

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD083118\
 Data File : VD059940.D
 Acq On : 31 Aug 2018 17:18
 Operator : JC/SY
 Sample : J4270-05
 Misc : 4.08g/5ml/MSVOA D/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 BU-02-083018

Quant Time: Sep 01 03:11:37 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	105220	50.00	ug/l	-0.03
34) 1,4-Difluorobenzene	7.41	114	175076	50.00	ug/l	-0.03
63) Chlorobenzene-d5	11.27	117	164747	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	13.36	152	89244	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	76366	86.11	ug/l	-0.04
Spiked Amount			Recovery	=	172.22%	
35) Dibromofluoromethane	0.00	113	0	0.00	ug/l	
Spiked Amount			Recovery	=	0.00%	
50) Toluene-d8	9.43	98	144539	37.94	ug/l	-0.03
Spiked Amount			Recovery	=	75.88%	
62) 4-Bromofluorobenzene	12.41	95	68539	44.30	ug/l	-0.02
Spiked Amount			Recovery	=	88.60%	

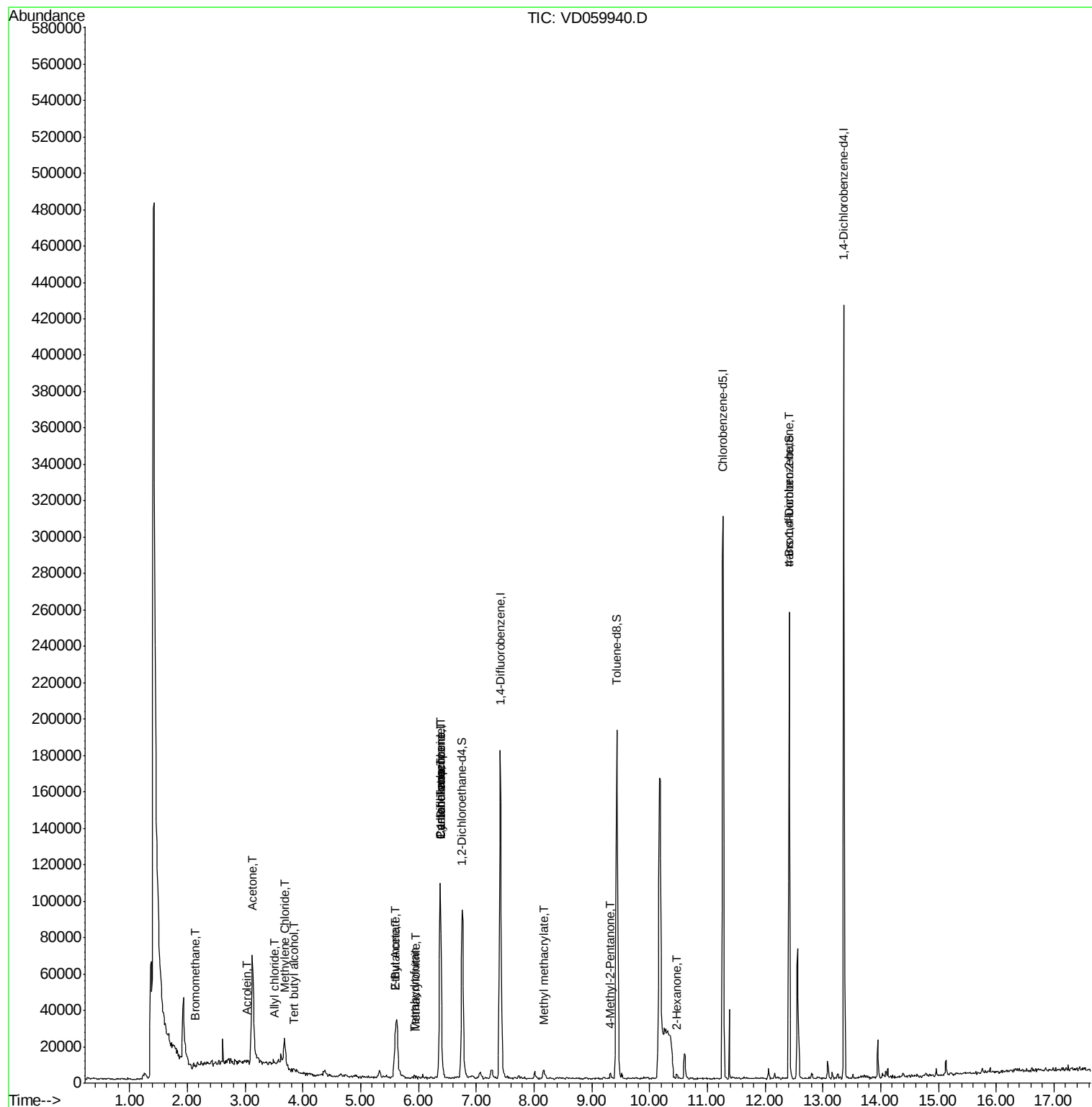
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.13	94	207	1.79	ug/l #	1
11) Tert butyl alcohol	3.83	59	735	10.86	ug/l #	75
13) Acrolein	3.05	56	221	7.53	ug/l	90
14) Allyl chloride	3.51	41	1223	1.47	ug/l #	80
16) Acetone	3.12	43	118951	736.21	ug/l	97
20) Methylene Chloride	3.68	84	8069	4.06	ug/l	82
25) 2-Butanone	5.58	43	35135	73.42	ug/l	97
29) Tetrahydrofuran	5.94	42	1314	5.77	ug/l #	43
31) Cyclohexane	6.37	56	1869	1.11	ug/l #	1
36) 1,1-Dichloropropene	6.37	75	8242	5.19	ug/l #	40
37) Ethyl Acetate	5.58	43	35134	28.45	ug/l #	71
38) Carbon Tetrachloride	6.38	117	8926	5.57	ug/l #	12
41) Methacrylonitrile	5.96	41	1121	1.80	ug/l #	39
48) Methyl methacrylate	8.16	41	1698	1.81	ug/l #	50
51) 4-Methyl-2-Pentanone	9.32	43	3338	2.79	ug/l #	86
59) 2-Hexanone	10.48	43	2597	2.94	ug/l	82
81) trans-1,4-Dichloro-2-buten	12.41	75	31047	71.96	ug/l #	12
89) n-Butylbenzene	13.64	91	420	Below Cal	#	29

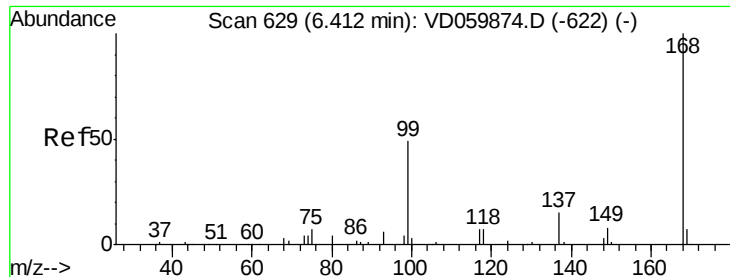
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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# 626

Delta R.T. -0.03 min

Lab File: VD059940.D

Acq: 31 Aug 2018 17:18

Instrument :

MSVOA_D

ClientSampleId :

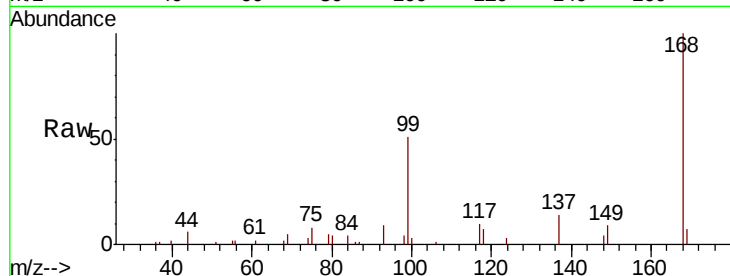
BU-02-083018

Tot Ion:168 Resp: 105220

Ion Ratio Lower Upper

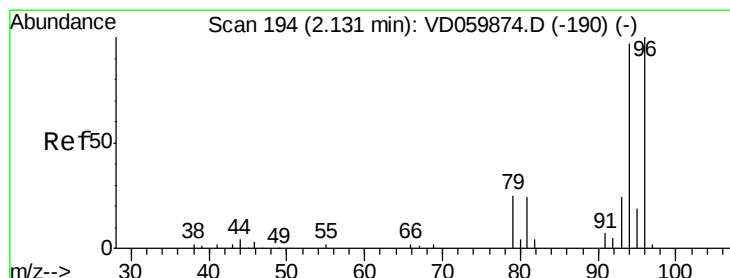
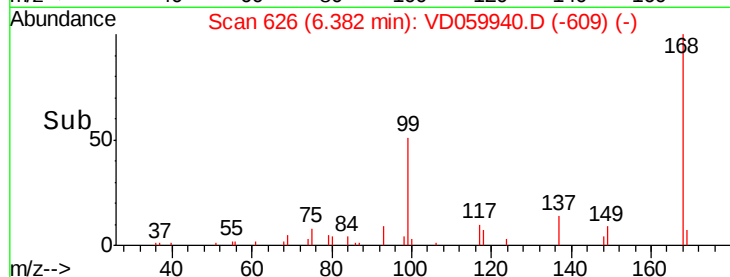
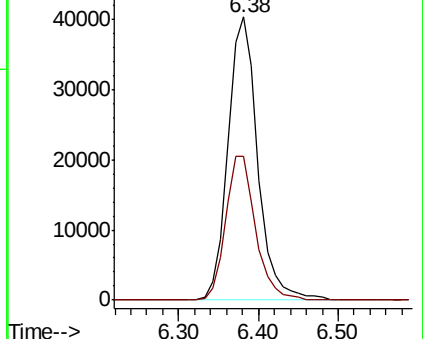
168 100

99 50.9 42.2 63.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#5

Bromomethane

Concen: 1.79 ug/l

RT: 2.13 min Scan# 194

Delta R.T. -0.00 min

Lab File: VD059940.D

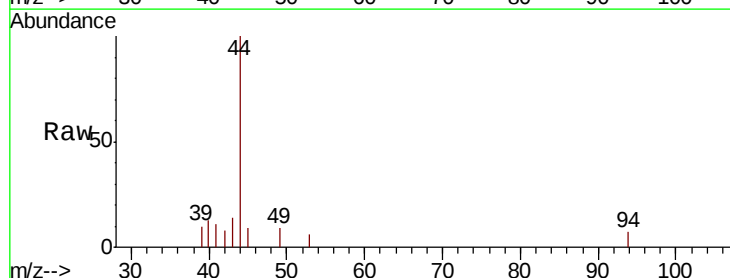
Acq: 31 Aug 2018 17:18

Tgt Ion: 94 Resp: 207

Ion Ratio Lower Upper

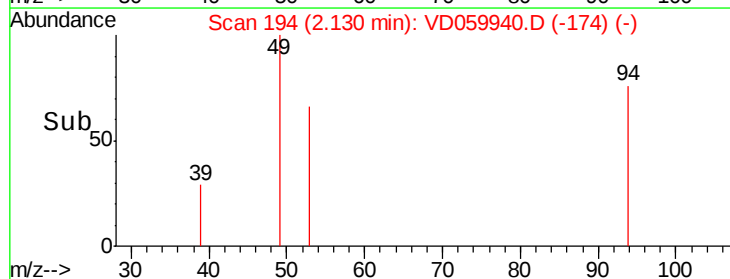
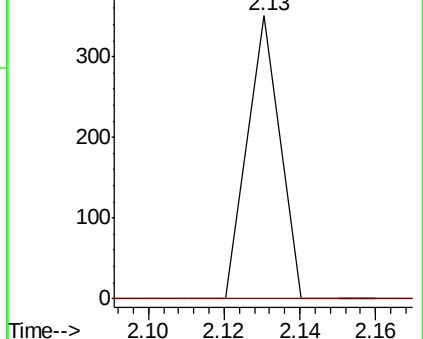
94 100

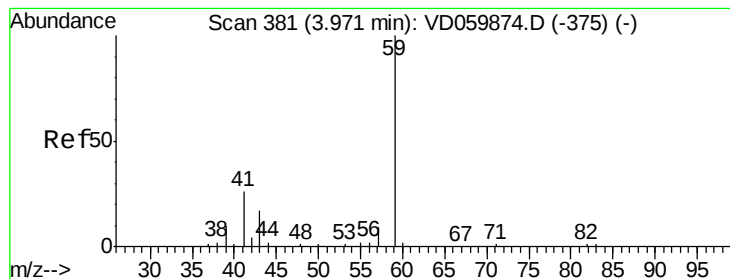
96 0.0 82.4 123.6#



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



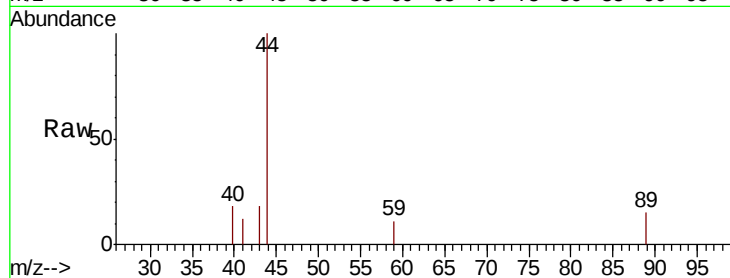


#11

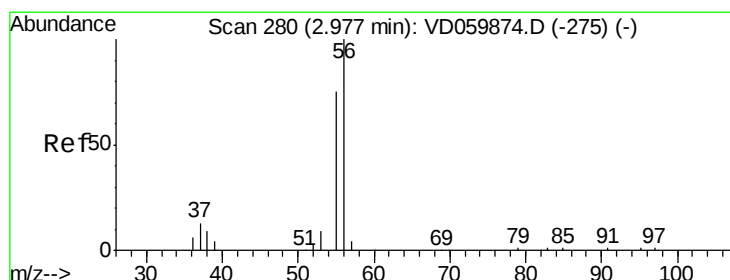
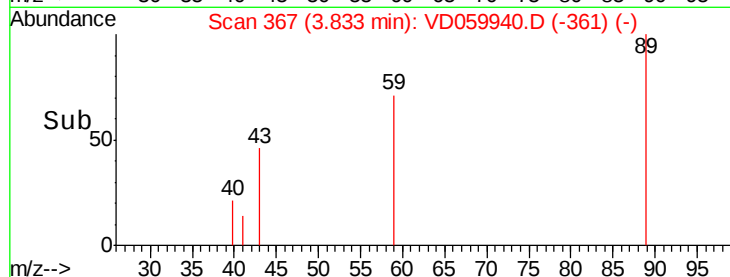
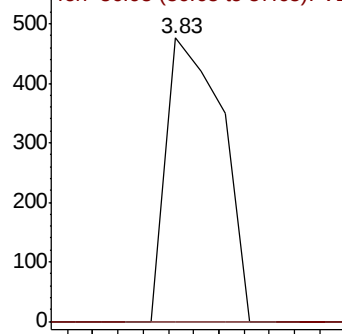
Tert butyl alcohol
 Concen: 10.86 ug/l
 RT: 3.83 min Scan# 367
 Delta R.T. -0.14 min
 Lab File: VD059940.D
 Acq: 31 Aug 2018 17:18

Instrument :
 MSVOA_D
 ClientSampleID :
 BU-02-083018

Tot Ion: 59 Resp: 735
 Ion Ratio Lower Upper
 59 100
 57 0.0 7.4 11.0#



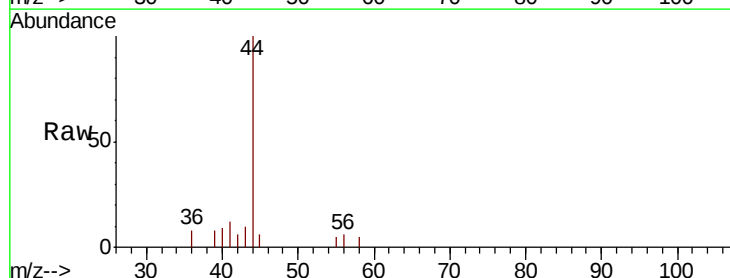
Abundance Ion 58.95 (58.65 to 59.65): VDC
 Ion 56.95 (56.65 to 57.65): VDC



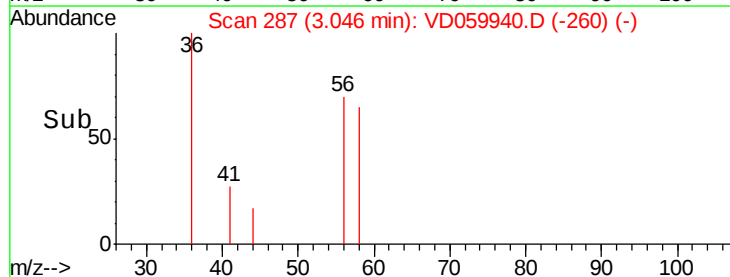
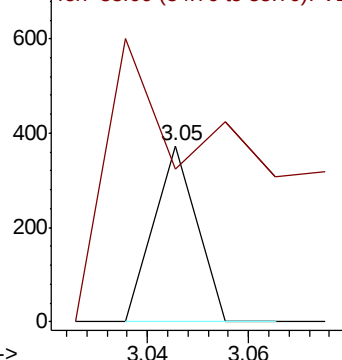
#13

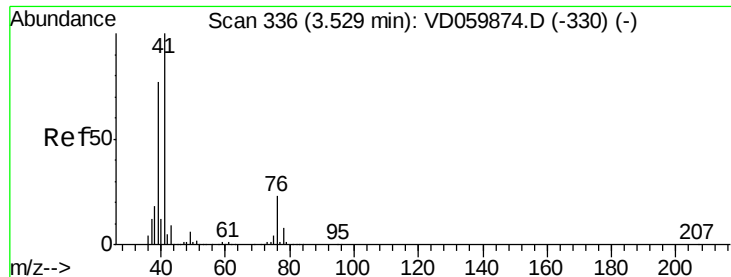
Acrolein
 Concen: 7.53 ug/l
 RT: 3.05 min Scan# 287
 Delta R.T. 0.07 min
 Lab File: VD059940.D
 Acq: 31 Aug 2018 17:18

Tgt Ion: 56 Resp: 221
 Ion Ratio Lower Upper
 56 100
 55 86.4 61.9 92.9



Abundance Ion 55.95 (55.65 to 56.65): VDC
 Ion 55.00 (54.70 to 55.70): VDC

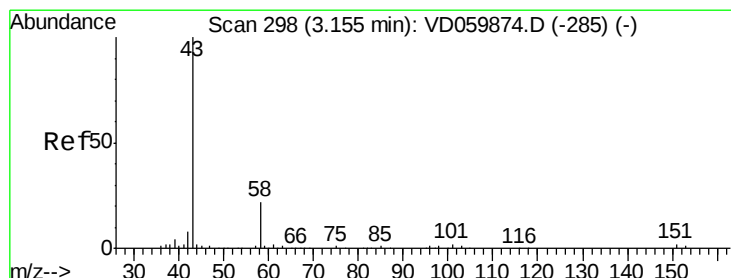
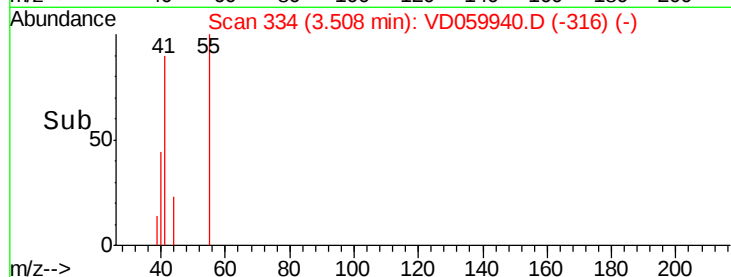
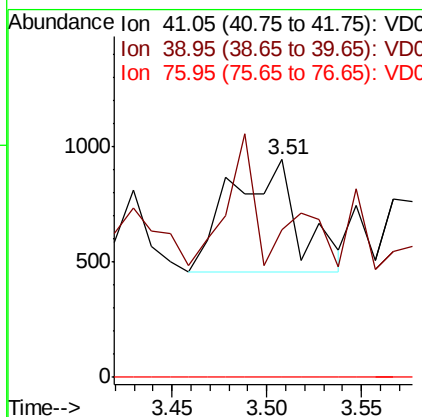
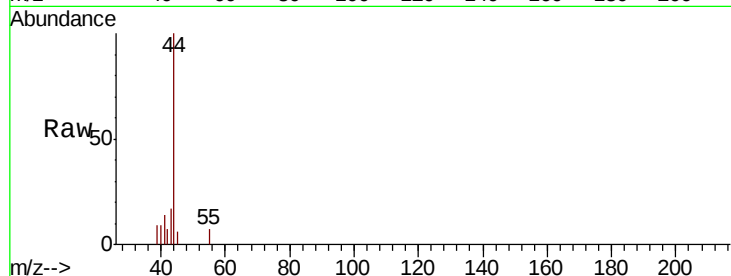




#14
Allvl chloride
Concen: 1.47 ug/l
RT: 3.51 min Scan# 334
Delta R.T. -0.02 min
Lab File: VD059940.D
Acq: 31 Aug 2018 17:18

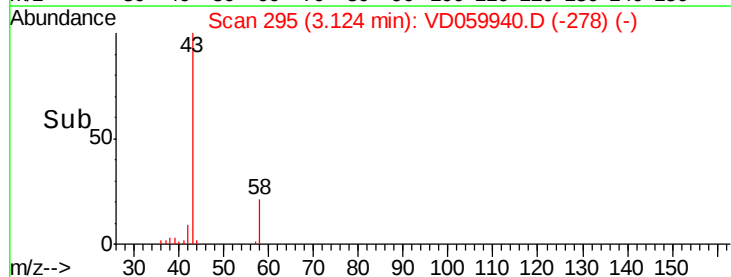
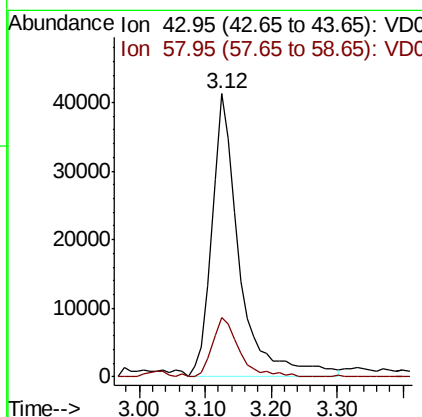
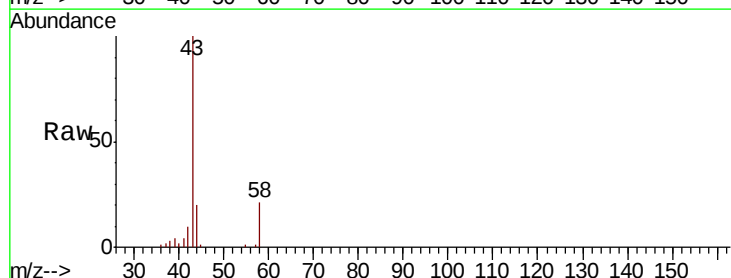
Instrument :
MSVOA_D
ClientSampleId :
BU-02-083018

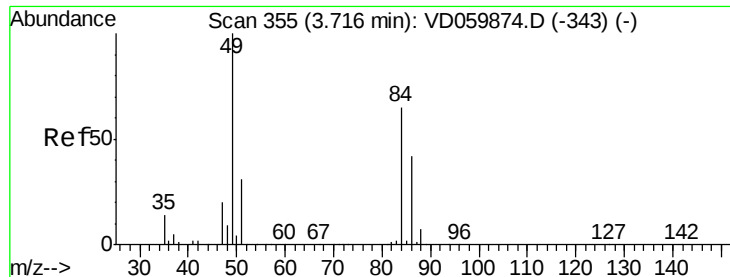
Tot Ion: 41 Resp: 1223
Ion Ratio Lower Upper
41 100
39 67.9 61.8 92.6
76 0.0 19.4 29.2#



#16
Acetone
Concen: 736.21 ug/l
RT: 3.12 min Scan# 295
Delta R.T. -0.03 min
Lab File: VD059940.D
Acq: 31 Aug 2018 17:18

Tgt Ion: 43 Resp: 118951
Ion Ratio Lower Upper
43 100
58 20.8 17.6 26.4

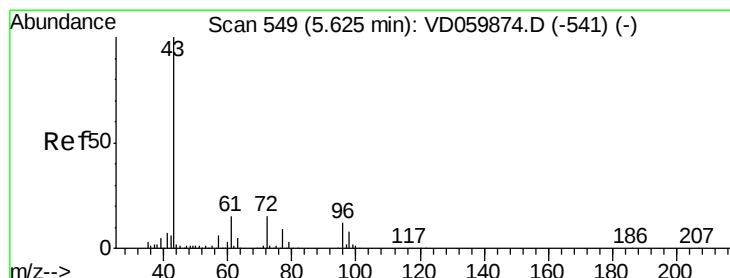
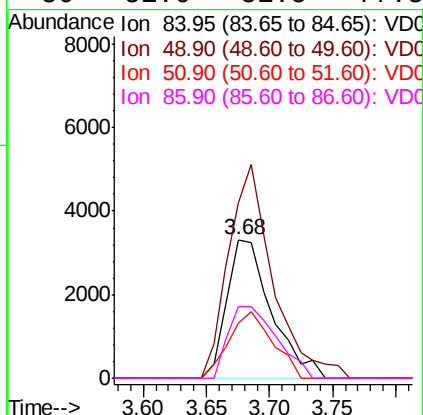
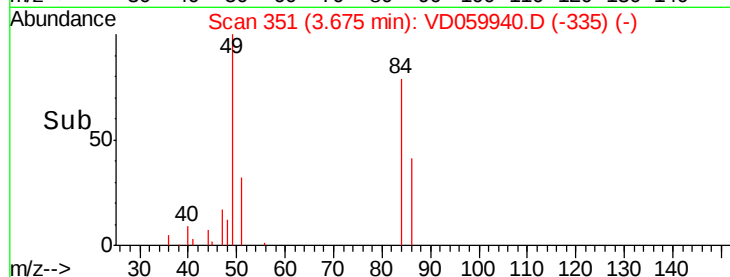
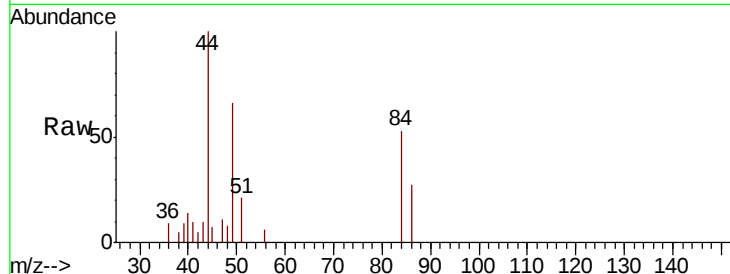




#20
Methvlene Chloride
Concen: 4.06 ug/l
RT: 3.68 min Scan# 351
Delta R.T. -0.04 min
Lab File: VD059940.D
Acq: 31 Aug 2018 17:18

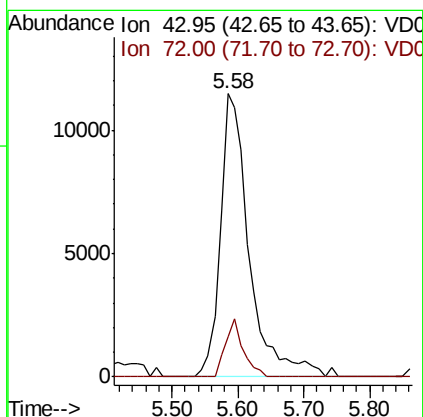
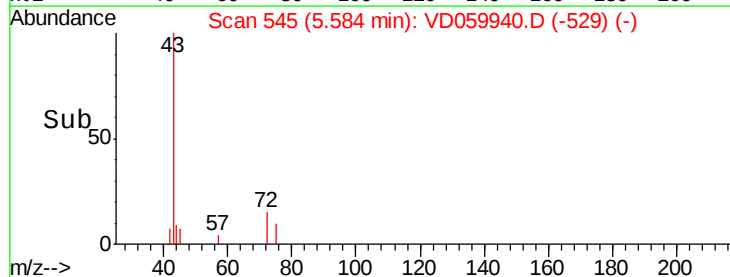
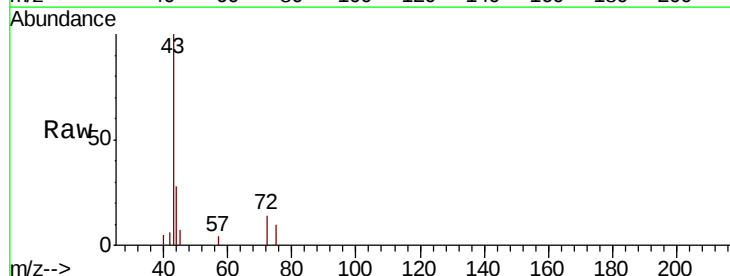
Instrument :
MSVOA_D
ClientSampleId :
BU-02-083018

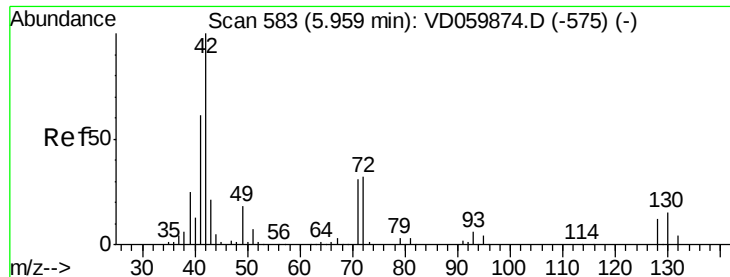
Tot Ion:	84	Resp:	8069
Ion	Ratio	Lower	Upper
84	100		
49	126.5	122.6	183.8
51	40.0	38.4	57.6
86	51.6	51.5	77.3



#25
2-Butanone
Concen: 73.42 ug/l
RT: 5.58 min Scan# 545
Delta R.T. -0.04 min
Lab File: VD059940.D
Acq: 31 Aug 2018 17:18

Tgt Ion:	43	Resp:	35135
Ion	Ratio	Lower	Upper
43	100		
72	14.3	12.3	18.5





#29

Tetrahydrofuran

Concen: 5.77 ug/l

RT: 5.94 min Scan# 581

Delta R.T. -0.02 min

Lab File: VD059940.D

Acq: 31 Aug 2018 17:18

Instrument :

MSVOA_D

ClientSampleId :

BU-02-083018

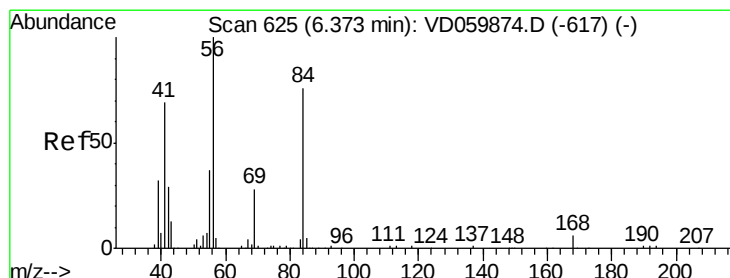
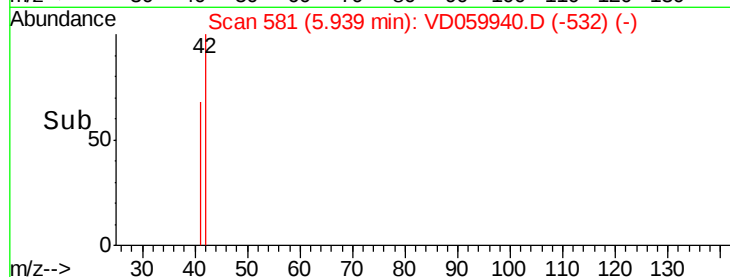
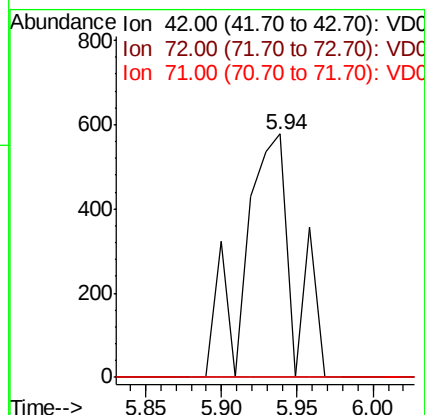
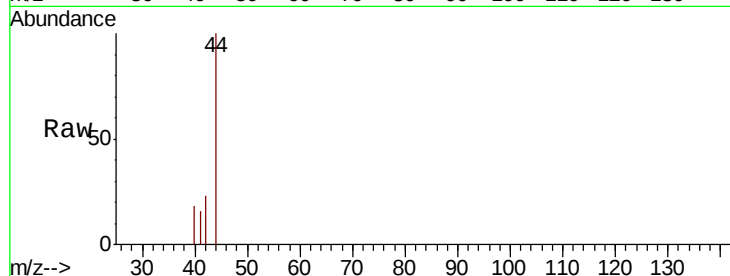
Tot Ion: 42 Resp: 1314

Ion Ratio Lower Upper

42 100

72 0.0 25.7 38.5#

71 0.0 25.3 37.9#



#31

Cyclohexane

Concen: 1.11 ug/l

RT: 6.37 min Scan# 625

Delta R.T. -0.00 min

Lab File: VD059940.D

Acq: 31 Aug 2018 17:18

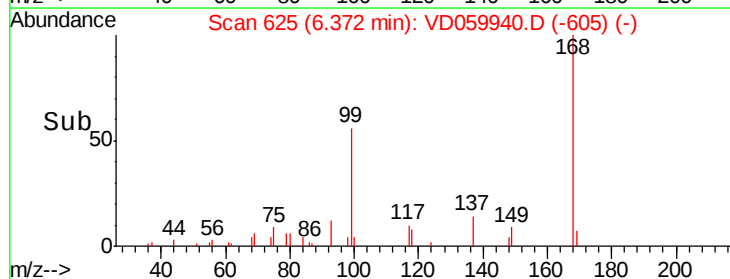
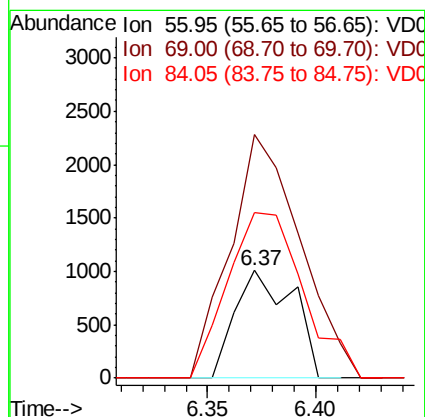
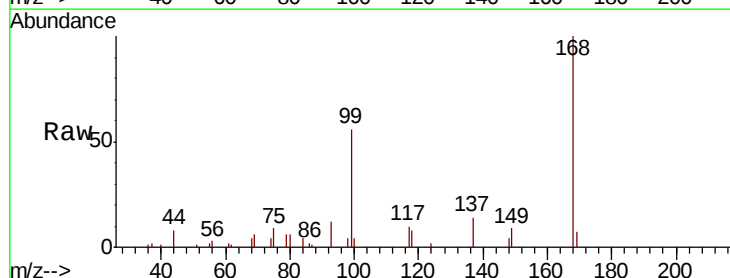
Tgt Ion: 56 Resp: 1869

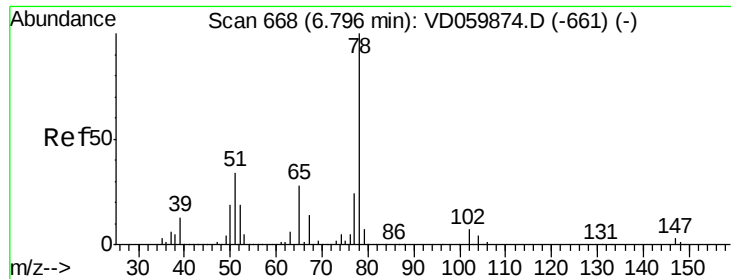
Ion Ratio Lower Upper

56 100

69 225.8 22.4 33.6#

84 153.5 62.1 93.1#

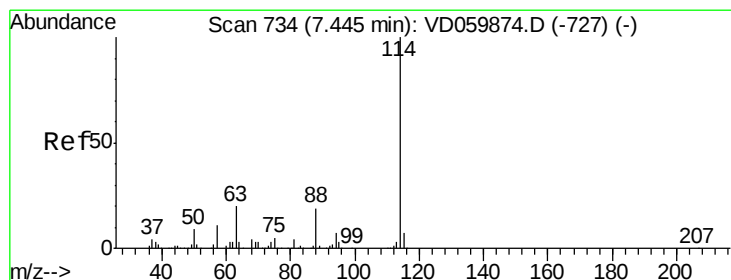
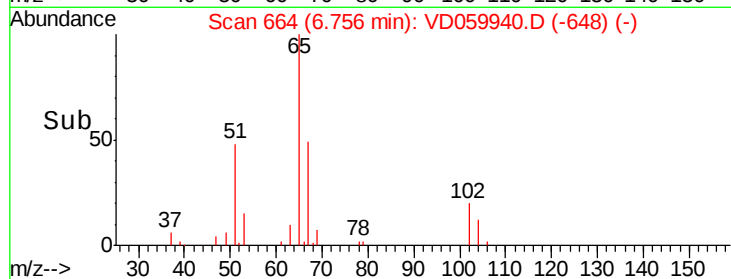
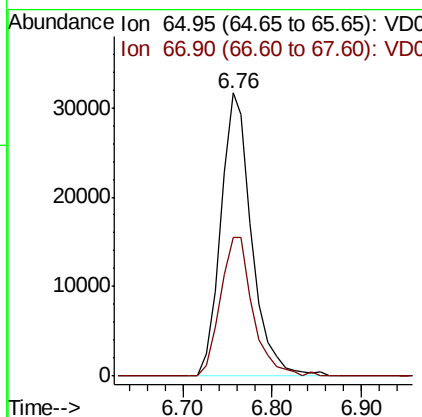
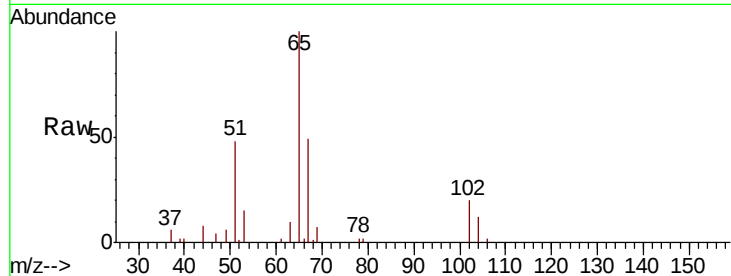




#33
 1,2-Dichloroethane-d4
 Concen: N.D. ug/l
 RT: 6.76 min Scan# 664
 Delta R.T. -0.04 min
 Lab File: VD059940.D
 Acq: 31 Aug 2018 17:18

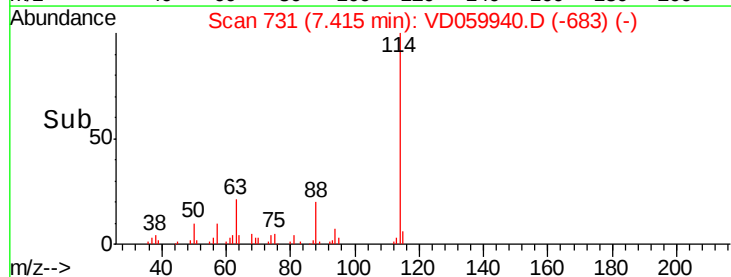
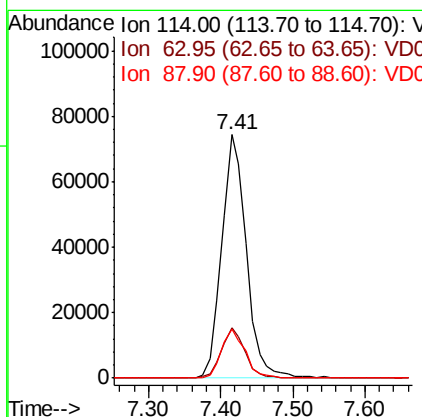
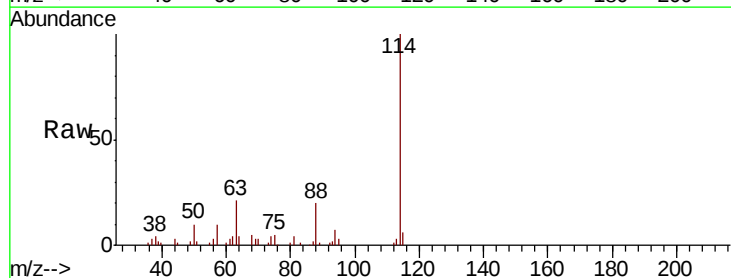
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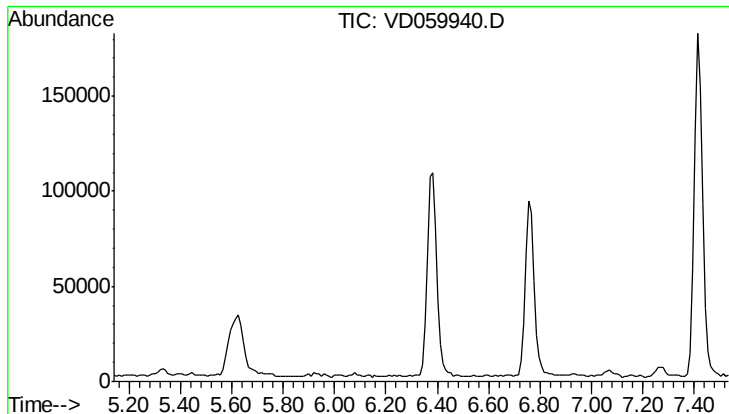
Tot Ion: 65 Resp: 76366
 Ion Ratio Lower Upper
 65 100
 67 49.0 0.0 103.8



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 7.41 min Scan# 731
 Delta R.T. -0.03 min
 Lab File: VD059940.D
 Acq: 31 Aug 2018 17:18

Tgt Ion: 114 Resp: 175076
 Ion Ratio Lower Upper
 114 100
 63 20.6 0.0 39.4
 88 20.1 0.0 37.6

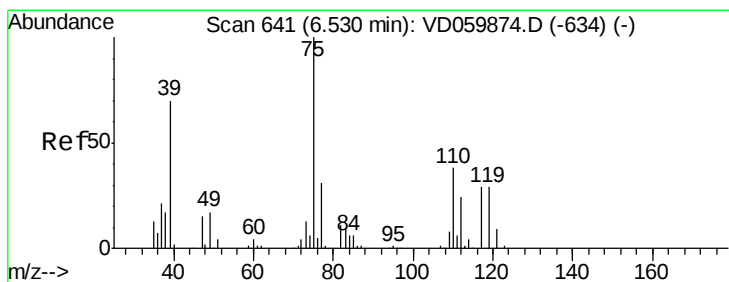
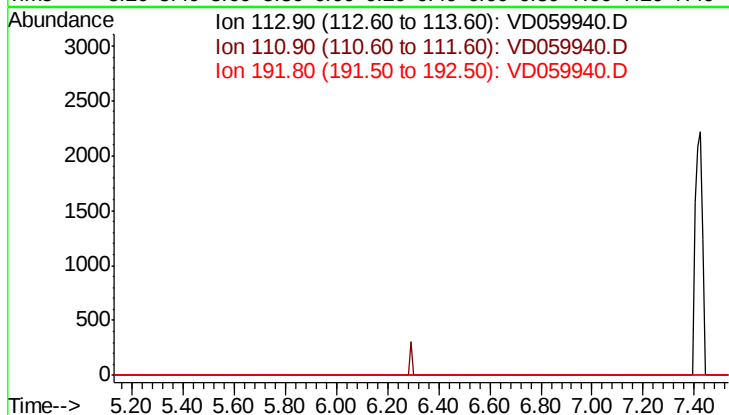




#35
 Dibromofluoromethane
 Concen: 50.00 ug/l
 Expected RT: 6.33 min
 Lab File: VD059940.D
 Acq: 31 Aug 2018 17:18

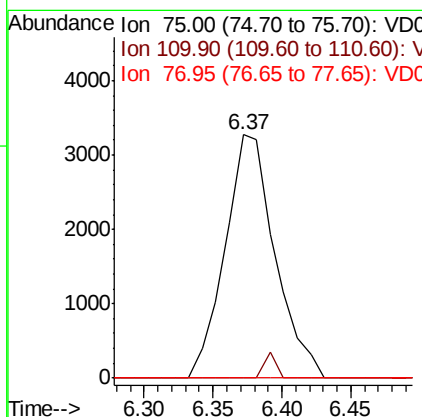
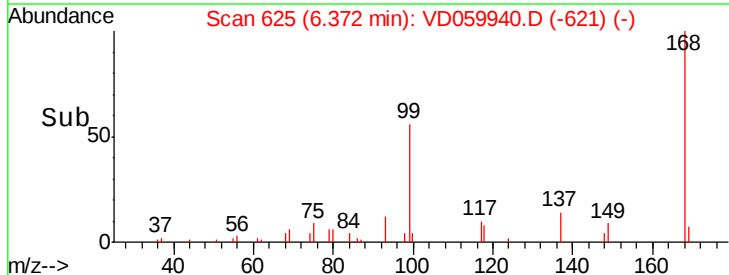
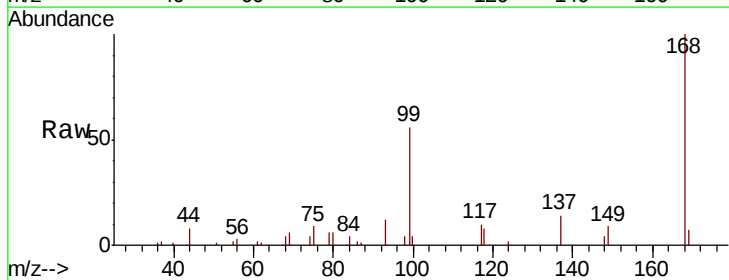
Instrument :
 MSVOA_D
 ClientSampleId :
 BU-02-083018

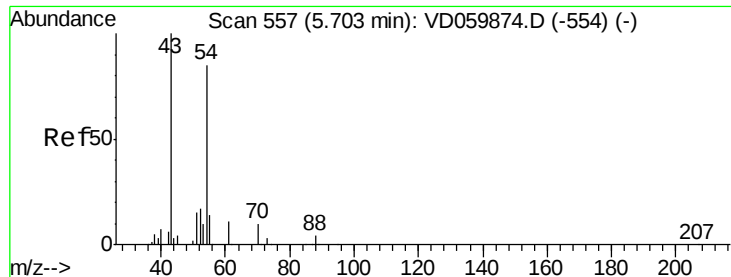
Tot Ion: 113
 Sig Exp Ratio
 113 100
 111 101.8
 192 21.3



#36
 1,1-Dichloropropene
 Concen: 5.19 ug/l
 RT: 6.37 min Scan# 625
 Delta R.T. -0.16 min
 Lab File: VD059940.D
 Acq: 31 Aug 2018 17:18

Tgt Ion: 75 Resp: 8242
 Ion Ratio Lower Upper
 75 100
 110 0.0 18.6 56.0#
 77 0.0 25.1 37.7#

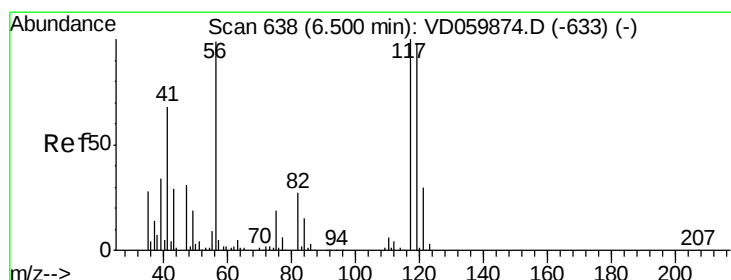
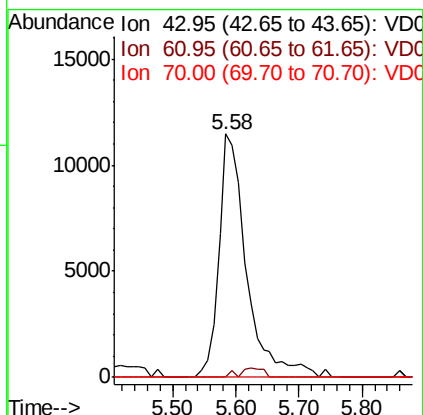
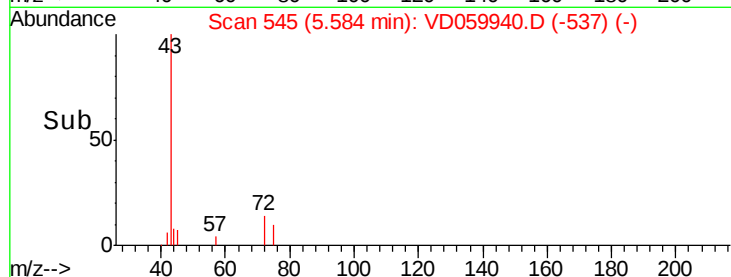
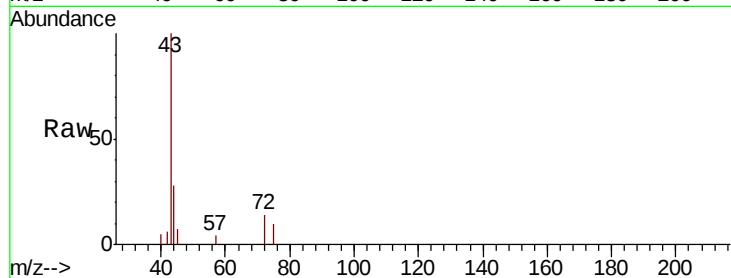




#37
Ethyl Acetate
Concen: 28.45 ug/l
RT: 5.58 min Scan# 545
Delta R.T. -0.12 min
Lab File: VD059940.D
Acq: 31 Aug 2018 17:18

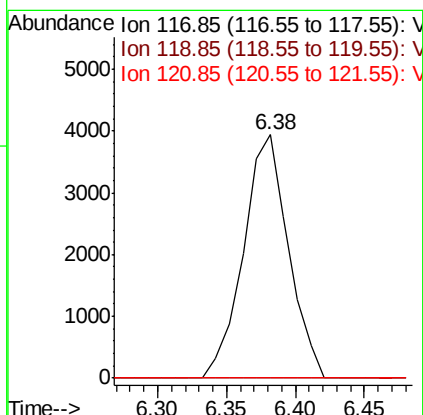
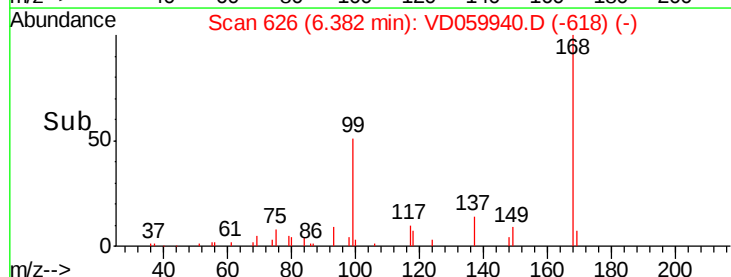
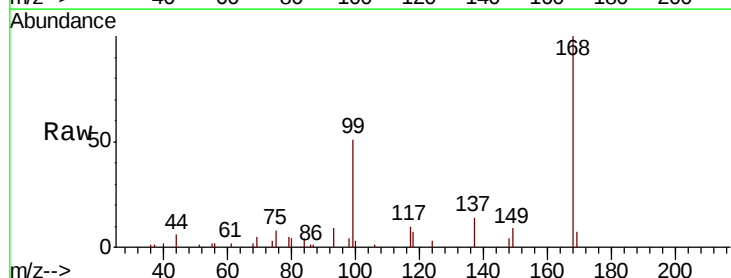
Instrument :
MSVOA_D
ClientSampleId :
BU-02-083018

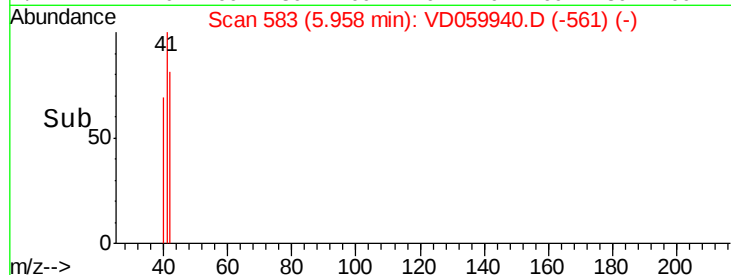
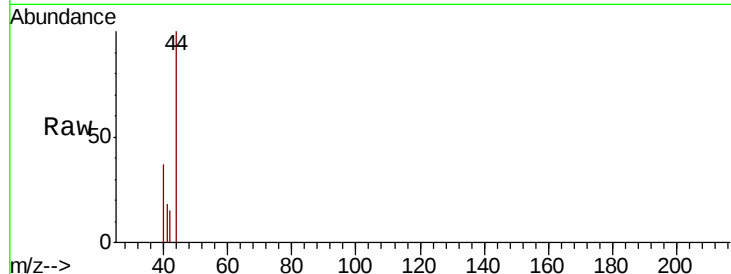
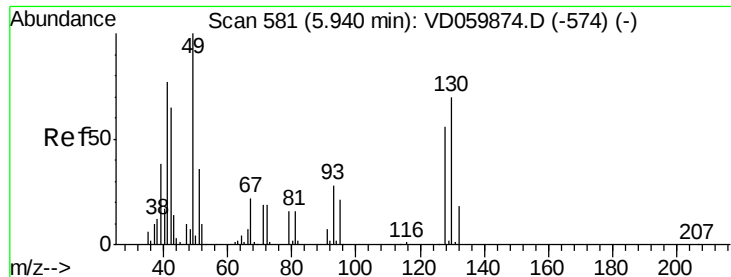
Tot Ion: 43 Resp: 35134
Ion Ratio Lower Upper
43 100
61 0.0 11.0 16.6#
70 0.0 5.7 8.5#



#38
Carbon Tetrachloride
Concen: 5.57 ug/l
RT: 6.38 min Scan# 626
Delta R.T. -0.12 min
Lab File: VD059940.D
Acq: 31 Aug 2018 17:18

Tgt Ion: 117 Resp: 8926
Ion Ratio Lower Upper
117 100
119 0.0 77.2 115.8#
121 0.0 24.0 36.0#

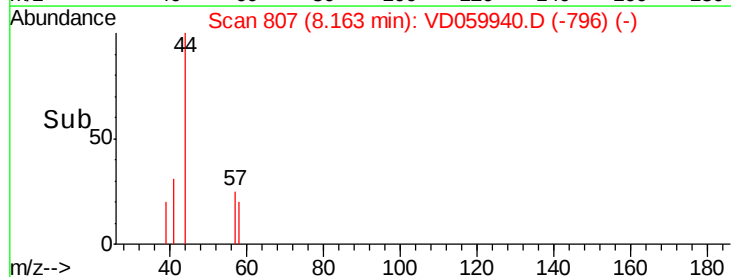
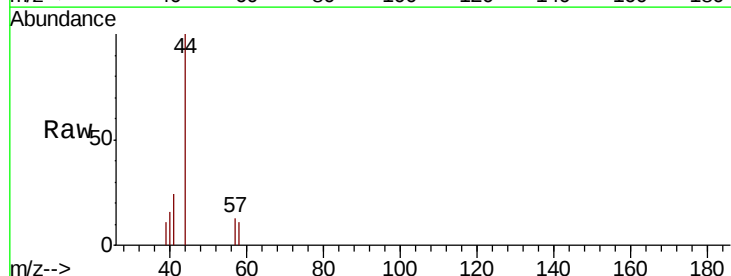
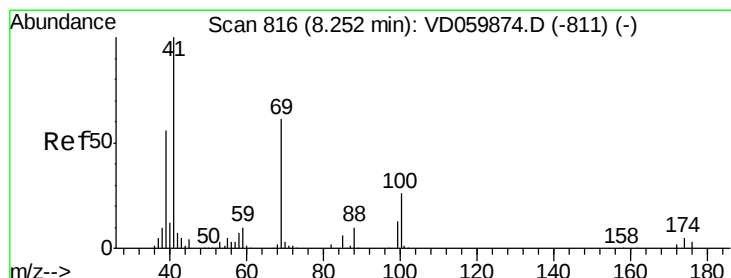
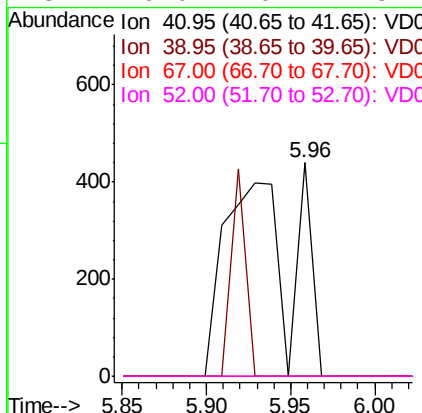




#41
Methacrylonitrile
Concen: 1.80 ug/l
RT: 5.96 min Scan# 583
Delta R.T. 0.02 min
Lab File: VD059940.D
Acq: 31 Aug 2018 17:18

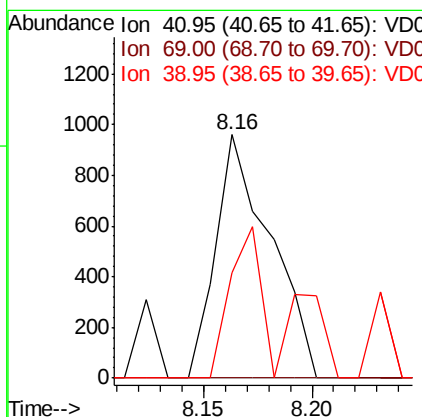
Instrument :
MSVOA_D
ClientSampleId :
BU-02-083018

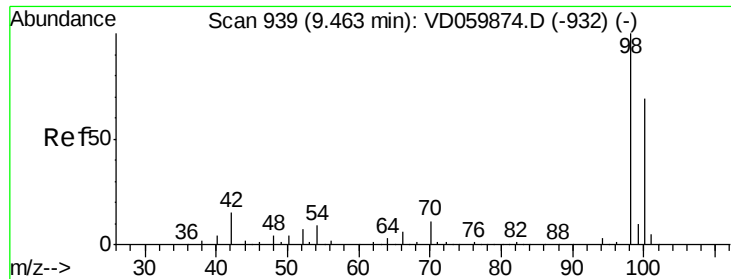
Tot Ion:	41	Resp:	1121
Ion	Ratio	Lower	Upper
41	100		
39	0.0	39.4	59.2#
67	0.0	22.2	33.2#
52	0.0	10.1	15.1#



#48
Methyl methacrylate
Concen: 1.81 ug/l
RT: 8.16 min Scan# 807
Delta R.T. -0.09 min
Lab File: VD059940.D
Acq: 31 Aug 2018 17:18

Tgt Ion:	41	Resp:	1698
Ion	Ratio	Lower	Upper
41	100		
69	0.0	48.0	72.0#
39	43.5	45.4	68.0#

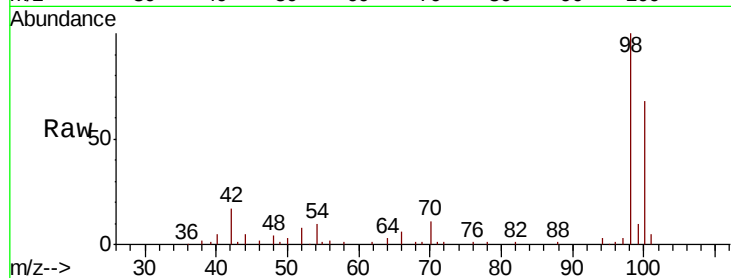




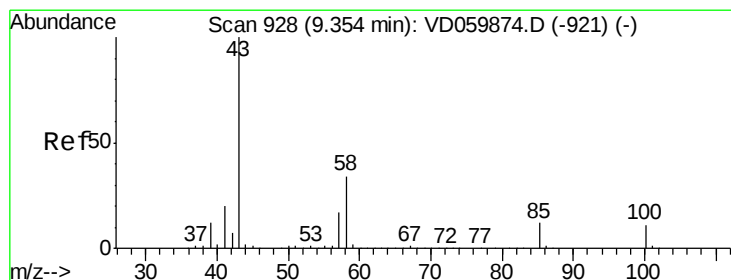
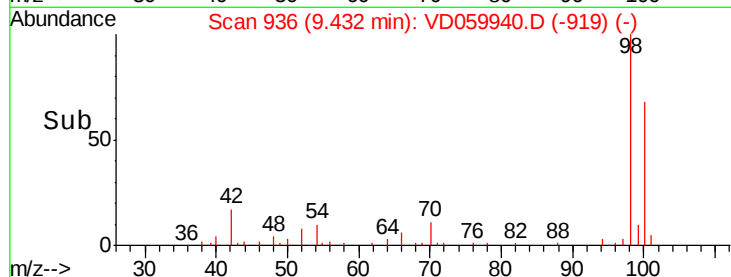
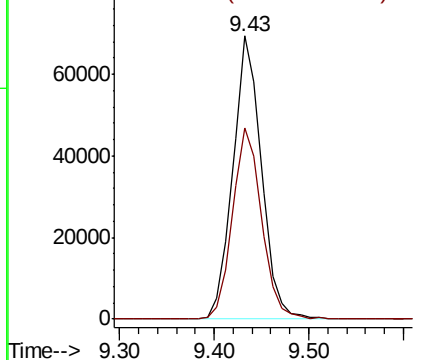
#50
Toluene-d8
Concen: N.D. ug/l
RT: 9.43 min Scan# 936
Delta R.T. -0.03 min
Lab File: VD059940.D
Acq: 31 Aug 2018 17:18

Instrument :
MSVOA_D
ClientSampleId :
BU-02-083018

Tot Ion: 98 Resp: 144539
Ion Ratio Lower Upper
98 100
100 67.7 55.8 83.6

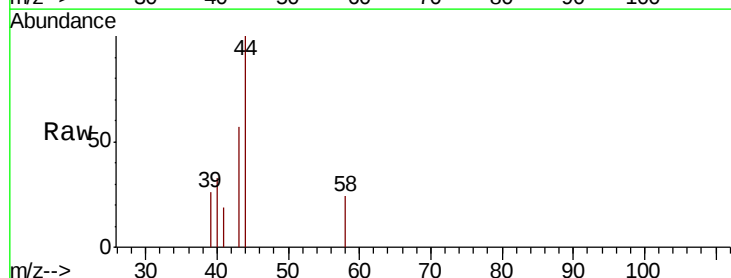


Abundance Ion 98.05 (97.75 to 98.75): VD059874.D (-932) (-)
Ion 100.05 (99.75 to 100.75): VD059874.D (-932) (-)

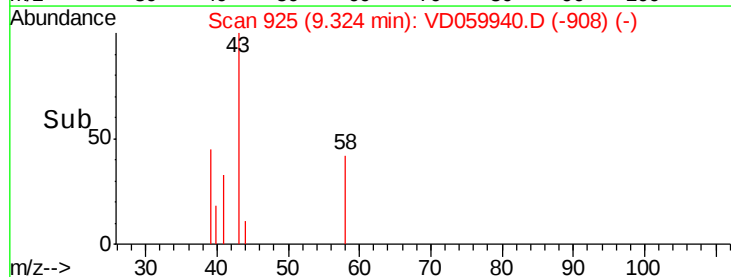
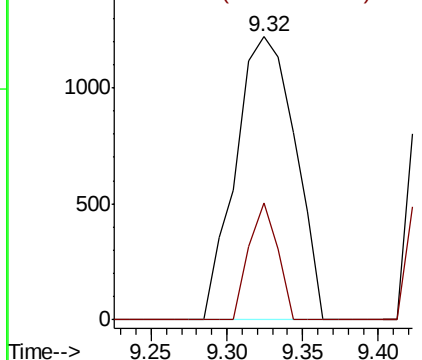


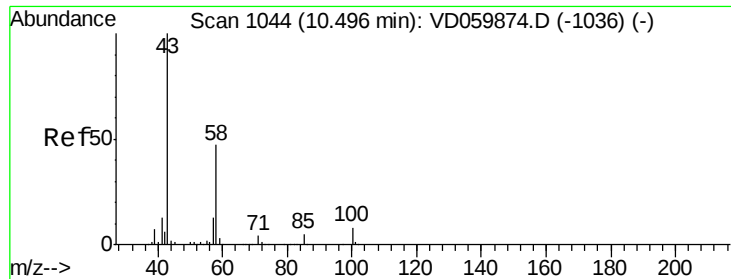
#51
4-Methyl-2-Pentanone
Concen: 2.79 ug/l
RT: 9.32 min Scan# 925
Delta R.T. -0.03 min
Lab File: VD059940.D
Acq: 31 Aug 2018 17:18

Tgt Ion: 43 Resp: 3338
Ion Ratio Lower Upper
43 100
58 41.5 27.0 40.4#



Abundance Ion 42.95 (42.65 to 43.65): VD059874.D (-921) (-)
Ion 57.95 (57.65 to 58.65): VD059874.D (-921) (-)





#59

2-Hexanone

Concen: 2.94 ug/l

RT: 10.48 min Scan# 1042

Delta R.T. -0.02 min

Lab File: VD059940.D

Acq: 31 Aug 2018 17:18

Instrument :

MSVOA_D

ClientSampleId :

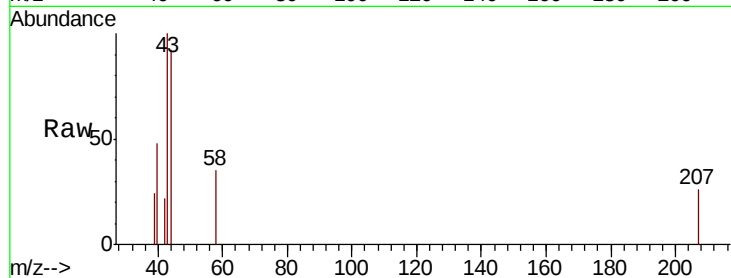
BU-02-083018

Tot Ion: 43 Resp: 2597

Ion Ratio Lower Upper

43 100

58 34.5 23.3 69.8



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

10.48

1500

1000

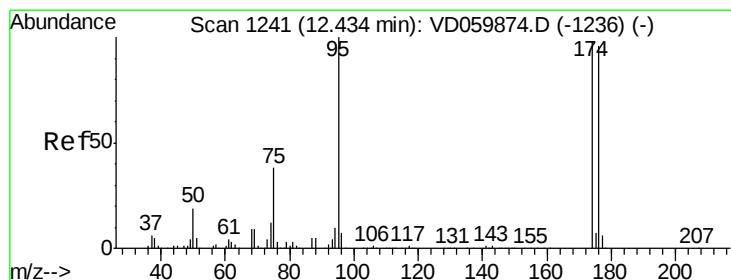
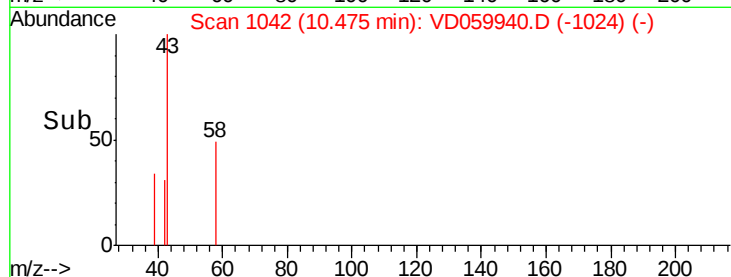
500

0

Time-->

10.45

10.50



#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 12.41 min Scan# 1239

Delta R.T. -0.02 min

Lab File: VD059940.D

Acq: 31 Aug 2018 17:18

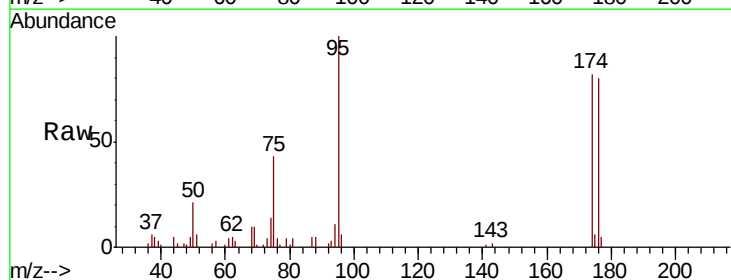
Tgt Ion: 95 Resp: 68539

Ion Ratio Lower Upper

95 100

174 81.7 0.0 195.6

176 80.4 0.0 191.2



Abundance Ion 95.00 (94.70 to 95.70): VDC

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

60000

40000

20000

0

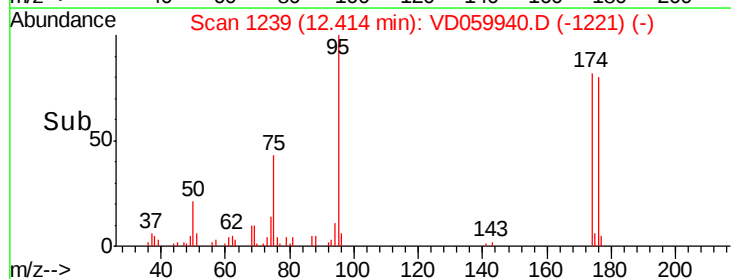
Time-->

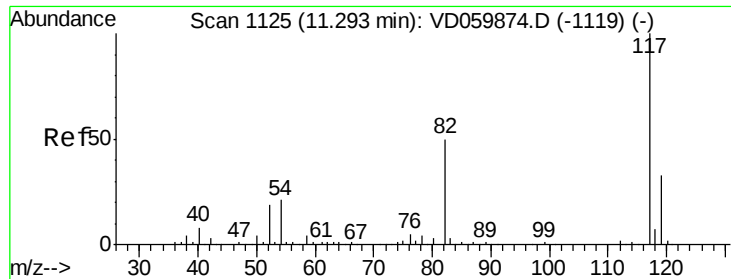
12.35

12.40

12.45

12.50

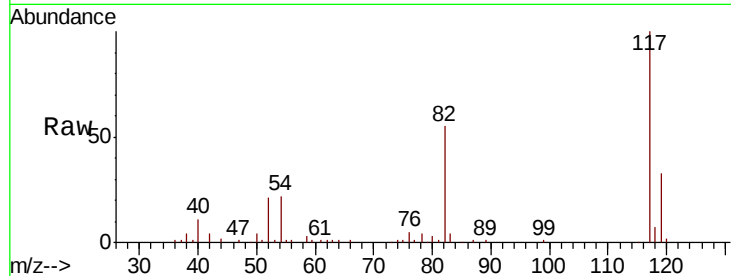




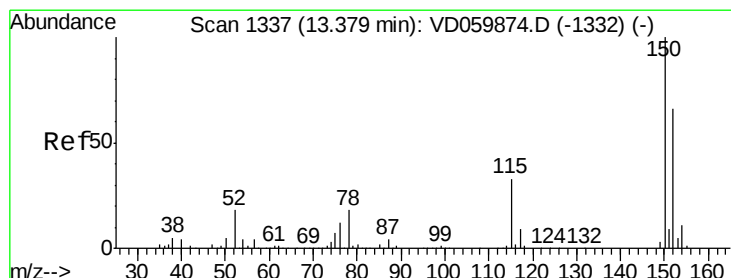
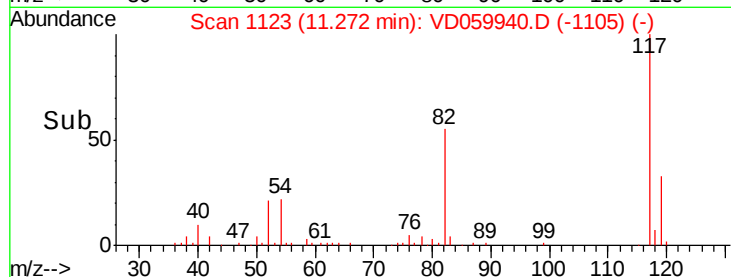
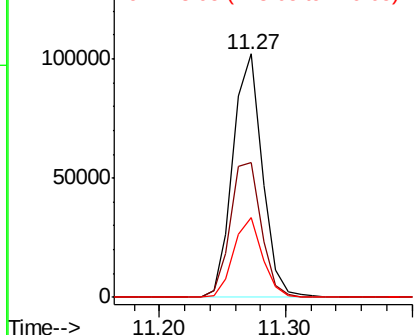
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.27 min Scan# 1123
Delta R.T. -0.02 min
Lab File: VD059940.D
Acq: 31 Aug 2018 17:18

Instrument :
MSVOA_D
ClientSampleId :
BU-02-083018

Tot Ion:117 Resp: 164747
Ion Ratio Lower Upper
117 100
82 55.2 40.1 60.1
119 32.9 26.7 40.1

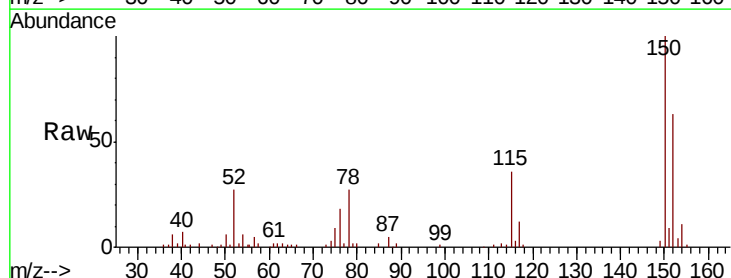


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

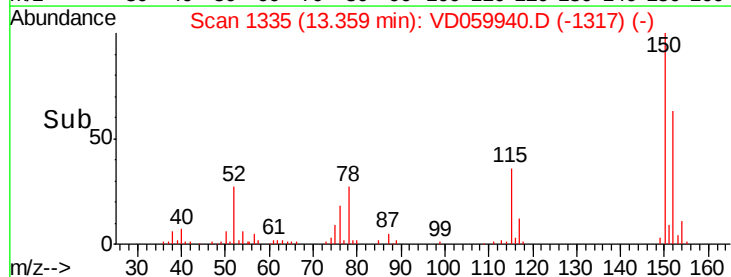
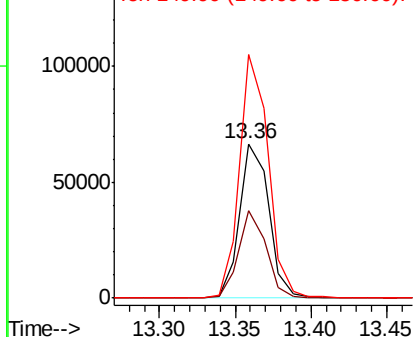


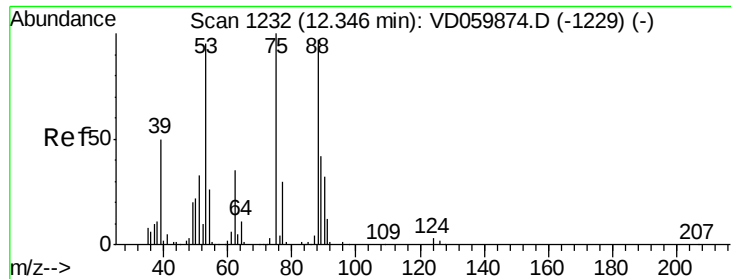
#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.36 min Scan# 1335
Delta R.T. -0.02 min
Lab File: VD059940.D
Acq: 31 Aug 2018 17:18

Tgt Ion:152 Resp: 89244
Ion Ratio Lower Upper
152 100
115 57.0 25.7 77.0
150 157.9 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: 71.96 ug/l

RT: 12.41 min Scan# 1239

Delta R.T. 0.07 min

Lab File: VD059940.D

Acq: 31 Aug 2018 17:18

Instrument :

MSVOA_D

ClientSampleId :

BU-02-083018

Tot Ion: 75 Resp: 31047

Ion Ratio Lower Upper

75 100

53 0.0 75.8 113.6#

89 0.0 33.6 50.4#

