

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD082018\
 Data File : VD059845.D
 Acq On : 20 Aug 2018 22:01
 Operator : JC/SY
 Sample : J4511-07RE
 Misc : 5.09g/5ml/MSVOA_D/SOIL
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 RA-081518-NSW-45-029RE

Quant Time: Aug 21 05:13:17 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D082018S.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 21 04:40:12 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.60	168	929256	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.65	114	1284333	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.65	117	823885	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.88	152	240103	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.97	65	419689	56.43	ug/l	0.00
Spiked Amount 50.000			Recovery	=	112.86%	
35) Dibromofluoromethane	5.50	113	547618	57.65	ug/l	0.00
Spiked Amount 50.000			Recovery	=	115.30%	
50) Toluene-d8	8.67	98	1220938	47.66	ug/l	0.00
Spiked Amount 50.000			Recovery	=	95.32%	
62) 4-Bromofluorobenzene	11.90	95	338793	34.47	ug/l	0.00
Spiked Amount 50.000			Recovery	=	68.94%	

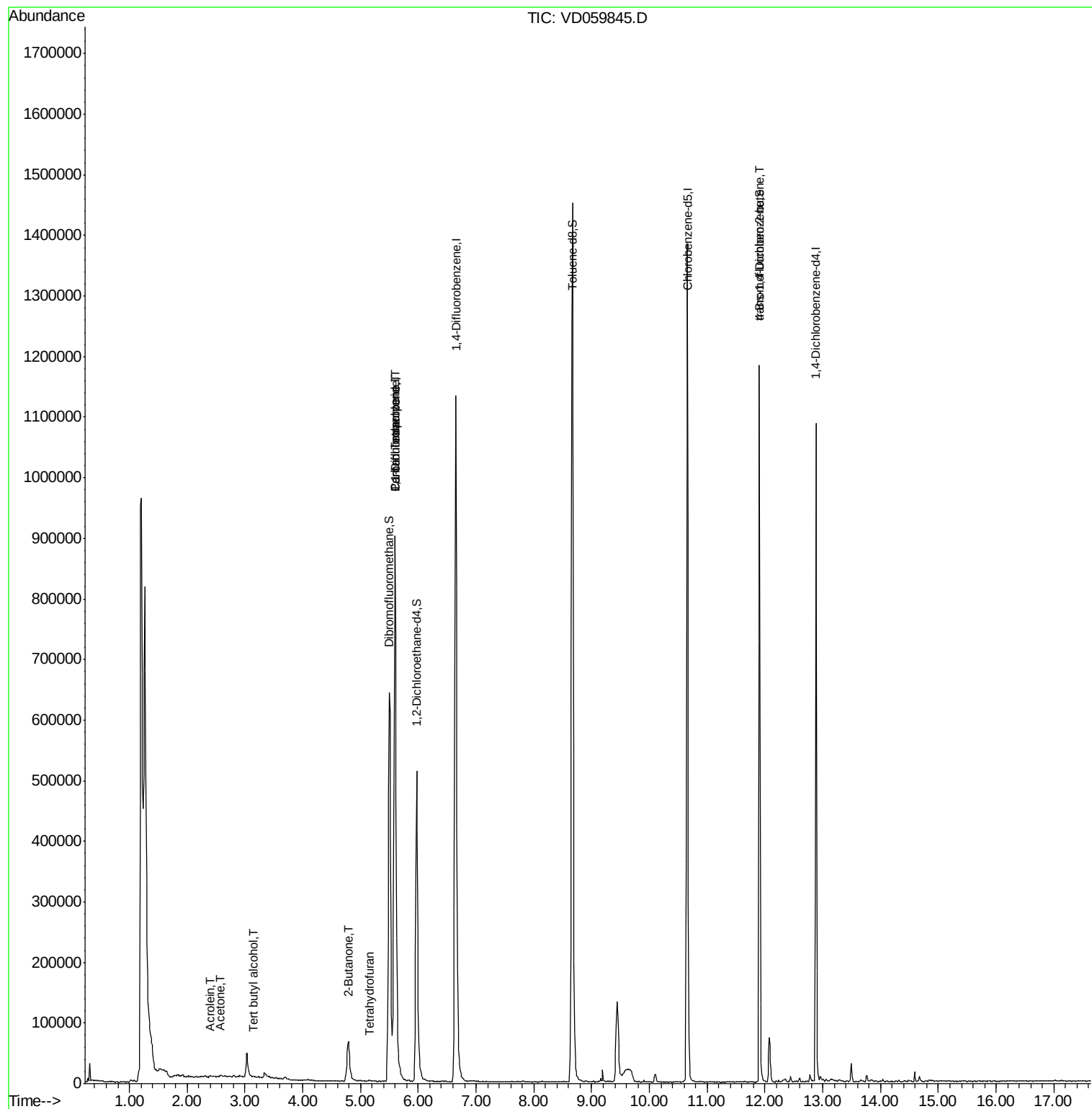
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	3.16	59	1635	5.947	ug/l #	67
13) Acrolein	2.41	56	299	2.130	ug/l	91
16) Acetone	2.57	43	4263	3.420	ug/l #	56
18) Methyl Acetate	2.91	43	2906	Below Cal	#	65
20) Methylene Chloride	3.03	84	18226	Below Cal	#	82
25) 2-Butanone	4.78	43	5753	1.527	ug/l #	63
29) Tetrahydrofuran	5.14	42	3421	1.793	ug/l #	42
31) Cyclohexane	5.60	56	20053	Below Cal	#	1
36) 1,1-Dichloropropene	5.60	75	67199	6.169	ug/l #	47
38) Carbon Tetrachloride	5.60	117	74633	6.865	ug/l #	15
67) Ethyl Benzene	10.83	91	181	Below Cal	#	43
81) trans-1,4-Dichloro-2-buten	11.90	75	133733	107.697	ug/l #	10
82) 4-Chlorotoluene	12.30	91	967	Below Cal	#	48
89) n-Butylbenzene	13.17	91	446	Below Cal	#	30
91) 1,2-Dichlorobenzene	13.16	146	611	Below Cal	#	72

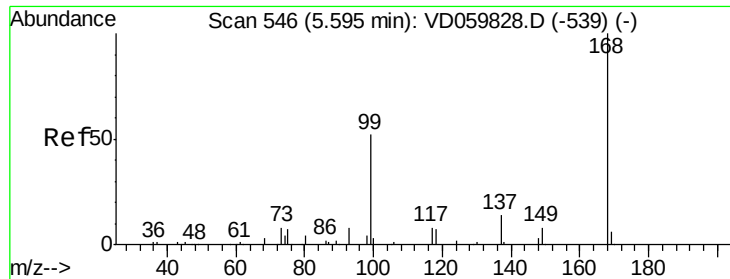
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.60 min Scan# 546

Delta R.T. 0.00 min

Lab File: VD059845.D

Acq: 20 Aug 2018 22:01

Instrument :

MSVOA_D

ClientSampleId :

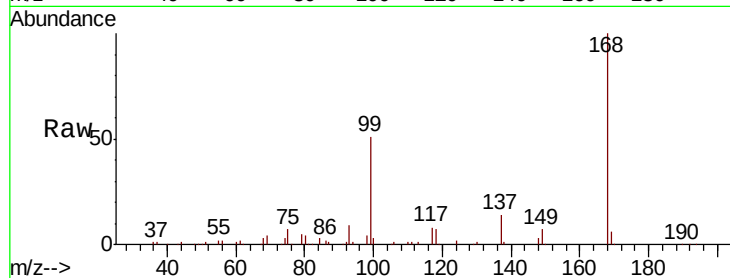
RA-081518-NSW-45-029RE

Tgt Ion:168 Resp: 929256

Ion Ratio Lower Upper

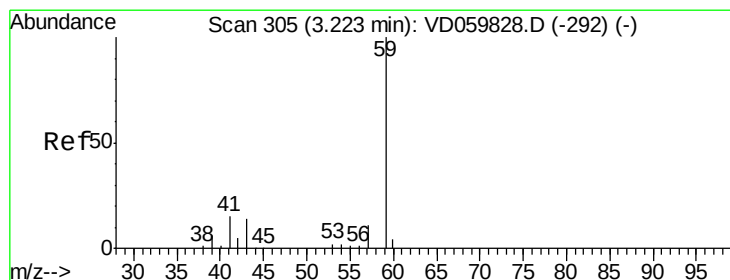
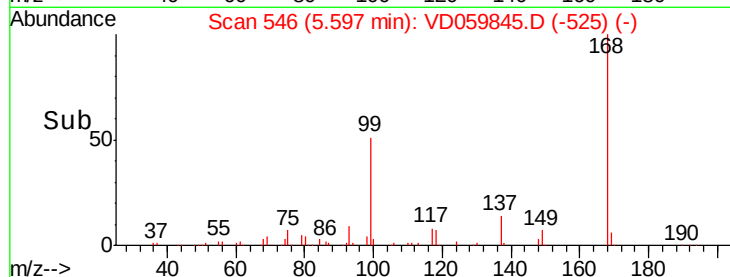
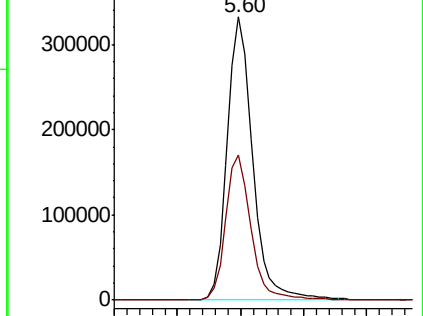
168 100

99 51.3 43.6 65.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#11

Tert butyl alcohol

Concen: 5.947 ug/l

RT: 3.16 min Scan# 298

Delta R.T. -0.07 min

Lab File: VD059845.D

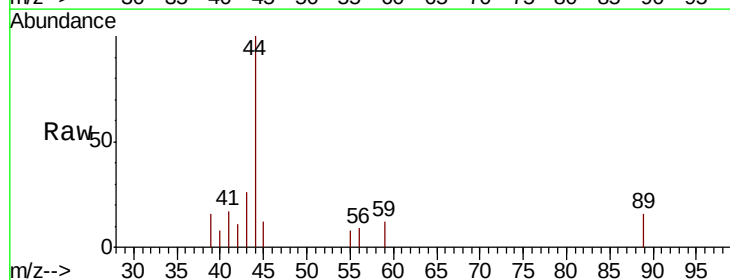
Acq: 20 Aug 2018 22:01

Tgt Ion: 59 Resp: 1635

Ion Ratio Lower Upper

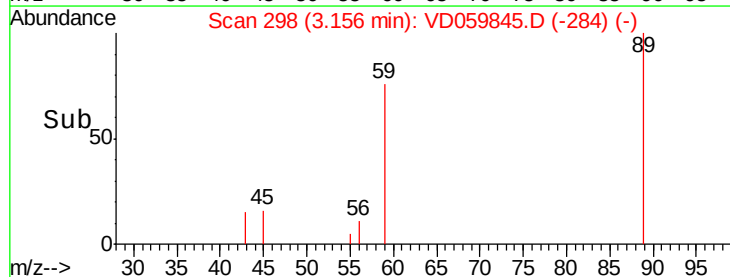
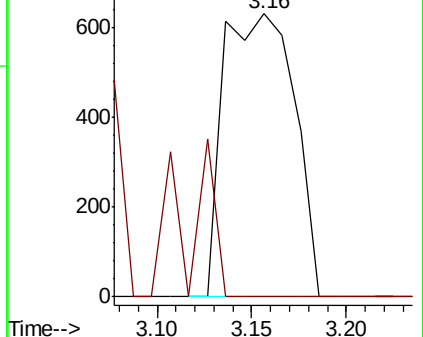
59 100

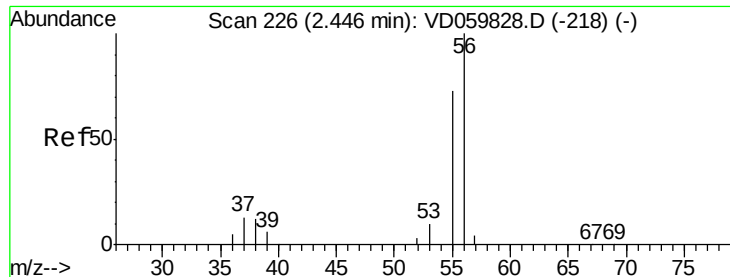
57 0.0 10.3 15.5#



Abundance Ion 58.95 (58.65 to 59.65): VDC

Ion 56.95 (56.65 to 57.65): VDC





#13

Acrolein

Concen: 2.130 ug/l

RT: 2.41 min Scan# 222

Delta R.T. -0.04 min

Lab File: VD059845.D

Acq: 20 Aug 2018 22:01

Instrument :

MSVOA_D

ClientSampleId :

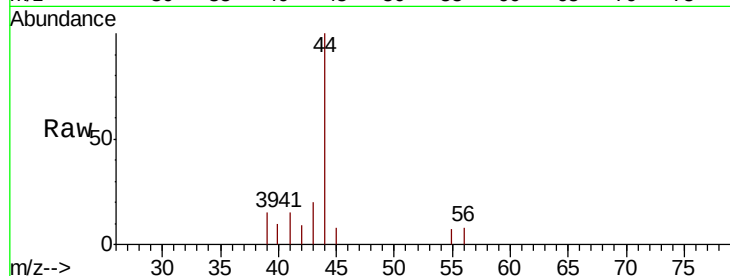
RA-081518-NSW-45-029RE

Tgt Ion: 56 Resp: 299

Ion Ratio Lower Upper

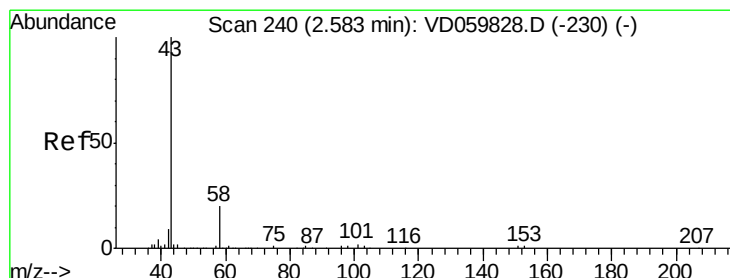
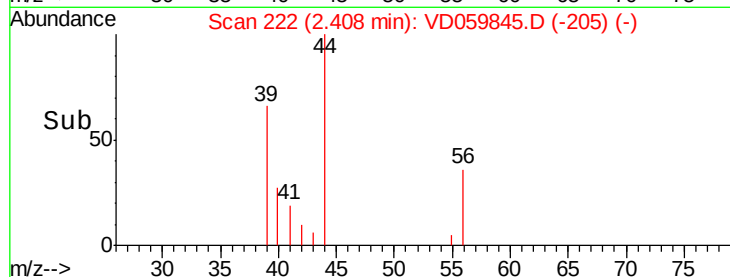
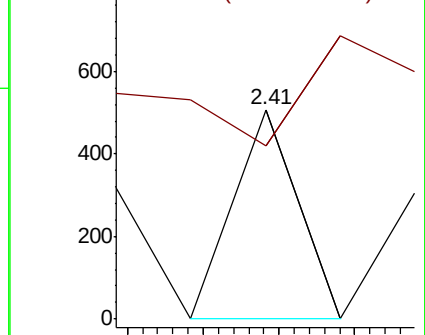
56 100

55 83.0 60.4 90.6



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC



#16

Acetone

Concen: 3.420 ug/l

RT: 2.57 min Scan# 238

Delta R.T. -0.02 min

Lab File: VD059845.D

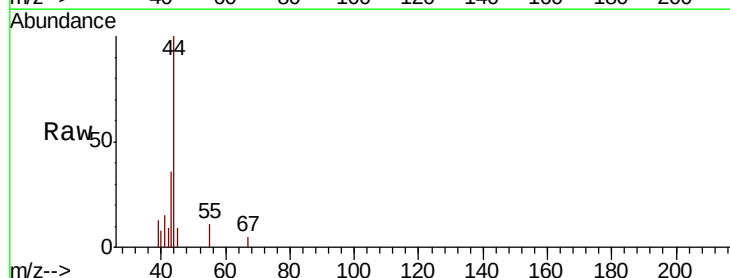
Acq: 20 Aug 2018 22:01

Tgt Ion: 43 Resp: 4263

Ion Ratio Lower Upper

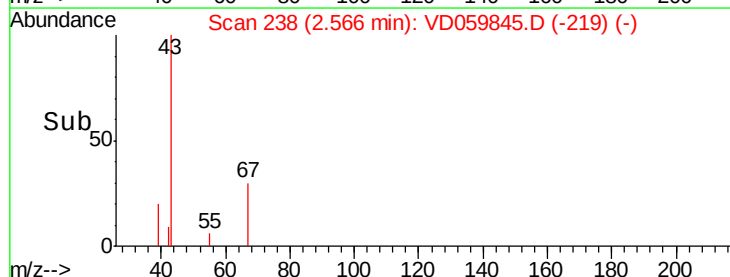
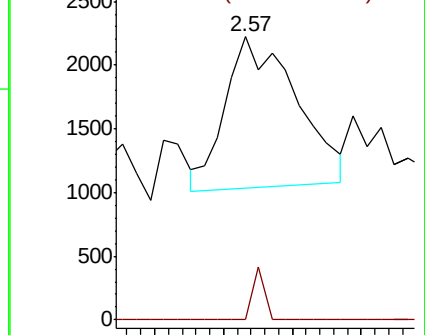
43 100

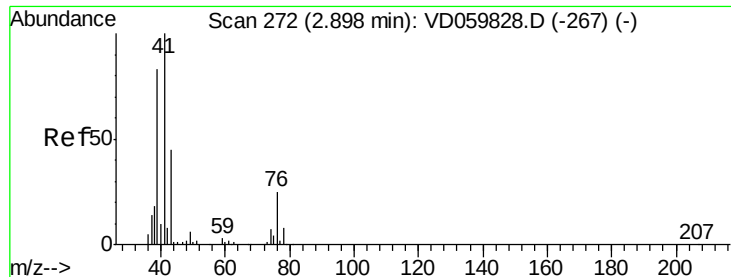
58 0.0 16.2 24.2#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

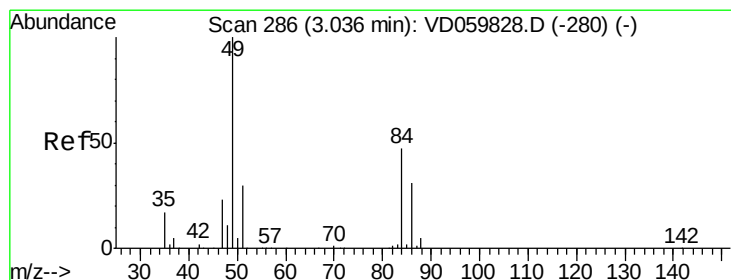
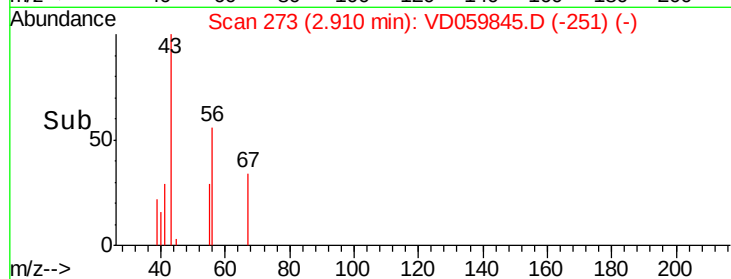
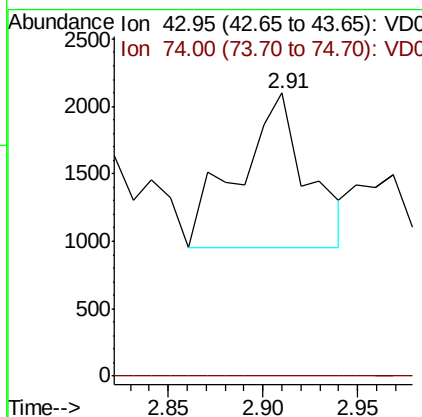
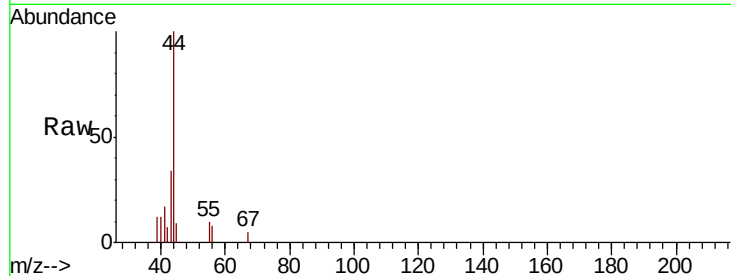




#18
Methyl Acetate
Concen: Below Cal
RT: 2.91 min Scan# 273
Delta R.T. 0.01 min
Lab File: VD059845.D
Acq: 20 Aug 2018 22:01

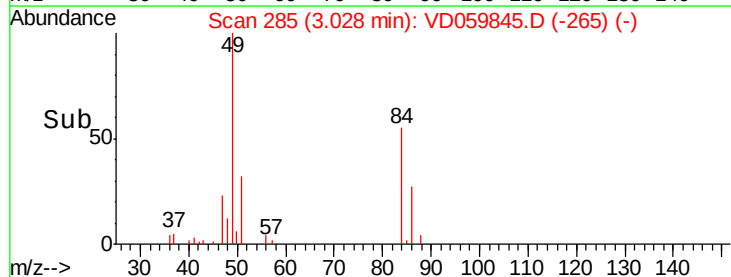
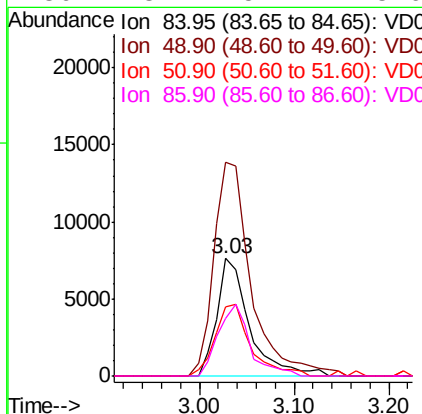
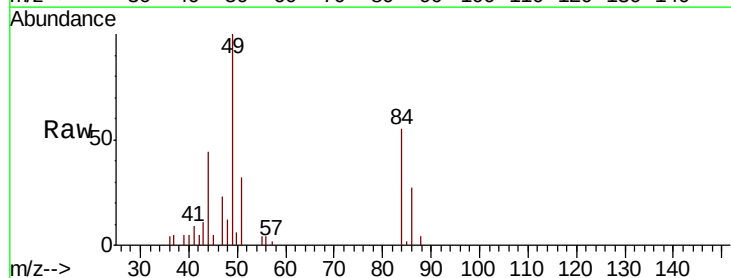
Instrument :
MSVOA_D
ClientSampleId :
RA-081518-NSW-45-029RE

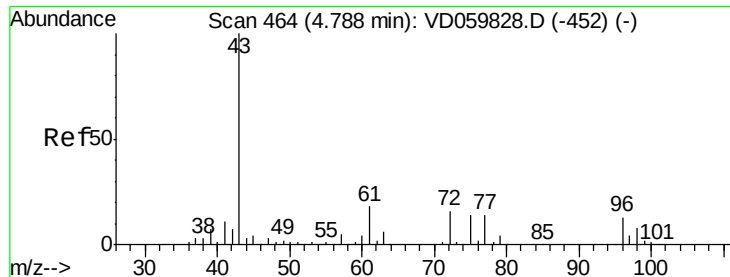
Tgt Ion: 43 Resp: 2906
Ion Ratio Lower Upper
43 100
74 0.0 11.4 17.0#



#20
Methylene Chloride
Concen: Below Cal
RT: 3.03 min Scan# 285
Delta R.T. -0.01 min
Lab File: VD059845.D
Acq: 20 Aug 2018 22:01

Tgt Ion: 84 Resp: 18226
Ion Ratio Lower Upper
84 100
49 181.9 170.4 255.6
51 58.6 51.4 77.0
86 48.7 52.4 78.6#





#25

2-Butanone

Concen: 1.527 ug/l

RT: 4.78 min Scan# 463

Delta R.T. -0.01 min

Lab File: VD059845.D

Acq: 20 Aug 2018 22:01

Instrument :

MSVOA_D

ClientSampleId :

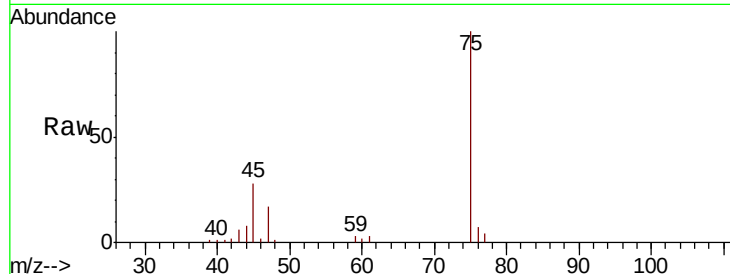
RA-081518-NSW-45-029RE

Tgt Ion: 43 Resp: 5753

Ion Ratio Lower Upper

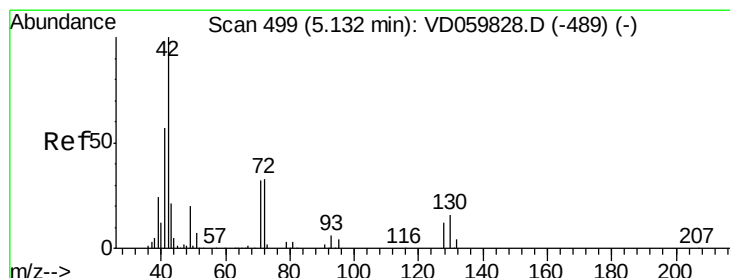
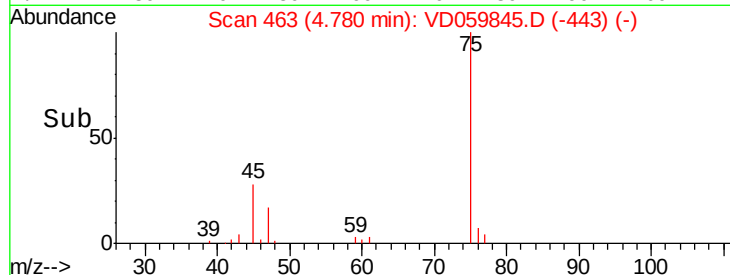
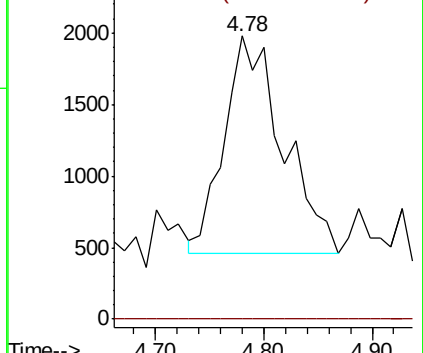
43 100

72 0.0 12.4 18.6#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#29

Tetrahydrofuran

Concen: 1.793 ug/l

RT: 5.14 min Scan# 500

Delta R.T. 0.01 min

Lab File: VD059845.D

Acq: 20 Aug 2018 22:01

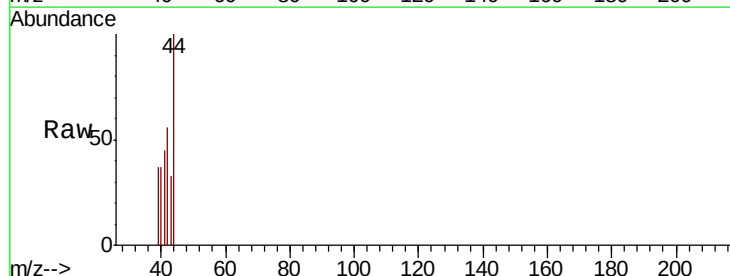
Tgt Ion: 42 Resp: 3421

Ion Ratio Lower Upper

42 100

72 0.0 25.8 38.6#

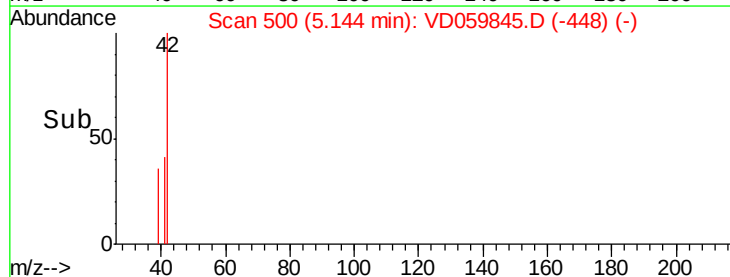
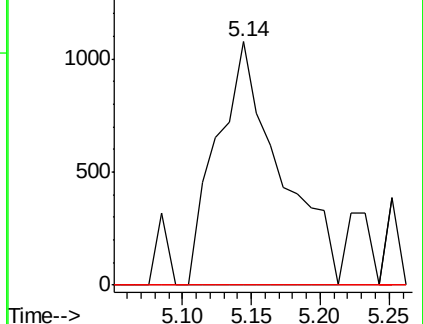
71 0.0 25.7 38.5#

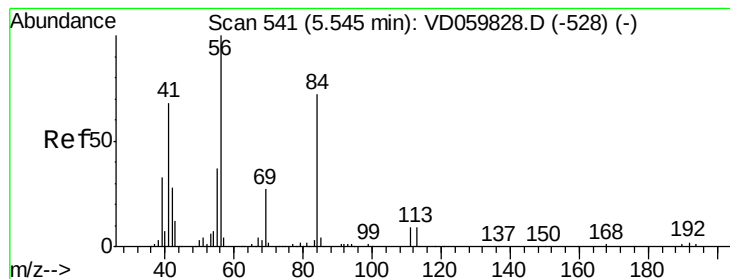


Abundance Ion 42.00 (41.70 to 42.70): VDC

Ion 72.00 (71.70 to 72.70): VDC

Ion 71.00 (70.70 to 71.70): VDC





#31

Cyclohexane

Concen: Below Cal

RT: 5.60 min Scan# 546

Delta R.T. 0.05 min

Lab File: VD059845.D

Acq: 20 Aug 2018 22:01

Instrument :

MSVOA_D

ClientSampleId :

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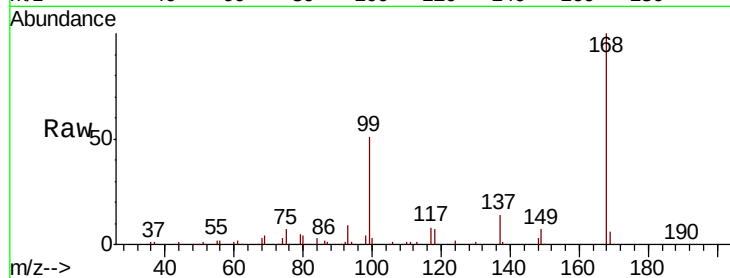
Tgt Ion: 56 Resp: 20053

Ion Ratio Lower Upper

56 100

69 197.0 21.7 32.5#

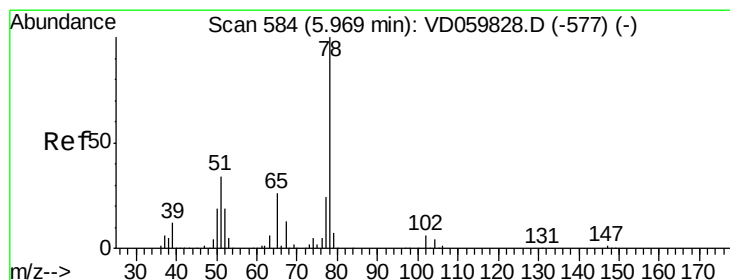
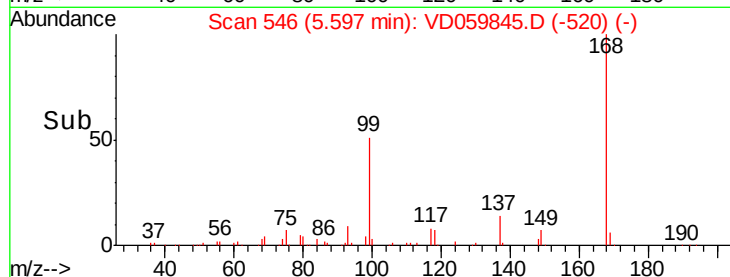
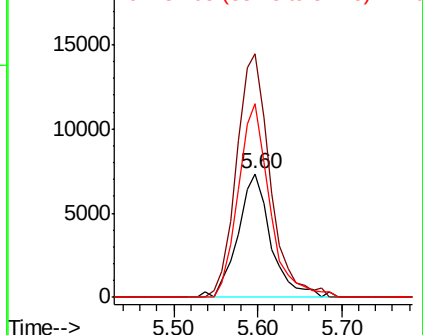
84 156.4 57.8 86.6#



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: 5.97 min Scan# 584

Delta R.T. 0.00 min

Lab File: VD059845.D

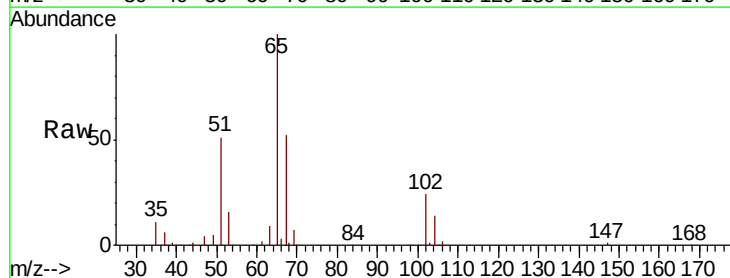
Acq: 20 Aug 2018 22:01

Tgt Ion: 65 Resp: 419689

Ion Ratio Lower Upper

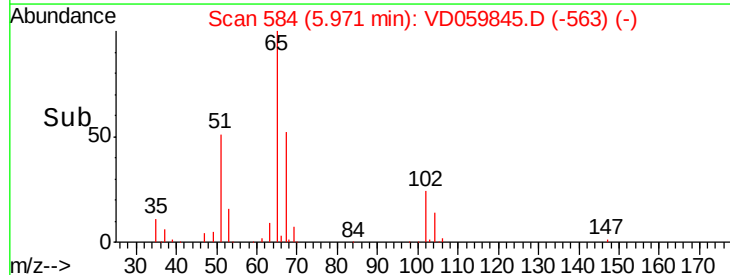
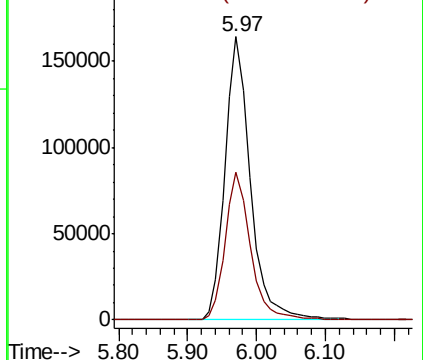
65 100

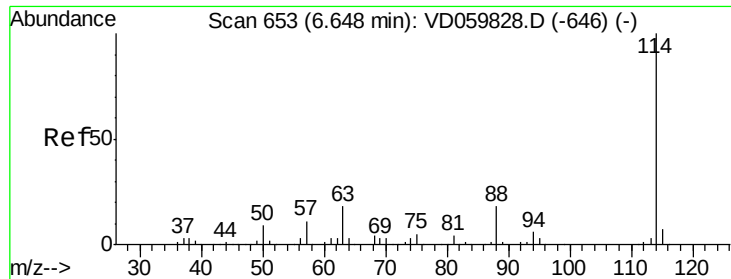
67 52.2 0.0 102.4



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC

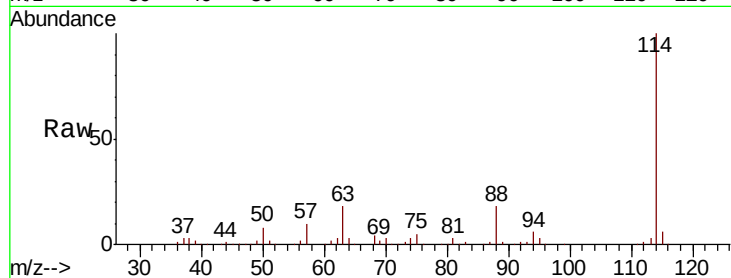




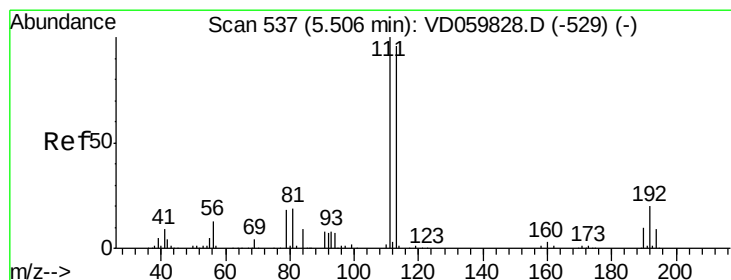
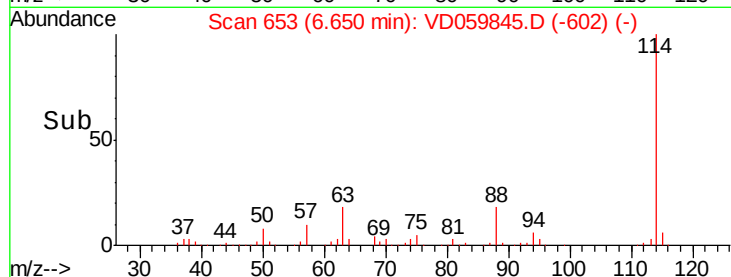
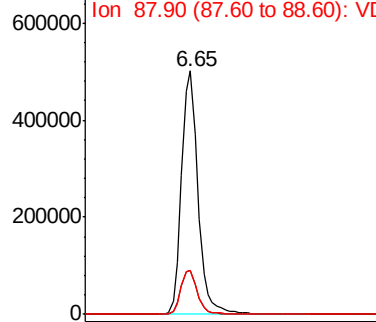
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.65 min Scan# 653
 Delta R.T. 0.00 min
 Lab File: VD059845.D
 Acq: 20 Aug 2018 22:01

Instrument :
 MSVOA_D
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 RA-081518-NSW-45-029RE

Tgt Ion:114 Resp: 1284333
 Ion Ratio Lower Upper
 114 100
 63 18.1 0.0 37.0
 88 17.9 0.0 37.0

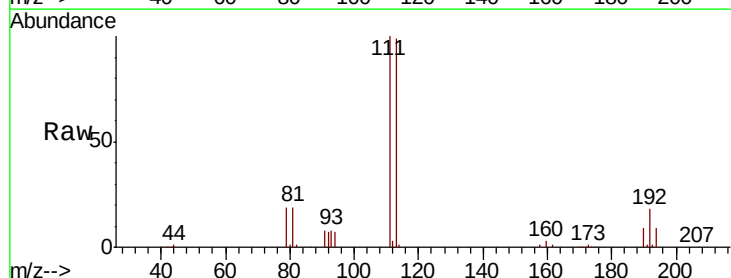


Abundance Ion 114.00 (113.70 to 114.70): V
 Ion 62.95 (62.65 to 63.65): V
 Ion 87.90 (87.60 to 88.60): V

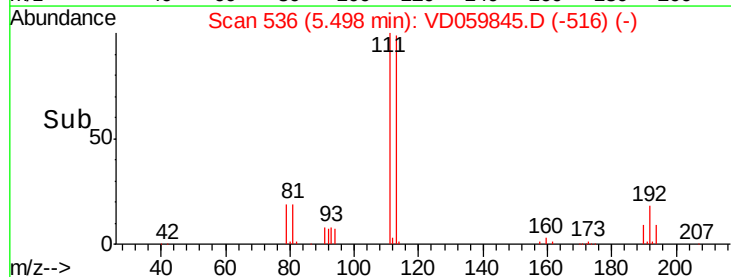
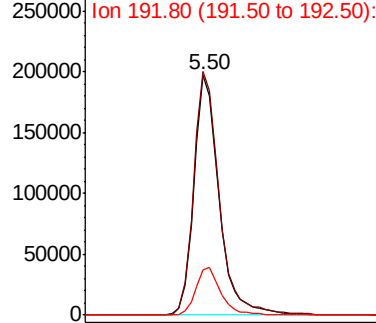


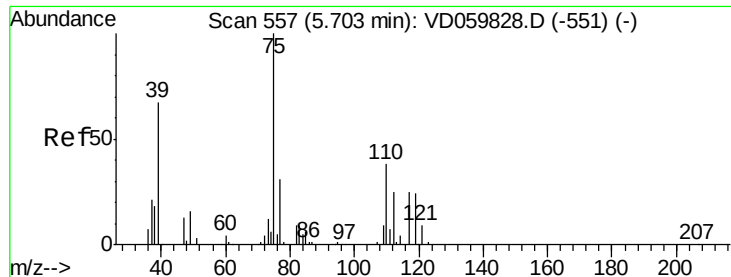
#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 5.50 min Scan# 536
 Delta R.T. -0.01 min
 Lab File: VD059845.D
 Acq: 20 Aug 2018 22:01

Tgt Ion:113 Resp: 547618
 Ion Ratio Lower Upper
 113 100
 111 101.4 83.3 124.9
 192 18.6 16.8 25.2



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

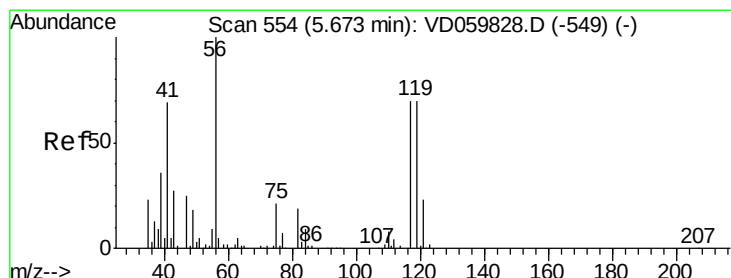
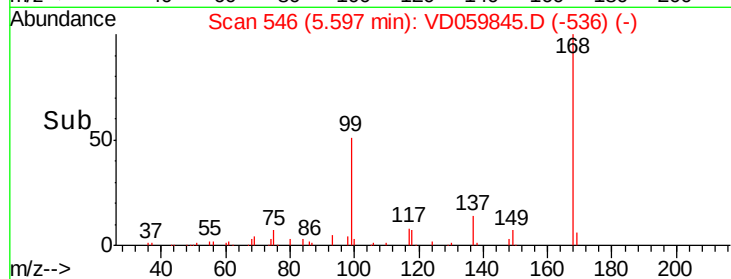
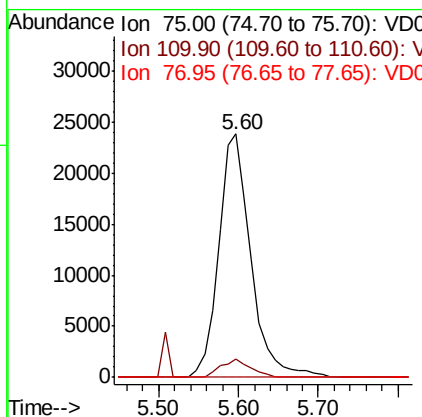
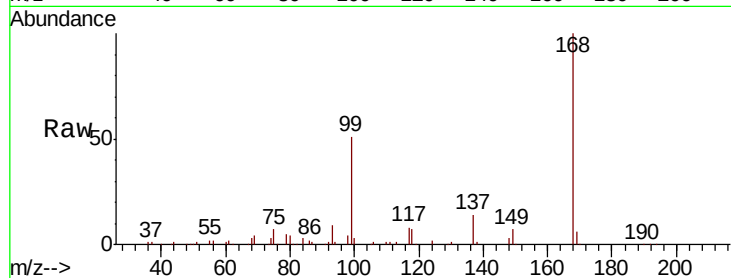




#36
 1,1-Dichloropropene
 Concen: 6.169 ug/l
 RT: 5.60 min Scan# 546
 Delta R.T. -0.11 min
 Lab File: VD059845.D
 Acq: 20 Aug 2018 22:01

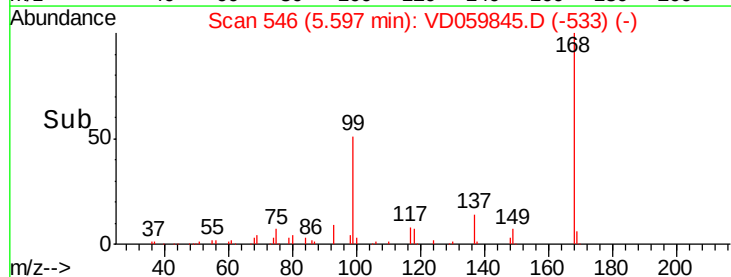
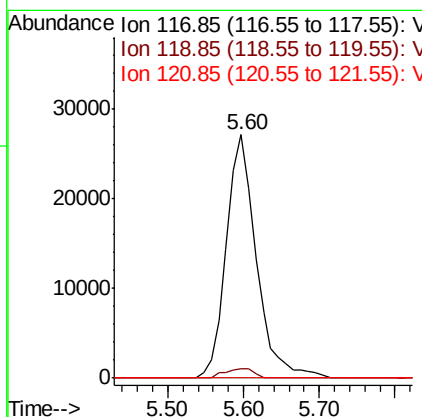
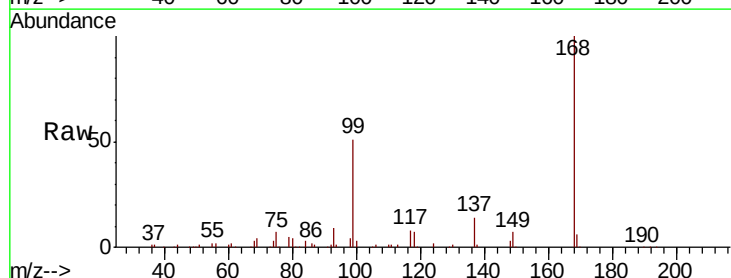
Instrument :
 MSVOA_D
 ClientSampleId :
 RA-081518-NSW-45-029RE

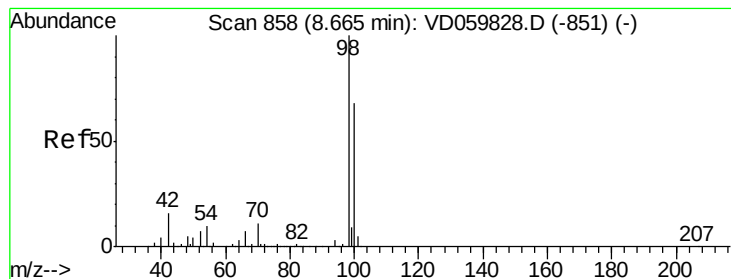
Tgt Ion	Ratio	Lower	Upper
75	100		
110	7.5	18.8	56.4#
77	0.0	24.9	37.3#



#38
 Carbon Tetrachloride
 Concen: 6.865 ug/l
 RT: 5.60 min Scan# 546
 Delta R.T. -0.08 min
 Lab File: VD059845.D
 Acq: 20 Aug 2018 22:01

Tgt Ion	Ratio	Lower	Upper
117	100		
119	4.1	77.0	115.4#
121	0.0	24.7	37.1#





#50

Toluene-d8

Concen: N.D. ug/l

RT: 8.67 min Scan# 858

Delta R.T. 0.00 min

Lab File: VD059845.D

Acq: 20 Aug 2018 22:01

Instrument :

MSVOA_D

ClientSampleId :

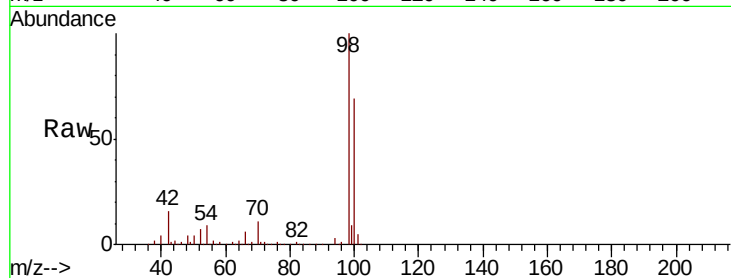
RA-081518-NSW-45-029RE

Tgt Ion: 98 Resp: 1220938

Ion Ratio Lower Upper

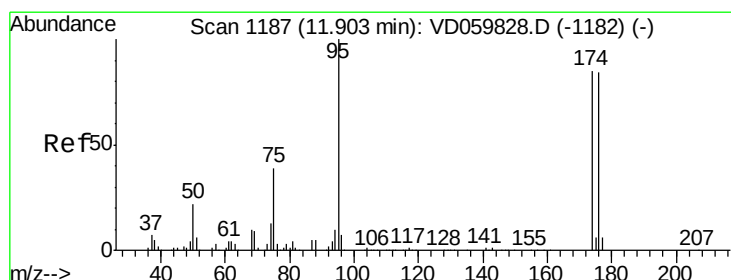
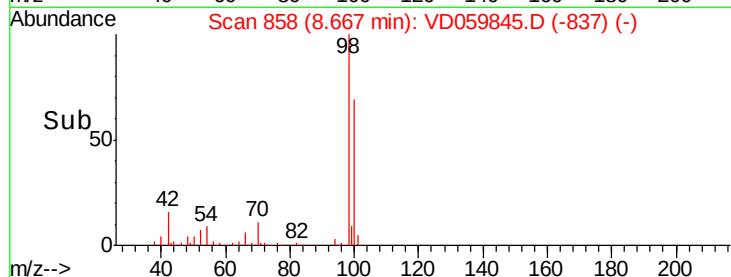
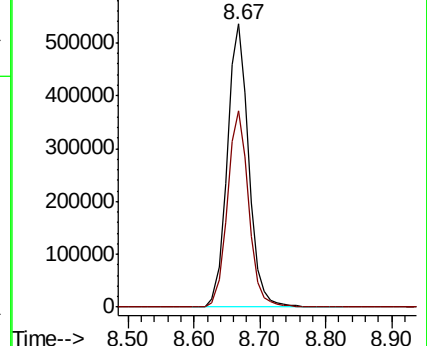
98 100

100 69.5 55.0 82.4



Abundance Ion 98.05 (97.75 to 98.75): VDC

Ion 100.05 (99.75 to 100.75): VDC



#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 11.90 min Scan# 1187

Delta R.T. 0.00 min

Lab File: VD059845.D

Acq: 20 Aug 2018 22:01

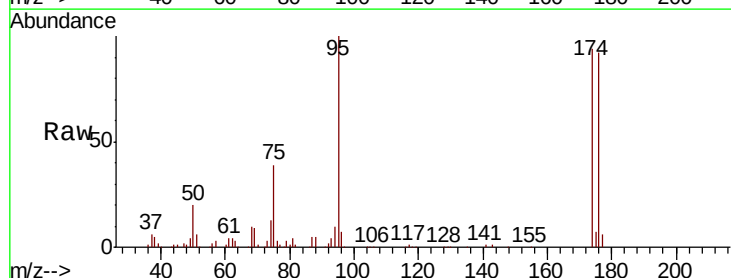
Tgt Ion: 95 Resp: 338793

Ion Ratio Lower Upper

95 100

174 94.1 0.0 169.2

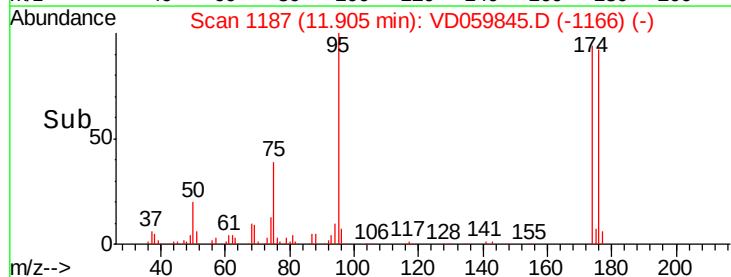
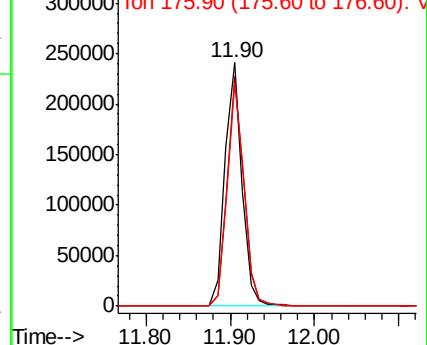
176 91.6 0.0 168.0

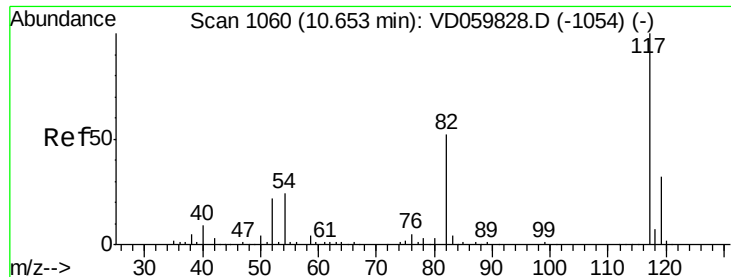


Abundance Ion 95.00 (94.70 to 95.70): VDC

Ion 173.90 (173.60 to 174.60): VDC

Ion 175.90 (175.60 to 176.60): VDC

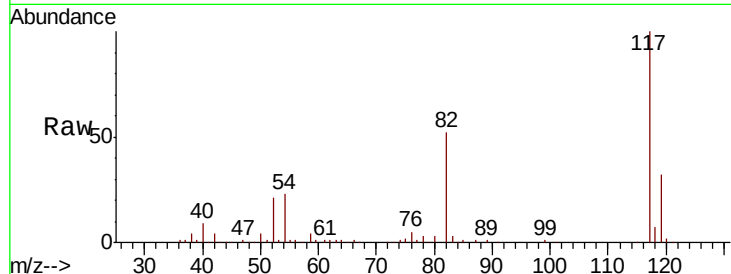




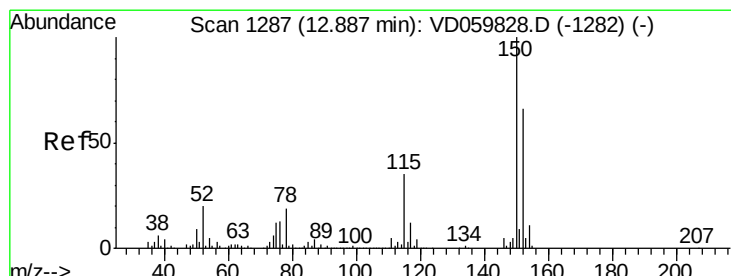
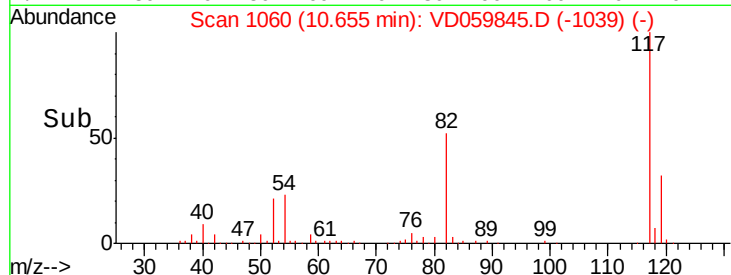
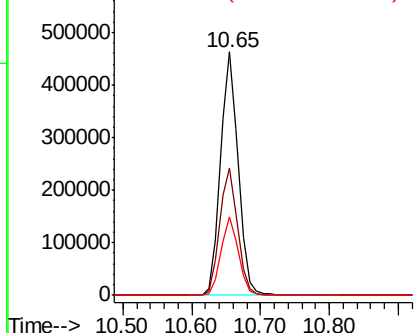
#63
 Chlorobenzene-d5
 Concen: 50.000 ug/l
 RT: 10.65 min Scan# 1060
 Delta R.T. 0.00 min
 Lab File: VD059845.D
 Acq: 20 Aug 2018 22:01

Instrument :
 MSVOA_D
 ClientSampleId :
 RA-081518-NSW-45-029RE

Tgt Ion:117 Resp: 823885
 Ion Ratio Lower Upper
 117 100
 82 52.0 41.6 62.4
 119 32.3 25.6 38.4

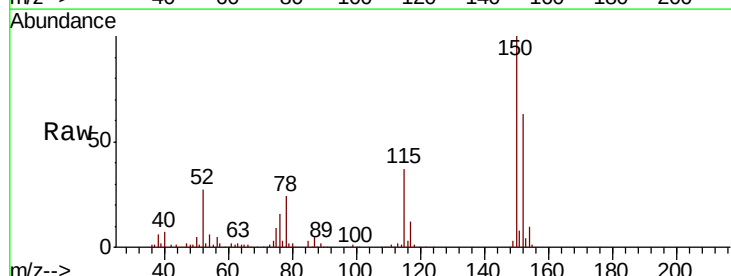


Abundance Ion 116.95 (116.65 to 117.65): V
 Ion 82.05 (81.75 to 82.75): V
 Ion 118.95 (118.65 to 119.65): V

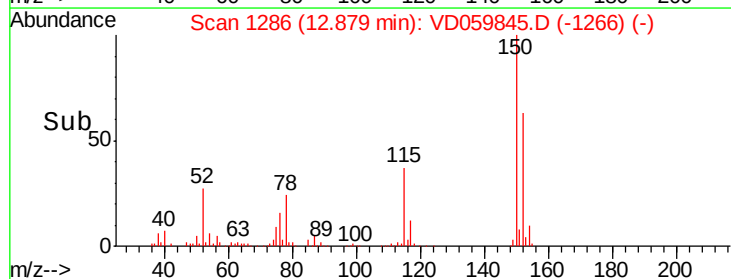
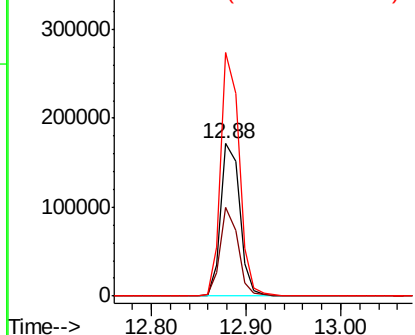


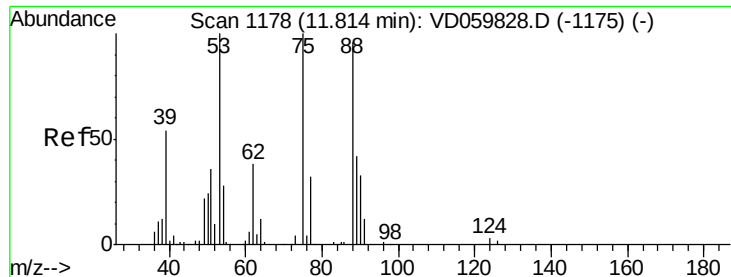
#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.88 min Scan# 1286
 Delta R.T. -0.01 min
 Lab File: VD059845.D
 Acq: 20 Aug 2018 22:01

Tgt Ion:152 Resp: 240103
 Ion Ratio Lower Upper
 152 100
 115 58.5 26.9 80.6
 150 159.7 0.0 306.8



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: 107.697 ug/l

RT: 11.90 min Scan# 1187

Delta R.T. 0.09 min

Lab File: VD059845.D

Acq: 20 Aug 2018 22:01

Instrument :

MSVOA_D

ClientSampleId :

RA-081518-NSW-45-029RE

Tgt Ion: 75 Resp: 133733

Ion Ratio Lower Upper

75 100

53 0.0 80.7 121.1#

89 0.0 33.9 50.9#

