

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD083018\
 Data File : VD059925.D
 Acq On : 30 Aug 2018 14:01
 Operator : JC/SY
 Sample : J4702-02
 Misc : 9.72g/5ml/MSVOA D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Aug 30 18:05:20 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	6.39	168	1089738	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	7.43	114	1572314	50.00	ug/l	-0.02
63) Chlorobenzene-d5	11.27	117	1213255	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	13.37	152	499806	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.77	65	397357	43.26	ug/l	-0.03
Spiked Amount			Recovery	=	86.52%	
35) Dibromofluoromethane	6.30	113	484446	39.30	ug/l	-0.03
Spiked Amount			Recovery	=	78.60%	
50) Toluene-d8	9.44	98	1205955	35.25	ug/l	-0.02
Spiked Amount			Recovery	=	70.50%	
62) 4-Bromofluorobenzene	12.42	95	440206	31.68	ug/l	0.00
Spiked Amount			Recovery	=	63.36%	

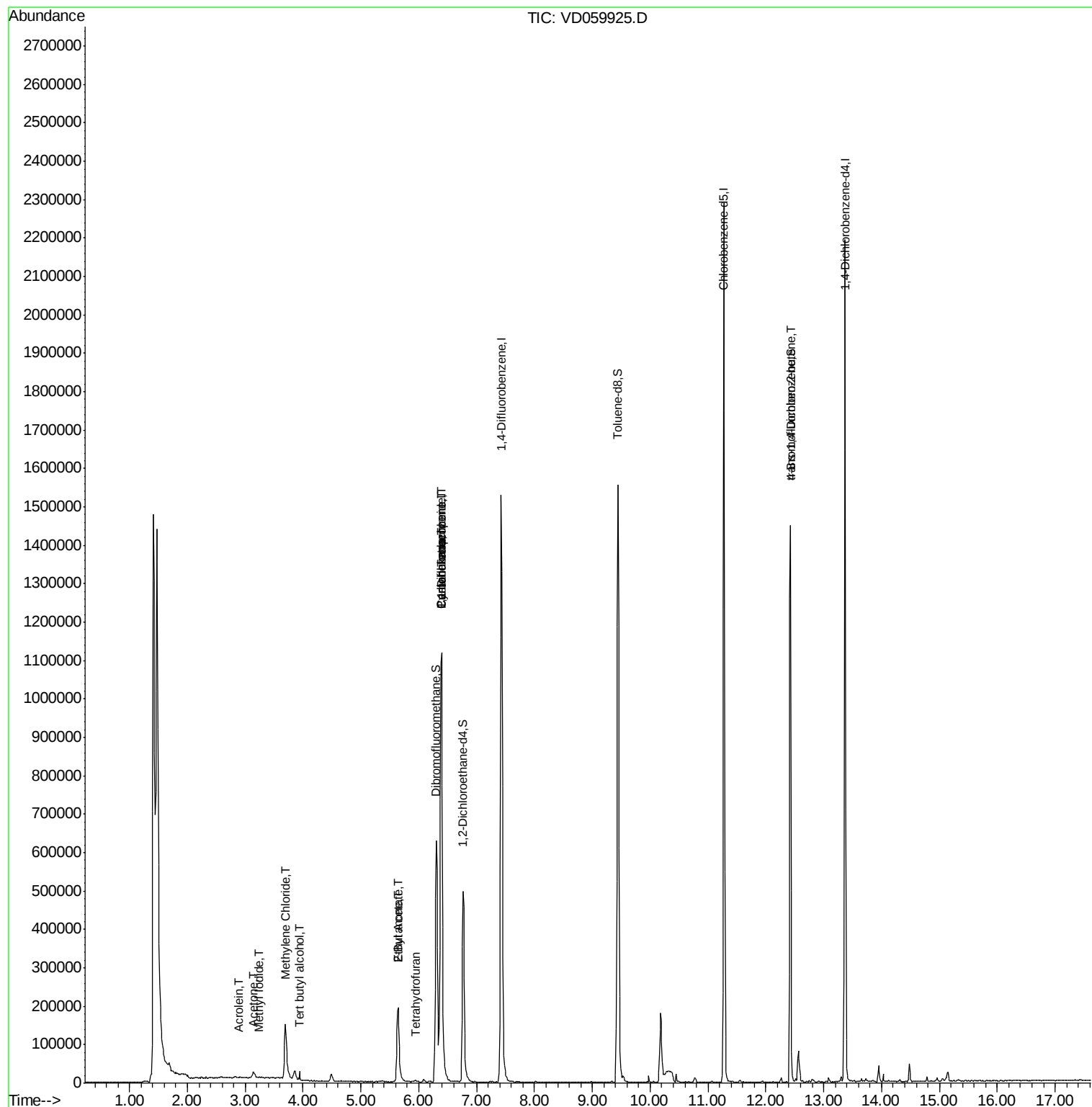
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Methyl Iodide	3.22	142	706	3.591	ug/l #	31
11) Tert butyl alcohol	3.95	59	1877	2.678	ug/l #	75
13) Acrolein	2.88	56	321	1.056	ug/l	84
16) Acetone	3.14	43	33080	19.769	ug/l	92
20) Methylene Chloride	3.70	84	86627	4.359	ug/l	96
25) 2-Butanone	5.63	43	20558	4.148	ug/l #	80
29) Tetrahydrofuran	5.94	42	3390	1.437	ug/l #	68
31) Cyclohexane	6.39	56	22055	1.261	ug/l #	1
36) 1,1-Dichloropropene	6.38	75	79754	5.596	ug/l #	46
37) Ethyl Acetate	5.63	43	20558	1.854	ug/l #	37
38) Carbon Tetrachloride	6.38	117	86885	6.040	ug/l #	15
81) trans-1,4-Dichloro-2-buten	12.41	75	175778	72.744	ug/l #	12
89) n-Butylbenzene	13.64	91	2136	Below Cal		90

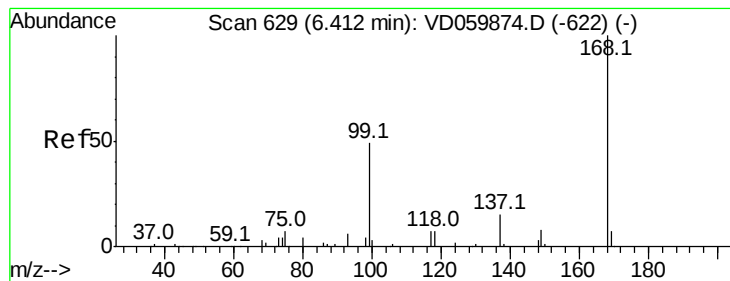
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD083018\
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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: 50.000 ug/l

RT: 6.39 min Scan# 627

Delta R.T. -0.02 min

Lab File: VD059925.D

Acq: 30 Aug 2018 14:01

Instrument :

MSVOA_D

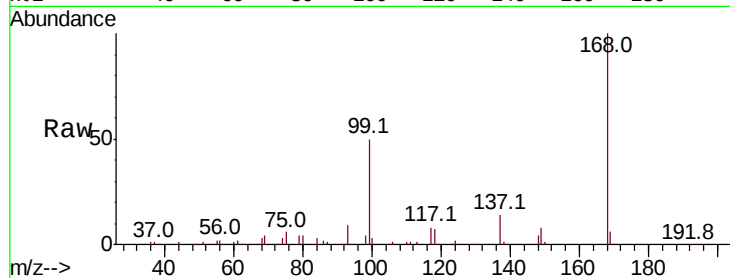
ClientSampled :

Tot Ion:168 Resp: 1089738

Ion Ratio Lower Upper

168 100

99 49.8 42.2 63.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): V

6.39

400000

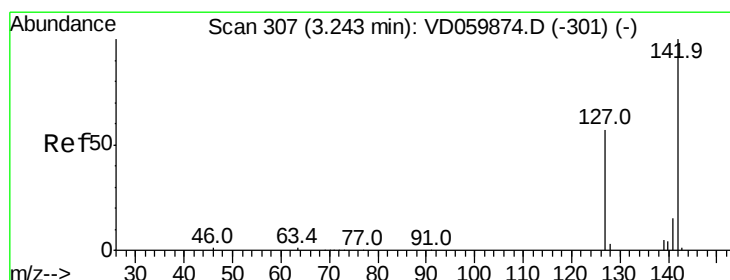
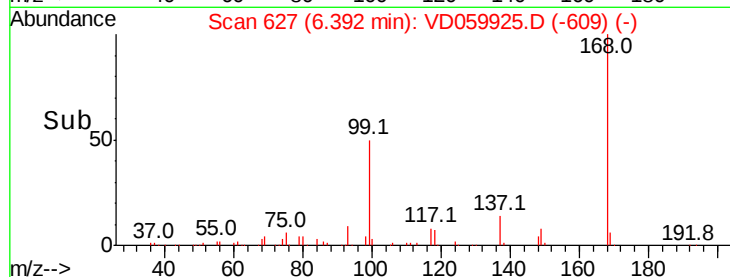
300000

200000

100000

0

Time--> 6.20 6.30 6.40 6.50 6.60



#10

Methyl Iodide

Concen: 3.591 ug/l

RT: 3.22 min Scan# 305

Delta R.T. -0.02 min

Lab File: VD059925.D

Acq: 30 Aug 2018 14:01

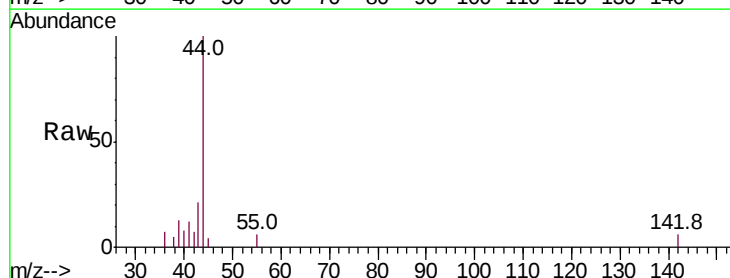
Tgt Ion:142 Resp: 706

Ion Ratio Lower Upper

142 100

127 0.0 45.8 68.6#

141 0.0 11.6 17.4#



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

3.22

600

500

400

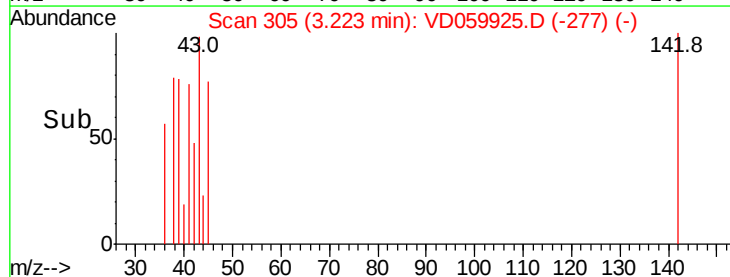
300

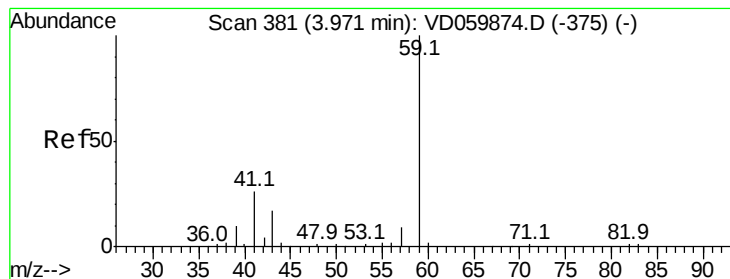
200

100

0

Time--> 3.18 3.20 3.22 3.24 3.26



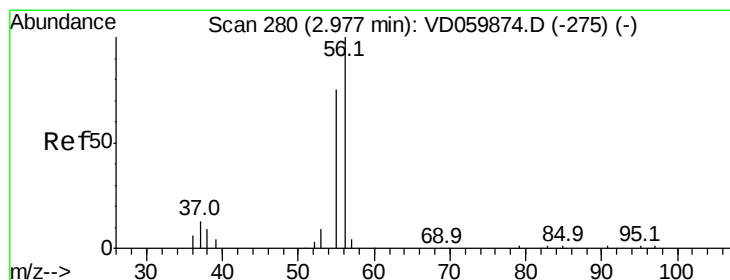
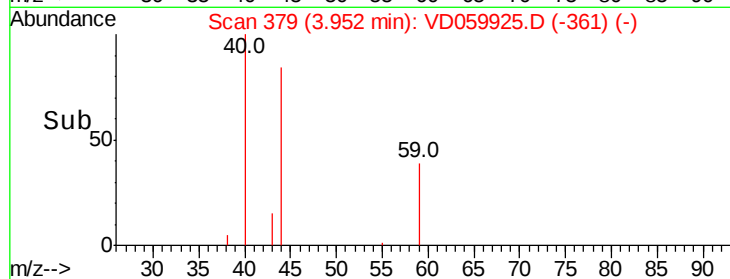
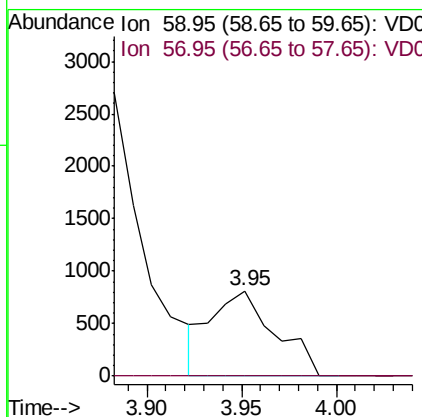
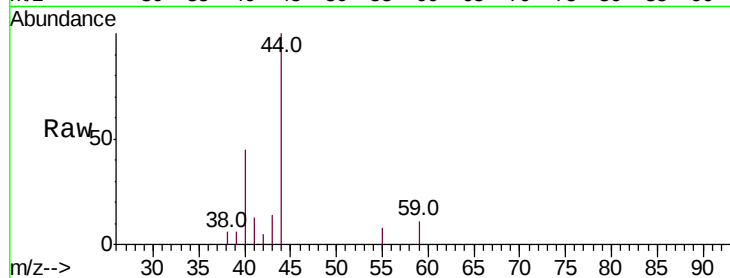


#11

Tert butyl alcohol
Concen: 2.678 ug/l
RT: 3.95 min Scan# 379
Delta R.T. -0.02 min
Lab File: VD059925.D
Acq: 30 Aug 2018 14:01

Instrument :
MSVOA_D
ClientSampled :

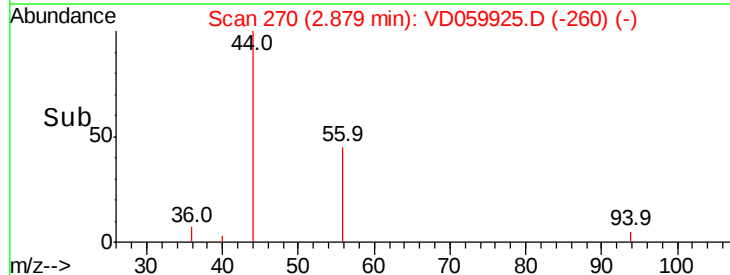
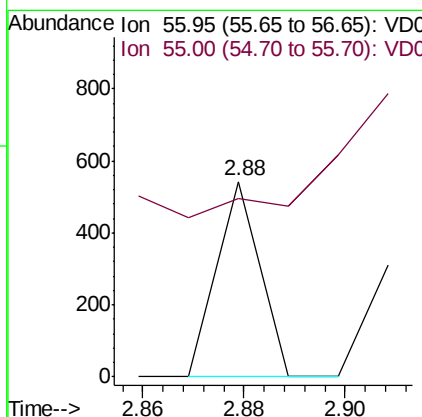
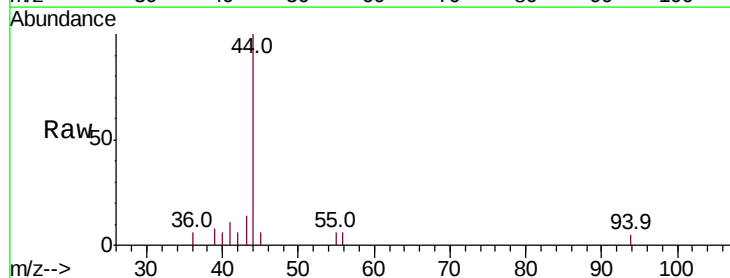
Tot Ion: 59 Resp: 1877
Ion Ratio Lower Upper
59 100
57 0.0 7.4 11.0#

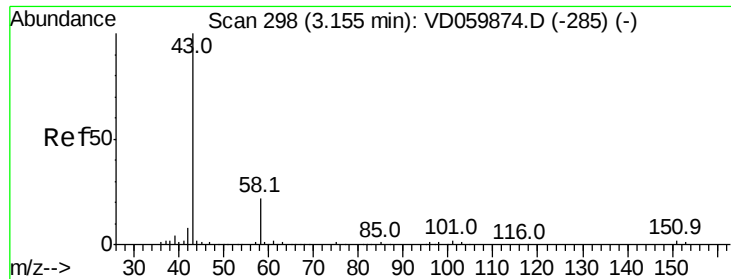


#13

Acrolein
Concen: 1.056 ug/l
RT: 2.88 min Scan# 270
Delta R.T. -0.10 min
Lab File: VD059925.D
Acq: 30 Aug 2018 14:01

Tgt Ion: 56 Resp: 321
Ion Ratio Lower Upper
56 100
55 91.5 61.9 92.9





#16

Acetone

Concen: 19.769 ug/l

RT: 3.14 min Scan# 297

Delta R.T. -0.01 min

Lab File: VD059925.D

Acq: 30 Aug 2018 14:01

Instrument :

MSVOA_D

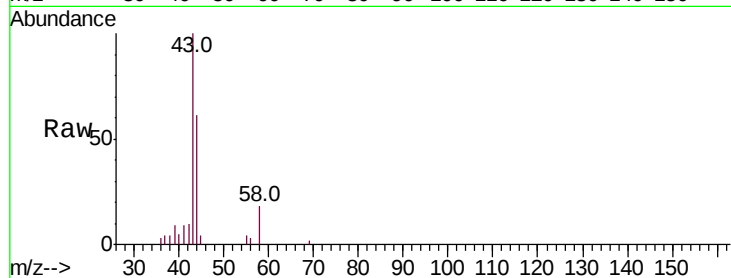
ClientSampleId :

Tot Ion: 43 Resp: 33080

Ion Ratio Lower Upper

43 100

58 18.2 17.6 26.4



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

15000

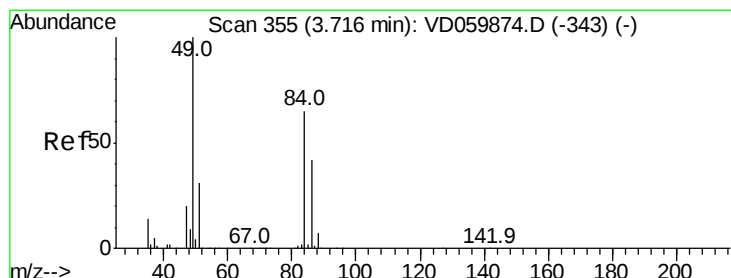
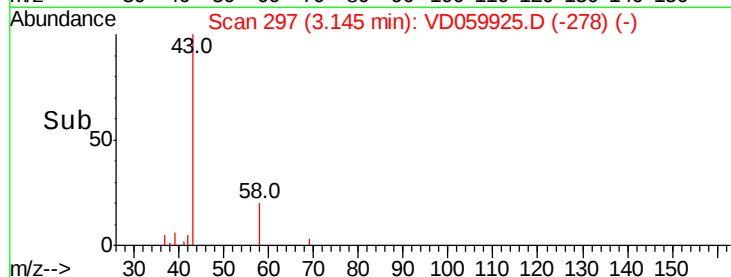
10000

5000

0

Time--> 3.00 3.10 3.20 3.30

3.14



#20

Methylene Chloride

Concen: 4.359 ug/l

RT: 3.70 min Scan# 353

Delta R.T. -0.02 min

Lab File: VD059925.D

Acq: 30 Aug 2018 14:01

Tgt Ion: 84 Resp: 86627

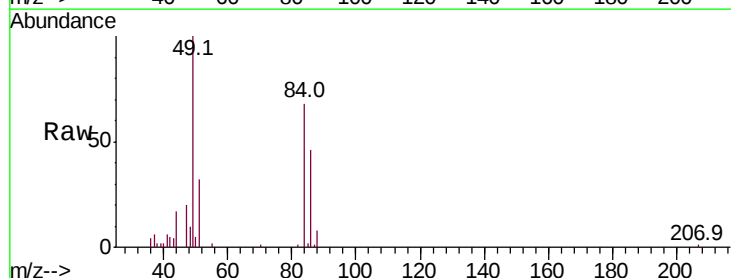
Ion Ratio Lower Upper

84 100

49 146.4 122.6 183.8

51 46.9 38.4 57.6

86 66.8 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

60000

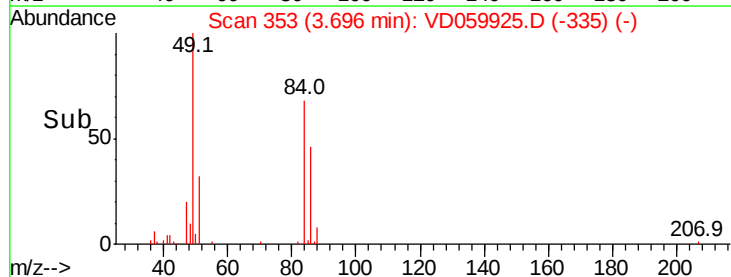
40000

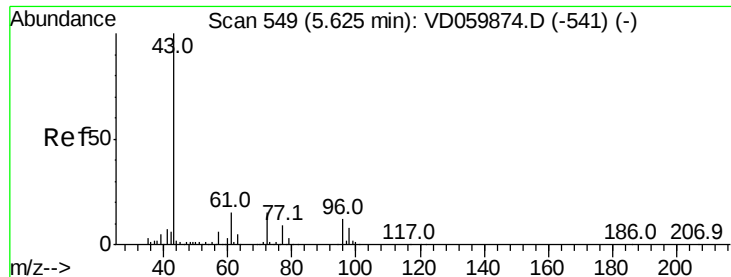
20000

0

Time--> 3.60 3.70 3.80 3.90

3.70





#25

2-Butanone

Concen: 4.148 ug/l

RT: 5.63 min Scan# 550

Delta R.T. 0.01 min

Lab File: VD059925.D

Acq: 30 Aug 2018 14:01

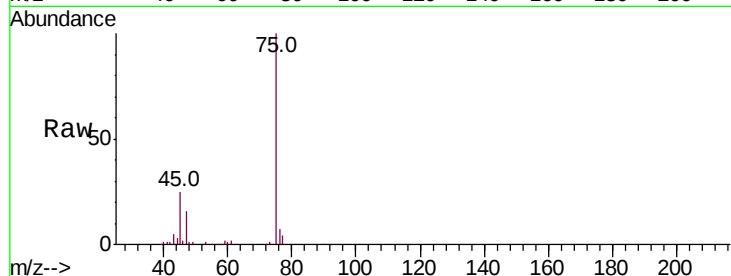
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 43 Resp: 20558

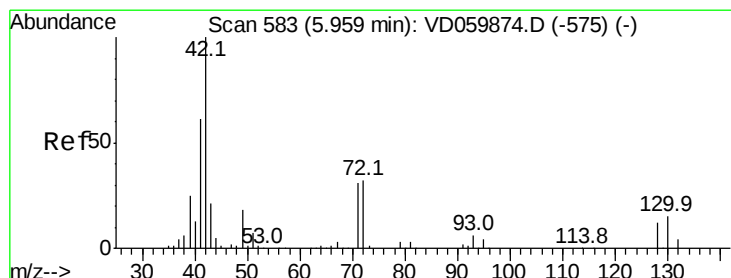
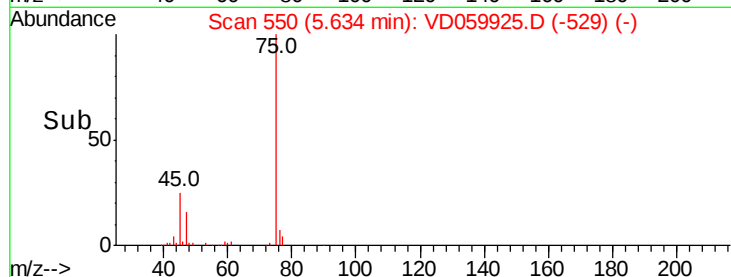
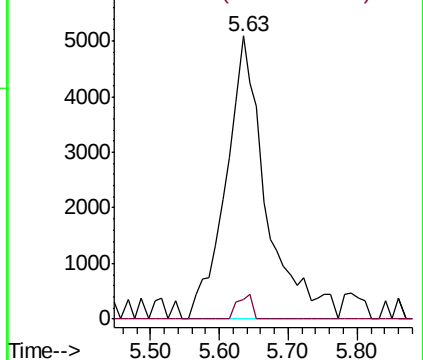
Ion Ratio Lower Upper

43 100

72 6.9 12.3 18.5#



Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 72.00 (71.70 to 72.70): VDC



#29

Tetrahydrofuran

Concen: 1.437 ug/l

RT: 5.94 min Scan# 581

Delta R.T. -0.02 min

Lab File: VD059925.D

Acq: 30 Aug 2018 14:01

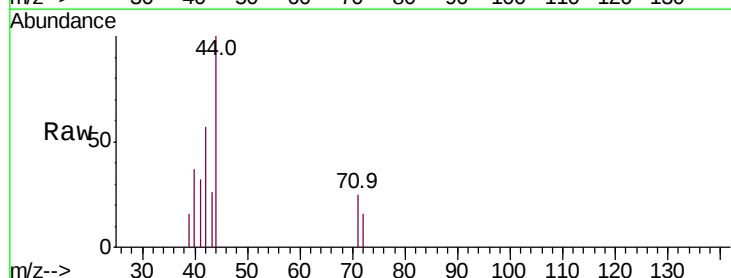
Tgt Ion: 42 Resp: 3390

Ion Ratio Lower Upper

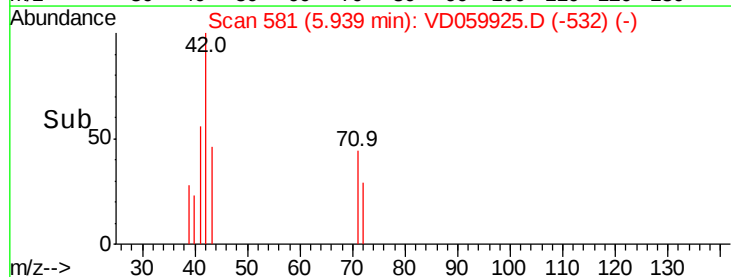
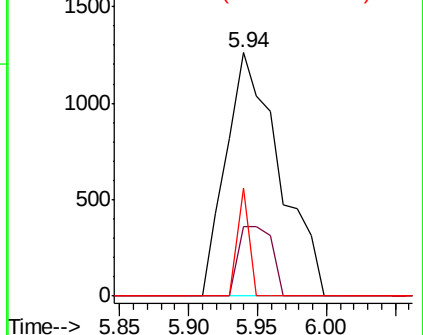
42 100

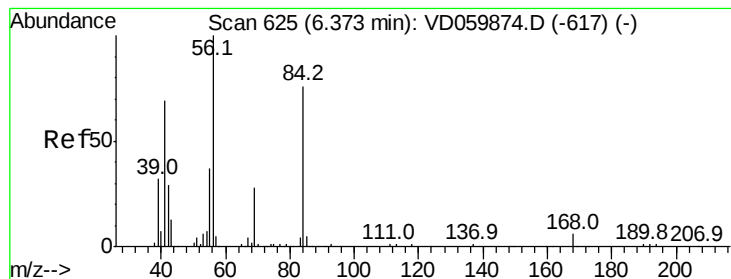
72 18.1 25.7 38.5#

71 9.7 25.3 37.9#



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: 1.261 ug/l

RT: 6.39 min Scan# 627

Delta R.T. 0.02 min

Lab File: VD059925.D

Acq: 30 Aug 2018 14:01

Instrument :

MSVOA_D

ClientSampleId :

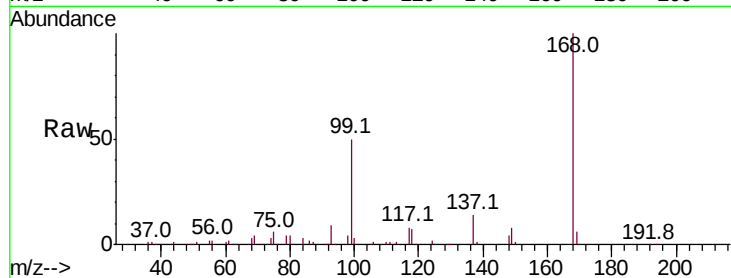
Tot Ion: 56 Resp: 22055

Ion Ratio Lower Upper

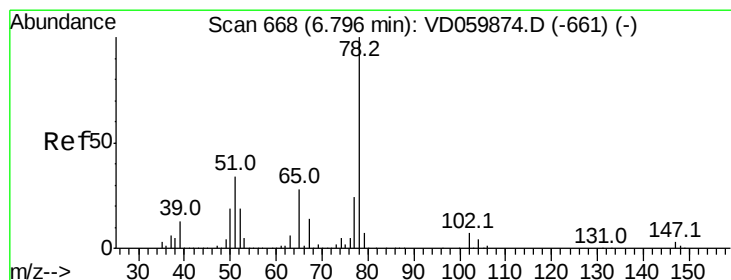
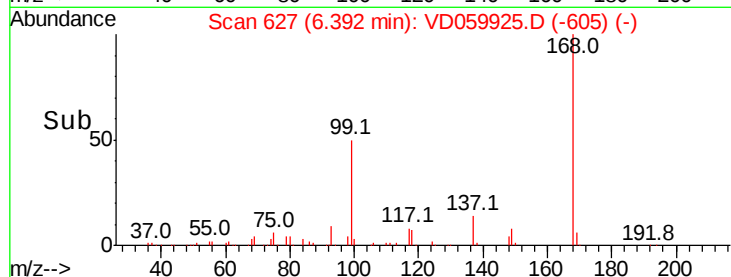
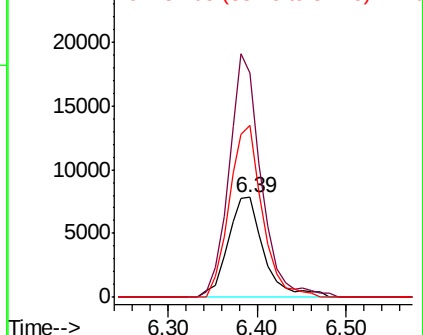
56 100

69 225.7 22.4 33.6#

84 172.5 62.1 93.1#



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: 6.77 min Scan# 665

Delta R.T. -0.03 min

Lab File: VD059925.D

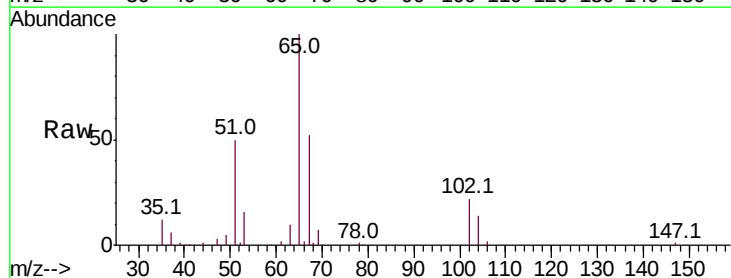
Acq: 30 Aug 2018 14:01

Tgt Ion: 65 Resp: 397357

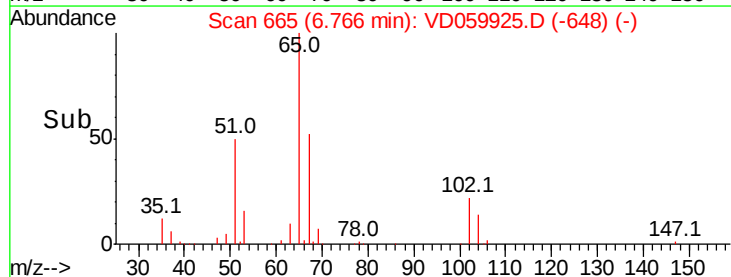
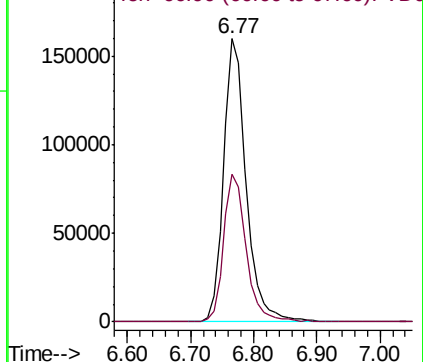
Ion Ratio Lower Upper

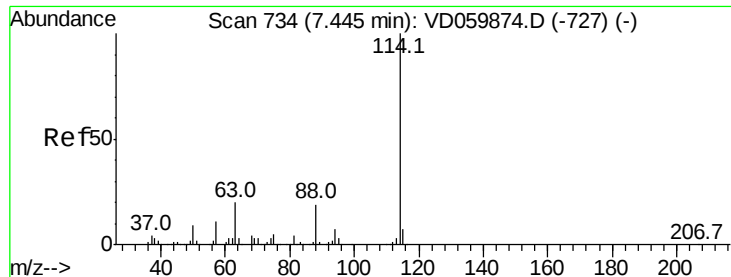
65 100

67 52.0 0.0 103.8



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: 7.43 min Scan# 732

Delta R.T. -0.02 min

Lab File: VD059925.D

Acq: 30 Aug 2018 14:01

Instrument :

MSVOA_D

ClientSampleId :

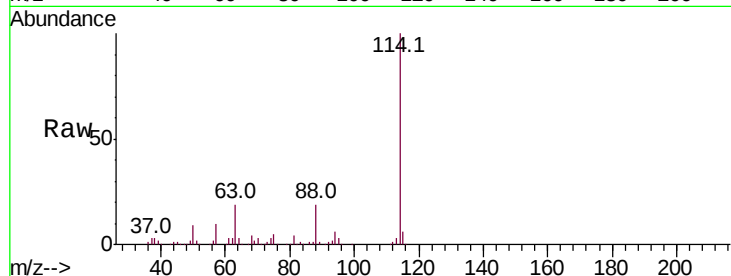
Tot Ion:114 Resp: 1572314

Ion Ratio Lower Upper

114 100

63 19.1 0.0 39.4

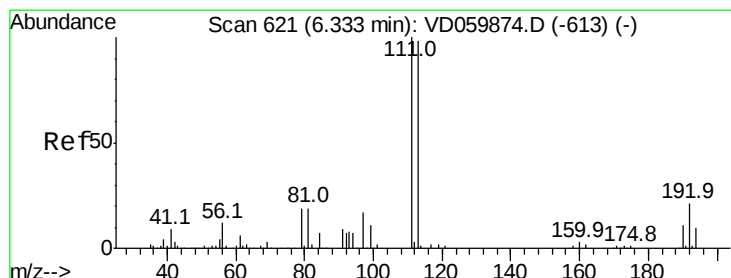
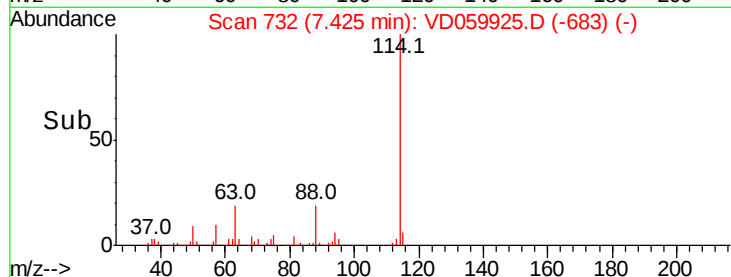
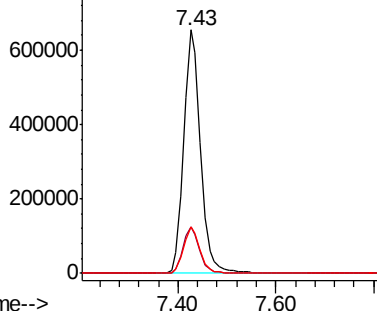
88 19.0 0.0 37.6



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: 6.30 min Scan# 618

Delta R.T. -0.03 min

Lab File: VD059925.D

Acq: 30 Aug 2018 14:01

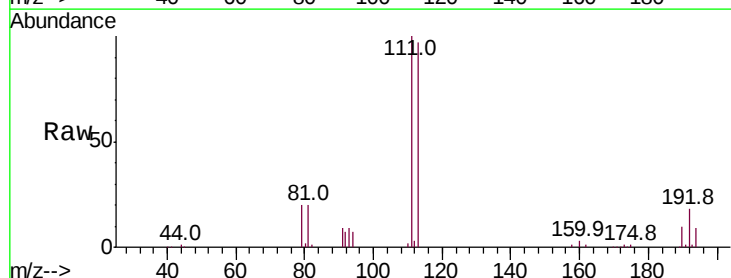
Tgt Ion:113 Resp: 484446

Ion Ratio Lower Upper

113 100

111 102.6 81.4 122.2

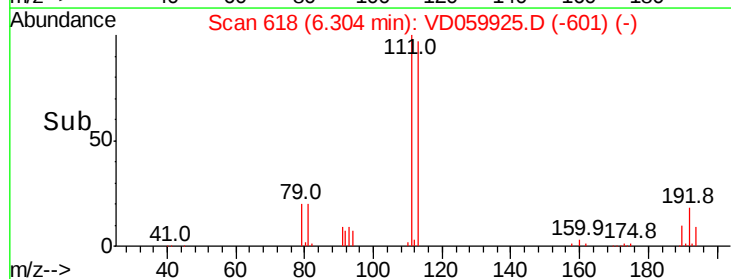
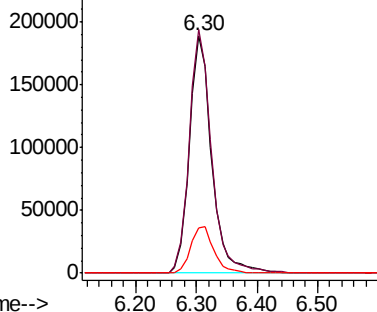
192 19.0 17.0 25.6

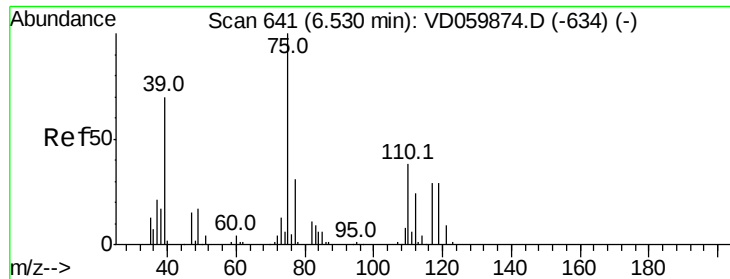


Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V





#36

1,1-Dichloropropene

Concen: 5.596 ug/l

RT: 6.38 min Scan# 626

Delta R.T. -0.15 min

Lab File: VD059925.D

Acq: 30 Aug 2018 14:01

Instrument :

MSVOA_D

ClientSampled :

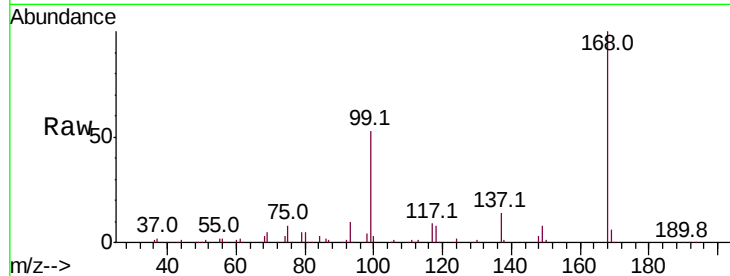
Tot Ion: 75 Resp: 79754

Ion Ratio Lower Upper

75 100

110 6.3 18.6 56.0#

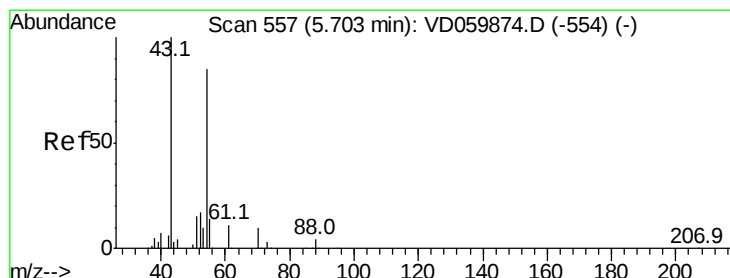
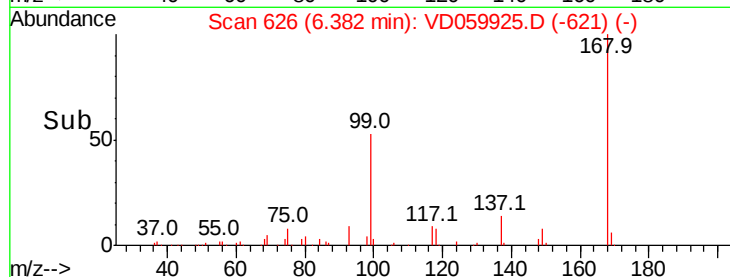
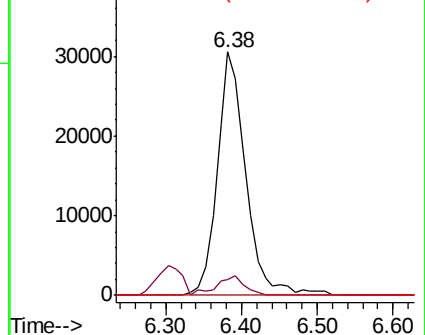
77 0.0 25.1 37.7#



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: 1.854 ug/l

RT: 5.63 min Scan# 550

Delta R.T. -0.07 min

Lab File: VD059925.D

Acq: 30 Aug 2018 14:01

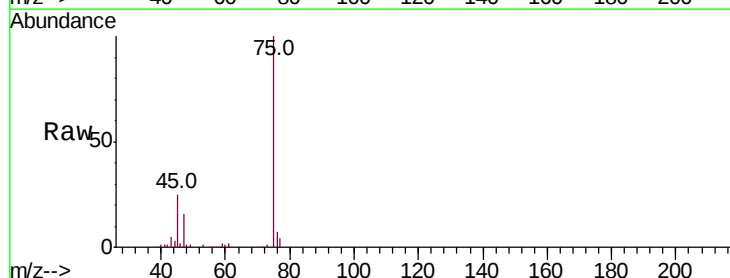
Tgt Ion: 43 Resp: 20558

Ion Ratio Lower Upper

43 100

61 48.0 11.0 16.6#

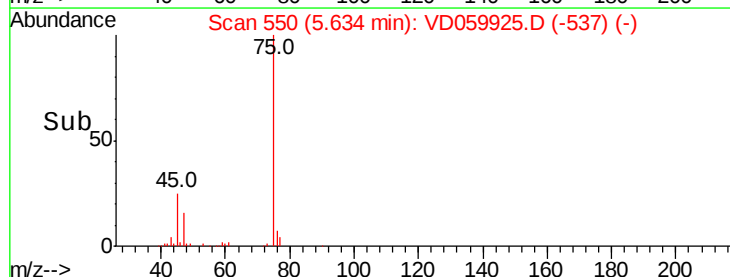
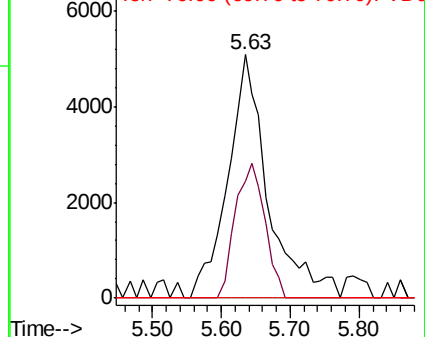
70 0.0 5.7 8.5#

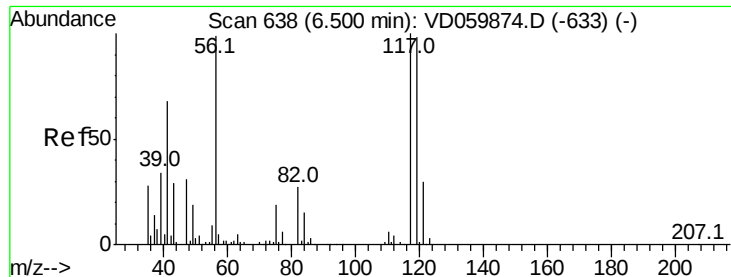


Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 70.00 (69.70 to 70.70): VDC





#38

Carbon Tetrachloride

Concen: 6.040 ug/l

RT: 6.38 min Scan# 626

Delta R.T. -0.12 min

Lab File: VD059925.D

Acq: 30 Aug 2018 14:01

Instrument :

MSVOA_D

ClientSampled :

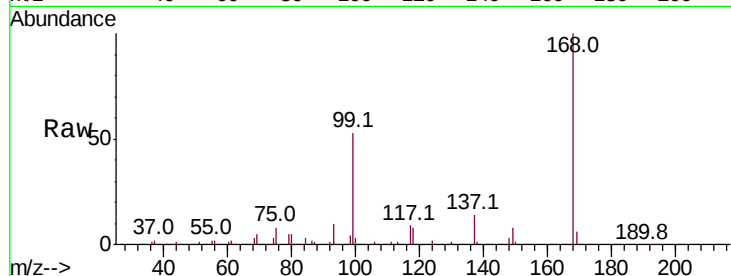
Tot Ion:117 Resp: 86885

Ion Ratio Lower Upper

117 100

119 3.9 77.2 115.8#

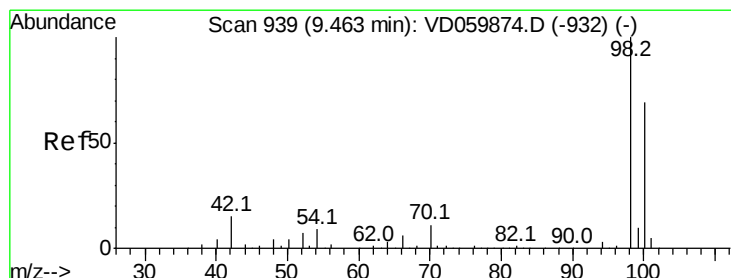
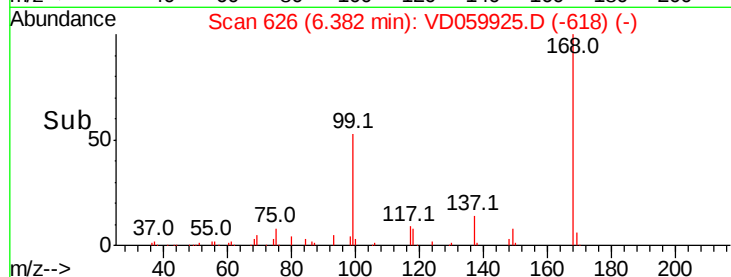
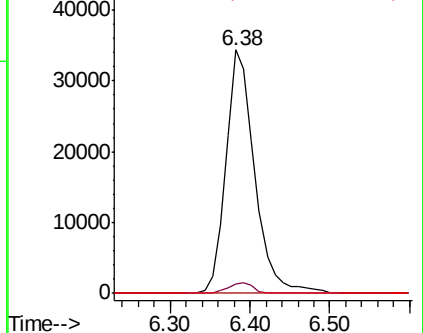
121 0.0 24.0 36.0#



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# 937

Delta R.T. -0.02 min

Lab File: VD059925.D

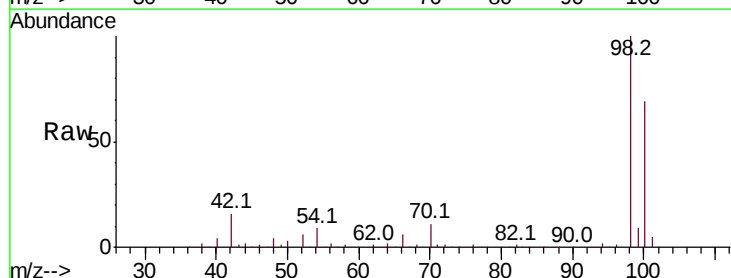
Acq: 30 Aug 2018 14:01

Tgt Ion: 98 Resp: 1205955

Ion Ratio Lower Upper

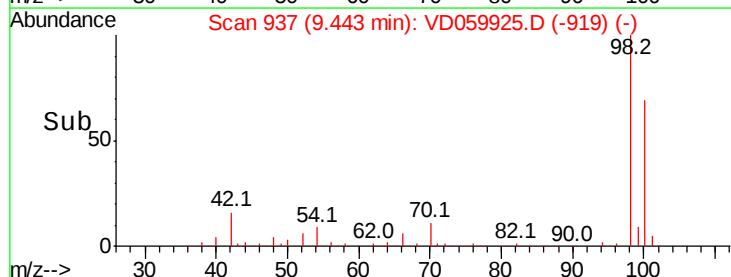
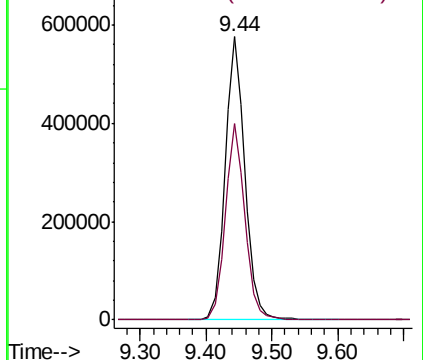
98 100

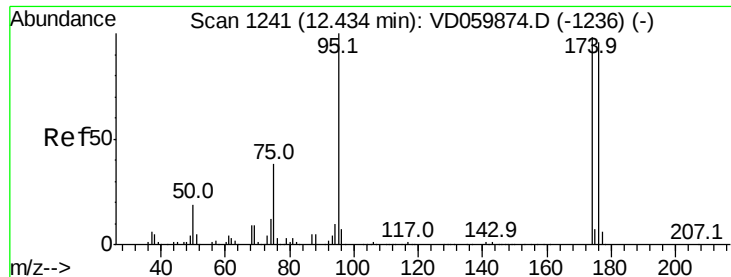
100 69.4 55.8 83.6



Abundance Ion 98.05 (97.75 to 98.75): V

Ion 100.05 (99.75 to 100.75): V

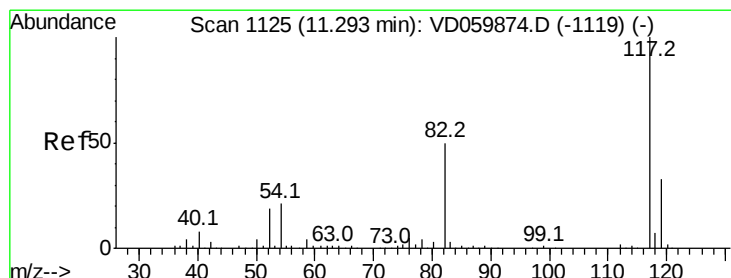
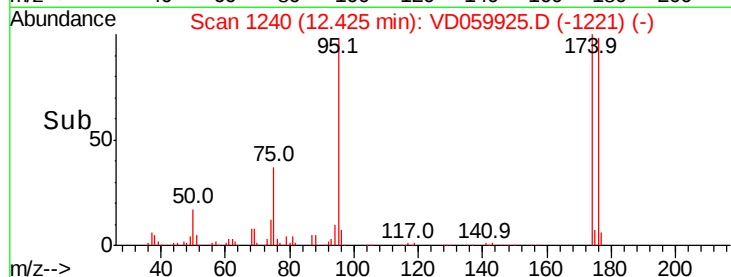
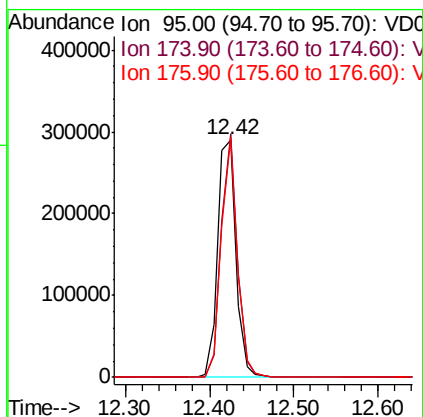
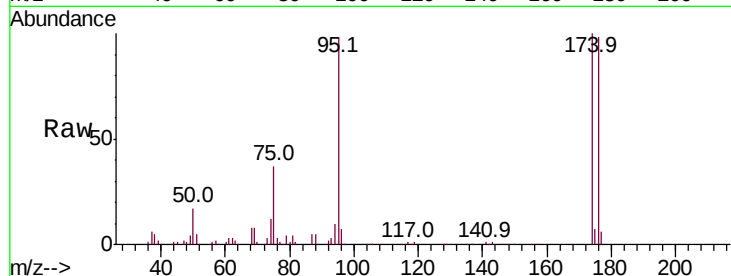




#62
4-Bromofluorobenzene
Concen: N.D. ug/l
RT: 12.42 min Scan# 1240
Delta R.T. -0.01 min
Lab File: VD059925.D
Acq: 30 Aug 2018 14:01

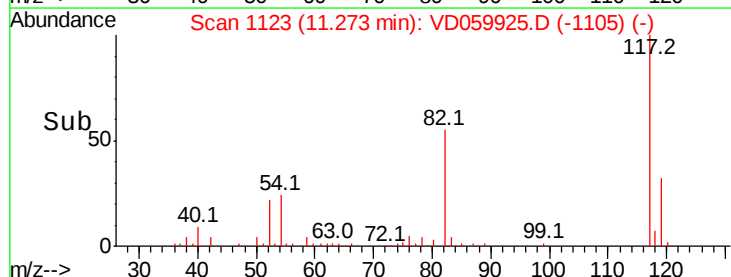
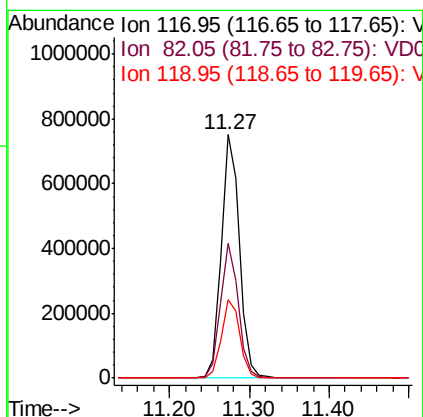
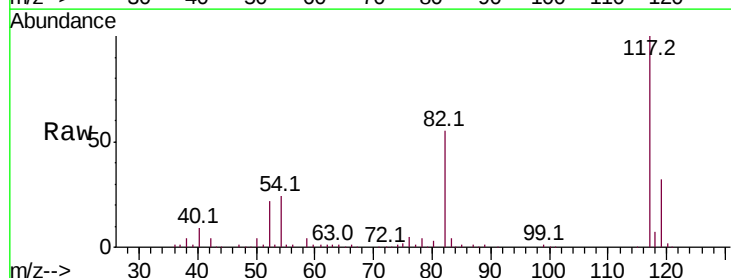
Instrument :
MSVOA_D
ClientSampleId :

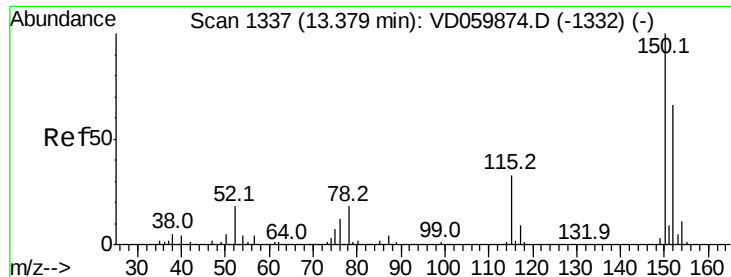
Tot Ion: 95 Resp: 440206
Ion Ratio Lower Upper
95 100
174 102.5 0.0 195.6
176 100.7 0.0 191.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.27 min Scan# 1123
Delta R.T. -0.02 min
Lab File: VD059925.D
Acq: 30 Aug 2018 14:01

Tgt Ion: 117 Resp: 1213255
Ion Ratio Lower Upper
117 100
82 55.4 40.1 60.1
119 32.1 26.7 40.1



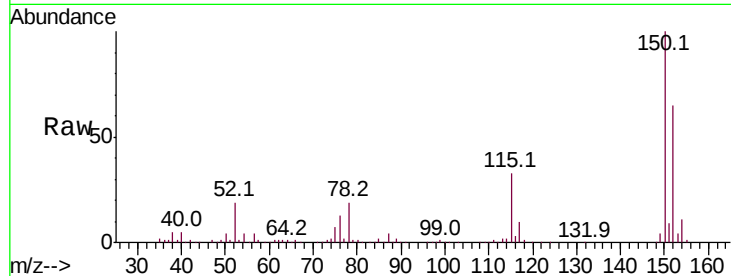


#72

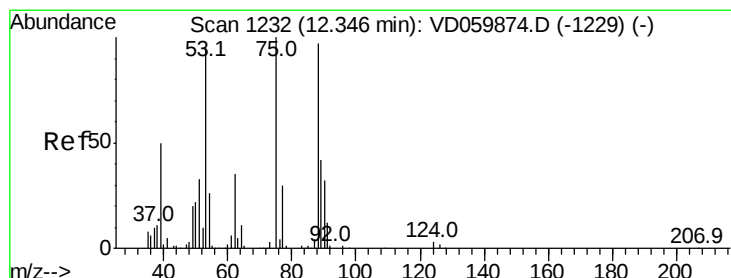
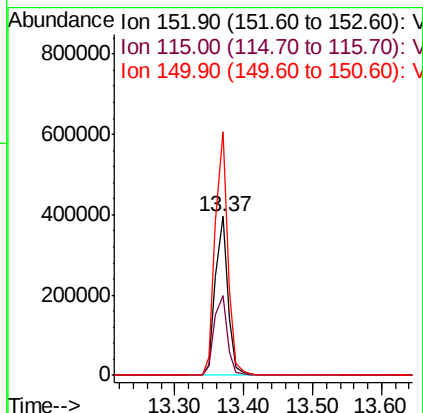
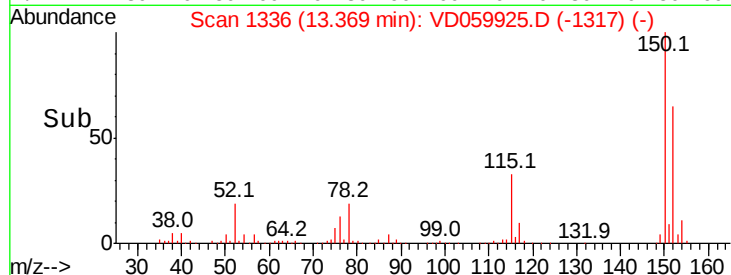
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.37 min Scan# 1336
Delta R.T. -0.01 min
Lab File: VD059925.D
Acq: 30 Aug 2018 14:01

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:152 Resp: 499806
Ion Ratio Lower Upper
152 100
115 50.4 25.7 77.0
150 153.3 0.0 310.2



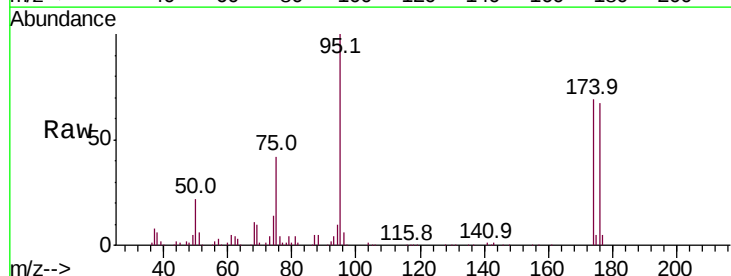
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 115.00 (114.70 to 115.70): V
Ion 149.90 (149.60 to 150.60): V



#81

trans-1,4-Dichloro-2-butene
Concen: 72.744 ug/l
RT: 12.41 min Scan# 1239
Delta R.T. 0.07 min
Lab File: VD059925.D
Acq: 30 Aug 2018 14:01

Tgt Ion: 75 Resp: 175778
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

