

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD090418\
 Data File : VD059949.D
 Acq On : 4 Sep 2018 17:26
 Operator : JC/SY
 Sample : J4724-03
 Misc : 5.54g/5ml/MSVOA D/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 EP1-SUT-UST-02

Quant Time: Sep 05 03:53:55 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	6.37	168	1113599	50.00	ug/l	-0.04
34) 1,4-Difluorobenzene	7.42	114	1535334	50.00	ug/l	-0.03
63) Chlorobenzene-d5	11.27	117	1312255	50.00	ug/l	-0.03
72) 1,4-Dichlorobenzene-d4	13.36	152	737235	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	426524	45.44	ug/l	-0.04
Spiked Amount			Recovery	=	90.88%	
35) Dibromofluoromethane	6.30	113	530671	44.09	ug/l	-0.04
Spiked Amount			Recovery	=	88.18%	
50) Toluene-d8	9.44	98	1394816	41.75	ug/l	-0.03
Spiked Amount			Recovery	=	83.50%	
62) 4-Bromofluorobenzene	12.42	95	581073	42.83	ug/l	-0.02
Spiked Amount			Recovery	=	85.66%	

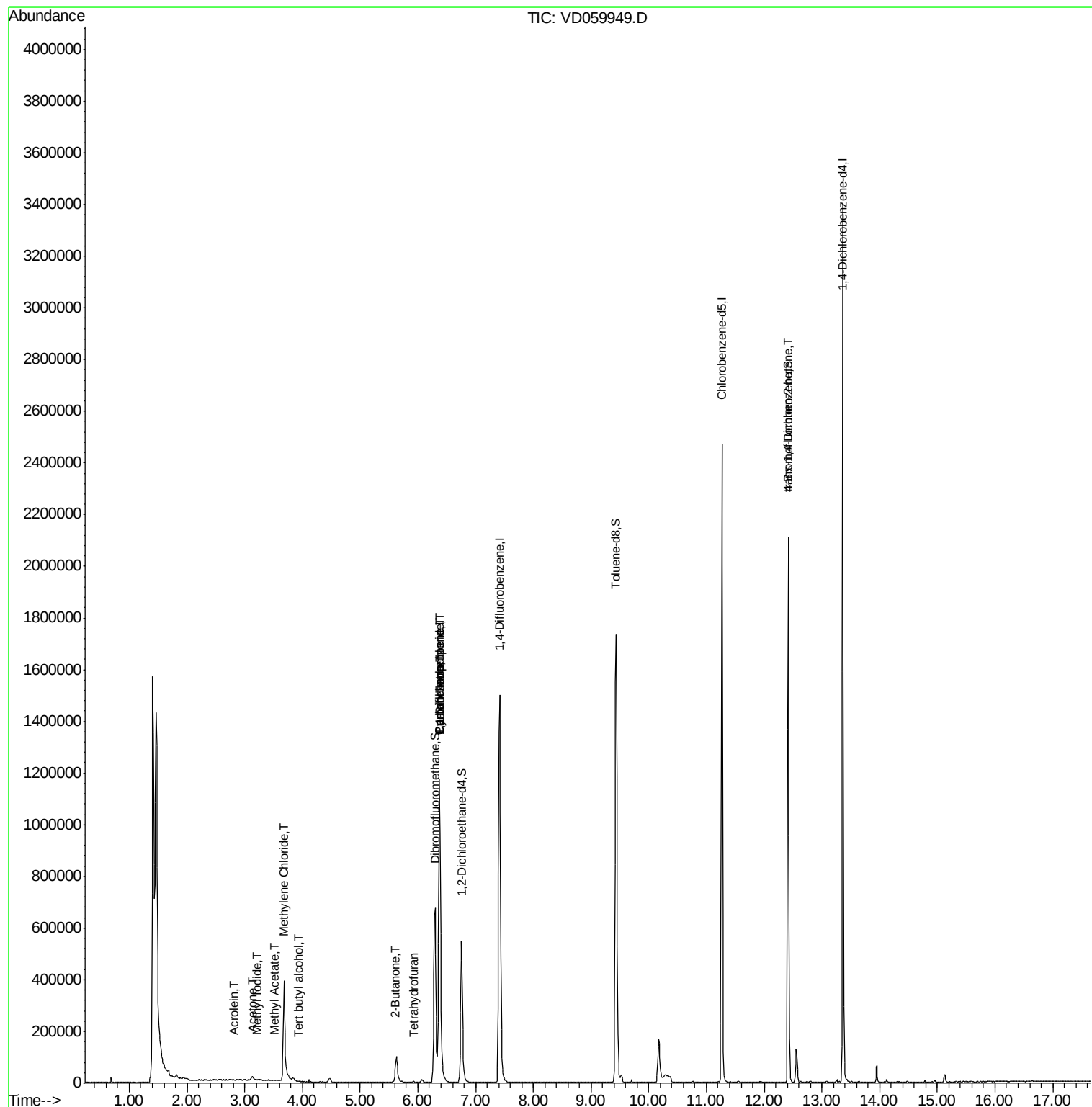
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Methyl Iodide	3.21	142	235	3.51	ug/l #	31
11) Tert butyl alcohol	3.92	59	1000	1.40	ug/l #	75
13) Acrolein	2.81	56	422	1.36	ug/l	84
16) Acetone	3.13	43	34234	20.02	ug/l	96
18) Methyl Acetate	3.52	43	5672	1.59	ug/l #	66
20) Methylene Chloride	3.68	84	182402	13.25	ug/l	96
25) 2-Butanone	5.61	43	15226	3.01	ug/l	96
29) Tetrahydrofuran	5.93	42	3243	1.35	ug/l #	59
31) Cyclohexane	6.37	56	21275	1.19	ug/l #	1
36) 1,1-Dichloropropene	6.37	75	81671	5.87	ug/l #	47
38) Carbon Tetrachloride	6.37	117	88798	6.32	ug/l #	15
81) trans-1,4-Dichloro-2-buten	12.42	75	238508	66.92	ug/l #	12
89) n-Butylbenzene	13.64	91	1515	Below Cal		92

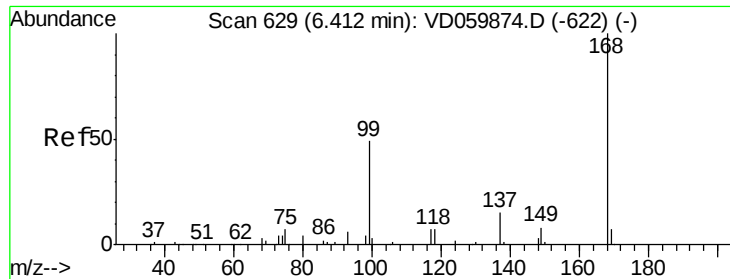
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Thu Aug 23 03:03:08 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 6.37 min Scan# 625

Delta R.T. -0.04 min

Lab File: VD059949.D

Acq: 4 Sep 2018 17:26

Instrument :

MSVOA_D

ClientSampleId :

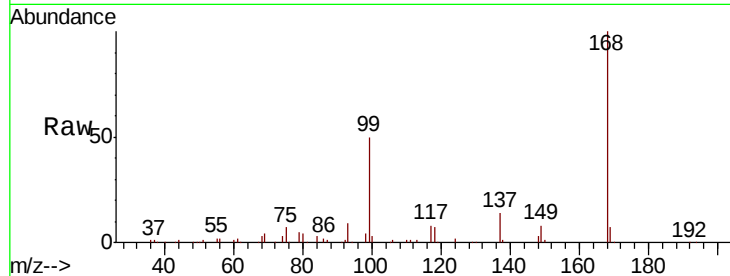
EP1-SUT-UST-02

Tot Ion:168 Resp: 1113599

Ion Ratio Lower Upper

168 100

99 49.9 42.2 63.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): V

6.37

400000

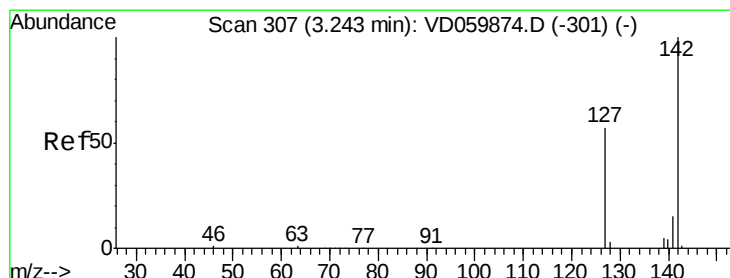
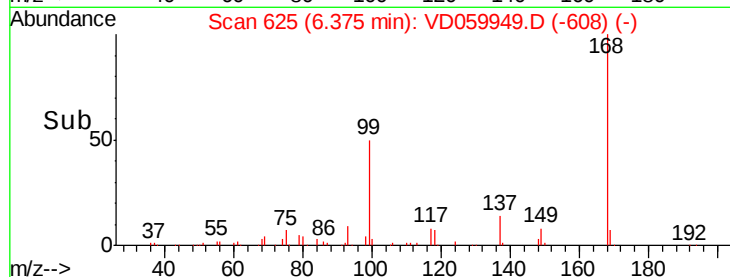
300000

200000

100000

0

Time--> 6.20 6.30 6.40 6.50 6.60



#10

Methyl Iodide

Concen: 3.51 ug/l

RT: 3.21 min Scan# 303

Delta R.T. -0.04 min

Lab File: VD059949.D

Acq: 4 Sep 2018 17:26

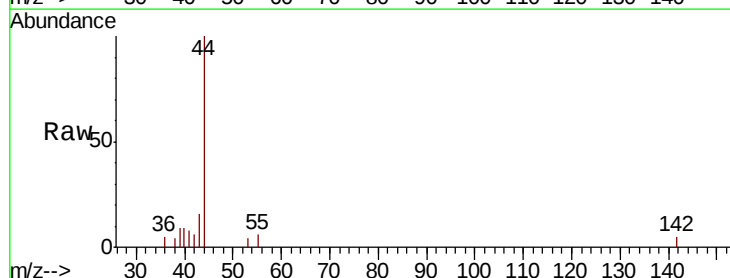
Tgt Ion:142 Resp: 235

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

3.21

400

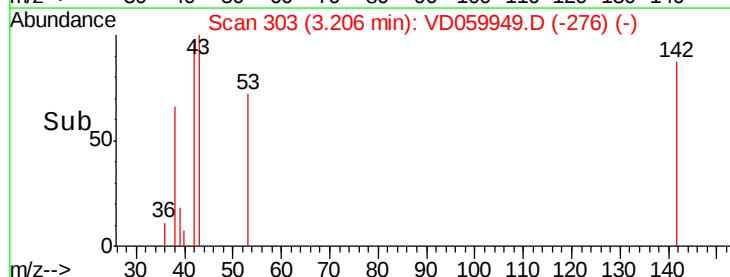
300

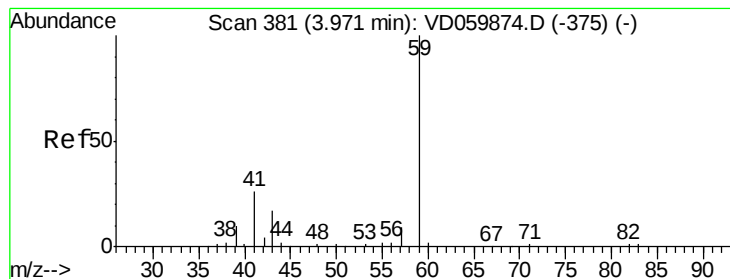
200

100

0

Time--> 3.18 3.20 3.22 3.24



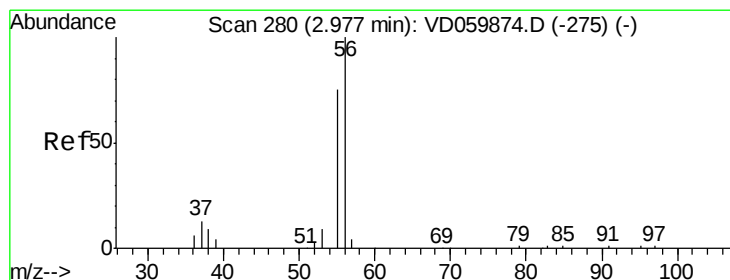
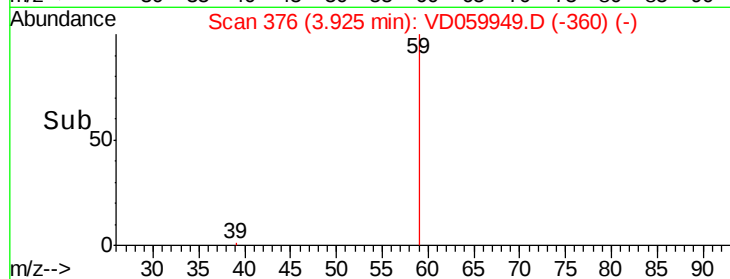
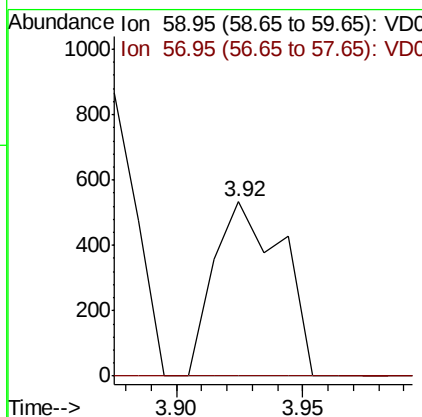
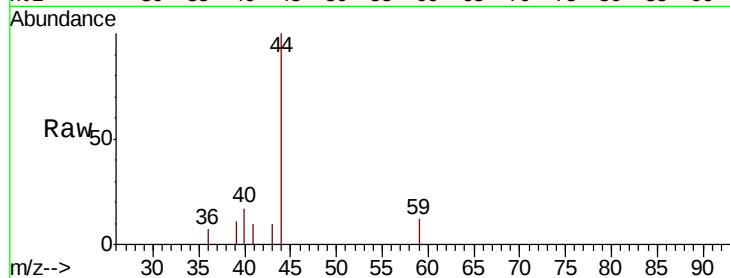


#11

Tert butyl alcohol
 Concen: 1.40 ug/l
 RT: 3.92 min Scan# 376
 Delta R.T. -0.05 min
 Lab File: VD059949.D
 Acq: 4 Sep 2018 17:26

Instrument :
 MSVOA_D
 ClientSampleId :
 EP1-SUT-UST-02

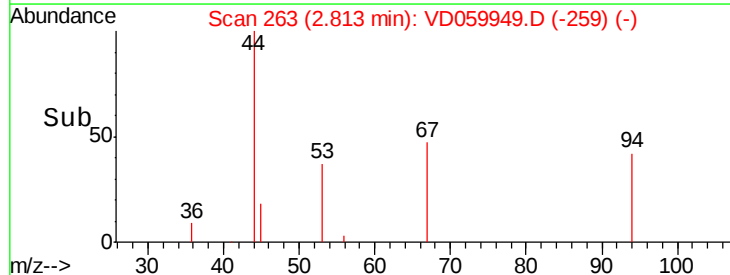
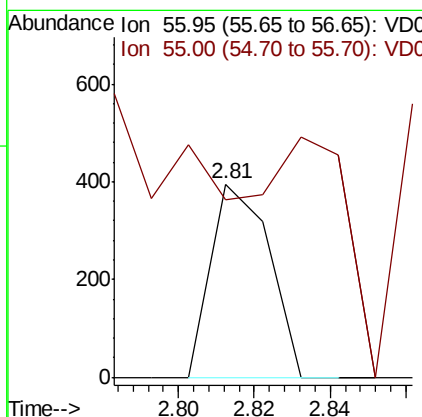
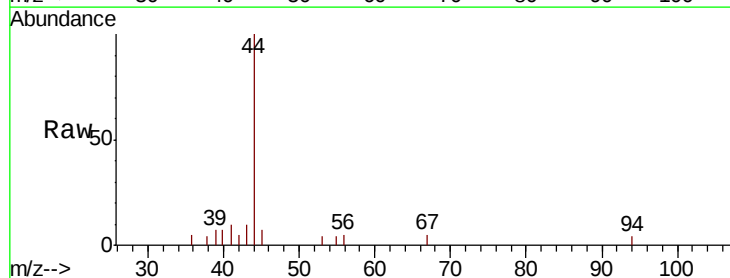
Tot Ion: 59 Resp: 1000
 Ion Ratio Lower Upper
 59 100
 57 0.0 7.4 11.0#

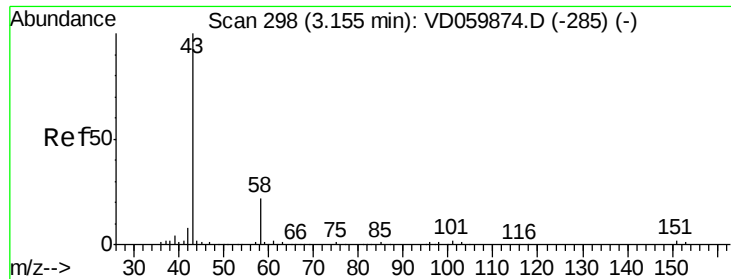


#13

Acrolein
 Concen: 1.36 ug/l
 RT: 2.81 min Scan# 263
 Delta R.T. -0.16 min
 Lab File: VD059949.D
 Acq: 4 Sep 2018 17:26

Tgt Ion: 56 Resp: 422
 Ion Ratio Lower Upper
 56 100
 55 91.6 61.9 92.9





#16

Acetone

Concen: 20.02 ug/l

RT: 3.13 min Scan# 295

Delta R.T. -0.03 min

Lab File: VD059949.D

Acq: 4 Sep 2018 17:26

Instrument :

MSVOA_D

ClientSampleId :

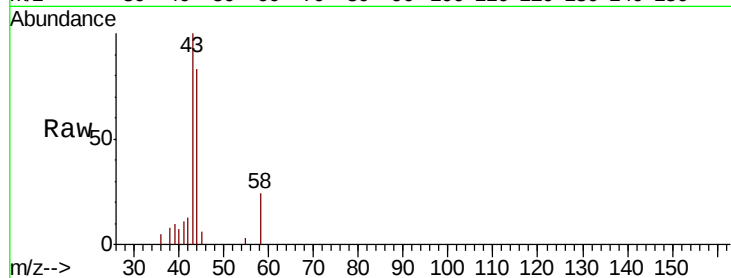
EP1-SUT-UST-02

Tot Ion: 43 Resp: 34234

Ion Ratio Lower Upper

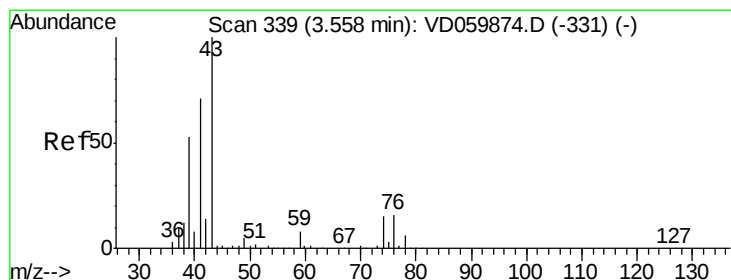
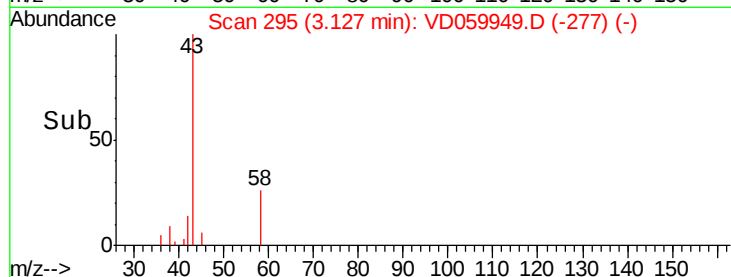
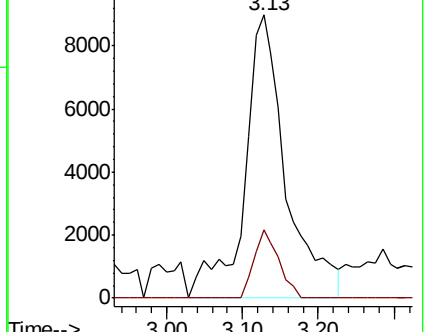
43 100

58 24.1 17.6 26.4



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#18

Methyl Acetate

Concen: 1.59 ug/l

RT: 3.52 min Scan# 335

Delta R.T. -0.04 min

Lab File: VD059949.D

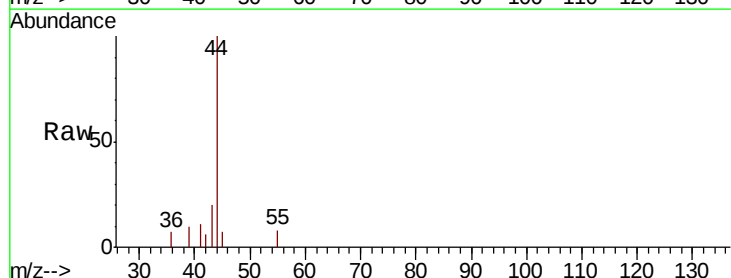
Acq: 4 Sep 2018 17:26

Tgt Ion: 43 Resp: 5672

Ion Ratio Lower Upper

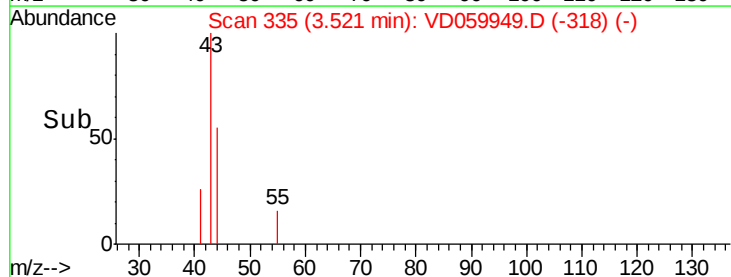
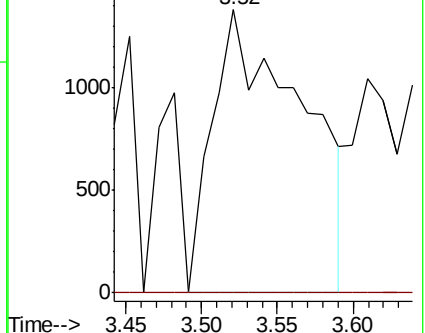
43 100

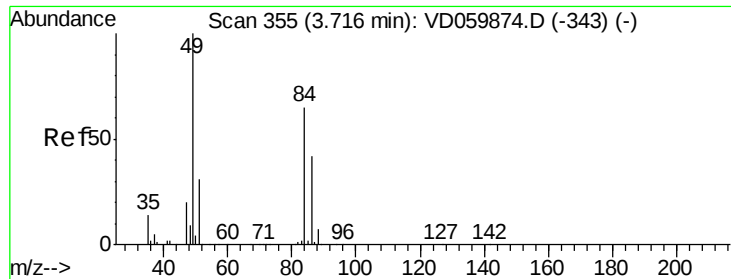
74 0.0 11.2 16.8#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC

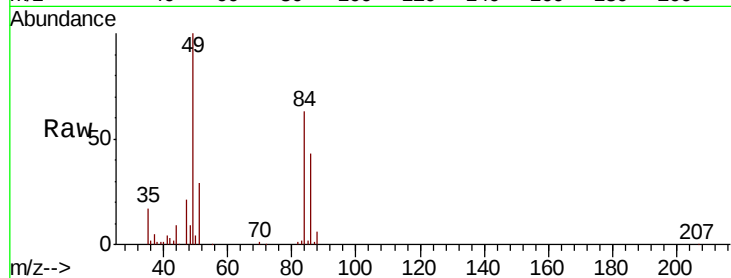




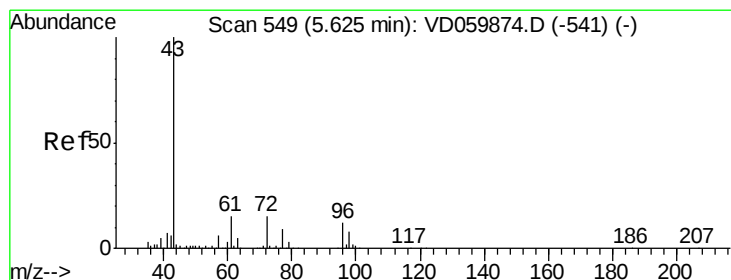
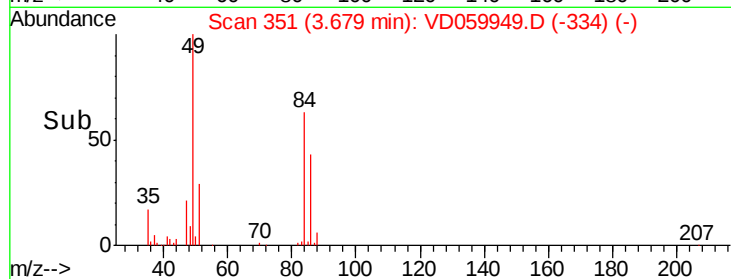
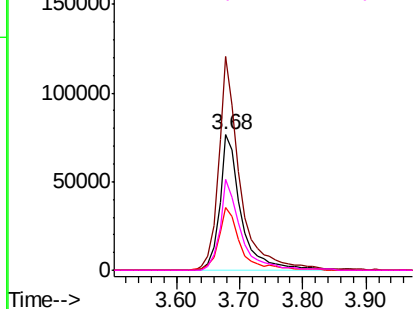
#20
Methylene Chloride
Concen: 13.25 ug/l
RT: 3.68 min Scan# 351
Delta R.T. -0.04 min
Lab File: VD059949.D
Acq: 4 Sep 2018 17:26

Instrument :
MSVOA_D
ClientSampleId :
EP1-SUT-UST-02

Tot Ion:	84	Resp:	182402
Ion	Ratio	Lower	Upper
84	100		
49	158.1	122.6	183.8
51	46.6	38.4	57.6
86	67.5	51.5	77.3

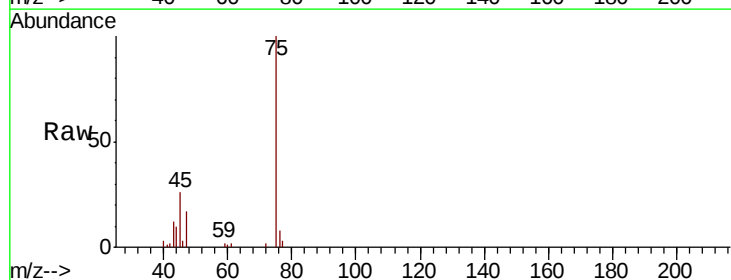


Abundance Ion 83.95 (83.65 to 84.65): VDC
Ion 48.90 (48.60 to 49.60): VDC
Ion 50.90 (50.60 to 51.60): VDC
Ion 85.90 (85.60 to 86.60): VDC

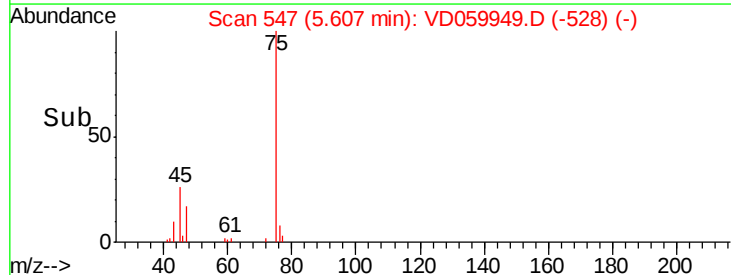
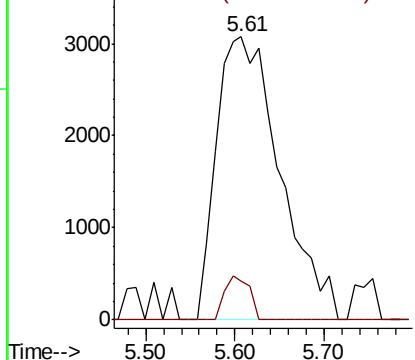


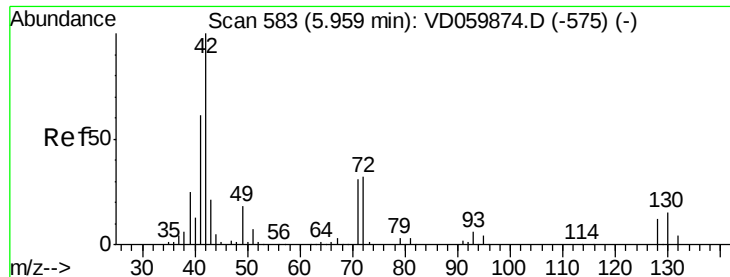
#25
2-Butanone
Concen: 3.01 ug/l
RT: 5.61 min Scan# 547
Delta R.T. -0.02 min
Lab File: VD059949.D
Acq: 4 Sep 2018 17:26

Tgt Ion:	43	Resp:	15226
Ion	Ratio	Lower	Upper
43	100		
72	13.6	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: 1.35 ug/l

RT: 5.93 min Scan# 580

Delta R.T. -0.03 min

Lab File: VD059949.D

Acq: 4 Sep 2018 17:26

Instrument :

MSVOA_D

ClientSampleId :

EP1-SUT-UST-02

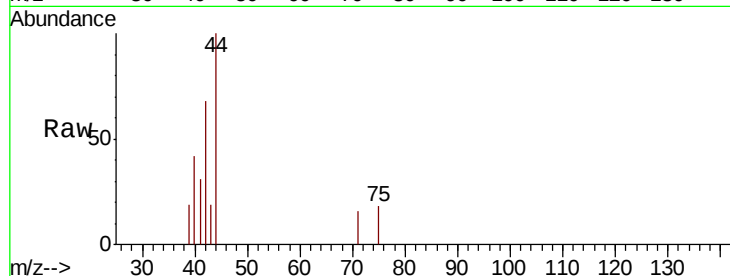
Tot Ion: 42 Resp: 3243

Ion Ratio Lower Upper

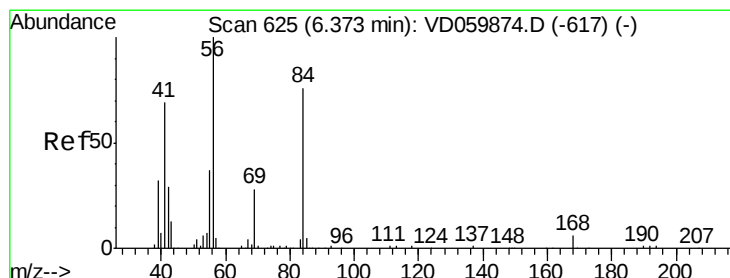
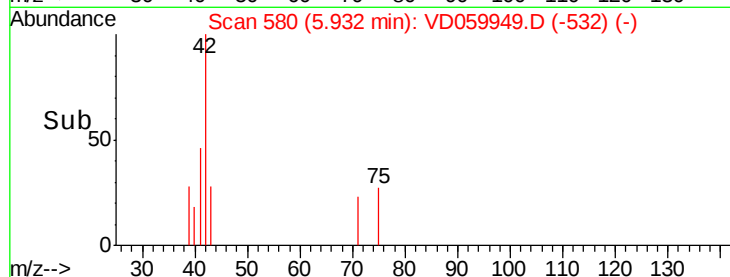
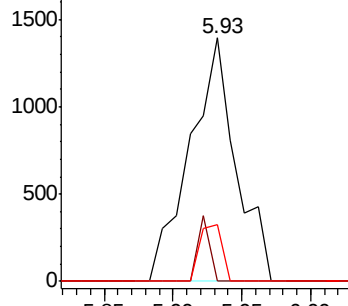
42 100

72 6.9 25.7 38.5#

71 11.5 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# 625

Delta R.T. 0.00 min

Lab File: VD059949.D

Acq: 4 Sep 2018 17:26

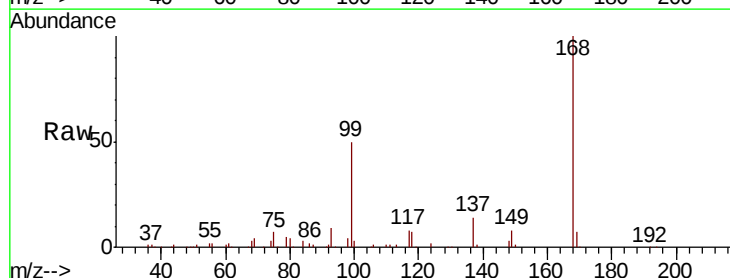
Tgt Ion: 56 Resp: 21275

Ion Ratio Lower Upper

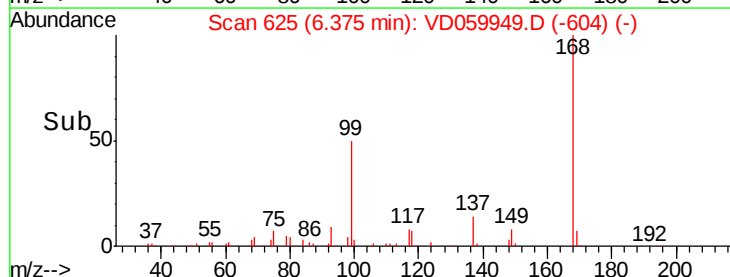
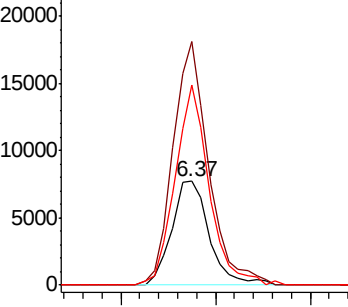
56 100

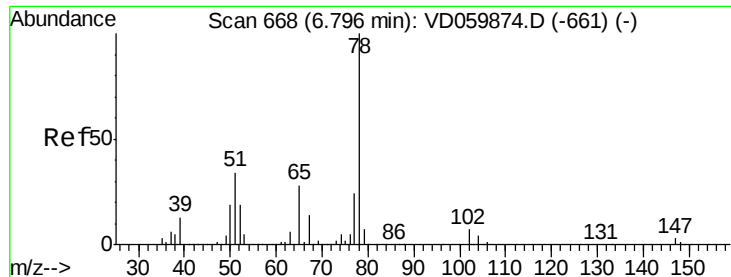
69 234.3 22.4 33.6#

84 192.4 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: 6.76 min Scan# 664

Delta R.T. -0.04 min

Lab File: VD059949.D

Acq: 4 Sep 2018 17:26

Instrument :

MSVOA_D

ClientSampleId :

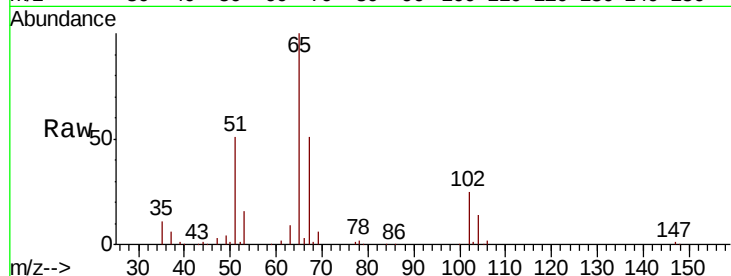
EP1-SUT-UST-02

Tot Ion: 65 Resp: 426524

Ion Ratio Lower Upper

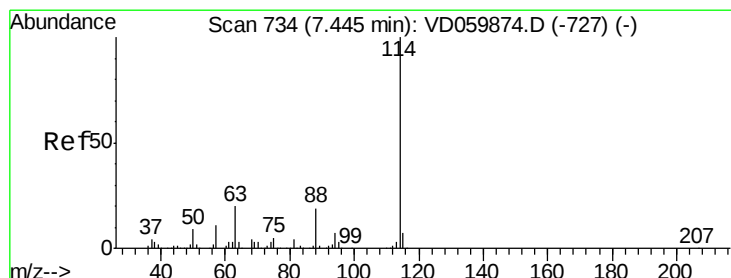
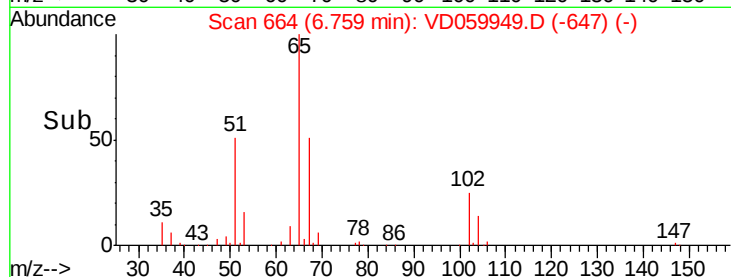
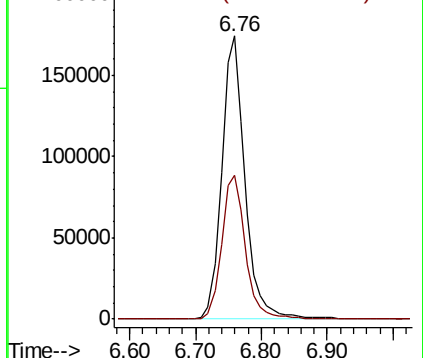
65 100

67 50.8 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: 50.00 ug/l

RT: 7.42 min Scan# 731

Delta R.T. -0.03 min

Lab File: VD059949.D

Acq: 4 Sep 2018 17:26

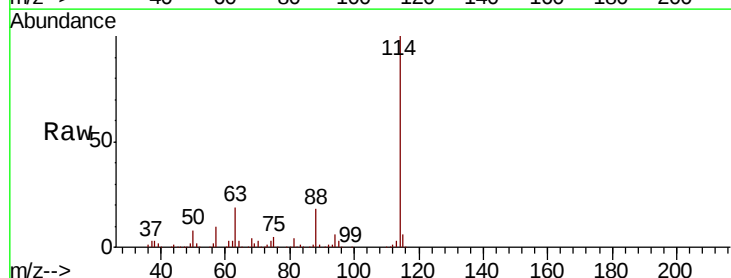
Tgt Ion: 114 Resp: 1535334

Ion Ratio Lower Upper

114 100

63 18.5 0.0 39.4

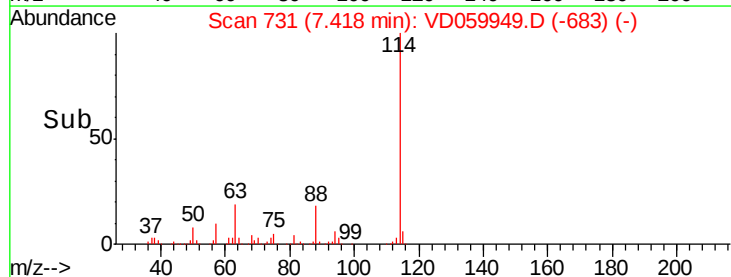
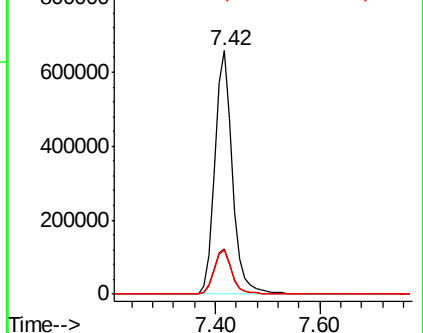
88 18.1 0.0 37.6

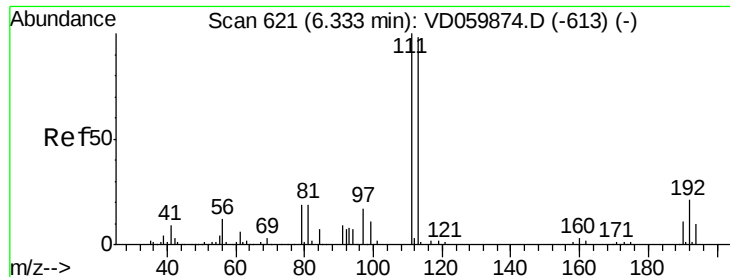


Abundance Ion 114.00 (113.70 to 114.70): VDC

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC

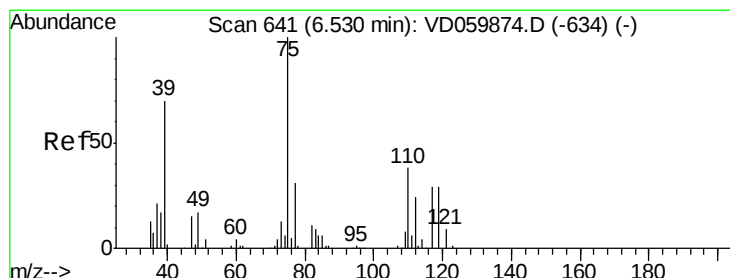
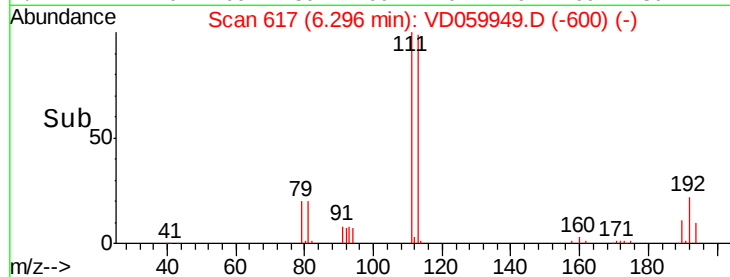
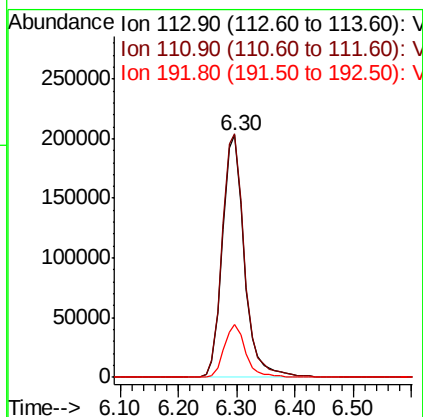
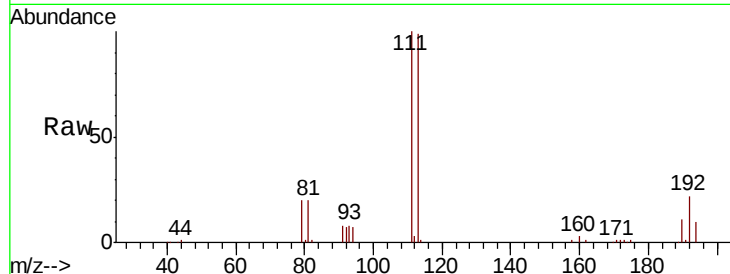




#35
 Dibromofluoromethane
 Concen: 50.00 ug/l
 RT: 6.30 min Scan# 617
 Delta R.T. -0.04 min
 Lab File: VD059949.D
 Acq: 4 Sep 2018 17:26

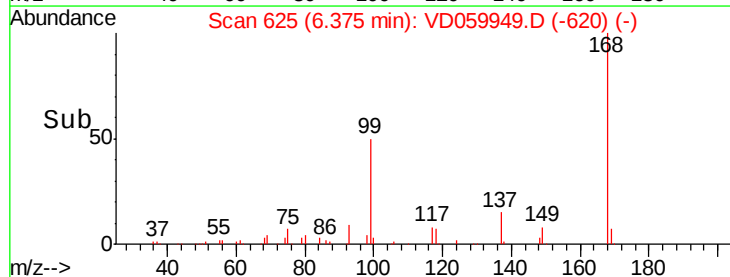
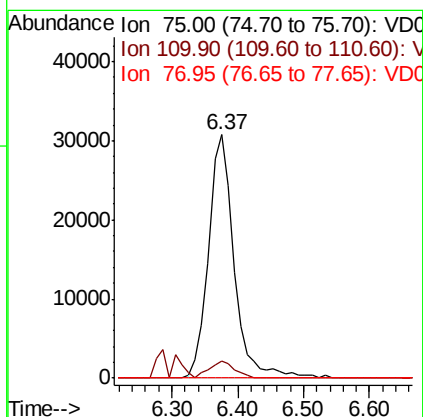
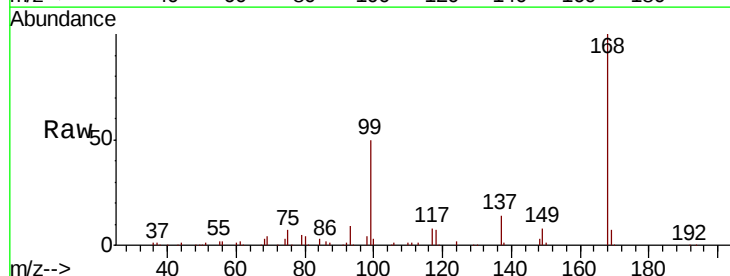
Instrument :
 MSVOA_D
 ClientSampleId :
 EP1-SUT-UST-02

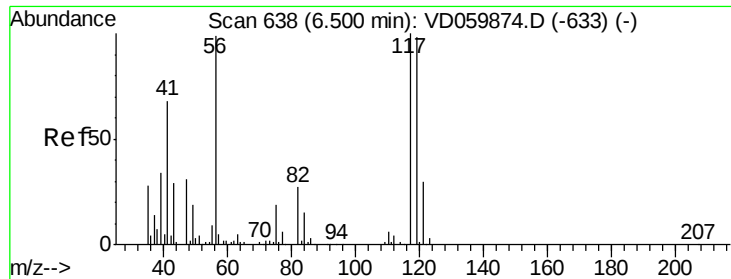
Tot Ion:113 Resp: 530671
 Ion Ratio Lower Upper
 113 100
 111 100.7 81.4 122.2
 192 21.7 17.0 25.6



#36
 1,1-Dichloropropene
 Concen: 5.87 ug/l
 RT: 6.37 min Scan# 625
 Delta R.T. -0.16 min
 Lab File: VD059949.D
 Acq: 4 Sep 2018 17:26

Tgt Ion: 75 Resp: 81671
 Ion Ratio Lower Upper
 75 100
 110 7.2 18.6 56.0#
 77 0.0 25.1 37.7#





#38

Carbon Tetrachloride

Concen: 6.32 ug/l

RT: 6.37 min Scan# 625

Delta R.T. -0.13 min

Lab File: VD059949.D

Acq: 4 Sep 2018 17:26

Instrument :

MSVOA_D

ClientSampleId :

EP1-SUT-UST-02

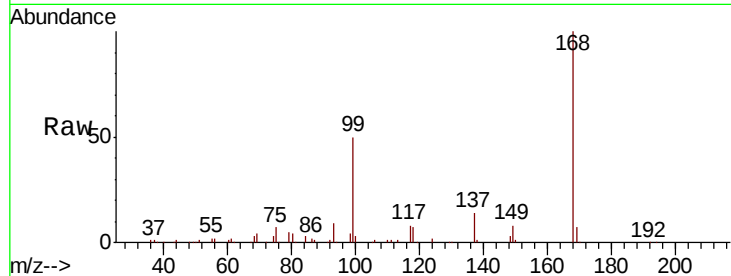
Tot Ion:117 Resp: 88798

Ion Ratio Lower Upper

117 100

119 3.8 77.2 115.8#

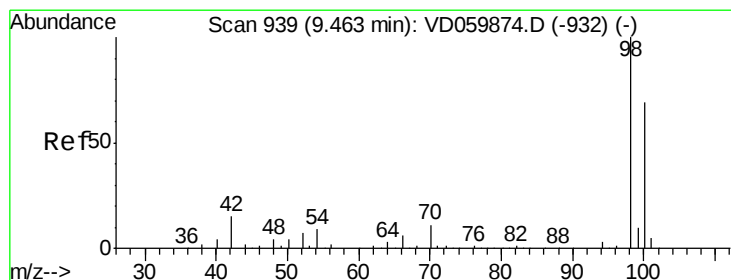
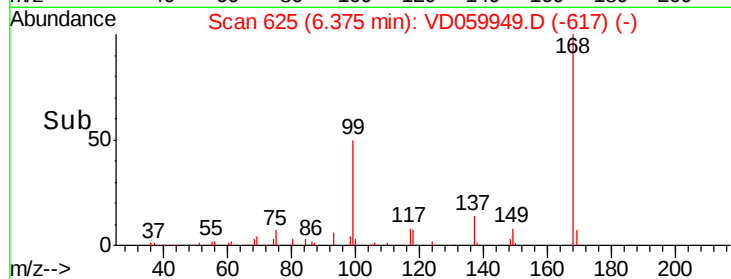
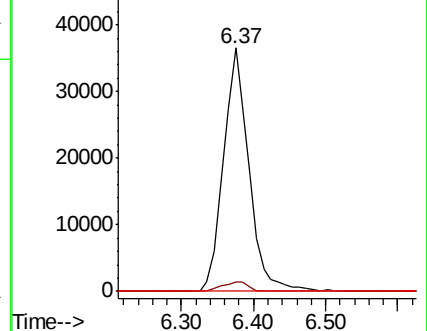
121 0.0 24.0 36.0#



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: VD059949.D

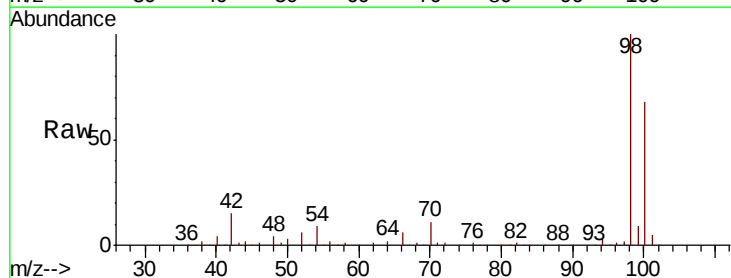
Acq: 4 Sep 2018 17:26

Tgt Ion: 98 Resp: 1394816

Ion Ratio Lower Upper

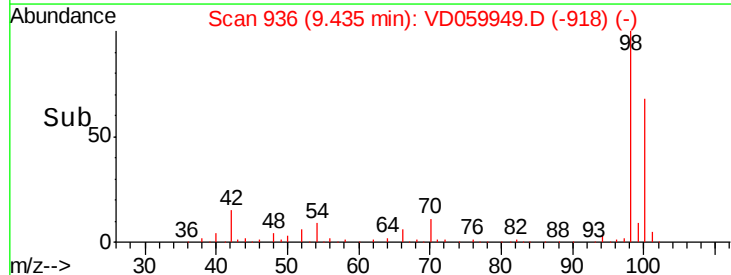
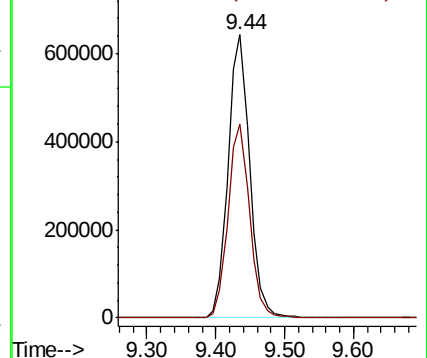
98 100

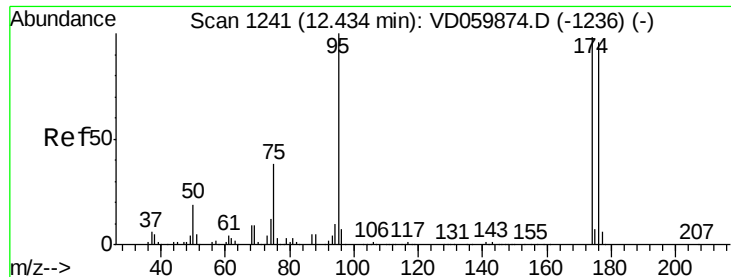
100 68.5 55.8 83.6



Abundance Ion 98.05 (97.75 to 98.75): V

Ion 100.05 (99.75 to 100.75): V

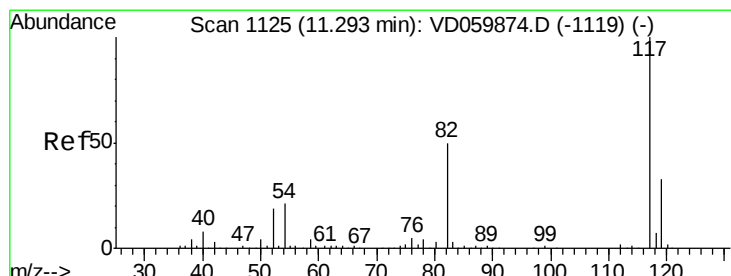
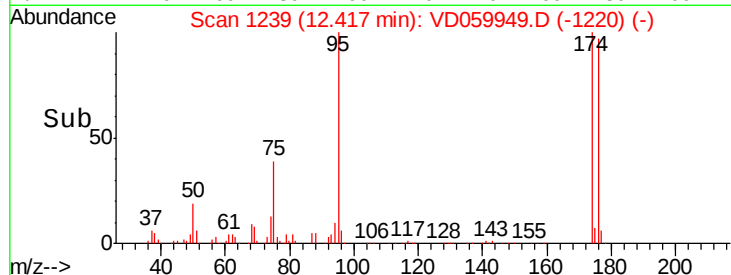
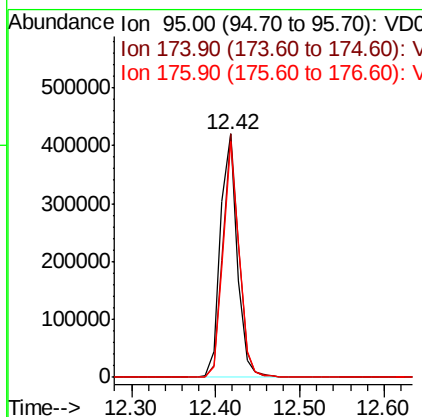
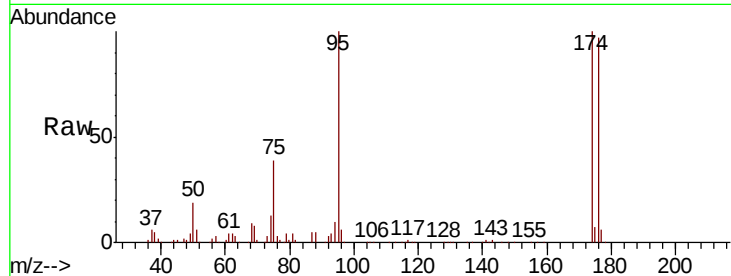




#62
4-Bromofluorobenzene
Concen: N.D. ug/l
RT: 12.42 min Scan# 1239
Delta R.T. -0.02 min
Lab File: VD059949.D
Acq: 4 Sep 2018 17:26

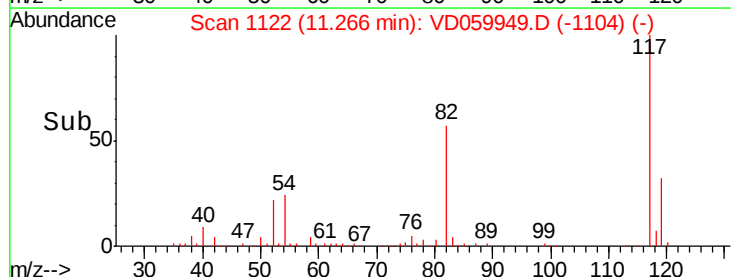
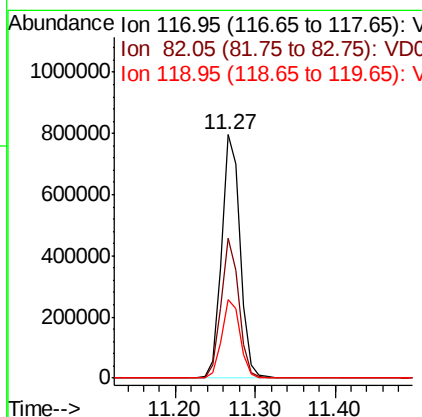
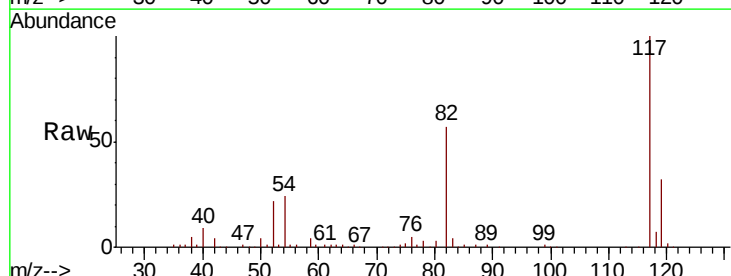
Instrument :
MSVOA_D
ClientSampleId :
EP1-SUT-UST-02

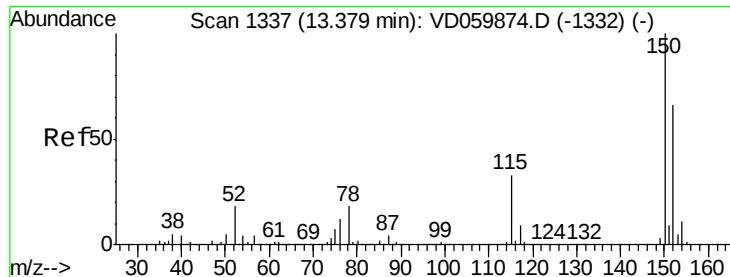
Tot Ion: 95 Resp: 581073
Ion Ratio Lower Upper
95 100
174 99.8 0.0 195.6
176 97.1 0.0 191.2



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.27 min Scan# 1122
Delta R.T. -0.03 min
Lab File: VD059949.D
Acq: 4 Sep 2018 17:26

Tgt Ion: 117 Resp: 1312255
Ion Ratio Lower Upper
117 100
82 57.4 40.1 60.1
119 32.4 26.7 40.1

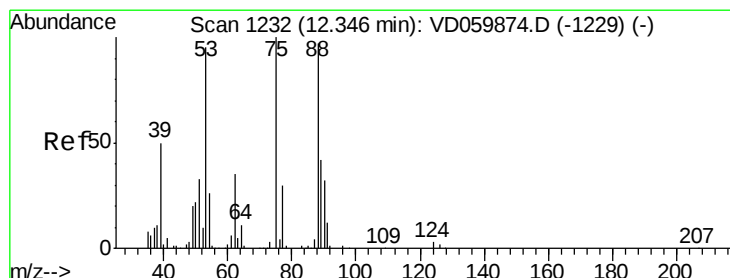
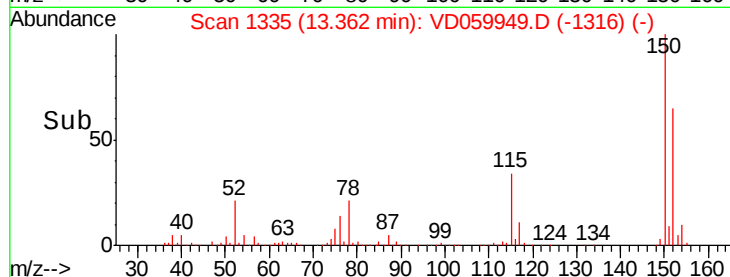
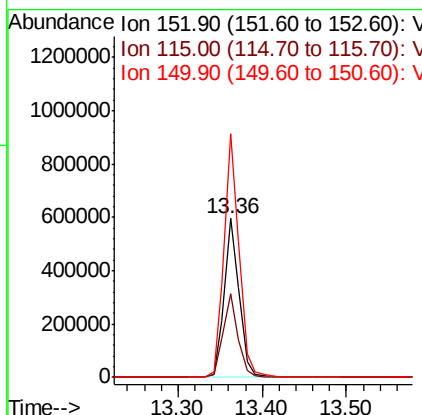
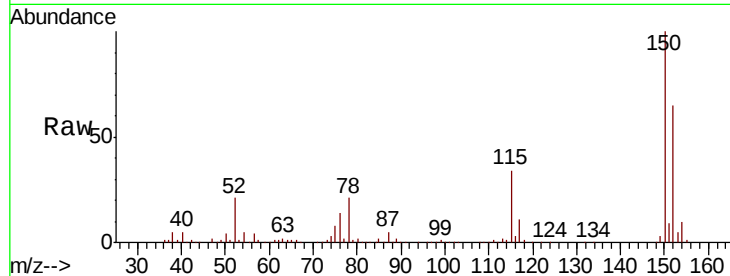




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.00 ug/l
 RT: 13.36 min Scan# 1335
 Delta R.T. -0.02 min
 Lab File: VD059949.D
 Acq: 4 Sep 2018 17:26

Instrument :
 MSVOA_D
 ClientSampleId :
 EP1-SUT-UST-02

Tot Ion:152 Resp: 737235
 Ion Ratio Lower Upper
 152 100
 115 52.8 25.7 77.0
 150 153.6 0.0 310.2



#81
 trans-1,4-Dichloro-2-butene
 Concen: 66.92 ug/l
 RT: 12.42 min Scan# 1239
 Delta R.T. 0.07 min
 Lab File: VD059949.D
 Acq: 4 Sep 2018 17:26

Tgt Ion: 75 Resp: 238508
 Ion Ratio Lower Upper
 75 100
 53 0.0 75.8 113.6#
 89 0.0 33.6 50.4#

