

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX100918\
 Data File : VX005161.D
 Acq On : 09 Oct 2018 16:14
 Operator : JC/MD
 Sample : J5150-02ME
 Misc : 3.97g/5mL/100uL/5.0mL/MSVOA_X/MEOH
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 SSSI-0926-S-10BME

Quant Time: Oct 10 05:53:01 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X092618W.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 03 04:00:03 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	185483	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	297154	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	295992	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	173216	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.07	65	142724	53.87	ug/l	0.00
Spiked Amount			Recovery	=	107.74%	
35) Dibromofluoromethane	5.51	113	116696	46.34	ug/l	0.00
Spiked Amount			Recovery	=	92.68%	
50) Toluene-d8	8.71	98	437272	52.23	ug/l	0.00
Spiked Amount			Recovery	=	104.46%	
62) 4-Bromofluorobenzene	11.14	95	157701	52.28	ug/l	0.00
Spiked Amount			Recovery	=	104.56%	

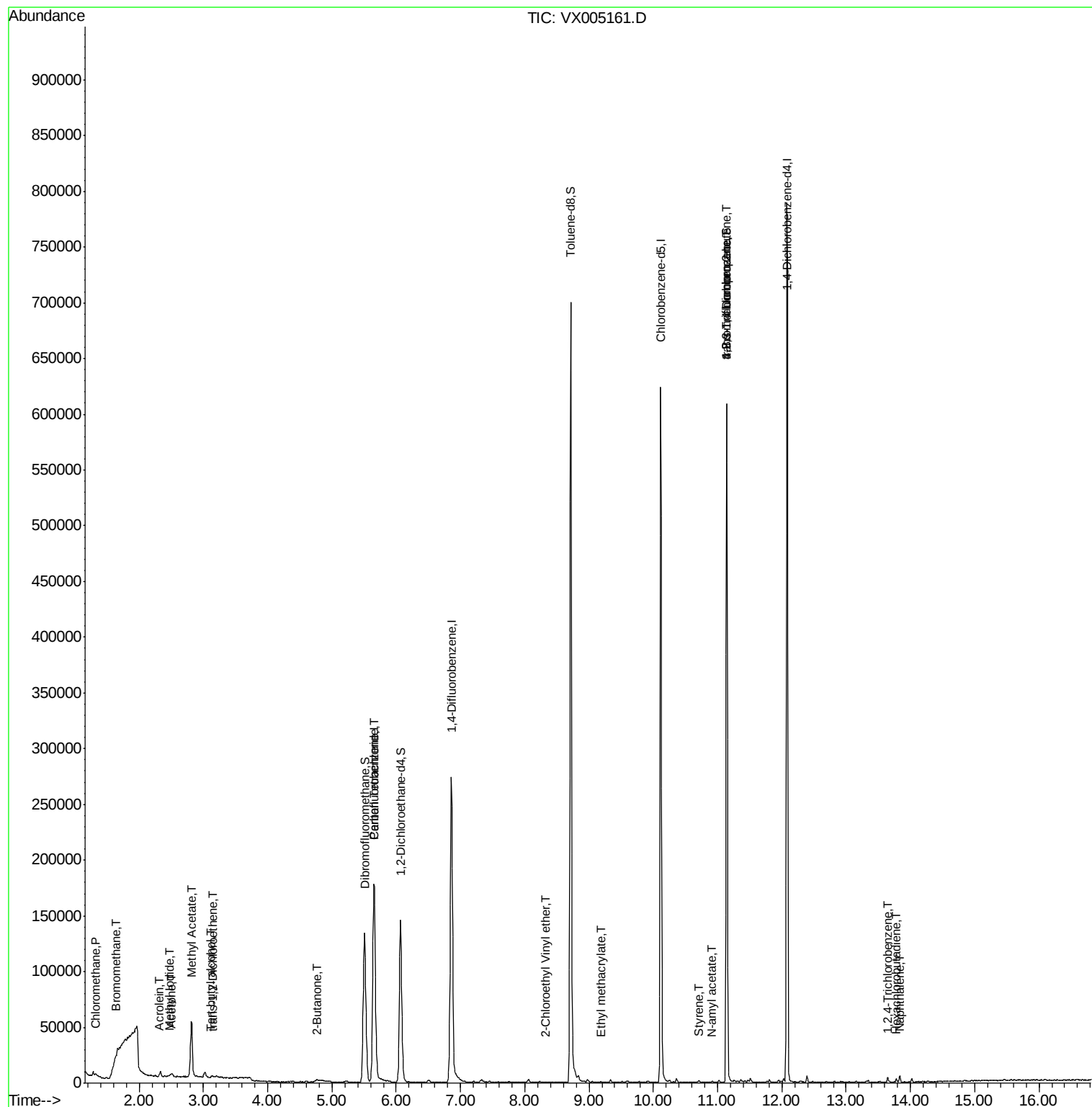
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.33	50	823	0.268	ug/l	94
5) Bromomethane	1.64	94	1429	0.837	ug/l	96
6) Chloroethane	1.71	64	251	Below Cal	#	45
10) Methyl Iodide	2.47	142	1493	0.550	ug/l #	79
11) Tert butyl alcohol	3.12	59	170	0.229	ug/l #	72
13) Acrolein	2.31	56	356	0.675	ug/l #	22
16) Acetone	2.50	43	2594	1.677	ug/l	93
18) Methyl Acetate	2.81	43	19095	4.872	ug/l #	71
20) Methylene Chloride	2.84	84	981	Below Cal		96
21) trans-1,2-Dichloroethene	3.14	96	565	0.257	ug/l #	82
25) 2-Butanone	4.76	43	5099	2.236	ug/l	92
38) Carbon Tetrachloride	5.65	117	16361	4.530	ug/l #	17
56) Ethyl methacrylate	9.18	69	42	2.872	ug/l #	1
58) 2-Chloroethyl Vinyl ether	8.32	63	286	14.363	ug/l #	49
70) Styrene	10.72	104	428	2.191	ug/l	91
74) N-amyl acetate	10.91	43	398	1.812	ug/l #	77
76) 1,2,3-Trichloropropane	11.14	75	78131	20.124	ug/l #	35
80) 1,3,5-Trimethylbenzene	11.51	105	766	Below Cal		100
81) trans-1,4-Dichloro-2-buten	11.14	75	78131	54.693	ug/l #	10
84) 1,2,4-Trimethylbenzene	11.80	105	777	Below Cal		95
93) 1,2,4-Trichlorobenzene	13.65	180	1124	0.259	ug/l	98
94) Hexachlorobutadiene	13.79	225	472	0.210	ug/l	93
95) Naphthalene	13.83	128	3350	0.949	ug/l	96

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

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ClientSampleId :
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Quant Time: Oct 10 05:53:01 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X092618W.M
Quant Title : SW846 8260
QLast Update : Wed Oct 03 04:00:03 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 738

Delta R.T. -0.01 min

Lab File: VX005161.D

Acq: 09 Oct 2018 16:14

Instrument :

MSVOA_X

ClientSampleId :

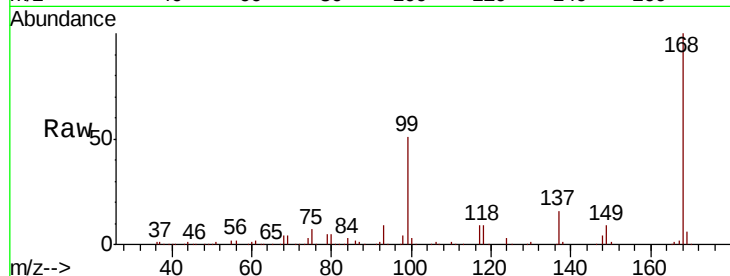
SSSI-0926-S-10BME

Tot Ion:168 Resp: 185483

Ion Ratio Lower Upper

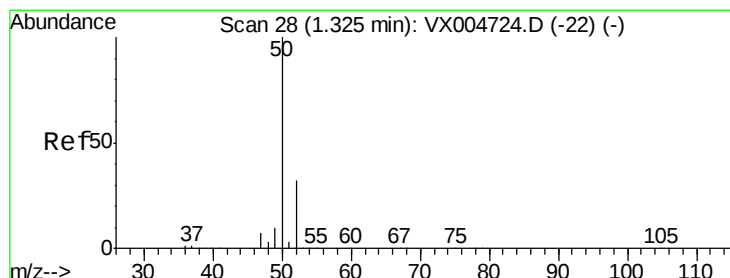
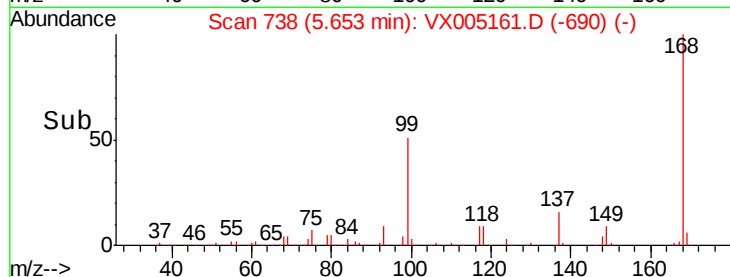
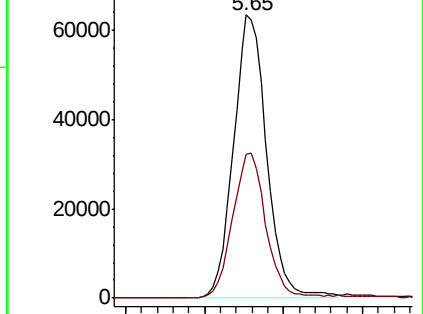
168 100

99 50.9 39.3 58.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#3

Chloromethane

Concen: 0.268 ug/l

RT: 1.33 min Scan# 29

Delta R.T. 0.01 min

Lab File: VX005161.D

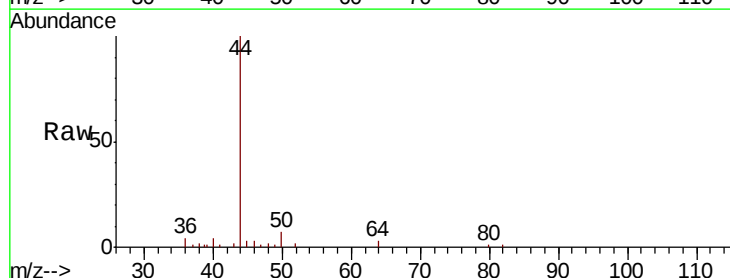
Acq: 09 Oct 2018 16:14

Tgt Ion: 50 Resp: 823

Ion Ratio Lower Upper

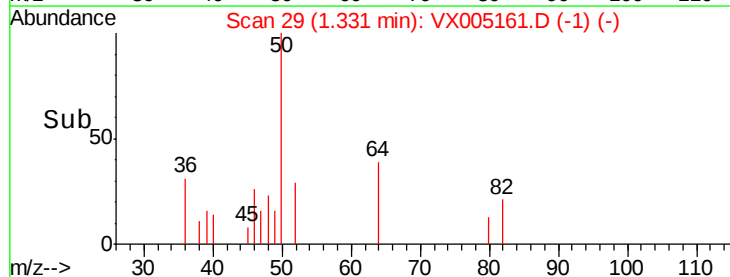
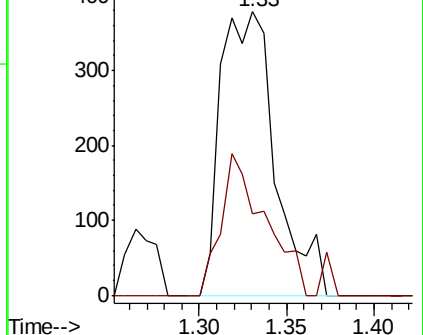
50 100

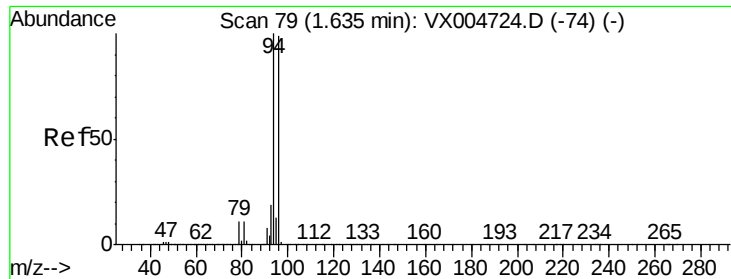
52 28.6 25.8 38.6



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0





#5

Bromomethane

Concen: 0.837 ug/l

RT: 1.64 min Scan# 79

Delta R.T. -0.00 min

Lab File: VX005161.D

Acq: 09 Oct 2018 16:14

Instrument :

MSVOA_X

ClientSampleId :

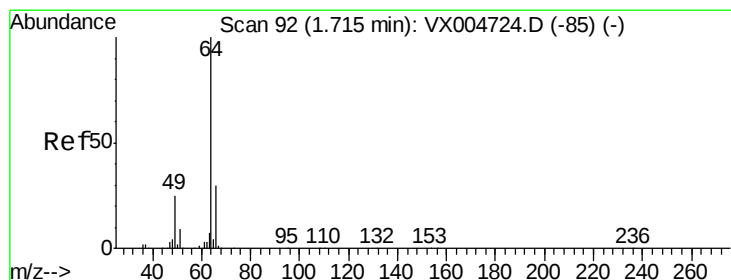
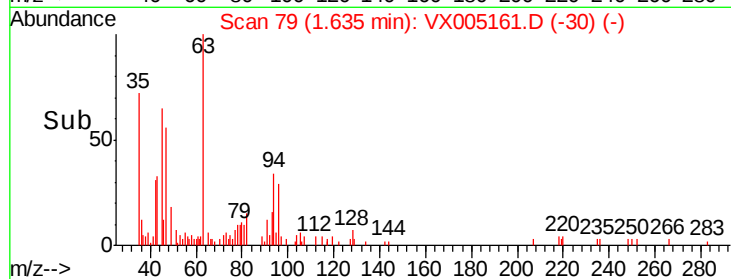
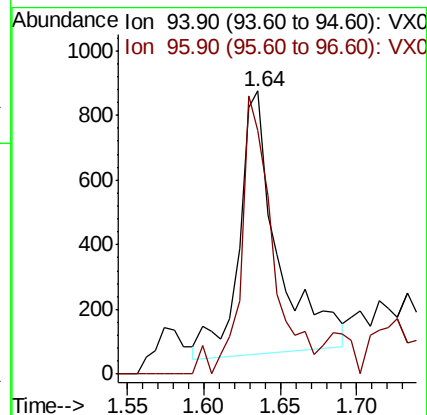
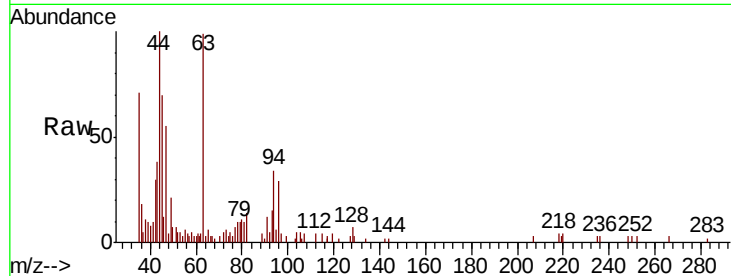
SSSI-0926-S-10BME

Tot Ion: 94 Resp: 1429

Ion Ratio Lower Upper

94 100

96 95.1 79.5 119.3



#6

Chloroethane

Concen: Below Cal

RT: 1.71 min Scan# 92

Delta R.T. -0.00 min

Lab File: VX005161.D

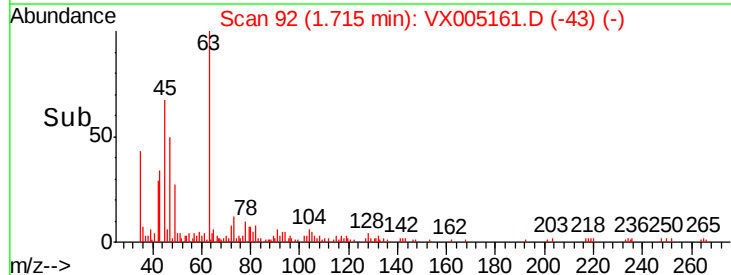
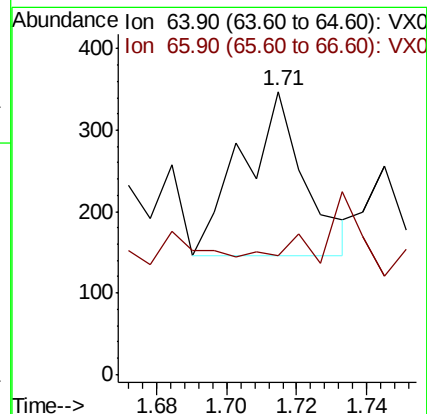
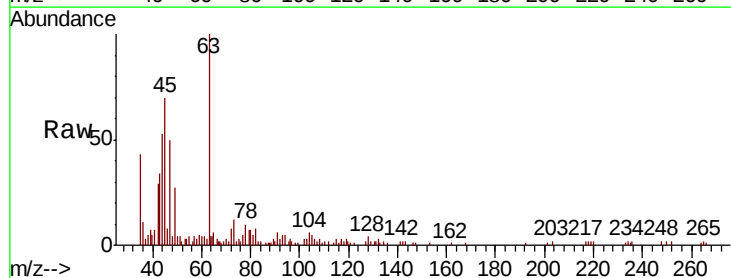
Acq: 09 Oct 2018 16:14

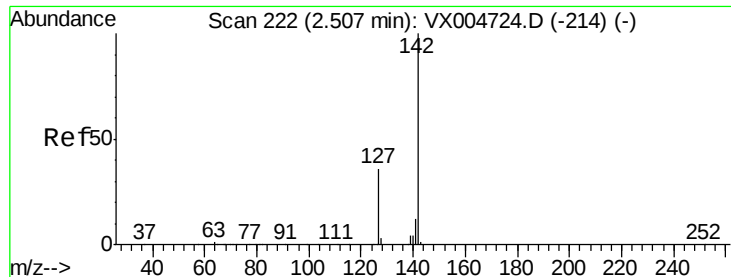
Tgt Ion: 64 Resp: 251

Ion Ratio Lower Upper

64 100

66 0.0 23.8 35.6#





#10

Methvl Iodide

Concen: 0.550 ug/l

RT: 2.47 min Scan# 216

Delta R.T. -0.04 min

Lab File: VX005161.D

Acq: 09 Oct 2018 16:14

Instrument :

MSVOA_X

ClientSampleId :

SSSI-0926-S-10BME

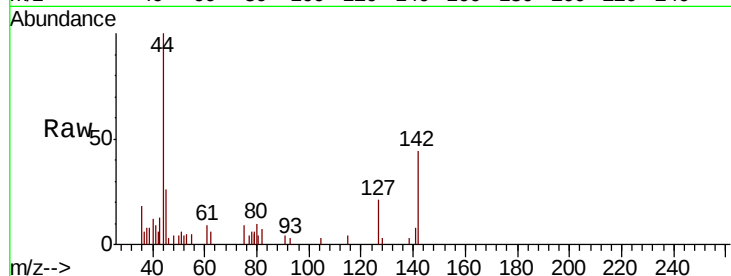
Tot Ion:142 Resp: 1493

Ion Ratio Lower Upper

142 100

127 50.9 30.1 45.1#

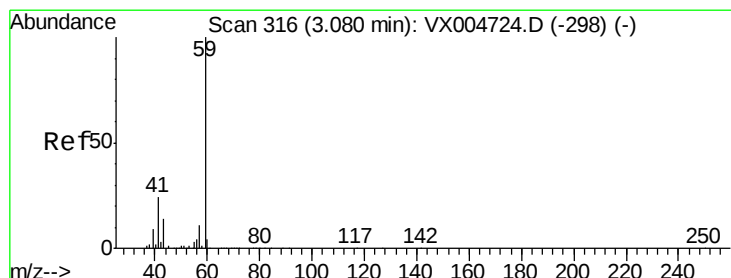
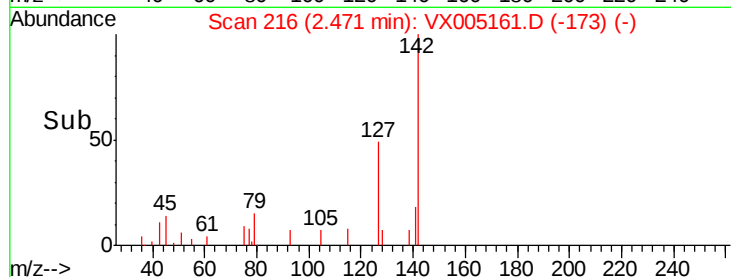
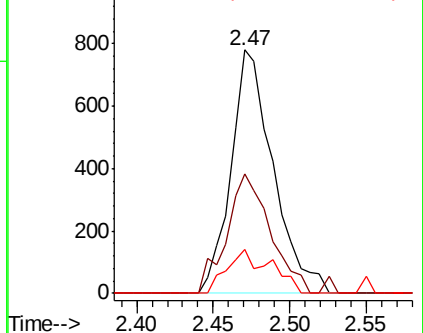
141 18.8 10.1 15.1#



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



#11

Tert butyl alcohol

Concen: 0.229 ug/l

RT: 3.12 min Scan# 323

Delta R.T. 0.04 min

Lab File: VX005161.D

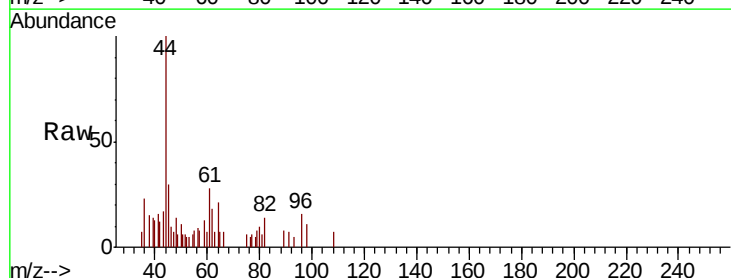
Acq: 09 Oct 2018 16:14

Tgt Ion: 59 Resp: 170

Ion Ratio Lower Upper

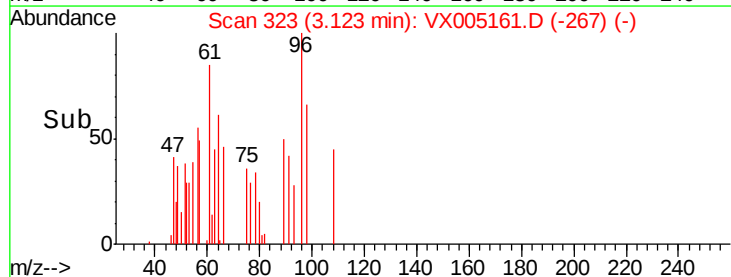
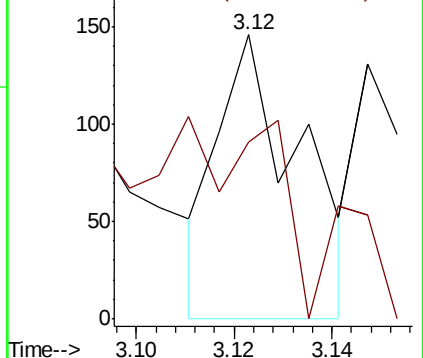
59 100

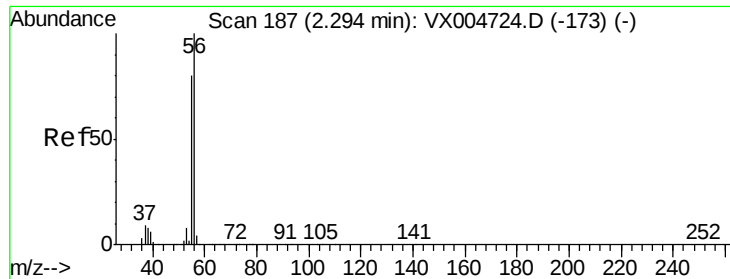
57 0.0 8.6 12.8#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0





#13

Acrolein

Concen: 0.675 ug/l

RT: 2.31 min Scan# 189

Delta R.T. 0.01 min

Lab File: VX005161.D

Acq: 09 Oct 2018 16:14

Instrument :

MSVOA_X

ClientSampleId :

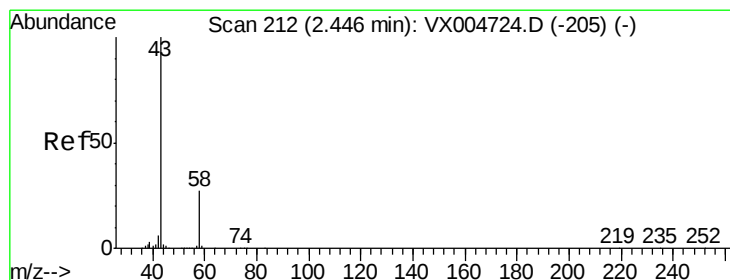
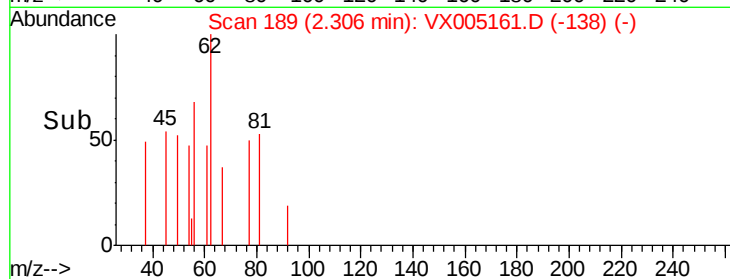
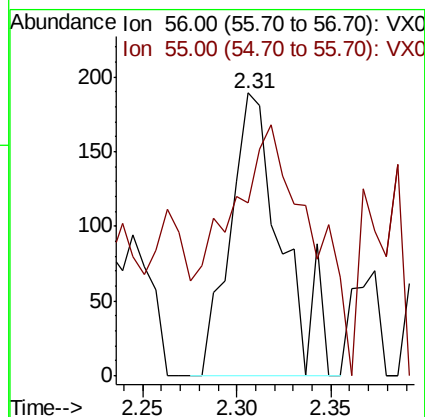
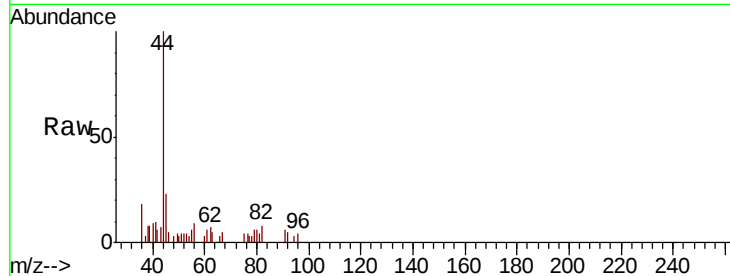
SSSI-0926-S-10BME

Tot Ion: 56 Resp: 356

Ion Ratio Lower Upper

56 100

55 147.8 63.4 95.2#



#16

Acetone

Concen: 1.677 ug/l

RT: 2.50 min Scan# 221

Delta R.T. 0.05 min

Lab File: VX005161.D

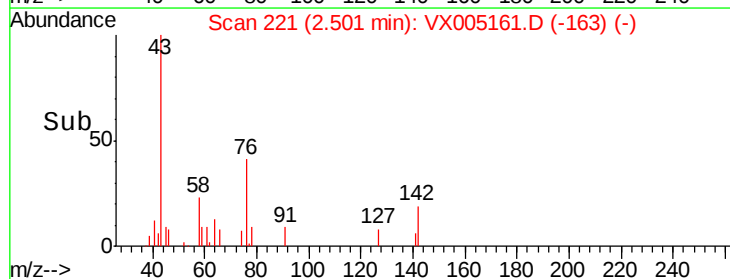
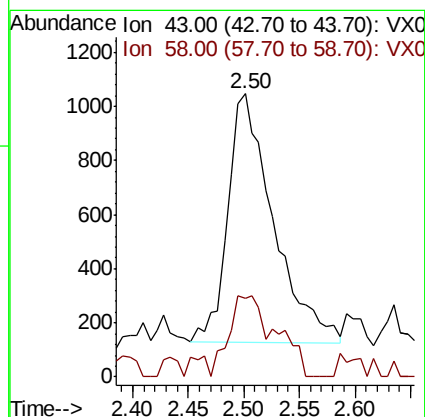
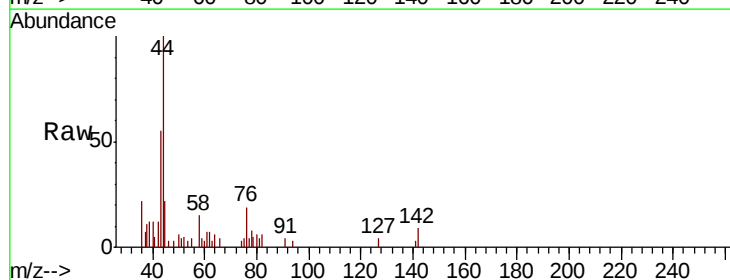
Acq: 09 Oct 2018 16:14

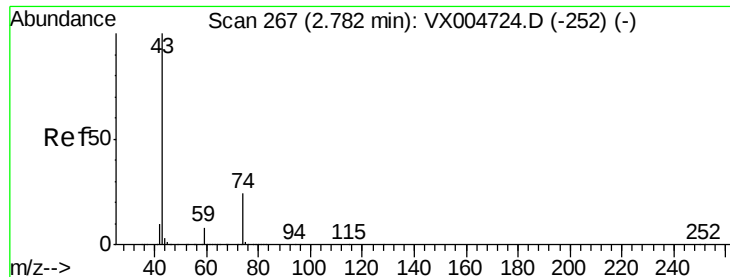
Tgt Ion: 43 Resp: 2594

Ion Ratio Lower Upper

43 100

58 23.6 21.8 32.6

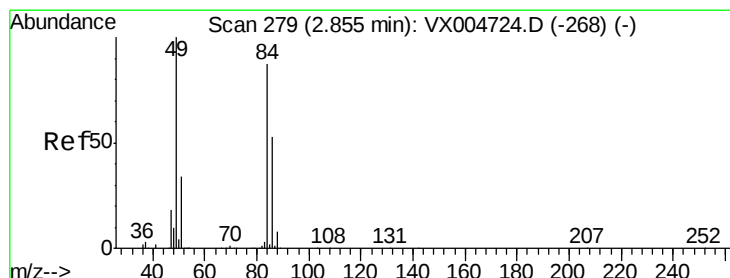
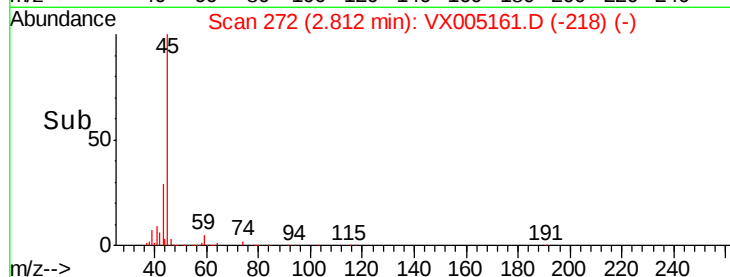
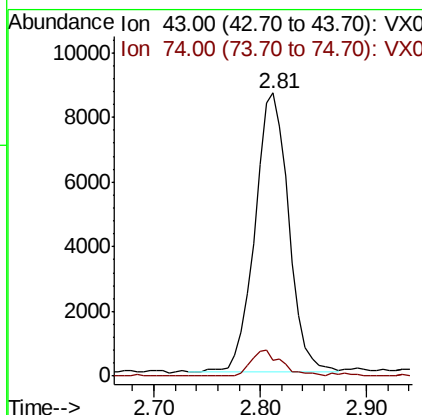
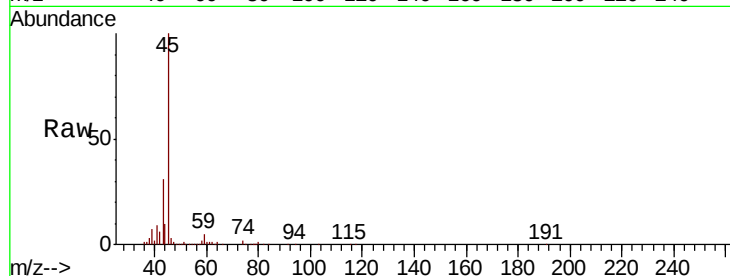




#18
Methyl Acetate
Concen: 4.872 ug/l
RT: 2.81 min Scan# 272
Delta R.T. 0.03 min
Lab File: VX005161.D
Acq: 09 Oct 2018 16:14

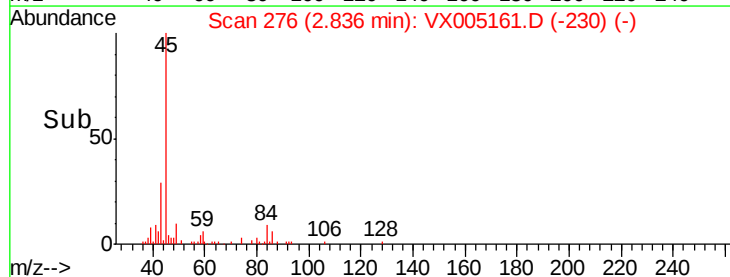
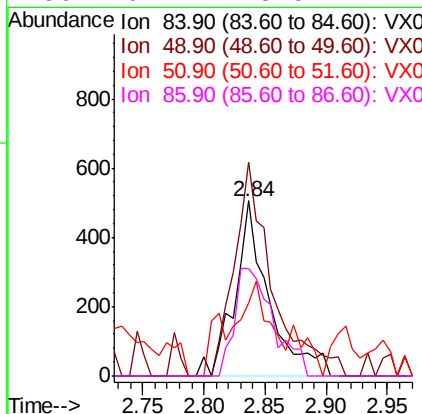
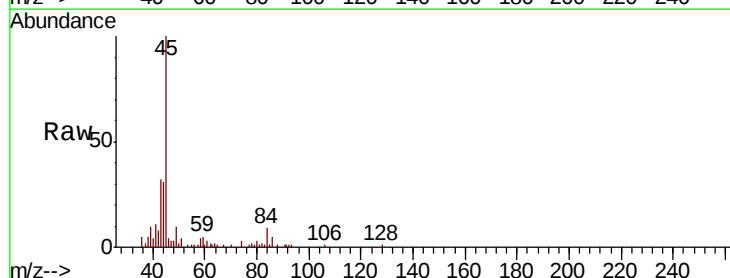
Instrument :
MSVOA_X
ClientSampleId :
SSSI-0926-S-10BME

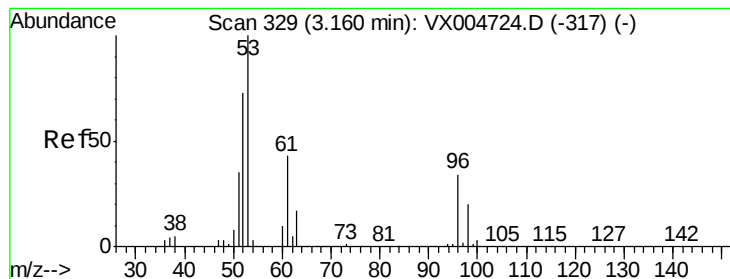
Tot Ion: 43 Resp: 19095
Ion Ratio Lower Upper
43 100
74 8.6 17.8 26.8#



#20
Methylene Chloride
Concen: Below Cal
RT: 2.84 min Scan# 276
Delta R.T. -0.02 min
Lab File: VX005161.D
Acq: 09 Oct 2018 16:14

Tgt Ion: 84 Resp: 981
Ion Ratio Lower Upper
84 100
49 121.9 92.3 138.5
51 41.9 31.8 47.6
86 61.7 48.5 72.7





#21

trans-1,2-Dichloroethene

Concen: 0.257 ug/l

RT: 3.14 min Scan# 325

Delta R.T. -0.02 min

Lab File: VX005161.D

Acq: 09 Oct 2018 16:14

Instrument :

MSVOA_X

ClientSampleId :

SSSI-0926-S-10BME

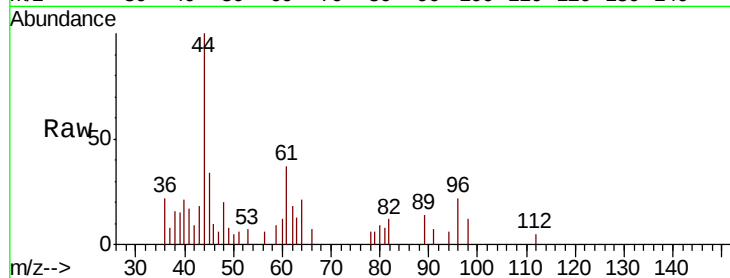
Tot Ion: 96 Resp: 565

Ion Ratio Lower Upper

96 100

61 99.2 101.0 151.6#

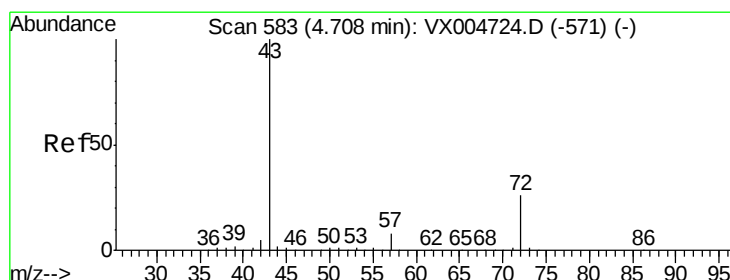
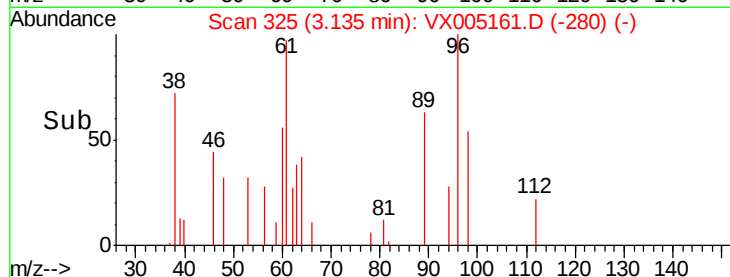
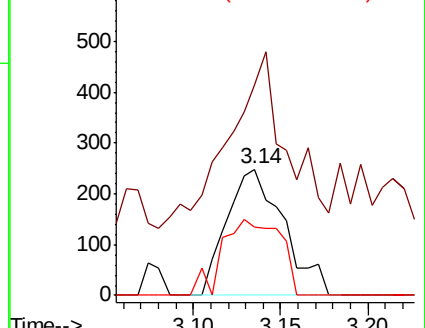
98 54.2 47.2 70.8



Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



#25

2-Butanone

Concen: 2.236 ug/l

RT: 4.76 min Scan# 592

Delta R.T. 0.05 min

Lab File: VX005161.D

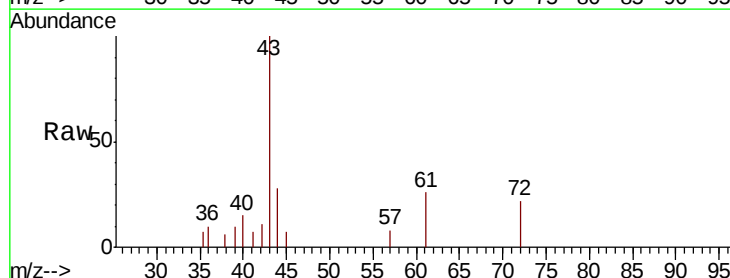
Acq: 09 Oct 2018 16:14

Tgt Ion: 43 Resp: 5099

Ion Ratio Lower Upper

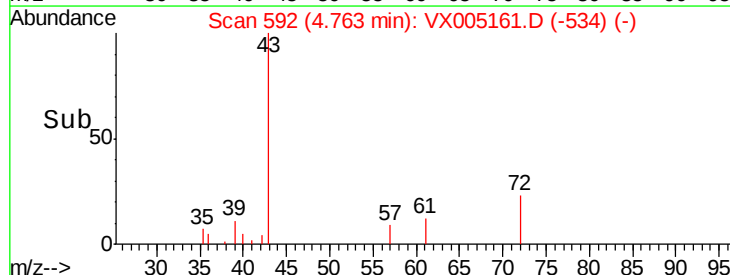
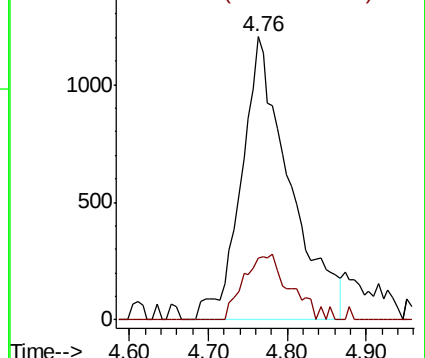
43 100

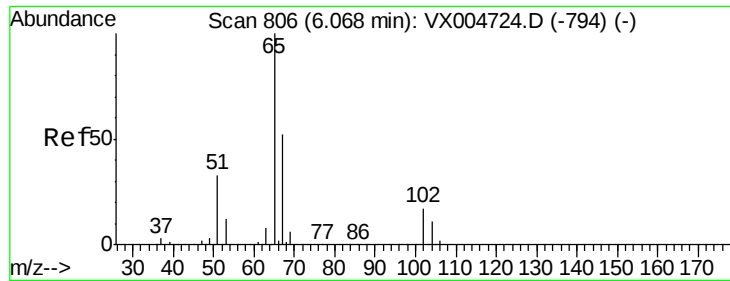
72 21.7 20.8 31.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0





#33

1,2-Dichloroethane-d4

Concen: 53.866 ug/l

RT: 6.07 min Scan# 806

Delta R.T. -0.00 min

Lab File: VX005161.D

Acq: 09 Oct 2018 16:14

Instrument :

MSVOA_X

ClientSampleId :

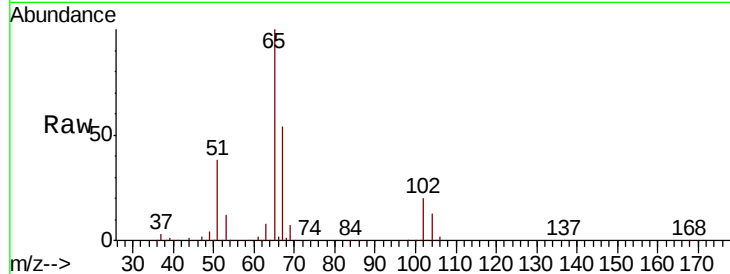
SSSI-0926-S-10BME

Tot Ion: 65 Resp: 142724

Ion Ratio Lower Upper

65 100

67 52.9 0.0 107.4



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

6.07

60000

50000

40000

30000

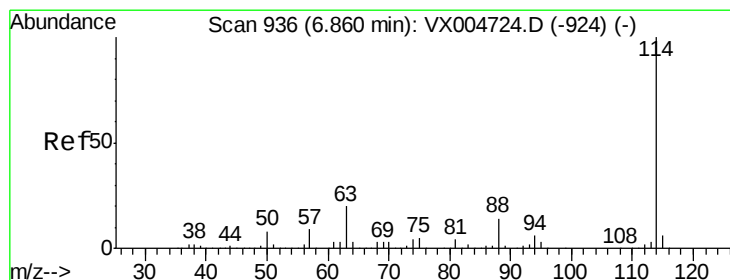
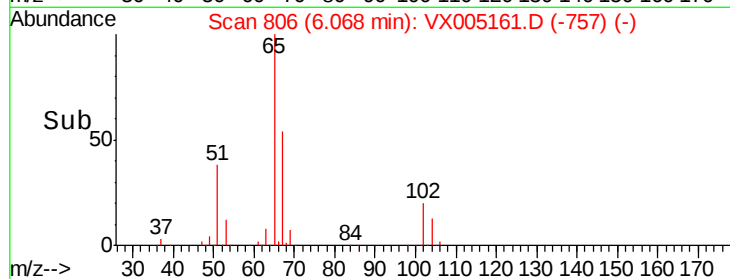
20000

10000

0

Time-->

5.90 6.00 6.10 6.20 6.30



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. -0.00 min

Lab File: VX005161.D

Acq: 09 Oct 2018 16:14

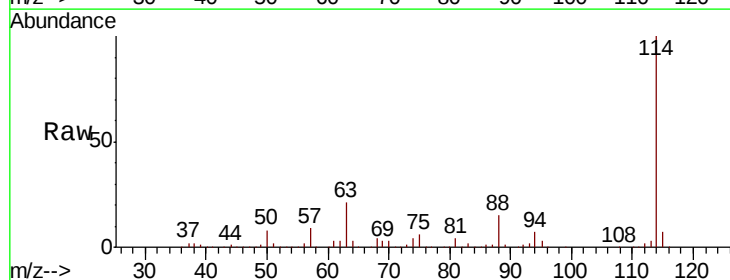
Tgt Ion: 114 Resp: 297154

Ion Ratio Lower Upper

114 100

63 21.2 0.0 39.8

88 15.2 0.0 27.0



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

150000

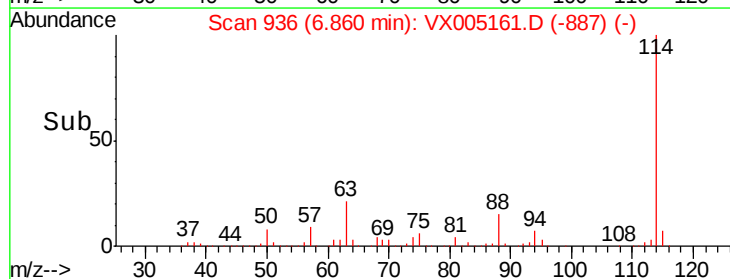
100000

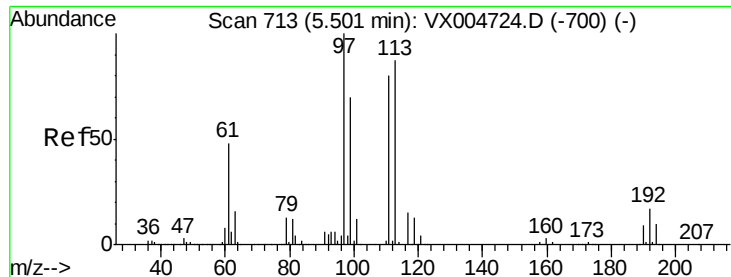
50000

0

Time-->

6.70 6.80 6.90 7.00

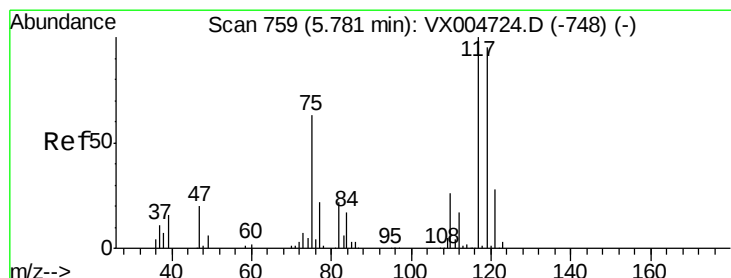
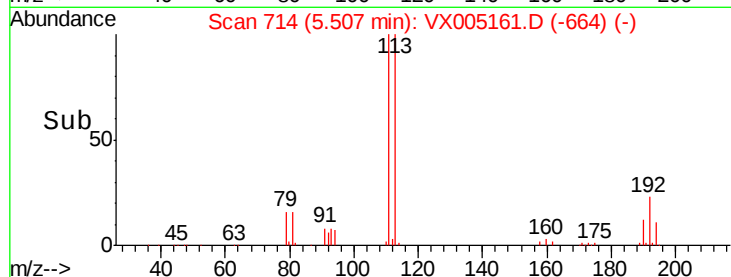
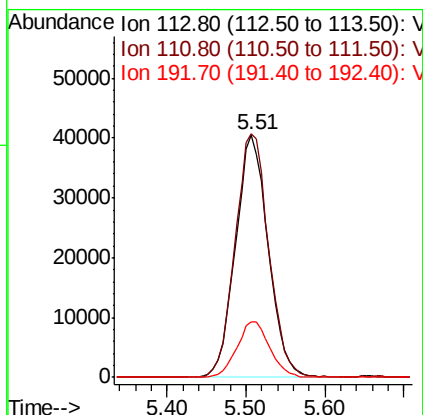
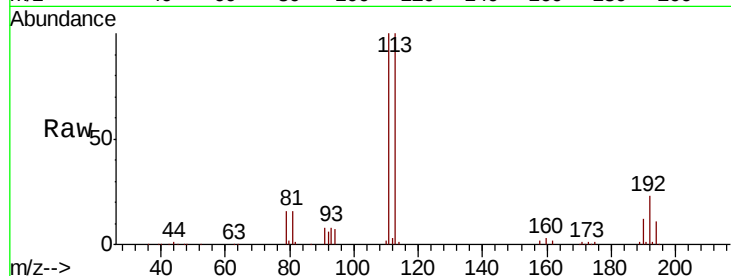




#35
 Dibromofluoromethane
 Concen: 46.337 ug/l
 RT: 5.51 min Scan# 714
 Delta R.T. 0.01 min
 Lab File: VX005161.D
 Acq: 09 Oct 2018 16:14

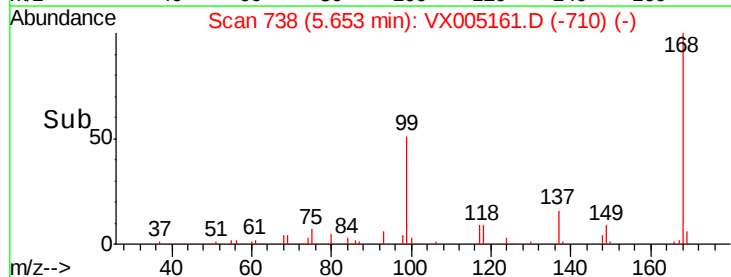
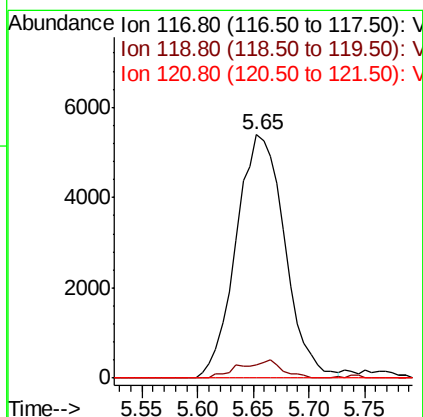
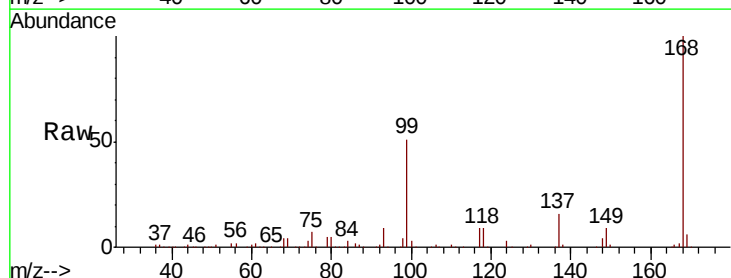
Instrument :
 MSVOA_X
 ClientSampleId :
 SSSI-0926-S-10BME

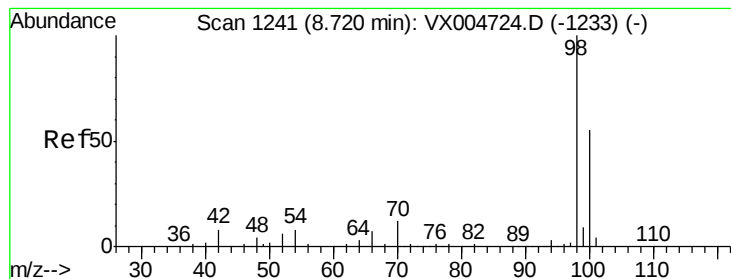
Tot Ion:113 Resp: 116696
 Ion Ratio Lower Upper
 113 100
 111 103.2 77.0 115.4
 192 23.3 17.0 25.6



#38
 Carbon Tetrachloride
 Concen: 4.530 ug/l
 RT: 5.65 min Scan# 738
 Delta R.T. -0.13 min
 Lab File: VX005161.D
 Acq: 09 Oct 2018 16:14

Tgt Ion:117 Resp: 16361
 Ion Ratio Lower Upper
 117 100
 119 5.7 75.2 112.8#
 121 0.0 22.5 33.7#





#50

Toluene-d8

Concen: 52.227 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.01 min

Lab File: VX005161.D

Acq: 09 Oct 2018 16:14

Instrument :

MSVOA_X

ClientSampleId :

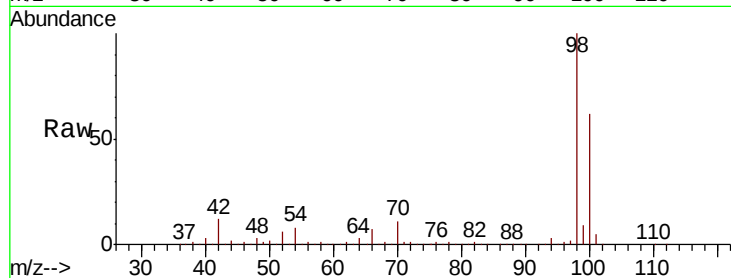
SSSI-0926-S-10BME

Tot Ion: 98 Resp: 437272

Ion Ratio Lower Upper

98 100

100 63.6 51.9 77.9



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX

8.71

300000

250000

200000

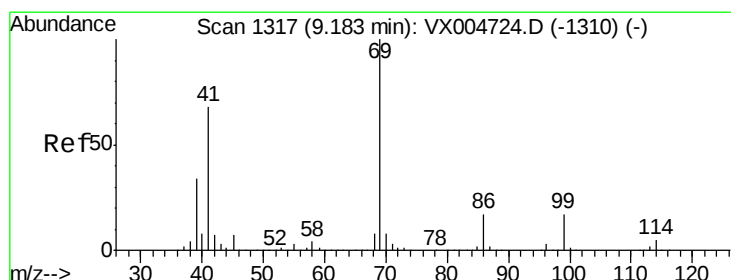
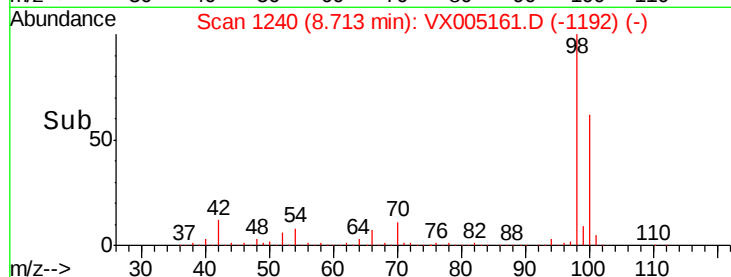
150000

100000

50000

0

Time-->



#56

Ethyl methacrylate

Concen: 2.872 ug/l

RT: 9.18 min Scan# 1317

Delta R.T. -0.00 min

Lab File: VX005161.D

Acq: 09 Oct 2018 16:14

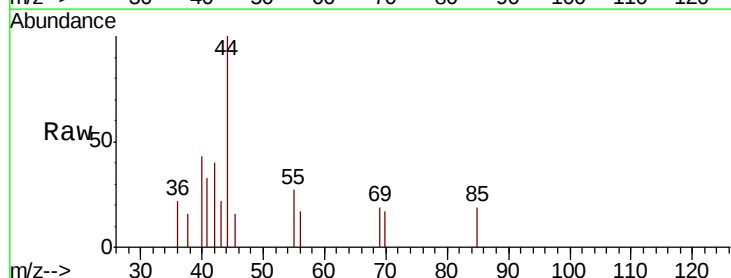
Tgt Ion: 69 Resp: 42

Ion Ratio Lower Upper

69 100

41 833.3 56.9 85.3#

39 126.2 28.4 42.6#



Abundance Ion 69.00 (68.70 to 69.70): VX0

Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

200

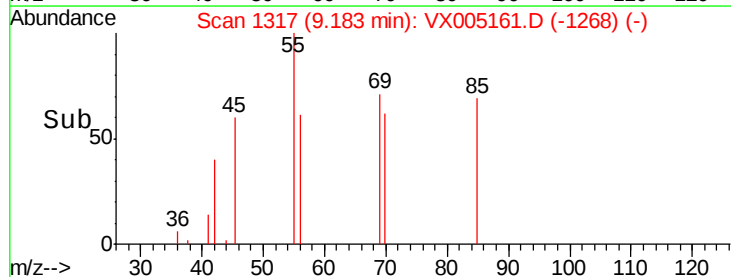
150

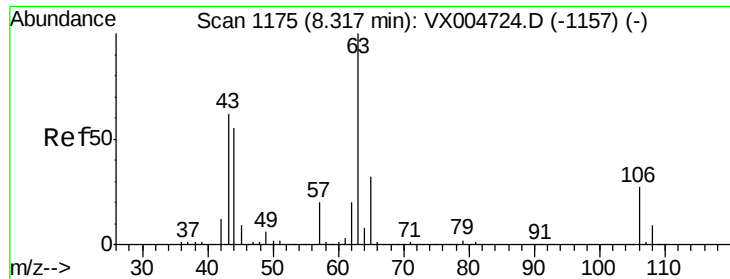
100

50

0

Time-->

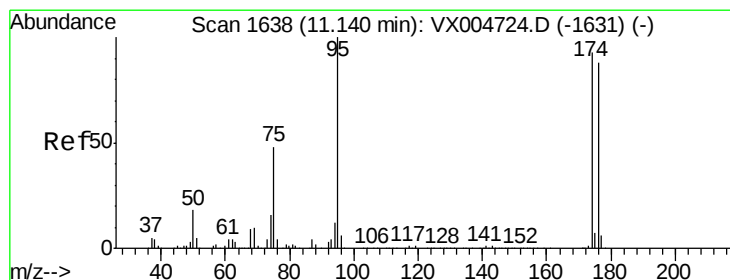
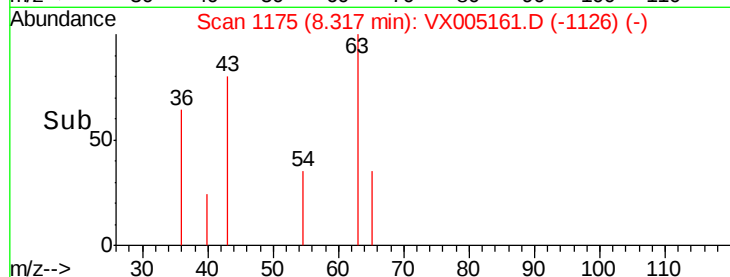
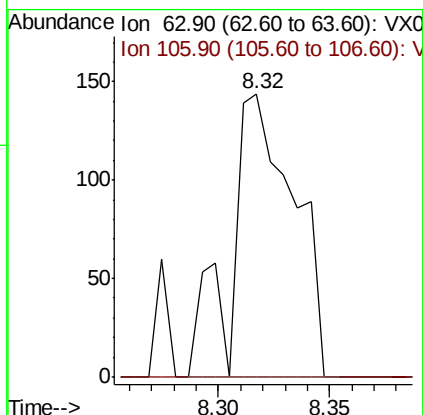
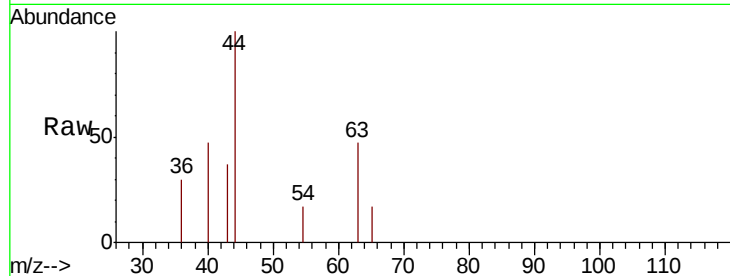




#58
2-Chloroethyl Vinyl ether
Concen: 14.363 ug/l
RT: 8.32 min Scan# 1175
Delta R.T. -0.00 min
Lab File: VX005161.D
Acq: 09 Oct 2018 16:14

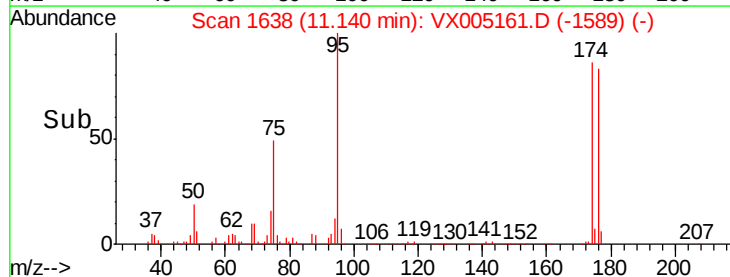
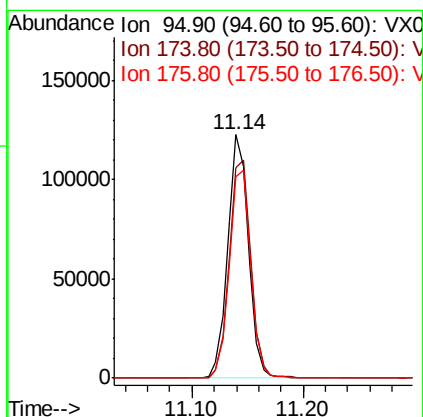
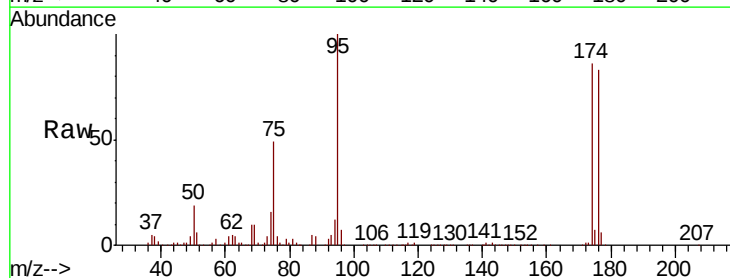
Instrument :
MSVOA_X
ClientSampleId :
SSSI-0926-S-10BME

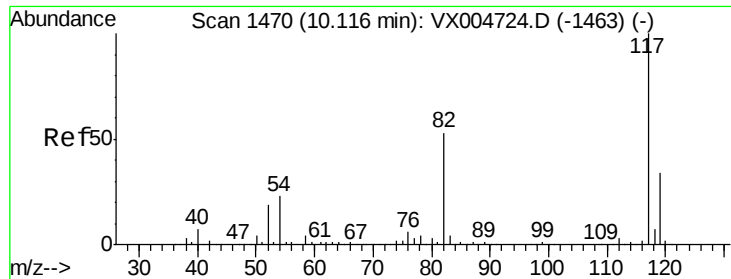
Tot Ion: 63 Resp: 286
Ion Ratio Lower Upper
63 100
106 0.0 21.0 31.6#



#62
4-Bromofluorobenzene
Concen: 52.284 ug/l
RT: 11.14 min Scan# 1638
Delta R.T. -0.00 min
Lab File: VX005161.D
Acq: 09 Oct 2018 16:14

Tgt Ion: 95 Resp: 157701
Ion Ratio Lower Upper
95 100
174 93.6 0.0 185.0
176 89.1 0.0 180.2

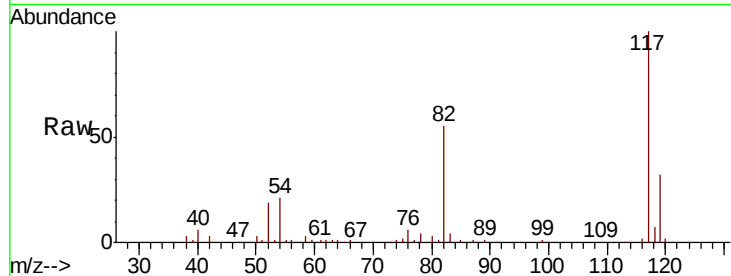




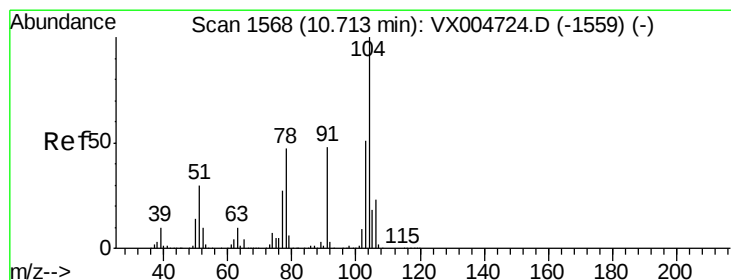
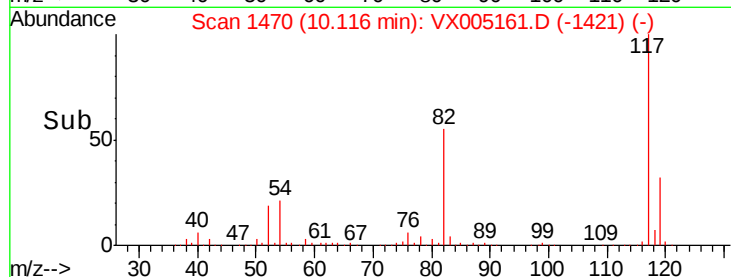
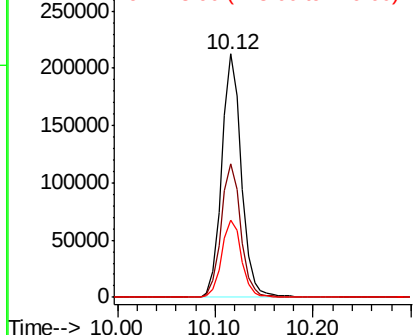
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. -0.00 min
Lab File: VX005161.D
Acq: 09 Oct 2018 16:14

Instrument :
MSVOA_X
ClientSampleId :
SSSI-0926-S-10BME

Tot Ion:117 Resp: 295992
Ion Ratio Lower Upper
117 100
82 54.6 42.2 63.4
119 31.8 27.4 41.0

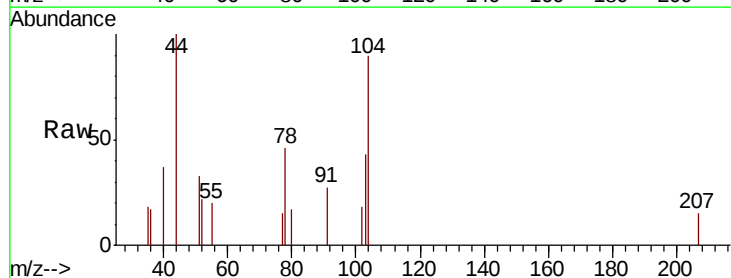


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

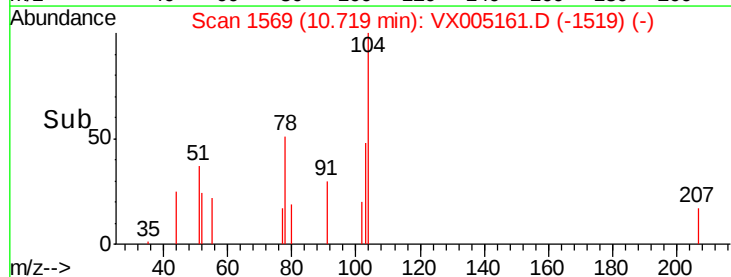
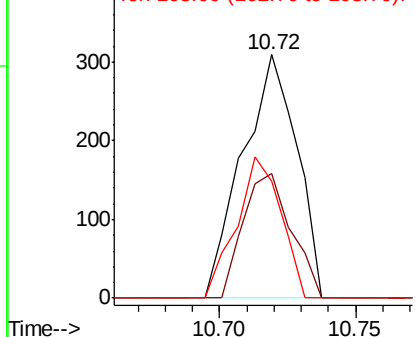


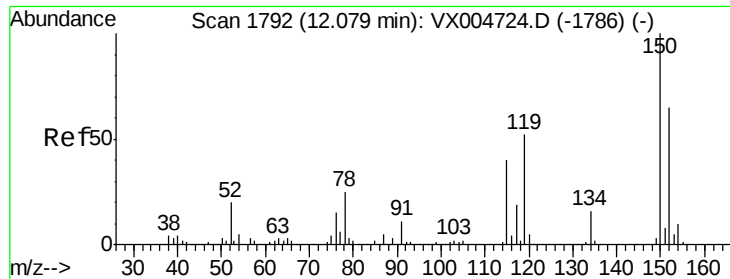
#70
Styrene
Concen: 2.191 ug/l
RT: 10.72 min Scan# 1569
Delta R.T. 0.01 min
Lab File: VX005161.D
Acq: 09 Oct 2018 16:14

Tgt Ion:104 Resp: 428
Ion Ratio Lower Upper
104 100
78 45.3 40.0 60.0
103 47.4 44.3 66.5



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VX0
Ion 103.00 (102.70 to 103.70): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX005161.D

Acq: 09 Oct 2018 16:14

Instrument :

MSVOA_X

ClientSampleId :

SSSI-0926-S-10BME

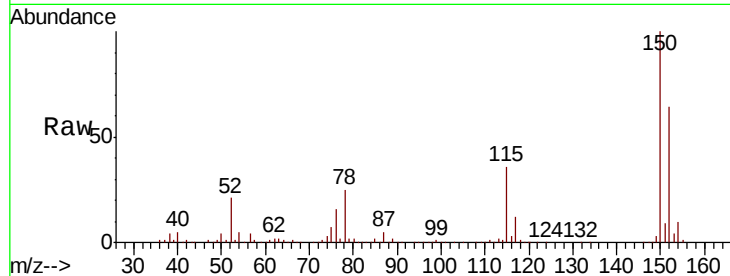
Tot Ion:152 Resp: 173216

Ion Ratio Lower Upper

152 100

115 55.2 40.2 120.6

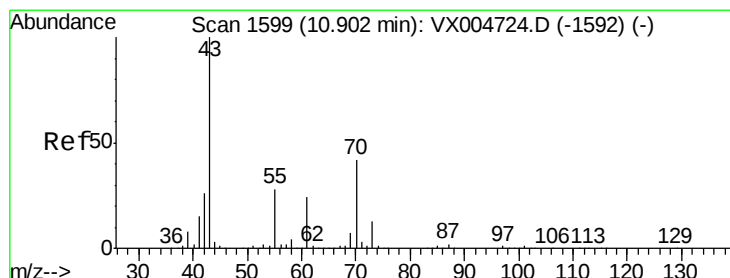
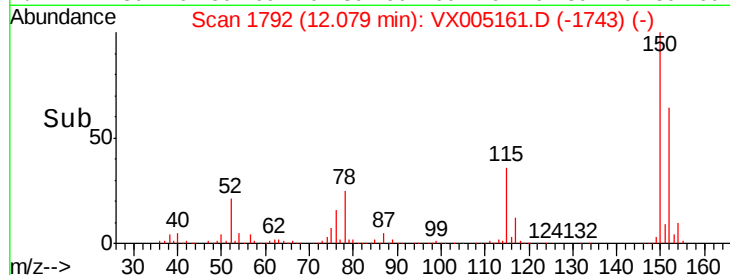
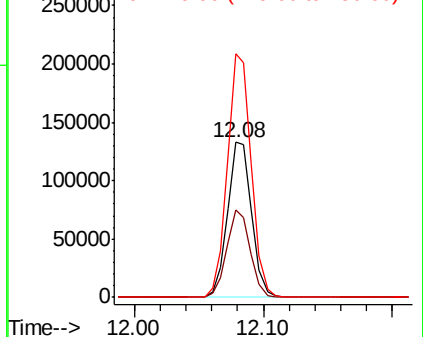
150 156.5 0.0 351.0



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#74

N-ethyl acetate

Concen: 1.812 ug/l

RT: 10.91 min Scan# 1600

Delta R.T. 0.01 min

Lab File: VX005161.D

Acq: 09 Oct 2018 16:14

Tgt Ion: 43 Resp: 398

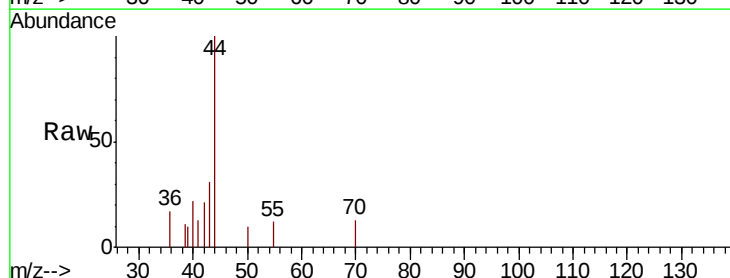
Ion Ratio Lower Upper

43 100

70 27.6 32.6 48.8#

55 25.9 21.6 32.4

61 0.0 19.1 28.7#

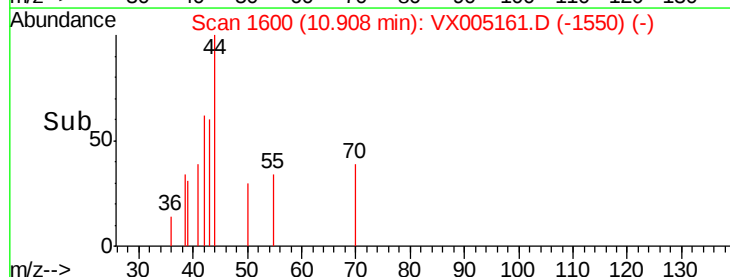
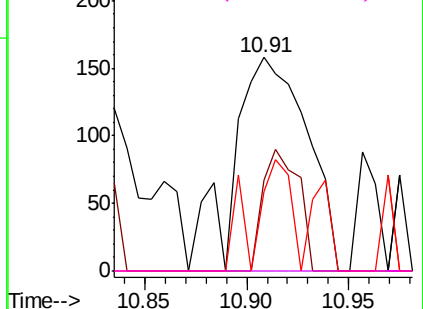


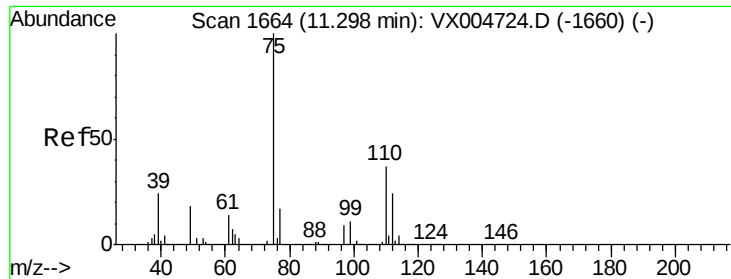
Abundance Ion 43.00 (42.70 to 43.70): VX0

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

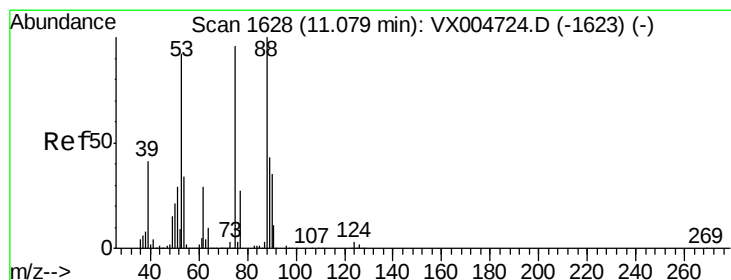
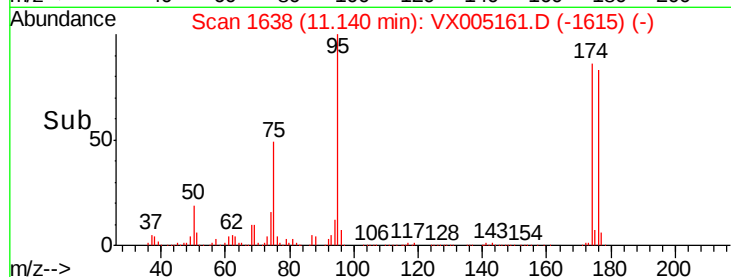
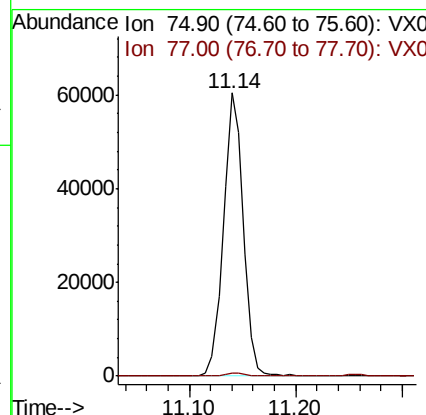
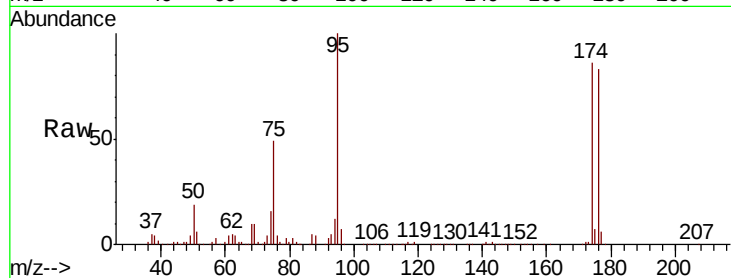




#76
 1,2,3-Trichloropropane
 Concen: 20.124 ug/l
 RT: 11.14 min Scan# 1638
 Delta R.T. -0.16 min
 Lab File: VX005161.D
 Acq: 09 Oct 2018 16:14

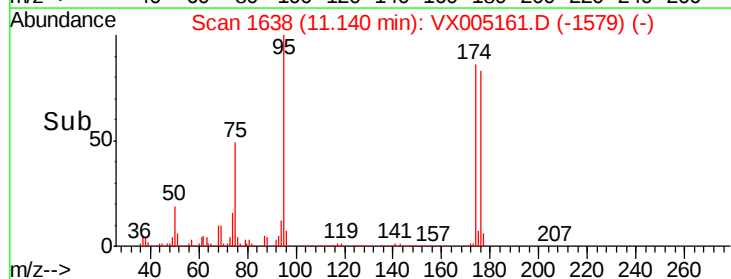
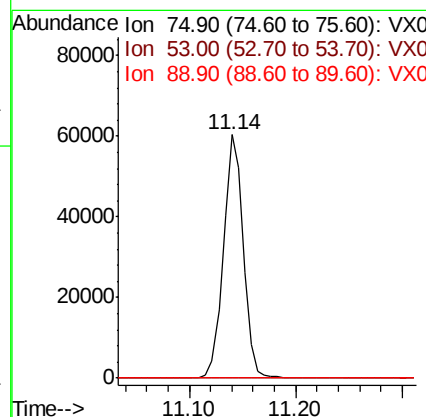
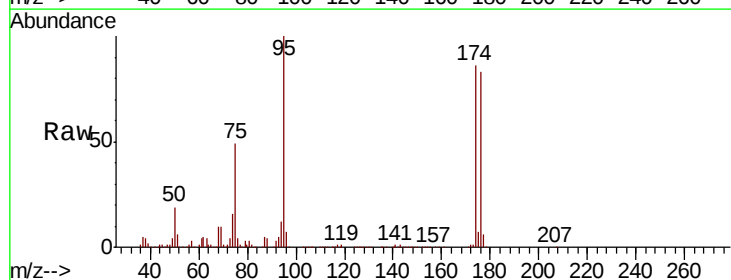
Instrument :
 MSVOA_X
 ClientSampleId :
 SSSI-0926-S-10BME

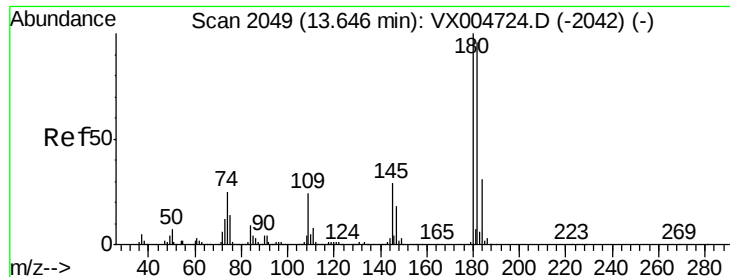
Tot Ion: 75 Resp: 78131
 Ion Ratio Lower Upper
 75 100
 77 1.3 21.4 64.3#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 54.693 ug/l
 RT: 11.14 min Scan# 1638
 Delta R.T. 0.06 min
 Lab File: VX005161.D
 Acq: 09 Oct 2018 16:14

Tgt Ion: 75 Resp: 78131
 Ion Ratio Lower Upper
 75 100
 53 0.2 80.2 120.4#
 89 0.1 37.1 55.7#

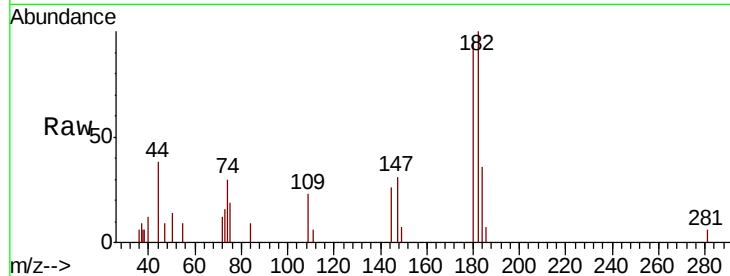




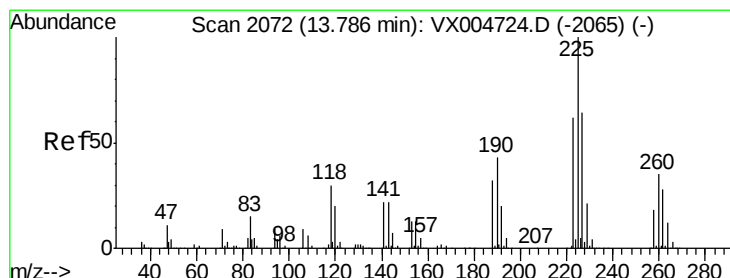
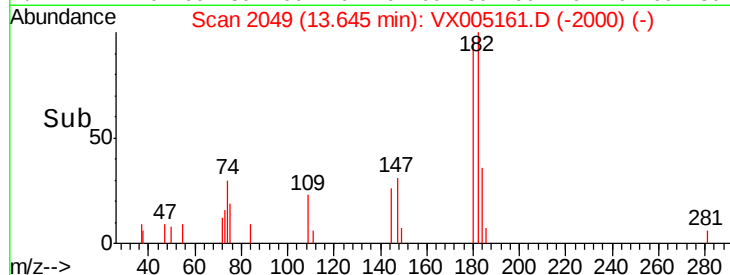
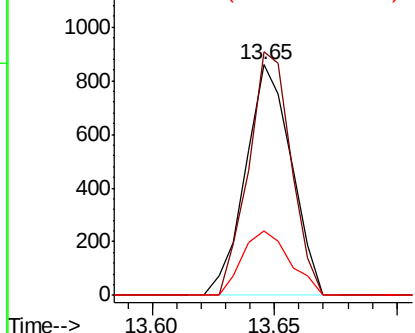
#93
 1,2,4-Trichlorobenzene
 Concen: 0.259 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. -0.00 min
 Lab File: VX005161.D
 Acq: 09 Oct 2018 16:14

Instrument :
 MSVOA_X
 ClientSampleId :
 SSSI-0926-S-10BME

Tot Ion	Ratio	Lower	Upper
180	100		
182	98.1	47.8	143.4
145	28.9	14.1	42.4

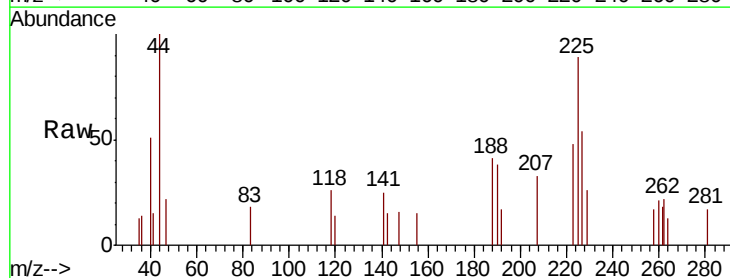


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

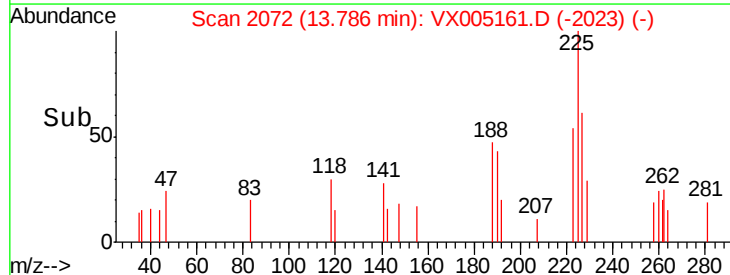
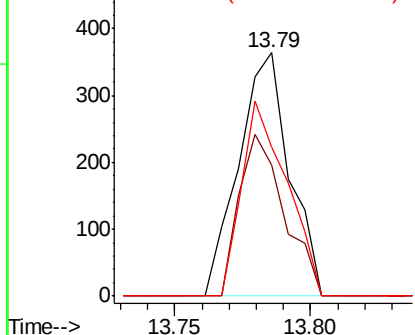


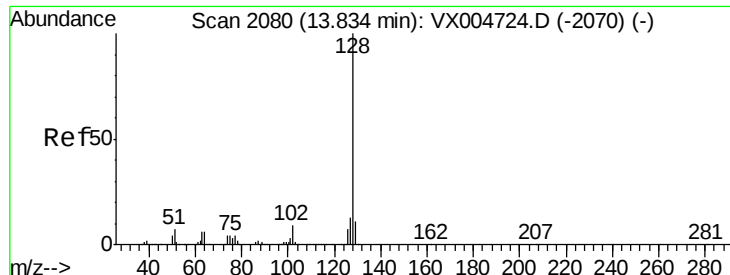
#94
 Hexachlorobutadiene
 Concen: 0.210 ug/l
 RT: 13.79 min Scan# 2072
 Delta R.T. -0.00 min
 Lab File: VX005161.D
 Acq: 09 Oct 2018 16:14

Tgt Ion	Ratio	Lower	Upper
225	100		
223	58.7	31.3	93.8
227	70.8	31.9	95.5



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 0.949 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. -0.00 min

Lab File: VX005161.D

Acq: 09 Oct 2018 16:14

Instrument :

MSVOA_X

ClientSampleId :

SSSI-0926-S-10BME

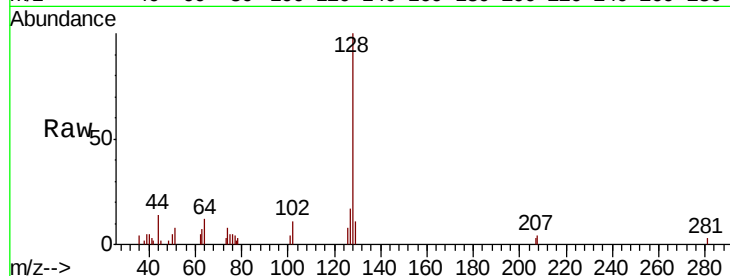
Tot Ion:128 Resp: 3350

Ion Ratio Lower Upper

128 100

127 15.3 10.4 15.6

129 11.9 8.7 13.1



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

