

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\WX082219\
 Data File : VX011770.D
 Acq On : 22 Aug 2019 18:29
 Operator : JC/SP
 Sample : K4388-39
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 T6-E3-(0)

Quant Time: Aug 23 02:04:22 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X082219W.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 23 01:48:12 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	455211	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	623350	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	564229	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	273462	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.06	65	208064	45.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.00%	
35) Dibromofluoromethane	5.49	113	184434	45.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.52%	
50) Toluene-d8	8.71	98	704751	50.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.26%	
62) 4-Bromofluorobenzene	11.13	95	245030	44.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.18%	

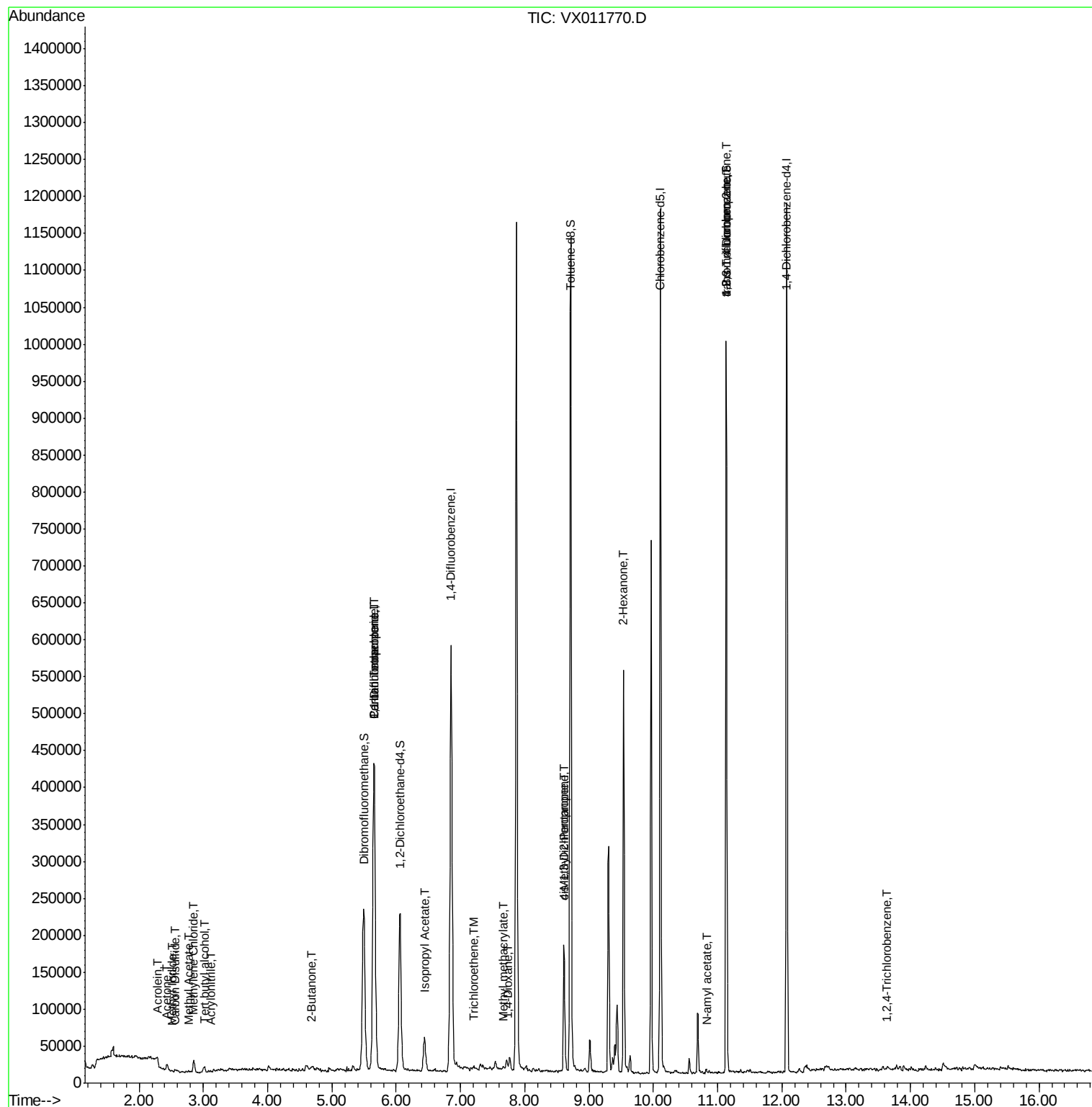
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Methyl Iodide	2.51	142	1111	0.248	ug/l #	84
11) Tert butyl alcohol	3.01	59	5261	5.822	ug/l #	75
13) Acrolein	2.28	56	105	0.301	ug/l #	48
15) Acrylonitrile	3.12	53	422	0.204	ug/l #	33
16) Acetone	2.43	43	9997	5.026	ug/l	90
17) Carbon Disulfide	2.56	76	2223	0.246	ug/l #	68
18) Methyl Acetate	2.77	43	2868	0.531	ug/l #	42
20) Methylene Chloride	2.85	84	8663	2.130	ug/l	95
25) 2-Butanone	4.67	43	1138	0.399	ug/l	93
36) 1,1-Dichloropropene	5.65	75	25184	5.152	ug/l #	52
38) Carbon Tetrachloride	5.66	117	38218	6.899	ug/l #	17
43) Isopropyl Acetate	6.44	43	63257	7.555	ug/l	97
44) Trichloroethene	7.21	130	1339	0.287	ug/l	58
48) Methyl methacrylate	7.67	41	3904	0.937	ug/l #	17
49) 1,4-Dioxane	7.74	88	433	3.751	ug/l #	80
51) 4-Methyl-2-Pentanone	8.61	43	59072	10.708	ug/l #	48
54) cis-1,3-Dichloropropene	8.61	75	29251	5.063	ug/l #	61
59) 2-Hexanone	9.54	43	62816	14.835	ug/l #	52
74) N-amyl acetate	10.83	43	2786	0.437	ug/l #	54
76) 1,2,3-Trichloropropane	11.13	75	110564	23.042	ug/l #	36
81) trans-1,4-Dichloro-2-buten	11.13	75	110564	69.489	ug/l #	11
93) 1,2,4-Trichlorobenzene	13.64	180	1262	0.203	ug/l	87

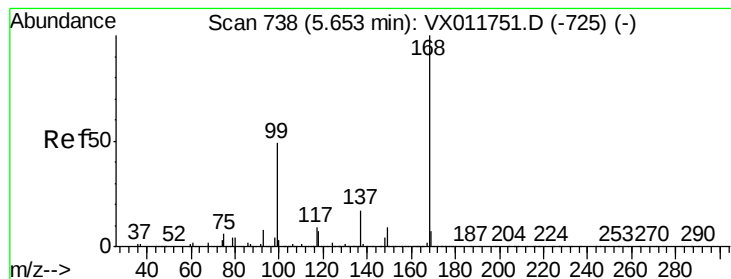
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Instrument :
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ClientSampled :
T6-E3-(0)

Quant Time: Aug 23 02:04:22 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X082219W.M
Quant Title : SW846 8260
QLast Update : Fri Aug 23 01:48:12 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 738

Delta R.T. -0.00 min

Lab File: VX011770.D

Acq: 22 Aug 2019 18:29

Instrument :

MSVOA_X

ClientSampled :

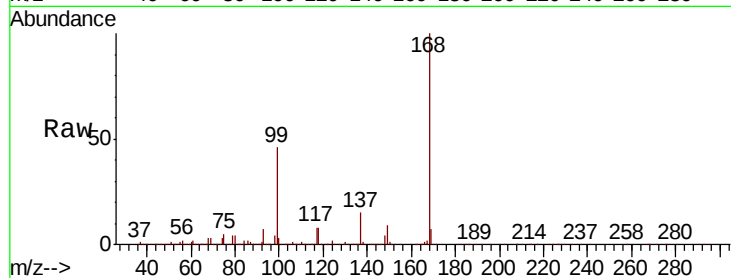
T6-E3-(0)

Tgt Ion:168 Resp: 455211

Ion Ratio Lower Upper

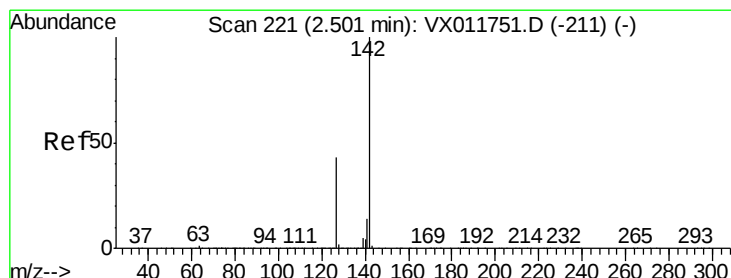
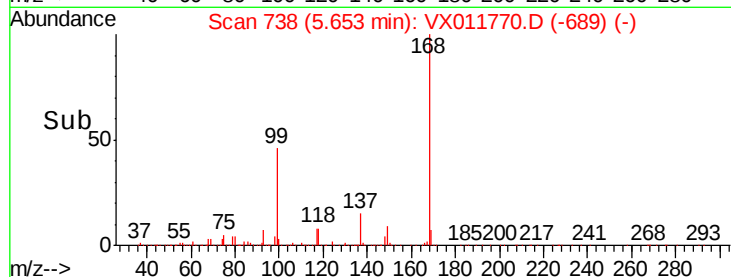
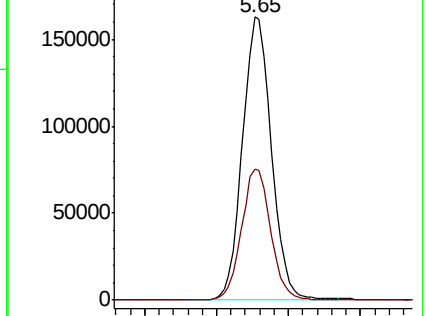
168 100

99 46.2 39.4 59.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#10

Methyl Iodide

Concen: 0.248 ug/l

RT: 2.51 min Scan# 222

Delta R.T. 0.01 min

Lab File: VX011770.D

Acq: 22 Aug 2019 18:29

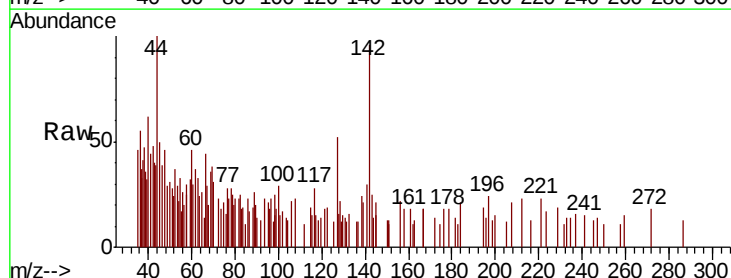
Tgt Ion:142 Resp: 1111

Ion Ratio Lower Upper

142 100

127 35.3 33.5 50.3

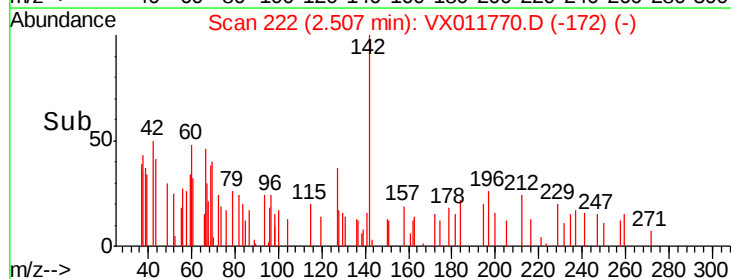
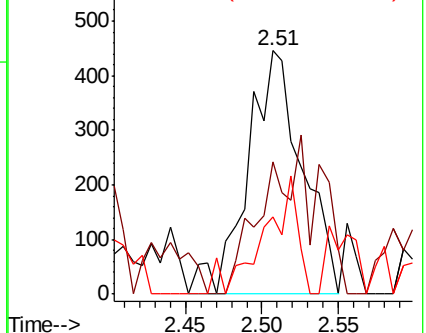
141 27.5 11.4 17.2#

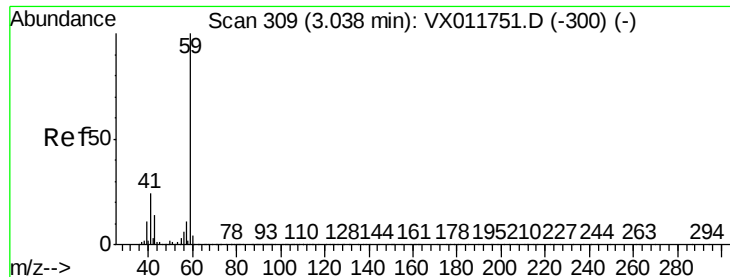


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



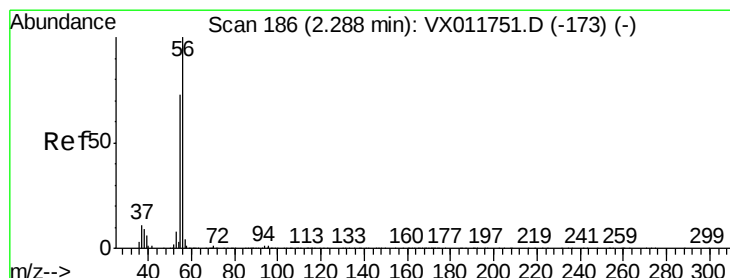
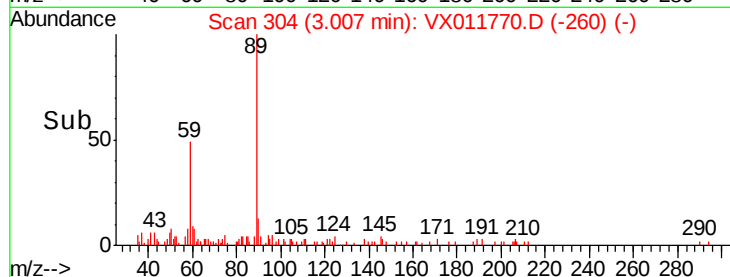
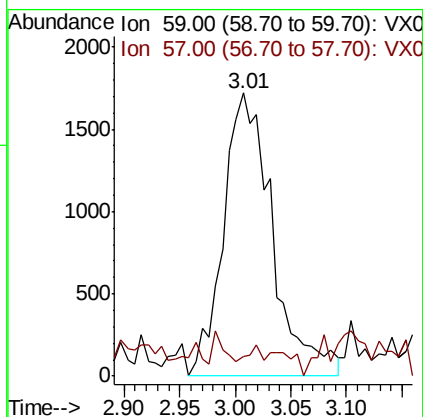
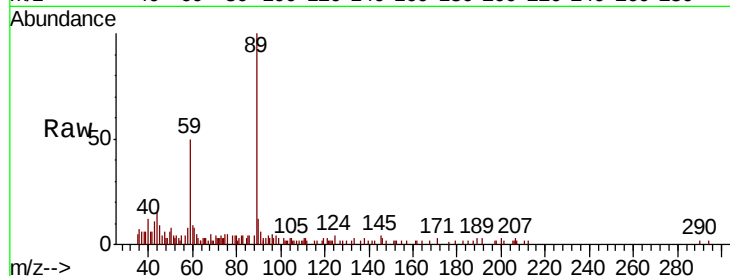


#11

Tert butyl alcohol
Concen: 5.822 ug/l
RT: 3.01 min Scan# 304
Delta R.T. -0.03 min
Lab File: VX011770.D
Acq: 22 Aug 2019 18:29

Instrument :
MSVOA_X
ClientSampleId :
T6-E3-(0)

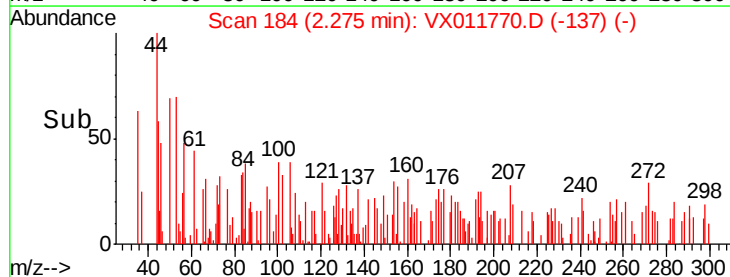
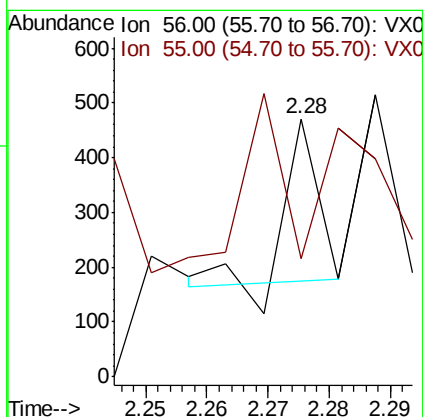
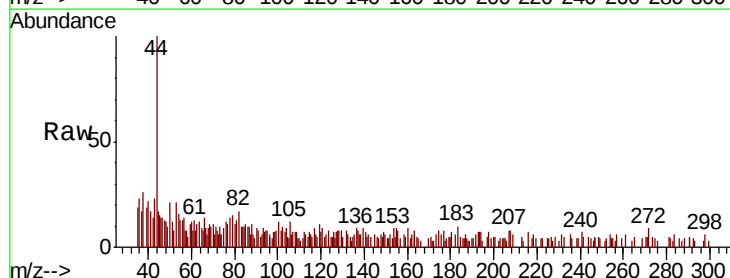
Tgt Ion: 59 Resp: 5261
Ion Ratio Lower Upper
59 100
57 1.2 8.4 12.6#

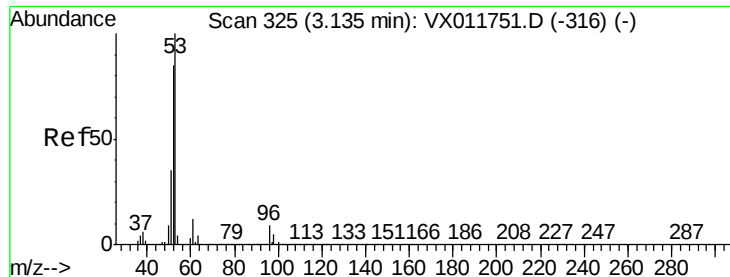


#13

Acrolein
Concen: 0.301 ug/l
RT: 2.28 min Scan# 184
Delta R.T. -0.01 min
Lab File: VX011770.D
Acq: 22 Aug 2019 18:29

Tgt Ion: 56 Resp: 105
Ion Ratio Lower Upper
56 100
55 110.5 54.8 82.2#





#15

Acrylonitrile

Concen: 0.204 ug/l

RT: 3.12 min Scan# 323

Delta R.T. -0.01 min

Lab File: VX011770.D

Acq: 22 Aug 2019 18:29

Instrument :

MSVOA_X

ClientSampleId :

T6-E3-(0)

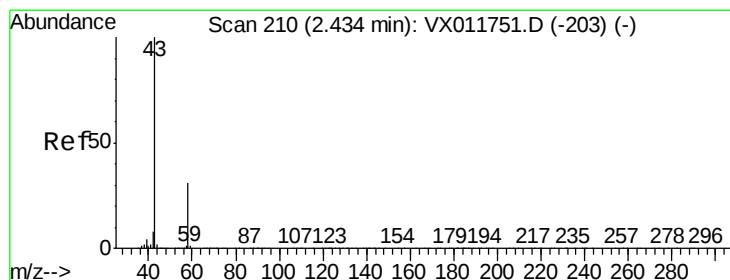
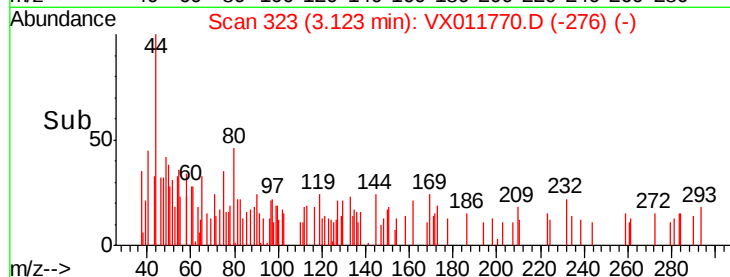
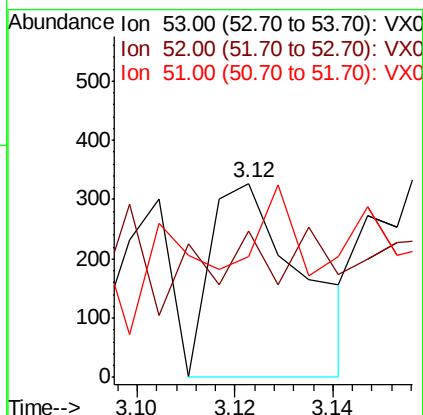
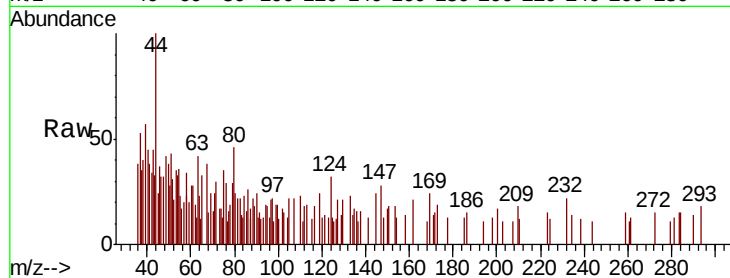
Tgt Ion: 53 Resp: 422

Ion Ratio Lower Upper

53 100

52 0.0 65.7 98.5#

51 30.6 28.6 43.0



#16

Acetone

Concen: 5.026 ug/l

RT: 2.43 min Scan# 210

Delta R.T. -0.00 min

Lab File: VX011770.D

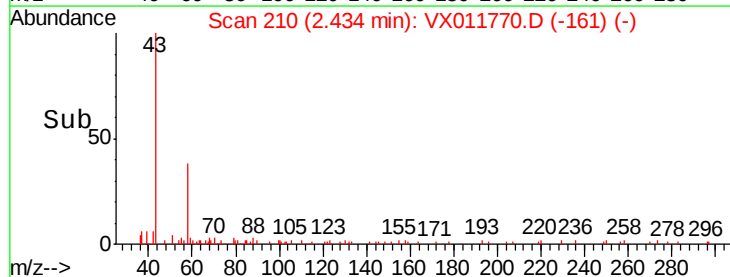
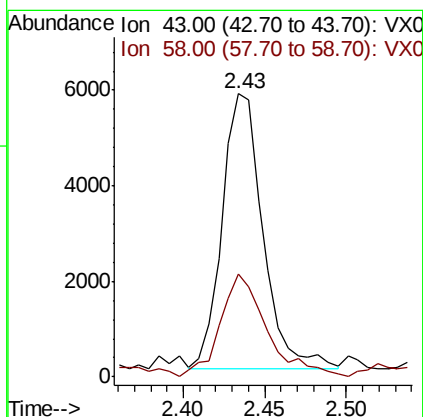
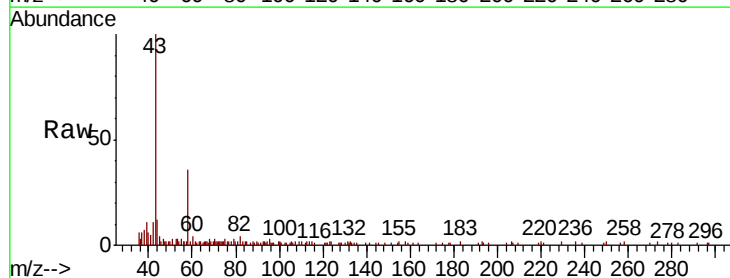
Acq: 22 Aug 2019 18:29

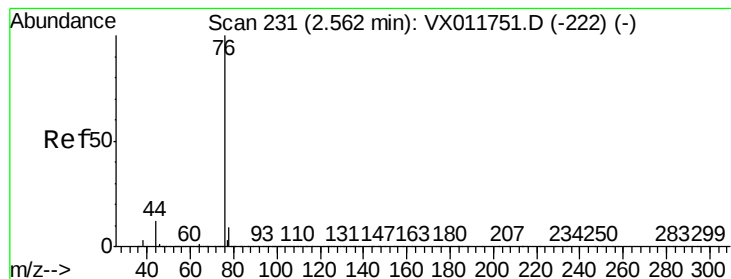
Tgt Ion: 43 Resp: 9997

Ion Ratio Lower Upper

43 100

58 36.2 24.4 36.6





#17

Carbon Disulfide

Concen: 0.246 ug/l

RT: 2.56 min Scan# 231

Delta R.T. -0.00 min

Lab File: VX011770.D

Acq: 22 Aug 2019 18:29

Instrument :

MSVOA_X

ClientSampleId :

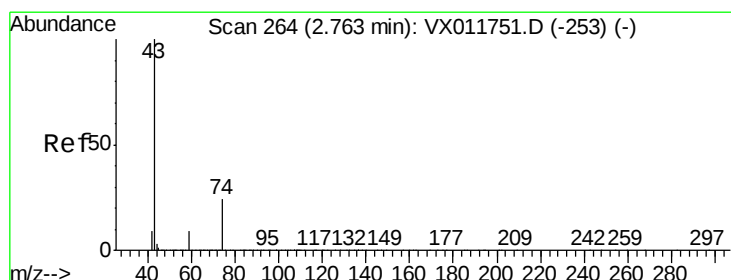
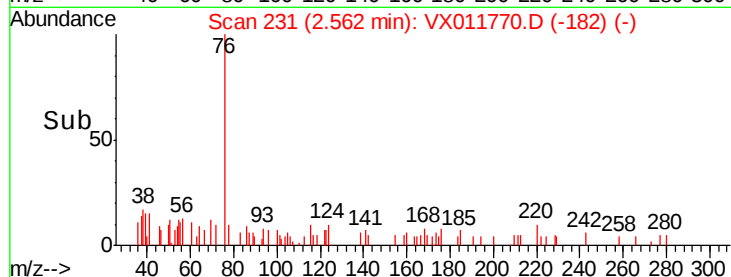
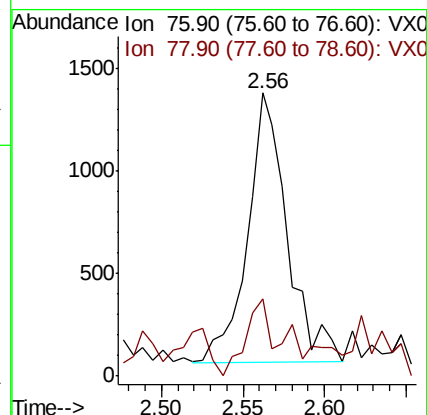
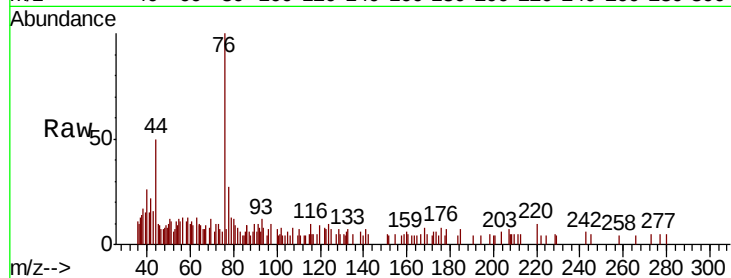
T6-E3-(0)

Tgt Ion: 76 Resp: 2223

Ion Ratio Lower Upper

76 100

78 20.7 7.4 11.0#



#18

Methyl Acetate

Concen: 0.531 ug/l

RT: 2.77 min Scan# 265

Delta R.T. 0.01 min

Lab File: VX011770.D

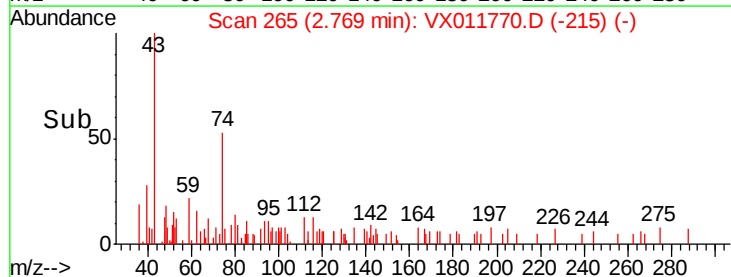
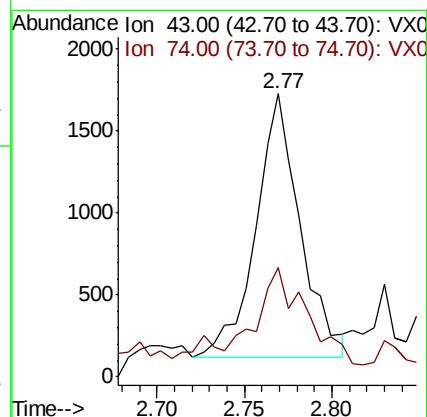
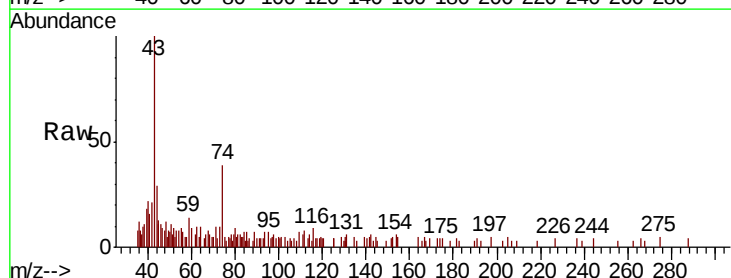
Acq: 22 Aug 2019 18:29

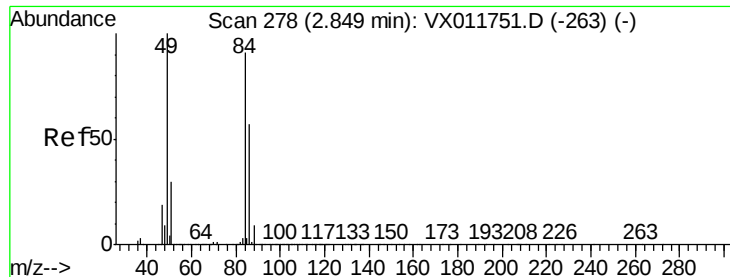
Tgt Ion: 43 Resp: 2868

Ion Ratio Lower Upper

43 100

74 53.0 19.5 29.3#

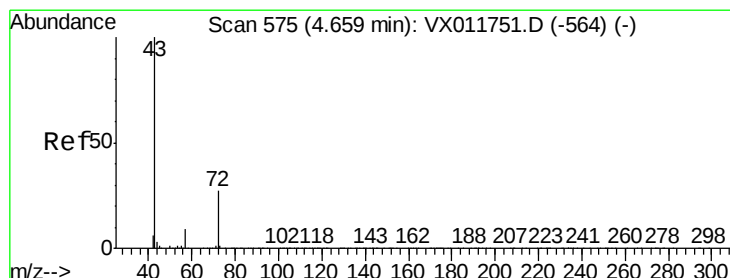
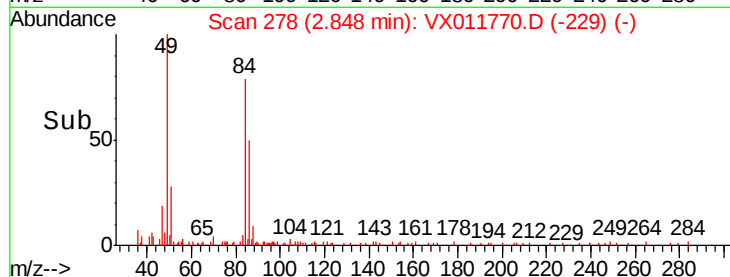
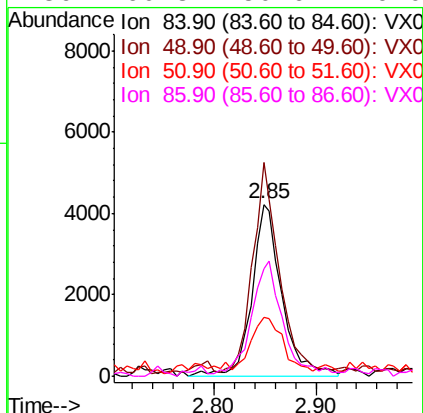
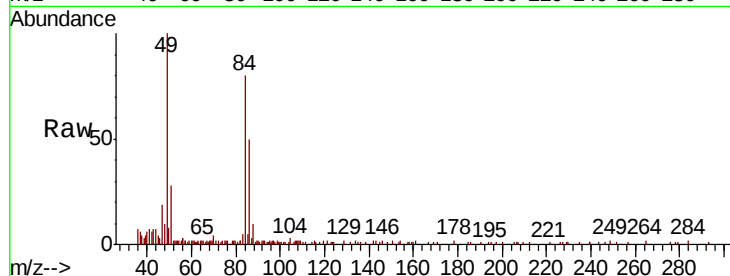




#20
Methylene Chloride
Concen: 2.130 ug/l
RT: 2.85 min Scan# 278
Delta R.T. -0.00 min
Lab File: VX011770.D
Acq: 22 Aug 2019 18:29

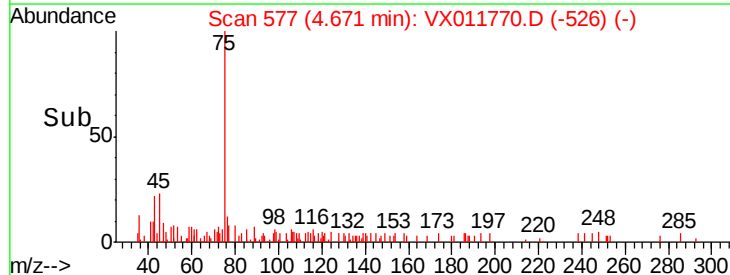
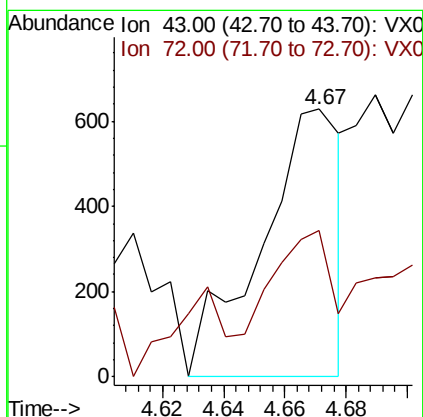
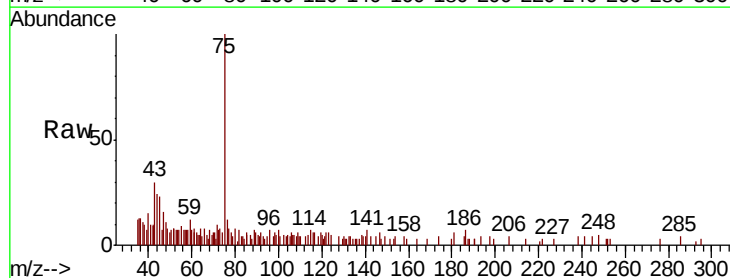
Instrument :
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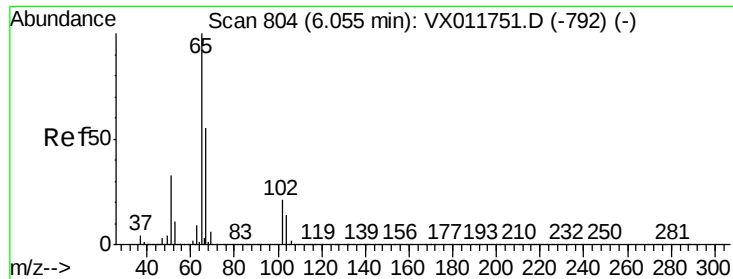
Tgt Ion:	84	Resp:	8663
Ion	Ratio	Lower	Upper
84	100		
49	117.8	88.3	132.5
51	31.5	26.2	39.2
86	60.3	50.6	76.0



#25
2-Butanone
Concen: 0.399 ug/l
RT: 4.67 min Scan# 577
Delta R.T. 0.01 min
Lab File: VX011770.D
Acq: 22 Aug 2019 18:29

Tgt Ion:	43	Resp:	1138
Ion	Ratio	Lower	Upper
43	100		
72	31.1	21.8	32.6





#33

1,2-Dichloroethane-d4

Concen: 45.500 ug/l

RT: 6.06 min Scan# 804

Delta R.T. -0.00 min

Lab File: VX011770.D

Acq: 22 Aug 2019 18:29

Instrument :

MSVOA_X

ClientSampleId :

T6-E3-(0)

Tgt Ion: 65 Resp: 208064

Ion Ratio Lower Upper

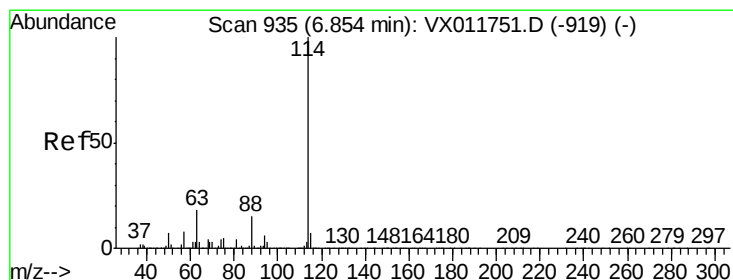
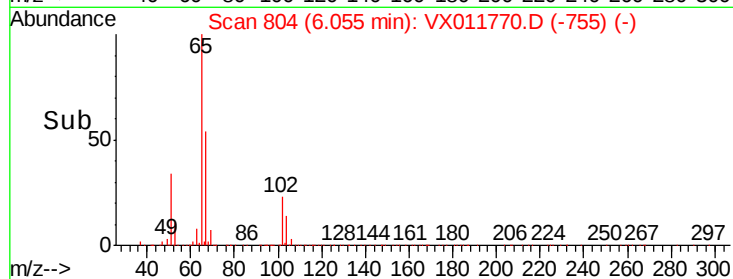
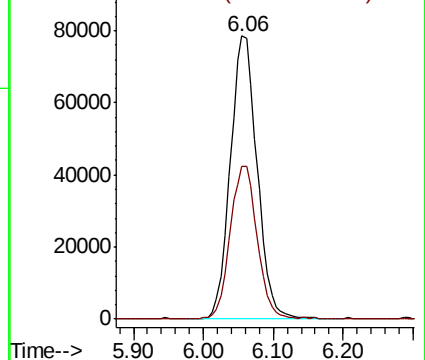
65 100

67 54.1 0.0 107.8



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.85 min Scan# 935

Delta R.T. -0.00 min

Lab File: VX011770.D

Acq: 22 Aug 2019 18:29

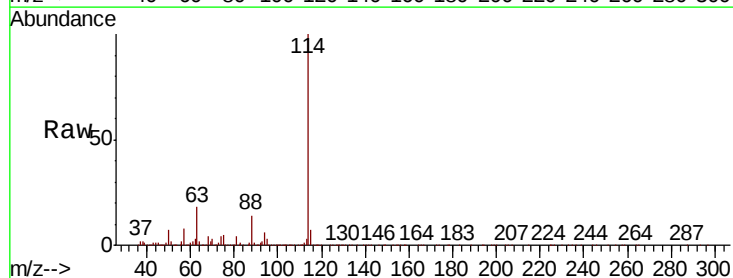
Tgt Ion: 114 Resp: 623350

Ion Ratio Lower Upper

114 100

63 17.9 0.0 36.8

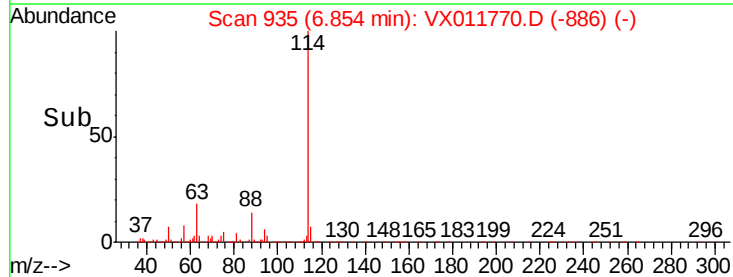
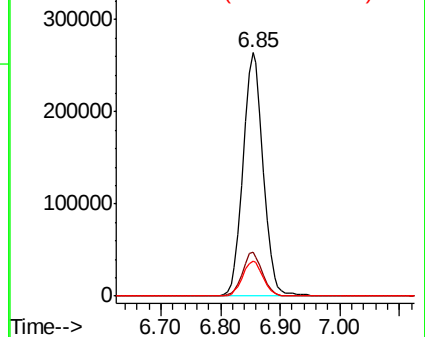
88 14.5 0.0 30.2

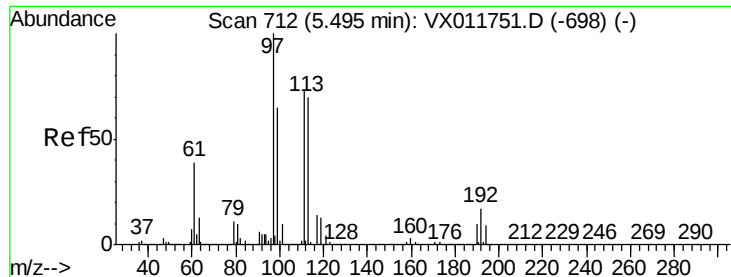


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0

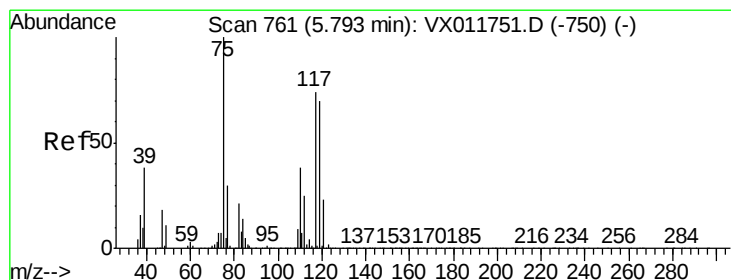
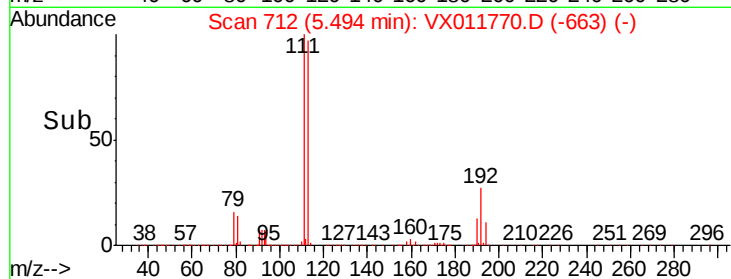
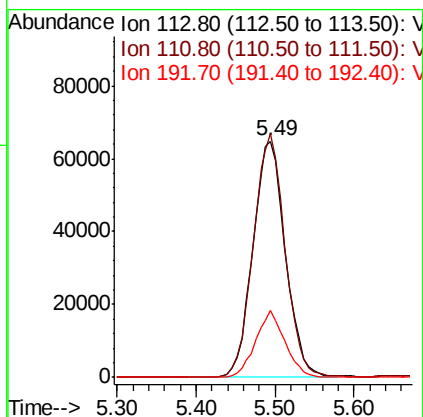
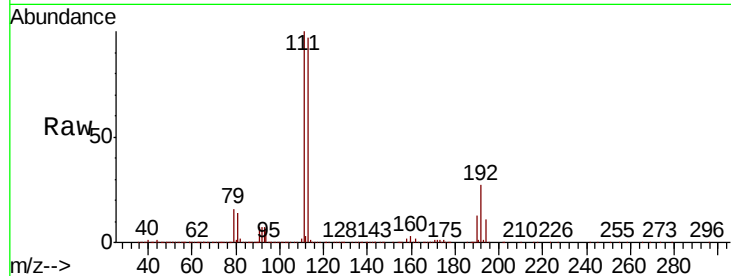




#35
 Dibromofluoromethane
 Concen: 45.756 ug/l
 RT: 5.49 min Scan# 712
 Delta R.T. -0.00 min
 Lab File: VX011770.D
 Acq: 22 Aug 2019 18:29

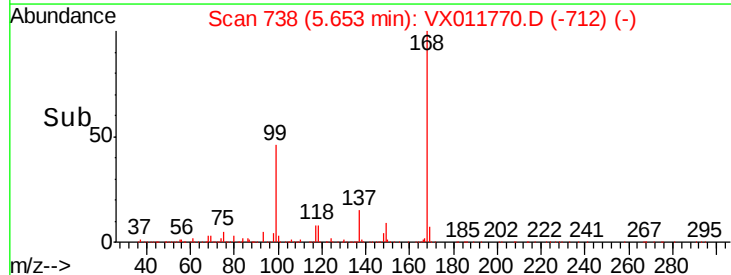
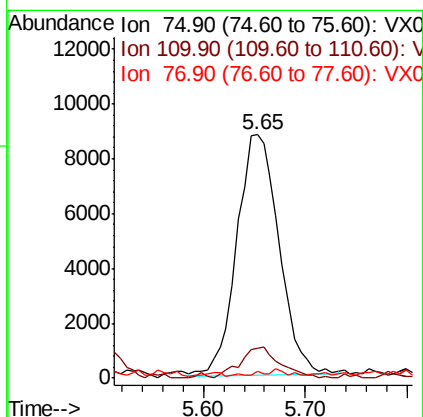
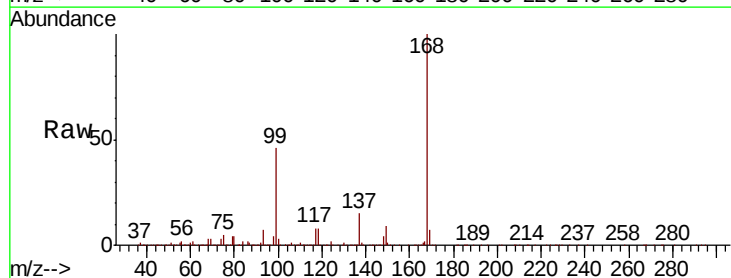
Instrument :
 MSVOA_X
 ClientSampleId :
 T6-E3-(0)

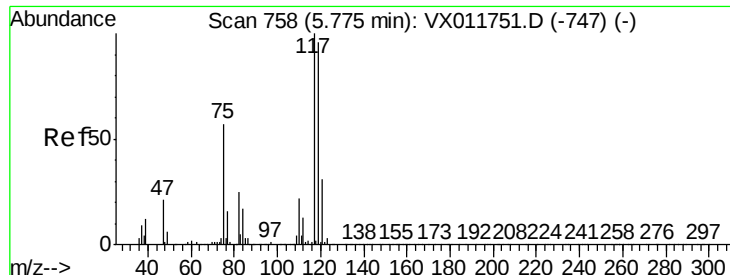
Tgt Ion	Ratio	Lower	Upper
113	100		
111	101.1	81.0	121.4
192	25.9	19.9	29.9



#36
 1,1-Dichloropropene
 Concen: 5.152 ug/l
 RT: 5.65 min Scan# 738
 Delta R.T. -0.14 min
 Lab File: VX011770.D
 Acq: 22 Aug 2019 18:29

Tgt Ion	Ratio	Lower	Upper
75	100		
110	12.3	19.0	57.0#
77	1.3	24.6	36.8#





#38

Carbon Tetrachloride

Concen: 6.899 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.12 min

Lab File: VX011770.D

Acq: 22 Aug 2019 18:29

Instrument :

MSVOA_X

ClientSampleId :

T6-E3-(0)

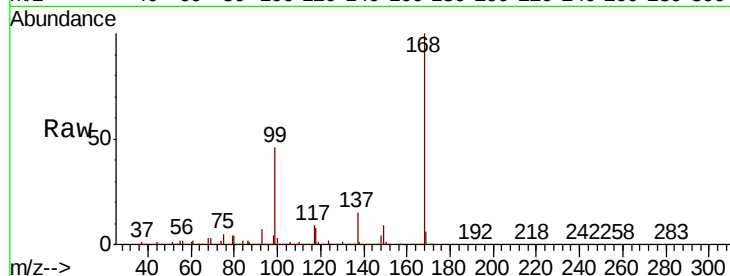
Tgt Ion:117 Resp: 38218

Ion Ratio Lower Upper

117 100

119 5.4 76.6 114.8#

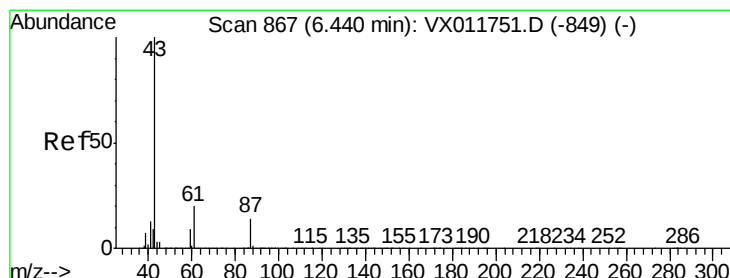
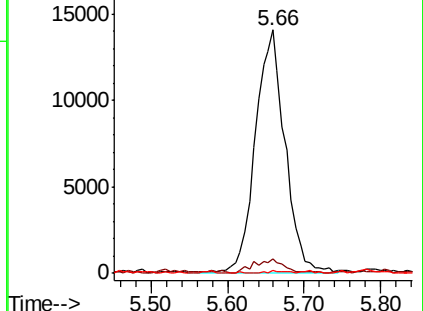
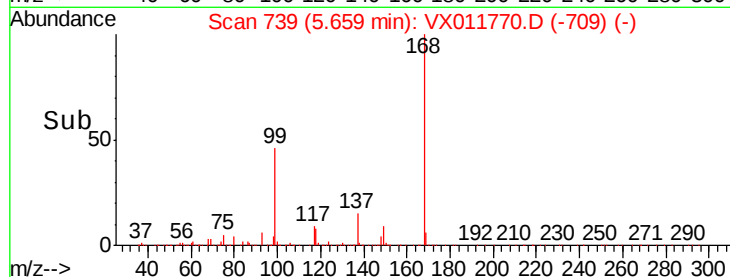
121 1.2 25.2 37.8#



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



#43

Isopropyl Acetate

Concen: 7.555 ug/l

RT: 6.44 min Scan# 867

Delta R.T. -0.00 min

Lab File: VX011770.D

Acq: 22 Aug 2019 18:29

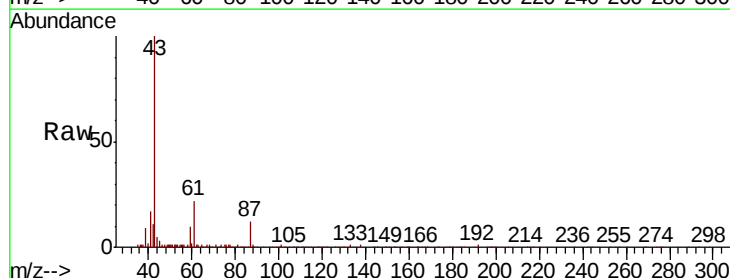
Tgt Ion: 43 Resp: 63257

Ion Ratio Lower Upper

43 100

61 21.9 16.2 24.2

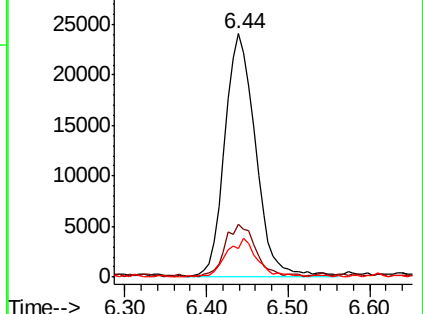
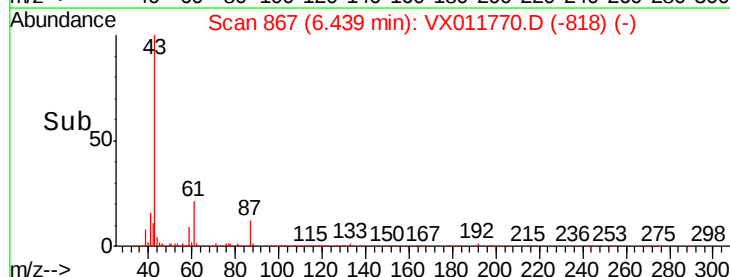
87 15.7 11.6 17.4

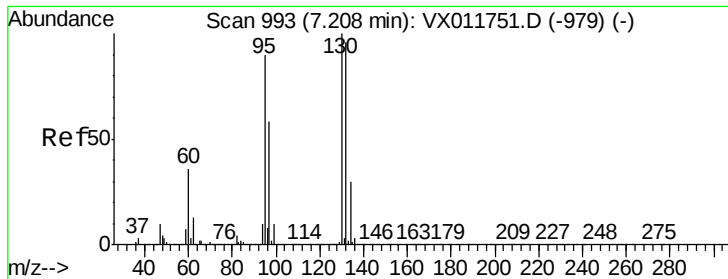


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 87.00 (86.70 to 87.70): VX0





#44

Trichloroethene

Concen: 0.287 ug/l

RT: 7.21 min Scan# 993

Delta R.T. -0.00 min

Lab File: VX011770.D

Acq: 22 Aug 2019 18:29

Instrument :

MSVOA_X

ClientSampleId :

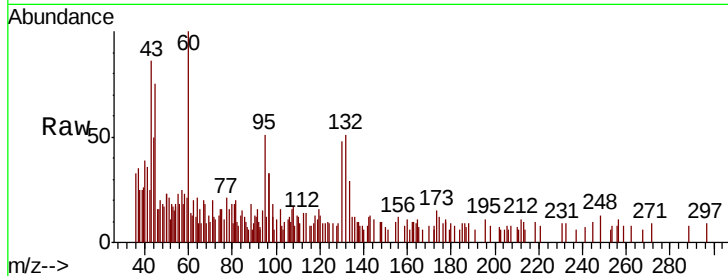
T6-E3-(0)

Tgt Ion:130 Resp: 1339

Ion Ratio Lower Upper

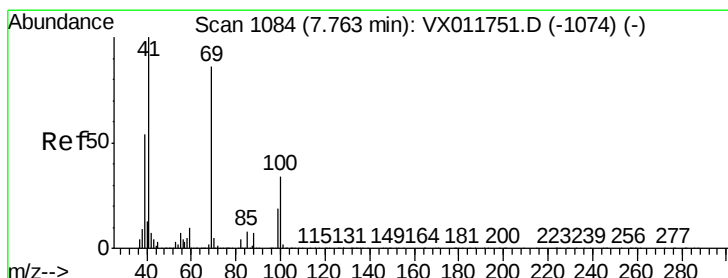
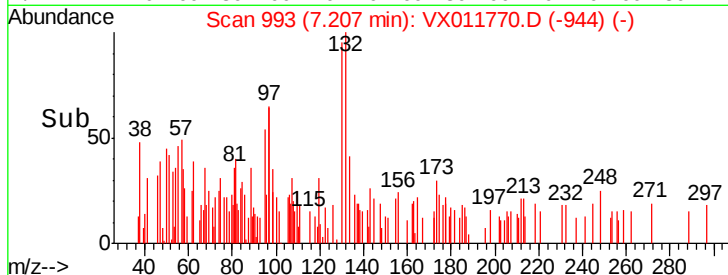
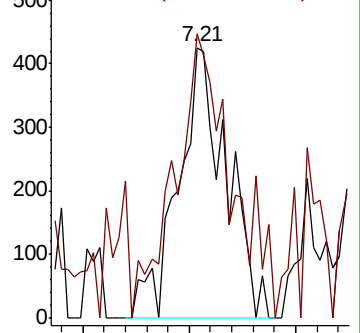
130 100

95 128.9 0.0 179.0



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0



#48

Methyl methacrylate

Concen: 0.937 ug/l

RT: 7.67 min Scan# 1069

Delta R.T. -0.09 min

Lab File: VX011770.D

Acq: 22 Aug 2019 18:29

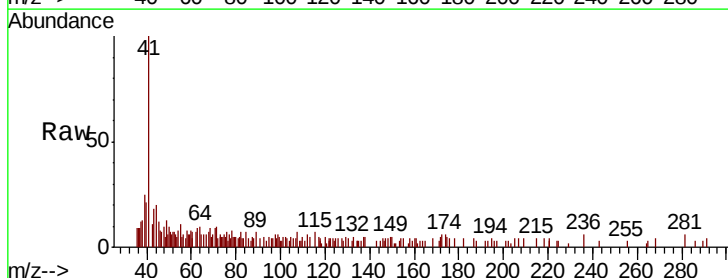
Tgt Ion: 41 Resp: 3904

Ion Ratio Lower Upper

41 100

69 5.4 69.4 104.2#

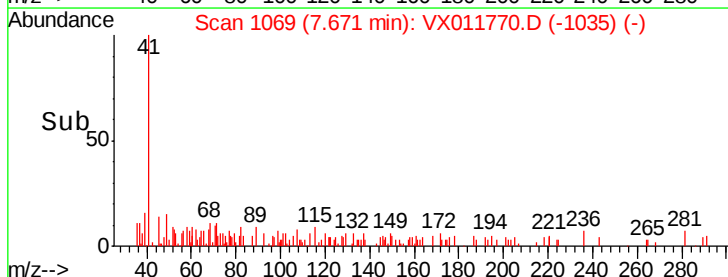
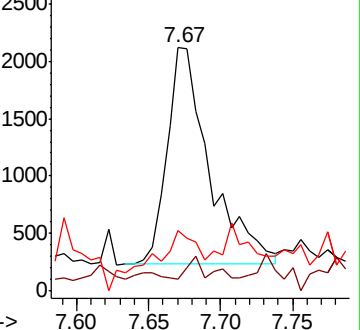
39 0.0 43.6 65.4#

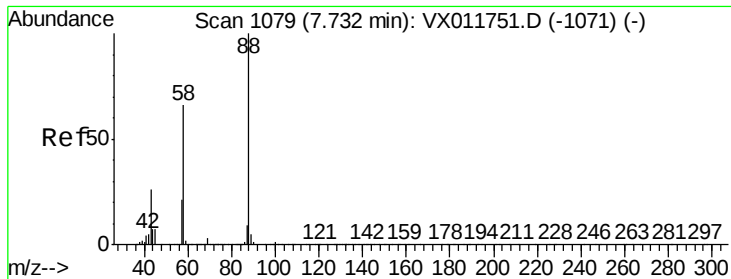


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 39.00 (38.70 to 39.70): VX0





#49

1,4-Dioxane

Concen: 3.751 ug/l

RT: 7.74 min Scan# 1080

Delta R.T. 0.01 min

Lab File: VX011770.D

Acq: 22 Aug 2019 18:29

Instrument :

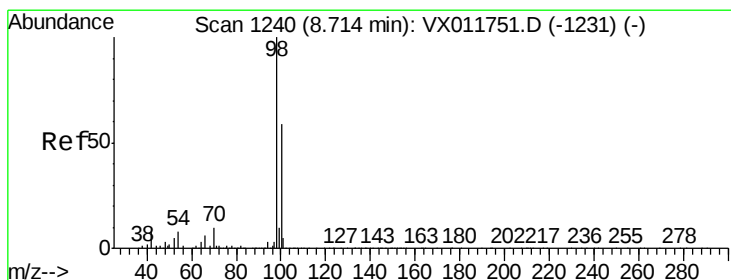
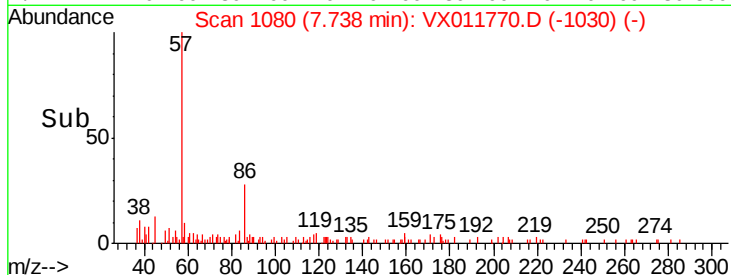
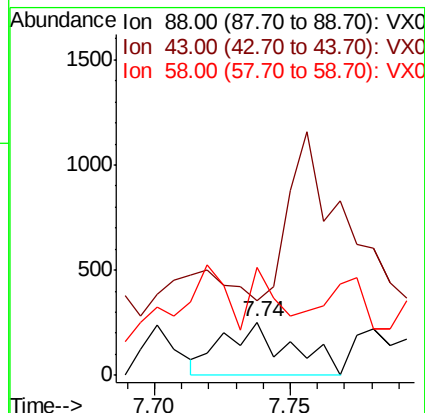
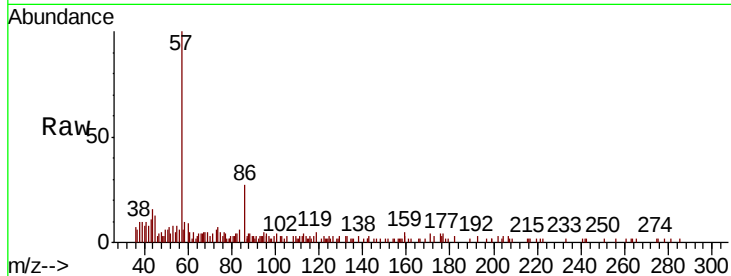
MSVOA_X

ClientSampleId :

T6-E3-(0)

Tgt Ion: 88 Resp: 433

Ion	Ratio	Lower	Upper
88	100		
43	0.0	24.6	37.0#
58	65.8	51.4	77.2



#50

Toluene-d8

Concen: 50.126 ug/l

RT: 8.71 min Scan# 1240

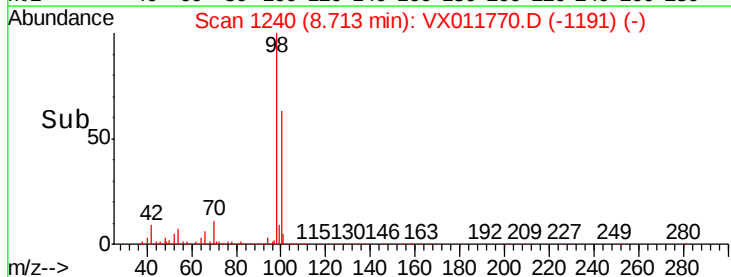
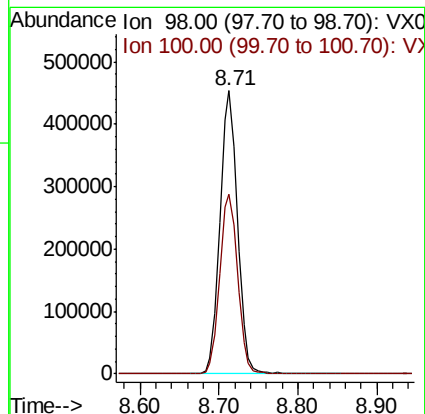
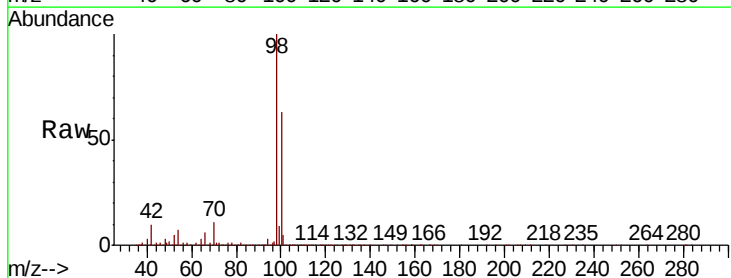
Delta R.T. -0.00 min

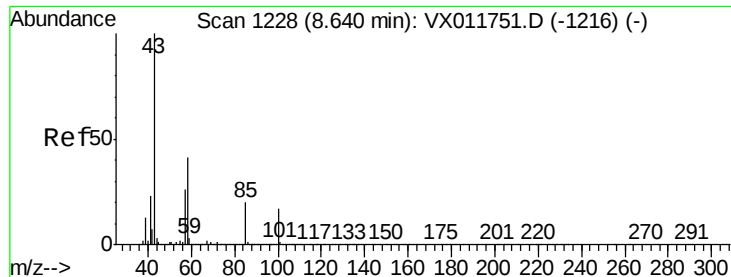
Lab File: VX011770.D

Acq: 22 Aug 2019 18:29

Tgt Ion: 98 Resp: 704751

Ion	Ratio	Lower	Upper
98	100		
100	64.7	52.1	78.1





#51

4-Methyl-2-Pentanone

Concen: 10.708 ug/l

RT: 8.61 min Scan# 1223

Delta R.T. -0.03 min

Lab File: VX011770.D

Acq: 22 Aug 2019 18:29

Instrument :

MSVOA_X

ClientSampleId :

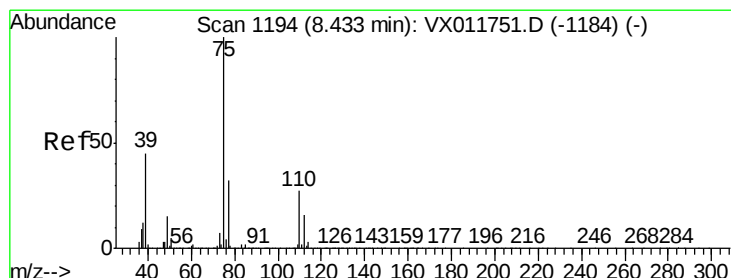
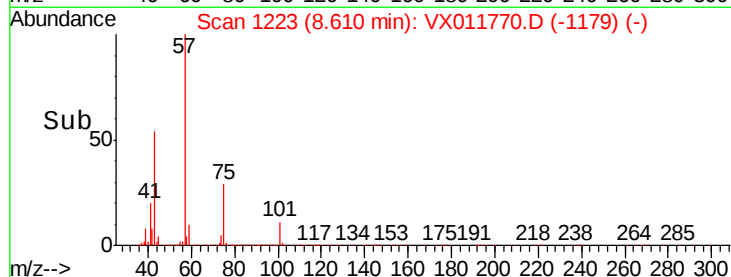
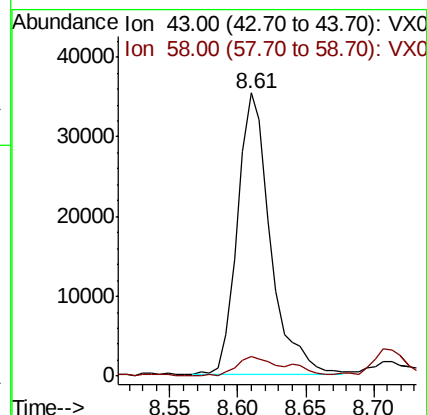
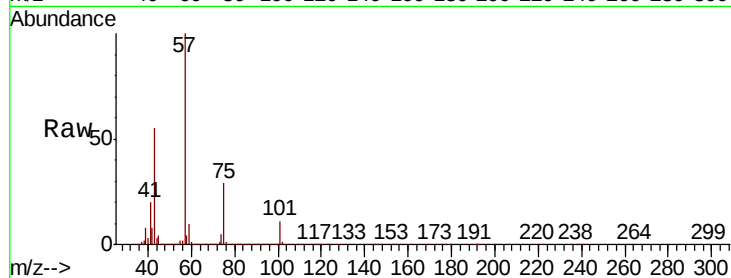
T6-E3-(0)

Tgt Ion: 43 Resp: 59072

Ion Ratio Lower Upper

43 100

58 8.0 31.8 47.6#



#54

cis-1,3-Dichloropropene

Concen: 5.063 ug/l

RT: 8.61 min Scan# 1223

Delta R.T. 0.18 min

Lab File: VX011770.D

Acq: 22 Aug 2019 18:29

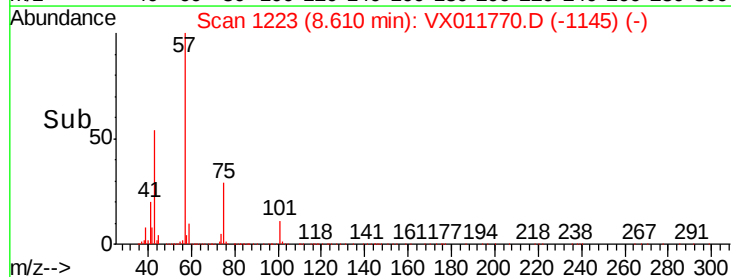
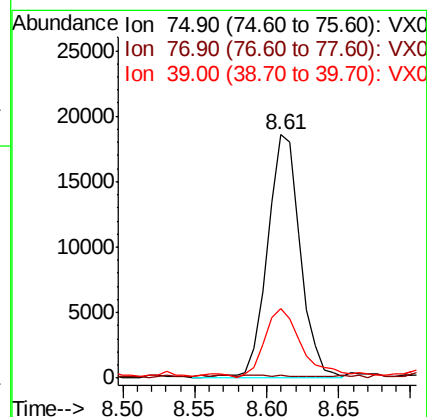
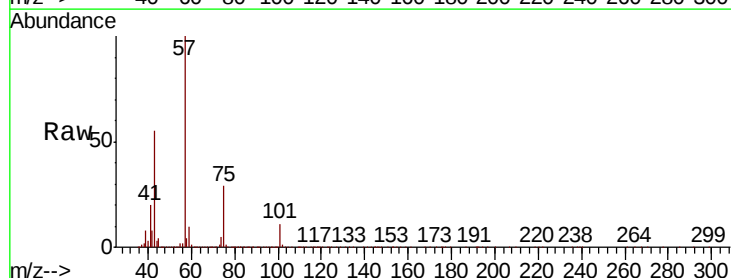
Tgt Ion: 75 Resp: 29251

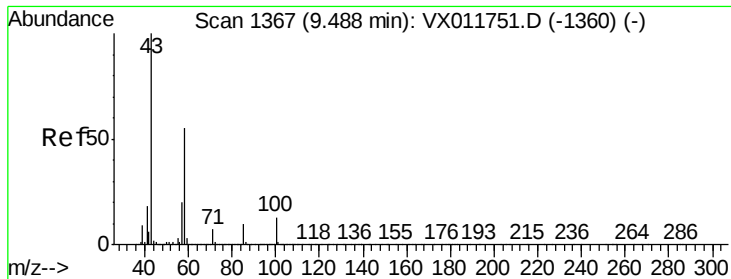
Ion Ratio Lower Upper

75 100

77 0.1 25.4 38.2#

39 28.0 36.2 54.4#

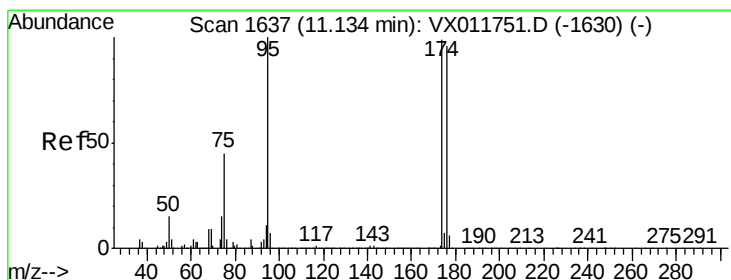
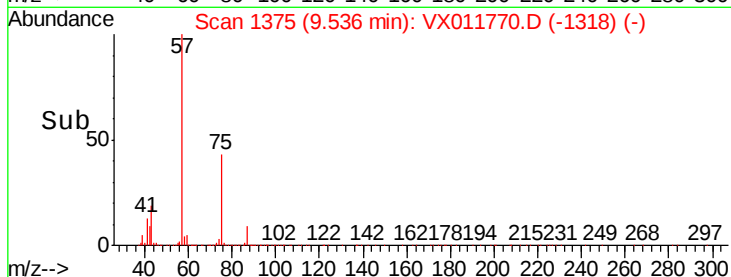
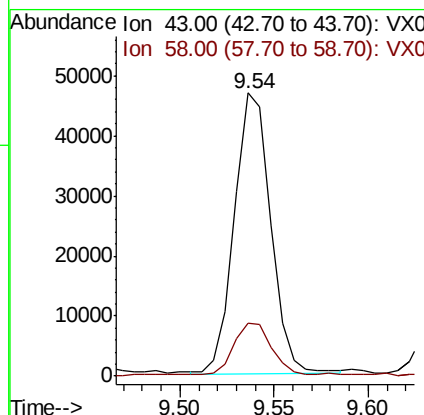
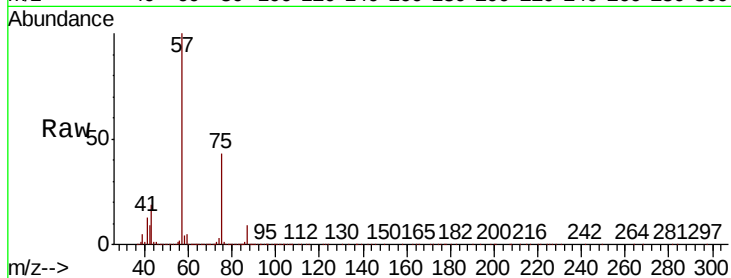




#59
2-Hexanone
Concen: 14.835 ug/l
RT: 9.54 min Scan# 1375
Delta R.T. 0.05 min
Lab File: VX011770.D
Acq: 22 Aug 2019 18:29

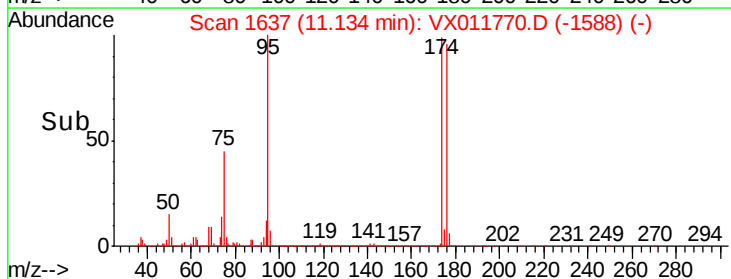
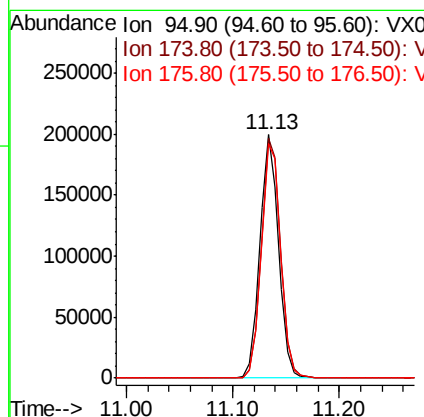
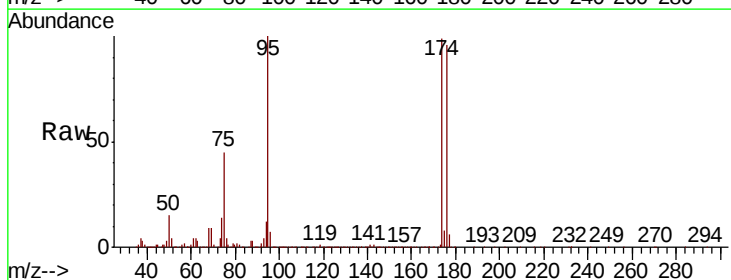
Instrument :
MSVOA_X
ClientSampled :
T6-E3-(0)

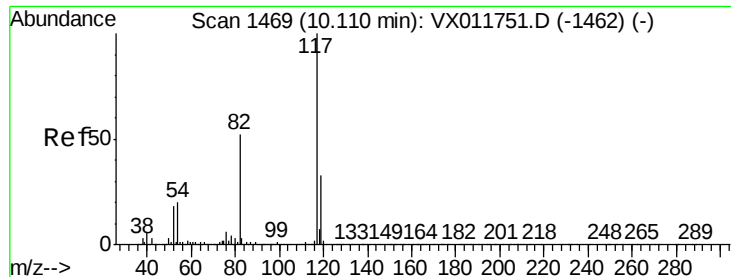
Tgt Ion: 43 Resp: 62816
Ion Ratio Lower Upper
43 100
58 20.8 27.7 83.1#



#62
4-Bromofluorobenzene
Concen: 44.092 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. -0.00 min
Lab File: VX011770.D
Acq: 22 Aug 2019 18:29

Tgt Ion: 95 Resp: 245030
Ion Ratio Lower Upper
95 100
174 101.9 0.0 197.4
176 100.0 0.0 194.4

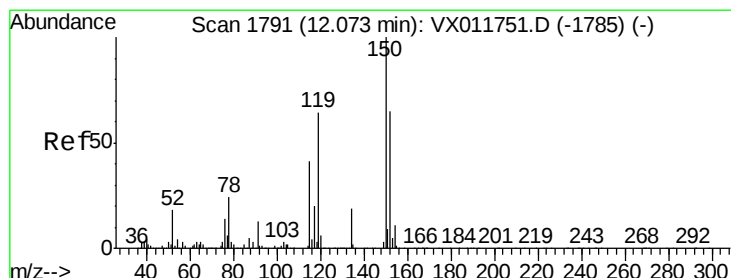
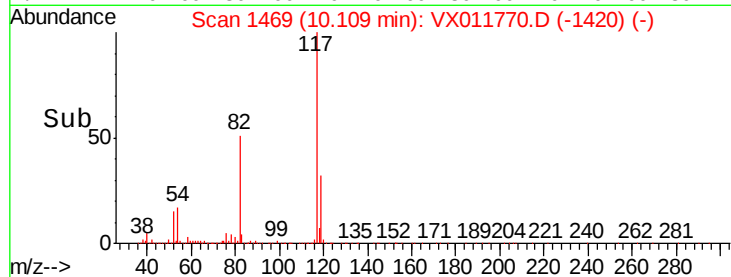
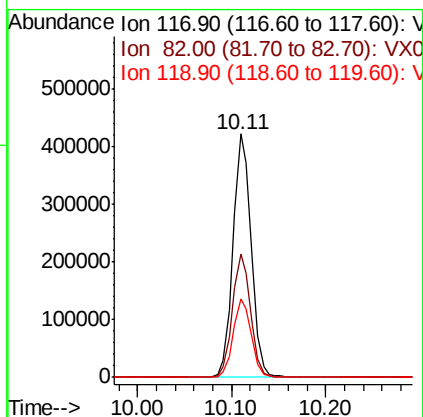
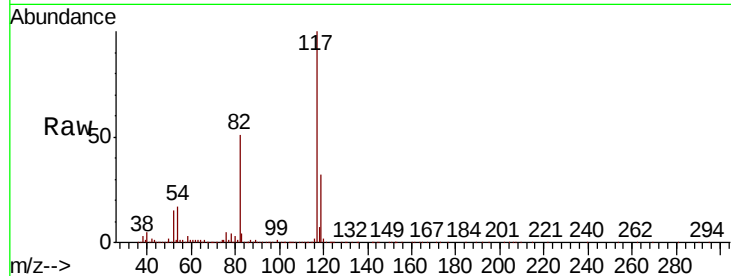




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX011770.D
Acq: 22 Aug 2019 18:29

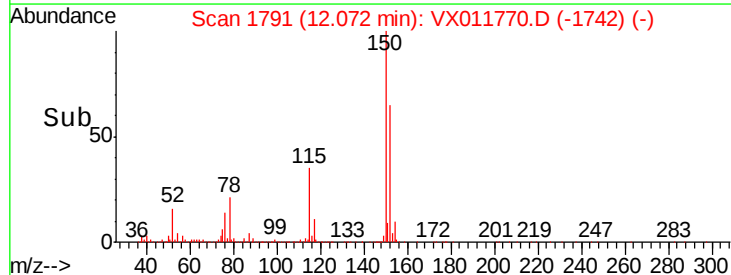
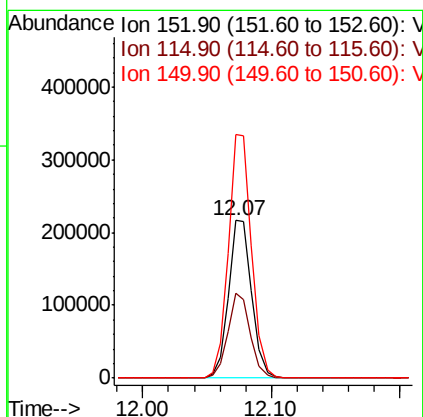
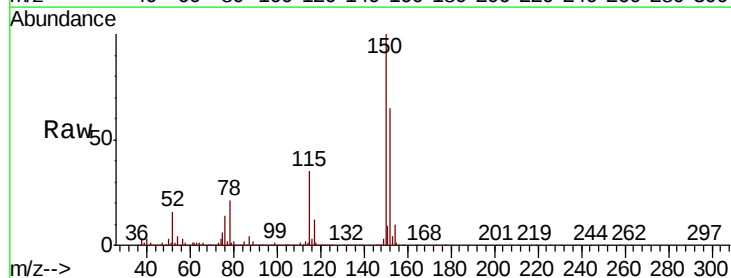
Instrument :
MSVOA_X
ClientSampled :
T6-E3-(0)

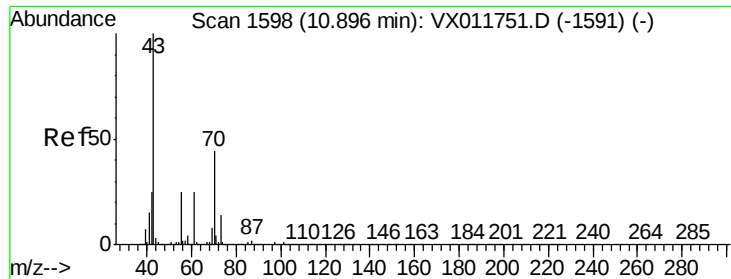
Tgt Ion:117 Resp: 564229
Ion Ratio Lower Upper
117 100
82 50.7 41.7 62.5
119 32.4 26.2 39.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1791
Delta R.T. -0.00 min
Lab File: VX011770.D
Acq: 22 Aug 2019 18:29

Tgt Ion:152 Resp: 273462
Ion Ratio Lower Upper
152 100
115 52.1 37.3 111.8
150 154.4 0.0 343.0





#74

N-ethyl acetate

Concen: 0.437 ug/l

RT: 10.83 min Scan# 1587

Delta R.T. -0.07 min

Lab File: VX011770.D

Acq: 22 Aug 2019 18:29

Instrument :

MSVOA_X

ClientSampled :

T6-E3-(0)

Tgt Ion: 43 Resp: 2786

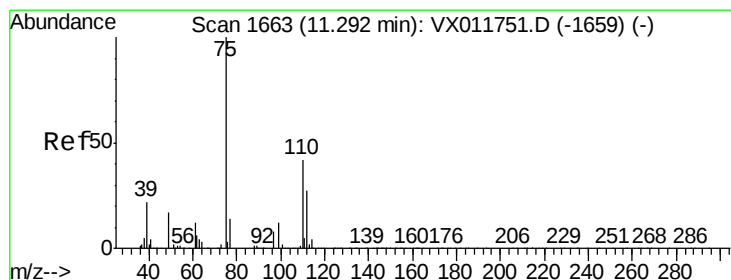
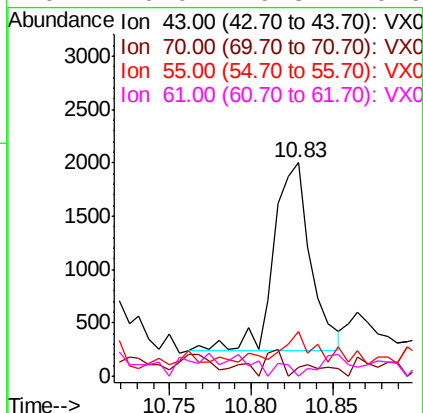
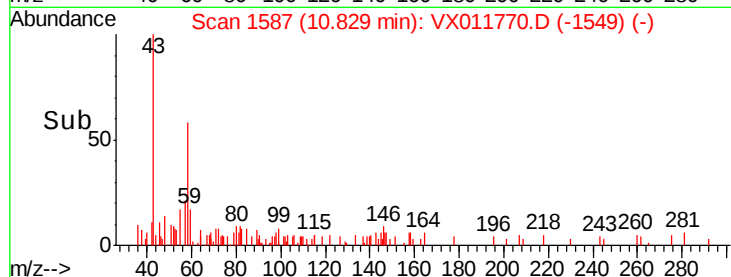
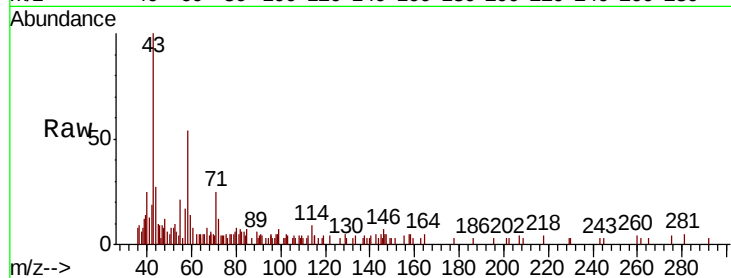
Ion Ratio Lower Upper

43 100

70 4.6 34.8 52.2#

55 15.8 19.5 29.3#

61 0.0 19.8 29.6#



#76

1,2,3-Trichloropropane

Concen: 23.042 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX011770.D

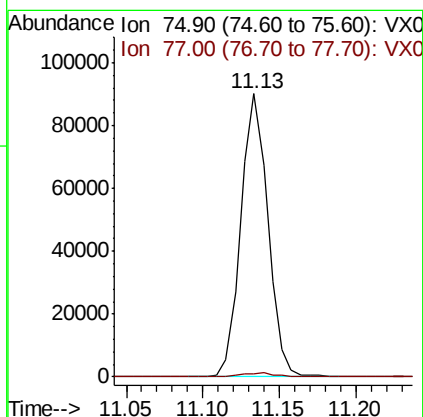
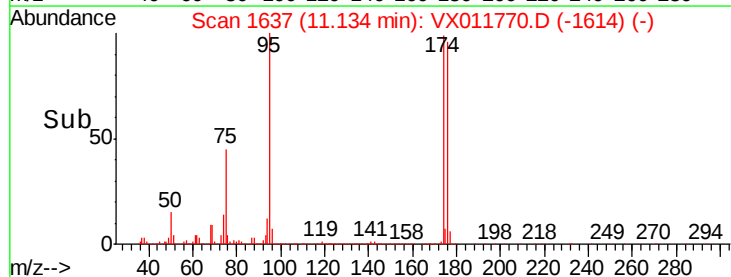
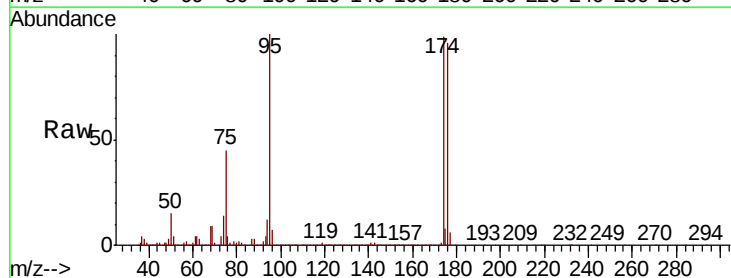
Acq: 22 Aug 2019 18:29

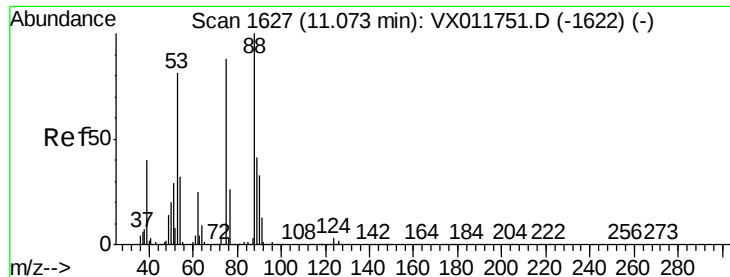
Tgt Ion: 75 Resp: 110564

Ion Ratio Lower Upper

75 100

77 1.7 21.1 63.3#





#81

trans-1,4-Dichloro-2-butene

Concen: 69.489 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX011770.D

Acq: 22 Aug 2019 18:29

Instrument :

MSVOA_X

ClientSampleId :

T6-E3-(0)

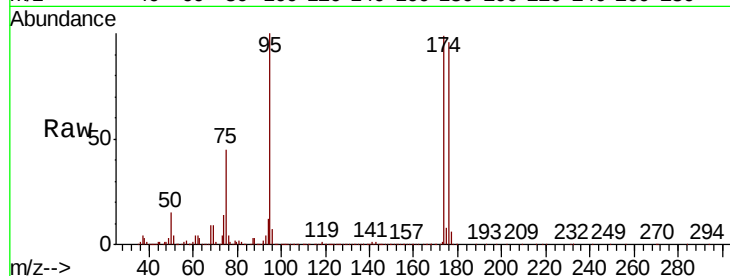
Tgt Ion: 75 Resp: 110564

Ion Ratio Lower Upper

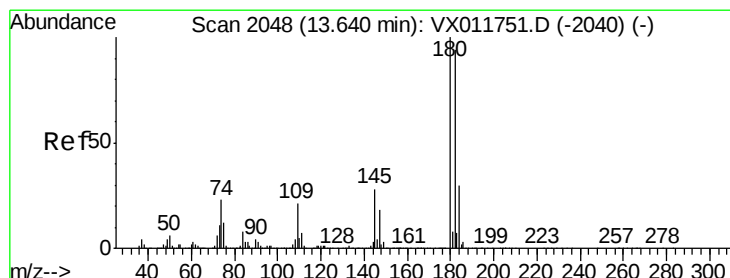
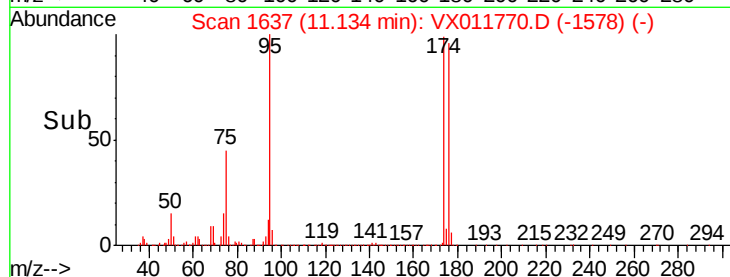
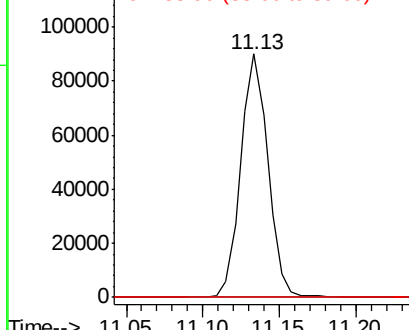
75 100

53 0.2 77.1 115.7#

89 0.2 38.5 57.7#



Abundance Ion 74.90 (74.60 to 75.60): VX0
Ion 53.00 (52.70 to 53.70): VX0
Ion 88.90 (88.60 to 89.60): VX0



#93

1,2,4-Trichlorobenzene

Concen: 0.203 ug/l

RT: 13.64 min Scan# 2048

Delta R.T. -0.00 min

Lab File: VX011770.D

Acq: 22 Aug 2019 18:29

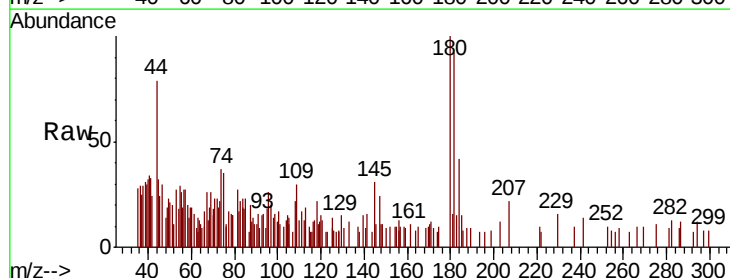
Tgt Ion: 180 Resp: 1262

Ion Ratio Lower Upper

180 100

182 86.8 47.8 143.4

145 41.0 14.1 42.3



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

