

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX041319\
 Data File : VX008930.D
 Acq On : 13 Apr 2019 14:35
 Operator : JC/SP
 Sample : K2381-02DL 5X
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Apr 14 04:13:07 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X040319W.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 04 04:47:41 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	176946	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	282103	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	230862	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	105098	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.06	65	114615	44.41	ug/l	0.00
Spiked Amount			Recovery	=	88.82%	
35) Dibromofluoromethane	5.49	113	83275	46.17	ug/l	0.00
Spiked Amount			Recovery	=	92.34%	
50) Toluene-d8	8.71	98	345275	48.08	ug/l	0.00
Spiked Amount			Recovery	=	96.16%	
62) 4-Bromofluorobenzene	11.13	95	111955	43.96	ug/l	0.00
Spiked Amount			Recovery	=	87.92%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	401	Below Cal	#	74
5) Bromomethane	1.64	94	829	2.473	ug/l #	74
6) Chloroethane	1.80	64	118	Below Cal	#	43
10) Methyl Iodide	2.50	142	206	4.109	ug/l #	42
11) Tert butyl alcohol	3.02	59	768	1.271	ug/l #	72
13) Acrolein	2.31	56	1978	6.602	ug/l #	55
14) Allyl chloride	2.75	41	1314	0.281	ug/l #	29
16) Acetone	2.46	43	284073	191.102	ug/l	100
17) Carbon Disulfide	2.55	76	1466	Below Cal		96
18) Methyl Acetate	2.78	43	139573	38.714	ug/l	100
20) Methylene Chloride	2.85	84	1299	0.522	ug/l	86
23) Vinyl Acetate	3.92	43	12410	1.580	ug/l #	76
25) 2-Butanone	4.69	43	33694	14.341	ug/l	97
28) Bromochloromethane	4.93	49	19	Below Cal	#	22
29) Tetrahydrofuran	5.15	42	585	0.375	ug/l	94
36) 1,1-Dichloropropene	5.66	75	13682	4.437	ug/l #	50
37) Ethyl Acetate	4.84	43	150531	36.572	ug/l	98
38) Carbon Tetrachloride	5.66	117	16263	6.372	ug/l #	17
41) Methacrylonitrile	5.01	41	811	0.343	ug/l #	35
49) 1,4-Dioxane	7.76	88	560	9.165	ug/l #	1
51) 4-Methyl-2-Pentanone	8.62	43	107921	26.001	ug/l #	38
52) Toluene	8.79	92	2574	0.475	ug/l	94
59) 2-Hexanone	9.50	43	1253	0.388	ug/l	84
60) Dibromochloromethane	9.34	129	5756	2.810	ug/l #	11
64) Tetrachloroethene	9.34	164	6457	3.775	ug/l	95
68) m/p-Xylenes	10.36	106	1377	0.401	ug/l	93
69) o-Xylene	10.70	106	893	0.269	ug/l	90
74) N-amyl acetate	10.91	43	2226	0.434	ug/l #	1
75) 1,1,2,2-Tetrachloroethane	11.27	83	1203	0.363	ug/l #	25
76) 1,2,3-Trichloropropane	11.13	75	56563	19.591	ug/l #	34
78) n-propylbenzene	11.36	91	3358	0.331	ug/l	98
80) 1,3,5-Trimethylbenzene	11.51	105	7356	1.006	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.13	75	56563	54.004	ug/l #	10
84) 1,2,4-Trimethylbenzene	11.80	105	29081	3.928	ug/l	99

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QLast Update : Thu Apr 04 04:47:41 2019
Response via : Initial Calibration

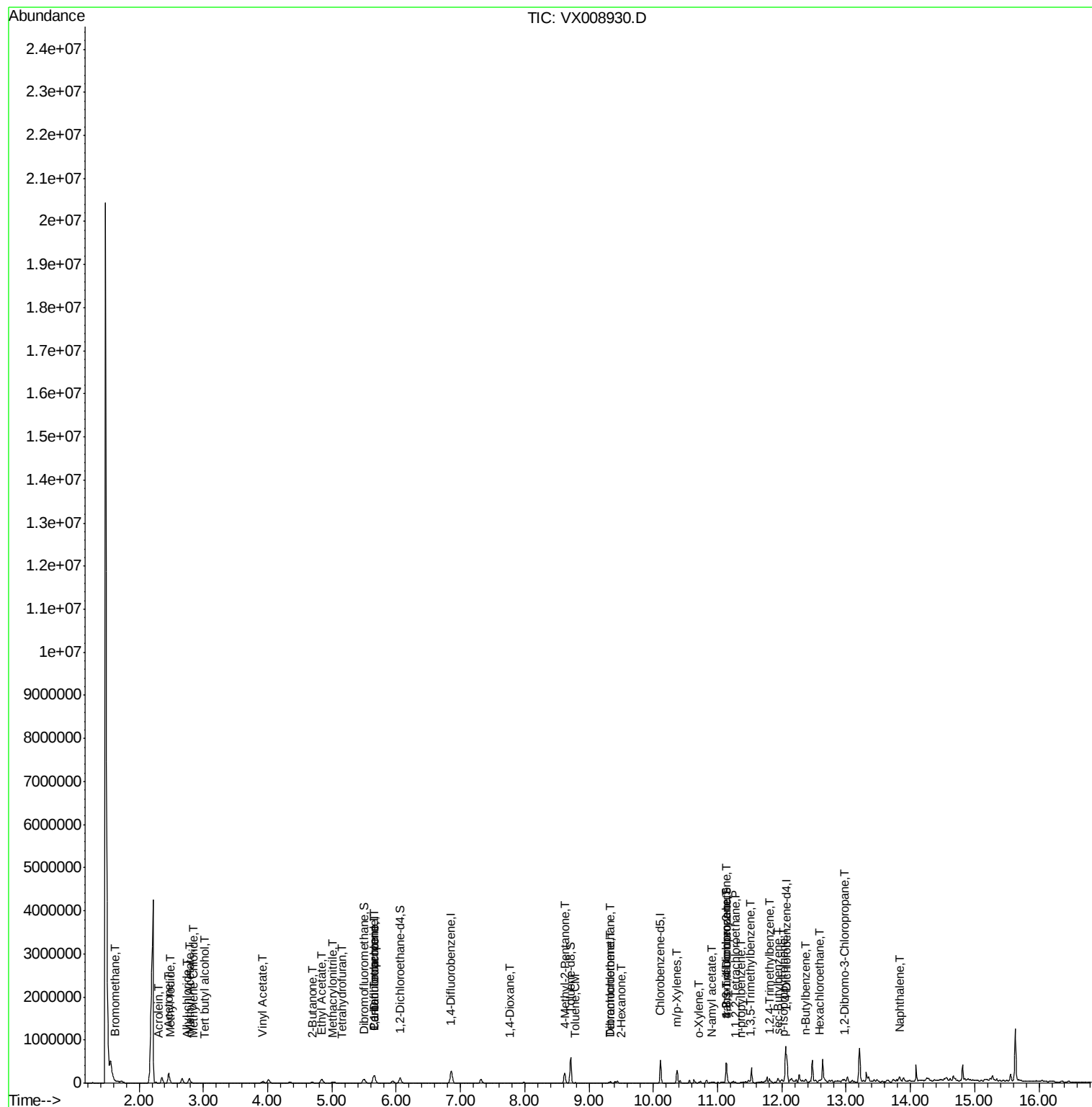
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
85) sec-Butylbenzene	11.94	105	2543	0.304	ug/l	99
86) p-Isopropyltoluene	12.02	119	4105	0.547	ug/l	95
89) n-Butylbenzene	12.38	91	7139	1.015	ug/l #	47
90) Hexachloroethane	12.58	117	1688	1.357	ug/l #	9
92) 1,2-Dibromo-3-Chloropropan	12.98	75	196	0.269	ug/l #	24
95) Naphthalene	13.83	128	53538	6.190	ug/l	97

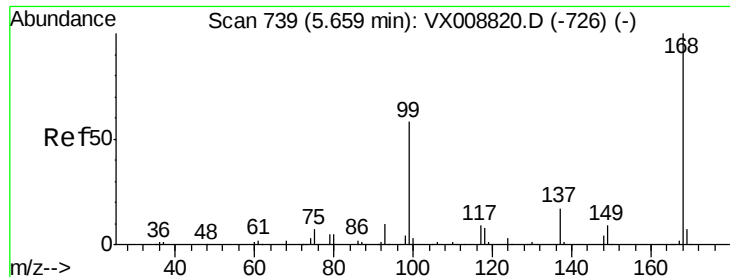
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.00 min

Lab File: VX008930.D

Acq: 13 Apr 2019 14:35

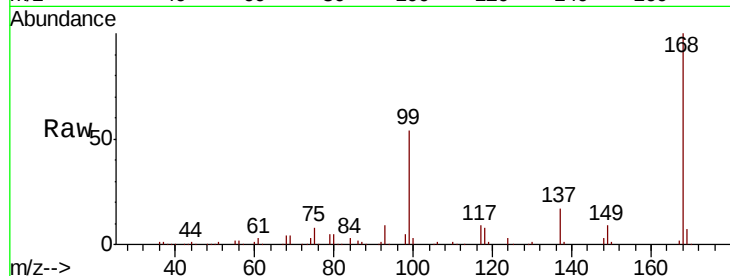
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:168 Resp: 176946

Ion Ratio Lower Upper

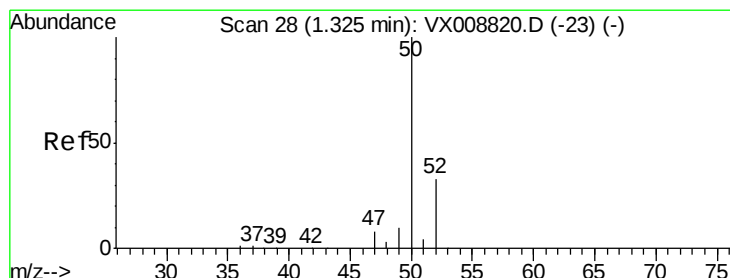
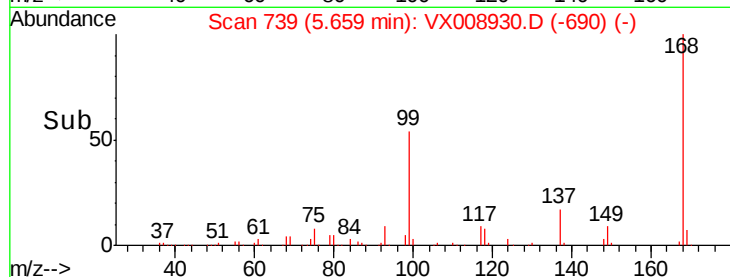
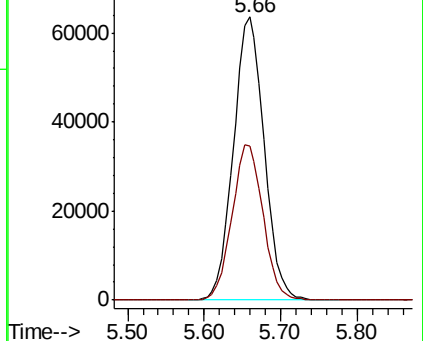
168 100

99 54.4 46.7 70.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#3

Chloromethane

Concen: Below Cal

RT: 1.32 min Scan# 28

Delta R.T. 0.00 min

Lab File: VX008930.D

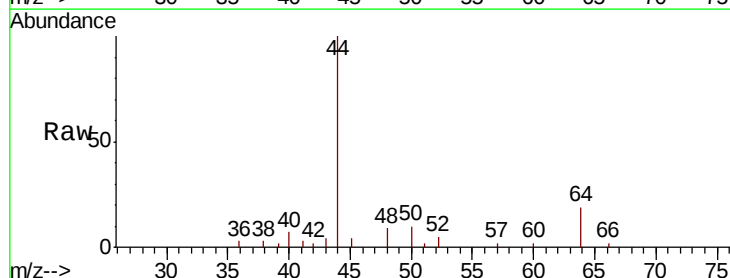
Acq: 13 Apr 2019 14:35

Tgt Ion: 50 Resp: 401

Ion Ratio Lower Upper

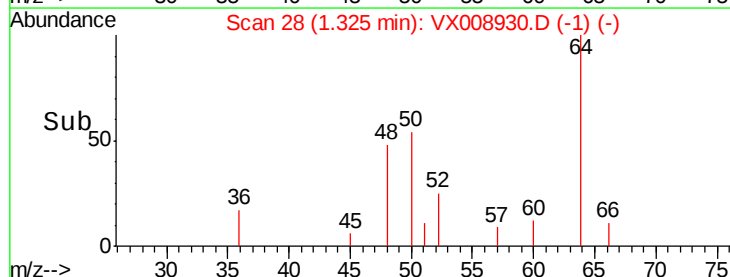
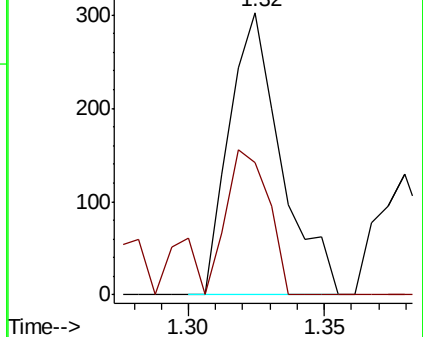
50 100

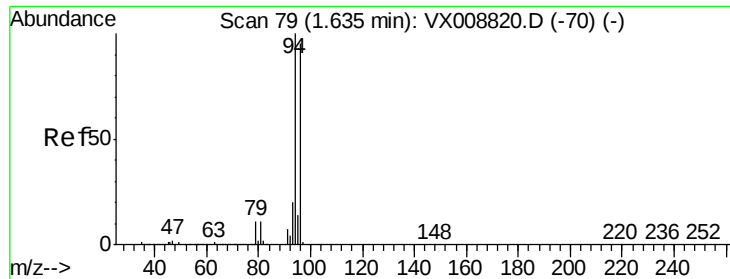
52 46.9 25.8 38.8#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0





#5

Bromomethane

Concen: 2.473 ug/l

RT: 1.64 min Scan# 79

Delta R.T. 0.00 min

Lab File: VX008930.D

Acq: 13 Apr 2019 14:35

Instrument :

MSVOA_X

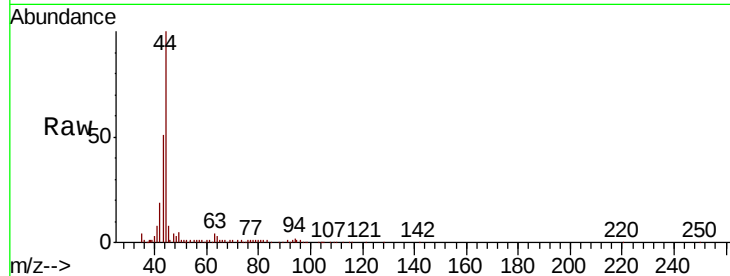
ClientSampleId :

Tot Ion: 94 Resp: 829

Ion Ratio Lower Upper

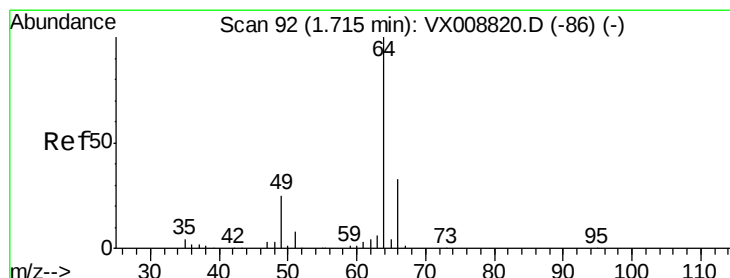
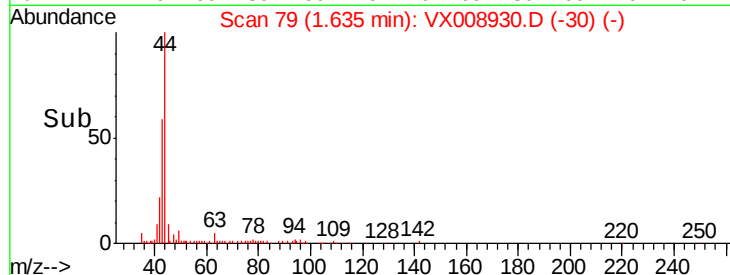
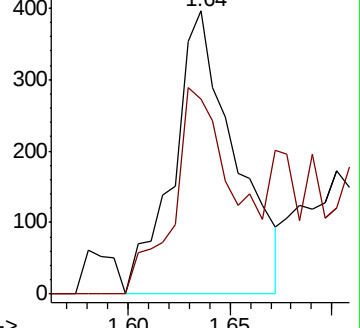
94 100

96 68.9 75.2 112.8#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: Below Cal

RT: 1.80 min Scan# 106

Delta R.T. 0.09 min

Lab File: VX008930.D

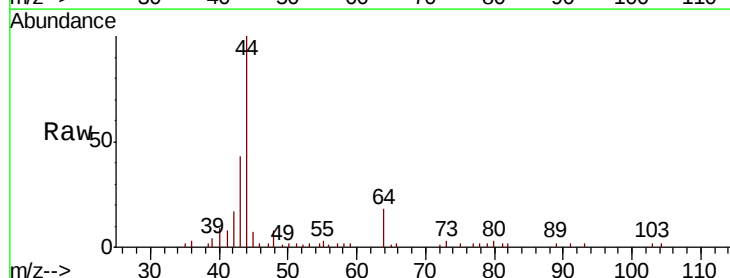
Acq: 13 Apr 2019 14:35

Tgt Ion: 64 Resp: 118

Ion Ratio Lower Upper

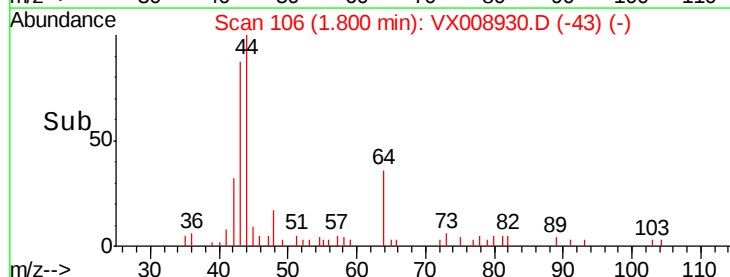
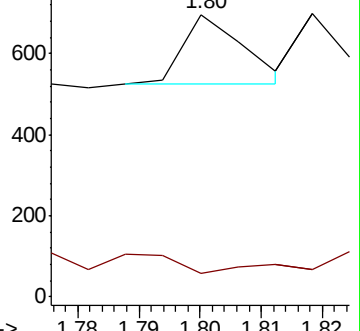
64 100

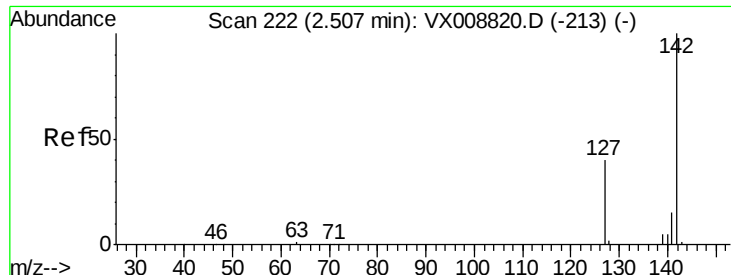
66 0.0 25.4 38.0#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

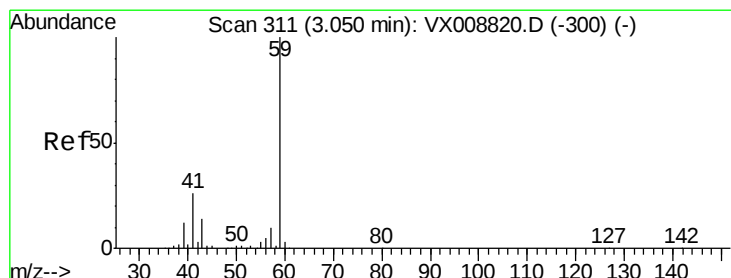
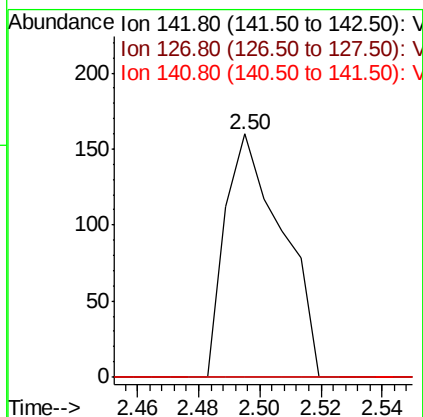
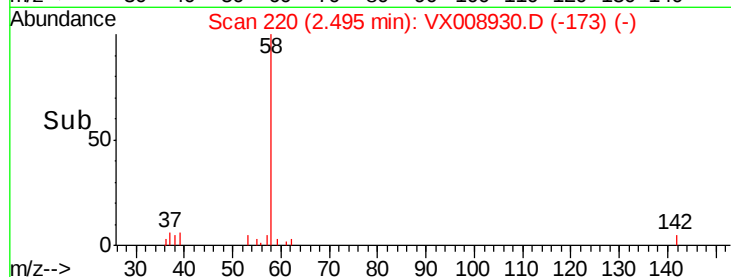
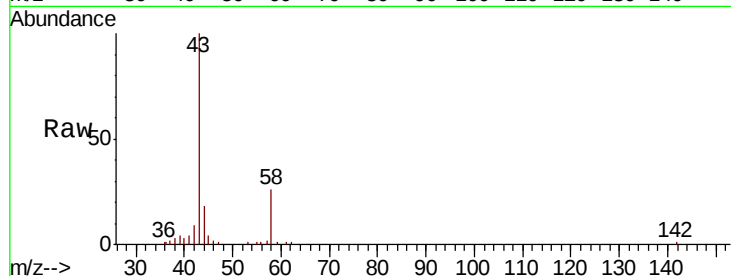




#10
Methvl Iodide
Concen: 4.109 ug/l
RT: 2.50 min Scan# 220
Delta R.T. -0.01 min
Lab File: VX008930.D
Acq: 13 Apr 2019 14:35

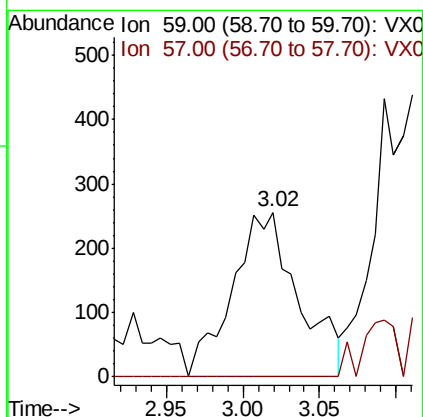
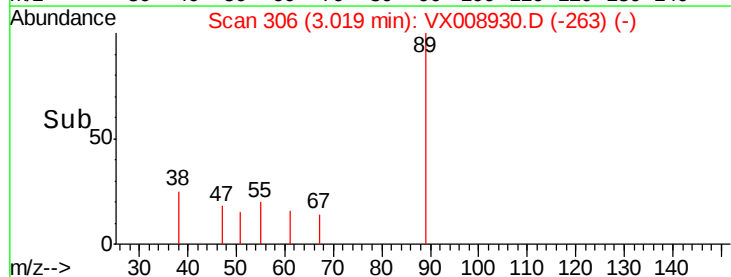
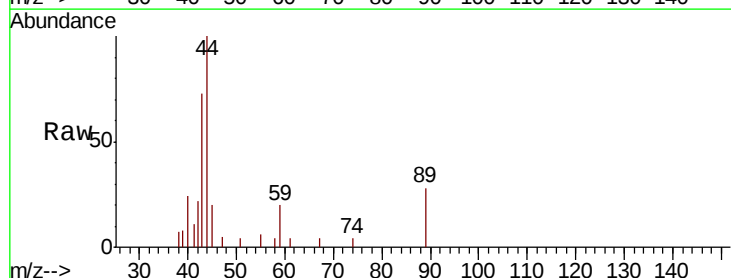
Instrument :
MSVOA_X
ClientSampleId :

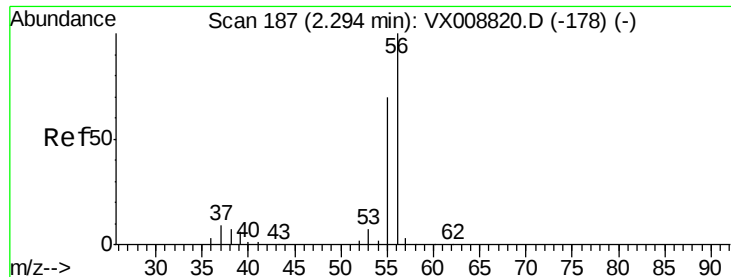
Tot Ion:142 Resp: 206
Ion Ratio Lower Upper
142 100
127 0.0 33.0 49.6#
141 0.0 11.4 17.2#



#11
Tert butyl alcohol
Concen: 1.271 ug/l
RT: 3.02 min Scan# 306
Delta R.T. -0.04 min
Lab File: VX008930.D
Acq: 13 Apr 2019 14:35

Tgt Ion: 59 Resp: 768
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#





#13

Acrolein

Concen: 6.602 ug/l

RT: 2.31 min Scan# 189

Delta R.T. 0.01 min

Lab File: VX008930.D

Acq: 13 Apr 2019 14:35

Instrument :

MSVOA_X

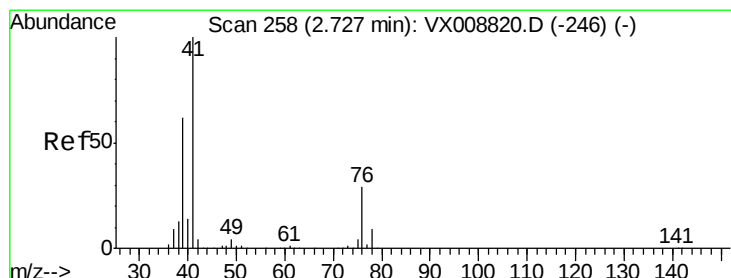
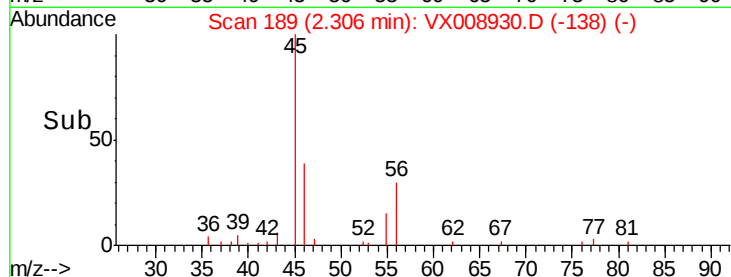
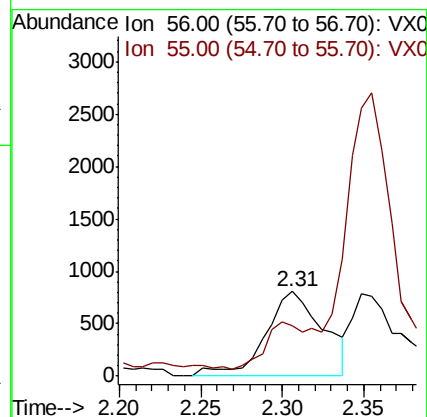
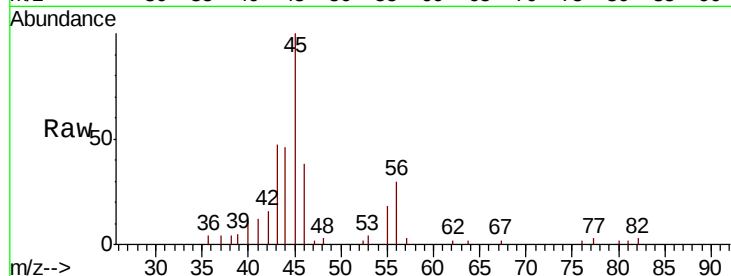
ClientSampled :

Tot Ion: 56 Resp: 1978

Ion Ratio Lower Upper

56 100

55 35.2 58.0 87.0#



#14

Allyl chloride

Concen: 0.281 ug/l

RT: 2.75 min Scan# 261

Delta R.T. 0.02 min

Lab File: VX008930.D

Acq: 13 Apr 2019 14:35

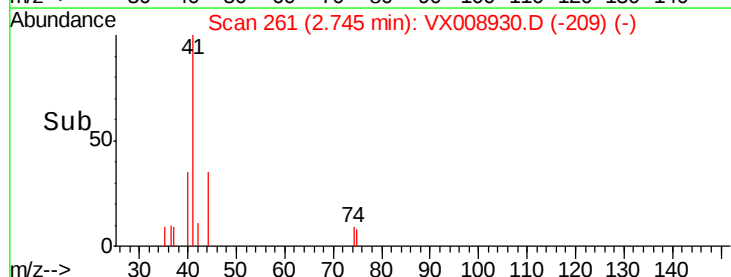
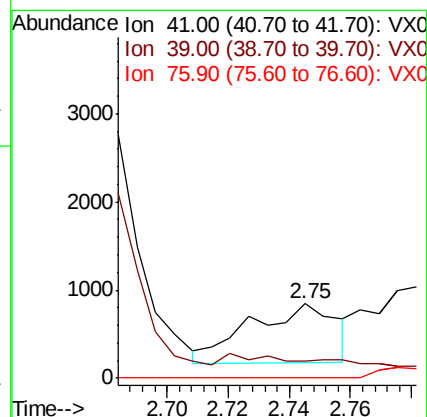
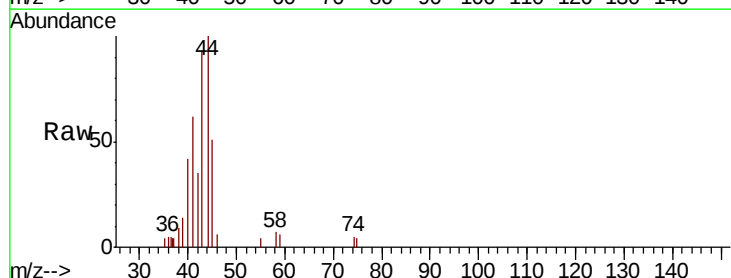
Tgt Ion: 41 Resp: 1314

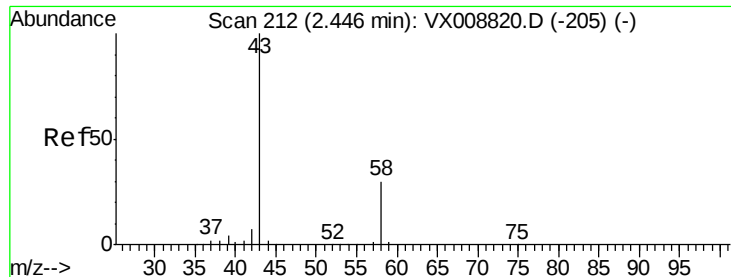
Ion Ratio Lower Upper

41 100

39 0.0 48.0 72.0#

76 0.0 22.0 33.0#





#16

Acetone

Concen: 191.102 ug/l

RT: 2.46 min Scan# 214

Delta R.T. 0.01 min

Lab File: VX008930.D

Acq: 13 Apr 2019 14:35

Instrument :

MSVOA_X

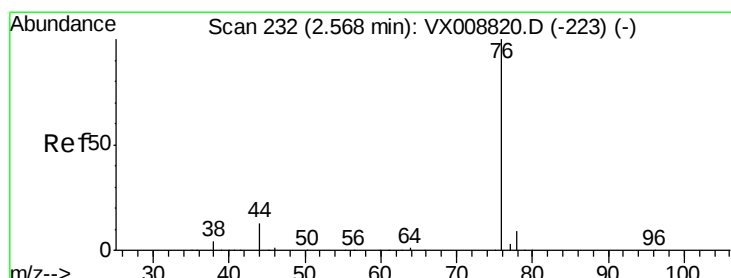
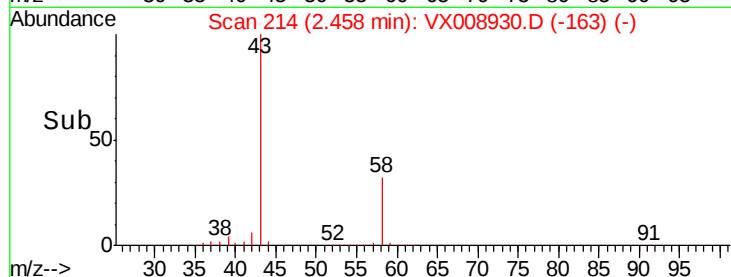
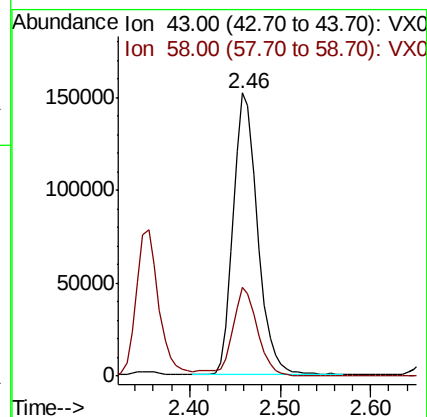
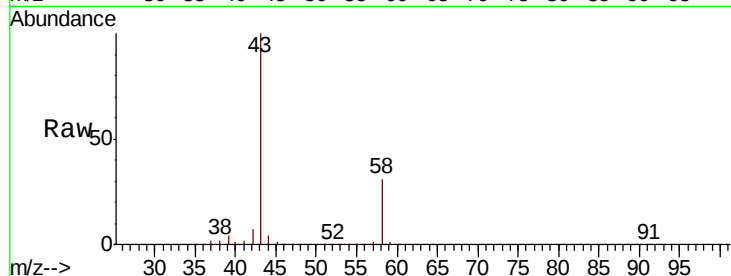
ClientSampleId :

Tot Ion: 43 Resp: 284073

Ion Ratio Lower Upper

43 100

58 31.3 24.8 37.2



#17

Carbon Disulfide

Concen: Below Cal

RT: 2.55 min Scan# 229

Delta R.T. -0.02 min

Lab File: VX008930.D

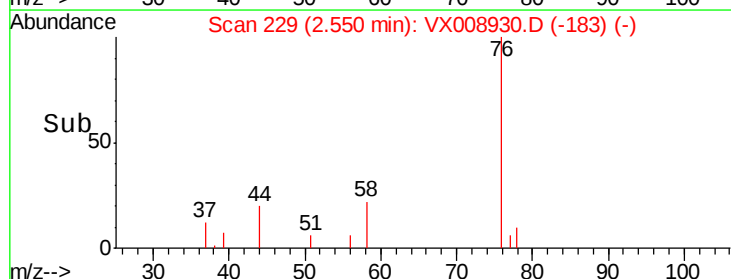
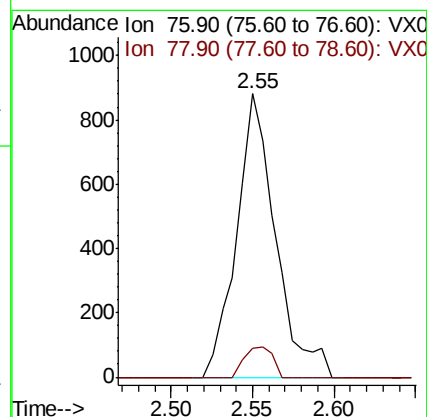
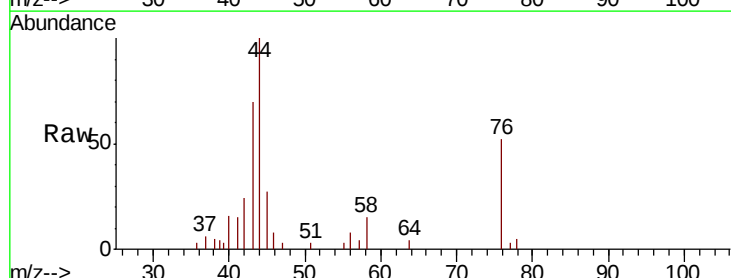
Acq: 13 Apr 2019 14:35

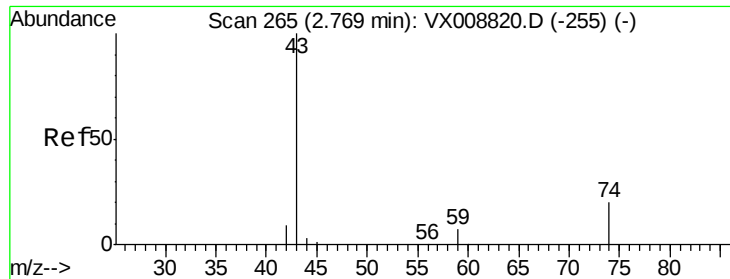
Tgt Ion: 76 Resp: 1466

Ion Ratio Lower Upper

76 100

78 10.3 7.1 10.7

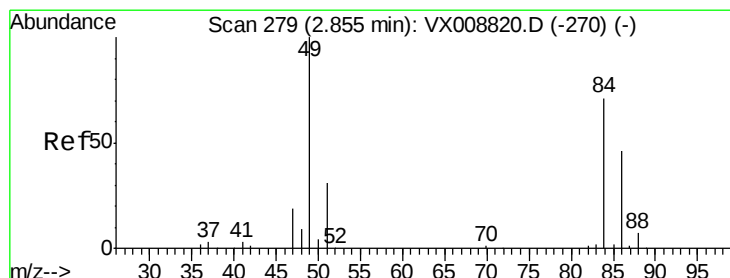
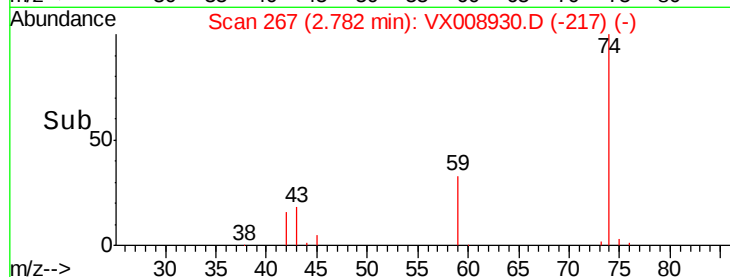
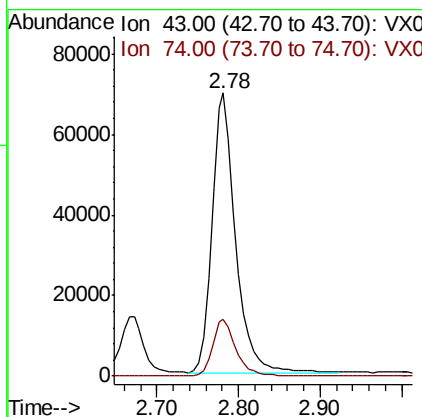
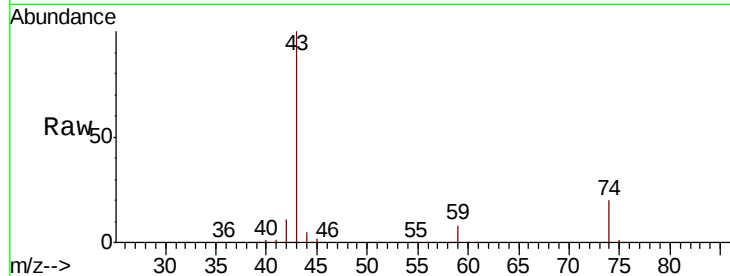




#18
Methvl Acetate
Concen: 38.714 ug/l
RT: 2.78 min Scan# 267
Delta R.T. 0.01 min
Lab File: VX008930.D
Acq: 13 Apr 2019 14:35

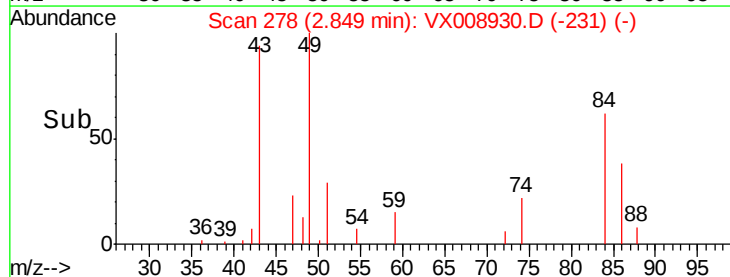
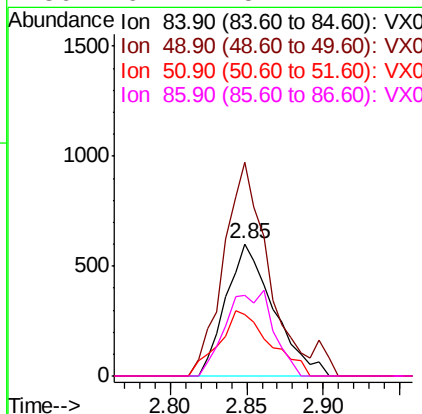
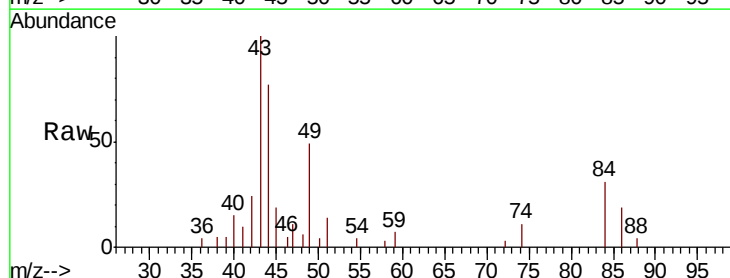
Instrument :
MSVOA_X
ClientSampleId :

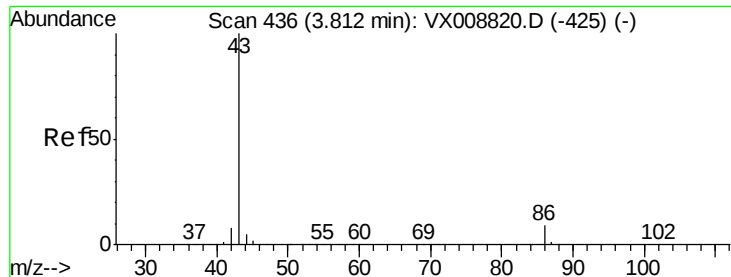
Tot Ion: 43 Resp: 139573
Ion Ratio Lower Upper
43 100
74 20.4 16.5 24.7



#20
Methylene Chloride
Concen: 0.522 ug/l
RT: 2.85 min Scan# 278
Delta R.T. -0.01 min
Lab File: VX008930.D
Acq: 13 Apr 2019 14:35

Tgt Ion: 84 Resp: 1299
Ion Ratio Lower Upper
84 100
49 161.2 109.7 164.5
51 46.6 33.6 50.4
86 61.2 51.4 77.2





#23

Vinyl Acetate

Concen: 1.580 ug/l

RT: 3.92 min Scan# 454

Delta R.T. 0.10 min

Lab File: VX008930.D

Acq: 13 Apr 2019 14:35

Instrument :

MSVOA_X

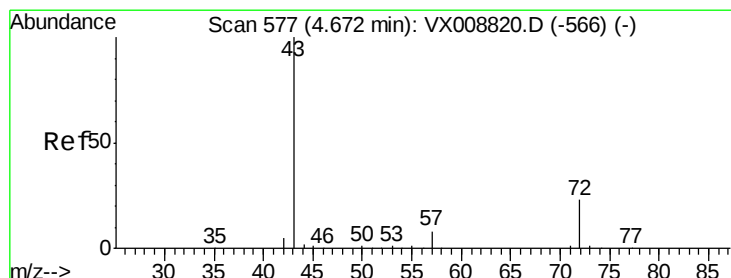
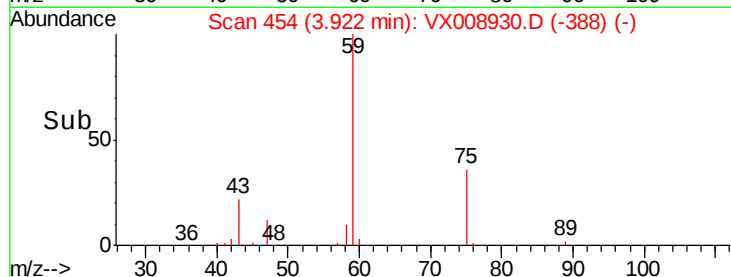
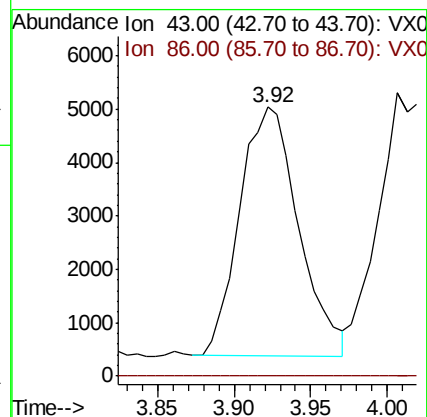
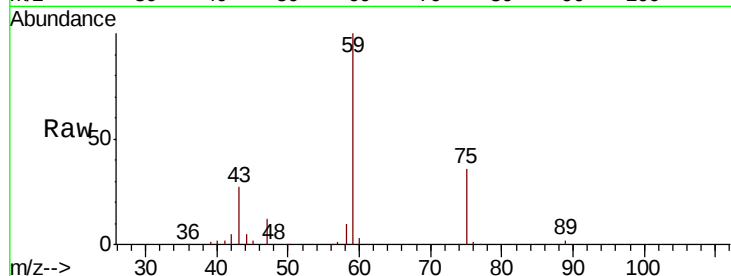
ClientSampled :

Tot Ion: 43 Resp: 12410

Ion Ratio Lower Upper

43 100

86 0.0 7.0 10.6#



#25

2-Butanone

Concen: 14.341 ug/l

RT: 4.69 min Scan# 580

Delta R.T. 0.01 min

Lab File: VX008930.D

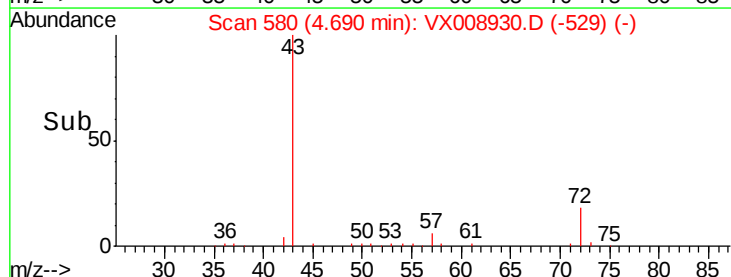
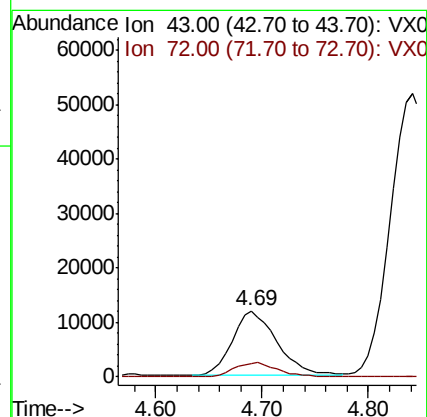
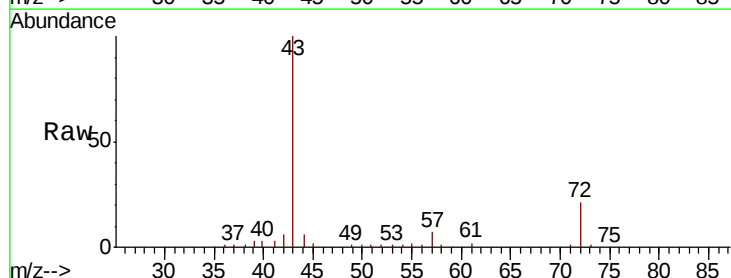
Acq: 13 Apr 2019 14:35

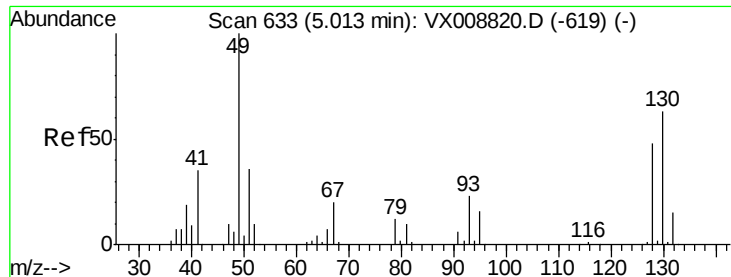
Tgt Ion: 43 Resp: 33694

Ion Ratio Lower Upper

43 100

72 21.3 18.2 27.4





#28

Bromochloromethane

Concen: Below Cal

RT: 4.93 min Scan# 620

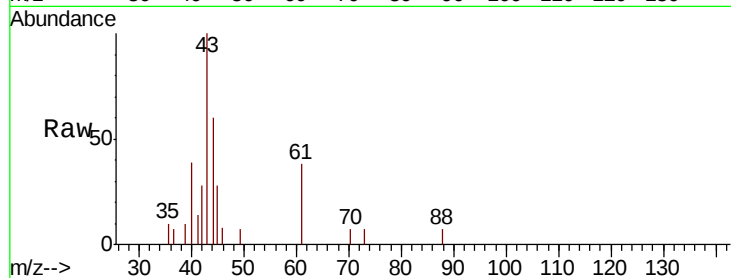
Delta R.T. -0.09 min

Lab File: VX008930.D

Acq: 13 Apr 2019 14:35

Instrument :
MSVOA_X
ClientSampleId :

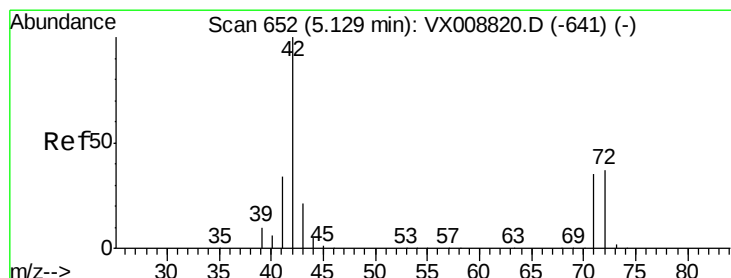
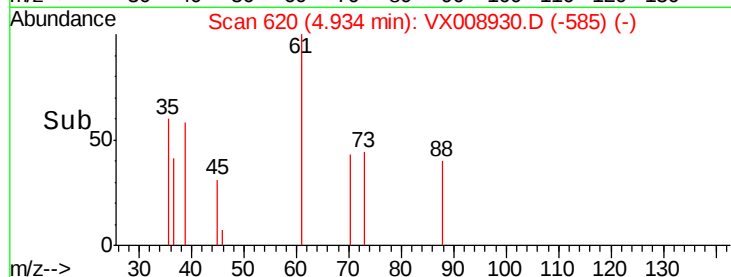
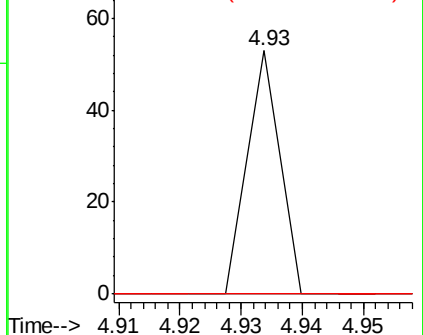
Tot Ion:	49	Resp:	19
Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	3.6
130	0.0	49.3	73.9#



Abundance Ion 48.90 (48.60 to 49.60): VX0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V



#29

Tetrahydrofuran

Concen: 0.375 ug/l

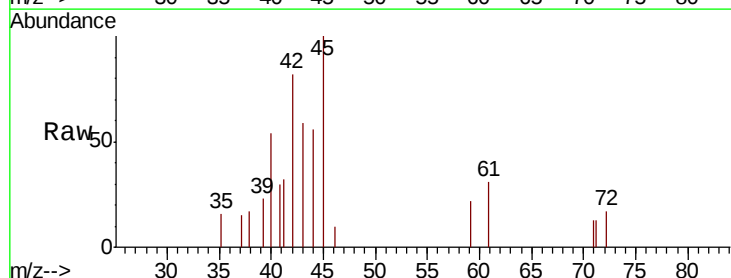
RT: 5.15 min Scan# 656

Delta R.T. 0.02 min

Lab File: VX008930.D

Acq: 13 Apr 2019 14:35

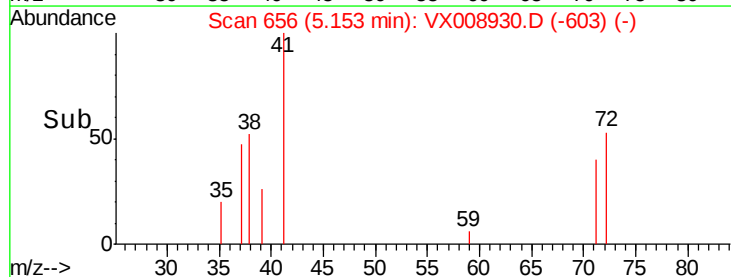
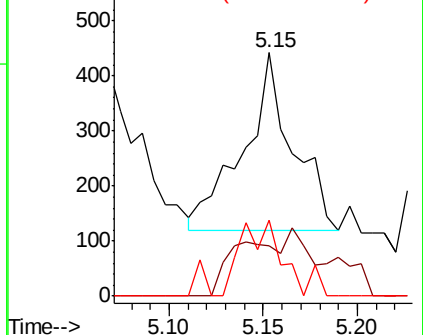
Tgt Ion:	42	Resp:	585
Ion	Ratio	Lower	Upper
42	100		
72	32.3	30.5	45.7
71	37.4	28.6	43.0

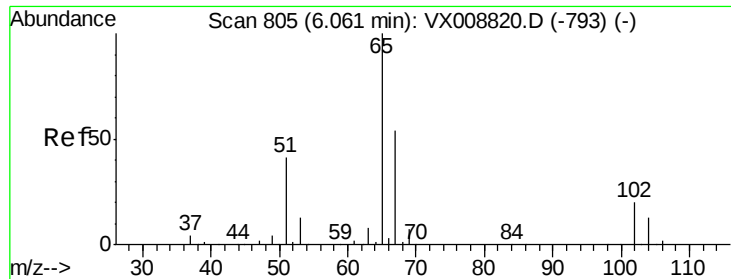


Abundance Ion 42.00 (41.70 to 42.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0

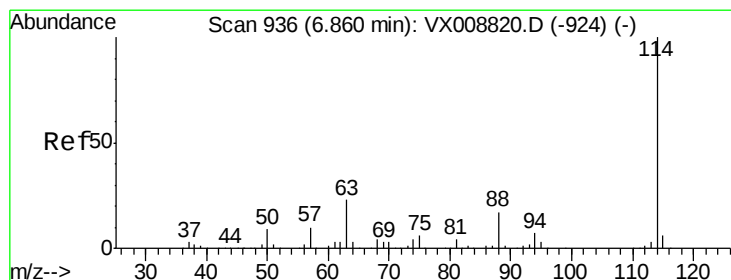
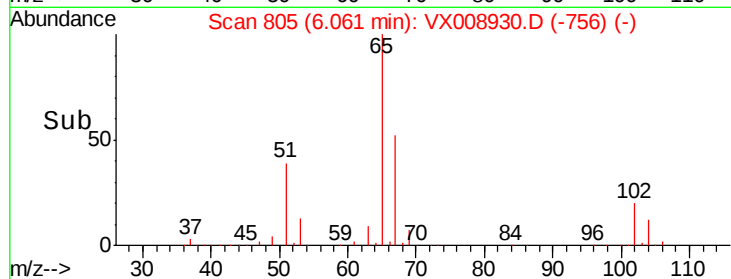
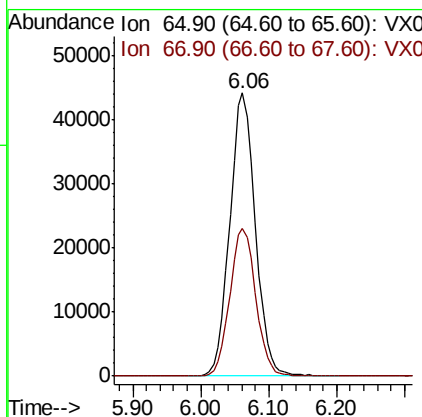
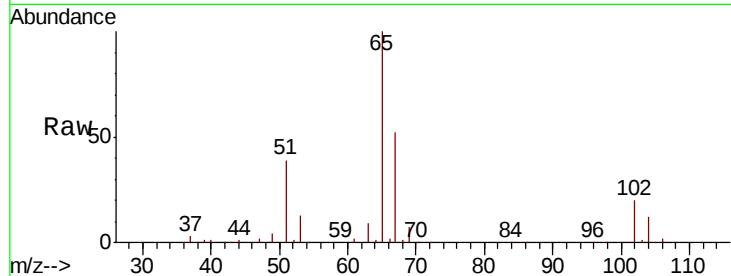




#33
 1,2-Dichloroethane-d4
 Concen: 44.410 ug/l
 RT: 6.06 min Scan# 805
 Delta R.T. -0.00 min
 Lab File: VX008930.D
 Acq: 13 Apr 2019 14:35

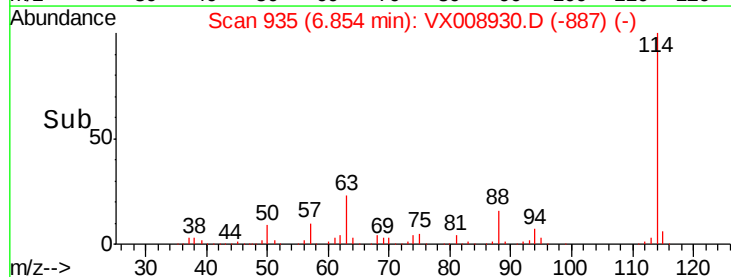
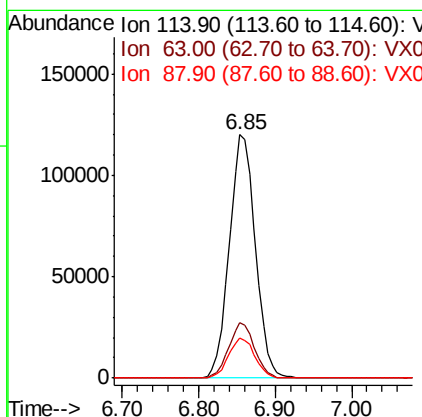
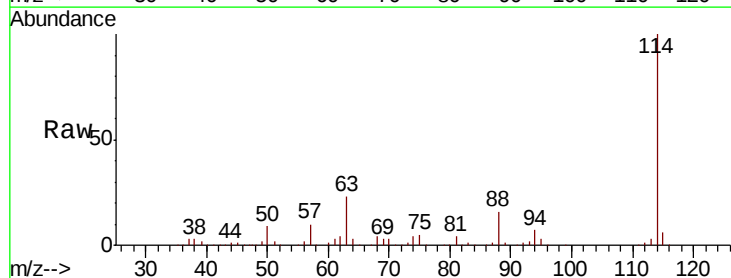
Instrument :
 MSVOA_X
 ClientSampleId :

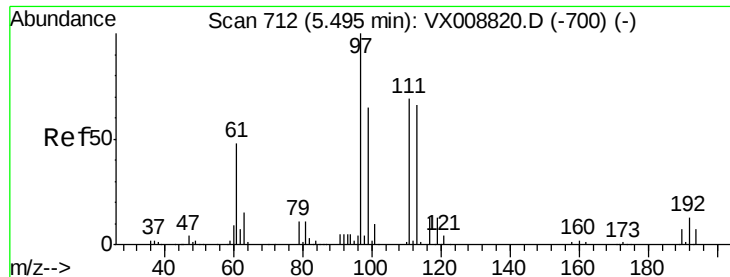
Tot Ion: 65 Resp: 114615
 Ion Ratio Lower Upper
 65 100
 67 53.3 0.0 107.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 935
 Delta R.T. -0.01 min
 Lab File: VX008930.D
 Acq: 13 Apr 2019 14:35

Tgt Ion: 114 Resp: 282103
 Ion Ratio Lower Upper
 114 100
 63 23.0 0.0 47.2
 88 16.4 0.0 34.0





#35

Dibromofluoromethane

Concen: 46.170 ug/l

RT: 5.49 min Scan# 712

Delta R.T. -0.01 min

Lab File: VX008930.D

Acq: 13 Apr 2019 14:35

Instrument :

MSVOA_X

ClientSampleId :

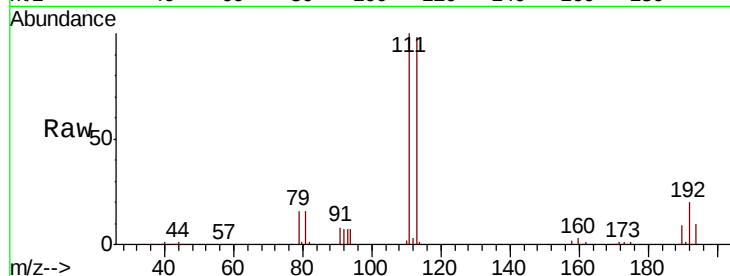
Tot Ion:113 Resp: 83275

Ion Ratio Lower Upper

113 100

111 102.7 83.4 125.2

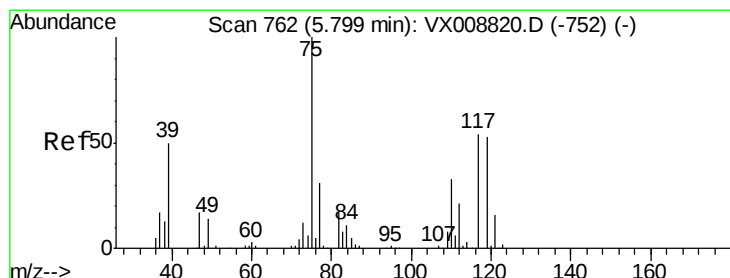
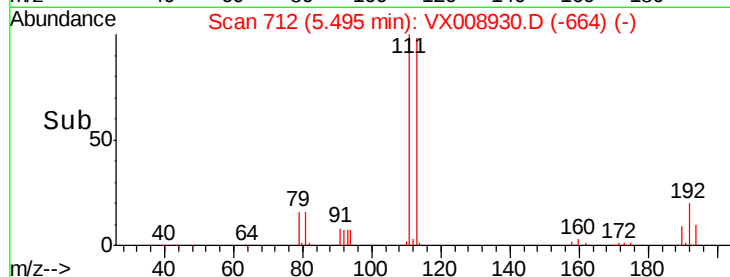
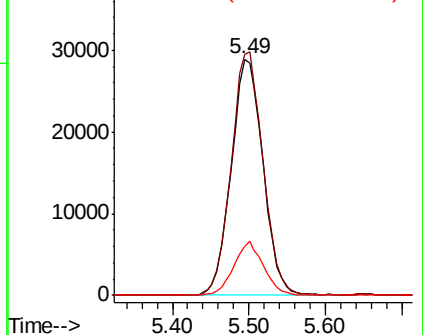
192 21.5 16.1 24.1



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 4.437 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.14 min

Lab File: VX008930.D

Acq: 13 Apr 2019 14:35

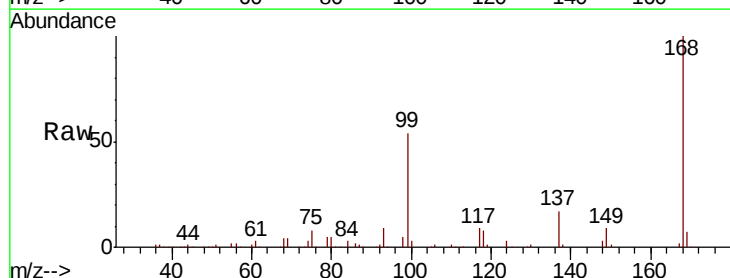
Tgt Ion: 75 Resp: 13682

Ion Ratio Lower Upper

75 100

110 8.2 16.4 49.2#

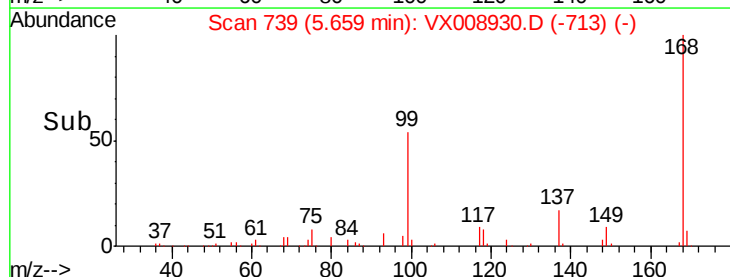
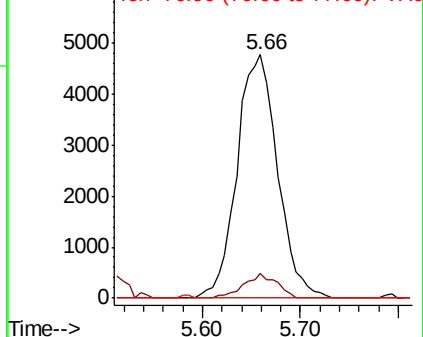
77 0.0 24.7 37.1#

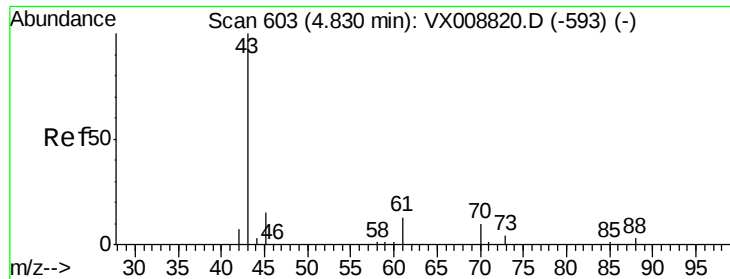


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0

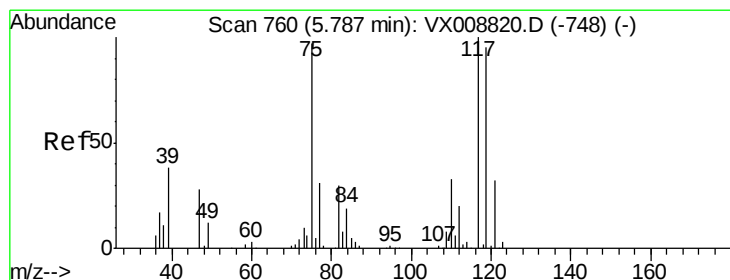
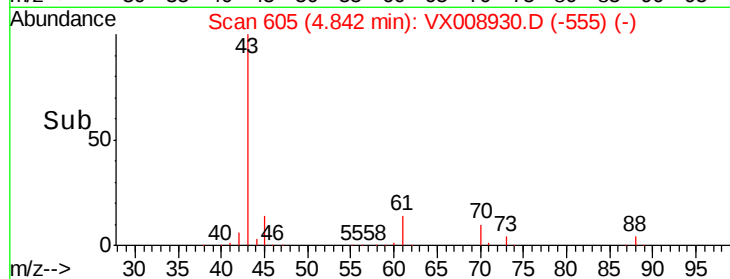
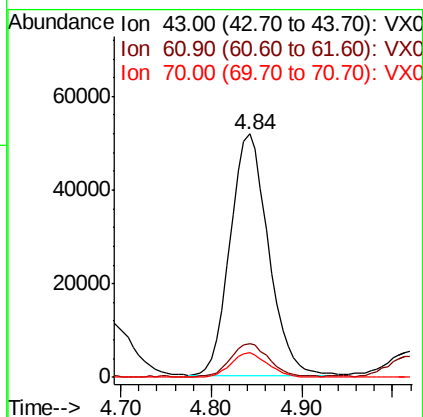
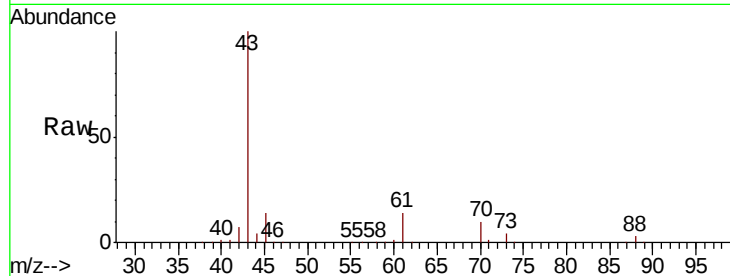




#37
Ethyl Acetate
Concen: 36.572 ug/l
RT: 4.84 min Scan# 605
Delta R.T. 0.01 min
Lab File: VX008930.D
Acq: 13 Apr 2019 14:35

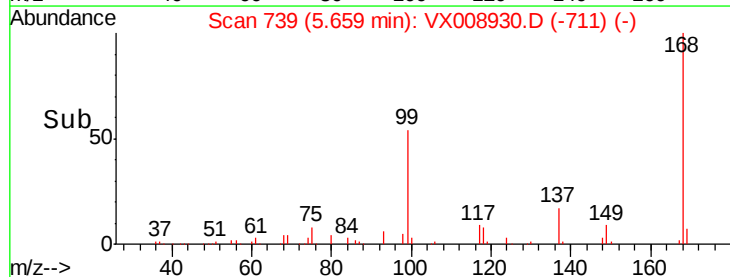
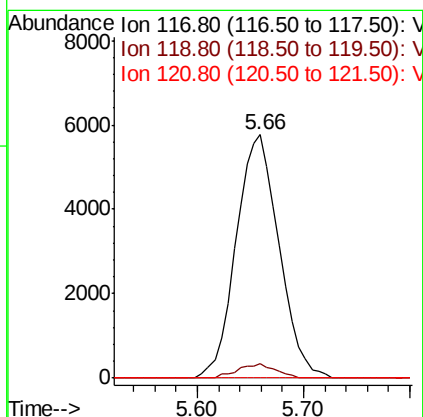
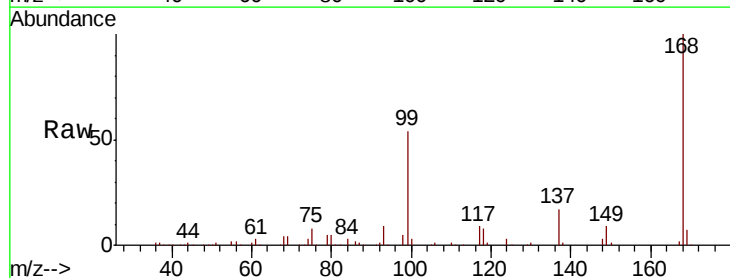
Instrument :
MSVOA_X
ClientSampleId :

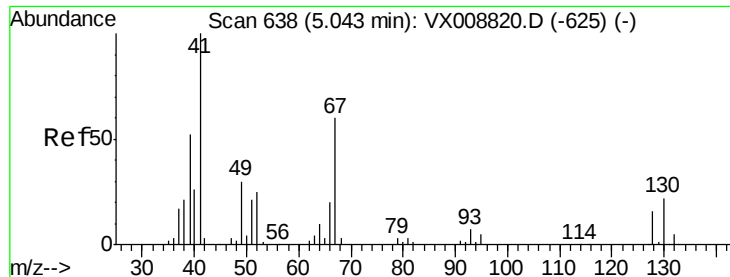
Tot Ion: 43 Resp: 150531
Ion Ratio Lower Upper
43 100
61 13.6 10.3 15.5
70 10.2 7.6 11.4



#38
Carbon Tetrachloride
Concen: 6.372 ug/l
RT: 5.66 min Scan# 739
Delta R.T. -0.13 min
Lab File: VX008930.D
Acq: 13 Apr 2019 14:35

Tgt Ion: 117 Resp: 16263
Ion Ratio Lower Upper
117 100
119 5.8 75.0 112.6#
121 0.0 24.3 36.5#

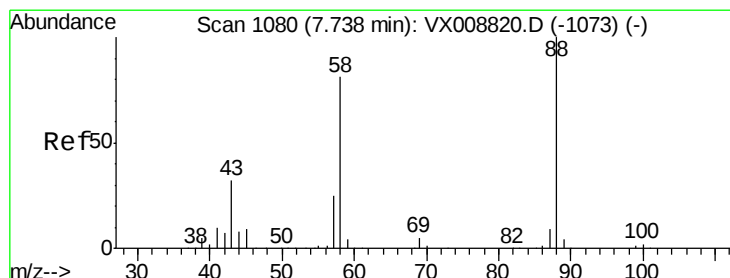
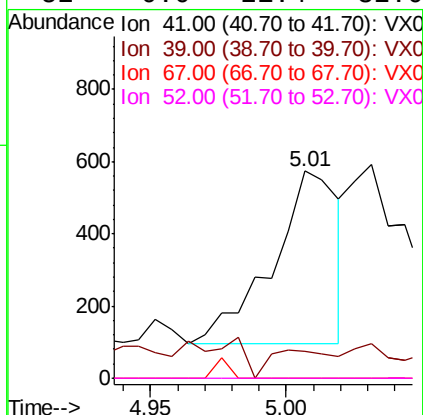
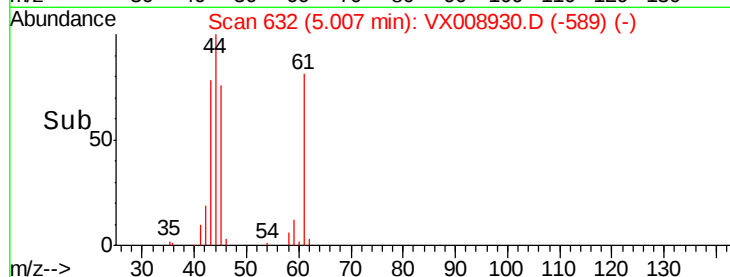
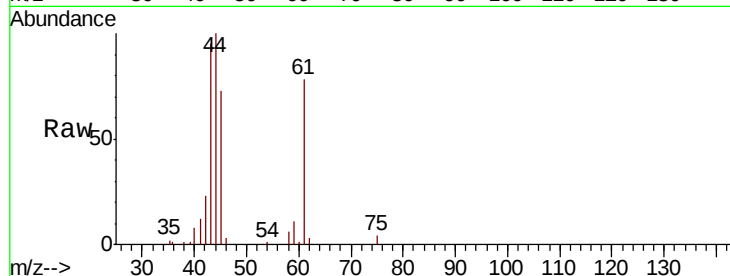




#41
Methacrylonitrile
Concen: 0.343 ug/l
RT: 5.01 min Scan# 632
Delta R.T. -0.04 min
Lab File: VX008930.D
Acq: 13 Apr 2019 14:35

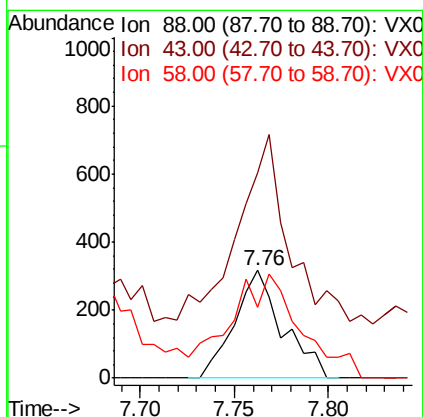
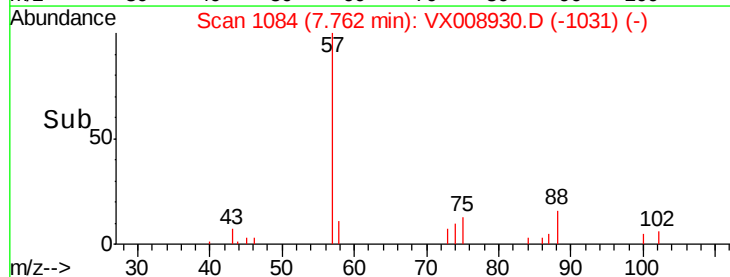
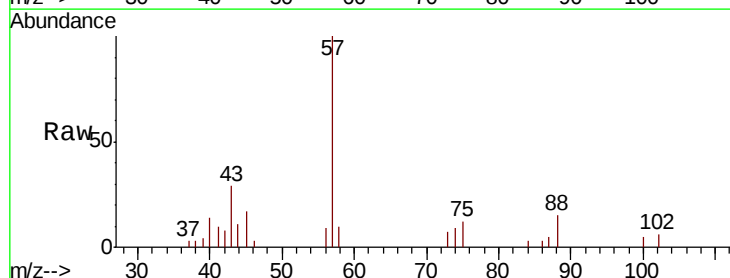
Instrument :
MSVOA_X
ClientSampled :

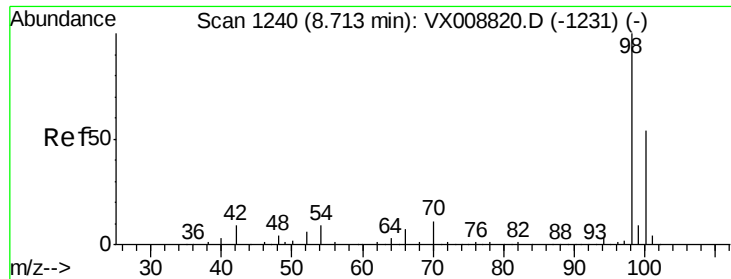
Tot Ion: 41 Resp: 811
Ion Ratio Lower Upper
41 100
39 15.7 42.1 63.1#
67 0.0 51.0 76.6#
52 0.0 21.4 32.0#



#49
1,4-Dioxane
Concen: 9.165 ug/l
RT: 7.76 min Scan# 1084
Delta R.T. 0.02 min
Lab File: VX008930.D
Acq: 13 Apr 2019 14:35

Tgt Ion: 88 Resp: 560
Ion Ratio Lower Upper
88 100
43 188.4 28.6 43.0#
58 143.2 62.2 93.2#





#50

Toluene-d8

Concen: 48.077 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX008930.D

Acq: 13 Apr 2019 14:35

Instrument :

MSVOA_X

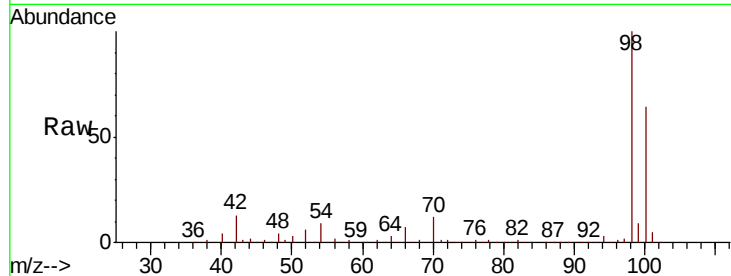
ClientSampled :

Tot Ion: 98 Resp: 345275

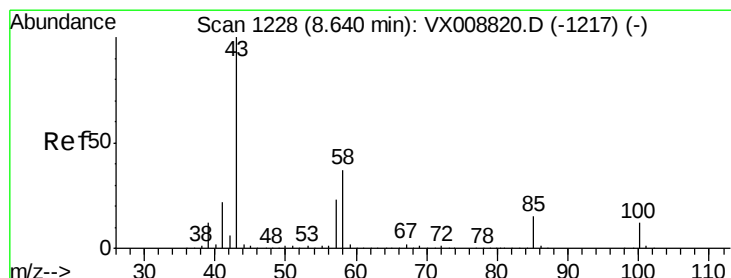
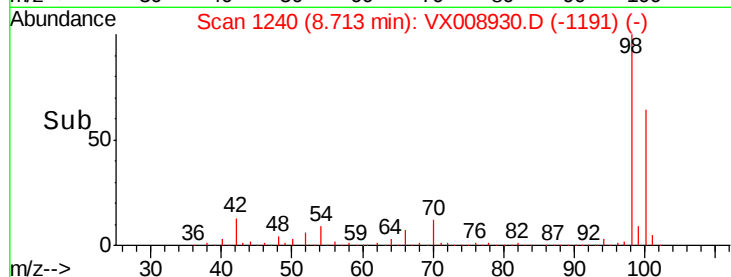
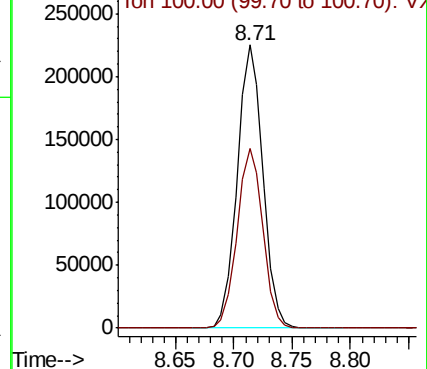
Ion Ratio Lower Upper

98 100

100 63.8 51.4 77.0



Abundance Ion 98.00 (97.70 to 98.70): VX0



#51

4-Methyl-2-Pentanone

Concen: 26.001 ug/l

RT: 8.62 min Scan# 1225

Delta R.T. -0.02 min

Lab File: VX008930.D

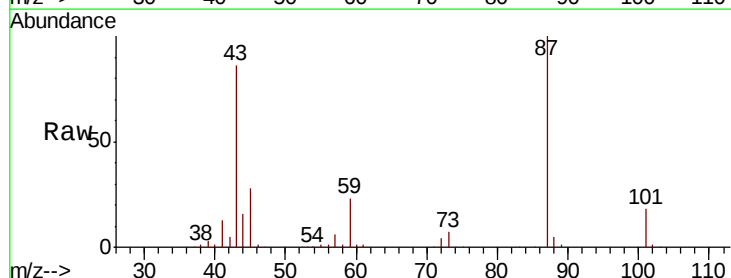
Acq: 13 Apr 2019 14:35

Tgt Ion: 43 Resp: 107921

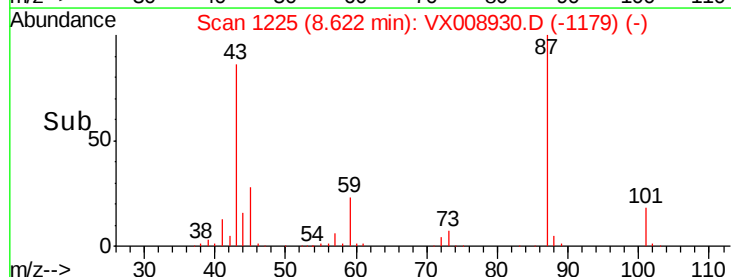
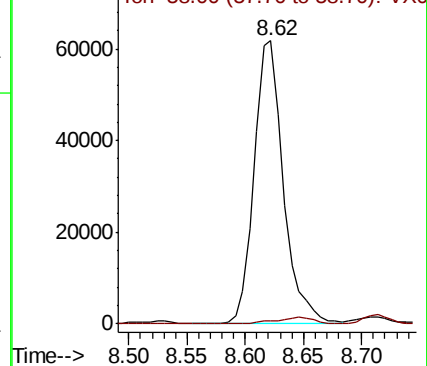
Ion Ratio Lower Upper

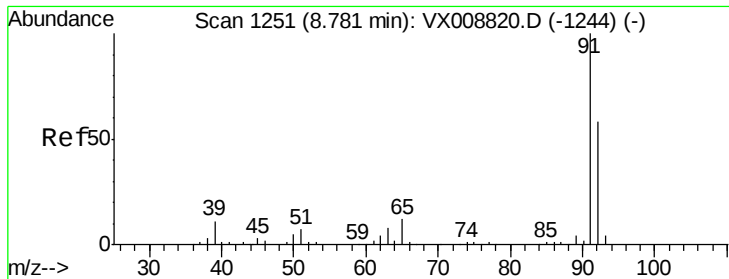
43 100

58 0.0 29.5 44.3#



Abundance Ion 43.00 (42.70 to 43.70): VX0





#52

Toluene

Concen: 0.475 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. -0.00 min

Lab File: VX008930.D

Acq: 13 Apr 2019 14:35

Instrument :

MSVOA_X

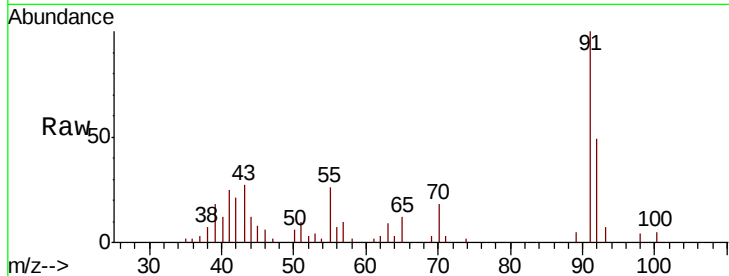
ClientSampleId :

Tot Ion: 92 Resp: 2574

Ion Ratio Lower Upper

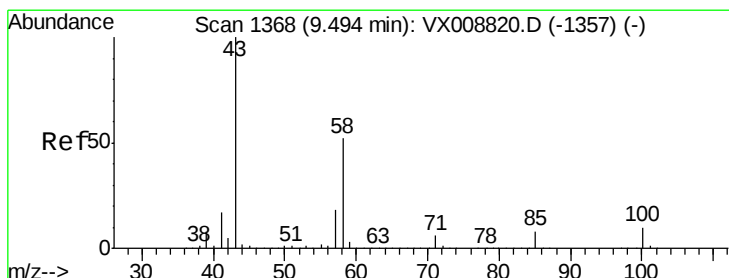
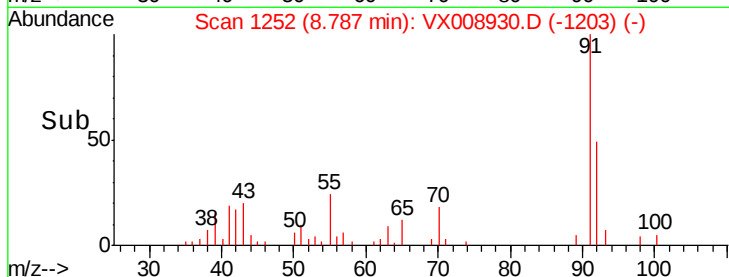
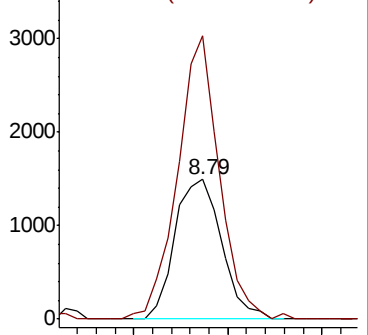
92 100

91 180.8 138.5 207.7



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0



#59

2-Hexanone

Concen: 0.388 ug/l

RT: 9.50 min Scan# 1369

Delta R.T. 0.01 min

Lab File: VX008930.D

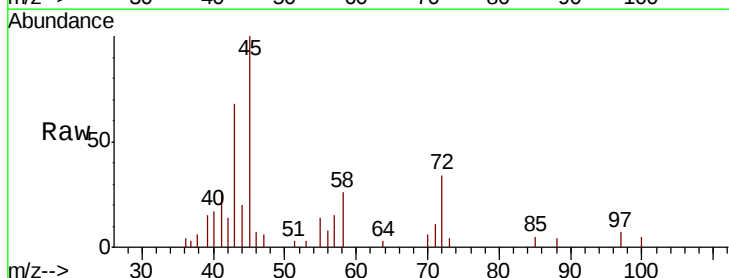
Acq: 13 Apr 2019 14:35

Tgt Ion: 43 Resp: 1253

Ion Ratio Lower Upper

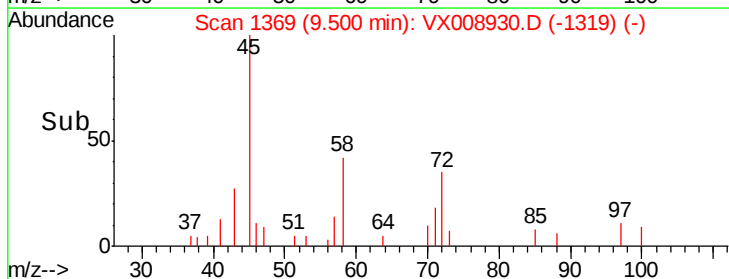
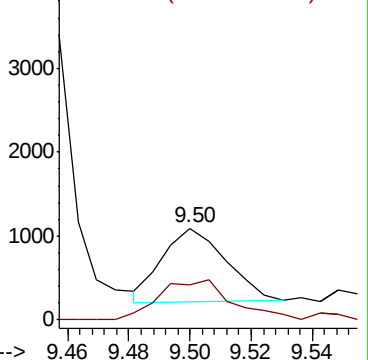
43 100

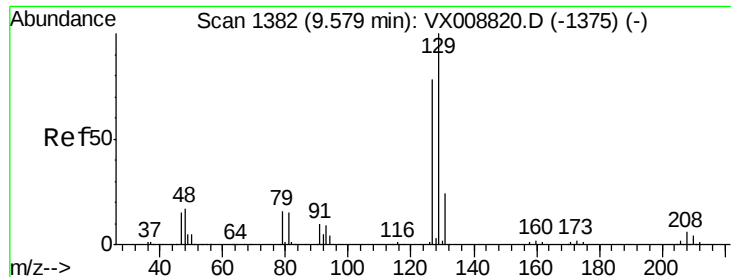
58 63.0 25.9 77.7



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

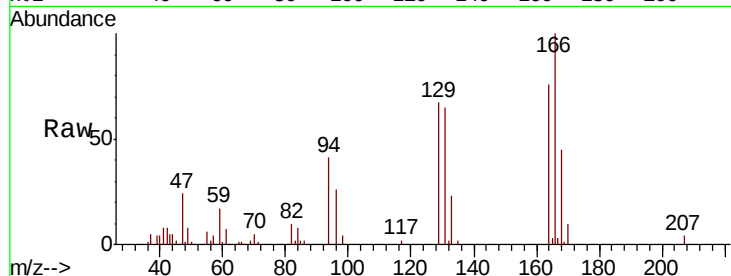




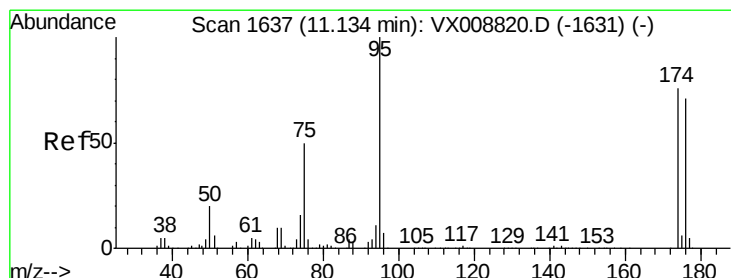
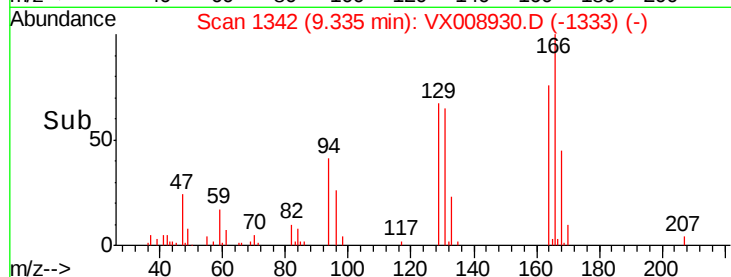
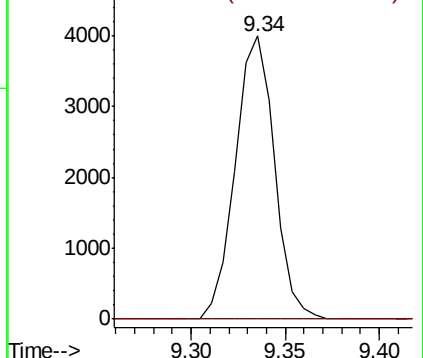
#60
 Dibromochloromethane
 Concen: 2.810 ug/l
 RT: 9.34 min Scan# 1342
 Delta R.T. -0.24 min
 Lab File: VX008930.D
 Acq: 13 Apr 2019 14:35

Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion:129 Resp: 5756
 Ion Ratio Lower Upper
 129 100
 127 0.0 38.5 115.3#

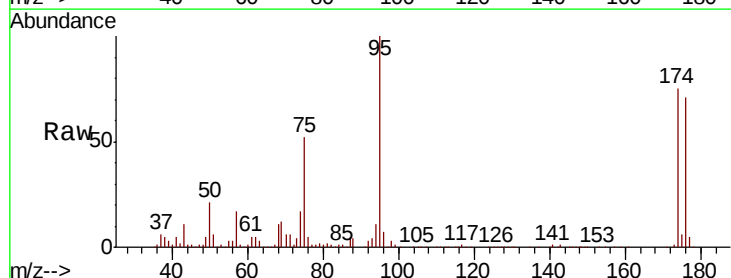


Abundance Ion 128.80 (128.50 to 129.50): V
 Ion 126.80 (126.50 to 127.50): V

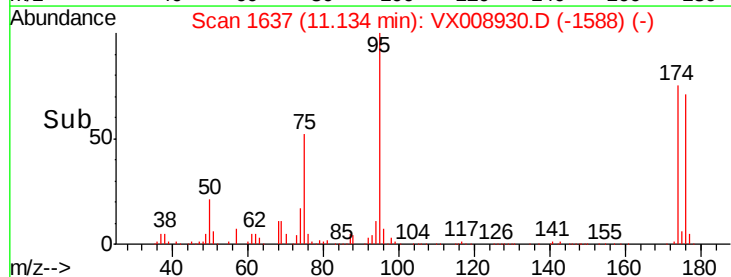
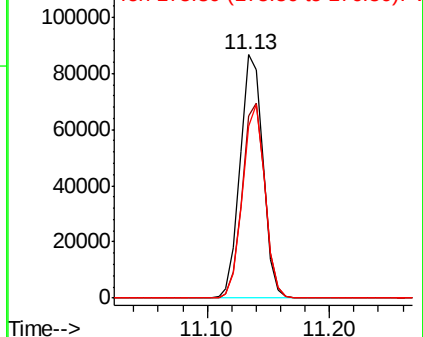


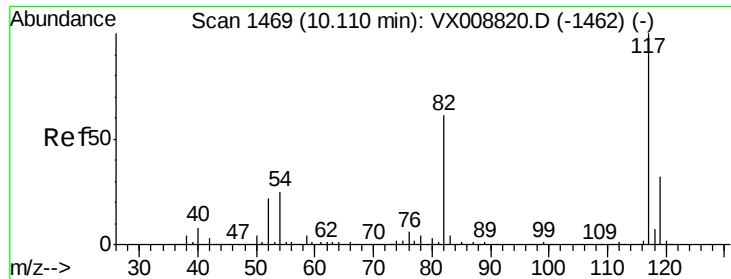
#62
 4-Bromofluorobenzene
 Concen: 43.960 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. -0.00 min
 Lab File: VX008930.D
 Acq: 13 Apr 2019 14:35

Tgt Ion: 95 Resp: 111955
 Ion Ratio Lower Upper
 95 100
 174 79.3 0.0 151.8
 176 77.6 0.0 145.8



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

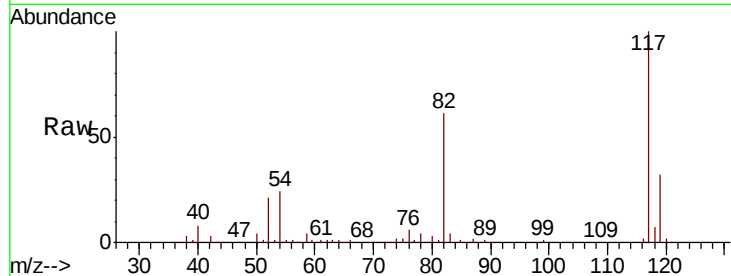




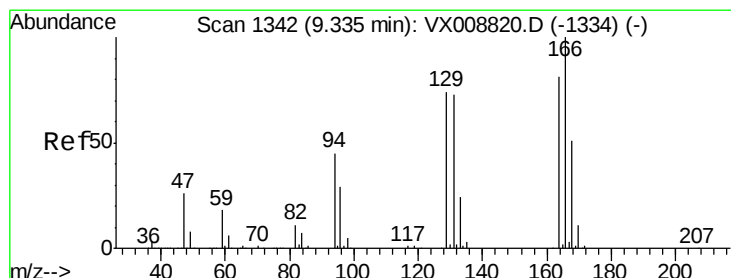
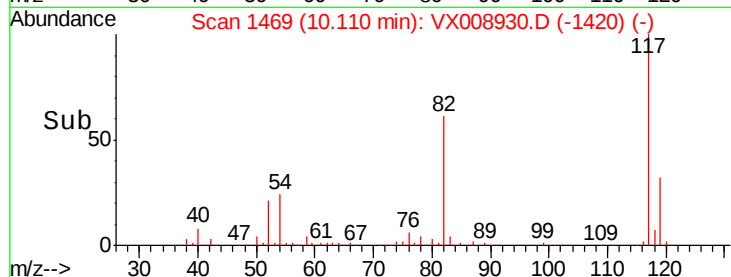
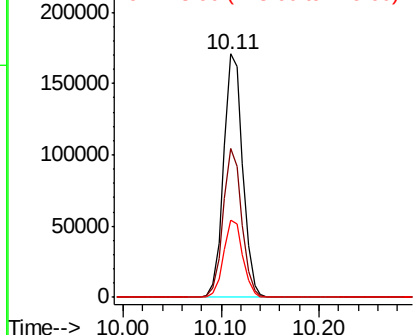
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX008930.D
Acq: 13 Apr 2019 14:35

Instrument :
MSVOA_X
ClientSampled :

Tot Ion:117 Resp: 230862
Ion Ratio Lower Upper
117 100
82 61.2 49.6 74.4
119 31.8 25.0 37.4

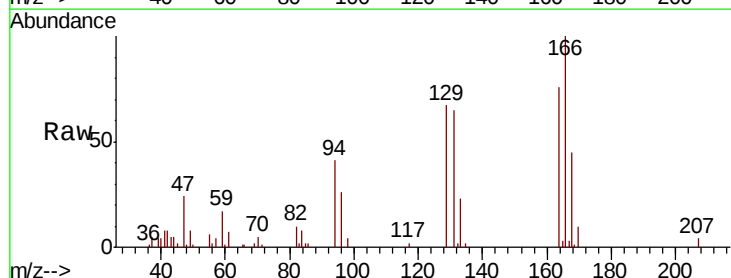


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

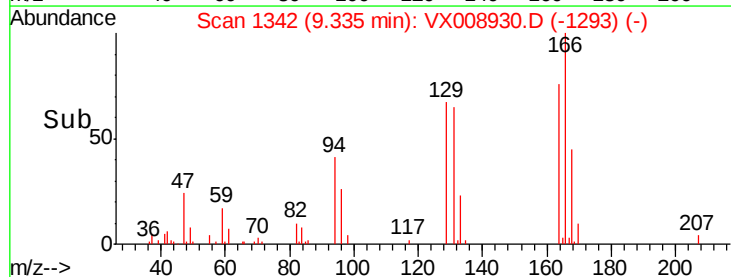
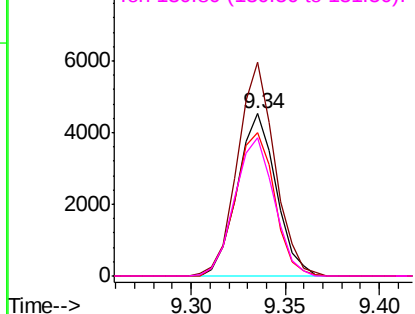


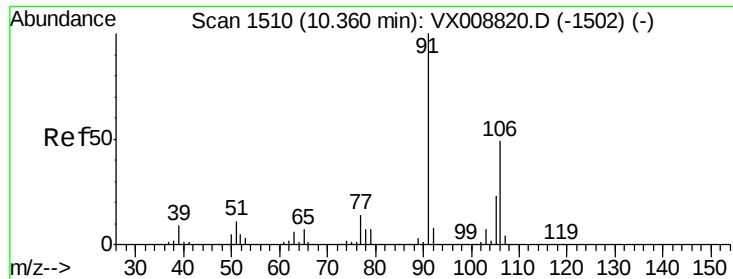
#64
Tetrachloroethene
Concen: 3.775 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. -0.00 min
Lab File: VX008930.D
Acq: 13 Apr 2019 14:35

Tgt Ion:164 Resp: 6457
Ion Ratio Lower Upper
164 100
166 131.7 101.0 151.6
129 88.3 75.8 113.8
131 85.0 71.8 107.8



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

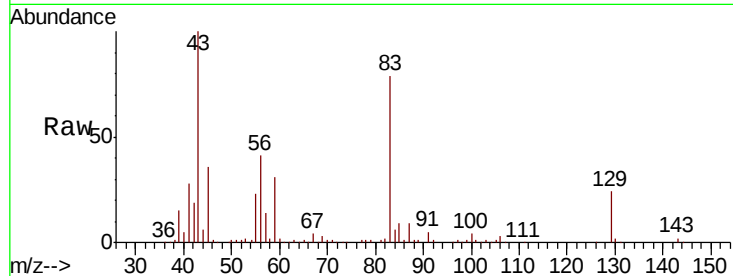




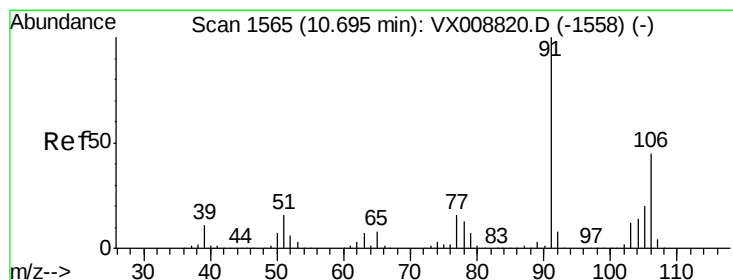
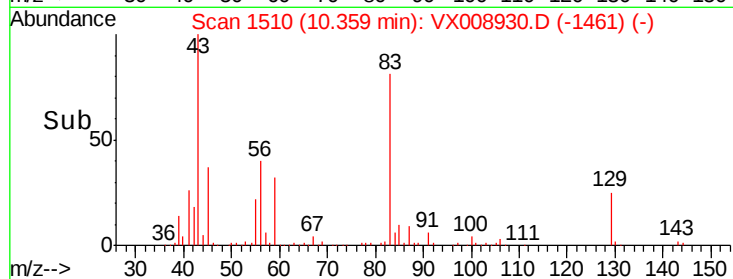
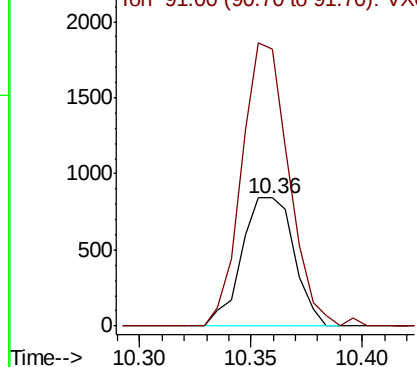
#68
m/p-Xvlenes
Concen: 0.401 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. -0.00 min
Lab File: VX008930.D
Acq: 13 Apr 2019 14:35

Instrument :
MSVOA_X
ClientSampled :

Tot Ion:106 Resp: 1377
Ion Ratio Lower Upper
106 100
91 200.0 168.5 252.7

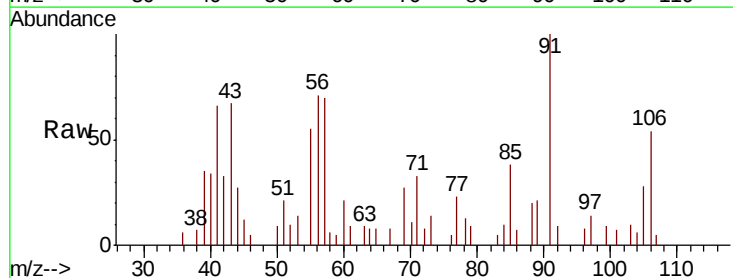


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VX0

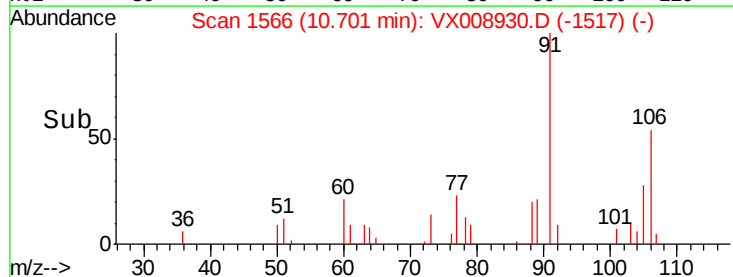
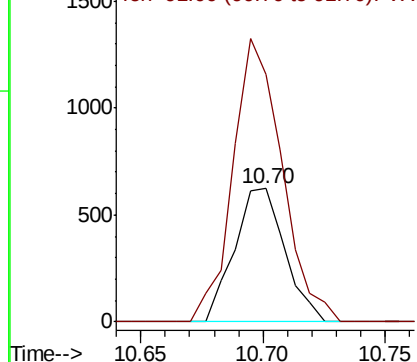


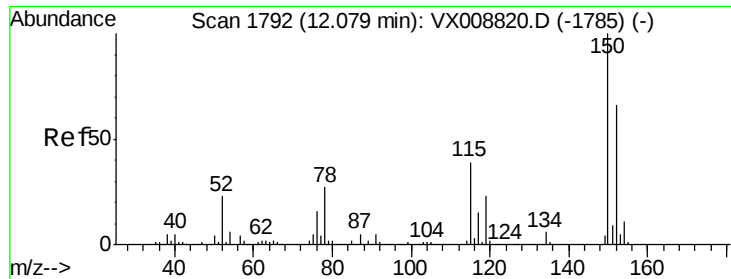
#69
o-Xylene
Concen: 0.269 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. -0.00 min
Lab File: VX008930.D
Acq: 13 Apr 2019 14:35

Tgt Ion:106 Resp: 893
Ion Ratio Lower Upper
106 100
91 207.1 111.5 334.4



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





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX008930.D

Acq: 13 Apr 2019 14:35

Instrument :

MSVOA_X

ClientSampleId :

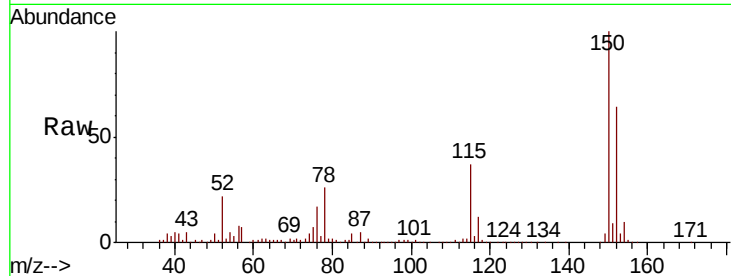
Tot Ion:152 Resp: 105098

Ion Ratio Lower Upper

152 100

115 59.9 43.5 130.5

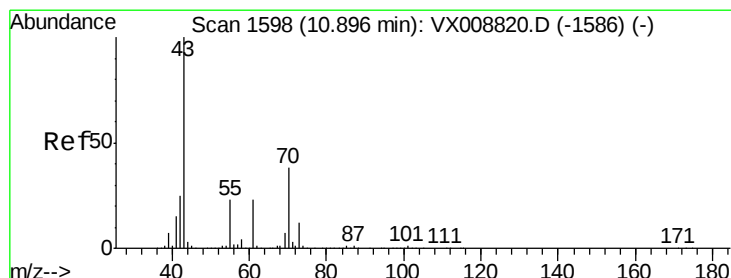
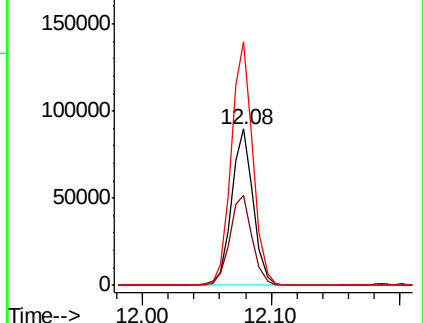
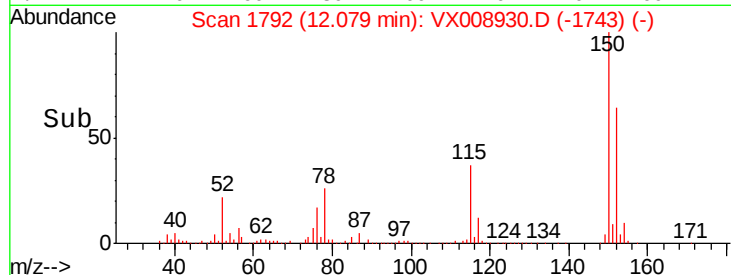
150 155.8 0.0 348.8



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#74

N-ethyl acetate

Concen: 0.434 ug/l

RT: 10.91 min Scan# 1600

Delta R.T. 0.01 min

Lab File: VX008930.D

Acq: 13 Apr 2019 14:35

Tgt Ion: 43 Resp: 2226

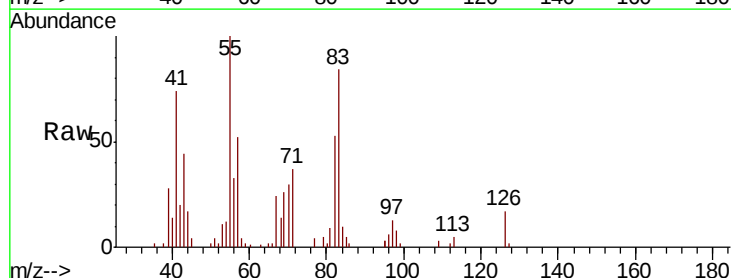
Ion Ratio Lower Upper

43 100

70 56.9 30.2 45.4#

55 280.9 18.2 27.4#

61 0.0 18.6 28.0#

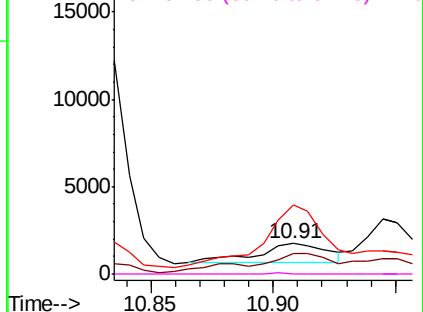
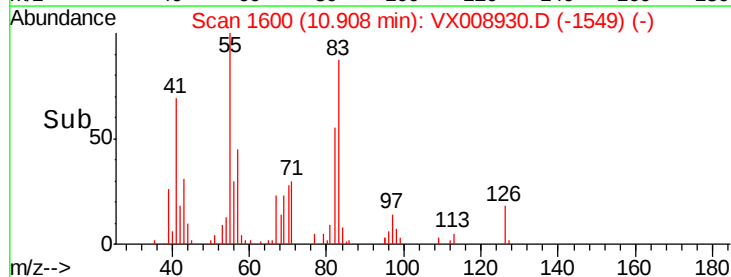


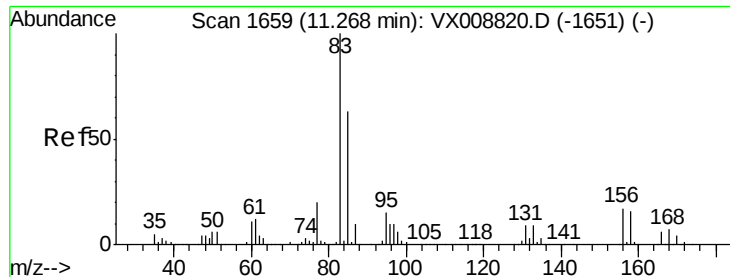
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0





#75

1,1,2,2-Tetrachloroethane

Concen: 0.363 ug/l

RT: 11.27 min Scan# 1660

Delta R.T. 0.01 min

Lab File: VX008930.D

Acq: 13 Apr 2019 14:35

Instrument :

MSVOA_X

ClientSampled :

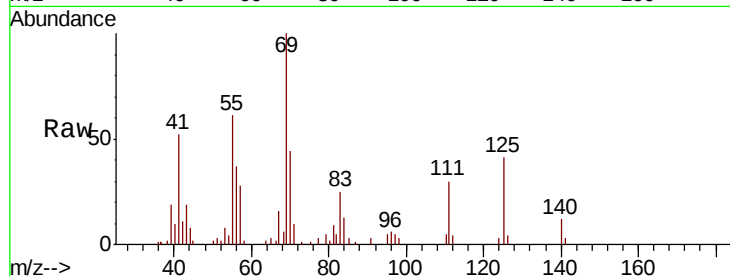
Tot Ion: 83 Resp: 1203

Ion Ratio Lower Upper

83 100

131 0.0 4.5 13.7#

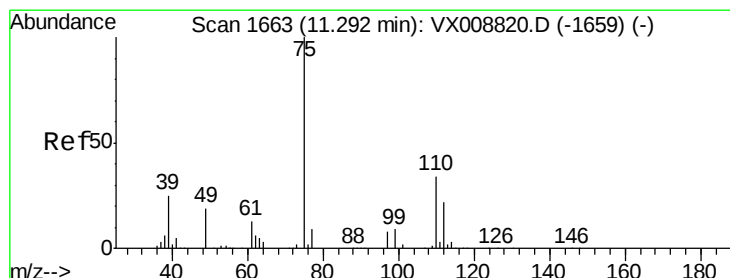
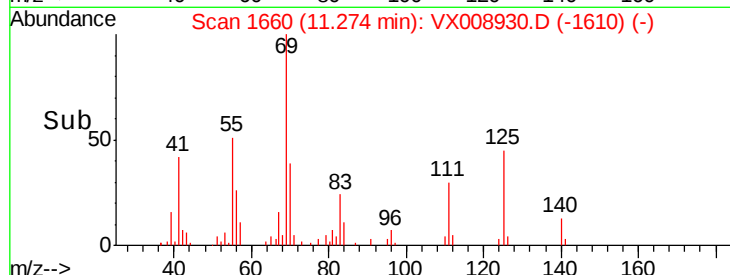
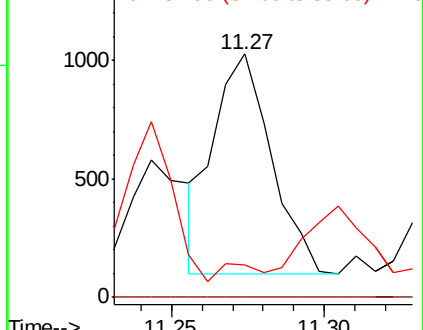
85 0.0 32.0 96.2#



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: 19.591 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX008930.D

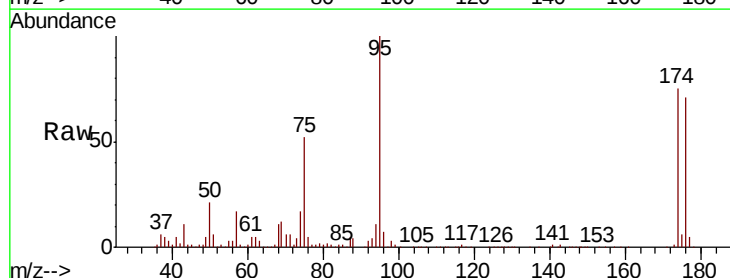
Acq: 13 Apr 2019 14:35

Tgt Ion: 75 Resp: 56563

Ion Ratio Lower Upper

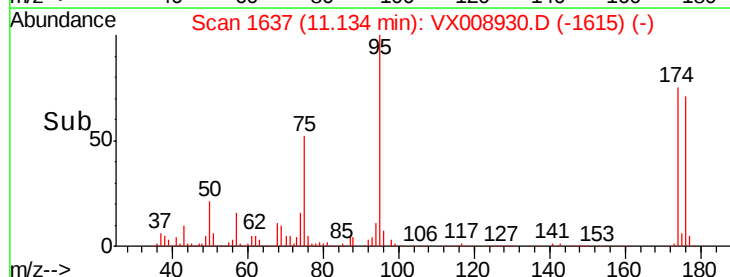
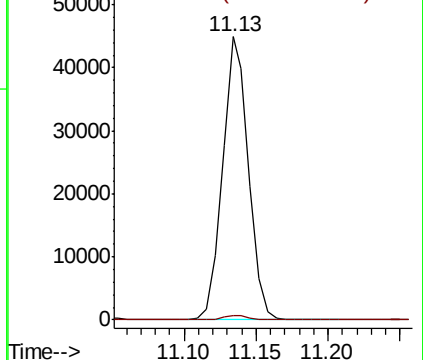
75 100

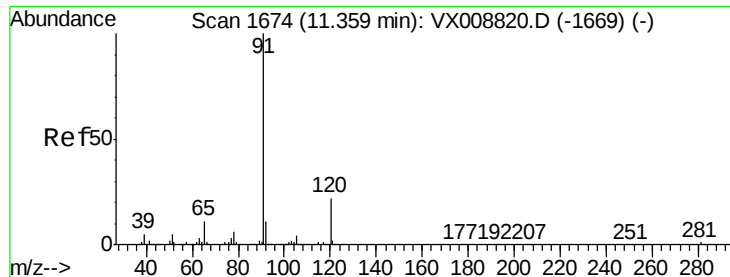
77 1.8 22.3 66.8#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#78

n-propylbenzene

Concen: 0.331 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. -0.00 min

Lab File: VX008930.D

Acq: 13 Apr 2019 14:35

Instrument :

MSVOA_X

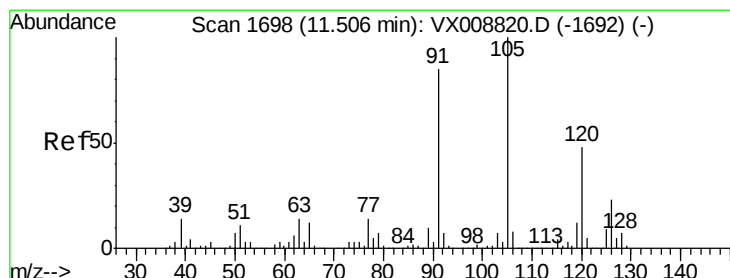
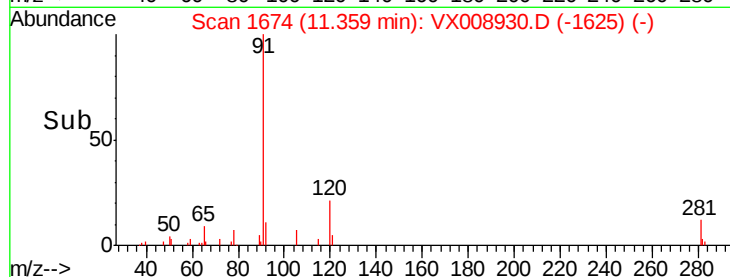
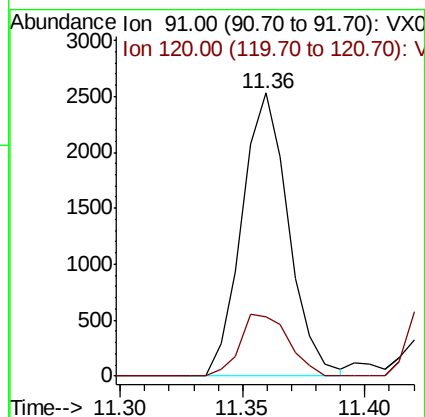
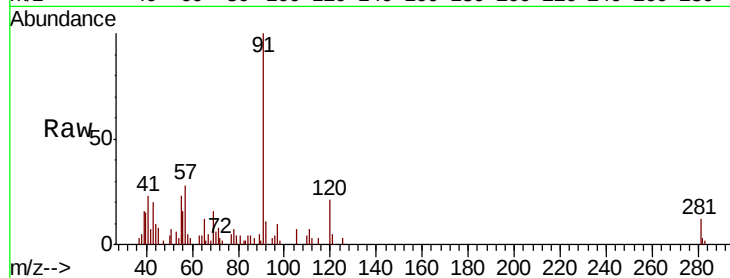
ClientSampleId :

Tot Ion: 91 Resp: 3358

Ion Ratio Lower Upper

91 100

120 22.7 10.9 32.7



#80

1,3,5-Trimethylbenzene

Concen: 1.006 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VX008930.D

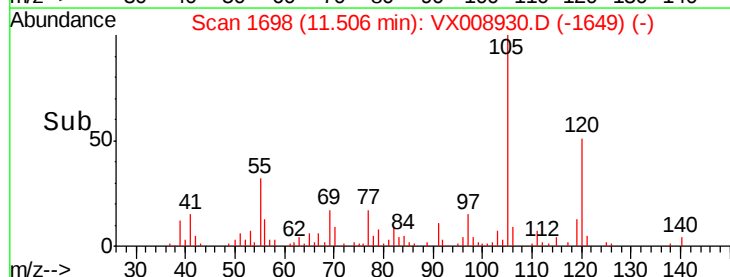
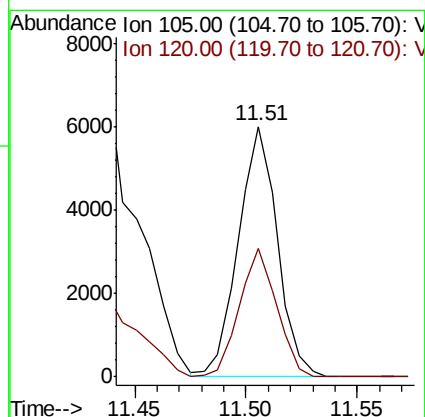
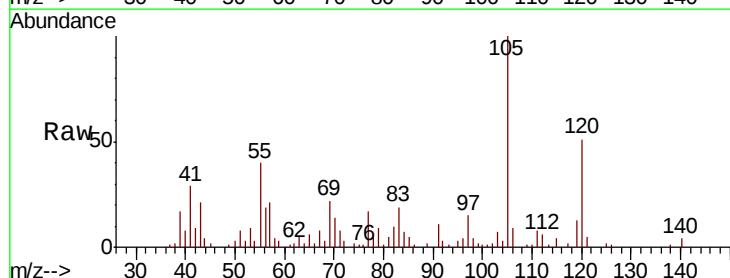
Acq: 13 Apr 2019 14:35

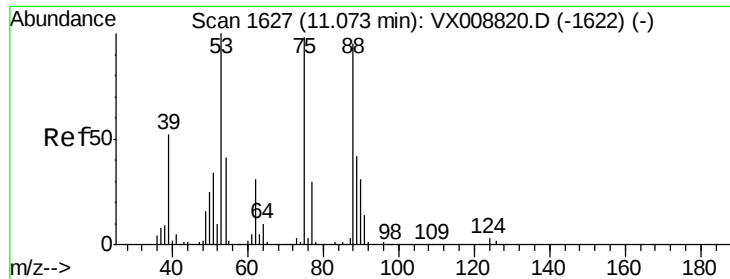
Tgt Ion: 105 Resp: 7356

Ion Ratio Lower Upper

105 100

120 48.8 23.5 70.6





#81

trans-1,4-Dichloro-2-butene

Concen: 54.004 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX008930.D

Acq: 13 Apr 2019 14:35

Instrument :

MSVOA_X

ClientSampleId :

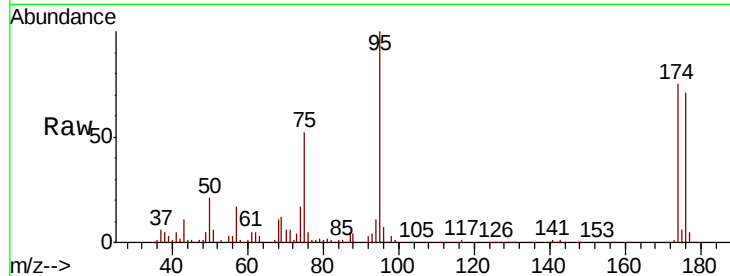
Tot Ion: 75 Resp: 56563

Ion Ratio Lower Upper

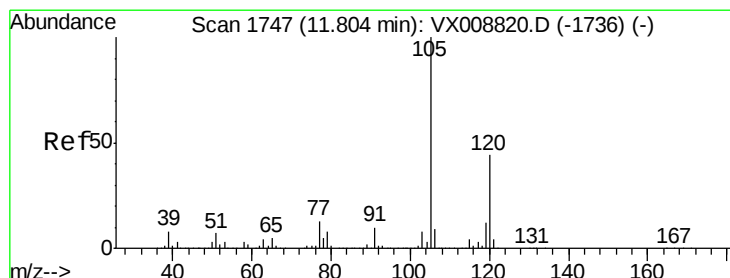
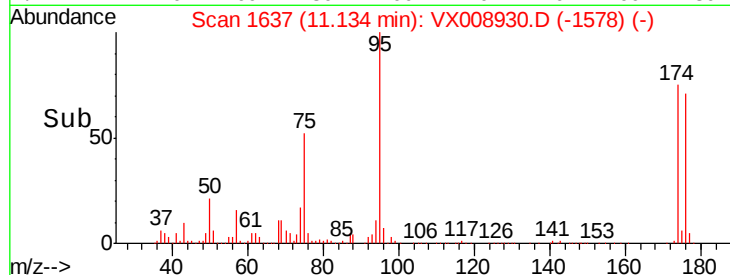
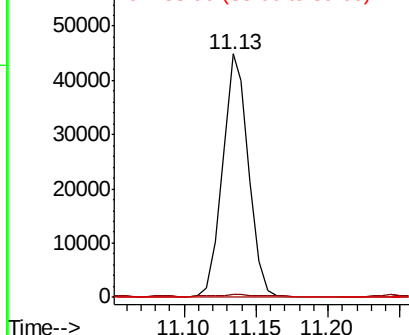
75 100

53 1.0 81.3 121.9#

89 0.0 35.6 53.4#



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



#84

1,2,4-Trimethylbenzene

Concen: 3.928 ug/l

RT: 11.80 min Scan# 1747

Delta R.T. -0.00 min

Lab File: VX008930.D

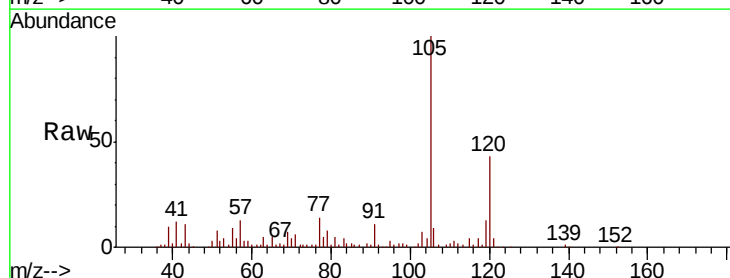
Acq: 13 Apr 2019 14:35

Tgt Ion:105 Resp: 29081

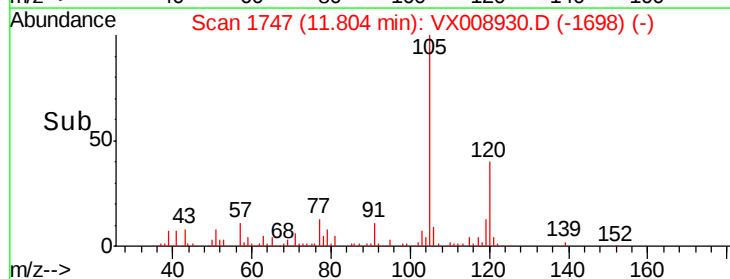
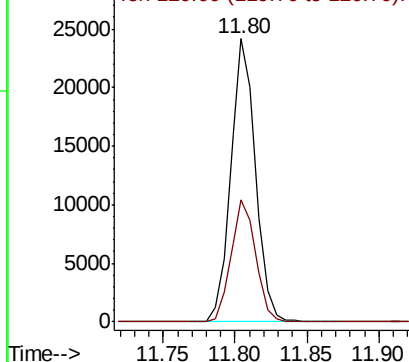
Ion Ratio Lower Upper

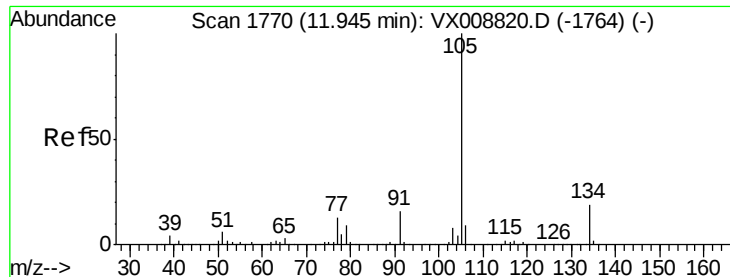
105 100

120 43.0 21.8 65.3



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 0.304 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. -0.00 min

Lab File: VX008930.D

Acq: 13 Apr 2019 14:35

Instrument :

MSVOA_X

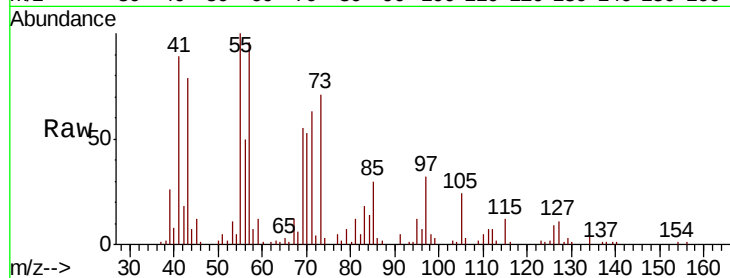
ClientSampled :

Tot Ion:105 Resp: 2543

Ion Ratio Lower Upper

105 100

134 19.2 9.4 28.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

2500

2000

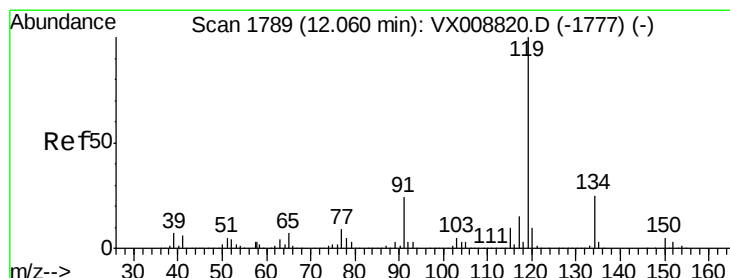
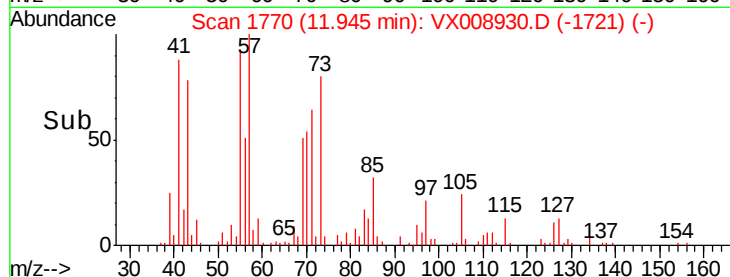
1500

1000

500

0

Time-->



#86

p-Isopropyltoluene

Concen: 0.547 ug/l

RT: 12.02 min Scan# 1783

Delta R.T. -0.04 min

Lab File: VX008930.D

Acq: 13 Apr 2019 14:35

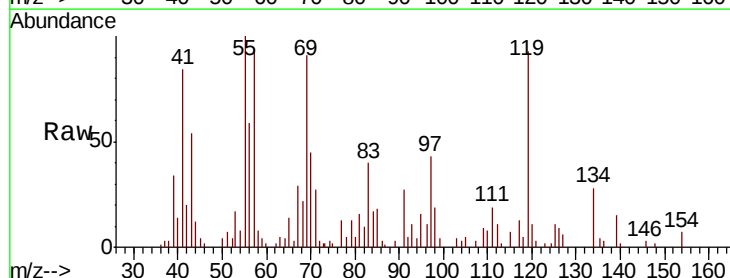
Tgt Ion:119 Resp: 4105

Ion Ratio Lower Upper

119 100

134 26.5 12.8 38.4

91 28.4 12.2 36.6



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): VX0

4000

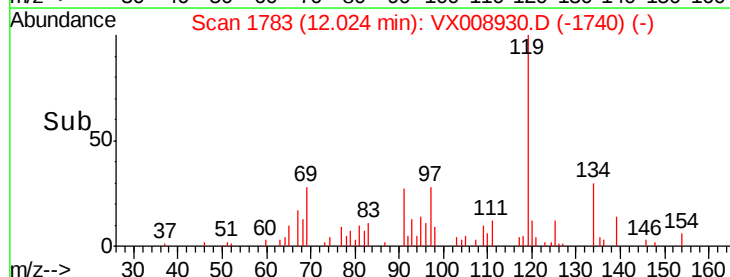
3000

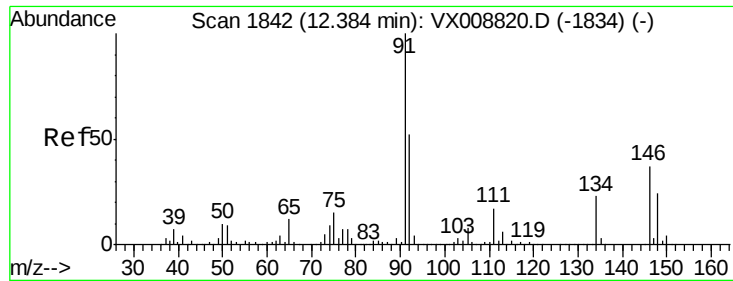
2000

1000

0

Time-->

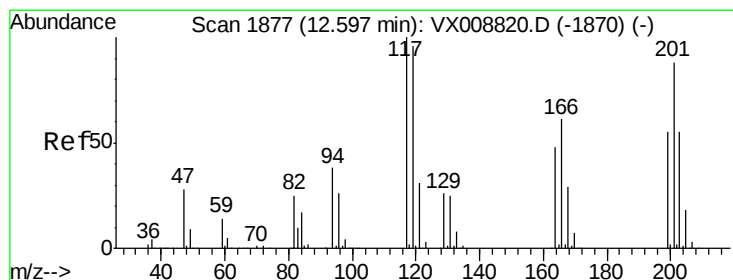
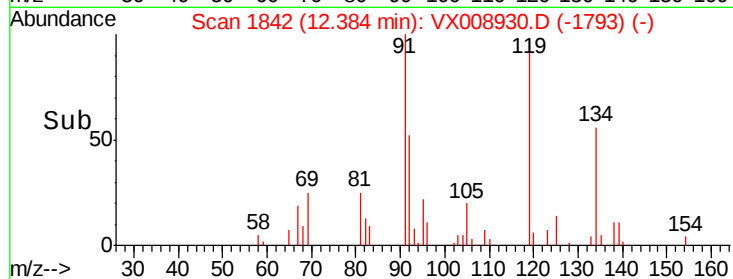
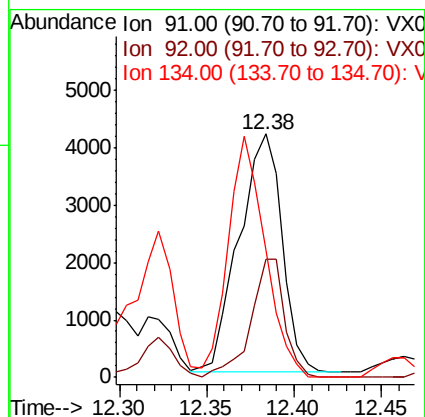
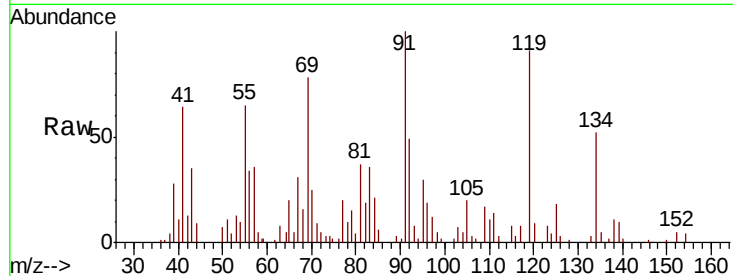




#89
n-Butylbenzene
Concen: 1.015 ug/l
RT: 12.38 min Scan# 1842
Delta R.T. -0.00 min
Lab File: VX008930.D
Acq: 13 Apr 2019 14:35

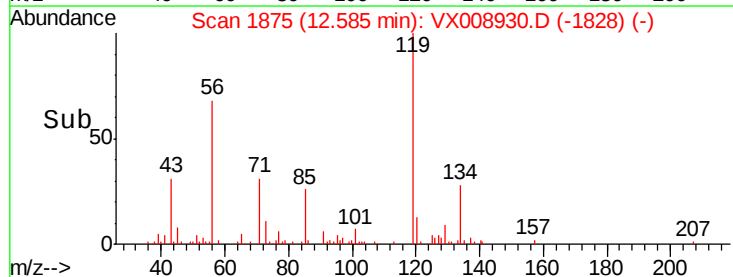
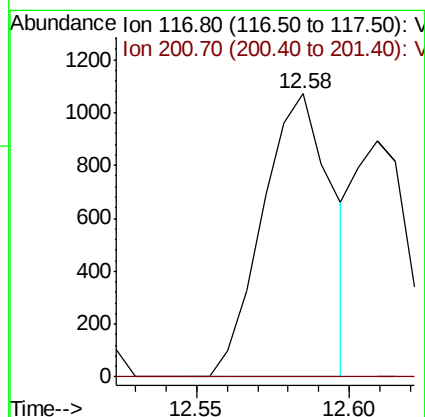
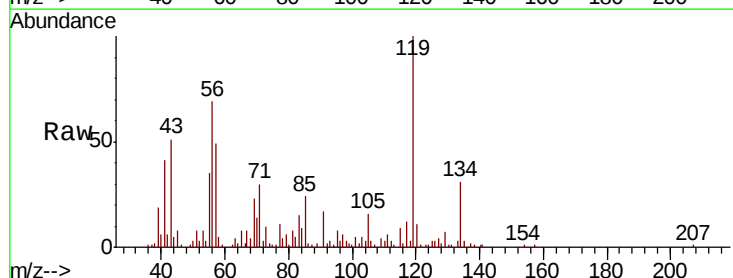
Instrument :
MSVOA_X
ClientSampled :

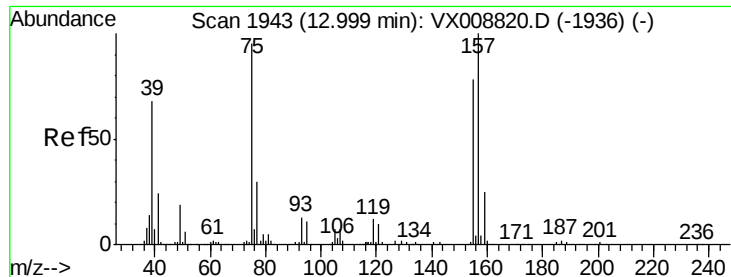
Tot Ion: 91 Resp: 7139
Ion Ratio Lower Upper
91 100
92 39.0 26.4 79.2
134 86.6 12.0 36.0#



#90
Hexachloroethane
Concen: 1.357 ug/l
RT: 12.58 min Scan# 1875
Delta R.T. -0.01 min
Lab File: VX008930.D
Acq: 13 Apr 2019 14:35

Tgt Ion: 117 Resp: 1688
Ion Ratio Lower Upper
117 100
201 0.0 40.6 122.0#





#92

1,2-Dibromo-3-Chloropropane

Concen: 0.269 ug/l

RT: 12.98 min Scan# 1940

Delta R.T. -0.02 min

Lab File: VX008930.D

Acq: 13 Apr 2019 14:35

Instrument :

MSVOA_X

ClientSampleId :

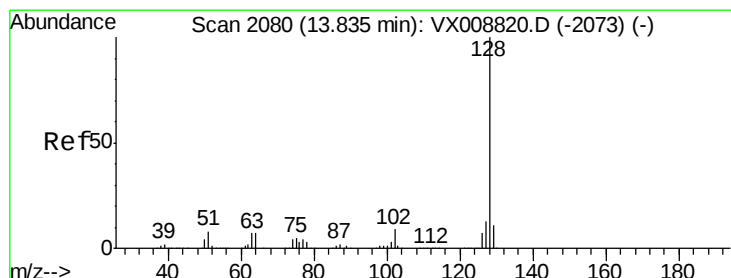
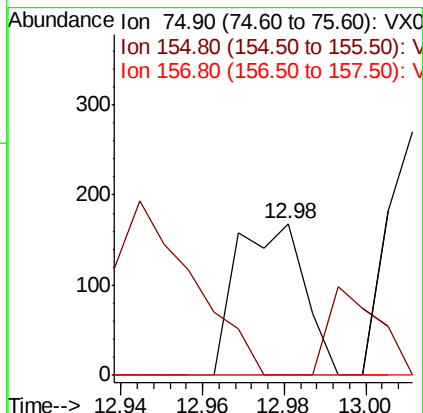
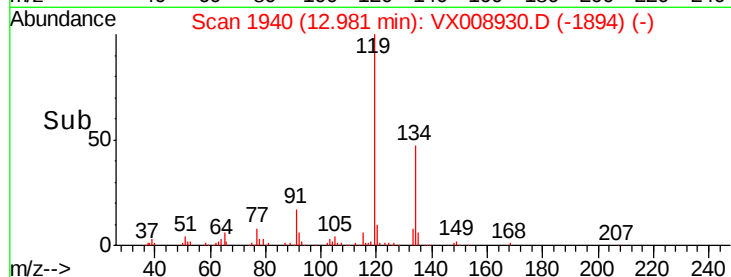
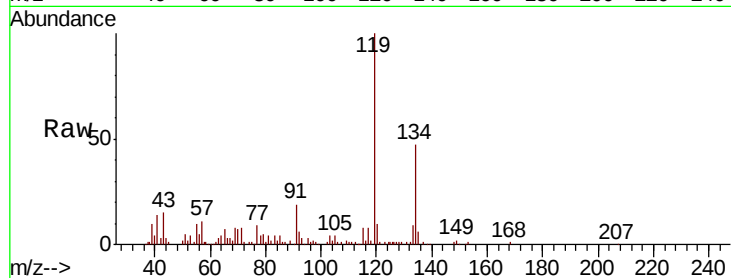
Tot Ion: 75 Resp: 196

Ion Ratio Lower Upper

75 100

155 42.3 39.9 119.6

157 0.0 51.5 154.7#



#95

Naphthalene

Concen: 6.190 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. -0.00 min

Lab File: VX008930.D

Acq: 13 Apr 2019 14:35

Tgt Ion: 128 Resp: 53538

Ion Ratio Lower Upper

128 100

127 14.3 10.4 15.6

129 11.4 8.6 13.0

