

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX082318\
 Data File : VX004227.D
 Acq On : 23 Aug 2018 15:26
 Operator : JC/MD
 Sample : J4579-10
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 FL-0561

Quant Time: Aug 24 09:40:29 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X082218W.M
 Quant Title : SW846 8260
 QLast Update : Thu Aug 23 05:39:44 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	339156	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	523370	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	457497	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	302419	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	211495	47.84	ug/l	0.00
Spiked Amount			Recovery	=	95.68%	
35) Dibromofluoromethane	5.50	113	181153	46.53	ug/l	0.00
Spiked Amount			Recovery	=	93.06%	
50) Toluene-d8	8.71	98	740079	50.36	ug/l	0.00
Spiked Amount			Recovery	=	100.72%	
62) 4-Bromofluorobenzene	11.14	95	272028	49.61	ug/l	0.00
Spiked Amount			Recovery	=	99.22%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	2947	0.96	ug/l	90
5) Bromomethane	1.65	94	1342	Below Cal		86
6) Chloroethane	1.68	64	244	1.04	ug/l #	44
10) Methyl Iodide	2.51	142	1096	4.50	ug/l #	90
11) Tert butyl alcohol	3.07	59	598	0.63	ug/l #	72
13) Acrolein	2.39	56	40504	178.30	ug/l #	72
14) Allyl chloride	2.84	41	71013	10.76	ug/l #	62
15) Acrylonitrile	3.17	53	19568	8.39	ug/l #	40
16) Acetone	2.45	43	39953	14.54	ug/l	100
17) Carbon Disulfide	2.56	76	1400	0.94	ug/l	97
18) Methyl Acetate	2.84	43	185528	28.28	ug/l #	51
25) 2-Butanone	4.70	43	20131	4.00	ug/l	93
26) 2,2-Dichloropropane	4.39	77	6653	1.18	ug/l #	52
29) Tetrahydrofuran	5.23	42	3076	1.62	ug/l #	1
30) Chloroform	5.27	83	4185	0.58	ug/l #	48
31) Cyclohexane	5.57	56	503362	81.22	ug/l	98
36) 1,1-Dichloropropene	5.66	75	22070	3.75	ug/l #	50
37) Ethyl Acetate	4.70	43	20131	3.48	ug/l #	67
38) Carbon Tetrachloride	5.67	117	29951	5.41	ug/l #	15
39) Methylcyclohexane	7.46	83	906841	134.99	ug/l	98
41) Methacrylonitrile	5.06	41	1051	0.31	ug/l #	23
43) Isopropyl Acetate	6.46	43	9067	1.02	ug/l #	63
45) 1,2-Dichloropropane	7.46	63	8023	1.82	ug/l #	1
47) Bromodichloromethane	7.85	83	2318	0.43	ug/l #	1
48) Methyl methacrylate	7.73	41	56237	11.82	ug/l #	49
51) 4-Methyl-2-Pentanone	8.66	43	14151	2.19	ug/l #	44
55) 1,1,2-Trichloroethane	9.16	97	69081	15.55	ug/l #	20
56) Ethyl methacrylate	9.16	69	14404	2.38	ug/l #	1
67) Ethyl Benzene	10.26	91	5390127	289.06	ug/l	94
68) m/p-Xylenes	10.37	106	3195375	438.24	ug/l	95
69) o-Xylene	10.70	106	2473811	358.68	ug/l	94
70) Styrene	10.70	104	120265	10.77	ug/l #	1
73) Isopropylbenzene	11.02	105	1191701	60.00	ug/l	98
74) N-amyl acetate	10.91	43	3386	0.44	ug/l #	1

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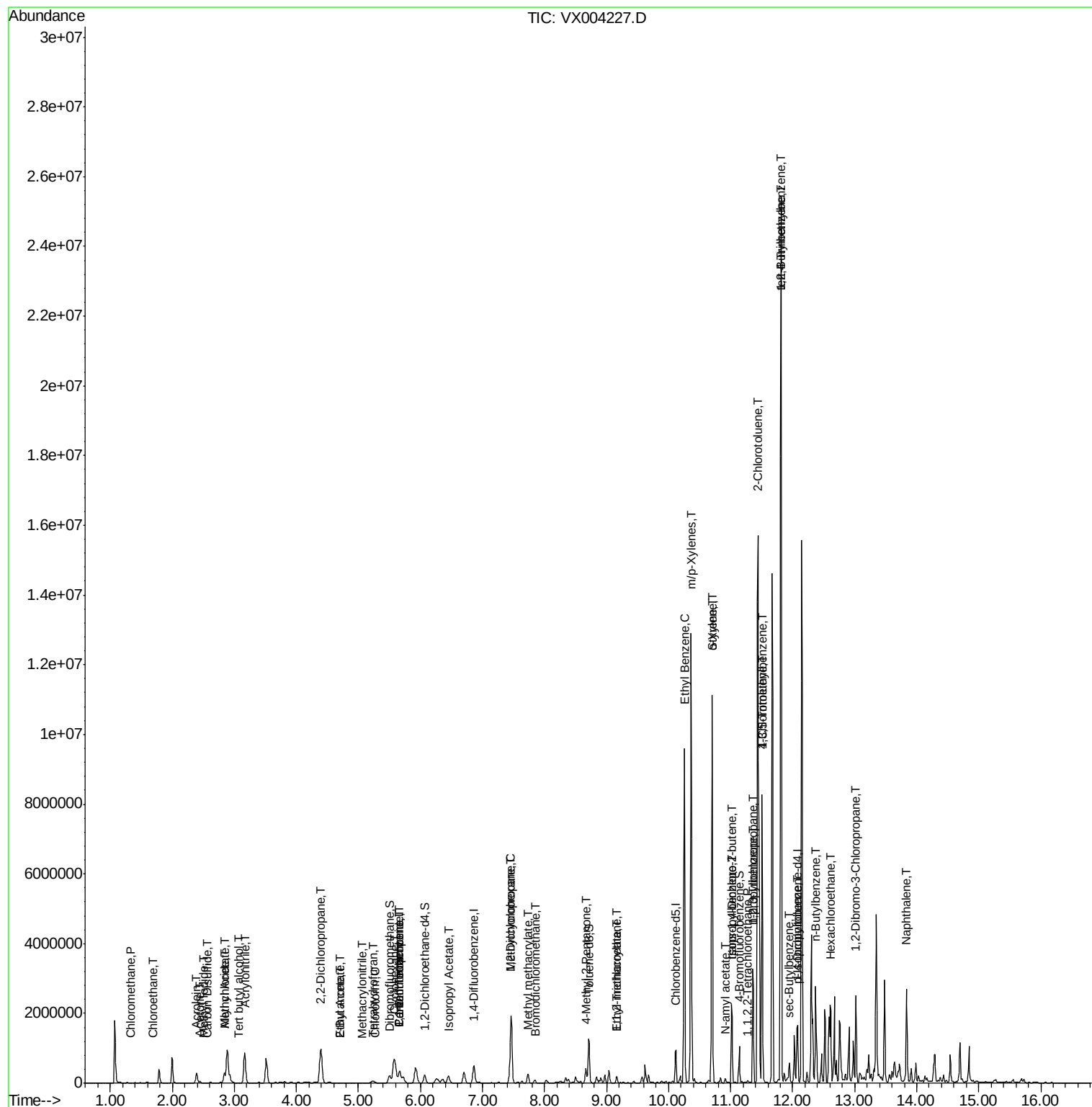
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
75) 1,1,2,2-Tetrachloroethane	11.28	83	3382	0.49	ug/l #	25
76) 1,2,3-Trichloropropane	11.36	75	11099	1.80	ug/l #	1
78) n-propylbenzene	11.36	91	1963276	85.94	ug/l	100
79) 2-Chlorotoluene	11.44	91	1430966	101.77	ug/l #	39
80) 1,3,5-Trimethylbenzene	11.51	105	3660001	222.51	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.02	75	12949	6.83	ug/l #	66
82) 4-Chlorotoluene	11.51	91	380667	23.01	ug/l #	44
83) tert-Butylbenzene	11.81	119	1551065	93.72	ug/l #	63
84) 1,2,4-Trimethylbenzene	11.81	105	10045355	594.94	ug/l	88
85) sec-Butylbenzene	11.94	105	301617	15.35	ug/l	87
86) p-Isopropyltoluene	12.07	119	371780	21.11	ug/l	100
89) n-Butylbenzene	12.38	91	358165	25.01	ug/l #	14
90) Hexachloroethane	12.61	117	85086	34.57	ug/l #	3
92) 1,2-Dibromo-3-Chloropropan	13.02	75	6874	5.61	ug/l #	1
94) Hexachlorobutadiene	13.79	225	240	Below	Cal	87
95) Naphthalene	13.83	128	1628173	82.52	ug/l	99

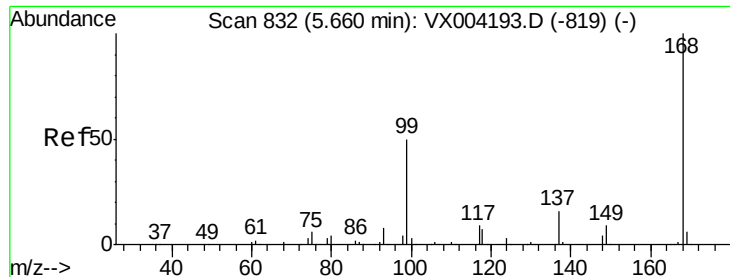
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 833

Delta R.T. 0.01 min

Lab File: VX004227.D

Acq: 23 Aug 2018 15:26

Instrument :

MSVOA_X

ClientSampled :

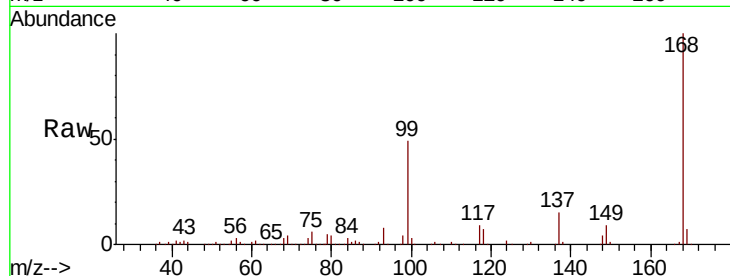
FL-0561

Tot Ion:168 Resp: 339156

Ion Ratio Lower Upper

168 100

99 49.2 39.9 59.9



Abundance Ion 167.90 (167.60 to 168.60): VX004193.D (-819) (-)

Ion 98.90 (98.60 to 99.60): VX004193.D (-819) (-)

5.67

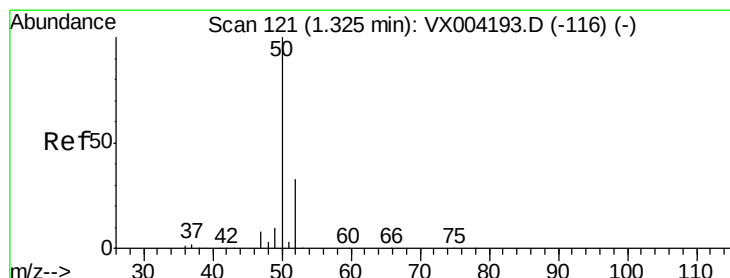
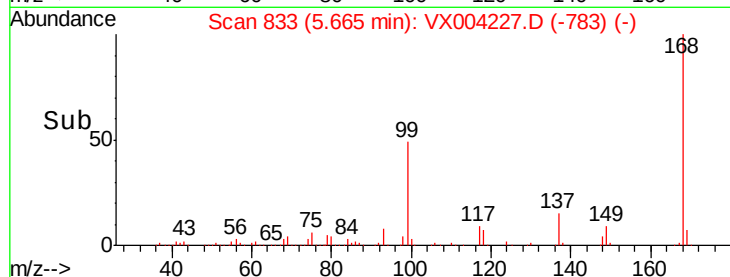
100000

50000

0

Time-->

5.50 5.60 5.70 5.80



#3

Chloromethane

Concen: 0.96 ug/l

RT: 1.32 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX004227.D

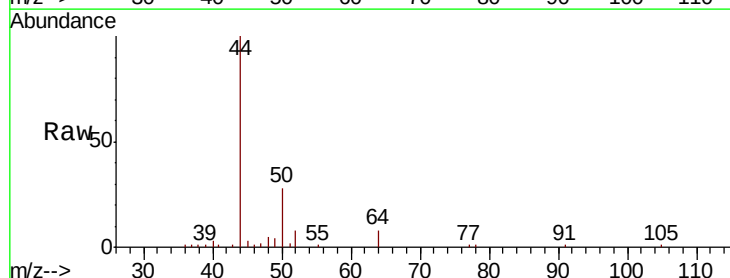
Acq: 23 Aug 2018 15:26

Tgt Ion: 50 Resp: 2947

Ion Ratio Lower Upper

50 100

52 26.9 26.2 39.2



Abundance Ion 49.90 (49.60 to 50.60): VX004193.D (-116) (-)

Ion 51.90 (51.60 to 52.60): VX004193.D (-116) (-)

1.32

2500

2000

1500

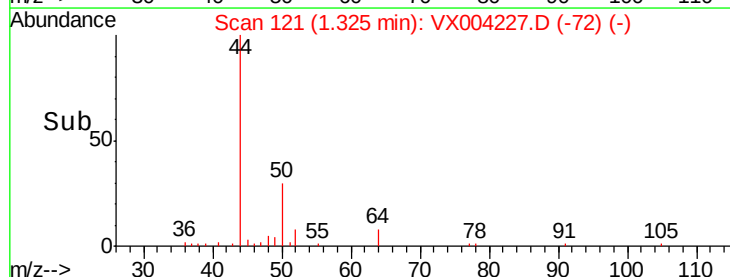
1000

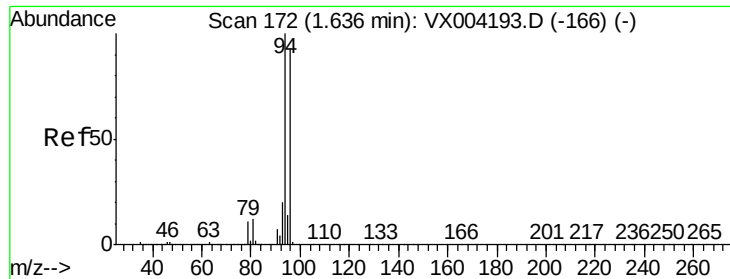
500

0

Time-->

1.30 1.35





#5

Bromomethane

Concen: Below Cal

RT: 1.65 min Scan# 175

Delta R.T. 0.02 min

Lab File: VX004227.D

Acq: 23 Aug 2018 15:26

Instrument :

MSVOA_X

ClientSampled :

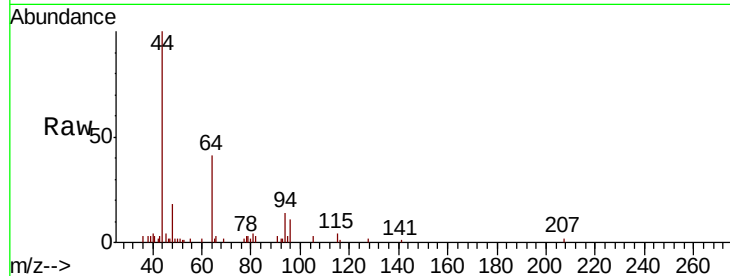
FL-0561

Tot Ion: 94 Resp: 1342

Ion Ratio Lower Upper

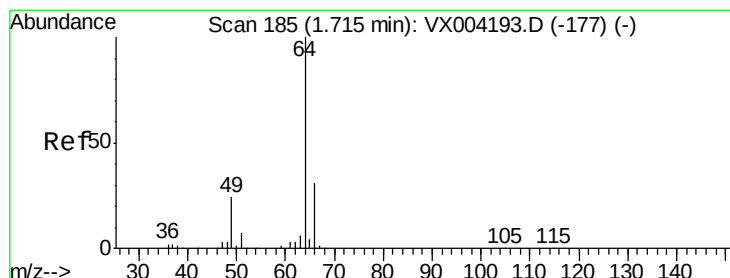
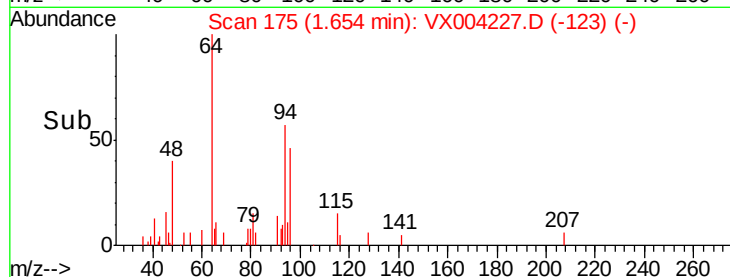
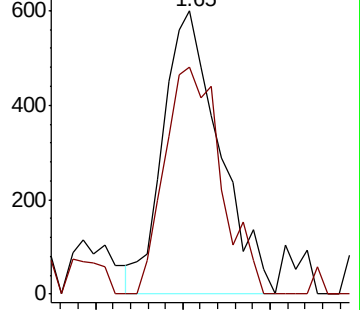
94 100

96 80.1 74.5 111.7



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 1.04 ug/l

RT: 1.68 min Scan# 180

Delta R.T. -0.03 min

Lab File: VX004227.D

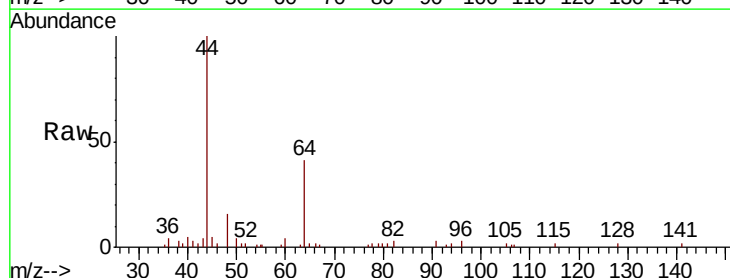
Acq: 23 Aug 2018 15:26

Tgt Ion: 64 Resp: 244

Ion Ratio Lower Upper

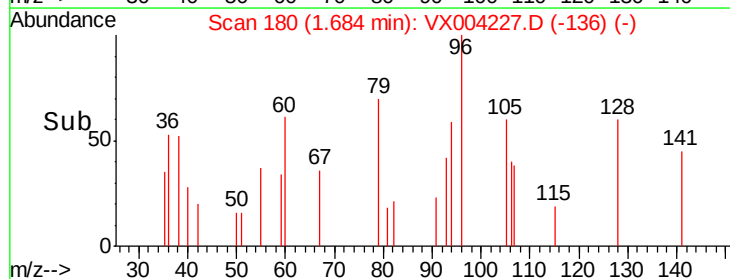
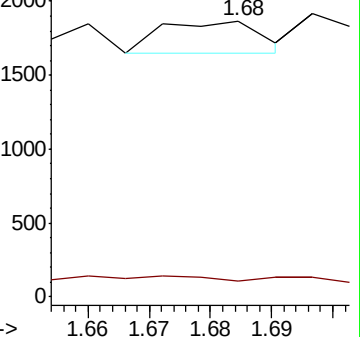
64 100

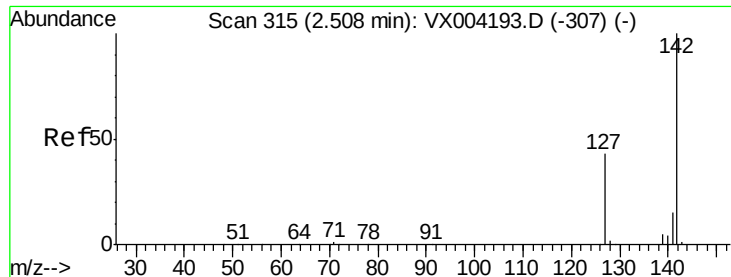
66 0.0 24.6 36.8#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

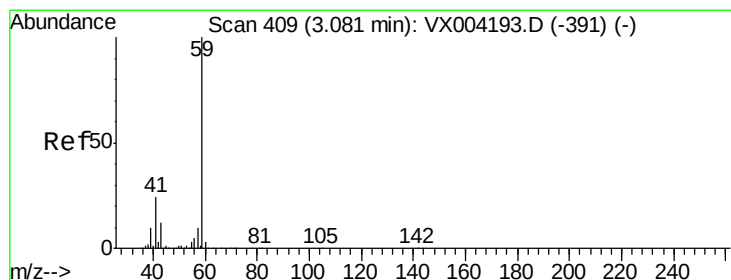
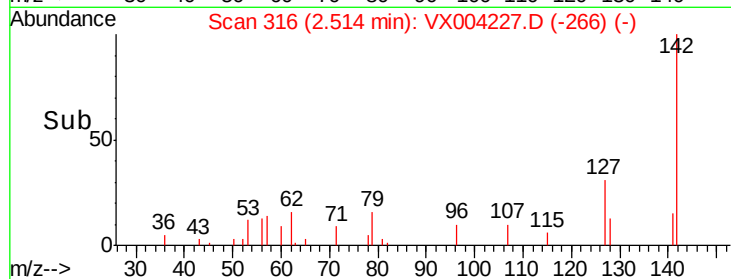
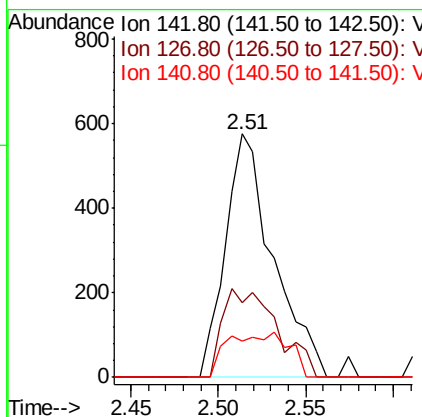
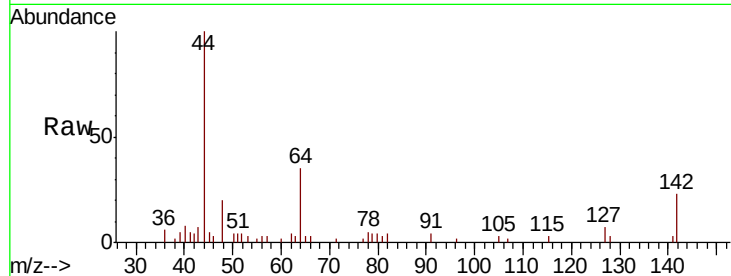




#10
Methvl Iodide
Concen: 4.50 ug/l
RT: 2.51 min Scan# 316
Delta R.T. 0.01 min
Lab File: VX004227.D
Acq: 23 Aug 2018 15:26

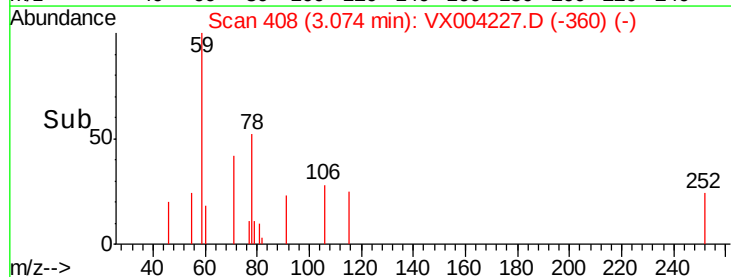
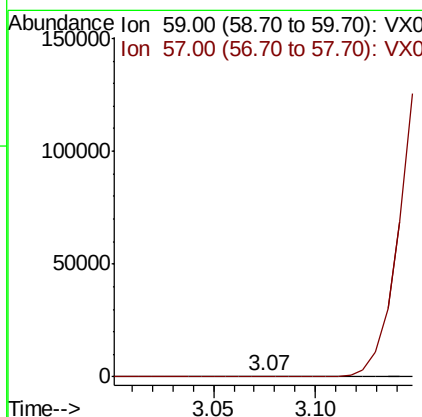
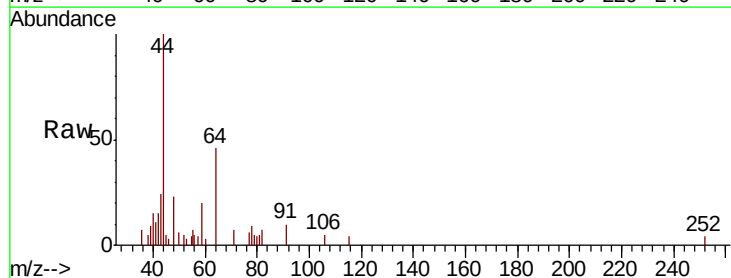
Instrument :
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ClientSampleId :
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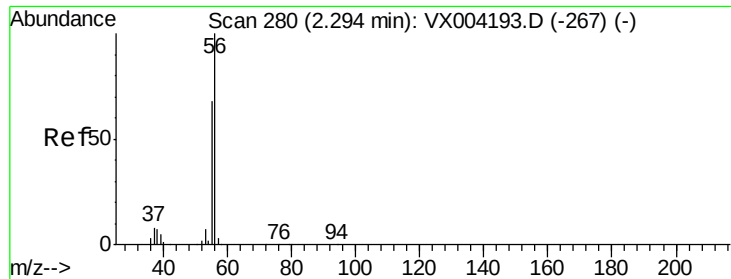
Tot Ion:142 Resp: 1096
Ion Ratio Lower Upper
142 100
127 41.2 33.8 50.6
141 0.0 11.4 17.0#



#11
Tert butyl alcohol
Concen: 0.63 ug/l
RT: 3.07 min Scan# 408
Delta R.T. -0.01 min
Lab File: VX004227.D
Acq: 23 Aug 2018 15:26

Tgt Ion: 59 Resp: 598
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#





#13

Acrolein

Concen: 178.30 ug/l

RT: 2.39 min Scan# 296

Delta R.T. 0.10 min

Lab File: VX004227.D

Acq: 23 Aug 2018 15:26

Instrument :

MSVOA_X

ClientSampleId :

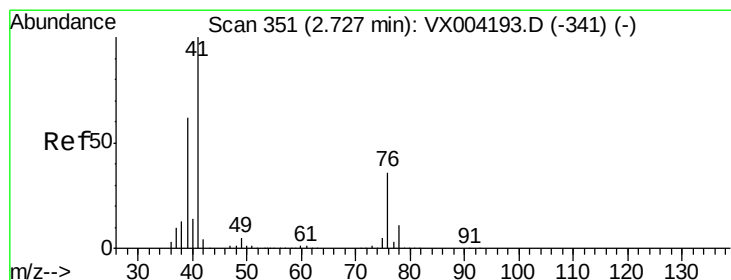
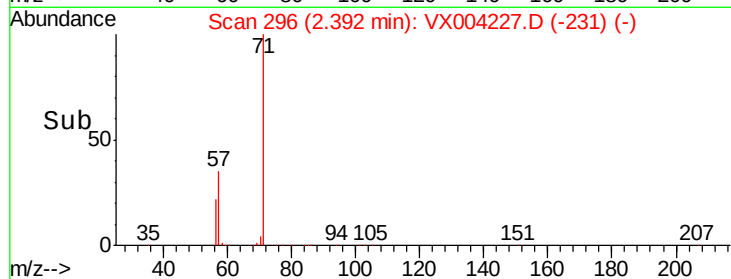
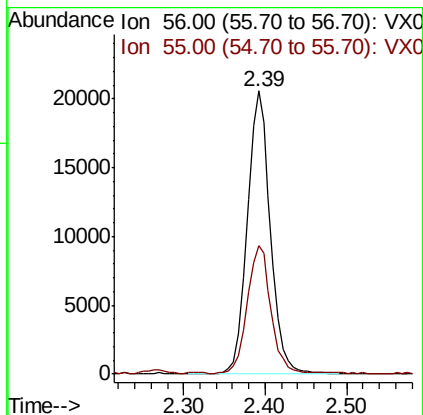
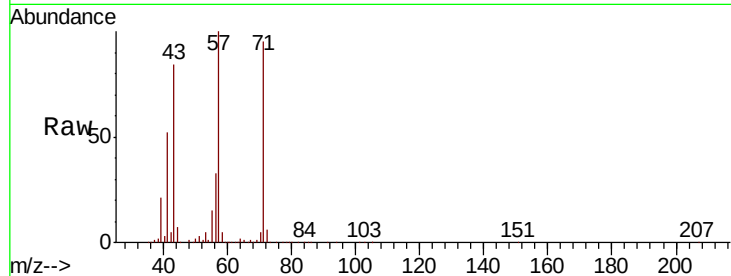
FL-0561

Tot Ion: 56 Resp: 40504

Ion Ratio Lower Upper

56 100

55 45.8 54.7 82.1#



#14

Allyl chloride

Concen: 10.76 ug/l

RT: 2.84 min Scan# 370

Delta R.T. 0.12 min

Lab File: VX004227.D

Acq: 23 Aug 2018 15:26

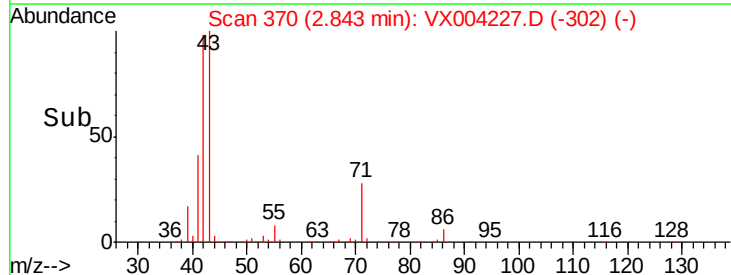
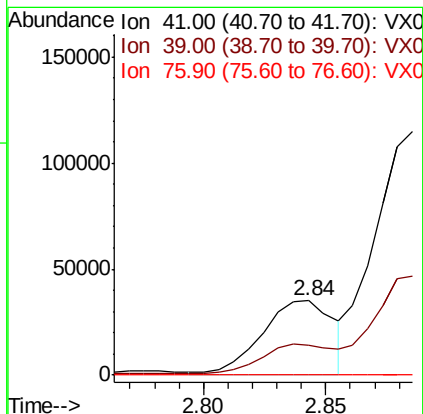
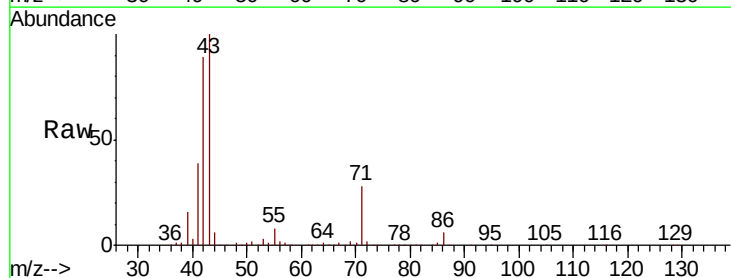
Tgt Ion: 41 Resp: 71013

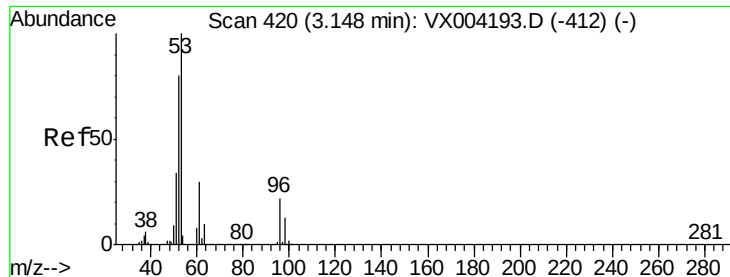
Ion Ratio Lower Upper

41 100

39 40.8 48.9 73.3#

76 0.0 26.7 40.1#





#15

Acrylonitrile

Concen: 8.39 ug/l

RT: 3.17 min Scan# 423

Delta R.T. 0.02 min

Lab File: VX004227.D

Acq: 23 Aug 2018 15:26

Instrument :

MSVOA_X

ClientSampled :

FL-0561

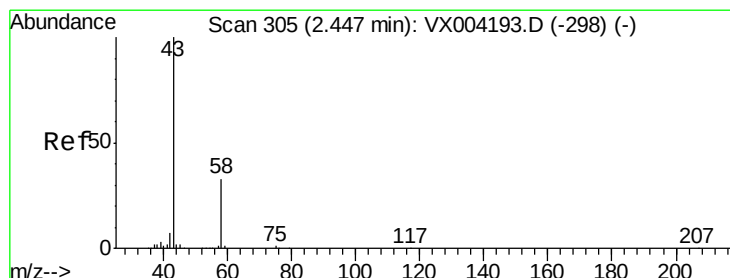
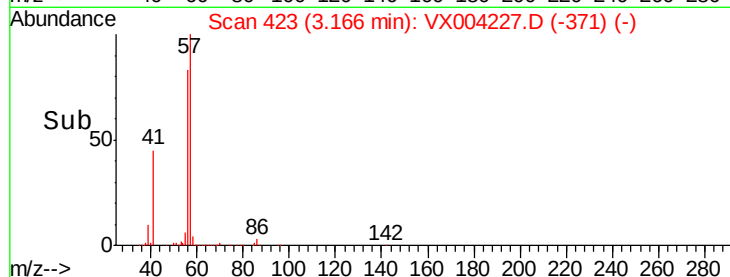
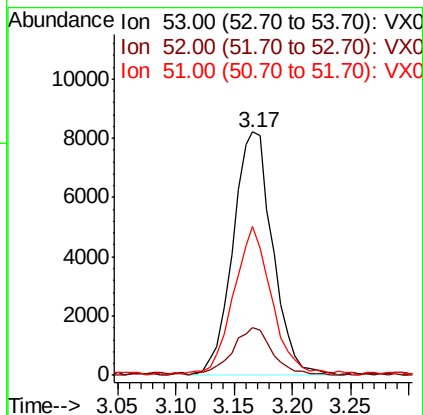
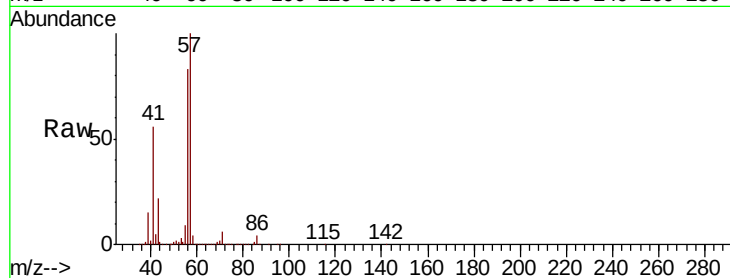
Tot Ion: 53 Resp: 19568

Ion Ratio Lower Upper

53 100

52 20.2 65.2 97.8#

51 59.1 28.2 42.2#



#16

Acetone

Concen: 14.54 ug/l

RT: 2.45 min Scan# 305

Delta R.T. 0.00 min

Lab File: VX004227.D

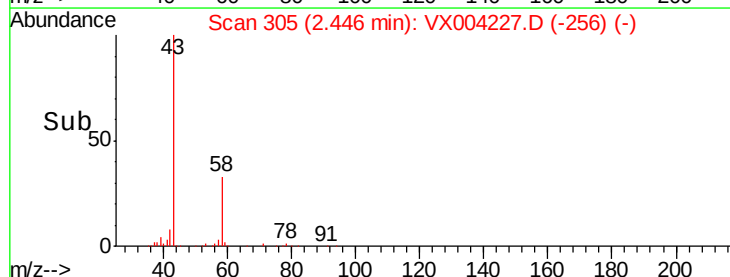
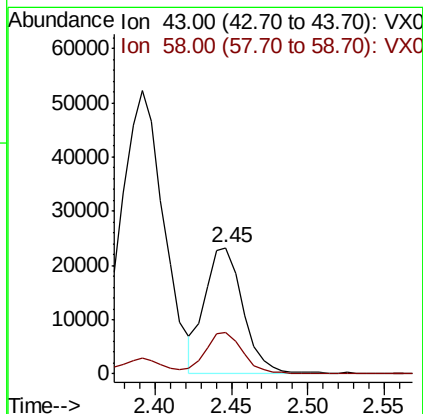
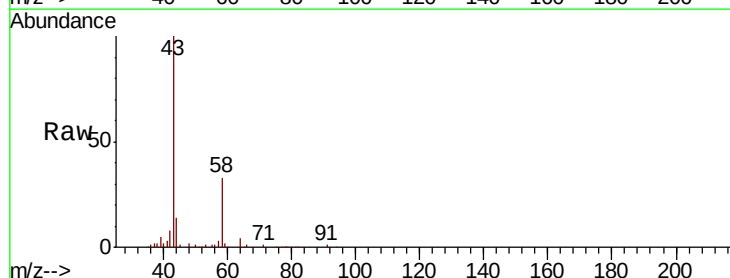
Acq: 23 Aug 2018 15:26

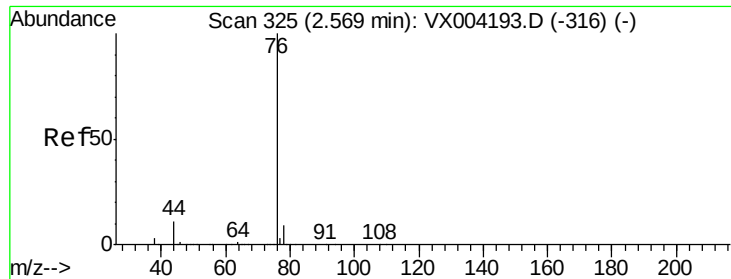
Tgt Ion: 43 Resp: 39953

Ion Ratio Lower Upper

43 100

58 32.7 26.2 39.4

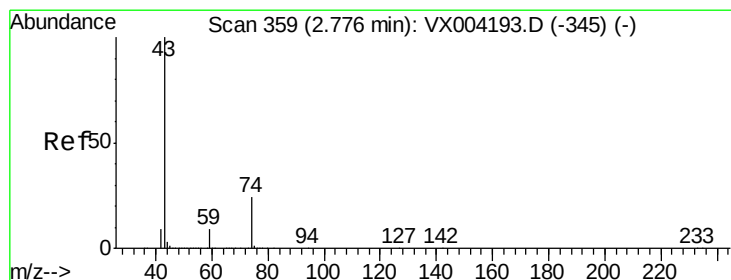
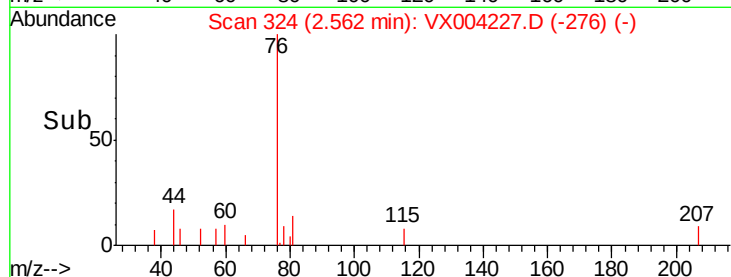
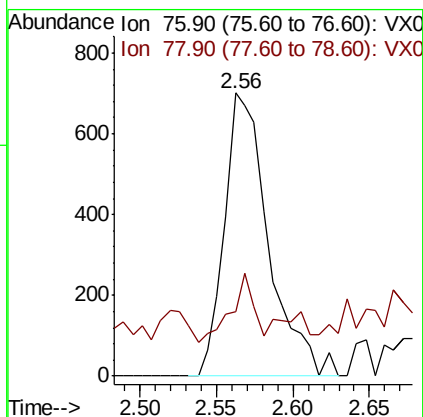
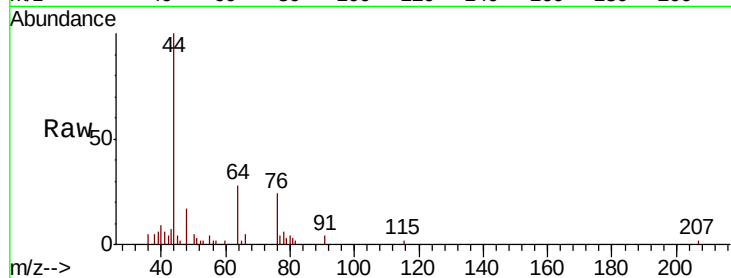




#17
Carbon Disulfide
Concen: 0.94 ug/l
RT: 2.56 min Scan# 324
Delta R.T. -0.01 min
Lab File: VX004227.D
Acq: 23 Aug 2018 15:26

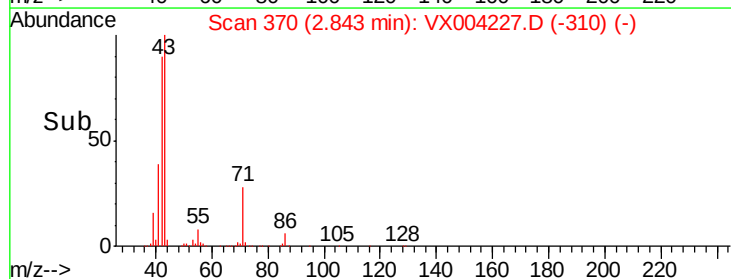
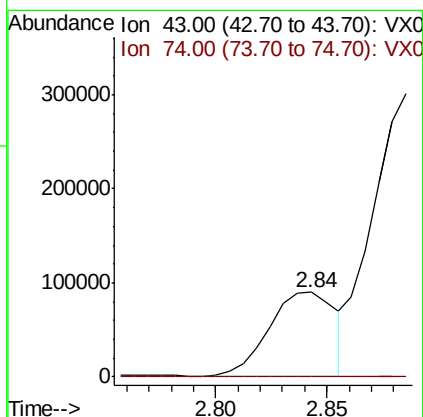
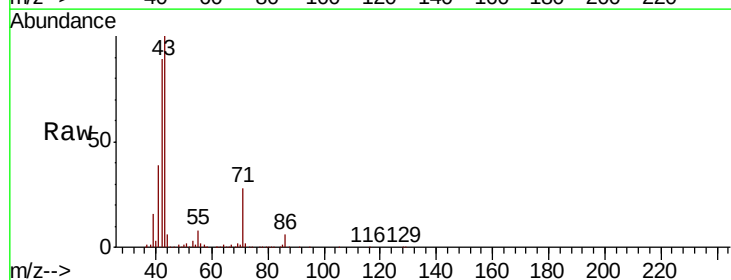
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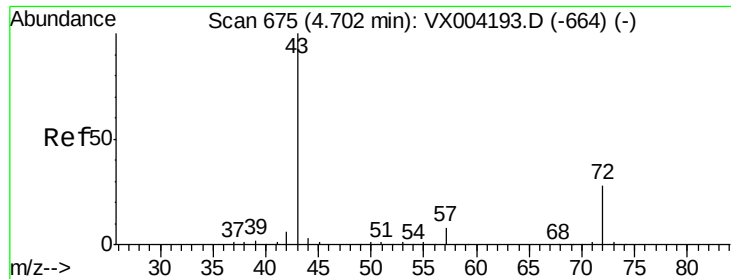
Tot Ion: 76 Resp: 1400
Ion Ratio Lower Upper
76 100
78 7.8 7.0 10.6



#18
Methyl Acetate
Concen: 28.28 ug/l
RT: 2.84 min Scan# 370
Delta R.T. 0.07 min
Lab File: VX004227.D
Acq: 23 Aug 2018 15:26

Tgt Ion: 43 Resp: 185528
Ion Ratio Lower Upper
43 100
74 0.0 19.4 29.2#





#25

2-Butanone

Concen: 4.00 ug/l

RT: 4.70 min Scan# 675

Delta R.T. 0.00 min

Lab File: VX004227.D

Acq: 23 Aug 2018 15:26

Instrument :

MSVOA_X

ClientSampleId :

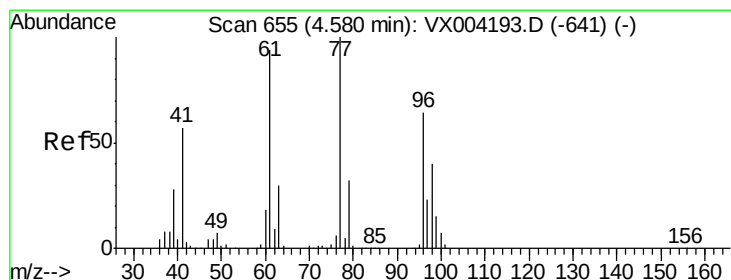
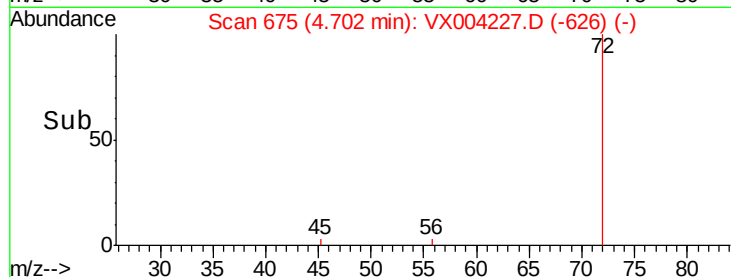
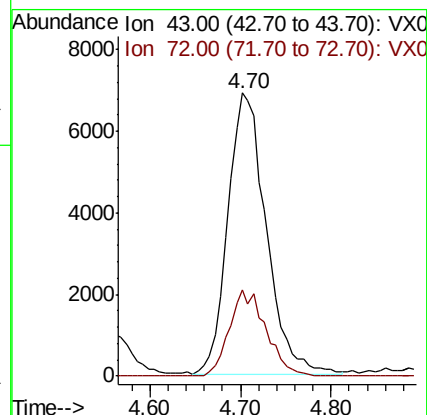
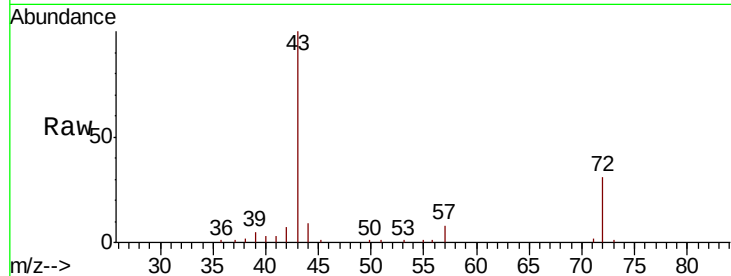
FL-0561

Tot Ion: 43 Resp: 20131

Ion Ratio Lower Upper

43 100

72 30.9 22.0 33.0



#26

2,2-Dichloropropane

Concen: 1.18 ug/l

RT: 4.39 min Scan# 624

Delta R.T. -0.19 min

Lab File: VX004227.D

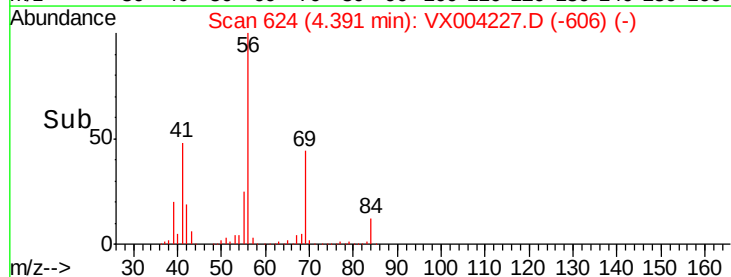
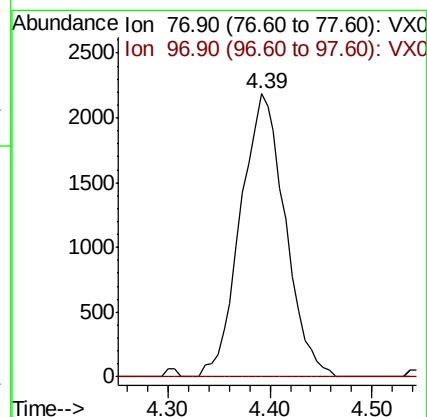
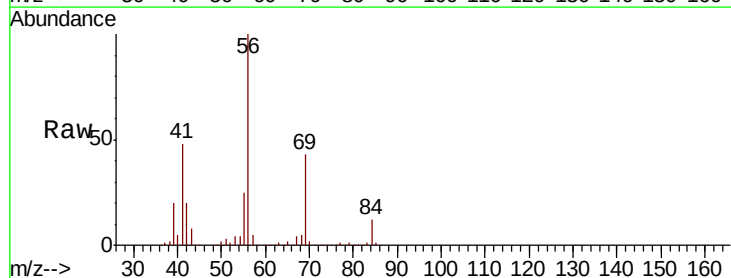
Acq: 23 Aug 2018 15:26

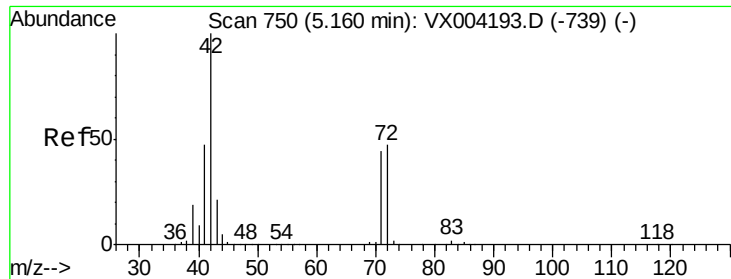
Tgt Ion: 77 Resp: 6653

Ion Ratio Lower Upper

77 100

97 0.0 11.7 35.0#

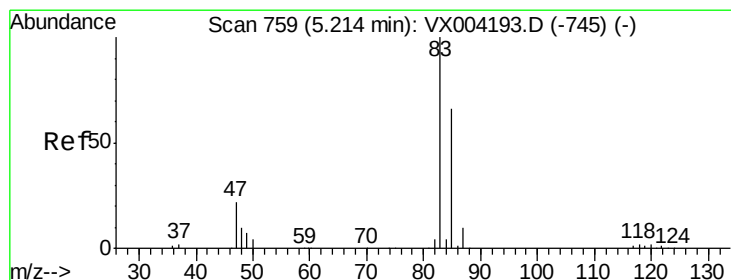
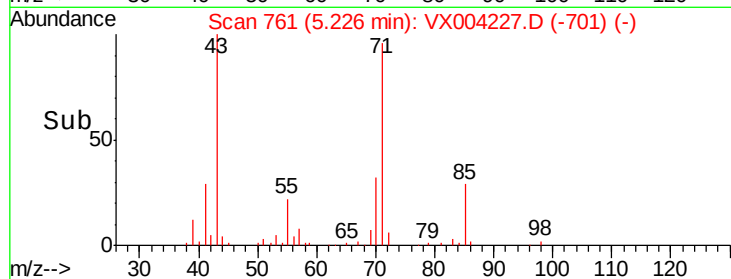
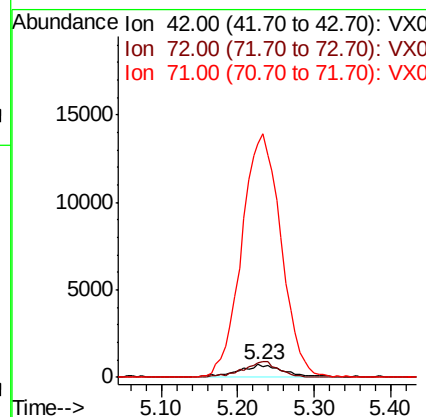
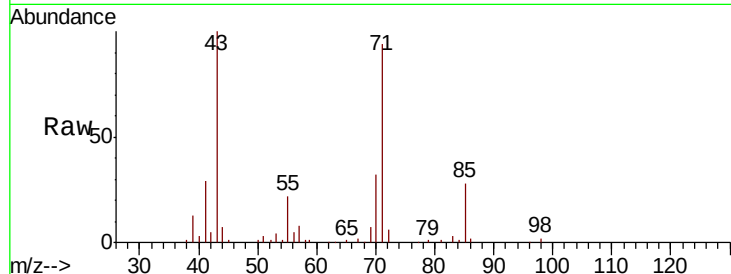




#29
Tetrahydrofuran
Concen: 1.62 ug/l
RT: 5.23 min Scan# 761
Delta R.T. 0.07 min
Lab File: VX004227.D
Acq: 23 Aug 2018 15:26

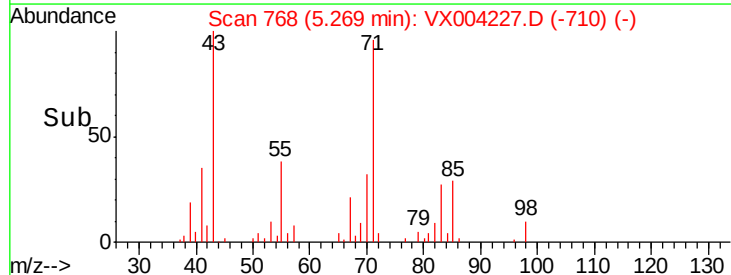
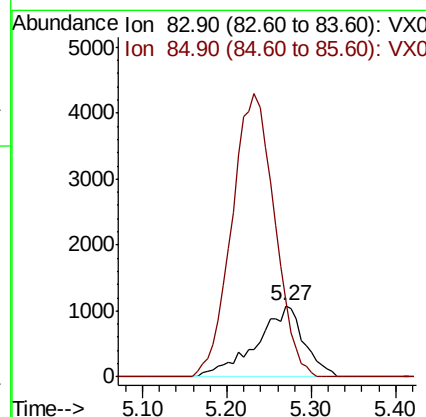
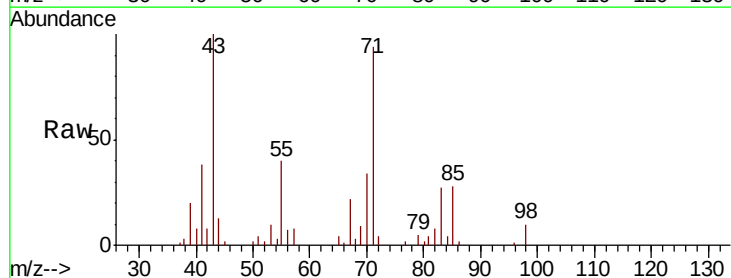
Instrument :
MSVOA_X
ClientSampled :
FL-0561

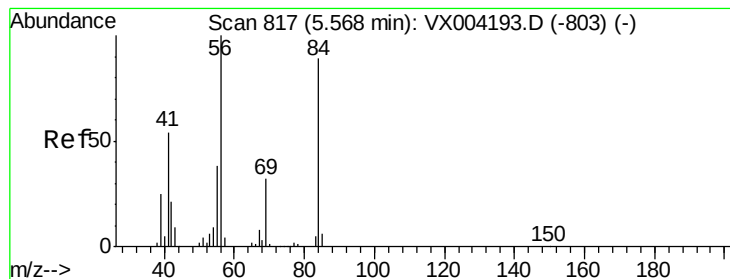
Tot Ion: 42 Resp: 3076
Ion Ratio Lower Upper
42 100
72 96.0 37.4 56.0#
71 1621.9 34.5 51.7#



#30
Chloroform
Concen: 0.58 ug/l
RT: 5.27 min Scan# 768
Delta R.T. 0.05 min
Lab File: VX004227.D
Acq: 23 Aug 2018 15:26

Tgt Ion: 83 Resp: 4185
Ion Ratio Lower Upper
83 100
85 107.2 52.6 79.0#





#31

Cyclohexane

Concen: 81.22 ug/l

RT: 5.57 min Scan# 818

Delta R.T. 0.01 min

Lab File: VX004227.D

Acq: 23 Aug 2018 15:26

Instrument :

MSVOA_X

ClientSampleId :

FL-0561

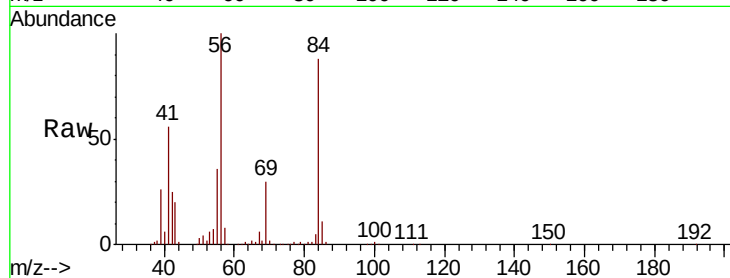
Tot Ion: 56 Resp: 503362

Ion Ratio Lower Upper

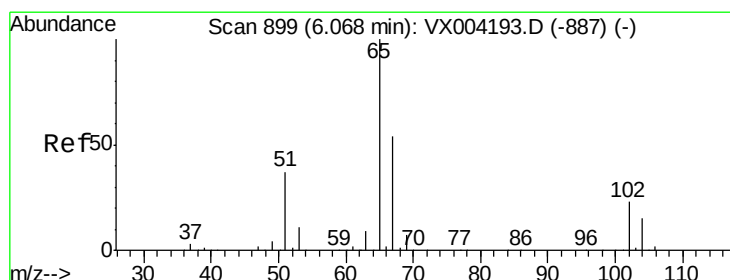
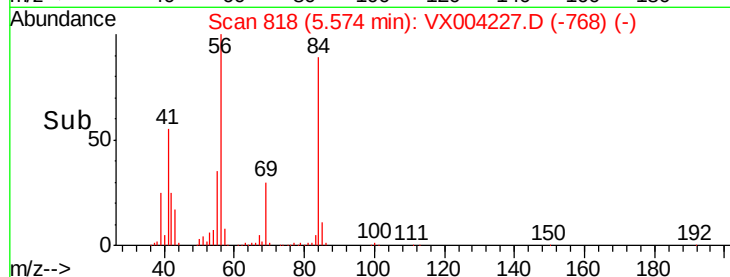
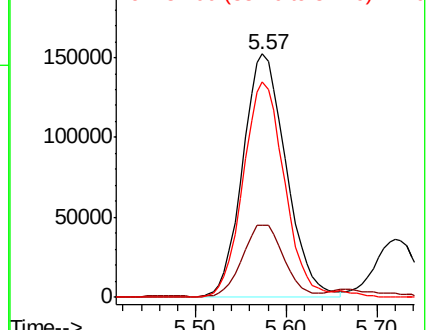
56 100

69 29.5 25.4 38.2

84 88.6 71.4 107.2



Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 84.00 (83.70 to 84.70): VX0



#33

1,2-Dichloroethane-d4

Concen: 47.84 ug/l

RT: 6.07 min Scan# 899

Delta R.T. -0.00 min

Lab File: VX004227.D

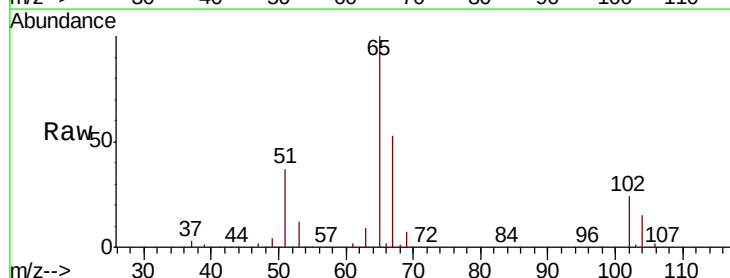
Acq: 23 Aug 2018 15:26

Tgt Ion: 65 Resp: 211495

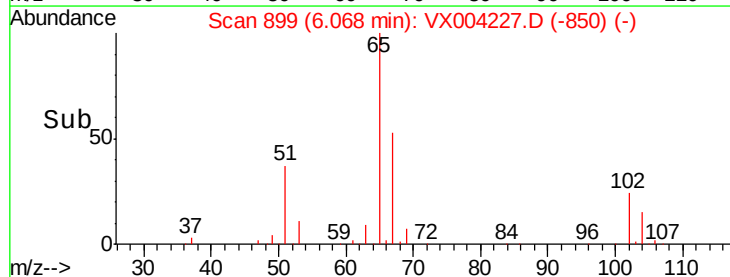
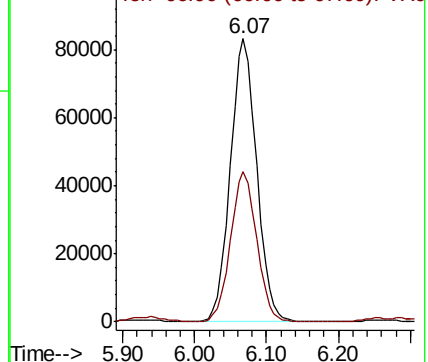
Ion Ratio Lower Upper

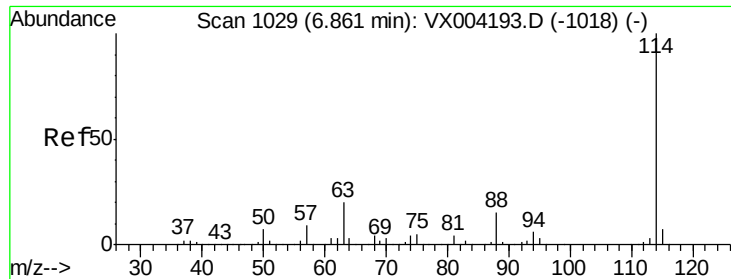
65 100

67 53.1 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# 1029

Delta R.T. -0.00 min

Lab File: VX004227.D

Acq: 23 Aug 2018 15:26

Instrument :

MSVOA_X

ClientSampleId :

FL-0561

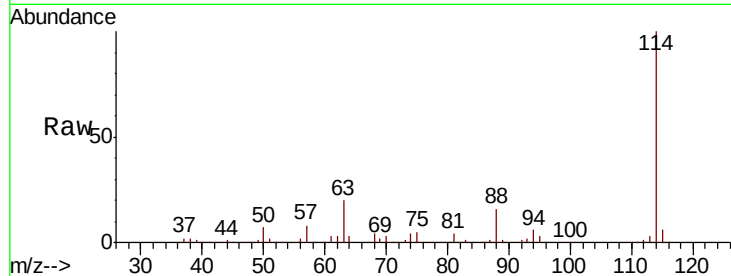
Tot Ion:114 Resp: 523370

Ion Ratio Lower Upper

114 100

63 19.6 0.0 39.0

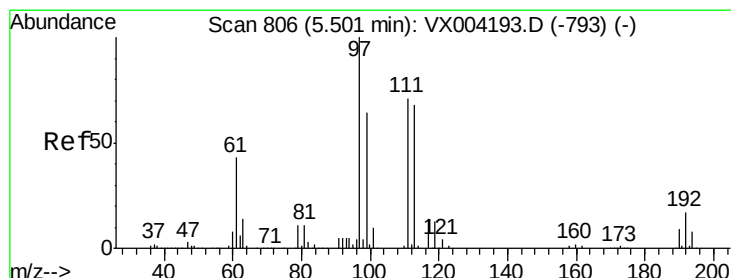
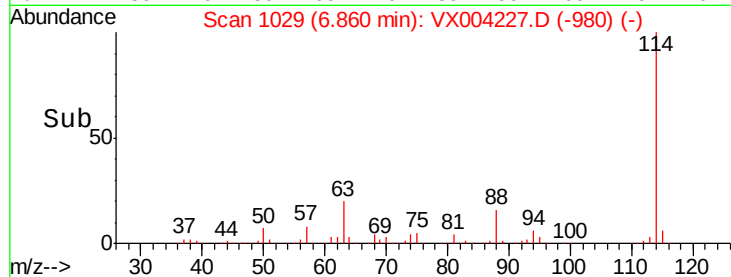
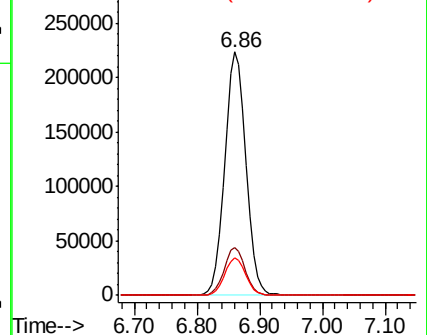
88 15.6 0.0 30.4



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: 46.53 ug/l

RT: 5.50 min Scan# 806

Delta R.T. -0.00 min

Lab File: VX004227.D

Acq: 23 Aug 2018 15:26

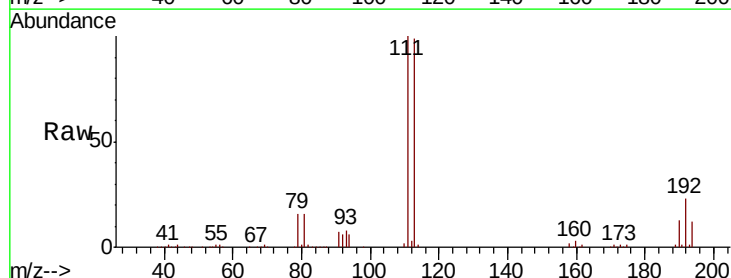
Tgt Ion:113 Resp: 181153

Ion Ratio Lower Upper

113 100

111 103.5 82.4 123.6

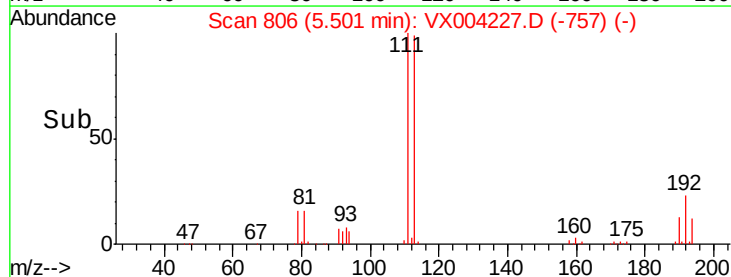
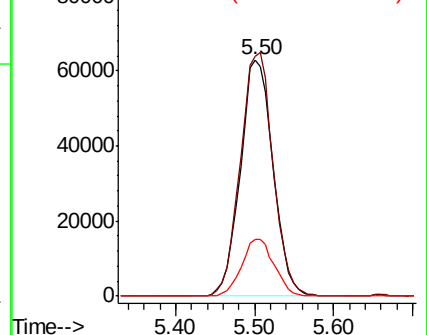
192 24.0 19.4 29.2

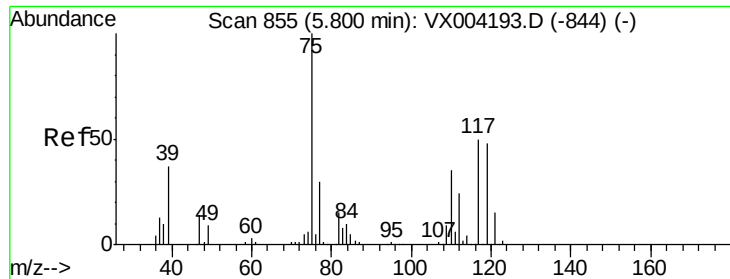


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

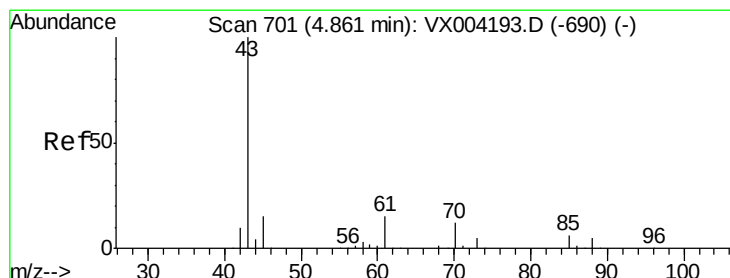
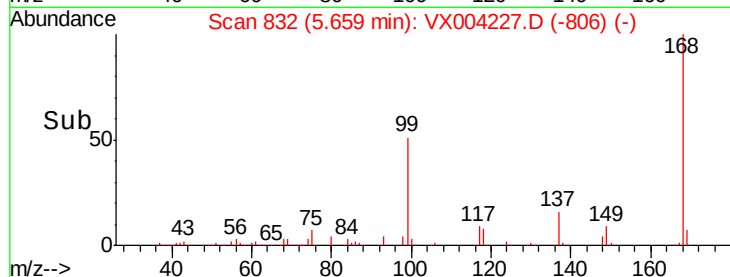
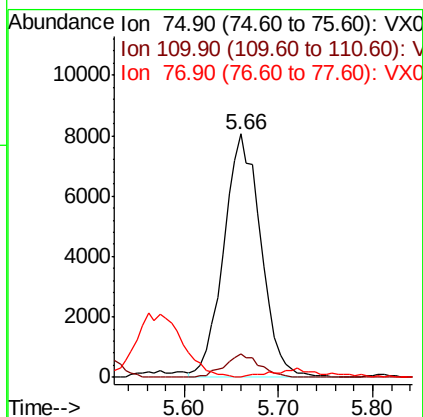
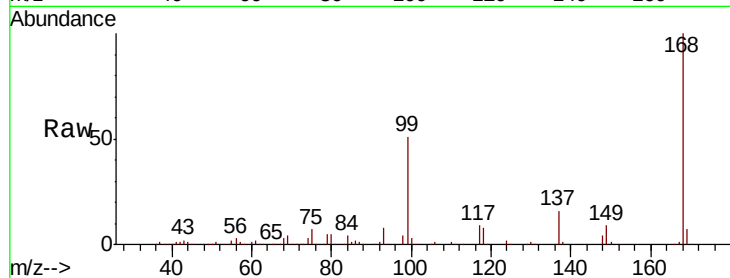




#36
 1,1-Dichloropropene
 Concen: 3.75 ug/l
 RT: 5.66 min Scan# 832
 Delta R.T. -0.14 min
 Lab File: VX004227.D
 Acq: 23 Aug 2018 15:26

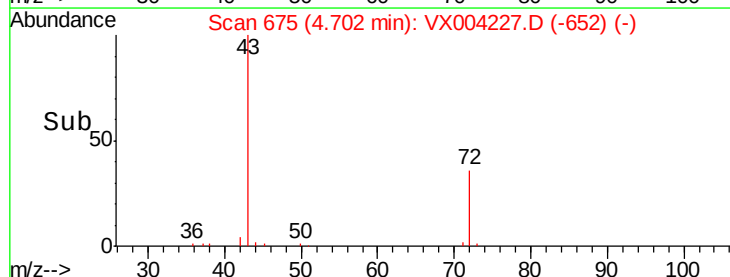
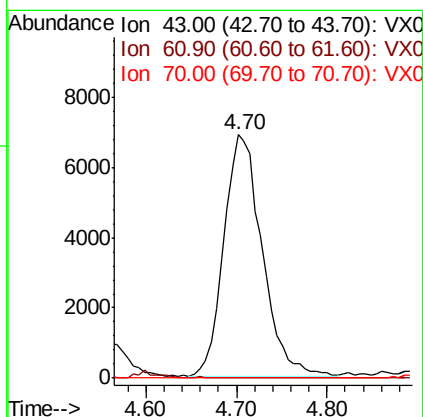
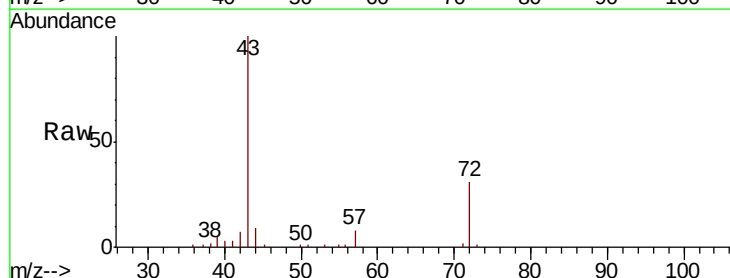
Instrument :
 MSVOA_X
 ClientSampled :
 FL-0561

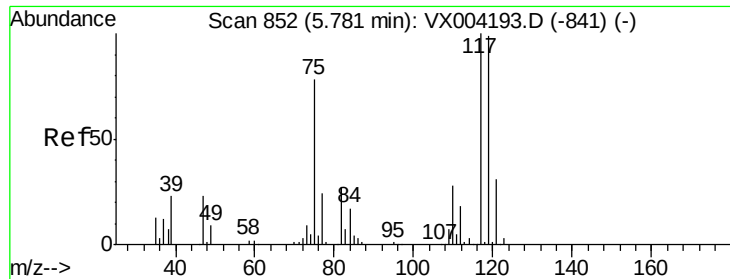
Tot Ion	Ratio	Lower	Upper
75	100		
110	9.1	18.0	54.0#
77	0.0	24.6	36.8#



#37
 Ethyl Acetate
 Concen: 3.48 ug/l
 RT: 4.70 min Scan# 675
 Delta R.T. -0.16 min
 Lab File: VX004227.D
 Acq: 23 Aug 2018 15:26

Tgt Ion	Ratio	Lower	Upper
43	100		
61	0.0	11.5	17.3#
70	0.0	9.0	13.6#

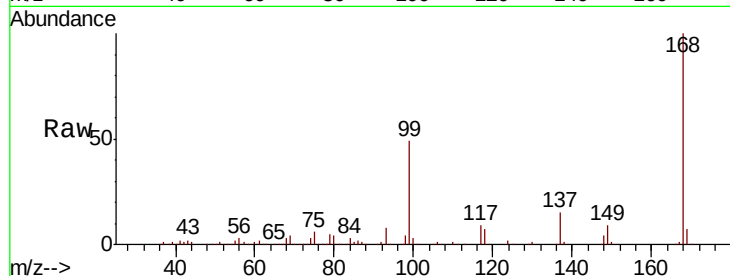




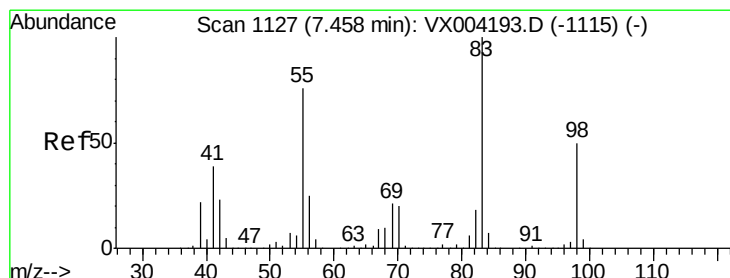
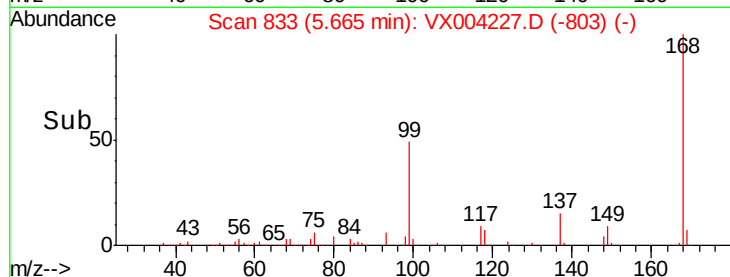
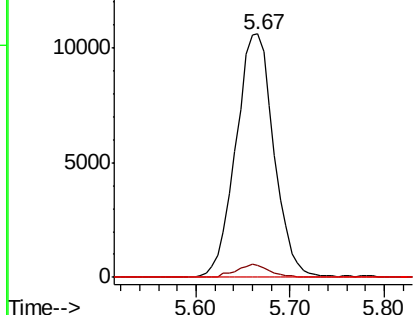
#38
Carbon Tetrachloride
Concen: 5.41 ug/l
RT: 5.67 min Scan# 833
Delta R.T. -0.12 min
Lab File: VX004227.D
Acq: 23 Aug 2018 15:26

Instrument :
MSVOA_X
ClientSampled :
FL-0561

Tot Ion:117 Resp: 29951
Ion Ratio Lower Upper
117 100
119 5.0 78.8 118.2#
121 0.0 24.9 37.3#

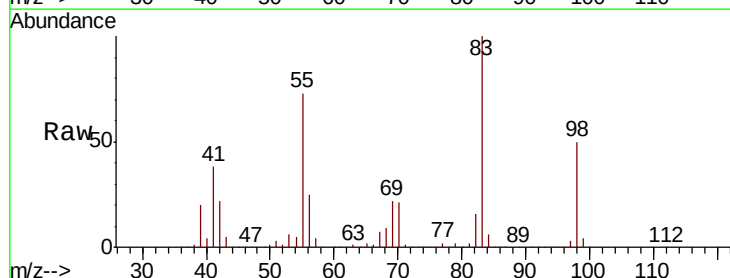


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

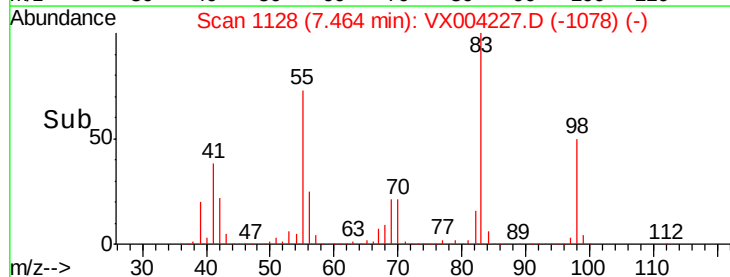
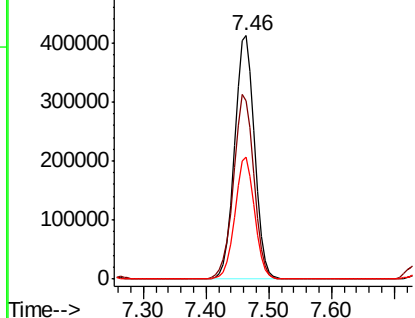


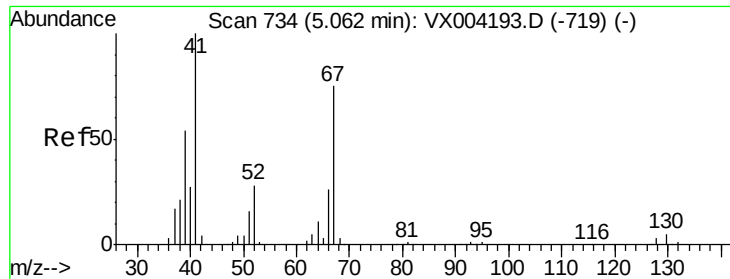
#39
Methylcyclohexane
Concen: 134.99 ug/l
RT: 7.46 min Scan# 1128
Delta R.T. 0.01 min
Lab File: VX004227.D
Acq: 23 Aug 2018 15:26

Tgt Ion: 83 Resp: 906841
Ion Ratio Lower Upper
83 100
55 73.2 61.0 91.4
98 50.1 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

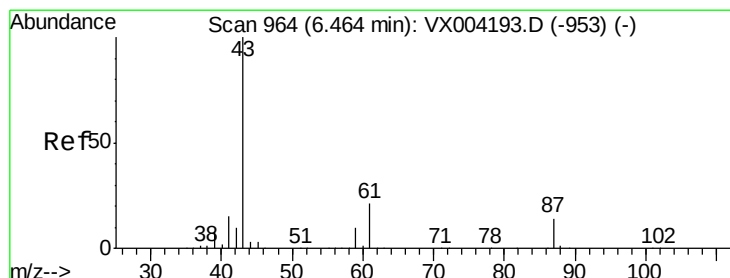
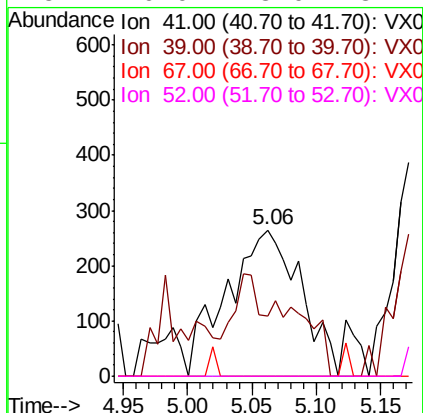
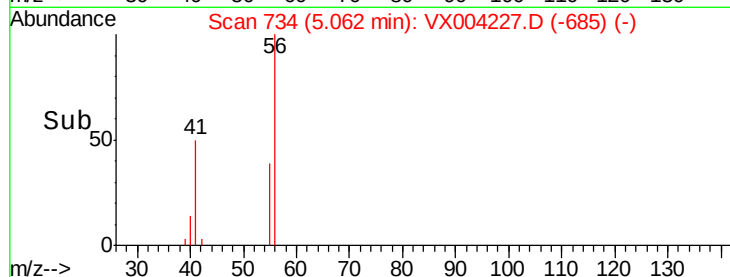
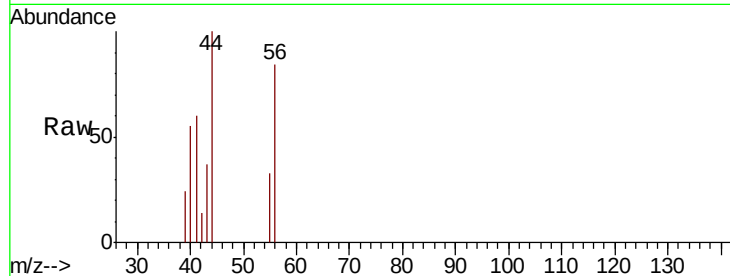




#41
Methacrylonitrile
Concen: 0.31 ug/l
RT: 5.06 min Scan# 734
Delta R.T. -0.00 min
Lab File: VX004227.D
Acq: 23 Aug 2018 15:26

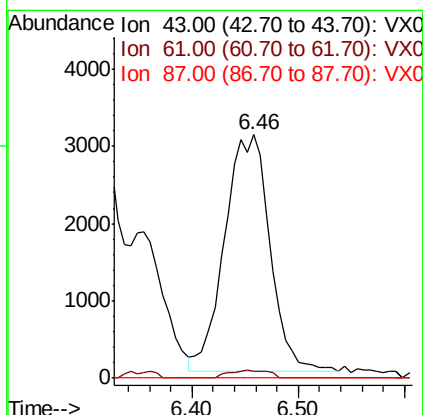
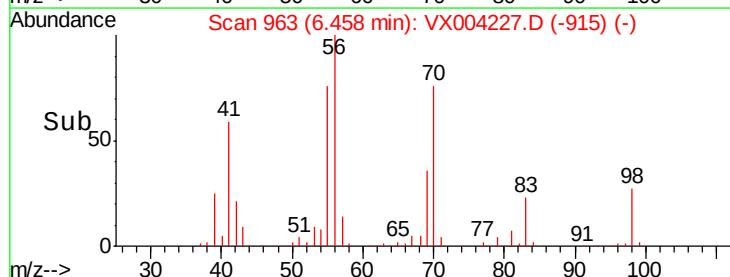
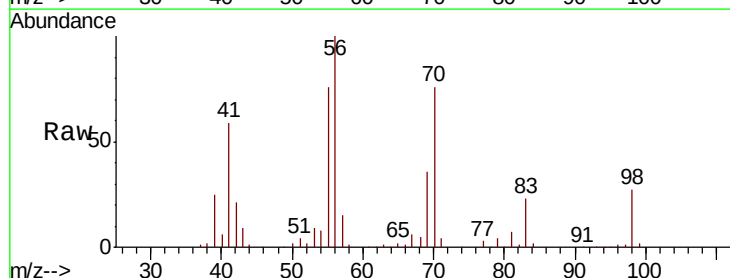
Instrument :
MSVOA_X
ClientSampled :
FL-0561

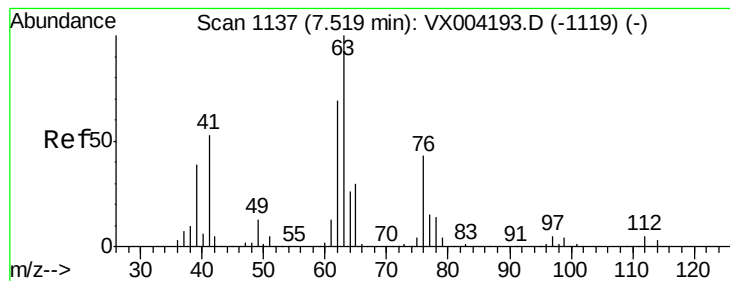
Tot Ion:	41	Resp:	1051
Ion	Ratio	Lower	Upper
41	100		
39	0.0	42.4	63.6#
67	0.0	59.2	88.8#
52	0.0	23.0	34.4#



#43
Isopropyl Acetate
Concen: 1.02 ug/l
RT: 6.46 min Scan# 963
Delta R.T. -0.01 min
Lab File: VX004227.D
Acq: 23 Aug 2018 15:26

Tgt Ion:	43	Resp:	9067
Ion	Ratio	Lower	Upper
43	100		
61	2.9	17.0	25.4#
87	0.0	11.4	17.2#





#45

1,2-Dichloropropane

Concen: 1.82 ug/l

RT: 7.46 min Scan# 1127

Delta R.T. -0.06 min

Lab File: VX004227.D

Acq: 23 Aug 2018 15:26

Instrument :

MSVOA_X

ClientSampleId :

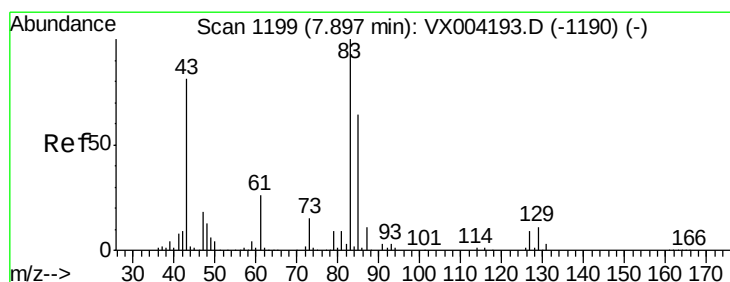
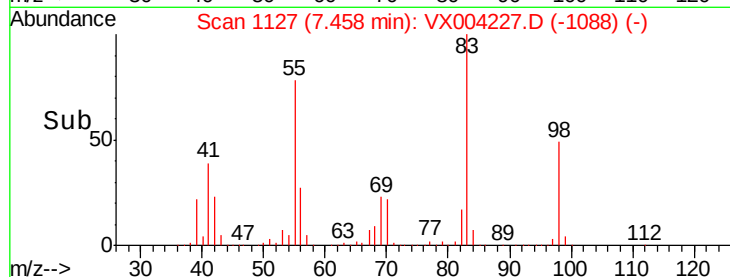
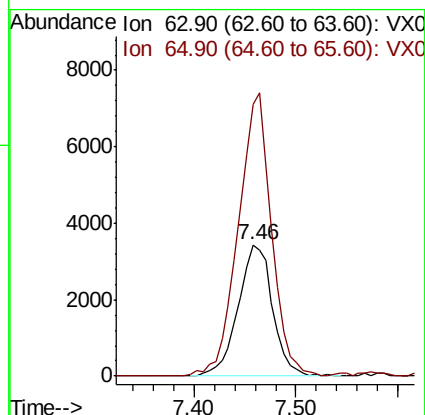
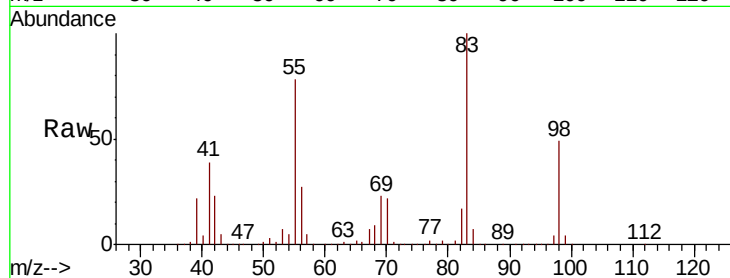
FL-0561

Tot Ion: 63 Resp: 8023

Ion Ratio Lower Upper

63 100

65 205.1 24.3 36.5#



#47

Bromodichloromethane

Concen: 0.43 ug/l

RT: 7.85 min Scan# 1191

Delta R.T. -0.05 min

Lab File: VX004227.D

Acq: 23 Aug 2018 15:26

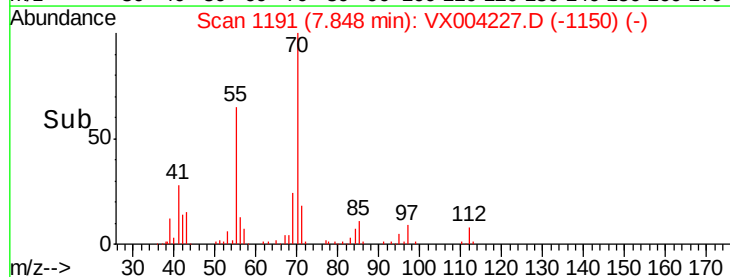
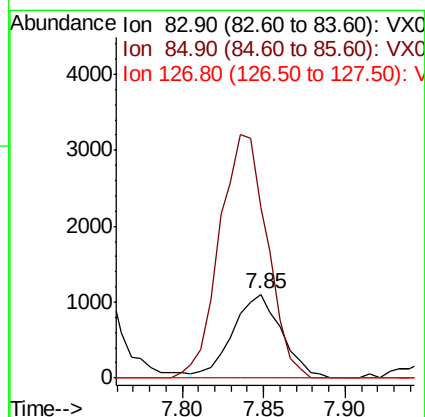
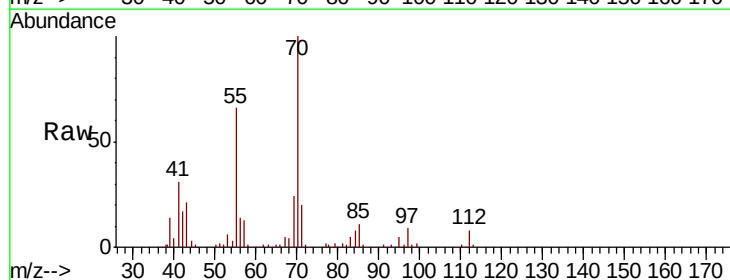
Tgt Ion: 83 Resp: 2318

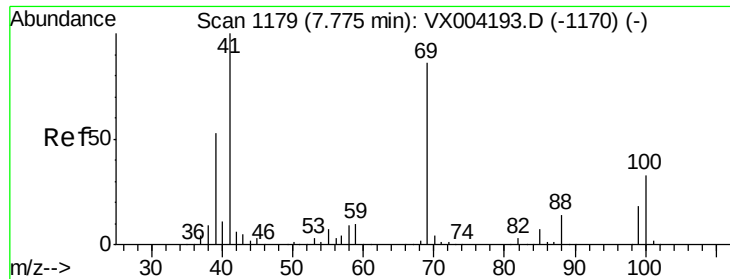
Ion Ratio Lower Upper

83 100

85 202.9 50.9 76.3#

127 0.0 7.3 10.9#

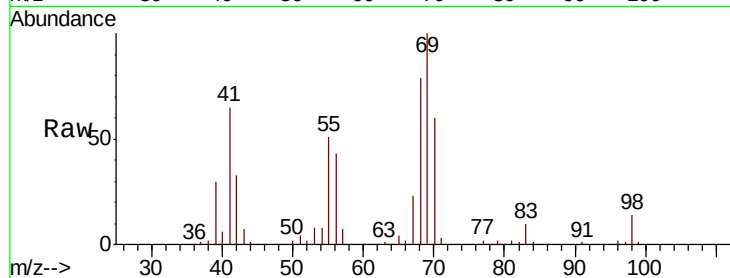




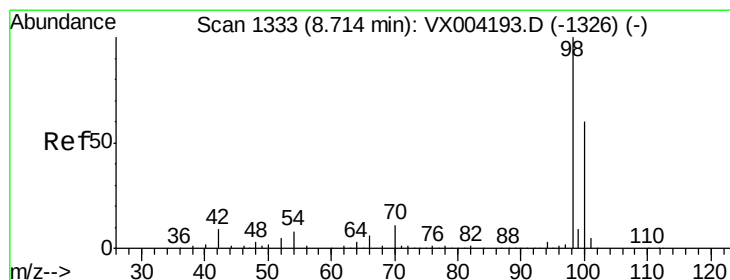
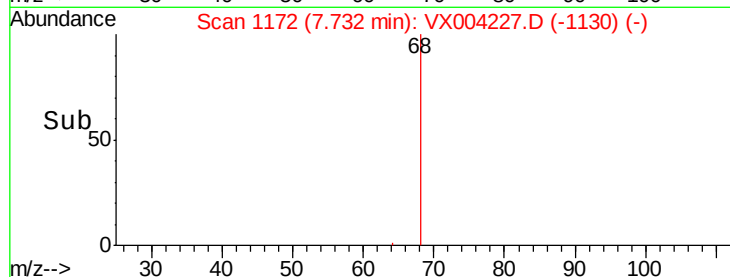
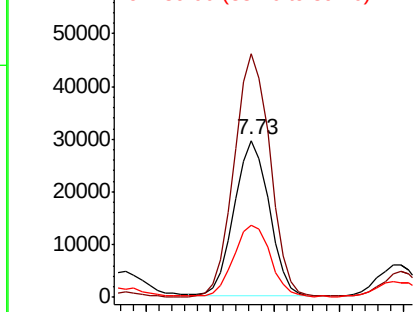
#48
Methyl methacrylate
Concen: 11.82 ug/l
RT: 7.73 min Scan# 1172
Delta R.T. -0.04 min
Lab File: VX004227.D
Acq: 23 Aug 2018 15:26

Instrument :
MSVOA_X
ClientSampleId :
FL-0561

Tot Ion: 41 Resp: 56237
Ion Ratio Lower Upper
41 100
69 159.1 70.2 105.4#
39 47.7 42.7 64.1

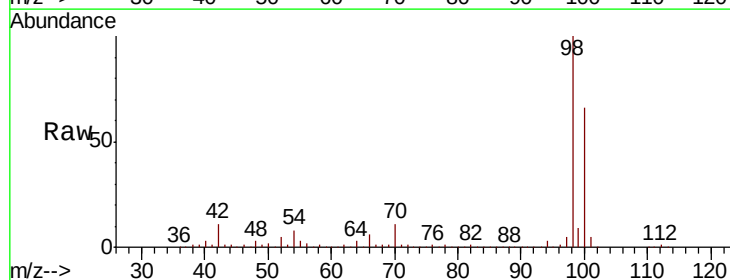


Abundance Ion 41.00 (40.70 to 41.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 39.00 (38.70 to 39.70): VX0

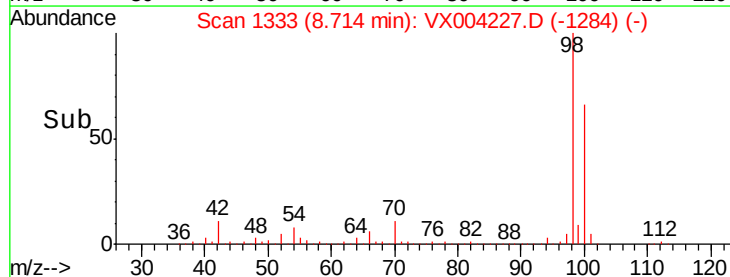
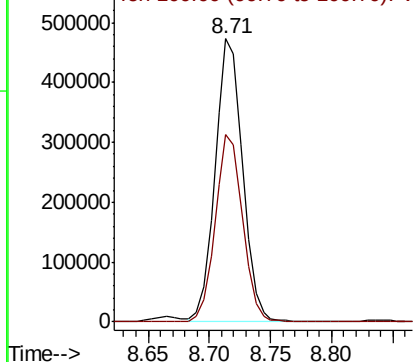


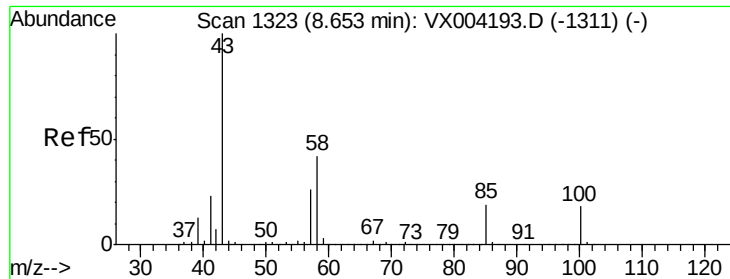
#50
Toluene-d8
Concen: 50.36 ug/l
RT: 8.71 min Scan# 1333
Delta R.T. -0.00 min
Lab File: VX004227.D
Acq: 23 Aug 2018 15:26

Tgt Ion: 98 Resp: 740079
Ion Ratio Lower Upper
98 100
100 66.1 52.9 79.3



Abundance Ion 98.00 (97.70 to 98.70): VX0
Ion 100.00 (99.70 to 100.70): VX0





#51

4-Methyl-2-Pentanone

Concen: 2.19 ug/l

RT: 8.66 min Scan# 1325

Delta R.T. 0.01 min

Lab File: VX004227.D

Acq: 23 Aug 2018 15:26

Instrument :

MSVOA_X

ClientSampleID :

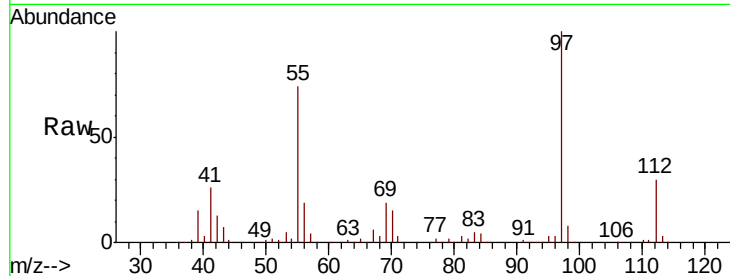
FL-0561

Tot Ion: 43 Resp: 14151

Ion Ratio Lower Upper

43 100

58 6.3 33.1 49.7#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

8.66

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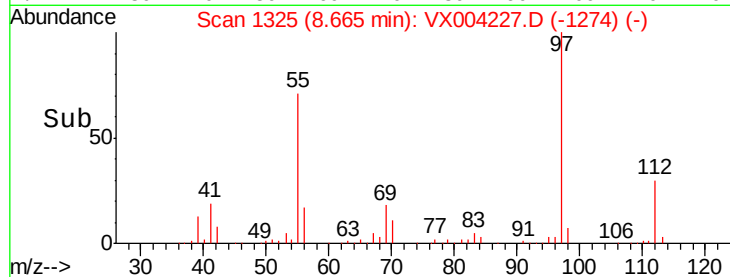
8.66

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8.66



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

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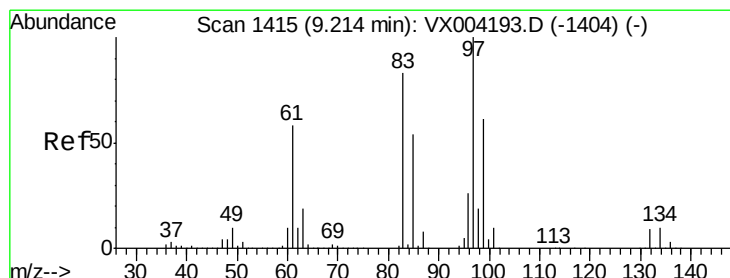
8.66

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#55

1,1,2-Trichloroethane

Concen: 15.55 ug/l

RT: 9.16 min Scan# 1407

Delta R.T. -0.05 min

Lab File: VX004227.D

Acq: 23 Aug 2018 15:26

Tgt Ion: 97 Resp: 69081

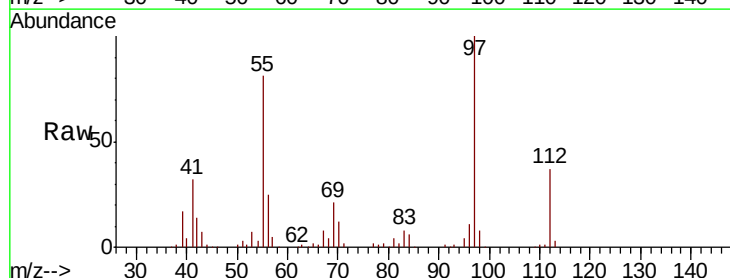
Ion Ratio Lower Upper

97 100

83 7.6 66.4 99.6#

85 0.4 43.3 64.9#

99 0.3 49.0 73.4#



Abundance Ion 96.90 (96.60 to 97.60): VX0

Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0

Ion 98.90 (98.60 to 99.60): VX0

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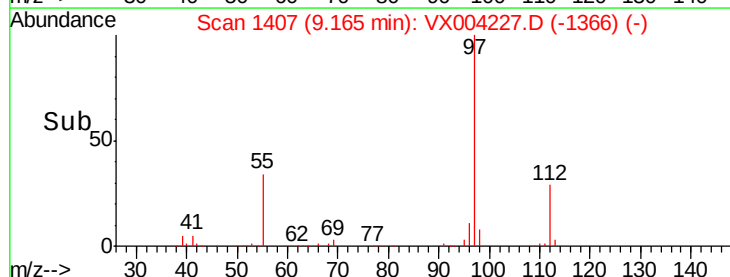
9.16

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Abundance Ion 96.90 (96.60 to 97.60): VX0

Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0

Ion 98.90 (98.60 to 99.60): VX0

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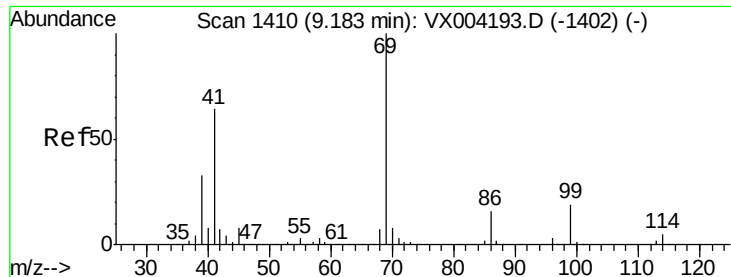
9.16

9.16

9.16

9.16

9.16



#56

Ethyl methacrylate

Concen: 2.38 ug/l

RT: 9.16 min Scan# 1407

Delta R.T. -0.02 min

Lab File: VX004227.D

Acq: 23 Aug 2018 15:26

Instrument :

MSVOA_X

ClientSampleId :

FL-0561

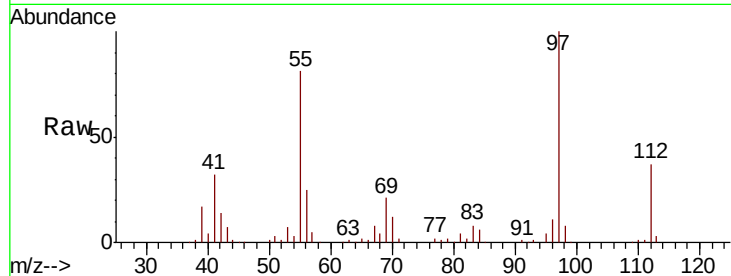
Tot Ion: 69 Resp: 14404

Ion Ratio Lower Upper

69 100

41 150.5 51.0 76.4#

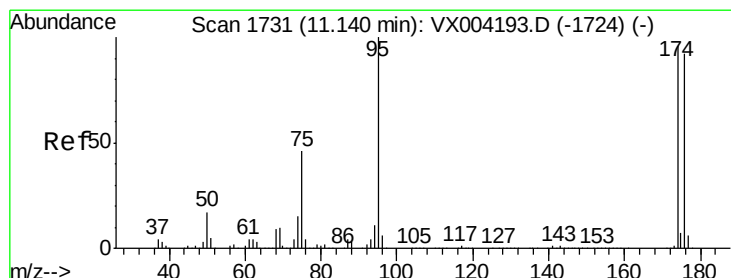
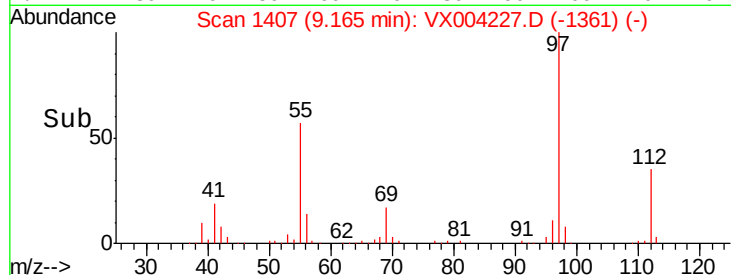
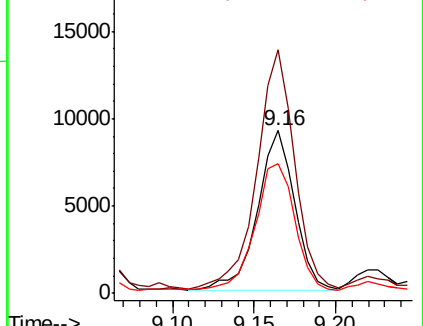
39 84.4 26.1 39.1#



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



#62

4-Bromofluorobenzene

Concen: 49.61 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.00 min

Lab File: VX004227.D

Acq: 23 Aug 2018 15:26

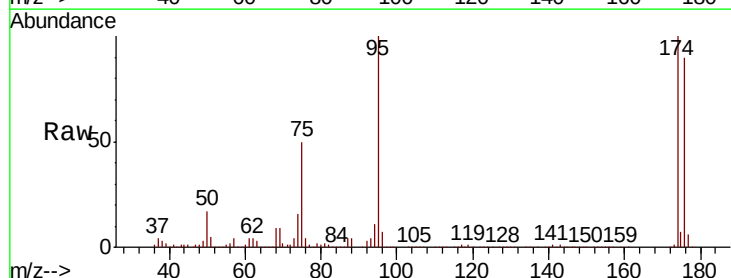
Tgt Ion: 95 Resp: 272028

Ion Ratio Lower Upper

95 100

174 93.2 0.0 185.2

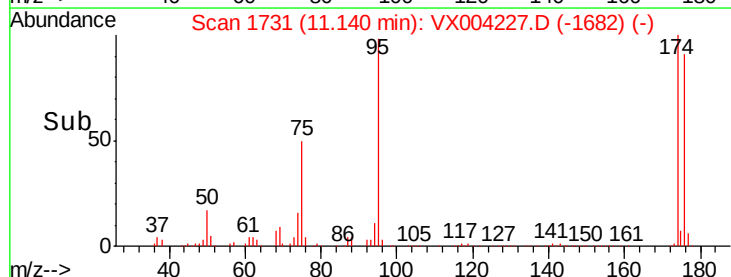
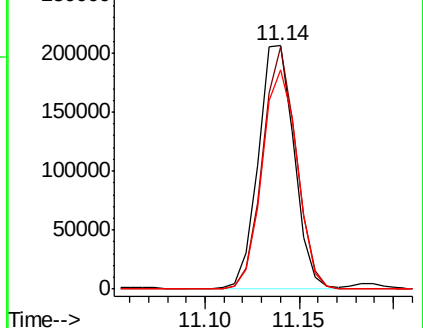
176 88.7 0.0 178.6

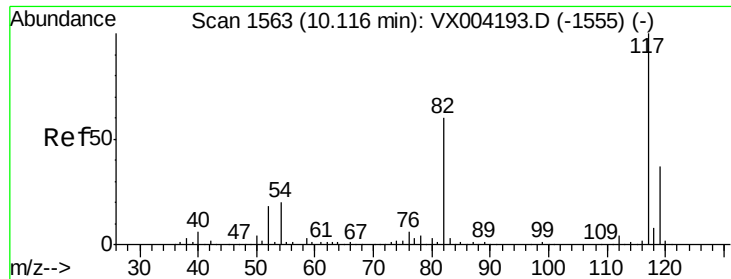


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

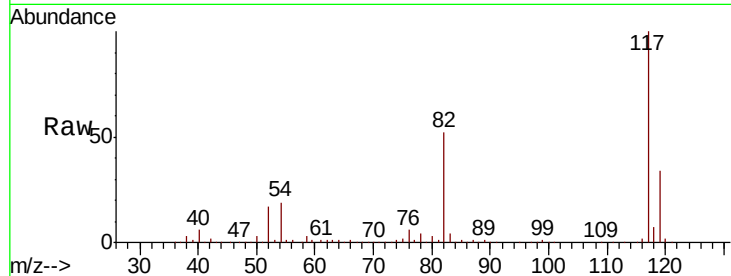




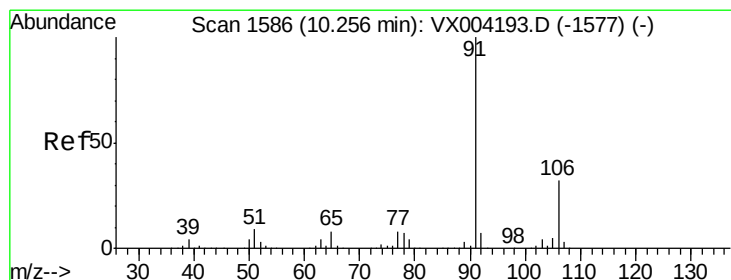
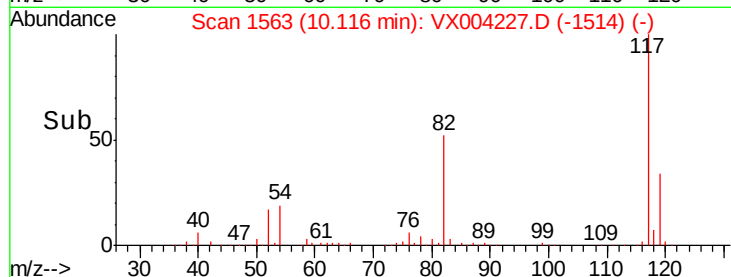
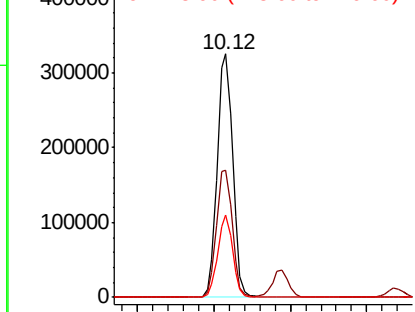
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. -0.00 min
Lab File: VX004227.D
Acq: 23 Aug 2018 15:26

Instrument :
MSVOA_X
ClientSampled :
FL-0561

Tot Ion:117 Resp: 457497
Ion Ratio Lower Upper
117 100
82 52.4 47.8 71.6
119 34.1 29.3 43.9

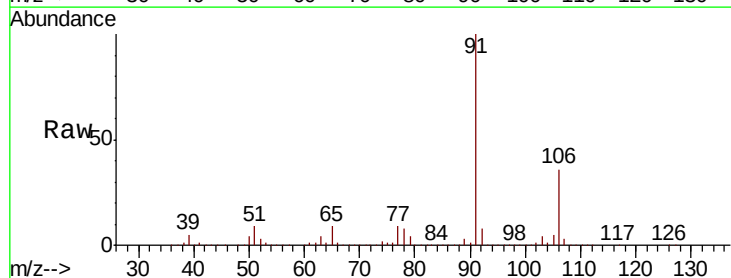


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

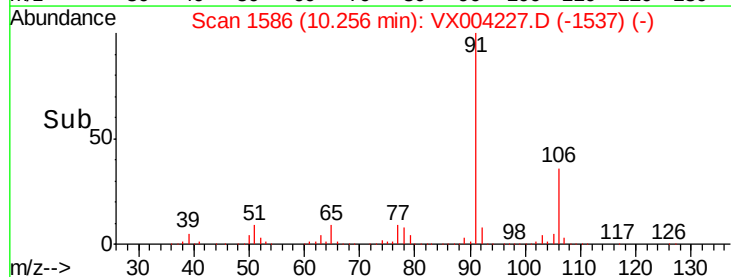
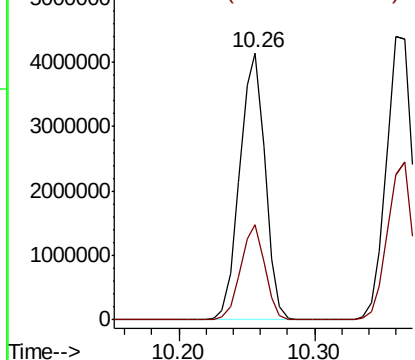


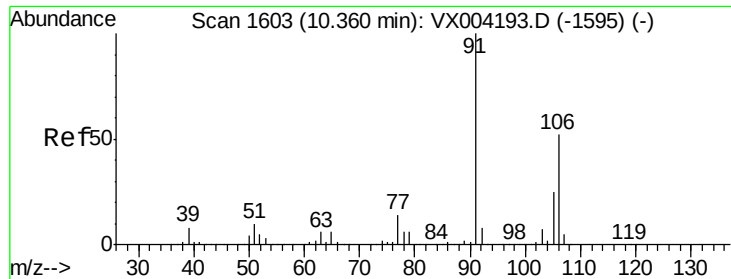
#67
Ethyl Benzene
Concen: 289.06 ug/l
RT: 10.26 min Scan# 1586
Delta R.T. -0.00 min
Lab File: VX004227.D
Acq: 23 Aug 2018 15:26

Tgt Ion: 91 Resp: 5390127
Ion Ratio Lower Upper
91 100
106 35.8 25.9 38.9



Abundance Ion 91.00 (90.70 to 91.70): VX0
Ion 106.00 (105.70 to 106.70): V





#68

m/p-Xylenes

Concen: 438.24 ug/l

RT: 10.37 min Scan# 1604

Delta R.T. 0.01 min

Lab File: VX004227.D

Acq: 23 Aug 2018 15:26

Instrument :

MSVOA_X

ClientSampled :

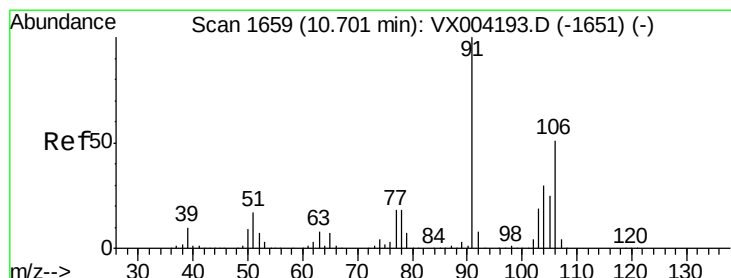
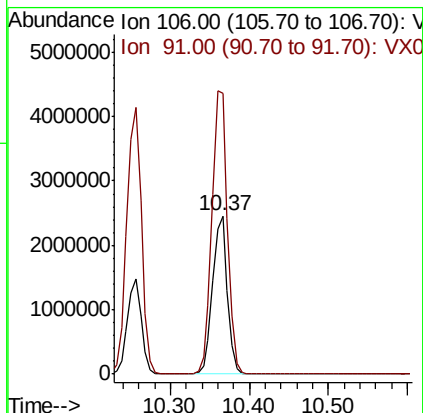
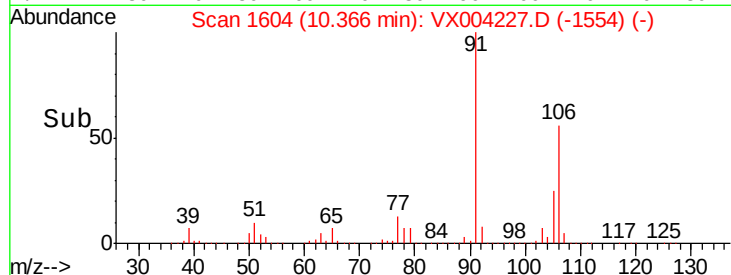
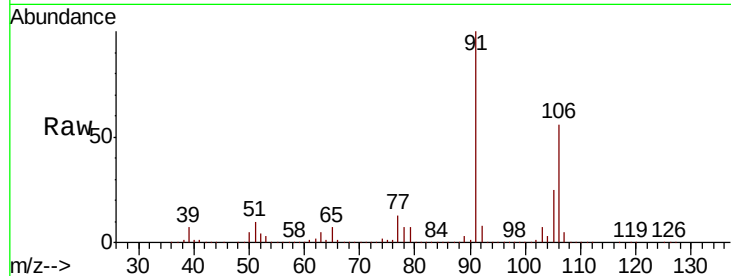
FL-0561

Tot Ion:106 Resp: 3195375

Ion Ratio Lower Upper

106 100

91 188.5 157.1 235.7



#69

o-Xylene

Concen: 358.68 ug/l

RT: 10.70 min Scan# 1659

Delta R.T. -0.00 min

Lab File: VX004227.D

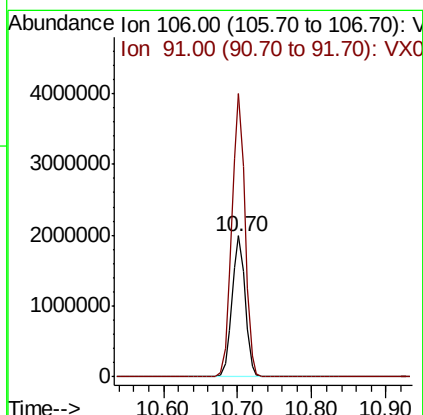
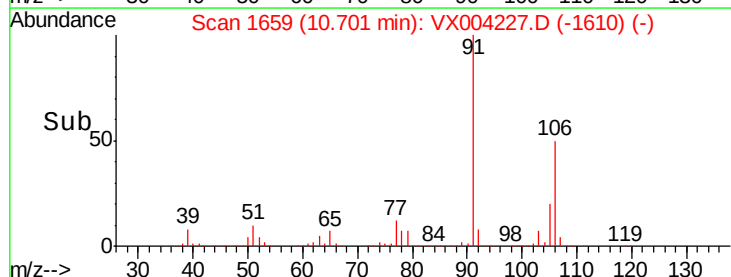
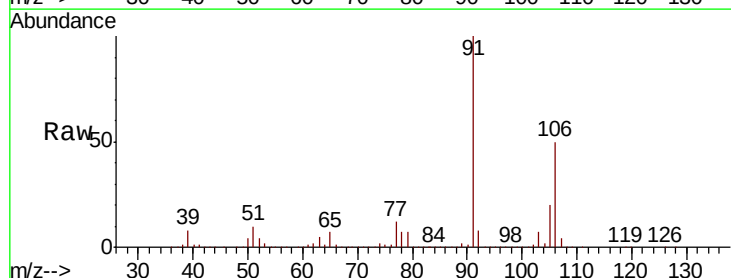
Acq: 23 Aug 2018 15:26

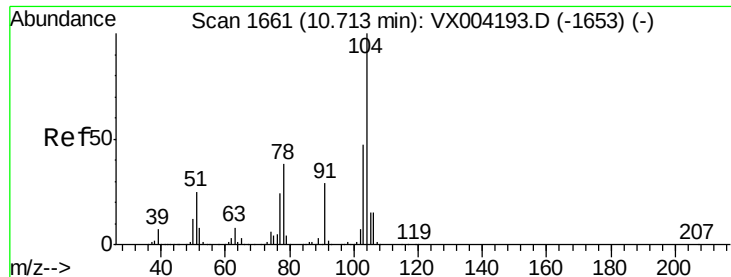
Tgt Ion:106 Resp: 2473811

Ion Ratio Lower Upper

106 100

91 200.8 105.1 315.1





#70

Stvrene

Concen: 10.77 ug/l

RT: 10.70 min Scan# 1659

Delta R.T. -0.01 min

Lab File: VX004227.D

Acq: 23 Aug 2018 15:26

Instrument :

MSVOA_X

ClientSampleId :

FL-0561

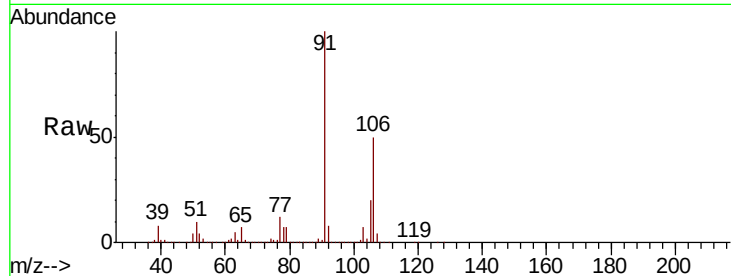
Tot Ion:104 Resp: 120265

Ion Ratio Lower Upper

104 100

78 287.7 37.4 56.0#

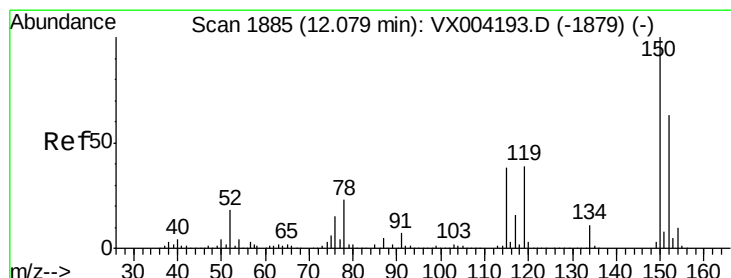
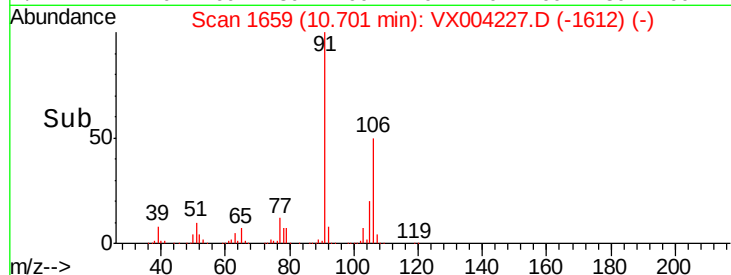
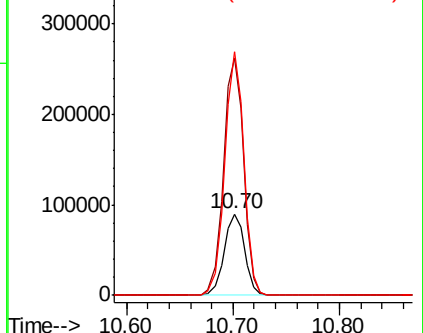
103 282.1 43.8 65.6#



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: 50.00 ug/l

RT: 12.08 min Scan# 1885

Delta R.T. -0.00 min

Lab File: VX004227.D

Acq: 23 Aug 2018 15:26

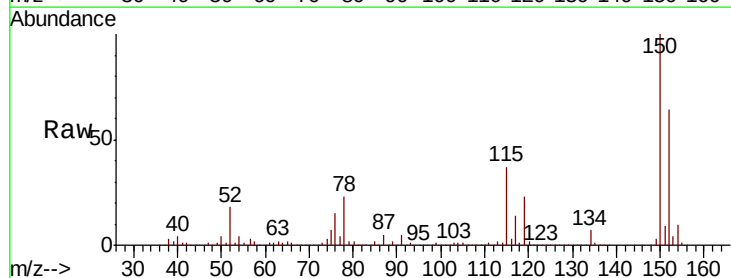
Tgt Ion:152 Resp: 302419

Ion Ratio Lower Upper

152 100

115 62.4 39.0 117.0

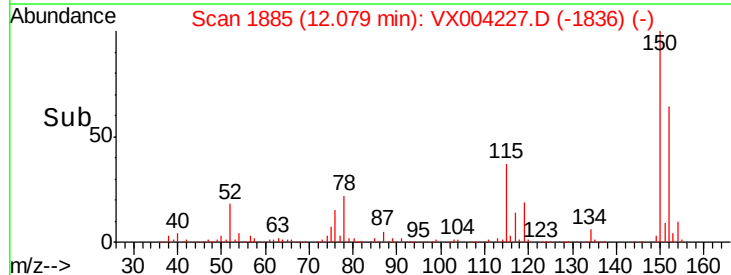
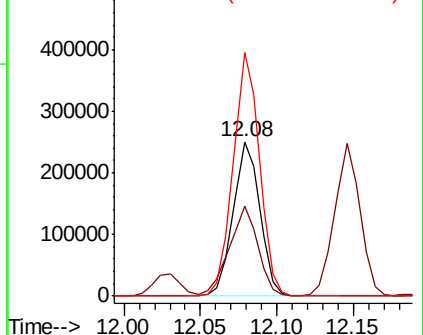
150 155.5 0.0 351.0

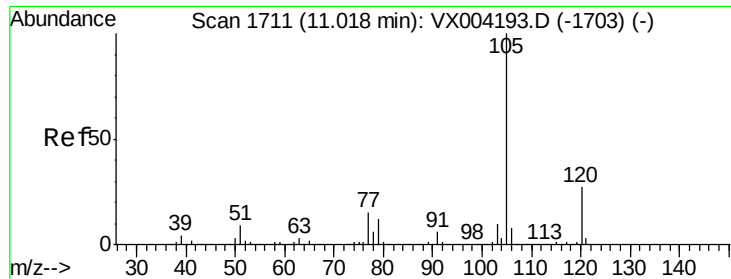


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 60.00 ug/l

RT: 11.02 min Scan# 1711

Delta R.T. -0.00 min

Lab File: VX004227.D

Acq: 23 Aug 2018 15:26

Instrument :

MSVOA_X

ClientSampled :

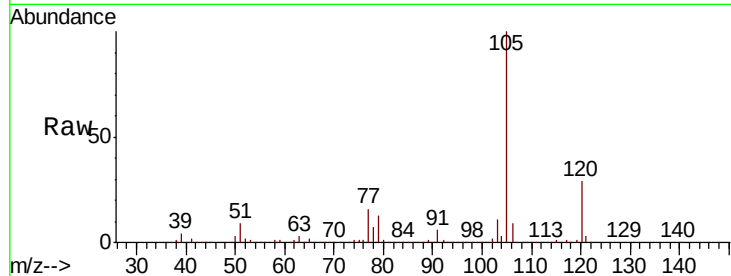
FL-0561

Tot Ion:105 Resp: 1191701

Ion Ratio Lower Upper

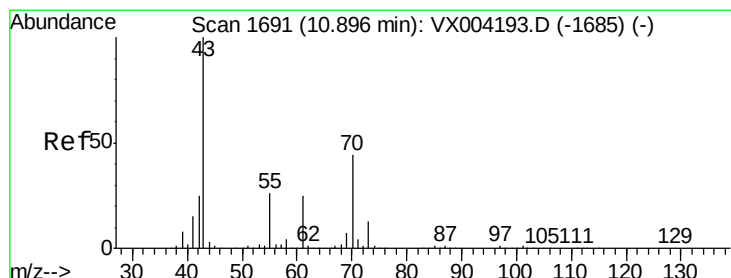
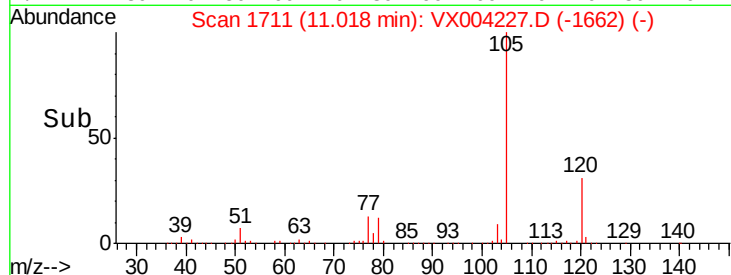
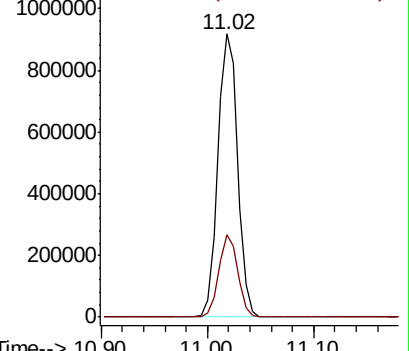
105 100

120 27.8 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: 0.44 ug/l

RT: 10.91 min Scan# 1693

Delta R.T. 0.01 min

Lab File: VX004227.D

Acq: 23 Aug 2018 15:26

Tgt Ion: 43 Resp: 3386

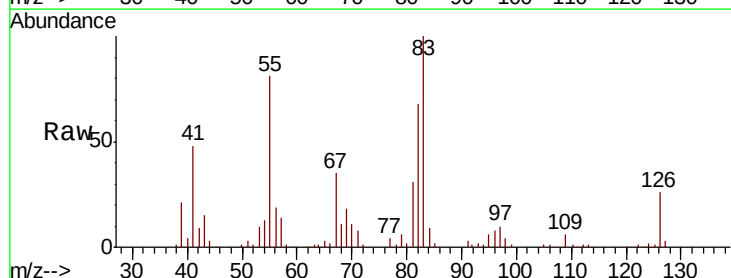
Ion Ratio Lower Upper

43 100

70 165.1 37.4 56.0#

55 723.0 21.8 32.8#

61 0.0 20.6 30.8#

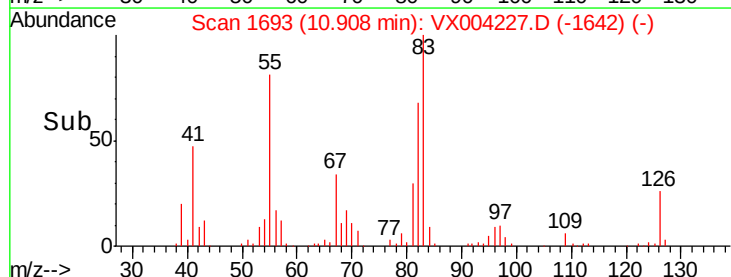
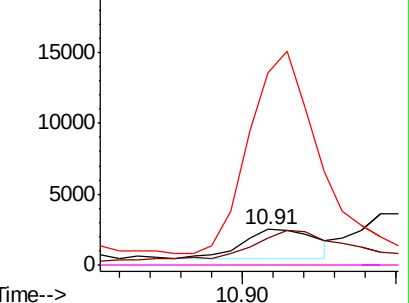


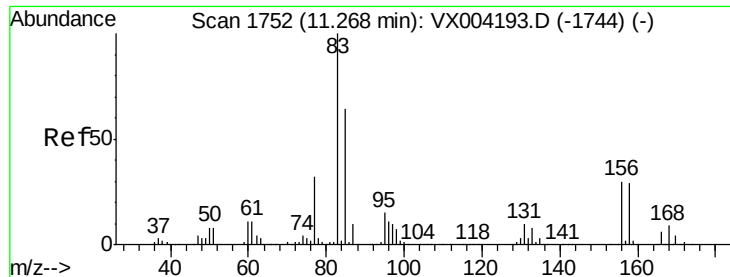
Abundance Ion 43.00 (42.70 to 43.70): VX0

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: 0.49 ug/l

RT: 11.28 min Scan# 1754

Delta R.T. 0.01 min

Lab File: VX004227.D

Acq: 23 Aug 2018 15:26

Instrument :

MSVOA_X

ClientSampled :

FL-0561

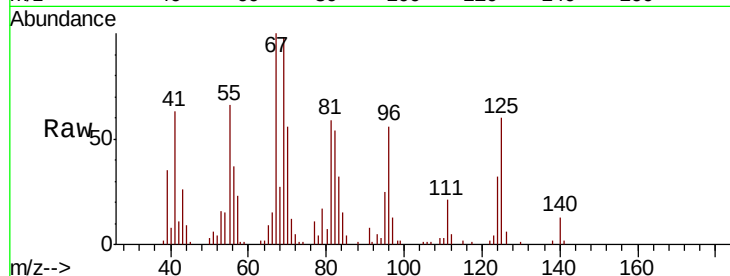
Tot Ion: 83 Resp: 3382

Ion Ratio Lower Upper

83 100

131 0.0 5.2 15.6#

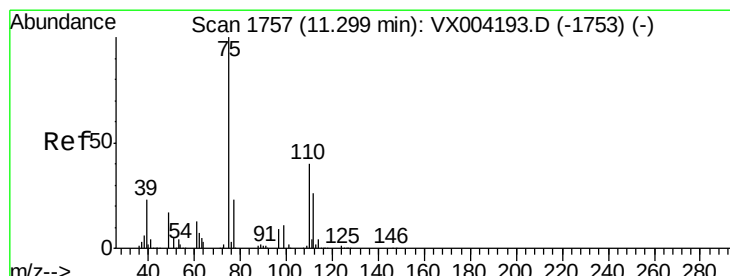
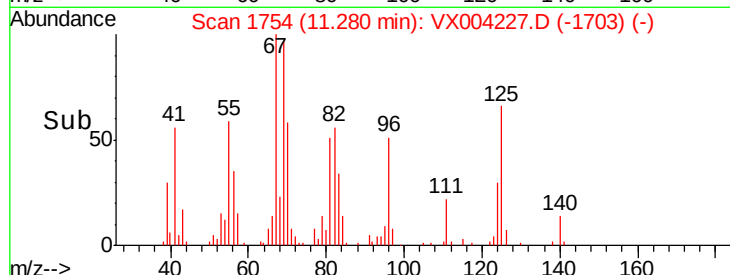
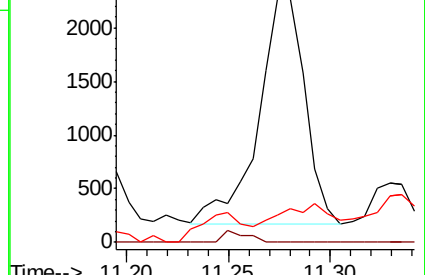
85 0.0 32.3 96.8#



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: 1.80 ug/l

RT: 11.36 min Scan# 1767

Delta R.T. 0.06 min

Lab File: VX004227.D

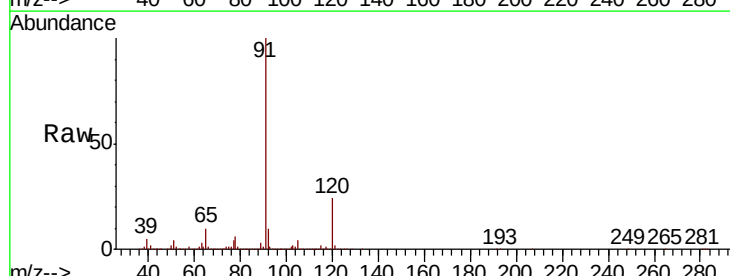
Acq: 23 Aug 2018 15:26

Tgt Ion: 75 Resp: 11099

Ion Ratio Lower Upper

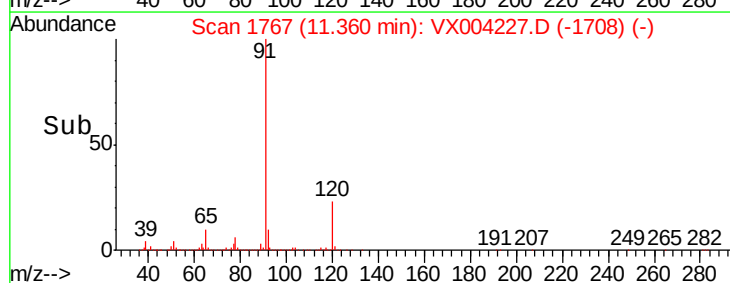
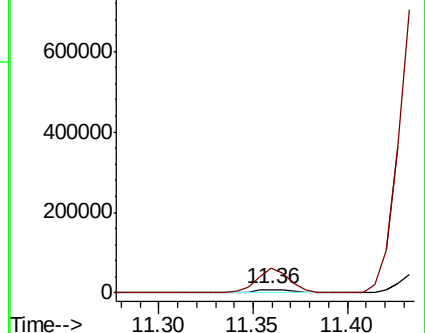
75 100

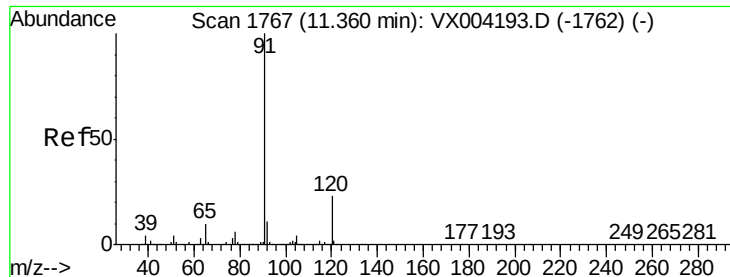
77 662.6 20.2 60.6#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#78

n-propylbenzene

Concen: 85.94 ug/l

RT: 11.36 min Scan# 1767

Delta R.T. -0.00 min

Lab File: VX004227.D

Acq: 23 Aug 2018 15:26

Instrument :

MSVOA_X

ClientSampleId :

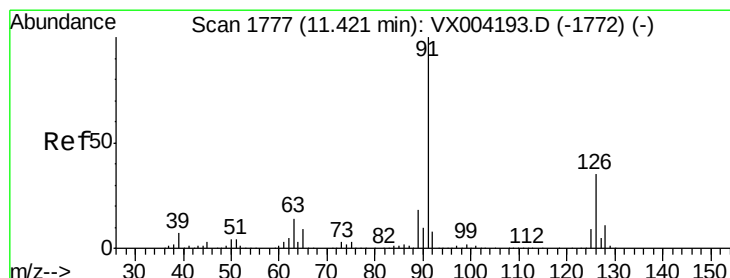
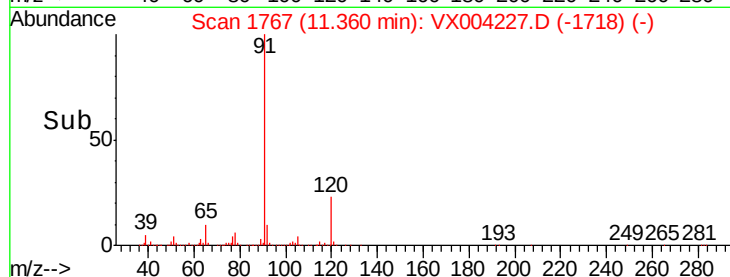
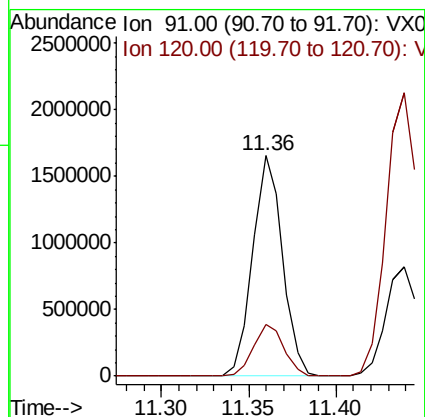
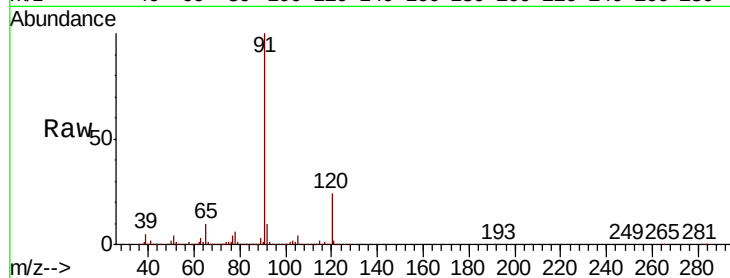
FL-0561

Tot Ion: 91 Resp: 1963276

Ion Ratio Lower Upper

91 100

120 23.8 11.9 35.9



#79

2-Chlorotoluene

Concen: 101.77 ug/l

RT: 11.44 min Scan# 1780

Delta R.T. 0.02 min

Lab File: VX004227.D

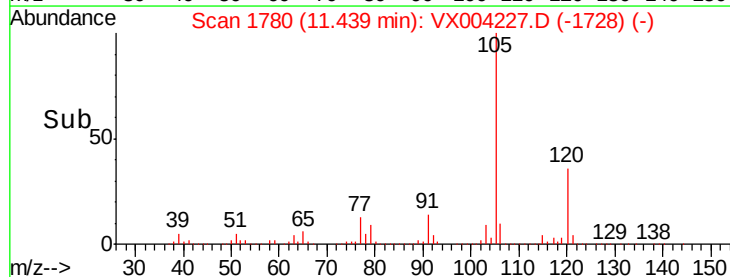
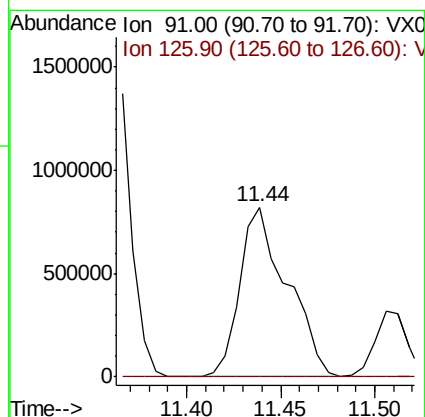
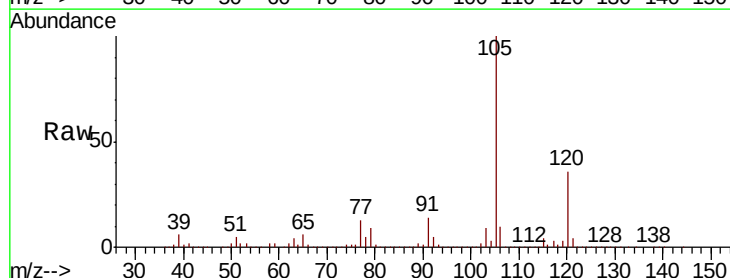
Acq: 23 Aug 2018 15:26

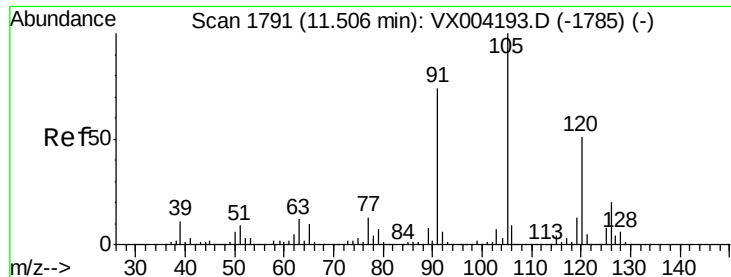
Tgt Ion: 91 Resp: 1430966

Ion Ratio Lower Upper

91 100

126 0.1 17.9 53.7#





#80

1,3,5-Trimethylbenzene

Concen: 222.51 ug/l

RT: 11.51 min Scan# 1792

Delta R.T. 0.01 min

Lab File: VX004227.D

Acq: 23 Aug 2018 15:26

Instrument :

MSVOA_X

ClientSampled :

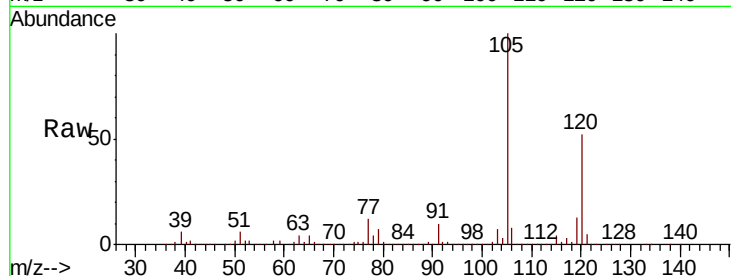
FL-0561

Tot Ion:105 Resp: 3660001

Ion Ratio Lower Upper

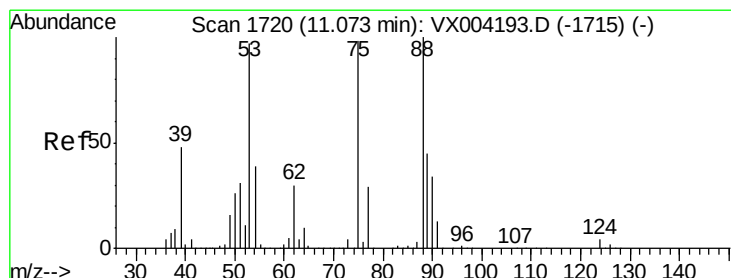
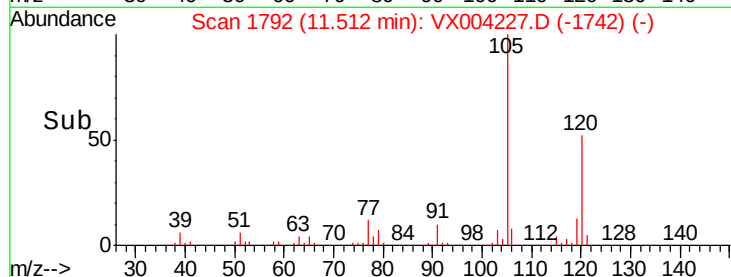
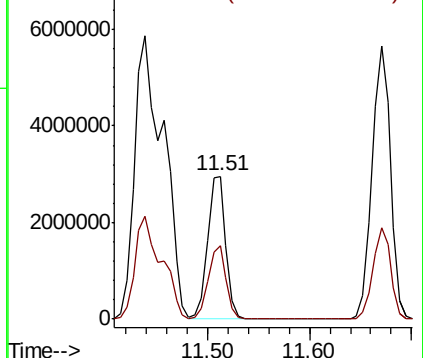
105 100

120 50.8 25.6 76.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#81

trans-1,4-Dichloro-2-butene

Concen: 6.83 ug/l

RT: 11.02 min Scan# 1711

Delta R.T. -0.06 min

Lab File: VX004227.D

Acq: 23 Aug 2018 15:26

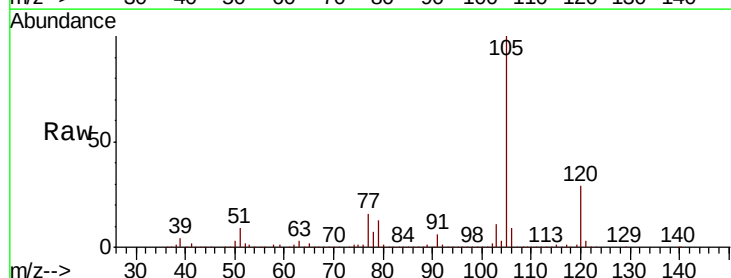
Tgt Ion: 75 Resp: 12949

Ion Ratio Lower Upper

75 100

53 106.2 80.1 120.1

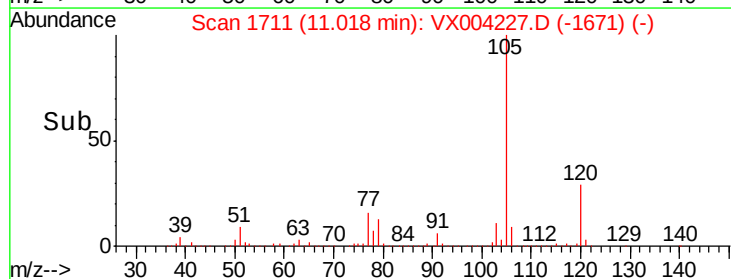
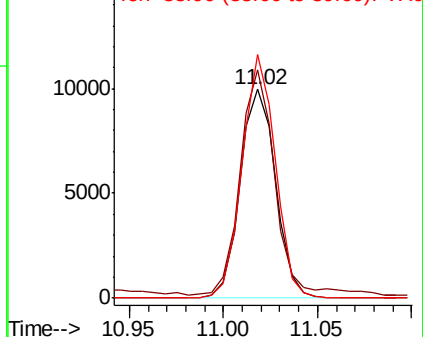
89 109.2 37.2 55.8#

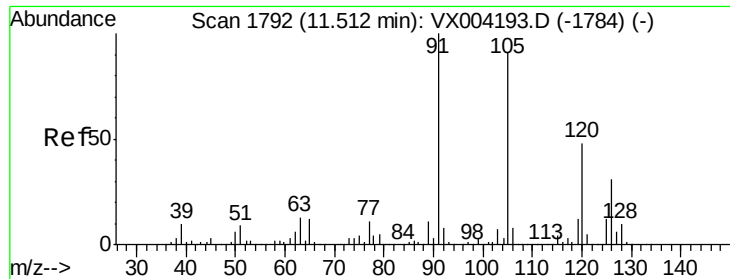


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0

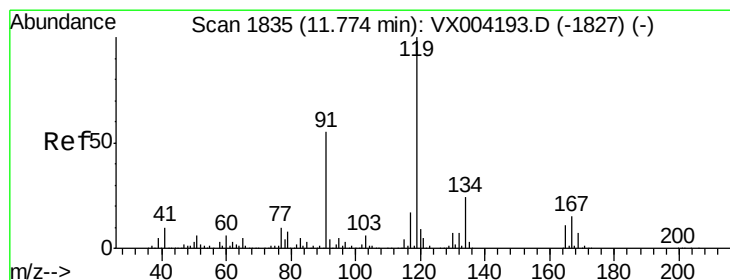
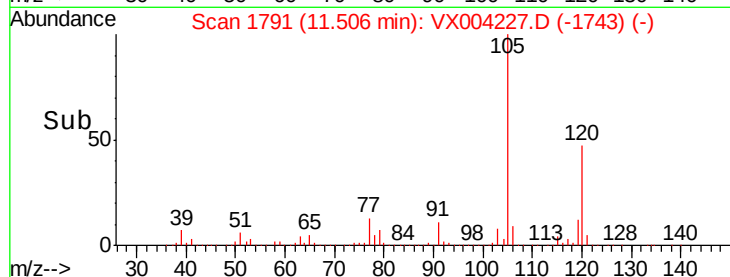
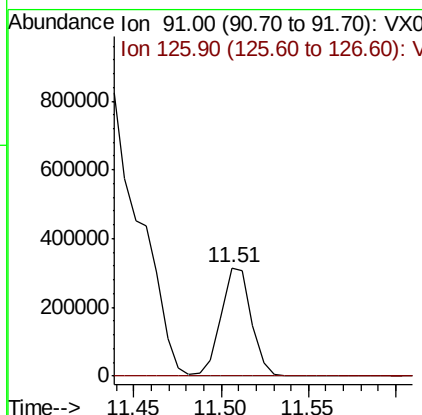
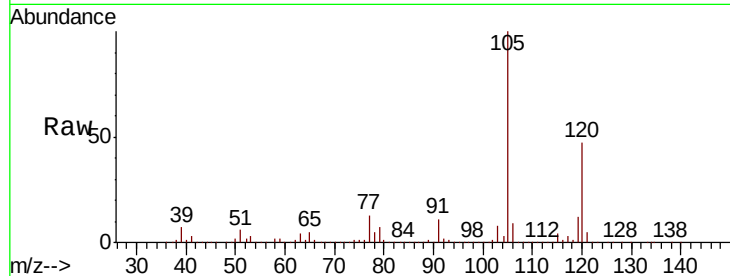




#82
4-Chlorotoluene
Concen: 23.01 ug/l
RT: 11.51 min Scan# 1791
Delta R.T. -0.01 min
Lab File: VX004227.D
Acq: 23 Aug 2018 15:26

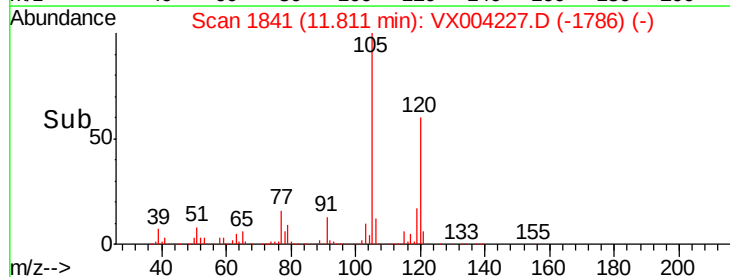
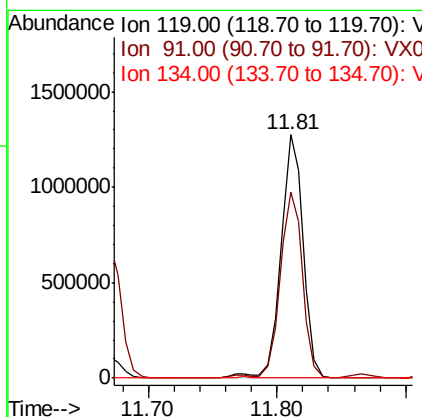
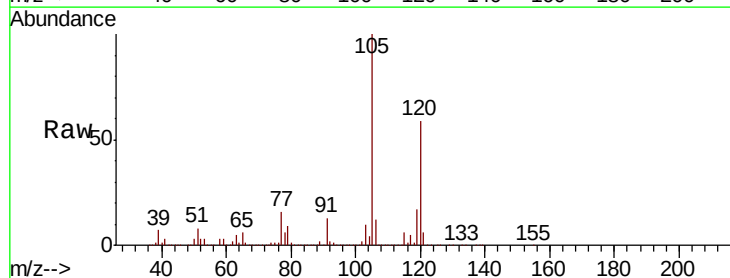
Instrument :
MSVOA_X
ClientSampleId :
FL-0561

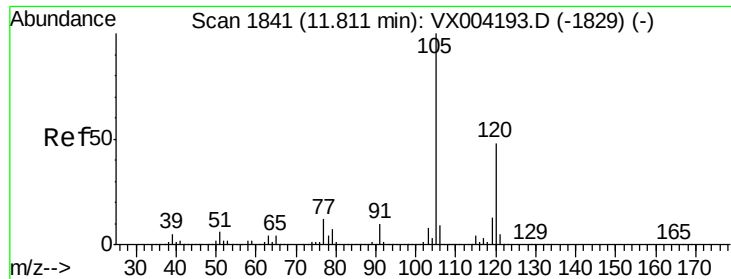
Tot Ion: 91 Resp: 380667
Ion Ratio Lower Upper
91 100
126 0.1 15.5 46.5#



#83
tert-Butylbenzene
Concen: 93.72 ug/l
RT: 11.81 min Scan# 1841
Delta R.T. 0.04 min
Lab File: VX004227.D
Acq: 23 Aug 2018 15:26

Tgt Ion: 119 Resp: 1551065
Ion Ratio Lower Upper
119 100
91 76.8 27.0 81.0
134 0.0 11.7 35.1#

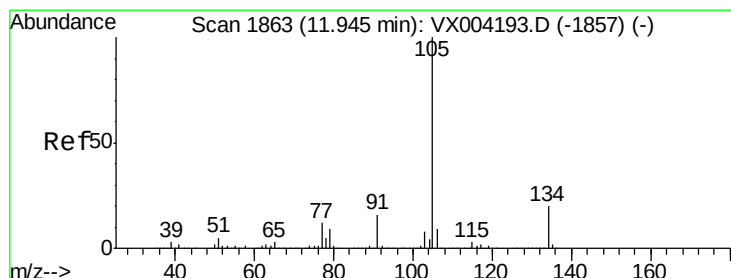
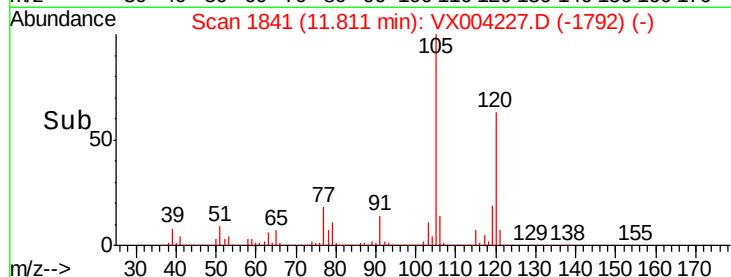
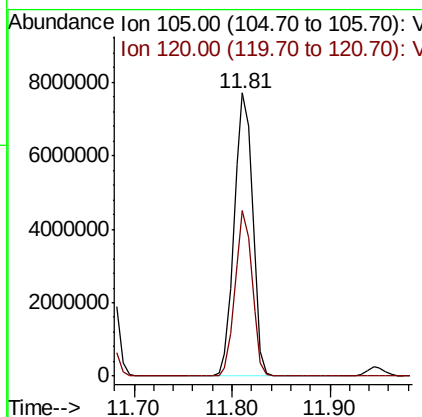
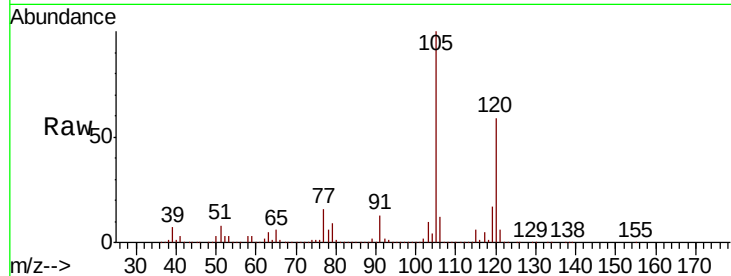




#84
 1,2,4-Trimethylbenzene
 Concen: 594.94 ug/l
 RT: 11.81 min Scan# 1841
 Delta R.T. -0.00 min
 Lab File: VX004227.D
 Acq: 23 Aug 2018 15:26

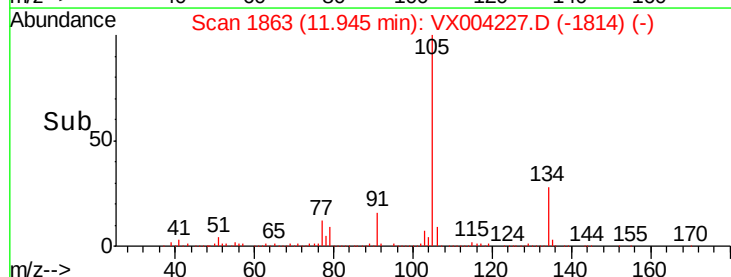
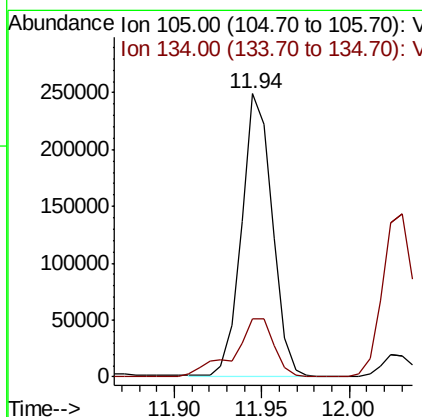
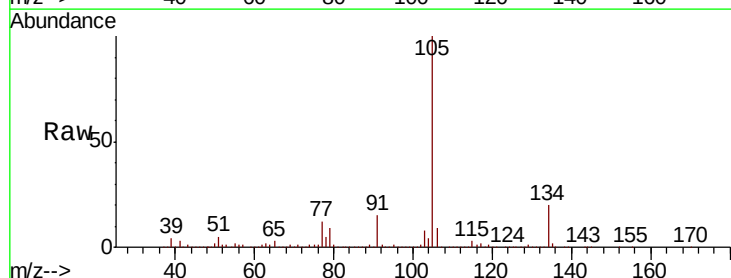
Instrument :
 MSVOA_X
 ClientSampleId :
 FL-0561

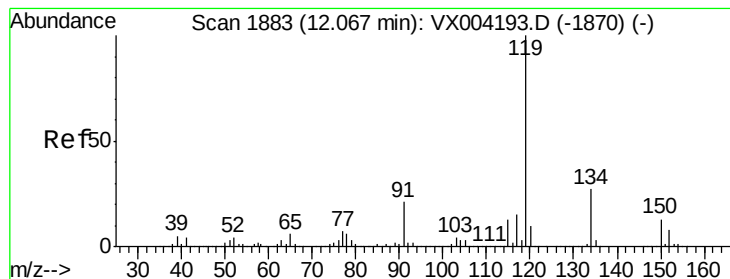
Tot Ion:105 Resp:10045355
 Ion Ratio Lower Upper
 105 100
 120 54.5 23.2 69.6



#85
 sec-Butylbenzene
 Concen: 15.35 ug/l
 RT: 11.94 min Scan# 1863
 Delta R.T. -0.00 min
 Lab File: VX004227.D
 Acq: 23 Aug 2018 15:26

Tgt Ion:105 Resp: 301617
 Ion Ratio Lower Upper
 105 100
 134 27.3 10.5 31.5





#86

p-Isopropyltoluene

Concen: 21.11 ug/l

RT: 12.07 min Scan# 1883

Delta R.T. -0.00 min

Lab File: VX004227.D

Acq: 23 Aug 2018 15:26

Instrument :

MSVOA_X

ClientSampled :

FL-0561

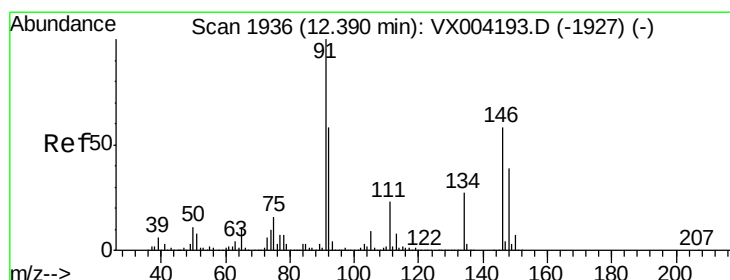
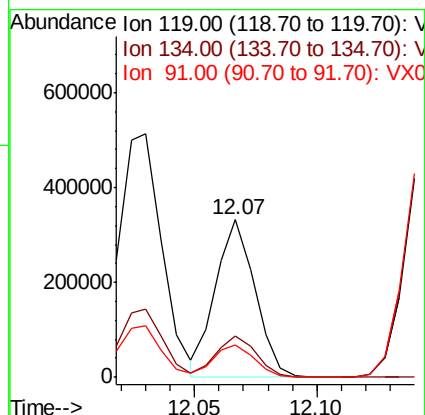
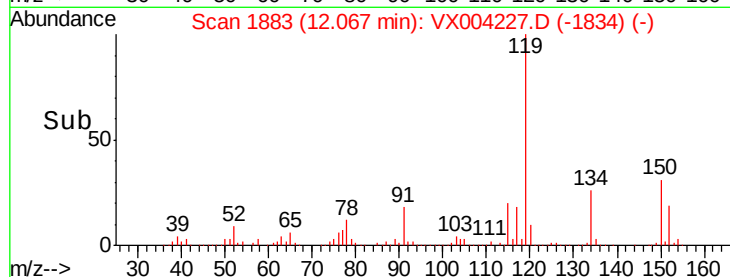
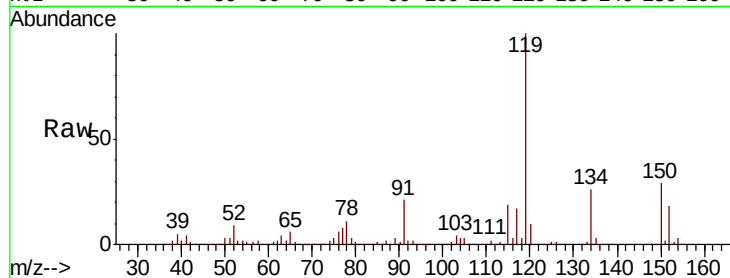
Tot Ion:119 Resp: 371780

Ion Ratio Lower Upper

119 100

134 26.9 13.4 40.2

91 21.4 10.9 32.7



#89

n-Butylbenzene

Concen: 25.01 ug/l

RT: 12.38 min Scan# 1934

Delta R.T. -0.01 min

Lab File: VX004227.D

Acq: 23 Aug 2018 15:26

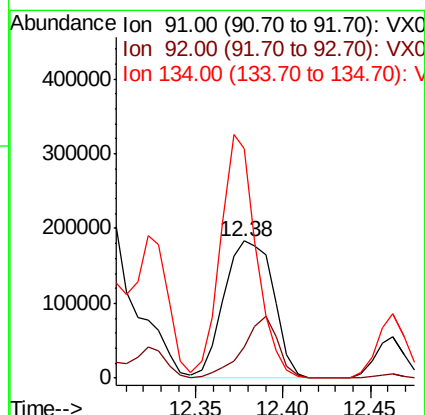
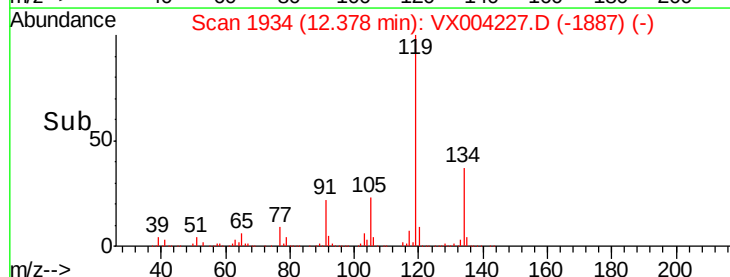
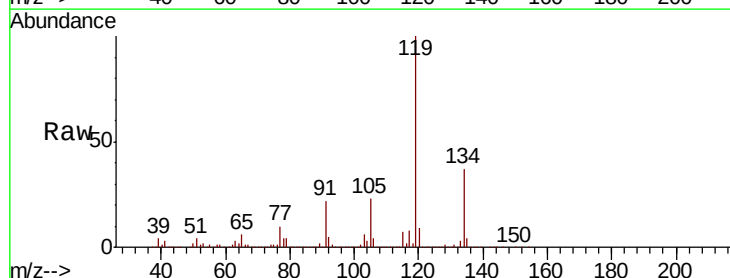
Tgt Ion: 91 Resp: 358165

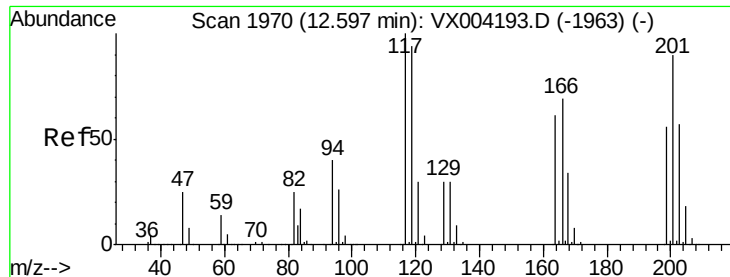
Ion Ratio Lower Upper

91 100

92 32.0 27.3 81.9

134 128.5 13.6 40.7#





#90

Hexachloroethane

Concen: 34.57 ug/l

RT: 12.61 min Scan# 1972

Delta R.T. 0.01 min

Lab File: VX004227.D

Acq: 23 Aug 2018 15:26

Instrument :

MSVOA_X

ClientSampleId :

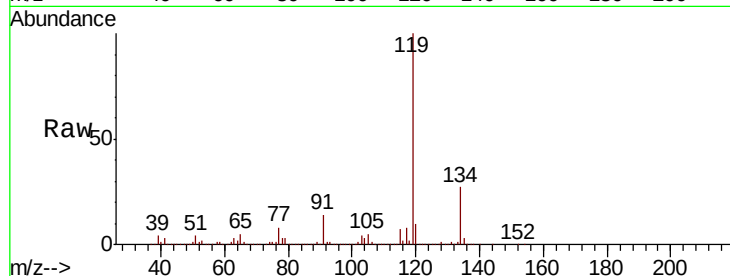
FL-0561

Tot Ion:117 Resp: 85086

Ion Ratio Lower Upper

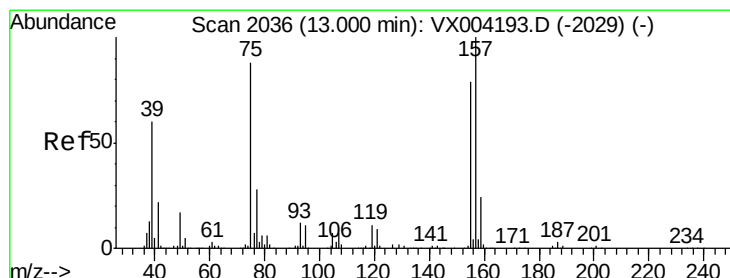
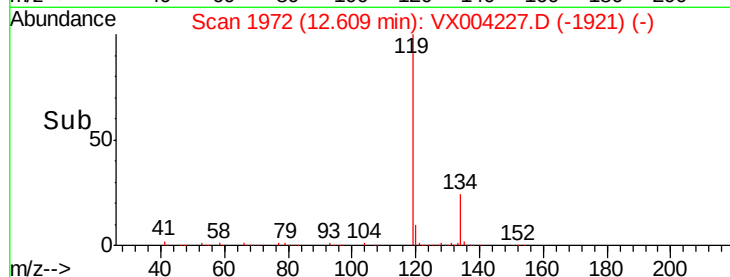
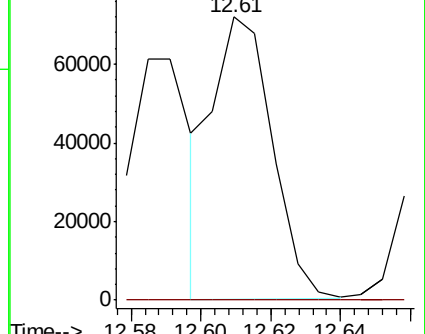
117 100

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: 5.61 ug/l

RT: 13.02 min Scan# 2039

Delta R.T. 0.02 min

Lab File: VX004227.D

Acq: 23 Aug 2018 15:26

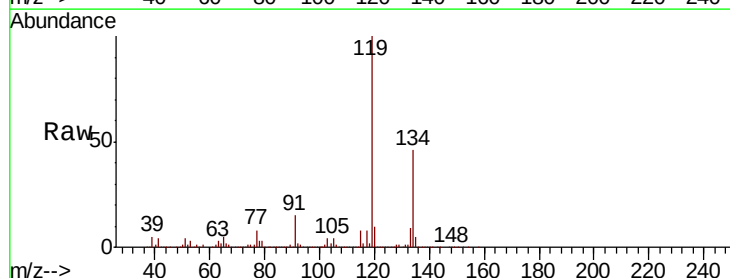
Tgt Ion: 75 Resp: 6874

Ion Ratio Lower Upper

75 100

155 1.0 48.0 144.2#

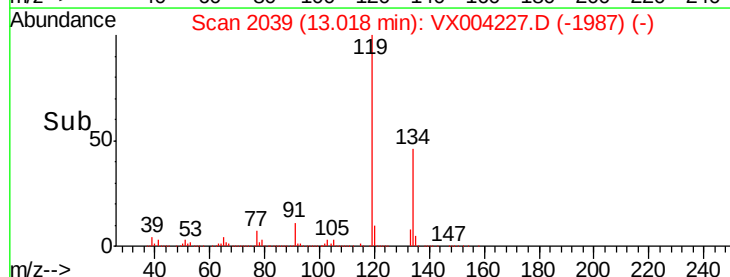
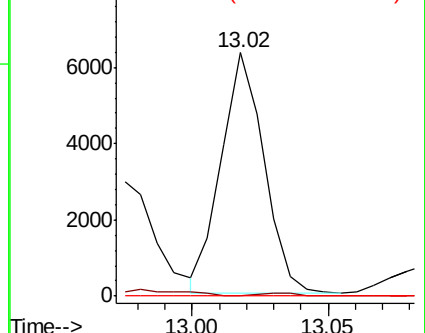
157 0.0 61.4 184.1#

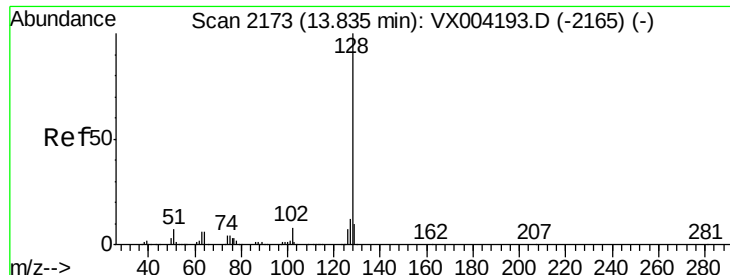


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

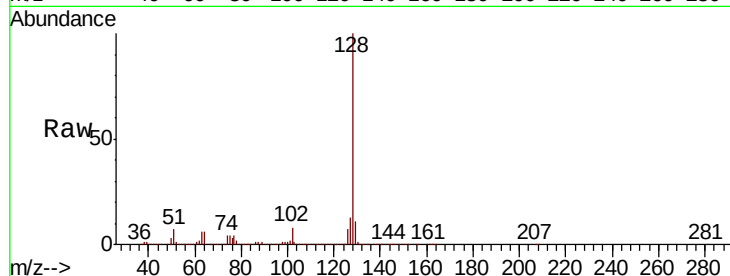




#95
Naphthalene
Concen: 82.52 ug/l
RT: 13.83 min Scan# 2173
Delta R.T. -0.00 min
Lab File: VX004227.D
Acq: 23 Aug 2018 15:26

Instrument :
MSVOA_X
ClientSampleId :
FL-0561

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.2	15.2
129	11.4	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

