

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX090518\
 Data File : VX004370.D
 Acq On : 05 Sep 2018 14:29
 Operator : JC/MD
 Sample : J4693-01ME
 Misc : 6.49g/5mL/100uL/5.00mL/MSVOA_X/MEOH
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Sep 06 00:50:03 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	5.65	168	262953	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	415369	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	429596	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	407994	50.00	ug/l	0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.07	65	174796	51.00	ug/l	0.00
Spiked Amount			Recovery	=	102.00%	
35) Dibromofluoromethane	5.50	113	149984	48.54	ug/l	0.00
Spiked Amount			Recovery	=	97.08%	
50) Toluene-d8	8.71	98	632053	54.19	ug/l	0.00
Spiked Amount			Recovery	=	108.38%	
62) 4-Bromofluorobenzene	11.13	95	896886	206.08	ug/l	-0.01
Spiked Amount			Recovery	=	412.16%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	1332	0.68	ug/l	94
5) Bromomethane	1.63	94	1587	Below Cal		98
6) Chloroethane	1.73	64	124	1.01	ug/l #	44
10) Methyl Iodide	2.48	142	2348	4.91	ug/l	97
11) Tert butyl alcohol	3.02	59	4738	6.49	ug/l #	72
13) Acrolein	2.30	56	410	2.33	ug/l #	79
15) Acrylonitrile	3.18	53	1021	0.56	ug/l #	93
16) Acetone	2.43	43	73	Below Cal	#	42
17) Carbon Disulfide	2.53	76	2760	1.15	ug/l	98
18) Methyl Acetate	2.79	43	4290	0.84	ug/l	96
20) Methylene Chloride	2.84	84	2168	0.66	ug/l #	88
25) 2-Butanone	4.74	43	1009	Below Cal	#	47
29) Tetrahydrofuran	5.20	42	2523	1.71	ug/l #	63
31) Cyclohexane	5.59	56	2978	0.62	ug/l #	38
38) Carbon Tetrachloride	5.65	117	23205	5.28	ug/l #	14
39) Methylcyclohexane	7.44	83	11304	2.12	ug/l #	35
48) Methyl methacrylate	7.84	41	20266	5.37	ug/l	88
51) 4-Methyl-2-Pentanone	8.66	43	27047	5.27	ug/l #	48
55) 1,1,2-Trichloroethane	9.16	97	405756	115.08	ug/l #	20
56) Ethyl methacrylate	9.16	69	86763	18.08	ug/l #	1
58) 2-Chloroethyl Vinyl ether	8.34	63	1392	0.57	ug/l #	52
59) 2-Hexanone	9.45	43	2296910	587.19	ug/l #	26
60) Dibromochloromethane	9.35	129	2125	0.62	ug/l	87
61) 1,2-Dibromoethane	9.68	107	2019	0.55	ug/l #	1
64) Tetrachloroethene	9.33	164	1107	0.26	ug/l	92
65) Chlorobenzene	10.07	112	35077	3.25	ug/l #	55
67) Ethyl Benzene	10.25	91	30000	1.71	ug/l #	68
68) m/p-Xylenes	10.37	106	3596	0.53	ug/l #	1
69) o-Xylene	10.71	106	62330	9.62	ug/l	96
70) Styrene	10.71	104	4377	0.42	ug/l #	1
73) Isopropylbenzene	11.03	105	4765998	177.86	ug/l	99
74) N-amyl acetate	10.93	43	3606153	349.52	ug/l #	1
75) 1,1,2,2-Tetrachloroethane	11.29	83	4031747	429.94	ug/l #	25
76) 1,2,3-Trichloropropane	11.29	75	7540	0.91	ug/l #	1

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

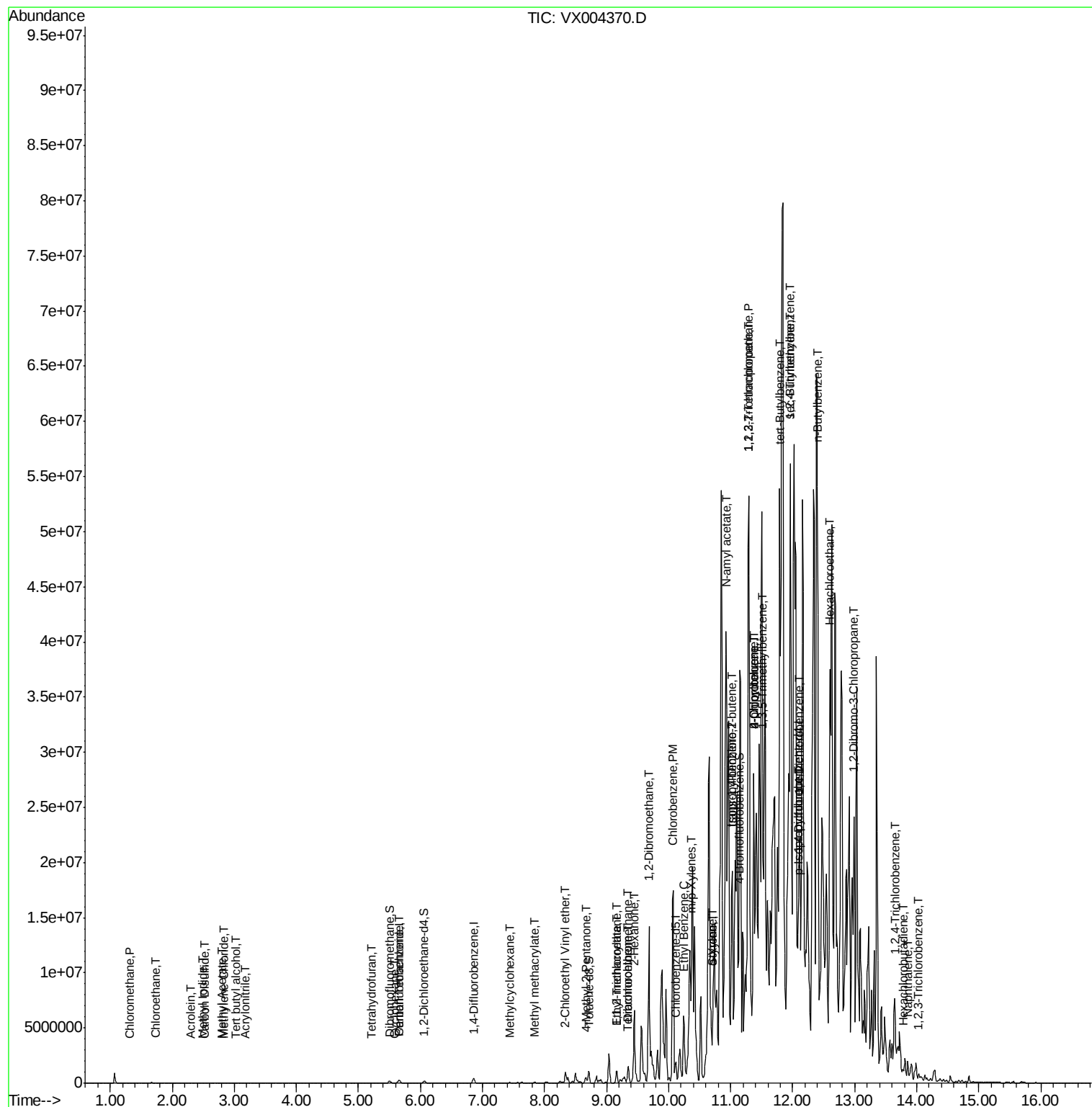
78) n-propylbenzene	11.37	91	13618254	441.87	ug/l	86
79) 2-Chlorotoluene	11.37	91	13618254	717.90	ug/l #	39
80) 1,3,5-Trimethylbenzene	11.52	105	179535	8.09	ug/l #	27
81) trans-1,4-Dichloro-2-buten	11.03	75	49498	19.35	ug/l #	1
82) 4-Chlorotoluene	11.37	91	13618254	610.08	ug/l #	44
83) tert-Butylbenzene	11.79	119	1718884	76.99	ug/l	87
84) 1,2,4-Trimethylbenzene	11.96	105	11728474	514.88	ug/l #	30
85) sec-Butylbenzene	11.96	105	11728474	442.46	ug/l #	59
86) p-Isopropyltoluene	12.08	119	1362125	57.34	ug/l	98
88) 1,4-Dichlorobenzene	12.11	146	3311	0.22	ug/l #	1
89) n-Butylbenzene	12.40	91	12417985	642.85	ug/l #	73
90) Hexachloroethane	12.60	117	1567292	472.03	ug/l #	3
92) 1,2-Dibromo-3-Chloropropan	12.99	75	81936	49.61	ug/l #	1
93) 1,2,4-Trichlorobenzene	13.65	180	3840	0.41	ug/l #	1
94) Hexachlorobutadiene	13.79	225	2247	0.38	ug/l	98
95) Naphthalene	13.85	128	31811	1.20	ug/l #	1
96) 1,2,3-Trichlorobenzene	14.02	180	2967	0.30	ug/l #	1

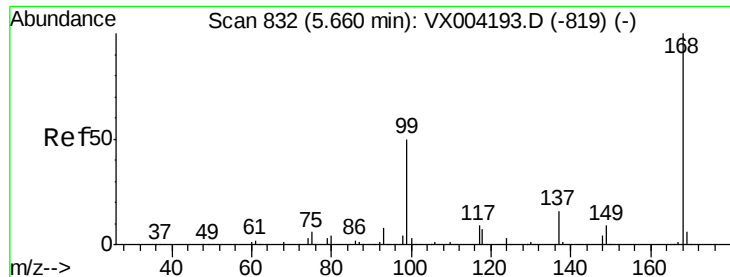
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.65 min Scan# 831

Delta R.T. -0.01 min

Lab File: VX004370.D

Acq: 05 Sep 2018 14:29

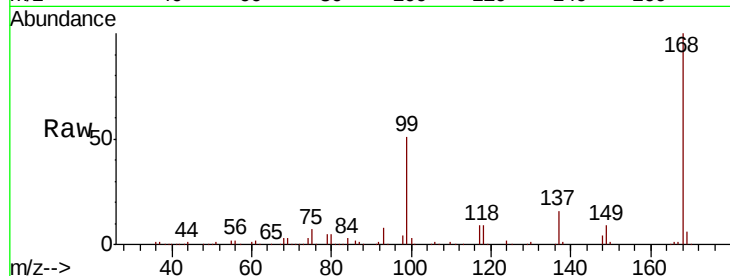
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:168 Resp: 262953

Ion Ratio Lower Upper

168 100

99 50.9 39.9 59.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.65

100000

80000

60000

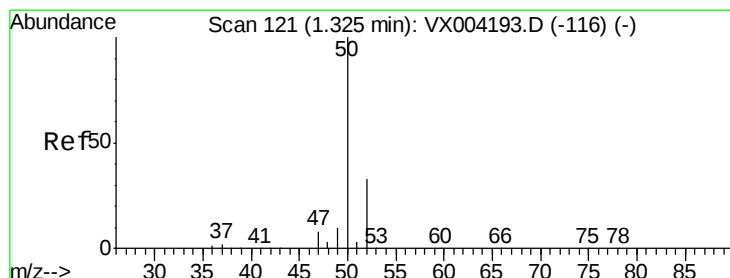
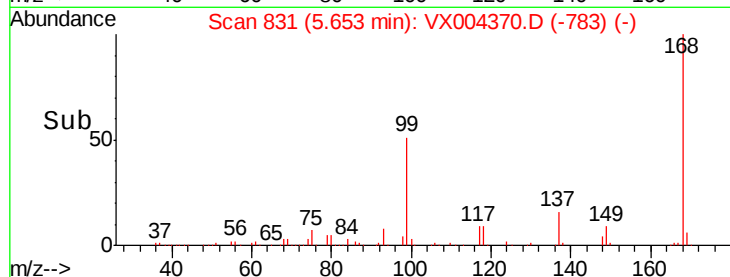
40000

20000

0

Time-->

5.50 5.60 5.70 5.80



#3

Chloromethane

Concen: 0.68 ug/l

RT: 1.32 min Scan# 120

Delta R.T. -0.01 min

Lab File: VX004370.D

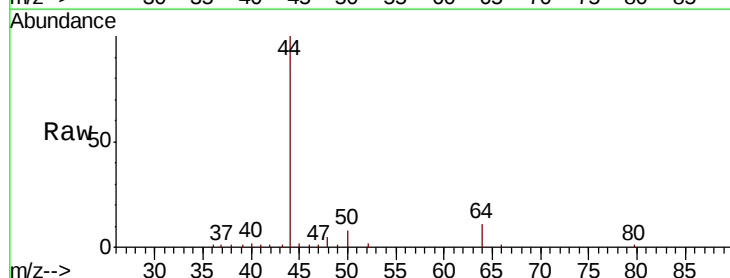
Acq: 05 Sep 2018 14:29

Tgt Ion: 50 Resp: 1332

Ion Ratio Lower Upper

50 100

52 29.4 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

1000

800

600

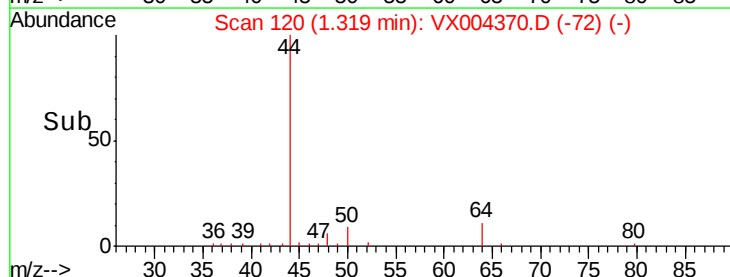
400

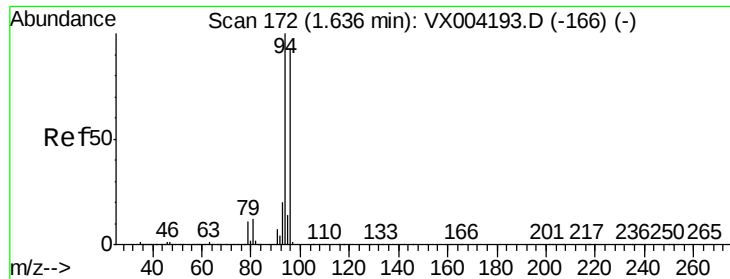
200

0

Time-->

1.30 1.35





#5

Bromomethane

Concen: Below Cal

RT: 1.63 min Scan# 171

Delta R.T. -0.01 min

Lab File: VX004370.D

Acq: 05 Sep 2018 14:29

Instrument :

MSVOA_X

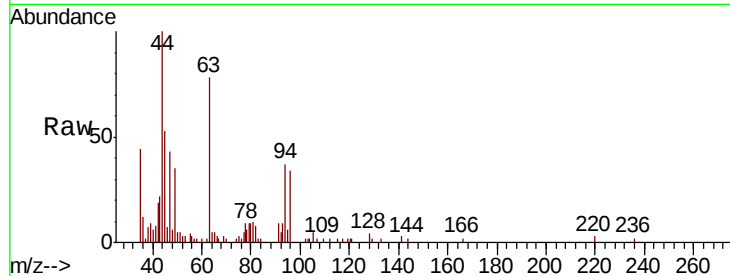
ClientSampled :

Tot Ion: 94 Resp: 1587

Ion Ratio Lower Upper

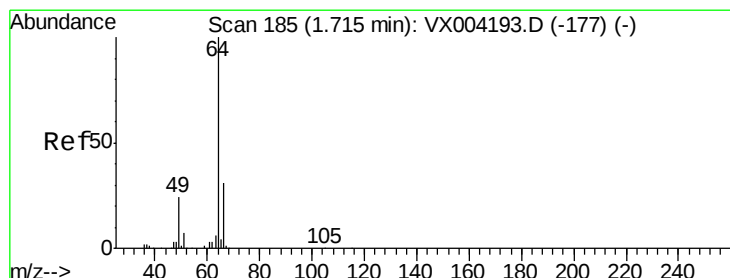
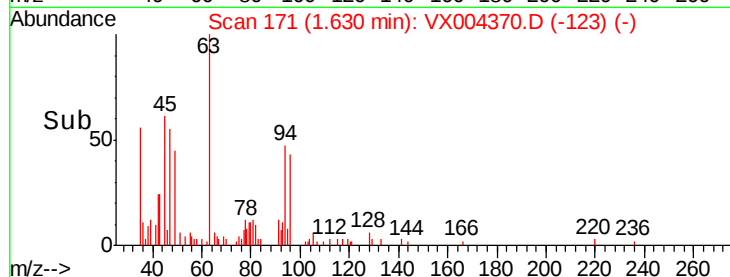
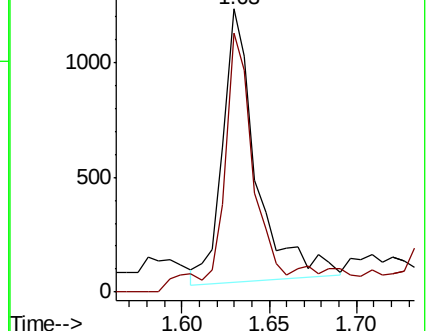
94 100

96 91.0 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: 1.01 ug/l

RT: 1.73 min Scan# 187

Delta R.T. 0.01 min

Lab File: VX004370.D

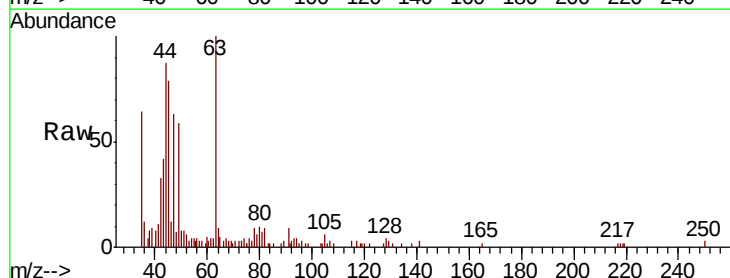
Acq: 05 Sep 2018 14:29

Tgt Ion: 64 Resp: 124

Ion Ratio Lower Upper

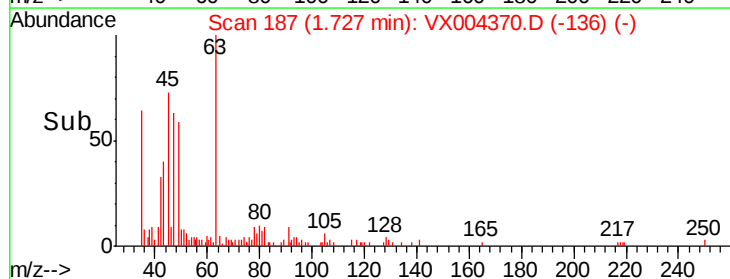
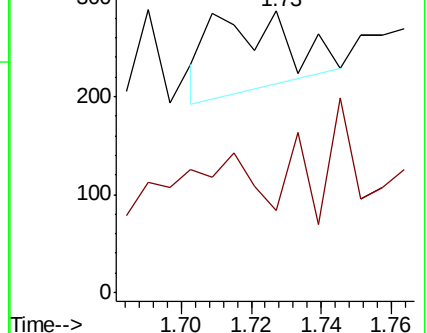
64 100

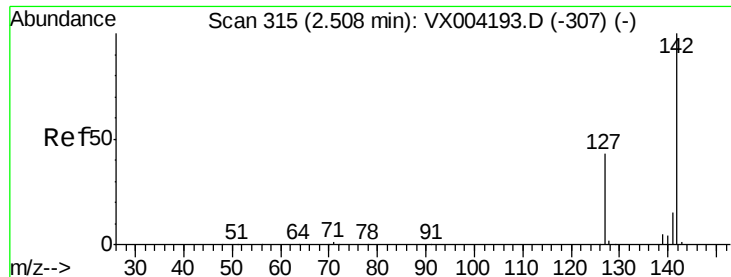
66 0.0 24.6 36.8#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

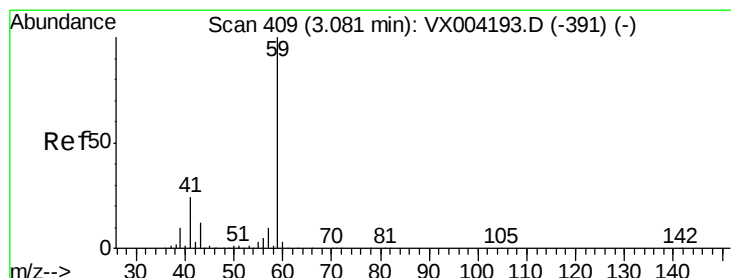
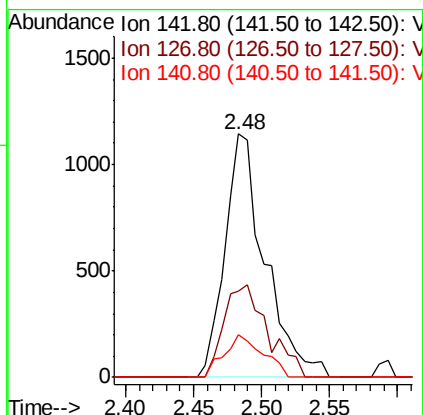
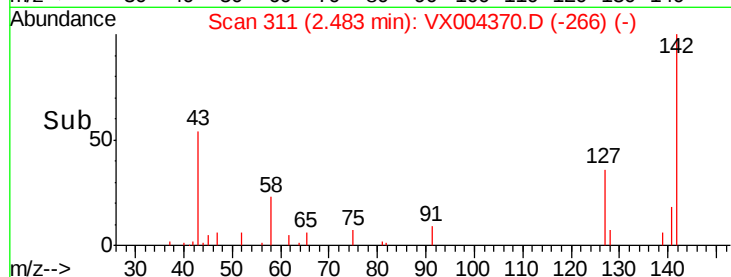
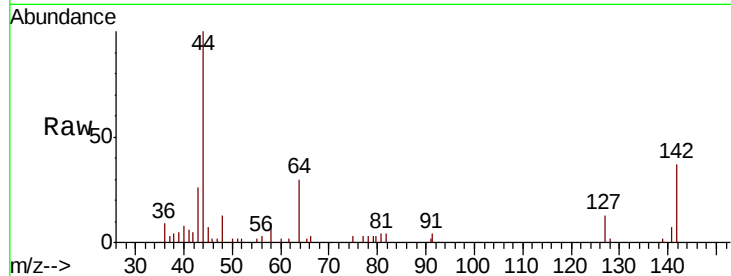




#10
Methyl Iodide
Concen: 4.91 ug/l
RT: 2.48 min Scan# 311
Delta R.T. -0.02 min
Lab File: VX004370.D
Acq: 05 Sep 2018 14:29

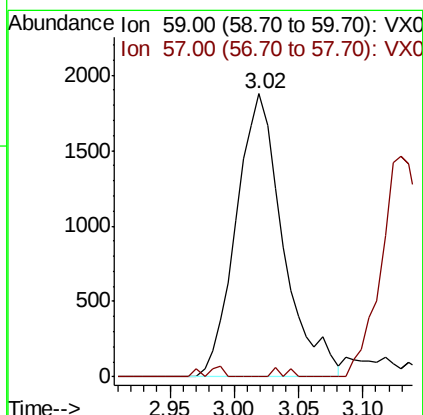
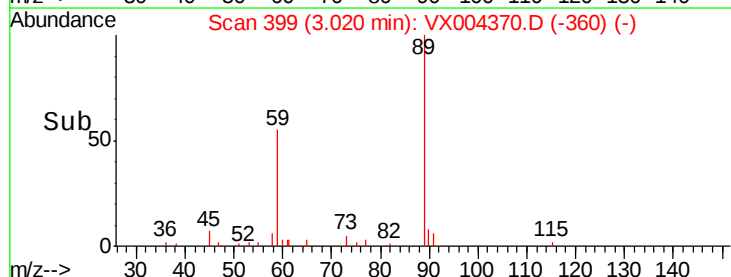
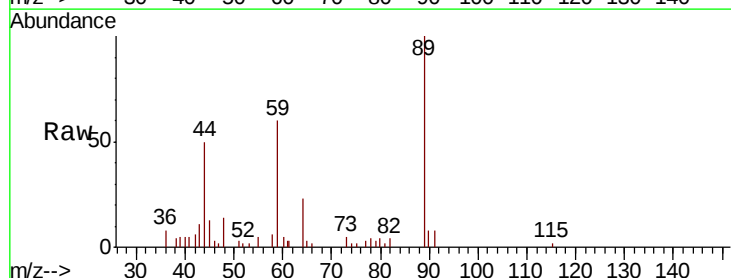
Instrument :
MSVOA_X
ClientSampled :

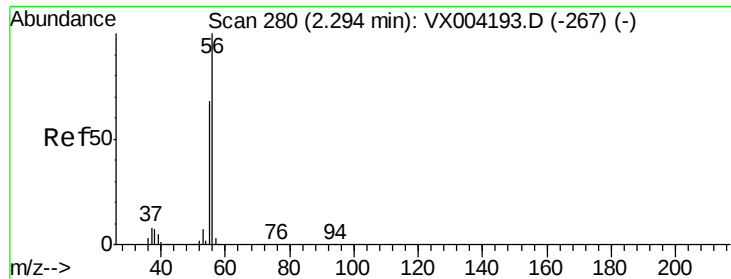
Tot Ion:142 Resp: 2348
Ion Ratio Lower Upper
142 100
127 41.5 33.8 50.6
141 17.0 11.4 17.0



#11
Tert butyl alcohol
Concen: 6.49 ug/l
RT: 3.02 min Scan# 399
Delta R.T. -0.06 min
Lab File: VX004370.D
Acq: 05 Sep 2018 14:29

Tgt Ion: 59 Resp: 4738
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#





#13

Acrolein

Concen: 2.33 ug/l

RT: 2.30 min Scan# 281

Delta R.T. 0.01 min

Lab File: VX004370.D

Acq: 05 Sep 2018 14:29

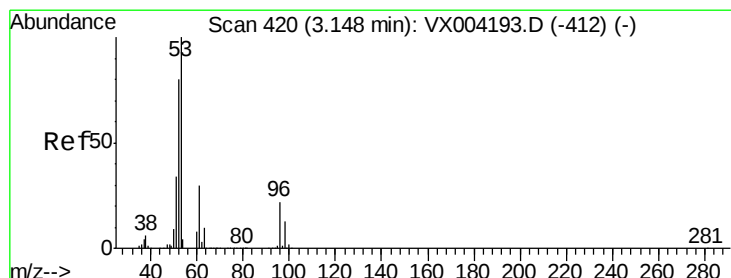
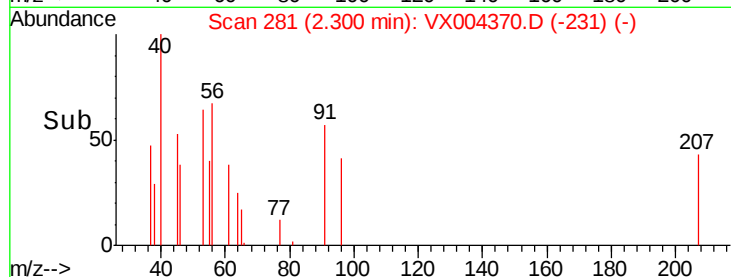
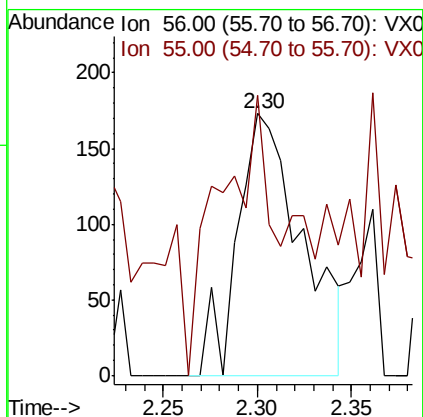
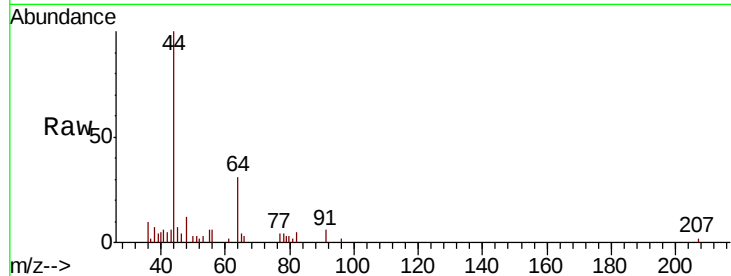
Instrument :
MSVOA_X
ClientSampled :

Tot Ion: 56 Resp: 410

Ion Ratio Lower Upper

56 100

55 85.4 54.7 82.1#



#15

Acrylonitrile

Concen: 0.56 ug/l

RT: 3.18 min Scan# 425

Delta R.T. 0.03 min

Lab File: VX004370.D

Acq: 05 Sep 2018 14:29

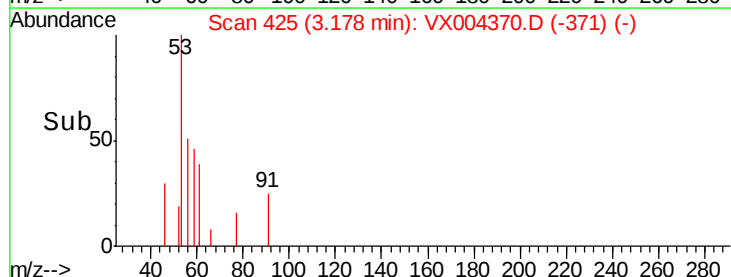
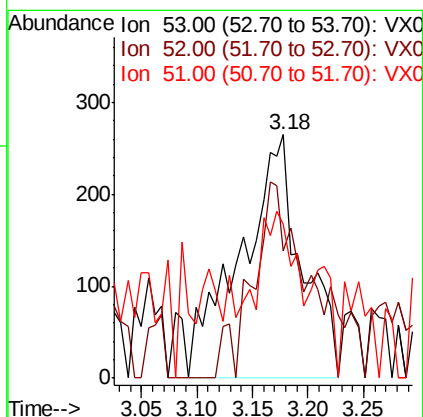
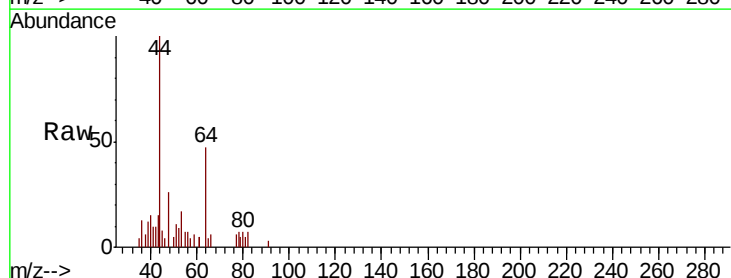
Tgt Ion: 53 Resp: 1021

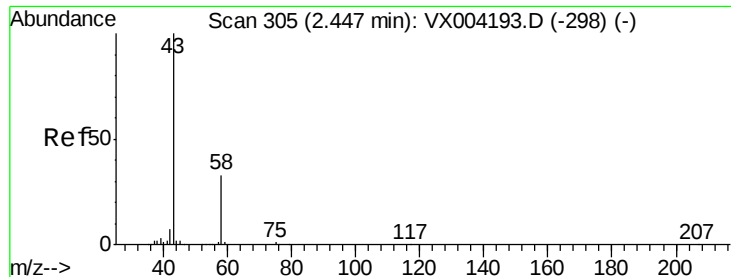
Ion Ratio Lower Upper

53 100

52 76.9 65.2 97.8

51 42.4 28.2 42.2#





#16

Acetone

Concen: Below Cal

RT: 2.43 min Scan# 302

Delta R.T. -0.02 min

Lab File: VX004370.D

Acq: 05 Sep 2018 14:29

Instrument :

MSVOA_X

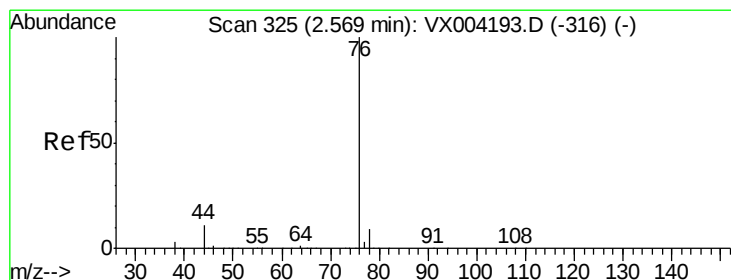
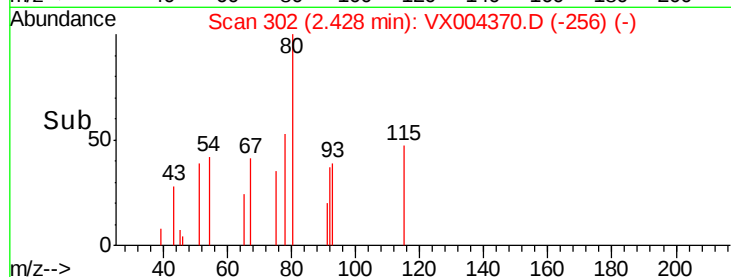
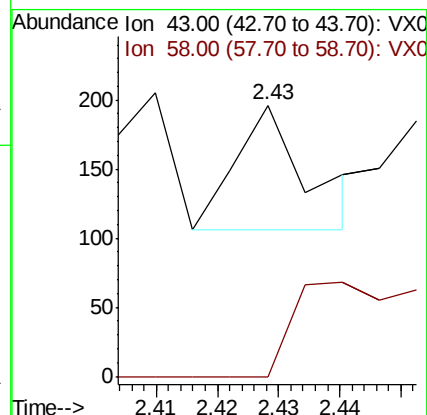
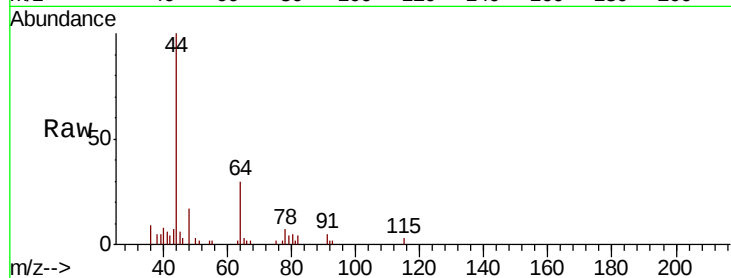
ClientSampled :

Tot Ion: 43 Resp: 73

Ion Ratio Lower Upper

43 100

58 0.0 26.2 39.4#



#17

Carbon Disulfide

Concen: 1.15 ug/l

RT: 2.53 min Scan# 319

Delta R.T. -0.04 min

Lab File: VX004370.D

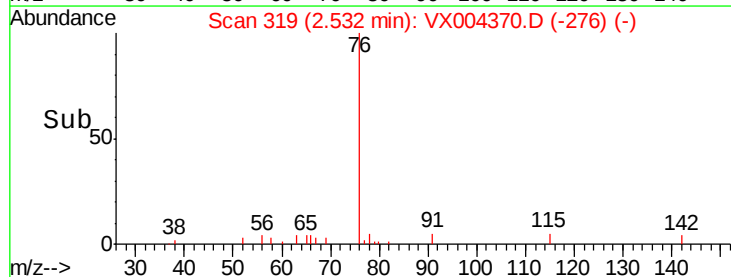
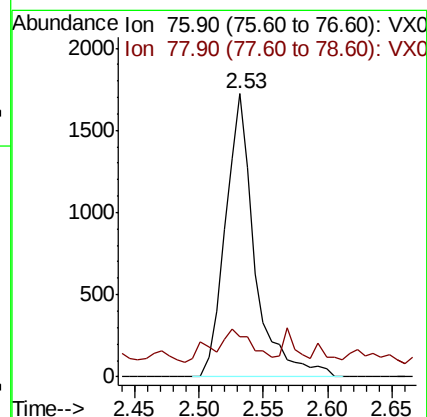
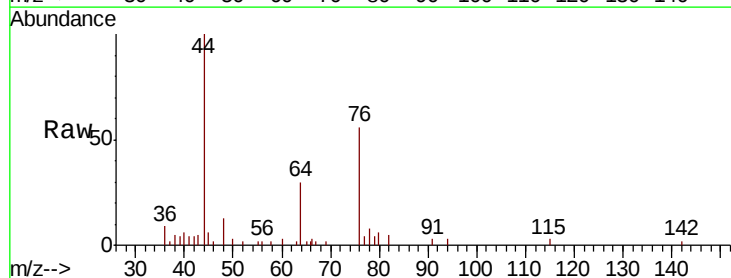
Acq: 05 Sep 2018 14:29

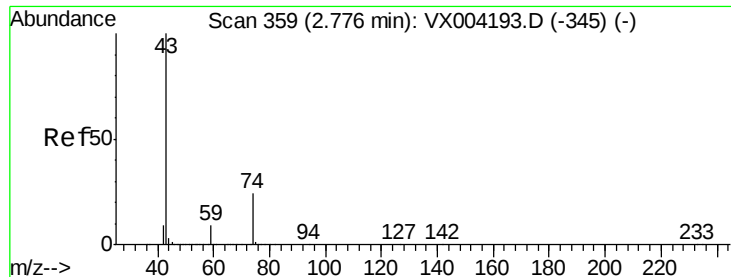
Tgt Ion: 76 Resp: 2760

Ion Ratio Lower Upper

76 100

78 8.1 7.0 10.6

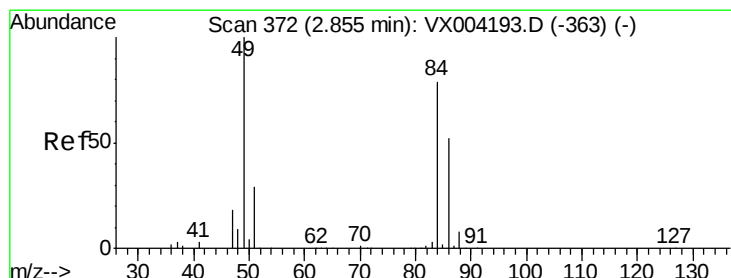
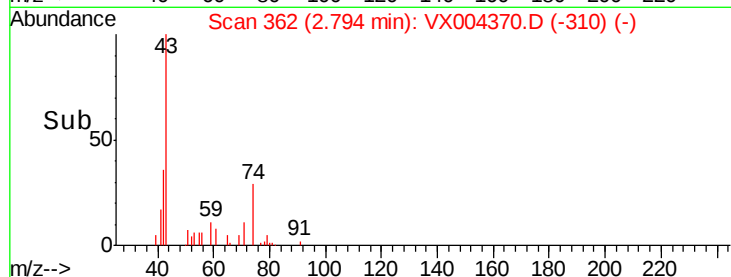
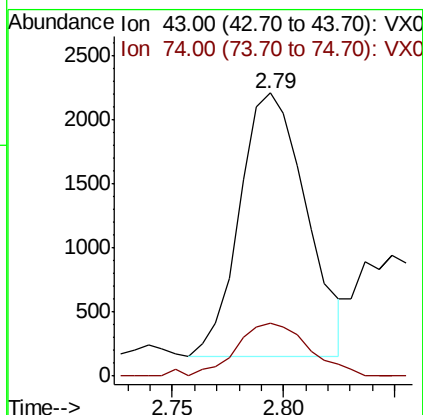
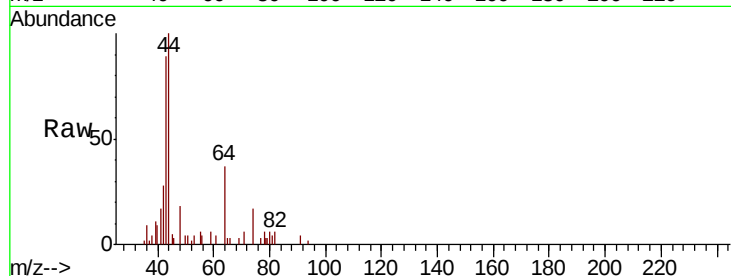




#18
Methvl Acetate
Concen: 0.84 ug/l
RT: 2.79 min Scan# 362
Delta R.T. 0.02 min
Lab File: VX004370.D
Acq: 05 Sep 2018 14:29

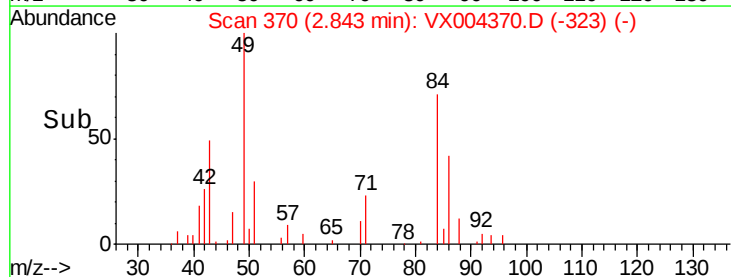
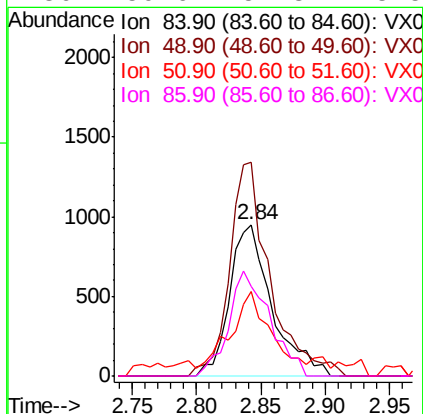
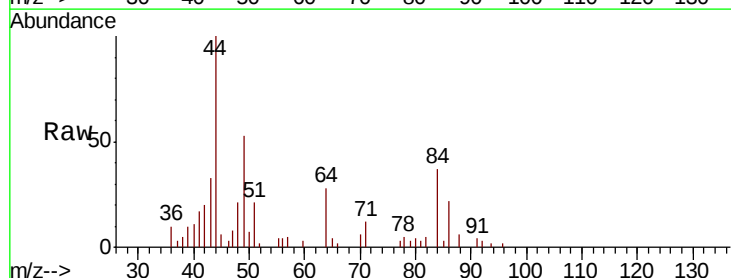
Instrument :
MSVOA_X
ClientSampled :

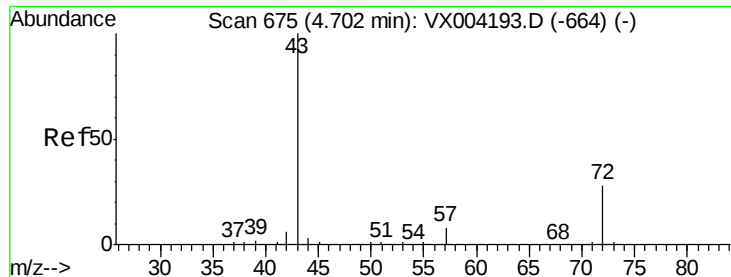
Tot Ion: 43 Resp: 4290
Ion Ratio Lower Upper
43 100
74 22.2 19.4 29.2



#20
Methylene Chloride
Concen: 0.66 ug/l
RT: 2.84 min Scan# 370
Delta R.T. -0.01 min
Lab File: VX004370.D
Acq: 05 Sep 2018 14:29

Tgt Ion: 84 Resp: 2168
Ion Ratio Lower Upper
84 100
49 141.3 101.2 151.8
51 46.5 29.5 44.3#
86 59.6 52.3 78.5





#25

2-Butanone

Concen: Below Cal

RT: 4.74 min Scan# 682

Delta R.T. 0.04 min

Lab File: VX004370.D

Acq: 05 Sep 2018 14:29

Instrument :

MSVOA_X

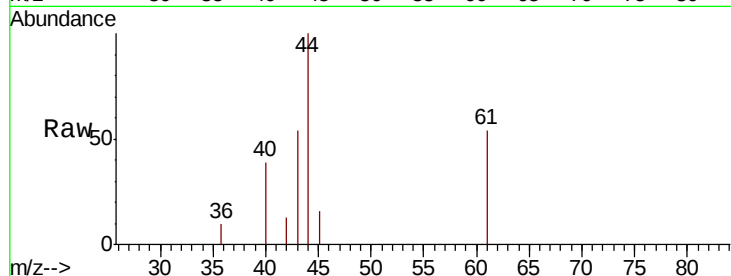
ClientSampled :

Tot Ion: 43 Resp: 1009

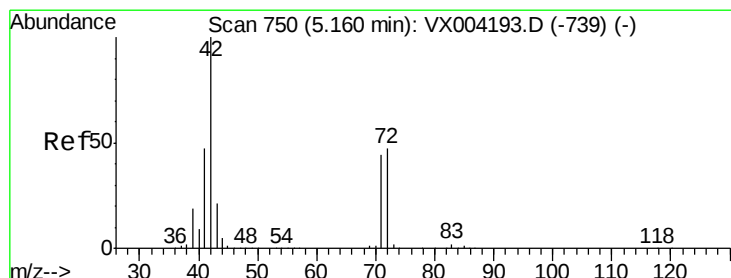
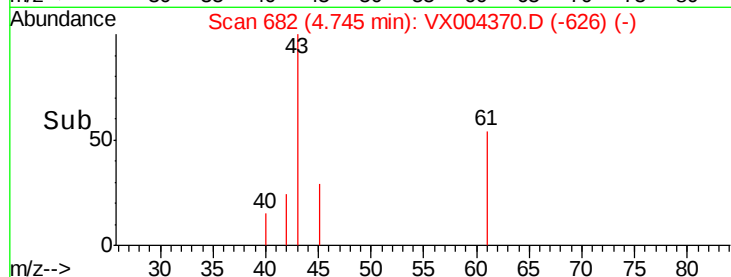
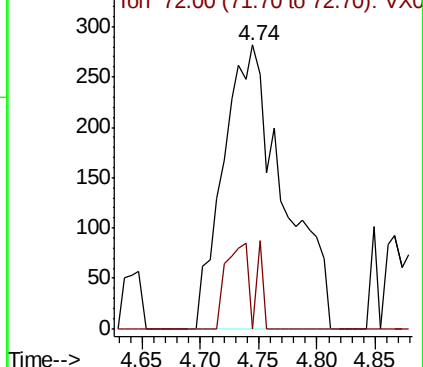
Ion Ratio Lower Upper

43 100

72 0.0 22.0 33.0#



Abundance Ion 43.00 (42.70 to 43.70): VX0



#29

Tetrahydrofuran

Concen: 1.71 ug/l

RT: 5.20 min Scan# 756

Delta R.T. 0.04 min

Lab File: VX004370.D

Acq: 05 Sep 2018 14:29

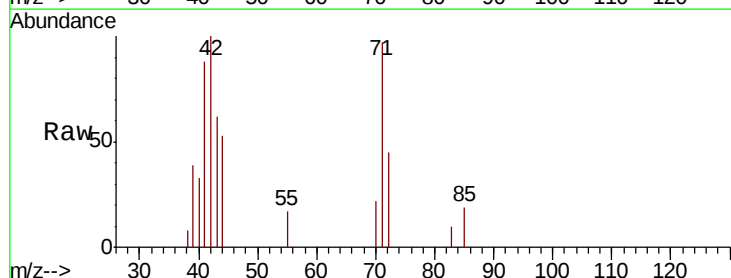
Tgt Ion: 42 Resp: 2523

Ion Ratio Lower Upper

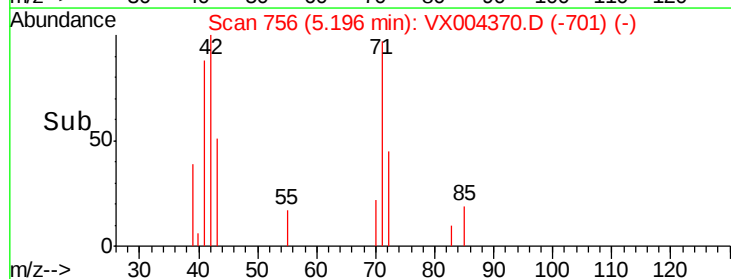
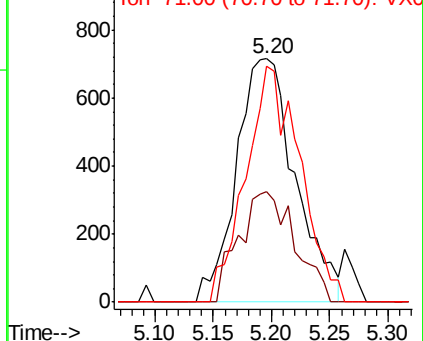
42 100

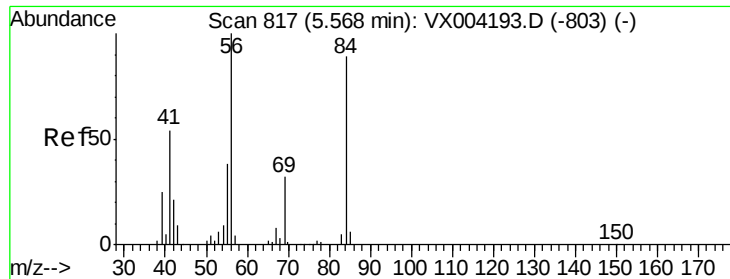
72 43.0 37.4 56.0

71 89.0 34.5 51.7#



Abundance Ion 42.00 (41.70 to 42.70): VX0

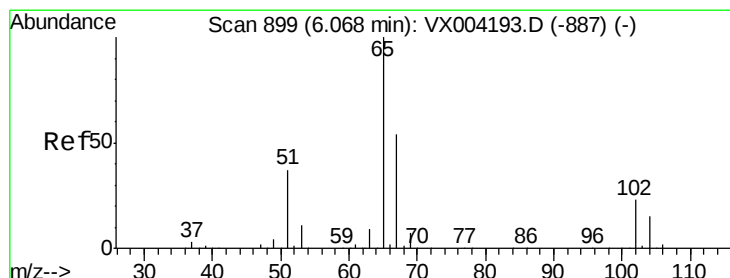
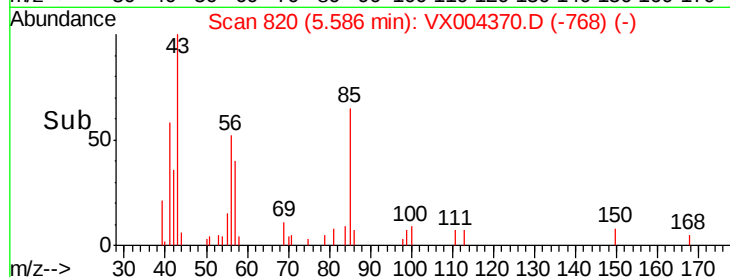
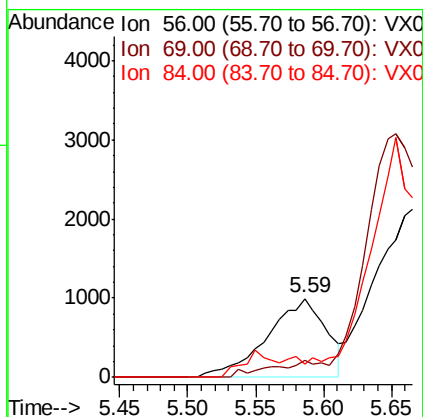
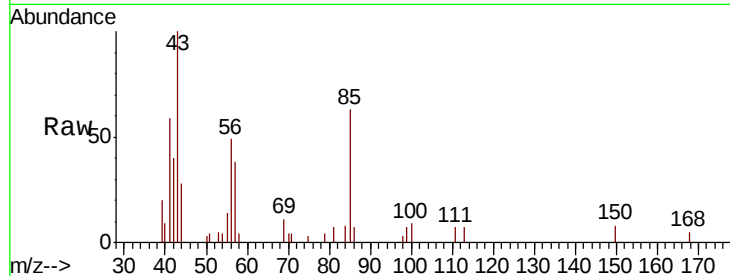




#31
Cvclohexane
Concen: 0.62 ug/l
RT: 5.59 min Scan# 820
Delta R.T. 0.02 min
Lab File: VX004370.D
Acq: 05 Sep 2018 14:29

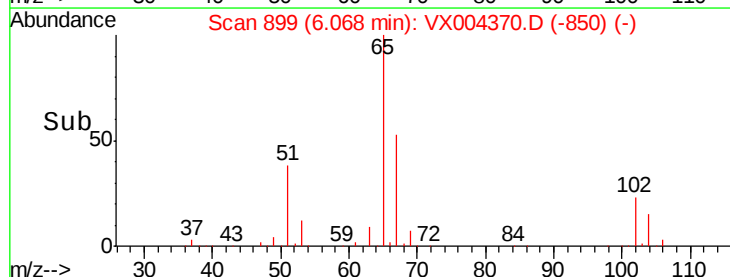
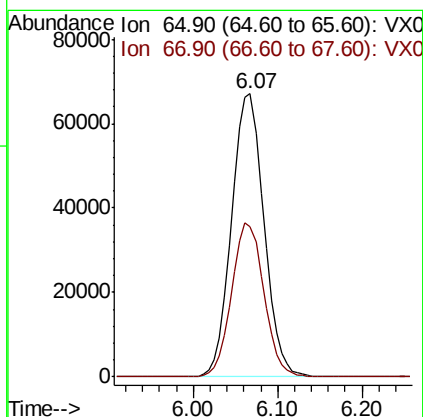
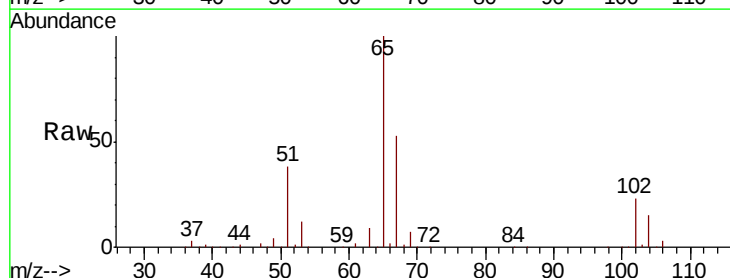
Instrument :
MSVOA_X
ClientSampled :

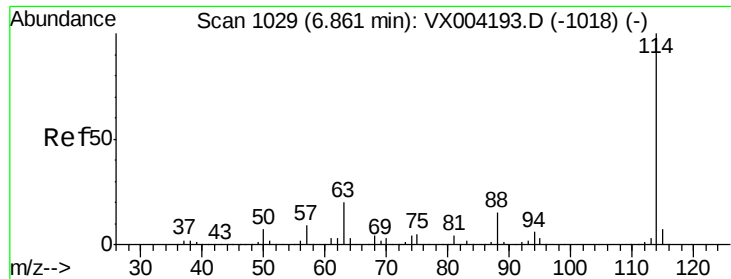
Tot Ion: 56 Resp: 2978
Ion Ratio Lower Upper
56 100
69 21.5 25.4 38.2#
84 16.6 71.4 107.2#



#33
1,2-Dichloroethane-d4
Concen: 51.00 ug/l
RT: 6.07 min Scan# 899
Delta R.T. -0.00 min
Lab File: VX004370.D
Acq: 05 Sep 2018 14:29

Tgt Ion: 65 Resp: 174796
Ion Ratio Lower Upper
65 100
67 54.1 0.0 106.8

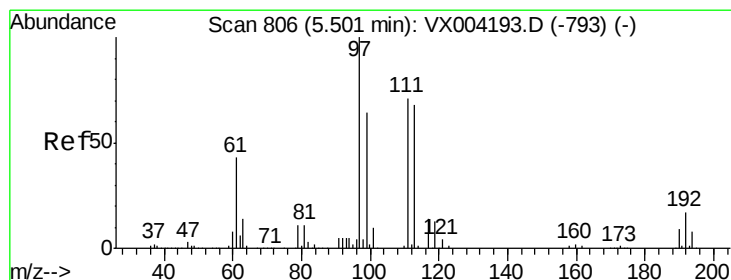
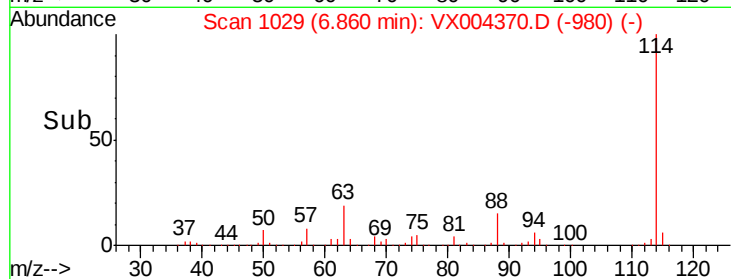
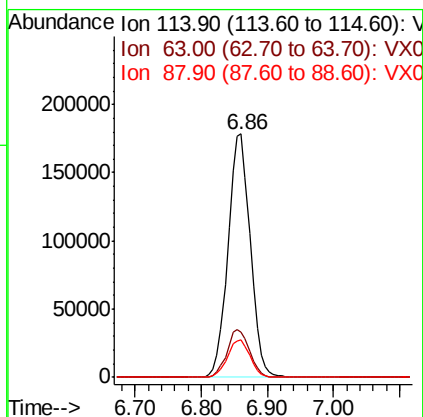
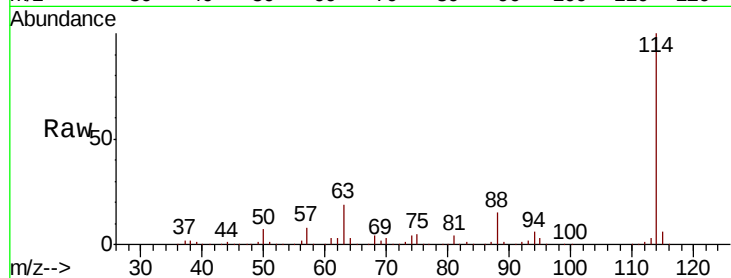




#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.86 min Scan# 1029
 Delta R.T. -0.00 min
 Lab File: VX004370.D
 Acq: 05 Sep 2018 14:29

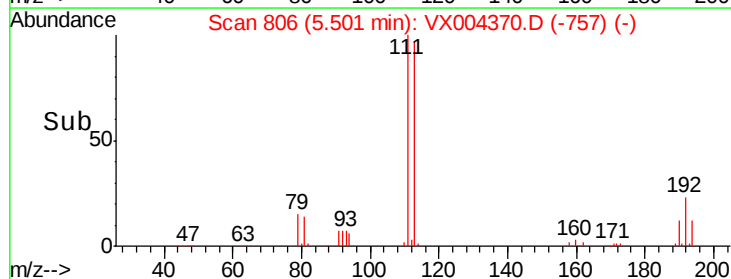
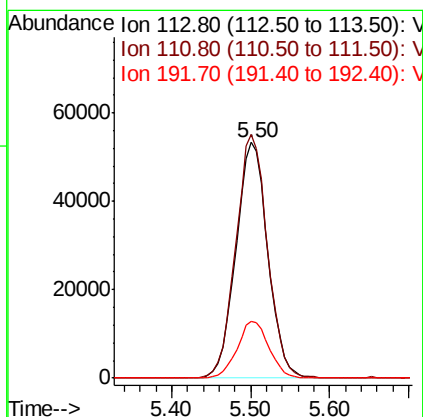
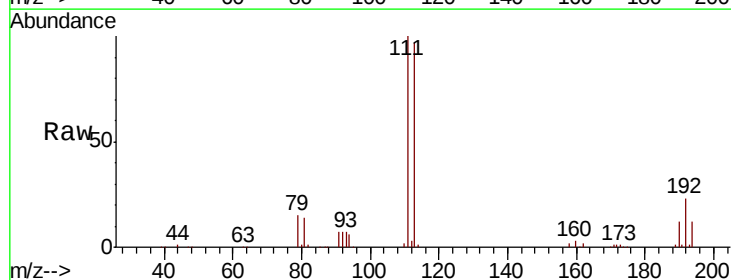
Instrument :
 MSVOA_X
 ClientSampleId :

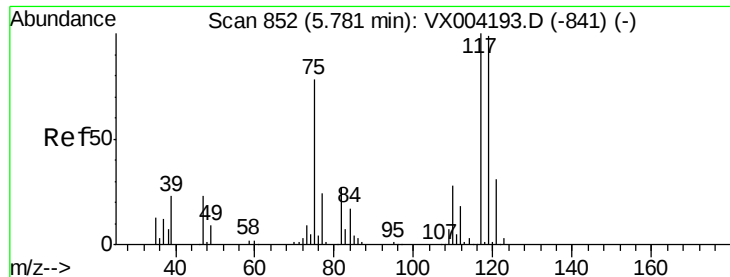
Tot Ion:114 Resp: 415369
 Ion Ratio Lower Upper
 114 100
 63 18.7 0.0 39.0
 88 15.4 0.0 30.4



#35
 Dibromofluoromethane
 Concen: 48.54 ug/l
 RT: 5.50 min Scan# 806
 Delta R.T. -0.00 min
 Lab File: VX004370.D
 Acq: 05 Sep 2018 14:29

Tgt Ion:113 Resp: 149984
 Ion Ratio Lower Upper
 113 100
 111 102.7 82.4 123.6
 192 24.1 19.4 29.2





#38

Carbon Tetrachloride

Concen: 5.28 ug/l

RT: 5.65 min Scan# 831

Delta R.T. -0.13 min

Lab File: VX004370.D

Acq: 05 Sep 2018 14:29

Instrument :

MSVOA_X

ClientSampleId :

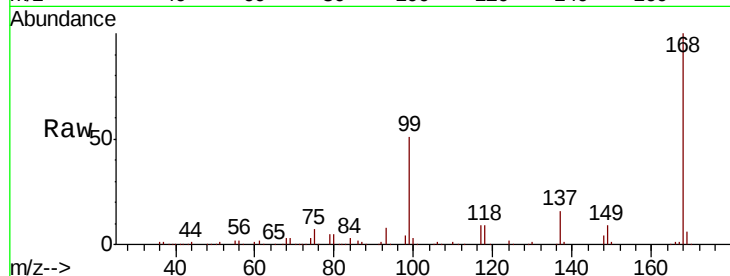
Tot Ion:117 Resp: 23205

Ion Ratio Lower Upper

117 100

119 4.1 78.8 118.2#

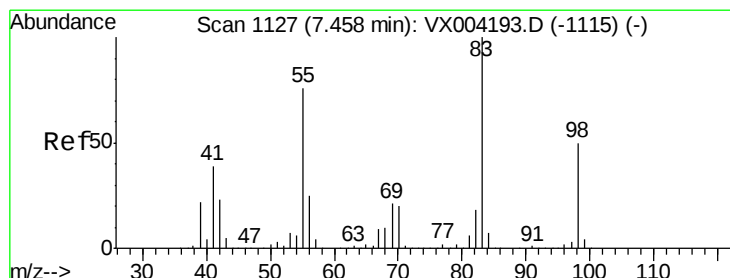
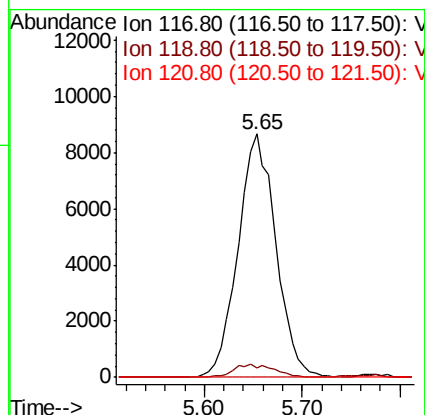
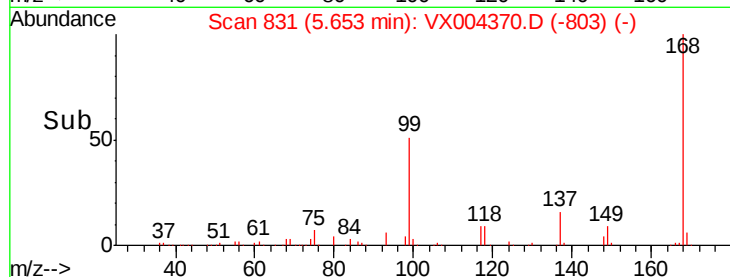
121 0.0 24.9 37.3#



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: 2.12 ug/l

RT: 7.44 min Scan# 1124

Delta R.T. -0.02 min

Lab File: VX004370.D

Acq: 05 Sep 2018 14:29

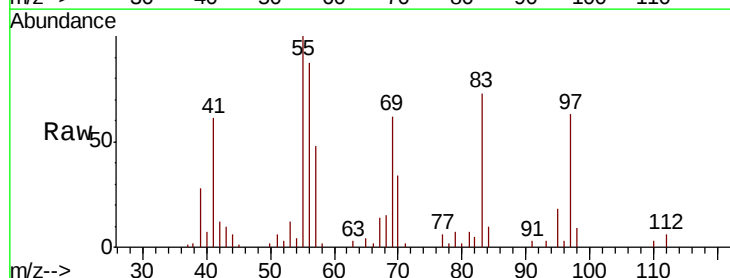
Tgt Ion: 83 Resp: 11304

Ion Ratio Lower Upper

83 100

55 137.6 61.0 91.4#

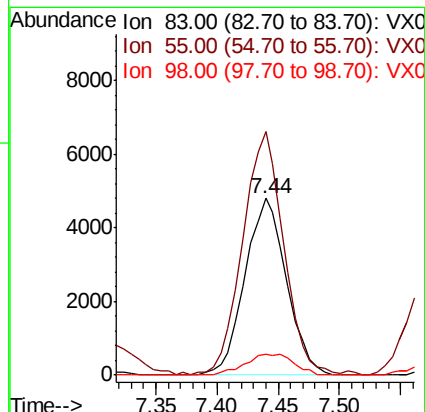
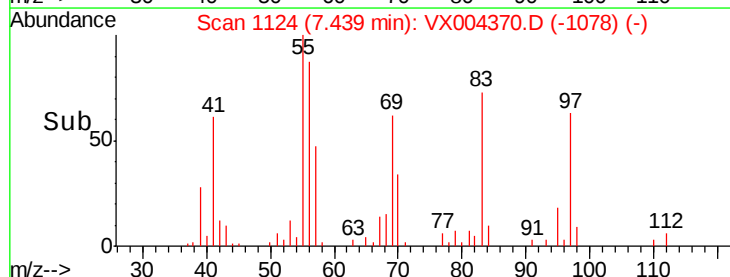
98 12.0 39.6 59.4#

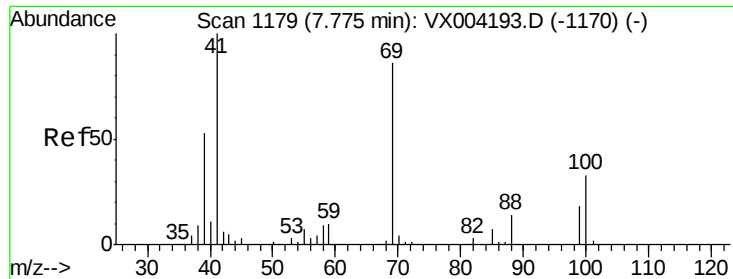


Abundance Ion 83.00 (82.70 to 83.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 98.00 (97.70 to 98.70): VX0

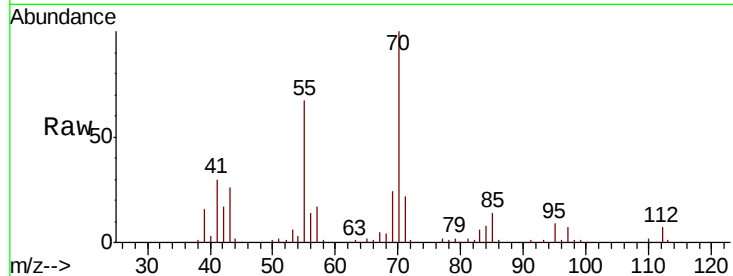




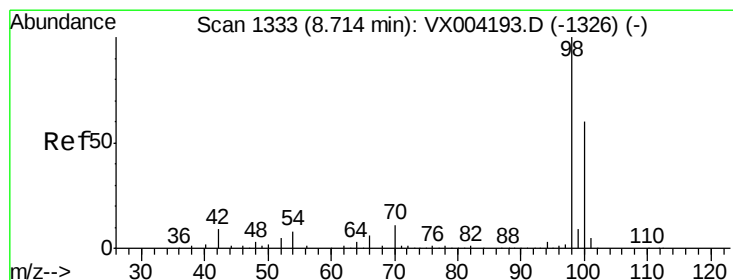
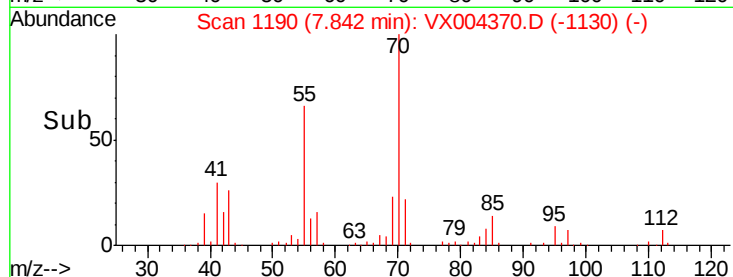
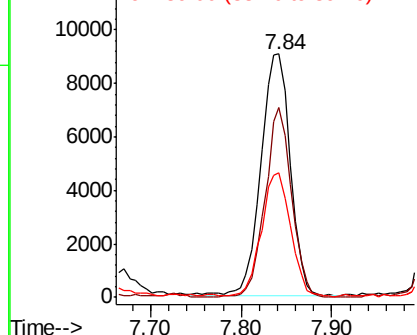
#48
Methvl methacrylate
Concen: 5.37 ug/l
RT: 7.84 min Scan# 1190
Delta R.T. 0.07 min
Lab File: VX004370.D
Acq: 05 Sep 2018 14:29

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 41 Resp: 20266
Ion Ratio Lower Upper
41 100
69 71.1 70.2 105.4
39 52.2 42.7 64.1

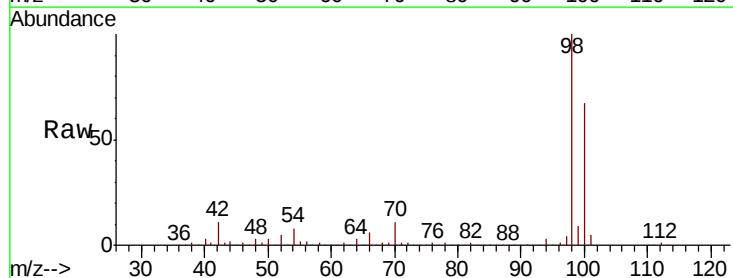


Abundance Ion 41.00 (40.70 to 41.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 39.00 (38.70 to 39.70): VX0

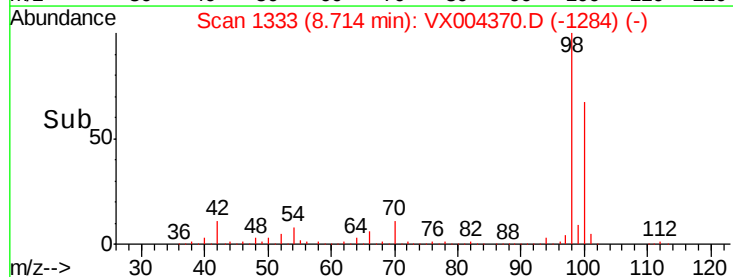
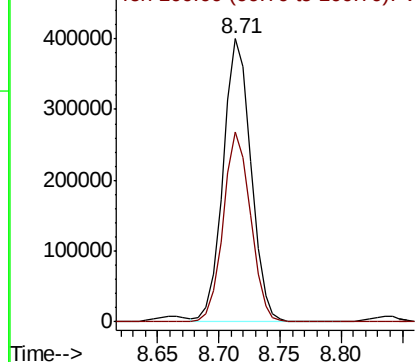


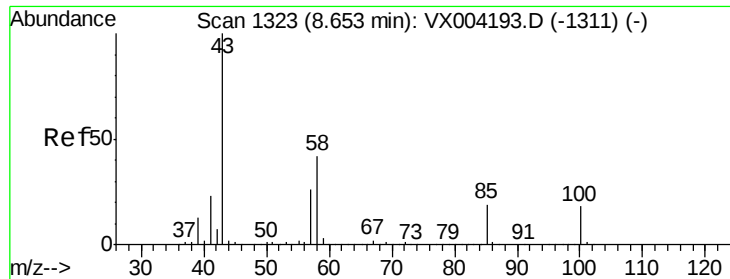
#50
Toluene-d8
Concen: 54.19 ug/l
RT: 8.71 min Scan# 1333
Delta R.T. -0.00 min
Lab File: VX004370.D
Acq: 05 Sep 2018 14:29

Tgt Ion: 98 Resp: 632053
Ion Ratio Lower Upper
98 100
100 65.8 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: 5.27 ug/l

RT: 8.66 min Scan# 1325

Delta R.T. 0.01 min

Lab File: VX004370.D

Acq: 05 Sep 2018 14:29

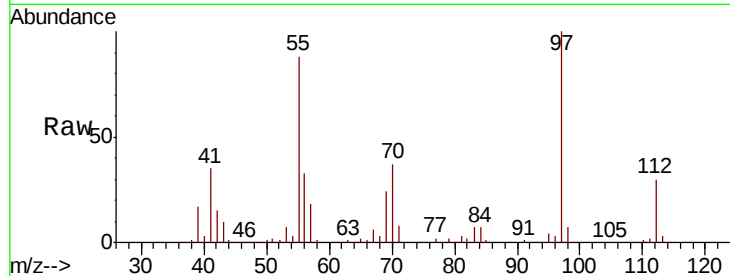
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 43 Resp: 27047

Ion Ratio Lower Upper

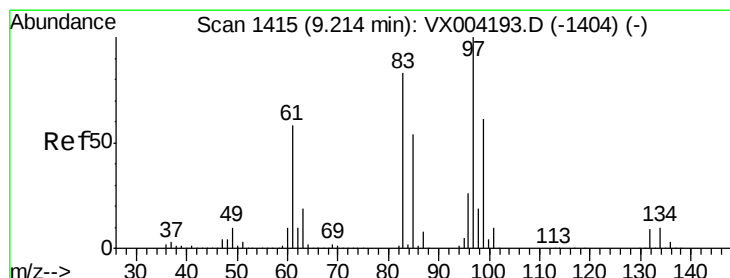
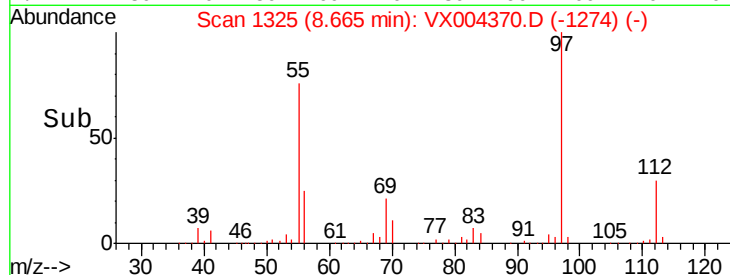
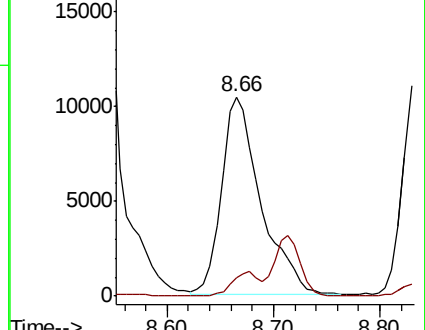
43 100

58 8.5 33.1 49.7#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#55

1,1,2-Trichloroethane

Concen: 115.08 ug/l

RT: 9.16 min Scan# 1407

Delta R.T. -0.05 min

Lab File: VX004370.D

Acq: 05 Sep 2018 14:29

Tgt Ion: 97 Resp: 405756

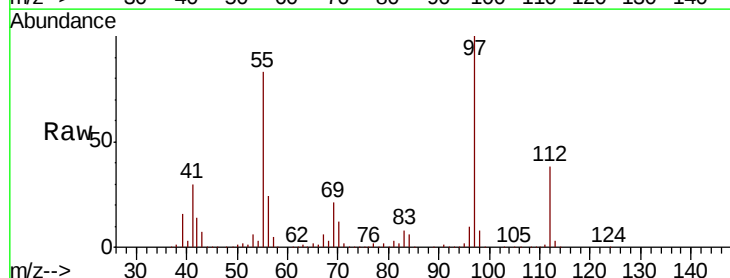
Ion Ratio Lower Upper

97 100

83 7.9 66.4 99.6#

85 0.4 43.3 64.9#

99 0.3 49.0 73.4#

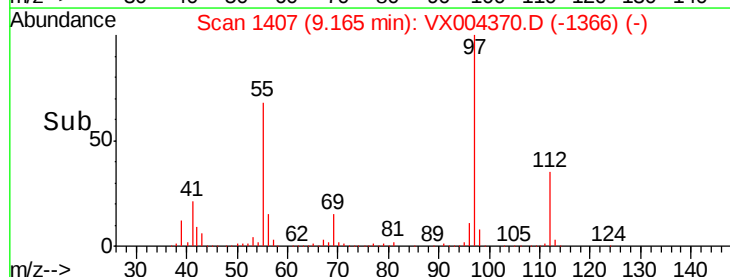
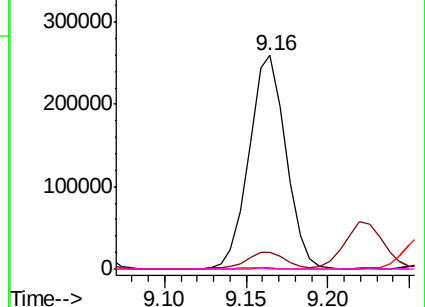


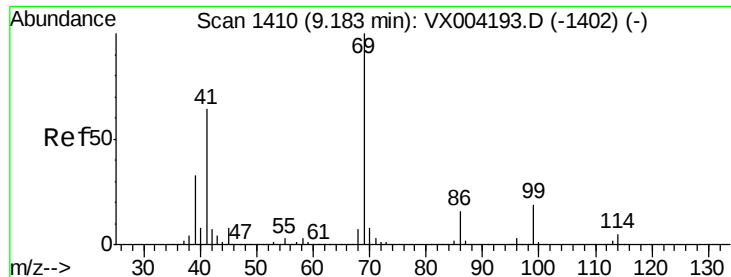
Abundance Ion 96.90 (96.60 to 97.60): VX0

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





#56

Ethyl methacrylate

Concen: 18.08 ug/l

RT: 9.16 min Scan# 1407

Delta R.T. -0.02 min

Lab File: VX004370.D

Acq: 05 Sep 2018 14:29

Instrument :

MSVOA_X

ClientSampled :

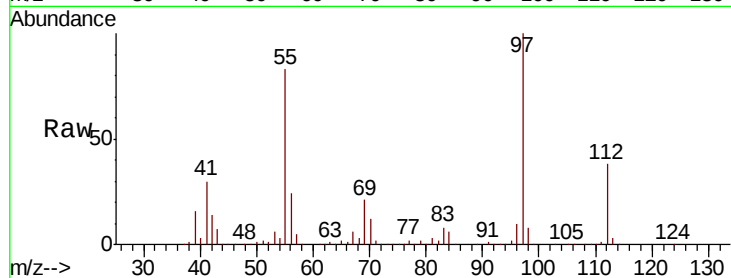
Tot Ion: 69 Resp: 86763

Ion Ratio Lower Upper

69 100

41 147.1 51.0 76.4#

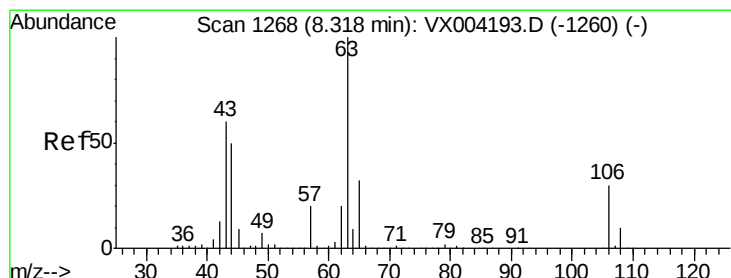
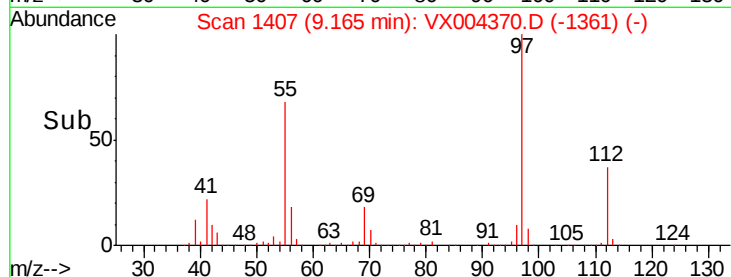
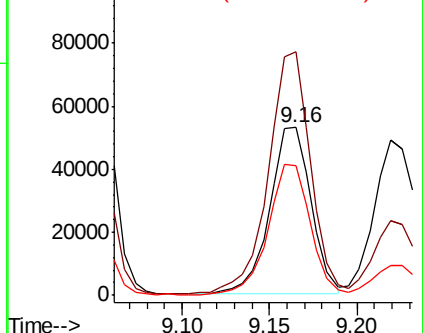
39 80.3 26.1 39.1#



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



#58

2-Chloroethyl Vinyl ether

Concen: 0.57 ug/l

RT: 8.34 min Scan# 1271

Delta R.T. 0.02 min

Lab File: VX004370.D

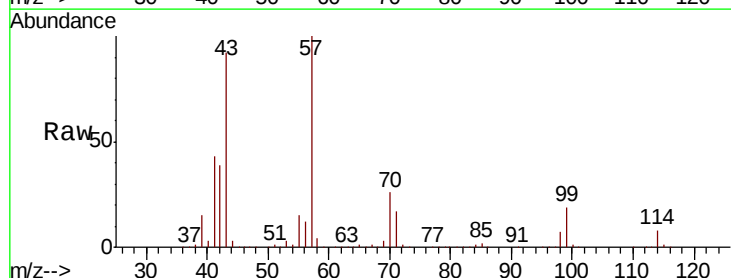
Acq: 05 Sep 2018 14:29

Tgt Ion: 63 Resp: 1392

Ion Ratio Lower Upper

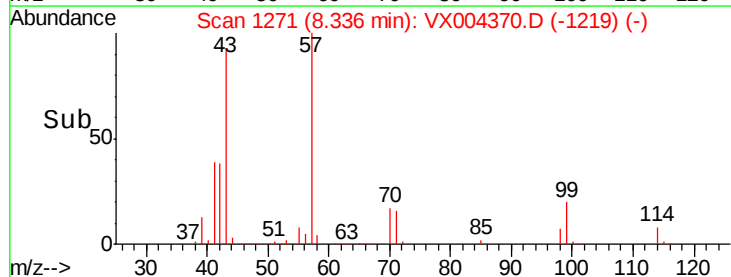
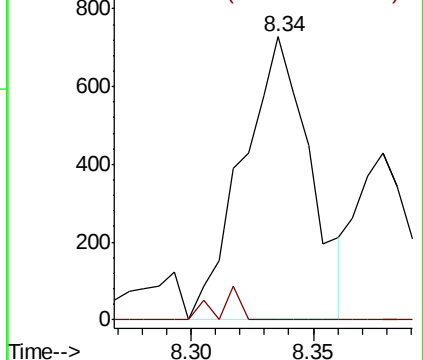
63 100

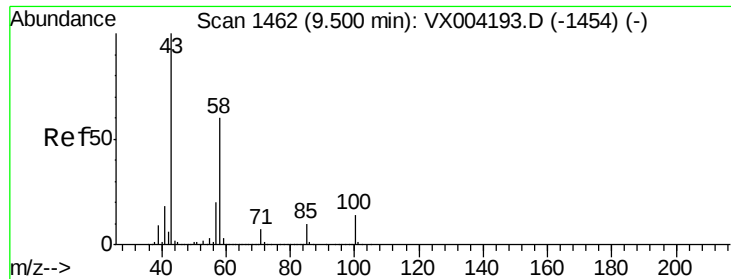
106 3.7 23.9 35.9#



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V

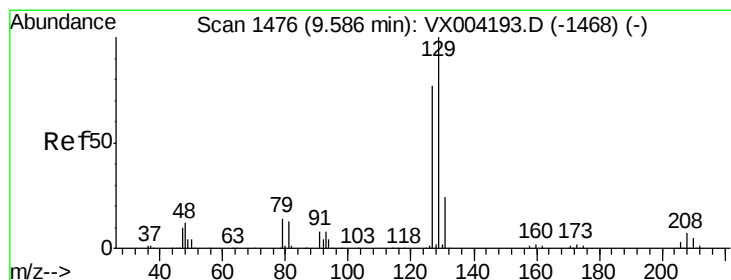
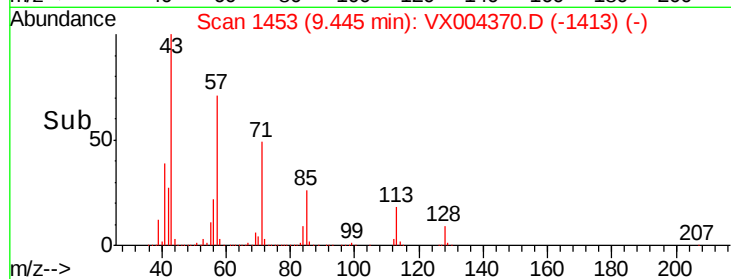
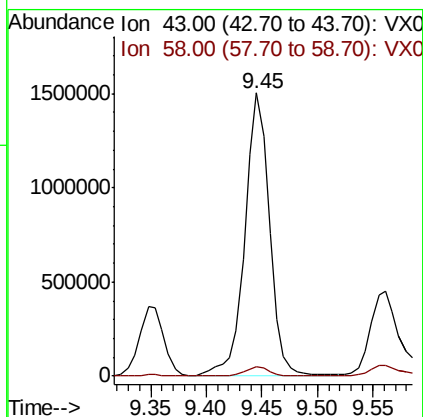
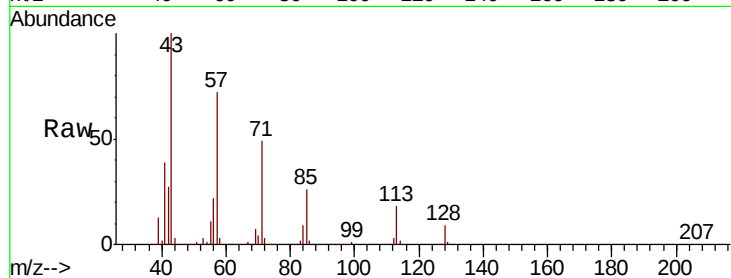




#59
2-Hexanone
Concen: 587.19 ug/l
RT: 9.45 min Scan# 1453
Delta R.T. -0.06 min
Lab File: VX004370.D
Acq: 05 Sep 2018 14:29

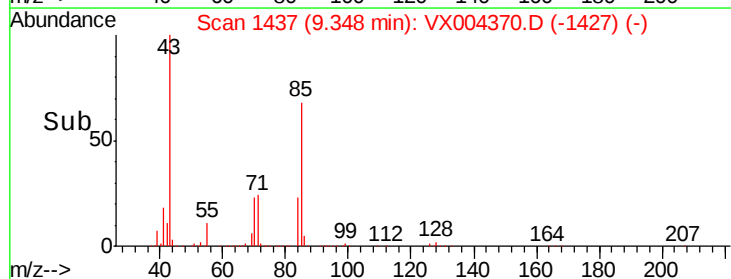
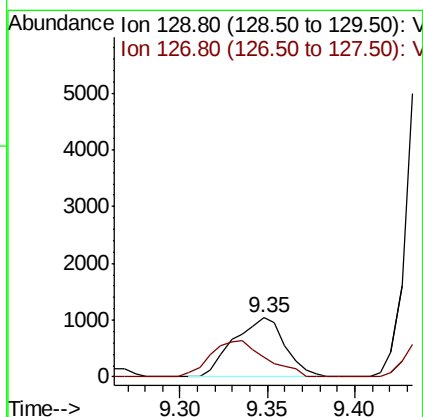
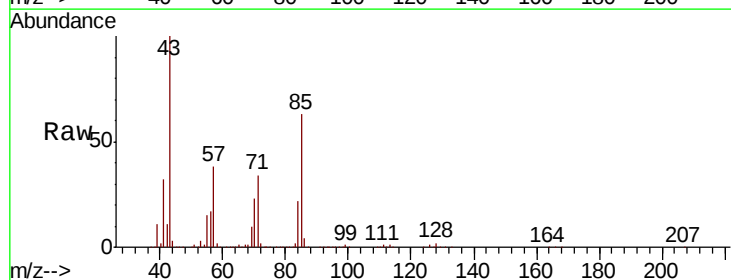
Instrument :
MSVOA_X
ClientSampleId :

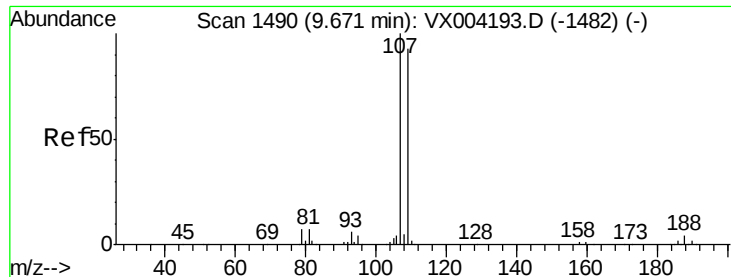
Tot Ion: 43 Resp: 2296910
Ion Ratio Lower Upper
43 100
58 3.3 29.0 87.0#



#60
Dibromochloromethane
Concen: 0.62 ug/l
RT: 9.35 min Scan# 1437
Delta R.T. -0.24 min
Lab File: VX004370.D
Acq: 05 Sep 2018 14:29

Tgt Ion:129 Resp: 2125
Ion Ratio Lower Upper
129 100
127 66.1 38.5 115.5





#61

1,2-Dibromoethane

Concen: 0.55 ug/l

RT: 9.68 min Scan# 1491

Delta R.T. 0.01 min

Lab File: VX004370.D

Acq: 05 Sep 2018 14:29

Instrument :

MSVOA_X

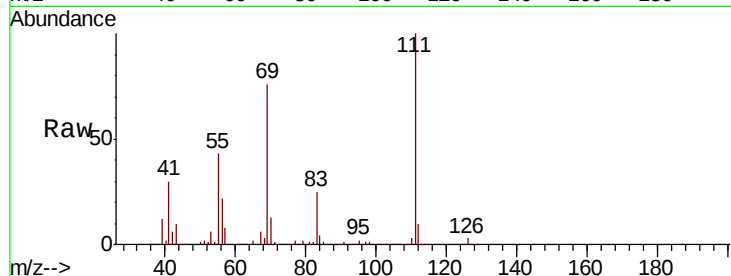
ClientSampled :

Tot Ion:107 Resp: 2019

Ion Ratio Lower Upper

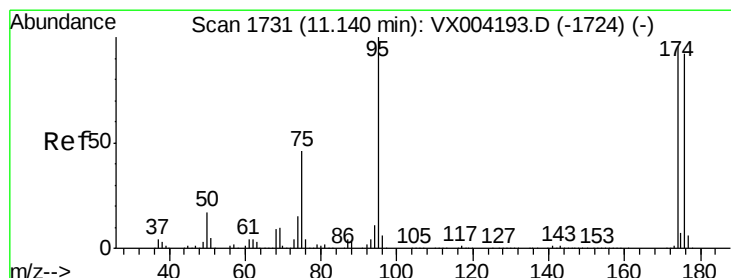
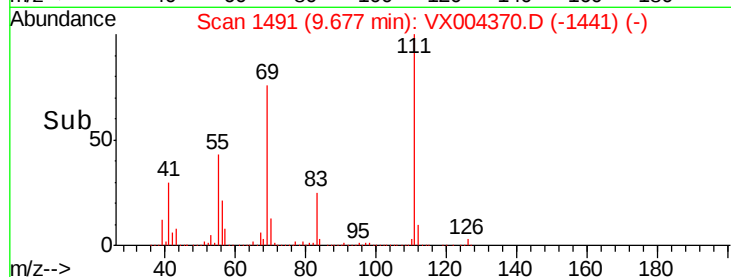
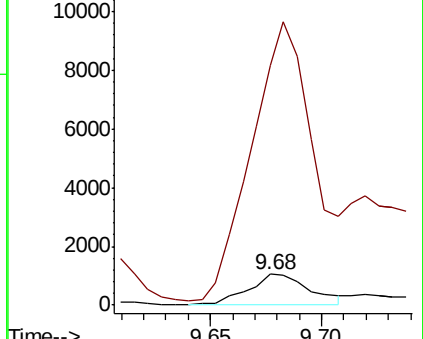
107 100

109 906.8 76.0 114.0#



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 206.08 ug/l

RT: 11.13 min Scan# 1729

Delta R.T. -0.01 min

Lab File: VX004370.D

Acq: 05 Sep 2018 14:29

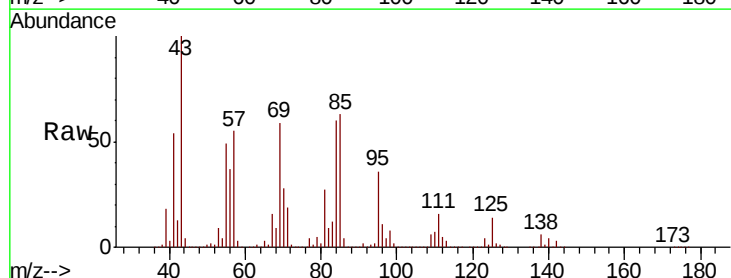
Tgt Ion: 95 Resp: 896886

Ion Ratio Lower Upper

95 100

174 0.0 0.0 185.2

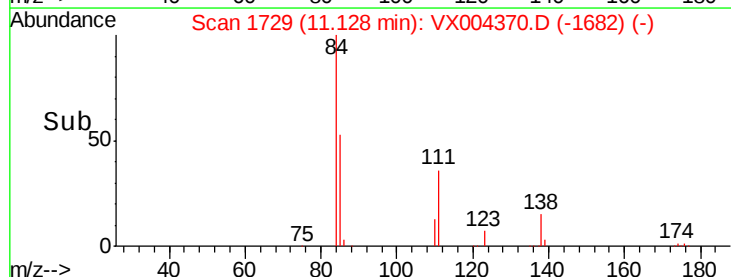
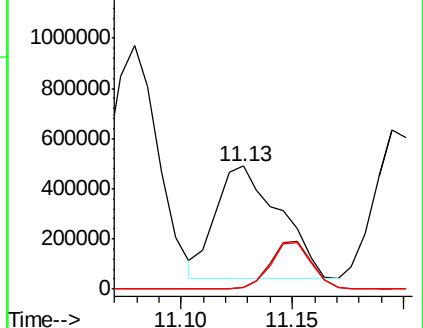
176 0.0 0.0 178.6

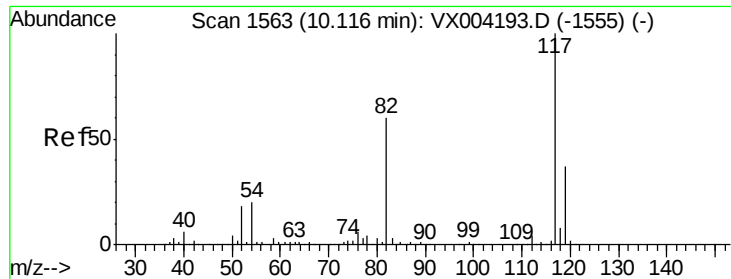


Abundance Ion 94.90 (94.60 to 95.60): VX0

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# 1564

Delta R.T. 0.01 min

Lab File: VX004370.D

Acq: 05 Sep 2018 14:29

Instrument :

MSVOA_X

ClientSampleId :

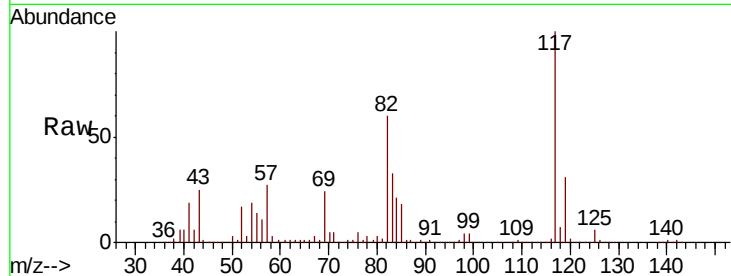
Tot Ion:117 Resp: 429596

Ion Ratio Lower Upper

117 100

82 55.9 47.8 71.6

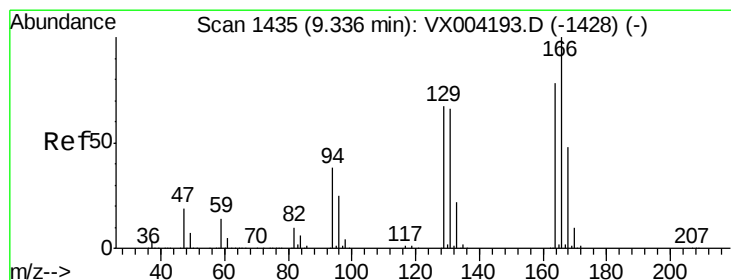
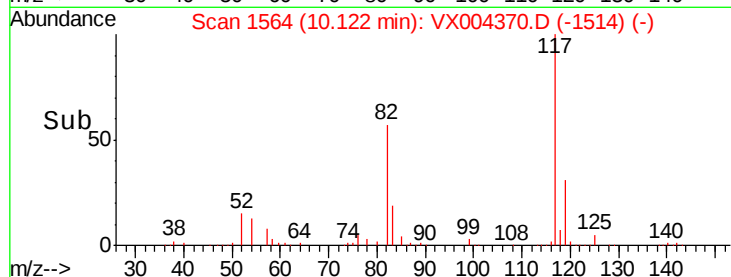
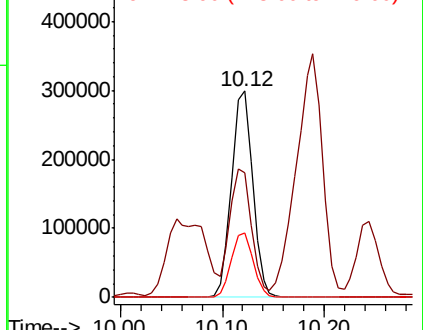
119 31.3 29.3 43.9



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



#64

Tetrachloroethene

Concen: 0.26 ug/l

RT: 9.33 min Scan# 1434

Delta R.T. -0.01 min

Lab File: VX004370.D

Acq: 05 Sep 2018 14:29

Tgt Ion:164 Resp: 1107

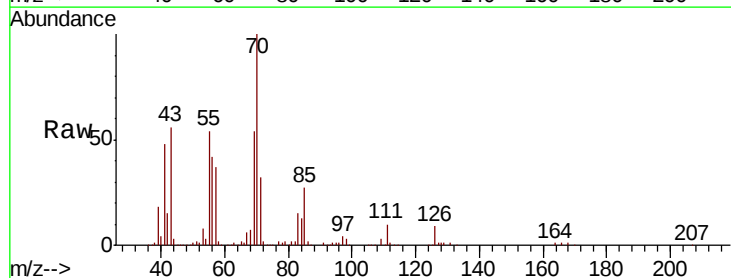
Ion Ratio Lower Upper

164 100

166 115.5 102.8 154.2

129 96.7 69.4 104.0

131 86.2 67.9 101.9

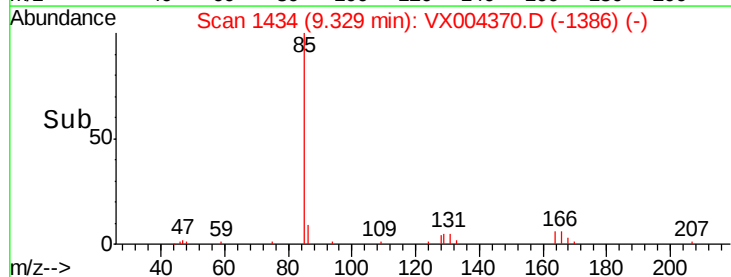
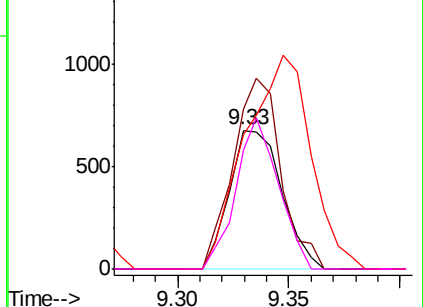


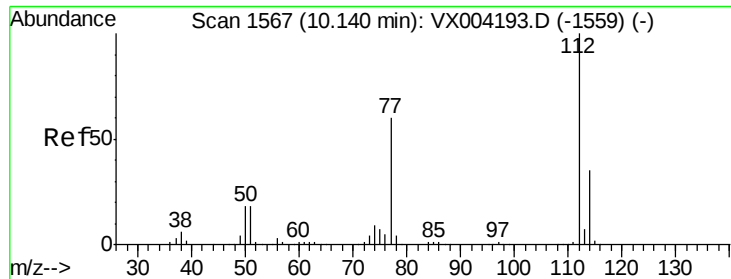
Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V





#65

Chlorobenzene

Concen: 3.25 ug/l

RT: 10.07 min Scan# 1556

Delta R.T. -0.07 min

Lab File: VX004370.D

Acq: 05 Sep 2018 14:29

Instrument :

MSVOA_X

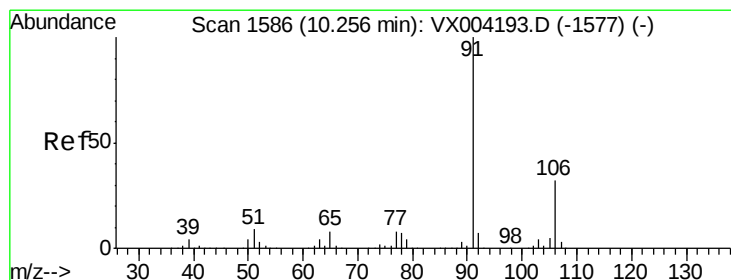
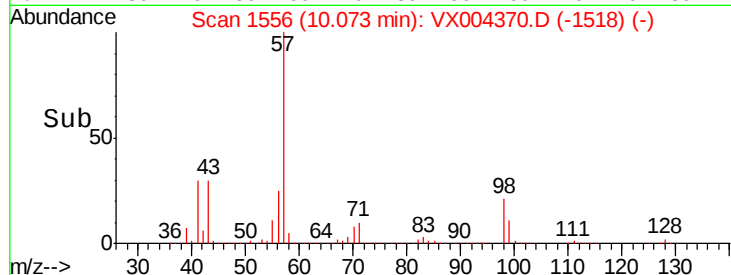
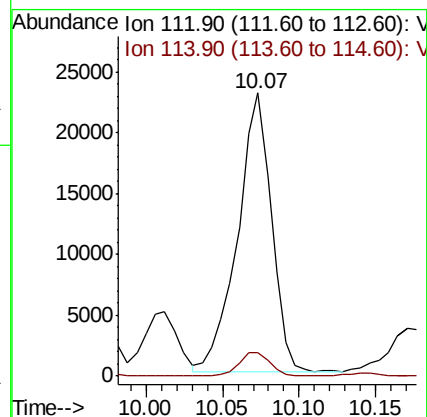
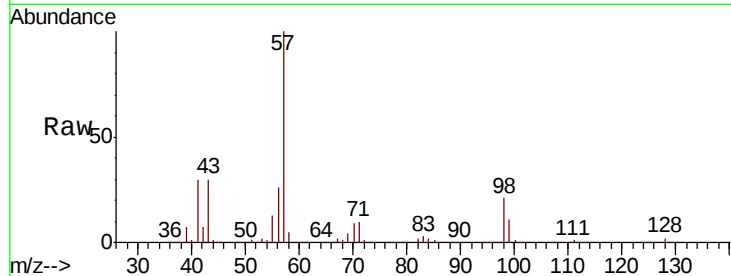
ClientSampled :

Tot Ion:112 Resp: 35077

Ion Ratio Lower Upper

112 100

114 8.6 27.8 41.8#



#67

Ethyl Benzene

Concen: 1.71 ug/l

RT: 10.25 min Scan# 1585

Delta R.T. -0.01 min

Lab File: VX004370.D

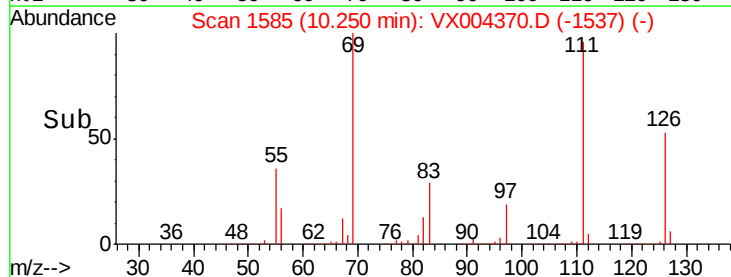
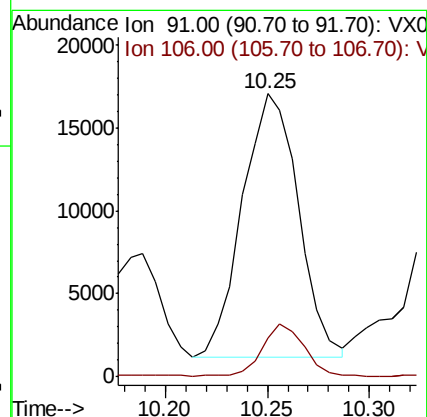
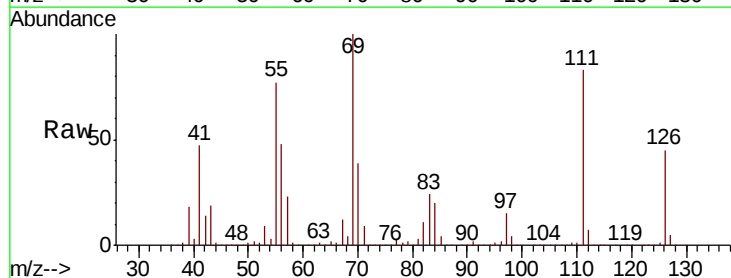
Acq: 05 Sep 2018 14:29

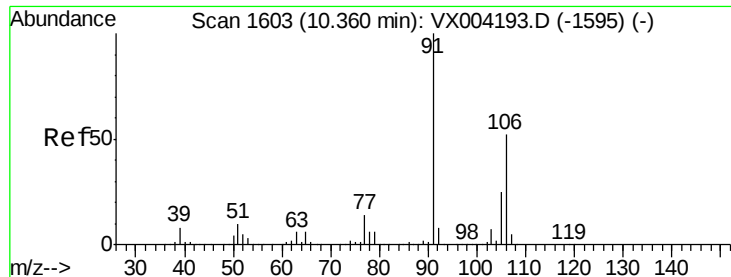
Tgt Ion: 91 Resp: 30000

Ion Ratio Lower Upper

91 100

106 14.6 25.9 38.9#

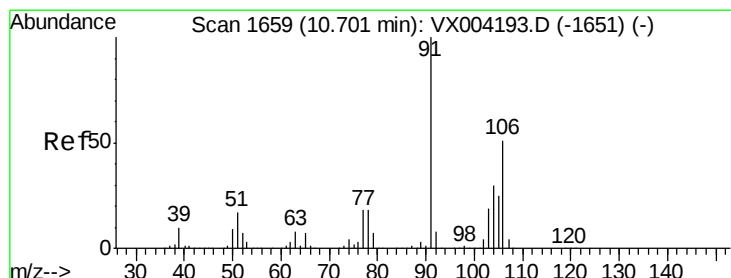
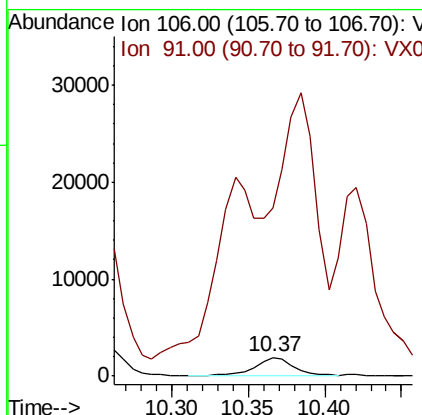
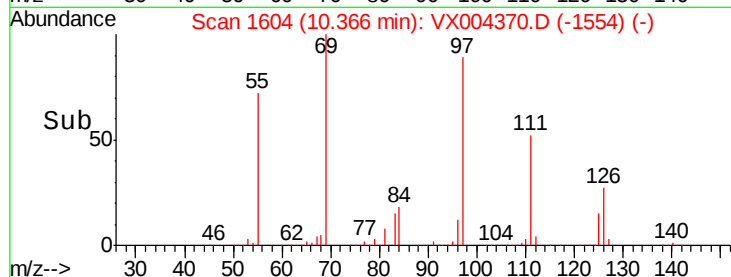
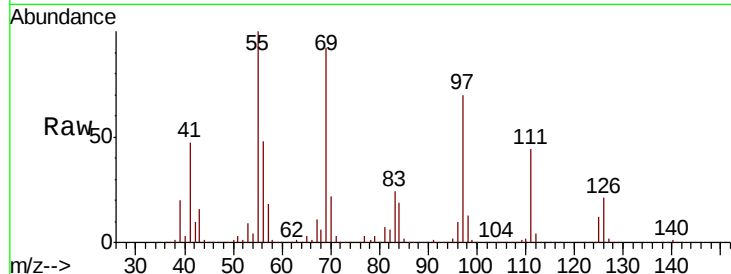




#68
m/p-Xylenes
Concen: 0.53 ug/l
RT: 10.37 min Scan# 1604
Delta R.T. 0.01 min
Lab File: VX004370.D
Acq: 05 Sep 2018 14:29

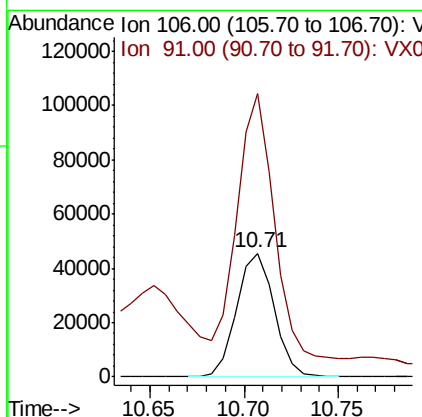
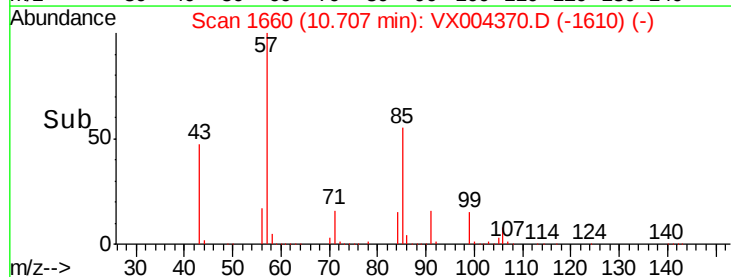
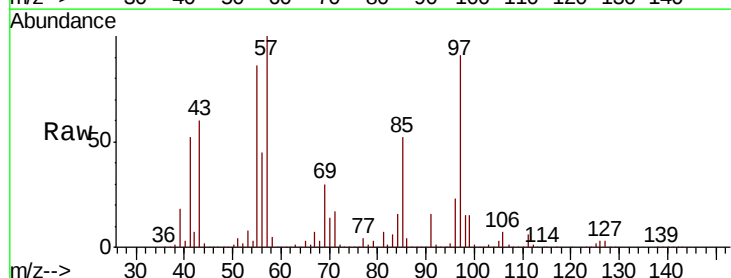
Instrument :
MSVOA_X
ClientSampleId :

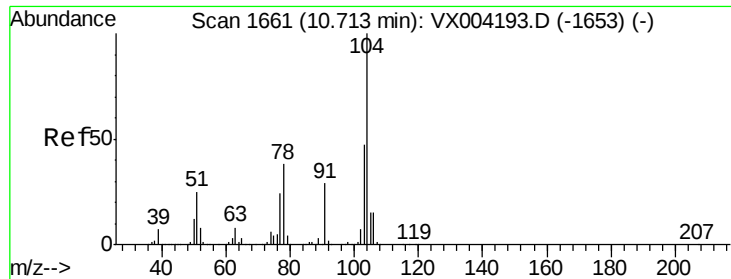
Tot Ion:106 Resp: 3596
Ion Ratio Lower Upper
106 100
91 1399.6 157.1 235.7#



#69
o-Xylene
Concen: 9.62 ug/l
RT: 10.71 min Scan# 1660
Delta R.T. 0.01 min
Lab File: VX004370.D
Acq: 05 Sep 2018 14:29

Tgt Ion:106 Resp: 62330
Ion Ratio Lower Upper
106 100
91 216.2 105.1 315.1

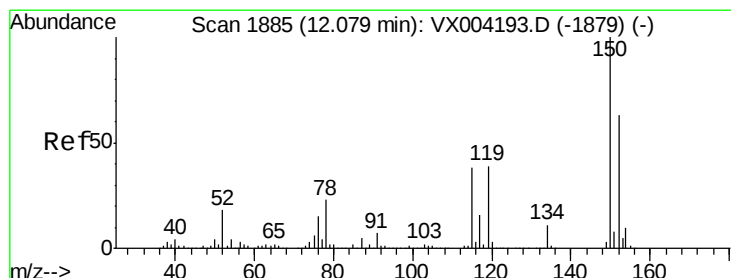
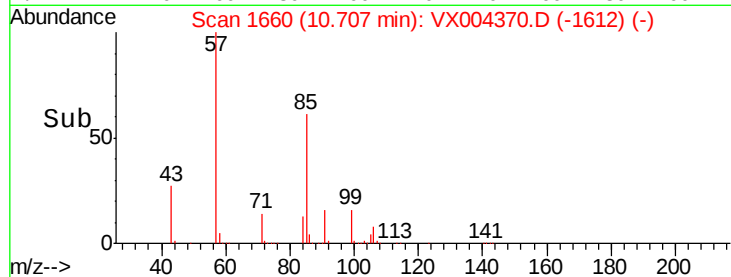
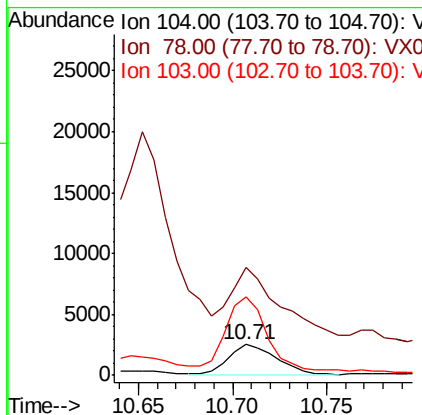
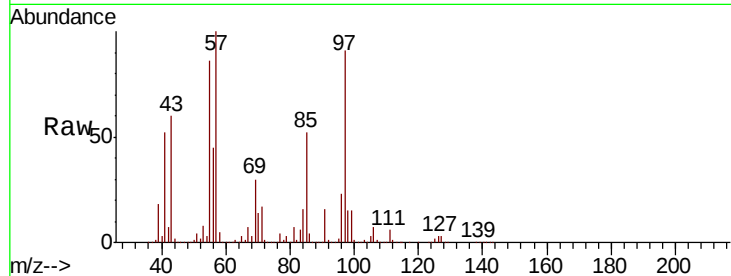




#70
Stvrene
Concen: 0.42 ug/l
RT: 10.71 min Scan# 1660
Delta R.T. -0.01 min
Lab File: VX004370.D
Acq: 05 Sep 2018 14:29

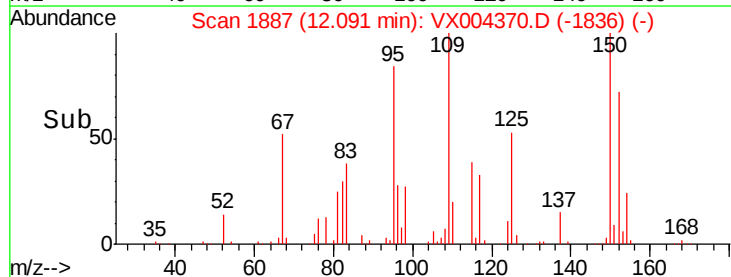
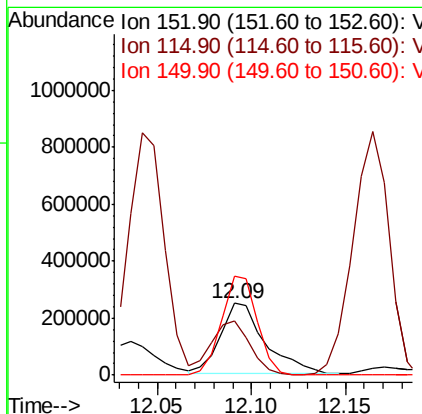
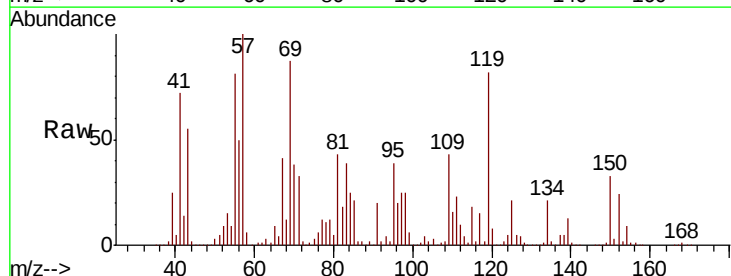
Instrument :
MSVOA_X
ClientSampleId :

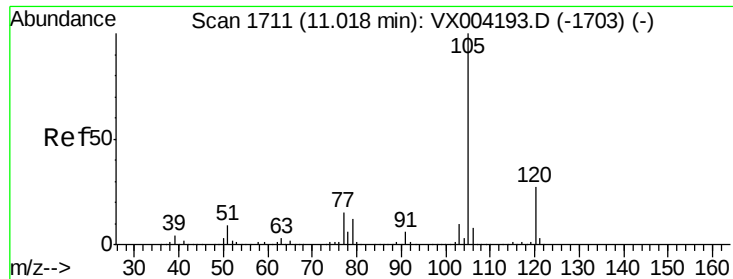
Tot Ion:104 Resp: 4377
Ion Ratio Lower Upper
104 100
78 261.1 37.4 56.0#
103 226.0 43.8 65.6#



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.09 min Scan# 1887
Delta R.T. 0.01 min
Lab File: VX004370.D
Acq: 05 Sep 2018 14:29

Tgt Ion:152 Resp: 407994
Ion Ratio Lower Upper
152 100
115 65.6 39.0 117.0
150 111.2 0.0 351.0

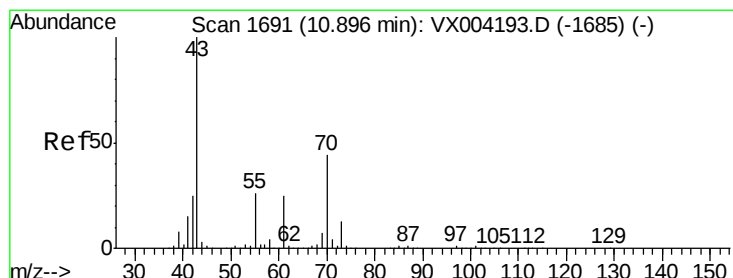
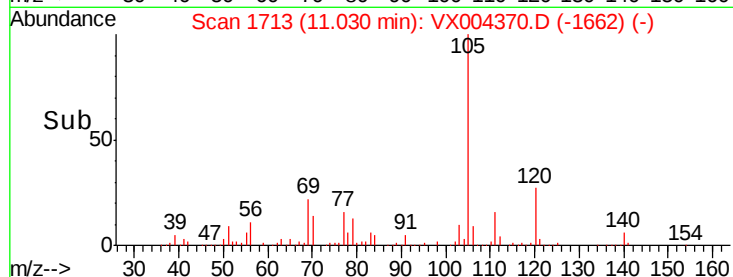
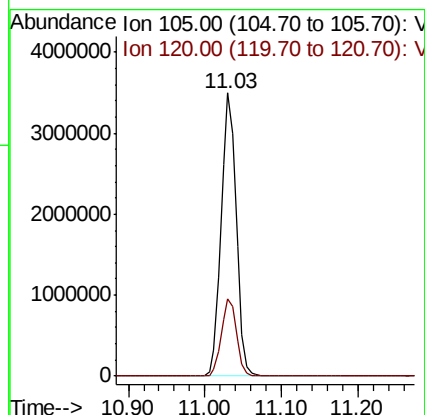
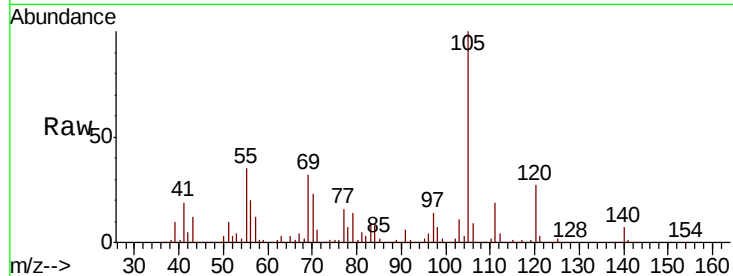




#73
Isopropylbenzene
Concen: 177.86 ug/l
RT: 11.03 min Scan# 1713
Delta R.T. 0.01 min
Lab File: VX004370.D
Acq: 05 Sep 2018 14:29

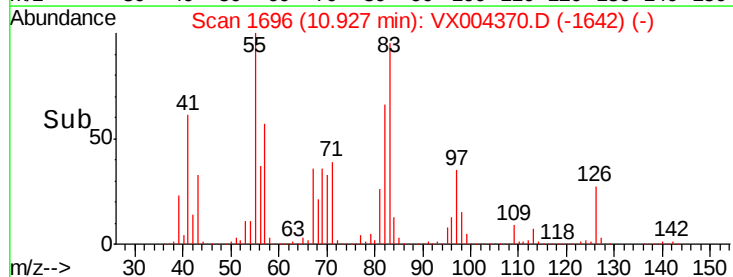
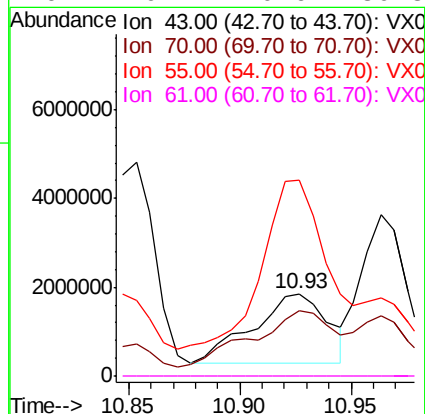
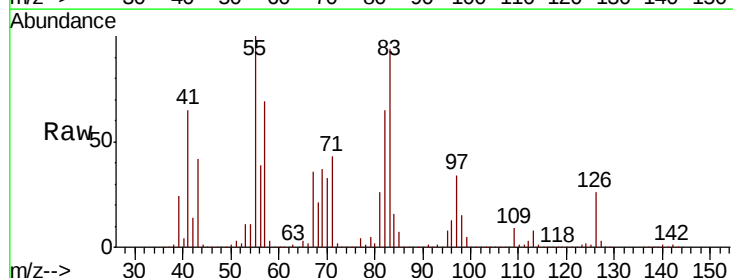
Instrument :
MSVOA_X
ClientSampleId :

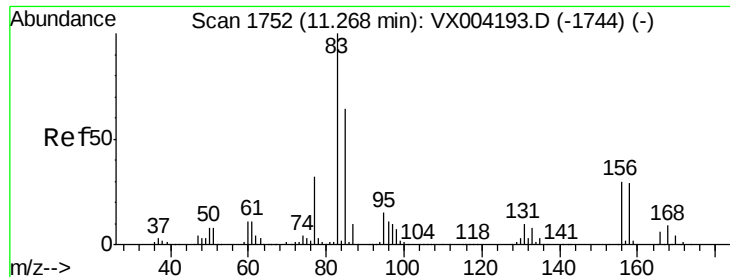
Tot Ion:105 Resp: 4765998
Ion Ratio Lower Upper
105 100
120 27.3 13.5 40.4



#74
N-ethyl acetate
Concen: 349.52 ug/l
RT: 10.93 min Scan# 1696
Delta R.T. 0.03 min
Lab File: VX004370.D
Acq: 05 Sep 2018 14:29

Tgt Ion: 43 Resp: 3606153
Ion Ratio Lower Upper
43 100
70 86.5 37.4 56.0#
55 268.0 21.8 32.8#
61 0.1 20.6 30.8#





#75

1,1,2,2-Tetrachloroethane

Concen: 429.94 ug/l

RT: 11.29 min Scan# 1756

Delta R.T. 0.02 min

Lab File: VX004370.D

Acq: 05 Sep 2018 14:29

Instrument :

MSVOA_X

ClientSampleId :

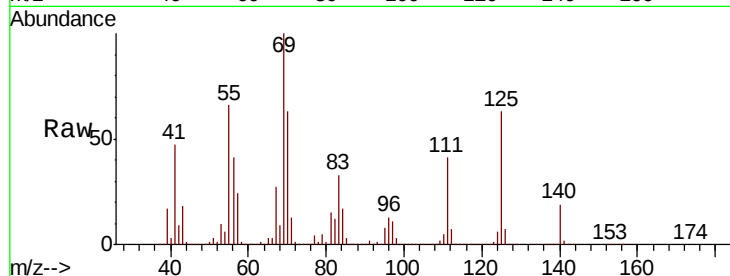
Tot Ion: 83 Resp: 4031747

Ion Ratio Lower Upper

83 100

131 0.0 5.2 15.6#

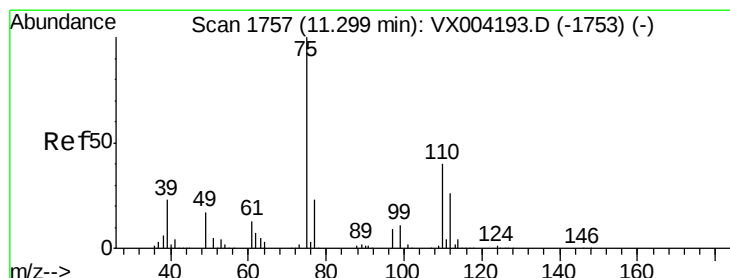
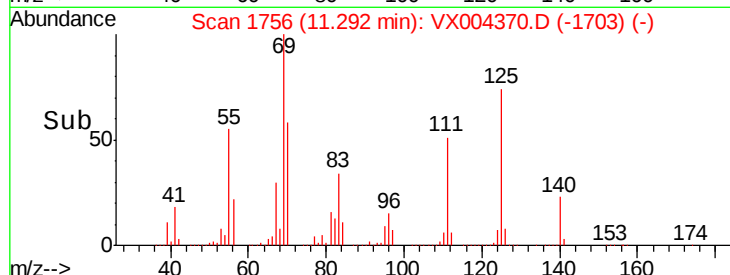
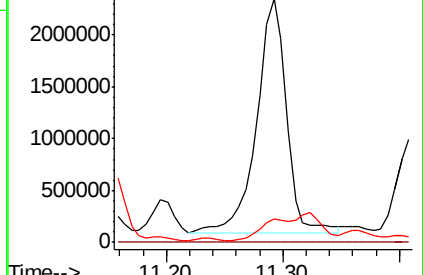
85 0.0 32.3 96.8#



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: 0.91 ug/l

RT: 11.29 min Scan# 1756

Delta R.T. -0.01 min

Lab File: VX004370.D

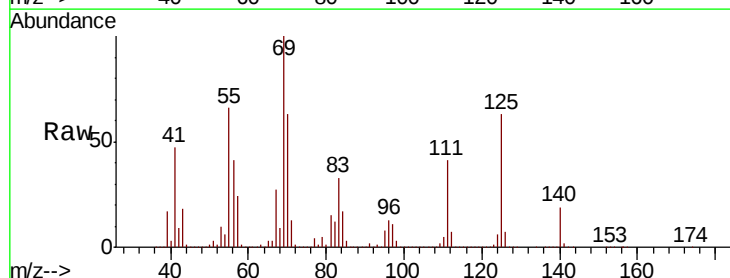
Acq: 05 Sep 2018 14:29

Tgt Ion: 75 Resp: 7540

Ion Ratio Lower Upper

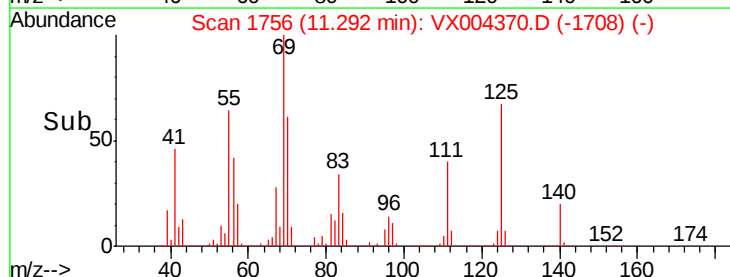
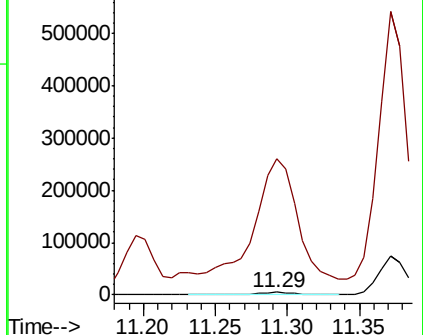
75 100

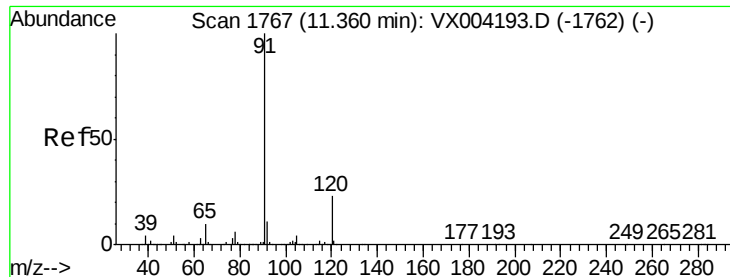
77 6143.5 20.2 60.6#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#78

n-propylbenzene

Concen: 441.87 ug/l

RT: 11.37 min Scan# 1769

Delta R.T. 0.01 min

Lab File: VX004370.D

Acq: 05 Sep 2018 14:29

Instrument :

MSVOA_X

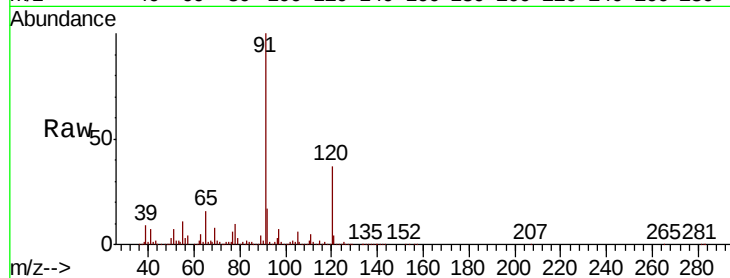
ClientSampled :

Tot Ion: 91 Resp:13618254

Ion Ratio Lower Upper

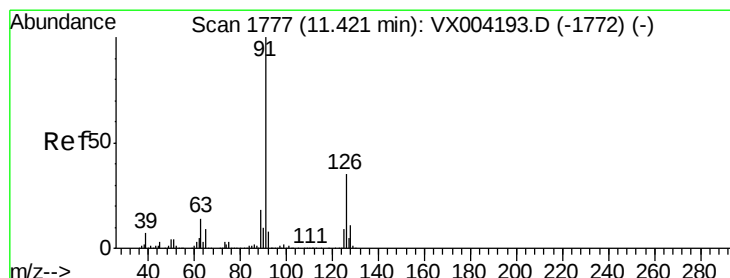
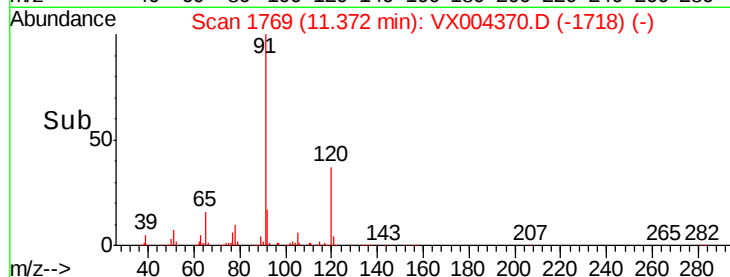
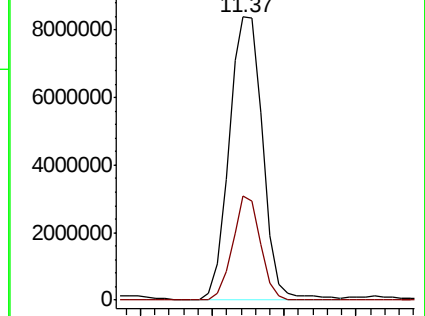
91 100

120 30.7 11.9 35.9



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V



#79

2-Chlorotoluene

Concen: 717.90 ug/l

RT: 11.37 min Scan# 1769

Delta R.T. -0.05 min

Lab File: VX004370.D

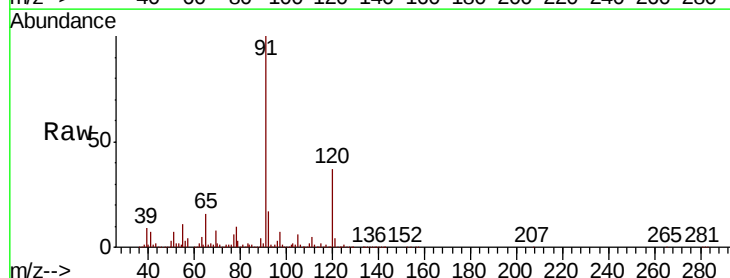
Acq: 05 Sep 2018 14:29

Tgt Ion: 91 Resp:13618254

Ion Ratio Lower Upper

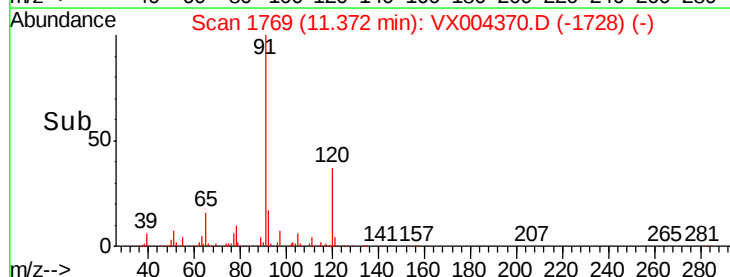
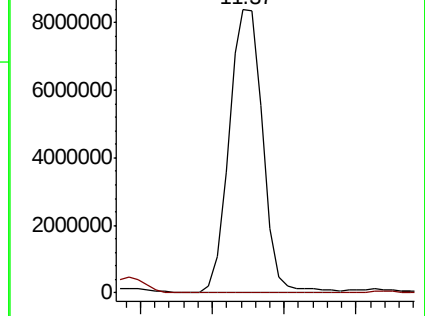
91 100

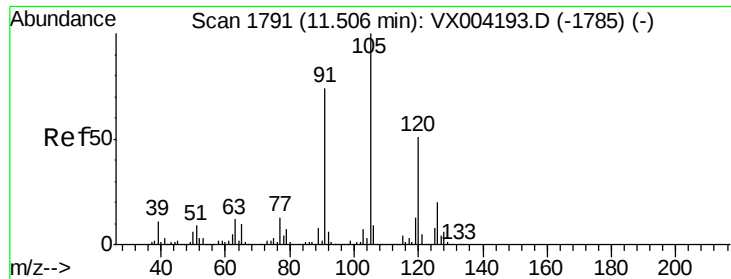
126 0.3 17.9 53.7#



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V

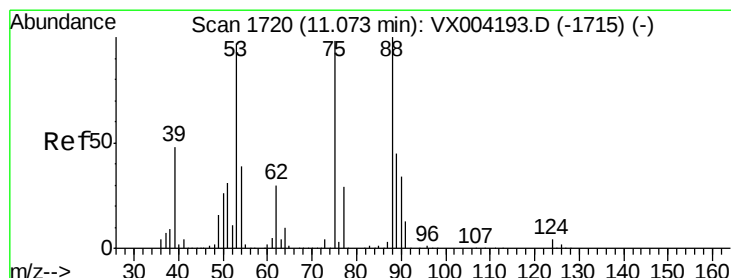
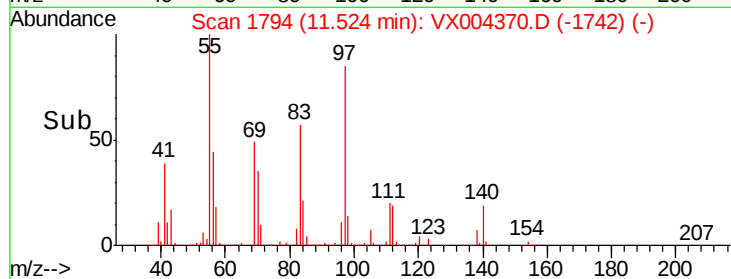
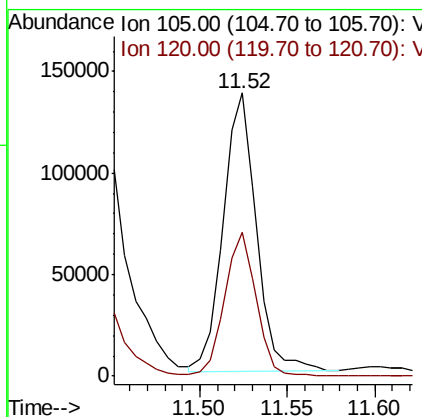
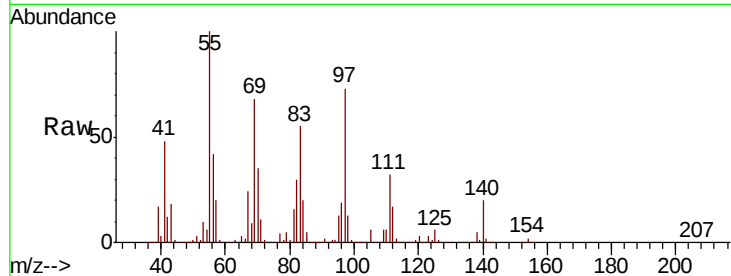




#80
 1,3,5-Trimethylbenzene
 Concen: 8.09 ug/l
 RT: 11.52 min Scan# 1794
 Delta R.T. 0.02 min
 Lab File: VX004370.D
 Acq: 05 Sep 2018 14:29

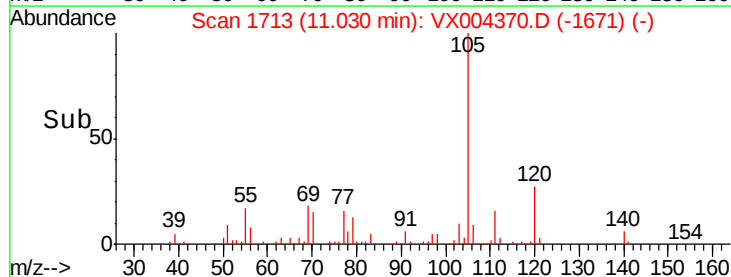
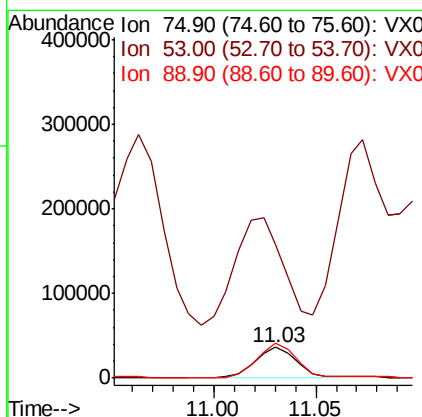
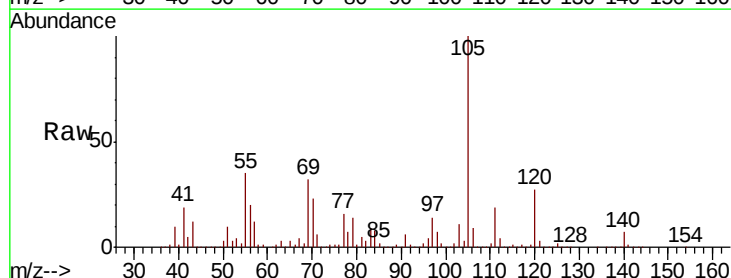
Instrument :
 MSVOA_X
 ClientSampleId :

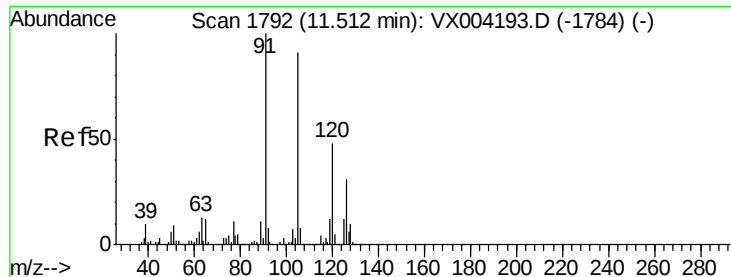
Tot Ion:105 Resp: 179535
 Ion Ratio Lower Upper
 105 100
 120 0.0 25.6 76.8#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 19.35 ug/l
 RT: 11.03 min Scan# 1713
 Delta R.T. -0.04 min
 Lab File: VX004370.D
 Acq: 05 Sep 2018 14:29

Tgt Ion: 75 Resp: 49498
 Ion Ratio Lower Upper
 75 100
 53 468.6 80.1 120.1#
 89 109.6 37.2 55.8#

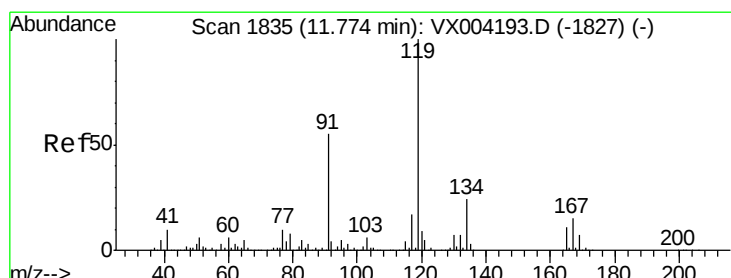
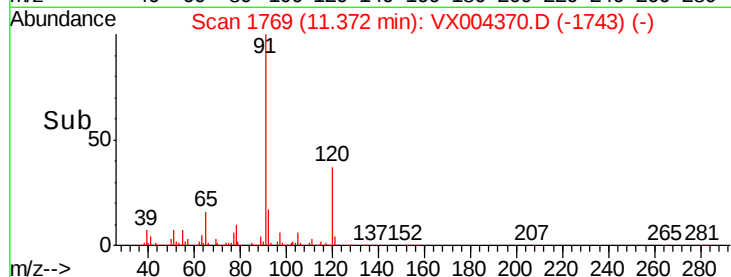
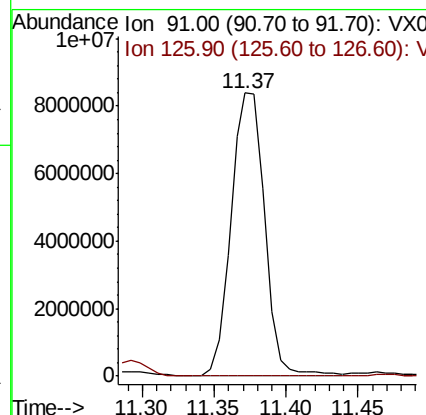
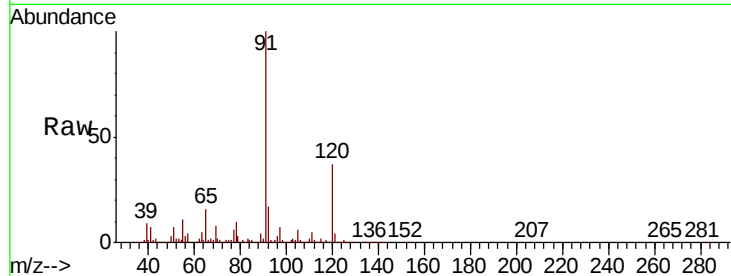




#82
4-Chlorotoluene
Concen: 610.08 ug/l
RT: 11.37 min Scan# 1769
Delta R.T. -0.14 min
Lab File: VX004370.D
Acq: 05 Sep 2018 14:29

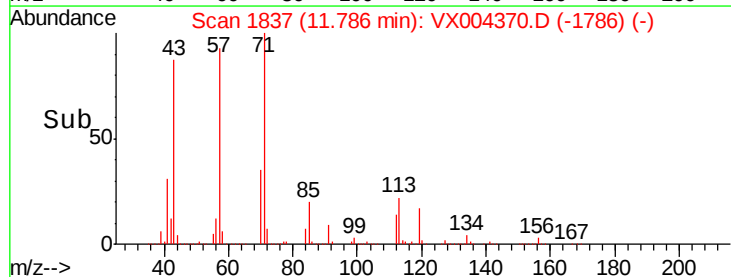
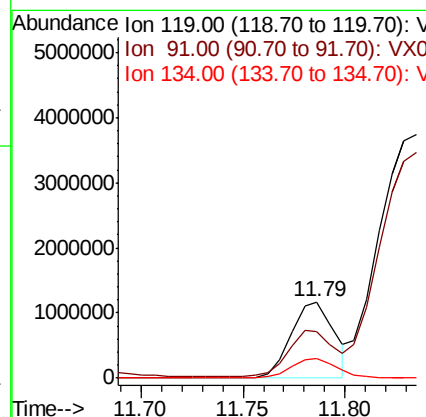
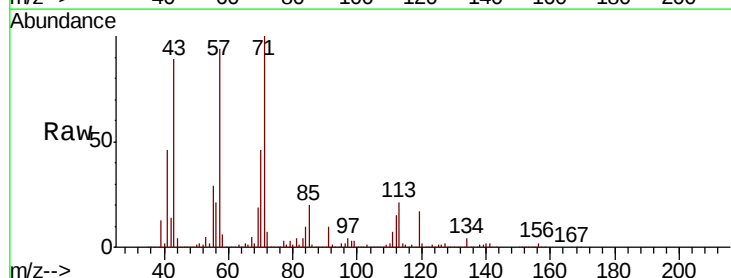
Instrument :
MSVOA_X
ClientSampleId :

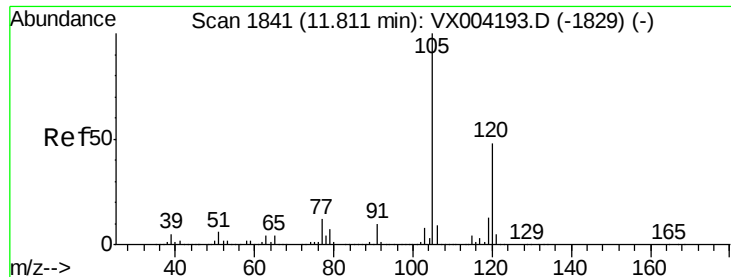
Tot Ion: 91 Resp:13618254
Ion Ratio Lower Upper
91 100
126 0.3 15.5 46.5#



#83
tert-Butylbenzene
Concen: 76.99 ug/l
RT: 11.79 min Scan# 1837
Delta R.T. 0.01 min
Lab File: VX004370.D
Acq: 05 Sep 2018 14:29

Tgt Ion:119 Resp: 1718884
Ion Ratio Lower Upper
119 100
91 65.5 27.0 81.0
134 26.7 11.7 35.1

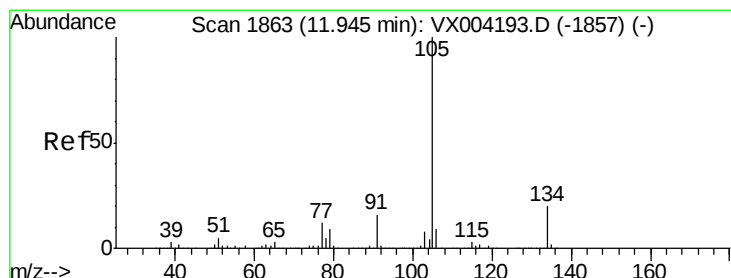
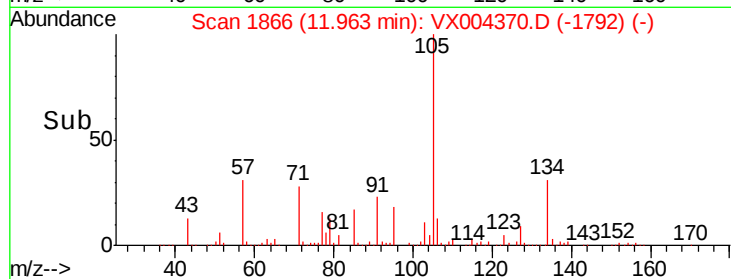
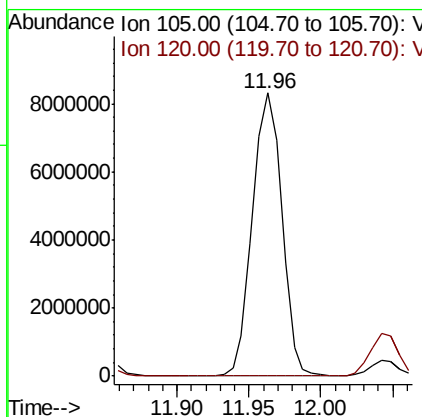
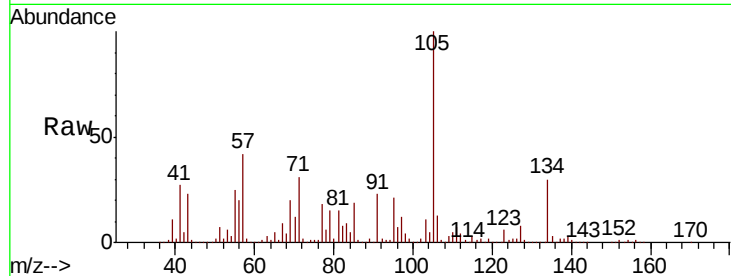




#84
 1,2,4-Trimethylbenzene
 Concen: 514.88 ug/l
 RT: 11.96 min Scan# 1866
 Delta R.T. 0.15 min
 Lab File: VX004370.D
 Acq: 05 Sep 2018 14:29

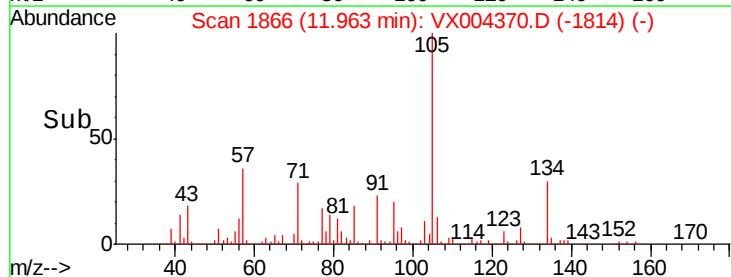
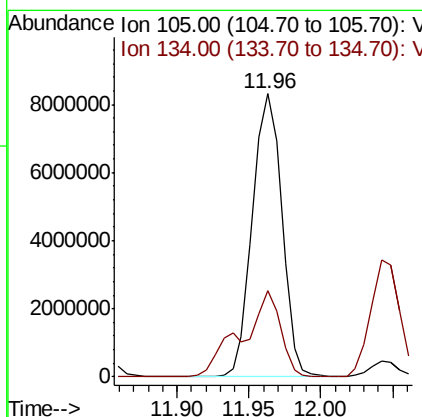
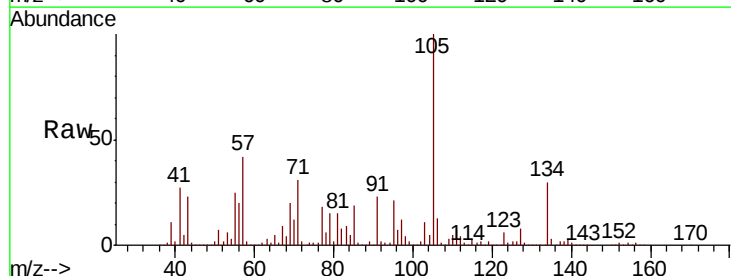
Instrument :
 MSVOA_X
 ClientSampleId :

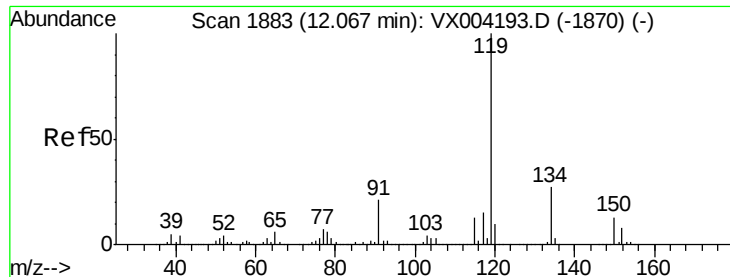
Tot Ion:105 Resp:11728474
 Ion Ratio Lower Upper
 105 100
 120 0.0 23.2 69.6#



#85
 sec-Butylbenzene
 Concen: 442.46 ug/l
 RT: 11.96 min Scan# 1866
 Delta R.T. 0.02 min
 Lab File: VX004370.D
 Acq: 05 Sep 2018 14:29

Tgt Ion:105 Resp:11728474
 Ion Ratio Lower Upper
 105 100
 134 40.2 10.5 31.5#

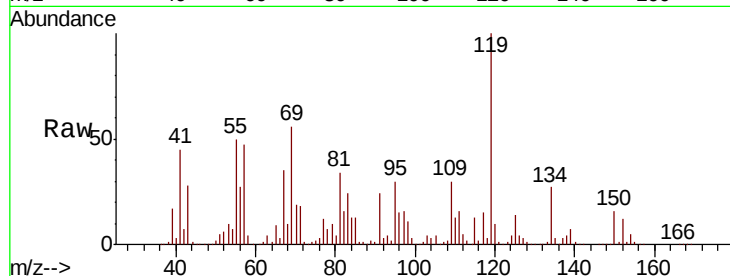




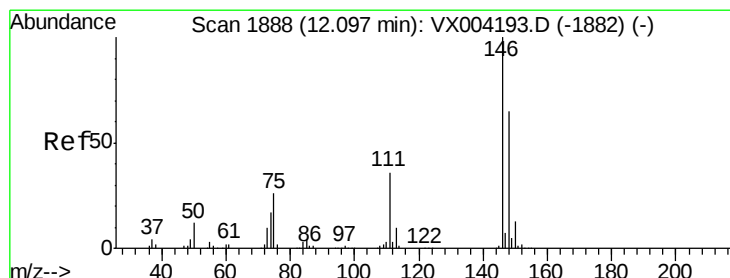
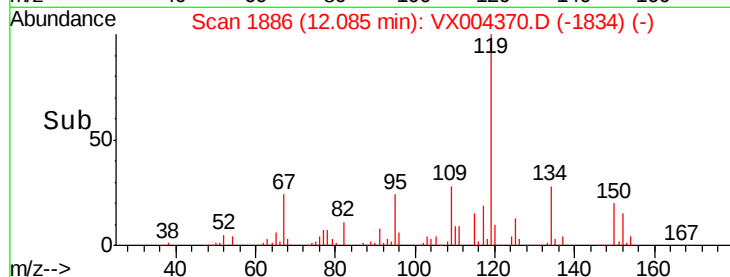
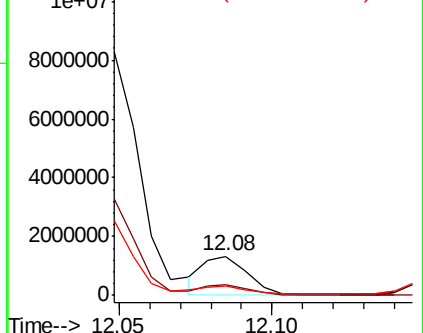
#86
p-Isopropyltoluene
Concen: 57.34 ug/l
RT: 12.08 min Scan# 1886
Delta R.T. 0.02 min
Lab File: VX004370.D
Acq: 05 Sep 2018 14:29

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:119 Resp: 1362125
Ion Ratio Lower Upper
119 100
134 26.7 13.4 40.2
91 24.0 10.9 32.7

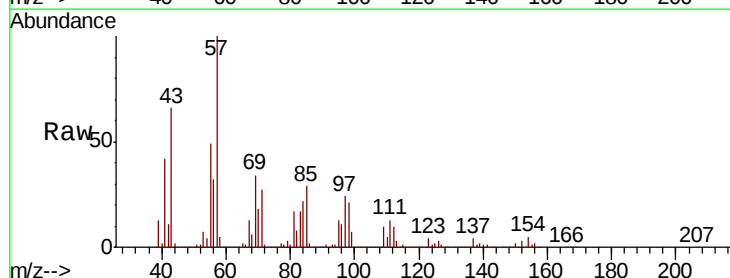


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 134.00 (133.70 to 134.70): V
Ion 91.00 (90.70 to 91.70): V

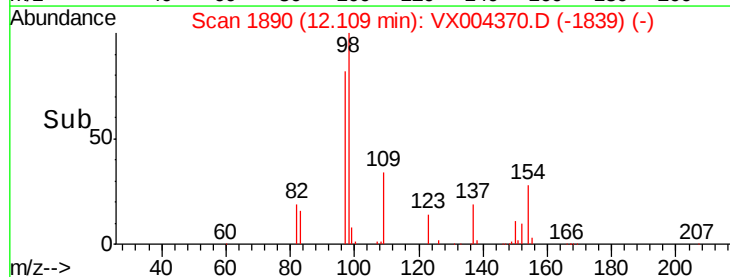
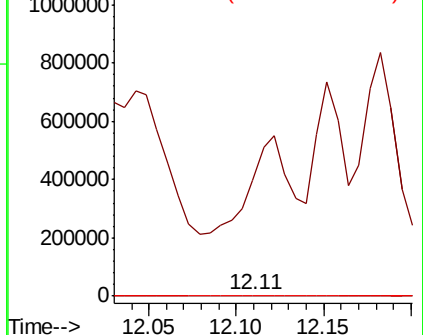


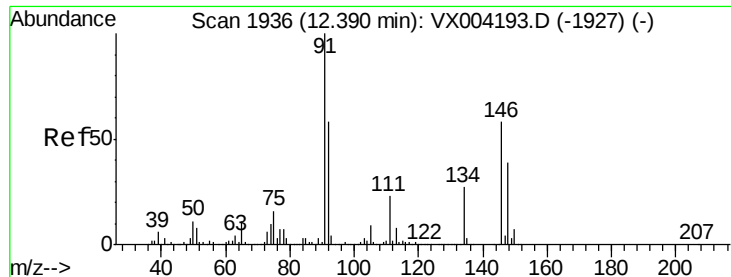
#88
1,4-Dichlorobenzene
Concen: 0.22 ug/l
RT: 12.11 min Scan# 1890
Delta R.T. 0.01 min
Lab File: VX004370.D
Acq: 05 Sep 2018 14:29

Tgt Ion:146 Resp: 3311
Ion Ratio Lower Upper
146 100
111 16071.3 18.1 54.1#
148 99.5 32.0 96.0#



Abundance Ion 145.90 (145.60 to 146.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V

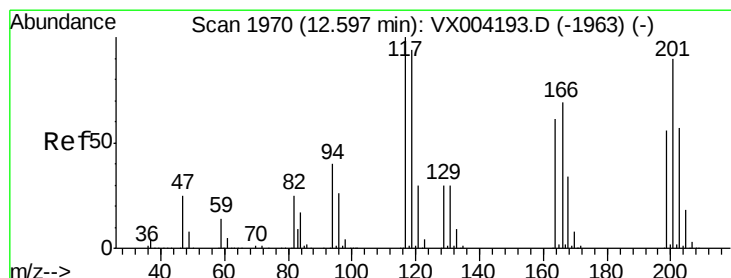
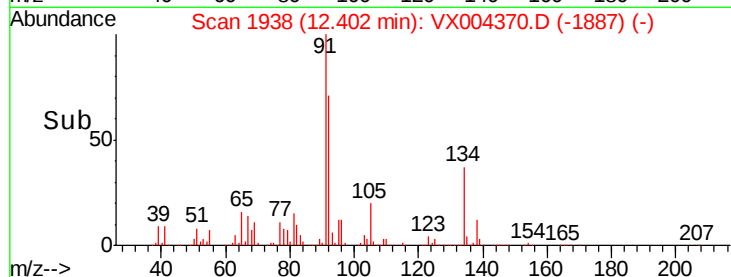
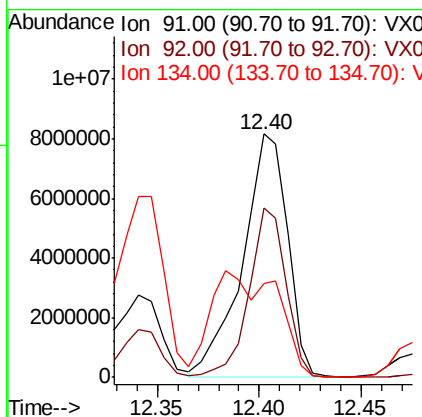
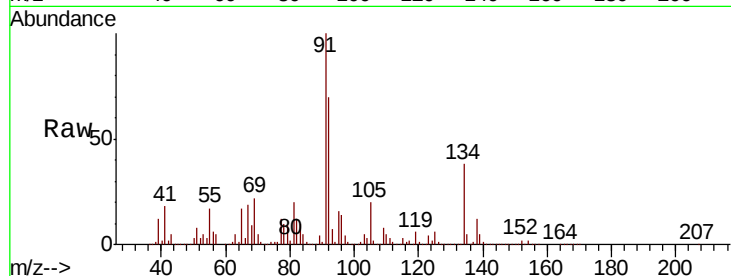




#89
n-Butylbenzene
Concen: 642.85 ug/l
RT: 12.40 min Scan# 1938
Delta R.T. 0.01 min
Lab File: VX004370.D
Acq: 05 Sep 2018 14:29

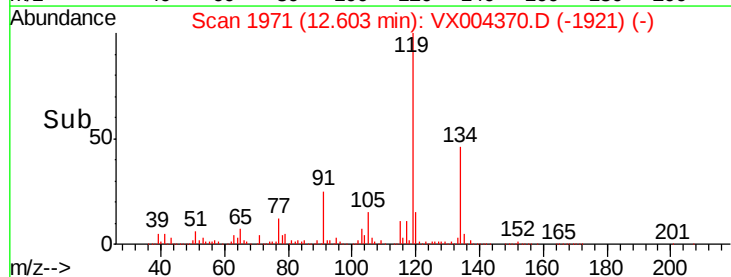
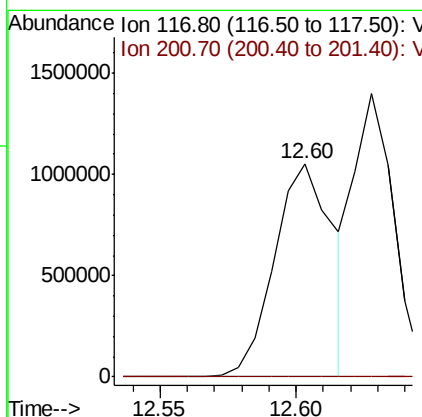
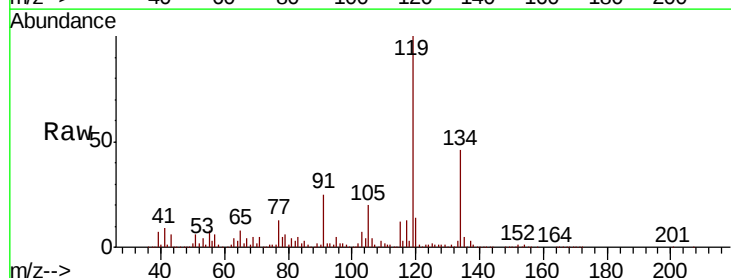
Instrument :
MSVOA_X
ClientSampled :

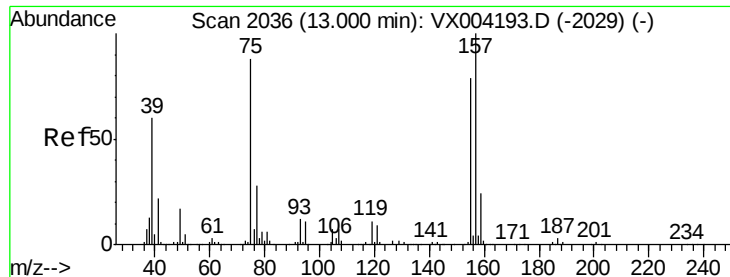
Tot Ion: 91 Resp: 12417985
Ion Ratio Lower Upper
91 100
92 57.8 27.3 81.9
134 64.8 13.6 40.7#



#90
Hexachloroethane
Concen: 472.03 ug/l
RT: 12.60 min Scan# 1971
Delta R.T. 0.01 min
Lab File: VX004370.D
Acq: 05 Sep 2018 14:29

Tgt Ion: 117 Resp: 1567292
Ion Ratio Lower Upper
117 100
201 0.0 46.9 140.6#





#92

1,2-Dibromo-3-Chloropropane

Concen: 49.61 ug/l

RT: 12.99 min Scan# 2034

Delta R.T. -0.01 min

Lab File: VX004370.D

Acq: 05 Sep 2018 14:29

Instrument :

MSVOA_X

ClientSampleId :

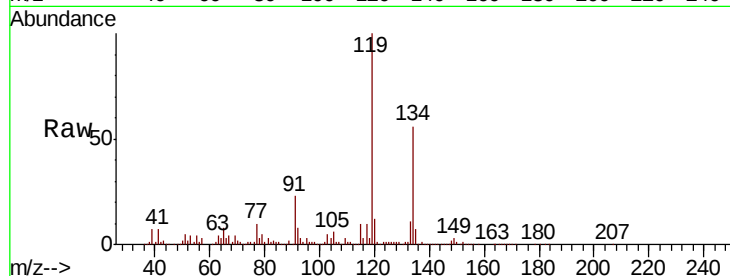
Tot Ion: 75 Resp: 81936

Ion Ratio Lower Upper

75 100

155 0.0 48.0 144.2#

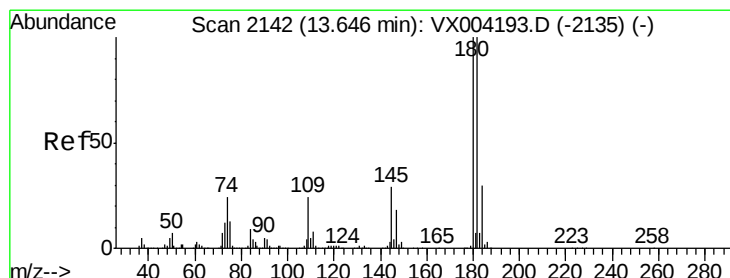
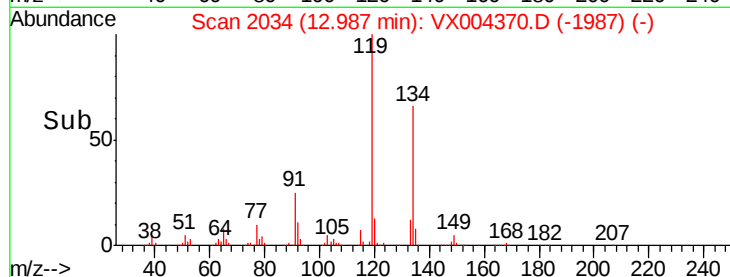
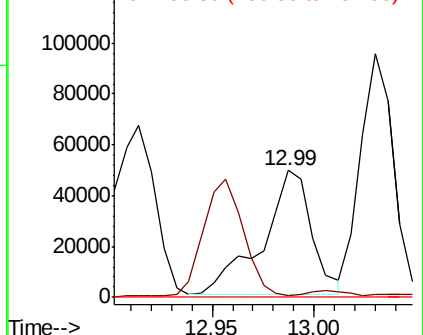
157 0.0 61.4 184.1#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V



#93

1,2,4-Trichlorobenzene

Concen: 0.41 ug/l

RT: 13.65 min Scan# 2143

Delta R.T. 0.01 min

Lab File: VX004370.D

Acq: 05 Sep 2018 14:29

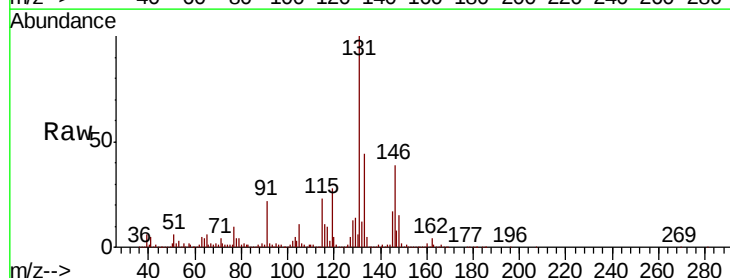
Tgt Ion:180 Resp: 3840

Ion Ratio Lower Upper

180 100

182 154.2 48.4 145.0#

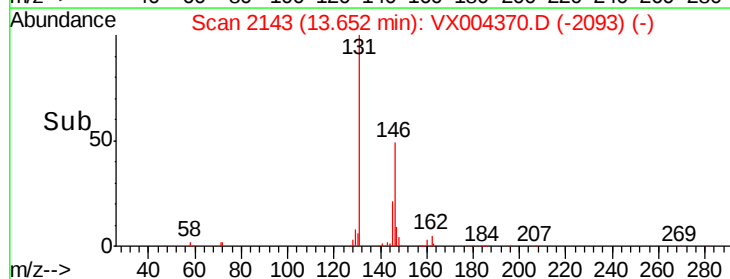
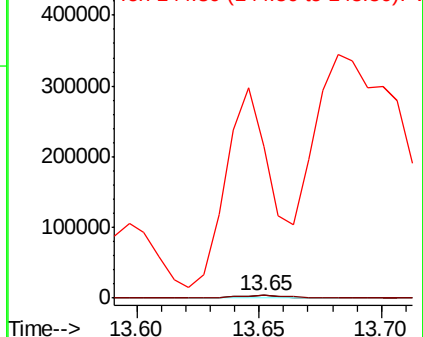
145 10503.0 14.3 42.9#

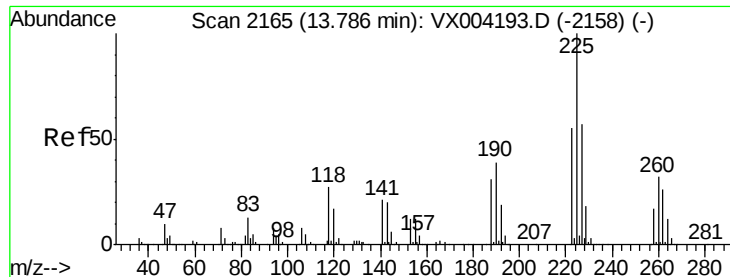


Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V





#94

Hexachlorobutadiene

Concen: 0.38 ug/l

RT: 13.79 min Scan# 2165

Delta R.T. -0.00 min

Lab File: VX004370.D

Acq: 05 Sep 2018 14:29

Instrument :

MSVOA_X

ClientSampled :

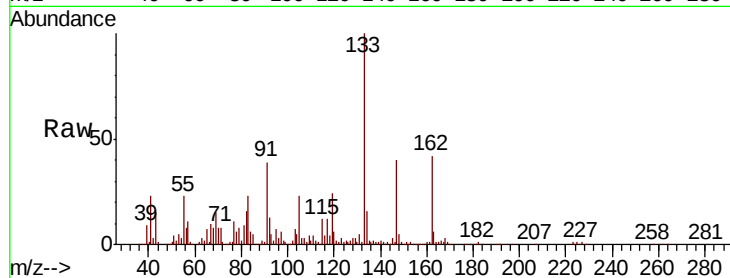
Tot Ion:225 Resp: 2247

Ion Ratio Lower Upper

225 100

223 57.8 30.1 90.5

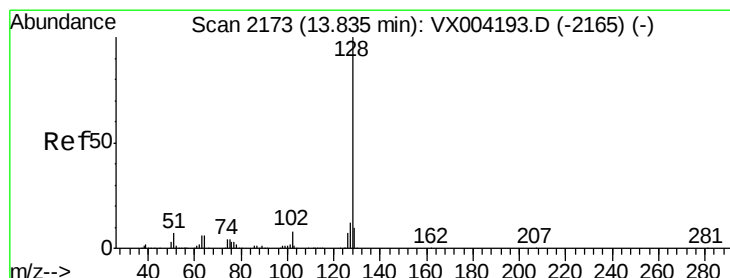
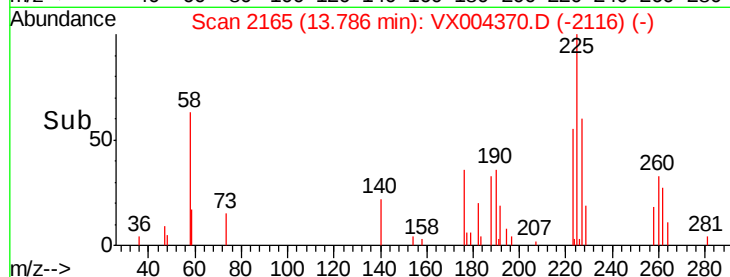
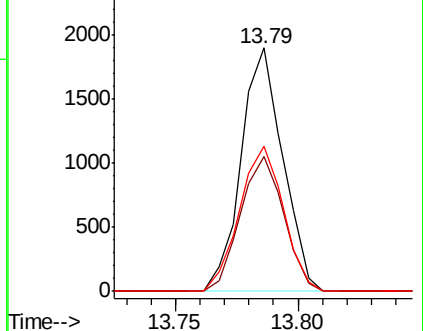
227 62.4 30.8 92.4



Abundance Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V



#95

Naphthalene

Concen: 1.20 ug/l

RT: 13.85 min Scan# 2176

Delta R.T. 0.02 min

Lab File: VX004370.D

Acq: 05 Sep 2018 14:29

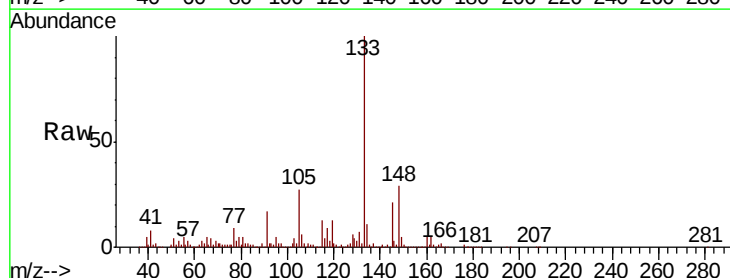
Tgt Ion:128 Resp: 31811

Ion Ratio Lower Upper

128 100

127 31.6 10.2 15.2#

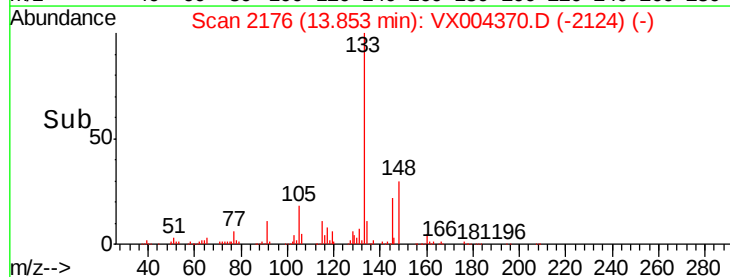
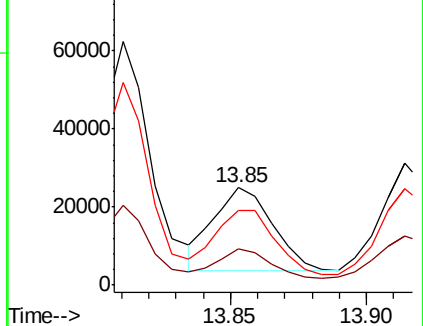
129 78.3 8.6 12.8#

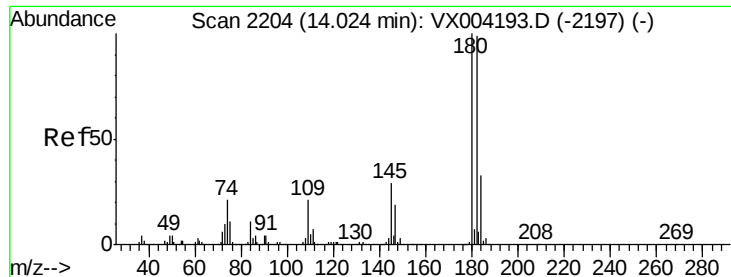


Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

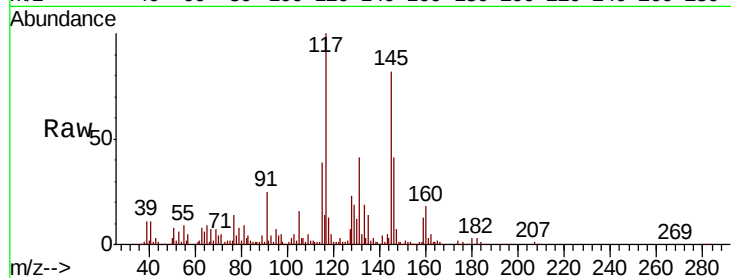




#96
 1,2,3-Trichlorobenzene
 Concen: 0.30 ug/l
 RT: 14.02 min Scan# 2204
 Delta R.T. -0.00 min
 Lab File: VX004370.D
 Acq: 05 Sep 2018 14:29

Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion:180 Resp: 2967
 Ion Ratio Lower Upper
 180 100
 182 81.0 48.5 145.6
 145 4323.7 14.9 44.9#



Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.90 (144.60 to 145.60): V

