

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX111518\
 Data File : VX006030.D
 Acq On : 15 Nov 2018 19:46
 Operator : JC/MD
 Sample : J5911-07
 Misc : 5.00µ/10mL/100µL/5.00mL/MSVOA_X/MEOH
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Nov 16 00:19:58 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X110718W.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 07 14:40:53 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	146907	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	208456	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	188230	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	125236	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	82788	49.02	ug/l	0.00
Spiked Amount			Recovery	=	98.04%	
35) Dibromofluoromethane	5.51	113	68205	48.11	ug/l	0.00
Spiked Amount			Recovery	=	96.22%	
50) Toluene-d8	8.71	98	244424	51.85	ug/l	0.00
Spiked Amount			Recovery	=	103.70%	
62) 4-Bromofluorobenzene	11.14	95	89293	52.69	ug/l	0.00
Spiked Amount			Recovery	=	105.38%	

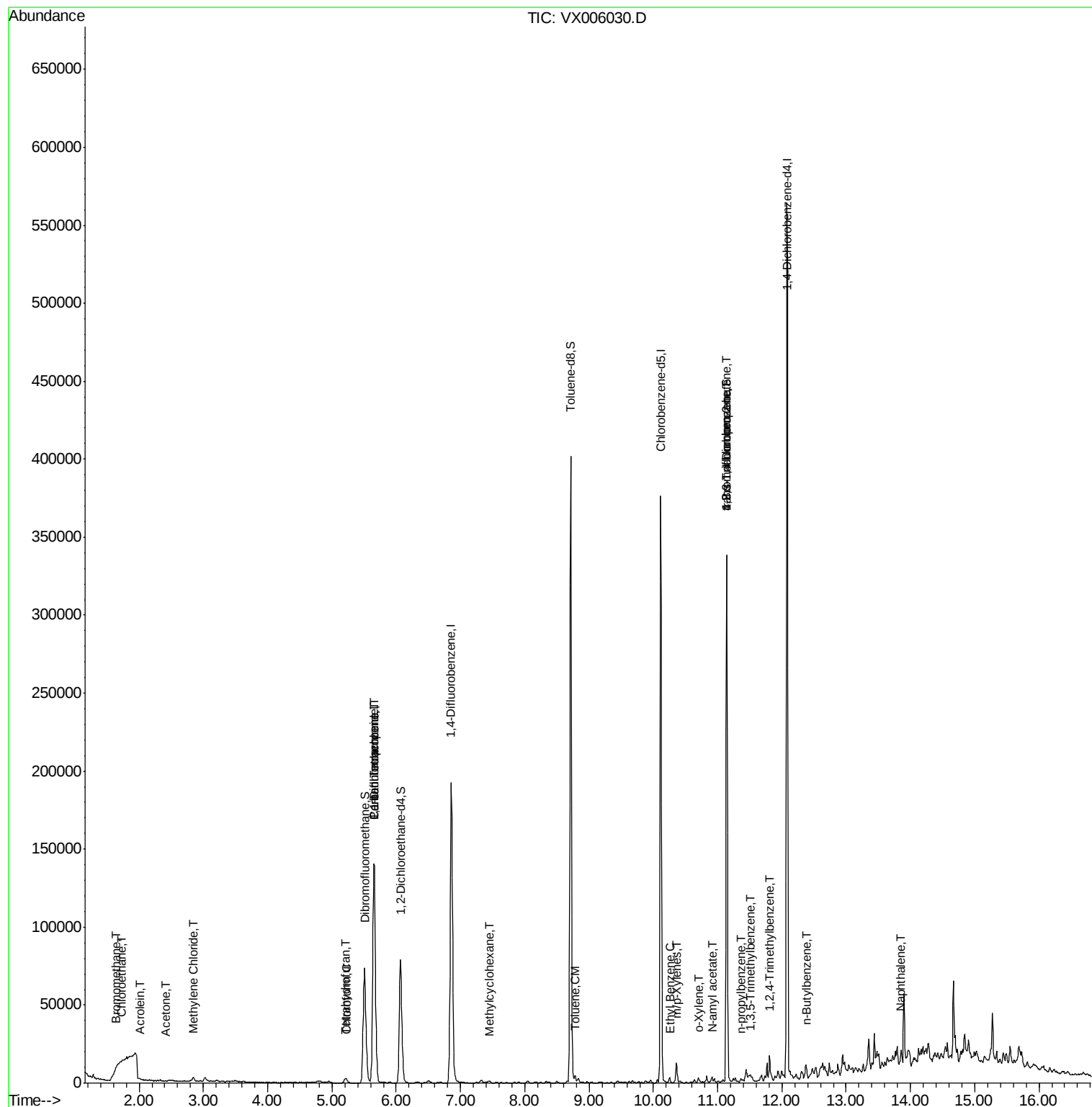
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.64	94	517	0.484	ug/l #	71
6) Chloroethane	1.72	64	243	0.233	ug/l #	42
13) Acrolein	2.01	56	23	19.256	ug/l #	1
16) Acetone	2.41	43	186	0.205	ug/l #	45
18) Methyl Acetate	2.81	43	310	Below Cal	#	85
20) Methylene Chloride	2.84	84	1033	0.692	ug/l #	87
29) Tetrahydrofuran	5.21	42	825	0.899	ug/l #	70
30) Chloroform	5.21	83	2985	1.142	ug/l	96
36) 1,1-Dichloropropene	5.65	75	10087	5.019	ug/l #	49
38) Carbon Tetrachloride	5.65	117	13352	6.637	ug/l #	16
39) Methylcyclohexane	7.46	83	652	0.320	ug/l #	86
52) Toluene	8.78	92	1573	0.480	ug/l	92
67) Ethyl Benzene	10.25	91	1973	0.326	ug/l	96
68) m/p-Xylenes	10.36	106	2933	1.272	ug/l	98
69) o-Xylene	10.70	106	732	0.354	ug/l	95
74) N-amyl acetate	10.91	43	326	1.329	ug/l #	1
76) 1,2,3-Trichloropropane	11.14	75	43459	17.042	ug/l #	36
78) n-propylbenzene	11.36	91	1741	0.204	ug/l	93
80) 1,3,5-Trimethylbenzene	11.51	105	1764	0.287	ug/l	94
81) trans-1,4-Dichloro-2-buten	11.14	75	43459	54.316	ug/l #	9
84) 1,2,4-Trimethylbenzene	11.81	105	6143	0.786	ug/l	96
89) n-Butylbenzene	12.39	91	1466	0.235	ug/l #	52
95) Naphthalene	13.84	128	2403	1.438	ug/l #	83

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

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Instrument :
MSVOA_X
ClientSampled :

Quant Time: Nov 16 00:19:58 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X110718W.M
Quant Title : SW846 8260
QLast Update : Wed Nov 07 14:40:53 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 738

Delta R.T. -0.01 min

Lab File: VX006030.D

Acq: 15 Nov 2018 19:46

Instrument :

MSVOA_X

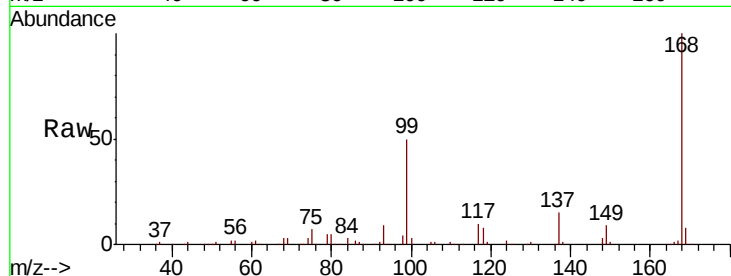
ClientSampled :

Tot Ion:168 Resp: 146907

Ion Ratio Lower Upper

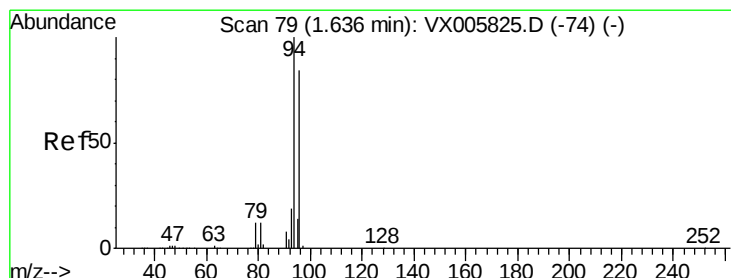
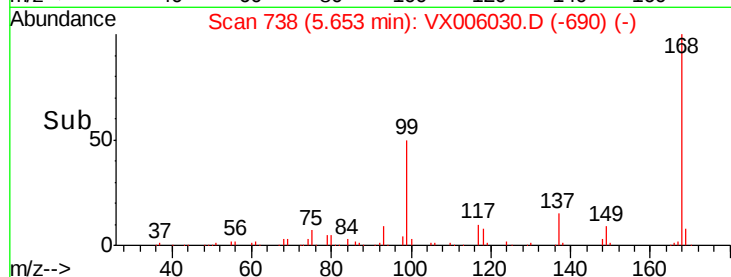
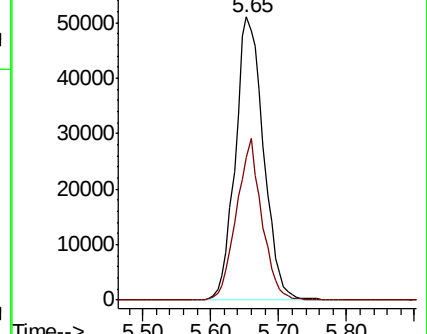
168 100

99 50.3 40.7 61.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#5

Bromomethane

Concen: 0.484 ug/l

RT: 1.64 min Scan# 79

Delta R.T. -0.00 min

Lab File: VX006030.D

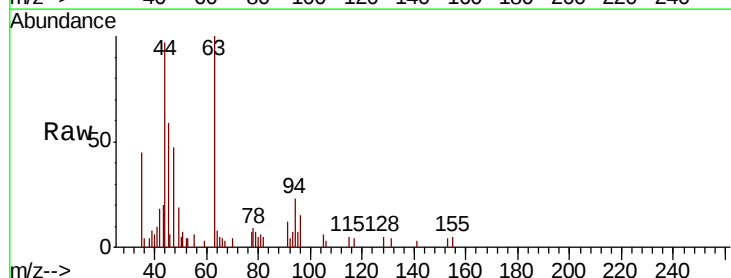
Acq: 15 Nov 2018 19:46

Tgt Ion: 94 Resp: 517

Ion Ratio Lower Upper

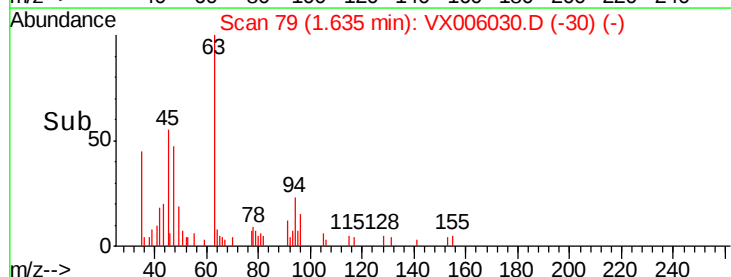
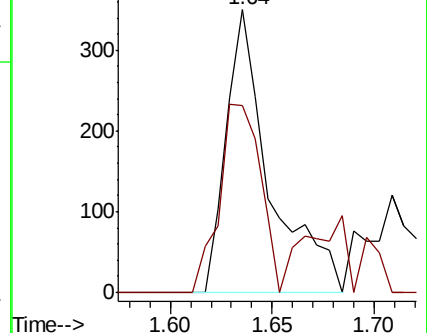
94 100

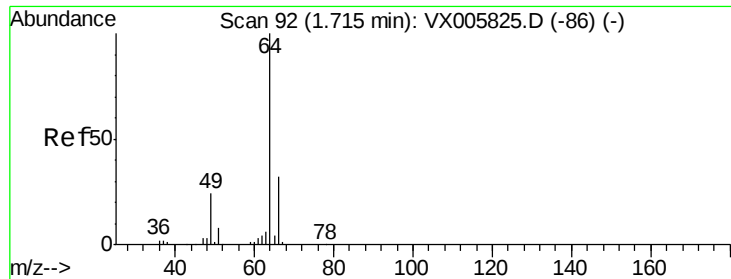
96 66.3 75.2 112.8#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0





#6

Chloroethane

Concen: 0.233 ug/l

RT: 1.72 min Scan# 93

Delta R.T. 0.01 min

Lab File: VX006030.D

Acq: 15 Nov 2018 19:46

Instrument :

MSVOA_X

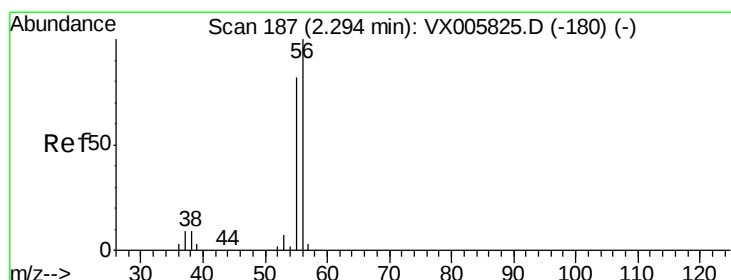
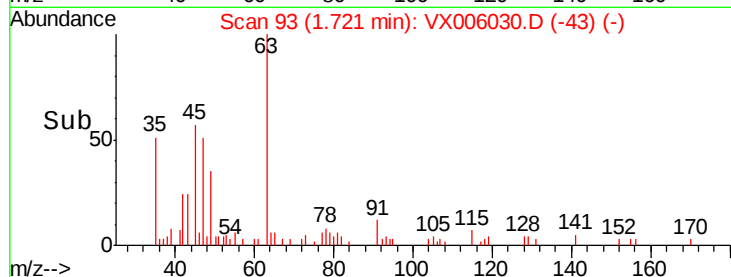
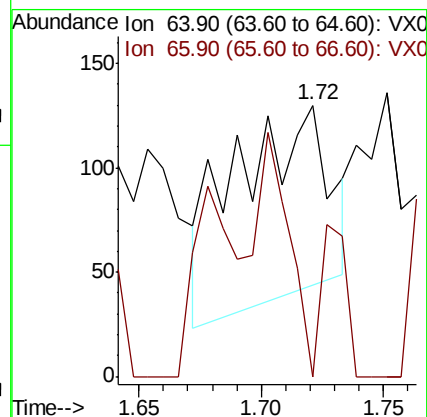
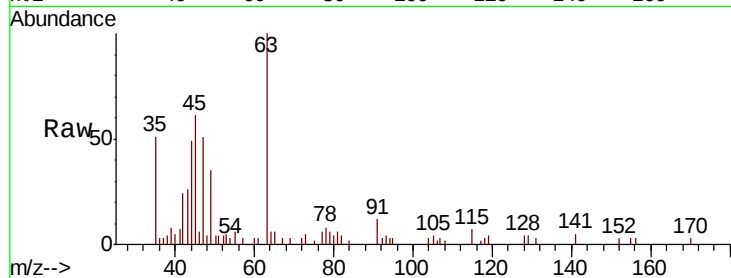
ClientSampled :

Tot Ion: 64 Resp: 243

Ion Ratio Lower Upper

64 100

66 0.0 25.8 38.6#



#13

Acrolein

Concen: 19.256 ug/l

RT: 2.01 min Scan# 141

Delta R.T. -0.28 min

Lab File: VX006030.D

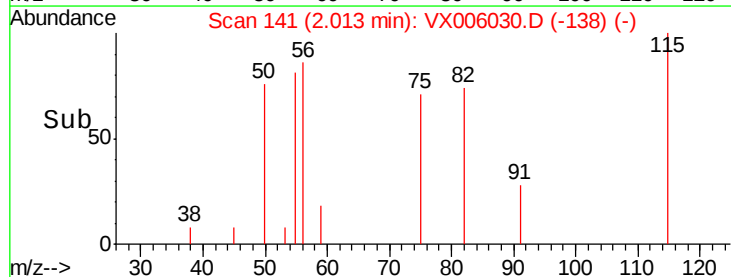
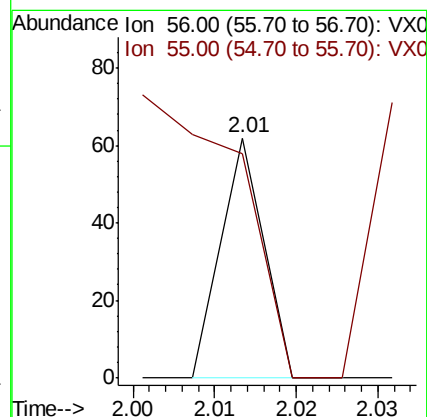
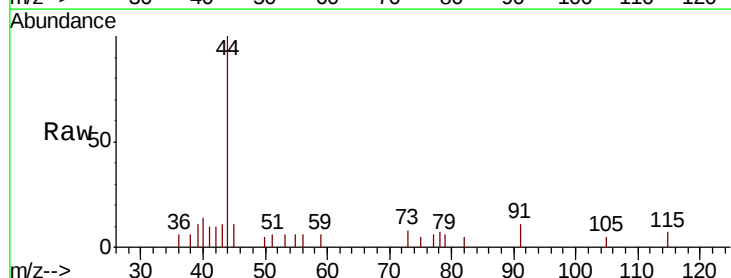
Acq: 15 Nov 2018 19:46

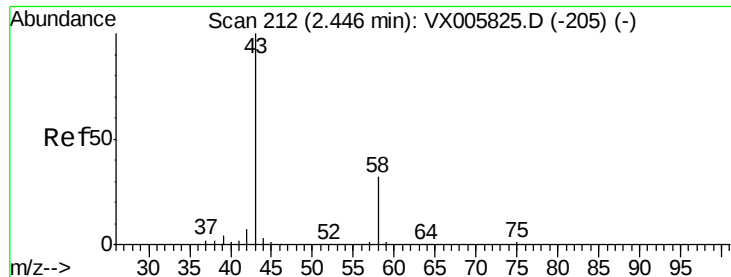
Tgt Ion: 56 Resp: 23

Ion Ratio Lower Upper

56 100

55 482.6 57.3 85.9#





#16

Acetone

Concen: 0.205 ug/l

RT: 2.41 min Scan# 206

Delta R.T. -0.04 min

Lab File: VX006030.D

Acq: 15 Nov 2018 19:46

Instrument :

MSVOA_X

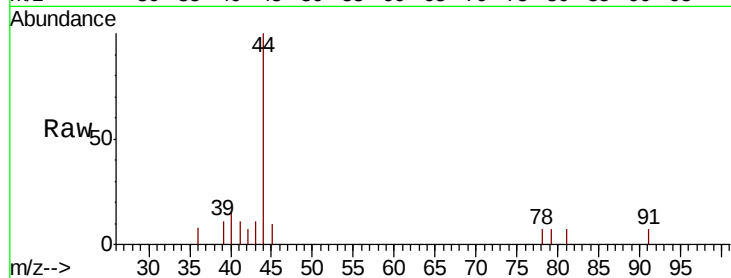
ClientSampled :

Tot Ion: 43 Resp: 186

Ion Ratio Lower Upper

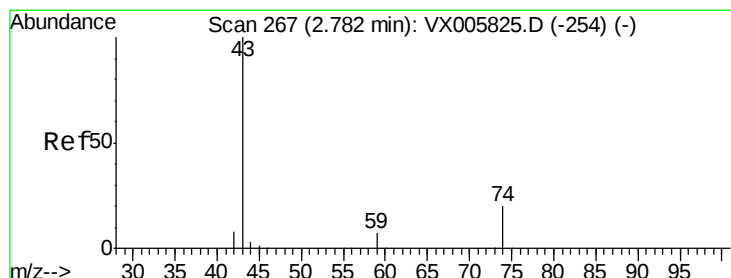
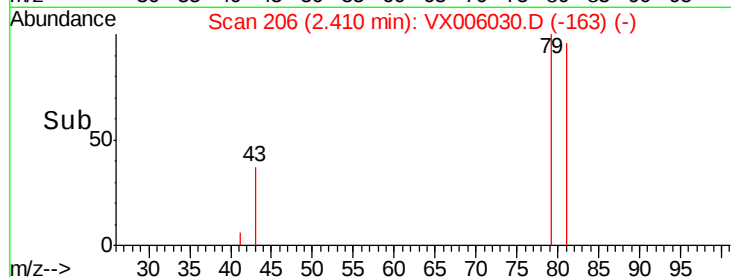
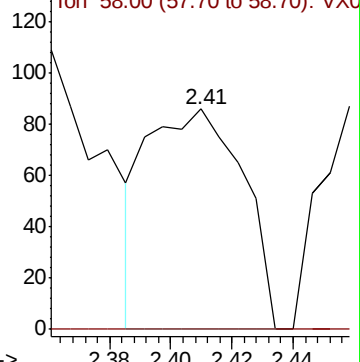
43 100

58 0.0 23.8 35.6#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#18

Methyl Acetate

Concen: Below Cal

RT: 2.81 min Scan# 271

Delta R.T. 0.02 min

Lab File: VX006030.D

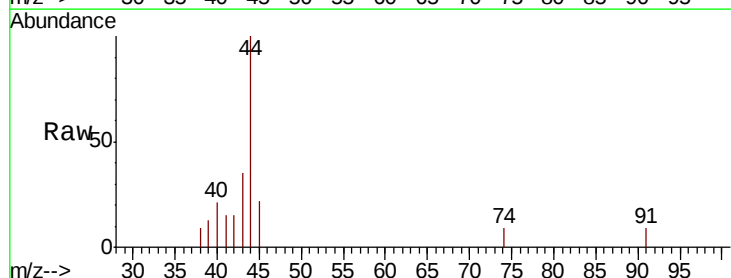
Acq: 15 Nov 2018 19:46

Tgt Ion: 43 Resp: 310

Ion Ratio Lower Upper

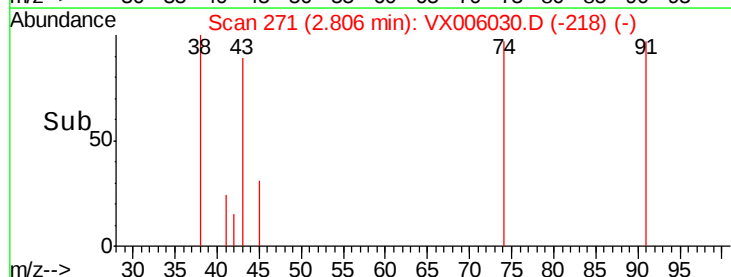
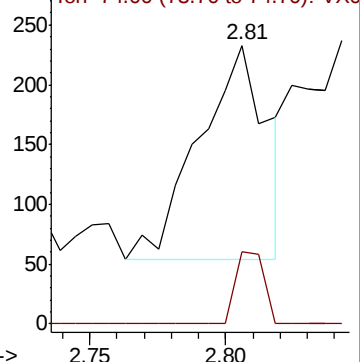
43 100

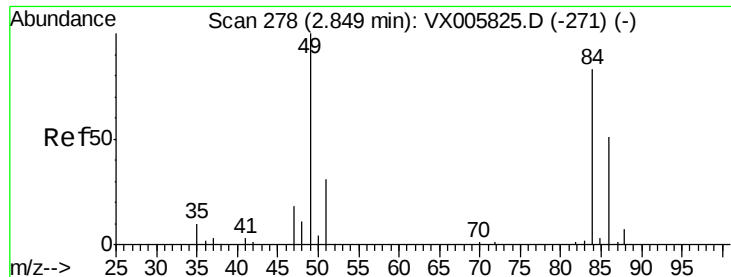
74 13.9 16.8 25.2#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

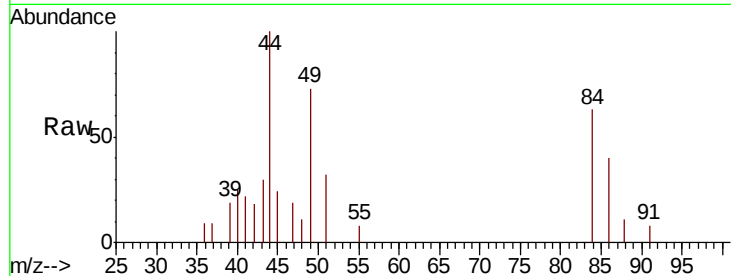




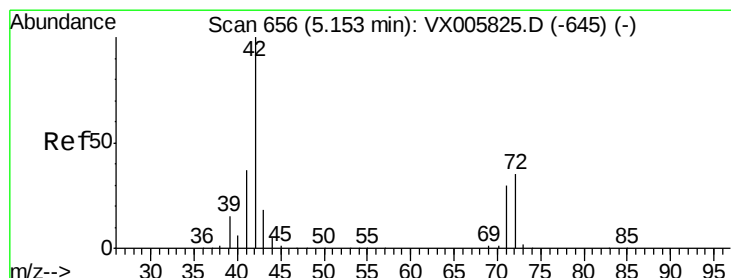
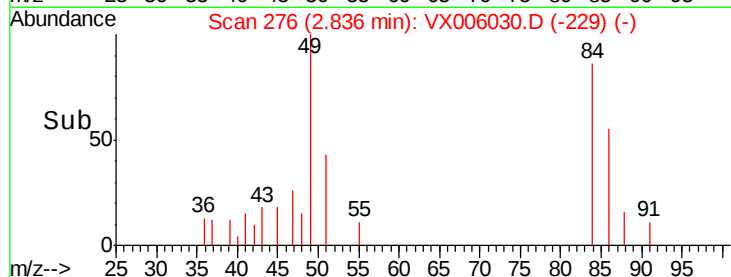
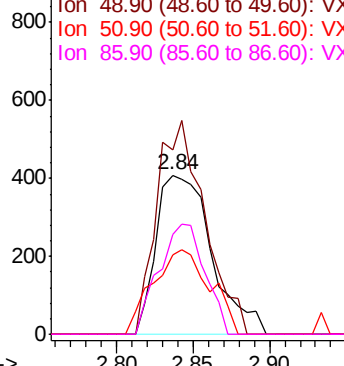
#20
Methvlene Chloride
Concen: 0.692 ug/l
RT: 2.84 min Scan# 276
Delta R.T. -0.01 min
Lab File: VX006030.D
Acq: 15 Nov 2018 19:46

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 84 Resp: 1033
Ion Ratio Lower Upper
84 100
49 115.9 109.5 164.3
51 50.2 33.3 49.9#
86 63.2 52.7 79.1

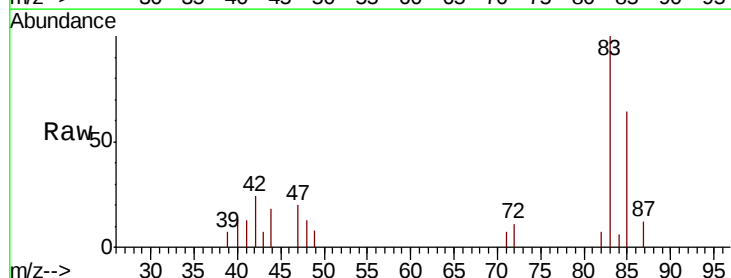


Abundance Ion 83.90 (83.60 to 84.60): VX0
Ion 48.90 (48.60 to 49.60): VX0
Ion 50.90 (50.60 to 51.60): VX0
Ion 85.90 (85.60 to 86.60): VX0

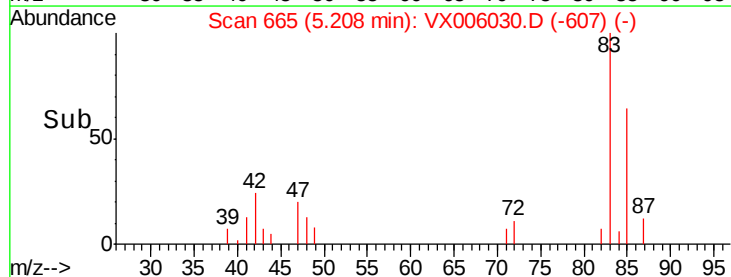
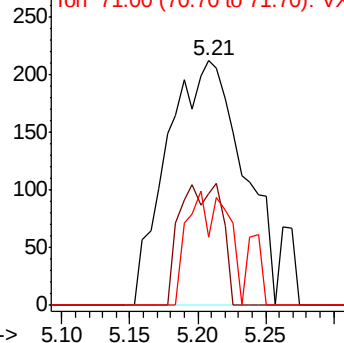


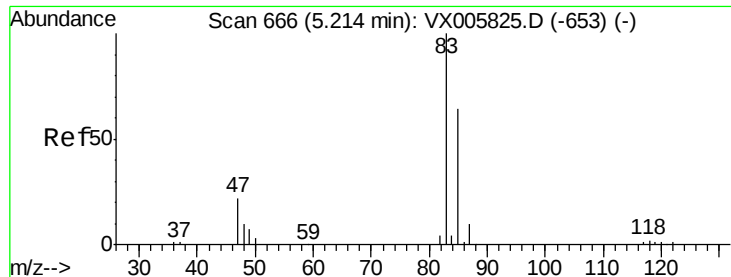
#29
Tetrahydrofuran
Concen: 0.899 ug/l
RT: 5.21 min Scan# 665
Delta R.T. 0.05 min
Lab File: VX006030.D
Acq: 15 Nov 2018 19:46

Tgt Ion: 42 Resp: 825
Ion Ratio Lower Upper
42 100
72 27.5 32.0 48.0#
71 13.7 29.8 44.8#



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

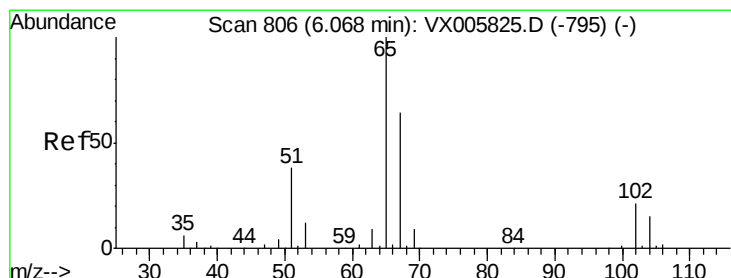
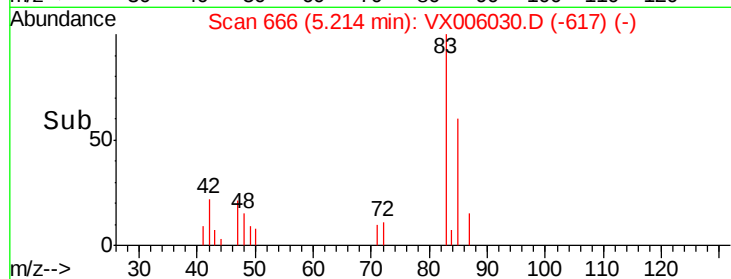
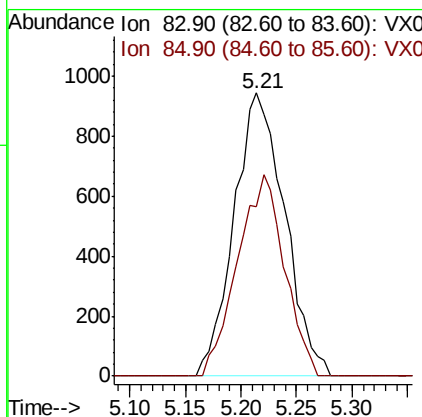
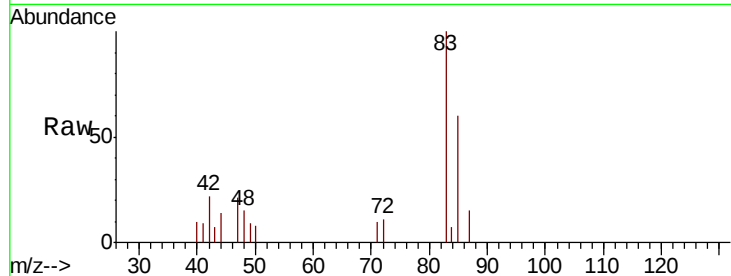




#30
Chloroform
Concen: 1.142 ug/l
RT: 5.21 min Scan# 666
Delta R.T. -0.00 min
Lab File: VX006030.D
Acq: 15 Nov 2018 19:46

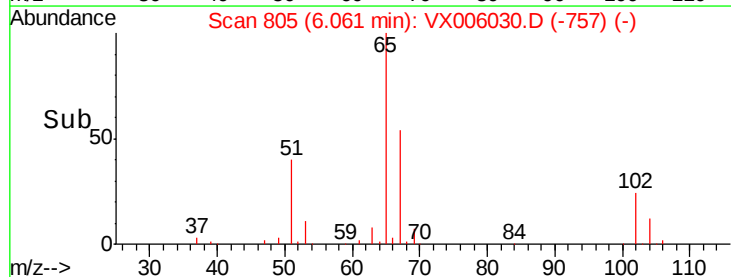
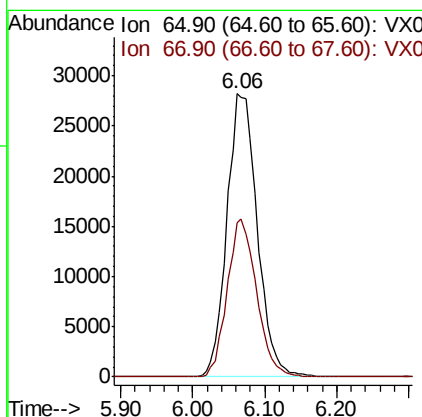
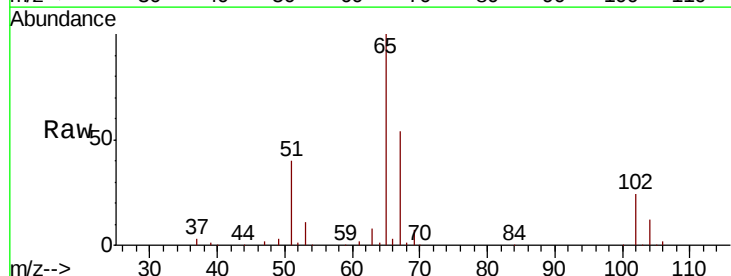
Instrument :
MSVOA_X
ClientSampled :

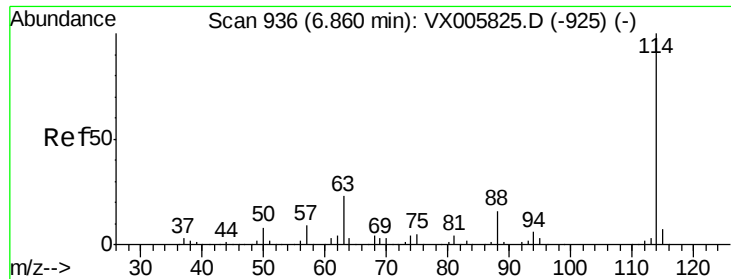
Tot Ion: 83 Resp: 2985
Ion Ratio Lower Upper
83 100
85 60.1 50.6 76.0



#33
1,2-Dichloroethane-d4
Concen: 49.019 ug/l
RT: 6.06 min Scan# 805
Delta R.T. -0.01 min
Lab File: VX006030.D
Acq: 15 Nov 2018 19:46

Tgt Ion: 65 Resp: 82788
Ion Ratio Lower Upper
65 100
67 54.0 0.0 105.0

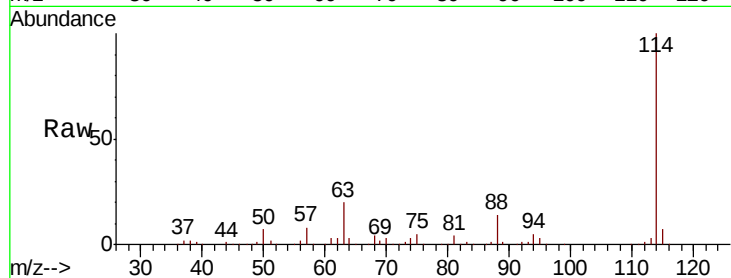




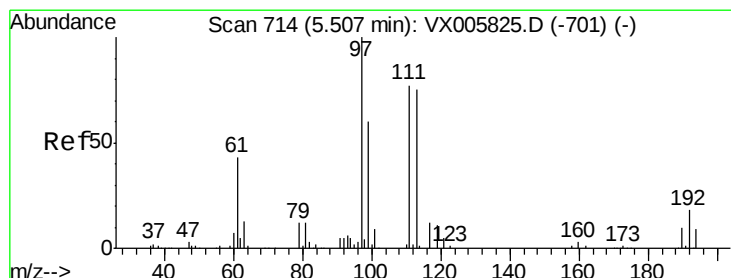
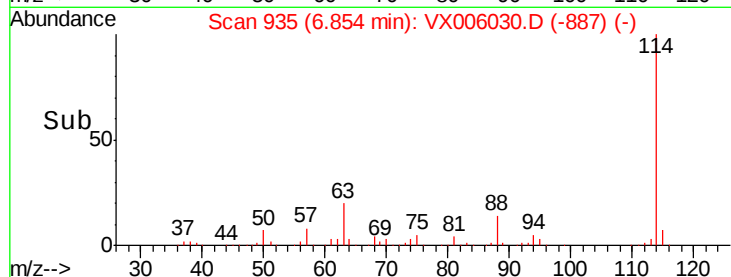
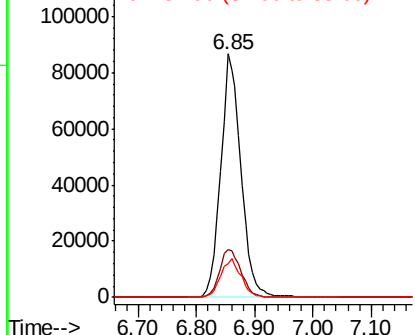
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.85 min Scan# 935
Delta R.T. -0.01 min
Lab File: VX006030.D
Acq: 15 Nov 2018 19:46

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:114 Resp: 208456
Ion Ratio Lower Upper
114 100
63 19.6 0.0 42.8
88 14.1 0.0 31.2

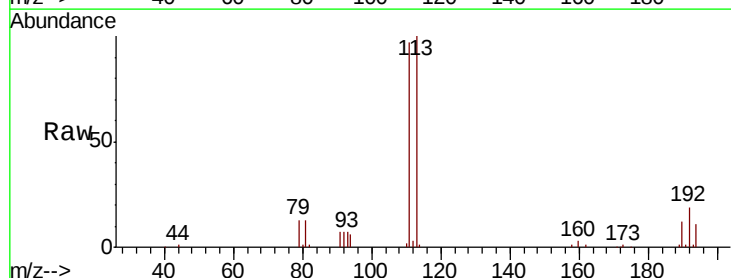


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VX0
Ion 87.90 (87.60 to 88.60): VX0

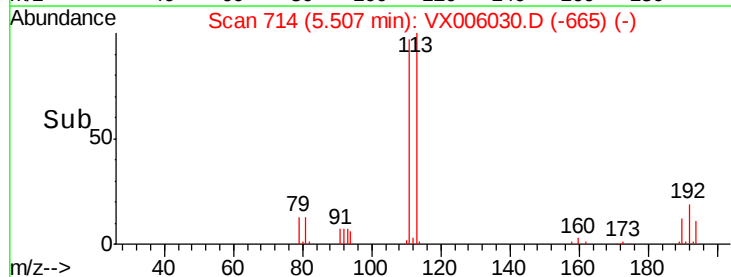
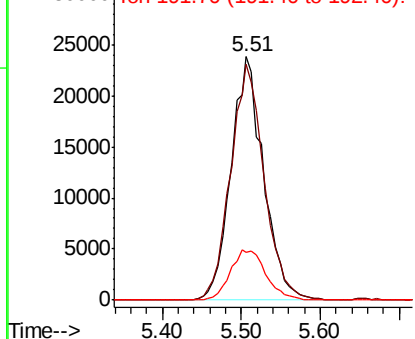


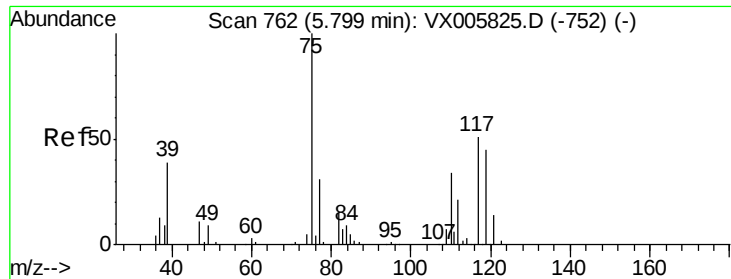
#35
Dibromofluoromethane
Concen: 48.106 ug/l
RT: 5.51 min Scan# 714
Delta R.T. -0.00 min
Lab File: VX006030.D
Acq: 15 Nov 2018 19:46

Tgt Ion:113 Resp: 68205
Ion Ratio Lower Upper
113 100
111 100.3 82.3 123.5
192 22.5 17.9 26.9



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: 5.019 ug/l

RT: 5.65 min Scan# 737

Delta R.T. -0.15 min

Lab File: VX006030.D

Acq: 15 Nov 2018 19:46

Instrument :

MSVOA_X

ClientSampleId :

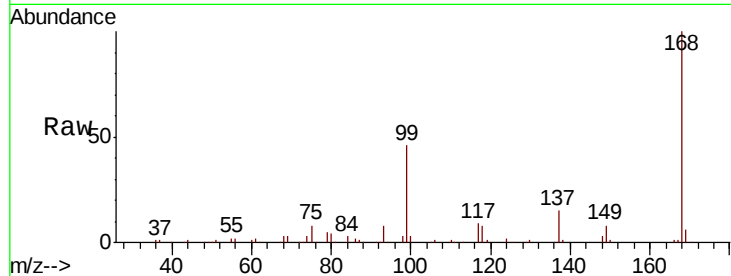
Tot Ion: 75 Resp: 10087

Ion Ratio Lower Upper

75 100

110 8.6 17.4 52.2#

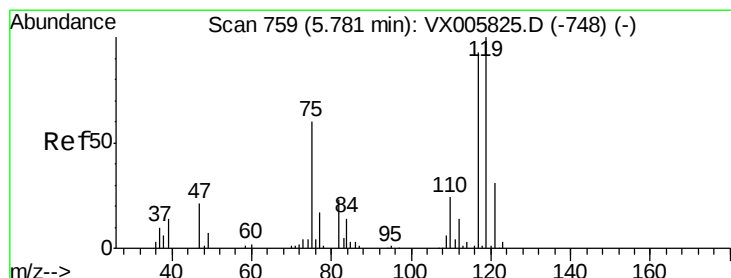
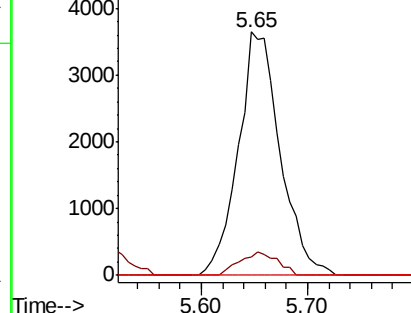
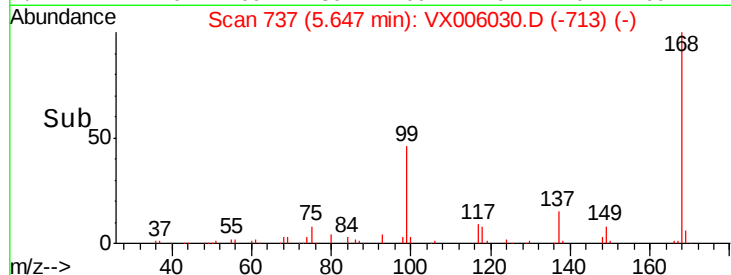
77 0.0 25.8 38.6#



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



#38

Carbon Tetrachloride

Concen: 6.637 ug/l

RT: 5.65 min Scan# 738

Delta R.T. -0.13 min

Lab File: VX006030.D

Acq: 15 Nov 2018 19:46

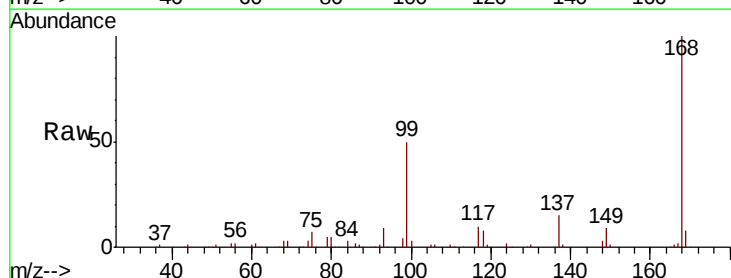
Tgt Ion: 117 Resp: 13352

Ion Ratio Lower Upper

117 100

119 6.0 78.1 117.1#

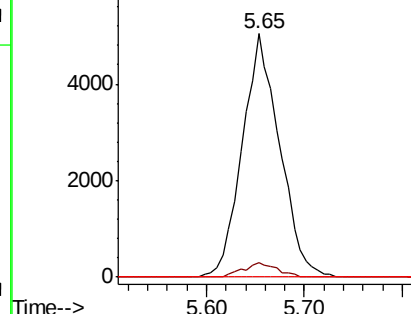
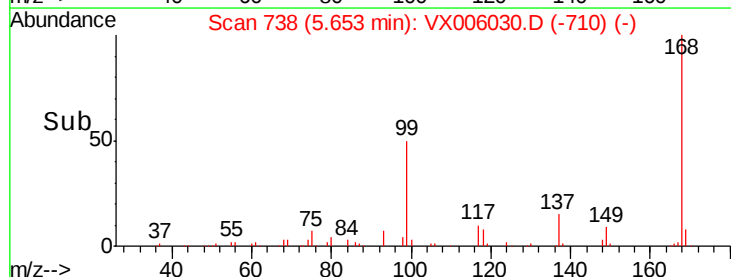
121 0.0 24.6 36.8#

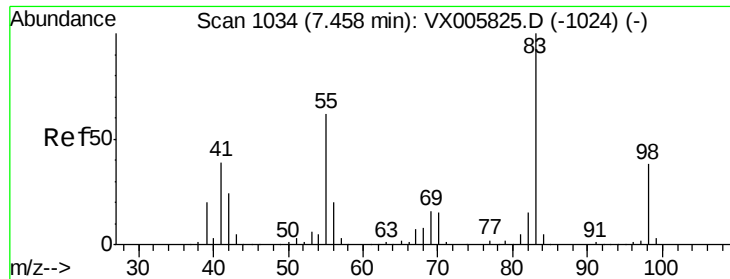


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V

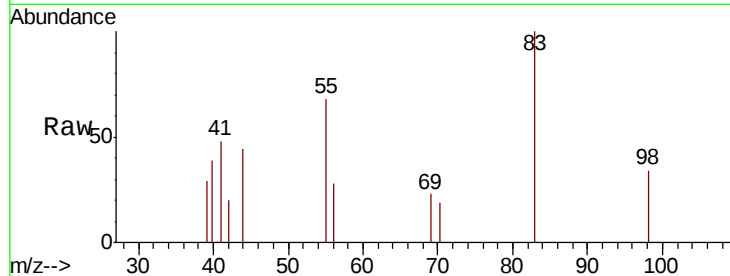




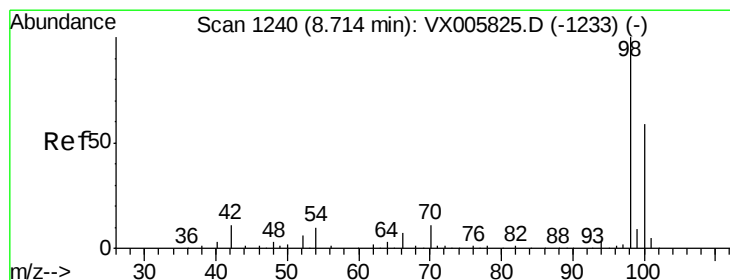
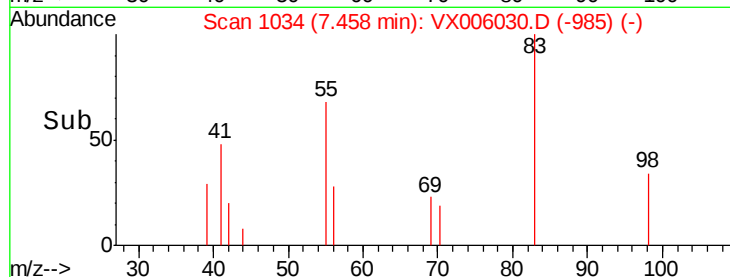
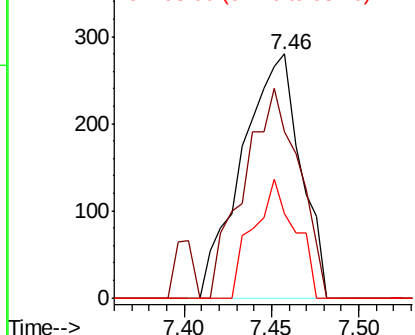
#39
Methvlcvclohexane
Concen: 0.320 ug/l
RT: 7.46 min Scan# 1034
Delta R.T. -0.00 min
Lab File: VX006030.D
Acq: 15 Nov 2018 19:46

Instrument :
MSVOA_X
ClientSampled :

Tot Ion: 83 Resp: 652
Ion Ratio Lower Upper
83 100
55 68.2 63.7 95.5
98 34.3 36.2 54.2#

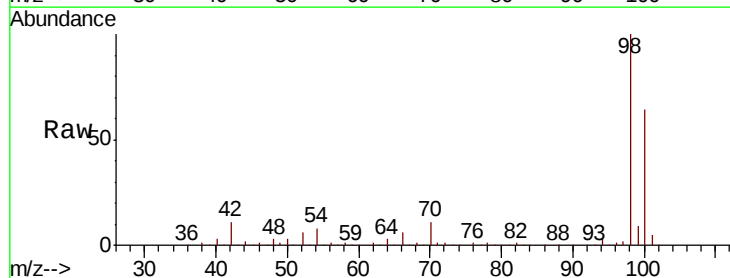


Abundance Ion 83.00 (82.70 to 83.70): VX0
Ion 55.00 (54.70 to 55.70): VX0
Ion 98.00 (97.70 to 98.70): VX0

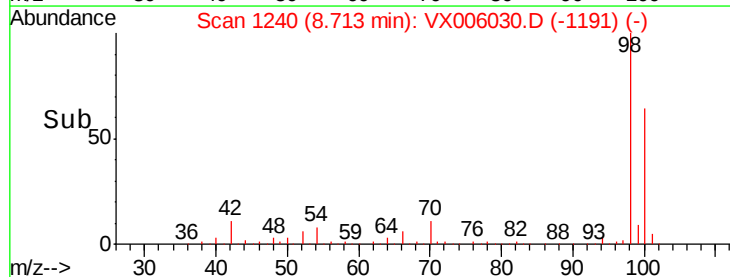
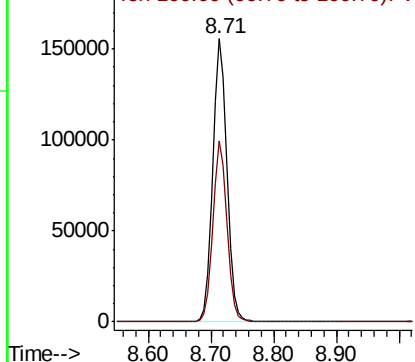


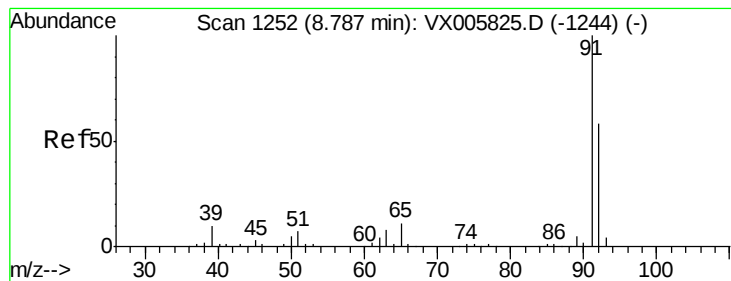
#50
Toluene-d8
Concen: 51.855 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX006030.D
Acq: 15 Nov 2018 19:46

Tgt Ion: 98 Resp: 244424
Ion Ratio Lower Upper
98 100
100 63.3 51.3 76.9



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





#52

Toluene

Concen: 0.480 ug/l

RT: 8.78 min Scan# 1251

Delta R.T. -0.01 min

Lab File: VX006030.D

Acq: 15 Nov 2018 19:46

Instrument :

MSVOA_X

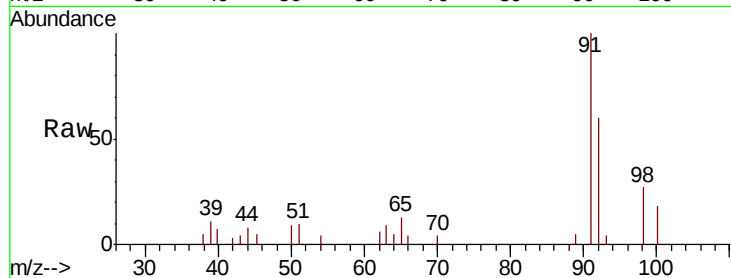
ClientSampleId :

Tot Ion: 92 Resp: 1573

Ion Ratio Lower Upper

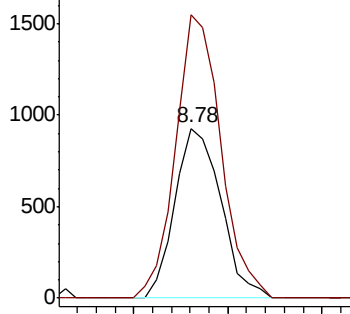
92 100

91 163.9 140.4 210.6

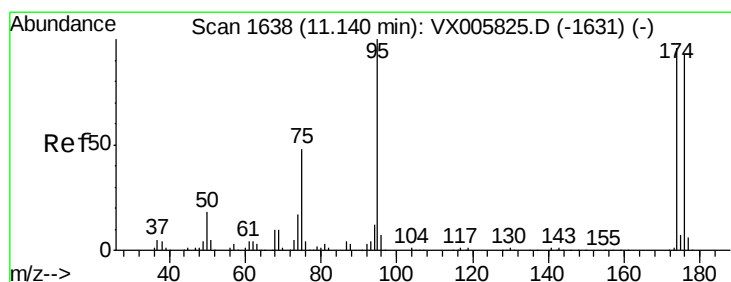
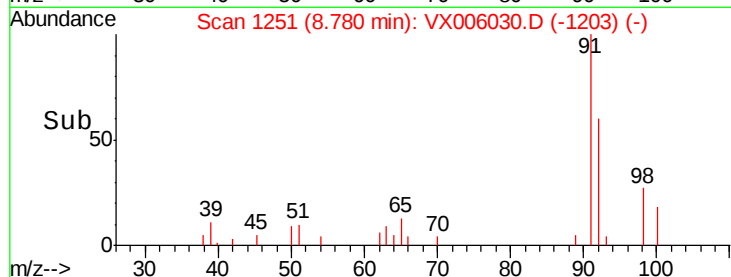


Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0



Time-->



#62

4-Bromofluorobenzene

Concen: 52.689 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. -0.00 min

Lab File: VX006030.D

Acq: 15 Nov 2018 19:46

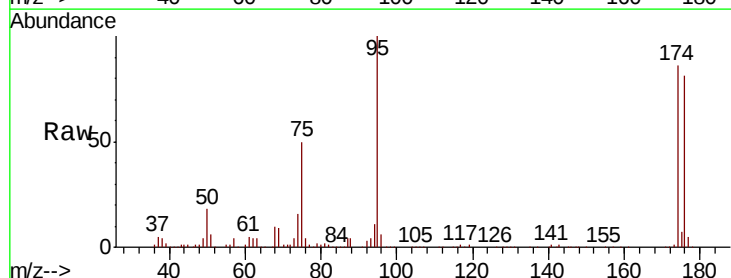
Tgt Ion: 95 Resp: 89293

Ion Ratio Lower Upper

95 100

174 89.2 0.0 184.4

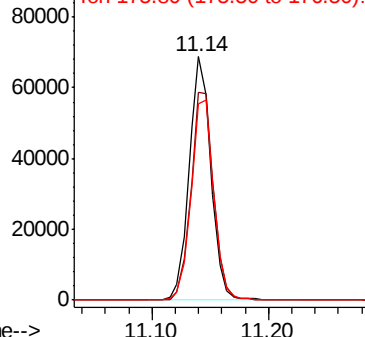
176 85.9 0.0 177.4



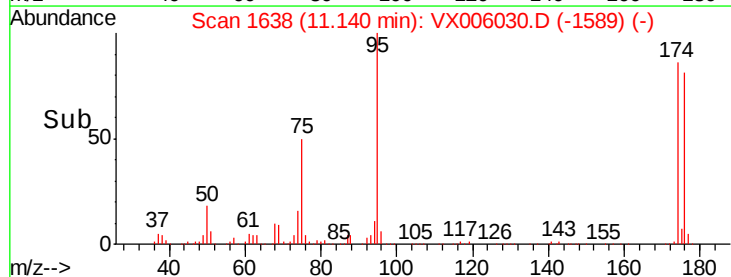
Abundance Ion 94.90 (94.60 to 95.60): VX0

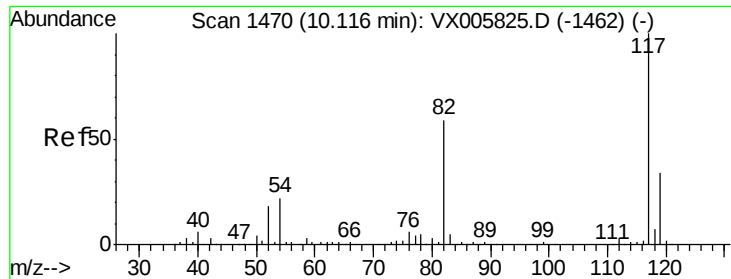
Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V



Time-->

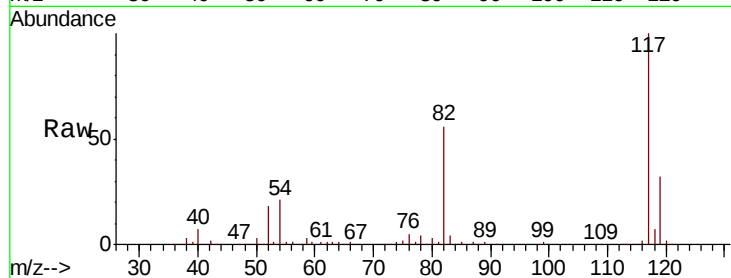




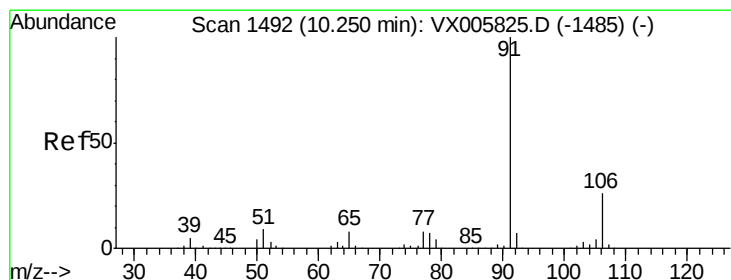
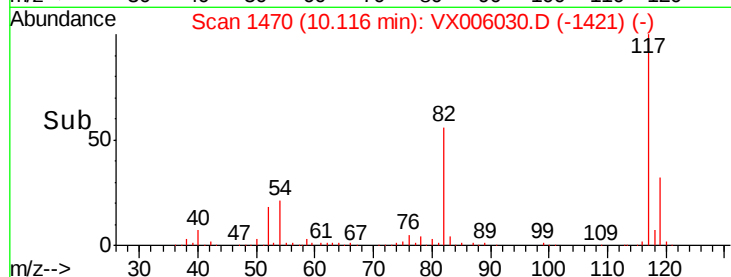
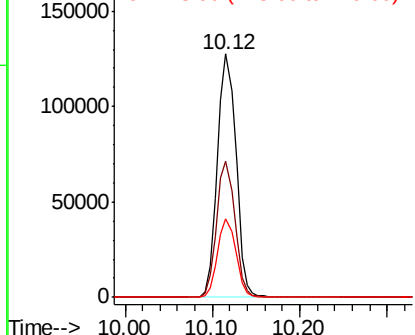
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. -0.00 min
Lab File: VX006030.D
Acq: 15 Nov 2018 19:46

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:117 Resp: 188230
Ion Ratio Lower Upper
117 100
82 55.8 44.1 66.1
119 32.3 26.2 39.2

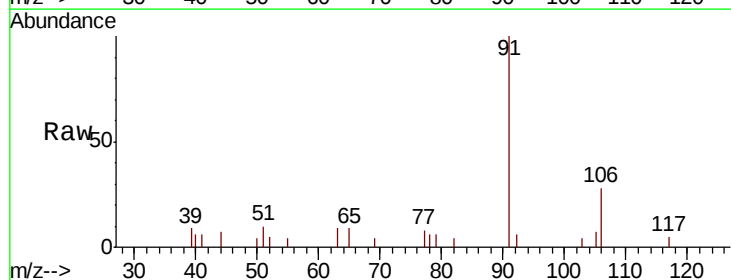


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

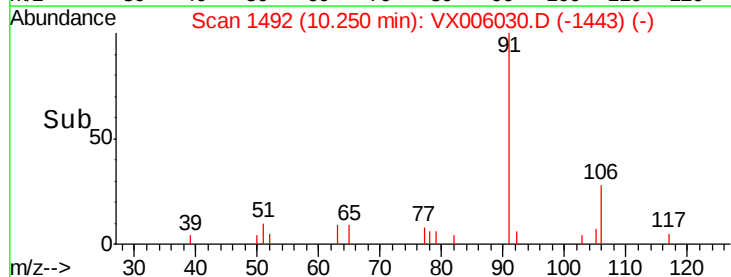
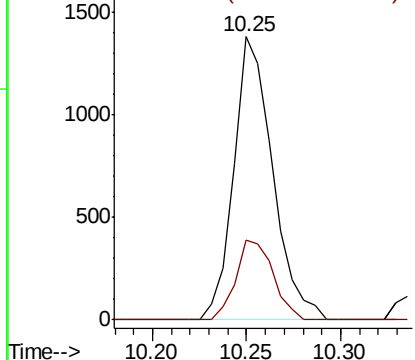


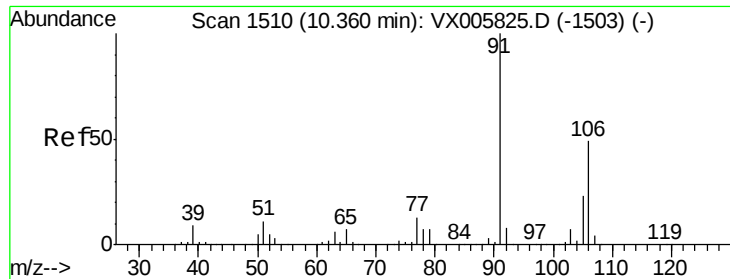
#67
Ethyl Benzene
Concen: 0.326 ug/l
RT: 10.25 min Scan# 1492
Delta R.T. -0.00 min
Lab File: VX006030.D
Acq: 15 Nov 2018 19:46

Tgt Ion: 91 Resp: 1973
Ion Ratio Lower Upper
91 100
106 28.2 24.4 36.6



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

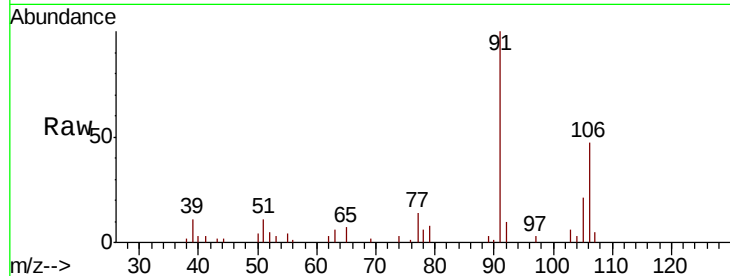




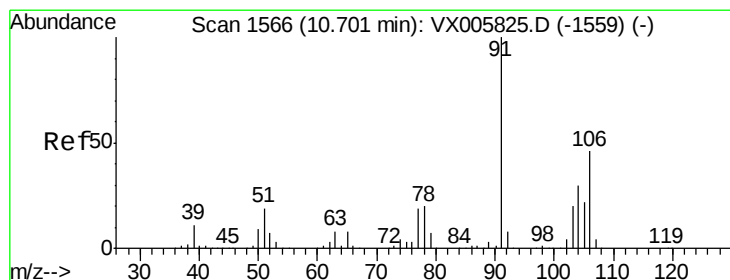
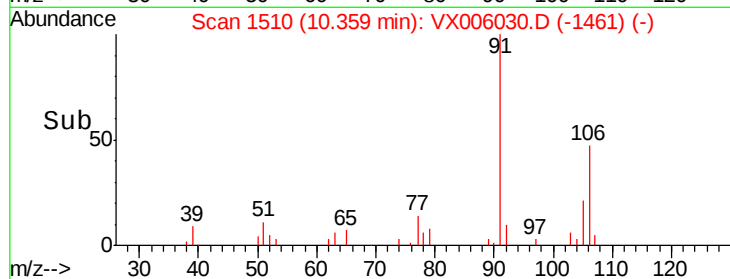
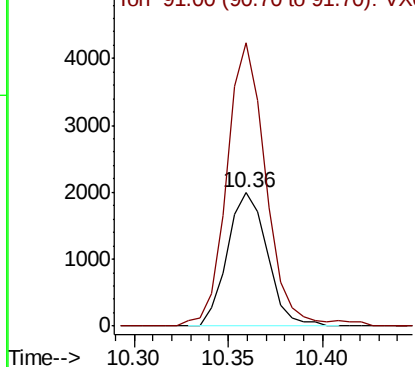
#68
m/p-Xylenes
Concen: 1.272 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. -0.00 min
Lab File: VX006030.D
Acq: 15 Nov 2018 19:46

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:106 Resp: 2933
Ion Ratio Lower Upper
106 100
91 208.6 164.2 246.4

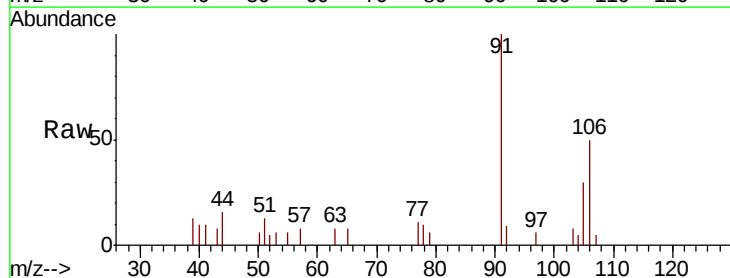


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VX0

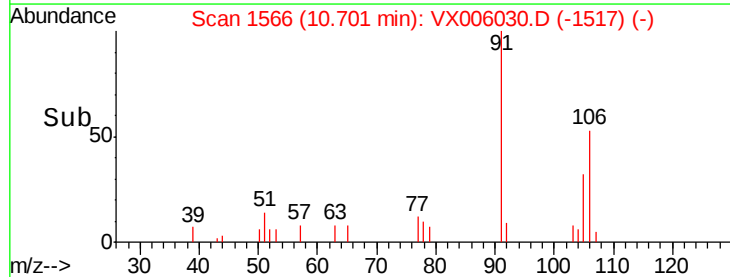
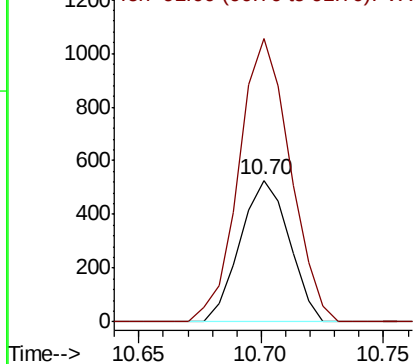


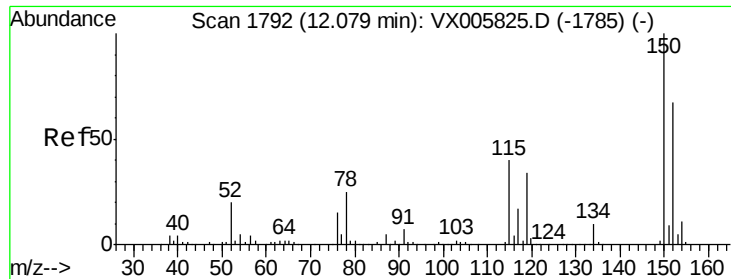
#69
o-Xylene
Concen: 0.354 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. -0.00 min
Lab File: VX006030.D
Acq: 15 Nov 2018 19:46

Tgt Ion:106 Resp: 732
Ion Ratio Lower Upper
106 100
91 209.4 108.5 325.5



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: VX006030.D

Acq: 15 Nov 2018 19:46

Instrument :

MSVOA_X

ClientSampleId :

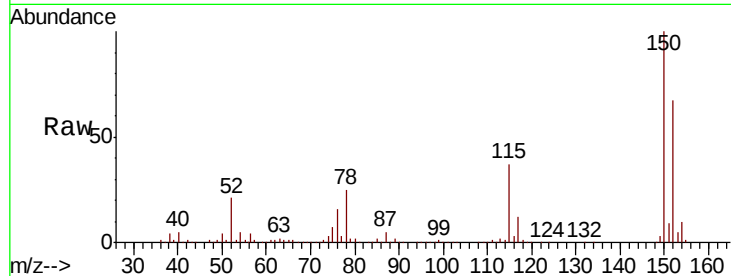
Tot Ion:152 Resp: 125236

Ion Ratio Lower Upper

152 100

115 55.0 39.4 118.1

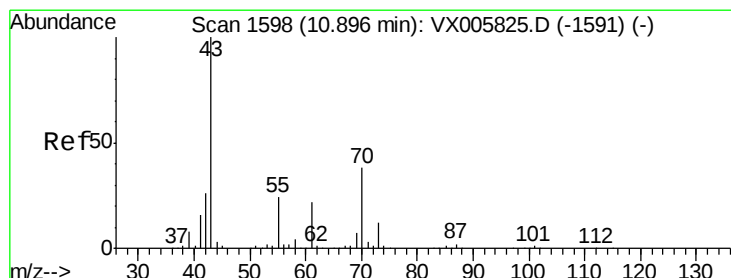
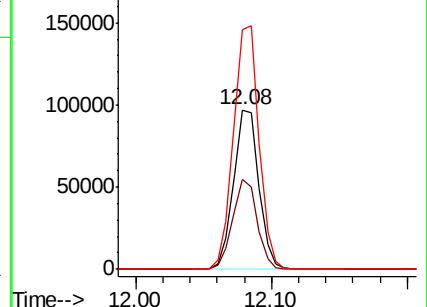
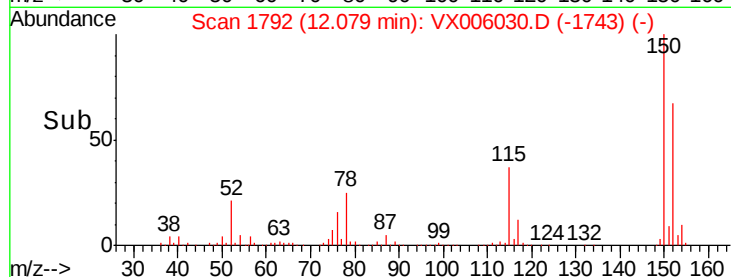
150 154.2 0.0 346.4



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: 1.329 ug/l

RT: 10.91 min Scan# 1601

Delta R.T. 0.02 min

Lab File: VX006030.D

Acq: 15 Nov 2018 19:46

Tgt Ion: 43 Resp: 326

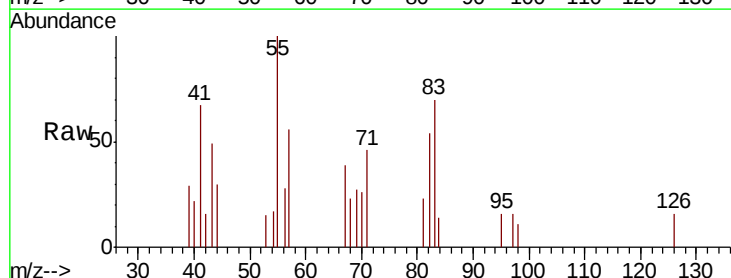
Ion Ratio Lower Upper

43 100

70 56.1 31.6 47.4#

55 227.6 19.7 29.5#

61 0.0 18.3 27.5#

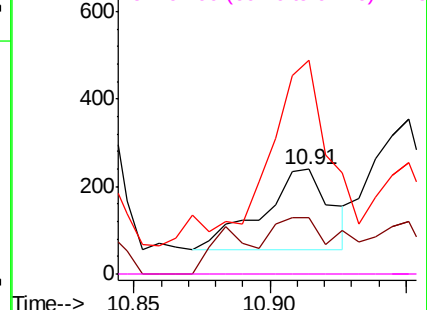
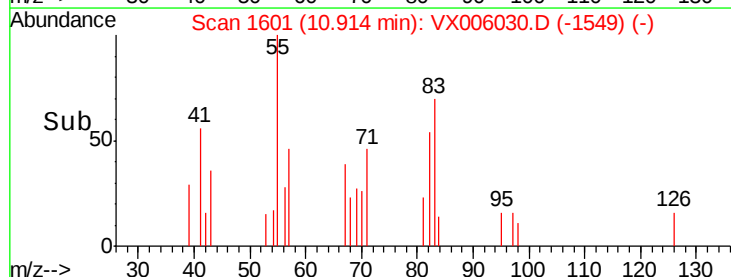


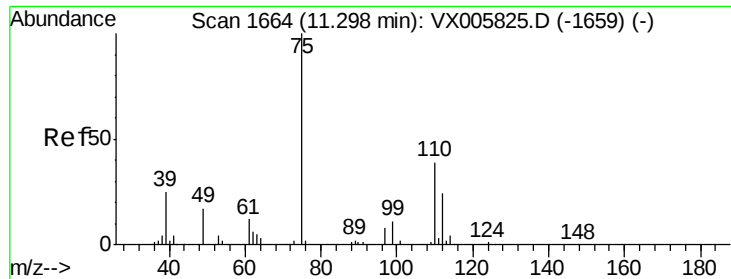
Abundance Ion 43.00 (42.70 to 43.70): VX0

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

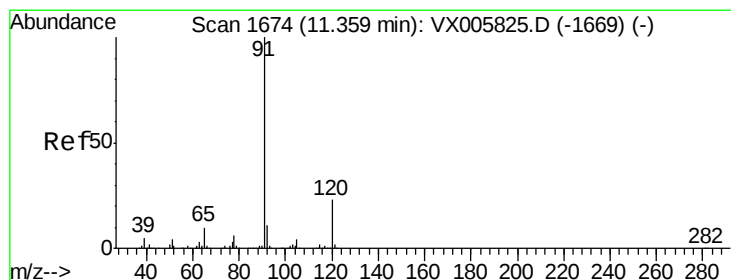
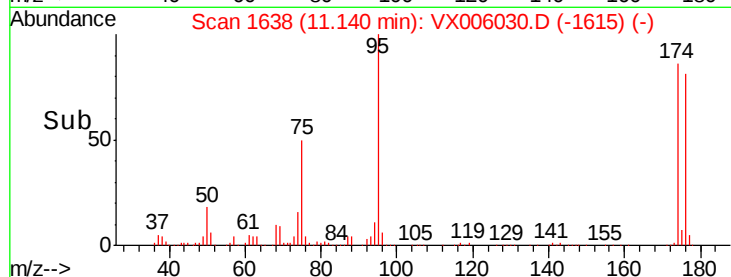
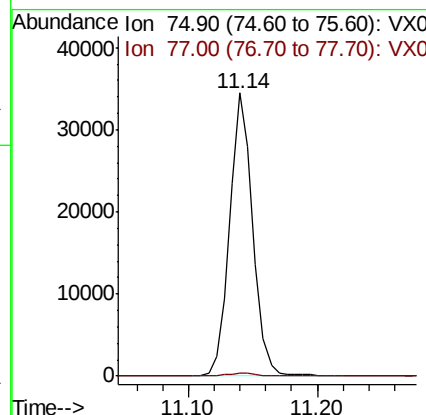
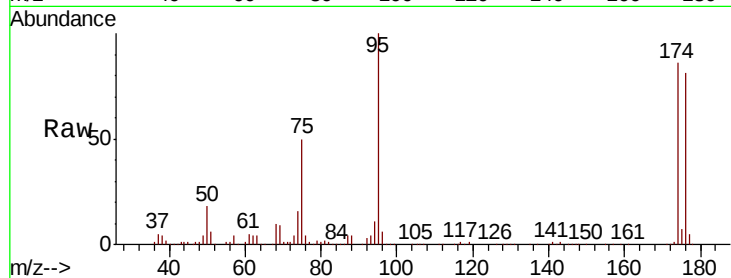




#76
 1,2,3-Trichloropropane
 Concen: 17.042 ug/l
 RT: 11.14 min Scan# 1638
 Delta R.T. -0.16 min
 Lab File: VX006030.D
 Acq: 15 Nov 2018 19:46

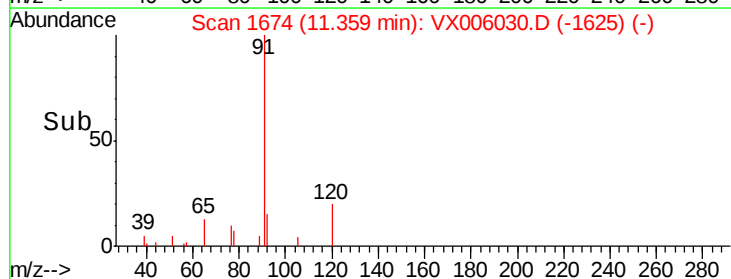
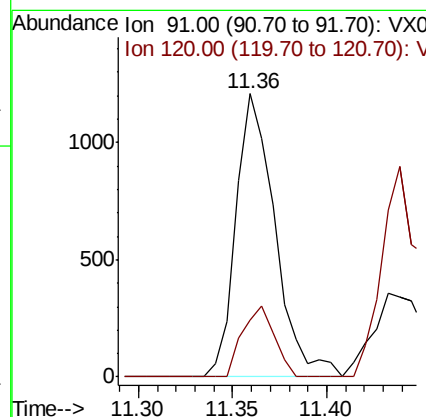
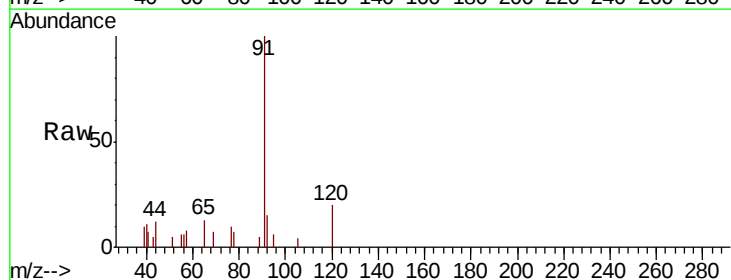
Instrument :
 MSVOA_X
 ClientSampleId :

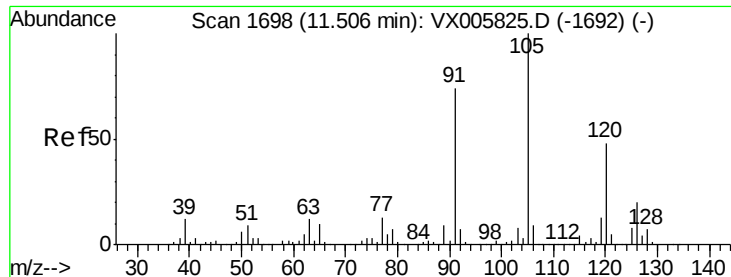
Tot Ion: 75 Resp: 43459
 Ion Ratio Lower Upper
 75 100
 77 1.2 20.5 61.6#



#78
 n-propylbenzene
 Concen: 0.204 ug/l
 RT: 11.36 min Scan# 1674
 Delta R.T. -0.00 min
 Lab File: VX006030.D
 Acq: 15 Nov 2018 19:46

Tgt Ion: 91 Resp: 1741
 Ion Ratio Lower Upper
 91 100
 120 20.5 11.9 35.5

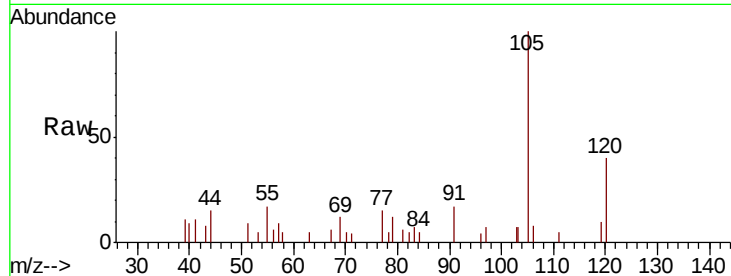




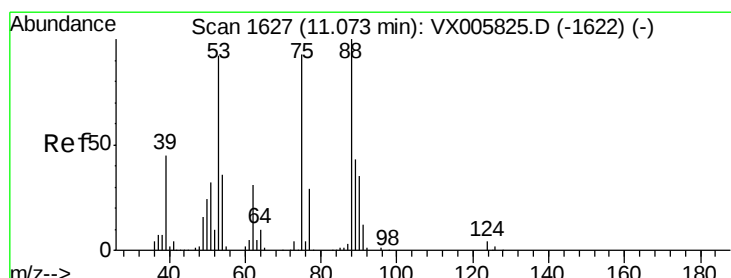
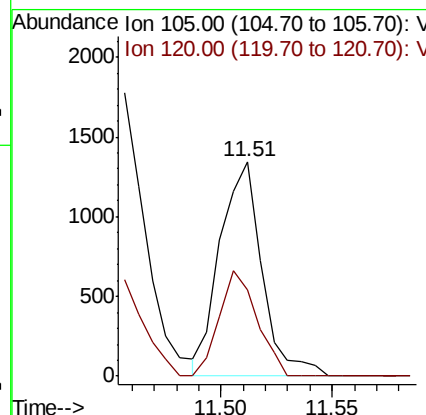
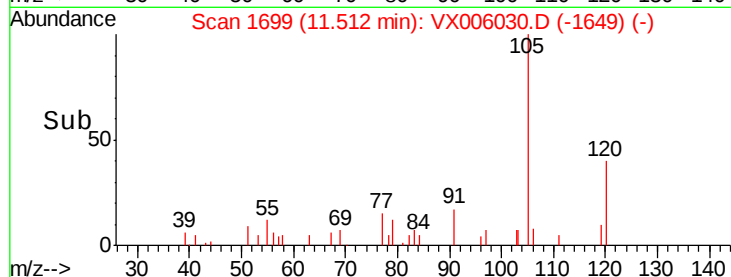
#80
 1,3,5-Trimethylbenzene
 Concen: 0.287 ug/l
 RT: 11.51 min Scan# 1699
 Delta R.T. 0.01 min
 Lab File: VX006030.D
 Acq: 15 Nov 2018 19:46

Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion:105 Resp: 1764
 Ion Ratio Lower Upper
 105 100
 120 44.3 24.1 72.2

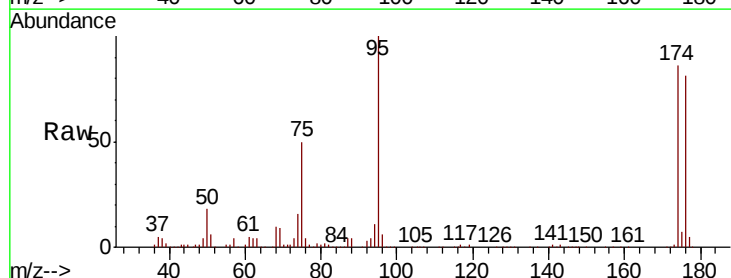


Abundance Ion 105.00 (104.70 to 105.70): V
 Ion 120.00 (119.70 to 120.70): V

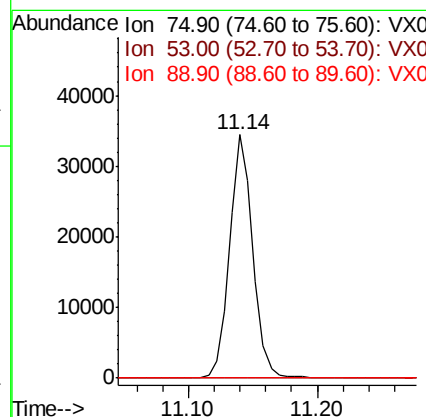
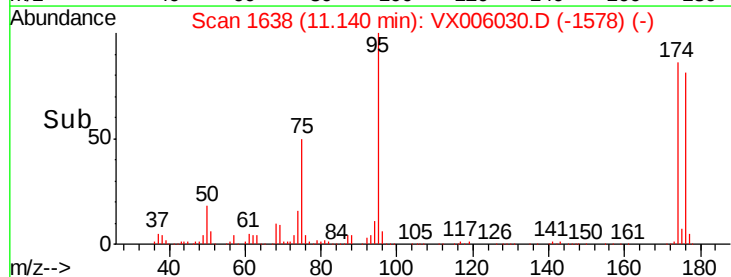


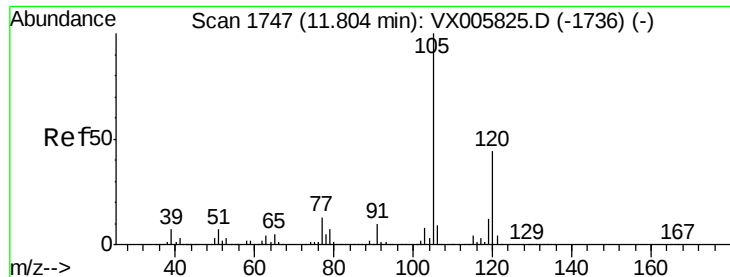
#81
 trans-1,4-Dichloro-2-butene
 Concen: 54.316 ug/l
 RT: 11.14 min Scan# 1638
 Delta R.T. 0.07 min
 Lab File: VX006030.D
 Acq: 15 Nov 2018 19:46

Tgt Ion: 75 Resp: 43459
 Ion Ratio Lower Upper
 75 100
 53 0.0 80.2 120.2#
 89 0.0 39.8 59.8#



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

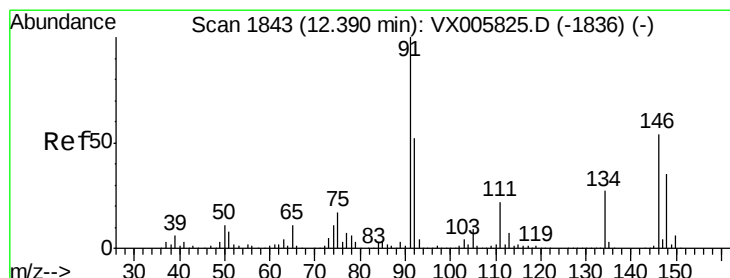
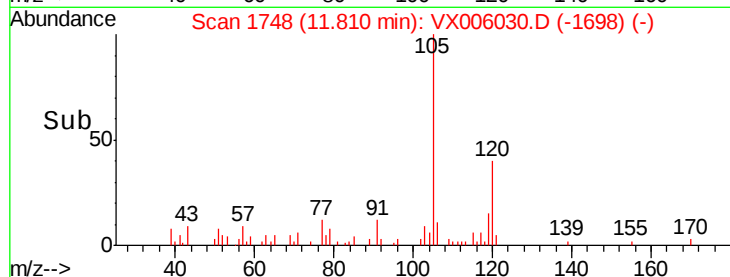
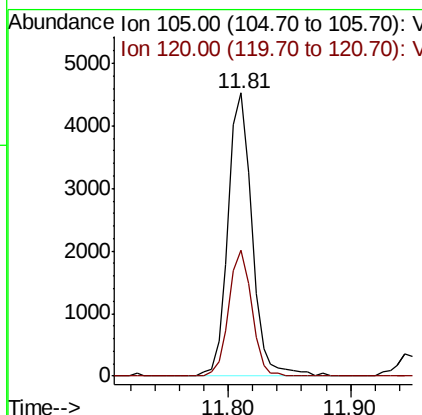
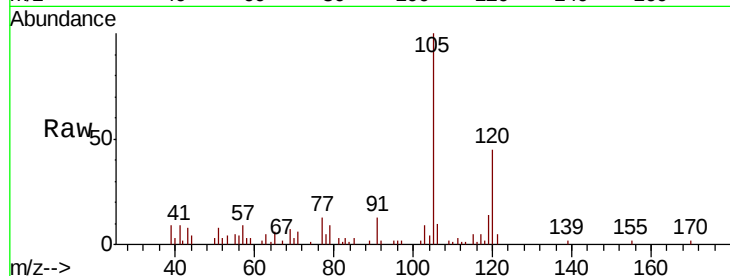




#84
 1,2,4-Trimethylbenzene
 Concen: 0.786 ug/l
 RT: 11.81 min Scan# 1748
 Delta R.T. 0.01 min
 Lab File: VX006030.D
 Acq: 15 Nov 2018 19:46

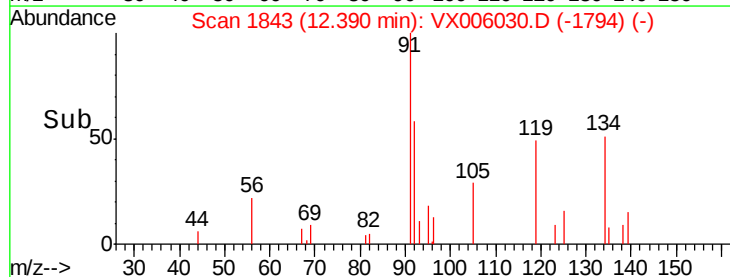
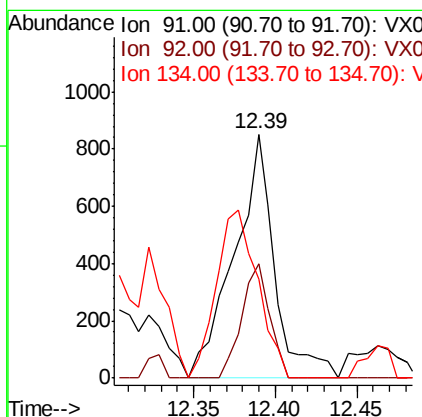
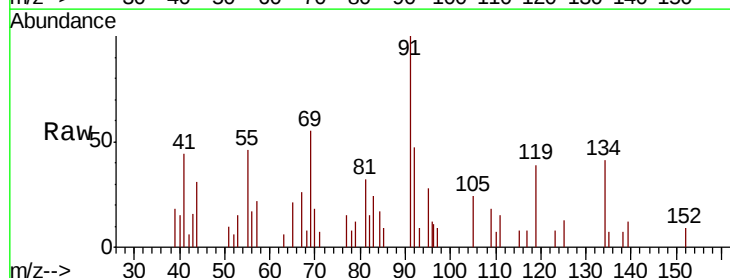
Instrument :
 MSVOA_X
 ClientSampled :

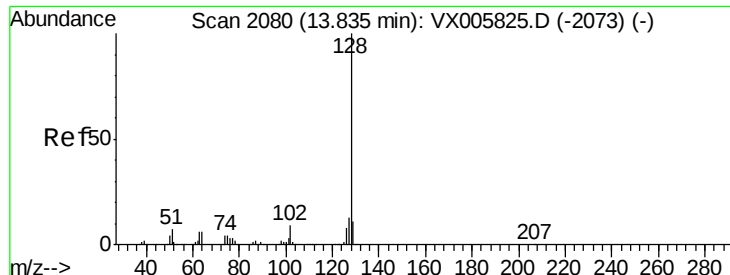
Tot Ion:105 Resp: 6143
 Ion Ratio Lower Upper
 105 100
 120 42.3 22.4 67.0



#89
 n-Butylbenzene
 Concen: 0.235 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. -0.00 min
 Lab File: VX006030.D
 Acq: 15 Nov 2018 19:46

Tgt Ion: 91 Resp: 1466
 Ion Ratio Lower Upper
 91 100
 92 32.5 26.1 78.2
 134 70.6 13.1 39.3#

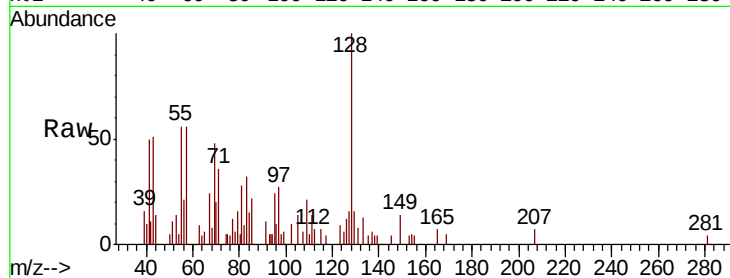




#95
Naphthalene
Concen: 1.438 ug/l
RT: 13.84 min Scan# 2081
Delta R.T. 0.01 min
Lab File: VX006030.D
Acq: 15 Nov 2018 19:46

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:128 Resp: 2403
Ion Ratio Lower Upper
128 100
127 17.6 10.4 15.6#
129 19.8 8.7 13.1#



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

