

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD083118\
 Data File : VD059941.D
 Acq On : 31 Aug 2018 17:46
 Operator : JC/SY
 Sample : J4730-02
 Misc : 10.07g/5ml/MSVOA D/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 FK-BPM-02-008-ABCD

Quant Time: Sep 01 03:11:50 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	1028624	50.00	ug/l	-0.04
34) 1,4-Difluorobenzene	7.42	114	1441962	50.00	ug/l	-0.03
63) Chlorobenzene-d5	11.27	117	1219286	50.00	ug/l	-0.03
72) 1,4-Dichlorobenzene-d4	13.36	152	609144	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	411324	47.44	ug/l	-0.04
Spiked Amount			Recovery	=	94.88%	
35) Dibromofluoromethane	6.30	113	480243	42.48	ug/l	-0.04
Spiked Amount			Recovery	=	84.96%	
50) Toluene-d8	9.44	98	1257336	40.07	ug/l	-0.03
Spiked Amount			Recovery	=	80.14%	
62) 4-Bromofluorobenzene	12.42	95	500239	39.26	ug/l	-0.02
Spiked Amount			Recovery	=	78.52%	

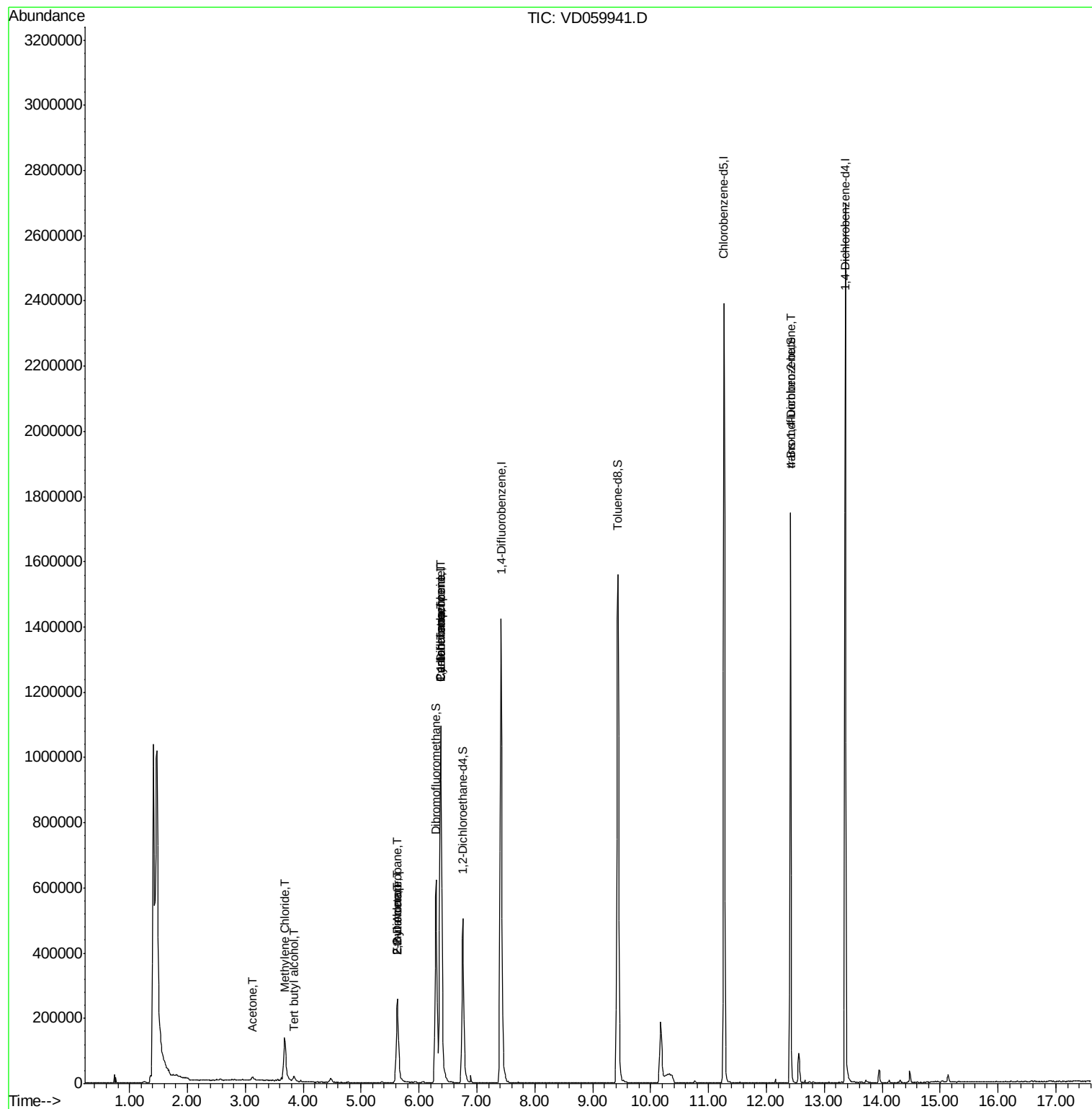
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	3.84	59	14072	21.27	ug/l #	75
16) Acetone	3.12	43	24680	15.62	ug/l	95
20) Methylene Chloride	3.68	84	77644	3.94	ug/l	96
25) 2-Butanone	5.62	43	19405	4.15	ug/l #	81
26) 2,2-Dichloropropane	5.63	77	16380	1.09	ug/l #	49
31) Cyclohexane	6.38	56	20230	1.23	ug/l #	1
36) 1,1-Dichloropropene	6.38	75	75191	5.75	ug/l #	46
37) Ethyl Acetate	5.62	43	19405	1.91	ug/l #	6
38) Carbon Tetrachloride	6.38	117	83924	6.36	ug/l #	15
81) trans-1,4-Dichloro-2-buten	12.42	75	212754	72.24	ug/l #	12
89) n-Butylbenzene	13.64	91	480	Below Cal	#	48

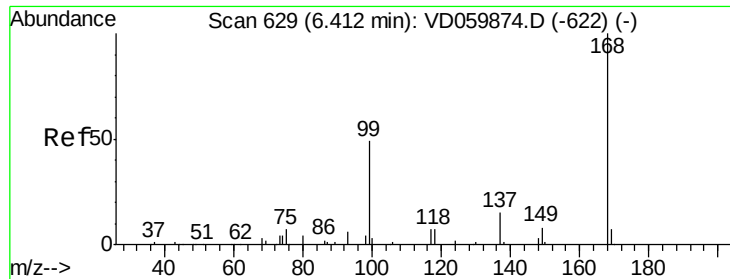
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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: 50.00 ug/l

RT: 6.38 min Scan# 625

Delta R.T. -0.04 min

Lab File: VD059941.D

Acq: 31 Aug 2018 17:46

Instrument :

MSVOA_D

ClientSampleId :

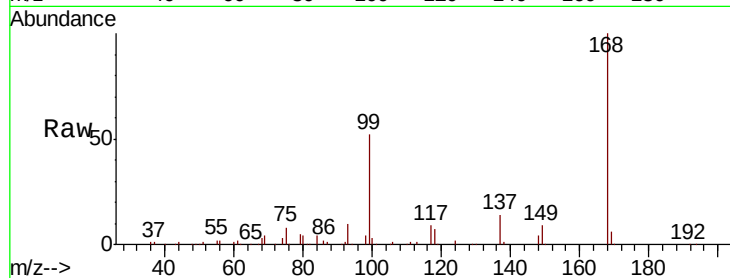
FK-BPM-02-008-ABCD

Tot Ion:168 Resp: 1028624

Ion Ratio Lower Upper

168 100

99 51.6 42.2 63.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

6.38

400000

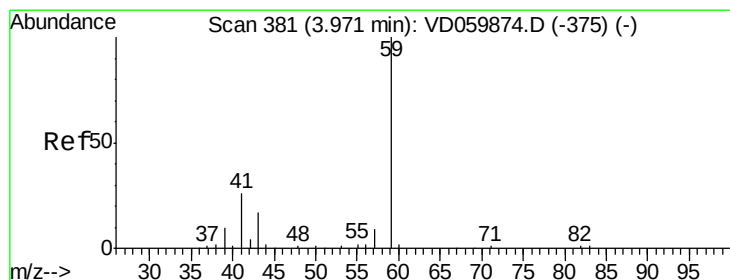
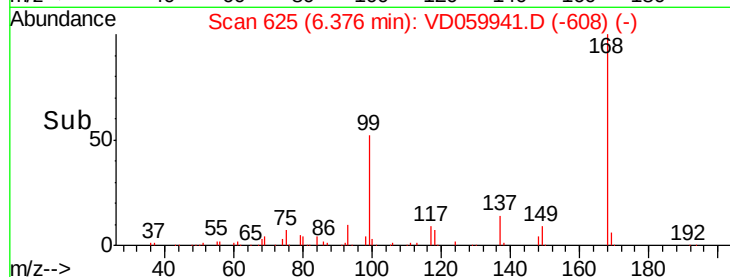
300000

200000

100000

0

Time--> 6.20 6.30 6.40 6.50 6.60



#11

Tert butyl alcohol

Concen: 21.27 ug/l

RT: 3.84 min Scan# 367

Delta R.T. -0.13 min

Lab File: VD059941.D

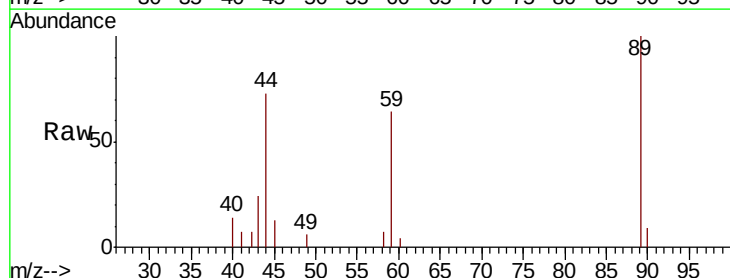
Acq: 31 Aug 2018 17:46

Tgt Ion: 59 Resp: 14072

Ion Ratio Lower Upper

59 100

57 0.0 7.4 11.0#



Abundance Ion 58.95 (58.65 to 59.65): VDC

Ion 56.95 (56.65 to 57.65): VDC

3.84

5000

4000

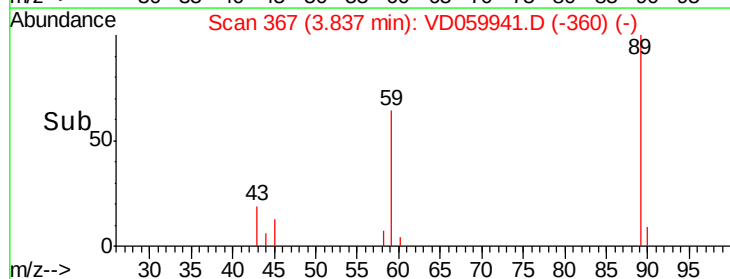
3000

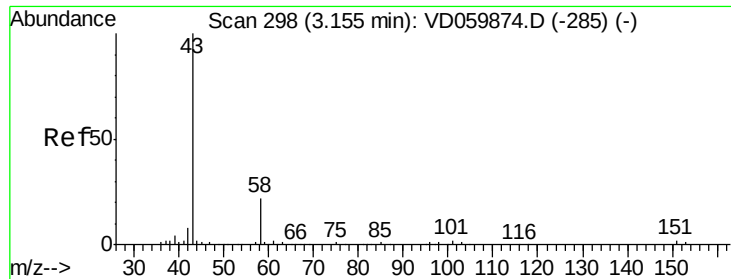
2000

1000

0

Time--> 3.75 3.80 3.85 3.90





#16

Acetone

Concen: 15.62 ug/l

RT: 3.12 min Scan# 294

Delta R.T. -0.04 min

Lab File: VD059941.D

Acq: 31 Aug 2018 17:46

Instrument :

MSVOA_D

ClientSampleId :

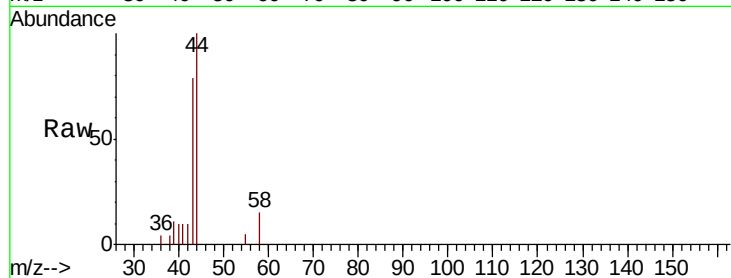
FK-BPM-02-008-ABCD

Tot Ion: 43 Resp: 24680

Ion Ratio Lower Upper

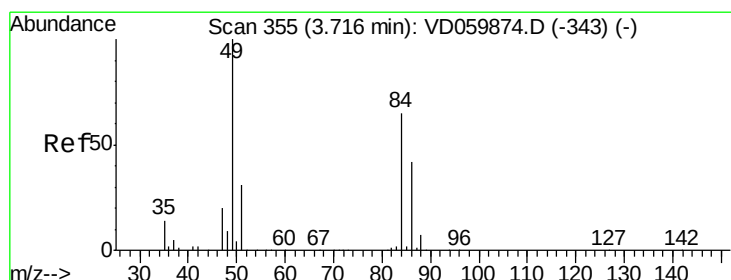
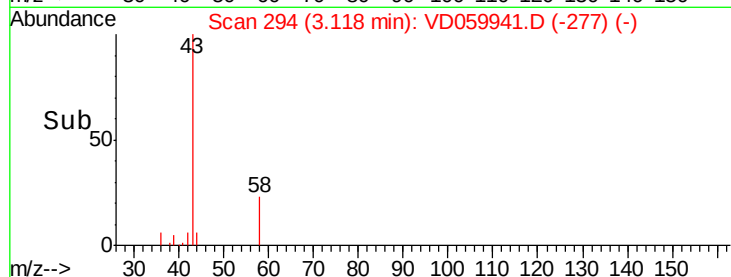
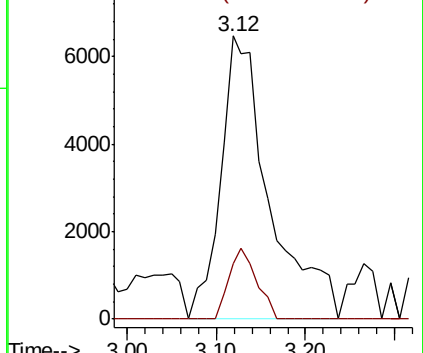
43 100

58 19.4 17.6 26.4



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#20

Methylene Chloride

Concen: 3.94 ug/l

RT: 3.68 min Scan# 351

Delta R.T. -0.04 min

Lab File: VD059941.D

Acq: 31 Aug 2018 17:46

Tgt Ion: 84 Resp: 77644

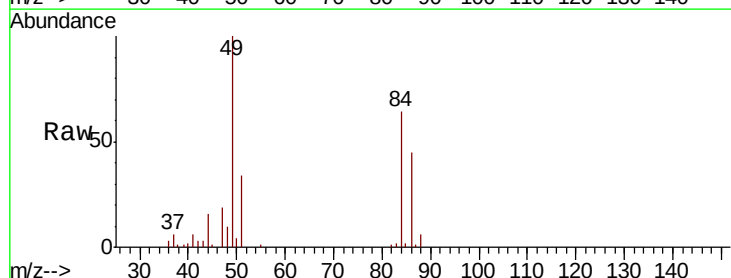
Ion Ratio Lower Upper

84 100

49 155.5 122.6 183.8

51 52.6 38.4 57.6

86 69.3 51.5 77.3

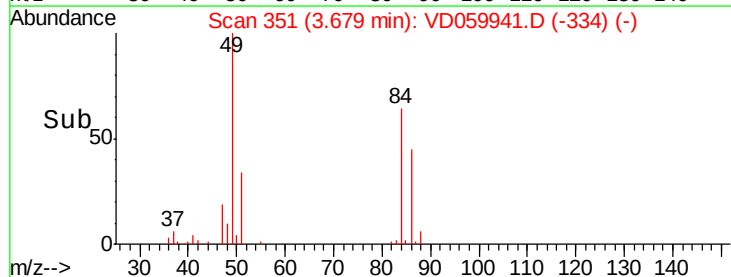
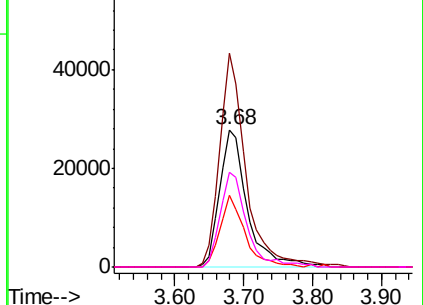


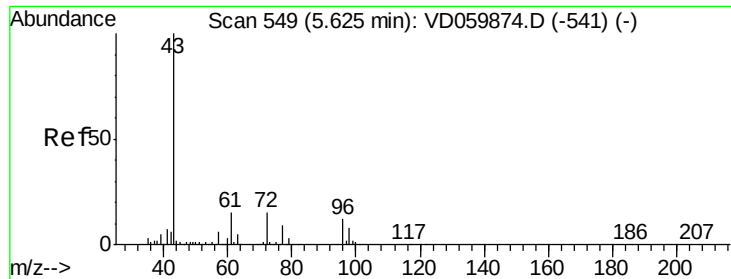
Abundance Ion 83.95 (83.65 to 84.65): VDC

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: 4.15 ug/l

RT: 5.62 min Scan# 548

Delta R.T. -0.01 min

Lab File: VD059941.D

Acq: 31 Aug 2018 17:46

Instrument :

MSVOA_D

ClientSampleId :

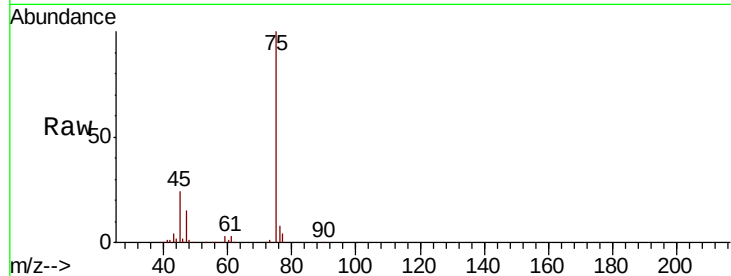
FK-BPM-02-008-ABCD

Tot Ion: 43 Resp: 19405

Ion Ratio Lower Upper

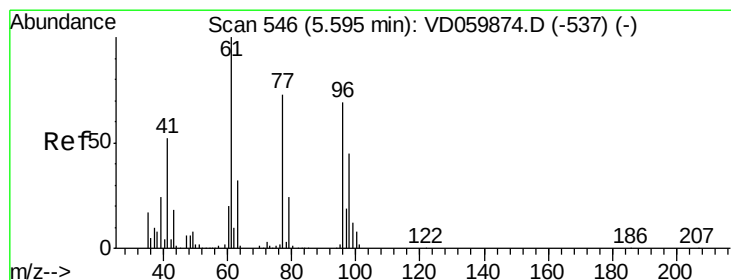
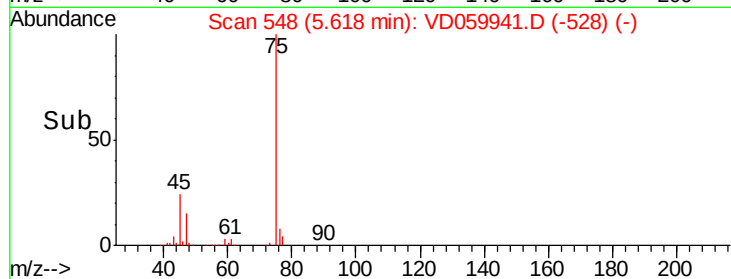
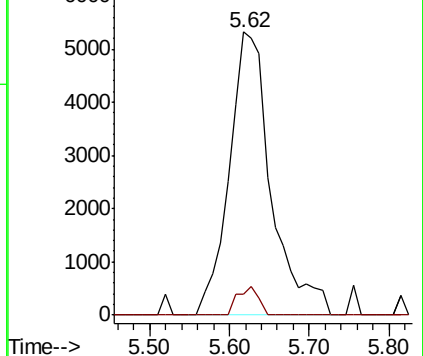
43 100

72 7.2 12.3 18.5#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 1.09 ug/l

RT: 5.63 min Scan# 549

Delta R.T. 0.03 min

Lab File: VD059941.D

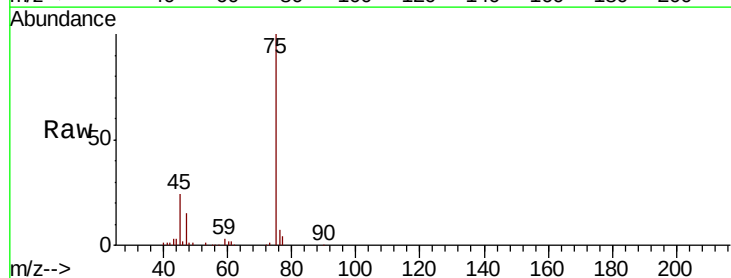
Acq: 31 Aug 2018 17:46

Tgt Ion: 77 Resp: 16380

Ion Ratio Lower Upper

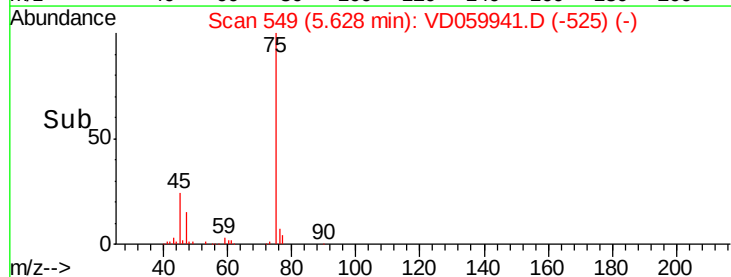
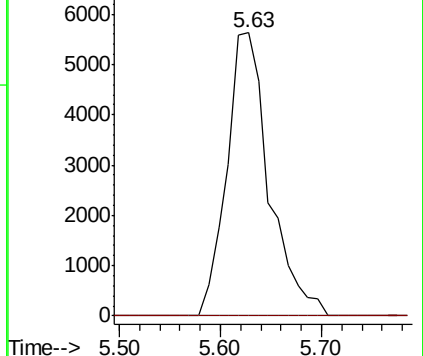
77 100

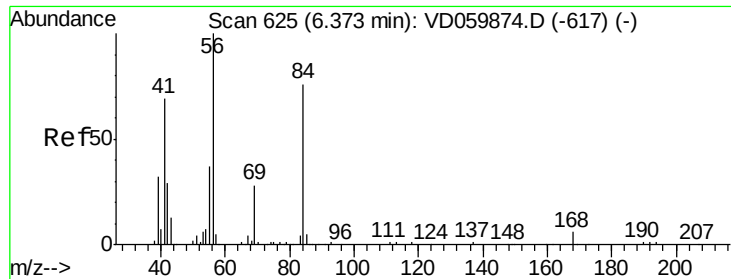
97 0.0 13.0 38.9#



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC

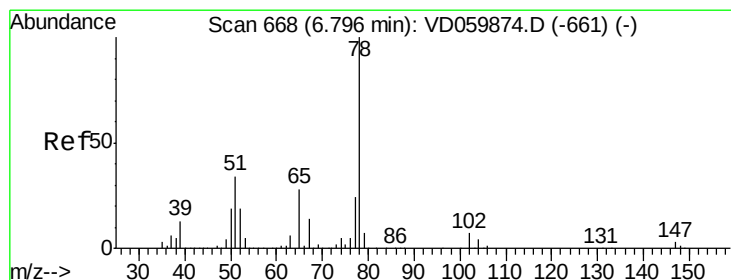
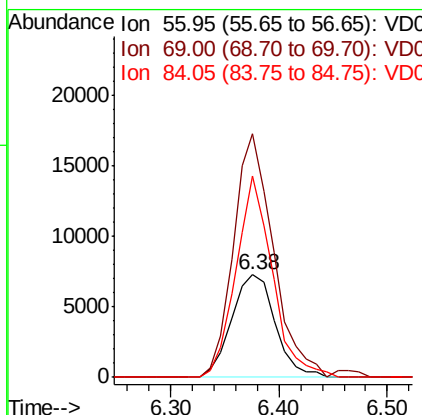
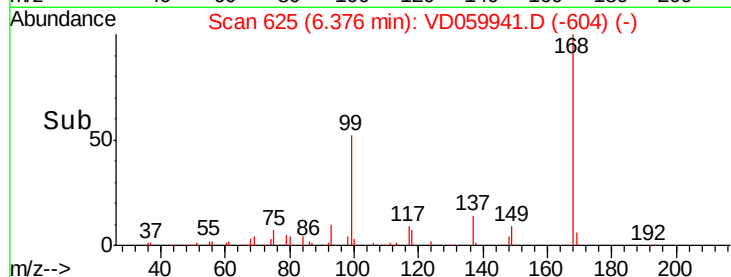
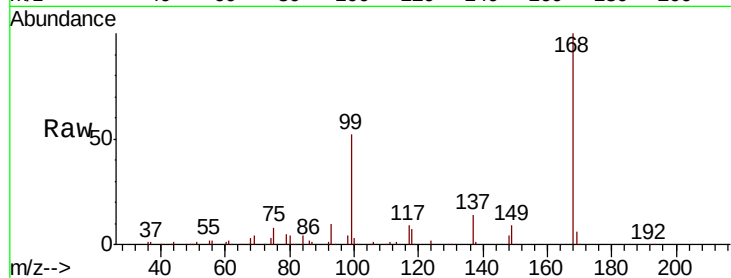




#31
Cyclohexane
Concen: 1.23 ug/l
RT: 6.38 min Scan# 625
Delta R.T. 0.00 min
Lab File: VD059941.D
Acq: 31 Aug 2018 17:46

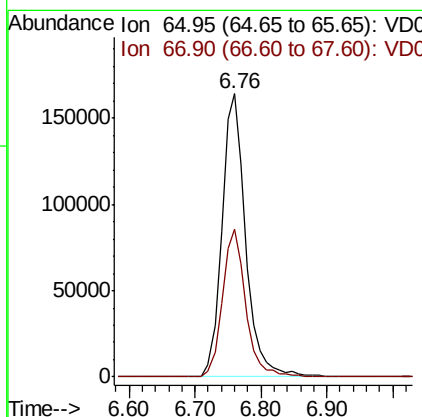
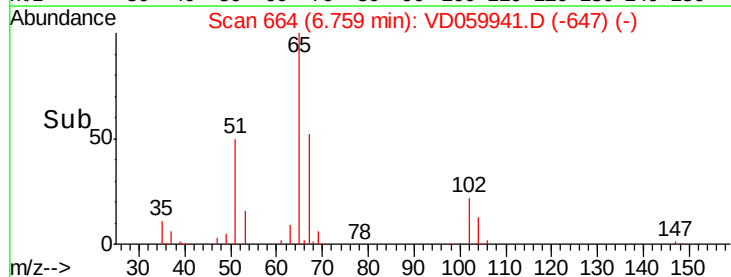
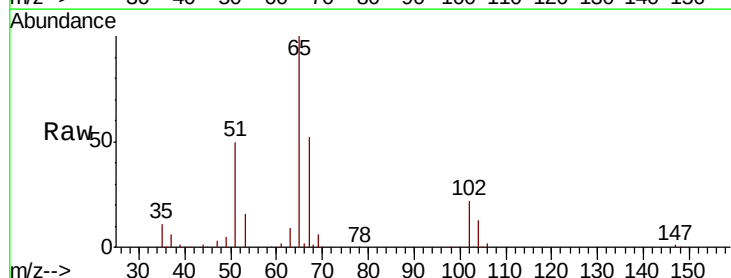
Instrument :
MSVOA_D
ClientSampleId :
FK-BPM-02-008-ABCD

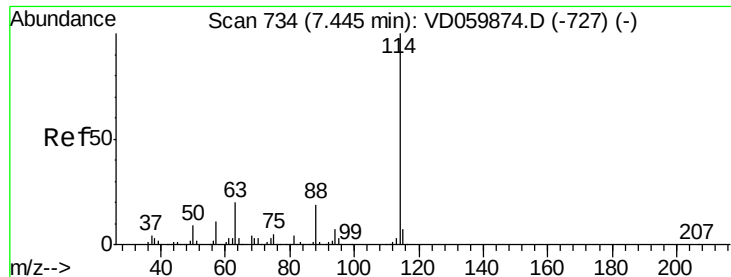
Tot Ion: 56 Resp: 20230
Ion Ratio Lower Upper
56 100
69 238.3 22.4 33.6#
84 196.7 62.1 93.1#



#33
1,2-Dichloroethane-d4
Concen: N.D. ug/l
RT: 6.76 min Scan# 664
Delta R.T. -0.04 min
Lab File: VD059941.D
Acq: 31 Aug 2018 17:46

Tgt Ion: 65 Resp: 411324
Ion Ratio Lower Upper
65 100
67 52.4 0.0 103.8

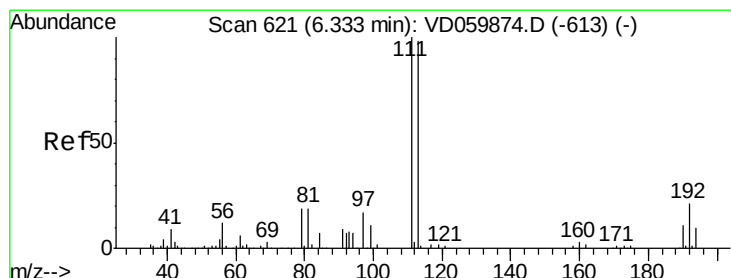
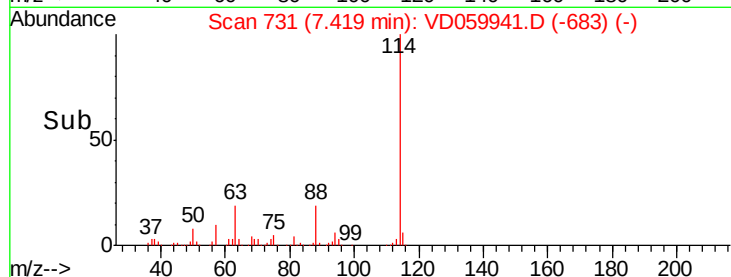
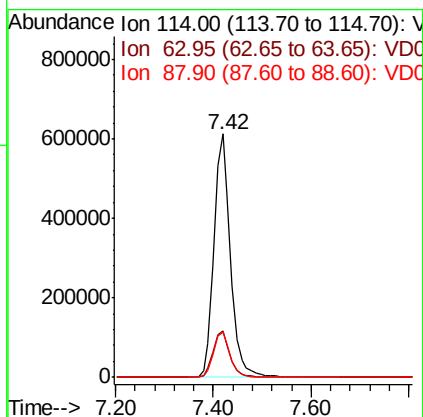
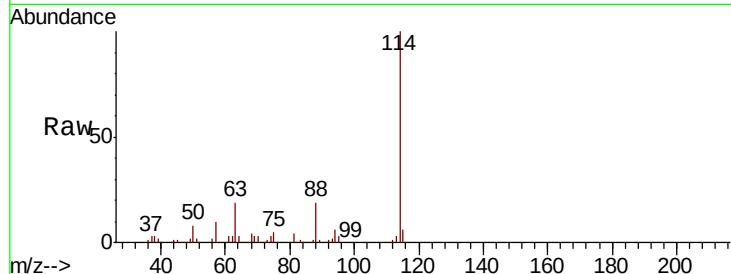




#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 7.42 min Scan# 731
 Delta R.T. -0.03 min
 Lab File: VD059941.D
 Acq: 31 Aug 2018 17:46

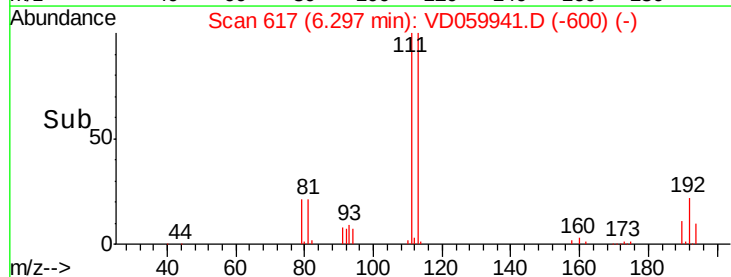
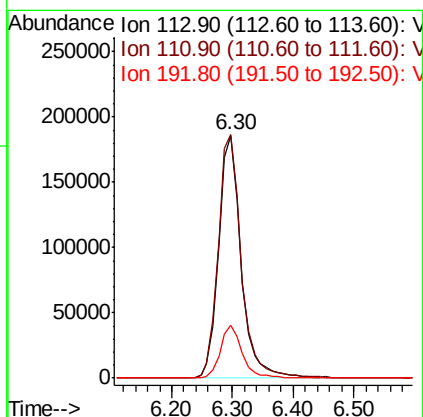
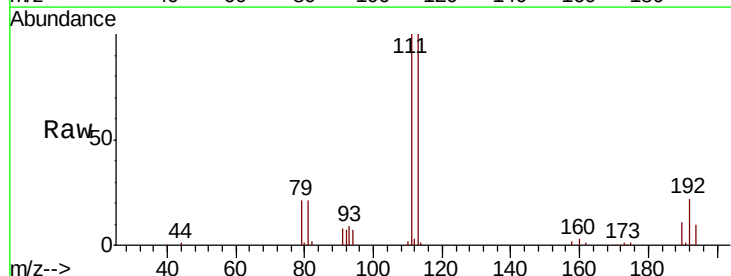
Instrument :
 MSVOA_D
 ClientSampleId :
 FK-BPM-02-008-ABCD

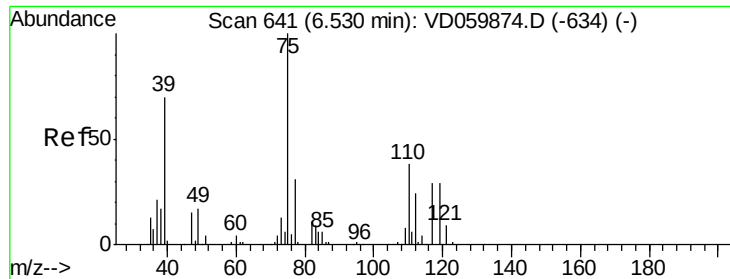
Tot Ion:114 Resp: 1441962
 Ion Ratio Lower Upper
 114 100
 63 19.1 0.0 39.4
 88 18.6 0.0 37.6



#35
 Dibromofluoromethane
 Concen: 50.00 ug/l
 RT: 6.30 min Scan# 617
 Delta R.T. -0.04 min
 Lab File: VD059941.D
 Acq: 31 Aug 2018 17:46

Tgt Ion:113 Resp: 480243
 Ion Ratio Lower Upper
 113 100
 111 100.3 81.4 122.2
 192 21.9 17.0 25.6





#36

1,1-Dichloropropene

Concen: 5.75 ug/l

RT: 6.38 min Scan# 625

Delta R.T. -0.15 min

Lab File: VD059941.D

Acq: 31 Aug 2018 17:46

Instrument :

MSVOA_D

ClientSampleId :

FK-BPM-02-008-ABCD

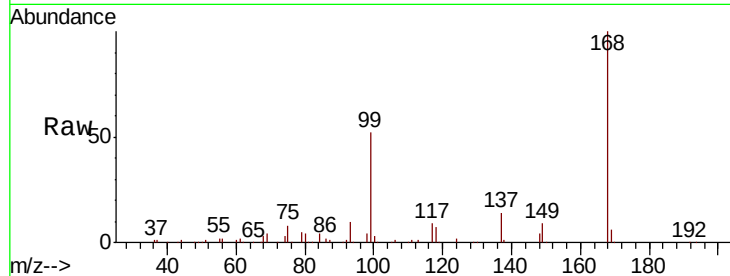
Tot Ion: 75 Resp: 75191

Ion Ratio Lower Upper

75 100

110 6.5 18.6 56.0#

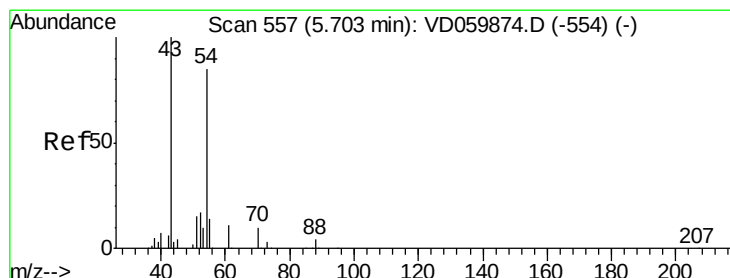
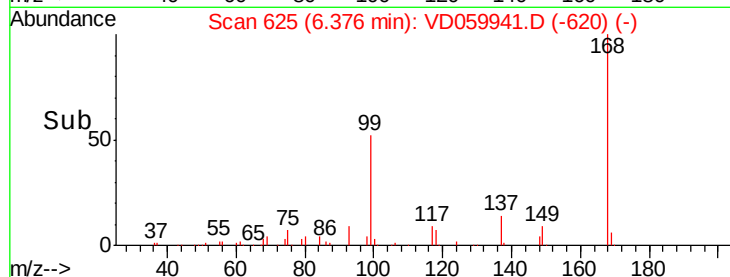
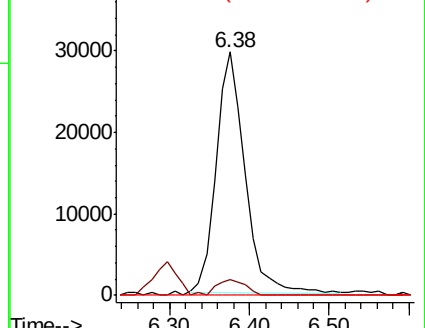
77 0.0 25.1 37.7#



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 109.90 (109.60 to 110.60): VDC

Ion 76.95 (76.65 to 77.65): VDC



#37

Ethyl Acetate

Concen: 1.91 ug/l

RT: 5.62 min Scan# 548

Delta R.T. -0.09 min

Lab File: VD059941.D

Acq: 31 Aug 2018 17:46

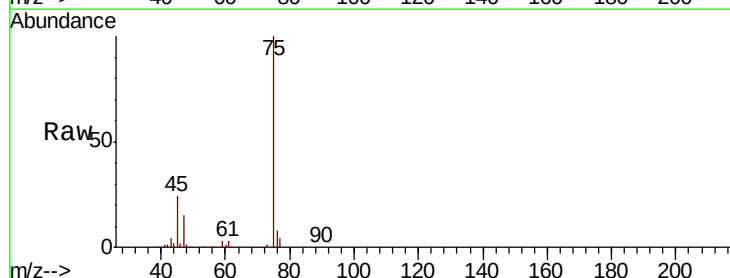
Tgt Ion: 43 Resp: 19405

Ion Ratio Lower Upper

43 100

61 67.2 11.0 16.6#

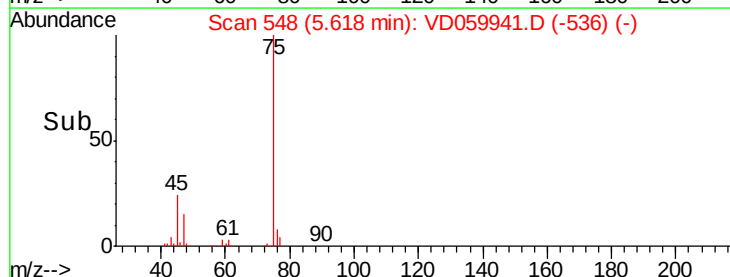
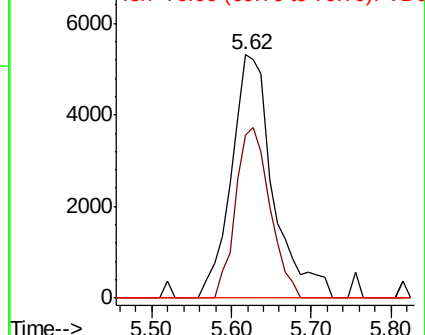
70 0.0 5.7 8.5#

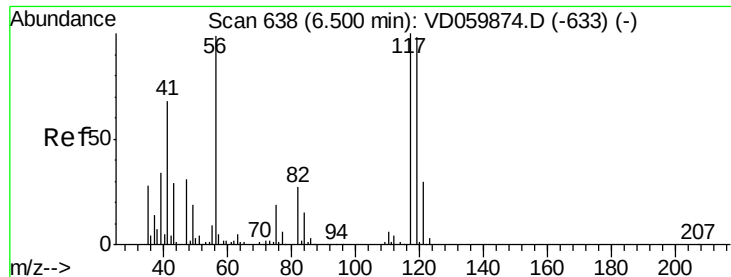


Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 70.00 (69.70 to 70.70): VDC

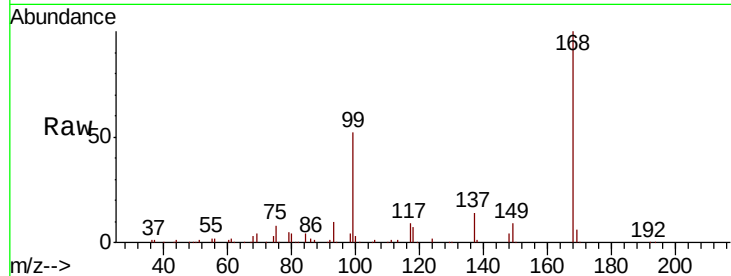




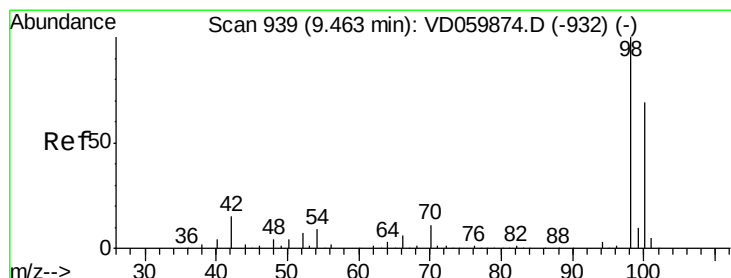
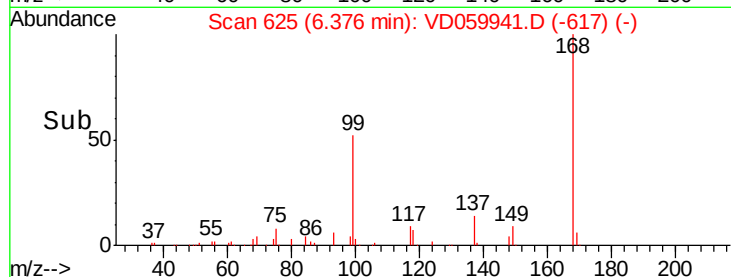
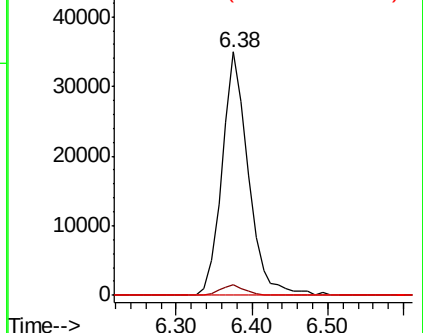
#38
Carbon Tetrachloride
Concen: 6.36 ug/l
RT: 6.38 min Scan# 625
Delta R.T. -0.12 min
Lab File: VD059941.D
Acq: 31 Aug 2018 17:46

Instrument :
MSVOA_D
ClientSampleId :
FK-BPM-02-008-ABCD

Tot Ion:117 Resp: 83924
Ion Ratio Lower Upper
117 100
119 4.1 77.2 115.8#
121 0.0 24.0 36.0#

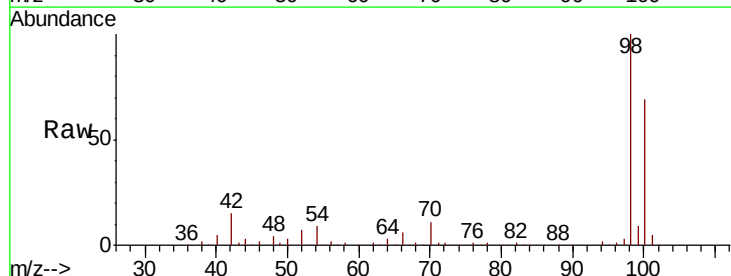


Abundance Ion 116.85 (116.55 to 117.55): V
Ion 118.85 (118.55 to 119.55): V
Ion 120.85 (120.55 to 121.55): V

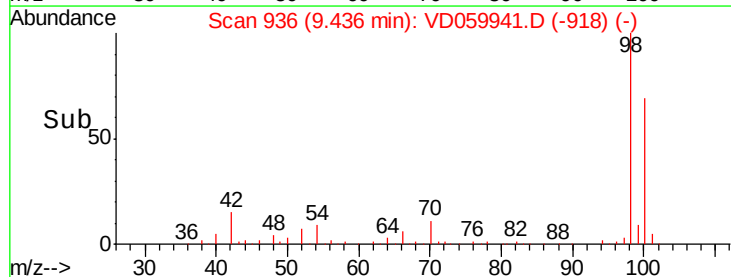
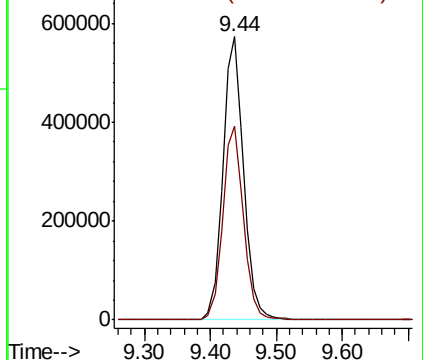


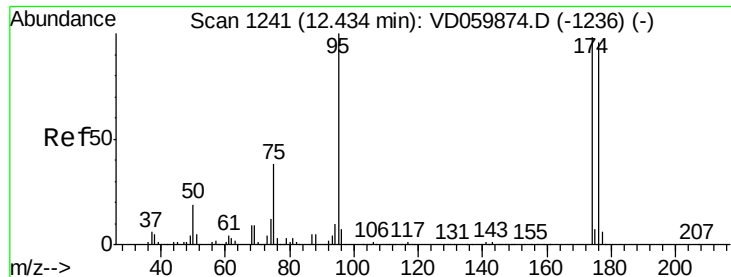
#50
Toluene-d8
Concen: N.D. ug/l
RT: 9.44 min Scan# 936
Delta R.T. -0.03 min
Lab File: VD059941.D
Acq: 31 Aug 2018 17:46

Tgt Ion: 98 Resp: 1257336
Ion Ratio Lower Upper
98 100
100 68.6 55.8 83.6



Abundance Ion 98.05 (97.75 to 98.75): V
Ion 100.05 (99.75 to 100.75): V

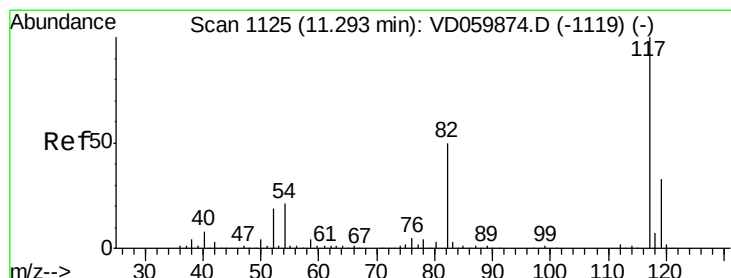
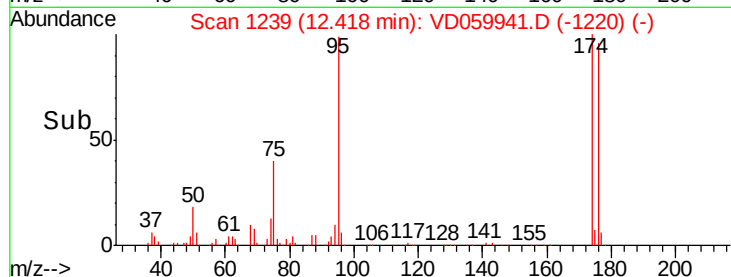
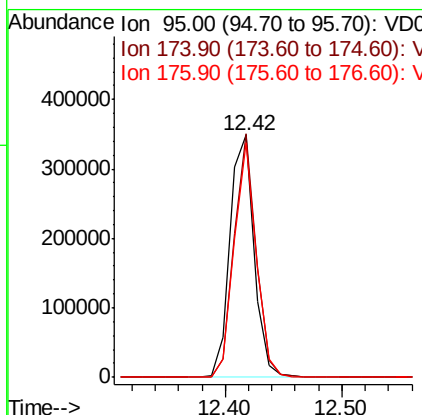
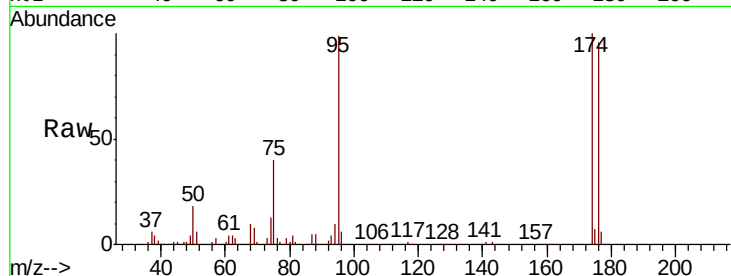




#62
4-Bromofluorobenzene
Concen: N.D. ug/l
RT: 12.42 min Scan# 1239
Delta R.T. -0.02 min
Lab File: VD059941.D
Acq: 31 Aug 2018 17:46

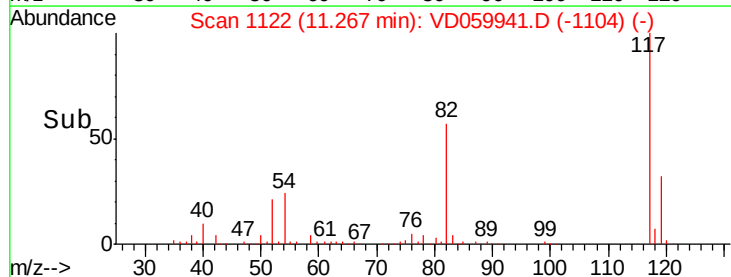
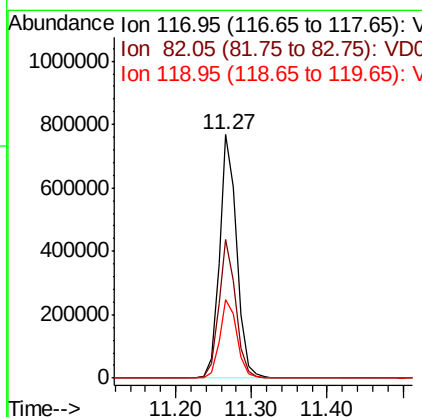
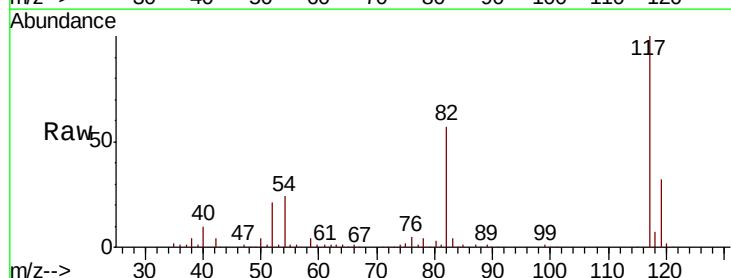
Instrument :
MSVOA_D
ClientSampleId :
FK-BPM-02-008-ABCD

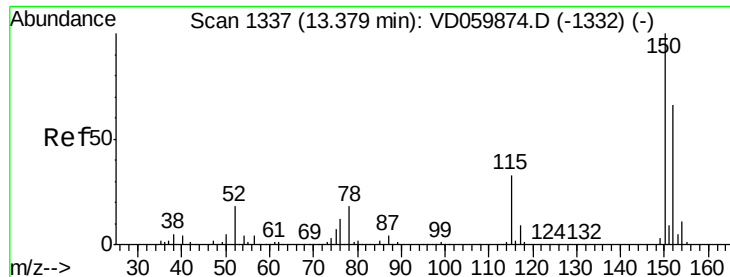
Tot Ion	Ratio	Lower	Upper
95	100		
174	100.5	0.0	195.6
176	97.0	0.0	191.2



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.27 min Scan# 1122
Delta R.T. -0.03 min
Lab File: VD059941.D
Acq: 31 Aug 2018 17:46

Tgt Ion	Ratio	Lower	Upper
117	100		
82	56.8	40.1	60.1
119	32.1	26.7	40.1





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.36 min Scan# 1335

Delta R.T. -0.02 min

Lab File: VD059941.D

Acq: 31 Aug 2018 17:46

Instrument :

MSVOA_D

ClientSampleId :

FK-BPM-02-008-ABCD

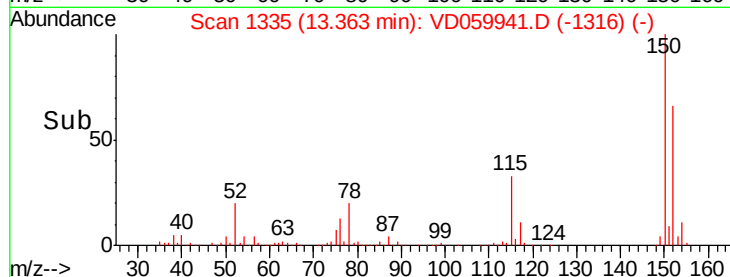
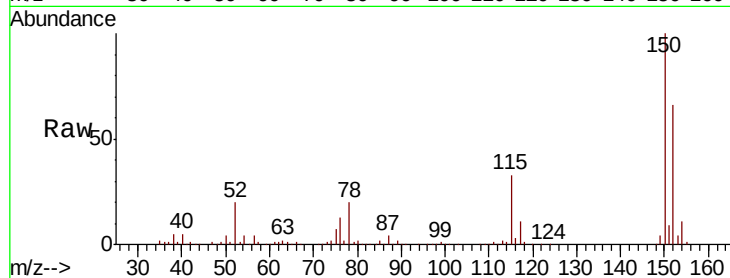
Tot Ion:152 Resp: 609144

Ion Ratio Lower Upper

152 100

115 50.2 25.7 77.0

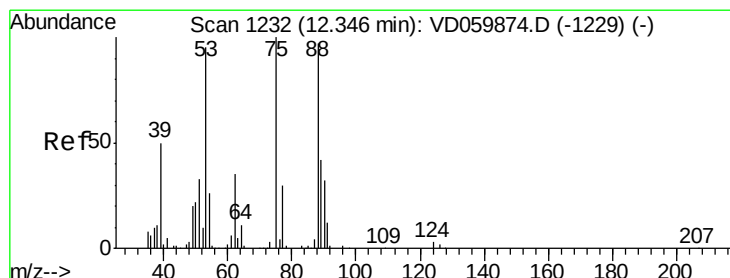
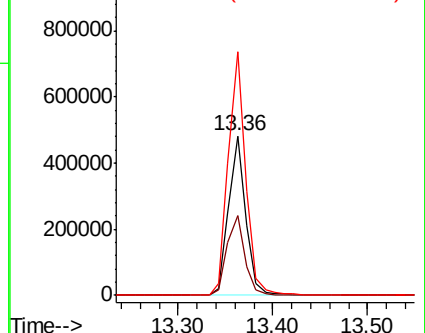
150 152.6 0.0 310.2



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: 72.24 ug/l

RT: 12.42 min Scan# 1239

Delta R.T. 0.07 min

Lab File: VD059941.D

Acq: 31 Aug 2018 17:46

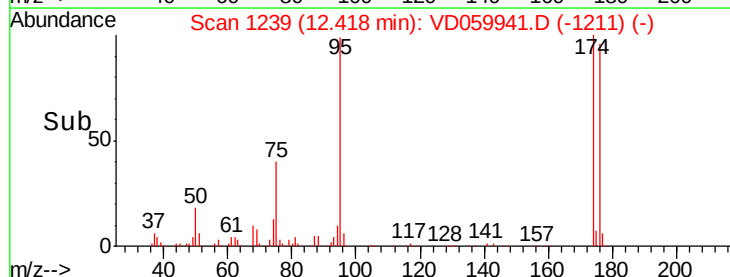
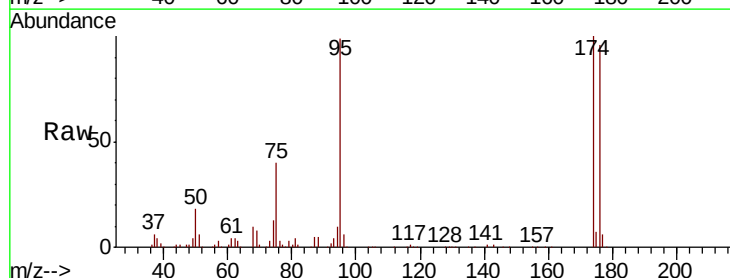
Tgt Ion: 75 Resp: 212754

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

