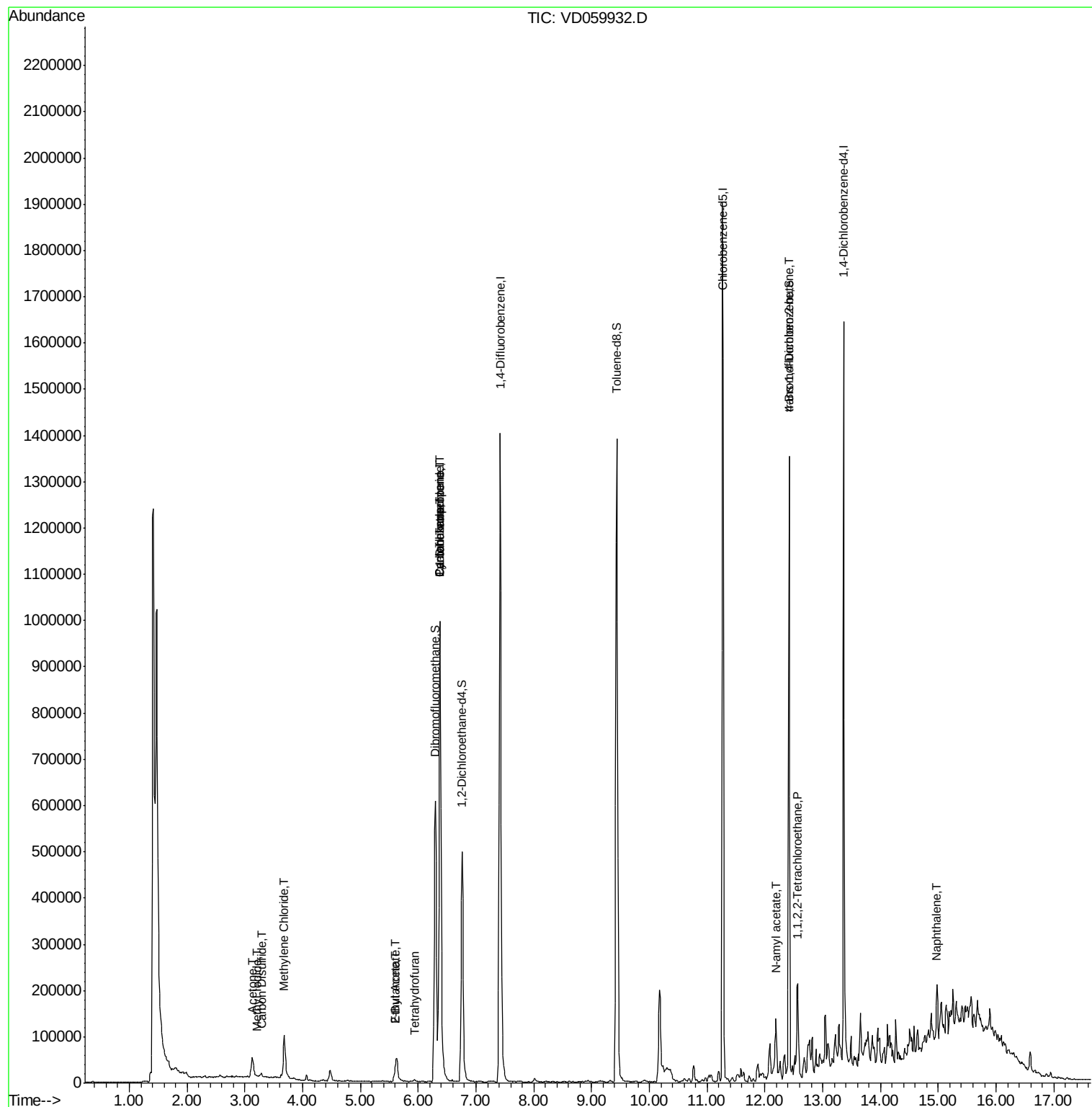
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Methyl Iodide	3.22	142	920	3.654	ug/l #	31
16) Acetone	3.13	43	94783	64.974	ug/l	99
17) Carbon Disulfide	3.29	76	11505	1.114	ug/l	97
20) Methylene Chloride	3.68	84	55458	2.133	ug/l	96
25) 2-Butanone	5.59	43	43204	10.000	ug/l	96
29) Tetrahydrofuran	5.93	42	4095	1.991	ug/l #	65
31) Cyclohexane	6.38	56	22153	1.453	ug/l #	1
36) 1,1-Dichloropropene	6.38	75	68684	5.414	ug/l #	47
37) Ethyl Acetate	5.59	43	43204	4.377	ug/l #	71
38) Carbon Tetrachloride	6.38	117	76870	6.004	ug/l #	16
74) N-amyl acetate	12.19	43	41006	4.207	ug/l #	66
75) 1,1,2,2-Tetrachloroethane	12.57	83	9982	1.939	ug/l #	48
81) trans-1,4-Dichloro-2-buten	12.42	75	149207	88.499	ug/l #	12
89) n-Butylbenzene	13.64	91	8216	Below Cal		88
95) Naphthalene	14.96	128	12416	1.013	ug/l #	91

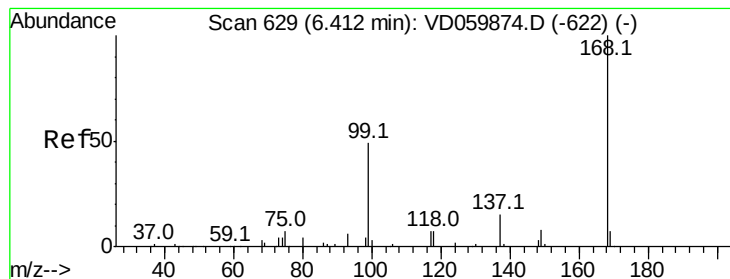
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD083118\
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D082218S.M
Quant Title : SW846 8260
QLast Update : Thu Aug 23 03:03:08 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 6.38 min Scan# 625

Delta R.T. -0.04 min

Lab File: VD059932.D

Acq: 31 Aug 2018 13:31

Instrument :

MSVOA_D

ClientSampleId :

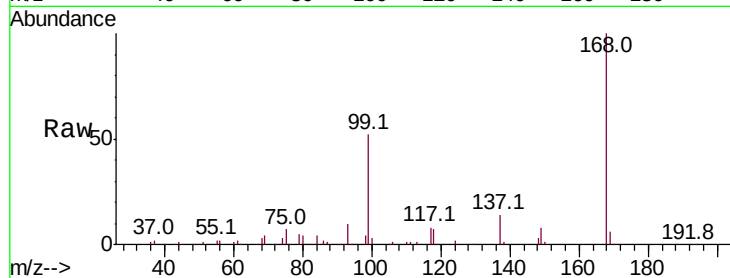
RA-082918-ESW-NSC-054RE

Tot Ion:168 Resp: 950000

Ion Ratio Lower Upper

168 100

99 52.3 42.2 63.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): V

6.38

400000

300000

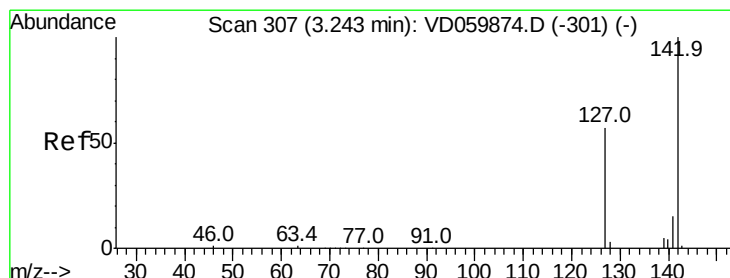
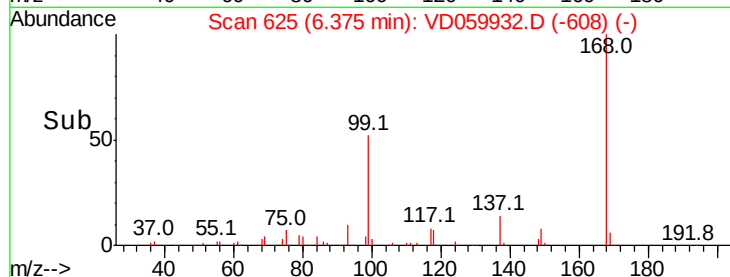
200000

100000

0

Time-->

6.20 6.30 6.40 6.50 6.60



#10

Methyl Iodide

Concen: 3.654 ug/l

RT: 3.22 min Scan# 304

Delta R.T. -0.03 min

Lab File: VD059932.D

Acq: 31 Aug 2018 13:31

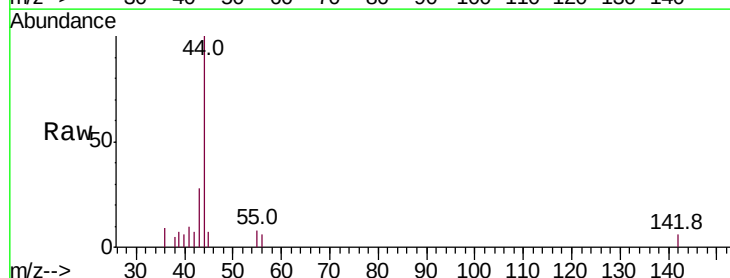
Tgt Ion:142 Resp: 920

Ion Ratio Lower Upper

142 100

127 0.0 45.8 68.6#

141 0.0 11.6 17.4#



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

600

500

400

300

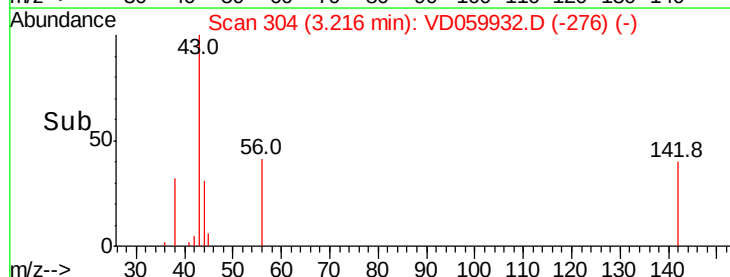
200

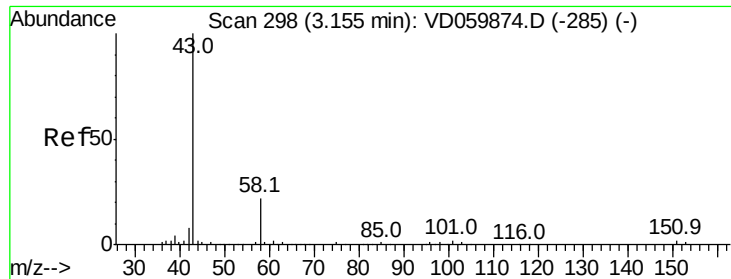
100

0

Time-->

3.20 3.25





#16

Acetone

Concen: 64.974 ug/l

RT: 3.13 min Scan# 295

Delta R.T. -0.03 min

Lab File: VD059932.D

Acq: 31 Aug 2018 13:31

Instrument :

MSVOA_D

ClientSampleId :

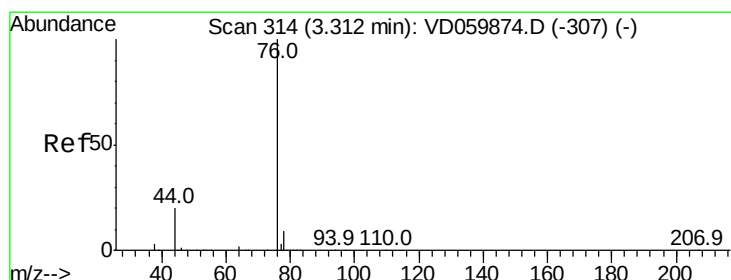
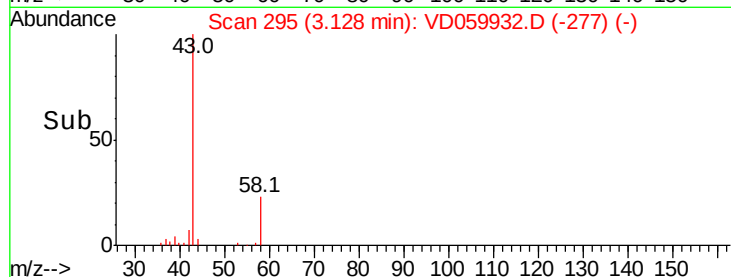
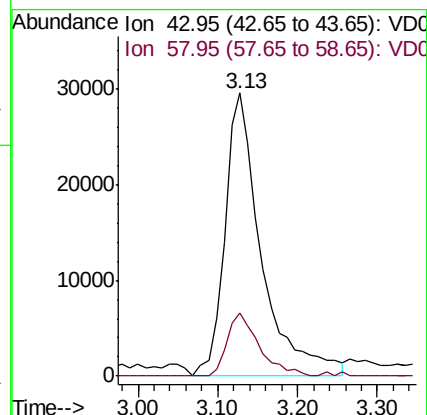
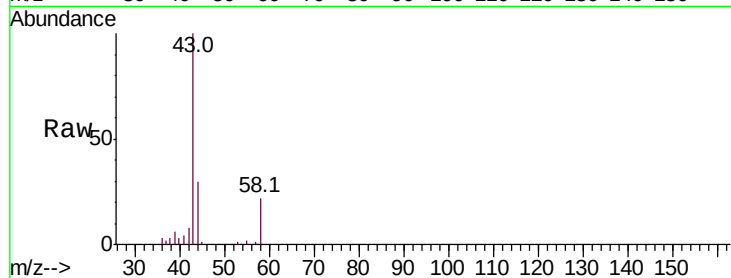
RA-082918-ESW-NSC-054RE

Tot Ion: 43 Resp: 94783

Ion Ratio Lower Upper

43 100

58 22.3 17.6 26.4



#17

Carbon Disulfide

Concen: 1.114 ug/l

RT: 3.29 min Scan# 311

Delta R.T. -0.03 min

Lab File: VD059932.D

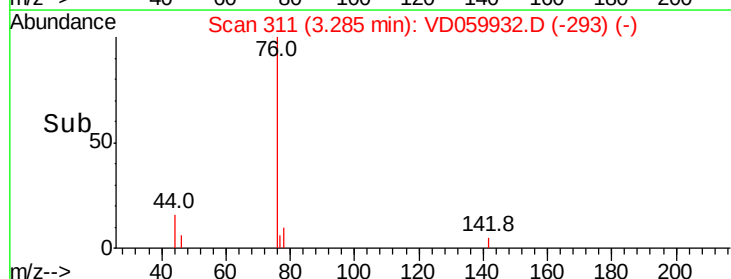
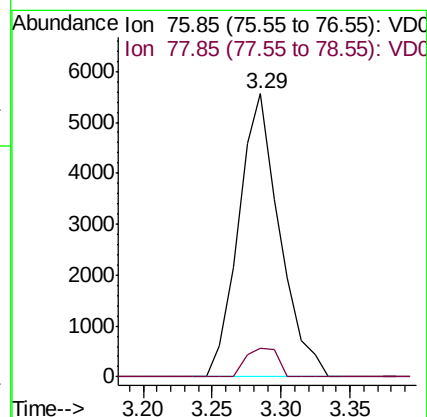
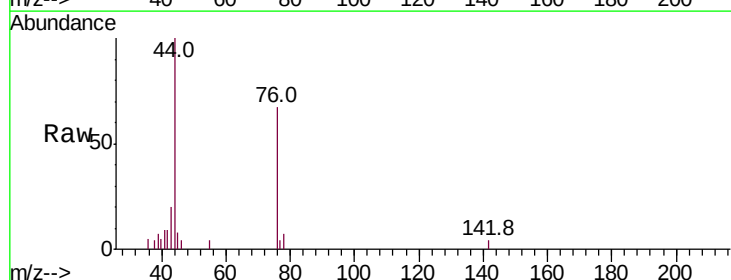
Acq: 31 Aug 2018 13:31

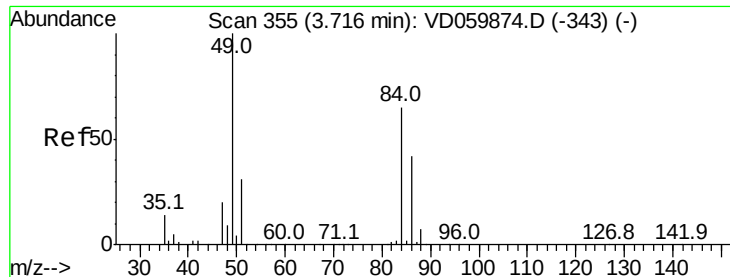
Tgt Ion: 76 Resp: 11505

Ion Ratio Lower Upper

76 100

78 10.3 7.4 11.2

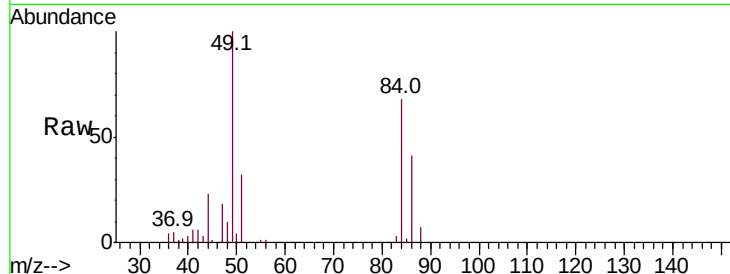




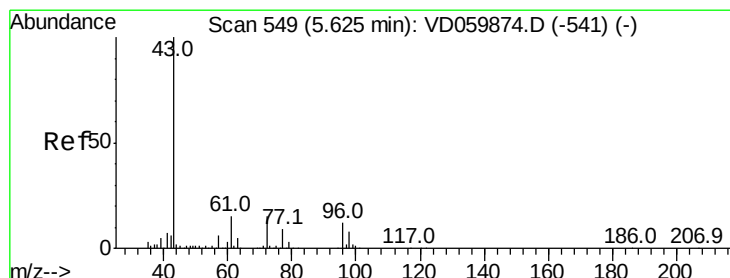
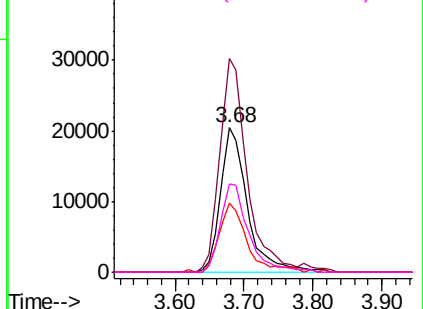
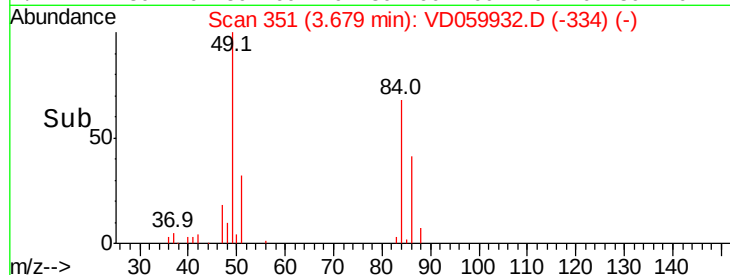
#20
Methvlene Chloride
Concen: 2.133 ug/l
RT: 3.68 min Scan# 351
Delta R.T. -0.04 min
Lab File: VD059932.D
Acq: 31 Aug 2018 13:31

Instrument :
MSVOA_D
ClientSampleId :
RA-082918-ESW-NSC-054RE

Tot Ion: 84 Resp: 55458
Ion Ratio Lower Upper
84 100
49 147.8 122.6 183.8
51 47.5 38.4 57.6
86 61.3 51.5 77.3

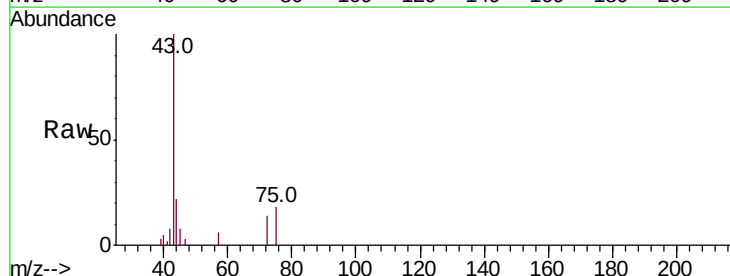


Abundance Ion 83.95 (83.65 to 84.65): VDC
Ion 48.90 (48.60 to 49.60): VDC
Ion 50.90 (50.60 to 51.60): VDC
Ion 85.90 (85.60 to 86.60): VDC

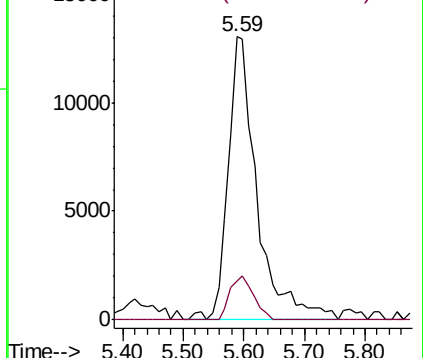
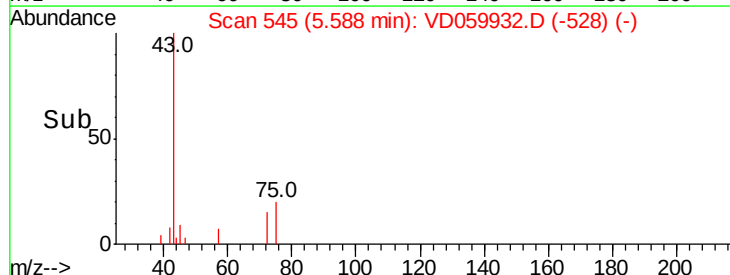


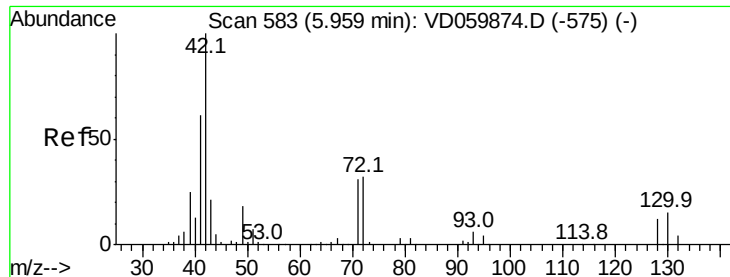
#25
2-Butanone
Concen: 10.000 ug/l
RT: 5.59 min Scan# 545
Delta R.T. -0.04 min
Lab File: VD059932.D
Acq: 31 Aug 2018 13:31

Tgt Ion: 43 Resp: 43204
Ion Ratio Lower Upper
43 100
72 13.6 12.3 18.5



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





#29

Tetrahydrofuran

Concen: 1.991 ug/l

RT: 5.93 min Scan# 580

Delta R.T. -0.03 min

Lab File: VD059932.D

Acq: 31 Aug 2018 13:31

Instrument :

MSVOA_D

ClientSampleId :

RA-082918-ESW-NSC-054RE

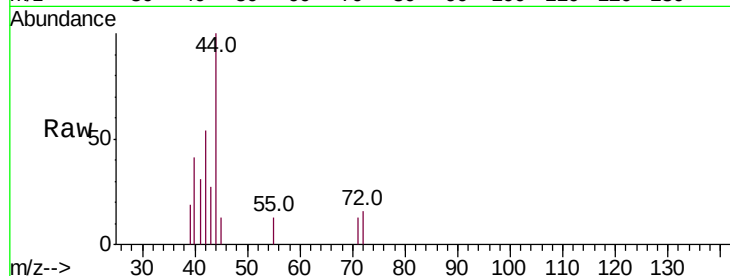
Tot Ion: 42 Resp: 4095

Ion Ratio Lower Upper

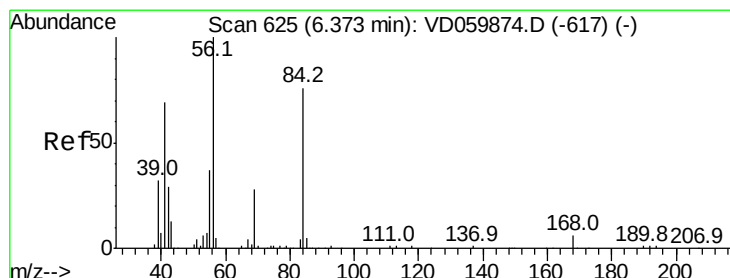
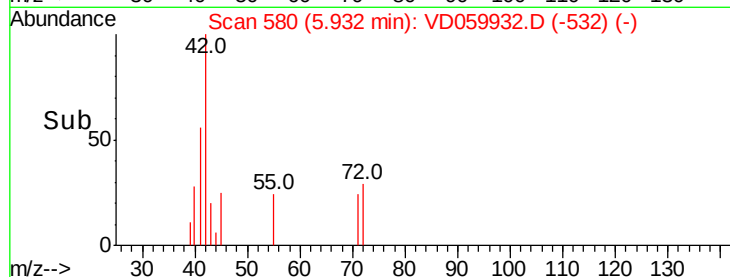
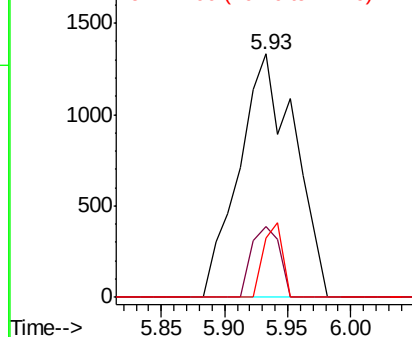
42 100

72 14.6 25.7 38.5#

71 10.6 25.3 37.9#



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



#31

Cyclohexane

Concen: 1.453 ug/l

RT: 6.38 min Scan# 625

Delta R.T. 0.00 min

Lab File: VD059932.D

Acq: 31 Aug 2018 13:31

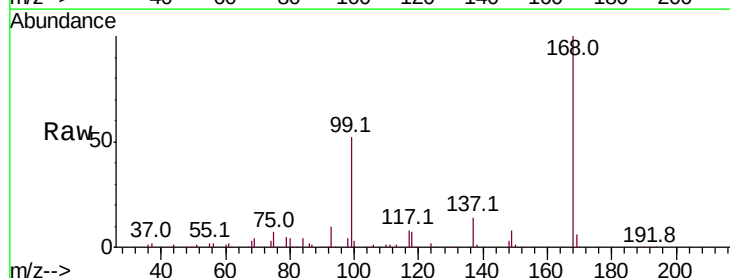
Tgt Ion: 56 Resp: 22153

Ion Ratio Lower Upper

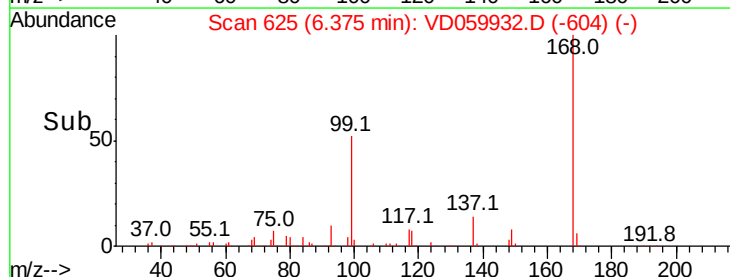
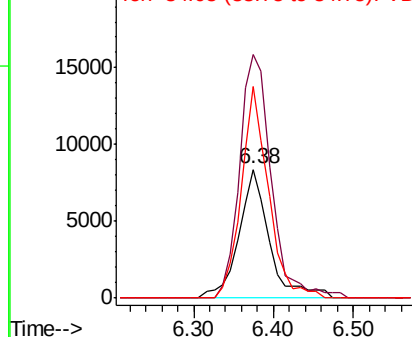
56 100

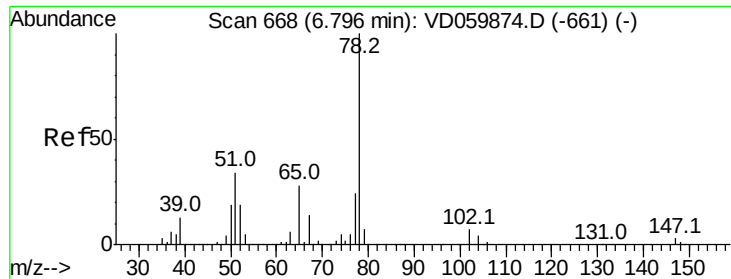
69 189.6 22.4 33.6#

84 164.5 62.1 93.1#



Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.05 (83.75 to 84.75): VDC

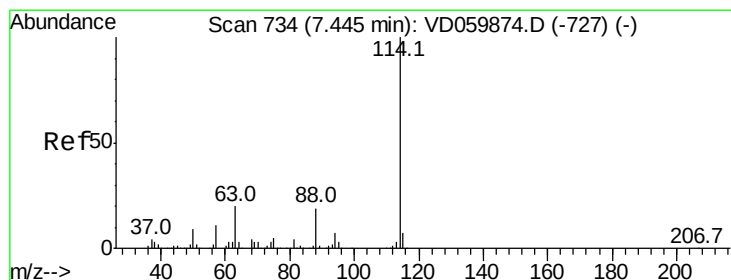
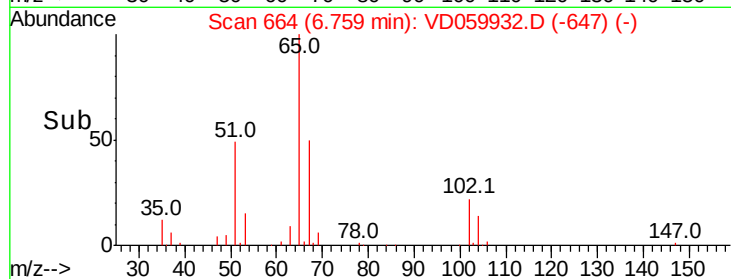
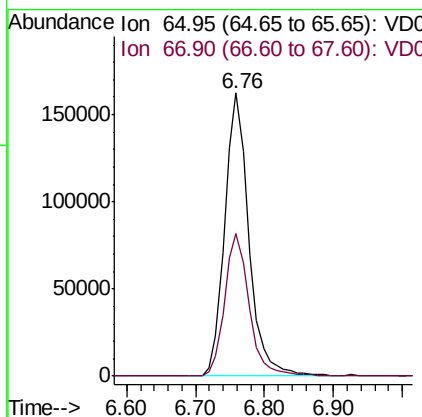
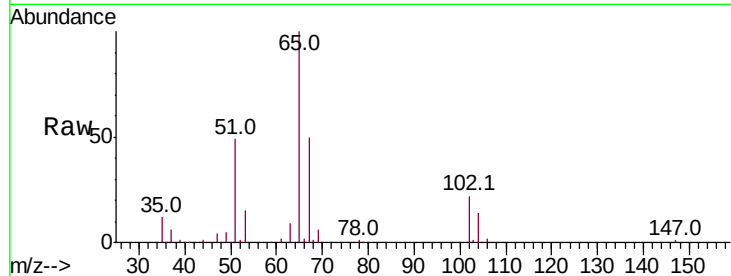




#33
 1,2-Dichloroethane-d4
 Concen: N.D. ug/l
 RT: 6.76 min Scan# 664
 Delta R.T. -0.04 min
 Lab File: VD059932.D
 Acq: 31 Aug 2018 13:31

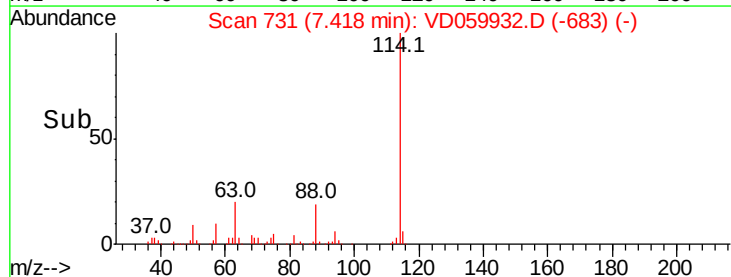
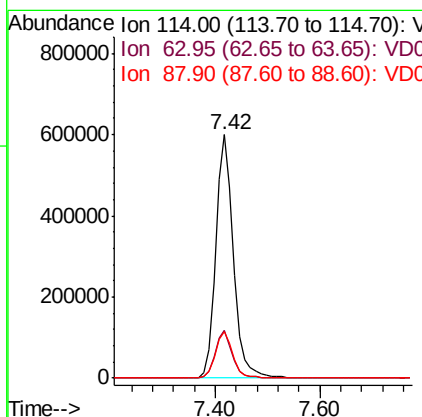
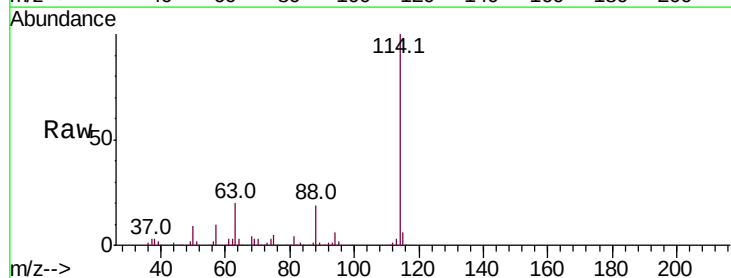
Instrument :
 MSVOA_D
 ClientSampleId :
 RA-082918-ESW-NSC-054RE

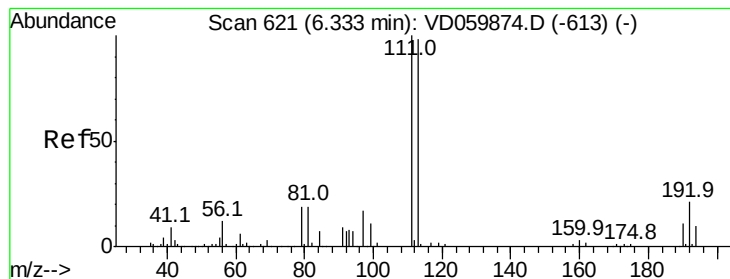
Tot Ion: 65 Resp: 393739
 Ion Ratio Lower Upper
 65 100
 67 50.4 0.0 103.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 7.42 min Scan# 731
 Delta R.T. -0.03 min
 Lab File: VD059932.D
 Acq: 31 Aug 2018 13:31

Tgt Ion: 114 Resp: 1399432
 Ion Ratio Lower Upper
 114 100
 63 19.6 0.0 39.4
 88 19.0 0.0 37.6





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 6.30 min Scan# 617

Delta R.T. -0.04 min

Lab File: VD059932.D

Acq: 31 Aug 2018 13:31

Instrument :

MSVOA_D

ClientSampleId :

RA-082918-ESW-NSC-054RE

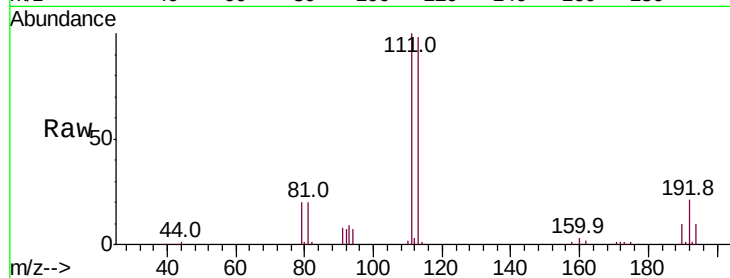
Tot Ion:113 Resp: 470864

Ion Ratio Lower Upper

113 100

111 102.0 81.4 122.2

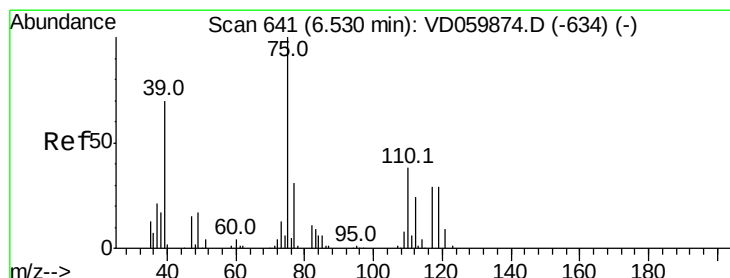
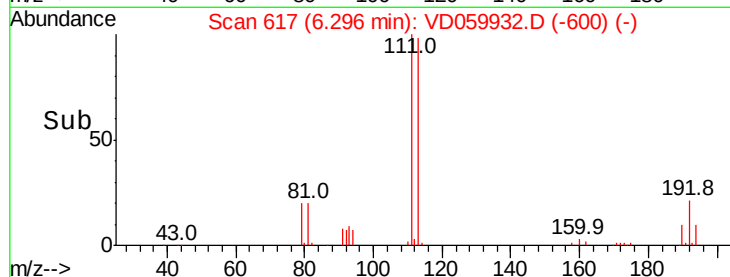
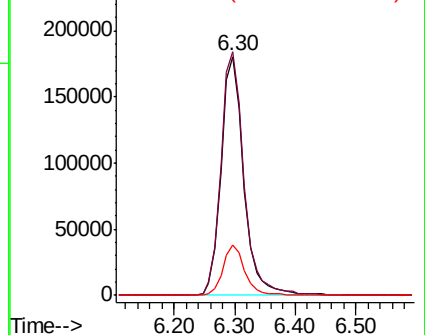
192 21.2 17.0 25.6



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: 5.414 ug/l

RT: 6.38 min Scan# 625

Delta R.T. -0.15 min

Lab File: VD059932.D

Acq: 31 Aug 2018 13:31

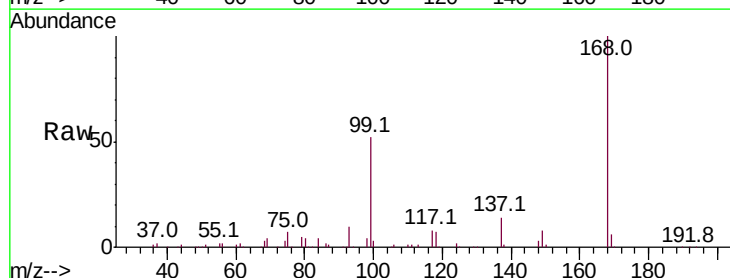
Tgt Ion: 75 Resp: 68684

Ion Ratio Lower Upper

75 100

110 7.9 18.6 56.0#

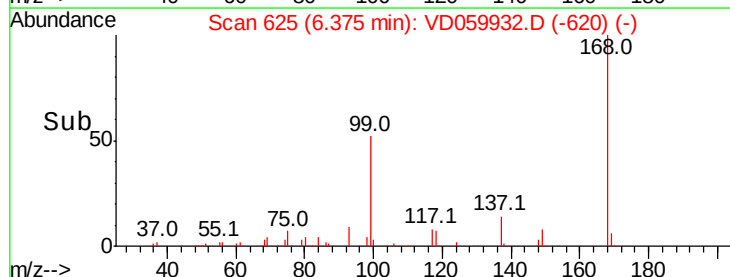
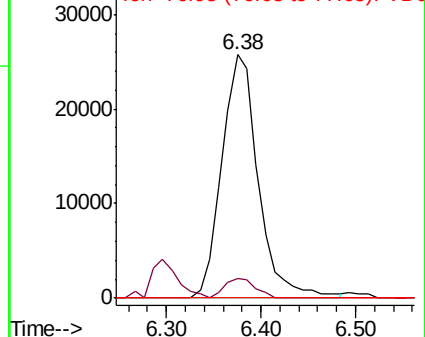
77 0.0 25.1 37.7#

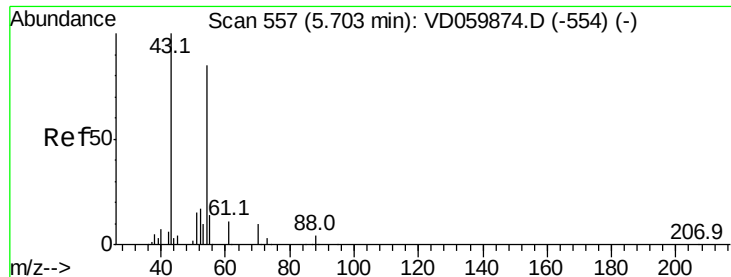


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): V





#37

Ethyl Acetate

Concen: 4.377 ug/l

RT: 5.59 min Scan# 545

Delta R.T. -0.12 min

Lab File: VD059932.D

Acq: 31 Aug 2018 13:31

Instrument :

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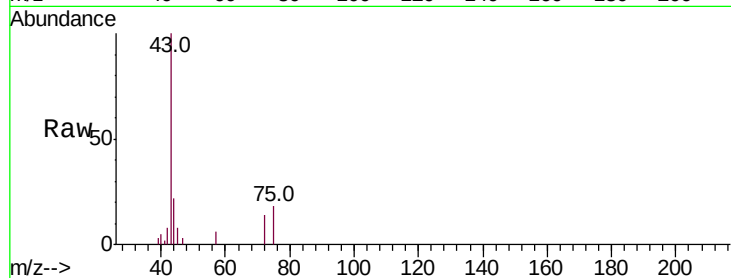
Tot Ion: 43 Resp: 43204

Ion Ratio Lower Upper

43 100

61 0.0 11.0 16.6#

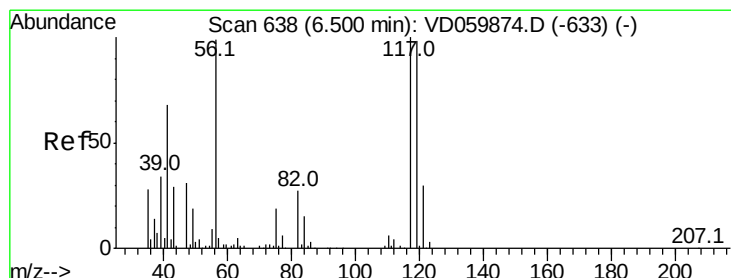
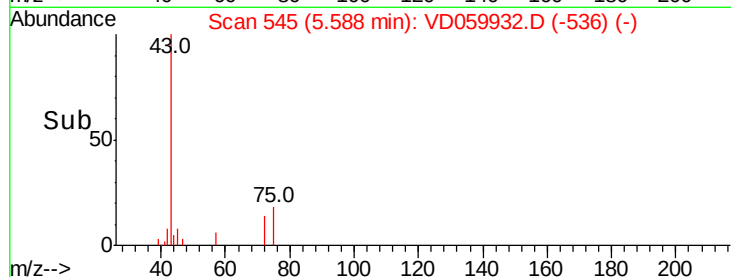
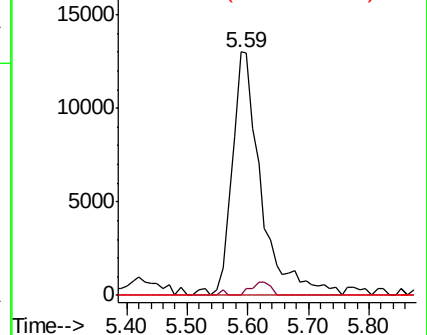
70 0.0 5.7 8.5#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 70.00 (69.70 to 70.70): VDC



#38

Carbon Tetrachloride

Concen: 6.004 ug/l

RT: 6.38 min Scan# 625

Delta R.T. -0.13 min

Lab File: VD059932.D

Acq: 31 Aug 2018 13:31

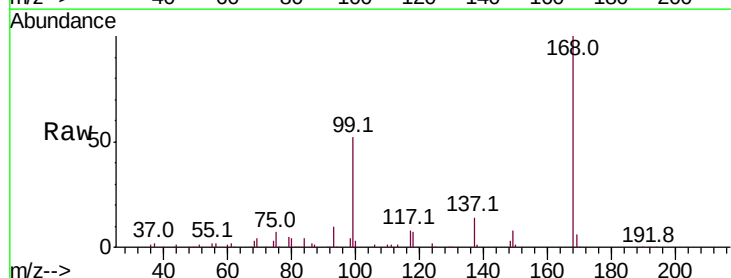
Tgt Ion: 117 Resp: 76870

Ion Ratio Lower Upper

117 100

119 5.4 77.2 115.8#

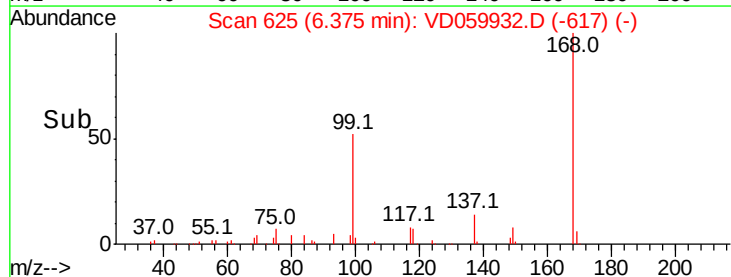
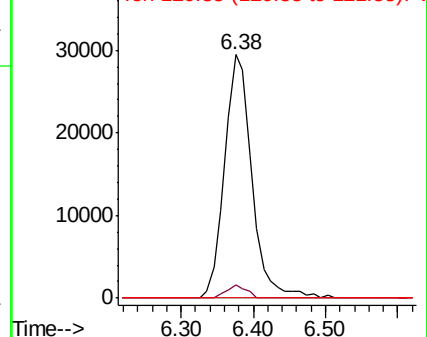
121 0.0 24.0 36.0#

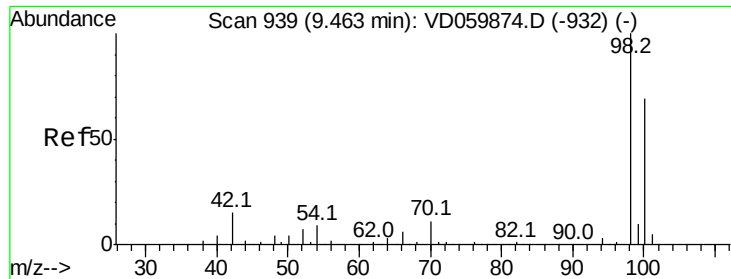


Abundance Ion 116.85 (116.55 to 117.55): V

Ion 118.85 (118.55 to 119.55): V

Ion 120.85 (120.55 to 121.55): V

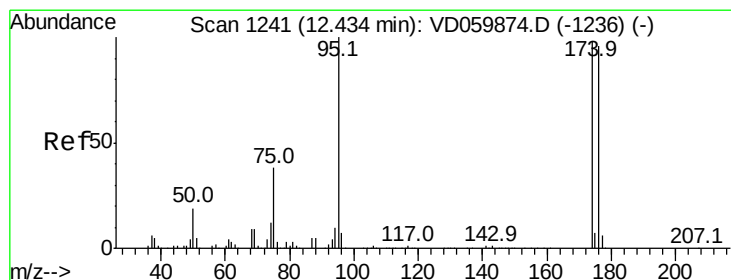
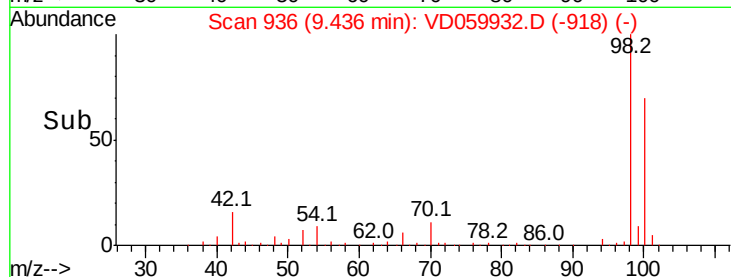
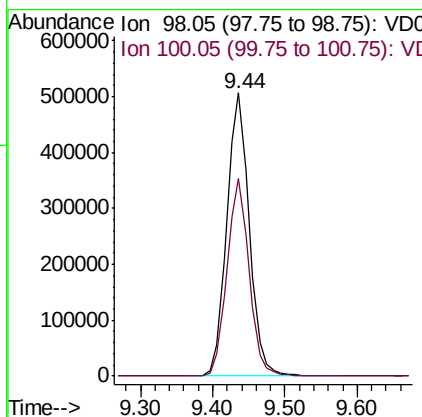
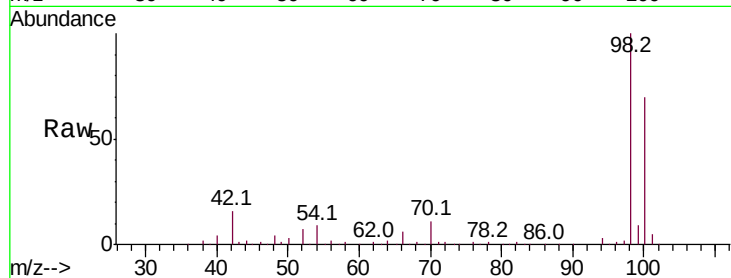




#50
Toluene-d8
Concen: N.D. ug/l
RT: 9.44 min Scan# 936
Delta R.T. -0.03 min
Lab File: VD059932.D
Acq: 31 Aug 2018 13:31

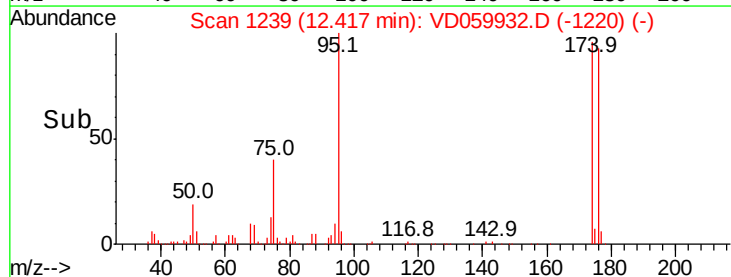
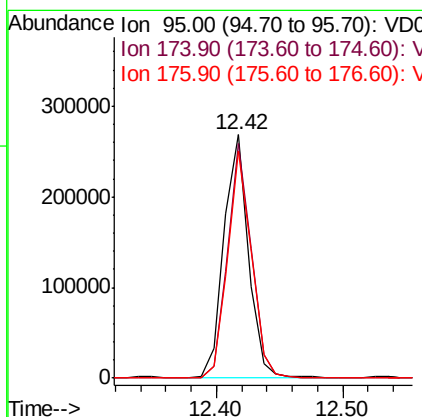
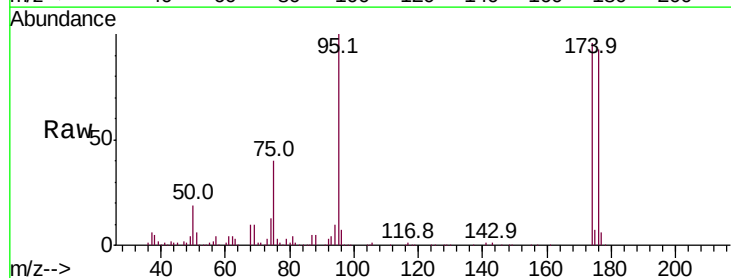
Instrument :
MSVOA_D
ClientSampleId :
RA-082918-ESW-NSC-054RE

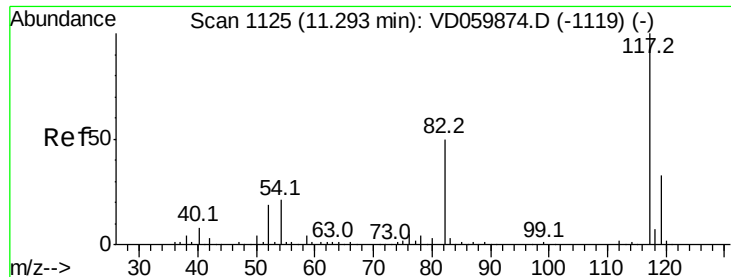
Tot Ion: 98 Resp: 1096410
Ion Ratio Lower Upper
98 100
100 69.8 55.8 83.6



#62
4-Bromofluorobenzene
Concen: N.D. ug/l
RT: 12.42 min Scan# 1239
Delta R.T. -0.02 min
Lab File: VD059932.D
Acq: 31 Aug 2018 13:31

Tgt Ion: 95 Resp: 361189
Ion Ratio Lower Upper
95 100
174 96.4 0.0 195.6
176 93.0 0.0 191.2

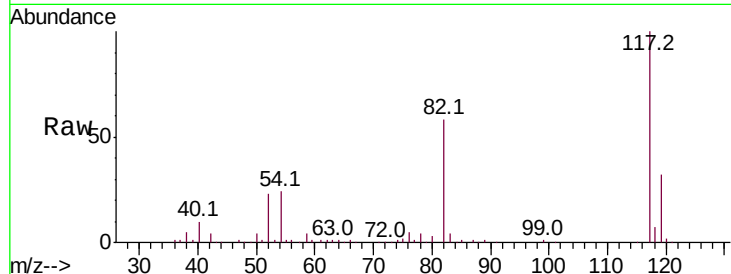




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.27 min Scan# 1122
Delta R.T. -0.03 min
Lab File: VD059932.D
Acq: 31 Aug 2018 13:31

Instrument :
MSVOA_D
ClientSampleId :
RA-082918-ESW-NSC-054RE

Tot Ion	Ratio	Lower	Upper
117	100		
82	58.3	40.1	60.1
119	32.3	26.7	40.1

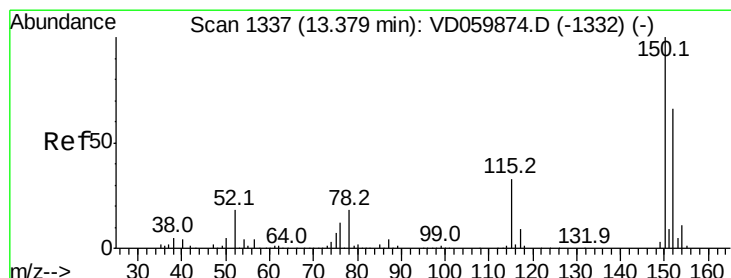
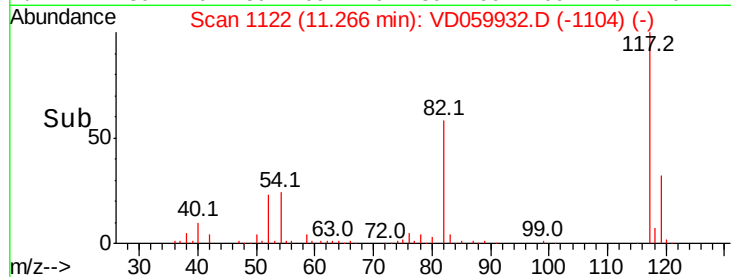
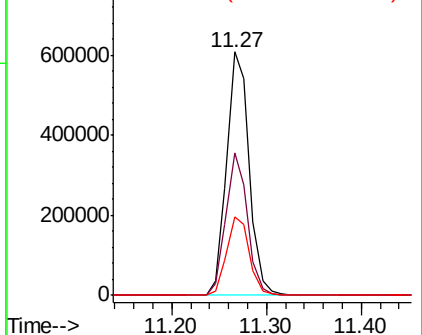


Abundance

Ion 116.95 (116.65 to 117.65): V

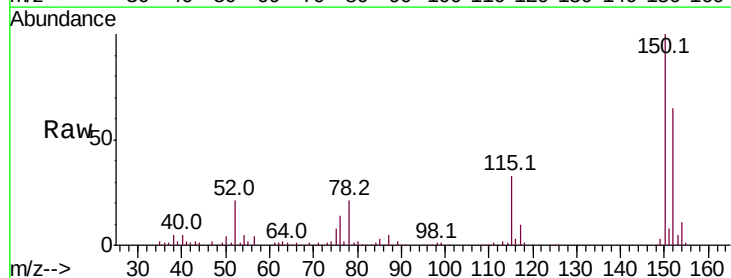
Ion 82.05 (81.75 to 82.75): V

Ion 118.95 (118.65 to 119.65): V



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.36 min Scan# 1335
Delta R.T. -0.02 min
Lab File: VD059932.D
Acq: 31 Aug 2018 13:31

Tgt Ion	Ratio	Lower	Upper
152	100		
115	50.8	25.7	77.0
150	153.0	0.0	310.2

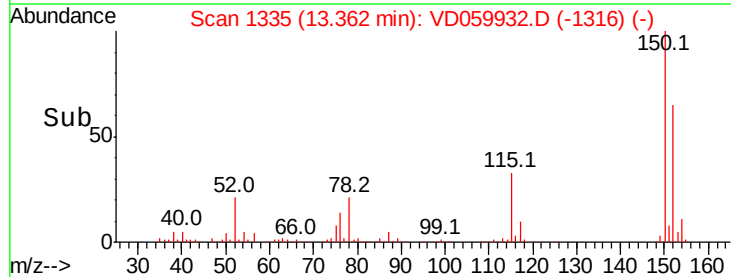
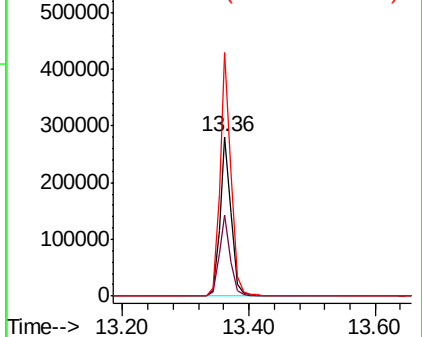


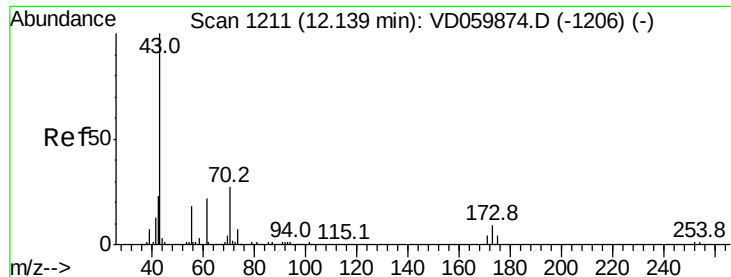
Abundance

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





#74

N-amyl acetate

Concen: 4.207 ug/l

RT: 12.19 min Scan# 1216

Delta R.T. 0.05 min

Lab File: VD059932.D

Acq: 31 Aug 2018 13:31

Instrument :

MSVOA_D

ClientSampleId :

RA-082918-ESW-NSC-054RE

Tot Ion: 43 Resp: 41006

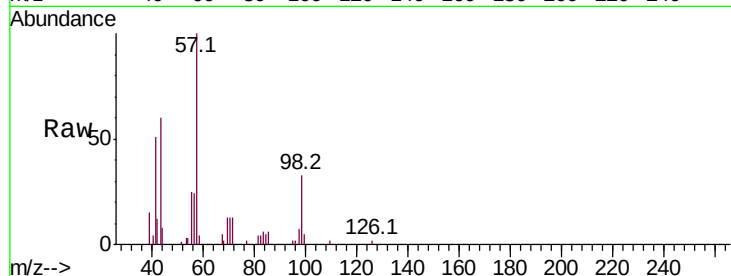
Ion Ratio Lower Upper

43 100

70 22.1 21.4 32.2

55 42.4 14.1 21.1#

61 0.0 17.8 26.8#

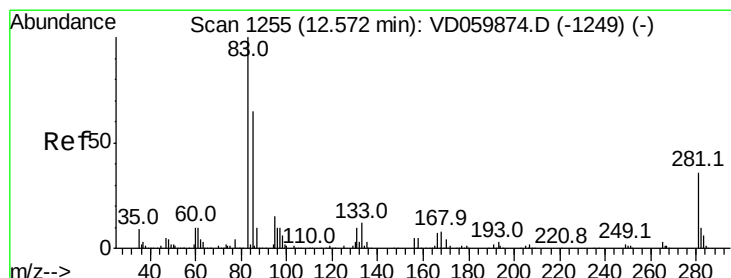
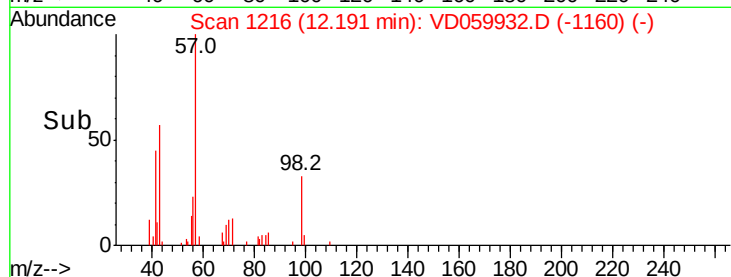
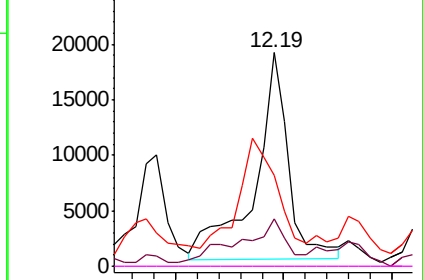


Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 60.95 (60.65 to 61.65): VDC



#75

1,1,2,2-Tetrachloroethane

Concen: 1.939 ug/l

RT: 12.57 min Scan# 1255

Delta R.T. 0.00 min

Lab File: VD059932.D

Acq: 31 Aug 2018 13:31

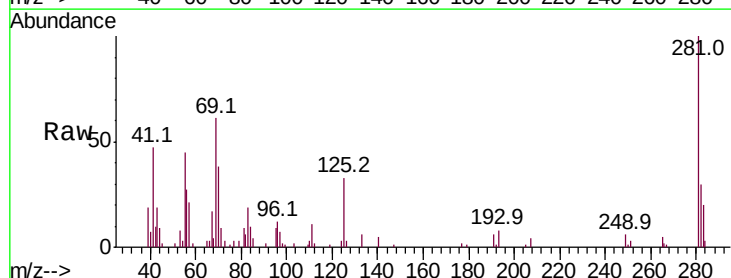
Tgt Ion: 83 Resp: 9982

Ion Ratio Lower Upper

83 100

131 0.0 4.8 14.4#

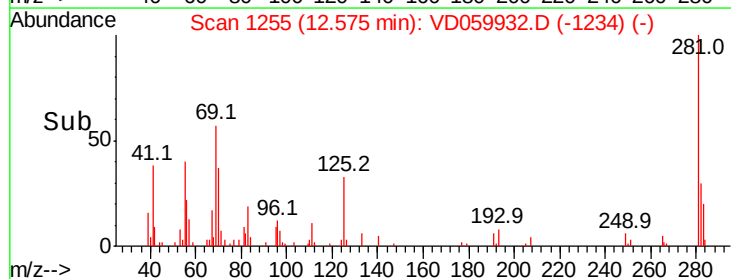
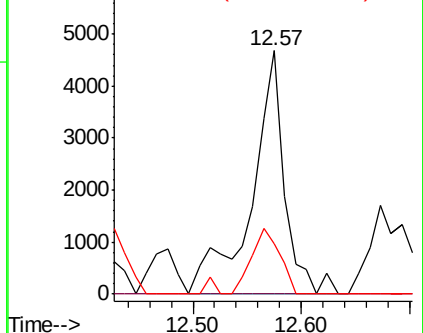
85 20.7 32.6 97.8#

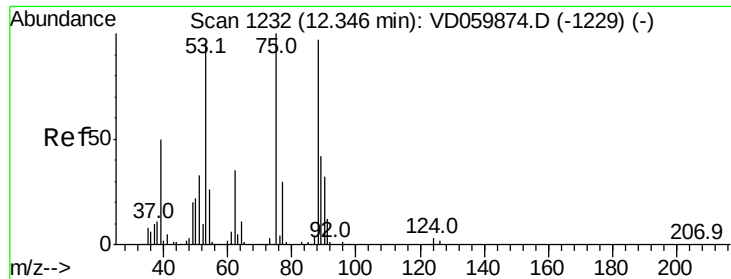


Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 130.90 (130.60 to 131.60): V

Ion 84.95 (84.65 to 85.65): VDC





#81

trans-1,4-Dichloro-2-butene

Concen: 88.499 ug/l

RT: 12.42 min Scan# 1239

Delta R.T. 0.07 min

Lab File: VD059932.D

Acq: 31 Aug 2018 13:31

Instrument :

MSVOA_D

ClientSampleId :

RA-082918-ESW-NSC-054RE

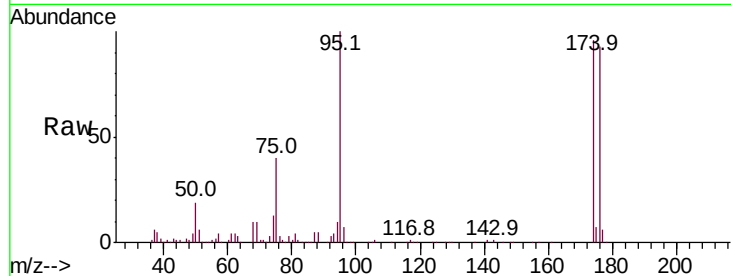
Tot Ion: 75 Resp: 149207

Ion Ratio Lower Upper

75 100

53 0.4 75.8 113.6#

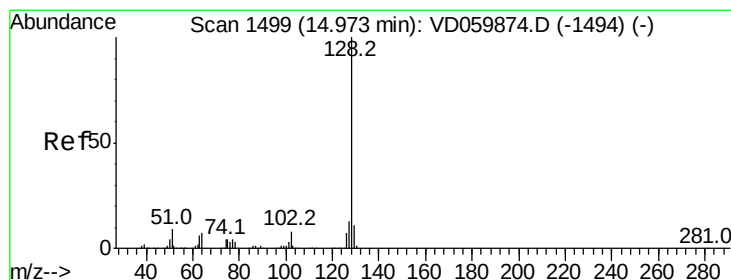
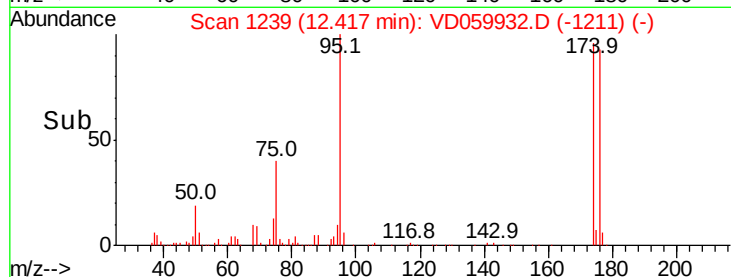
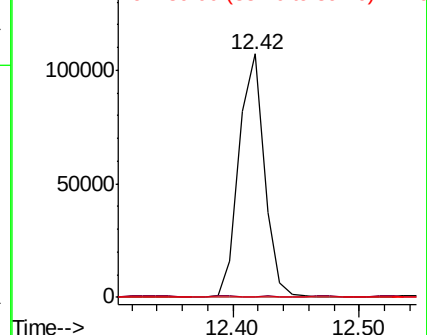
89 0.0 33.6 50.4#



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



#95

Naphthalene

Concen: 1.013 ug/l

RT: 14.96 min Scan# 1497

Delta R.T. -0.02 min

Lab File: VD059932.D

Acq: 31 Aug 2018 13:31

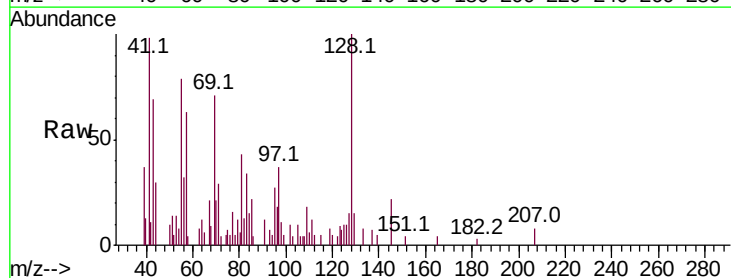
Tgt Ion:128 Resp: 12416

Ion Ratio Lower Upper

128 100

127 15.4 10.0 15.0#

129 14.8 8.6 13.0#



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

