

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX091318\
 Data File : VX004511.D
 Acq On : 13 Sep 2018 13:00
 Operator : JC/MD
 Sample : J4724-18DL 100X
 Misc : 3.19g/5mL/100uL/5.00mL/MSVOA_X/MEOH
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 EP1-SUT-4USTS-SBDL

Quant Time: Sep 14 03:52:33 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X091118W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 12 02:17:23 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	250455	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	347002	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	341984	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	197602	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.06	65	164706	51.00	ug/l	0.00
Spiked Amount			Recovery	=	102.00%	
35) Dibromofluoromethane	5.50	113	148115	46.64	ug/l	0.00
Spiked Amount			Recovery	=	93.28%	
50) Toluene-d8	8.72	98	518009	48.65	ug/l	0.00
Spiked Amount			Recovery	=	97.30%	
62) 4-Bromofluorobenzene	11.14	95	195035	51.31	ug/l	0.00
Spiked Amount			Recovery	=	102.62%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	678	0.21	ug/l	# 81
5) Bromomethane	1.64	94	1078	Below	Cal	95
10) Methyl Iodide	2.53	142	1502	4.67	ug/l	# 96
11) Tert butyl alcohol	3.06	59	233	0.30	ug/l	# 65
13) Acrolein	2.29	56	308	1.01	ug/l	# 4
15) Acrylonitrile	3.15	53	692	0.37	ug/l	# 83
16) Acetone	2.44	43	973	0.62	ug/l	98
17) Carbon Disulfide	2.57	76	2516	0.33	ug/l	# 79
20) Methylene Chloride	2.85	84	1623	0.50	ug/l	93
29) Tetrahydrofuran	5.17	42	774	0.51	ug/l	# 67
38) Carbon Tetrachloride	5.67	117	22035	5.36	ug/l	# 15
39) Methylcyclohexane	7.46	83	1281	0.29	ug/l	# 90
55) 1,1,2-Trichloroethane	9.16	97	2955	0.93	ug/l	# 22
58) 2-Chloroethyl Vinyl ether	8.32	63	131	7.33	ug/l	# 45
59) 2-Hexanone	9.45	43	11708	3.40	ug/l	# 26
67) Ethyl Benzene	10.26	91	29339	2.12	ug/l	98
68) m/p-Xylenes	10.36	106	16749	3.15	ug/l	97
69) o-Xylene	10.70	106	1833	0.36	ug/l	88
73) Isopropylbenzene	11.02	105	102716	7.89	ug/l	100
74) N-amyl acetate	10.91	43	35506	6.48	ug/l	# 1
75) 1,1,2,2-Tetrachloroethane	11.27	83	27856	6.64	ug/l	# 33
76) 1,2,3-Trichloropropane	11.43	75	7180	1.81	ug/l	# 1
78) n-propylbenzene	11.36	91	304305	20.34	ug/l	99
79) 2-Chlorotoluene	11.43	91	105097	11.58	ug/l	# 40
80) 1,3,5-Trimethylbenzene	11.51	105	578759	52.90	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.14	75	89940	72.11	ug/l	# 12
82) 4-Chlorotoluene	11.51	91	59529	5.62	ug/l	# 47
83) tert-Butylbenzene	11.77	119	25747	2.47	ug/l	86
84) 1,2,4-Trimethylbenzene	11.81	105	1899440	170.05	ug/l	99
85) sec-Butylbenzene	11.94	105	187418	14.12	ug/l	78
86) p-Isopropyltoluene	12.07	119	147113	12.55	ug/l	99
89) n-Butylbenzene	12.39	91	255781	23.95	ug/l	# 46
90) Hexachloroethane	12.59	117	21713	11.57	ug/l	# 3
92) 1,2-Dibromo-3-Chloropropan	13.02	75	1621	1.81	ug/l	# 1

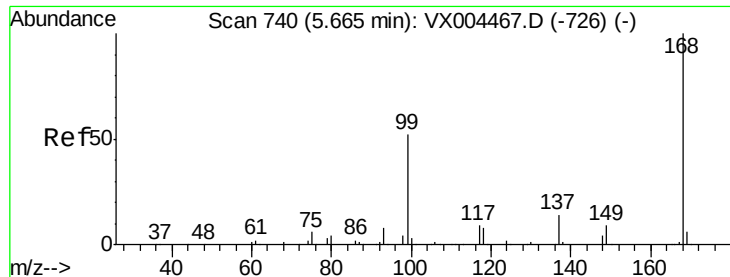
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX091318\
Data File : VX004511.D
Acq On : 13 Sep 2018 13:00
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Quant Time: Sep 14 03:52:33 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X091118W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 12 02:17:23 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	1606	0.33	ug/l #	1
94) Hexachlorobutadiene	13.79	225	808	0.32	ug/l	94
95) Naphthalene	13.83	128	119899	8.89	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	1217	0.25	ug/l #	55

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.01 min

Lab File: VX004511.D

Acq: 13 Sep 2018 13:00

Instrument :

MSVOA_X

ClientSampleId :

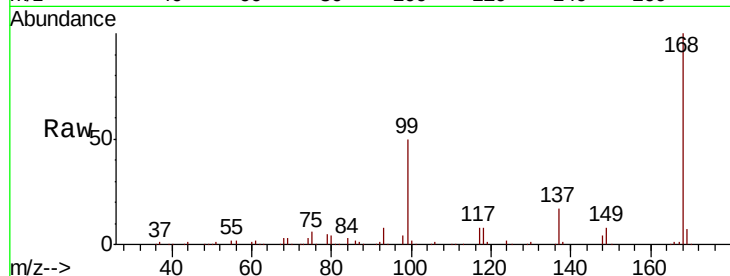
EP1-SUT-4USTS-SBDL

Tot Ion:168 Resp: 250455

Ion Ratio Lower Upper

168 100

99 50.4 39.9 59.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

100000

80000

60000

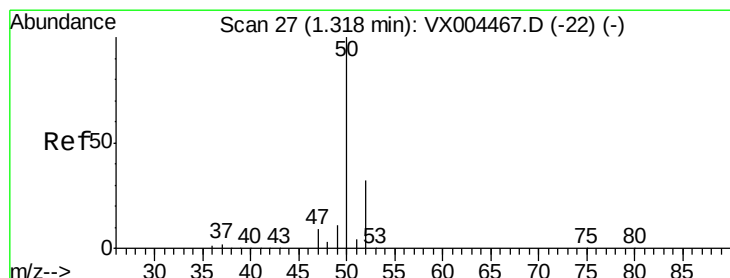
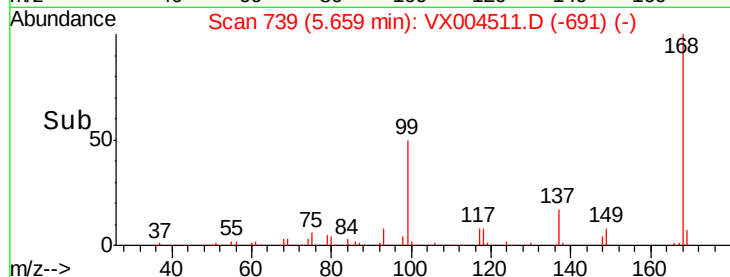
40000

20000

0

Time-->

5.50 5.60 5.70 5.80 5.90



#3

Chloromethane

Concen: 0.21 ug/l

RT: 1.32 min Scan# 28

Delta R.T. 0.01 min

Lab File: VX004511.D

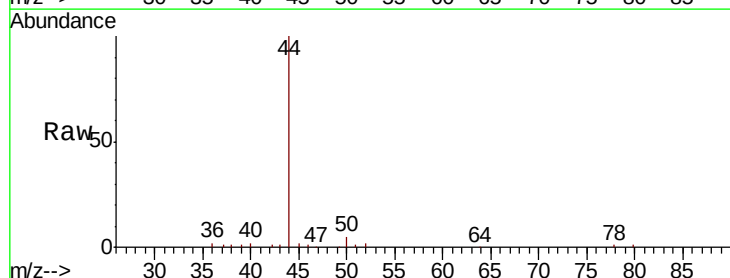
Acq: 13 Sep 2018 13:00

Tgt Ion: 50 Resp: 678

Ion Ratio Lower Upper

50 100

52 43.2 26.2 39.2#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.32

600

500

400

300

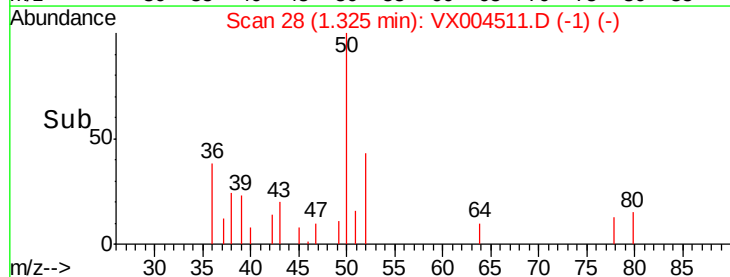
200

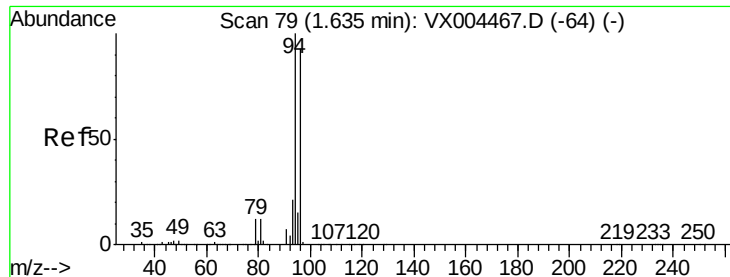
100

0

Time-->

1.30 1.35





#5

Bromomethane

Concen: Below Cal

RT: 1.64 min Scan# 80

Delta R.T. 0.01 min

Lab File: VX004511.D

Acq: 13 Sep 2018 13:00

Instrument :

MSVOA_X

ClientSampleId :

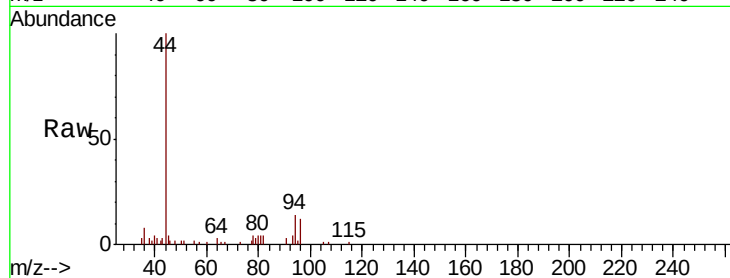
EP1-SUT-4USTS-SBDL

Tot Ion: 94 Resp: 1078

Ion Ratio Lower Upper

94 100

96 87.9 74.5 111.7



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.64

800

600

400

200

0

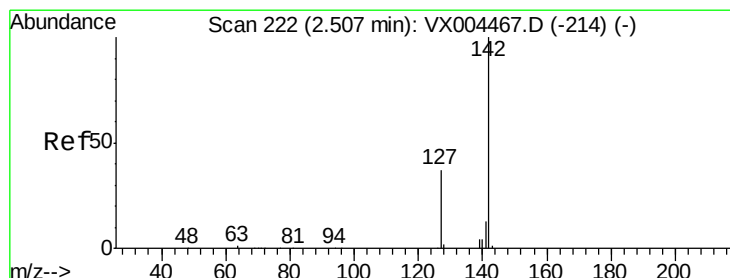
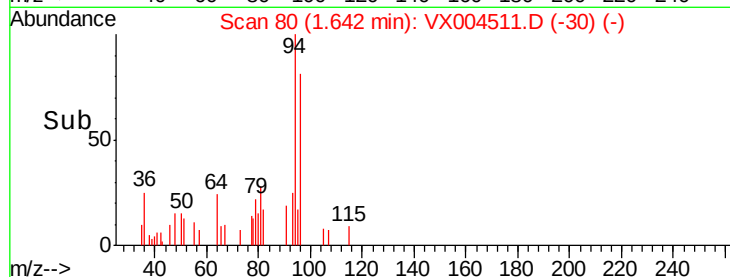
Time-->

1.55

1.60

1.65

1.70



#10

Methyl Iodide

Concen: 4.67 ug/l

RT: 2.53 min Scan# 225

Delta R.T. 0.02 min

Lab File: VX004511.D

Acq: 13 Sep 2018 13:00

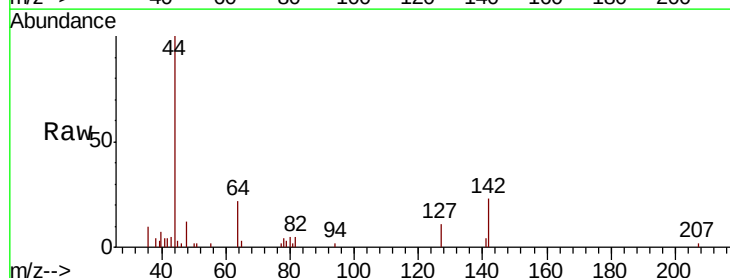
Tgt Ion: 142 Resp: 1502

Ion Ratio Lower Upper

142 100

127 43.5 33.8 50.6

141 18.3 11.4 17.0#



Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

800

600

400

200

0

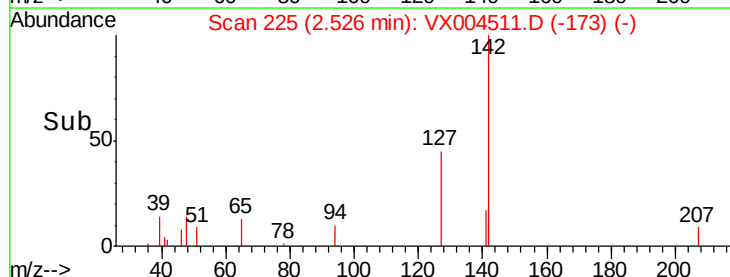
Time-->

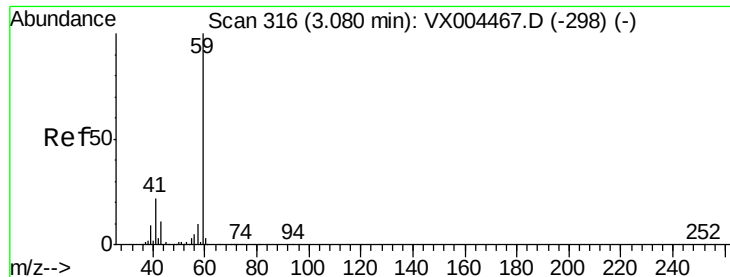
2.45

2.50

2.55

2.60



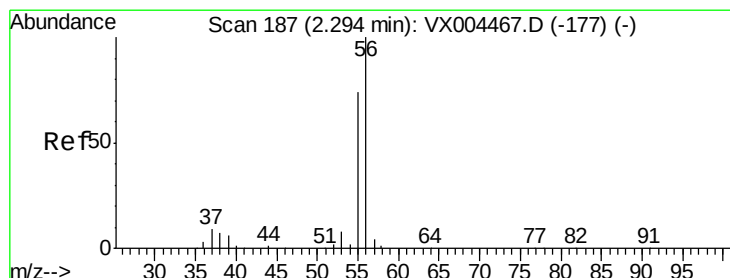
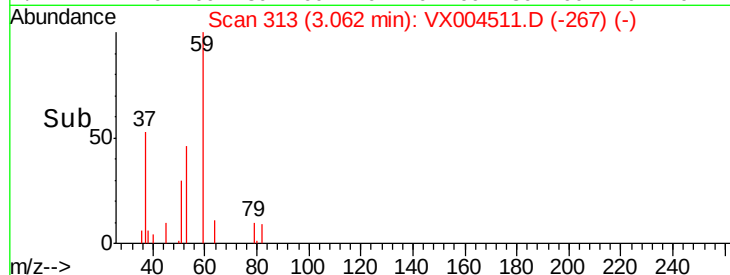
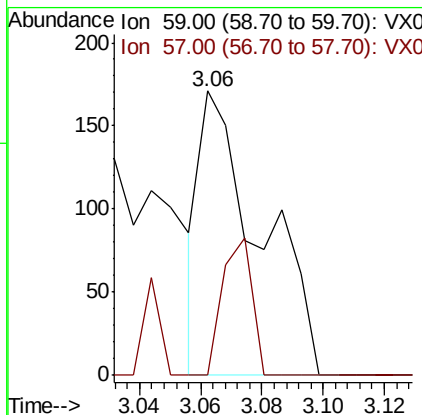
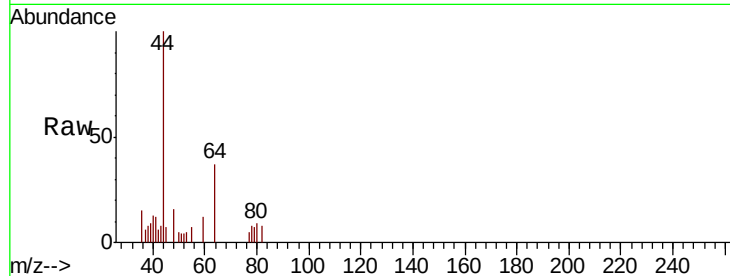


#11

Tert butyl alcohol
 Concen: 0.30 ug/l
 RT: 3.06 min Scan# 313
 Delta R.T. -0.02 min
 Lab File: VX004511.D
 Acq: 13 Sep 2018 13:00

Instrument :
 MSVOA_X
 ClientSampleId :
 EP1-SUT-4USTS-SBDL

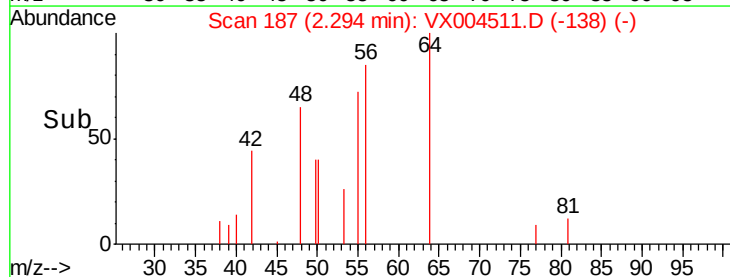
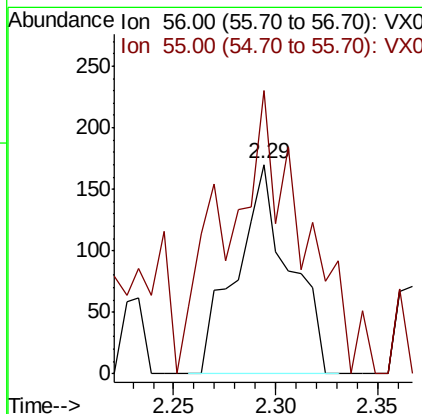
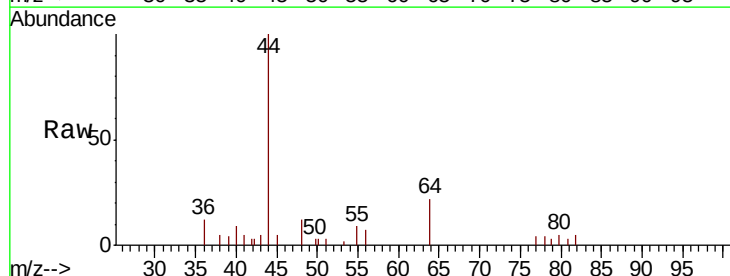
Tot Ion: 59 Resp: 233
 Ion Ratio Lower Upper
 59 100
 57 23.2 8.2 12.4#

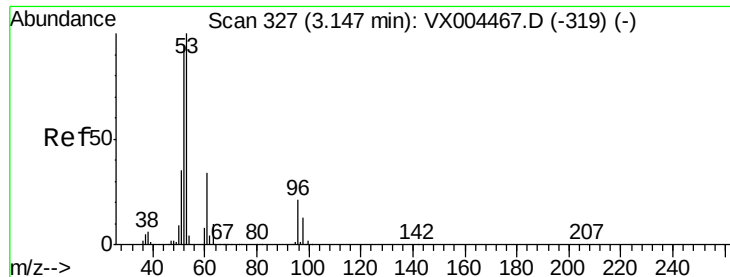


#13

Acrolein
 Concen: 1.01 ug/l
 RT: 2.29 min Scan# 187
 Delta R.T. 0.00 min
 Lab File: VX004511.D
 Acq: 13 Sep 2018 13:00

Tgt Ion: 56 Resp: 308
 Ion Ratio Lower Upper
 56 100
 55 146.1 54.7 82.1#





#15

Acrylonitrile

Concen: 0.37 ug/l

RT: 3.15 min Scan# 327

Delta R.T. 0.00 min

Lab File: VX004511.D

Acq: 13 Sep 2018 13:00

Instrument :

MSVOA_X

ClientSampleId :

EP1-SUT-4USTS-SBDL

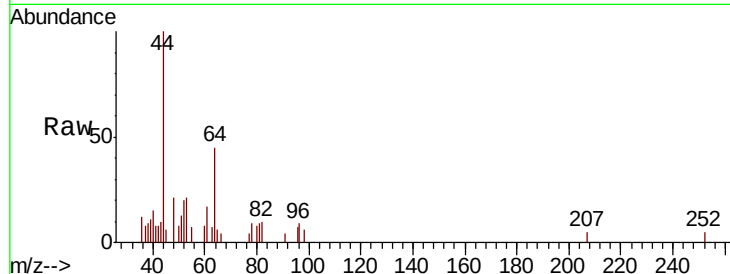
Tot Ion: 53 Resp: 692

Ion Ratio Lower Upper

53 100

52 83.4 65.2 97.8

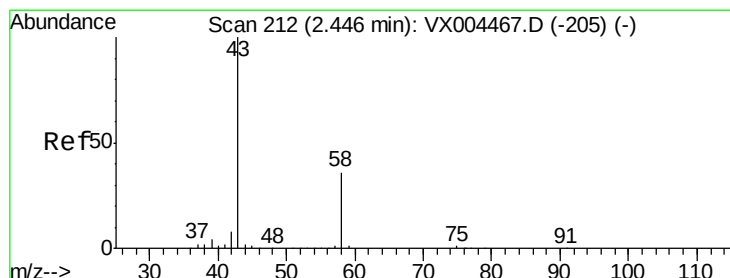
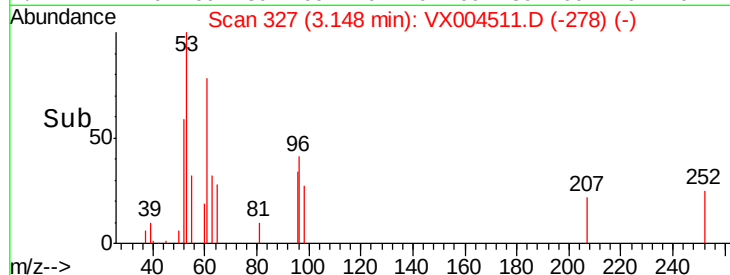
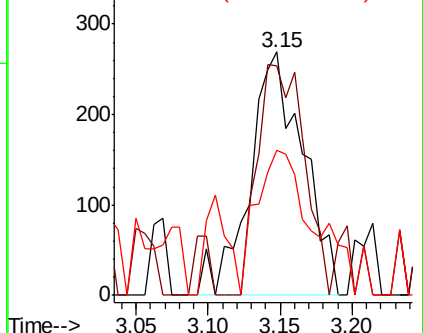
51 66.0 28.2 42.2#



Abundance Ion 53.00 (52.70 to 53.70): VX0

Ion 52.00 (51.70 to 52.70): VX0

Ion 51.00 (50.70 to 51.70): VX0



#16

Acetone

Concen: 0.62 ug/l

RT: 2.44 min Scan# 211

Delta R.T. -0.01 min

Lab File: VX004511.D

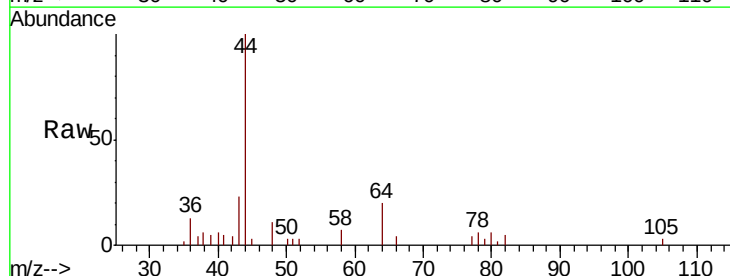
Acq: 13 Sep 2018 13:00

Tgt Ion: 43 Resp: 973

Ion Ratio Lower Upper

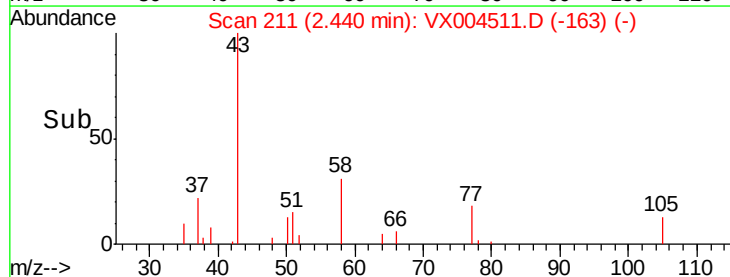
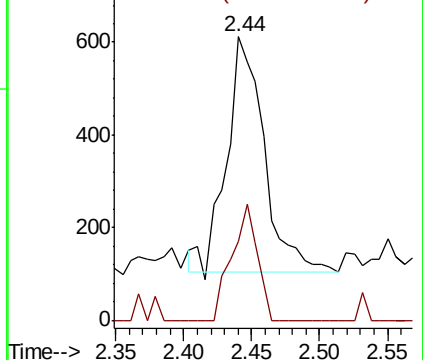
43 100

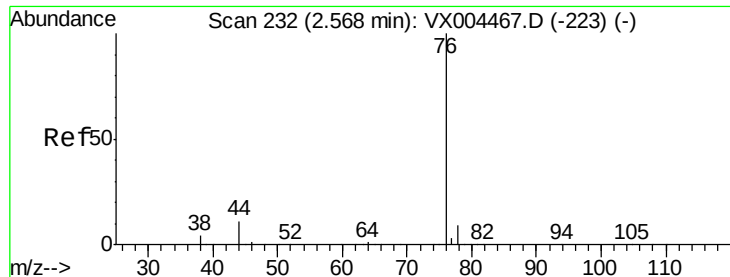
58 33.7 26.2 39.4



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#17

Carbon Disulfide

Concen: 0.33 ug/l

RT: 2.57 min Scan# 232

Delta R.T. 0.00 min

Lab File: VX004511.D

Acq: 13 Sep 2018 13:00

Instrument :

MSVOA_X

ClientSampleId :

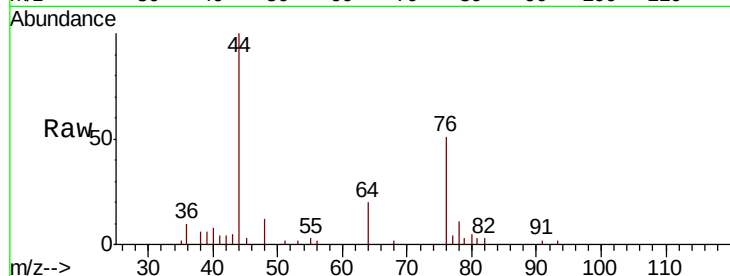
EP1-SUT-4USTS-SBDL

Tot Ion: 76 Resp: 2516

Ion Ratio Lower Upper

76 100

78 16.5 7.0 10.6#



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

2.57

1500

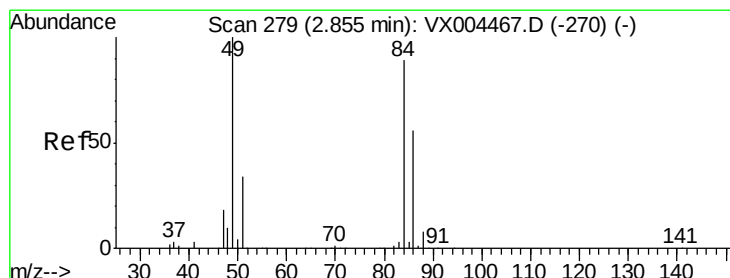
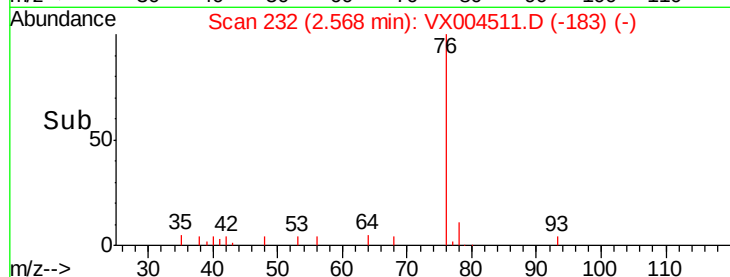
1000

500

0

2.50 2.55 2.60 2.65

Time-->



#20

Methylene Chloride

Concen: 0.50 ug/l

RT: 2.85 min Scan# 279

Delta R.T. 0.00 min

Lab File: VX004511.D

Acq: 13 Sep 2018 13:00

Tgt Ion: 84 Resp: 1623

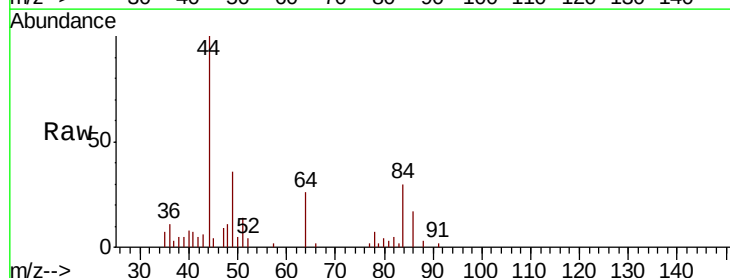
Ion Ratio Lower Upper

84 100

49 121.3 101.2 151.8

51 40.1 29.5 44.3

86 55.5 52.3 78.5



Abundance Ion 83.90 (83.60 to 84.60): VX0

Ion 48.90 (48.60 to 49.60): VX0

Ion 50.90 (50.60 to 51.60): VX0

Ion 85.90 (85.60 to 86.60): VX0

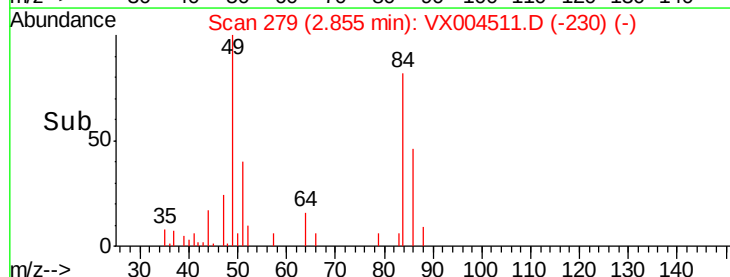
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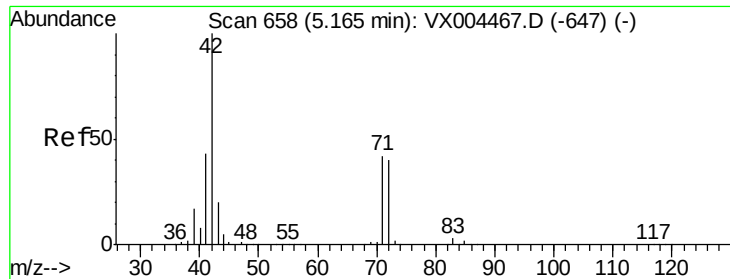
500

0

2.80 2.85 2.90 2.95

Time-->





#29

Tetrahydrofuran

Concen: 0.51 ug/l

RT: 5.17 min Scan# 659

Delta R.T. 0.01 min

Lab File: VX004511.D

Acq: 13 Sep 2018 13:00

Instrument :

MSVOA_X

ClientSampleId :

EP1-SUT-4USTS-SBDL

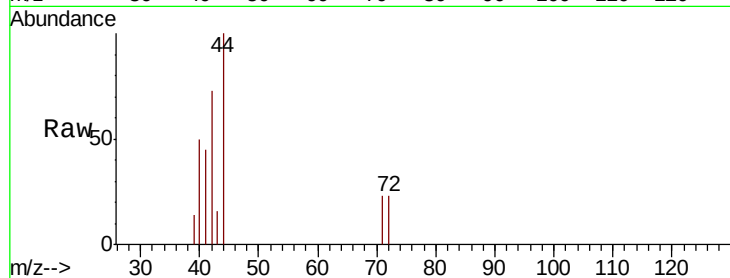
Tot Ion: 42 Resp: 774

Ion Ratio Lower Upper

42 100

72 27.3 37.4 56.0#

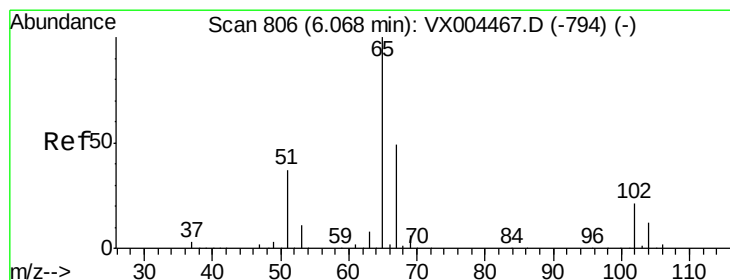
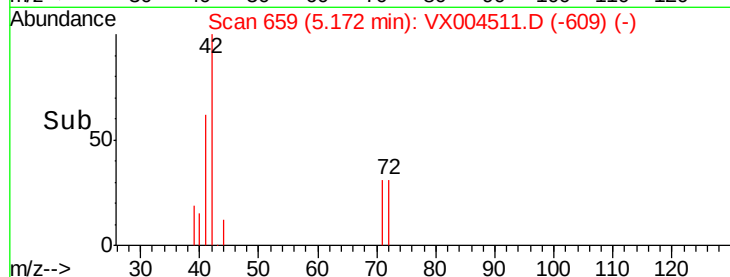
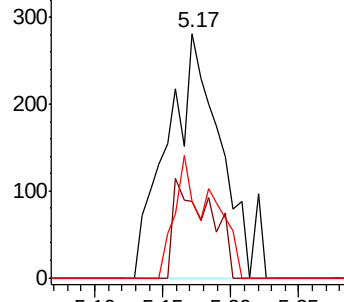
71 19.9 34.5 51.7#



Abundance Ion 42.00 (41.70 to 42.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0



#33

1,2-Dichloroethane-d4

Concen: 51.00 ug/l

RT: 6.06 min Scan# 805

Delta R.T. -0.01 min

Lab File: VX004511.D

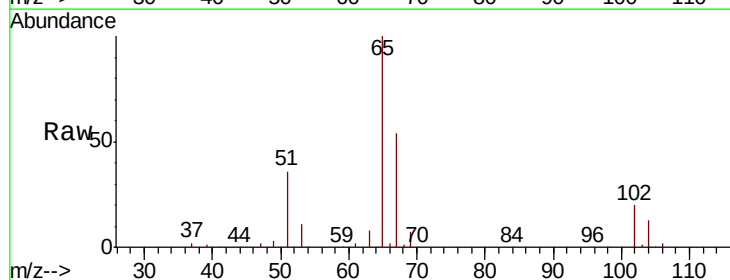
Acq: 13 Sep 2018 13:00

Tgt Ion: 65 Resp: 164706

Ion Ratio Lower Upper

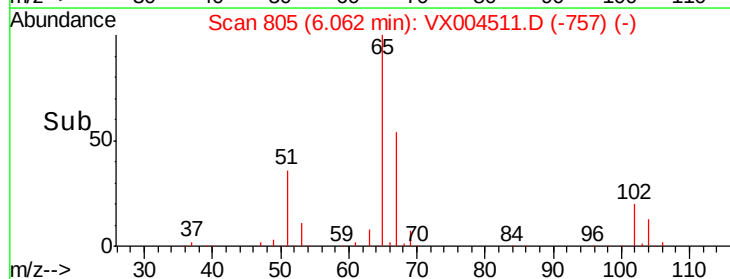
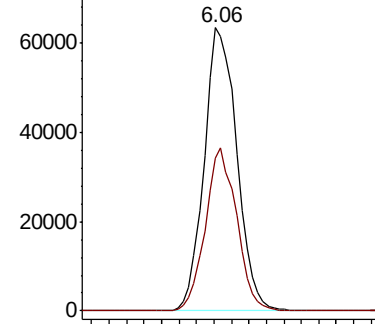
65 100

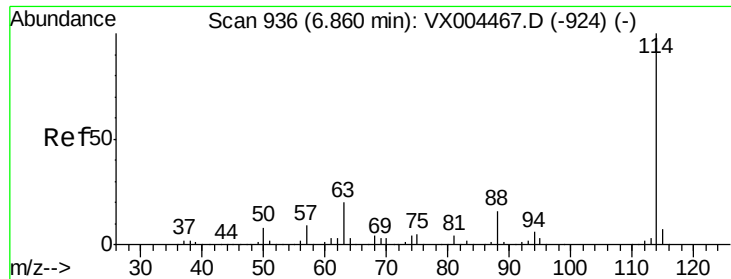
67 55.2 0.0 106.8



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

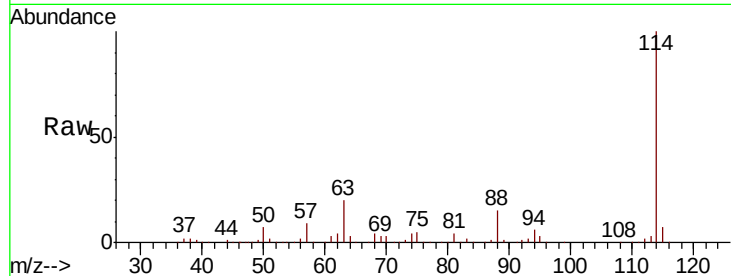




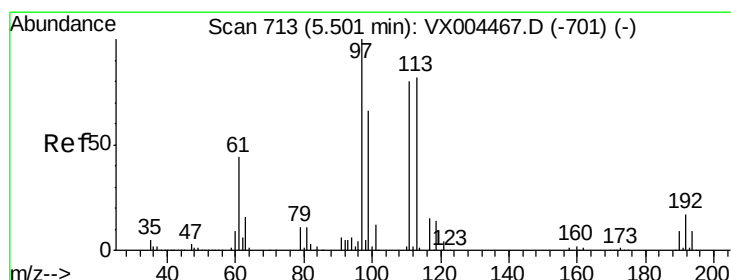
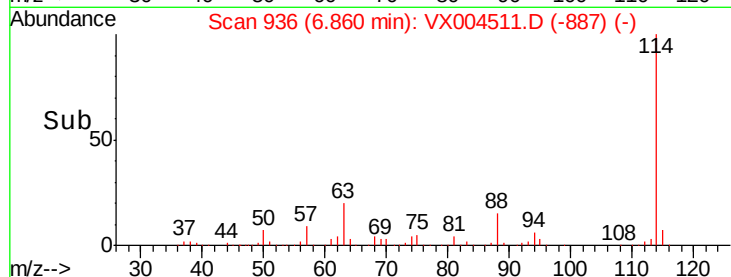
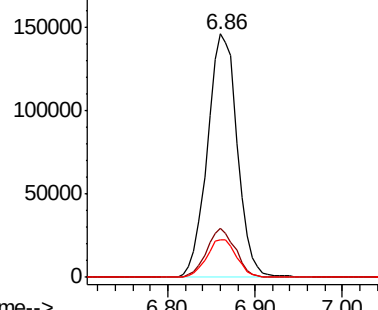
#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX004511.D
 Acq: 13 Sep 2018 13:00

Instrument :
 MSVOA_X
 ClientSampleId :
 EP1-SUT-4USTS-SBDL

Tot Ion	Ratio	Lower	Upper
114	100		
63	20.0	0.0	39.0
88	15.3	0.0	30.4

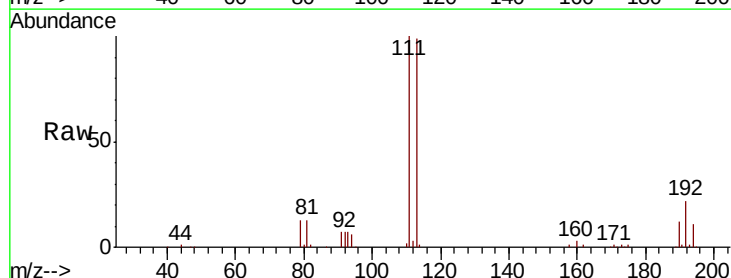


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VX0
 Ion 87.90 (87.60 to 88.60): VX0

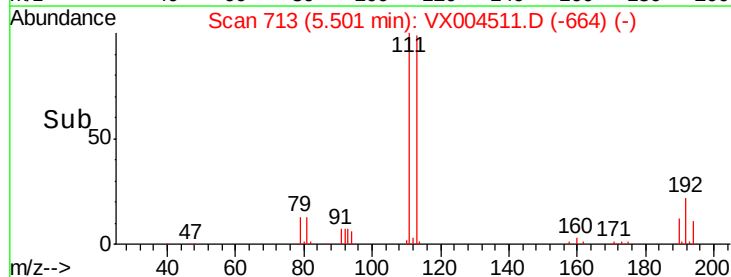
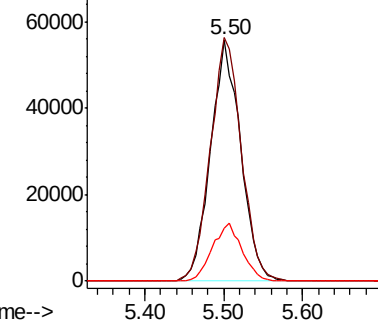


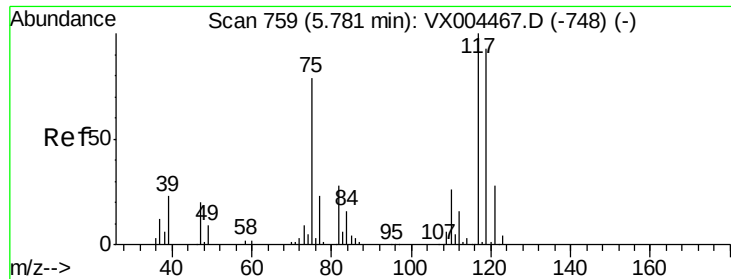
#35
 Dibromofluoromethane
 Concen: 46.64 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. 0.00 min
 Lab File: VX004511.D
 Acq: 13 Sep 2018 13:00

Tgt Ion	Ratio	Lower	Upper
113	100		
111	103.9	82.4	123.6
192	23.7	19.4	29.2



Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V





#38

Carbon Tetrachloride

Concen: 5.36 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.12 min

Lab File: VX004511.D

Acq: 13 Sep 2018 13:00

Instrument :

MSVOA_X

ClientSampleId :

EP1-SUT-4USTS-SBDL

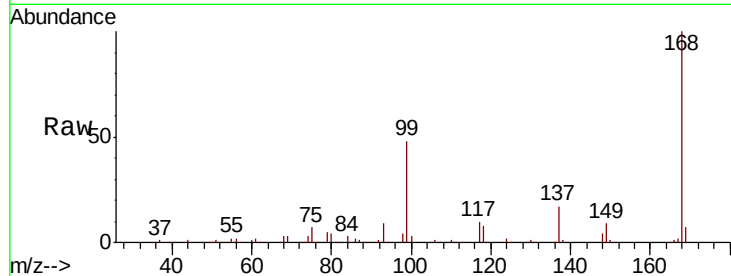
Tot Ion:117 Resp: 22035

Ion Ratio Lower Upper

117 100

119 5.0 78.8 118.2#

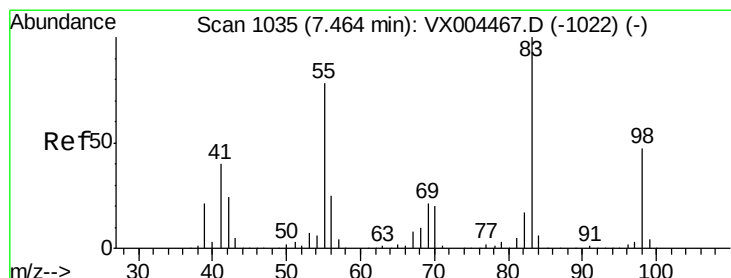
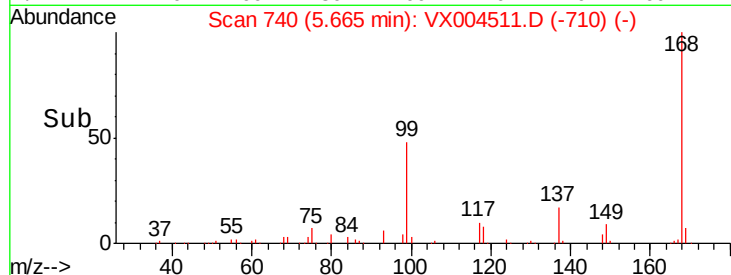
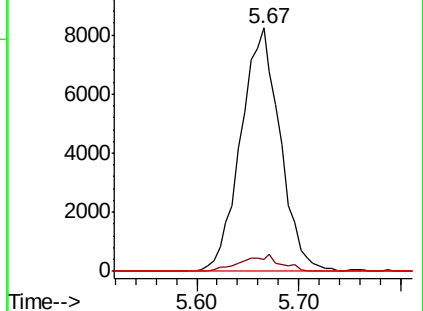
121 0.0 24.9 37.3#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#39

Methylcyclohexane

Concen: 0.29 ug/l

RT: 7.46 min Scan# 1034

Delta R.T. -0.01 min

Lab File: VX004511.D

Acq: 13 Sep 2018 13:00

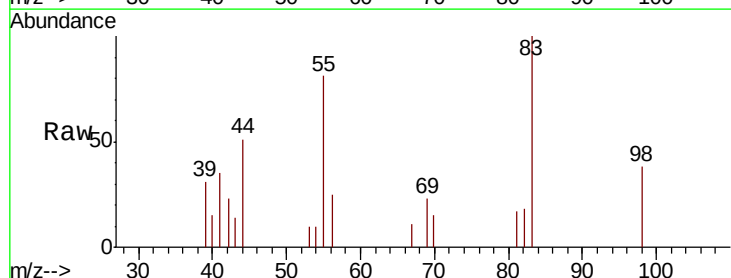
Tgt Ion: 83 Resp: 1281

Ion Ratio Lower Upper

83 100

55 81.4 61.0 91.4

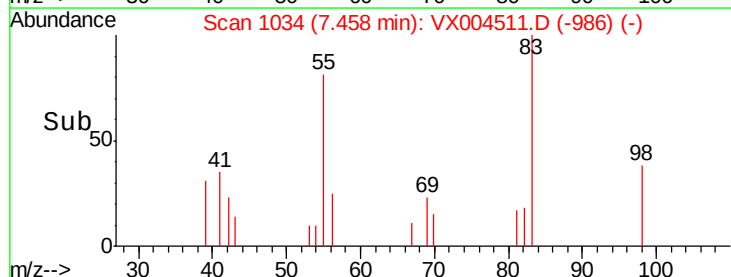
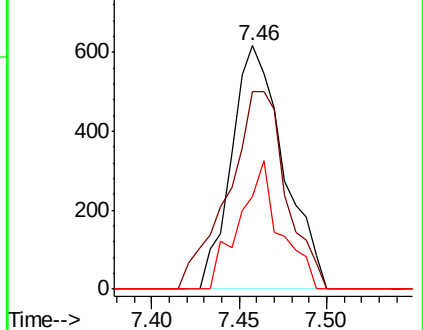
98 37.8 39.6 59.4#

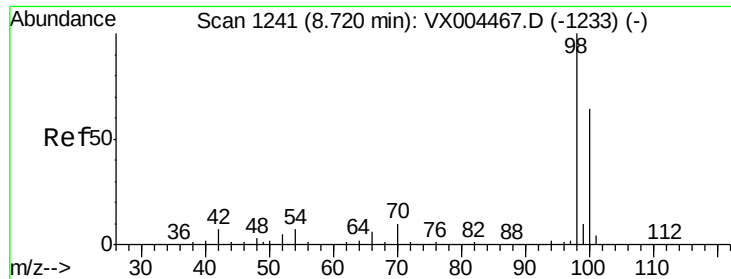


Abundance Ion 83.00 (82.70 to 83.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 98.00 (97.70 to 98.70): VX0





#50

Toluene-d8

Concen: 48.65 ug/l

RT: 8.72 min Scan# 1241

Delta R.T. 0.00 min

Lab File: VX004511.D

Acq: 13 Sep 2018 13:00

Instrument :

MSVOA_X

ClientSampleId :

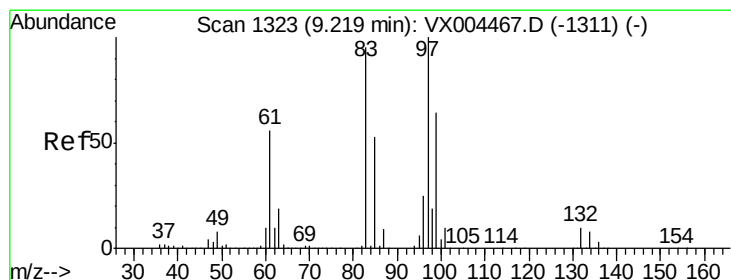
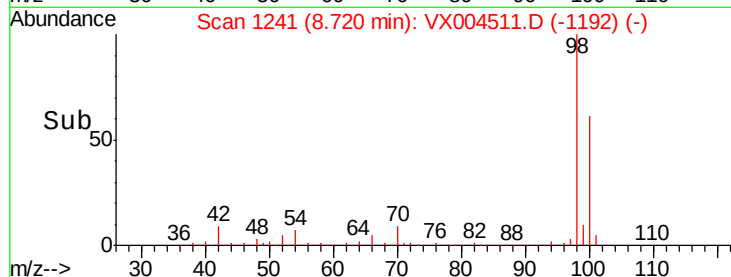
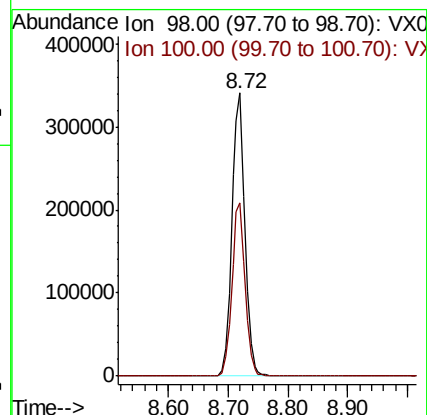
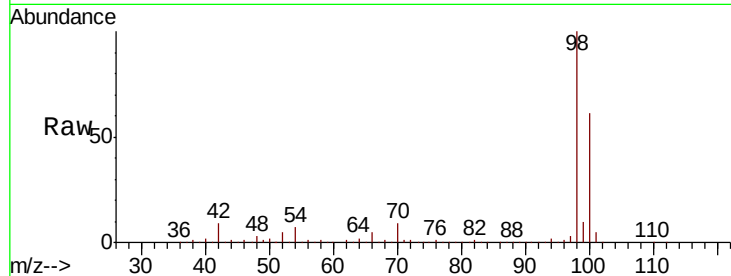
EP1-SUT-4USTS-SBDL

Tot Ion: 98 Resp: 518009

Ion Ratio Lower Upper

98 100

100 62.0 52.9 79.3



#55

1,1,2-Trichloroethane

Concen: 0.93 ug/l

RT: 9.16 min Scan# 1314

Delta R.T. -0.05 min

Lab File: VX004511.D

Acq: 13 Sep 2018 13:00

Tgt Ion: 97 Resp: 2955

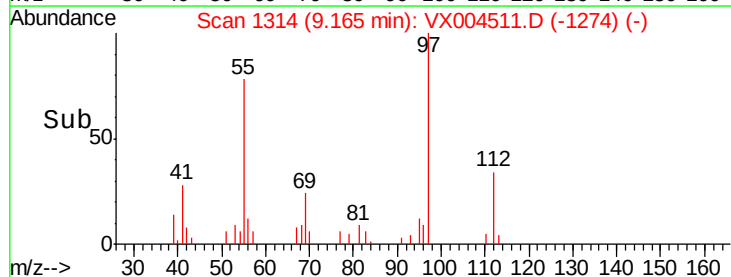
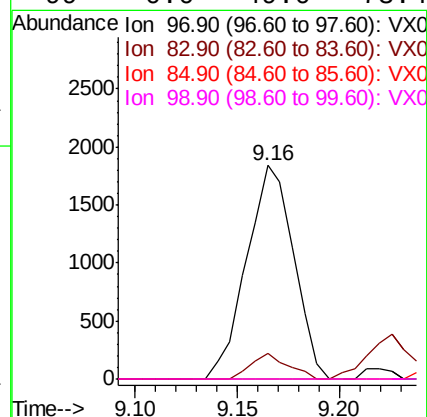
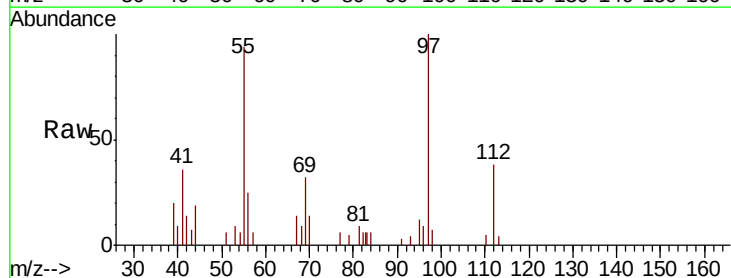
Ion Ratio Lower Upper

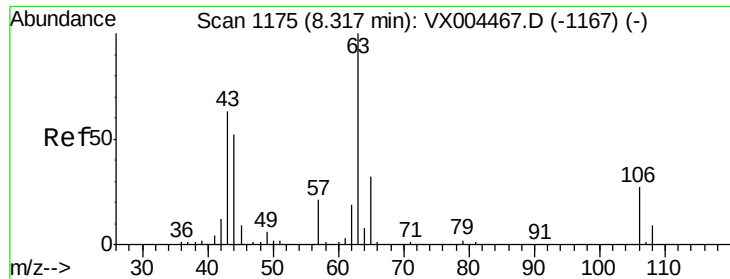
97 100

83 11.9 66.4 99.6#

85 0.0 43.3 64.9#

99 0.0 49.0 73.4#





#58

2-Chloroethyl Vinyl ether

Concen: 7.33 ug/l

RT: 8.32 min Scan# 1175

Delta R.T. 0.00 min

Lab File: VX004511.D

Acq: 13 Sep 2018 13:00

Instrument :

MSVOA_X

ClientSampleId :

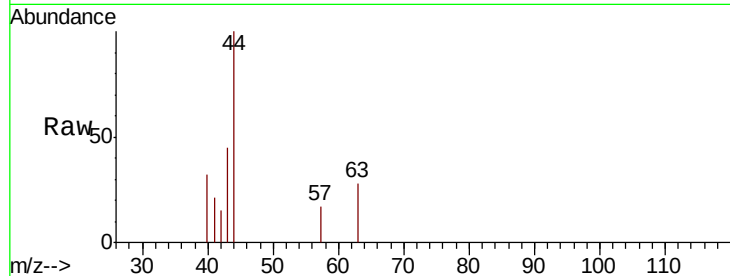
EP1-SUT-4USTS-SBDL

Tot Ion: 63 Resp: 131

Ion Ratio Lower Upper

63 100

106 0.0 23.9 35.9#



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V

8.32

100

80

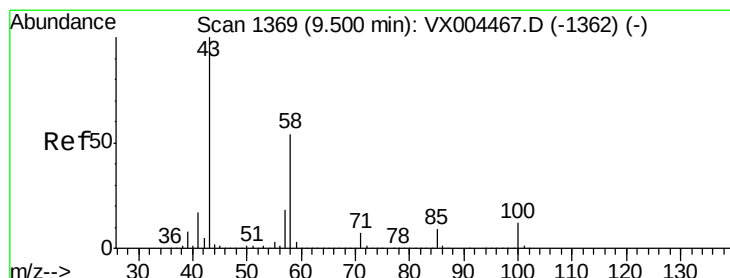
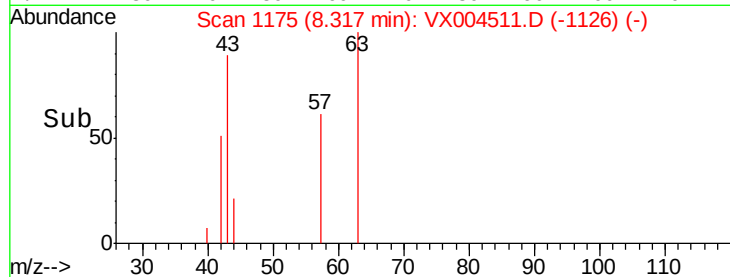
60

40

20

0

Time-->



#59

2-Hexanone

Concen: 3.40 ug/l

RT: 9.45 min Scan# 1360

Delta R.T. -0.05 min

Lab File: VX004511.D

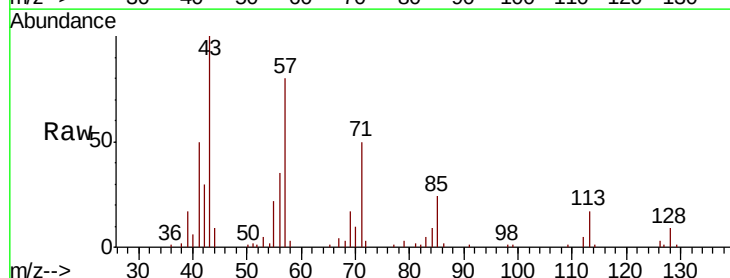
Acq: 13 Sep 2018 13:00

Tgt Ion: 43 Resp: 11708

Ion Ratio Lower Upper

43 100

58 2.6 29.0 87.0#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

9.45

8000

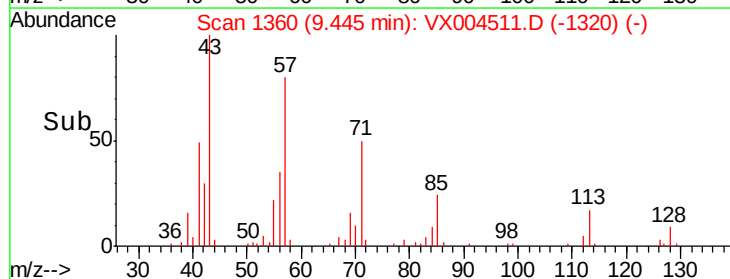
6000

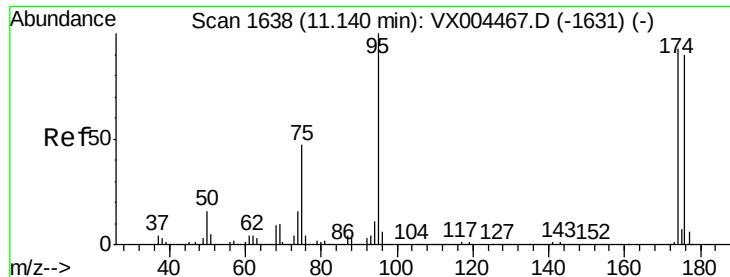
4000

2000

0

Time-->





#62

4-Bromofluorobenzene

Concen: 51.31 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. 0.00 min

Lab File: VX004511.D

Acq: 13 Sep 2018 13:00

Instrument :

MSVOA_X

ClientSampleId :

EP1-SUT-4USTS-SBDL

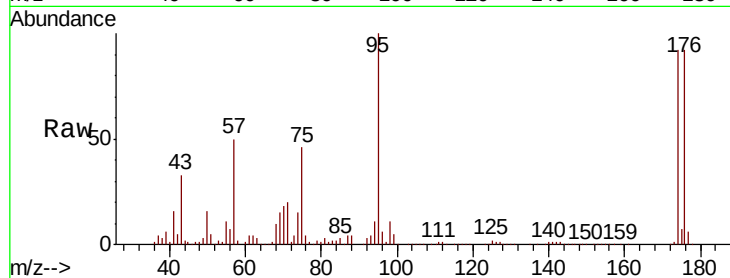
Tot Ion: 95 Resp: 195035

Ion Ratio Lower Upper

95 100

174 89.2 0.0 185.2

176 87.2 0.0 178.6

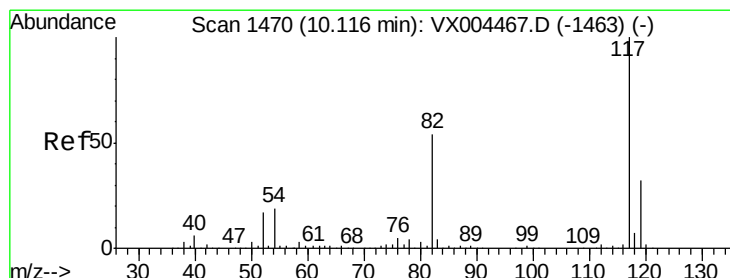
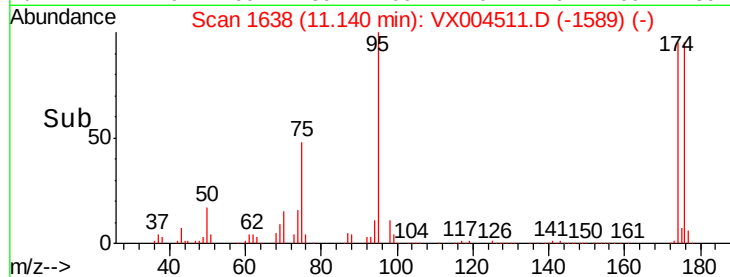
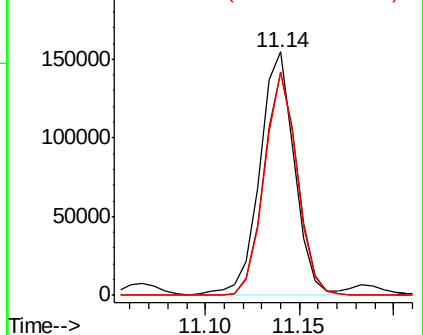


Abundance

Ion 94.90 (94.60 to 95.60): VX004511.D (-1589) (-)

Ion 173.80 (173.50 to 174.50): VX004511.D (-1589) (-)

Ion 175.80 (175.50 to 176.50): VX004511.D (-1589) (-)



#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 10.12 min Scan# 1470

Delta R.T. 0.00 min

Lab File: VX004511.D

Acq: 13 Sep 2018 13:00

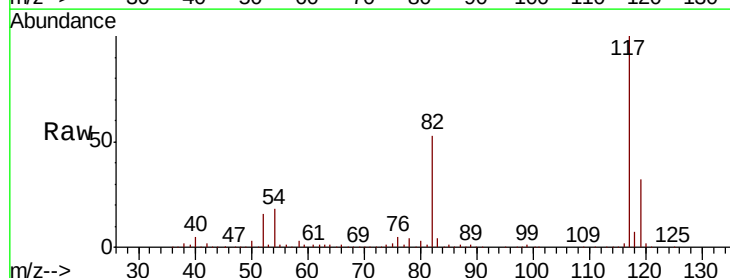
Tgt Ion: 117 Resp: 341984

Ion Ratio Lower Upper

117 100

82 53.1 47.8 71.6

119 32.3 29.3 43.9

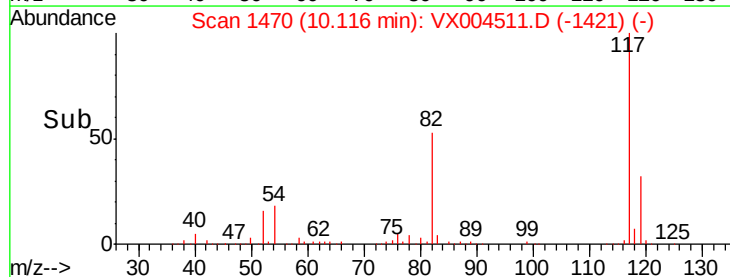
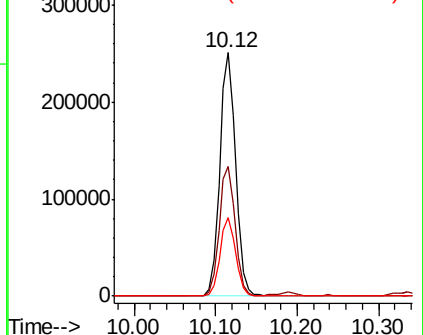


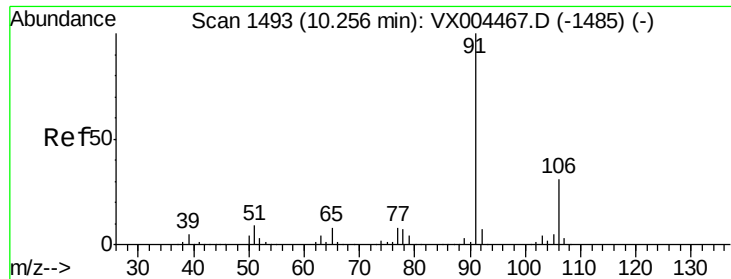
Abundance

Ion 116.90 (116.60 to 117.60): VX004511.D (-1421) (-)

Ion 82.00 (81.70 to 82.70): VX004511.D (-1421) (-)

Ion 118.90 (118.60 to 119.60): VX004511.D (-1421) (-)

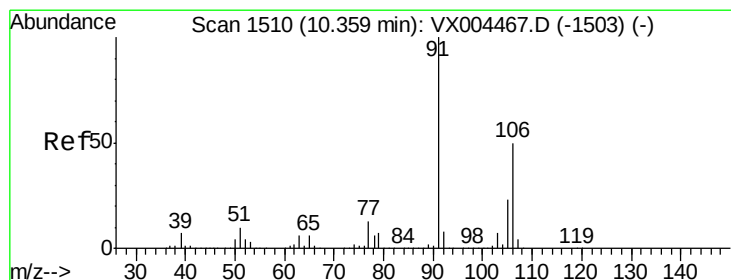
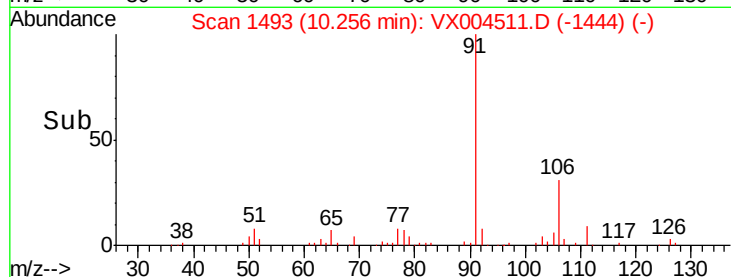
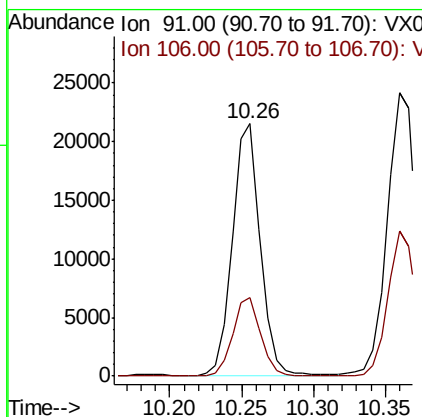
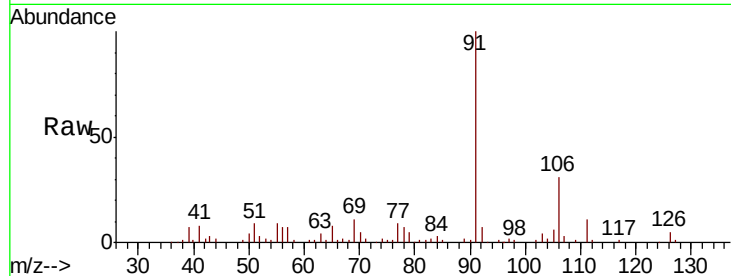




#67
Ethyl Benzene
Concen: 2.12 ug/l
RT: 10.26 min Scan# 1493
Delta R.T. 0.00 min
Lab File: VX004511.D
Acq: 13 Sep 2018 13:00

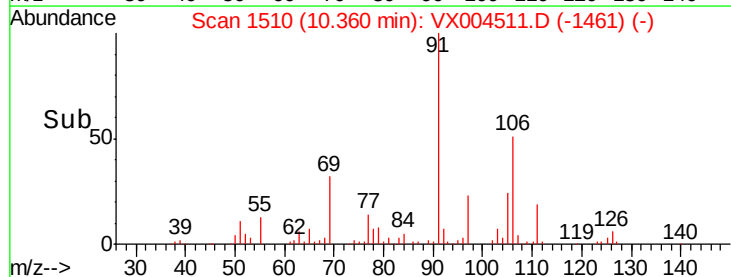
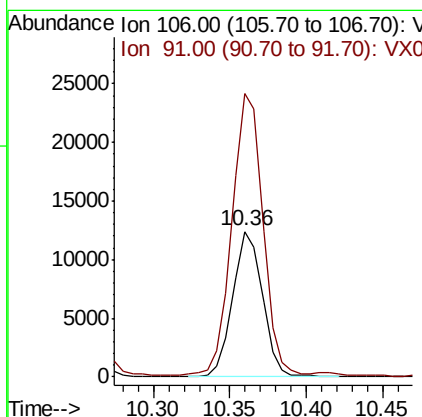
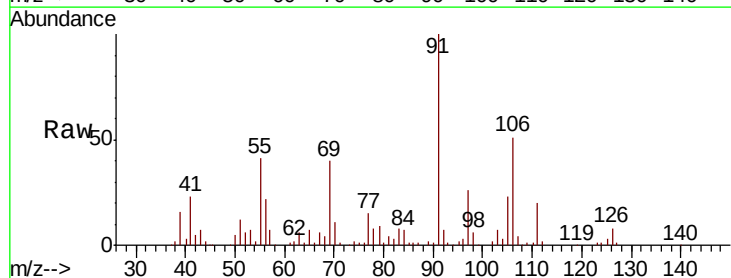
Instrument :
MSVOA_X
ClientSampleId :
EP1-SUT-4USTS-SBDL

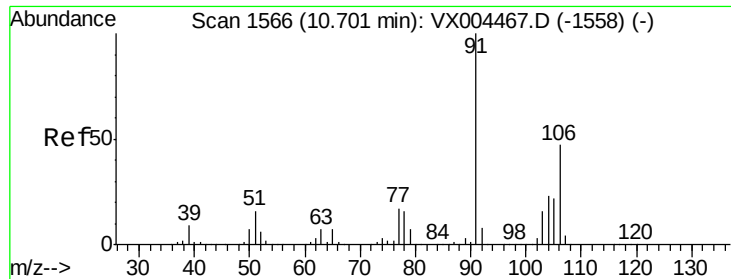
Tot Ion: 91 Resp: 29339
Ion Ratio Lower Upper
91 100
106 31.1 25.9 38.9



#68
m/p-Xylenes
Concen: 3.15 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. 0.00 min
Lab File: VX004511.D
Acq: 13 Sep 2018 13:00

Tgt Ion: 106 Resp: 16749
Ion Ratio Lower Upper
106 100
91 200.8 157.1 235.7

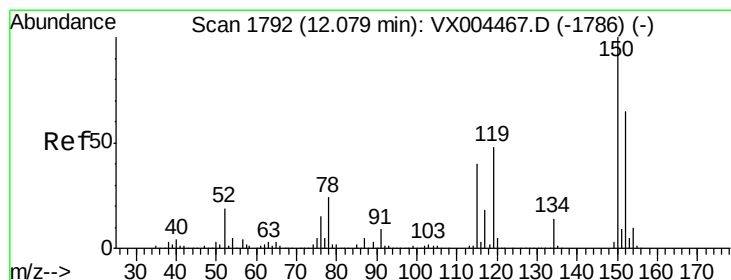
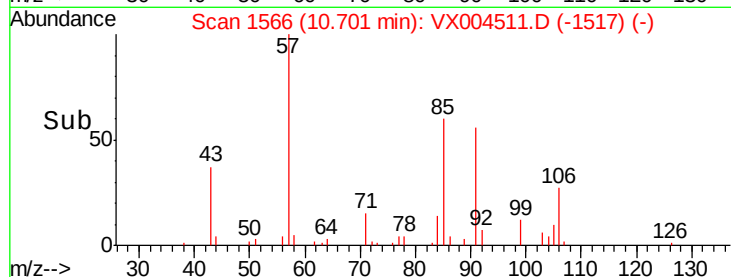
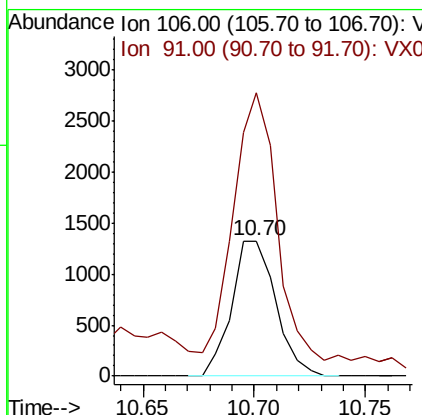
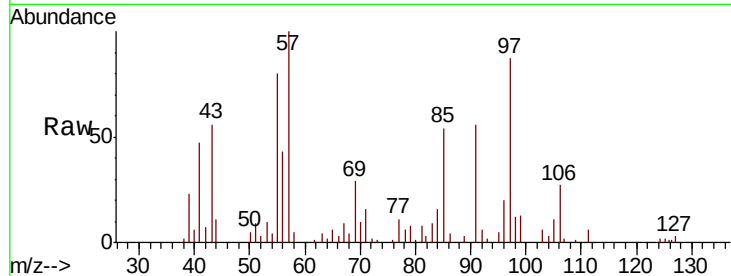




#69
o-Xylene
Concen: 0.36 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. 0.00 min
Lab File: VX004511.D
Acq: 13 Sep 2018 13:00

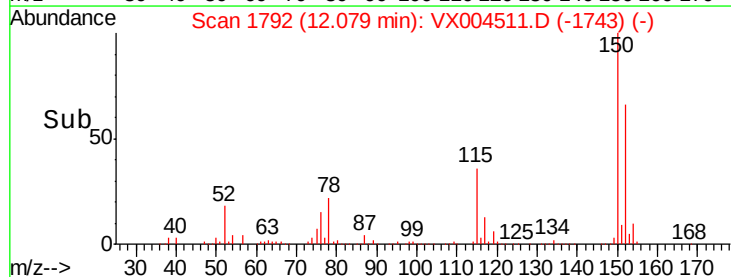
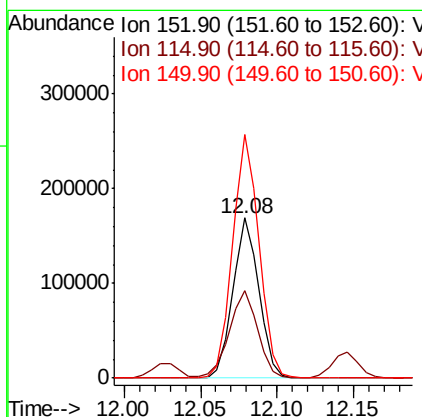
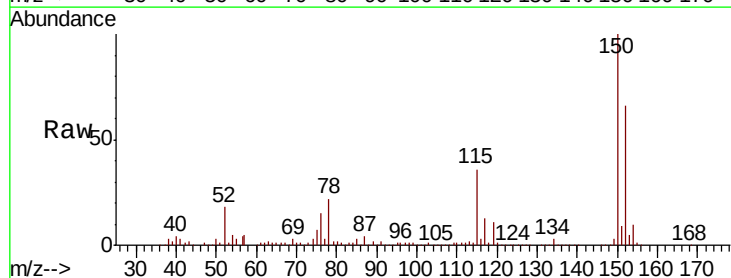
Instrument :
MSVOA_X
ClientSampleId :
EP1-SUT-4USTS-SBDL

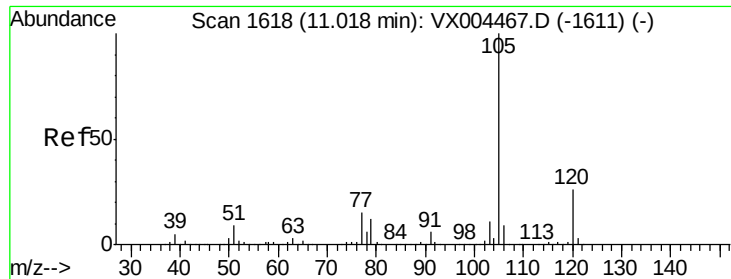
Tot Ion:106 Resp: 1833
Ion Ratio Lower Upper
106 100
91 228.1 105.1 315.1



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX004511.D
Acq: 13 Sep 2018 13:00

Tgt Ion:152 Resp: 197602
Ion Ratio Lower Upper
152 100
115 59.2 39.0 117.0
150 155.1 0.0 351.0





#73

Isopropylbenzene

Concen: 7.89 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VX004511.D

Acq: 13 Sep 2018 13:00

Instrument :

MSVOA_X

ClientSampleId :

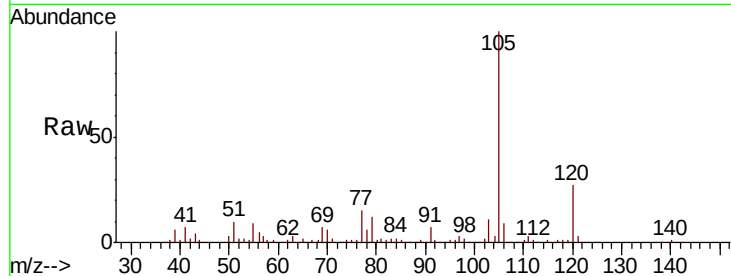
EP1-SUT-4USTS-SBDL

Tot Ion:105 Resp: 102716

Ion Ratio Lower Upper

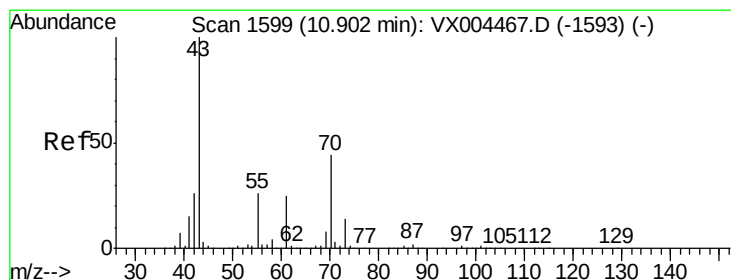
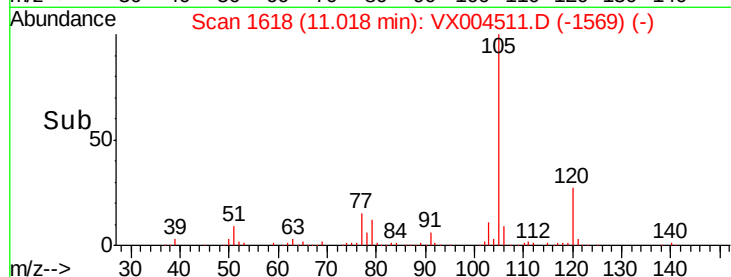
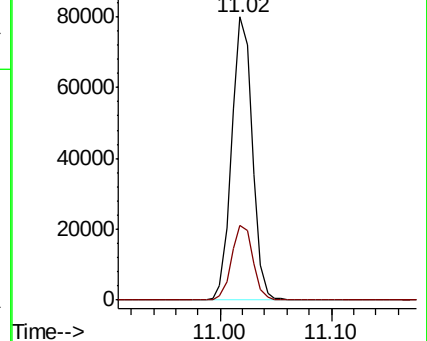
105 100

120 27.0 13.5 40.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 6.48 ug/l

RT: 10.91 min Scan# 1600

Delta R.T. 0.01 min

Lab File: VX004511.D

Acq: 13 Sep 2018 13:00

Tgt Ion: 43 Resp: 35506

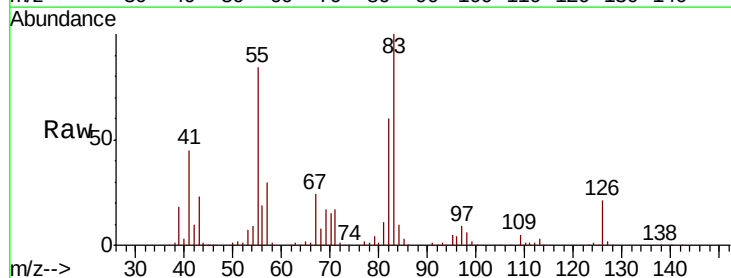
Ion Ratio Lower Upper

43 100

70 77.5 37.4 56.0#

55 328.4 21.8 32.8#

61 0.0 20.6 30.8#

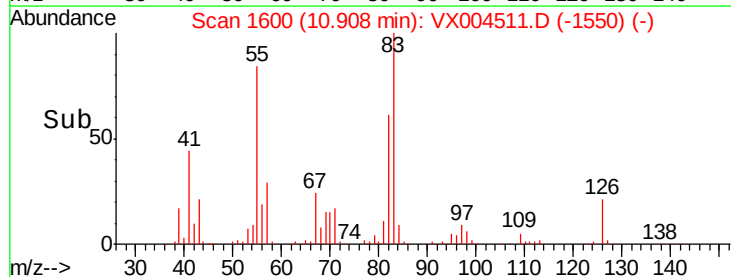
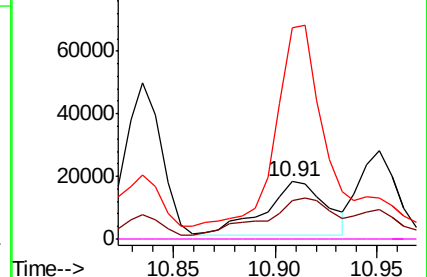


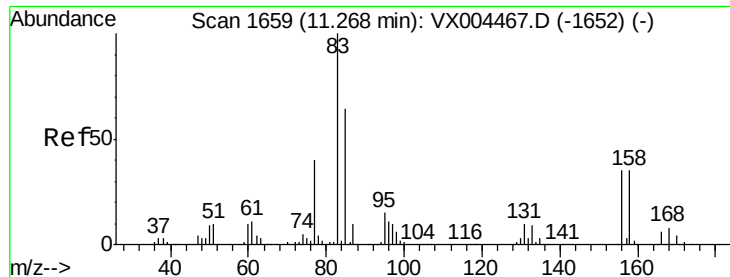
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0





#75

1,1,2,2-Tetrachloroethane

Concen: 6.64 ug/l

RT: 11.27 min Scan# 1660

Delta R.T. 0.01 min

Lab File: VX004511.D

Acq: 13 Sep 2018 13:00

Instrument :

MSVOA_X

ClientSampleId :

EP1-SUT-4USTS-SBDL

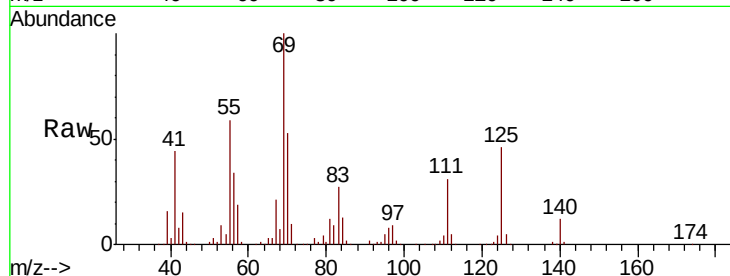
Tot Ion: 83 Resp: 27856

Ion Ratio Lower Upper

83 100

131 0.0 5.2 15.6#

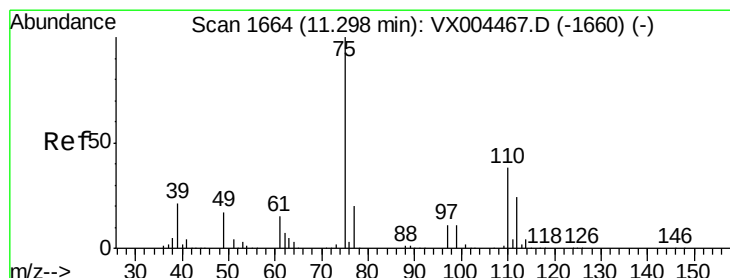
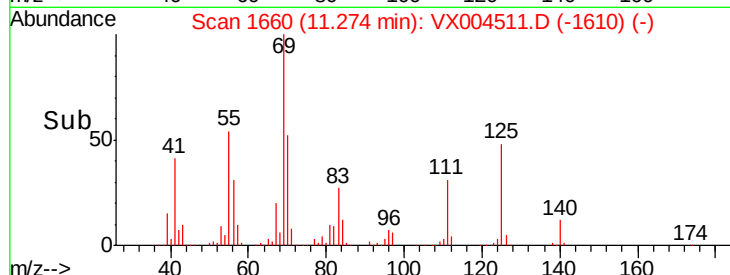
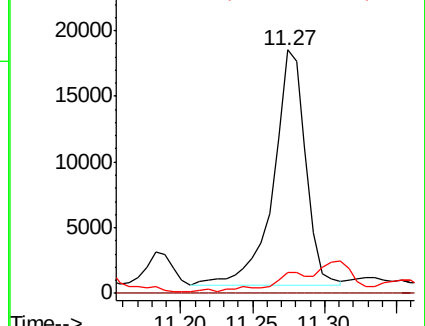
85 6.7 32.3 96.8#



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VX0



#76

1,2,3-Trichloropropane

Concen: 1.81 ug/l

RT: 11.43 min Scan# 1686

Delta R.T. 0.13 min

Lab File: VX004511.D

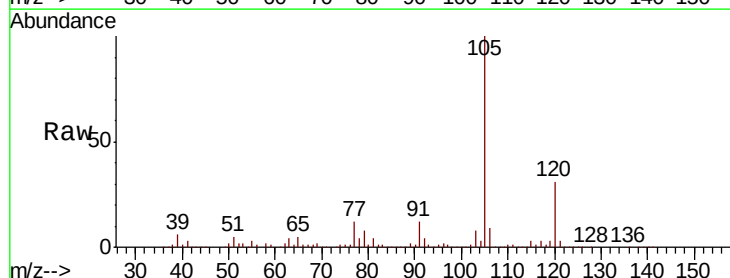
Acq: 13 Sep 2018 13:00

Tgt Ion: 75 Resp: 7180

Ion Ratio Lower Upper

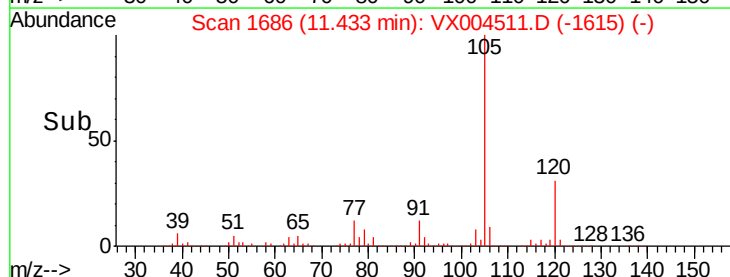
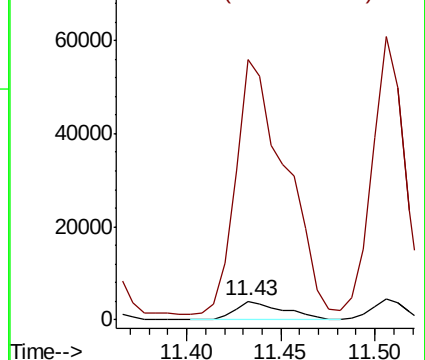
75 100

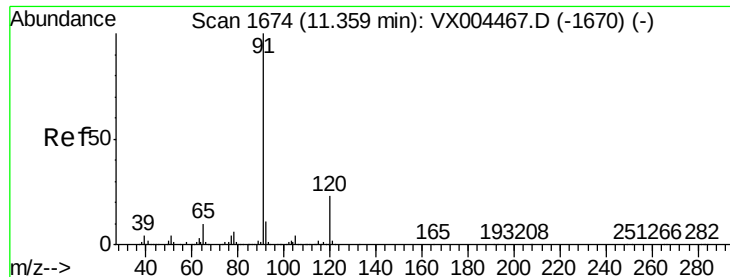
77 1451.1 20.2 60.6#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#78

n-propylbenzene

Concen: 20.34 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VX004511.D

Acq: 13 Sep 2018 13:00

Instrument :

MSVOA_X

ClientSampleId :

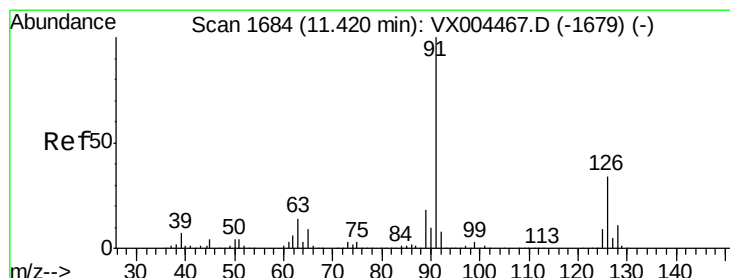
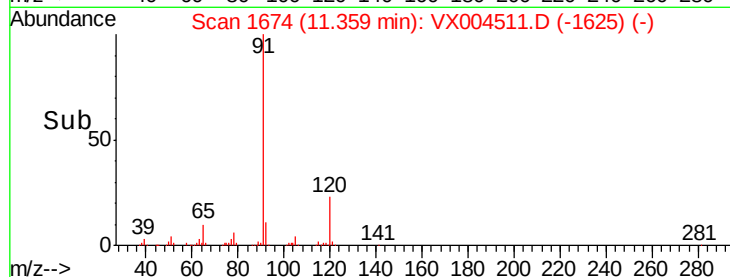
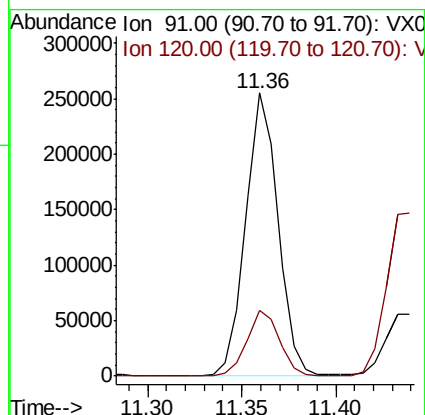
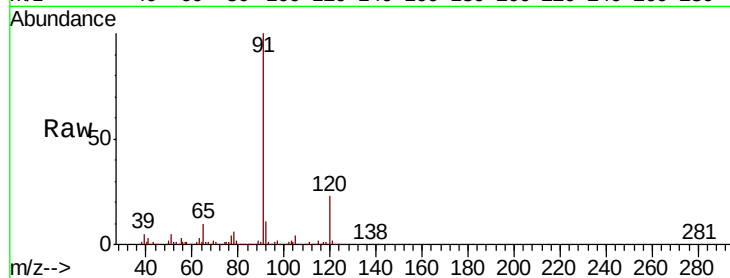
EP1-SUT-4USTS-SBDL

Tot Ion: 91 Resp: 304305

Ion Ratio Lower Upper

91 100

120 23.3 11.9 35.9



#79

2-Chlorotoluene

Concen: 11.58 ug/l

RT: 11.43 min Scan# 1686

Delta R.T. 0.01 min

Lab File: VX004511.D

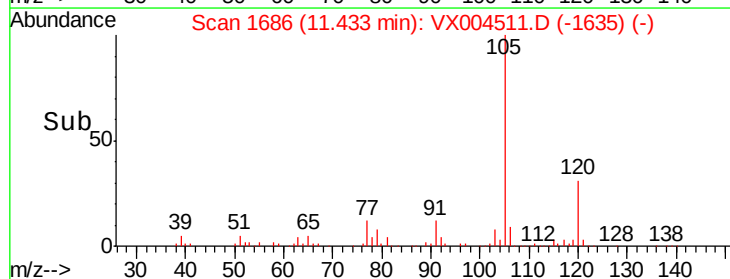
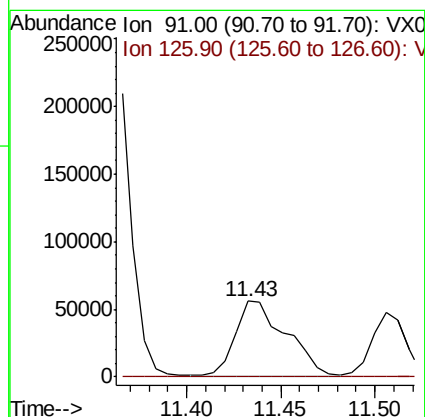
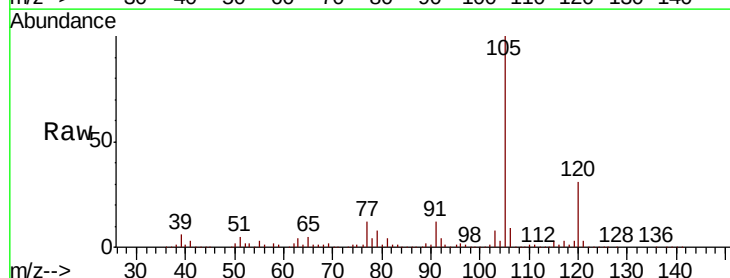
Acq: 13 Sep 2018 13:00

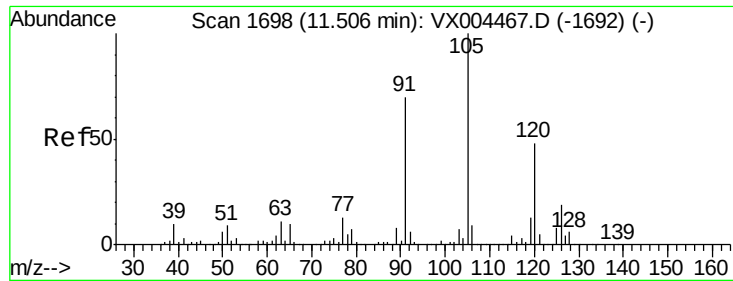
Tgt Ion: 91 Resp: 105097

Ion Ratio Lower Upper

91 100

126 0.4 17.9 53.7#

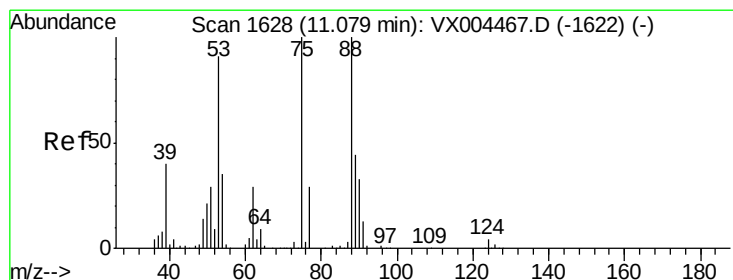
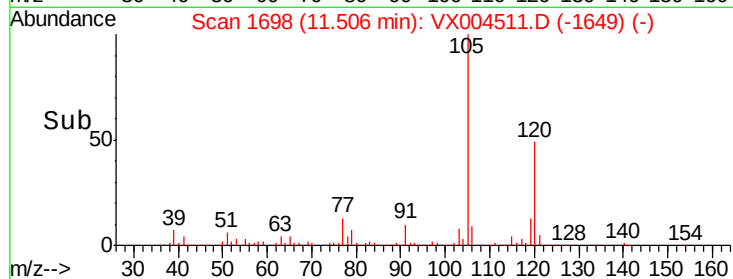
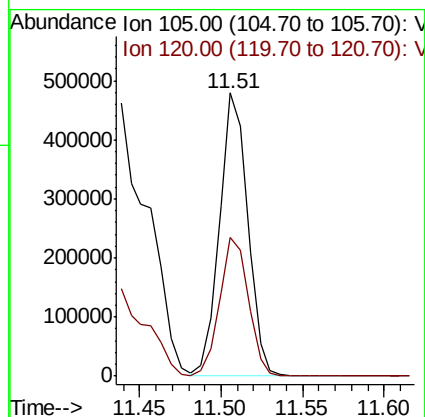
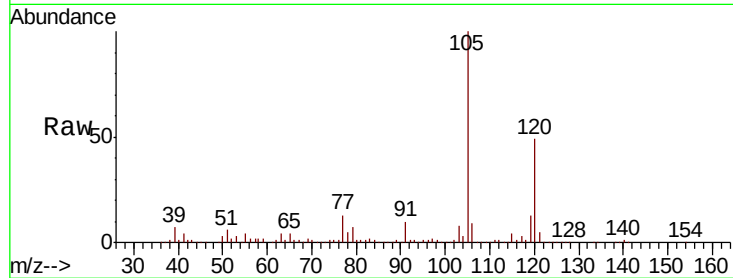




#80
 1,3,5-Trimethylbenzene
 Concen: 52.90 ug/l
 RT: 11.51 min Scan# 1698
 Delta R.T. 0.00 min
 Lab File: VX004511.D
 Acq: 13 Sep 2018 13:00

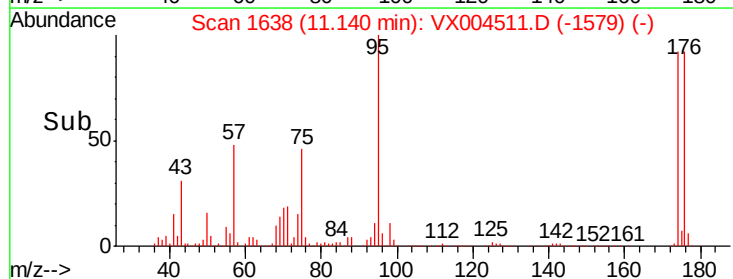
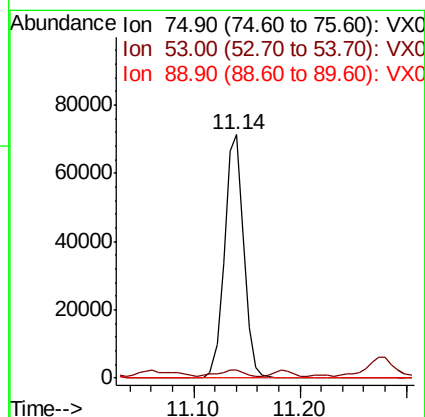
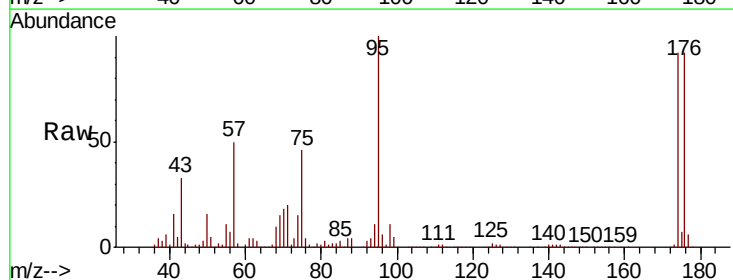
Instrument :
 MSVOA_X
 ClientSampleId :
 EP1-SUT-4USTS-SBDL

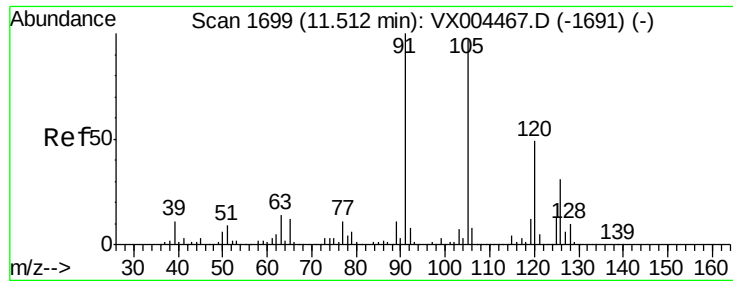
Tot Ion:105 Resp: 578759
 Ion Ratio Lower Upper
 105 100
 120 50.0 25.6 76.8



#81
 trans-1,4-Dichloro-2-butene
 Concen: 72.11 ug/l
 RT: 11.14 min Scan# 1638
 Delta R.T. 0.06 min
 Lab File: VX004511.D
 Acq: 13 Sep 2018 13:00

Tgt Ion: 75 Resp: 89940
 Ion Ratio Lower Upper
 75 100
 53 3.8 80.1 120.1#
 89 0.0 37.2 55.8#





#82

4-Chlorotoluene

Concen: 5.62 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.01 min

Lab File: VX004511.D

Acq: 13 Sep 2018 13:00

Instrument :

MSVOA_X

ClientSampleId :

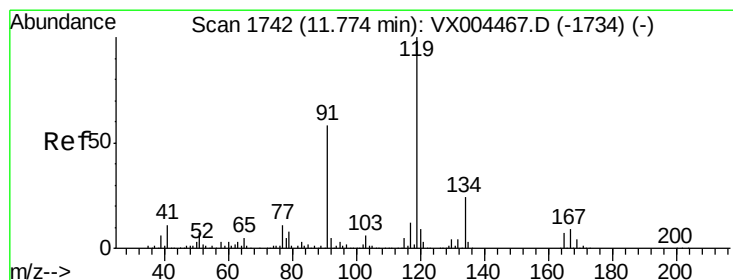
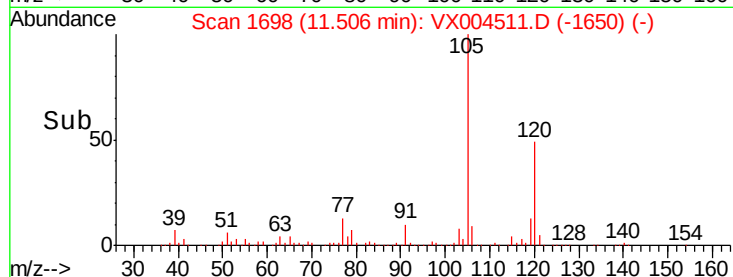
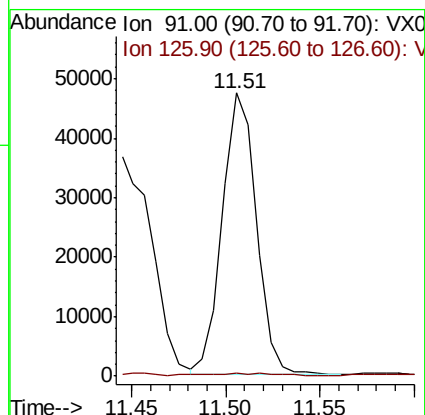
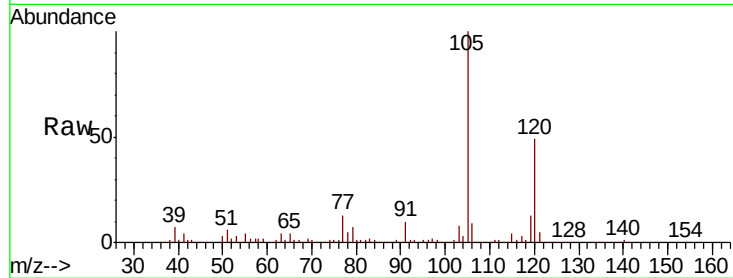
EP1-SUT-4USTS-SBDL

Tot Ion: 91 Resp: 59529

Ion Ratio Lower Upper

91 100

126 1.8 15.5 46.5#



#83

tert-Butylbenzene

Concen: 2.47 ug/l

RT: 11.77 min Scan# 1742

Delta R.T. 0.00 min

Lab File: VX004511.D

Acq: 13 Sep 2018 13:00

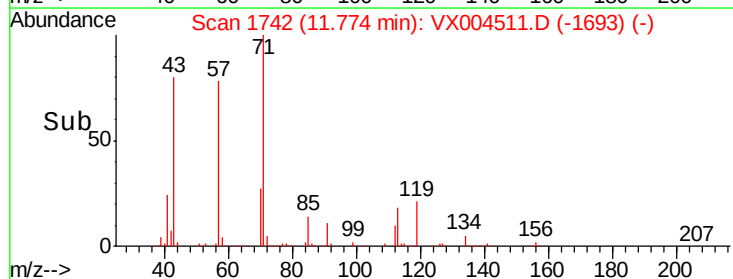
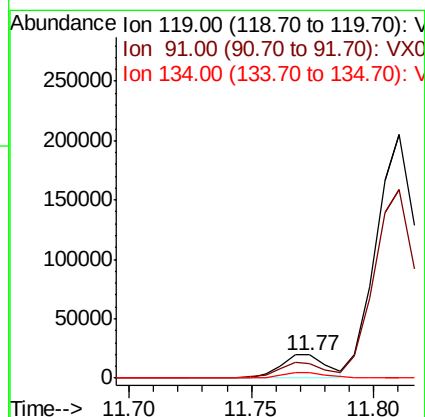
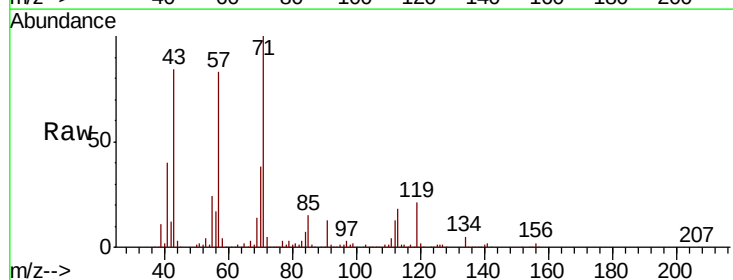
Tgt Ion: 119 Resp: 25747

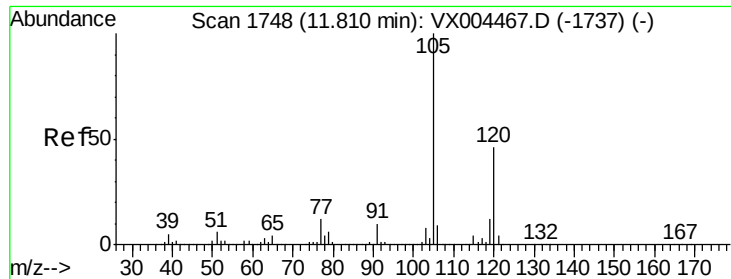
Ion Ratio Lower Upper

119 100

91 67.3 27.0 81.0

134 24.8 11.7 35.1

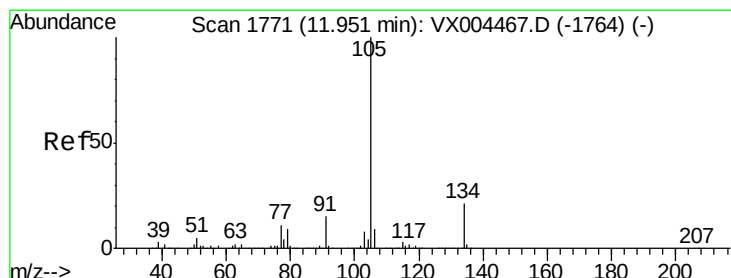
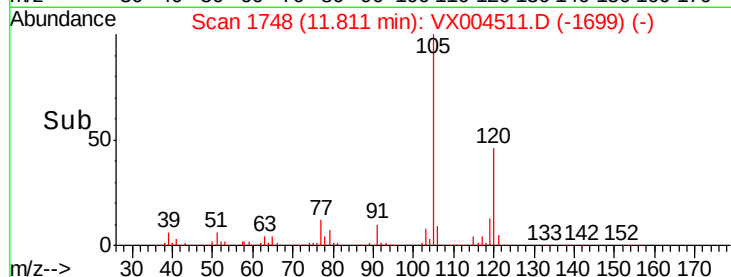
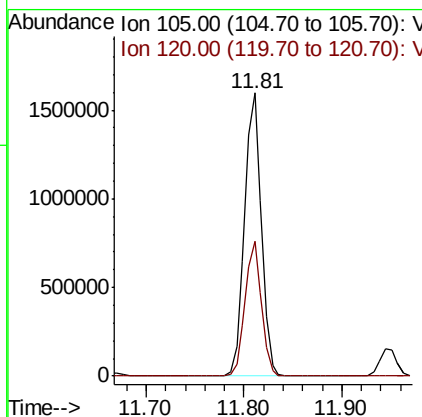
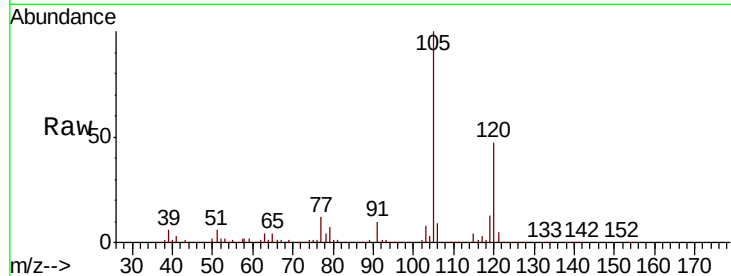




#84
 1,2,4-Trimethylbenzene
 Concen: 170.05 ug/l
 RT: 11.81 min Scan# 1748
 Delta R.T. 0.00 min
 Lab File: VX004511.D
 Acq: 13 Sep 2018 13:00

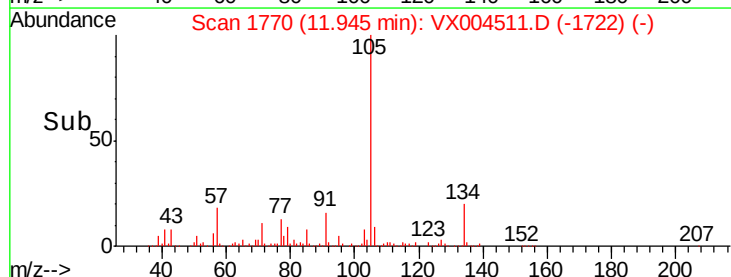
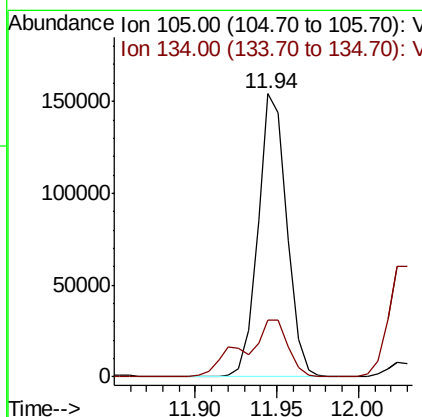
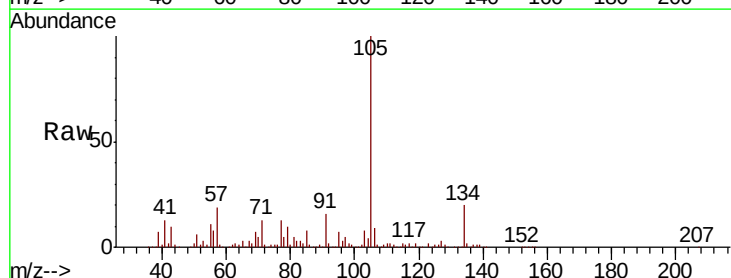
Instrument :
 MSVOA_X
 ClientSampleId :
 EP1-SUT-4USTS-SBDL

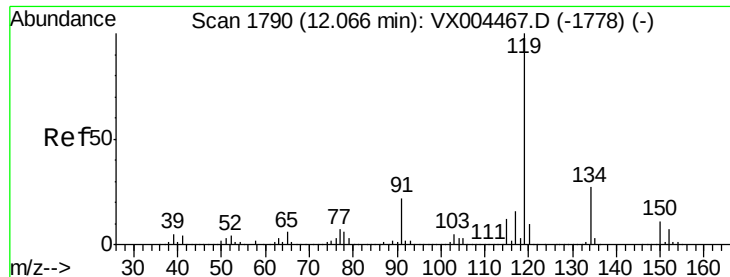
Tot Ion:105 Resp: 1899440
 Ion Ratio Lower Upper
 105 100
 120 46.7 23.2 69.6



#85
 sec-Butylbenzene
 Concen: 14.12 ug/l
 RT: 11.94 min Scan# 1770
 Delta R.T. -0.01 min
 Lab File: VX004511.D
 Acq: 13 Sep 2018 13:00

Tgt Ion:105 Resp: 187418
 Ion Ratio Lower Upper
 105 100
 134 31.3 10.5 31.5

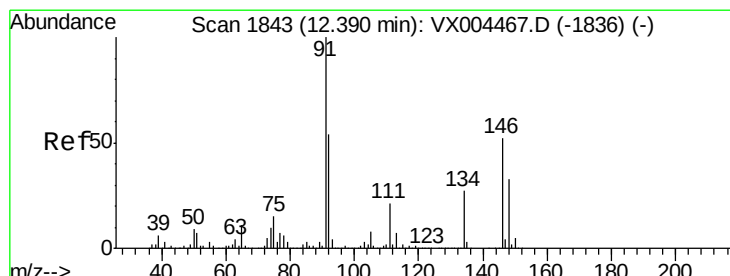
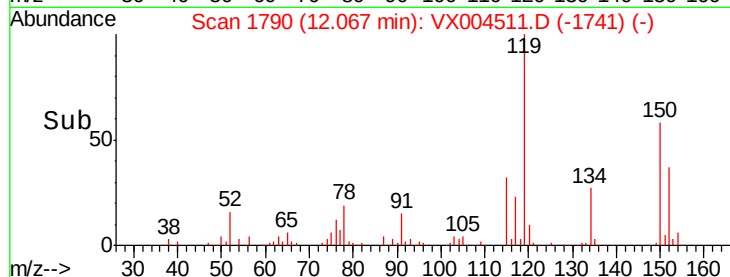
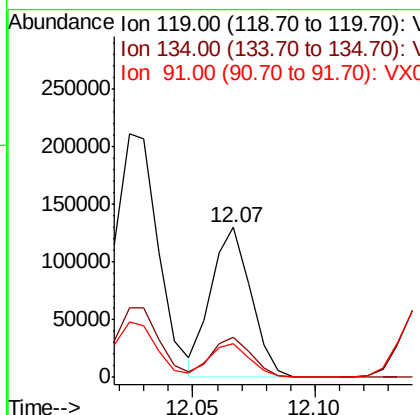
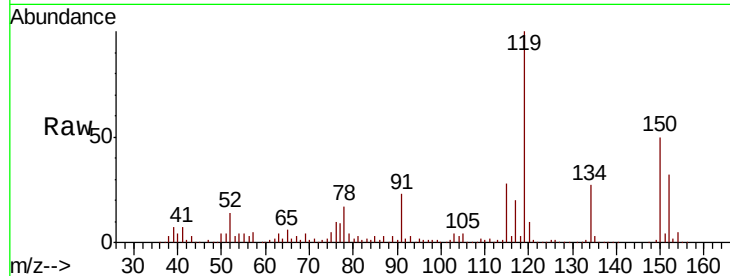




#86
 p-Isopropyltoluene
 Concen: 12.55 ug/l
 RT: 12.07 min Scan# 1790
 Delta R.T. 0.00 min
 Lab File: VX004511.D
 Acq: 13 Sep 2018 13:00

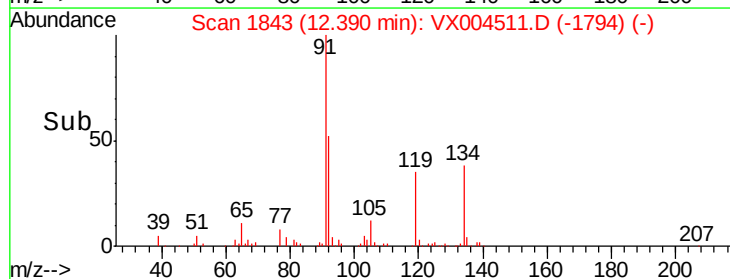
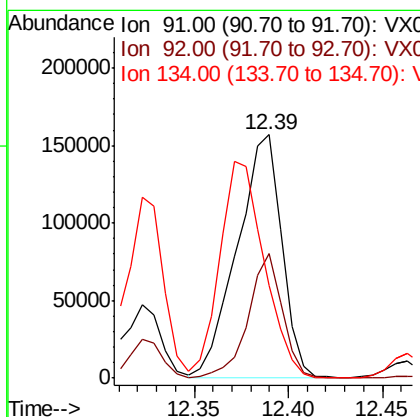
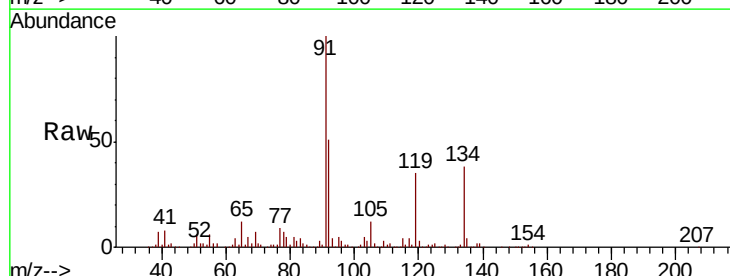
Instrument :
 MSVOA_X
 ClientSampleId :
 EP1-SUT-4USTS-SBDL

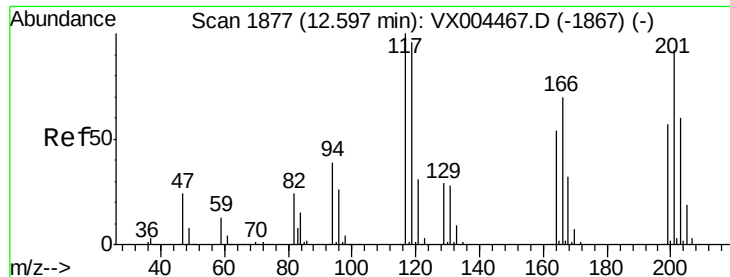
Tot Ion	Ratio	Lower	Upper
119	100		
134	27.1	13.4	40.2
91	22.5	10.9	32.7



#89
 n-Butylbenzene
 Concen: 23.95 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. 0.00 min
 Lab File: VX004511.D
 Acq: 13 Sep 2018 13:00

Tgt Ion	Ratio	Lower	Upper
91	100		
92	39.4	27.3	81.9
134	89.0	13.6	40.7#





#90

Hexachloroethane

Concen: 11.57 ug/l

RT: 12.59 min Scan# 1876

Delta R.T. -0.01 min

Lab File: VX004511.D

Acq: 13 Sep 2018 13:00

Instrument :

MSVOA_X

ClientSampleId :

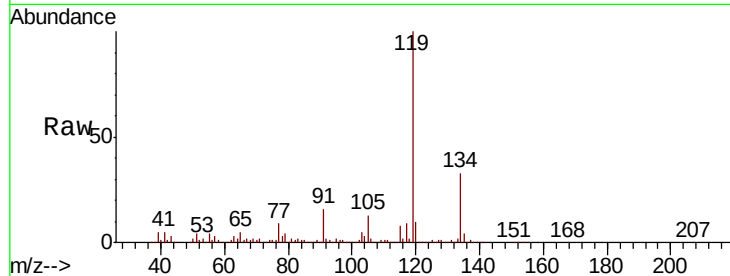
EP1-SUT-4USTS-SBDL

Tot Ion:117 Resp: 21713

Ion Ratio Lower Upper

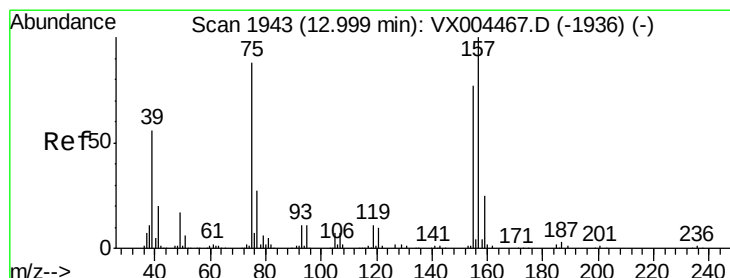
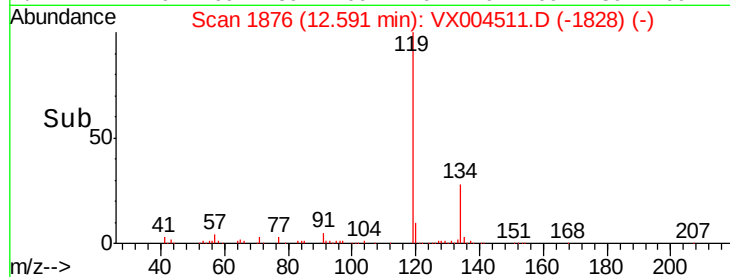
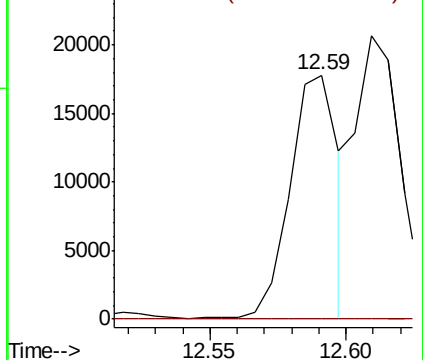
117 100

201 0.0 46.9 140.6#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 1.81 ug/l

RT: 13.02 min Scan# 1946

Delta R.T. 0.02 min

Lab File: VX004511.D

Acq: 13 Sep 2018 13:00

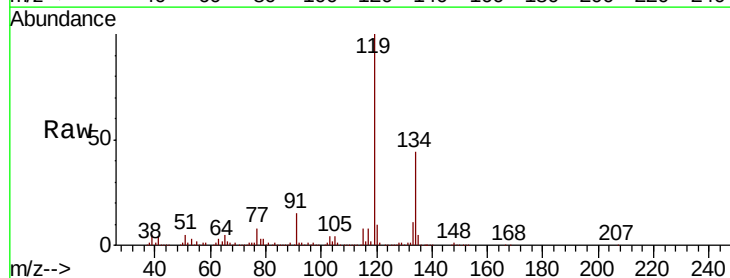
Tgt Ion: 75 Resp: 1621

Ion Ratio Lower Upper

75 100

155 0.0 48.0 144.2#

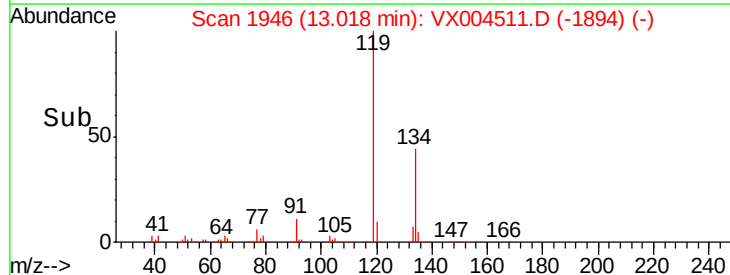
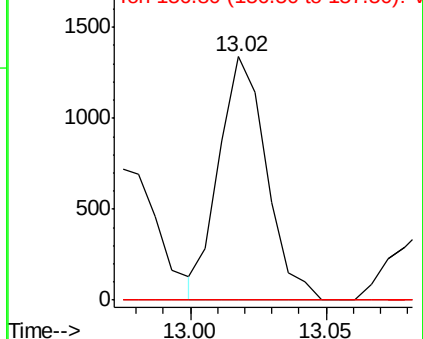
157 0.0 61.4 184.1#

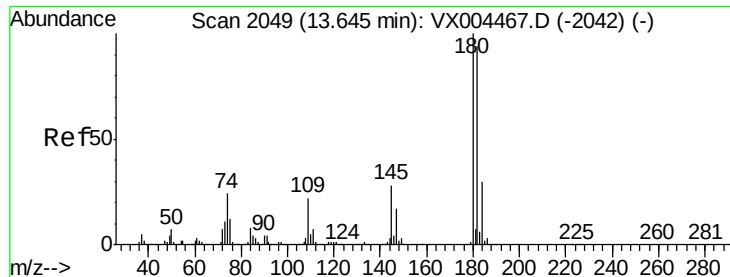


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

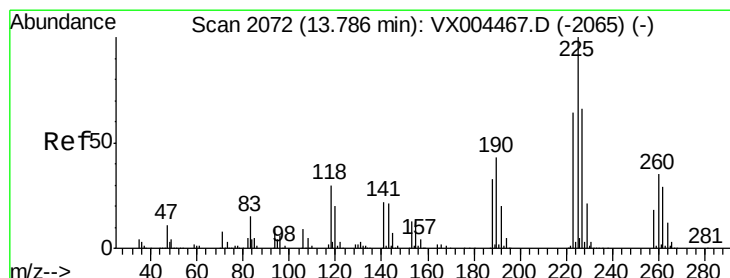
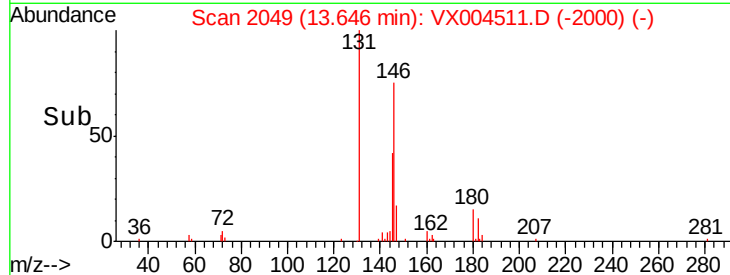
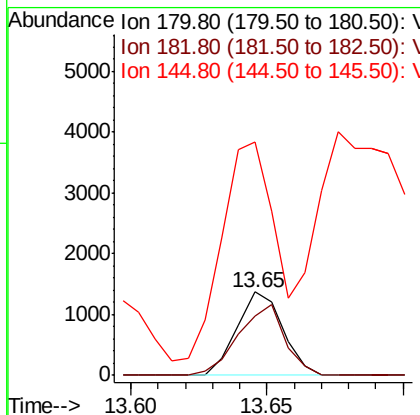
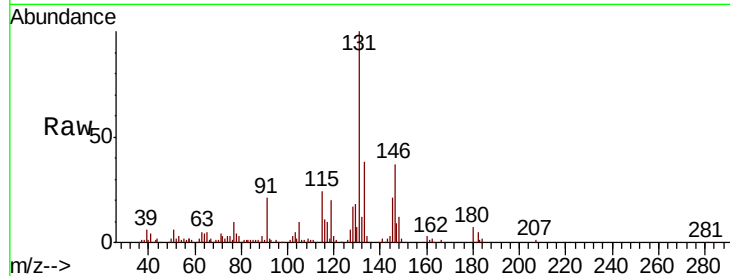




#93
 1,2,4-Trichlorobenzene
 Concen: 0.33 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. 0.00 min
 Lab File: VX004511.D
 Acq: 13 Sep 2018 13:00

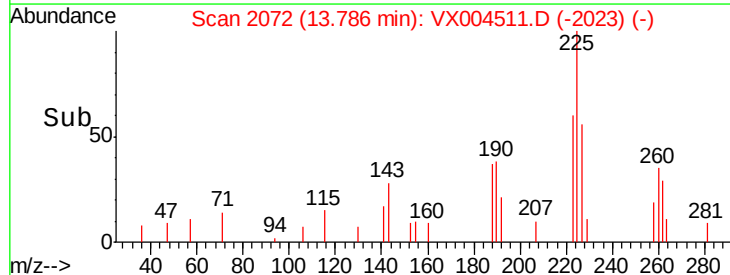
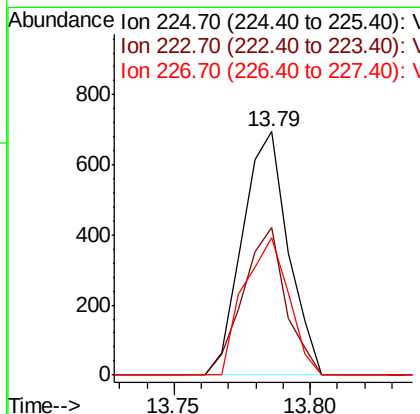
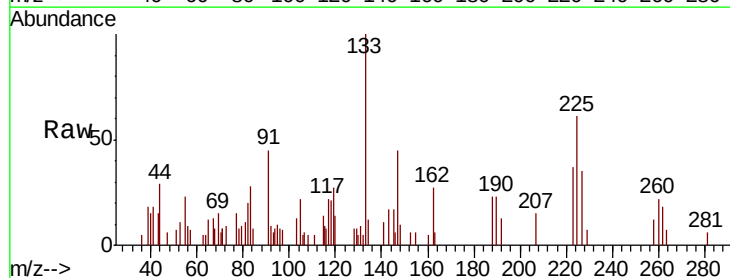
Instrument :
 MSVOA_X
 ClientSampleId :
 EP1-SUT-4USTS-SBDL

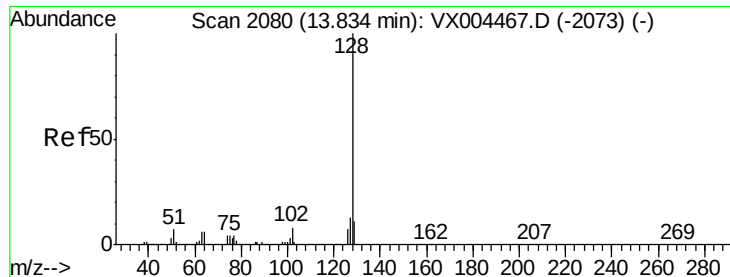
Tot Ion:180 Resp: 1606
 Ion Ratio Lower Upper
 180 100
 182 85.4 48.4 145.0
 145 332.5 14.3 42.9#



#94
 Hexachlorobutadiene
 Concen: 0.32 ug/l
 RT: 13.79 min Scan# 2072
 Delta R.T. 0.00 min
 Lab File: VX004511.D
 Acq: 13 Sep 2018 13:00

Tgt Ion:225 Resp: 808
 Ion Ratio Lower Upper
 225 100
 223 56.9 30.1 90.5
 227 55.6 30.8 92.4





#95

Naphthalene

Concen: 8.89 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. 0.00 min

Lab File: VX004511.D

Acq: 13 Sep 2018 13:00

Instrument :

MSVOA_X

ClientSampleId :

EP1-SUT-4USTS-SBDL

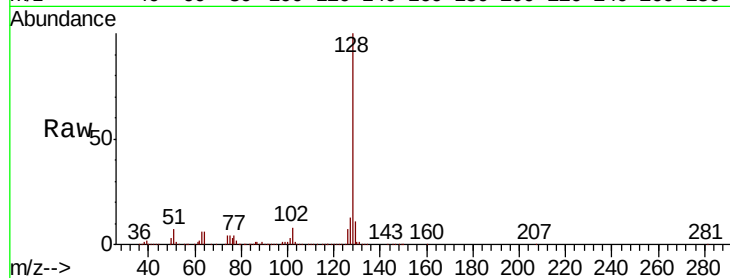
Tot Ion:128 Resp: 119899

Ion Ratio Lower Upper

128 100

127 13.0 10.2 15.2

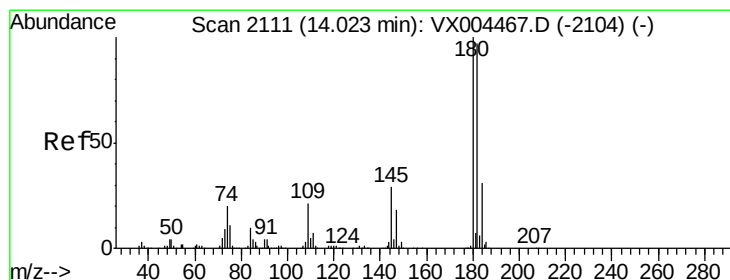
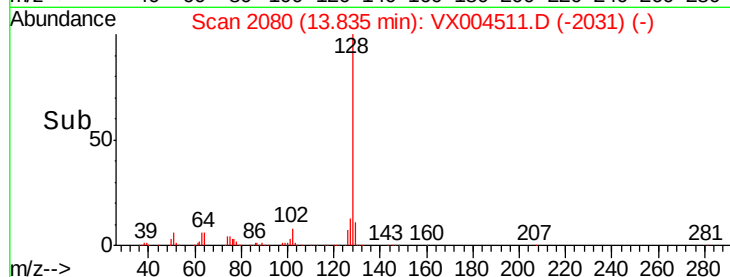
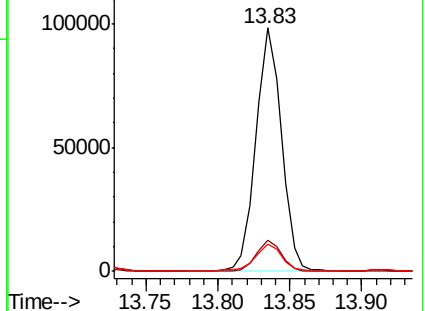
129 11.6 8.6 12.8



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 0.25 ug/l

RT: 14.02 min Scan# 2110

Delta R.T. -0.01 min

Lab File: VX004511.D

Acq: 13 Sep 2018 13:00

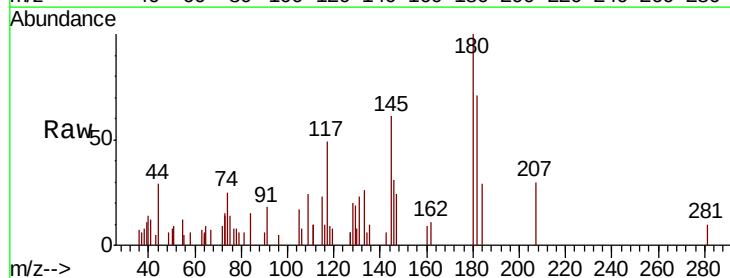
Tgt Ion:180 Resp: 1217

Ion Ratio Lower Upper

180 100

182 92.9 48.5 145.6

145 125.3 14.9 44.9#



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

