

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD082318\
 Data File : VD059886.D
 Acq On : 23 Aug 2018 14:14
 Operator : JC/SY
 Sample : J4535-05RE
 Misc : 5.00µl/5ml/MSVOA D/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 RA-081618-ESW-15-037RE

Quant Time: Aug 23 14:43:01 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	6.39	168	747062	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	7.43	114	929522	50.00	ug/l	-0.02
63) Chlorobenzene-d5	11.28	117	544622	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	13.37	152	147333	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.77	65	348722	55.38	ug/l	-0.03
Spiked Amount			Recovery	=	110.76%	
35) Dibromofluoromethane	6.31	113	442952	60.78	ug/l	-0.03
Spiked Amount			Recovery	=	121.56%	
50) Toluene-d8	9.45	98	1091338	53.96	ug/l	-0.02
Spiked Amount			Recovery	=	107.92%	
62) 4-Bromofluorobenzene	12.42	95	254325	30.96	ug/l	-0.02
Spiked Amount			Recovery	=	61.92%	

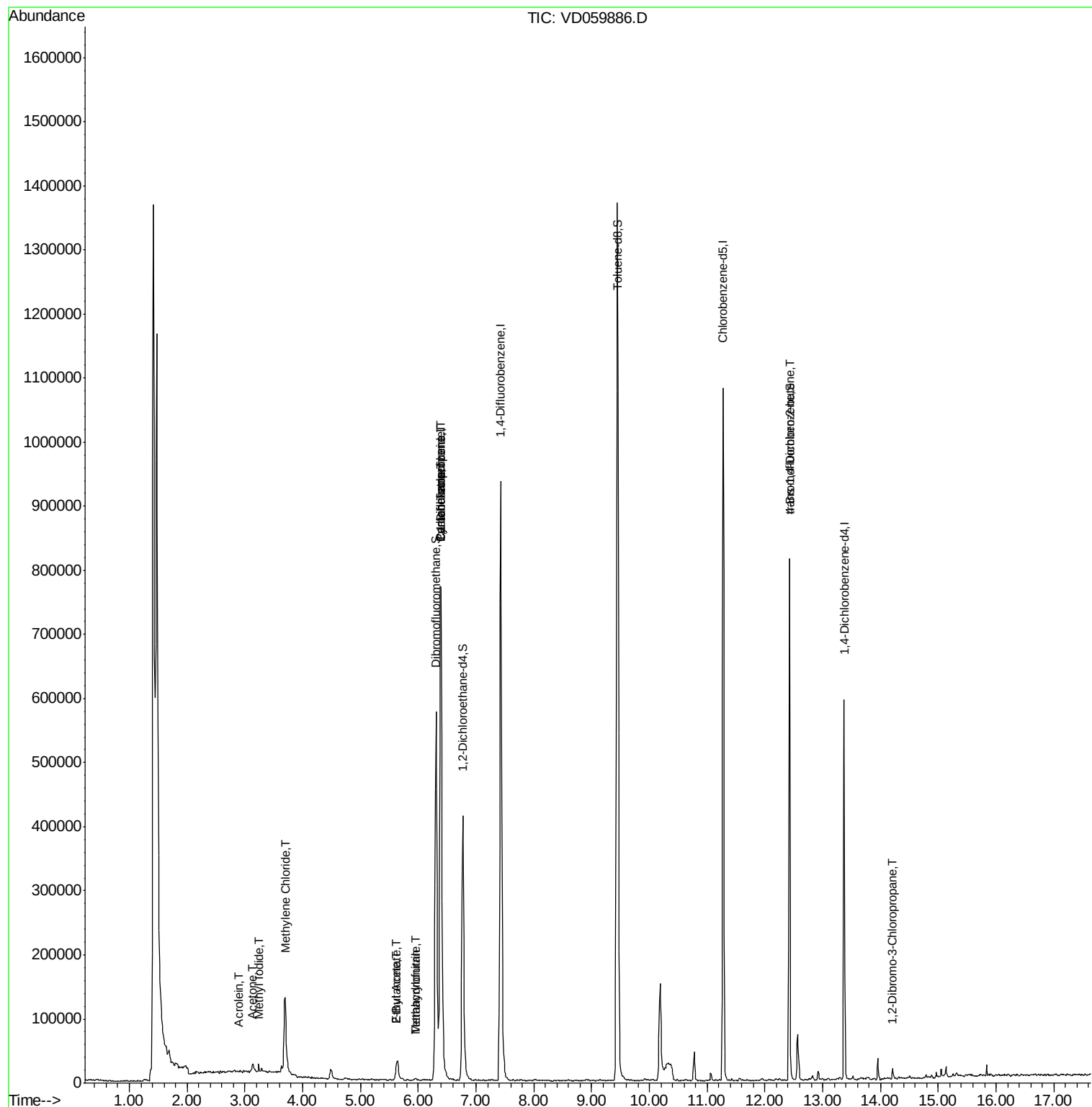
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Methyl Iodide	3.23	142	197	3.517	ug/l #	31
13) Acrolein	2.88	56	1580	7.582	ug/l #	1
16) Acetone	3.14	43	24660	21.496	ug/l	95
20) Methylene Chloride	3.69	84	71332	6.044	ug/l	96
25) 2-Butanone	5.61	43	14748	4.341	ug/l #	92
29) Tetrahydrofuran	5.95	42	3654	2.259	ug/l #	47
31) Cyclohexane	6.38	56	16472	1.374	ug/l #	1
36) 1,1-Dichloropropene	6.38	75	55823	6.625	ug/l #	47
37) Ethyl Acetate	5.61	43	14748	2.249	ug/l #	71
38) Carbon Tetrachloride	6.39	117	61654	7.250	ug/l #	15
41) Methacrylonitrile	5.94	41	3551	1.075	ug/l #	79
81) trans-1,4-Dichloro-2-buten	12.42	75	109978	154.398	ug/l #	12
89) n-Butylbenzene	13.64	91	757	Below Cal	#	29
92) 1,2-Dibromo-3-Chloropropan	14.21	75	984	2.942	ug/l #	1

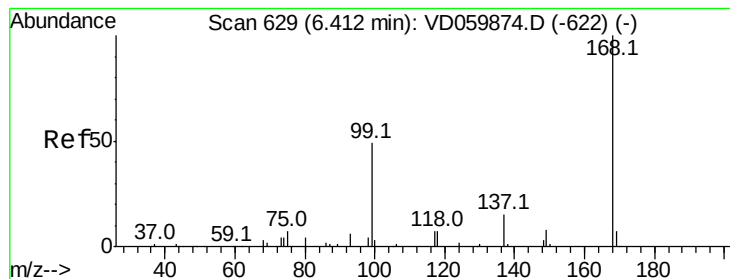
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 6.39 min Scan# 627

Delta R.T. -0.02 min

Lab File: VD059886.D

Acq: 23 Aug 2018 14:14

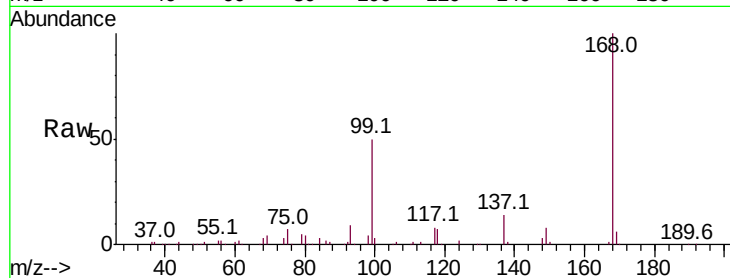
Instrument :
MSVOA_D
ClientSampleId :
RA-081618-ESW-15-037RE

Tot Ion:168 Resp: 747062

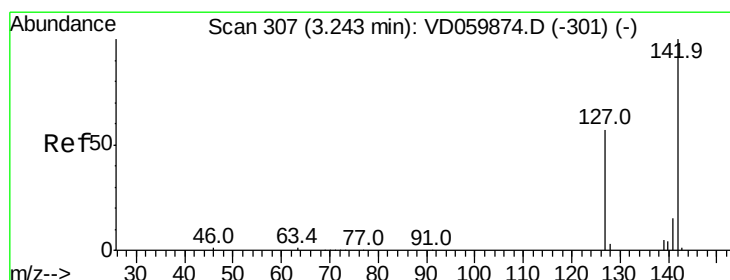
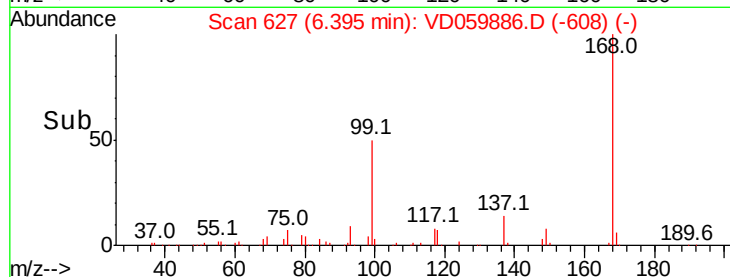
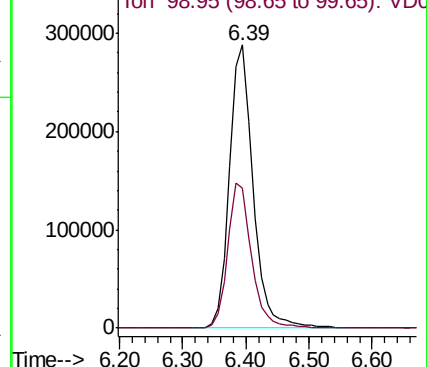
Ion Ratio Lower Upper

168 100

99 49.6 42.2 63.2



Abundance Ion 167.90 (167.60 to 168.60): V



#10

Methyl Iodide

Concen: 3.517 ug/l

RT: 3.23 min Scan# 305

Delta R.T. -0.02 min

Lab File: VD059886.D

Acq: 23 Aug 2018 14:14

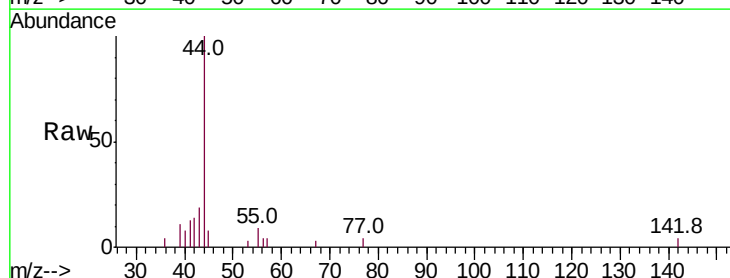
Tgt Ion:142 Resp: 197

Ion Ratio Lower Upper

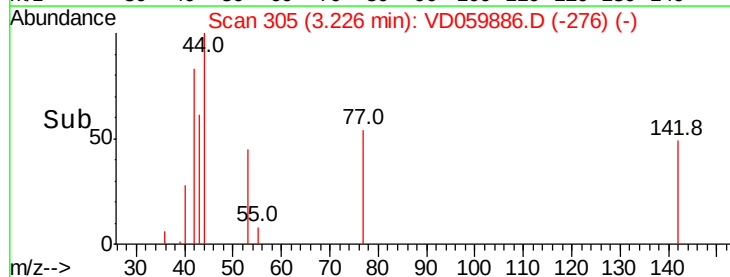
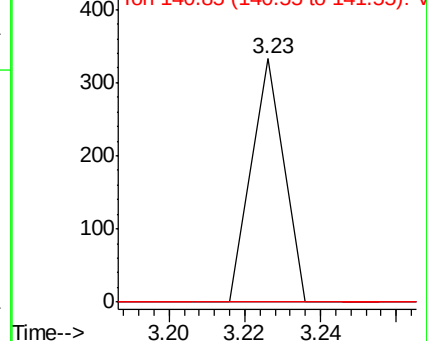
142 100

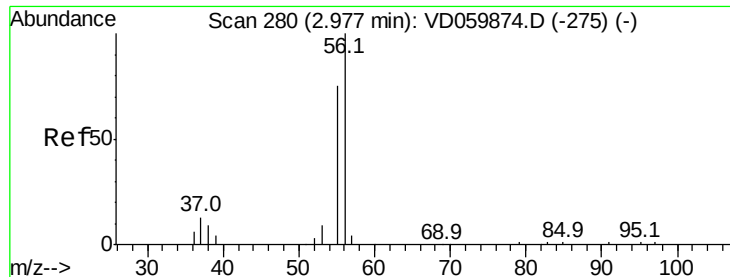
127 0.0 45.8 68.6#

141 0.0 11.6 17.4#



Abundance Ion 141.85 (141.55 to 142.55): V





#13

Acrolein

Concen: 7.582 ug/l

RT: 2.88 min Scan# 270

Delta R.T. -0.10 min

Lab File: VD059886.D

Acq: 23 Aug 2018 14:14

Instrument :

MSVOA_D

ClientSampleId :

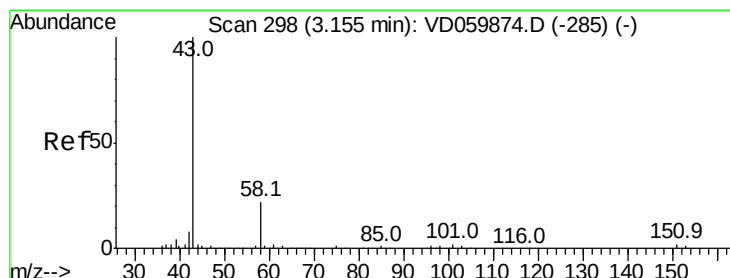
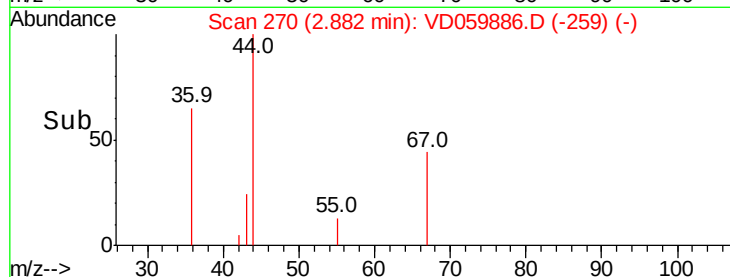
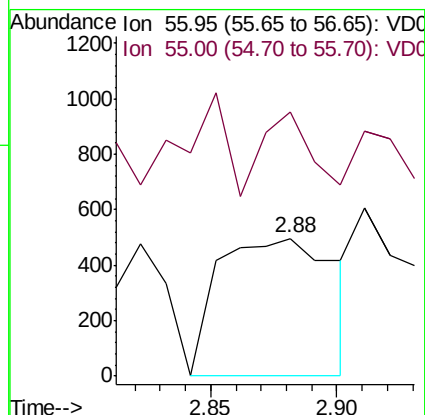
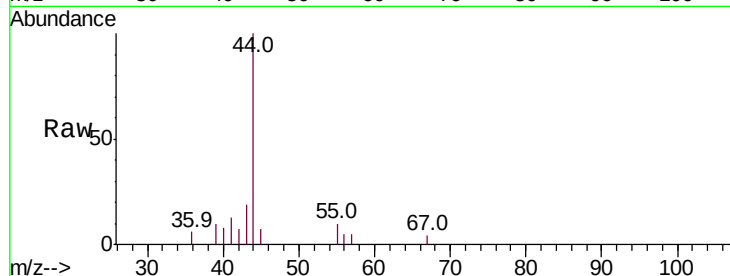
RA-081618-ESW-15-037RE

Tot Ion: 56 Resp: 1580

Ion Ratio Lower Upper

56 100

55 192.1 61.9 92.9#



#16

Acetone

Concen: 21.496 ug/l

RT: 3.14 min Scan# 296

Delta R.T. -0.02 min

Lab File: VD059886.D

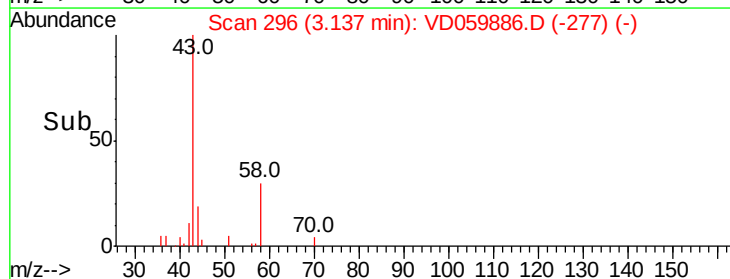
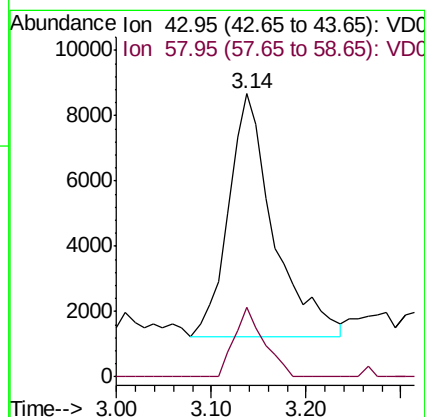
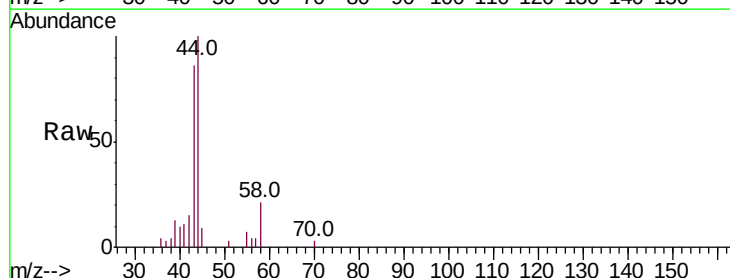
Acq: 23 Aug 2018 14:14

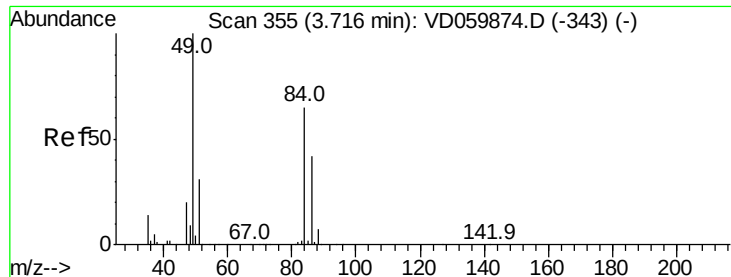
Tgt Ion: 43 Resp: 24660

Ion Ratio Lower Upper

43 100

58 24.6 17.6 26.4





#20

Methylene Chloride

Concen: 6.044 ug/l

RT: 3.69 min Scan# 352

Delta R.T. -0.03 min

Lab File: VD059886.D

Acq: 23 Aug 2018 14:14

Instrument :

MSVOA_D

ClientSampleId :

RA-081618-ESW-15-037RE

Tot Ion: 84 Resp: 71332

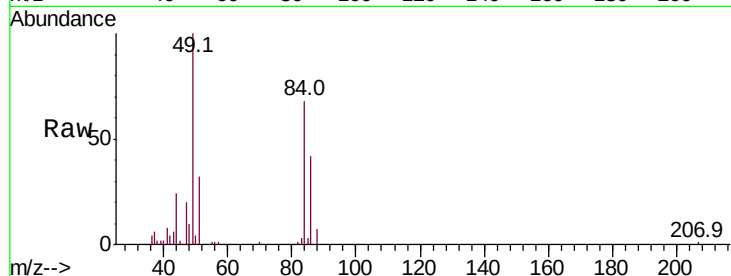
Ion Ratio Lower Upper

84 100

49 147.3 122.6 183.8

51 47.2 38.4 57.6

86 61.7 51.5 77.3

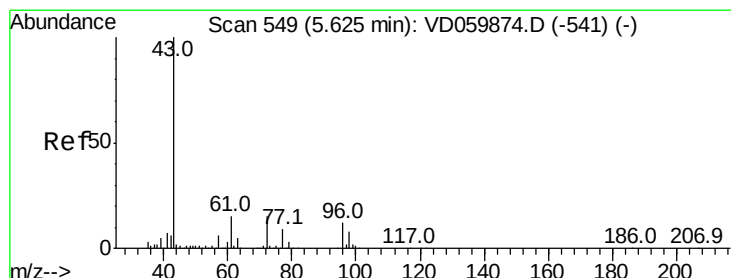
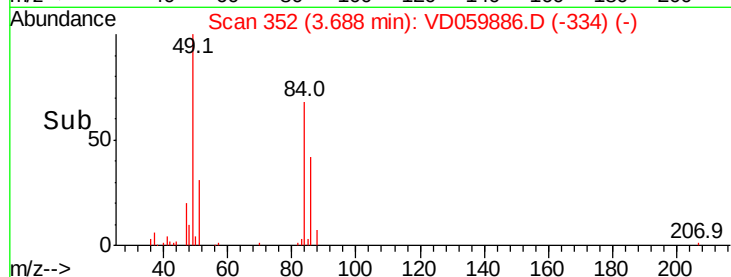
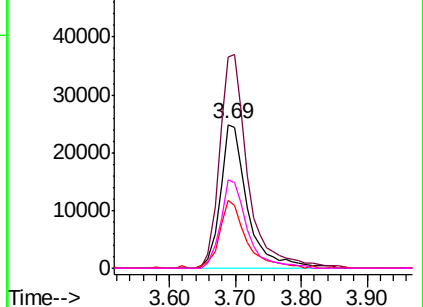


Abundance Ion 83.95 (83.65 to 84.65): VDC

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: 4.341 ug/l

RT: 5.61 min Scan# 547

Delta R.T. -0.02 min

Lab File: VD059886.D

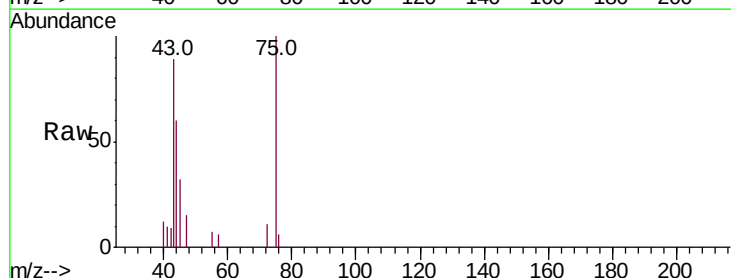
Acq: 23 Aug 2018 14:14

Tgt Ion: 43 Resp: 14748

Ion Ratio Lower Upper

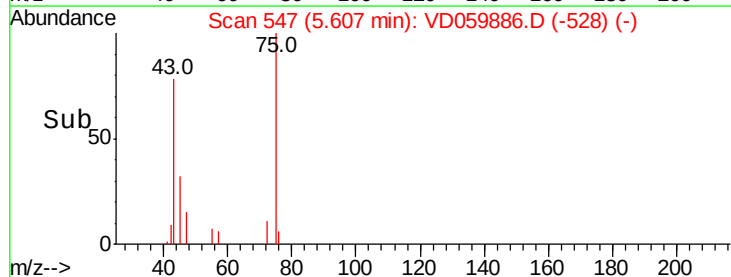
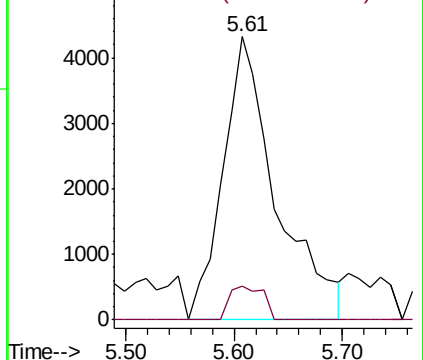
43 100

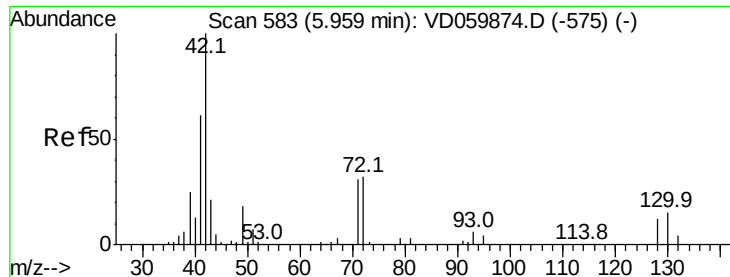
72 12.1 12.3 18.5#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC





#29

Tetrahydrofuran

Concen: 2.259 ug/l

RT: 5.95 min Scan# 582

Delta R.T. -0.01 min

Lab File: VD059886.D

Acq: 23 Aug 2018 14:14

Instrument :

MSVOA_D

ClientSampleId :

RA-081618-ESW-15-037RE

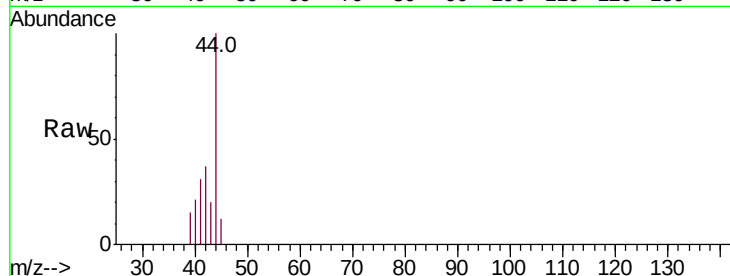
Tot Ion: 42 Resp: 3654

Ion Ratio Lower Upper

42 100

72 0.0 25.7 38.5#

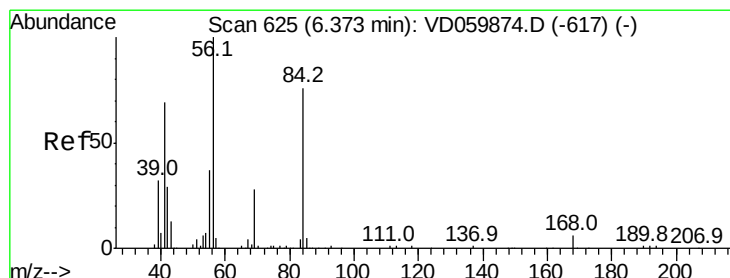
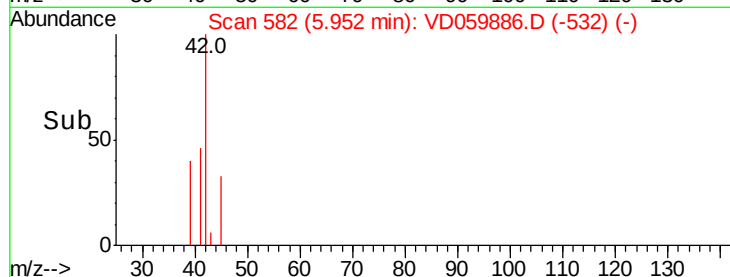
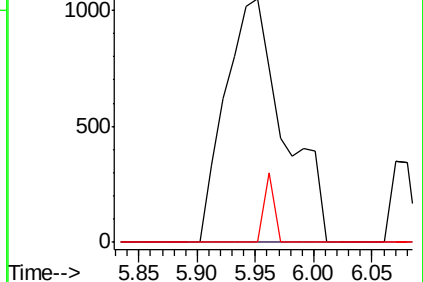
71 4.8 25.3 37.9#



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: 1.374 ug/l

RT: 6.38 min Scan# 626

Delta R.T. 0.01 min

Lab File: VD059886.D

Acq: 23 Aug 2018 14:14

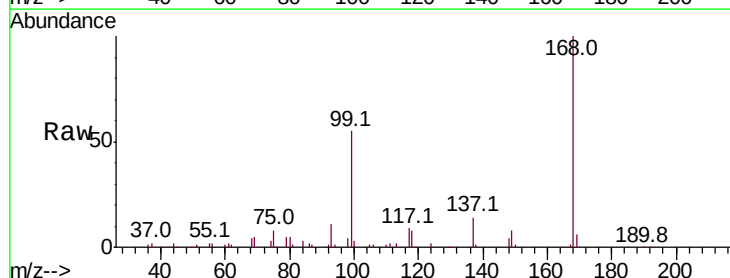
Tgt Ion: 56 Resp: 16472

Ion Ratio Lower Upper

56 100

69 218.8 22.4 33.6#

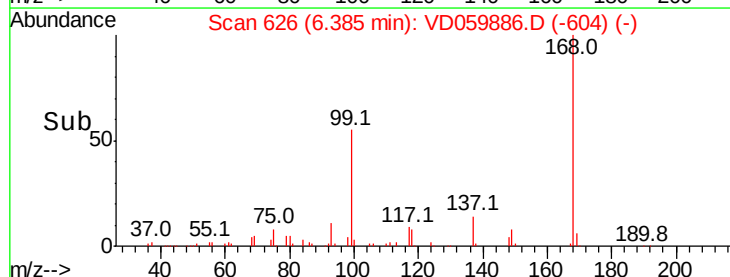
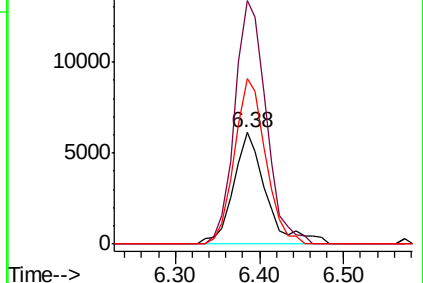
84 148.7 62.1 93.1#

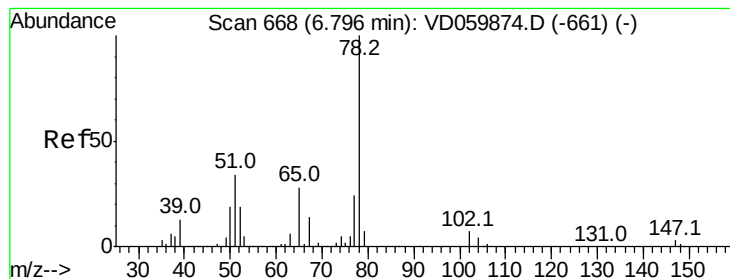


Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 69.00 (68.70 to 69.70): VDC

Ion 84.05 (83.75 to 84.75): VDC





#33

1,2-Dichloroethane-d4

Concen: Below ug/l

RT: 6.77 min Scan# 665

Delta R.T. -0.03 min

Lab File: VD059886.D

Acq: 23 Aug 2018 14:14

Instrument :

MSVOA_D

ClientSampleId :

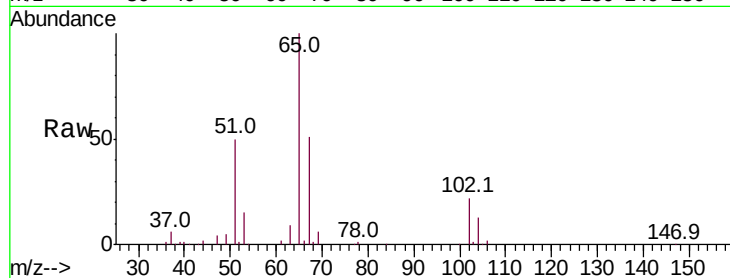
RA-081618-ESW-15-037RE

Tot Ion: 65 Resp: 348722

Ion Ratio Lower Upper

65 100

67 50.6 0.0 103.8



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC

6.77

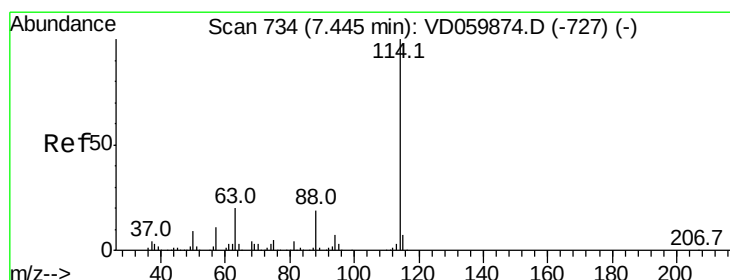
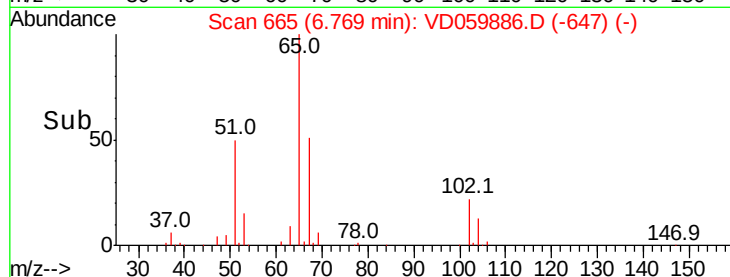
150000

100000

50000

0

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 7.43 min Scan# 732

Delta R.T. -0.02 min

Lab File: VD059886.D

Acq: 23 Aug 2018 14:14

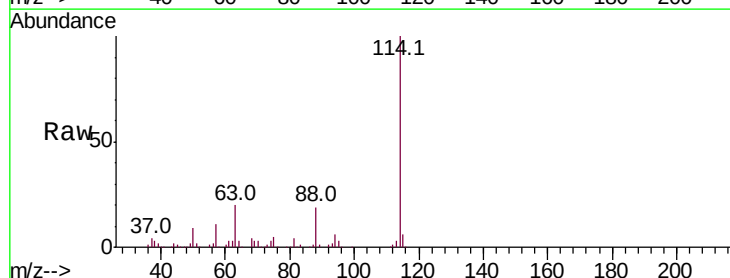
Tgt Ion:114 Resp: 929522

Ion Ratio Lower Upper

114 100

63 19.6 0.0 39.4

88 19.1 0.0 37.6



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

7.43

500000

400000

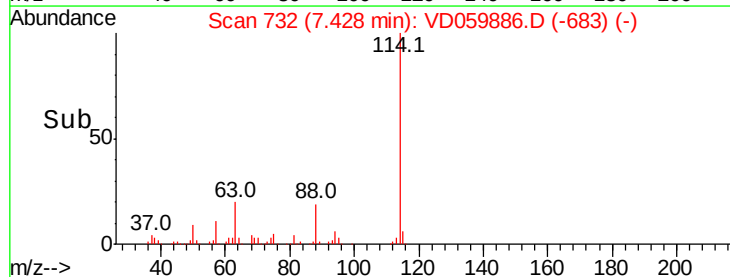
300000

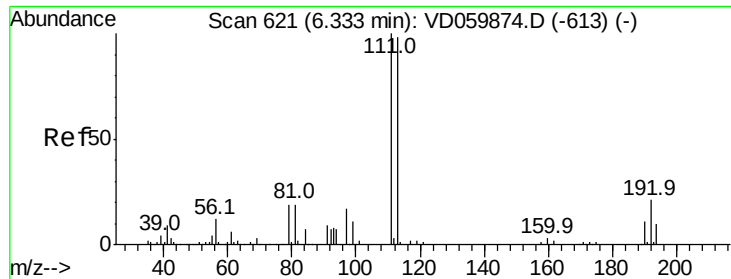
200000

100000

0

Time-->

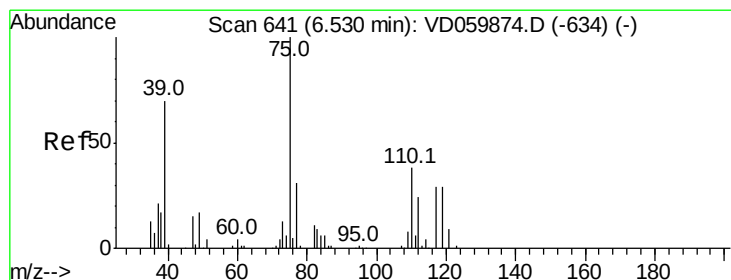
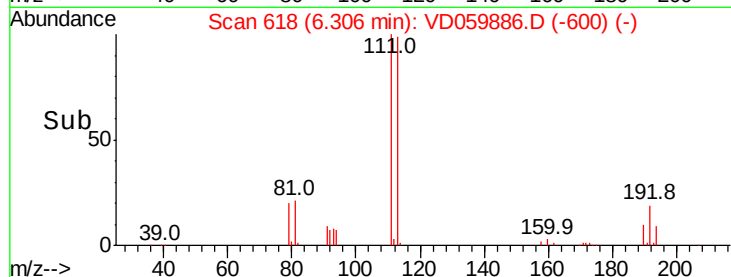
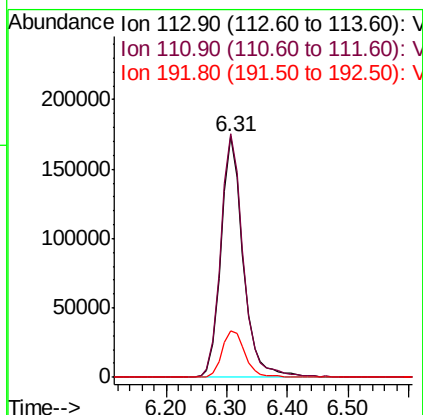
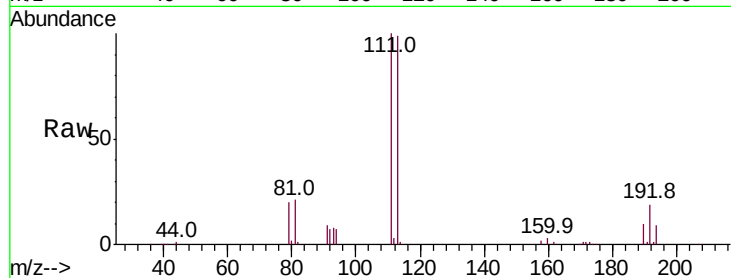




#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 6.31 min Scan# 618
 Delta R.T. -0.03 min
 Lab File: VD059886.D
 Acq: 23 Aug 2018 14:14

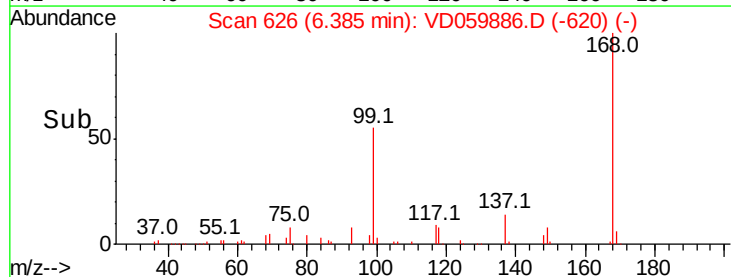
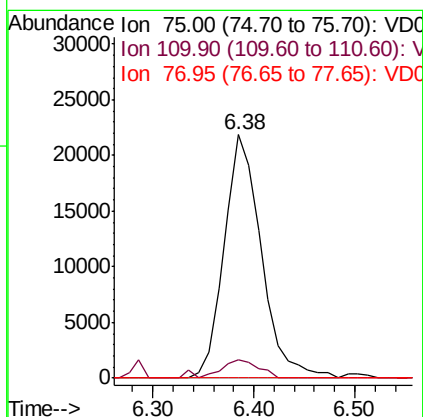
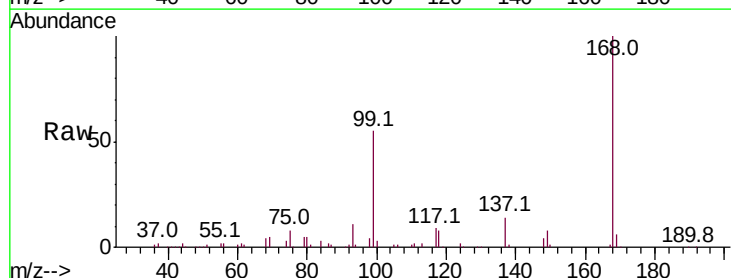
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 RA-081618-ESW-15-037RE

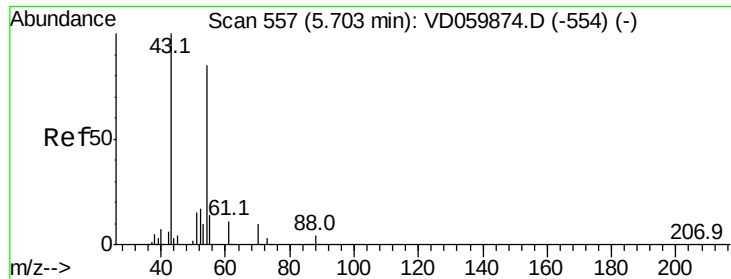
Tot Ion	Ratio	Lower	Upper
113	100		
111	101.1	81.4	122.2
192	19.4	17.0	25.6



#36
 1,1-Dichloropropene
 Concen: 6.625 ug/l
 RT: 6.38 min Scan# 626
 Delta R.T. -0.15 min
 Lab File: VD059886.D
 Acq: 23 Aug 2018 14:14

Tgt Ion	Ratio	Lower	Upper
75	100		
110	7.4	18.6	56.0#
77	0.0	25.1	37.7#





#37

Ethyl Acetate

Concen: 2.249 ug/l

RT: 5.61 min Scan# 547

Delta R.T. -0.10 min

Lab File: VD059886.D

Acq: 23 Aug 2018 14:14

Instrument :

MSVOA_D

ClientSampleId :

RA-081618-ESW-15-037RE

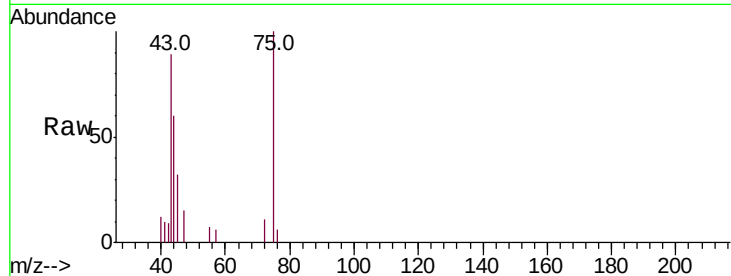
Tot Ion: 43 Resp: 14748

Ion Ratio Lower Upper

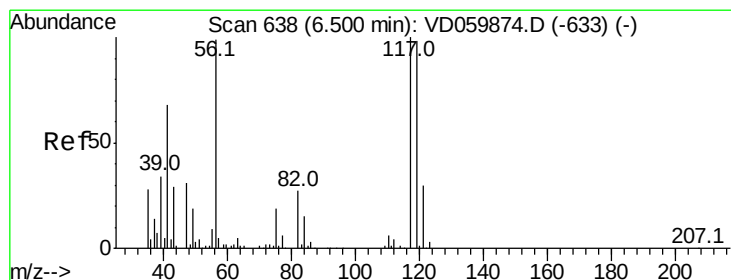
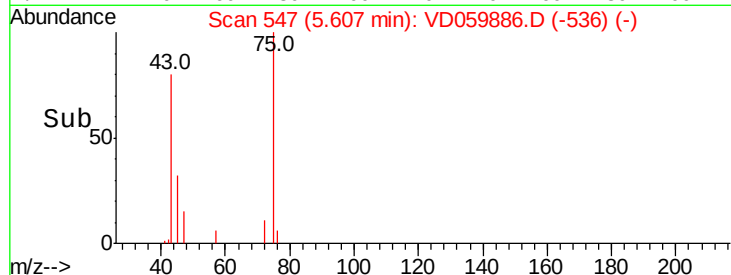
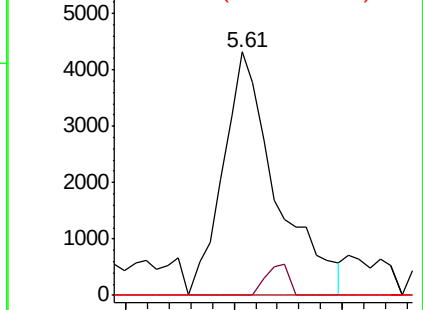
43 100

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: 7.250 ug/l

RT: 6.39 min Scan# 627

Delta R.T. -0.11 min

Lab File: VD059886.D

Acq: 23 Aug 2018 14:14

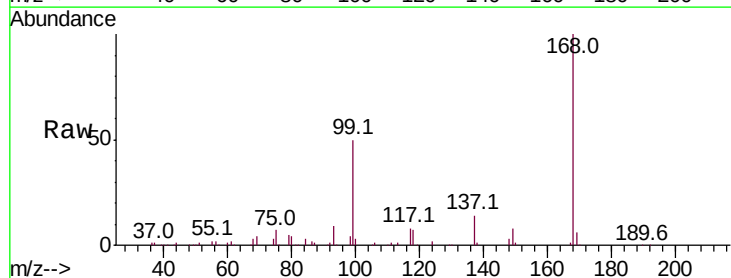
Tgt Ion: 117 Resp: 61654

Ion Ratio Lower Upper

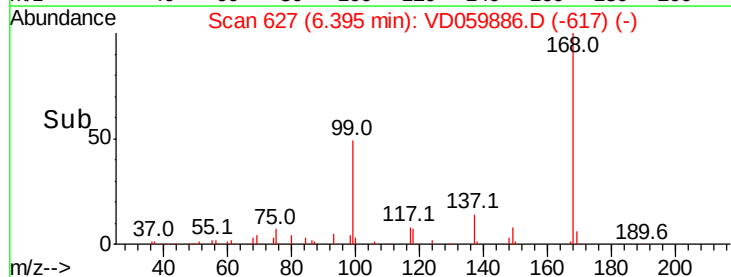
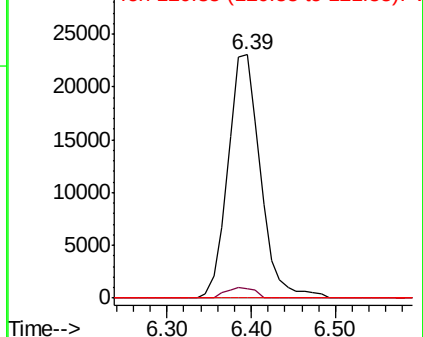
117 100

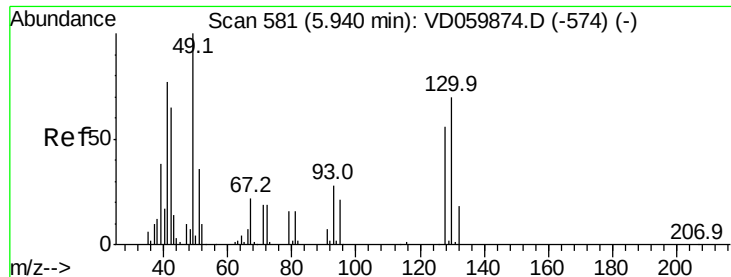
119 3.7 77.2 115.8#

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





#41

Methacrylonitrile

Concen: 1.075 ug/l

RT: 5.94 min Scan# 581

Delta R.T. 0.00 min

Lab File: VD059886.D

Acq: 23 Aug 2018 14:14

Instrument :

MSVOA_D

ClientSampleId :

RA-081618-ESW-15-037RE

Tot Ion: 41 Resp: 3551

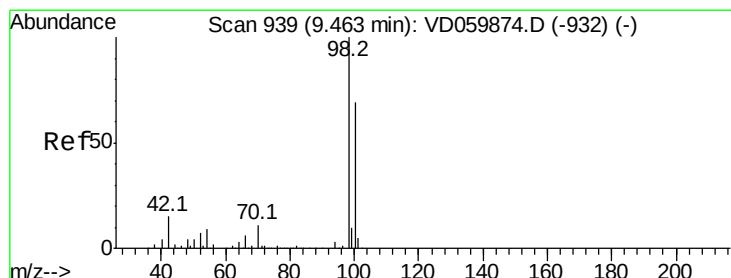
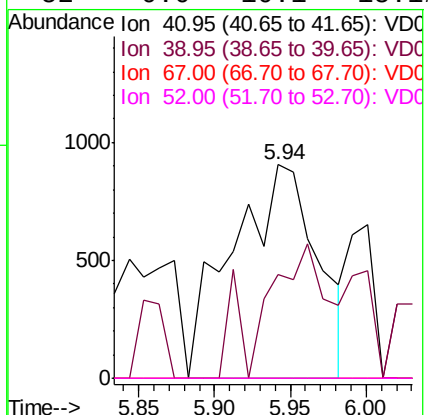
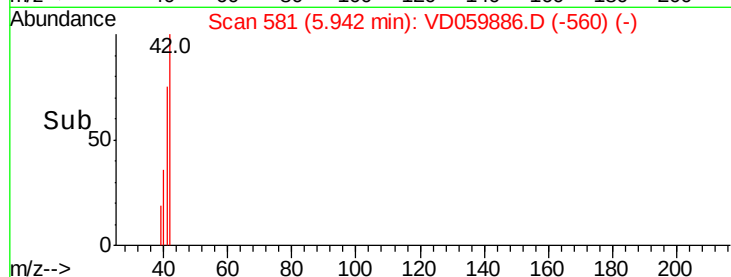
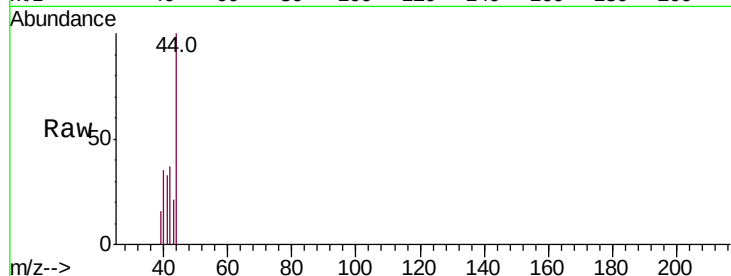
Ion Ratio Lower Upper

41 100

39 48.7 39.4 59.2

67 0.0 22.2 33.2#

52 0.0 10.1 15.1#



#50

Toluene-d8

Concen: N.D. ug/l

RT: 9.45 min Scan# 937

Delta R.T. -0.02 min

Lab File: VD059886.D

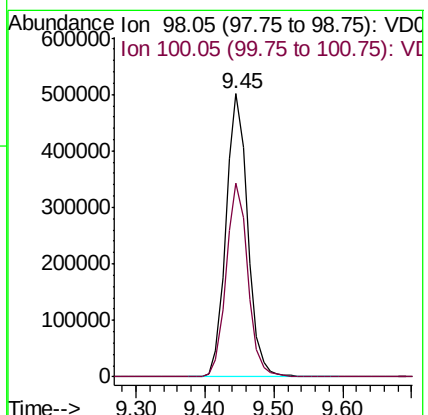
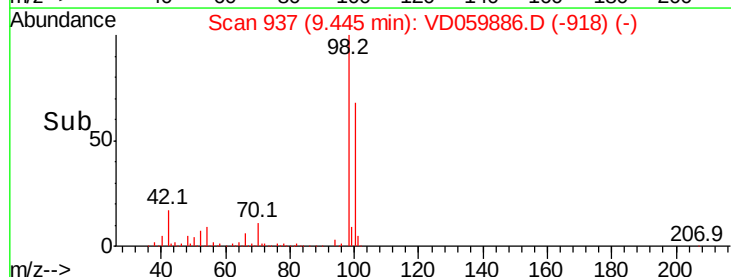
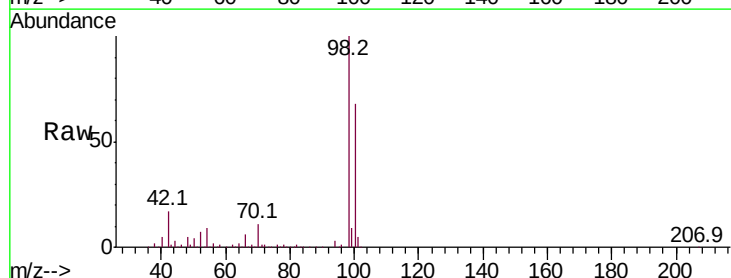
Acq: 23 Aug 2018 14:14

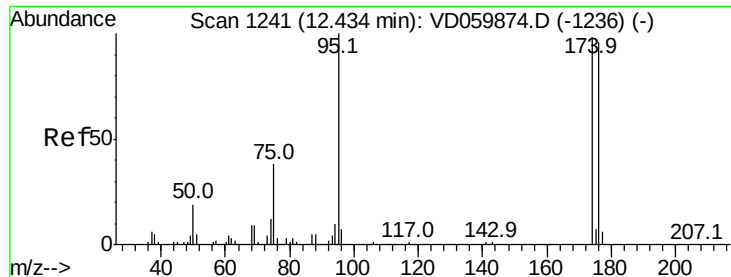
Tgt Ion: 98 Resp: 1091338

Ion Ratio Lower Upper

98 100

100 68.5 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: VD059886.D

Acq: 23 Aug 2018 14:14

Instrument :

MSVOA_D

ClientSampleId :

RA-081618-ESW-15-037RE

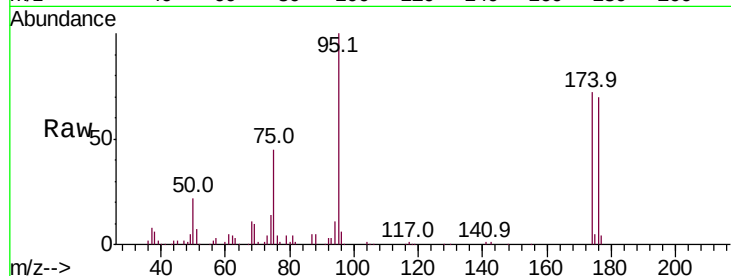
Tot Ion: 95 Resp: 254325

Ion Ratio Lower Upper

95 100

174 72.4 0.0 195.6

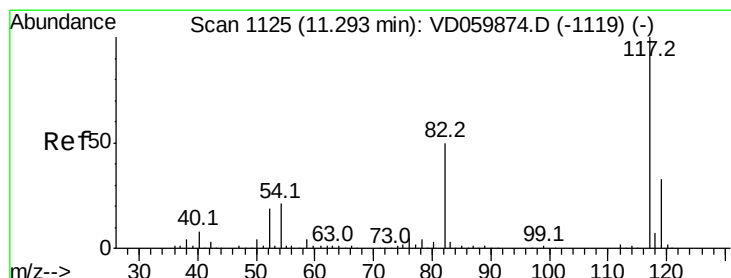
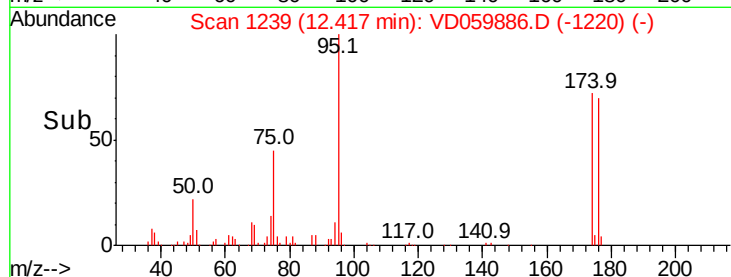
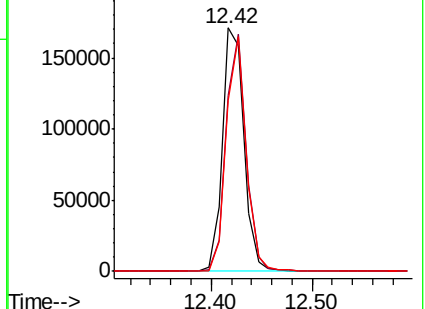
176 70.2 0.0 191.2



Abundance Ion 95.00 (94.70 to 95.70): V

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.28 min Scan# 1123

Delta R.T. -0.02 min

Lab File: VD059886.D

Acq: 23 Aug 2018 14:14

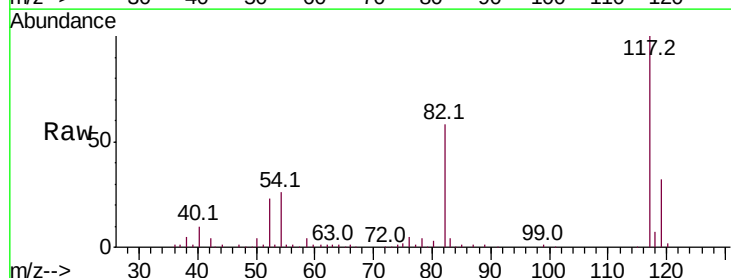
Tgt Ion: 117 Resp: 544622

Ion Ratio Lower Upper

117 100

82 58.1 40.1 60.1

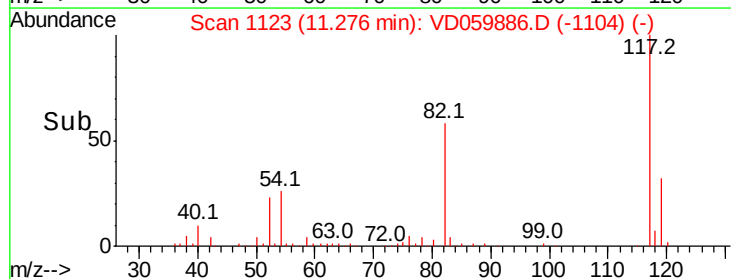
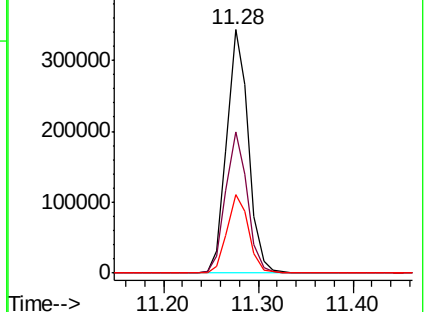
119 32.3 26.7 40.1

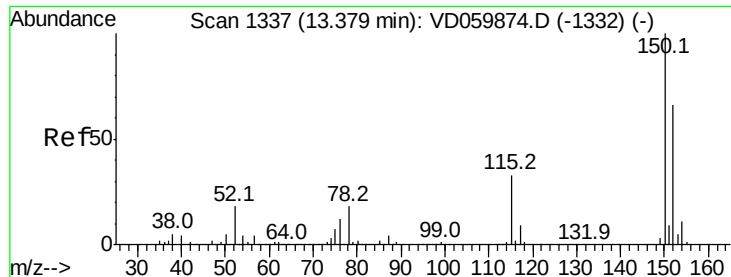


Abundance Ion 116.95 (116.65 to 117.65): V

Ion 82.05 (81.75 to 82.75): V

Ion 118.95 (118.65 to 119.65): V



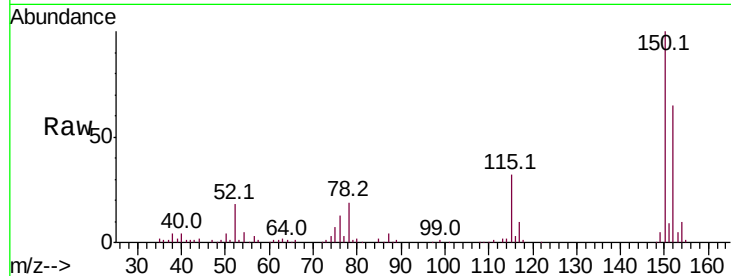


#72

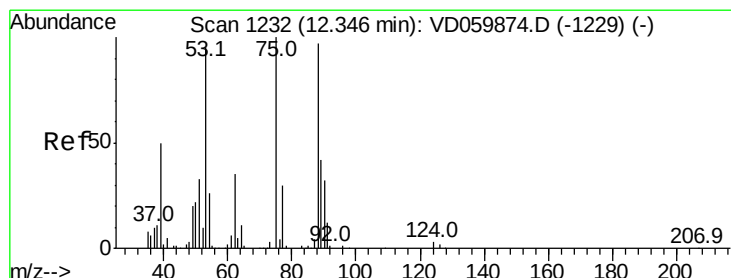
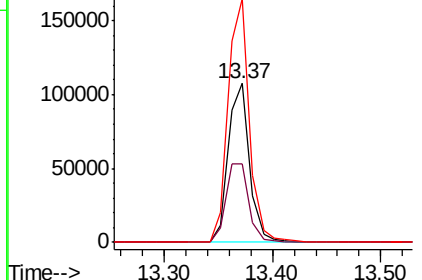
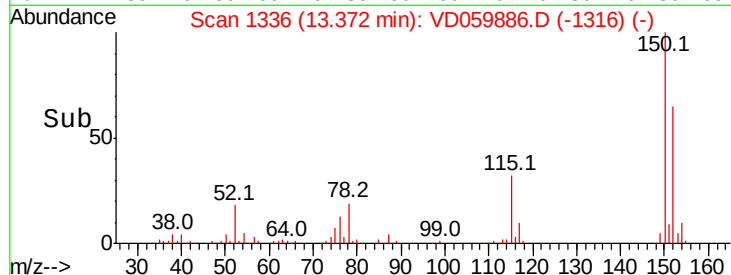
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.37 min Scan# 1336
Delta R.T. -0.01 min
Lab File: VD059886.D
Acq: 23 Aug 2018 14:14

Instrument :
MSVOA_D
ClientSampleId :
RA-081618-ESW-15-037RE

Tot Ion:152 Resp: 147333
Ion Ratio Lower Upper
152 100
115 49.9 25.7 77.0
150 153.6 0.0 310.2



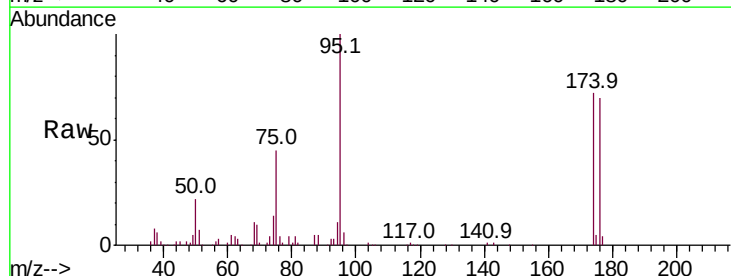
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 115.00 (114.70 to 115.70): V
Ion 149.90 (149.60 to 150.60): V



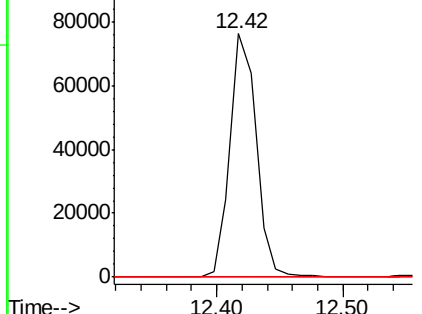
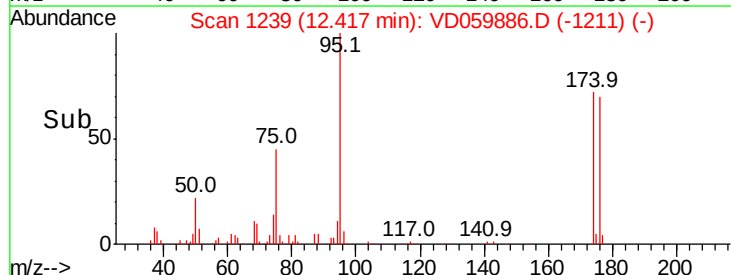
#81

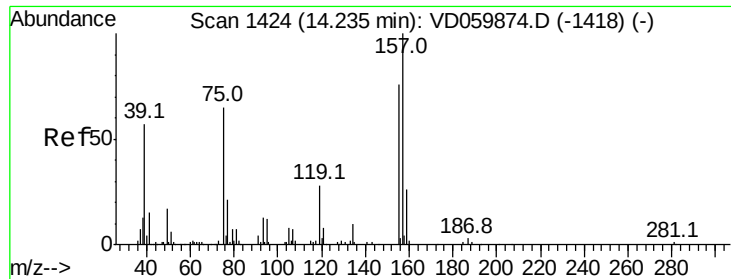
trans-1,4-Dichloro-2-butene
Concen: 154.398 ug/l
RT: 12.42 min Scan# 1239
Delta R.T. 0.07 min
Lab File: VD059886.D
Acq: 23 Aug 2018 14:14

Tgt Ion: 75 Resp: 109978
Ion Ratio Lower Upper
75 100
53 0.0 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





#92

1,2-Dibromo-3-Chloropropane

Concen: 2.942 ug/l

RT: 14.21 min Scan# 1421

Delta R.T. -0.03 min

Lab File: VD059886.D

Acq: 23 Aug 2018 14:14

Instrument :

MSVOA_D

ClientSampleId :

RA-081618-ESW-15-037RE

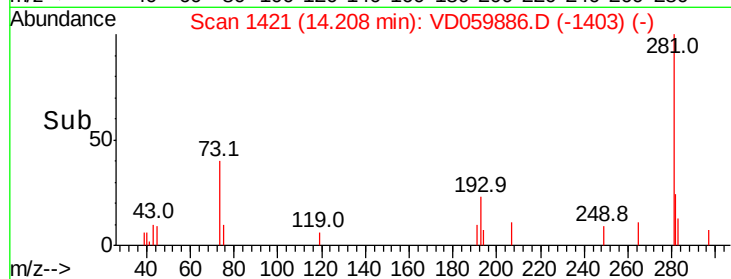
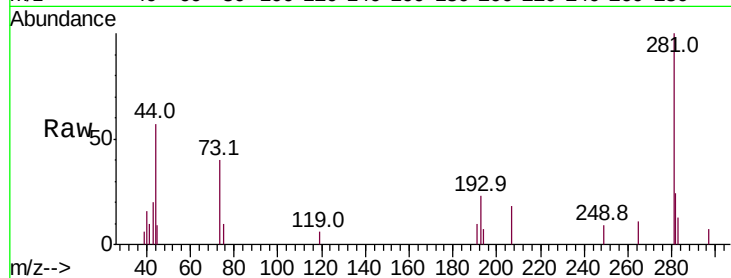
Tot Ion: 75 Resp: 984

Ion Ratio Lower Upper

75 100

155 0.0 58.2 174.6#

157 0.0 76.8 230.4#



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 154.90 (154.60 to 155.60): V

Ion 156.85 (156.55 to 157.55): V

