

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX082318\
 Data File : VX004228.D
 Acq On : 23 Aug 2018 15:53
 Operator : JC/MD
 Sample : J4579-11
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 FL-0552

Quant Time: Aug 24 09:40:58 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	336918	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	525164	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	466597	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	299710	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	210211	47.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.74%	
35) Dibromofluoromethane	5.50	113	184652	47.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.52%	
50) Toluene-d8	8.71	98	735489	49.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.74%	
62) 4-Bromofluorobenzene	11.14	95	279028	50.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.42%	

Target Compounds

						Qvalue
3) Chloromethane	1.32	50	4106	1.24	ug/l	96
5) Bromomethane	1.65	94	1130	Below	Cal	84
6) Chloroethane	1.93	64	446	1.09	ug/l #	46
10) Methyl Iodide	2.51	142	931	4.46	ug/l #	97
11) Tert butyl alcohol	3.07	59	600	0.64	ug/l #	72
13) Acrolein	2.39	56	55759	247.08	ug/l #	73
14) Allyl chloride	2.84	41	151124	23.05	ug/l #	63
15) Acrylonitrile	3.17	53	46421	20.02	ug/l #	39
16) Acetone	2.44	43	13088	Below	Cal	95
17) Carbon Disulfide	2.57	76	1551	0.95	ug/l	98
18) Methyl Acetate	2.84	43	406496	62.38	ug/l #	51
20) Methylene Chloride	2.87	84	1235	0.29	ug/l #	1
25) 2-Butanone	4.70	43	2738	Below	Cal #	67
26) 2,2-Dichloropropane	4.40	77	22232	3.97	ug/l #	52
29) Tetrahydrofuran	5.23	42	5252	2.78	ug/l #	1
30) Chloroform	5.26	83	6041	0.84	ug/l #	1
31) Cyclohexane	5.57	56	1962773	318.80	ug/l	98
36) 1,1-Dichloropropene	5.66	75	21781	3.69	ug/l #	50
38) Carbon Tetrachloride	5.67	117	29587	5.33	ug/l #	14
39) Methylcyclohexane	7.46	83	1691613	250.95	ug/l	98
41) Methacrylonitrile	5.06	41	1360	0.40	ug/l #	44
43) Isopropyl Acetate	6.45	43	22968	2.57	ug/l #	62
45) 1,2-Dichloropropane	7.46	63	14113	3.20	ug/l #	1
47) Bromodichloromethane	7.85	83	2629	0.48	ug/l #	1
48) Methyl methacrylate	7.73	41	67508	14.14	ug/l #	47
51) 4-Methyl-2-Pentanone	8.66	43	12060	1.86	ug/l #	42
52) Toluene	8.79	92	10035	0.91	ug/l	97
55) 1,1,2-Trichloroethane	9.16	97	64767	14.53	ug/l #	20
56) Ethyl methacrylate	9.16	69	13862	2.28	ug/l #	1
59) 2-Hexanone	9.51	43	1011	0.20	ug/l	85
67) Ethyl Benzene	10.26	91	9947160	523.04	ug/l #	87
68) m/p-Xylenes	10.37	106	11932550	1604.61	ug/l #	63
69) o-Xylene	10.71	106	6002197	853.28	ug/l	82
70) Styrene	10.71	104	307623	27.01	ug/l #	1

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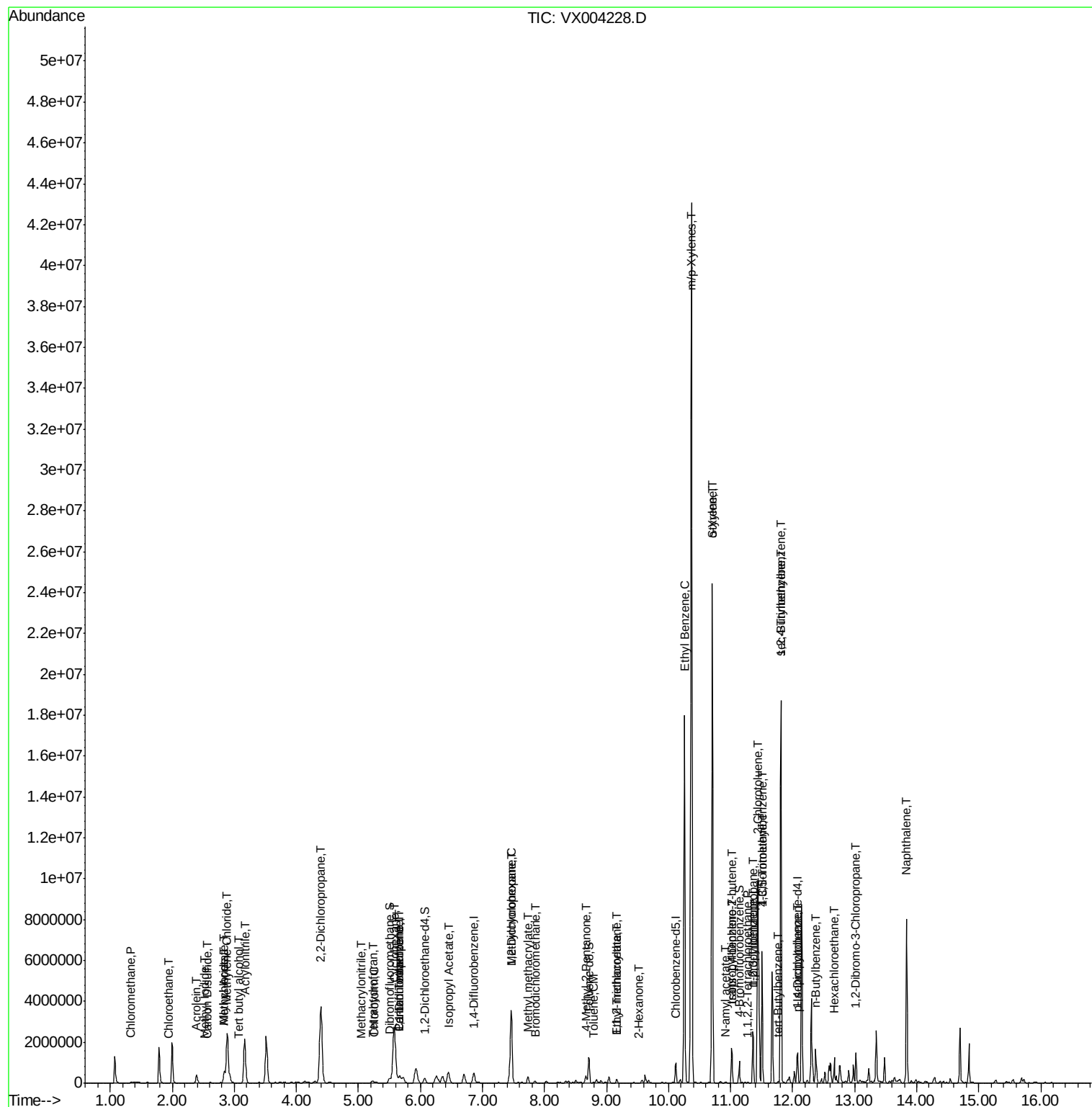
73) Isopropylbenzene	11.02	105	880004	44.71	ug/l	98
74) N-amyl acetate	10.91	43	1680	0.22	ug/l #	1
75) 1,1,2,2-Tetrachloroethane	11.28	83	1509	0.22	ug/l #	61
76) 1,2,3-Trichloropropane	11.36	75	8454	1.39	ug/l #	1
78) n-propylbenzene	11.36	91	1525077	67.36	ug/l	99
79) 2-Chlorotoluene	11.44	91	852939	61.21	ug/l #	39
80) 1,3,5-Trimethylbenzene	11.51	105	2743712	168.31	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.02	75	9497	5.06	ug/l #	69
82) 4-Chlorotoluene	11.51	91	282007	17.20	ug/l #	44
83) tert-Butylbenzene	11.77	119	33322	2.03	ug/l #	46
84) 1,2,4-Trimethylbenzene	11.81	105	7617577	455.23	ug/l	94
85) sec-Butylbenzene	11.81	105	7617577	391.20	ug/l #	55
86) p-Isopropyltoluene	12.07	119	166956	9.57	ug/l	100
89) n-Butylbenzene	12.38	91	248401	17.51	ug/l #	26
90) Hexachloroethane	12.67	117	49476	20.28	ug/l #	3
92) 1,2-Dibromo-3-Chloropropan	13.02	75	4140	3.41	ug/l #	1
94) Hexachlorobutadiene	13.79	225	212	Below	Cal	92
95) Naphthalene	13.83	128	4921630	251.70	ug/l	98

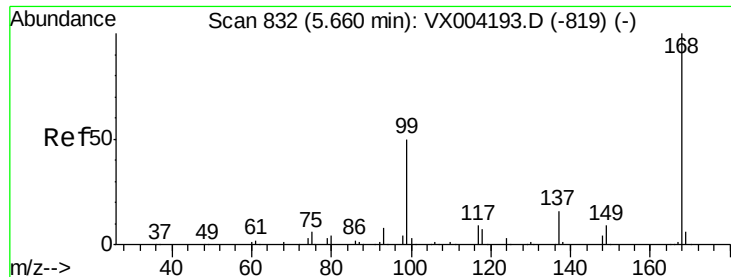
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VX004228.D

Acq: 23 Aug 2018 15:53

Instrument :

MSVOA_X

ClientSampleId :

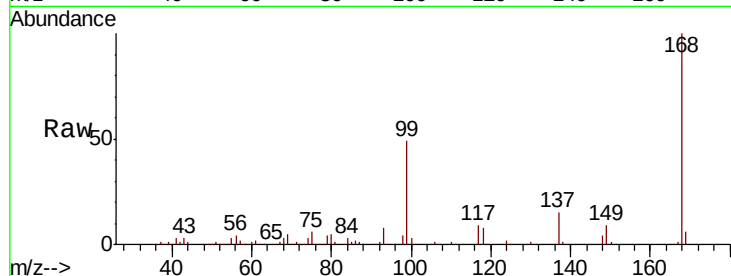
FL-0552

Tot Ion:168 Resp: 336918

Ion Ratio Lower Upper

168 100

99 48.8 39.9 59.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

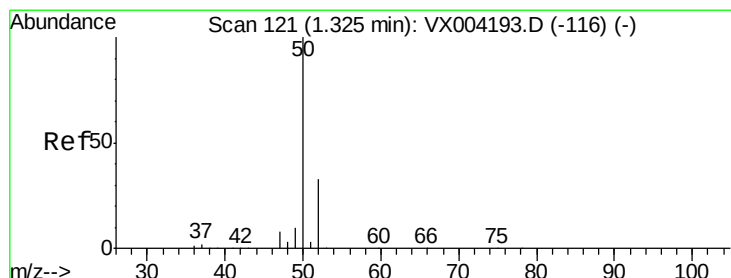
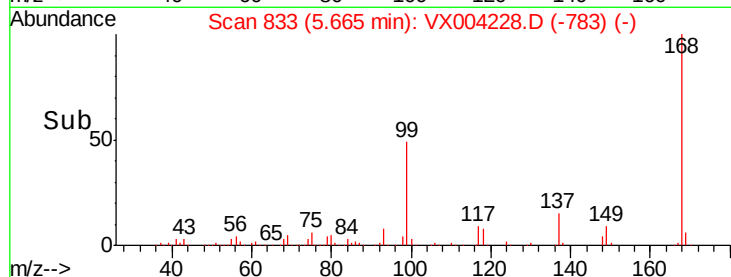
5.67

100000

50000

0

Time-->



#3

Chloromethane

Concen: 1.24 ug/l

RT: 1.32 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX004228.D

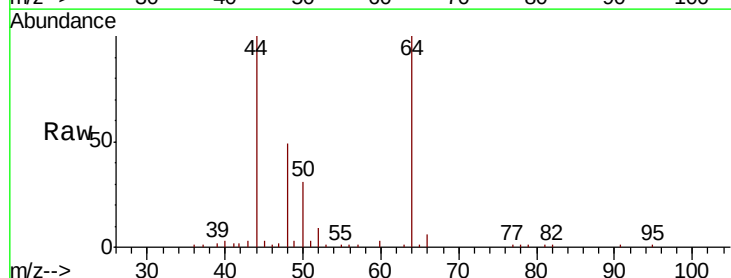
Acq: 23 Aug 2018 15:53

Tgt Ion: 50 Resp: 4106

Ion Ratio Lower Upper

50 100

52 30.2 26.2 39.2



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.32

2500

2000

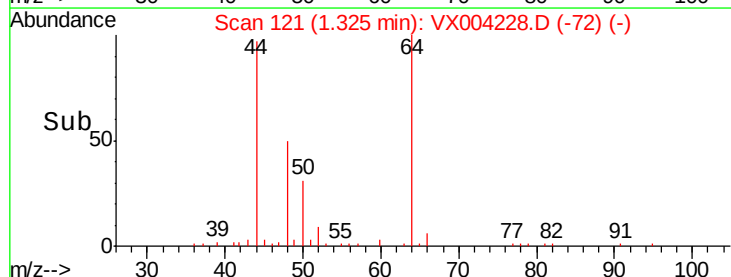
1500

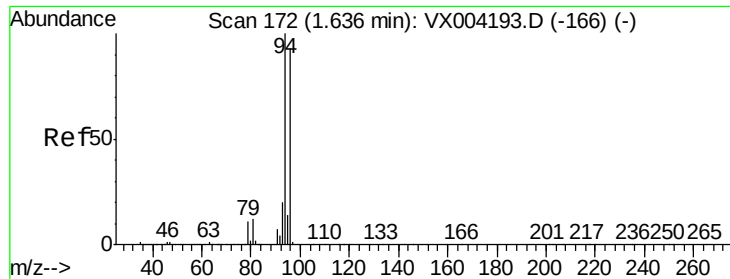
1000

500

0

Time-->





#5

Bromomethane

Concen: Below Cal

RT: 1.65 min Scan# 174

Delta R.T. 0.01 min

Lab File: VX004228.D

Acq: 23 Aug 2018 15:53

Instrument :

MSVOA_X

ClientSampled :

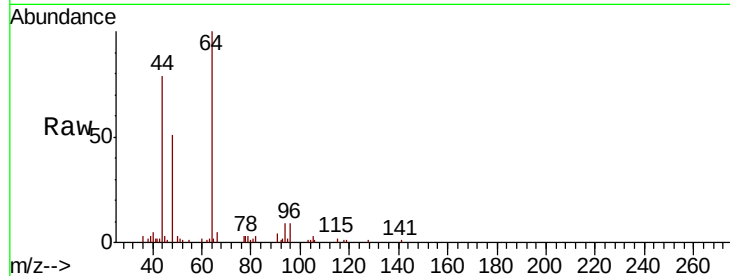
FL-0552

Tot Ion: 94 Resp: 1130

Ion Ratio Lower Upper

94 100

96 77.4 74.5 111.7



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.65

600

500

400

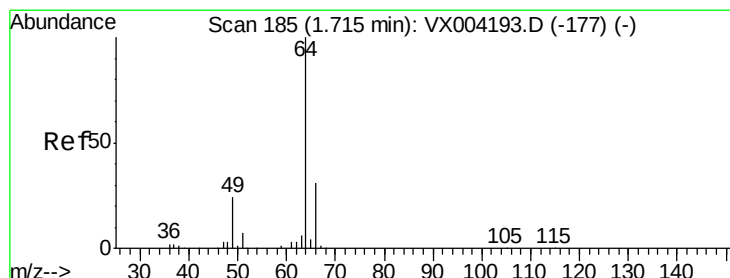
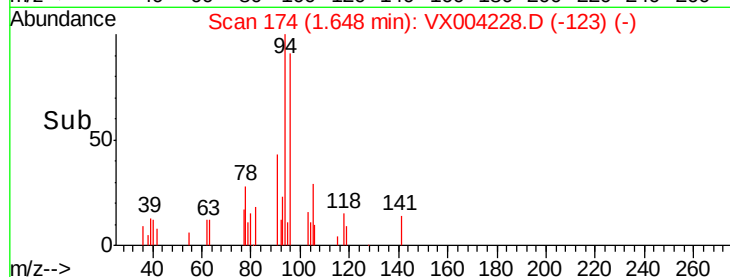
300

200

100

0

Time--> 1.60 1.65 1.70



#6

Chloroethane

Concen: 1.09 ug/l

RT: 1.93 min Scan# 221

Delta R.T. 0.22 min

Lab File: VX004228.D

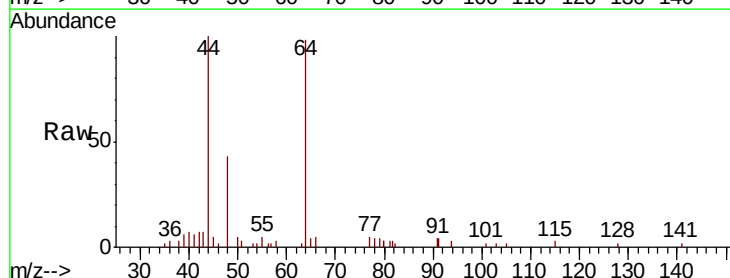
Acq: 23 Aug 2018 15:53

Tgt Ion: 64 Resp: 446

Ion Ratio Lower Upper

64 100

66 0.9 24.6 36.8#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

1.93

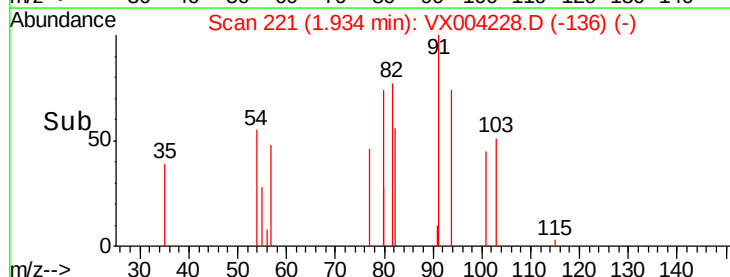
3000

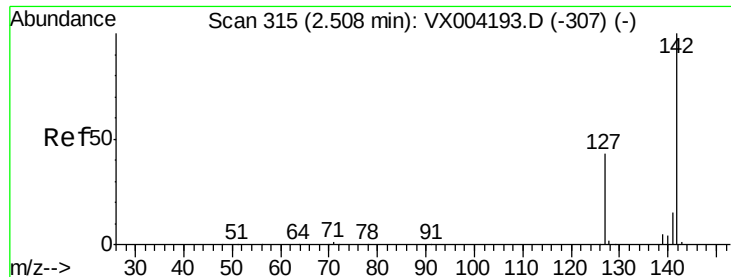
2000

1000

0

Time--> 1.92 1.94 1.96 1.98

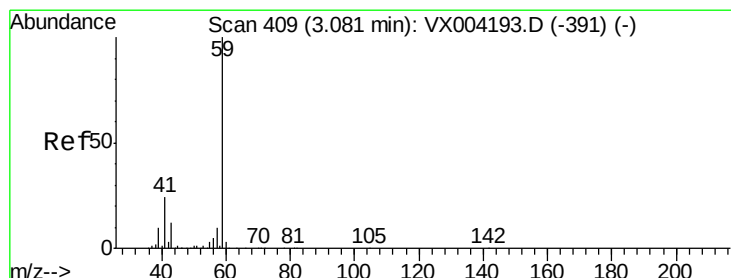
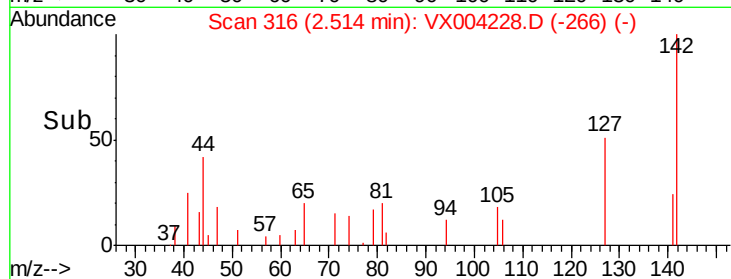
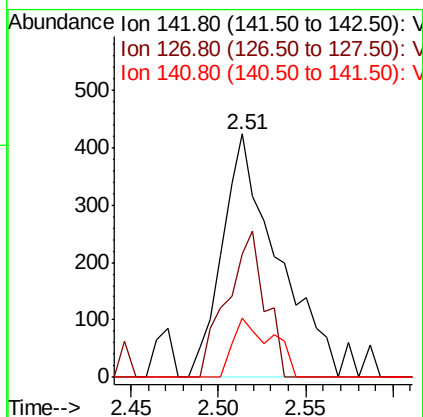
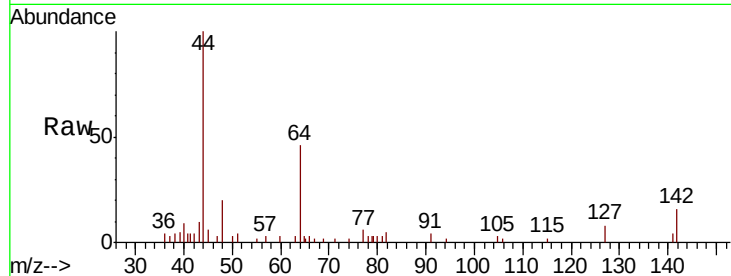




#10
Methyl Iodide
Concen: 4.46 ug/l
RT: 2.51 min Scan# 316
Delta R.T. 0.01 min
Lab File: VX004228.D
Acq: 23 Aug 2018 15:53

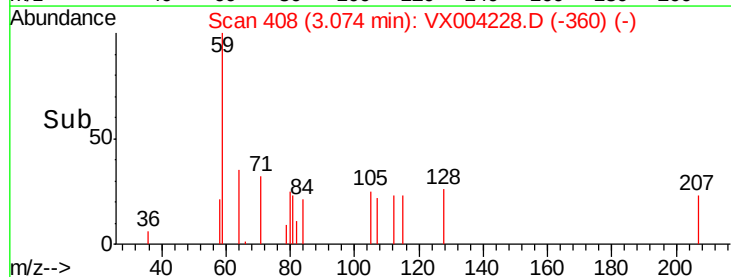
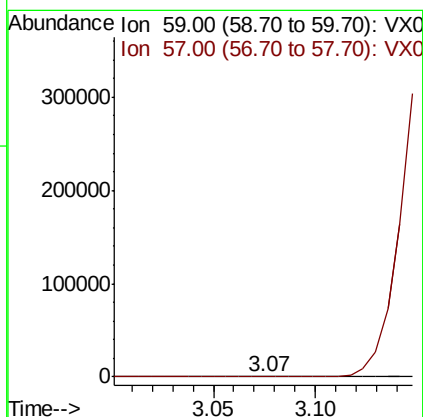
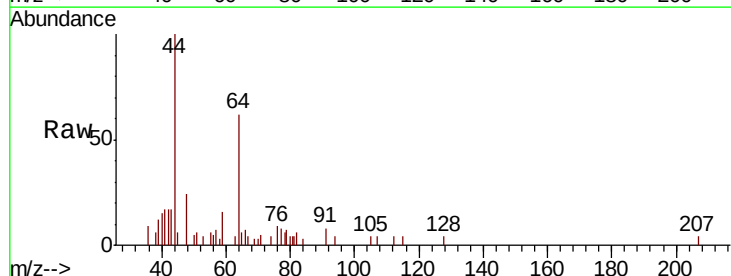
Instrument :
MSVOA_X
ClientSampled :
FL-0552

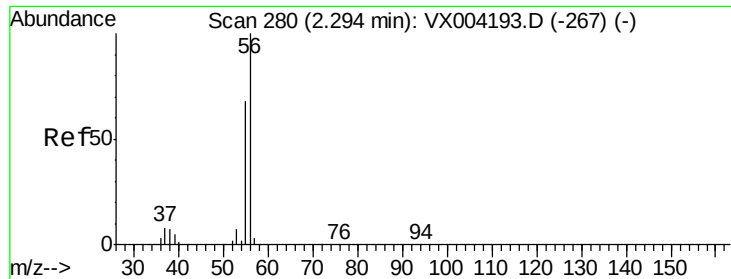
Tot Ion:142 Resp: 931
Ion Ratio Lower Upper
142 100
127 41.4 33.8 50.6
141 17.1 11.4 17.0#



#11
Tert butyl alcohol
Concen: 0.64 ug/l
RT: 3.07 min Scan# 408
Delta R.T. -0.01 min
Lab File: VX004228.D
Acq: 23 Aug 2018 15:53

Tgt Ion: 59 Resp: 600
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#





#13

Acrolein

Concen: 247.08 ug/l

RT: 2.39 min Scan# 296

Delta R.T. 0.10 min

Lab File: VX004228.D

Acq: 23 Aug 2018 15:53

Instrument :

MSVOA_X

ClientSampleId :

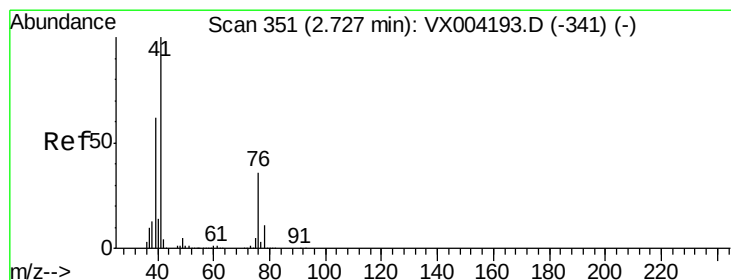
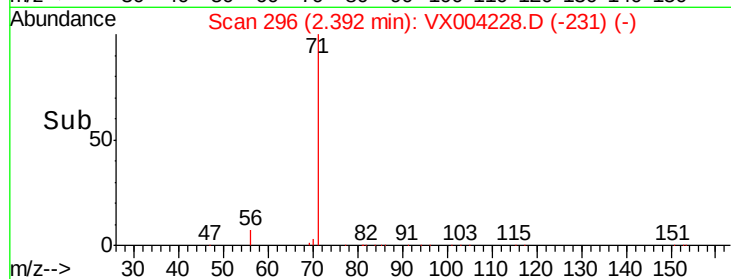
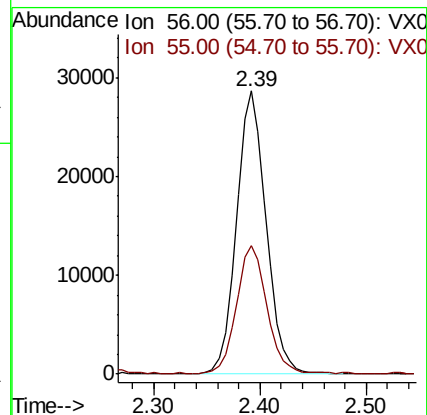
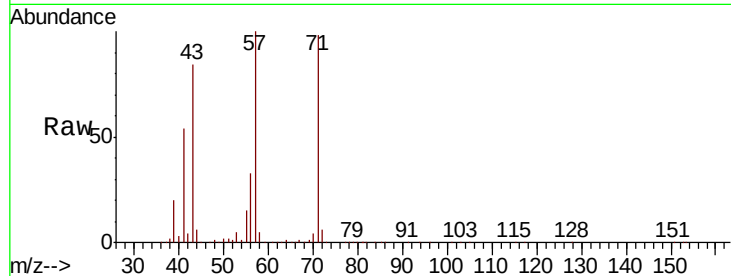
FL-0552

Tot Ion: 56 Resp: 55759

Ion Ratio Lower Upper

56 100

55 46.4 54.7 82.1#



#14

Allyl chloride

Concen: 23.05 ug/l

RT: 2.84 min Scan# 369

Delta R.T. 0.11 min

Lab File: VX004228.D

Acq: 23 Aug 2018 15:53

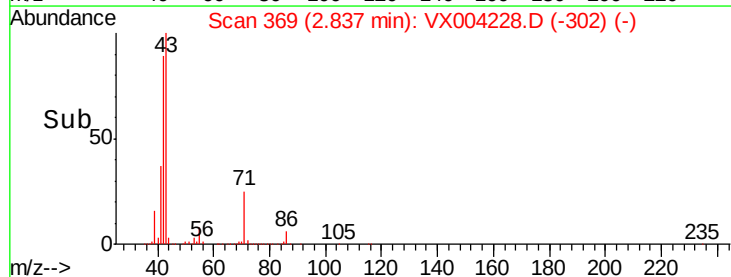
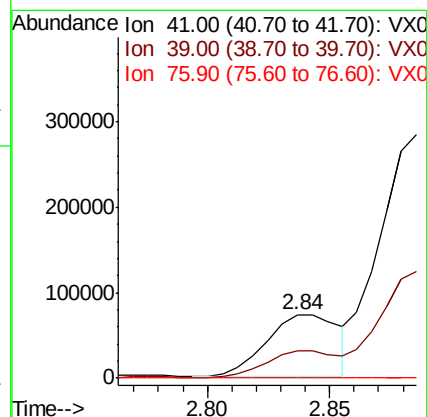
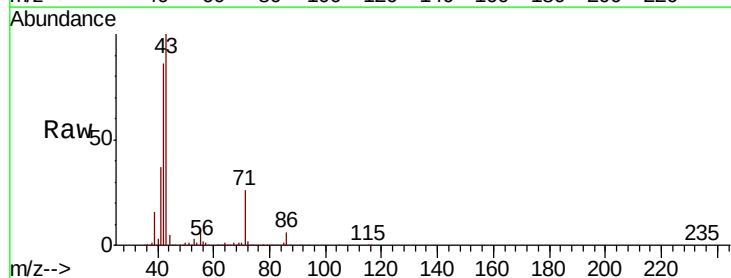
Tgt Ion: 41 Resp: 151124

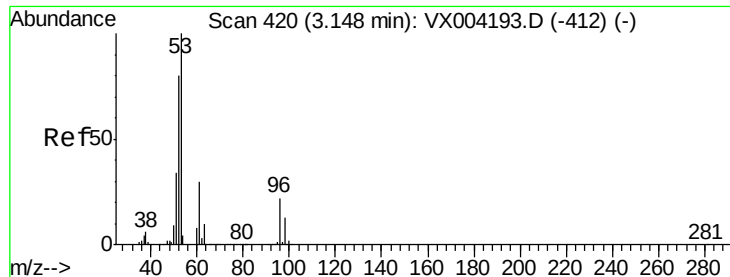
Ion Ratio Lower Upper

41 100

39 42.5 48.9 73.3#

76 0.0 26.7 40.1#





#15

Acrylonitrile

Concen: 20.02 ug/l

RT: 3.17 min Scan# 423

Delta R.T. 0.02 min

Lab File: VX004228.D

Acq: 23 Aug 2018 15:53

Instrument :

MSVOA_X

ClientSampleId :

FL-0552

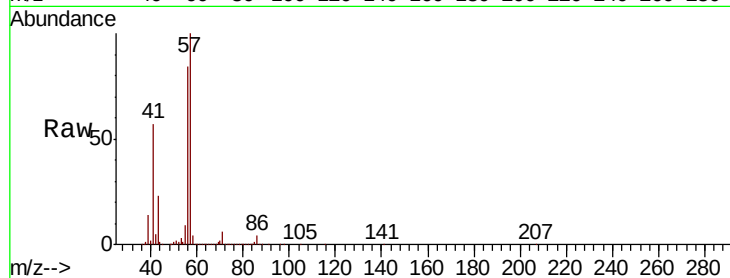
Tot Ion: 53 Resp: 46421

Ion Ratio Lower Upper

53 100

52 19.4 65.2 97.8#

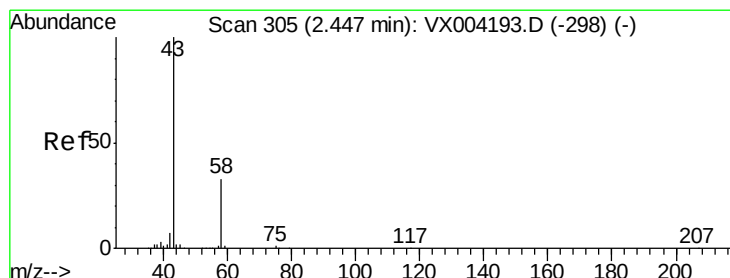
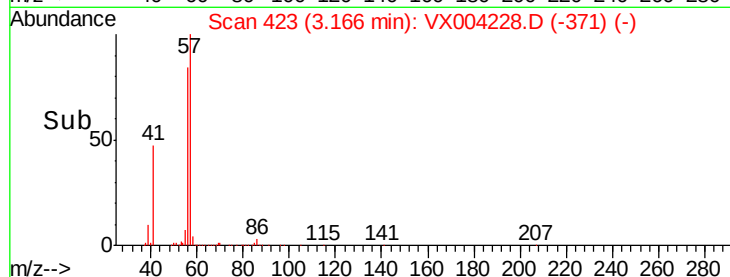
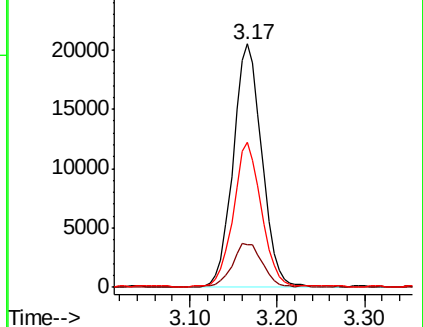
51 58.2 28.2 42.2#



Abundance Ion 53.00 (52.70 to 53.70): VX0

Ion 52.00 (51.70 to 52.70): VX0

Ion 51.00 (50.70 to 51.70): VX0



#16

Acetone

Concen: Below Cal

RT: 2.44 min Scan# 304

Delta R.T. -0.01 min

Lab File: VX004228.D

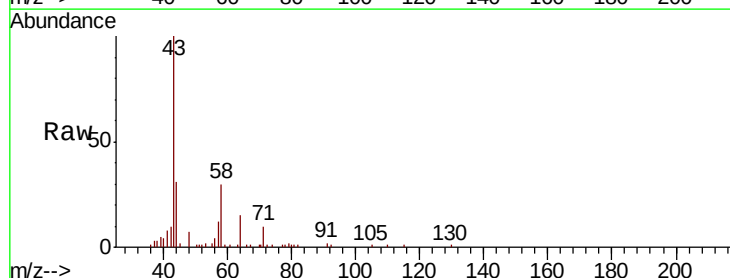
Acq: 23 Aug 2018 15:53

Tgt Ion: 43 Resp: 13088

Ion Ratio Lower Upper

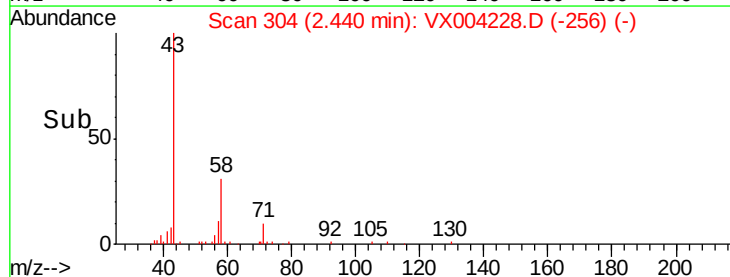
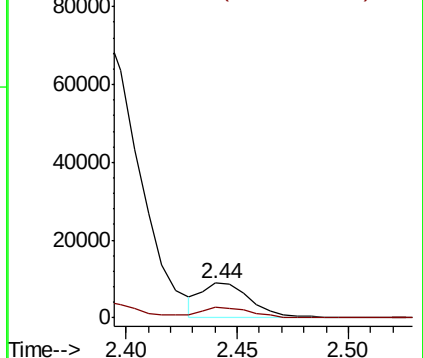
43 100

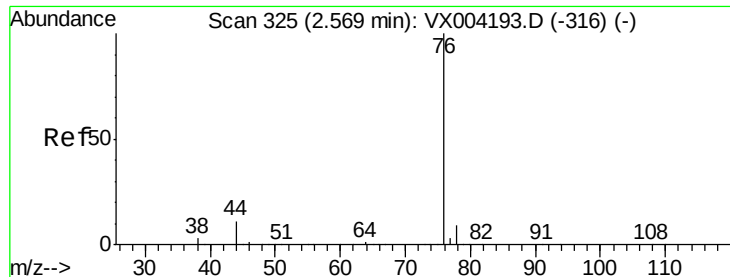
58 30.1 26.2 39.4



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#17

Carbon Disulfide

Concen: 0.95 ug/l

RT: 2.57 min Scan# 325

Delta R.T. 0.00 min

Lab File: VX004228.D

Acq: 23 Aug 2018 15:53

Instrument :

MSVOA_X

ClientSampled :

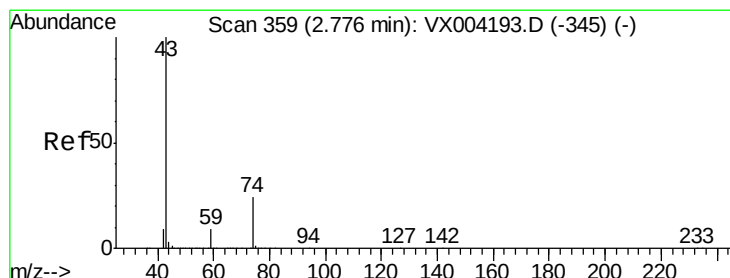
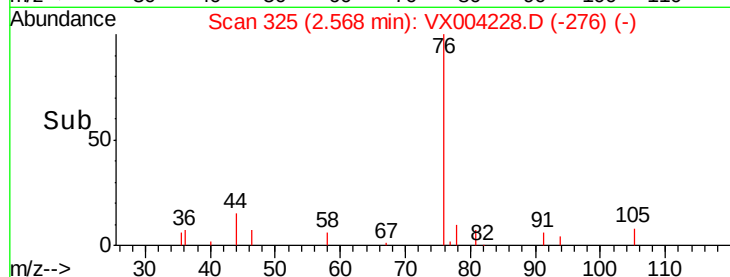
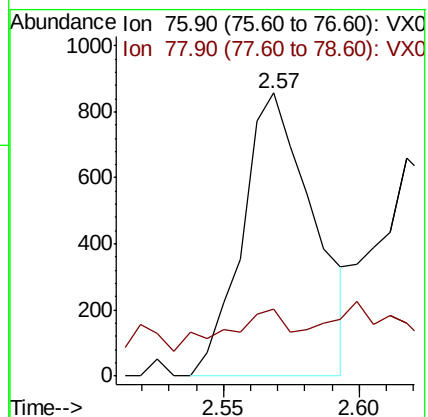
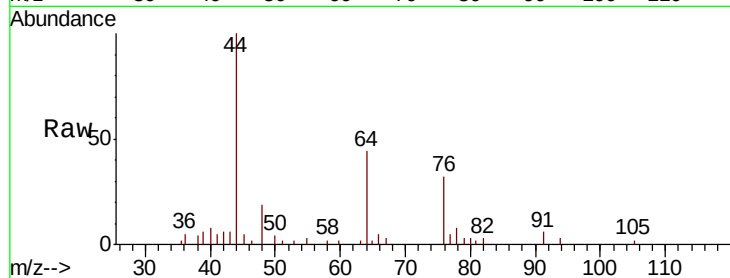
FL-0552

Tot Ion: 76 Resp: 1551

Ion Ratio Lower Upper

76 100

78 8.1 7.0 10.6



#18

Methyl Acetate

Concen: 62.38 ug/l

RT: 2.84 min Scan# 369

Delta R.T. 0.06 min

Lab File: VX004228.D

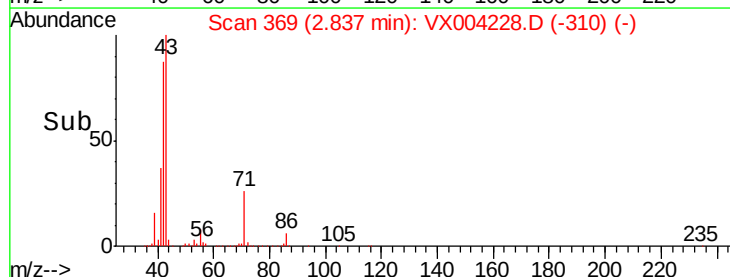
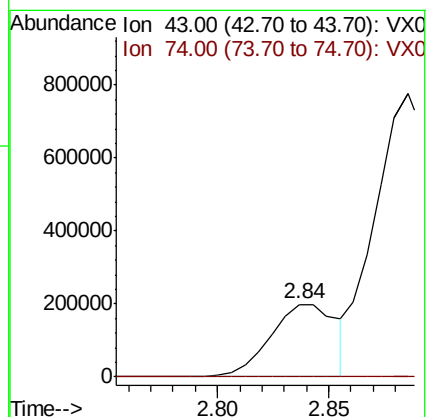
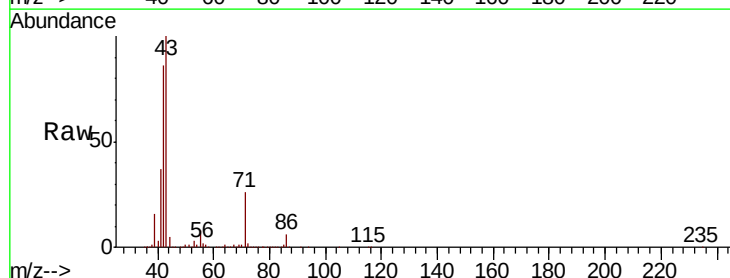
Acq: 23 Aug 2018 15:53

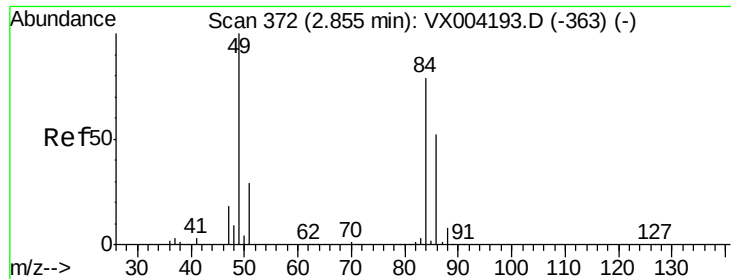
Tgt Ion: 43 Resp: 406496

Ion Ratio Lower Upper

43 100

74 0.1 19.4 29.2#

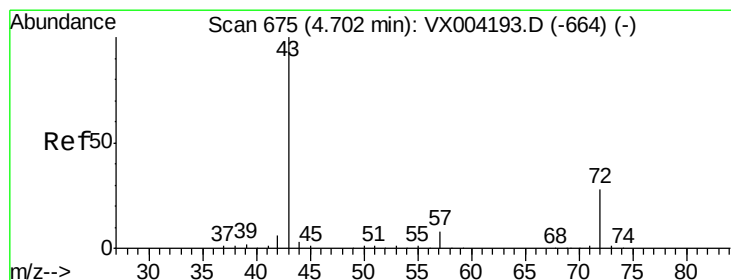
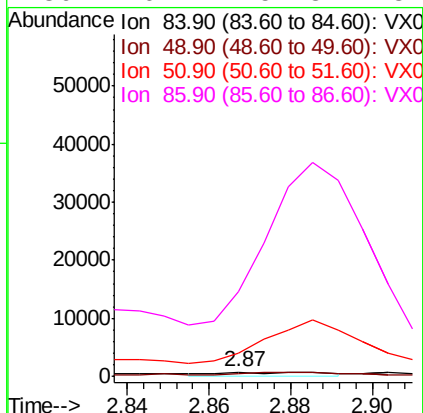
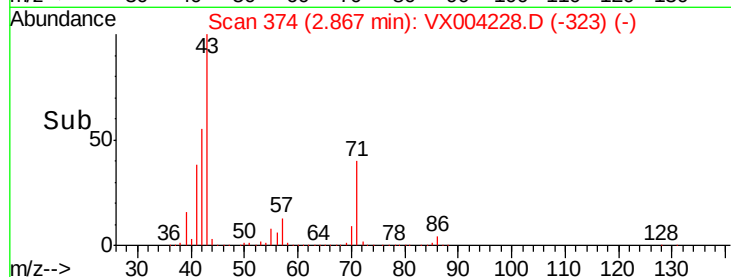
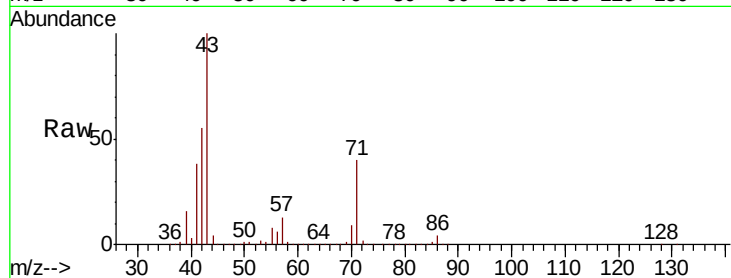




#20
Methvlene Chloride
Concen: 0.29 ua/l
RT: 2.87 min Scan# 374
Delta R.T. 0.01 min
Lab File: VX004228.D
Acq: 23 Aug 2018 15:53

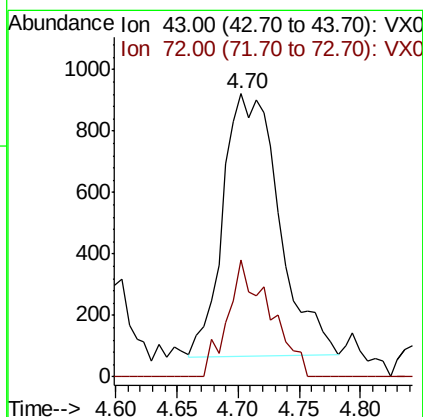
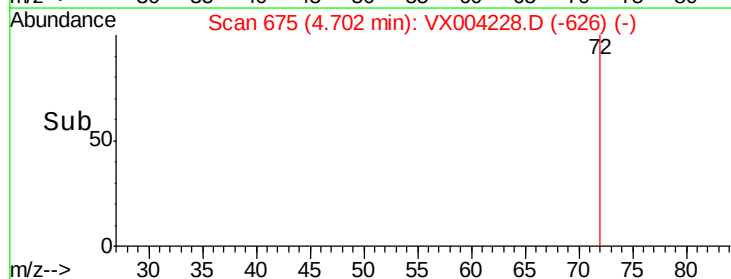
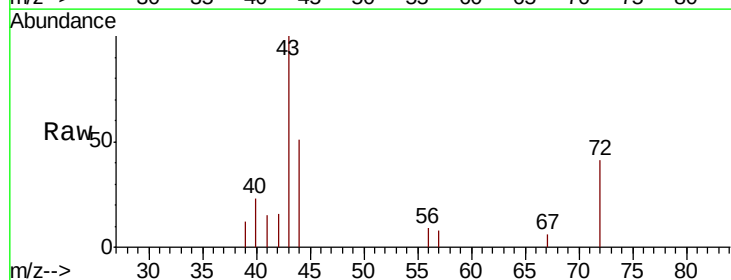
Instrument :
MSVOA_X
ClientSampled :
FL-0552

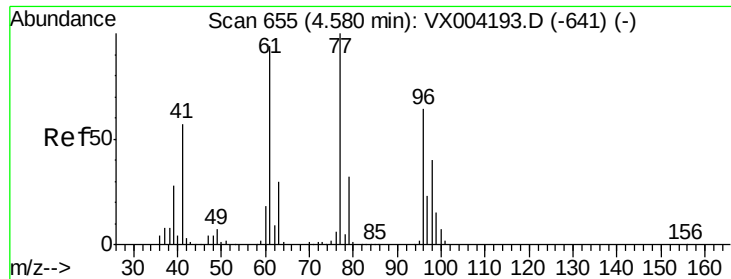
Tot Ion	Ratio	Lower	Upper
84	100		
49	24.0	101.2	151.8#
51	465.8	29.5	44.3#
86	1467.1	52.3	78.5#



#25
2-Butanone
Concen: Below Cal
RT: 4.70 min Scan# 675
Delta R.T. 0.00 min
Lab File: VX004228.D
Acq: 23 Aug 2018 15:53

Tgt Ion	Ratio	Lower	Upper
43	100		
72	44.5	22.0	33.0#

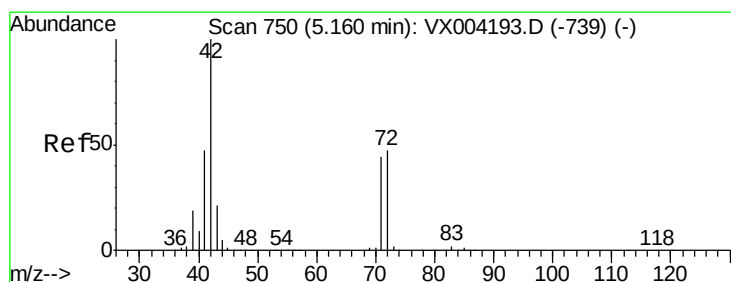
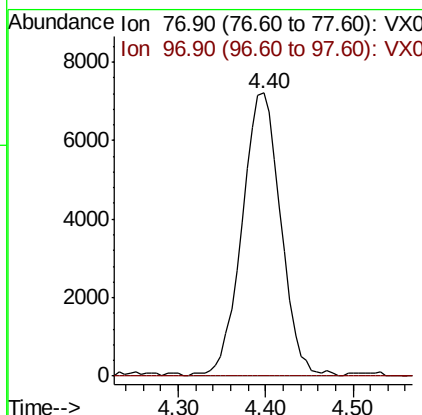
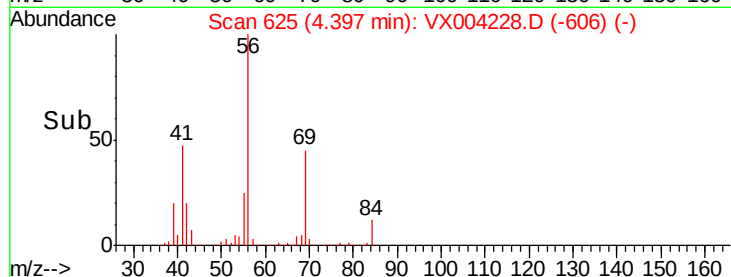
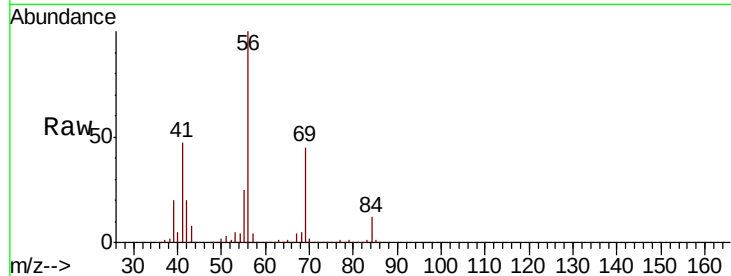




#26
 2,2-Dichloropropane
 Concen: 3.97 ug/l
 RT: 4.40 min Scan# 625
 Delta R.T. -0.18 min
 Lab File: VX004228.D
 Acq: 23 Aug 2018 15:53

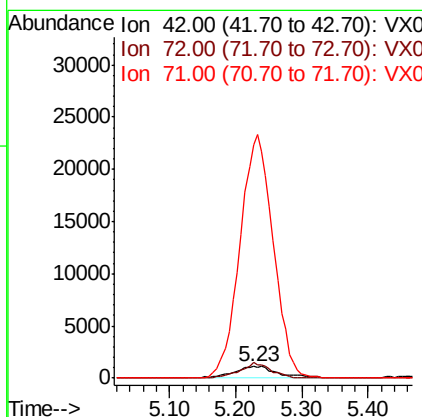
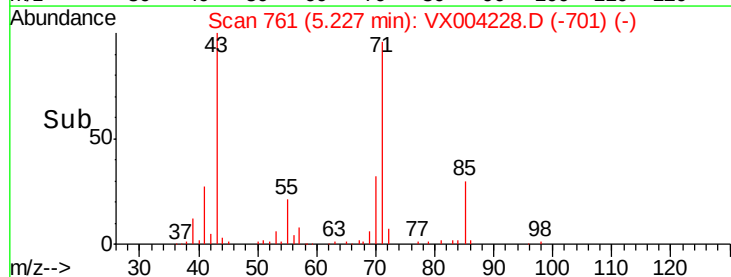
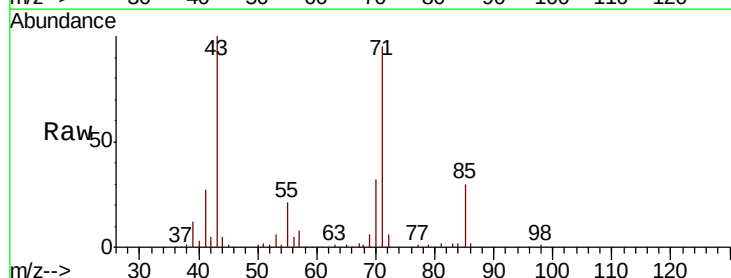
Instrument :
 MSVOA_X
 ClientSampleId :
 FL-0552

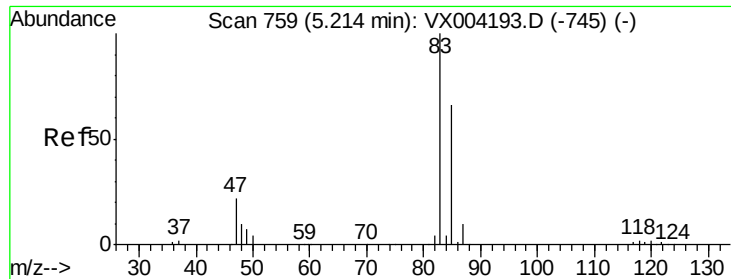
Tot Ion: 77 Resp: 22232
 Ion Ratio Lower Upper
 77 100
 97 0.0 11.7 35.0#



#29
 Tetrahydrofuran
 Concen: 2.78 ug/l
 RT: 5.23 min Scan# 761
 Delta R.T. 0.07 min
 Lab File: VX004228.D
 Acq: 23 Aug 2018 15:53

Tgt Ion: 42 Resp: 5252
 Ion Ratio Lower Upper
 42 100
 72 91.5 37.4 56.0#
 71 1553.0 34.5 51.7#

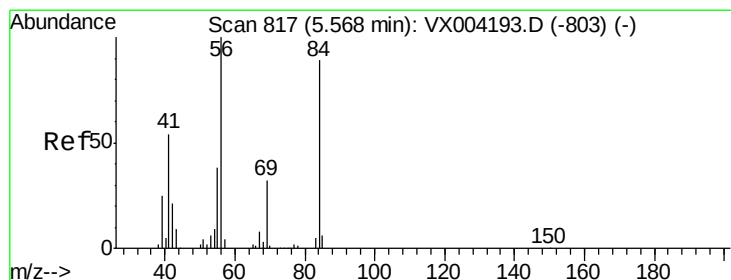
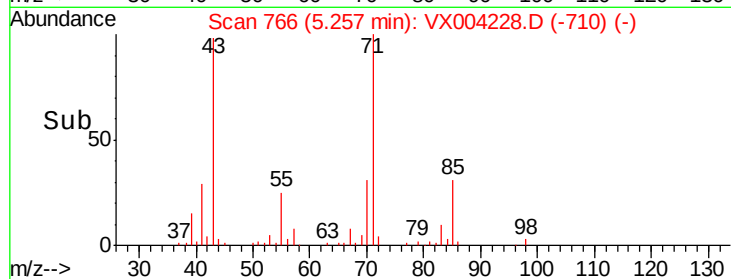
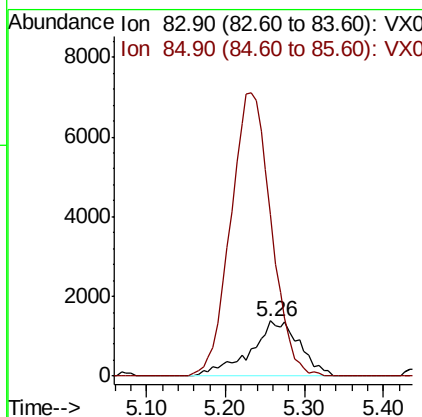
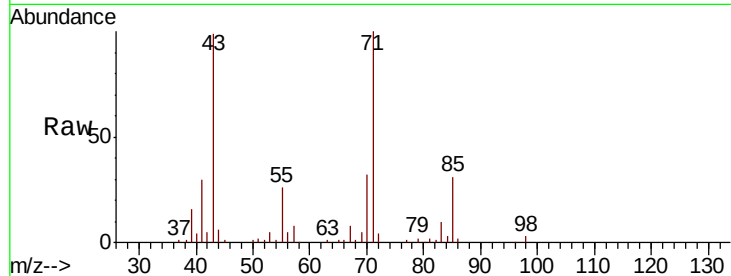




#30
Chloroform
Concen: 0.84 ug/l
RT: 5.26 min Scan# 766
Delta R.T. 0.04 min
Lab File: VX004228.D
Acq: 23 Aug 2018 15:53

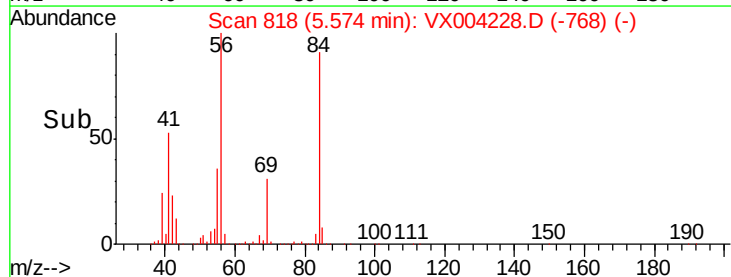
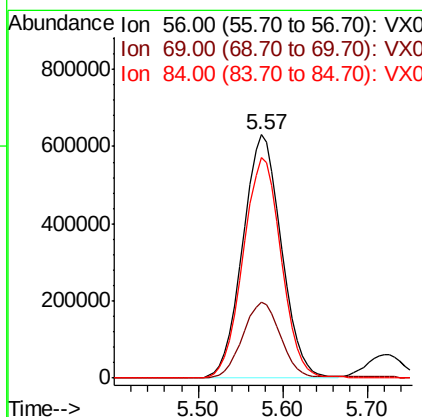
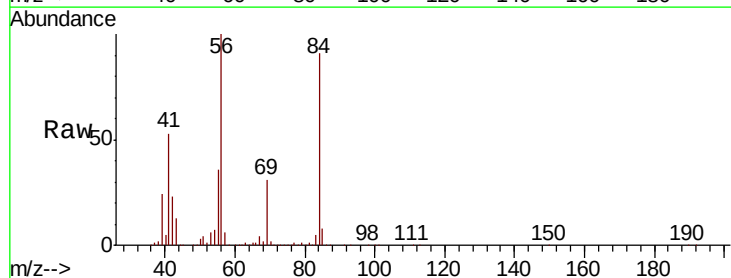
Instrument :
MSVOA_X
ClientSampled :
FL-0552

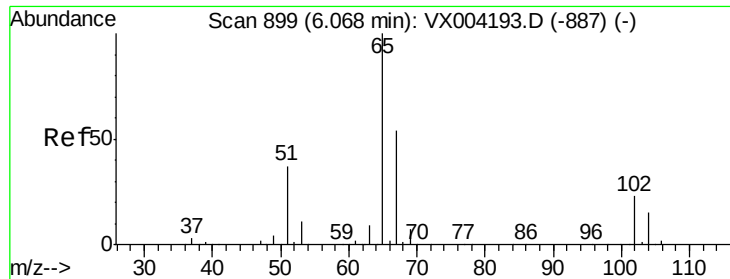
Tot Ion: 83 Resp: 6041
Ion Ratio Lower Upper
83 100
85 294.1 52.6 79.0#



#31
Cyclohexane
Concen: 318.80 ug/l
RT: 5.57 min Scan# 818
Delta R.T. 0.01 min
Lab File: VX004228.D
Acq: 23 Aug 2018 15:53

Tgt Ion: 56 Resp: 1962773
Ion Ratio Lower Upper
56 100
69 31.0 25.4 38.2
84 90.8 71.4 107.2

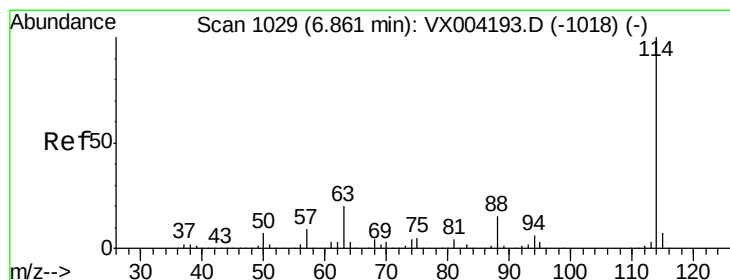
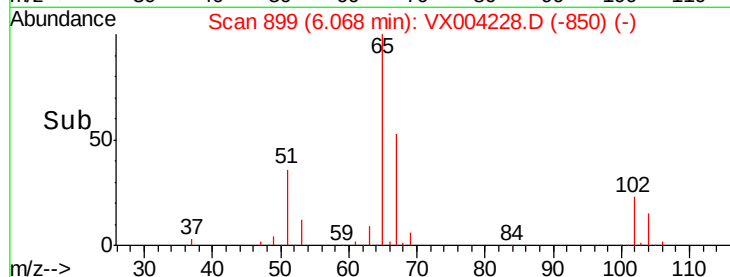
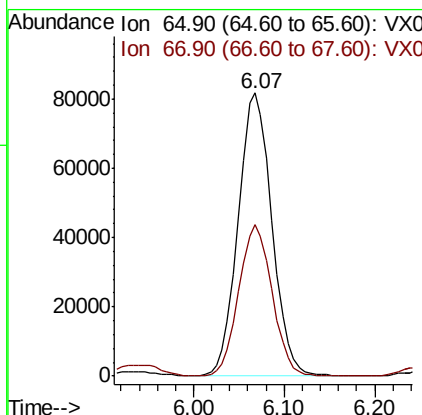
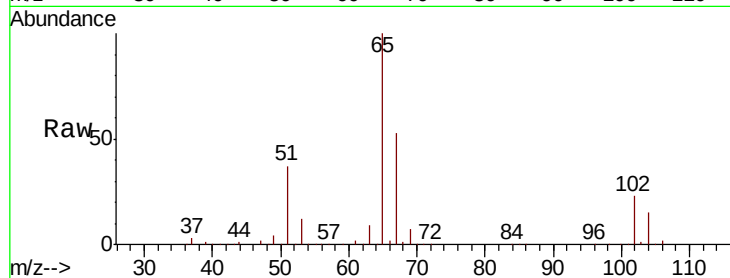




#33
 1,2-Dichloroethane-d4
 Concen: 47.87 ug/l
 RT: 6.07 min Scan# 899
 Delta R.T. -0.00 min
 Lab File: VX004228.D
 Acq: 23 Aug 2018 15:53

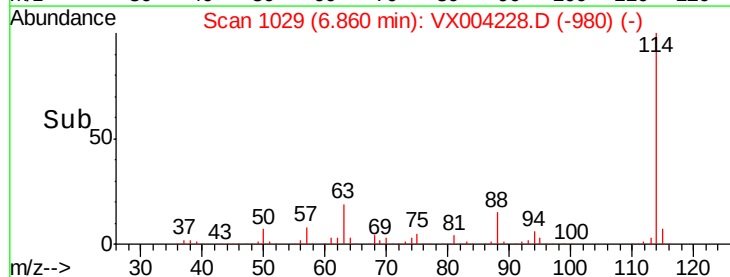
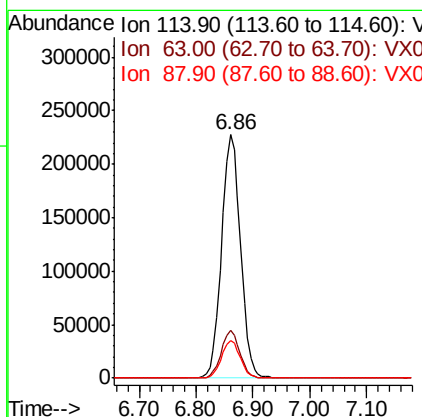
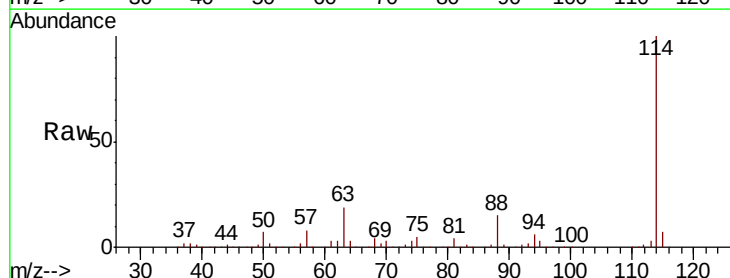
Instrument :
 MSVOA_X
 ClientSampleId :
 FL-0552

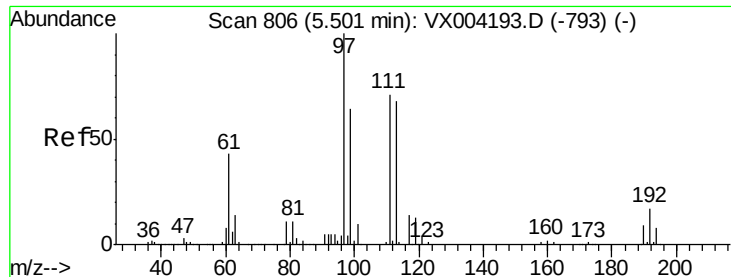
Tot Ion: 65 Resp: 210211
 Ion Ratio Lower Upper
 65 100
 67 52.7 0.0 106.8



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.86 min Scan# 1029
 Delta R.T. -0.00 min
 Lab File: VX004228.D
 Acq: 23 Aug 2018 15:53

Tgt Ion: 114 Resp: 525164
 Ion Ratio Lower Upper
 114 100
 63 19.4 0.0 39.0
 88 15.3 0.0 30.4

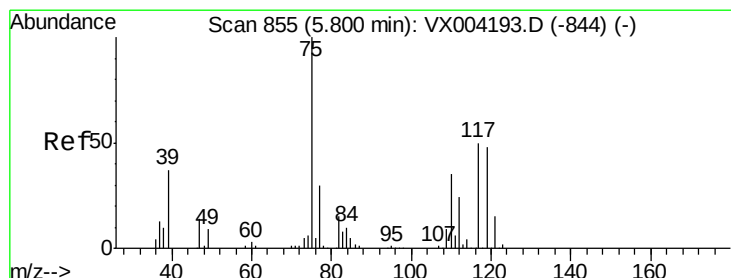
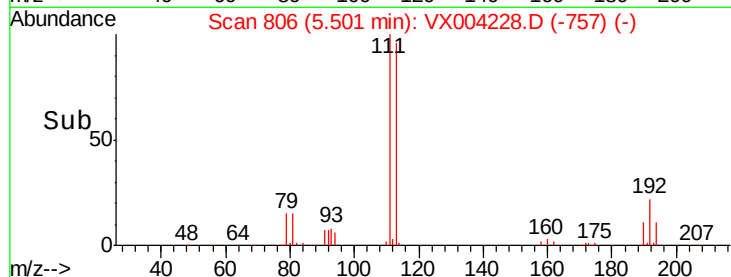
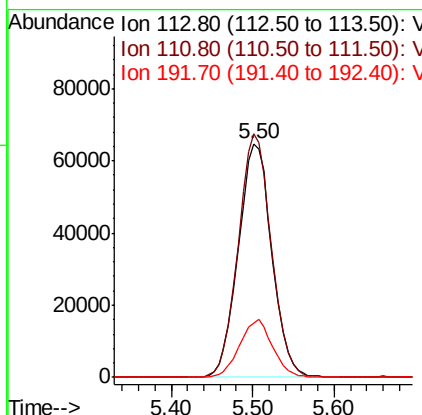
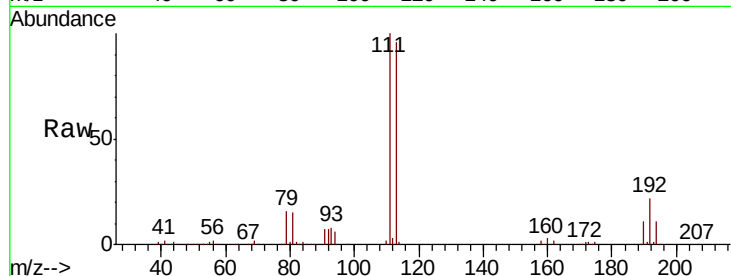




#35
 Dibromofluoromethane
 Concen: 47.26 ug/l
 RT: 5.50 min Scan# 806
 Delta R.T. -0.00 min
 Lab File: VX004228.D
 Acq: 23 Aug 2018 15:53

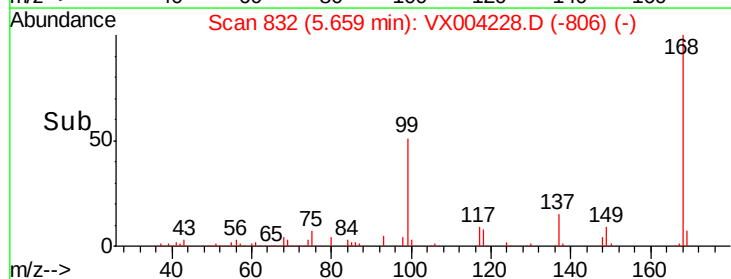
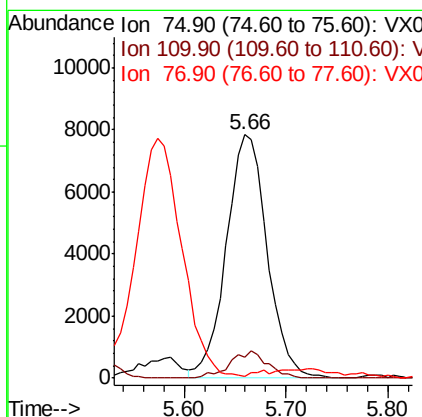
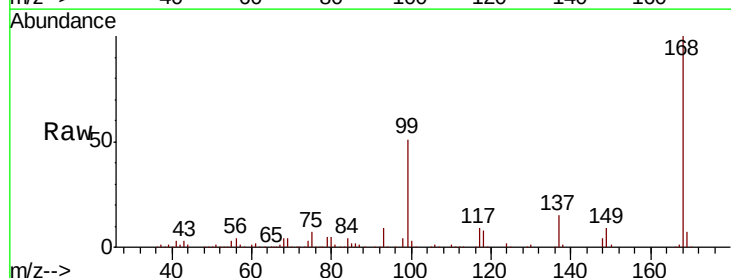
Instrument :
 MSVOA_X
 ClientSampleId :
 FL-0552

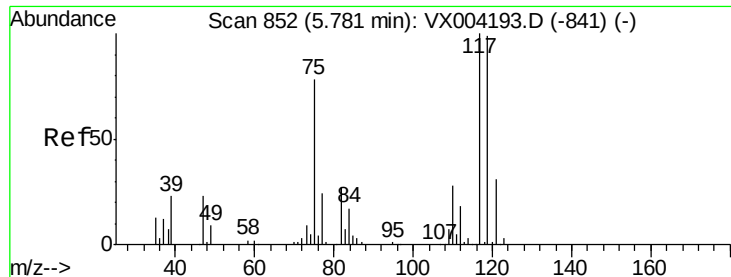
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.9	82.4	123.6
192	24.2	19.4	29.2



#36
 1,1-Dichloropropene
 Concen: 3.69 ug/l
 RT: 5.66 min Scan# 832
 Delta R.T. -0.14 min
 Lab File: VX004228.D
 Acq: 23 Aug 2018 15:53

Tgt Ion	Ratio	Lower	Upper
75	100		
110	10.1	18.0	54.0#
77	0.0	24.6	36.8#





#38

Carbon Tetrachloride

Concen: 5.33 ug/l

RT: 5.67 min Scan# 833

Delta R.T. -0.12 min

Lab File: VX004228.D

Acq: 23 Aug 2018 15:53

Instrument :

MSVOA_X

ClientSampleId :

FL-0552

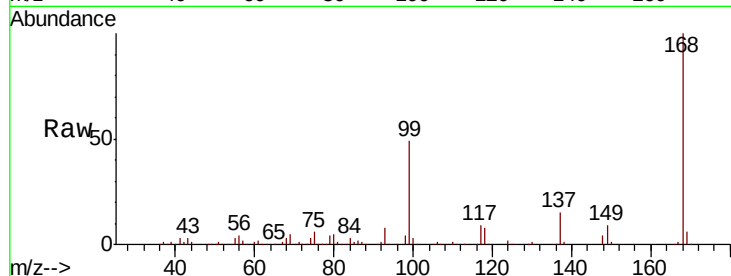
Tot Ion:117 Resp: 29587

Ion Ratio Lower Upper

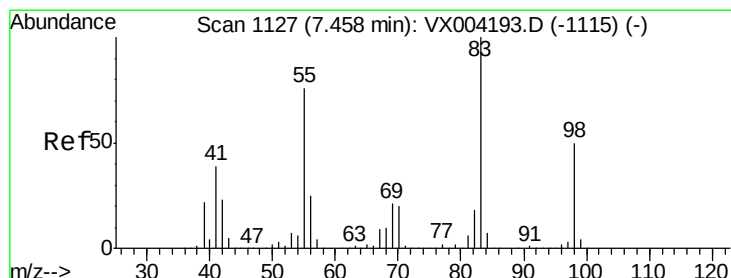
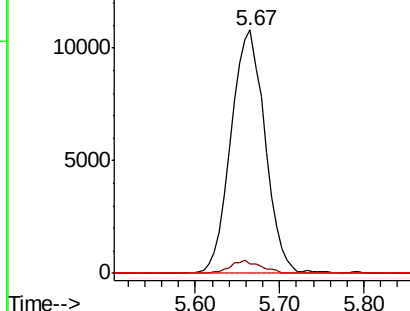
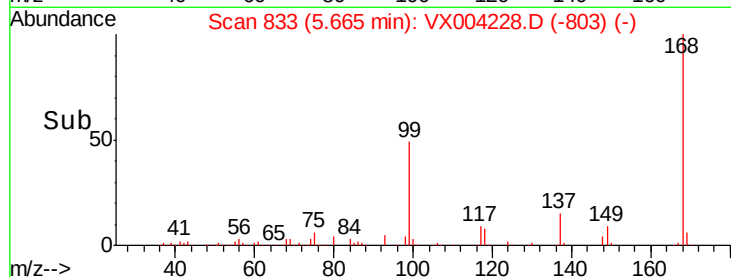
117 100

119 3.9 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: 250.95 ug/l

RT: 7.46 min Scan# 1128

Delta R.T. 0.01 min

Lab File: VX004228.D

Acq: 23 Aug 2018 15:53

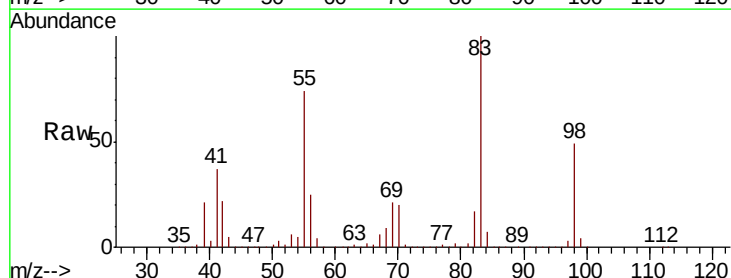
Tgt Ion: 83 Resp: 1691613

Ion Ratio Lower Upper

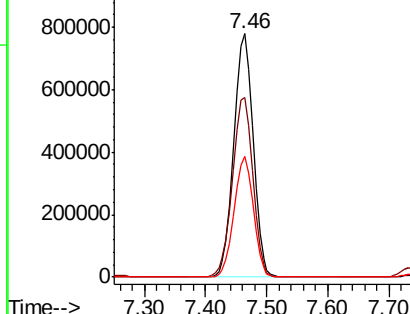
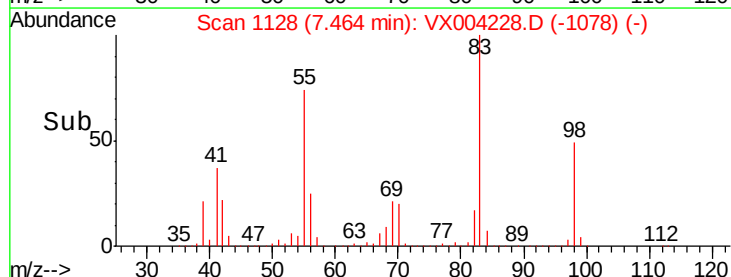
83 100

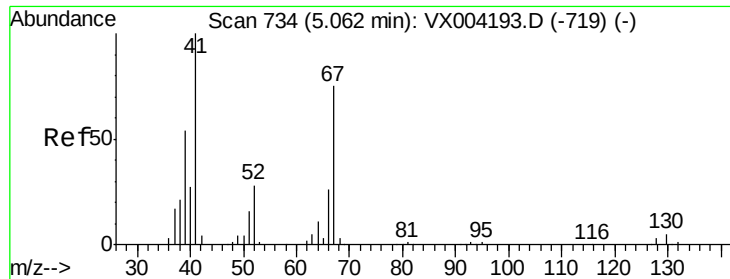
55 73.8 61.0 91.4

98 49.5 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: 0.40 ug/l

RT: 5.06 min Scan# 733

Delta R.T. -0.01 min

Lab File: VX004228.D

Acq: 23 Aug 2018 15:53

Instrument :

MSVOA_X

ClientSampleId :

FL-0552

Tot Ion: 41 Resp: 1360

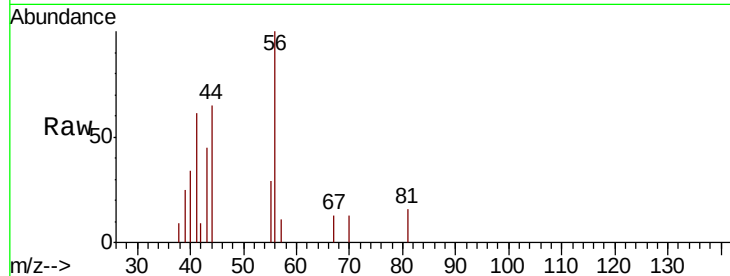
Ion Ratio Lower Upper

41 100

39 42.9 42.4 63.6

67 0.0 59.2 88.8#

52 0.0 23.0 34.4#



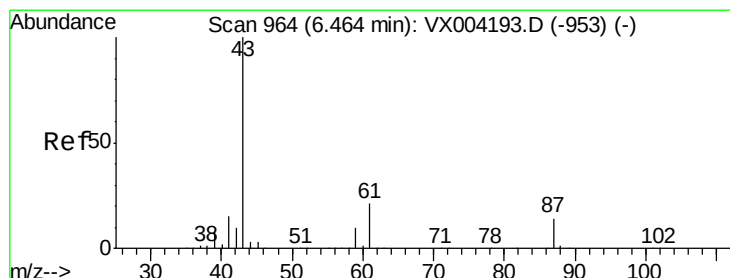
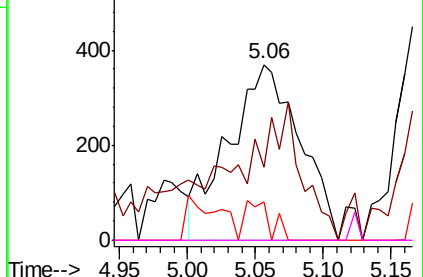
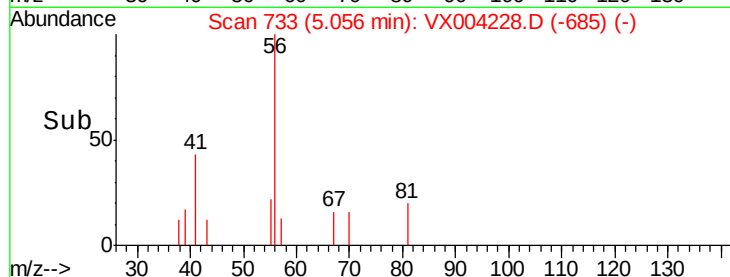
Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 67.00 (66.70 to 67.70): VX0

Ion 52.00 (51.70 to 52.70): VX0

Time-->



#43

Isopropyl Acetate

Concen: 2.57 ug/l

RT: 6.45 min Scan# 962

Delta R.T. -0.01 min

Lab File: VX004228.D

Acq: 23 Aug 2018 15:53

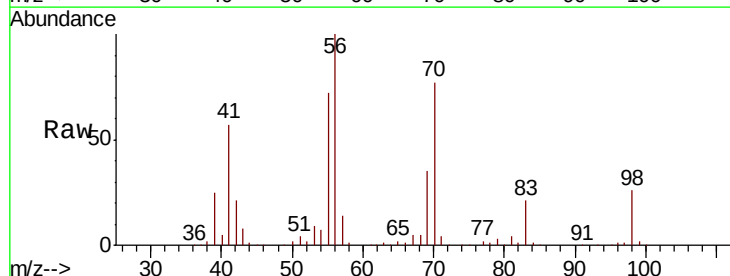
Tgt Ion: 43 Resp: 22968

Ion Ratio Lower Upper

43 100

61 2.3 17.0 25.4#

87 0.0 11.4 17.2#

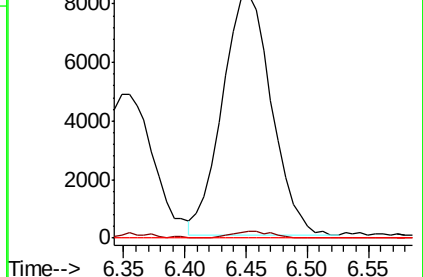
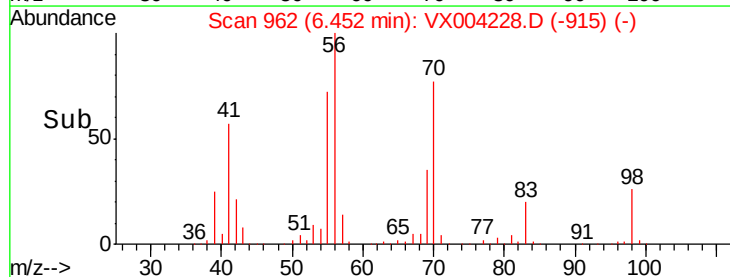


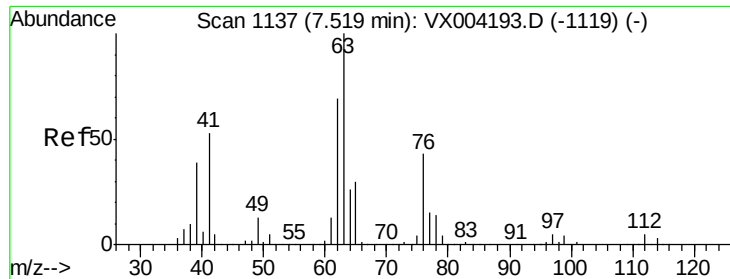
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 87.00 (86.70 to 87.70): VX0

Time-->

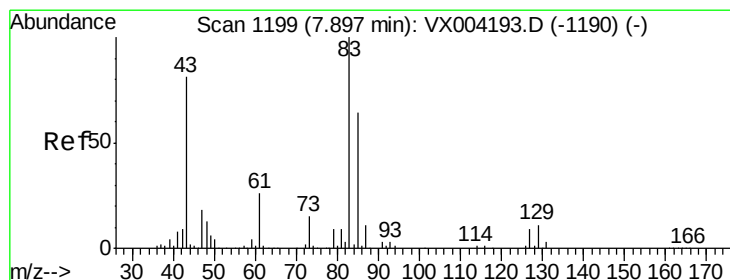
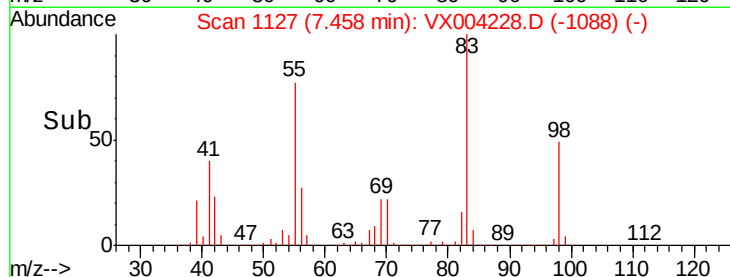
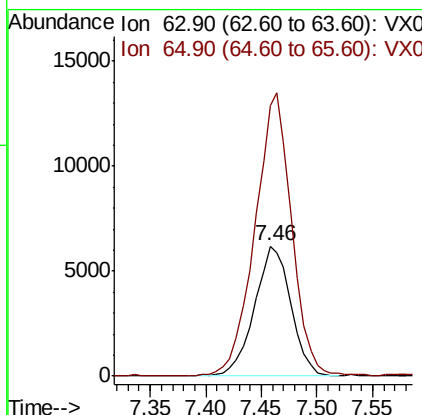
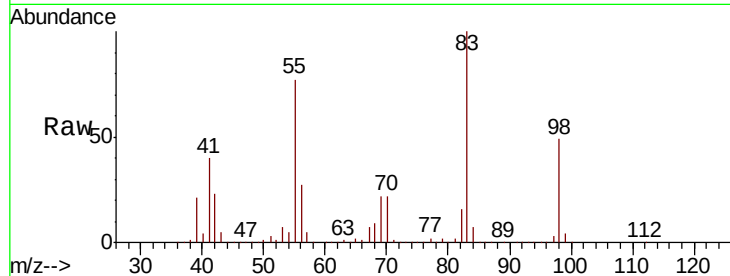




#45
 1,2-Dichloropropane
 Concen: 3.20 ug/l
 RT: 7.46 min Scan# 1127
 Delta R.T. -0.06 min
 Lab File: VX004228.D
 Acq: 23 Aug 2018 15:53

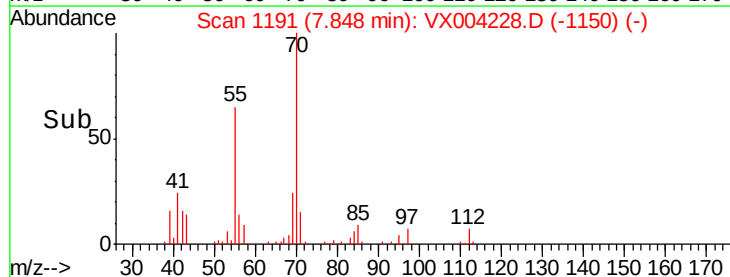
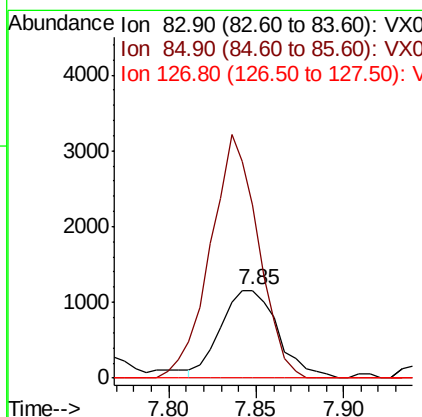
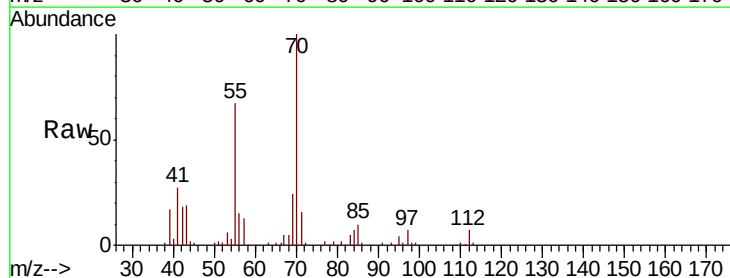
Instrument :
 MSVOA_X
 ClientSampled :
 FL-0552

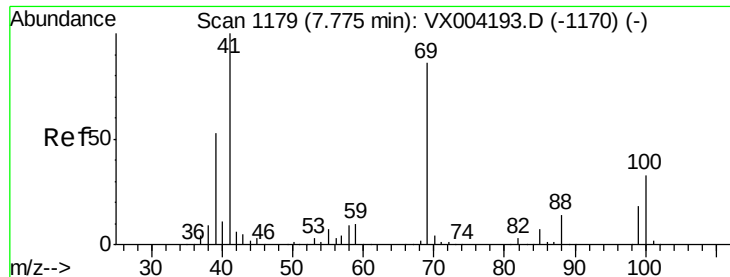
Tot Ion: 63 Resp: 14113
 Ion Ratio Lower Upper
 63 100
 65 207.6 24.3 36.5#



#47
 Bromodichloromethane
 Concen: 0.48 ug/l
 RT: 7.85 min Scan# 1191
 Delta R.T. -0.05 min
 Lab File: VX004228.D
 Acq: 23 Aug 2018 15:53

Tgt Ion: 83 Resp: 2629
 Ion Ratio Lower Upper
 83 100
 85 197.1 50.9 76.3#
 127 0.0 7.3 10.9#

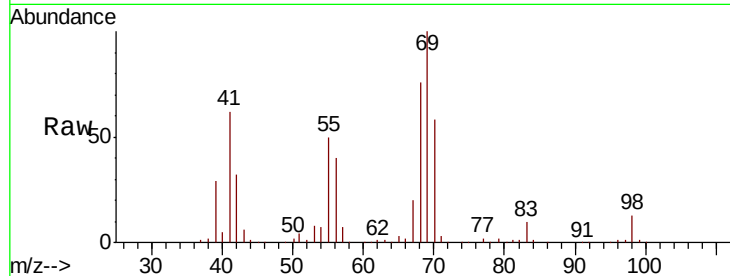




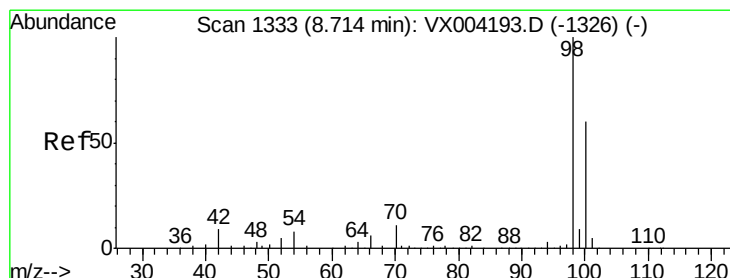
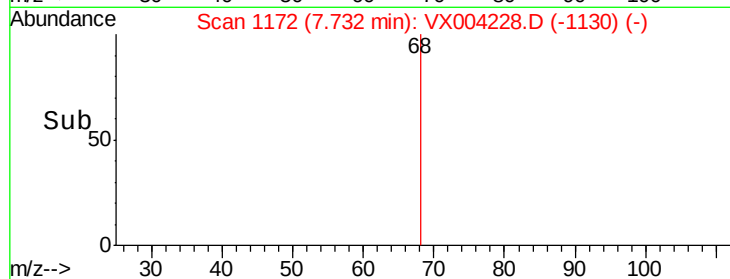
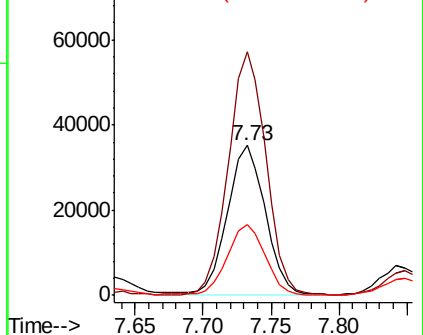
#48
Methvl methacrylate
Concen: 14.14 ug/l
RT: 7.73 min Scan# 1172
Delta R.T. -0.04 min
Lab File: VX004228.D
Acq: 23 Aug 2018 15:53

Instrument :
MSVOA_X
ClientSampleId :
FL-0552

Tot Ion: 41 Resp: 67508
Ion Ratio Lower Upper
41 100
69 162.1 70.2 105.4#
39 46.9 42.7 64.1

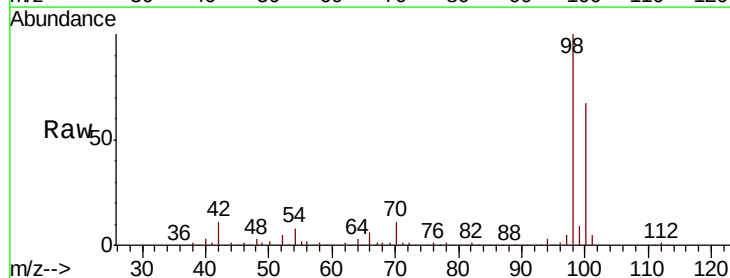


Abundance Ion 41.00 (40.70 to 41.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 39.00 (38.70 to 39.70): VX0

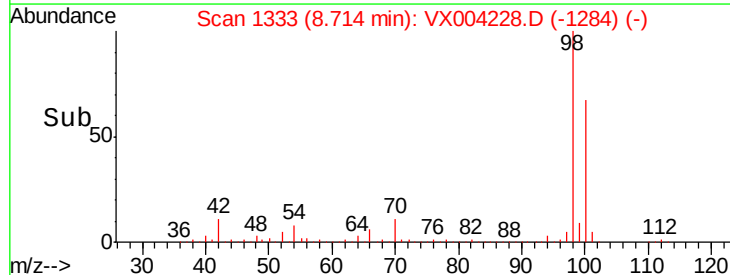
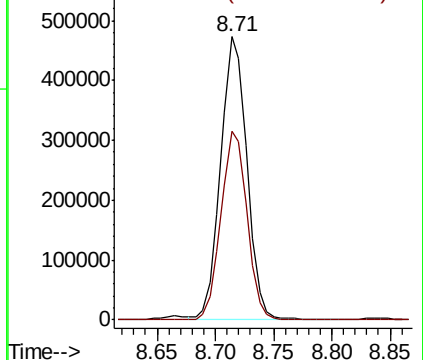


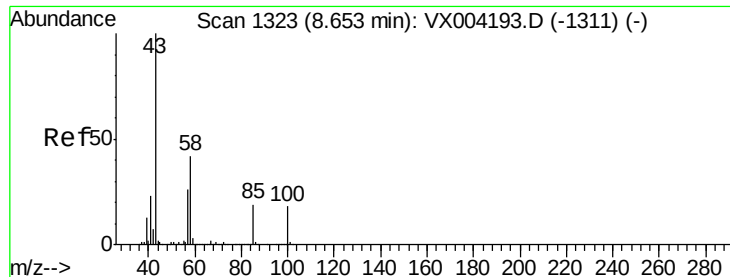
#50
Toluene-d8
Concen: 49.87 ug/l
RT: 8.71 min Scan# 1333
Delta R.T. -0.00 min
Lab File: VX004228.D
Acq: 23 Aug 2018 15:53

Tgt Ion: 98 Resp: 735489
Ion Ratio Lower Upper
98 100
100 66.7 52.9 79.3



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

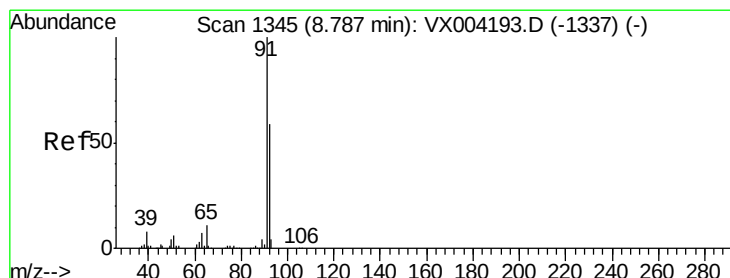
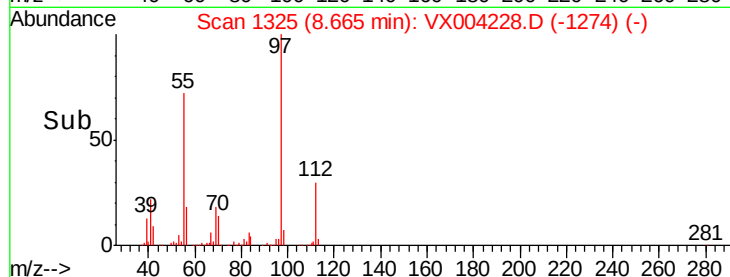
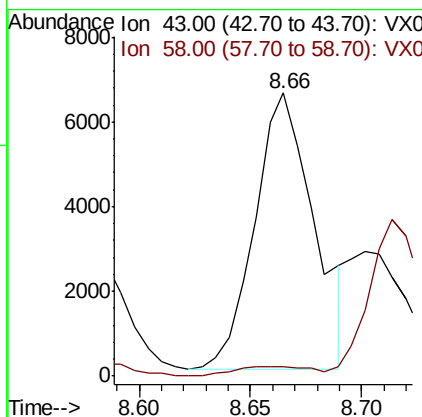
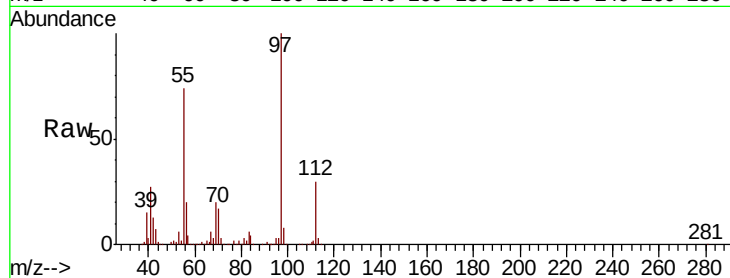




#51
 4-Methyl-2-Pentanone
 Concen: 1.86 ug/l
 RT: 8.66 min Scan# 1325
 Delta R.T. 0.01 min
 Lab File: VX004228.D
 Acq: 23 Aug 2018 15:53

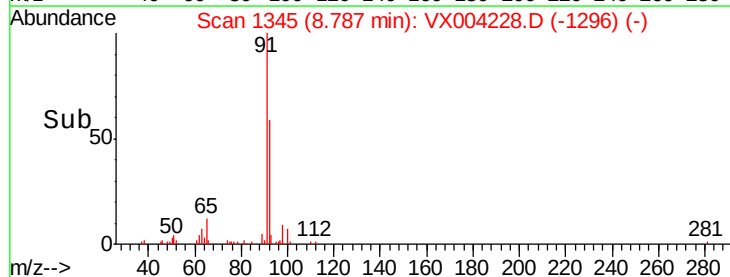
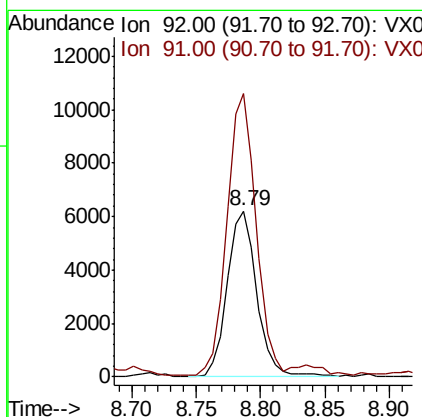
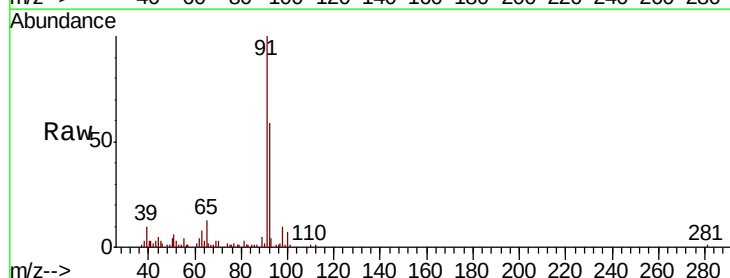
Instrument :
 MSVOA_X
 ClientSampleID :
 FL-0552

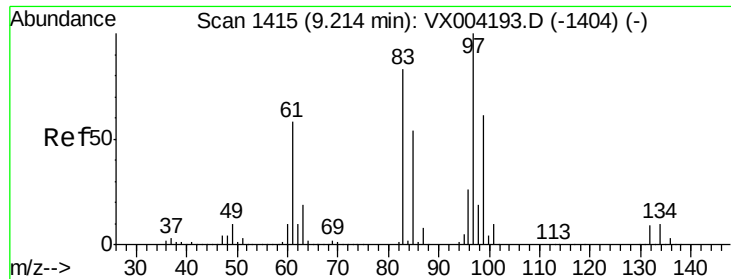
Tot Ion: 43 Resp: 12060
 Ion Ratio Lower Upper
 43 100
 58 4.8 33.1 49.7#



#52
 Toluene
 Concen: 0.91 ug/l
 RT: 8.79 min Scan# 1345
 Delta R.T. -0.00 min
 Lab File: VX004228.D
 Acq: 23 Aug 2018 15:53

Tgt Ion: 92 Resp: 10035
 Ion Ratio Lower Upper
 92 100
 91 166.2 136.4 204.6

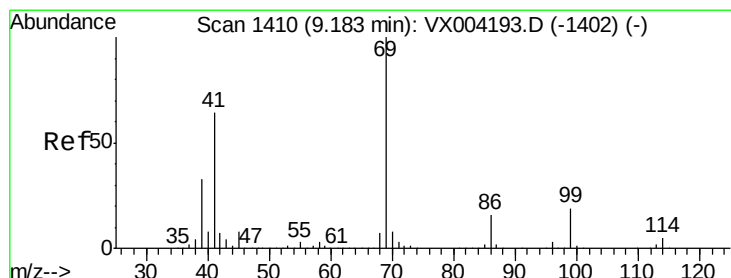
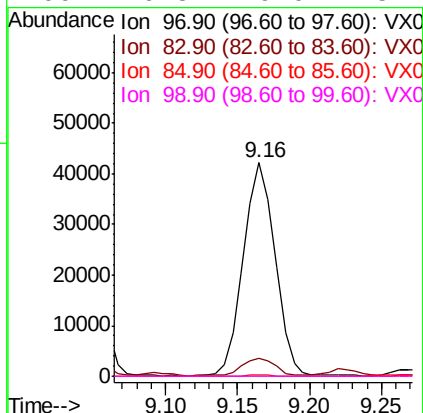
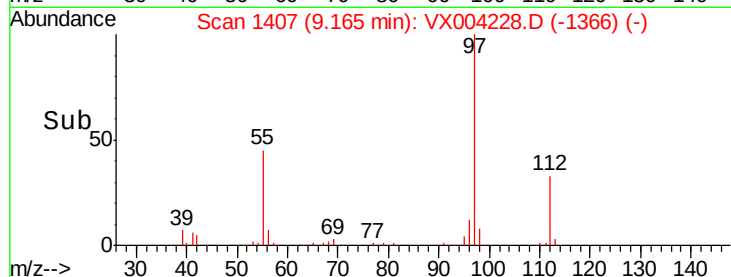
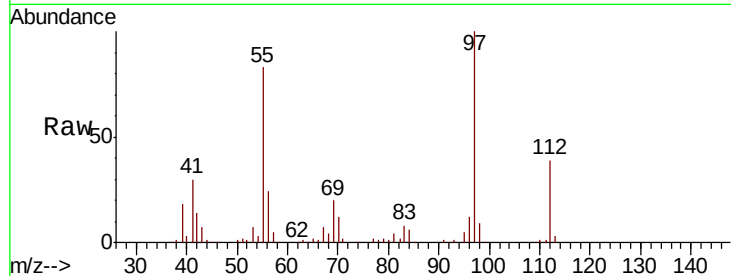




#55
 1,1,2-Trichloroethane
 Concen: 14.53 ug/l
 RT: 9.16 min Scan# 1407
 Delta R.T. -0.05 min
 Lab File: VX004228.D
 Acq: 23 Aug 2018 15:53

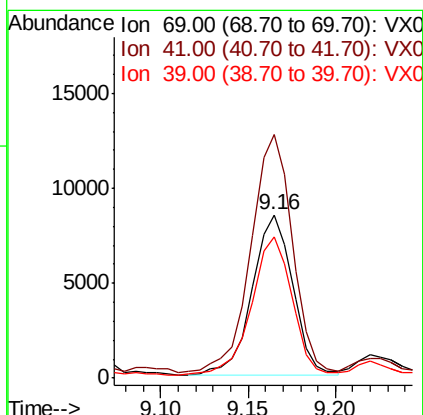
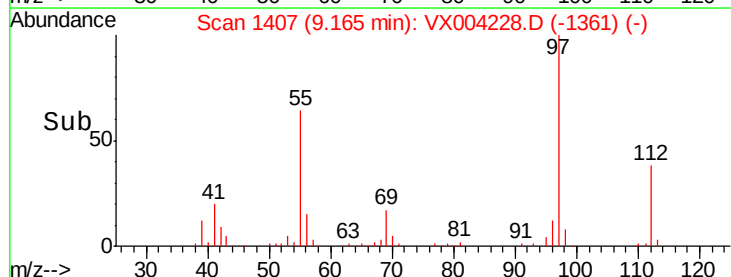
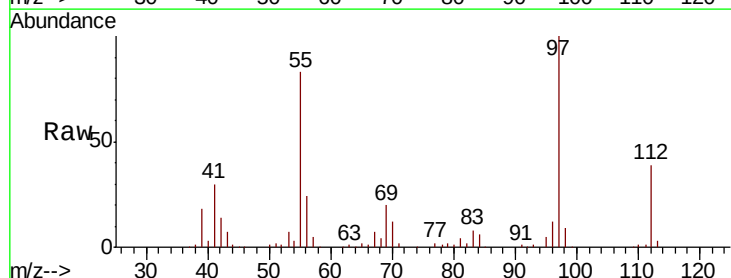
Instrument :
 MSVOA_X
 ClientSampleId :
 FL-0552

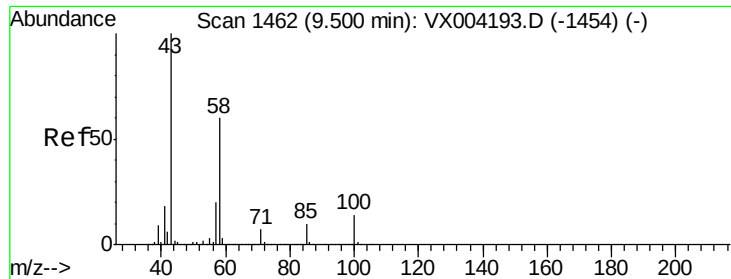
Tot Ion: 97 Resp: 64767
 Ion Ratio Lower Upper
 97 100
 83 8.1 66.4 99.6#
 85 0.4 43.3 64.9#
 99 0.3 49.0 73.4#



#56
 Ethyl methacrylate
 Concen: 2.28 ug/l
 RT: 9.16 min Scan# 1407
 Delta R.T. -0.02 min
 Lab File: VX004228.D
 Acq: 23 Aug 2018 15:53

Tgt Ion: 69 Resp: 13862
 Ion Ratio Lower Upper
 69 100
 41 148.9 51.0 76.4#
 39 85.7 26.1 39.1#

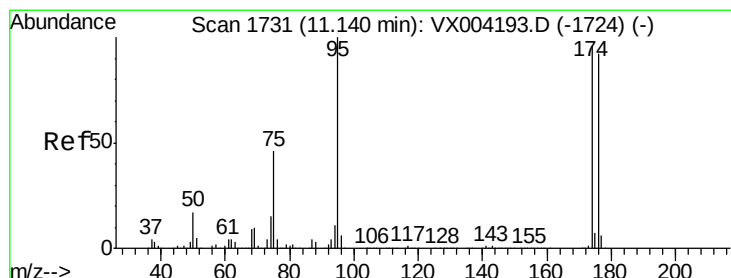
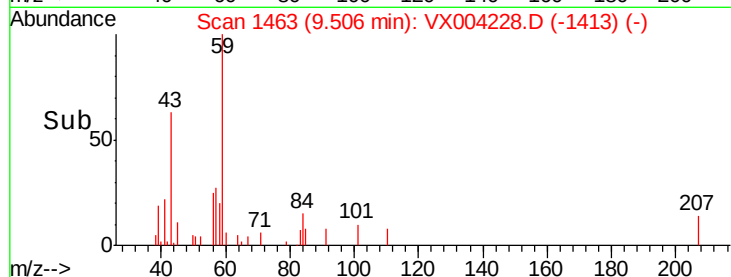
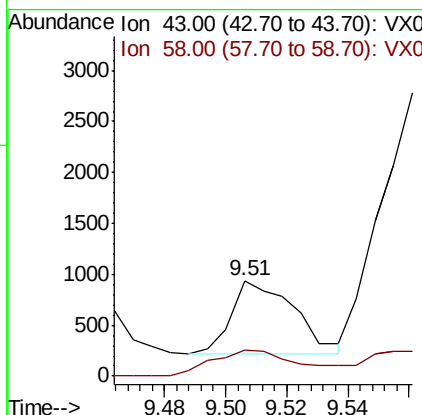
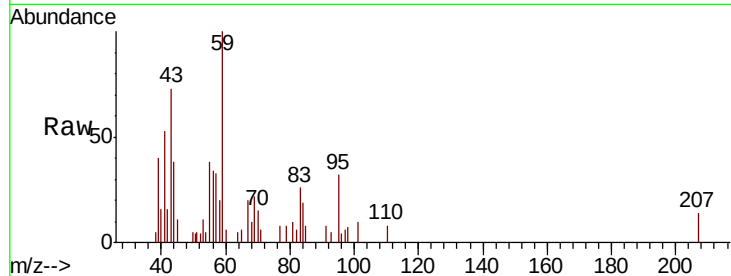




#59
2-Hexanone
Concen: 0.20 ug/l
RT: 9.51 min Scan# 1463
Delta R.T. 0.01 min
Lab File: VX004228.D
Acq: 23 Aug 2018 15:53

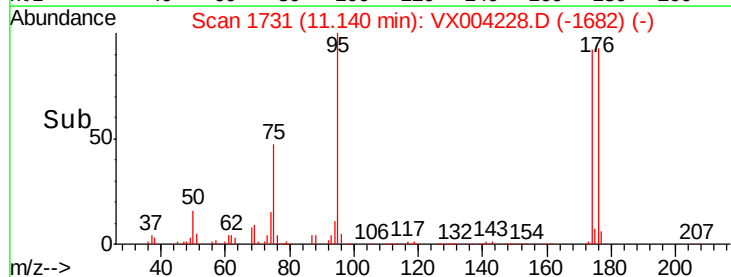
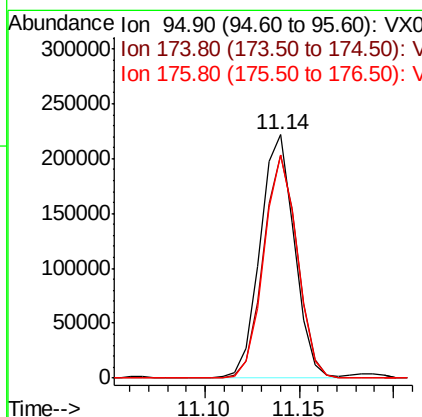
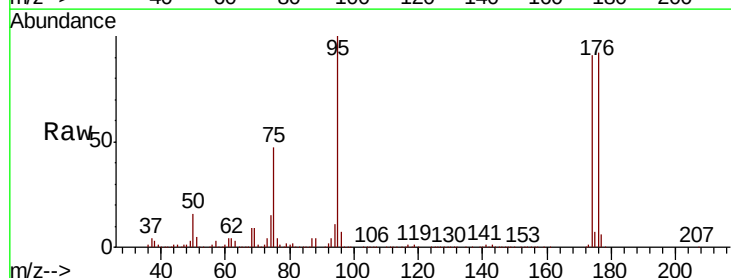
Instrument :
MSVOA_X
ClientSampleId :
FL-0552

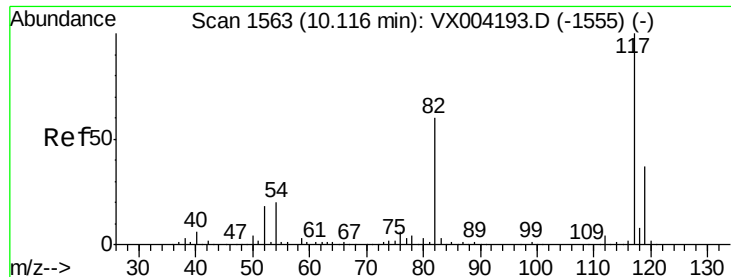
Tot Ion: 43 Resp: 1011
Ion Ratio Lower Upper
43 100
58 46.6 29.0 87.0



#62
4-Bromofluorobenzene
Concen: 50.71 ug/l
RT: 11.14 min Scan# 1731
Delta R.T. -0.00 min
Lab File: VX004228.D
Acq: 23 Aug 2018 15:53

Tgt Ion: 95 Resp: 279028
Ion Ratio Lower Upper
95 100
174 91.0 0.0 185.2
176 89.3 0.0 178.6

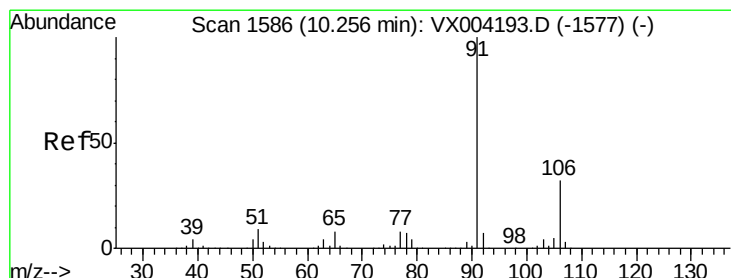
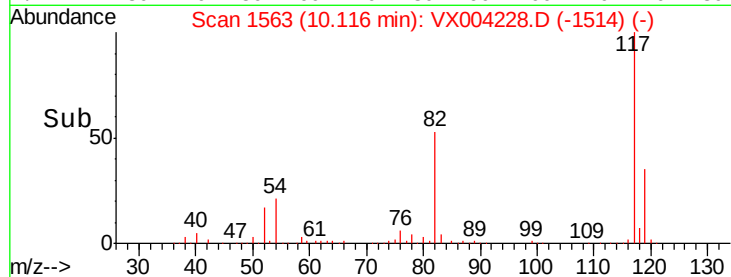
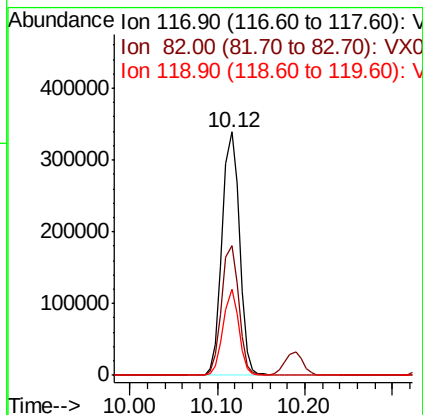
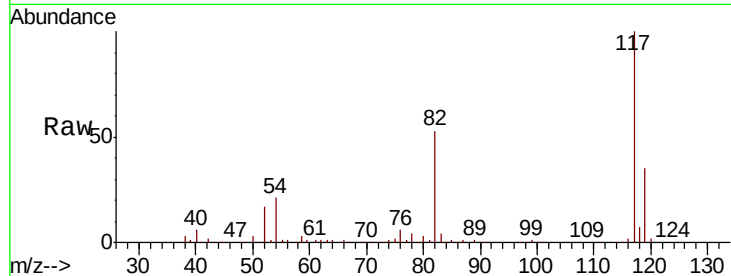




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. -0.00 min
Lab File: VX004228.D
Acq: 23 Aug 2018 15:53

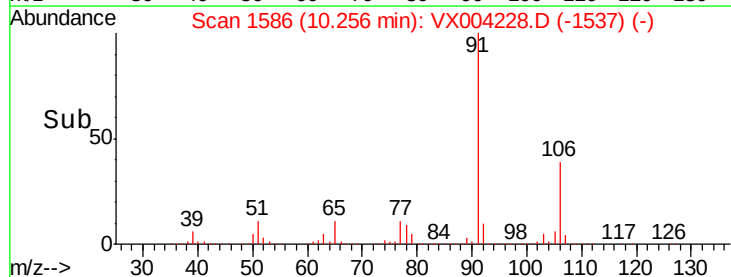
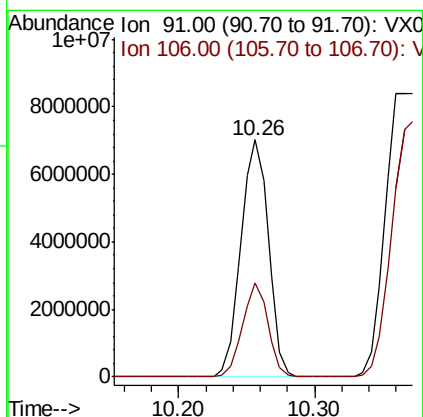
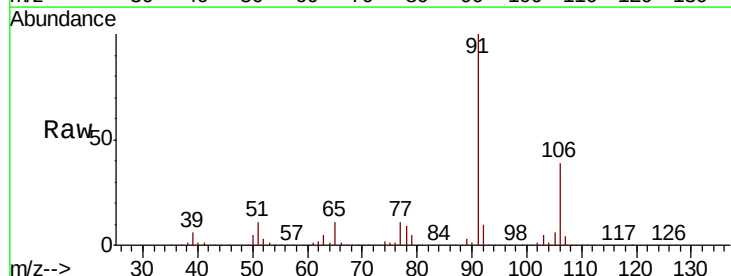
Instrument :
MSVOA_X
ClientSampled :
FL-0552

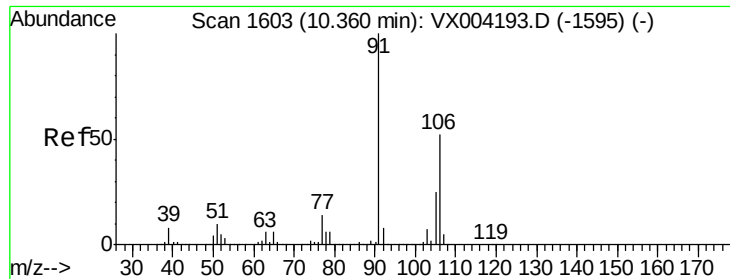
Tot Ion:117 Resp: 466597
Ion Ratio Lower Upper
117 100
82 53.3 47.8 71.6
119 35.3 29.3 43.9



#67
Ethyl Benzene
Concen: 523.04 ug/l
RT: 10.26 min Scan# 1586
Delta R.T. -0.00 min
Lab File: VX004228.D
Acq: 23 Aug 2018 15:53

Tgt Ion: 91 Resp: 9947160
Ion Ratio Lower Upper
91 100
106 39.4 25.9 38.9#





#68

m/p-Xylenes

Concen: 1604.61 ug/l

RT: 10.37 min Scan# 1605

Delta R.T. 0.01 min

Lab File: VX004228.D

Acq: 23 Aug 2018 15:53

Instrument :

MSVOA_X

ClientSampleId :

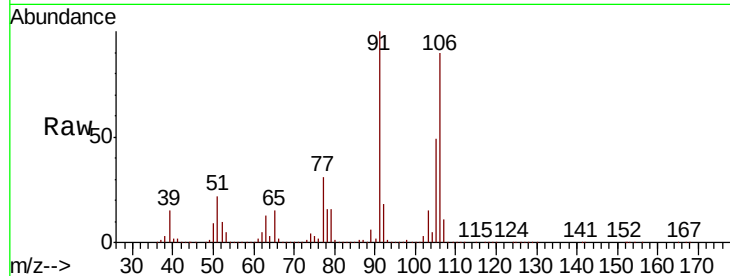
FL-0552

Tot Ion:106 Resp:11932550

Ion Ratio Lower Upper

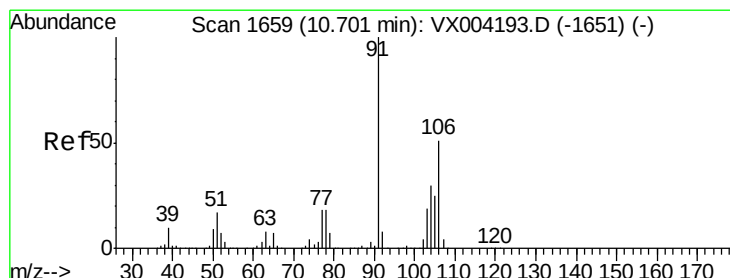
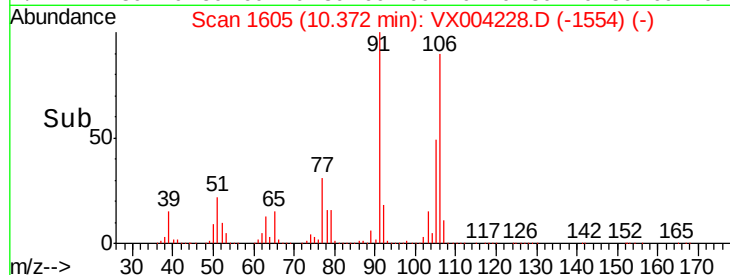
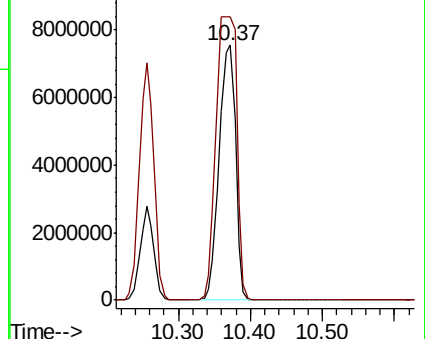
106 100

91 141.1 157.1 235.7#



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0



#69

o-Xylene

Concen: 853.28 ug/l

RT: 10.71 min Scan# 1660

Delta R.T. 0.01 min

Lab File: VX004228.D

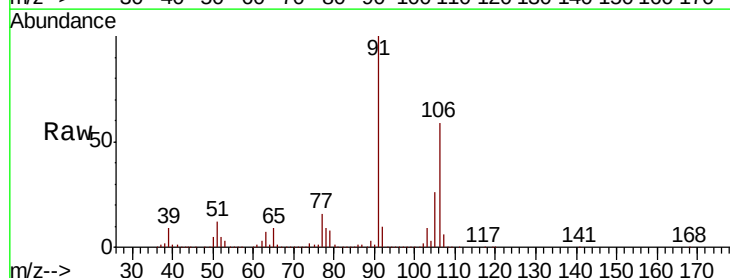
Acq: 23 Aug 2018 15:53

Tgt Ion:106 Resp: 6002197

Ion Ratio Lower Upper

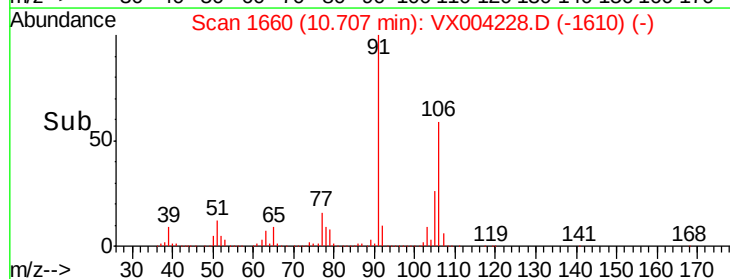
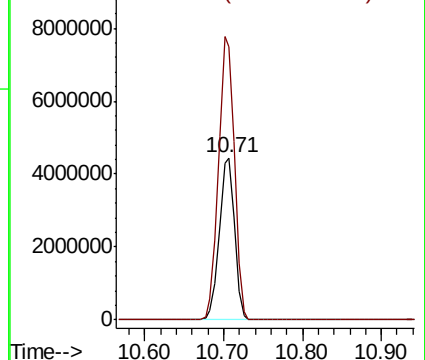
106 100

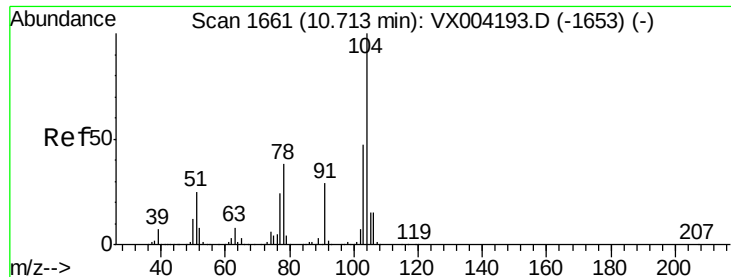
91 182.4 105.1 315.1



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0

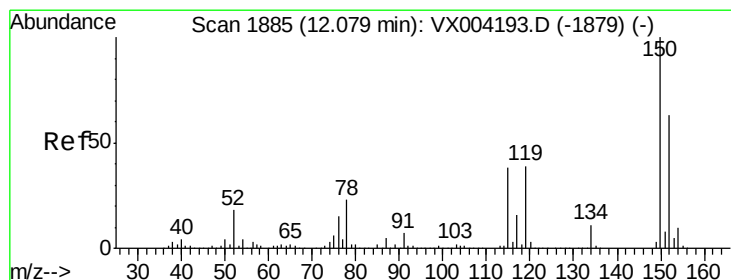
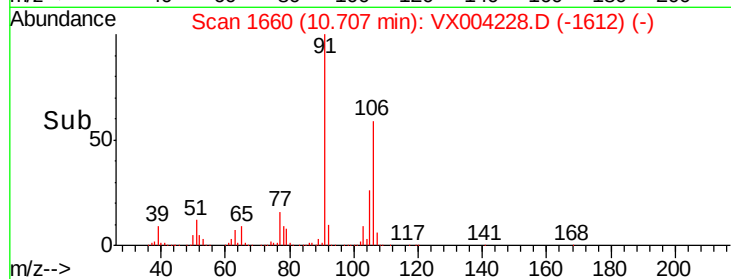
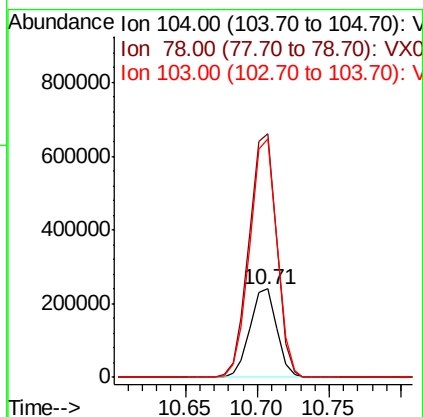
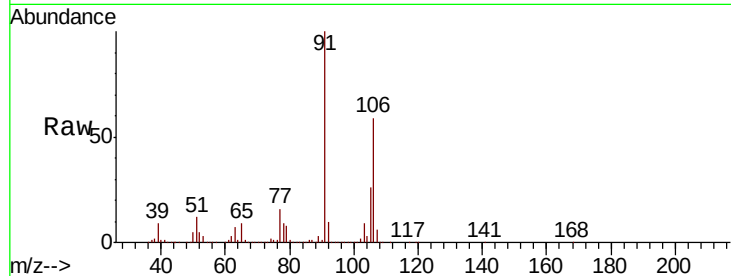




#70
Stvrene
Concen: 27.01 ug/l
RT: 10.71 min Scan# 1660
Delta R.T. -0.01 min
Lab File: VX004228.D
Acq: 23 Aug 2018 15:53

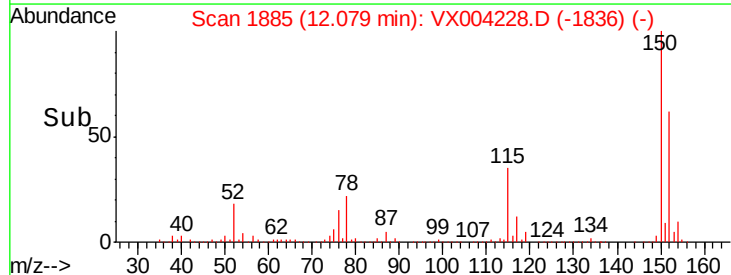
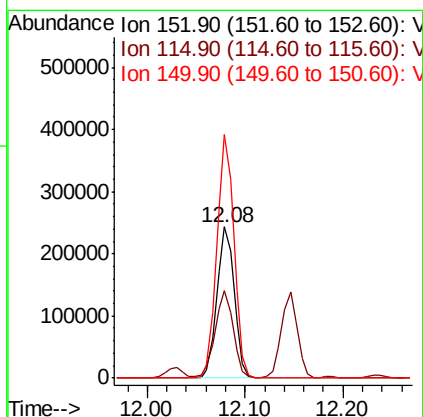
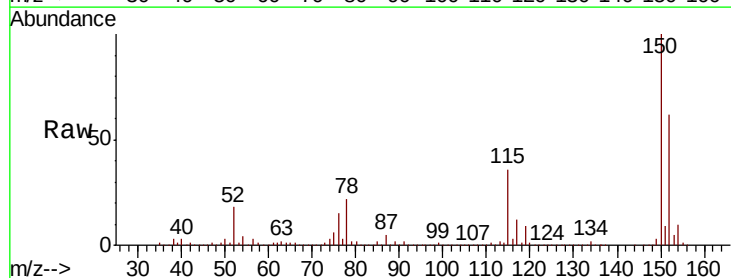
Instrument :
MSVOA_X
ClientSampled :
FL-0552

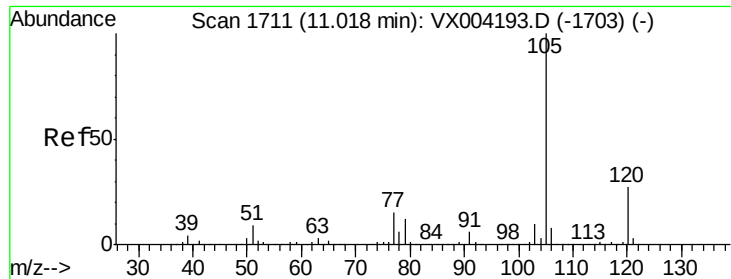
Tot Ion:104 Resp: 307623
Ion Ratio Lower Upper
104 100
78 283.2 37.4 56.0#
103 273.7 43.8 65.6#



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.08 min Scan# 1885
Delta R.T. -0.00 min
Lab File: VX004228.D
Acq: 23 Aug 2018 15:53

Tgt Ion:152 Resp: 299710
Ion Ratio Lower Upper
152 100
115 59.0 39.0 117.0
150 158.8 0.0 351.0





#73

Isopropylbenzene

Concen: 44.71 ug/l

RT: 11.02 min Scan# 1711

Delta R.T. -0.00 min

Lab File: VX004228.D

Acq: 23 Aug 2018 15:53

Instrument :

MSVOA_X

ClientSampleId :

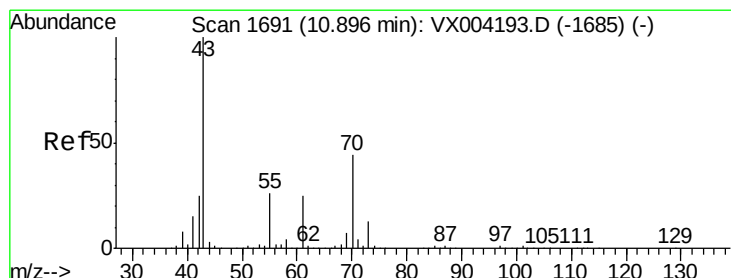
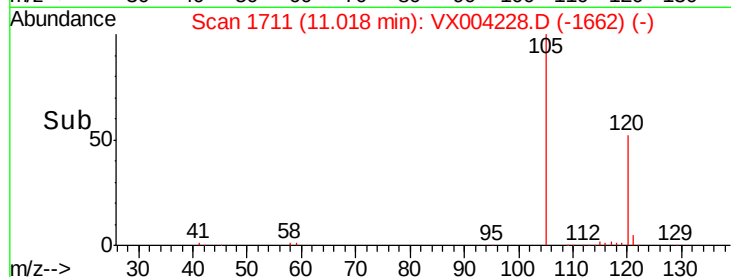
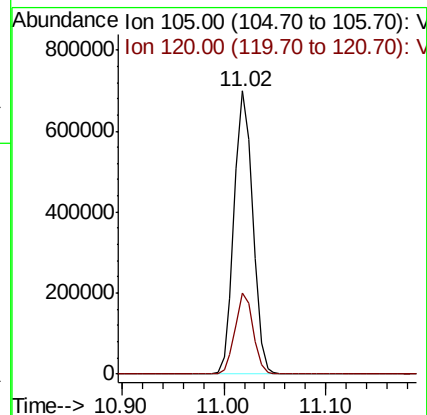
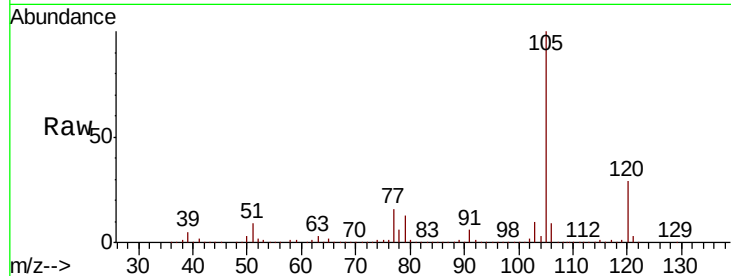
FL-0552

Tot Ion:105 Resp: 880004

Ion Ratio Lower Upper

105 100

120 27.8 13.5 40.4



#74

N-ethyl acetate

Concen: 0.22 ug/l

RT: 10.91 min Scan# 1694

Delta R.T. 0.02 min

Lab File: VX004228.D

Acq: 23 Aug 2018 15:53

Tgt Ion: 43 Resp: 1680

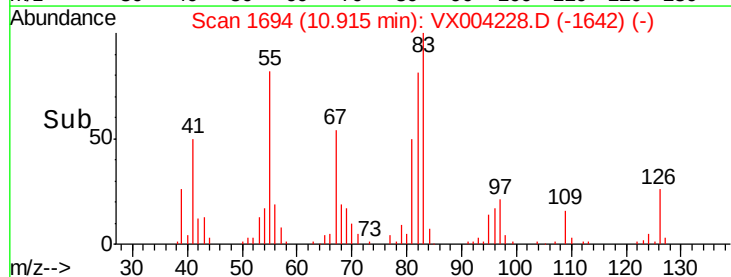
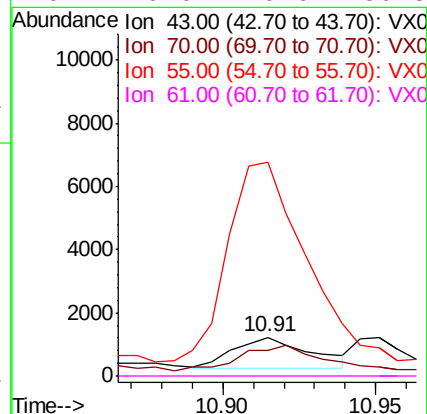
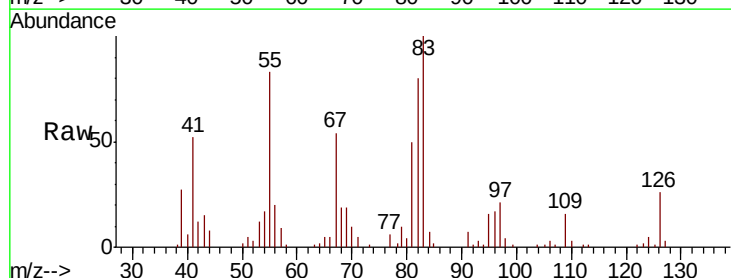
Ion Ratio Lower Upper

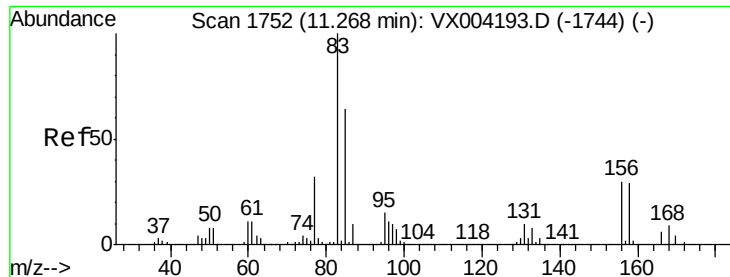
43 100

70 106.9 37.4 56.0#

55 721.8 21.8 32.8#

61 0.0 20.6 30.8#





#75

1,1,2,2-Tetrachloroethane

Concen: 0.22 ug/l

RT: 11.28 min Scan# 1754

Delta R.T. 0.01 min

Lab File: VX004228.D

Acq: 23 Aug 2018 15:53

Instrument :

MSVOA_X

ClientSampled :

FL-0552

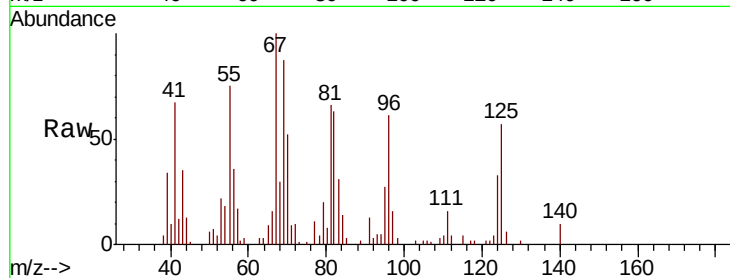
Tot Ion: 83 Resp: 1509

Ion Ratio Lower Upper

83 100

131 0.0 5.2 15.6#

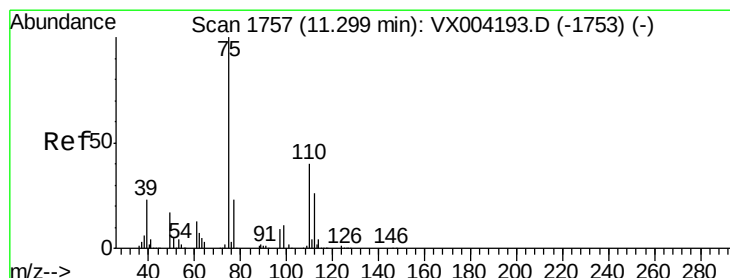
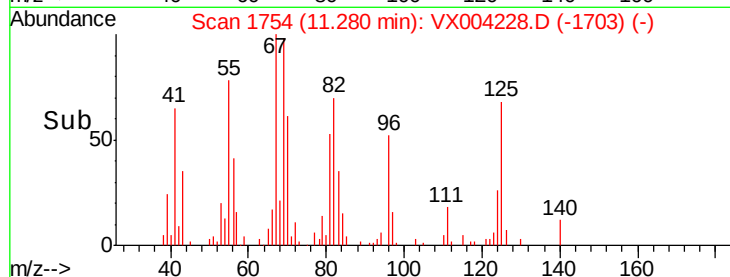
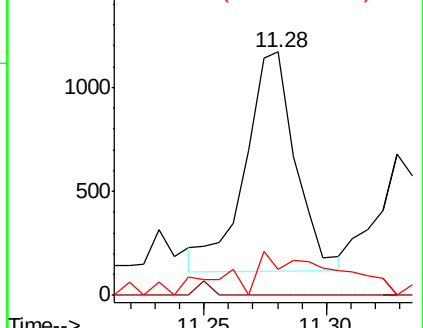
85 32.5 32.3 96.8



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: 1.39 ug/l

RT: 11.36 min Scan# 1767

Delta R.T. 0.06 min

Lab File: VX004228.D

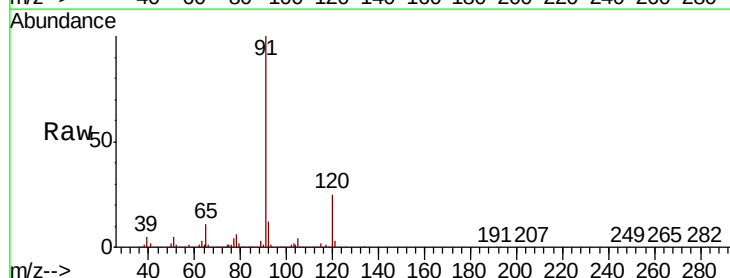
Acq: 23 Aug 2018 15:53

Tgt Ion: 75 Resp: 8454

Ion Ratio Lower Upper

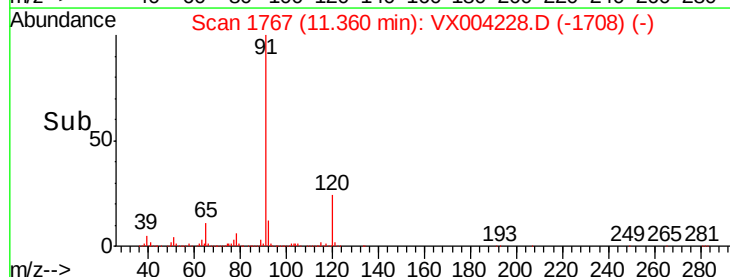
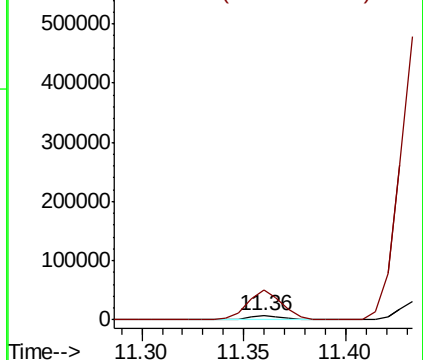
75 100

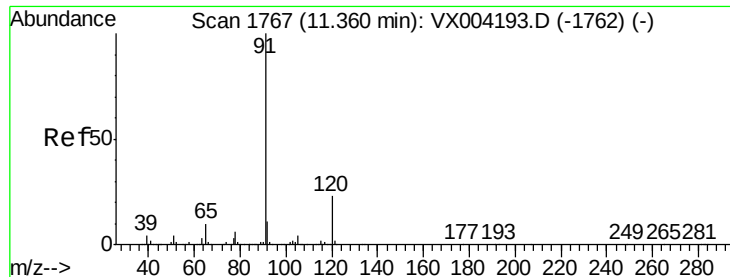
77 689.7 20.2 60.6#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#78

n-propylbenzene

Concen: 67.36 ug/l

RT: 11.36 min Scan# 1767

Delta R.T. -0.00 min

Lab File: VX004228.D

Acq: 23 Aug 2018 15:53

Instrument :

MSVOA_X

ClientSampled :

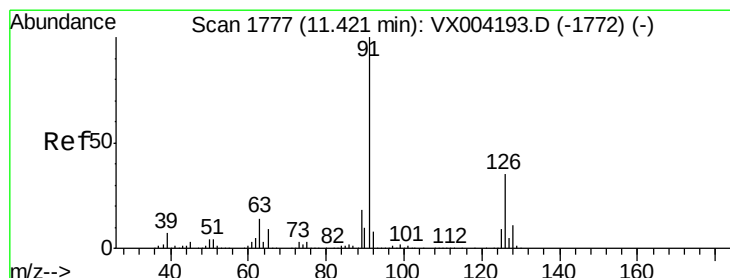
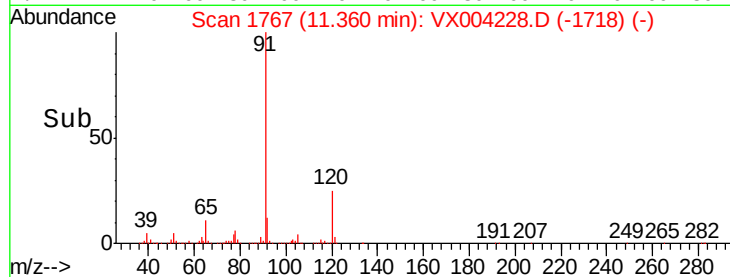
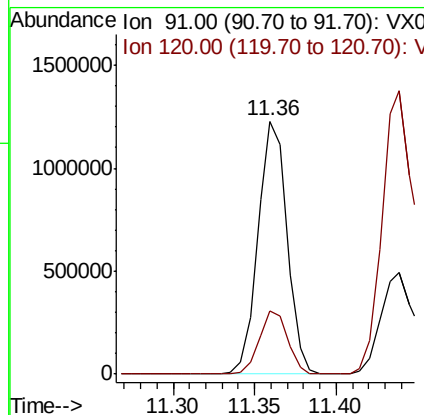
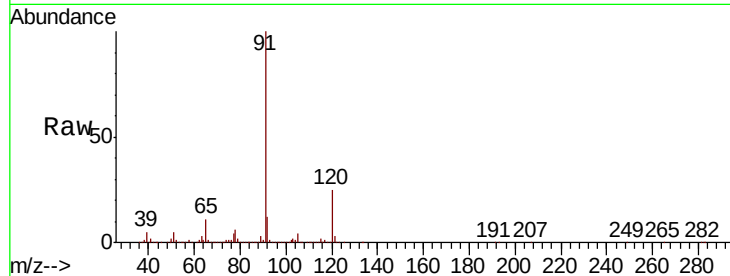
FL-0552

Tot Ion: 91 Resp: 1525077

Ion Ratio Lower Upper

91 100

120 24.5 11.9 35.9



#79

2-Chlorotoluene

Concen: 61.21 ug/l

RT: 11.44 min Scan# 1780

Delta R.T. 0.02 min

Lab File: VX004228.D

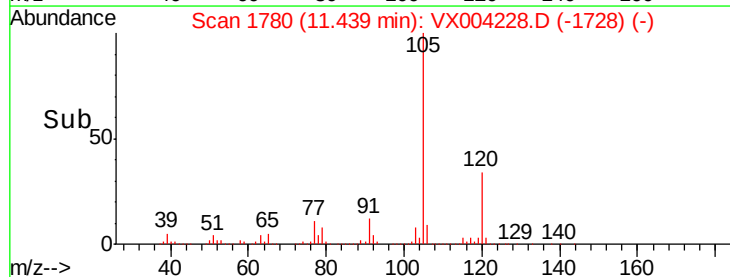
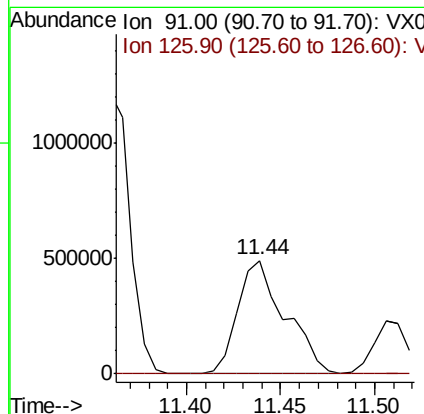
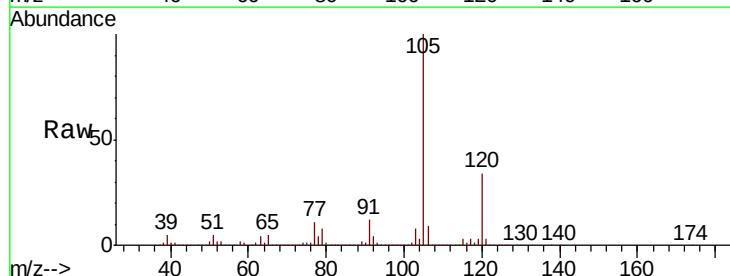
Acq: 23 Aug 2018 15:53

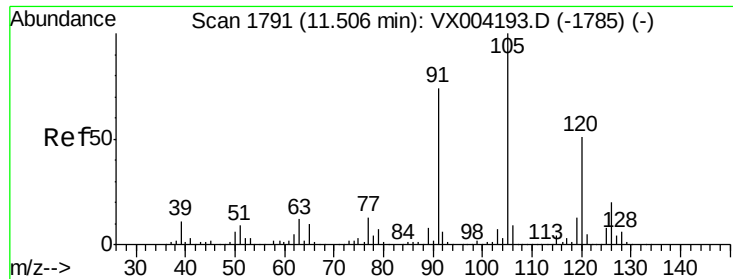
Tgt Ion: 91 Resp: 852939

Ion Ratio Lower Upper

91 100

126 0.0 17.9 53.7#

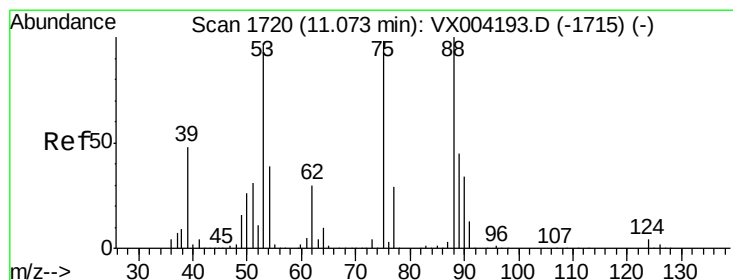
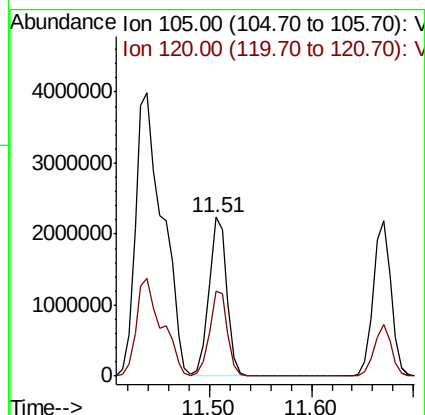
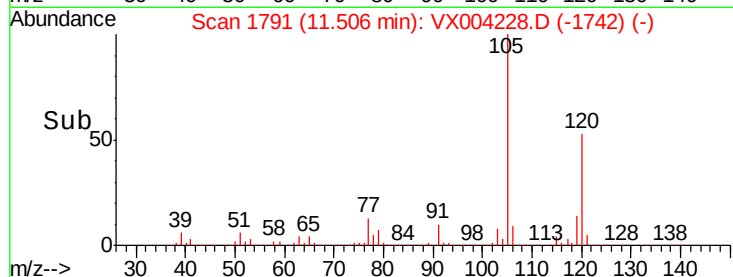
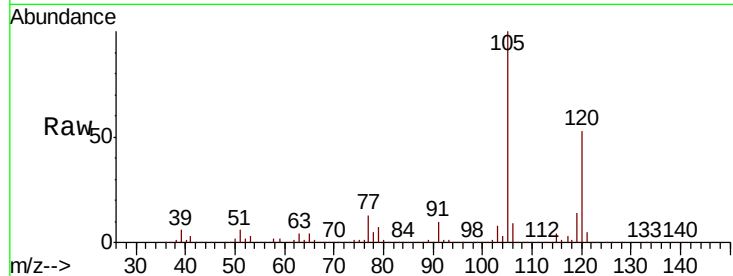




#80
 1,3,5-Trimethylbenzene
 Concen: 168.31 ug/l
 RT: 11.51 min Scan# 1791
 Delta R.T. -0.00 min
 Lab File: VX004228.D
 Acq: 23 Aug 2018 15:53

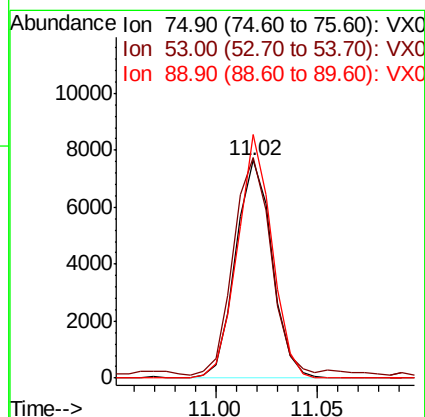
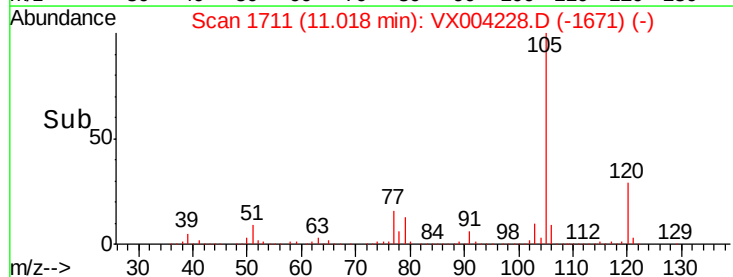
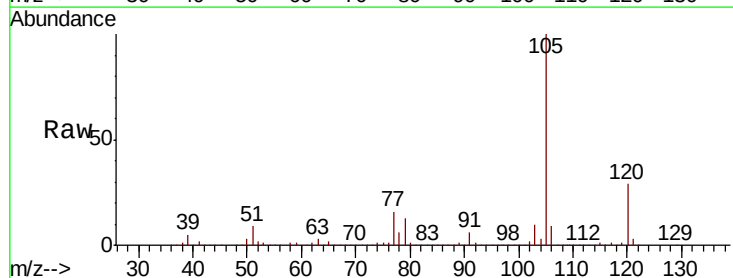
Instrument :
 MSVOA_X
 ClientSampleId :
 FL-0552

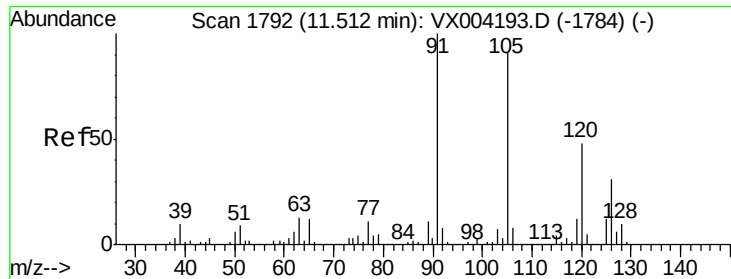
Tot Ion:105 Resp: 2743712
 Ion Ratio Lower Upper
 105 100
 120 53.4 25.6 76.8



#81
 trans-1,4-Dichloro-2-butene
 Concen: 5.06 ug/l
 RT: 11.02 min Scan# 1711
 Delta R.T. -0.05 min
 Lab File: VX004228.D
 Acq: 23 Aug 2018 15:53

Tgt Ion: 75 Resp: 9497
 Ion Ratio Lower Upper
 75 100
 53 104.9 80.1 120.1
 89 105.2 37.2 55.8#

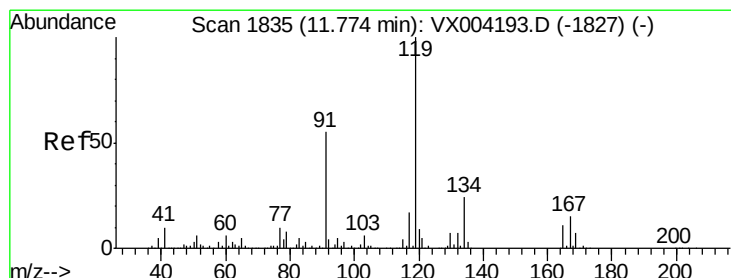
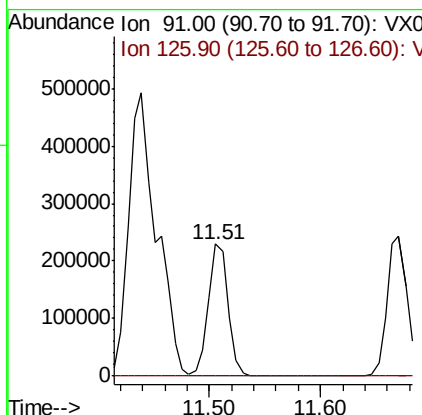
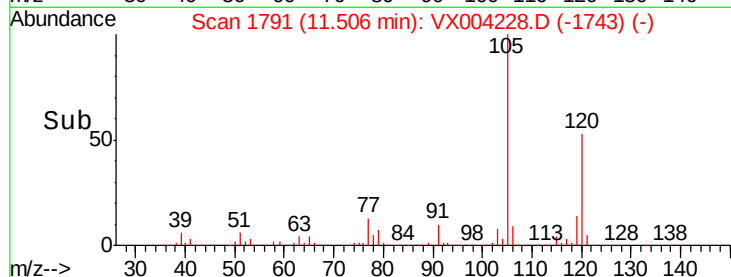
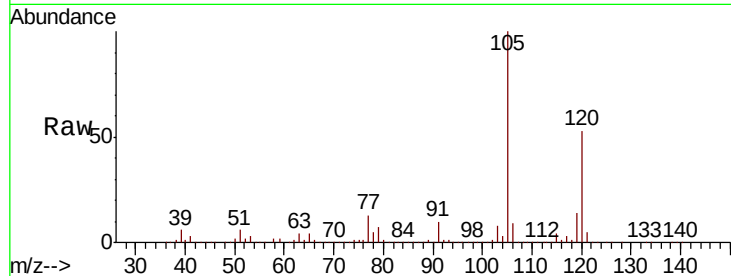




#82
4-Chlorotoluene
Concen: 17.20 ug/l
RT: 11.51 min Scan# 1791
Delta R.T. -0.01 min
Lab File: VX004228.D
Acq: 23 Aug 2018 15:53

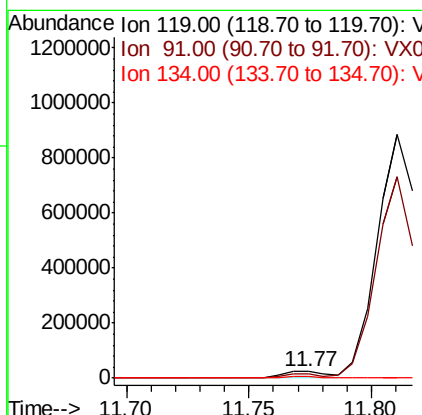
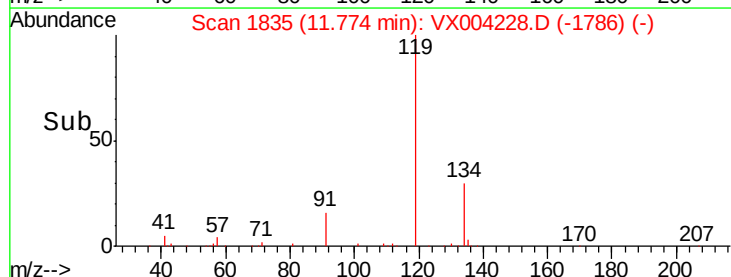
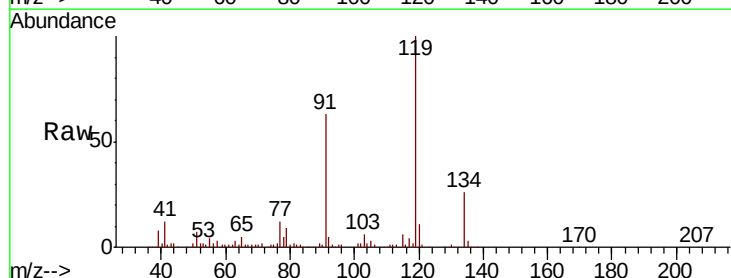
Instrument :
MSVOA_X
ClientSampleId :
FL-0552

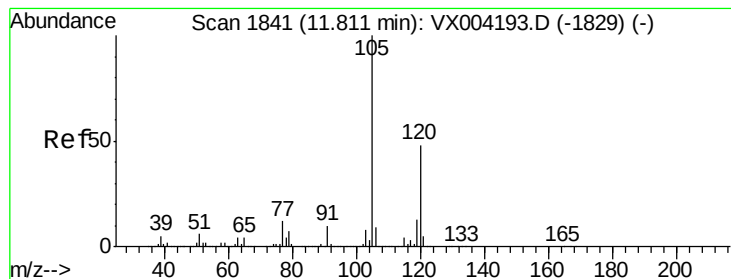
Tot Ion: 91 Resp: 282007
Ion Ratio Lower Upper
91 100
126 0.1 15.5 46.5#



#83
tert-Butylbenzene
Concen: 2.03 ug/l
RT: 11.77 min Scan# 1835
Delta R.T. -0.00 min
Lab File: VX004228.D
Acq: 23 Aug 2018 15:53

Tgt Ion: 119 Resp: 33322
Ion Ratio Lower Upper
119 100
91 0.0 27.0 81.0#
134 25.3 11.7 35.1





#84

1,2,4-Trimethylbenzene

Concen: 455.23 ug/l

RT: 11.81 min Scan# 1841

Delta R.T. -0.00 min

Lab File: VX004228.D

Acq: 23 Aug 2018 15:53

Instrument :

MSVOA_X

ClientSampleId :

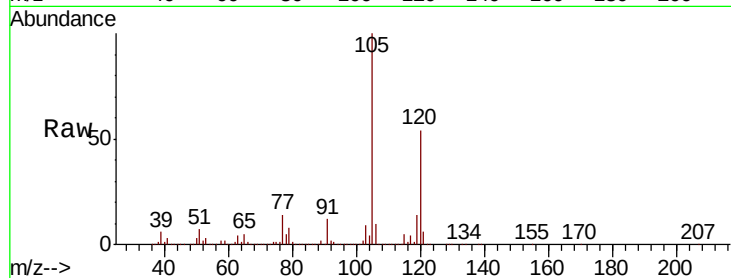
FL-0552

Tot Ion:105 Resp: 7617577

Ion Ratio Lower Upper

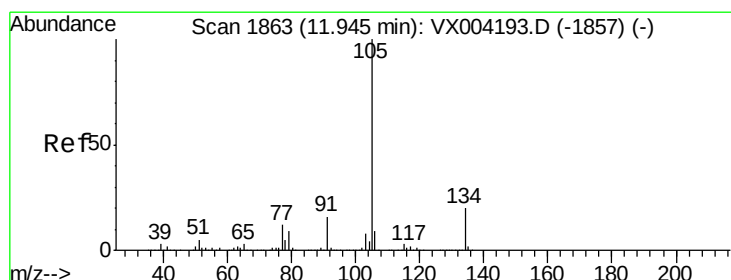
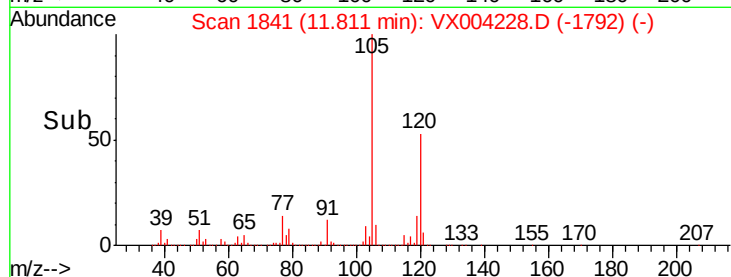
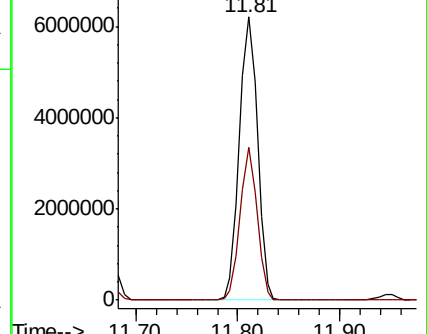
105 100

120 50.5 23.2 69.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#85

sec-Butylbenzene

Concen: 391.20 ug/l

RT: 11.81 min Scan# 1841

Delta R.T. -0.13 min

Lab File: VX004228.D

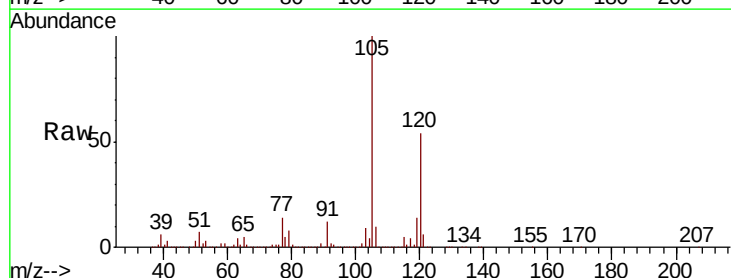
Acq: 23 Aug 2018 15:53

Tgt Ion:105 Resp: 7617577

Ion Ratio Lower Upper

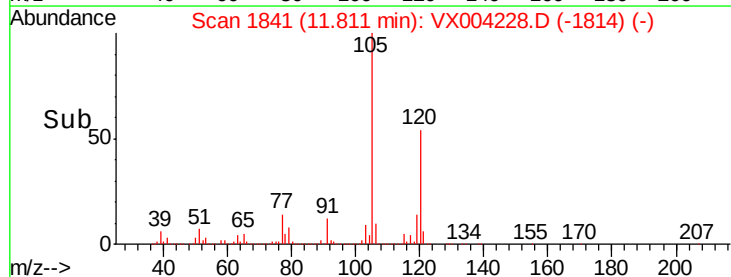
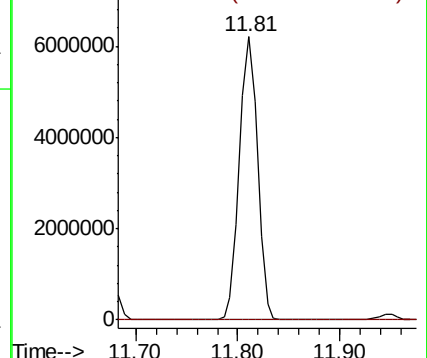
105 100

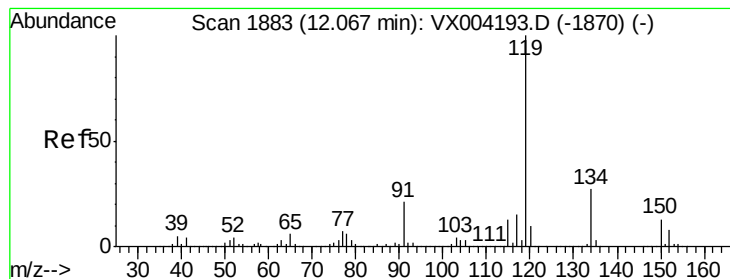
134 0.0 10.5 31.5#



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V





#86

p-Isopropyltoluene

Concen: 9.57 ug/l

RT: 12.07 min Scan# 1883

Delta R.T. -0.00 min

Lab File: VX004228.D

Acq: 23 Aug 2018 15:53

Instrument :

MSVOA_X

ClientSampled :

FL-0552

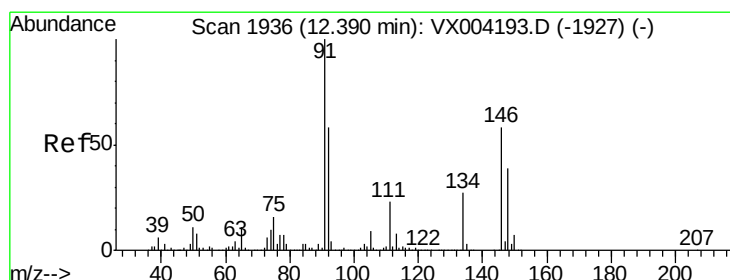
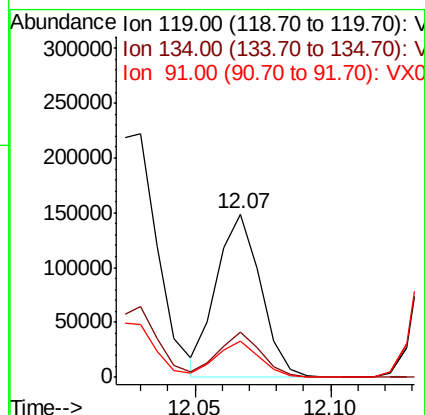
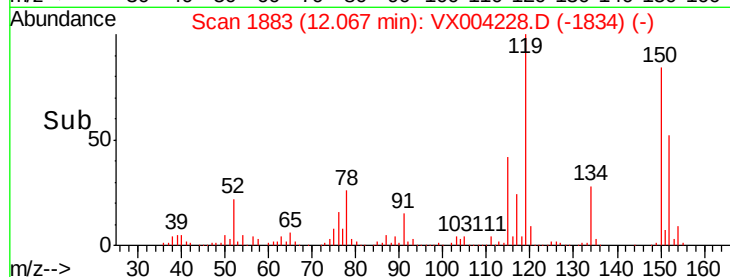
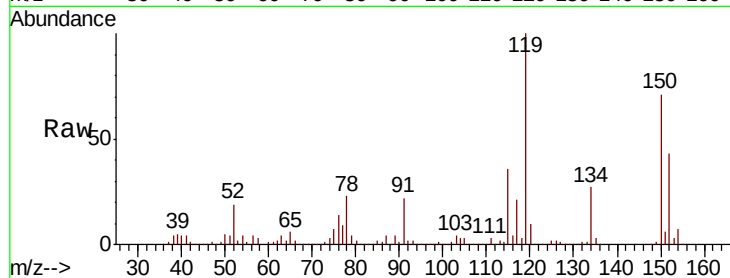
Tot Ion:119 Resp: 166956

Ion Ratio Lower Upper

119 100

134 26.7 13.4 40.2

91 21.7 10.9 32.7



#89

n-Butylbenzene

Concen: 17.51 ug/l

RT: 12.38 min Scan# 1935

Delta R.T. -0.01 min

Lab File: VX004228.D

Acq: 23 Aug 2018 15:53

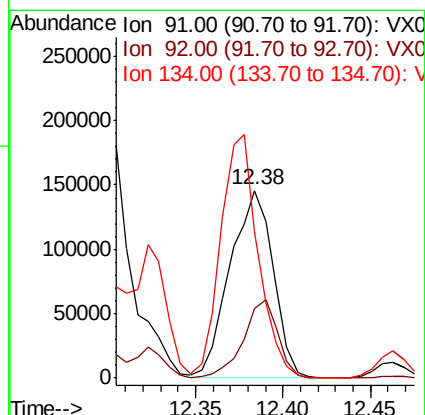
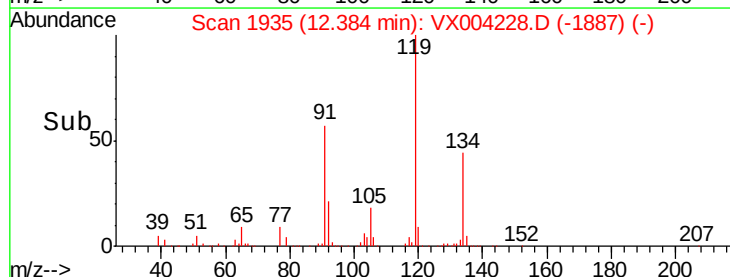
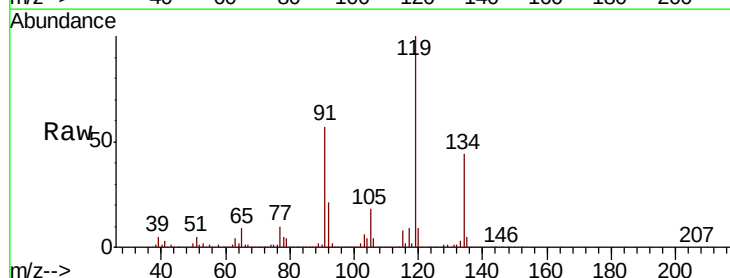
Tgt Ion: 91 Resp: 248401

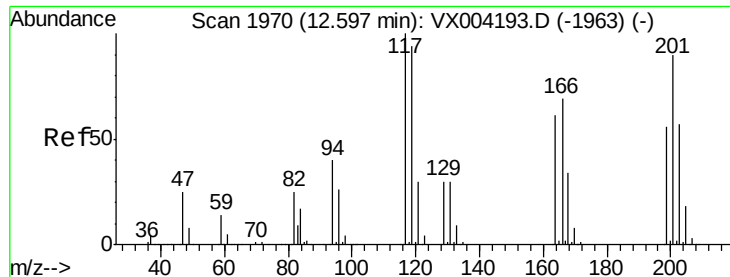
Ion Ratio Lower Upper

91 100

92 33.5 27.3 81.9

134 112.8 13.6 40.7#





#90

Hexachloroethane

Concen: 20.28 ug/l

RT: 12.67 min Scan# 1982

Delta R.T. 0.07 min

Lab File: VX004228.D

Acq: 23 Aug 2018 15:53

Instrument :

MSVOA_X

ClientSampled :

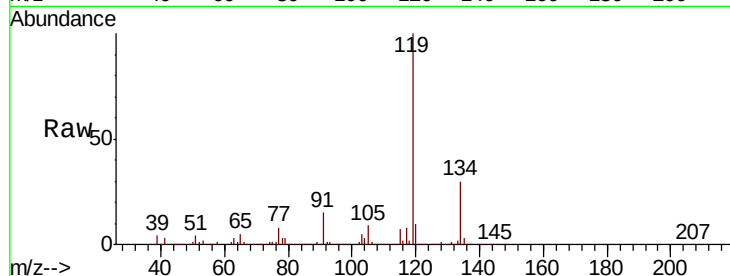
FL-0552

Tot Ion:117 Resp: 49476

Ion Ratio Lower Upper

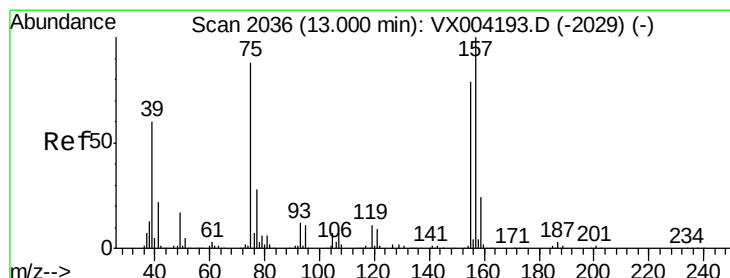
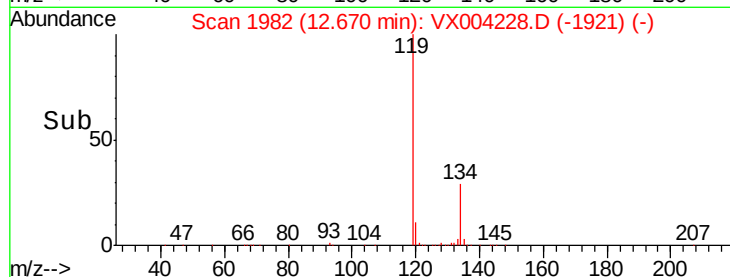
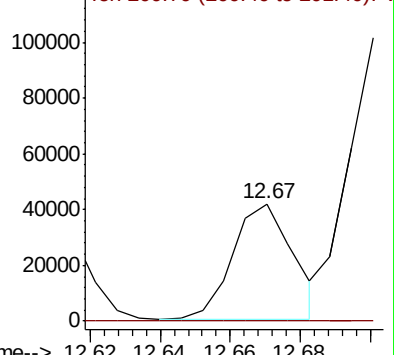
117 100

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: 3.41 ug/l

RT: 13.02 min Scan# 2039

Delta R.T. 0.02 min

Lab File: VX004228.D

Acq: 23 Aug 2018 15:53

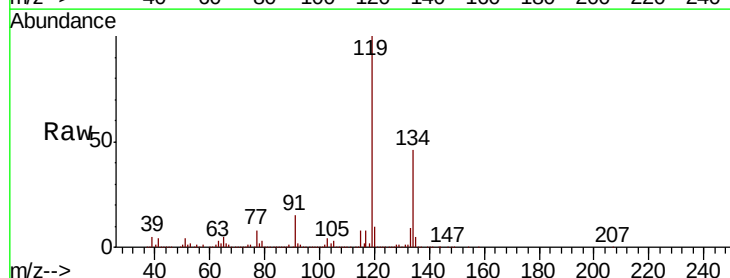
Tgt Ion: 75 Resp: 4140

Ion Ratio Lower Upper

75 100

155 0.0 48.0 144.2#

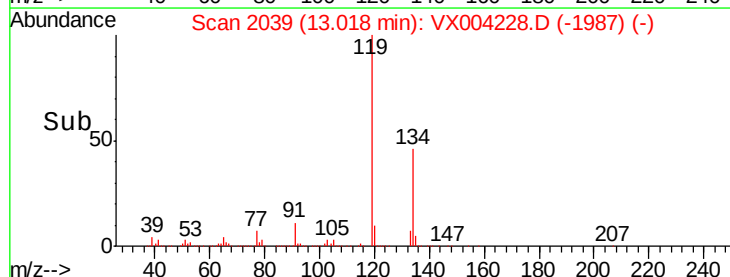
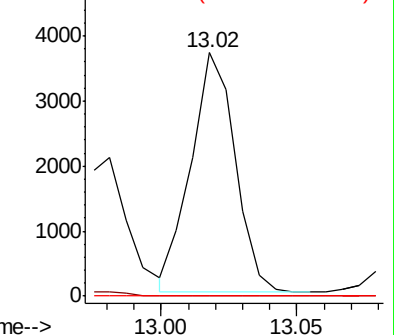
157 0.0 61.4 184.1#

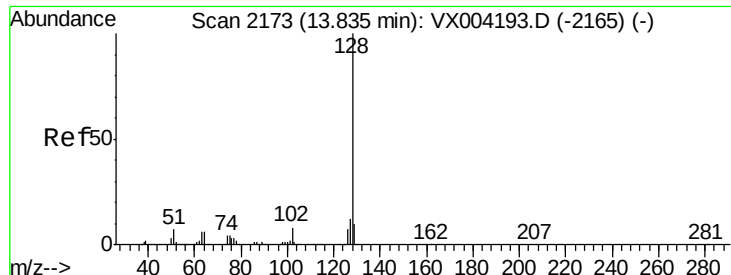


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V





#95
Naphthalene
Concen: 251.70 ug/l
RT: 13.83 min Scan# 2173
Delta R.T. -0.00 min
Lab File: VX004228.D
Acq: 23 Aug 2018 15:53

Instrument :
MSVOA_X
ClientSampleId :
FL-0552

Tot Ion:128 Resp: 4921630
Ion Ratio Lower Upper
128 100
127 13.2 10.2 15.2
129 11.5 8.6 12.8

