

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD090418\
 Data File : VD059958.D
 Acq On : 4 Sep 2018 21:42
 Operator : JC/SY
 Sample : J4724-12
 Misc : 6.12g/5ml/MSVOA D/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 EP1-SUT-UST-11

Quant Time: Sep 05 03:55:39 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	909356	50.00	ug/l	-0.04
34) 1,4-Difluorobenzene	7.41	114	1246627	50.00	ug/l	-0.04
63) Chlorobenzene-d5	11.27	117	1041824	50.00	ug/l	-0.03
72) 1,4-Dichlorobenzene-d4	13.36	152	599146	50.00	ug/l	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.75	65	361960	47.23	ug/l	-0.05
Spiked Amount 50.000			Recovery	=	94.46%	
35) Dibromofluoromethane	6.29	113	438161	44.83	ug/l	-0.05
Spiked Amount 50.000			Recovery	=	89.66%	
50) Toluene-d8	9.43	98	1149360	42.37	ug/l	-0.04
Spiked Amount 50.000			Recovery	=	84.74%	
62) 4-Bromofluorobenzene	12.41	95	457215	41.50	ug/l	-0.03
Spiked Amount 50.000			Recovery	=	83.00%	

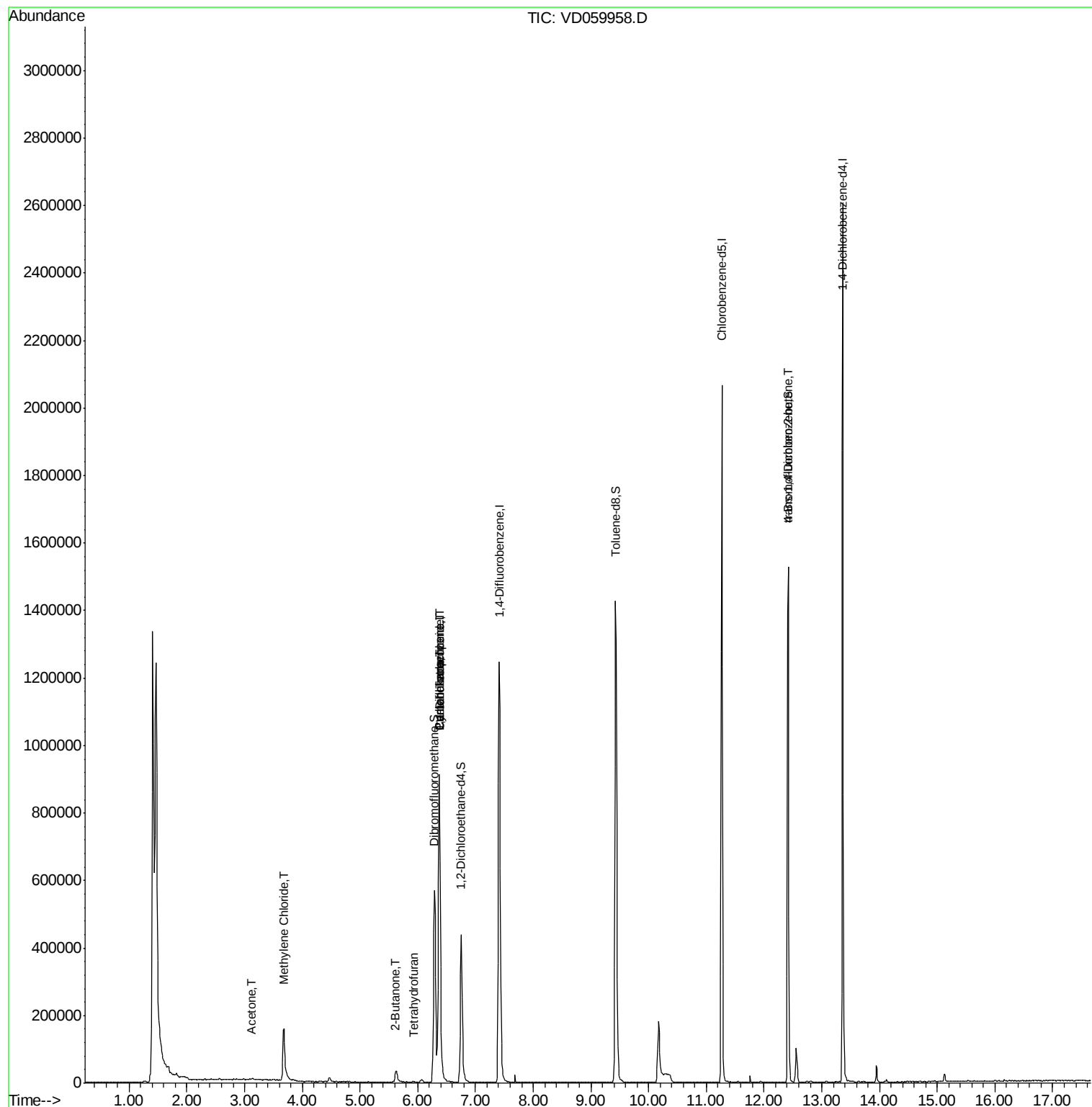
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.13	43	12357	8.85	ug/l #	79
20) Methylene Chloride	3.68	84	81599	5.44	ug/l	96
25) 2-Butanone	5.60	43	5687	1.38	ug/l #	63
29) Tetrahydrofuran	5.93	42	2293	1.16	ug/l #	43
31) Cyclohexane	6.37	56	17370	1.19	ug/l #	1
36) 1,1-Dichloropropene	6.37	75	64305	5.69	ug/l #	47
38) Carbon Tetrachloride	6.37	117	71749	6.29	ug/l #	15
81) trans-1,4-Dichloro-2-buten	12.41	75	191090	65.97	ug/l #	12
89) n-Butylbenzene	13.64	91	821	Below Cal	#	29

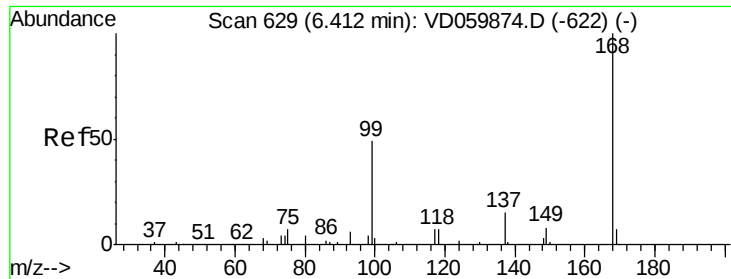
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Sep 05 03:55:39 2018
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: VD059958.D

Acq: 4 Sep 2018 21:42

Instrument :

MSVOA_D

ClientSampleId :

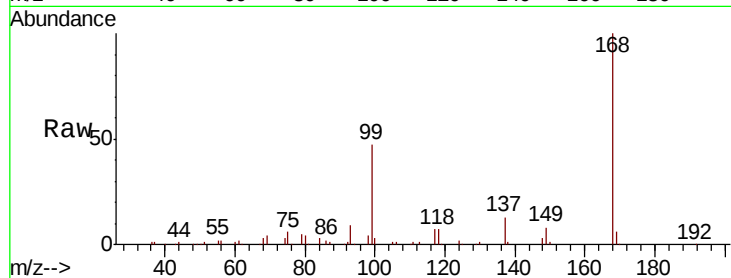
EP1-SUT-UST-11

Tot Ion:168 Resp: 909356

Ion Ratio Lower Upper

168 100

99 46.8 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

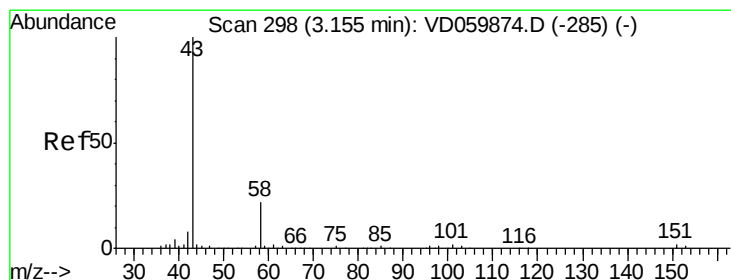
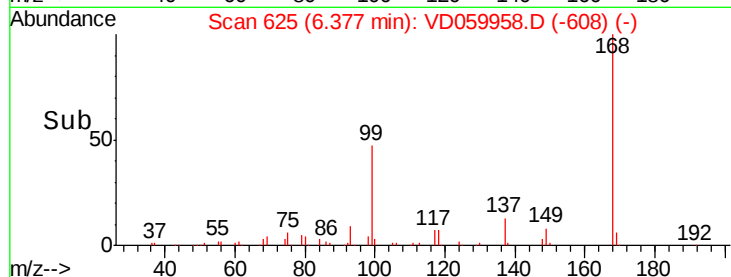
200000

100000

0

Time-->

6.20 6.30 6.40 6.50 6.60



#16

Acetone

Concen: 8.85 ug/l

RT: 3.13 min Scan# 295

Delta R.T. -0.03 min

Lab File: VD059958.D

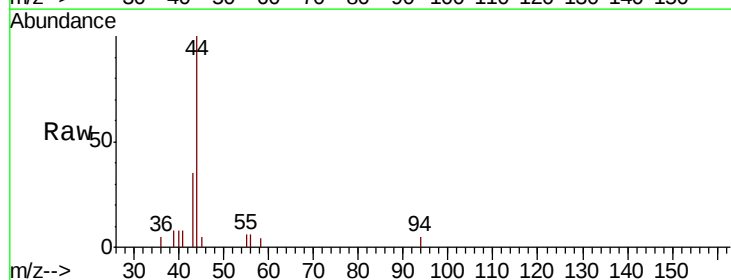
Acq: 4 Sep 2018 21:42

Tgt Ion: 43 Resp: 12357

Ion Ratio Lower Upper

43 100

58 12.2 17.6 26.4#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

3000

2500

2000

1500

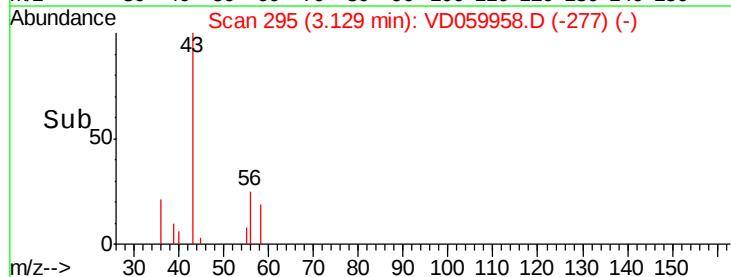
1000

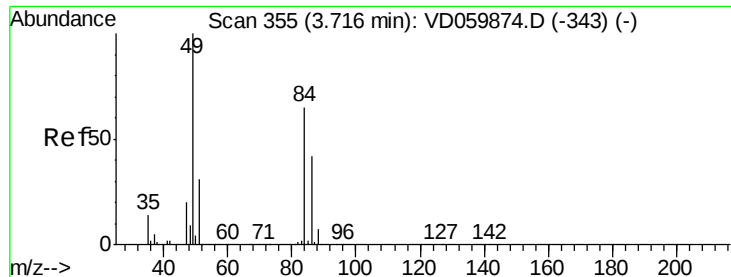
500

0

Time-->

3.00 3.10 3.20

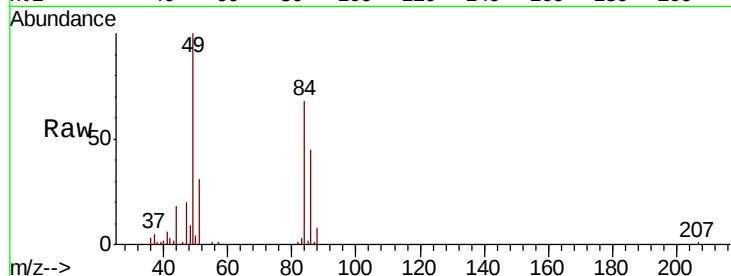




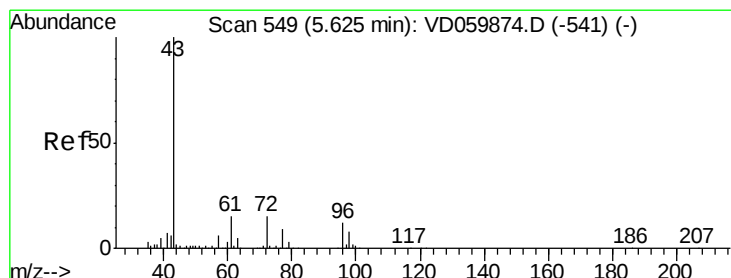
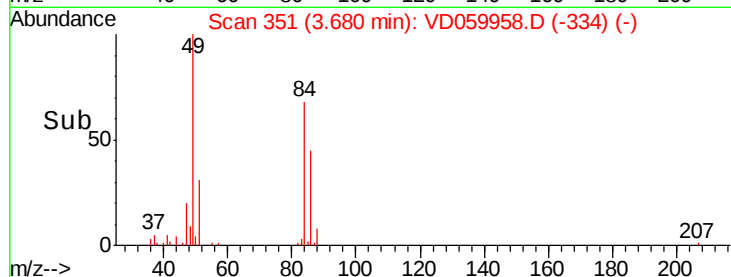
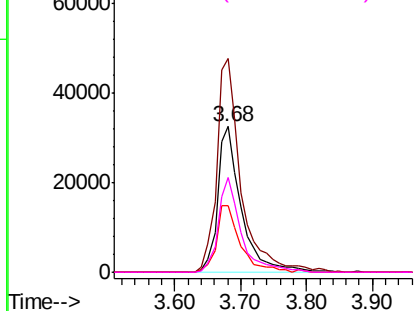
#20
Methylene Chloride
Concen: 5.44 ug/l
RT: 3.68 min Scan# 351
Delta R.T. -0.03 min
Lab File: VD059958.D
Acq: 4 Sep 2018 21:42

Instrument :
MSVOA_D
ClientSampleId :
EP1-SUT-UST-11

Tot Ion: 84 Resp: 81599
Ion Ratio Lower Upper
84 100
49 146.8 122.6 183.8
51 45.4 38.4 57.6
86 65.5 51.5 77.3

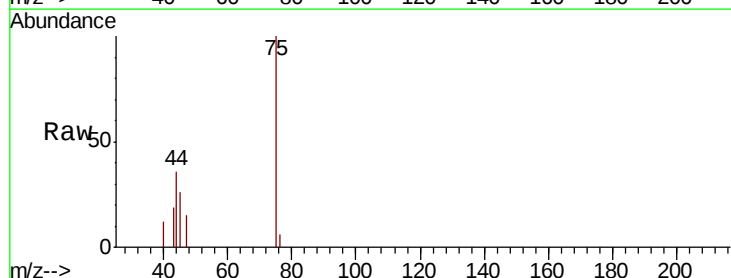


Abundance Ion 83.95 (83.65 to 84.65): VDC
Ion 48.90 (48.60 to 49.60): VDC
Ion 50.90 (50.60 to 51.60): VDC
Ion 85.90 (85.60 to 86.60): VDC

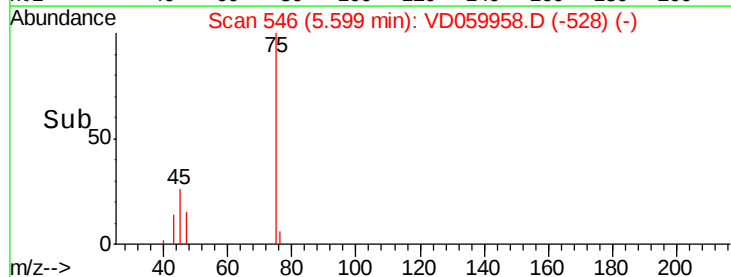
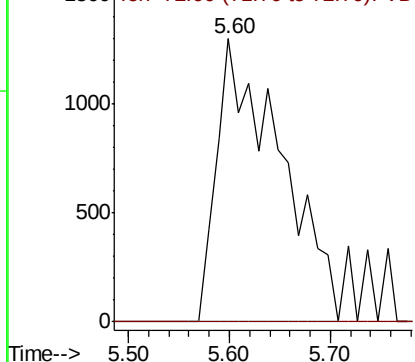


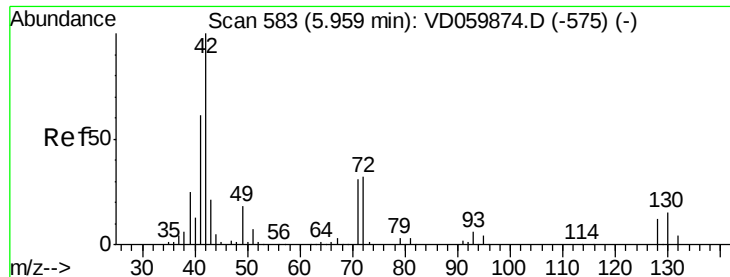
#25
2-Butanone
Concen: 1.38 ug/l
RT: 5.60 min Scan# 546
Delta R.T. -0.03 min
Lab File: VD059958.D
Acq: 4 Sep 2018 21:42

Tgt Ion: 43 Resp: 5687
Ion Ratio Lower Upper
43 100
72 0.0 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: 1.16 ug/l

RT: 5.93 min Scan# 580

Delta R.T. -0.03 min

Lab File: VD059958.D

Acq: 4 Sep 2018 21:42

Instrument :

MSVOA_D

ClientSampleId :

EP1-SUT-UST-11

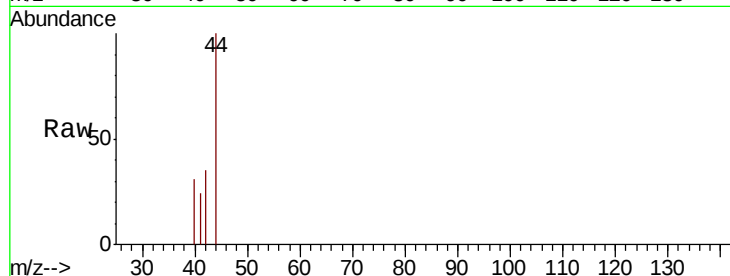
Tot Ion: 42 Resp: 2293

Ion Ratio Lower Upper

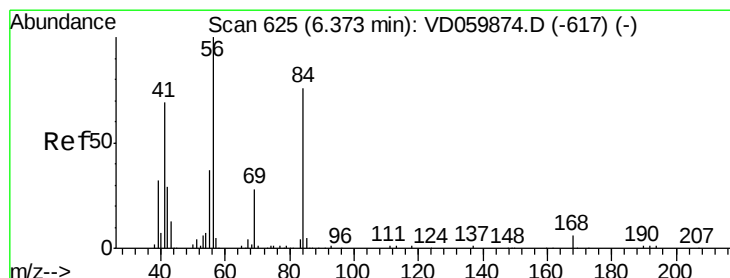
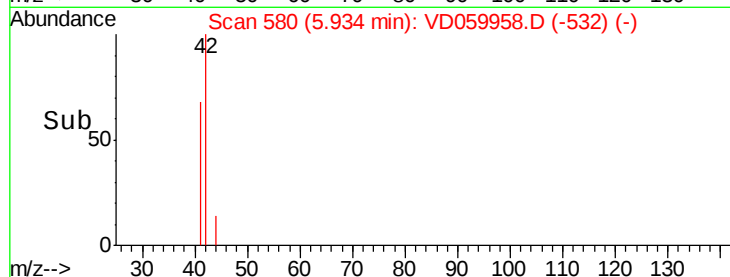
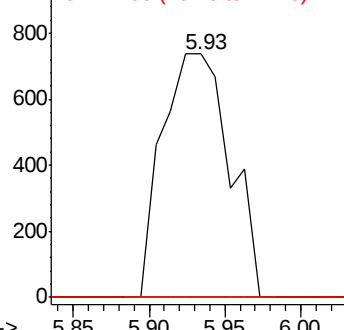
42 100

72 0.0 25.7 38.5#

71 0.0 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: 1.19 ug/l

RT: 6.37 min Scan# 624

Delta R.T. -0.01 min

Lab File: VD059958.D

Acq: 4 Sep 2018 21:42

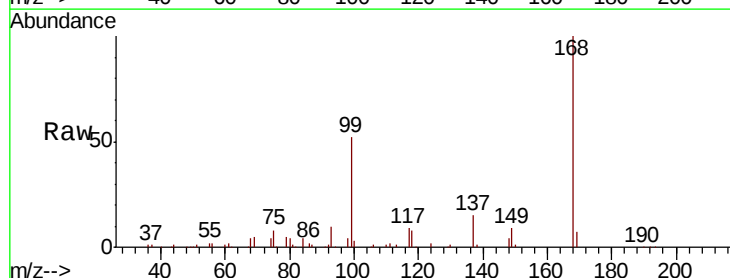
Tgt Ion: 56 Resp: 17370

Ion Ratio Lower Upper

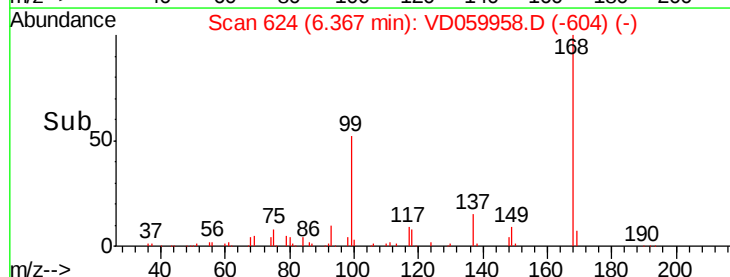
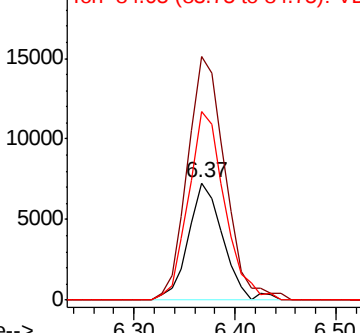
56 100

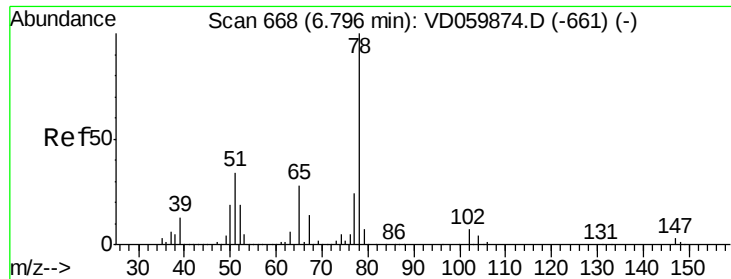
69 208.3 22.4 33.6#

84 160.9 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: 6.75 min Scan# 663

Delta R.T. -0.05 min

Lab File: VD059958.D

Acq: 4 Sep 2018 21:42

Instrument :

MSVOA_D

ClientSampleId :

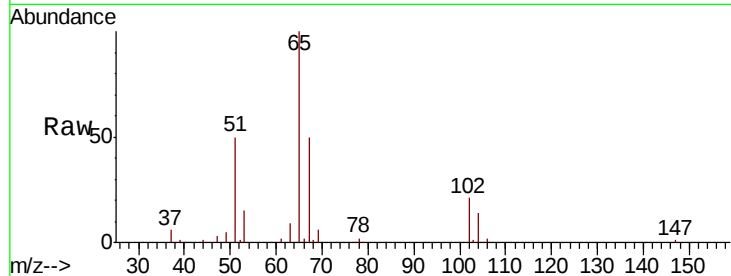
EP1-SUT-UST-11

Tot Ion: 65 Resp: 361960

Ion Ratio Lower Upper

65 100

67 50.2 0.0 103.8



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC

6.75

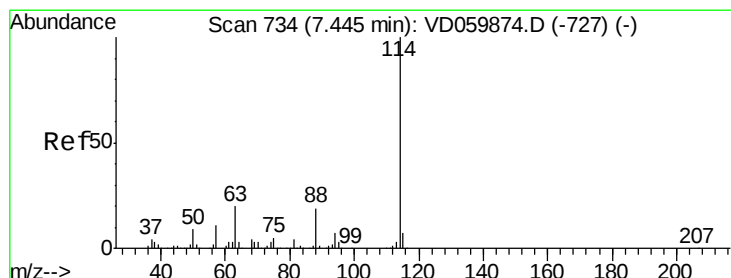
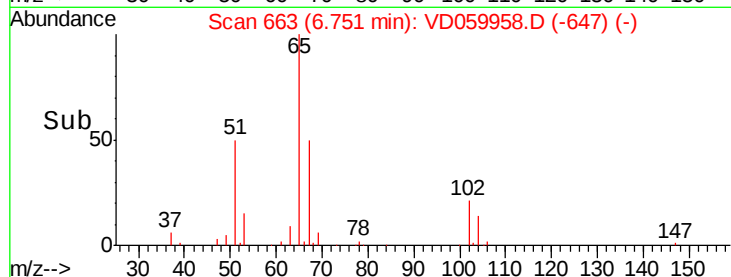
150000

100000

50000

0

Time-->



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 7.41 min Scan# 730

Delta R.T. -0.04 min

Lab File: VD059958.D

Acq: 4 Sep 2018 21:42

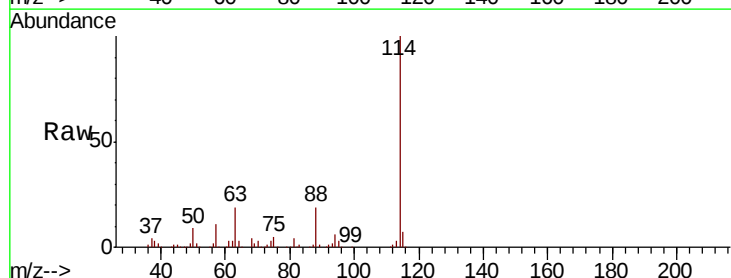
Tgt Ion: 114 Resp: 1246627

Ion Ratio Lower Upper

114 100

63 18.8 0.0 39.4

88 18.7 0.0 37.6



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

7.41

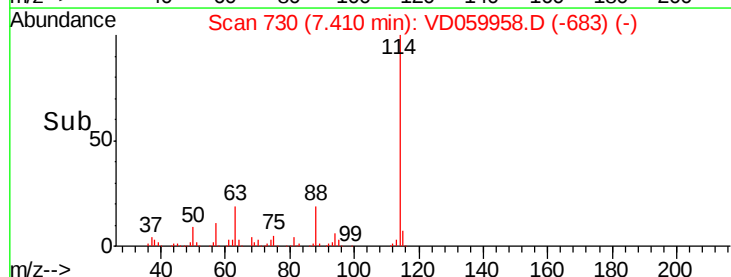
600000

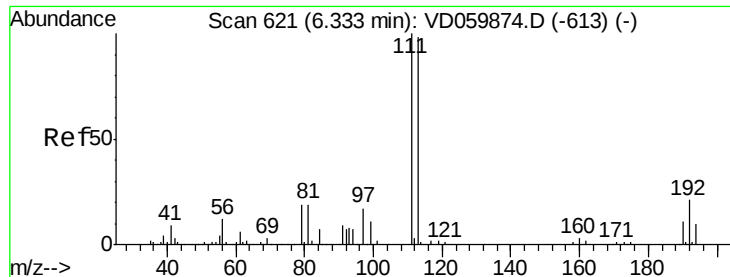
400000

200000

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Time-->

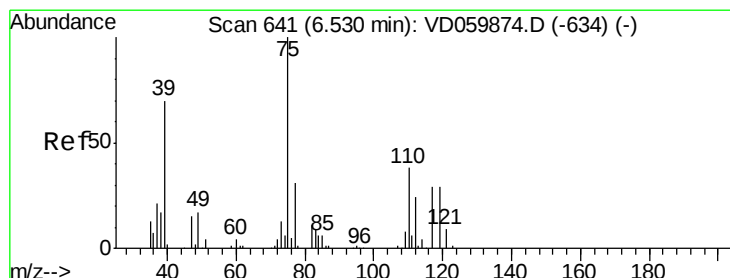
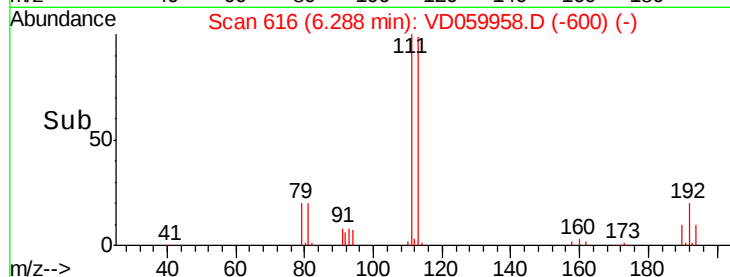
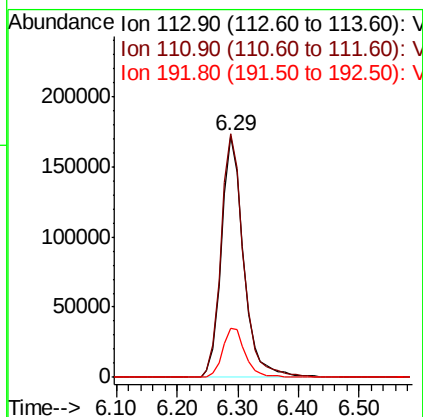
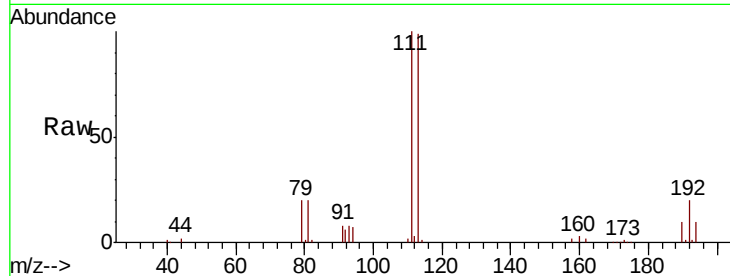




#35
 Dibromofluoromethane
 Concen: 50.00 ug/l
 RT: 6.29 min Scan# 616
 Delta R.T. -0.05 min
 Lab File: VD059958.D
 Acq: 4 Sep 2018 21:42

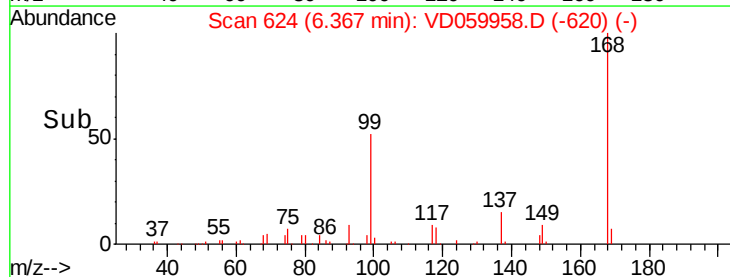
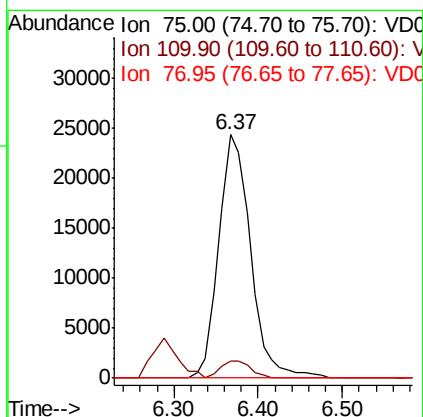
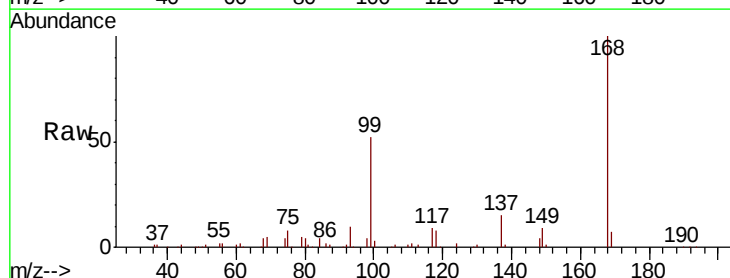
Instrument :
 MSVOA_D
 ClientSampleId :
 EP1-SUT-UST-11

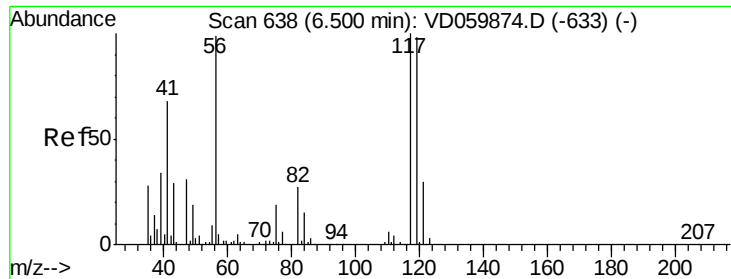
Tot Ion:113 Resp: 438161
 Ion Ratio Lower Upper
 113 100
 111 100.9 81.4 122.2
 192 20.3 17.0 25.6



#36
 1,1-Dichloropropene
 Concen: 5.69 ug/l
 RT: 6.37 min Scan# 624
 Delta R.T. -0.16 min
 Lab File: VD059958.D
 Acq: 4 Sep 2018 21:42

Tgt Ion: 75 Resp: 64305
 Ion Ratio Lower Upper
 75 100
 110 7.0 18.6 56.0#
 77 0.0 25.1 37.7#





#38

Carbon Tetrachloride

Concen: 6.29 ug/l

RT: 6.37 min Scan# 624

Delta R.T. -0.13 min

Lab File: VD059958.D

Acq: 4 Sep 2018 21:42

Instrument :

MSVOA_D

ClientSampleId :

EP1-SUT-UST-11

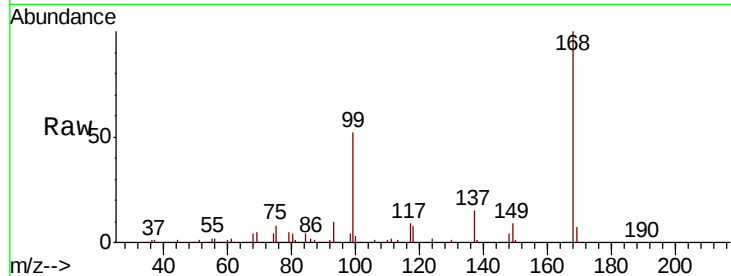
Tot Ion:117 Resp: 71749

Ion Ratio Lower Upper

117 100

119 4.7 77.2 115.8#

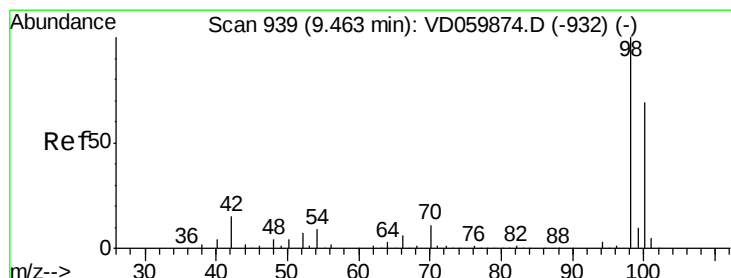
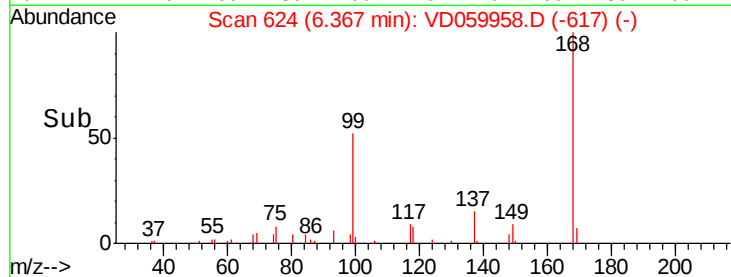
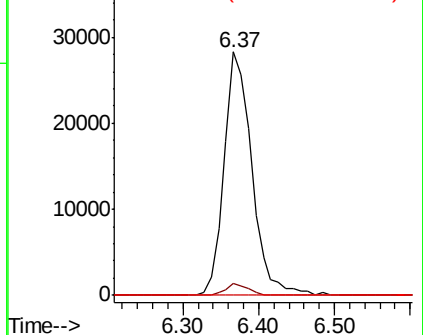
121 0.0 24.0 36.0#



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: 9.43 min Scan# 935

Delta R.T. -0.04 min

Lab File: VD059958.D

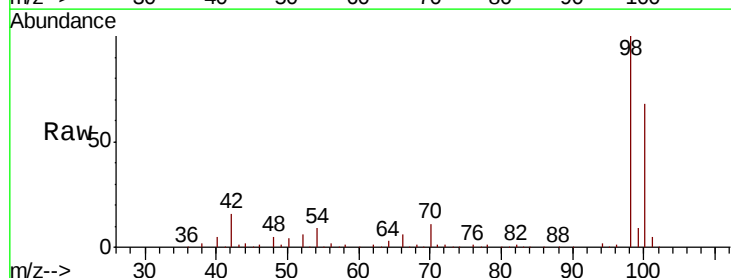
Acq: 4 Sep 2018 21:42

Tgt Ion: 98 Resp: 1149360

Ion Ratio Lower Upper

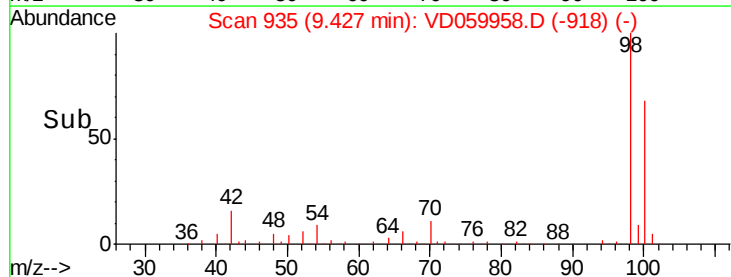
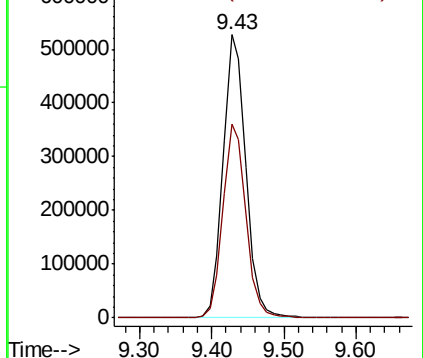
98 100

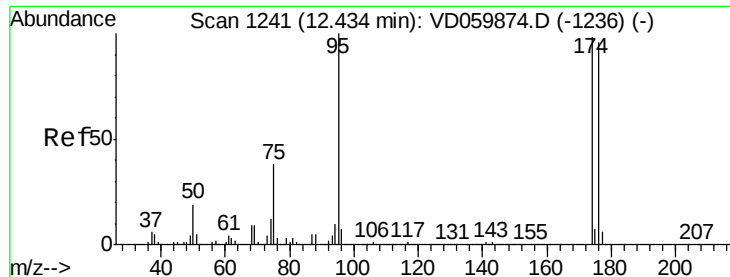
100 68.3 55.8 83.6



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: 12.41 min Scan# 1238

Delta R.T. -0.03 min

Lab File: VD059958.D

Acq: 4 Sep 2018 21:42

Instrument :

MSVOA_D

ClientSampleId :

EP1-SUT-UST-11

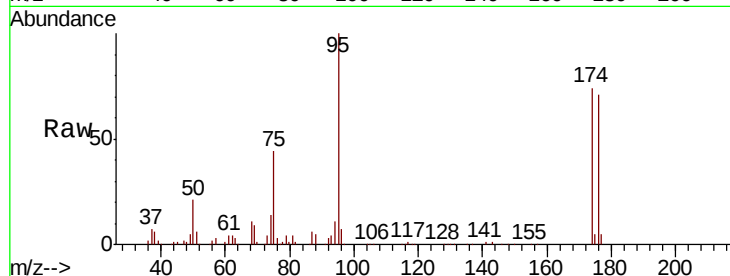
Tot Ion: 95 Resp: 457215

Ion Ratio Lower Upper

95 100

174 73.7 0.0 195.6

176 70.8 0.0 191.2



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

400000

300000

200000

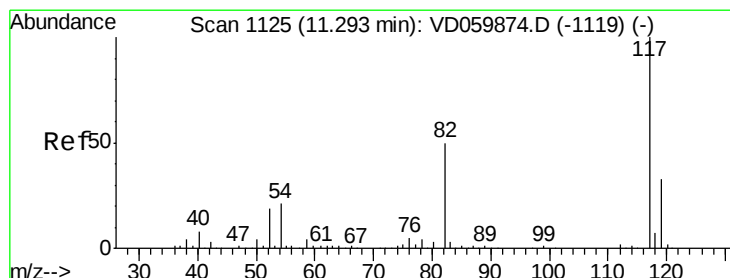
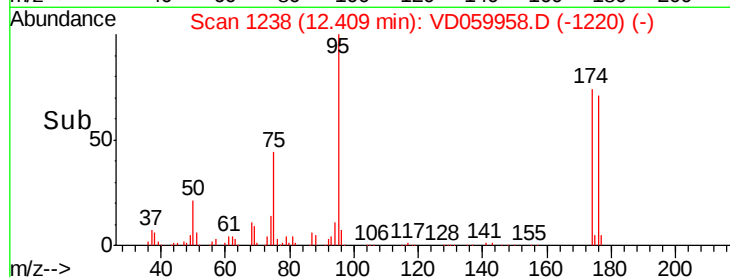
100000

0

12.41

12.30 12.40 12.50

Time-->



#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 11.27 min Scan# 1122

Delta R.T. -0.03 min

Lab File: VD059958.D

Acq: 4 Sep 2018 21:42

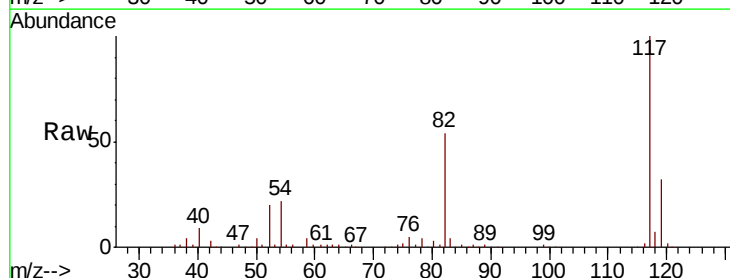
Tgt Ion: 117 Resp: 1041824

Ion Ratio Lower Upper

117 100

82 54.2 40.1 60.1

119 32.5 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

800000

600000

400000

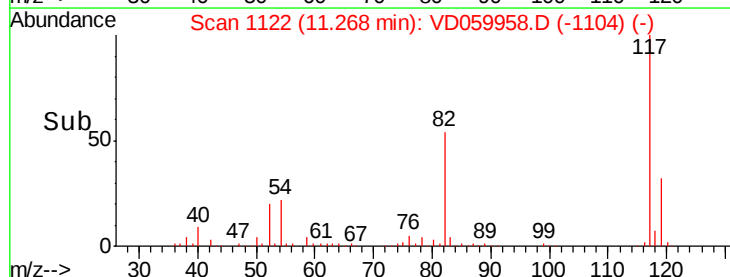
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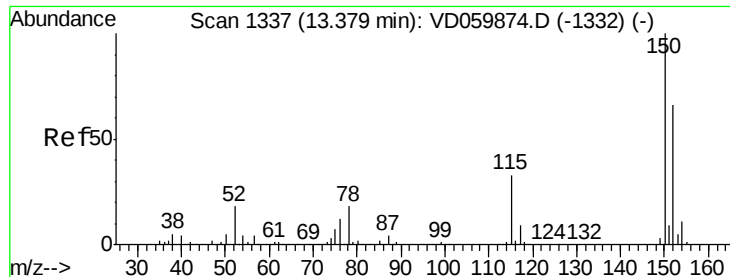
0

11.27

11.20 11.30 11.40

Time-->

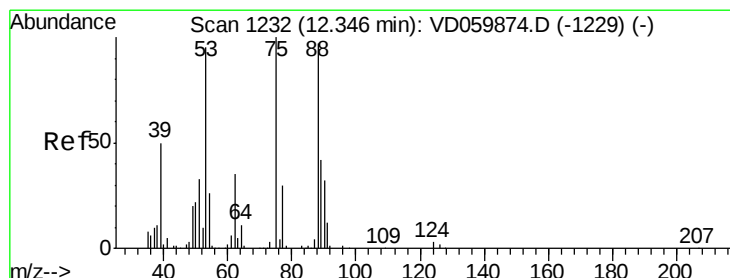
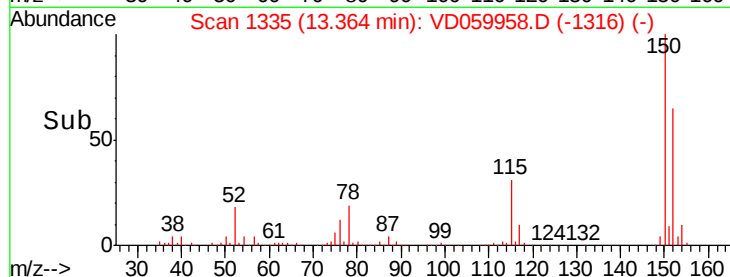
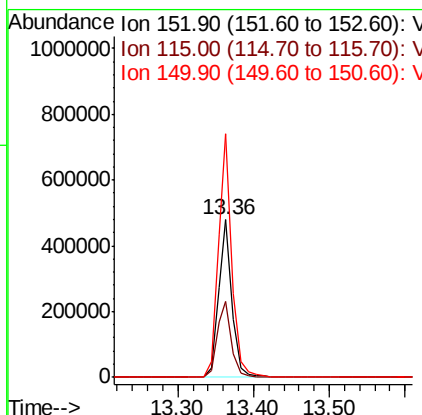
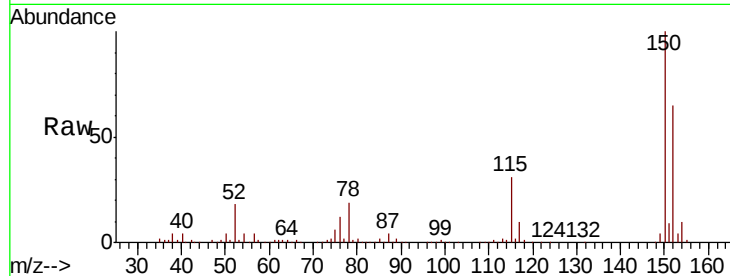




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.00 ug/l
 RT: 13.36 min Scan# 1335
 Delta R.T. -0.02 min
 Lab File: VD059958.D
 Acq: 4 Sep 2018 21:42

Instrument :
 MSVOA_D
 ClientSampleId :
 EP1-SUT-UST-11

Tot Ion:152 Resp: 599146
 Ion Ratio Lower Upper
 152 100
 115 48.4 25.7 77.0
 150 154.5 0.0 310.2



#81
 trans-1,4-Dichloro-2-butene
 Concen: 65.97 ug/l
 RT: 12.41 min Scan# 1238
 Delta R.T. 0.06 min
 Lab File: VD059958.D
 Acq: 4 Sep 2018 21:42

Tgt Ion: 75 Resp: 191090
 Ion Ratio Lower Upper
 75 100
 53 0.0 75.8 113.6#
 89 0.0 33.6 50.4#

