

Data File : VD059849.D
Acq On : 21 Aug 2018 11:56
Operator : JC/SY
Sample : VD0821SBL01
Misc : 5.00g/5ml/MSVOA_D/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VD0821SBL01

Quant Time: Aug 22 01:08:03 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	1123518	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.66	114	1568172	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.66	117	1268542	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.89	152	611002	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.98	65	479566	53.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.66%	
35) Dibromofluoromethane	5.51	113	631675	54.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.92%	
50) Toluene-d8	8.67	98	1682562	53.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.58%	
62) 4-Bromofluorobenzene	11.90	95	663513	55.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.56%	

Target Compounds

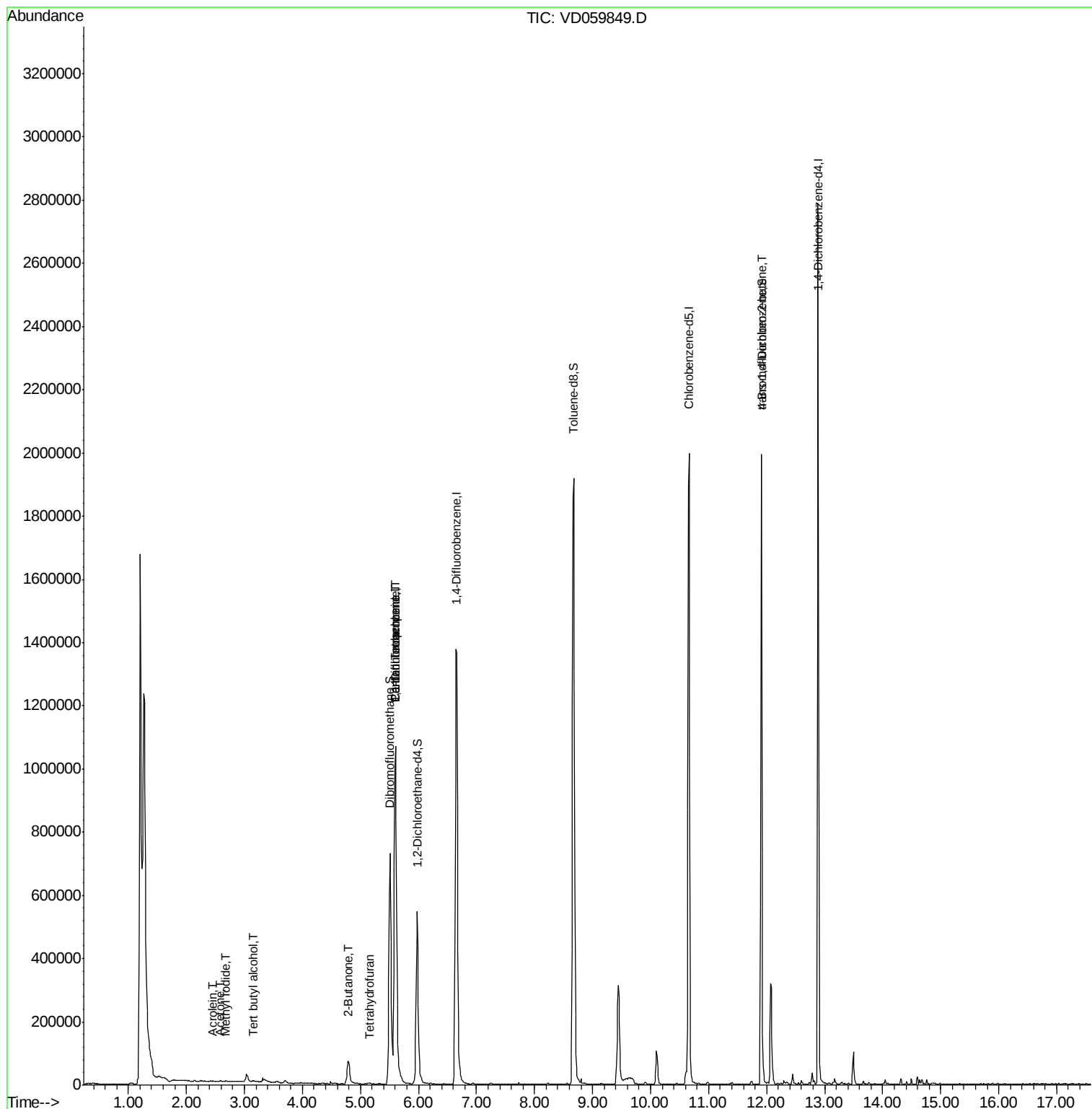
						Qvalue
10) Methyl Iodide	2.67	142	1866	1.103	ug/l #	30
11) Tert butyl alcohol	3.15	59	2252	6.775	ug/l #	51
13) Acrolein	2.44	56	2071	7.130	ug/l #	56
16) Acetone	2.58	43	5007	3.322	ug/l #	56
17) Carbon Disulfide	2.73	76	445	Below Cal	#	76
18) Methyl Acetate	2.92	43	2227	Below Cal	#	65
20) Methylene Chloride	3.04	84	10382	Below Cal		93
25) 2-Butanone	4.80	43	7728	1.696	ug/l #	63
29) Tetrahydrofuran	5.16	42	4388	1.902	ug/l #	55
31) Cyclohexane	5.59	56	25607	Below Cal	#	1
36) 1,1-Dichloropropene	5.60	75	80465	6.050	ug/l #	46
38) Carbon Tetrachloride	5.60	117	91872	6.921	ug/l #	15
67) Ethyl Benzene	10.83	91	3173	Below Cal		94
80) 1,3,5-Trimethylbenzene	12.30	105	3166	Below Cal		79
81) trans-1,4-Dichloro-2-buten	11.90	75	260536	82.450	ug/l #	10
82) 4-Chlorotoluene	12.31	91	4858	Below Cal		85
89) n-Butylbenzene	13.17	91	4526	Below Cal		96
91) 1,2-Dichlorobenzene	13.17	146	2659	Below Cal		89

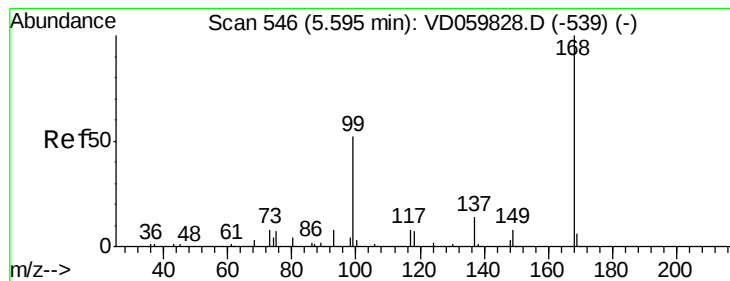
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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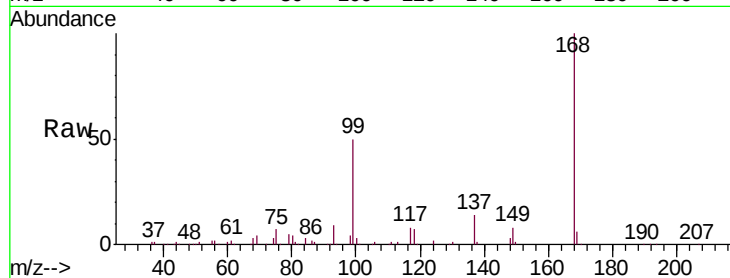


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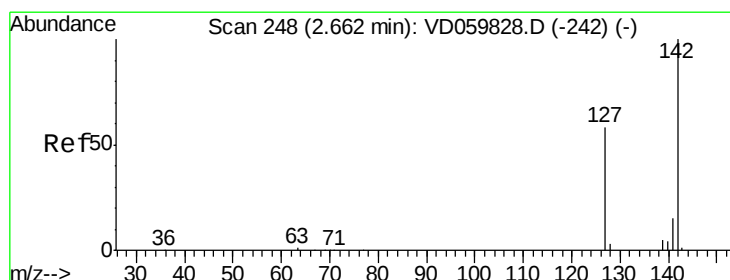
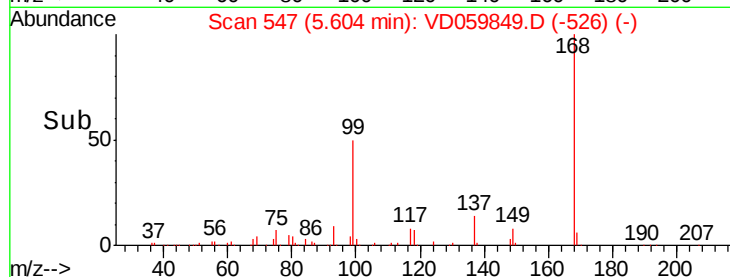
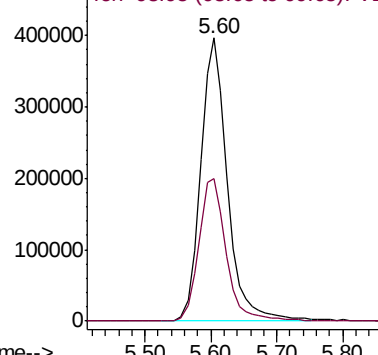
Pentafluorobenzene
 Concen: 50.000 ug/l
 RT: 5.60 min Scan# 547
 Delta R.T. 0.01 min
 Lab File: VD059849.D
 Acq: 21 Aug 2018 11:56

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0821SBL01

Tgt Ion:168 Resp: 1123518
 Ion Ratio Lower Upper
 168 100
 99 50.2 43.6 65.4



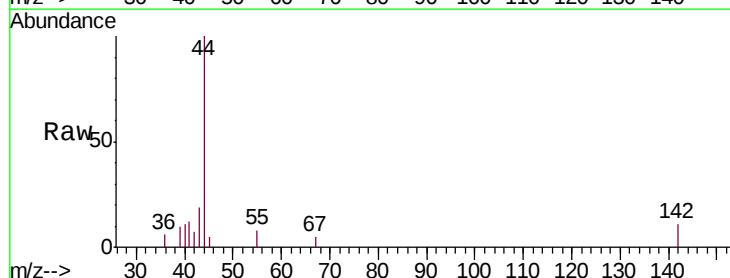
Abundance Ion 167.90 (167.60 to 168.60): V
 Ion 98.95 (98.65 to 99.65): V



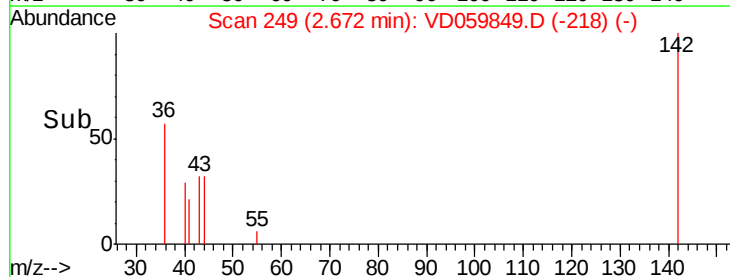
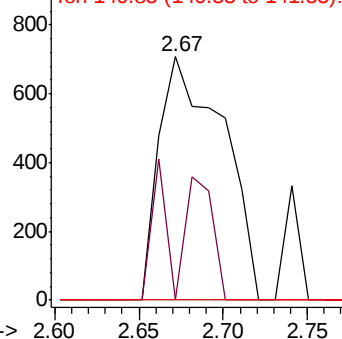
#10

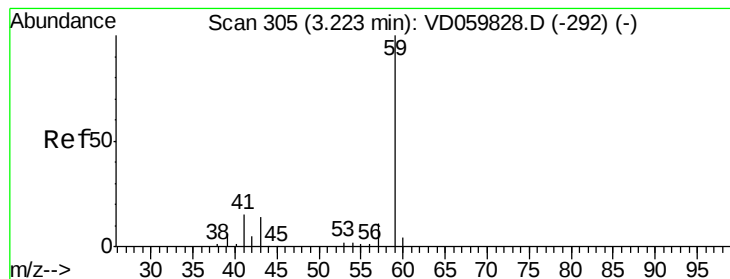
Methyl Iodide
 Concen: 1.103 ug/l
 RT: 2.67 min Scan# 249
 Delta R.T. 0.01 min
 Lab File: VD059849.D
 Acq: 21 Aug 2018 11:56

Tgt Ion:142 Resp: 1866
 Ion Ratio Lower Upper
 142 100
 127 0.0 46.6 69.8#
 141 0.0 11.7 17.5#



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



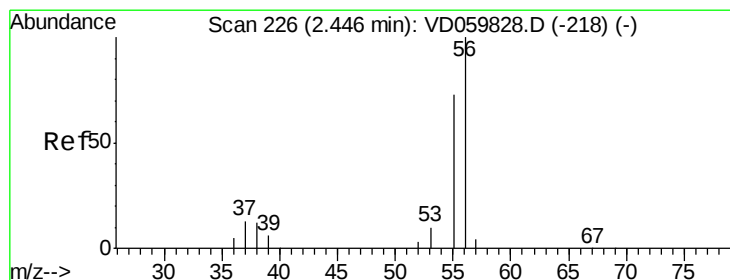
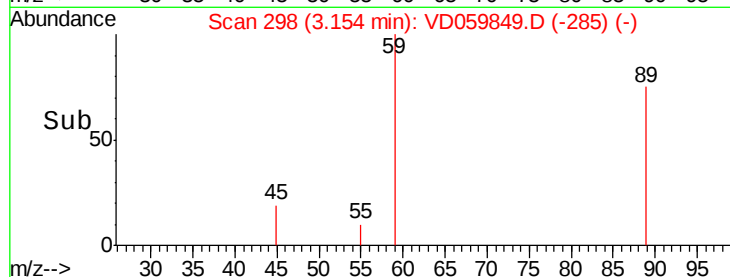
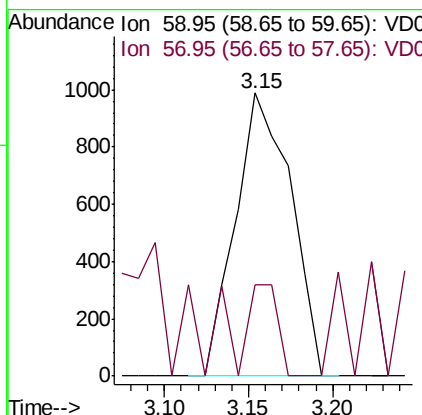
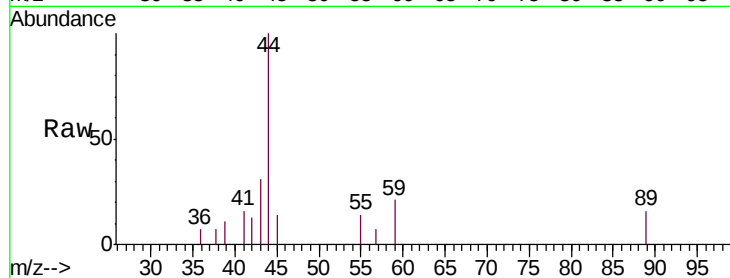


#11

Tert butyl alcohol
 Concen: 6.775 ug/l
 RT: 3.15 min Scan# 298
 Delta R.T. -0.07 min
 Lab File: VD059849.D
 Acq: 21 Aug 2018 11:56

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0821SBL01

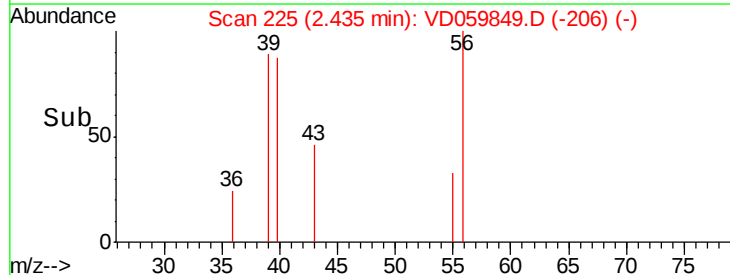
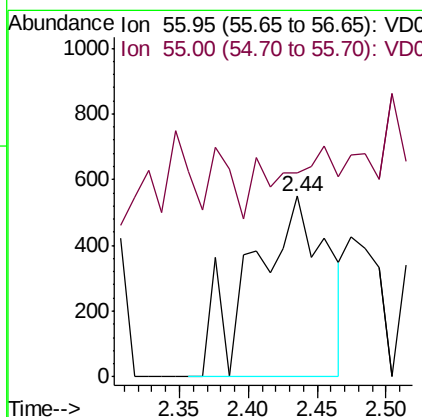
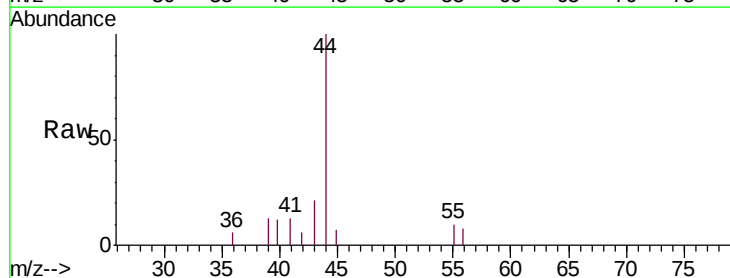
Tgt Ion: 59 Resp: 2252
 Ion Ratio Lower Upper
 59 100
 57 32.5 10.3 15.5#

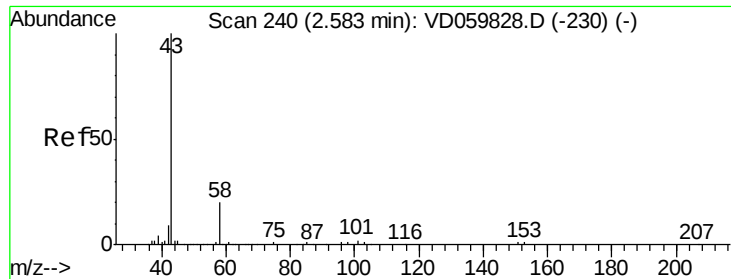


#13

Acrolein
 Concen: 7.130 ug/l
 RT: 2.44 min Scan# 225
 Delta R.T. -0.01 min
 Lab File: VD059849.D
 Acq: 21 Aug 2018 11:56

Tgt Ion: 56 Resp: 2071
 Ion Ratio Lower Upper
 56 100
 55 112.9 60.4 90.6#





#16

Acetone

Concen: 3.322 ug/l

RT: 2.58 min Scan# 240

Delta R.T. -0.00 min

Lab File: VD059849.D

Acq: 21 Aug 2018 11:56

Instrument :

MSVOA_D

ClientSampleId :

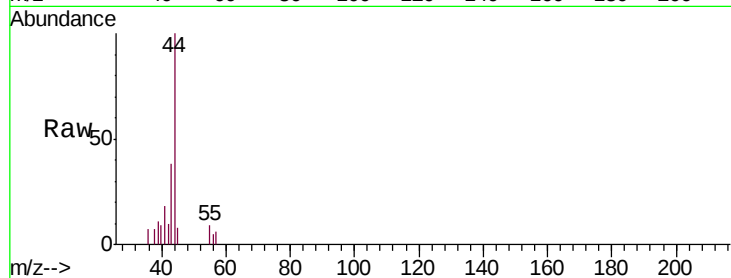
VD0821SBL01

Tgt Ion: 43 Resp: 5007

Ion Ratio Lower Upper

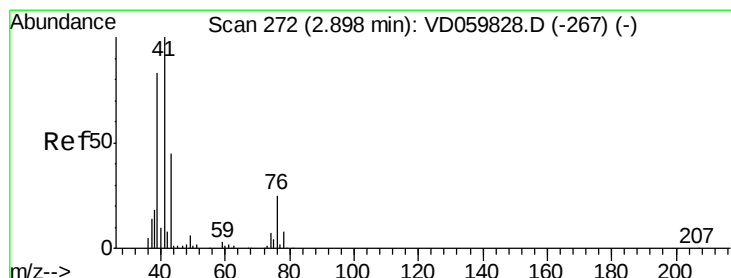
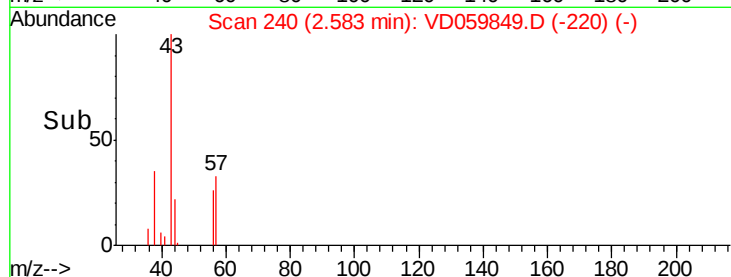
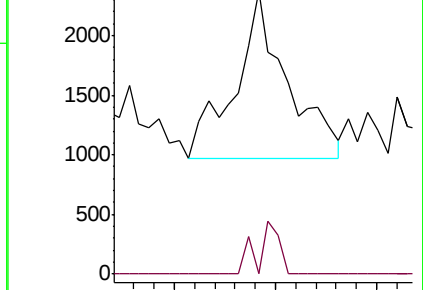
43 100

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: 2.92 min Scan# 274

Delta R.T. 0.02 min

Lab File: VD059849.D

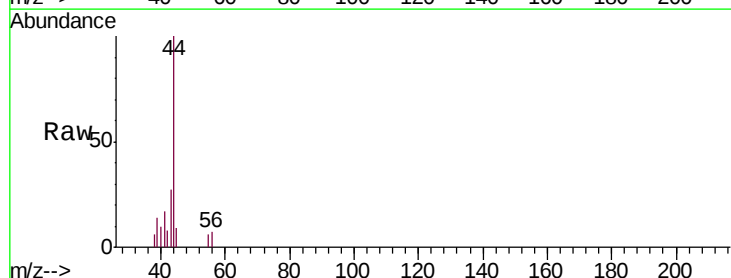
Acq: 21 Aug 2018 11:56

Tgt Ion: 43 Resp: 2227

Ion Ratio Lower Upper

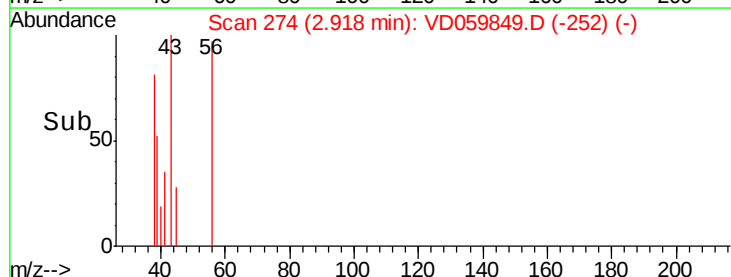
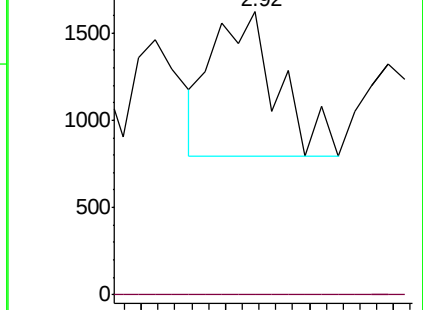
43 100

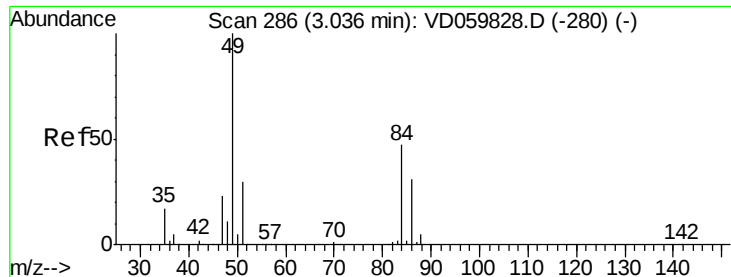
74 0.0 11.4 17.0#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC

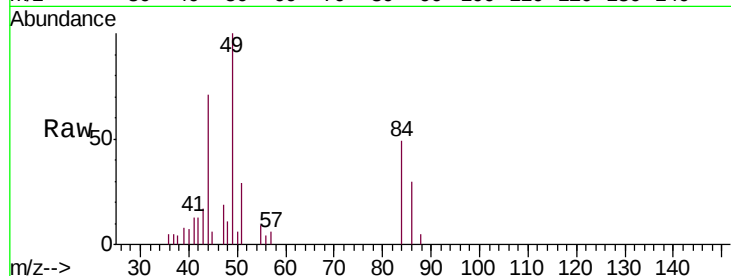




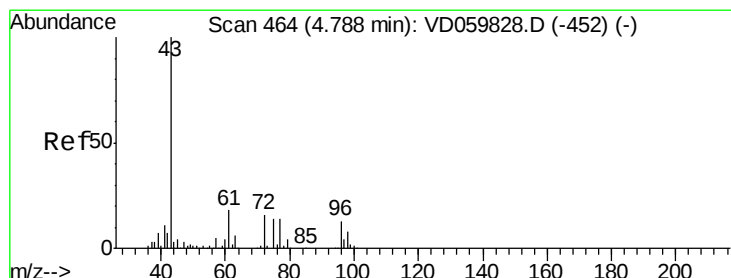
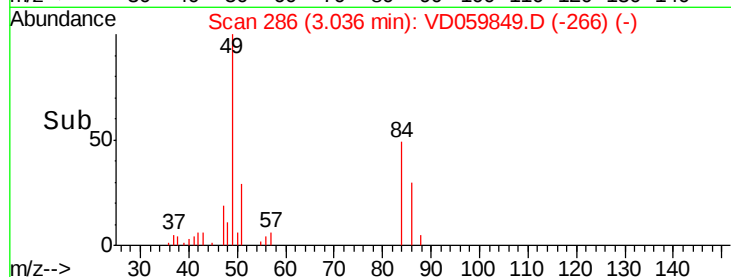
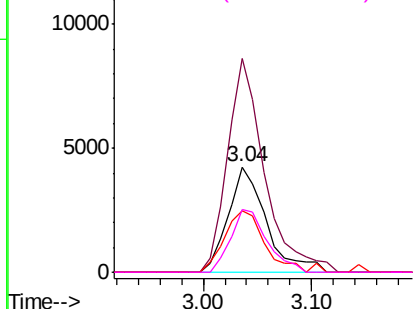
#20
Methylene Chloride
Concen: Below Cal
RT: 3.04 min Scan# 286
Delta R.T. -0.00 min
Lab File: VD059849.D
Acq: 21 Aug 2018 11:56

Instrument :
MSVOA_D
ClientSampleId :
VD0821SBL01

Tgt Ion: 84 Resp: 10382
Ion Ratio Lower Upper
84 100
49 202.7 170.4 255.6
51 57.9 51.4 77.0
86 59.8 52.4 78.6

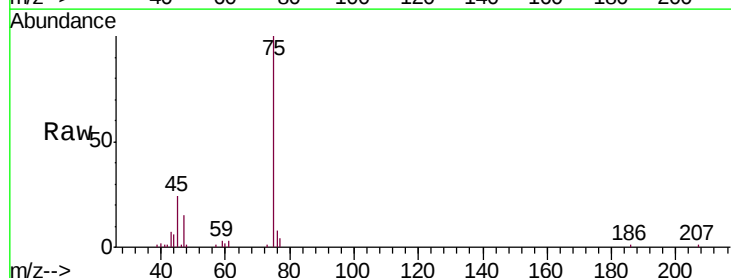


Abundance Ion 83.95 (83.65 to 84.65): VDC
Ion 48.90 (48.60 to 49.60): VDC
Ion 50.90 (50.60 to 51.60): VDC
Ion 85.90 (85.60 to 86.60): VDC

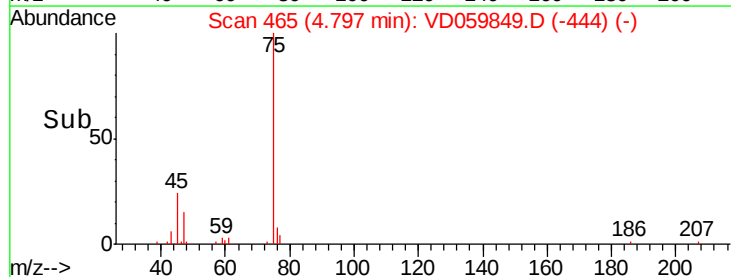
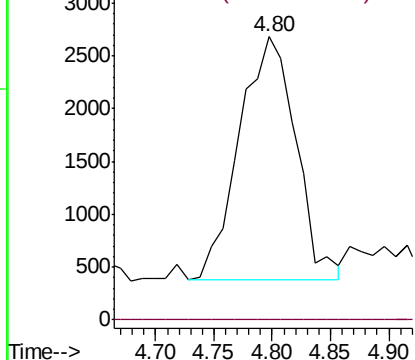


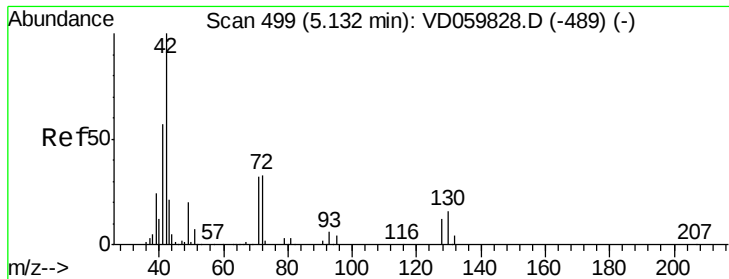
#25
2-Butanone
Concen: 1.696 ug/l
RT: 4.80 min Scan# 465
Delta R.T. 0.01 min
Lab File: VD059849.D
Acq: 21 Aug 2018 11:56

Tgt Ion: 43 Resp: 7728
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: 1.902 ug/l

RT: 5.16 min Scan# 502

Delta R.T. 0.03 min

Lab File: VD059849.D

Acq: 21 Aug 2018 11:56

Instrument :

MSVOA_D

ClientSampleId :

VD0821SBL01

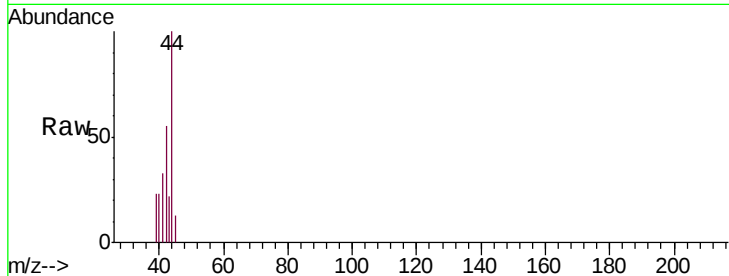
Tgt Ion: 42 Resp: 4388

Ion Ratio Lower Upper

42 100

72 8.9 25.8 38.6#

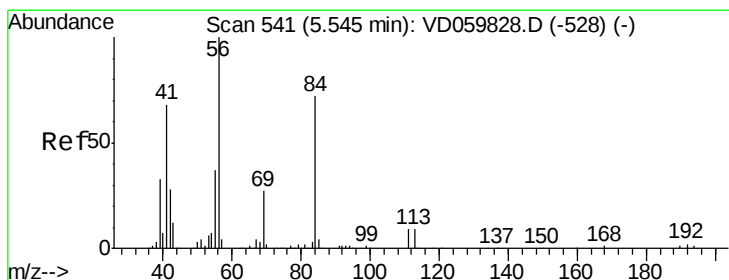
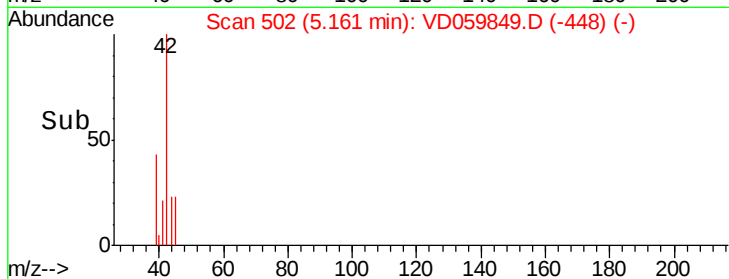
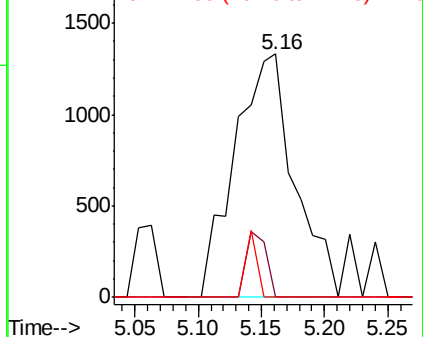
71 4.9 25.7 38.5#



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: 5.59 min Scan# 546

Delta R.T. 0.05 min

Lab File: VD059849.D

Acq: 21 Aug 2018 11:56

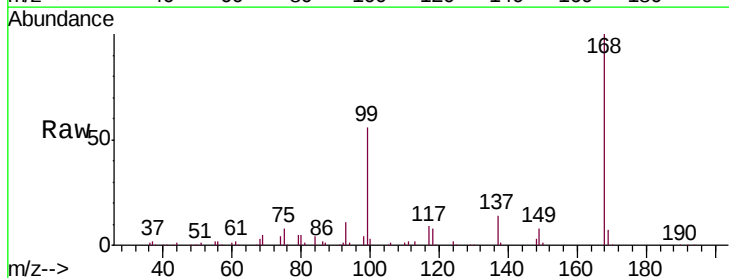
Tgt Ion: 56 Resp: 25607

Ion Ratio Lower Upper

56 100

69 203.7 21.7 32.5#

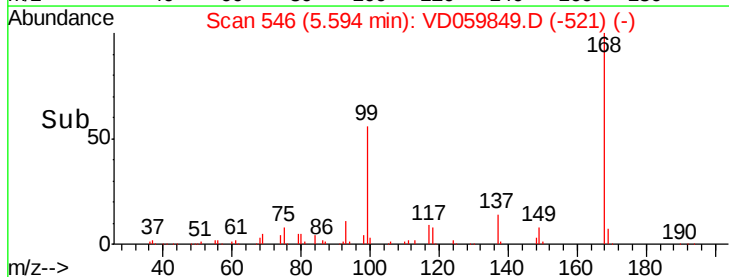
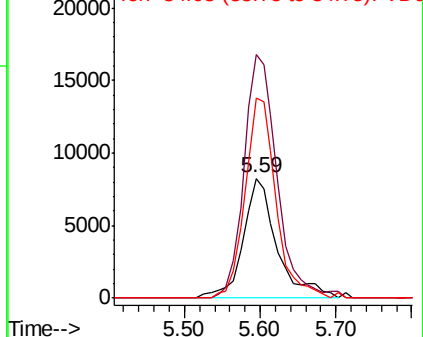
84 167.2 57.8 86.6#

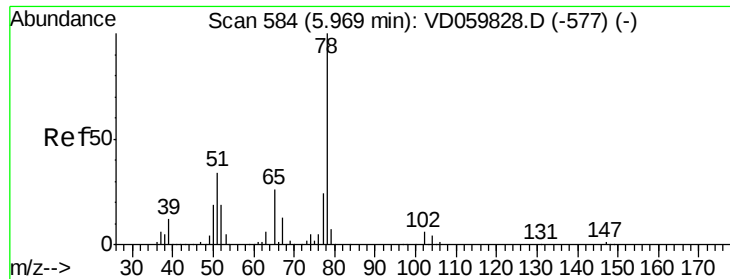


Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 69.00 (68.70 to 69.70): VDC

Ion 84.05 (83.75 to 84.75): VDC





#33

1,2-Dichloroethane-d4

Concen: N.D. ug/l

RT: 5.98 min Scan# 585

Delta R.T. 0.01 min

Lab File: VD059849.D

Acq: 21 Aug 2018 11:56

Instrument :

MSVOA_D

ClientSampleId :

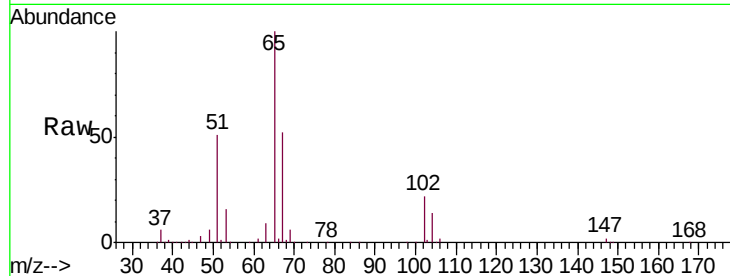
VD0821SBL01

Tgt Ion: 65 Resp: 479566

Ion Ratio Lower Upper

65 100

67 51.9 0.0 102.4



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC

5.98

200000

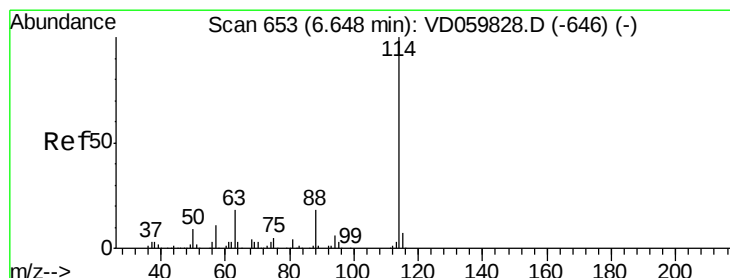
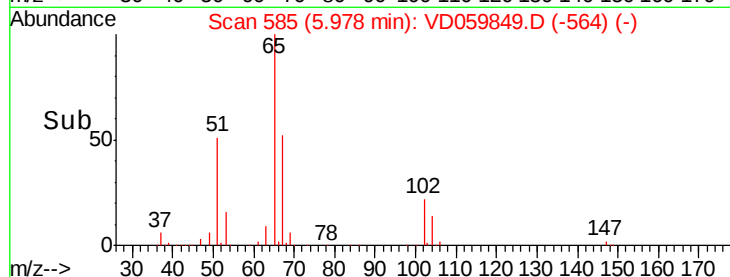
150000

100000

50000

0

Time--> 5.80 5.90 6.00 6.10 6.20



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.66 min Scan# 654

Delta R.T. 0.01 min

Lab File: VD059849.D

Acq: 21 Aug 2018 11:56

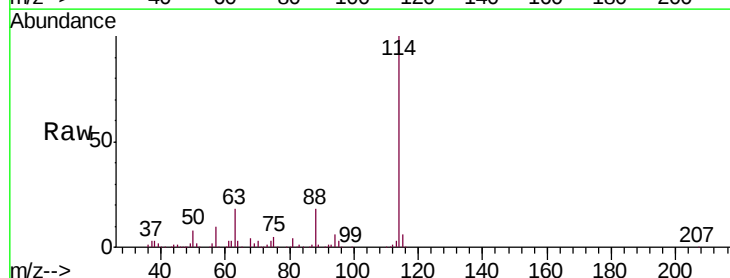
Tgt Ion: 114 Resp: 1568172

Ion Ratio Lower Upper

114 100

63 17.9 0.0 37.0

88 17.8 0.0 37.0



Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC

800000

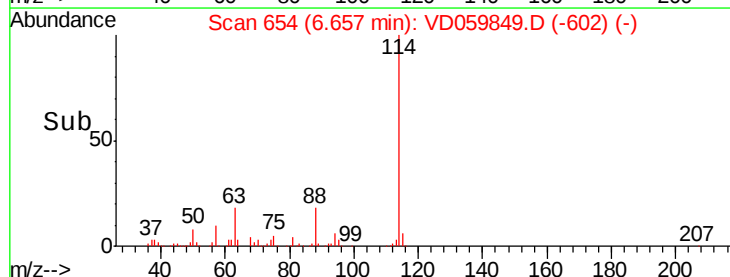
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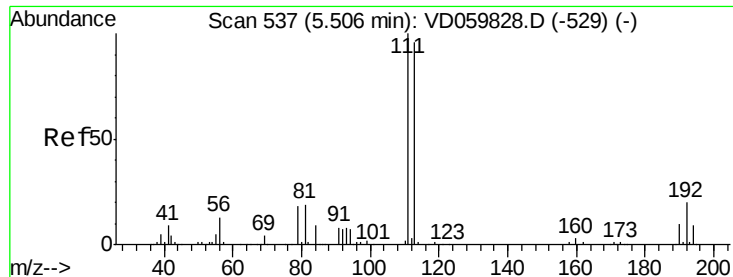
400000

200000

0

Time--> 6.40 6.60 6.80 7.00

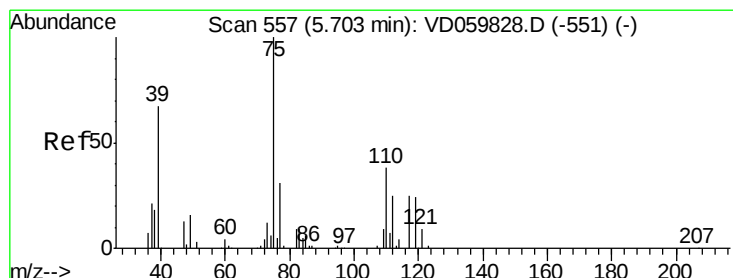
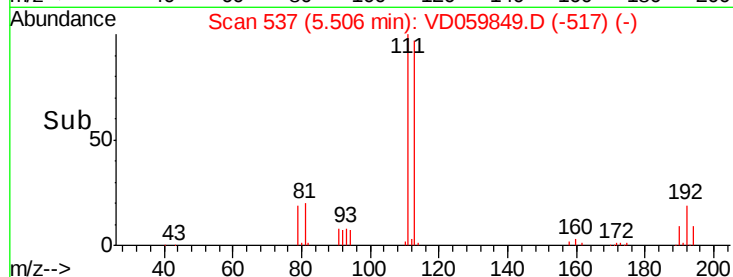
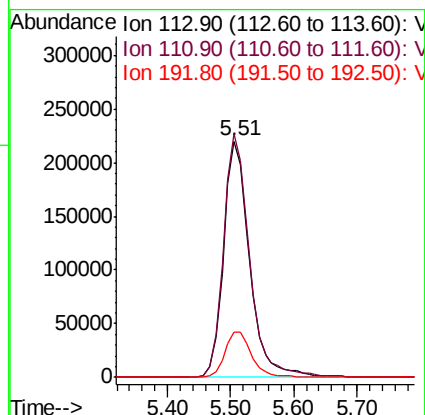
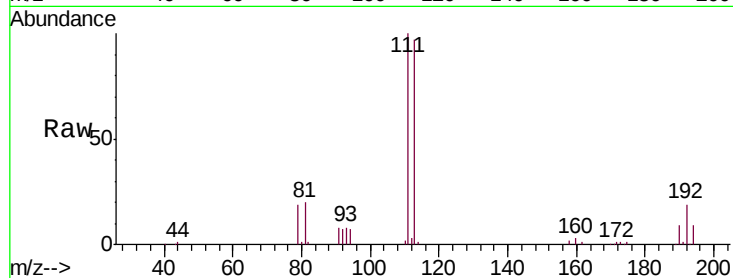




#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 5.51 min Scan# 537
 Delta R.T. -0.00 min
 Lab File: VD059849.D
 Acq: 21 Aug 2018 11:56

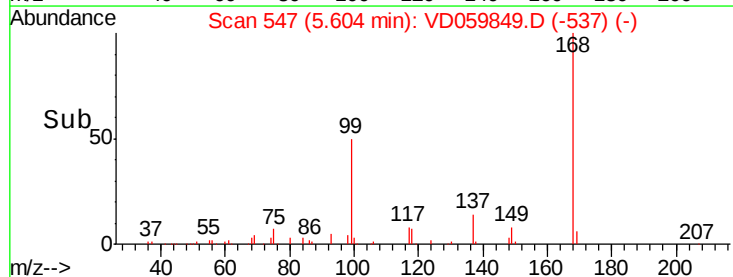
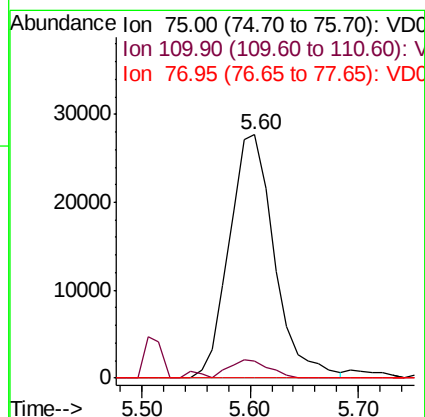
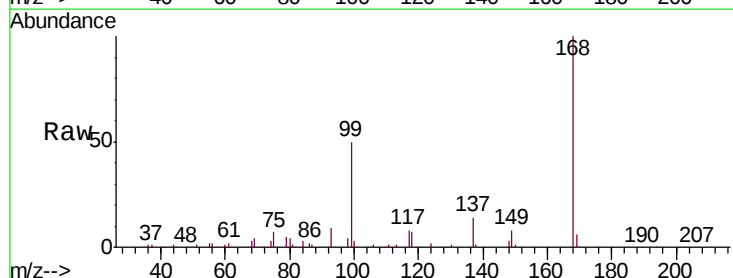
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0821SBL01

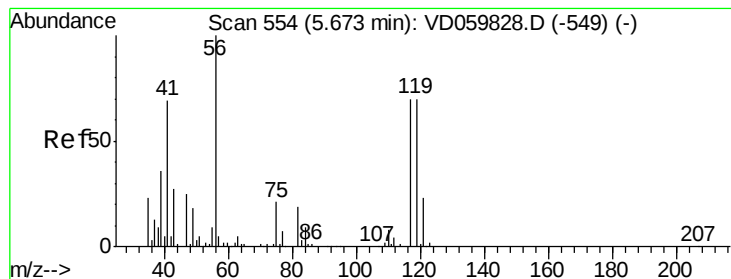
Tgt Ion	Ratio	Lower	Upper
113	100		
111	103.0	83.3	124.9
192	19.2	16.8	25.2



#36
 1,1-Dichloropropene
 Concen: 6.050 ug/l
 RT: 5.60 min Scan# 547
 Delta R.T. -0.10 min
 Lab File: VD059849.D
 Acq: 21 Aug 2018 11:56

Tgt Ion	Ratio	Lower	Upper
75	100		
110	6.9	18.8	56.4#
77	0.0	24.9	37.3#





#38

Carbon Tetrachloride

Concen: 6.921 ug/l

RT: 5.60 min Scan# 547

Delta R.T. -0.07 min

Lab File: VD059849.D

Acq: 21 Aug 2018 11:56

Instrument :

MSVOA_D

ClientSampleId :

VD0821SBL01

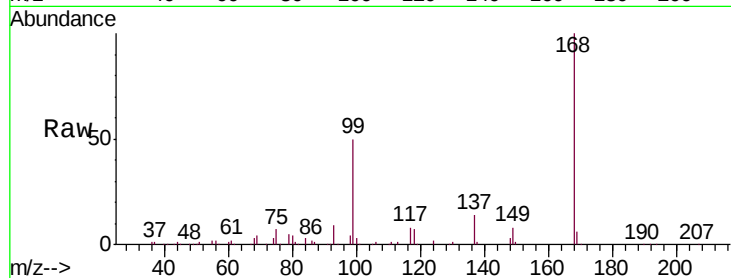
Tgt Ion:117 Resp: 91872

Ion Ratio Lower Upper

117 100

119 4.3 77.0 115.4#

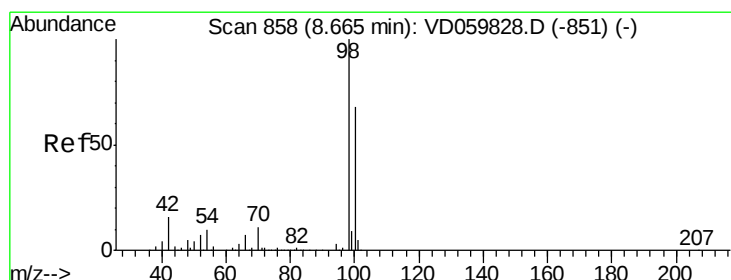
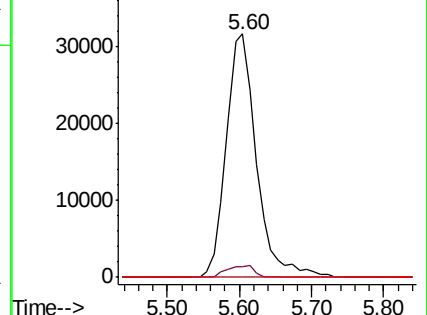
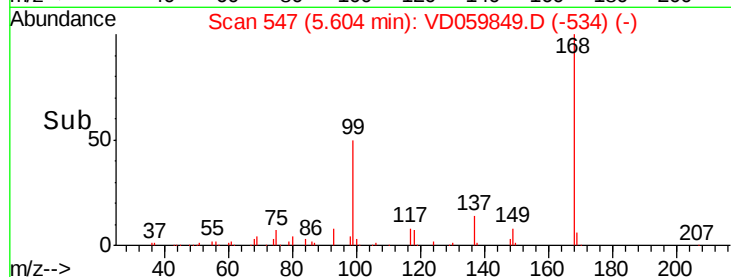
121 0.0 24.7 37.1#



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# 859

Delta R.T. 0.01 min

Lab File: VD059849.D

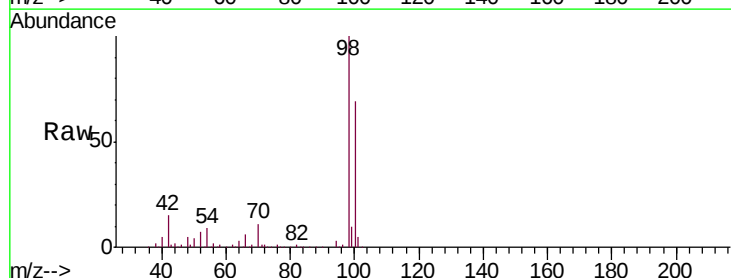
Acq: 21 Aug 2018 11:56

Tgt Ion: 98 Resp: 1682562

Ion Ratio Lower Upper

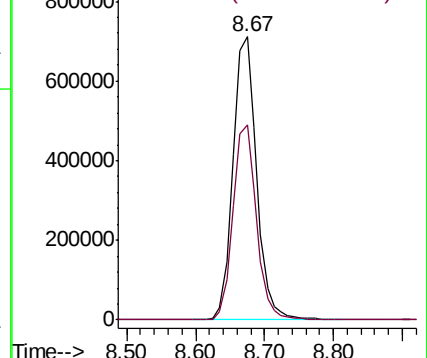
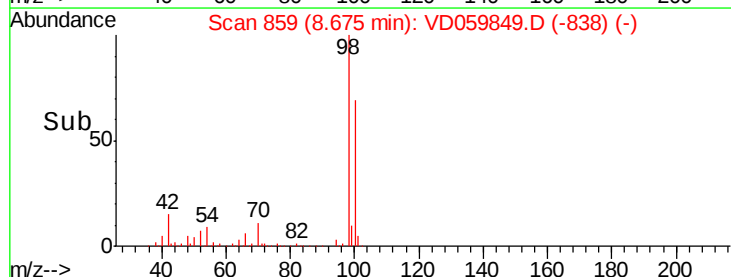
98 100

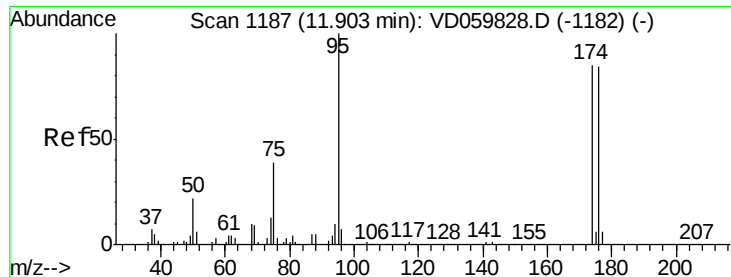
100 68.9 55.0 82.4



Abundance Ion 98.05 (97.75 to 98.75): V

Ion 100.05 (99.75 to 100.75): V





#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 11.90 min Scan# 1187

Delta R.T. -0.00 min

Lab File: VD059849.D

Acq: 21 Aug 2018 11:56

Instrument :

MSVOA_D

ClientSampleId :

VD0821SBL01

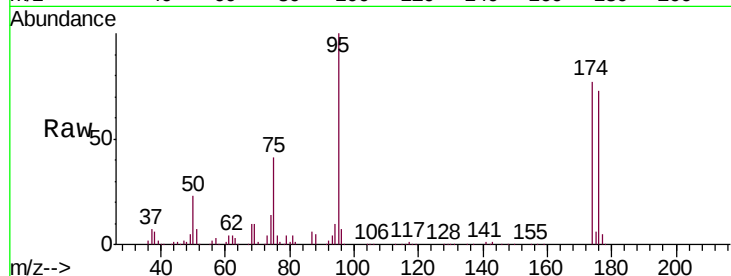
Tgt Ion: 95 Resp: 663513

Ion Ratio Lower Upper

95 100

174 77.5 0.0 169.2

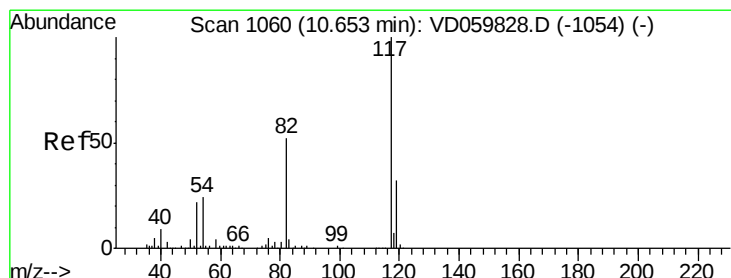
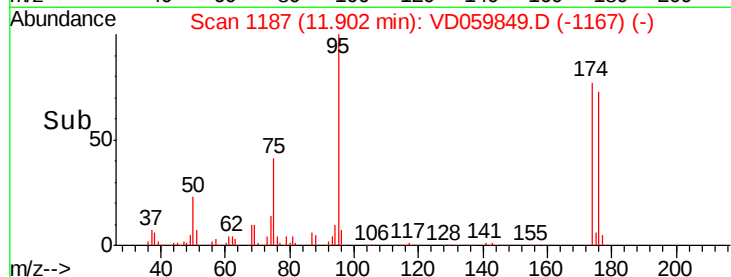
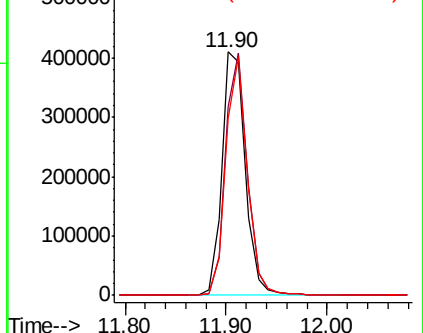
176 72.9 0.0 168.0



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: 10.66 min Scan# 1061

Delta R.T. 0.01 min

Lab File: VD059849.D

Acq: 21 Aug 2018 11:56

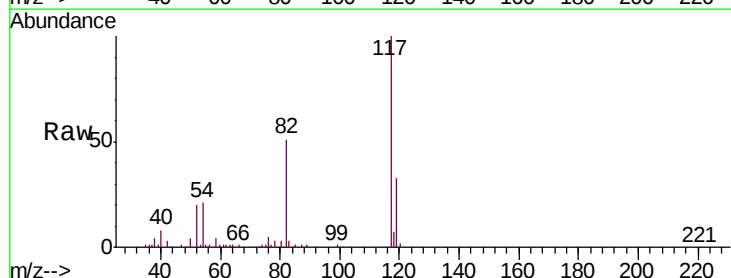
Tgt Ion: 117 Resp: 1268542

Ion Ratio Lower Upper

117 100

82 50.6 41.6 62.4

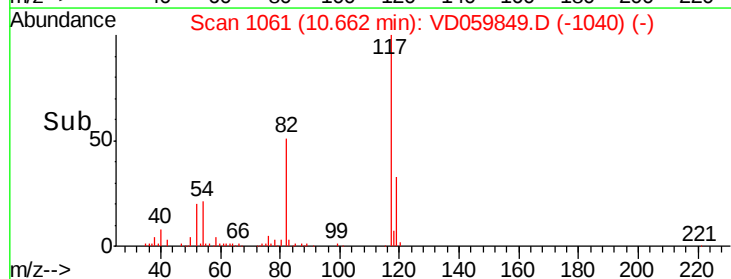
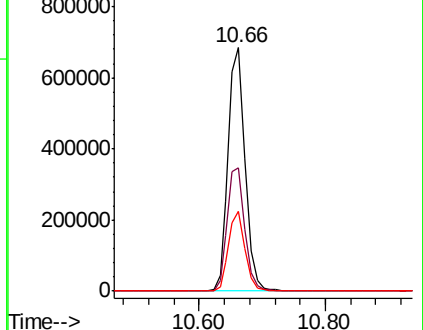
119 32.5 25.6 38.4

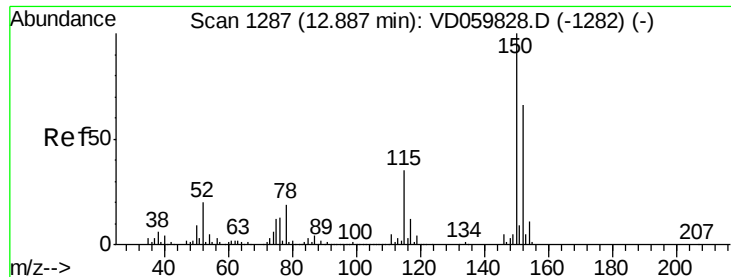


Abundance Ion 116.95 (116.65 to 117.65): V

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: 12.89 min Scan# 1287

Delta R.T. -0.00 min

Lab File: VD059849.D

Acq: 21 Aug 2018 11:56

Instrument :

MSVOA_D

ClientSampleId :

VD0821SBL01

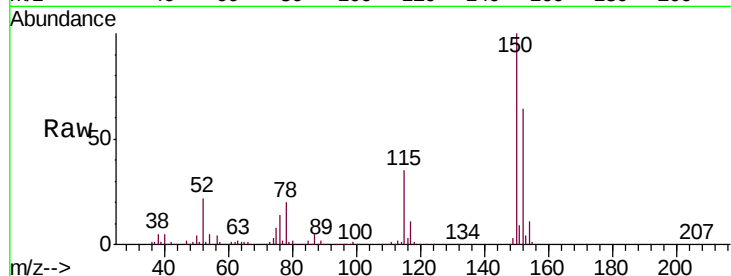
Tgt Ion:152 Resp: 611002

Ion Ratio Lower Upper

152 100

115 54.9 26.9 80.6

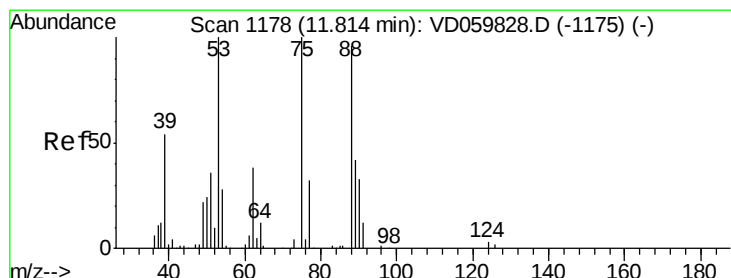
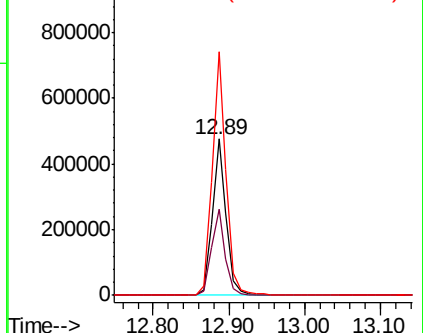
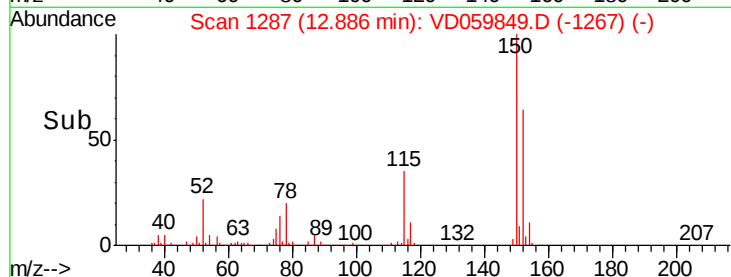
150 156.0 0.0 306.8



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: 82.450 ug/l

RT: 11.90 min Scan# 1187

Delta R.T. 0.09 min

Lab File: VD059849.D

Acq: 21 Aug 2018 11:56

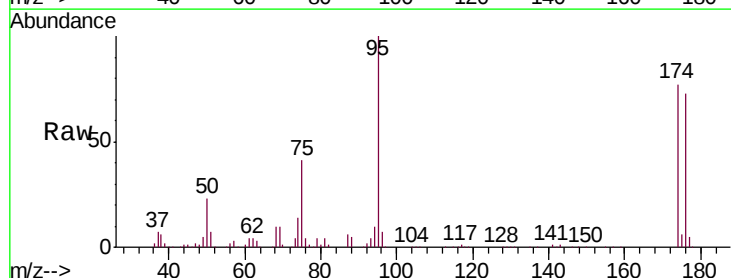
Tgt Ion: 75 Resp: 260536

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): V

Ion 53.00 (52.70 to 53.70): V

Ion 89.00 (88.70 to 89.70): V

