

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD082018\
 Data File : VD059846.D
 Acq On : 20 Aug 2018 22:29
 Operator : JC/SY
 Sample : J4511-08RE
 Misc : 5.04g/5ml/MSVOA_D/SOIL
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 RA-081518-FL-030

Quant Time: Aug 21 05:13:25 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	5.59	168	517984	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.65	114	793111	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.65	117	614791	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.89	152	278851	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.97	65	334718	80.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	161.48%	
35) Dibromofluoromethane	5.50	113	371840	63.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	126.76%	
50) Toluene-d8	8.67	98	836333	52.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.74%	
62) 4-Bromofluorobenzene	11.90	95	309394	50.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.94%	

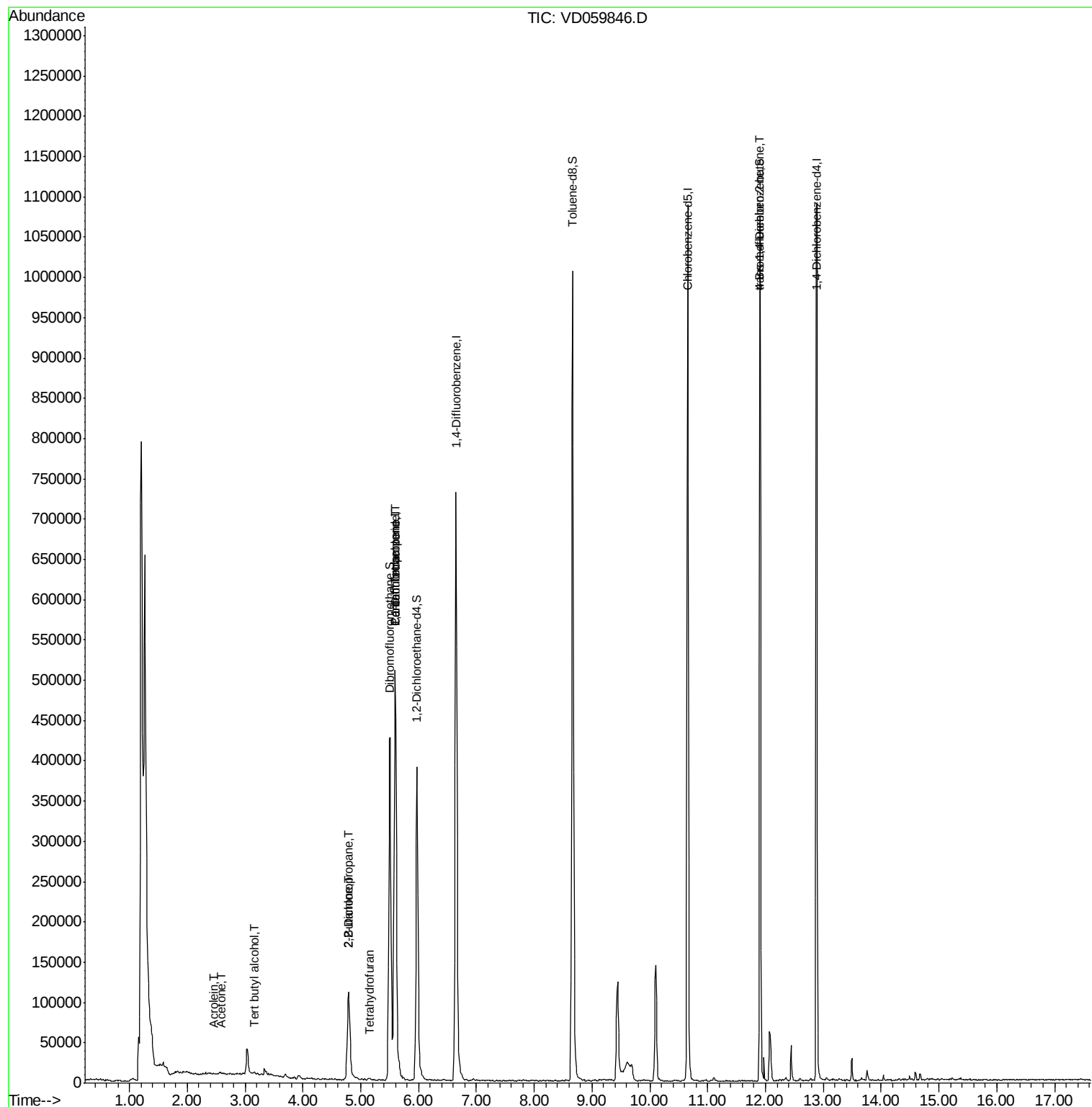
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	3.16	59	3165	20.653	ug/l #	39
13) Acrolein	2.46	56	1479	10.456	ug/l #	44
16) Acetone	2.57	43	4325	6.225	ug/l	92
18) Methyl Acetate	2.91	43	611	Below Cal	#	65
25) 2-Butanone	4.79	43	8839	4.209	ug/l #	63
26) 2,2-Dichloropropane	4.80	77	7835	1.096	ug/l #	49
29) Tetrahydrofuran	5.15	42	2800	2.633	ug/l #	42
31) Cyclohexane	5.59	56	10756	Below Cal	#	1
36) 1,1-Dichloropropene	5.59	75	36587	5.439	ug/l #	48
38) Carbon Tetrachloride	5.59	117	41718	6.214	ug/l #	15
67) Ethyl Benzene	10.82	91	684	Below Cal	#	43
80) 1,3,5-Trimethylbenzene	12.30	105	723	Below Cal	#	30
81) trans-1,4-Dichloro-2-buten	11.90	75	122394	84.869	ug/l #	10
82) 4-Chlorotoluene	12.31	91	863	Below Cal	#	48
89) n-Butylbenzene	13.17	91	454	Below Cal	#	78
91) 1,2-Dichlorobenzene	13.17	146	307	Below Cal	#	72

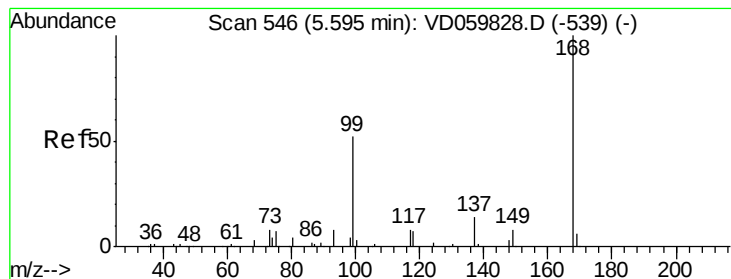
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.59 min Scan# 546

Delta R.T. 0.00 min

Lab File: VD059846.D

Acq: 20 Aug 2018 22:29

Instrument :

MSVOA_D

ClientSampleId :

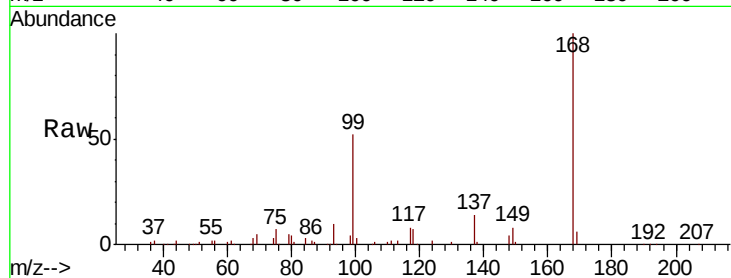
RA-081518-FL-030

Tgt Ion:168 Resp: 517984

Ion Ratio Lower Upper

168 100

99 51.6 43.6 65.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

5.59

200000

150000

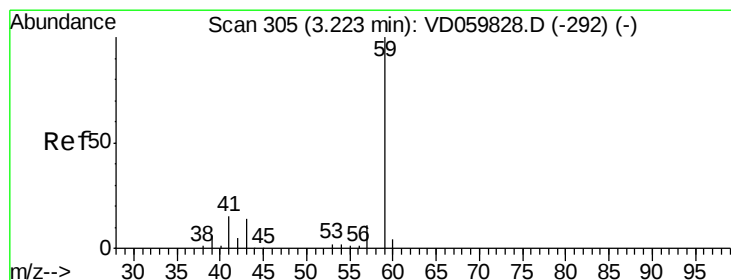
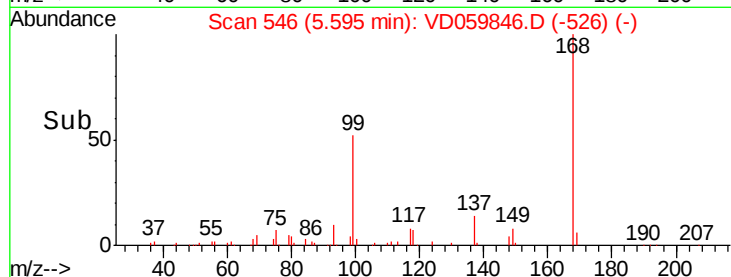
100000

50000

0

5.50 5.60 5.70 5.80

Time-->



#11

Tert butyl alcohol

Concen: 20.653 ug/l

RT: 3.16 min Scan# 299

Delta R.T. -0.06 min

Lab File: VD059846.D

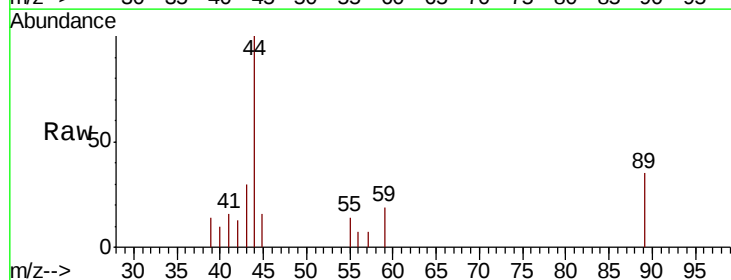
Acq: 20 Aug 2018 22:29

Tgt Ion: 59 Resp: 3165

Ion Ratio Lower Upper

59 100

57 37.1 10.3 15.5#



Abundance Ion 58.95 (58.65 to 59.65): VDC

Ion 56.95 (56.65 to 57.65): VDC

3.16

1000

800

600

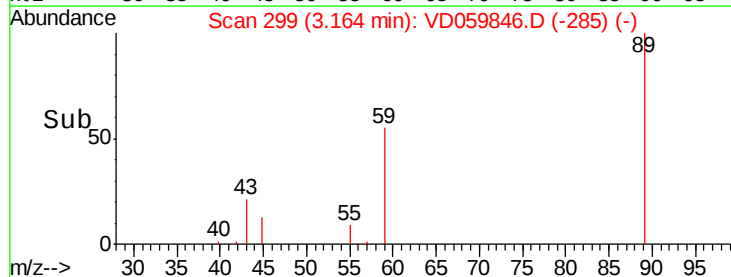
400

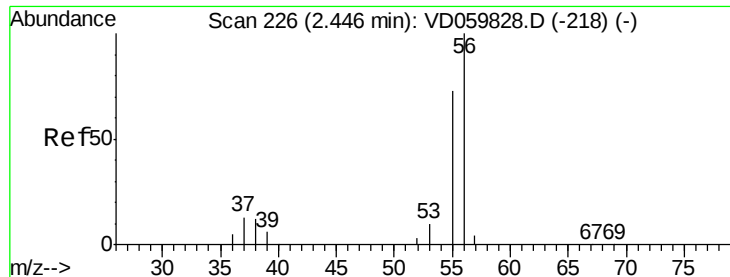
200

0

3.10 3.15 3.20 3.25

Time-->





#13

Acrolein

Concen: 10.456 ug/l

RT: 2.46 min Scan# 227

Delta R.T. 0.01 min

Lab File: VD059846.D

Acq: 20 Aug 2018 22:29

Instrument :

MSVOA_D

ClientSampleId :

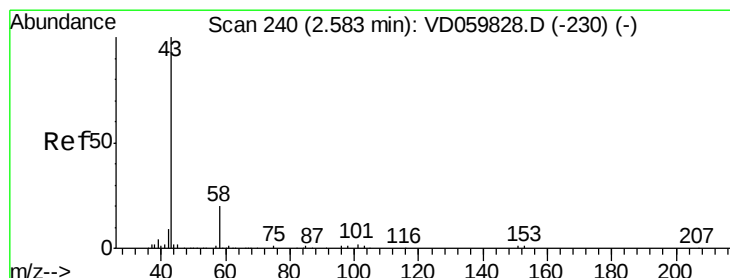
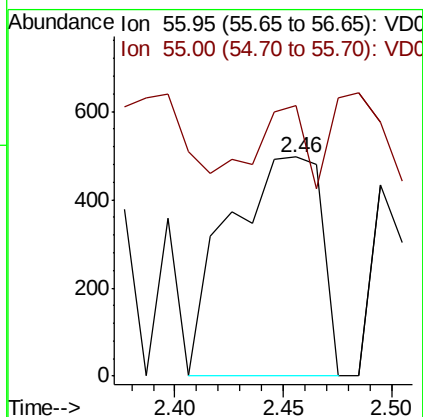
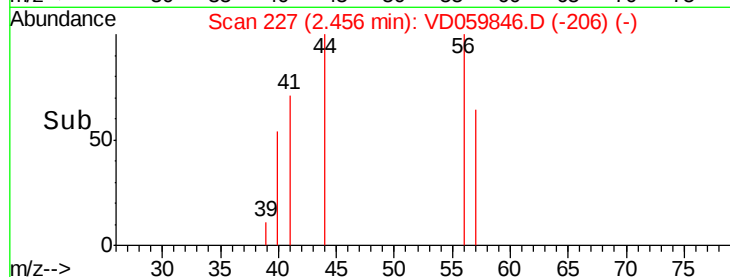
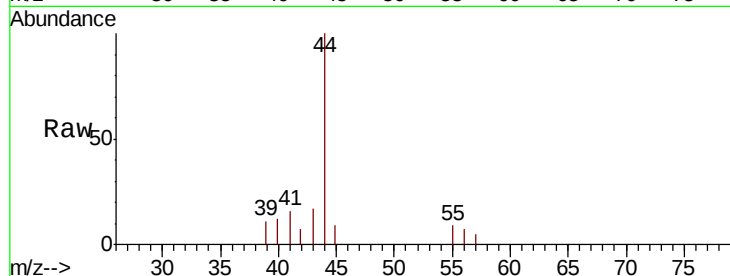
RA-081518-FL-030

Tgt Ion: 56 Resp: 1479

Ion Ratio Lower Upper

56 100

55 123.6 60.4 90.6#



#16

Acetone

Concen: 6.225 ug/l

RT: 2.57 min Scan# 239

Delta R.T. -0.01 min

Lab File: VD059846.D

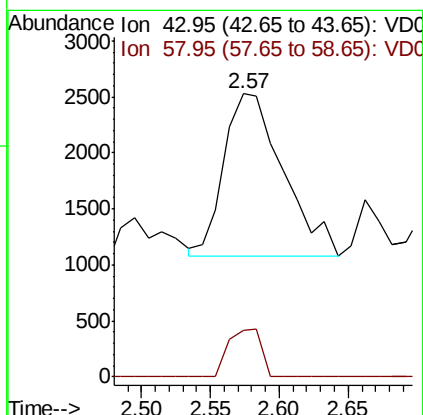
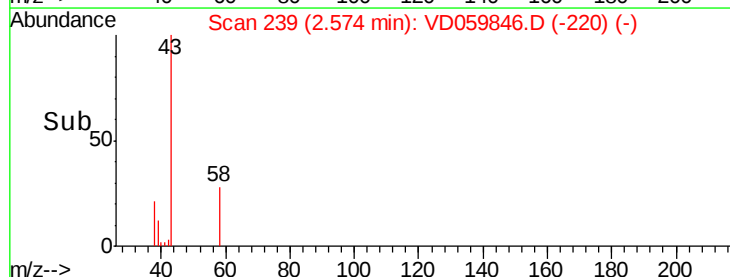
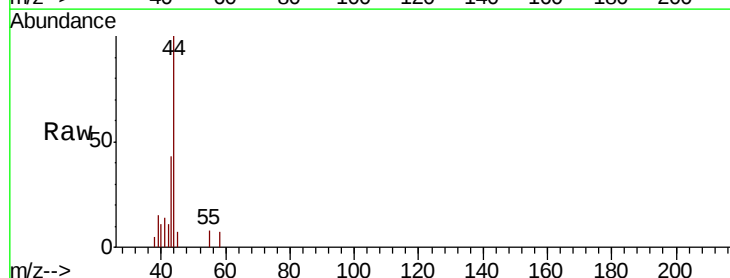
Acq: 20 Aug 2018 22:29

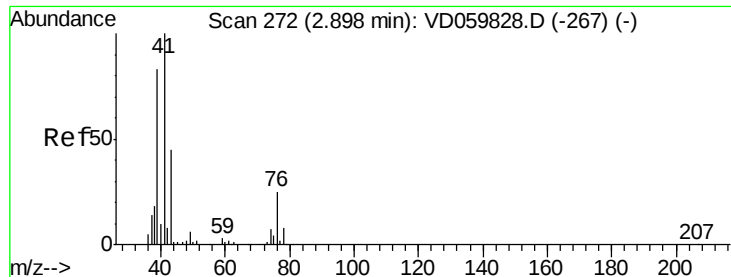
Tgt Ion: 43 Resp: 4325

Ion Ratio Lower Upper

43 100

58 16.3 16.2 24.2

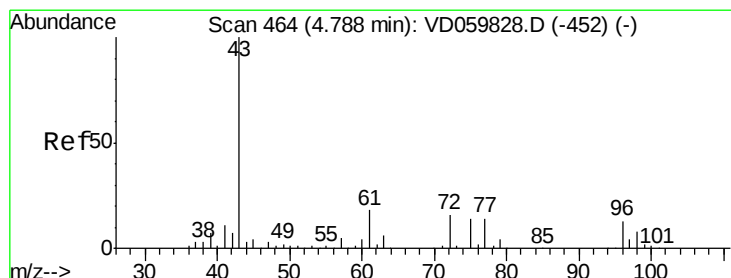
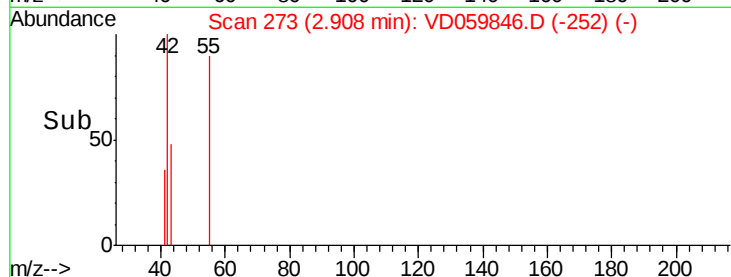
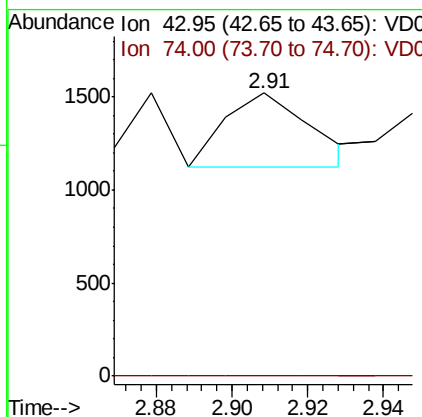
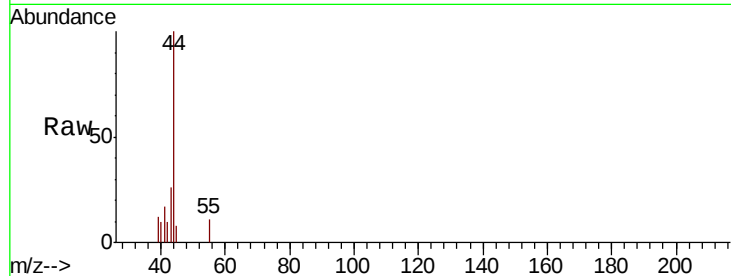




#18
Methyl Acetate
Concen: Below Cal
RT: 2.91 min Scan# 273
Delta R.T. 0.01 min
Lab File: VD059846.D
Acq: 20 Aug 2018 22:29

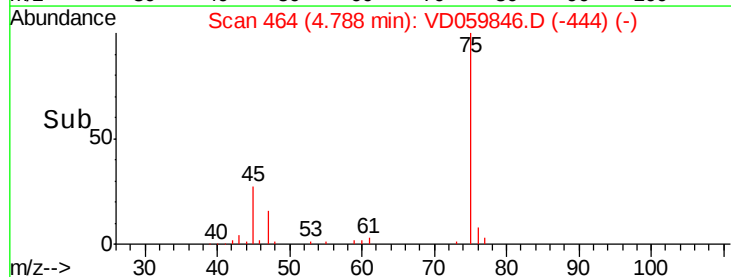
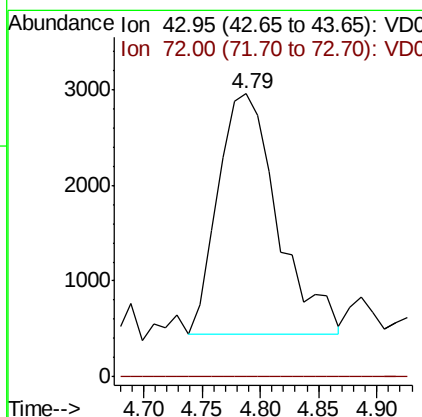
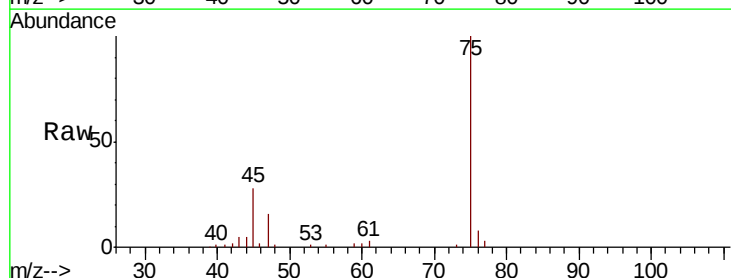
Instrument :
MSVOA_D
ClientSampleId :
RA-081518-FL-030

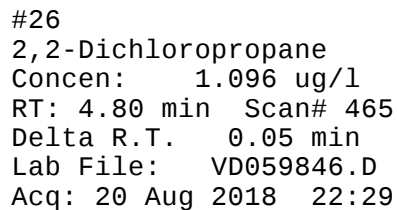
Tgt Ion: 43 Resp: 611
Ion Ratio Lower Upper
43 100
74 0.0 11.4 17.0#



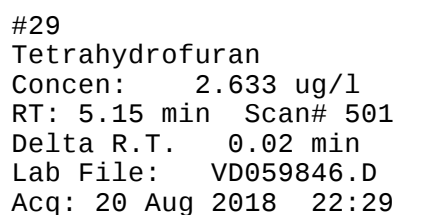
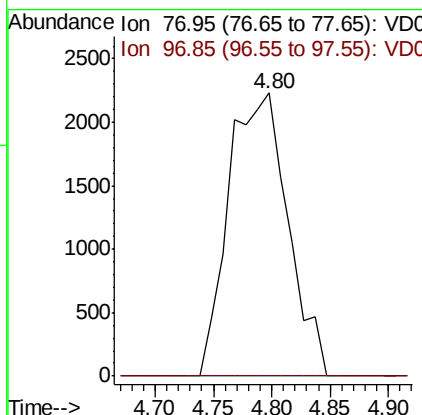
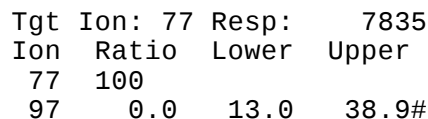
#25
2-Butanone
Concen: 4.209 ug/l
RT: 4.79 min Scan# 464
Delta R.T. 0.00 min
Lab File: VD059846.D
Acq: 20 Aug 2018 22:29

Tgt Ion: 43 Resp: 8839
Ion Ratio Lower Upper
43 100
72 0.0 12.4 18.6#

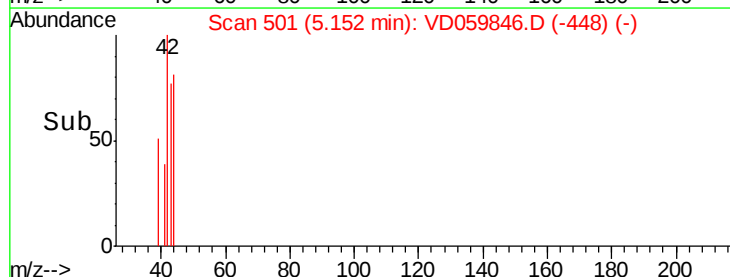
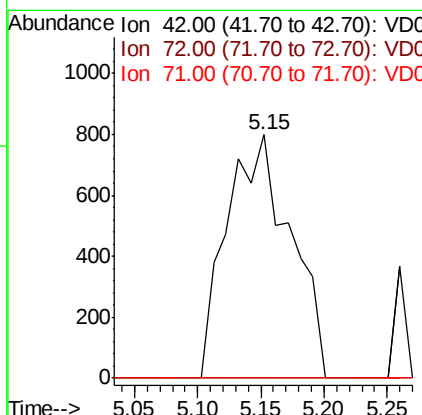


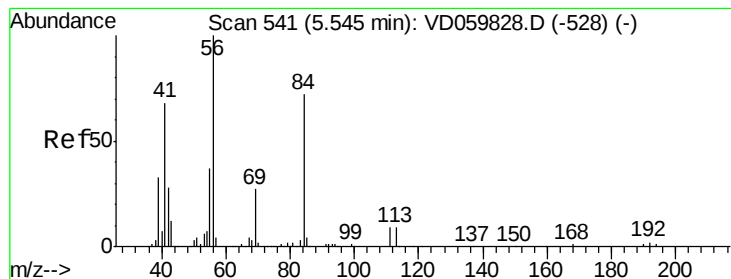


Instrument :
MSVOA_D
ClientSampleId :
RA-081518-FL-030



Tgt	Ion: 42	Resp:	2800
Ion	Ratio	Lower	Upper
42	100		
72	0.0	25.8	38.6#
71	0.0	25.7	38.5#





#31

Cyclohexane

Concen: Below Cal

RT: 5.59 min Scan# 546

Delta R.T. 0.05 min

Lab File: VD059846.D

Acq: 20 Aug 2018 22:29

Instrument :

MSVOA_D

ClientSampleId :

RA-081518-FL-030

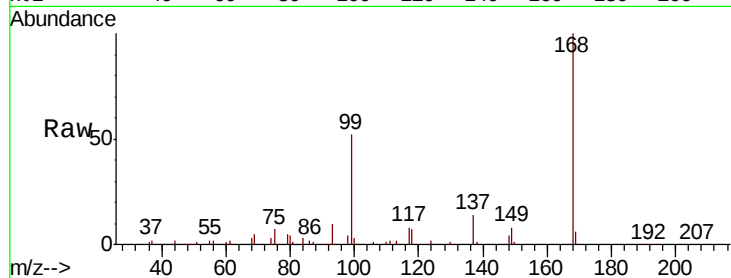
Tgt Ion: 56 Resp: 10756

Ion Ratio Lower Upper

56 100

69 212.4 21.7 32.5#

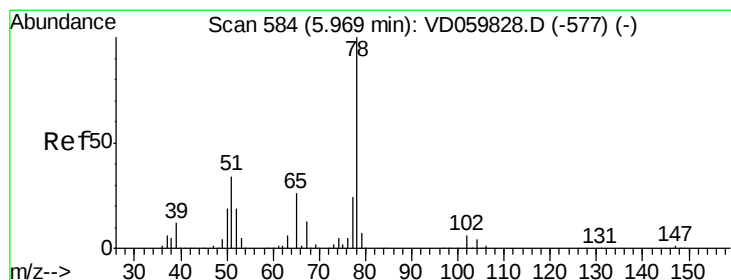
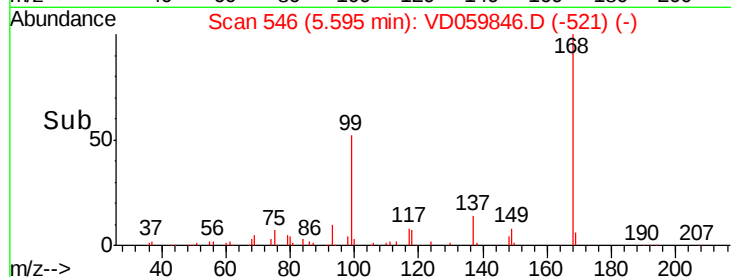
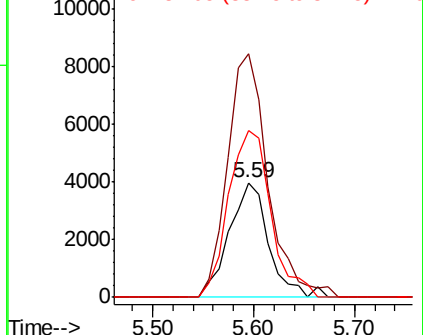
84 145.7 57.8 86.6#



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: VD059846.D

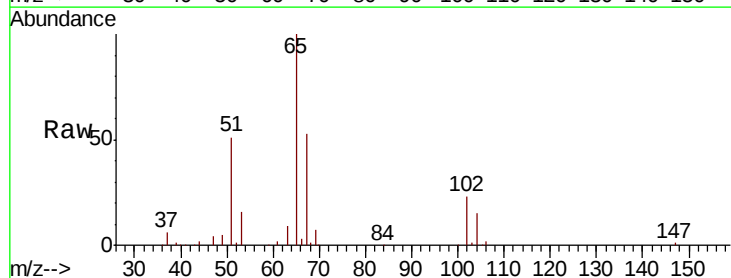
Acq: 20 Aug 2018 22:29

Tgt Ion: 65 Resp: 334718

Ion Ratio Lower Upper

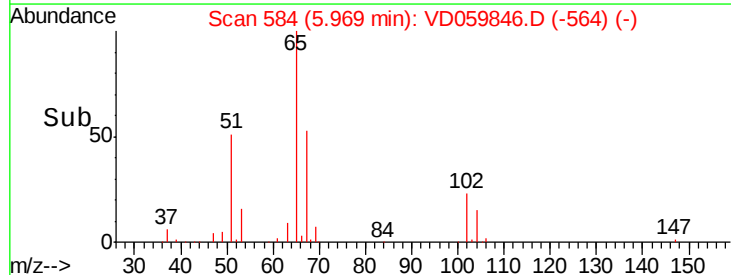
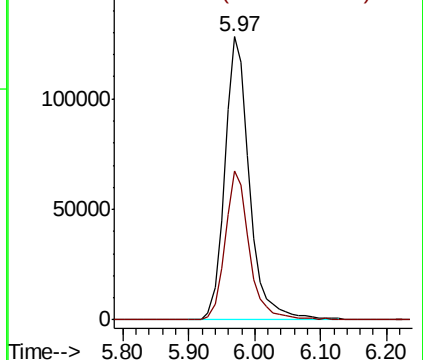
65 100

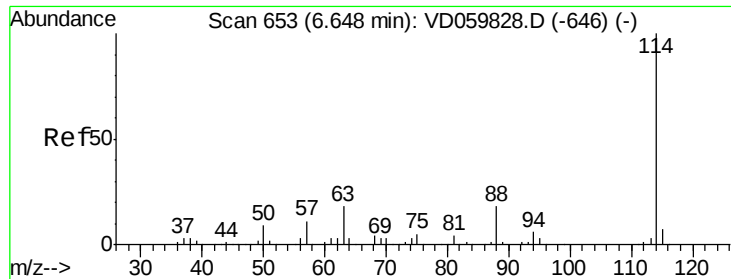
67 52.6 0.0 102.4



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC

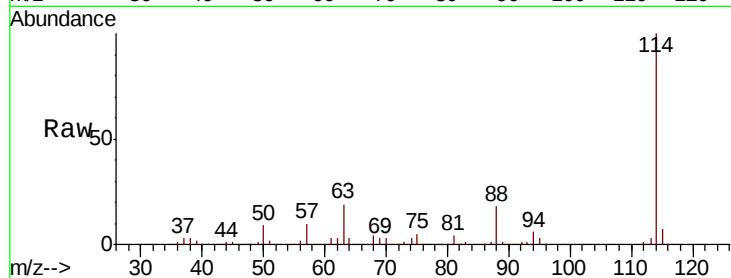




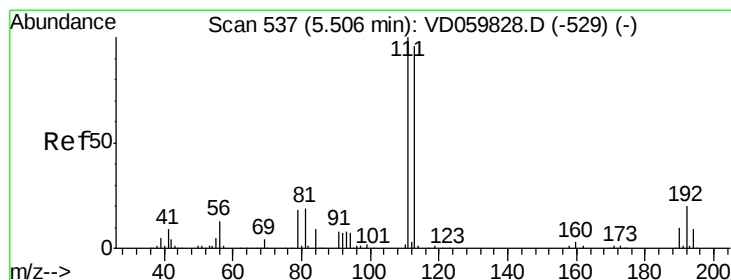
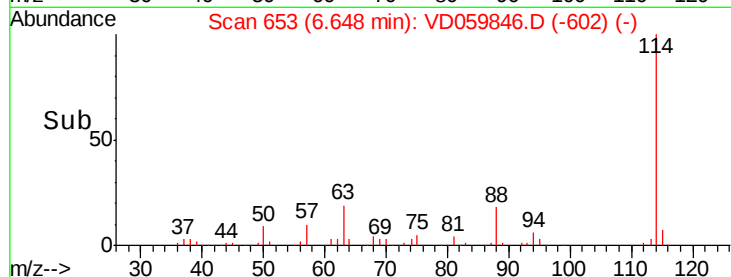
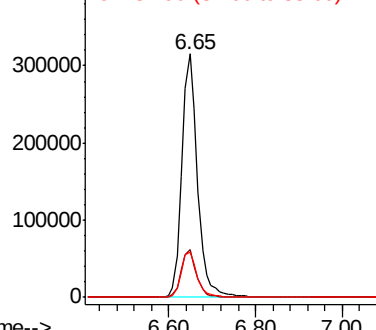
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.65 min Scan# 653
 Delta R.T. 0.00 min
 Lab File: VD059846.D
 Acq: 20 Aug 2018 22:29

Instrument :
 MSVOA_D
 ClientSampleId :
 RA-081518-FL-030

Tgt Ion:114 Resp: 793111
 Ion Ratio Lower Upper
 114 100
 63 19.4 0.0 37.0
 88 18.4 0.0 37.0

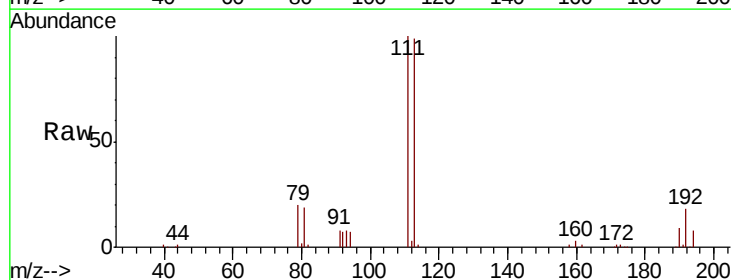


Abundance Ion 114.00 (113.70 to 114.70): V
 Ion 62.95 (62.65 to 63.65): VD
 Ion 87.90 (87.60 to 88.60): VD

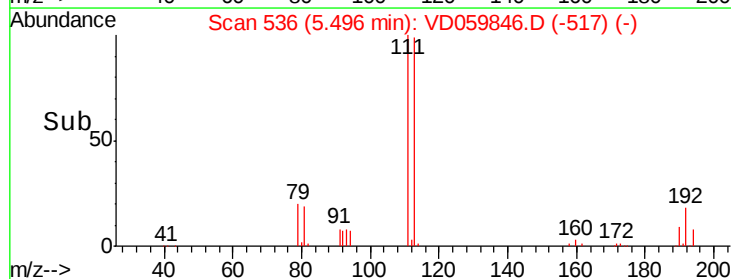
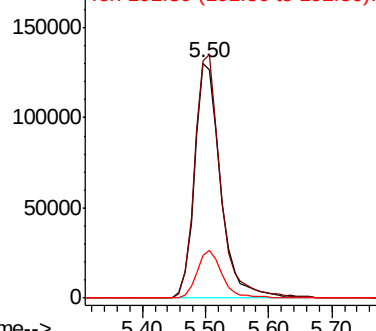


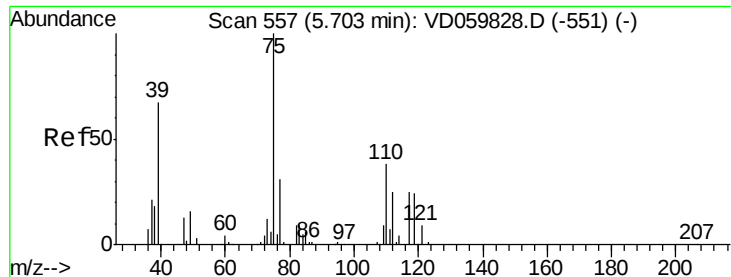
#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 5.50 min Scan# 536
 Delta R.T. -0.01 min
 Lab File: VD059846.D
 Acq: 20 Aug 2018 22:29

Tgt Ion:113 Resp: 371840
 Ion Ratio Lower Upper
 113 100
 111 101.1 83.3 124.9
 192 18.0 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: 5.439 ug/l

RT: 5.59 min Scan# 546

Delta R.T. -0.11 min

Lab File: VD059846.D

Acq: 20 Aug 2018 22:29

Instrument :

MSVOA_D

ClientSampleId :

RA-081518-FL-030

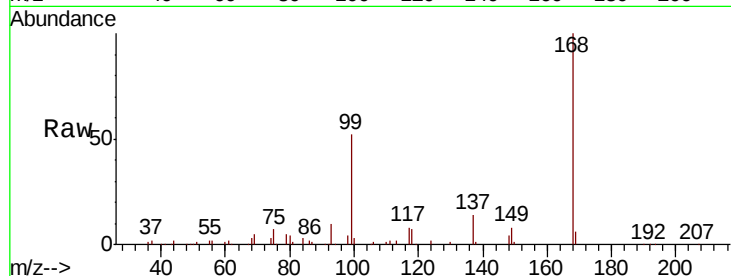
Tgt Ion: 75 Resp: 36587

Ion Ratio Lower Upper

75 100

110 8.5 18.8 56.4#

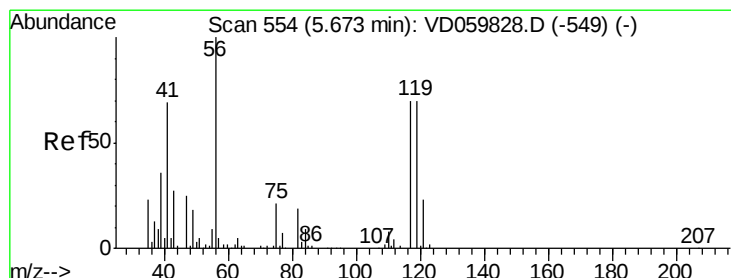
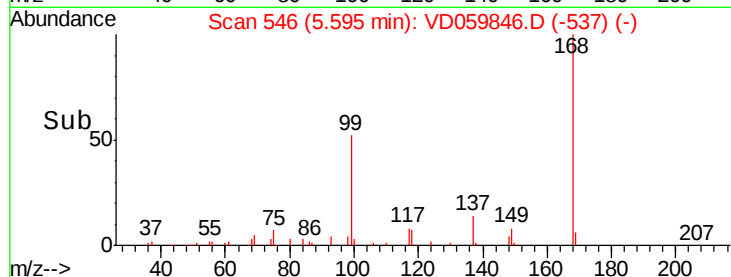
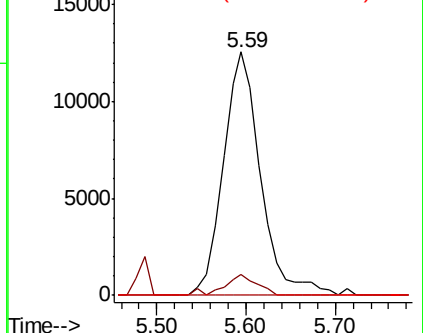
77 0.0 24.9 37.3#



Abundance Ion 75.00 (74.70 to 75.70): VD0

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): VD0



#38

Carbon Tetrachloride

Concen: 6.214 ug/l

RT: 5.59 min Scan# 546

Delta R.T. -0.08 min

Lab File: VD059846.D

Acq: 20 Aug 2018 22:29

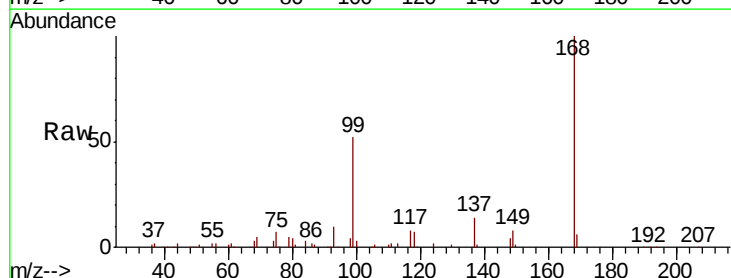
Tgt Ion: 117 Resp: 41718

Ion Ratio Lower Upper

117 100

119 4.4 77.0 115.4#

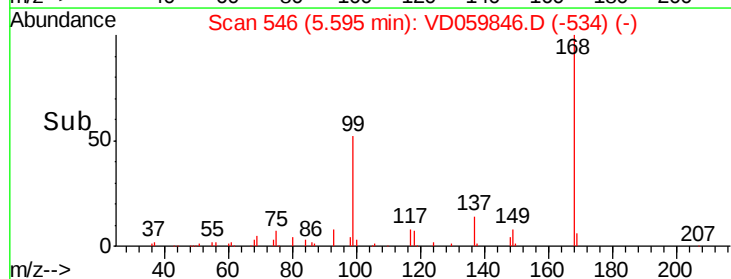
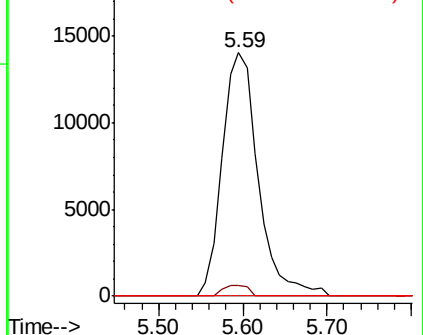
121 0.0 24.7 37.1#

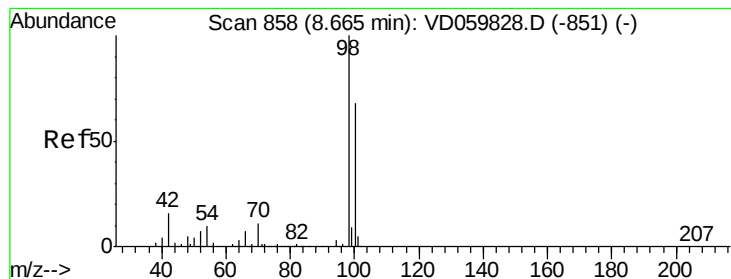


Abundance Ion 116.85 (116.55 to 117.55): V

Ion 118.85 (118.55 to 119.55): V

Ion 120.85 (120.55 to 121.55): V





#50

Toluene-d8

Concen: N.D. ug/l

RT: 8.67 min Scan# 858

Delta R.T. 0.00 min

Lab File: VD059846.D

Acq: 20 Aug 2018 22:29

Instrument :

MSVOA_D

ClientSampleId :

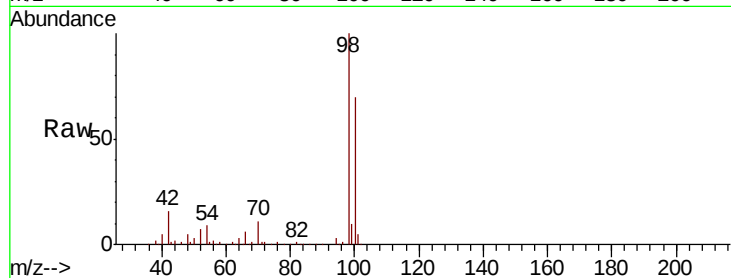
RA-081518-FL-030

Tgt Ion: 98 Resp: 836333

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

8.67

400000

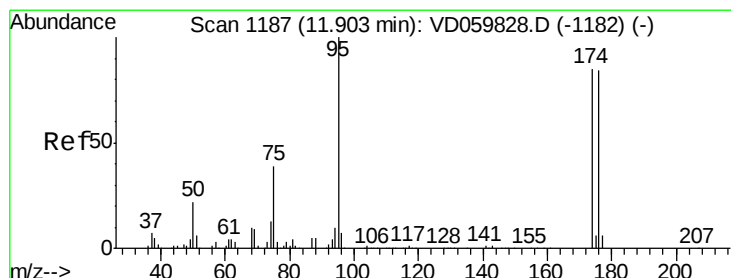
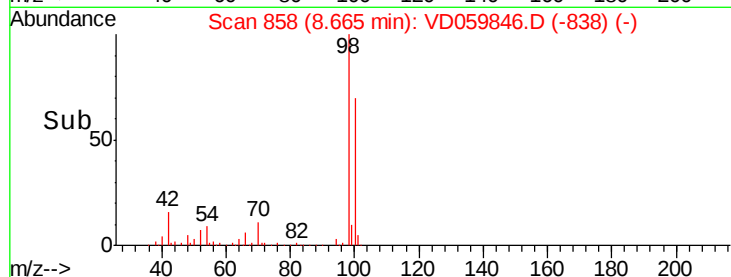
300000

200000

100000

0

Time--> 8.50 8.60 8.70 8.80 8.90



#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 11.90 min Scan# 1187

Delta R.T. 0.00 min

Lab File: VD059846.D

Acq: 20 Aug 2018 22:29

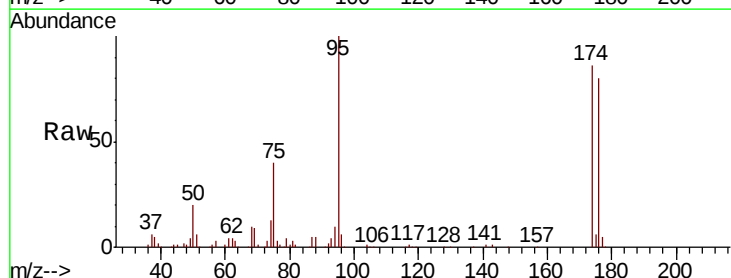
Tgt Ion: 95 Resp: 309394

Ion Ratio Lower Upper

95 100

174 85.5 0.0 169.2

176 80.4 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

11.90

300000

250000

200000

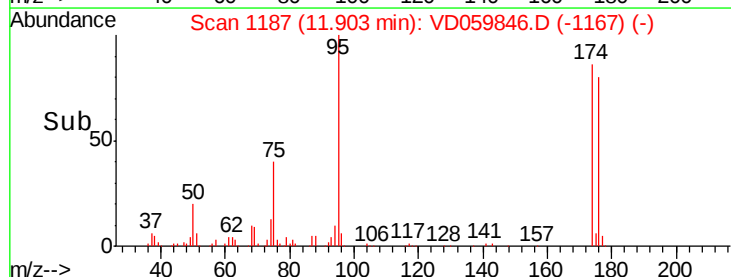
150000

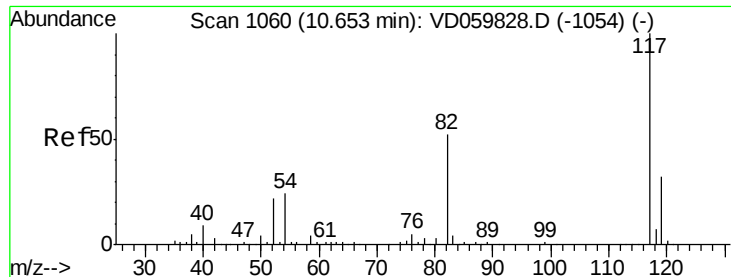
100000

50000

0

Time--> 11.80 11.90 12.00

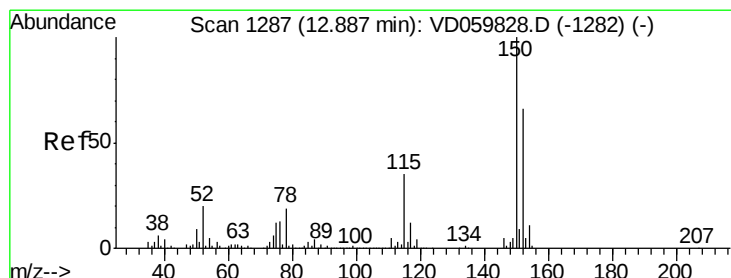
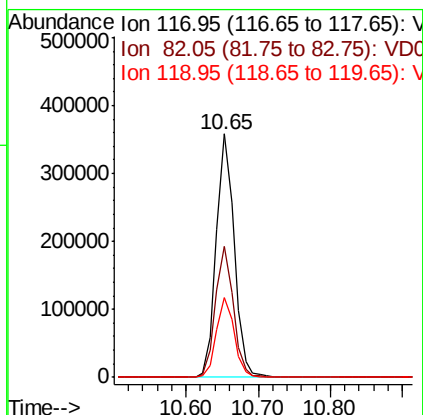
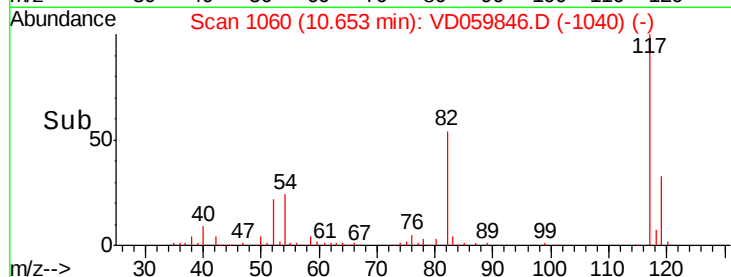
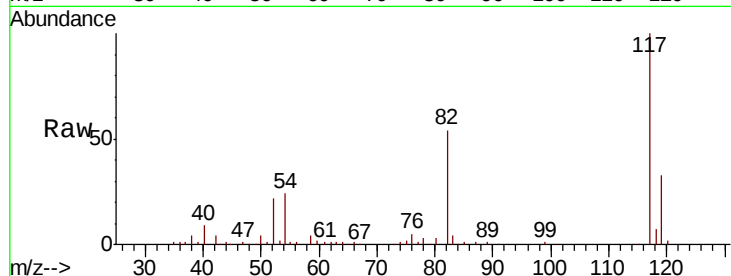




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.65 min Scan# 1060
Delta R.T. 0.00 min
Lab File: VD059846.D
Acq: 20 Aug 2018 22:29

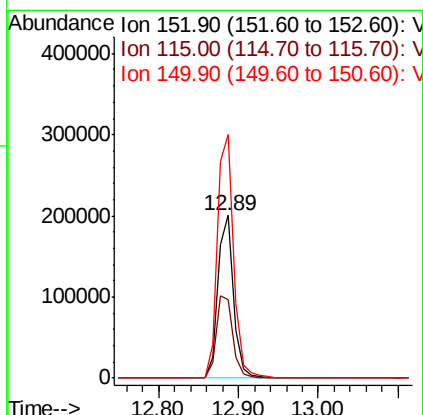
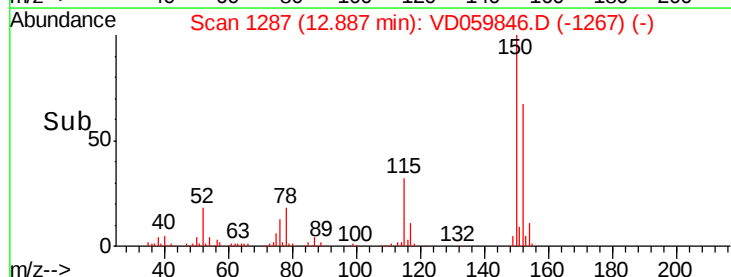
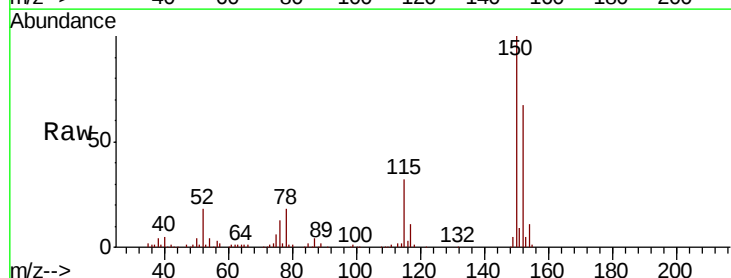
Instrument :
MSVOA_D
ClientSampleId :
RA-081518-FL-030

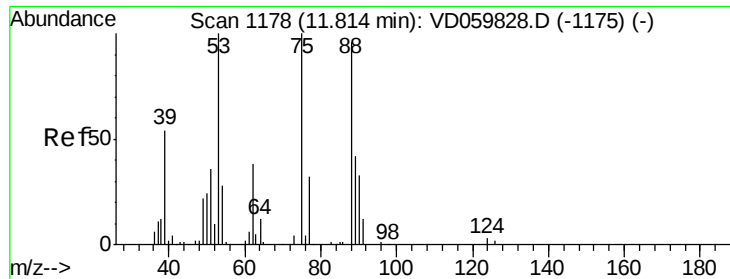
Tgt Ion:117 Resp: 614791
Ion Ratio Lower Upper
117 100
82 53.8 41.6 62.4
119 32.6 25.6 38.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.89 min Scan# 1287
Delta R.T. 0.00 min
Lab File: VD059846.D
Acq: 20 Aug 2018 22:29

Tgt Ion:152 Resp: 278851
Ion Ratio Lower Upper
152 100
115 48.6 26.9 80.6
150 149.8 0.0 306.8





#81

trans-1,4-Dichloro-2-butene

Concen: 84.869 ug/l

RT: 11.90 min Scan# 1187

Delta R.T. 0.09 min

Lab File: VD059846.D

Acq: 20 Aug 2018 22:29

Instrument :

MSVOA_D

ClientSampleId :

RA-081518-FL-030

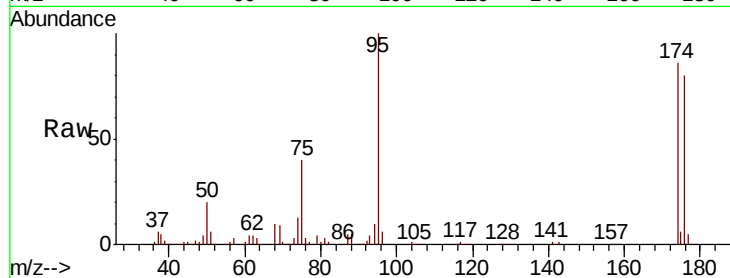
Tgt Ion: 75 Resp: 122394

Ion Ratio Lower Upper

75 100

53 0.0 80.7 121.1#

89 0.0 33.9 50.9#



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

