

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX111518\
 Data File : VX006023.D
 Acq On : 15 Nov 2018 16:40
 Operator : JC/MD
 Sample : J5860-14ME
 Misc : 4.88g/5mL/100uL/5.00mL/MSVOA_X/MEOH
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Nov 16 00:17:42 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	141585	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	197253	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	169467	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	86799	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.07	65	77664	47.71	ug/l	0.00
Spiked Amount			Recovery	=	95.42%	
35) Dibromofluoromethane	5.51	113	61484	45.83	ug/l	0.00
Spiked Amount			Recovery	=	91.66%	
50) Toluene-d8	8.71	98	236804	53.09	ug/l	0.00
Spiked Amount			Recovery	=	106.18%	
62) 4-Bromofluorobenzene	11.14	95	84299	52.57	ug/l	0.00
Spiked Amount			Recovery	=	105.14%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	372	0.222	ug/l	98
5) Bromomethane	1.64	94	1065	1.035	ug/l	97
10) Methyl Iodide	2.46	142	728	0.468	ug/l #	85
13) Acrolein	2.32	56	424	20.924	ug/l #	69
15) Acrylonitrile	3.11	53	975	1.009	ug/l #	39
16) Acetone	2.42	43	867	0.989	ug/l #	74
17) Carbon Disulfide	2.51	76	4508	1.208	ug/l #	95
18) Methyl Acetate	2.83	43	60498	25.018	ug/l #	72
19) Methyl tert-butyl Ether	3.24	73	3552	0.832	ug/l #	83
20) Methylene Chloride	2.84	84	808	0.561	ug/l #	51
25) 2-Butanone	4.78	43	6673	4.843	ug/l	93
29) Tetrahydrofuran	5.20	42	199	0.225	ug/l #	1
30) Chloroform	5.23	83	5299	2.103	ug/l #	75
31) Cyclohexane	5.57	56	32247	14.221	ug/l #	60
36) 1,1-Dichloropropene	5.65	75	9499	4.995	ug/l #	50
37) Ethyl Acetate	4.90	43	5516	2.206	ug/l #	77
38) Carbon Tetrachloride	5.65	117	12338	6.481	ug/l #	15
39) Methylcyclohexane	7.45	83	50238	26.067	ug/l	92
40) Benzene	6.13	78	21372	3.855	ug/l	100
41) Methacrylonitrile	5.02	41	801	0.593	ug/l #	25
43) Isopropyl Acetate	6.46	43	6730	1.857	ug/l #	47
47) Bromodichloromethane	7.84	83	1506	0.944	ug/l #	6
48) Methyl methacrylate	7.72	41	7052	4.334	ug/l #	54
51) 4-Methyl-2-Pentanone	8.67	43	29764	13.034	ug/l #	81
52) Toluene	8.79	92	15029	4.851	ug/l	97
53) t-1,3-Dichloropropene	8.98	75	443	0.235	ug/l #	1
55) 1,1,2-Trichloroethane	9.26	97	1000	0.724	ug/l #	1
56) Ethyl methacrylate	9.16	69	6485	3.139	ug/l #	13
58) 2-Chloroethyl Vinyl ether	8.34	63	375	8.600	ug/l #	48
59) 2-Hexanone	9.55	43	27033	13.430	ug/l #	48
67) Ethyl Benzene	10.26	91	361342	66.375	ug/l	99
68) m/p-Xylenes	10.37	106	57176	27.535	ug/l	99
69) o-Xylene	10.70	106	15845	8.510	ug/l	98
70) Styrene	10.72	104	17748	5.778	ug/l	93

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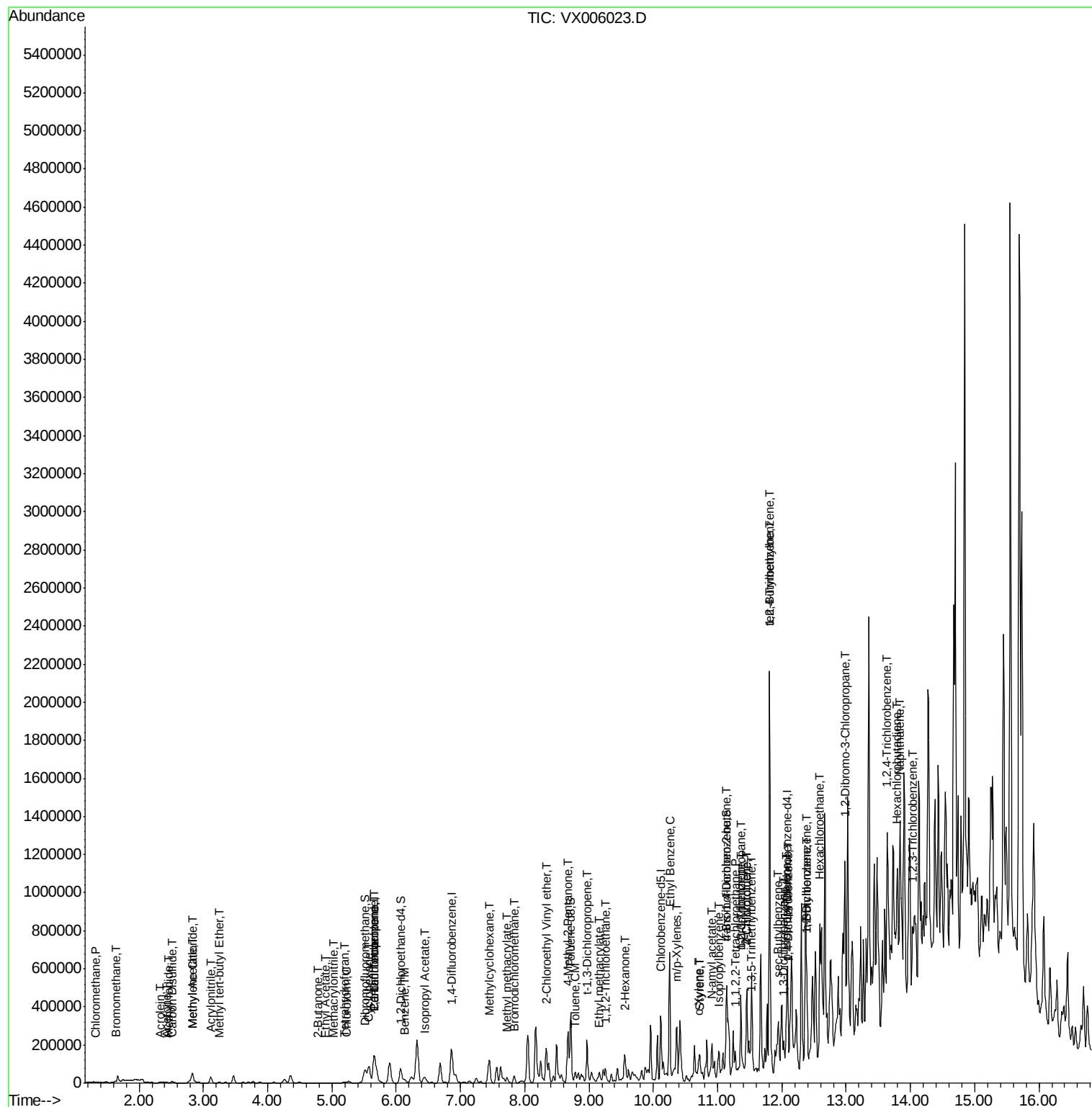
73) Isopropylbenzene	11.02	105	64635	12.877	ug/l	99
74) N-amyl acetate	10.91	43	21372	8.649	ug/l #	1
75) 1,1,2,2-Tetrachloroethane	11.27	83	9219	5.004	ug/l #	26
76) 1,2,3-Trichloropropane	11.36	75	1676	0.948	ug/l #	1
78) n-propylbenzene	11.36	91	268989	45.471	ug/l	99
79) 2-Chlorotoluene	11.46	91	28459	7.959	ug/l #	40
80) 1,3,5-Trimethylbenzene	11.51	105	34390	8.062	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.14	75	40704	73.401	ug/l #	13
82) 4-Chlorotoluene	11.46	91	28459	6.753	ug/l #	44
83) tert-Butylbenzene	11.81	119	108347	25.108	ug/l #	61
84) 1,2,4-Trimethylbenzene	11.81	105	858006	182.586	ug/l	99
85) sec-Butylbenzene	11.95	105	59371	11.251	ug/l	94
86) p-Isopropyltoluene	12.07	119	53295	11.402	ug/l	98
87) 1,3-Dichlorobenzene	12.03	146	1660	0.611	ug/l #	1
88) 1,4-Dichlorobenzene	12.10	146	3500	1.259	ug/l #	7
89) n-Butylbenzene	12.39	91	151598	34.994	ug/l #	60
90) Hexachloroethane	12.59	117	27659	35.442	ug/l #	2
91) 1,2-Dichlorobenzene	12.40	146	24847	9.135	ug/l #	82
92) 1,2-Dibromo-3-Chloropropan	12.98	75	2780	6.183	ug/l #	9
93) 1,2,4-Trichlorobenzene	13.65	180	1070	0.559	ug/l #	1
94) Hexachlorobutadiene	13.79	225	381	0.379	ug/l	92
95) Naphthalene	13.83	128	591897	93.730	ug/l #	96
96) 1,2,3-Trichlorobenzene	14.04	180	4517	2.315	ug/l #	1

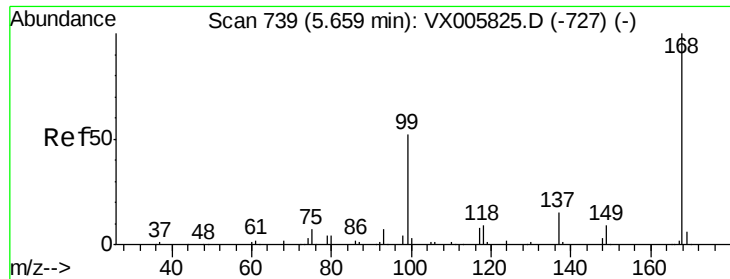
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 738

Delta R.T. -0.01 min

Lab File: VX006023.D

Acq: 15 Nov 2018 16:40

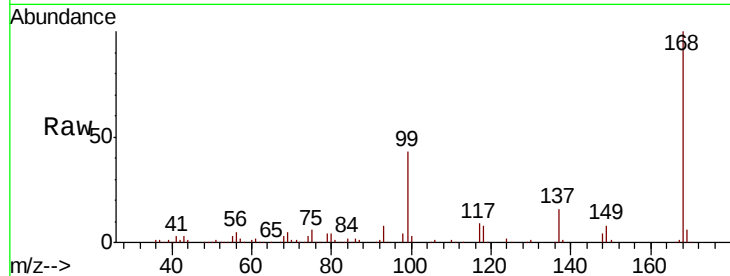
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:168 Resp: 141585

Ion Ratio Lower Upper

168 100

99 43.1 40.7 61.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.65

60000

50000

40000

30000

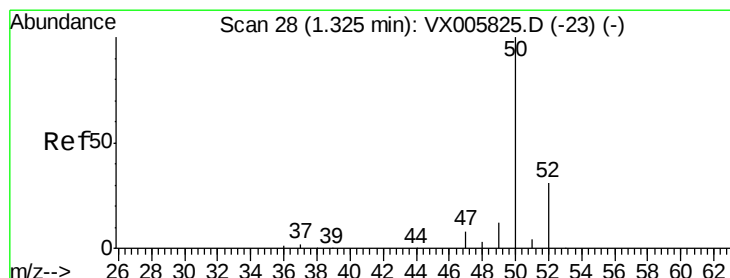
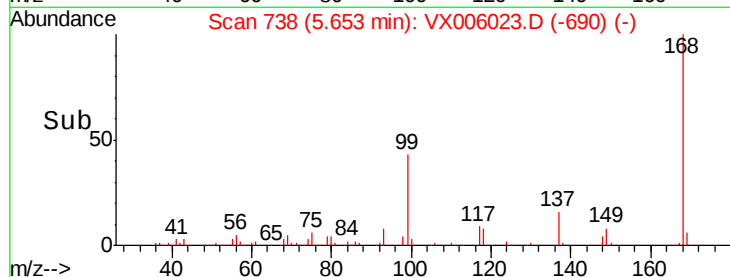
20000

10000

0

Time-->

5.50 5.60 5.70 5.80



#3

Chloromethane

Concen: 0.222 ug/l

RT: 1.32 min Scan# 28

Delta R.T. -0.00 min

Lab File: VX006023.D

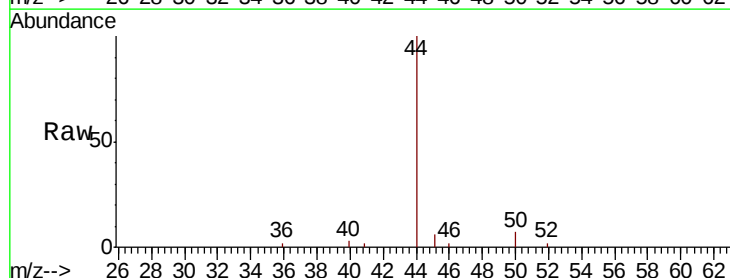
Acq: 15 Nov 2018 16:40

Tgt Ion: 50 Resp: 372

Ion Ratio Lower Upper

50 100

52 31.6 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

250

200

150

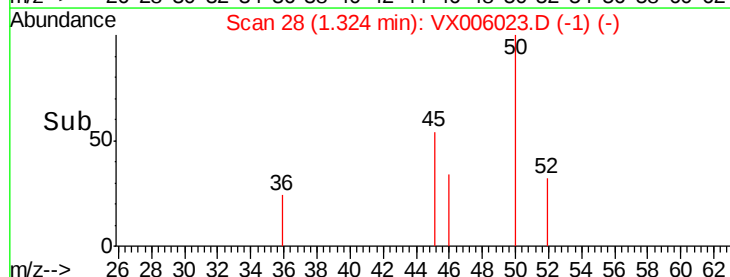
100

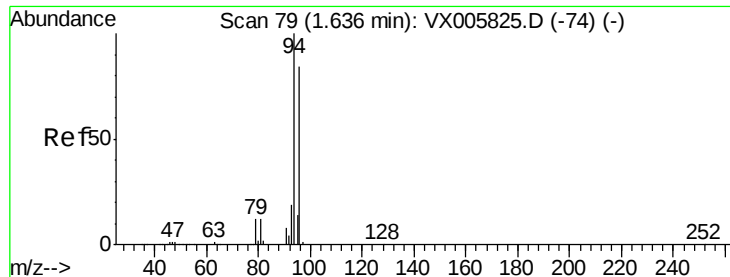
50

0

Time-->

1.30 1.35





#5

Bromomethane

Concen: 1.035 ug/l

RT: 1.64 min Scan# 79

Delta R.T. -0.00 min

Lab File: VX006023.D

Acq: 15 Nov 2018 16:40

Instrument :

MSVOA_X

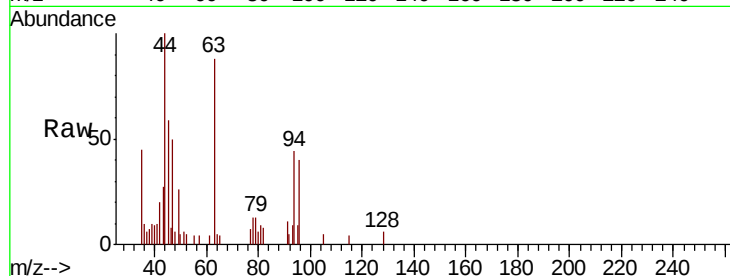
ClientSampleId :

Tot Ion: 94 Resp: 1065

Ion Ratio Lower Upper

94 100

96 90.7 75.2 112.8



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.64

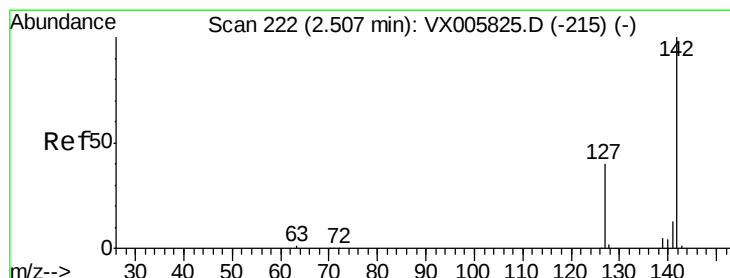
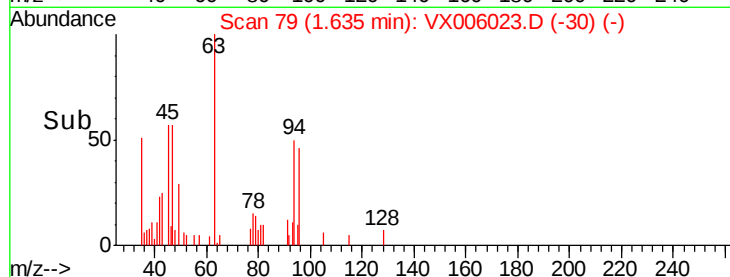
600

400

200

0

Time--> 1.55 1.60 1.65 1.70



#10

Methyl Iodide

Concen: 0.468 ug/l

RT: 2.46 min Scan# 215

Delta R.T. -0.04 min

Lab File: VX006023.D

Acq: 15 Nov 2018 16:40

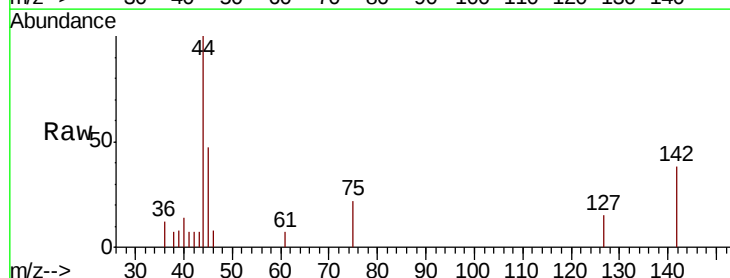
Tgt Ion: 142 Resp: 728

Ion Ratio Lower Upper

142 100

127 39.1 36.0 54.0

141 0.0 11.7 17.5#



Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

2.46

500

400

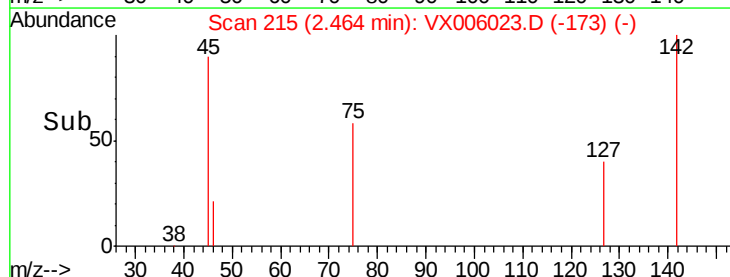
300

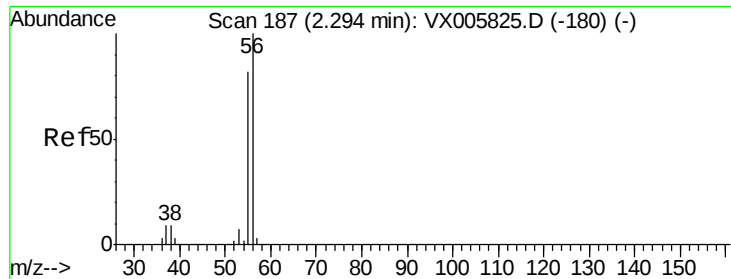
200

100

0

Time--> 2.40 2.45 2.50 2.55





#13

Acrolein

Concen: 20.924 ug/l

RT: 2.32 min Scan# 191

Delta R.T. 0.03 min

Lab File: VX006023.D

Acq: 15 Nov 2018 16:40

Instrument :

MSVOA_X

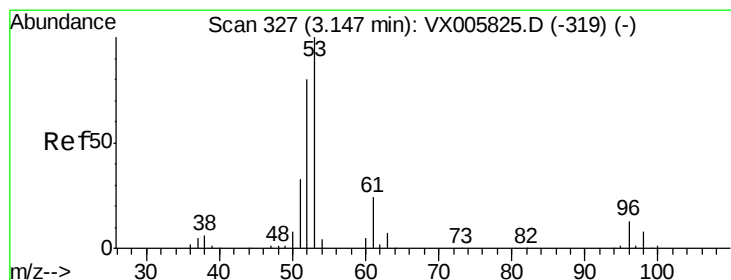
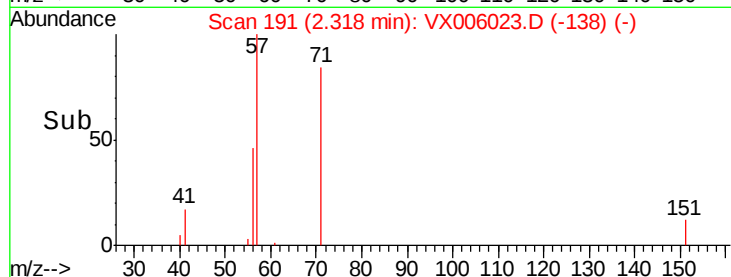
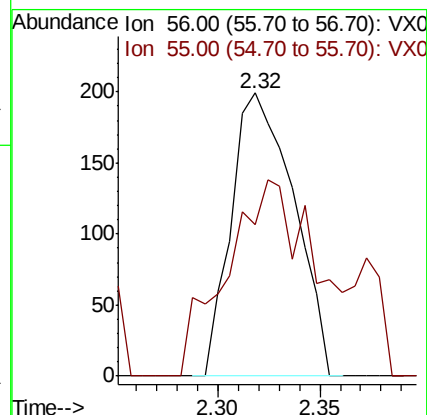
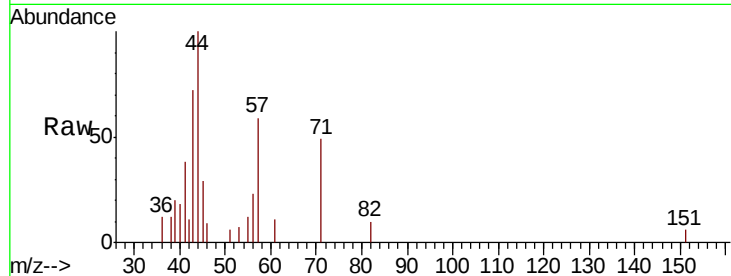
ClientSampled :

Tot Ion: 56 Resp: 424

Ion Ratio Lower Upper

56 100

55 96.9 57.3 85.9#



#15

Acrylonitrile

Concen: 1.009 ug/l

RT: 3.11 min Scan# 321

Delta R.T. -0.04 min

Lab File: VX006023.D

Acq: 15 Nov 2018 16:40

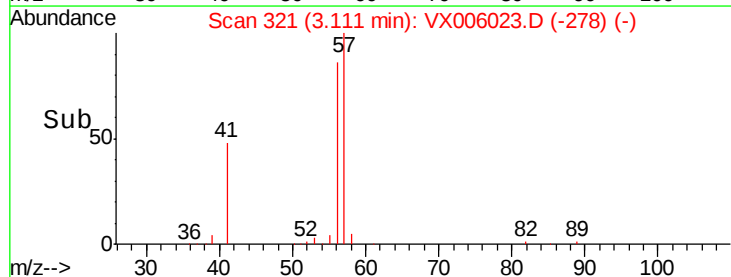
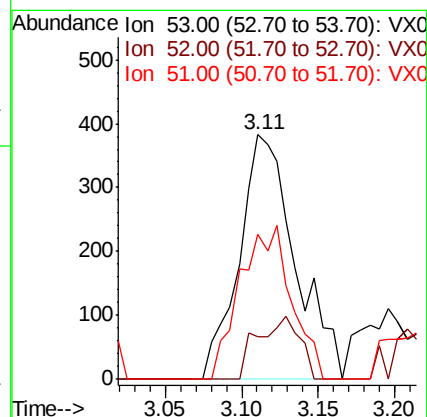
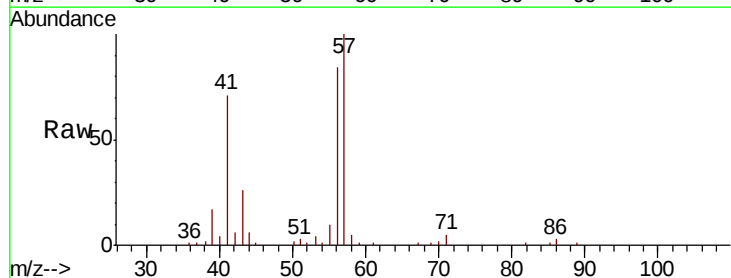
Tgt Ion: 53 Resp: 975

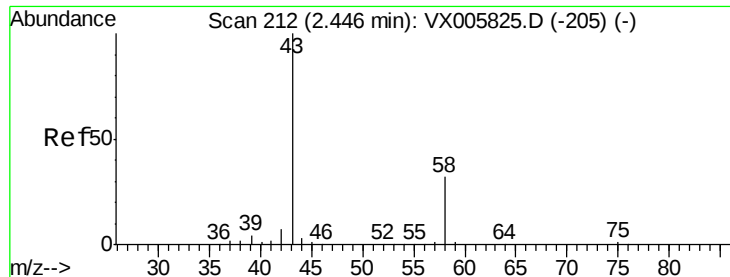
Ion Ratio Lower Upper

53 100

52 19.0 66.6 99.8#

51 57.0 28.4 42.6#





#16

Acetone

Concen: 0.989 ug/l

RT: 2.42 min Scan# 208

Delta R.T. -0.02 min

Lab File: VX006023.D

Acq: 15 Nov 2018 16:40

Instrument :

MSVOA_X

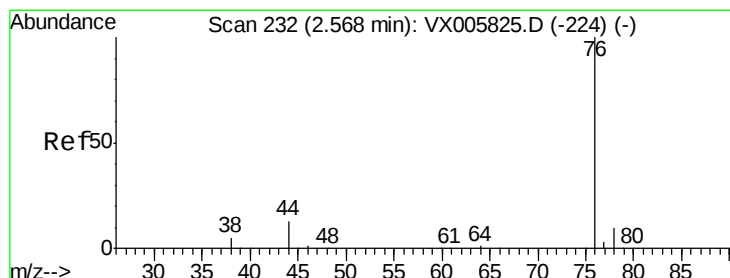
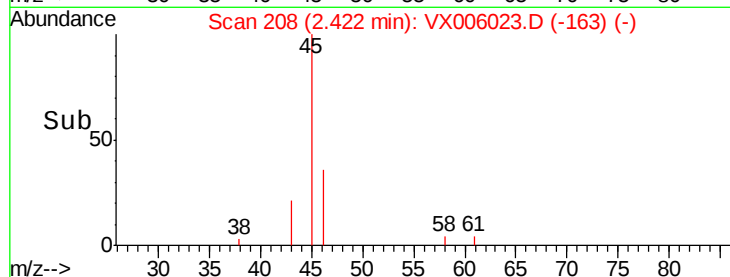
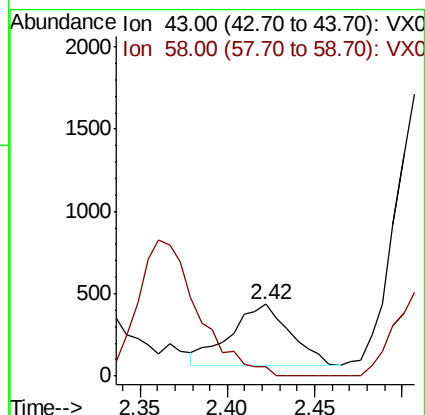
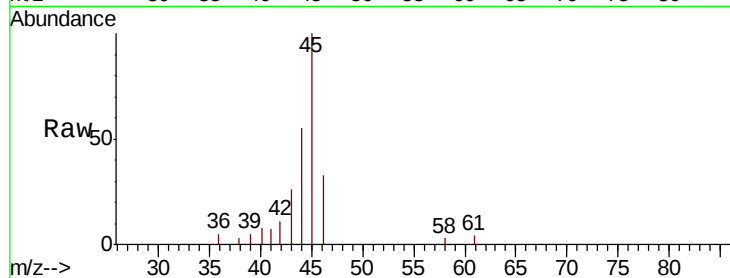
ClientSampleId :

Tot Ion: 43 Resp: 867

Ion Ratio Lower Upper

43 100

58 15.5 23.8 35.6#



#17

Carbon Disulfide

Concen: 1.208 ug/l

RT: 2.51 min Scan# 223

Delta R.T. -0.06 min

Lab File: VX006023.D

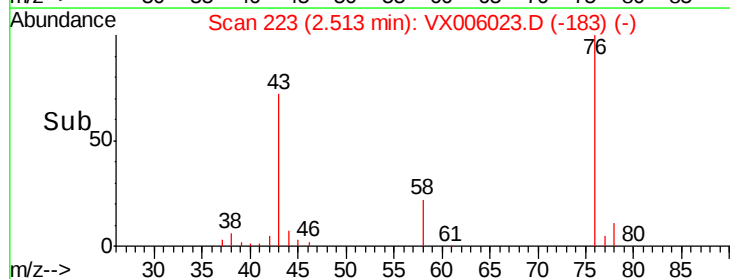
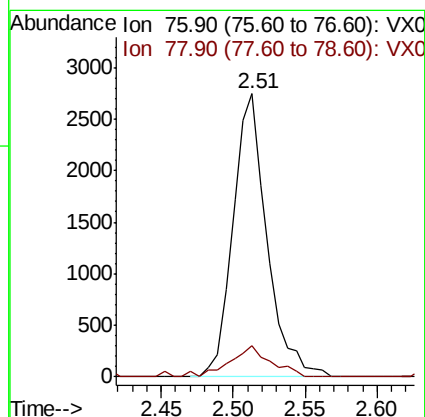
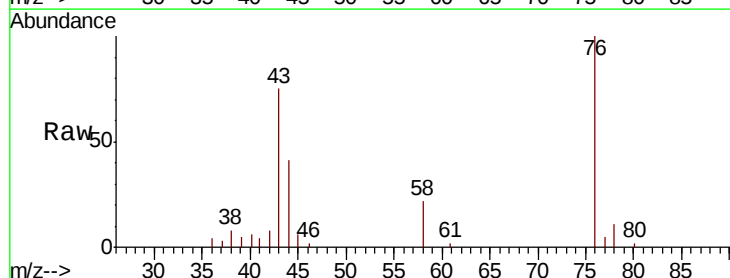
Acq: 15 Nov 2018 16:40

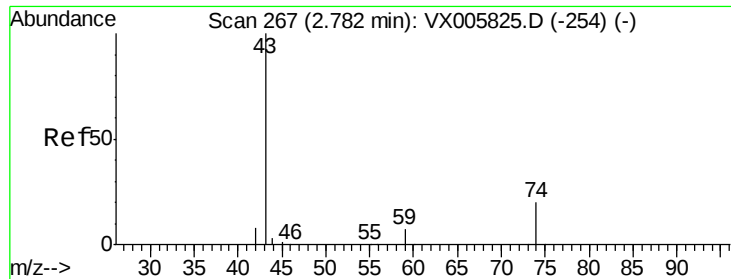
Tgt Ion: 76 Resp: 4508

Ion Ratio Lower Upper

76 100

78 10.9 7.3 10.9#

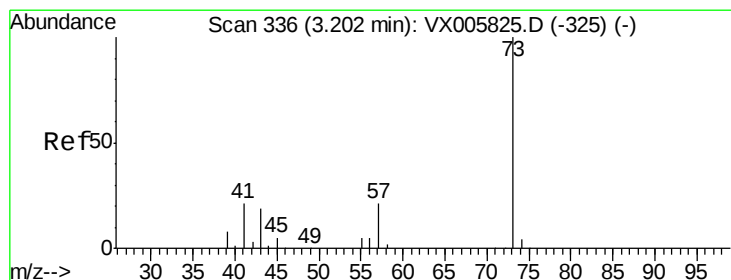
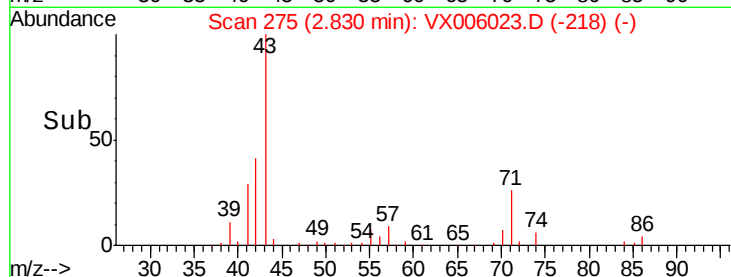
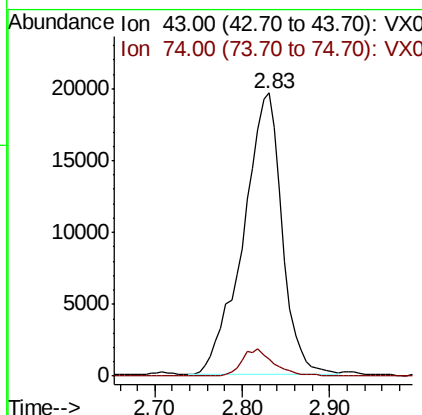
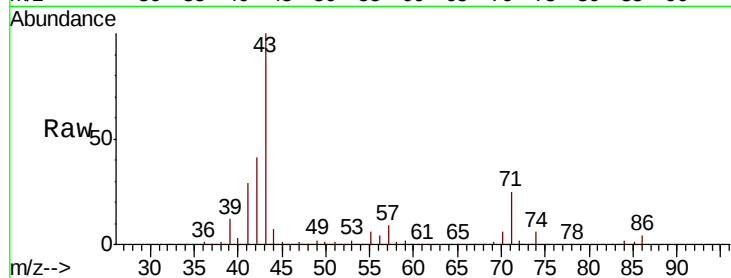




#18
Methyl Acetate
Concen: 25.018 ug/l
RT: 2.83 min Scan# 275
Delta R.T. 0.05 min
Lab File: VX006023.D
Acq: 15 Nov 2018 16:40

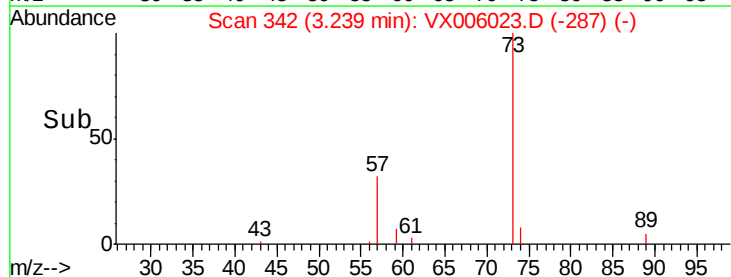
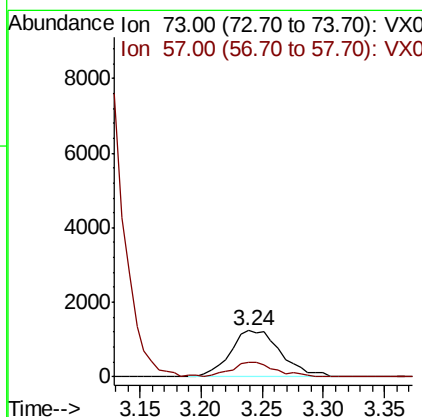
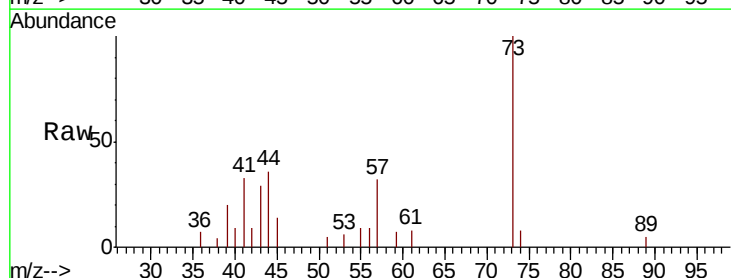
Instrument :
MSVOA_X
ClientSampleId :

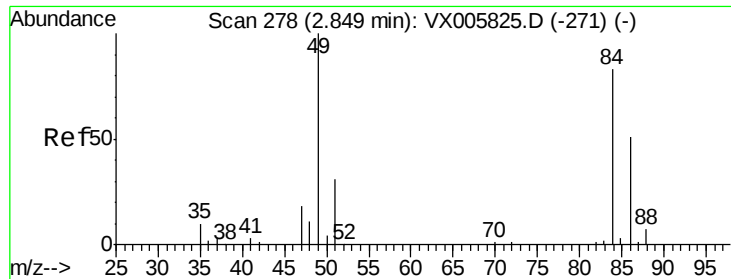
Tot Ion: 43 Resp: 60498
Ion Ratio Lower Upper
43 100
74 8.0 16.8 25.2#



#19
Methyl tert-butyl Ether
Concen: 0.832 ug/l
RT: 3.24 min Scan# 342
Delta R.T. 0.04 min
Lab File: VX006023.D
Acq: 15 Nov 2018 16:40

Tgt Ion: 73 Resp: 3552
Ion Ratio Lower Upper
73 100
57 32.0 18.8 28.2#

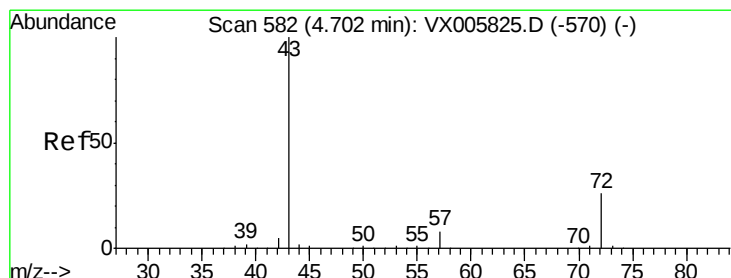
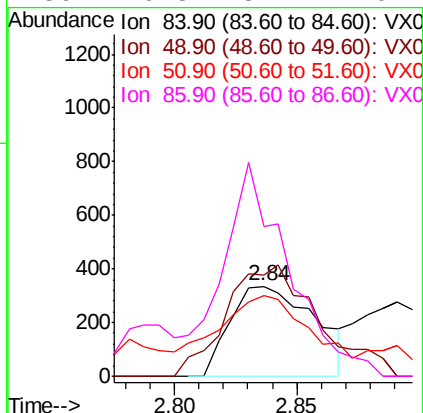
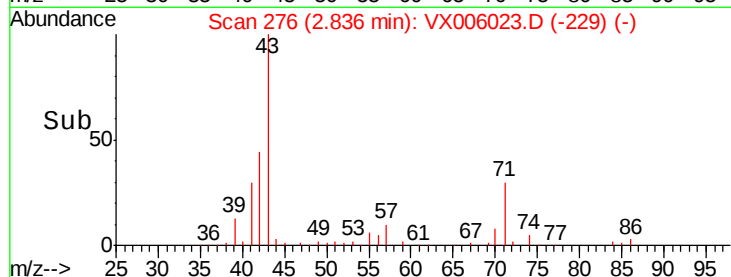
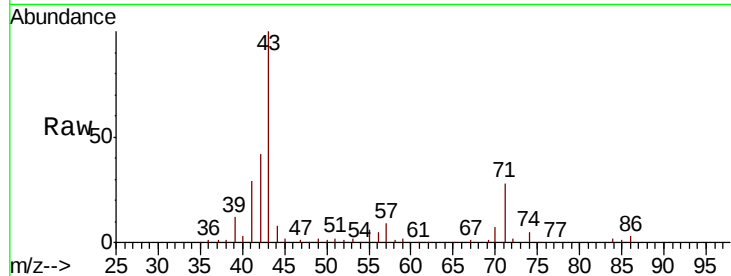




#20
Methvlene Chloride
Concen: 0.561 ug/l
RT: 2.84 min Scan# 276
Delta R.T. -0.01 min
Lab File: VX006023.D
Acq: 15 Nov 2018 16:40

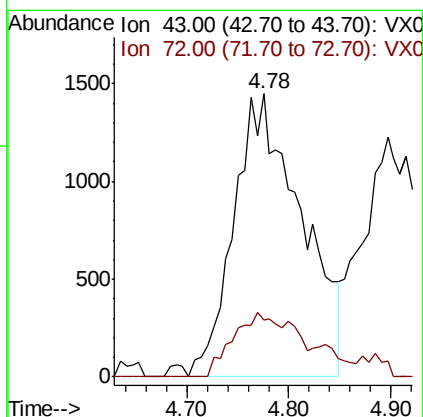
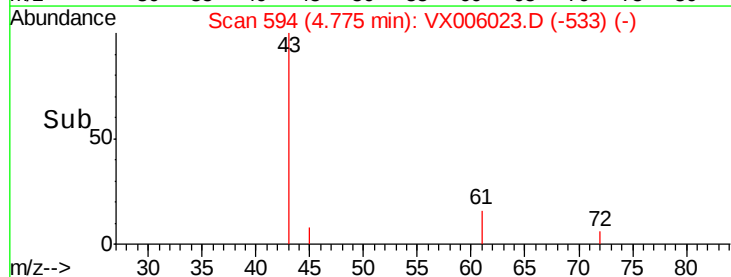
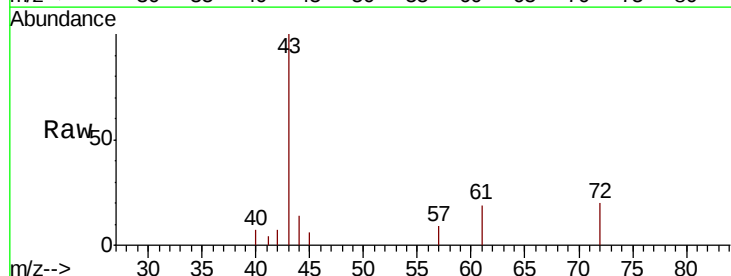
Instrument :
MSVOA_X
ClientSampleId :

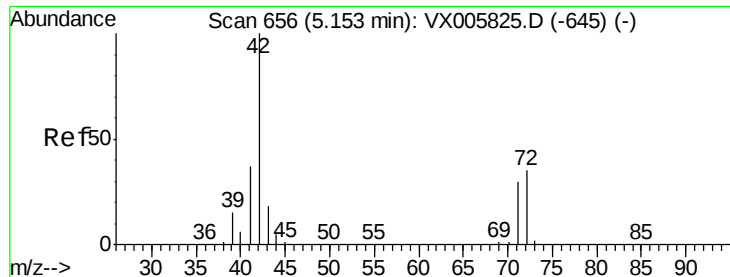
Tot Ion:	84	Resp:	808
Ion	Ratio	Lower	Upper
84	100		
49	91.6	109.5	164.3#
51	52.5	33.3	49.9#
86	140.3	52.7	79.1#



#25
2-Butanone
Concen: 4.843 ug/l
RT: 4.78 min Scan# 594
Delta R.T. 0.07 min
Lab File: VX006023.D
Acq: 15 Nov 2018 16:40

Tgt Ion:	43	Resp:	6673
Ion	Ratio	Lower	Upper
43	100		
72	20.3	19.2	28.8





#29

Tetrahydrofuran

Concen: 0.225 ug/l

RT: 5.20 min Scan# 663

Delta R.T. 0.04 min

Lab File: VX006023.D

Acq: 15 Nov 2018 16:40

Instrument :

MSVOA_X

ClientSampled :

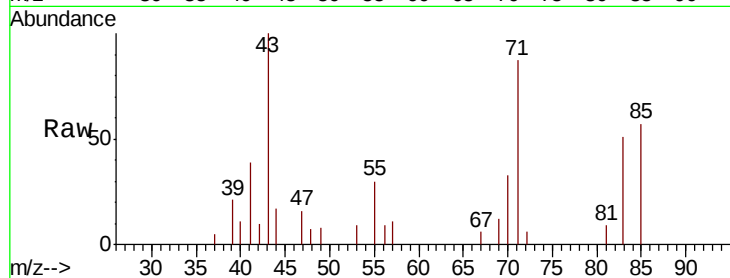
Tot Ion: 42 Resp: 199

Ion Ratio Lower Upper

42 100

72 69.3 32.0 48.0#

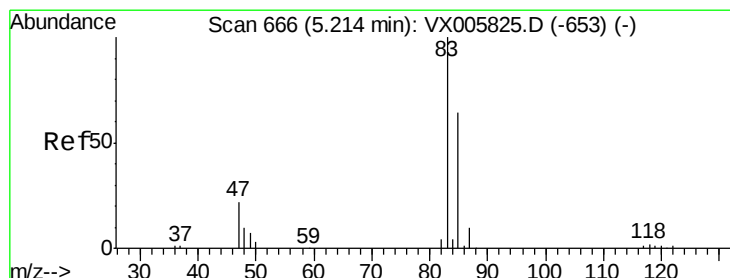
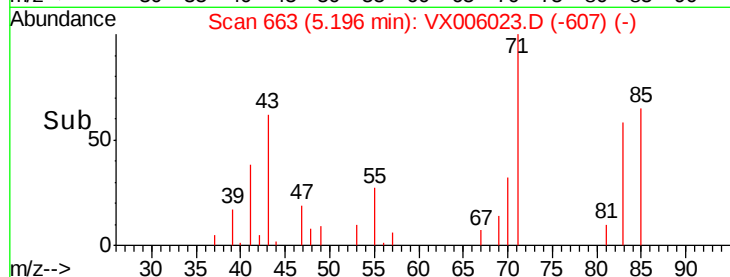
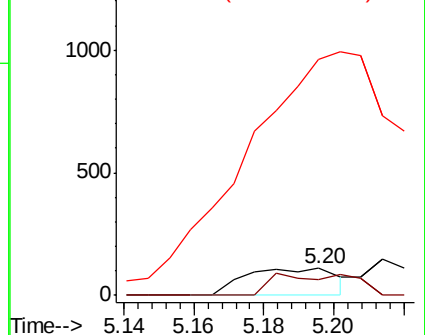
71 1739.2 29.8 44.8#



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: 2.103 ug/l

RT: 5.23 min Scan# 669

Delta R.T. 0.02 min

Lab File: VX006023.D

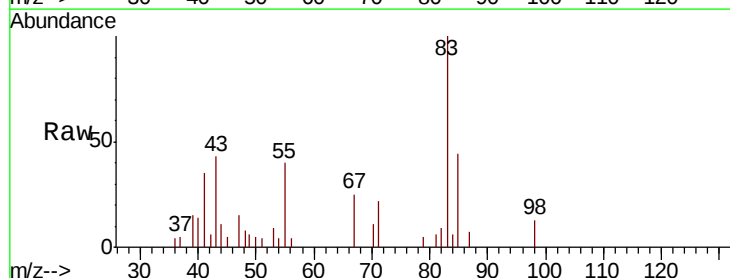
Acq: 15 Nov 2018 16:40

Tgt Ion: 83 Resp: 5299

Ion Ratio Lower Upper

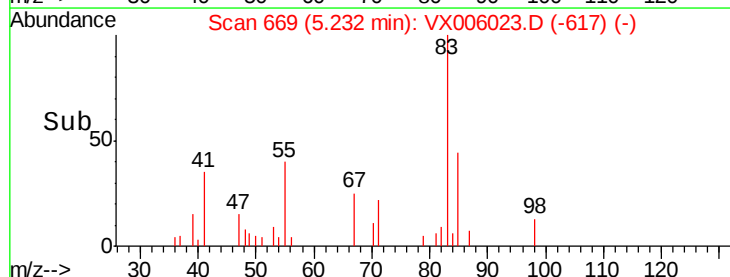
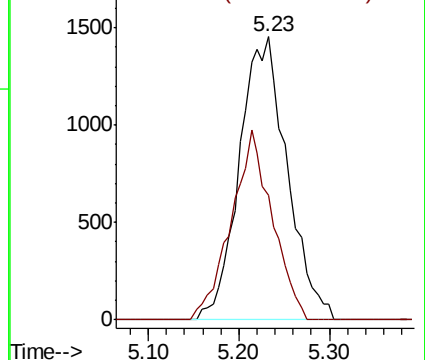
83 100

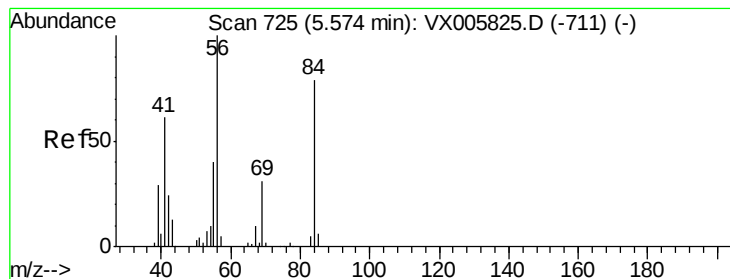
85 43.9 50.6 76.0#



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0





#31

Cyclohexane

Concen: 14.221 ug/l

RT: 5.57 min Scan# 724

Delta R.T. -0.01 min

Lab File: VX006023.D

Acq: 15 Nov 2018 16:40

Instrument :

MSVOA_X

ClientSampled :

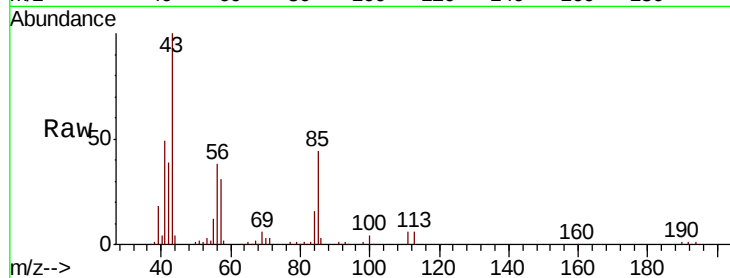
Tot Ion: 56 Resp: 32247

Ion Ratio Lower Upper

56 100

69 11.9 22.6 34.0#

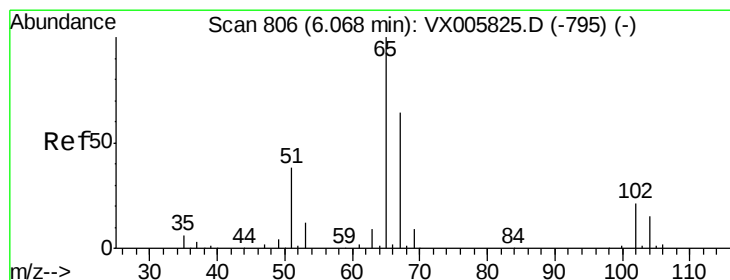
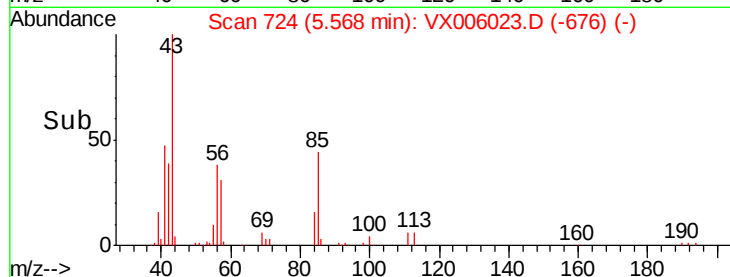
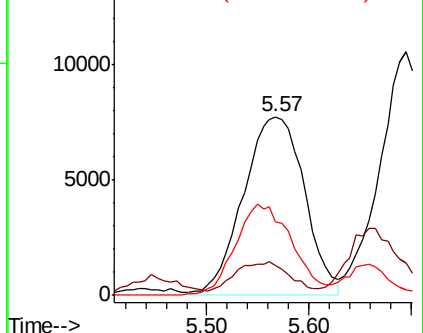
84 41.1 62.7 94.1#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0



#33

1,2-Dichloroethane-d4

Concen: 47.714 ug/l

RT: 6.07 min Scan# 806

Delta R.T. -0.00 min

Lab File: VX006023.D

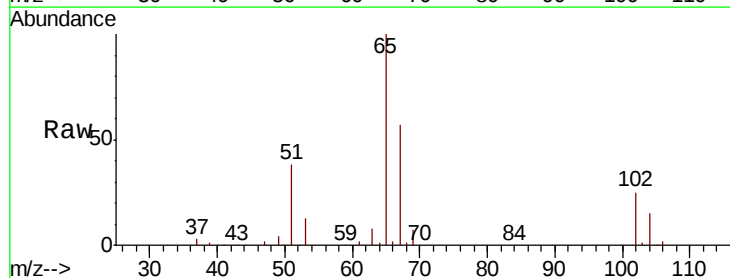
Acq: 15 Nov 2018 16:40

Tgt Ion: 65 Resp: 77664

Ion Ratio Lower Upper

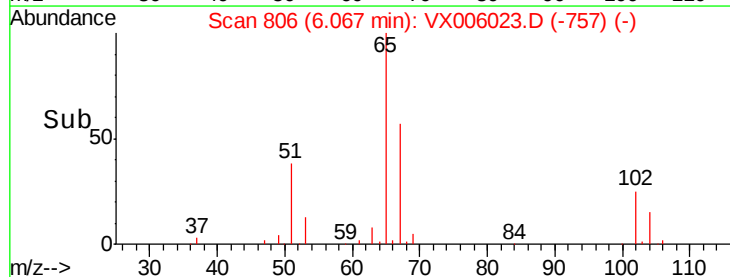
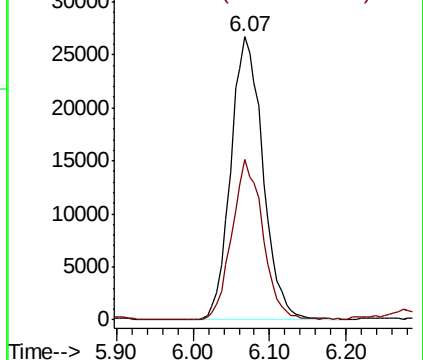
65 100

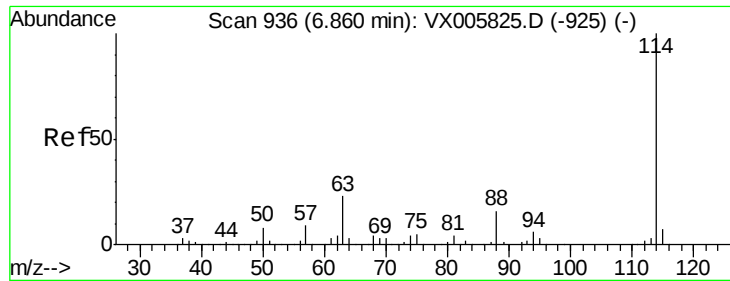
67 54.6 0.0 105.0



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

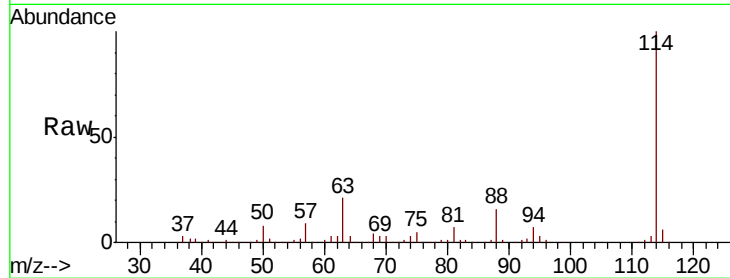




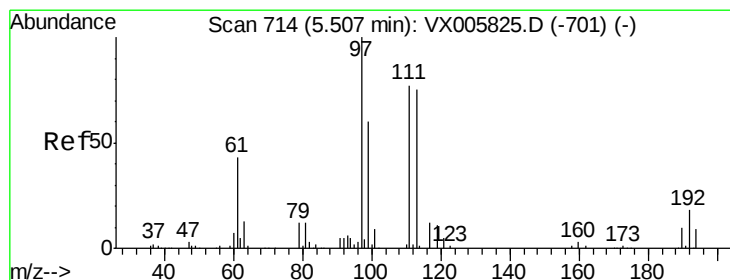
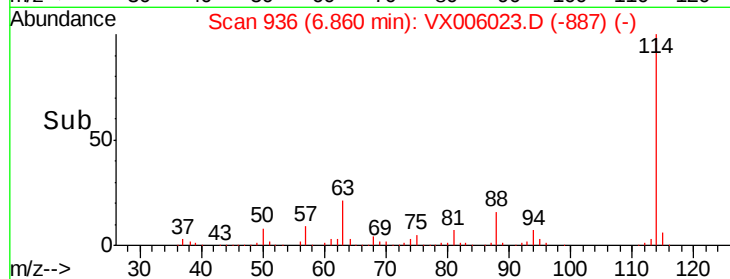
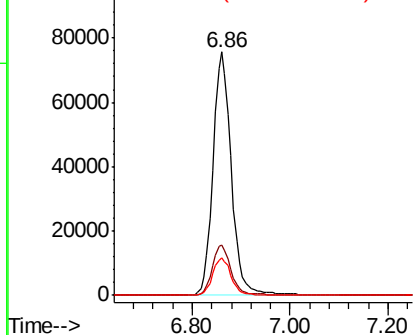
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: VX006023.D
 Acq: 15 Nov 2018 16:40

Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion:114 Resp: 197253
 Ion Ratio Lower Upper
 114 100
 63 20.7 0.0 42.8
 88 15.6 0.0 31.2

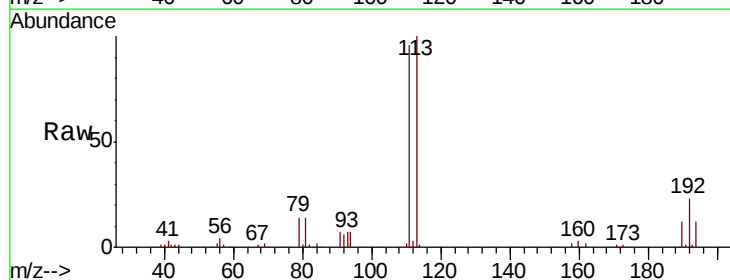


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VX0
 Ion 87.90 (87.60 to 88.60): VX0

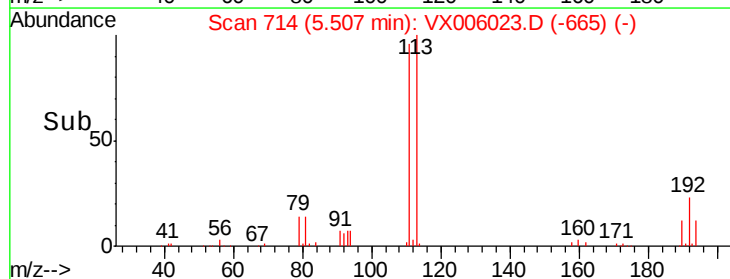
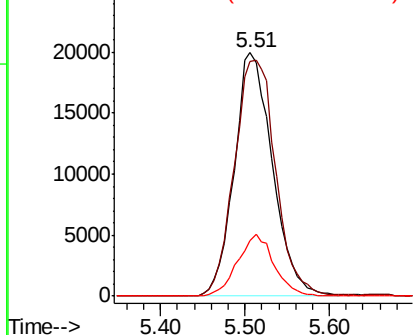


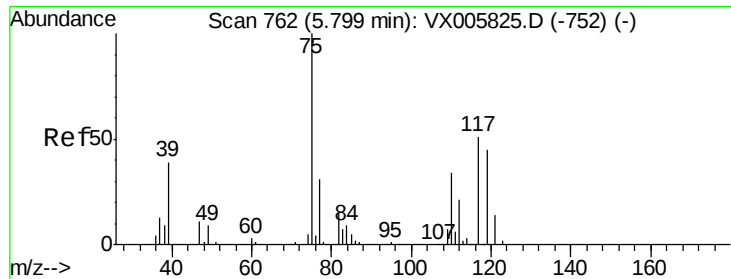
#35
 Dibromofluoromethane
 Concen: 45.828 ug/l
 RT: 5.51 min Scan# 714
 Delta R.T. -0.00 min
 Lab File: VX006023.D
 Acq: 15 Nov 2018 16:40

Tgt Ion:113 Resp: 61484
 Ion Ratio Lower Upper
 113 100
 111 104.8 82.3 123.5
 192 24.1 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

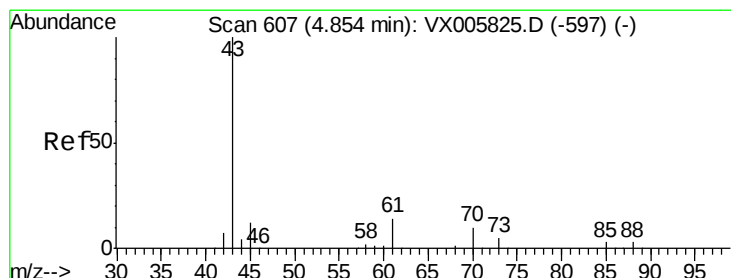
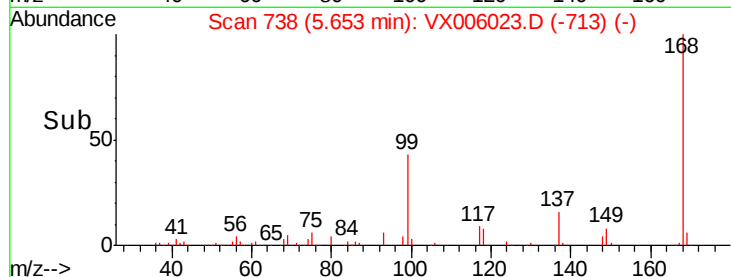
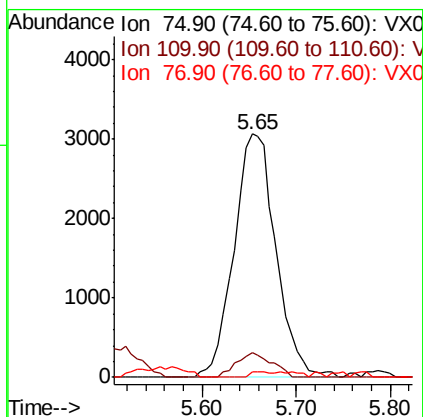
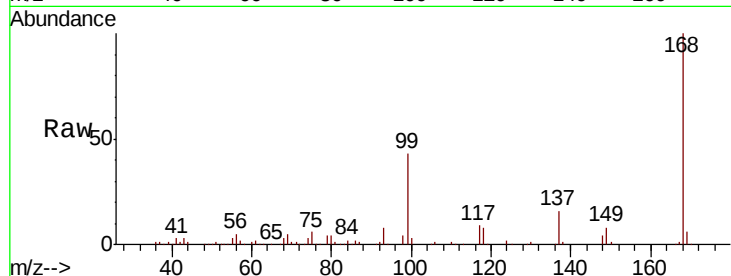




#36
 1,1-Dichloropropene
 Concen: 4.995 ug/l
 RT: 5.65 min Scan# 738
 Delta R.T. -0.15 min
 Lab File: VX006023.D
 Acq: 15 Nov 2018 16:40

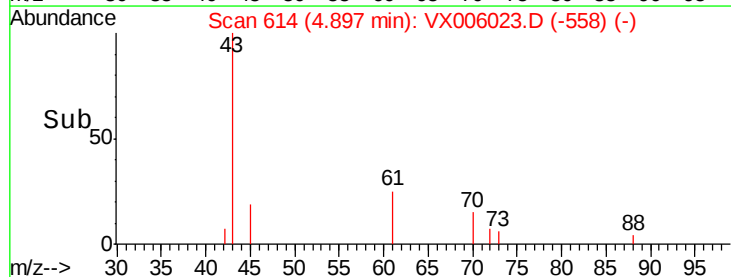
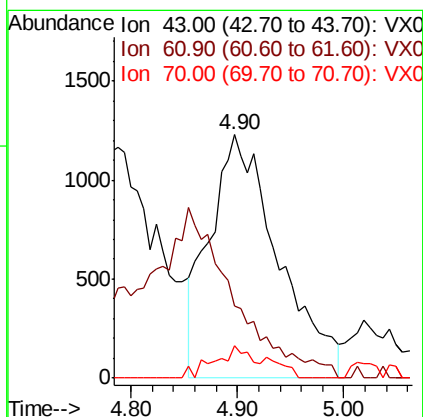
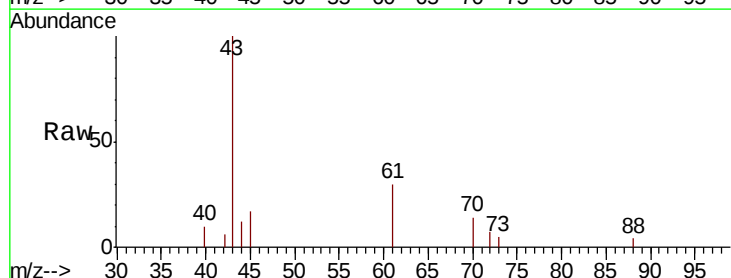
Instrument :
 MSVOA_X
 ClientSampled :

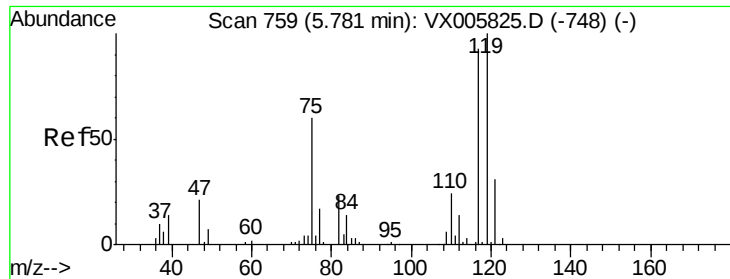
Tot Ion	Ratio	Lower	Upper
75	100		
110	8.6	17.4	52.2#
77	1.2	25.8	38.6#



#37
 Ethyl Acetate
 Concen: 2.206 ug/l
 RT: 4.90 min Scan# 614
 Delta R.T. 0.04 min
 Lab File: VX006023.D
 Acq: 15 Nov 2018 16:40

Tgt Ion	Ratio	Lower	Upper
43	100		
61	0.0	10.8	16.2#
70	7.1	7.8	11.8#





#38

Carbon Tetrachloride

Concen: 6.481 ug/l

RT: 5.65 min Scan# 738

Delta R.T. -0.13 min

Lab File: VX006023.D

Acq: 15 Nov 2018 16:40

Instrument :

MSVOA_X

ClientSampleId :

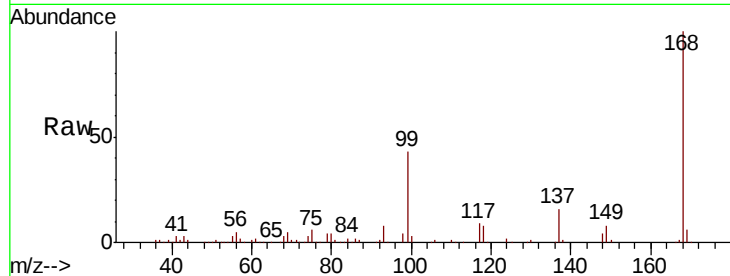
Tot Ion:117 Resp: 12338

Ion Ratio Lower Upper

117 100

119 4.4 78.1 117.1#

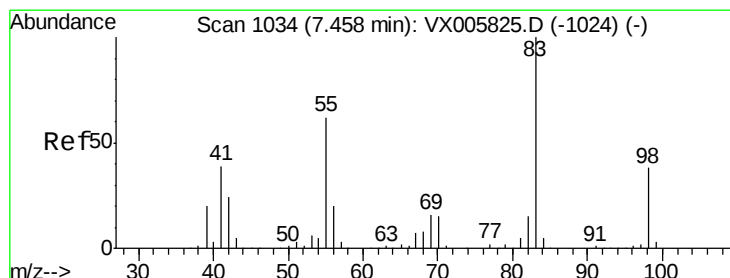
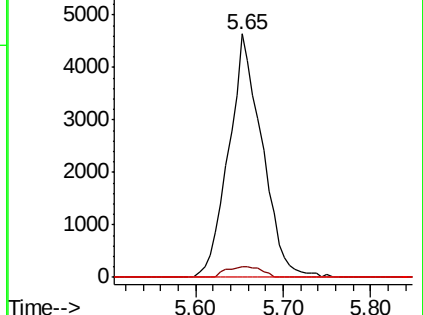
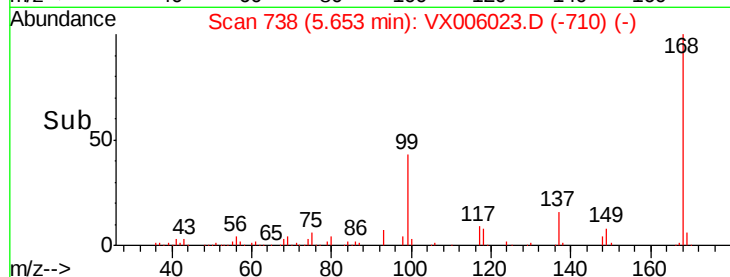
121 0.0 24.6 36.8#



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

Methylcyclohexane

Concen: 26.067 ug/l

RT: 7.45 min Scan# 1033

Delta R.T. -0.01 min

Lab File: VX006023.D

Acq: 15 Nov 2018 16:40

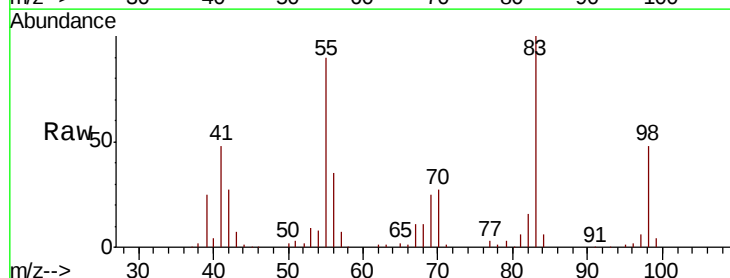
Tgt Ion: 83 Resp: 50238

Ion Ratio Lower Upper

83 100

55 89.3 63.7 95.5

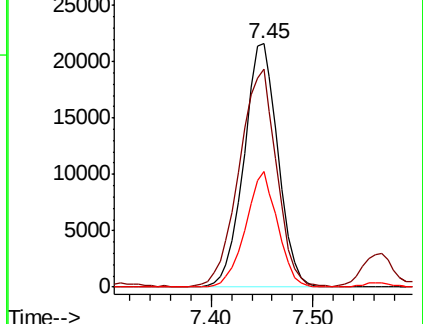
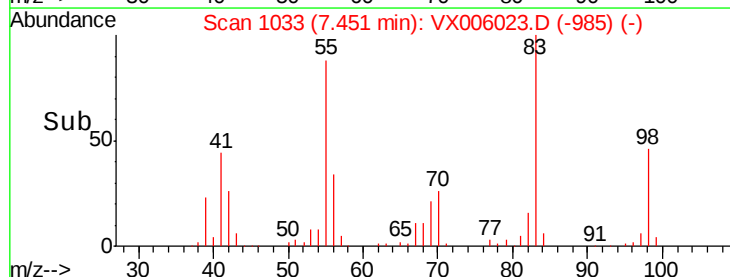
98 47.6 36.2 54.2

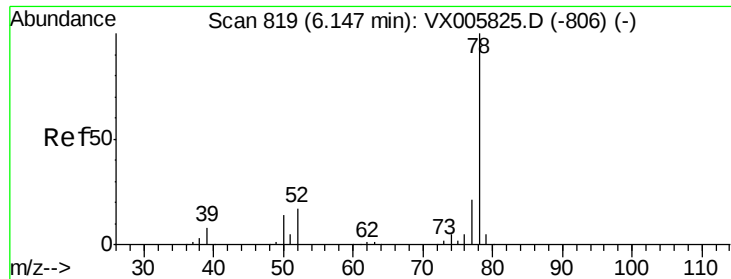


Abundance Ion 83.00 (82.70 to 83.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 98.00 (97.70 to 98.70): VX0





#40

Benzene

Concen: 3.855 ug/l

RT: 6.13 min Scan# 817

Delta R.T. -0.01 min

Lab File: VX006023.D

Acq: 15 Nov 2018 16:40

Instrument :

MSVOA_X

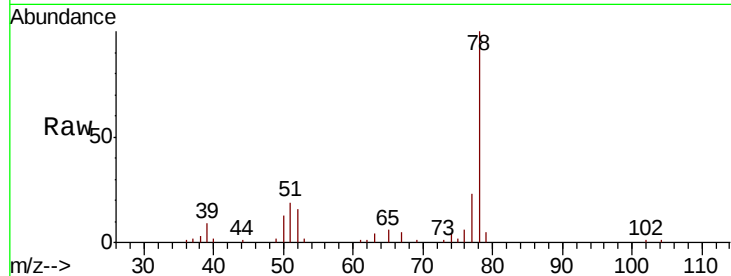
ClientSampleId :

Tot Ion: 78 Resp: 21372

Ion Ratio Lower Upper

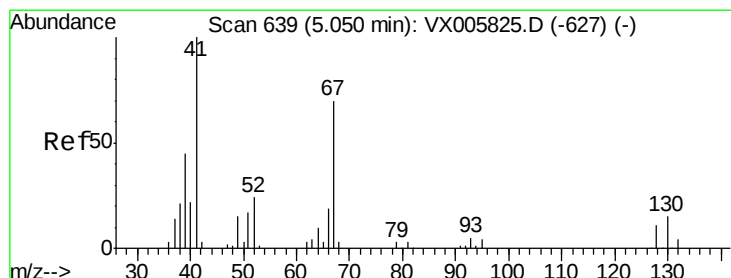
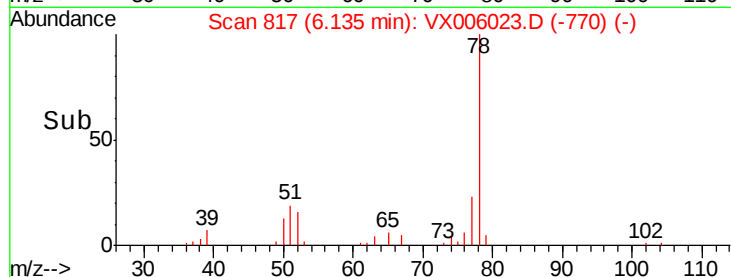
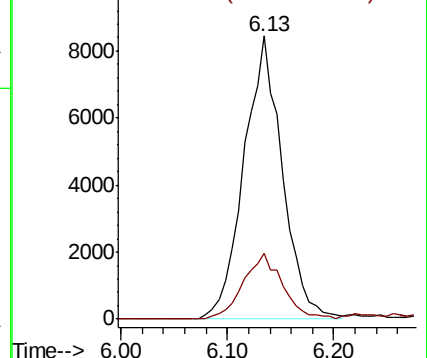
78 100

77 23.0 18.4 27.6



Abundance Ion 78.00 (77.70 to 78.70): VX0

Ion 77.00 (76.70 to 77.70): VX0



#41

Methacrylonitrile

Concen: 0.593 ug/l

RT: 5.02 min Scan# 635

Delta R.T. -0.02 min

Lab File: VX006023.D

Acq: 15 Nov 2018 16:40

Tgt Ion: 41 Resp: 801

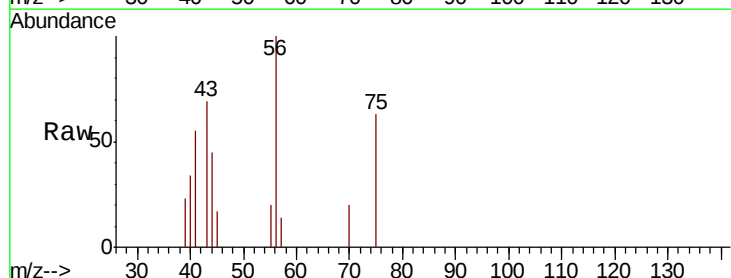
Ion Ratio Lower Upper

41 100

39 0.0 42.2 63.2#

67 0.0 53.4 80.0#

52 0.0 23.4 35.2#

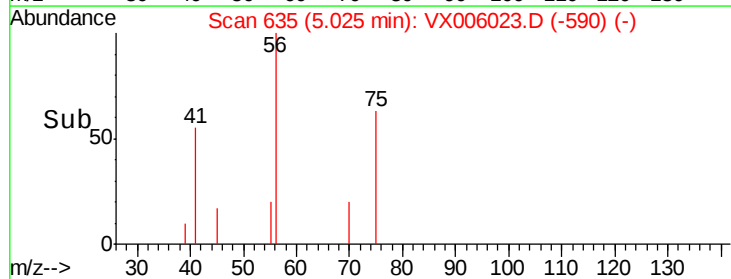
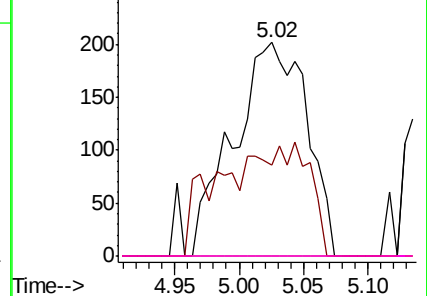


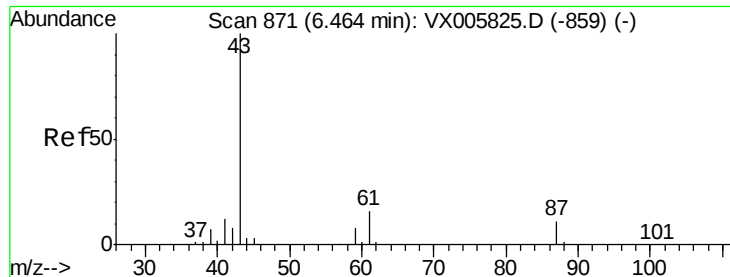
Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 67.00 (66.70 to 67.70): VX0

Ion 52.00 (51.70 to 52.70): VX0





#43

Isopropyl Acetate

Concen: 1.857 ug/l

RT: 6.46 min Scan# 870

Delta R.T. -0.01 min

Lab File: VX006023.D

Acq: 15 Nov 2018 16:40

Instrument :

MSVOA_X

ClientSampled :

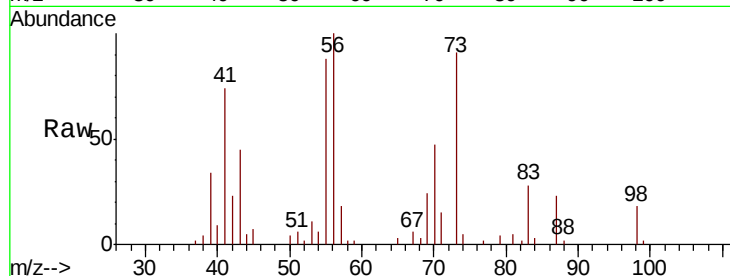
Tot Ion: 43 Resp: 6730

Ion Ratio Lower Upper

43 100

61 0.0 14.6 22.0#

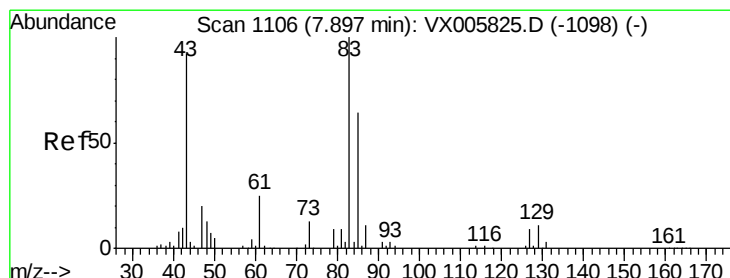
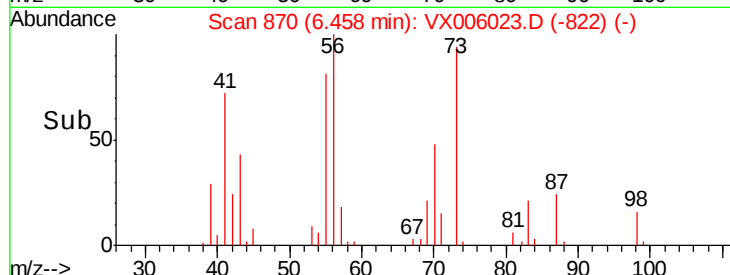
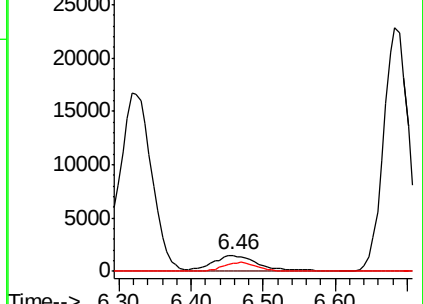
87 40.0 9.6 14.4#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 87.00 (86.70 to 87.70): VX0



#47

Bromodichloromethane

Concen: 0.944 ug/l

RT: 7.84 min Scan# 1096

Delta R.T. -0.06 min

Lab File: VX006023.D

Acq: 15 Nov 2018 16:40

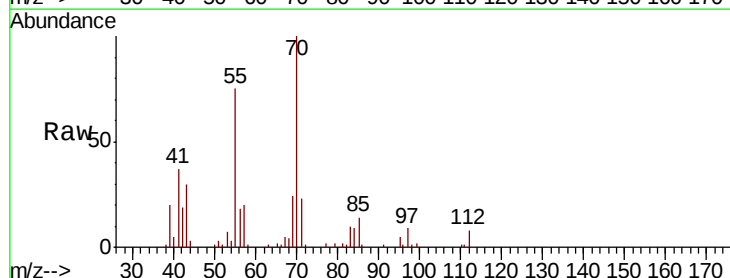
Tgt Ion: 83 Resp: 1506

Ion Ratio Lower Upper

83 100

85 143.5 50.2 75.4#

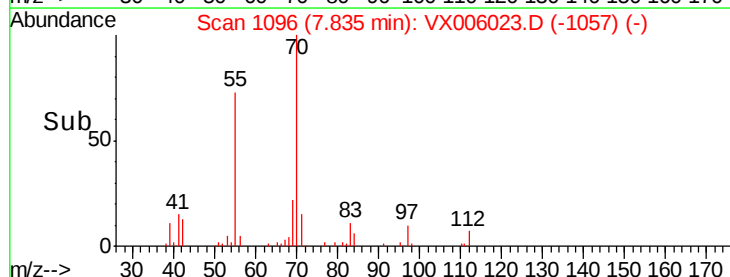
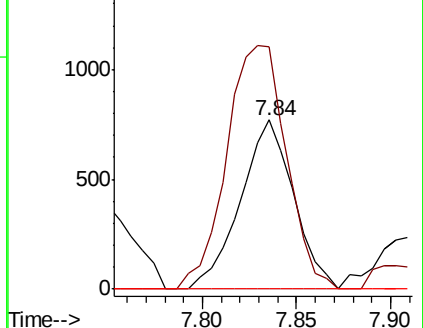
127 0.0 6.9 10.3#

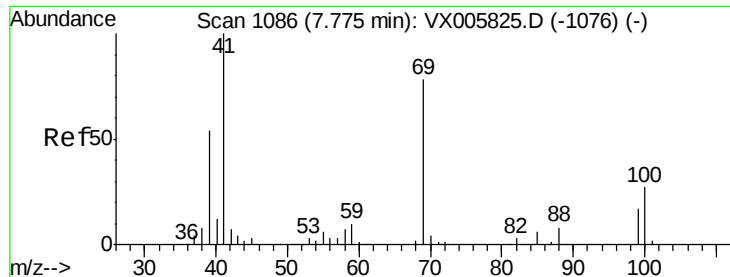


Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0

Ion 126.80 (126.50 to 127.50): V

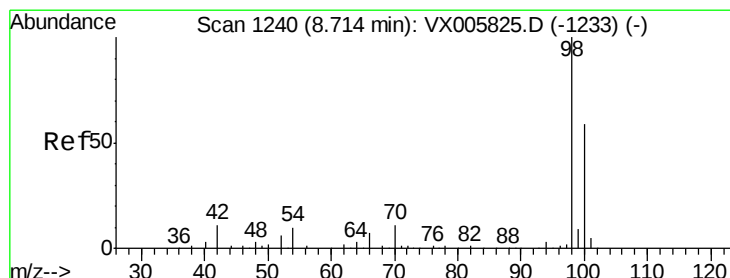
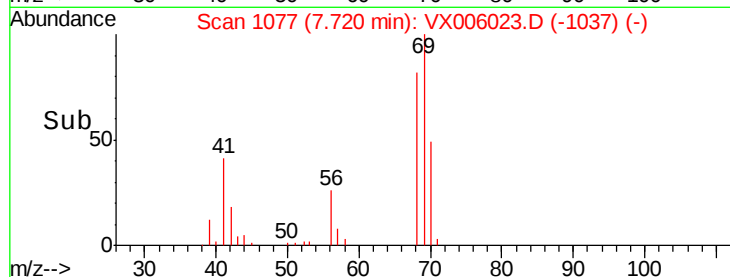
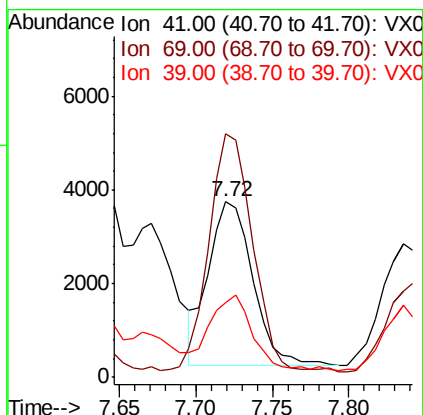
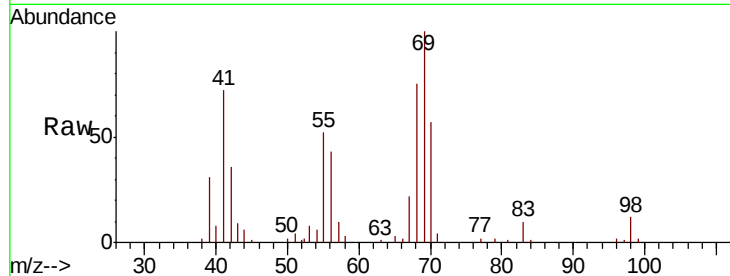




#48
Methvl methacrylate
Concen: 4.334 ug/l
RT: 7.72 min Scan# 1077
Delta R.T. -0.06 min
Lab File: VX006023.D
Acq: 15 Nov 2018 16:40

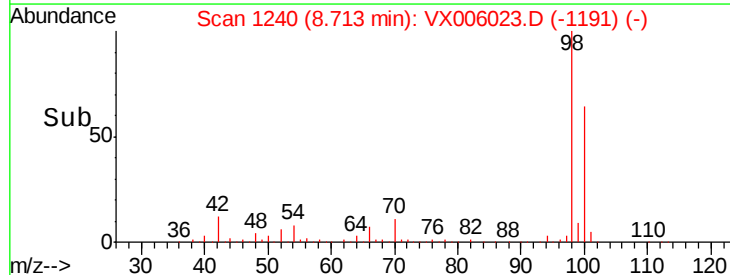
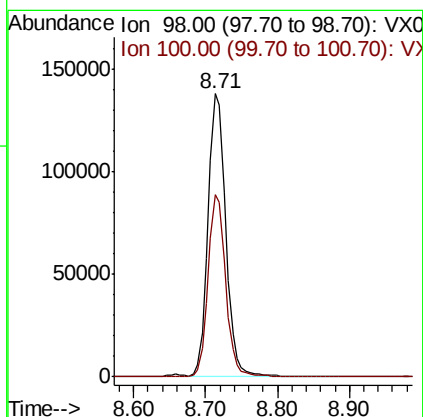
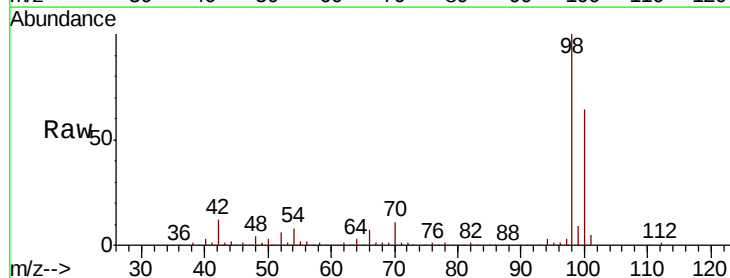
Instrument :
MSVOA_X
ClientSampleId :

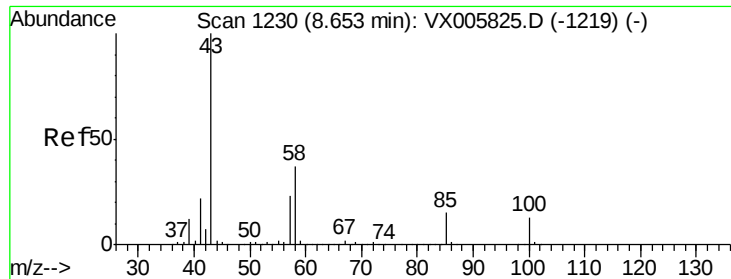
Tot Ion: 41 Resp: 7052
Ion Ratio Lower Upper
41 100
69 140.1 63.2 94.8#
39 45.1 42.2 63.2



#50
Toluene-d8
Concen: 53.091 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX006023.D
Acq: 15 Nov 2018 16:40

Tgt Ion: 98 Resp: 236804
Ion Ratio Lower Upper
98 100
100 63.7 51.3 76.9





#51

4-Methyl-2-Pentanone

Concen: 13.034 ug/l

RT: 8.67 min Scan# 1233

Delta R.T. 0.02 min

Lab File: VX006023.D

Acq: 15 Nov 2018 16:40

Instrument :

MSVOA_X

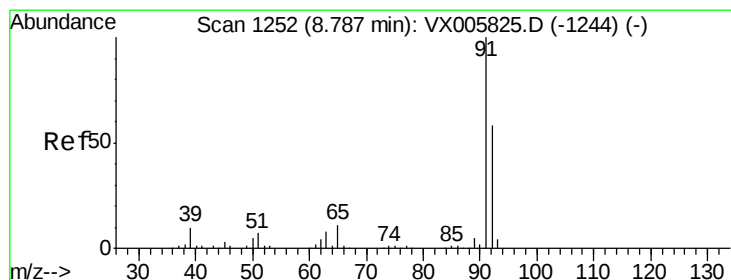
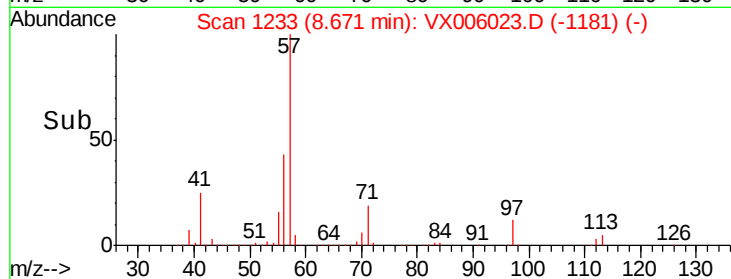
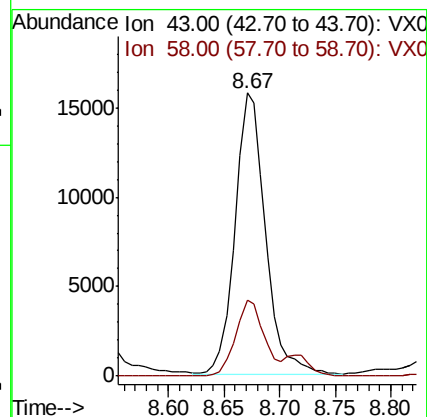
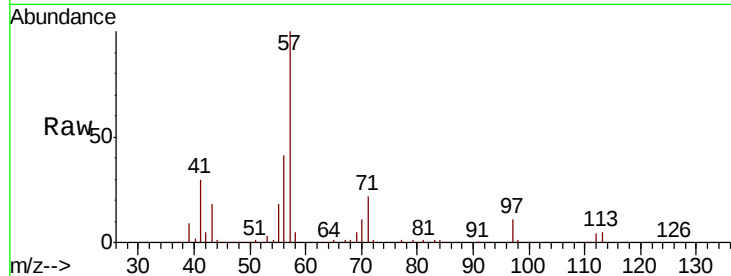
ClientSampleId :

Tot Ion: 43 Resp: 29764

Ion Ratio Lower Upper

43 100

58 25.7 29.7 44.5#



#52

Toluene

Concen: 4.851 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. -0.00 min

Lab File: VX006023.D

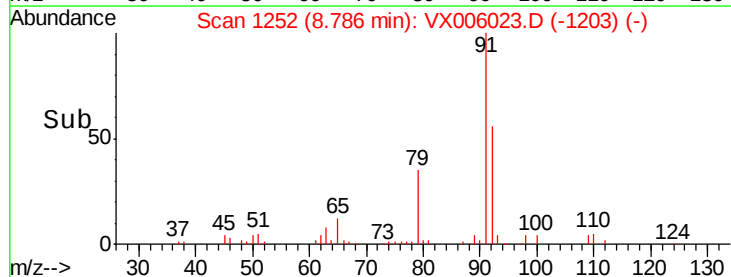
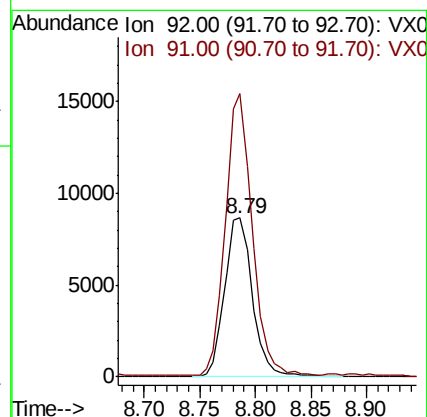
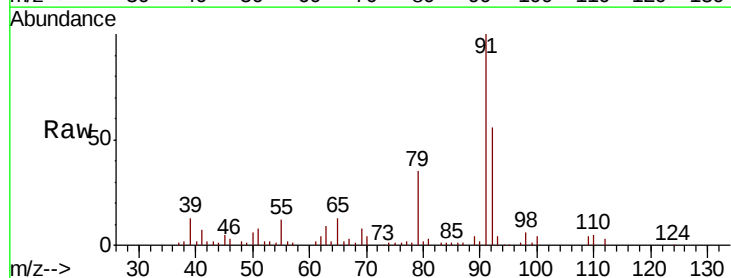
Acq: 15 Nov 2018 16:40

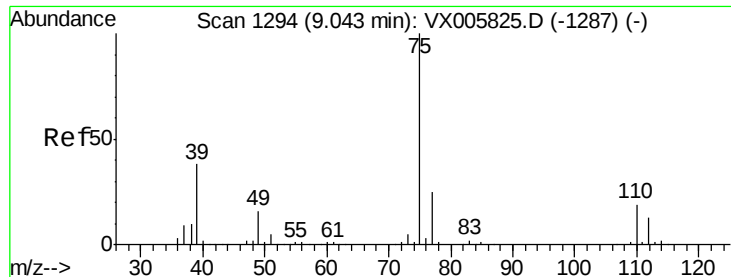
Tgt Ion: 92 Resp: 15029

Ion Ratio Lower Upper

92 100

91 170.7 140.4 210.6





#53

t-1,3-Dichloropropene

Concen: 0.235 ug/l

RT: 8.98 min Scan# 1283

Delta R.T. -0.07 min

Lab File: VX006023.D

Acq: 15 Nov 2018 16:40

Instrument :

MSVOA_X

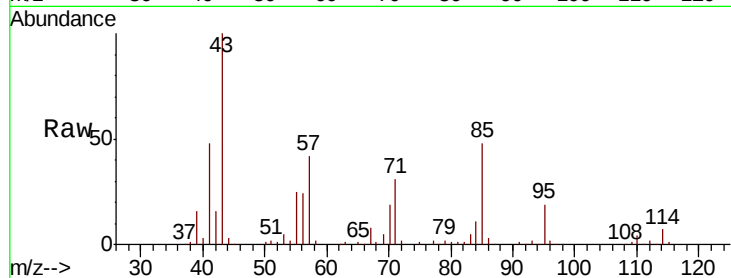
ClientSampleId :

Tot Ion: 75 Resp: 443

Ion Ratio Lower Upper

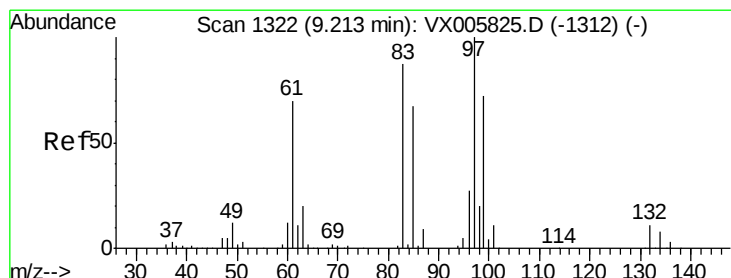
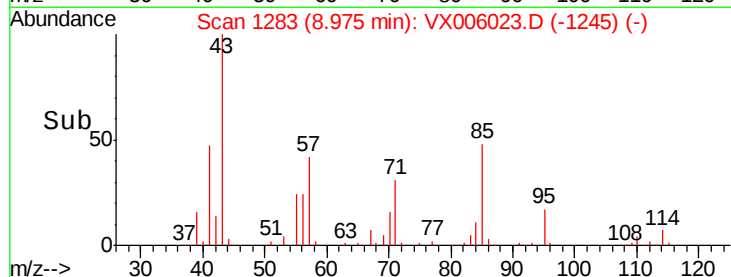
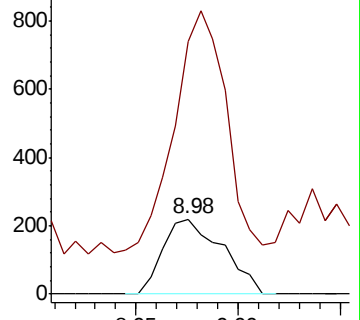
75 100

77 278.1 25.4 38.2#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0



#55

1,1,2-Trichloroethane

Concen: 0.724 ug/l

RT: 9.26 min Scan# 1330

Delta R.T. 0.05 min

Lab File: VX006023.D

Acq: 15 Nov 2018 16:40

Tgt Ion: 97 Resp: 1000

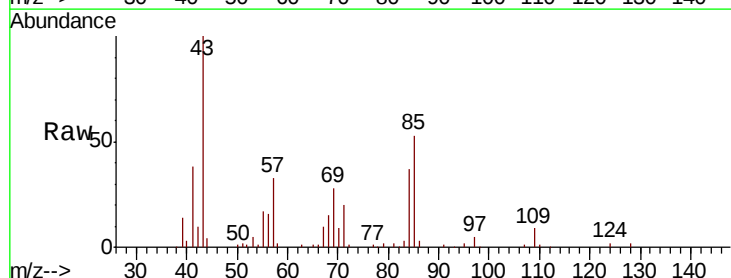
Ion Ratio Lower Upper

97 100

83 35.9 70.7 106.1#

85 978.0 45.8 68.6#

99 0.0 51.8 77.8#

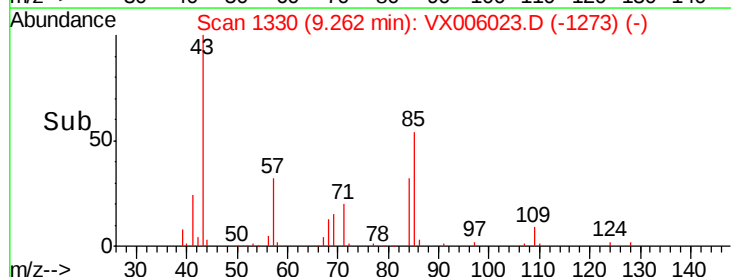
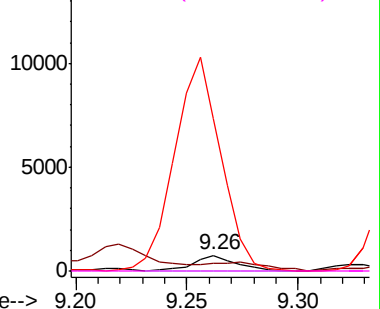


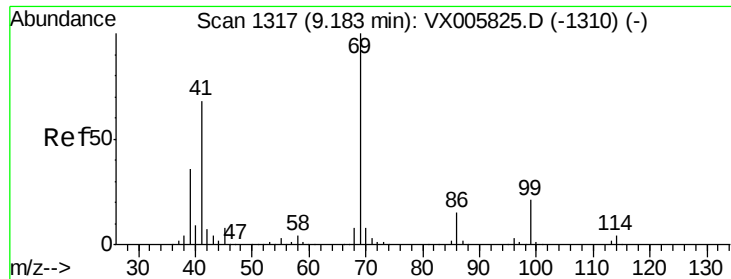
Abundance Ion 96.90 (96.60 to 97.60): VX0

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

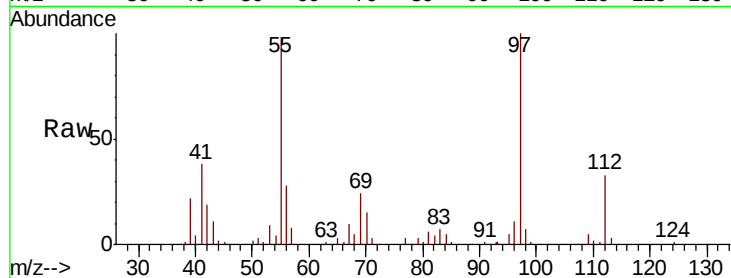




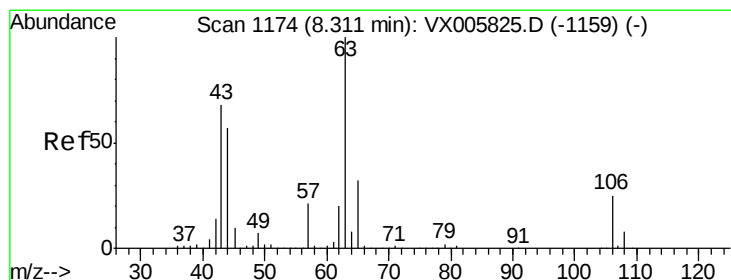
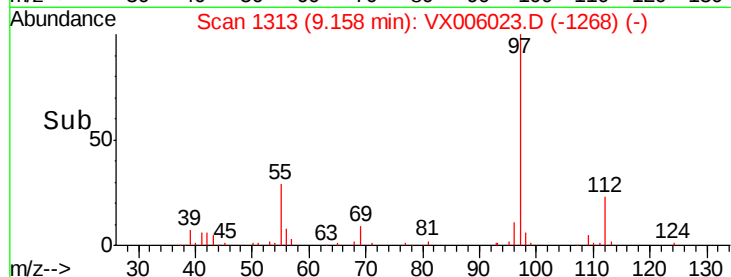
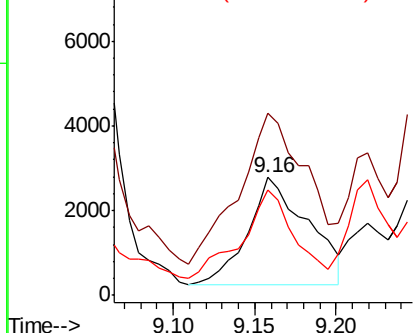
#56
Ethyl methacrylate
Concen: 3.139 ug/l
RT: 9.16 min Scan# 1313
Delta R.T. -0.02 min
Lab File: VX006023.D
Acq: 15 Nov 2018 16:40

Instrument :
MSVOA_X
ClientSampled :

Tot Ion: 69 Resp: 6485
Ion Ratio Lower Upper
69 100
41 155.3 57.0 85.6#
39 70.0 28.3 42.5#

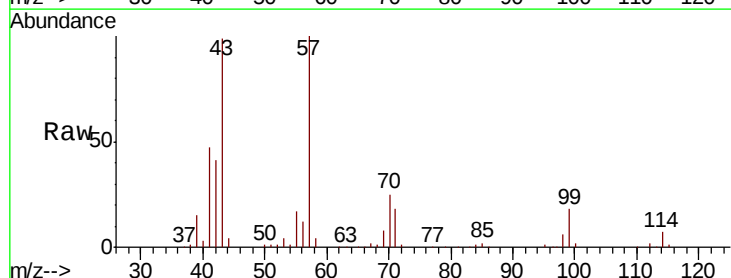


Abundance Ion 69.00 (68.70 to 69.70): VX0
Ion 41.00 (40.70 to 41.70): VX0
Ion 39.00 (38.70 to 39.70): VX0

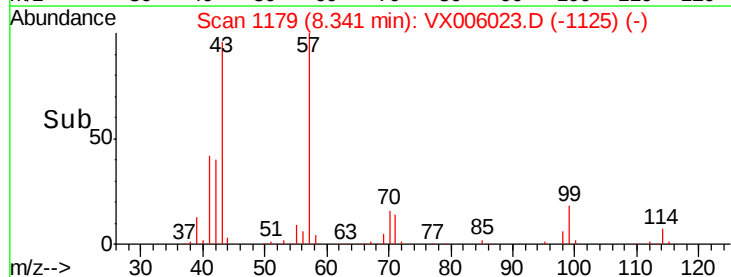
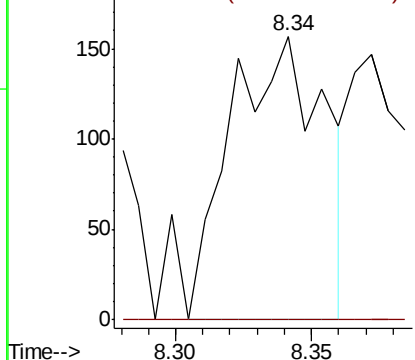


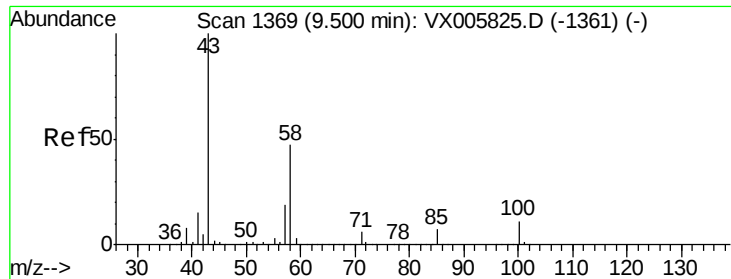
#58
2-Chloroethyl Vinyl ether
Concen: 8.600 ug/l
RT: 8.34 min Scan# 1179
Delta R.T. 0.03 min
Lab File: VX006023.D
Acq: 15 Nov 2018 16:40

Tgt Ion: 63 Resp: 375
Ion Ratio Lower Upper
63 100
106 0.0 21.3 31.9#



Abundance Ion 62.90 (62.60 to 63.60): VX0
Ion 105.90 (105.60 to 106.60): V

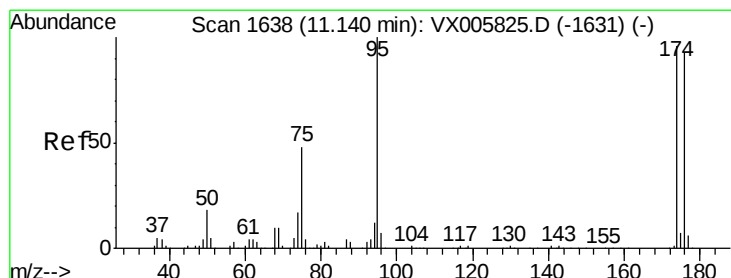
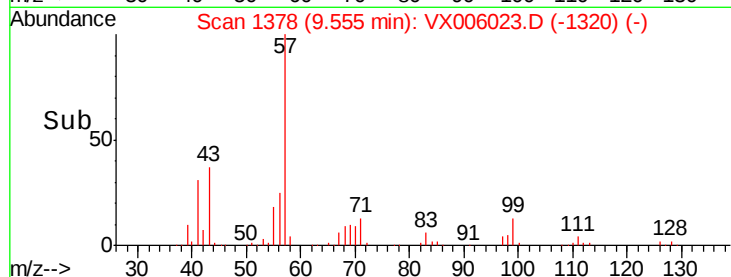
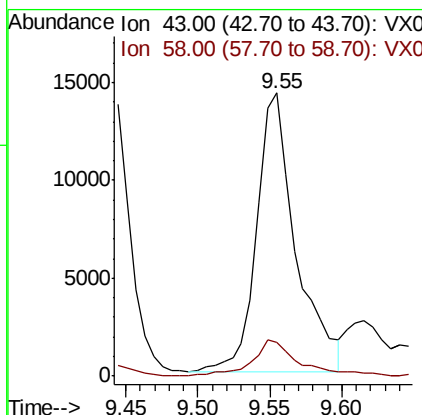
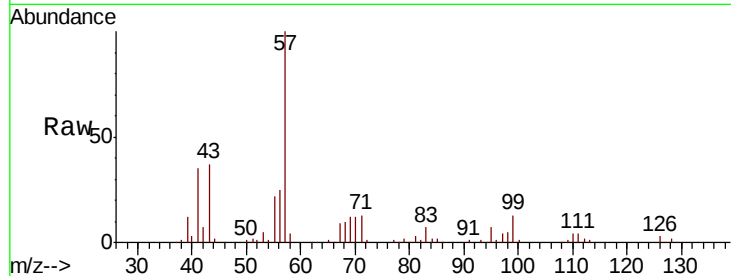




#59
2-Hexanone
Concen: 13.430 ug/l
RT: 9.55 min Scan# 1378
Delta R.T. 0.05 min
Lab File: VX006023.D
Acq: 15 Nov 2018 16:40

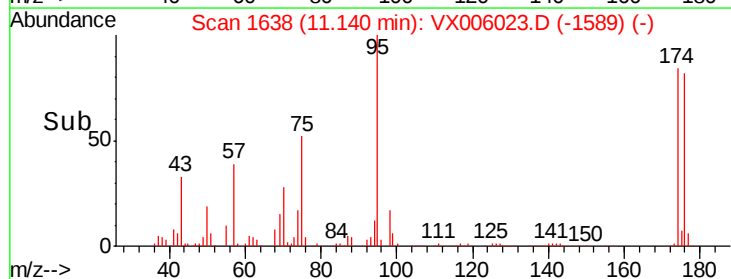
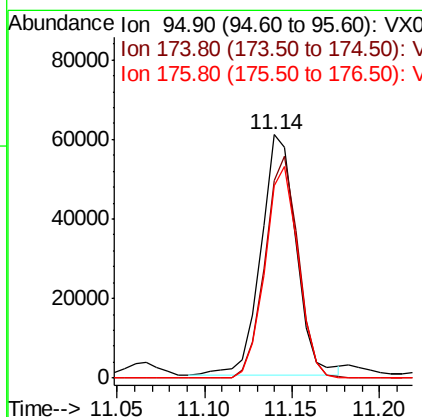
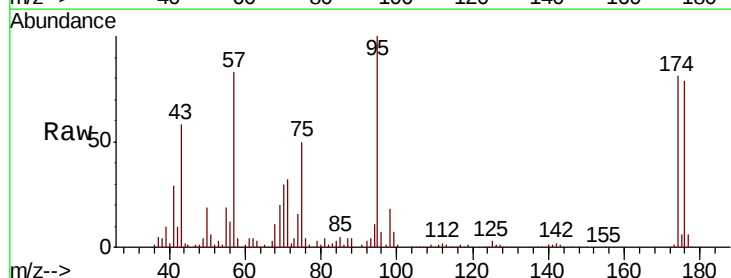
Instrument :
MSVOA_X
ClientSampleId :

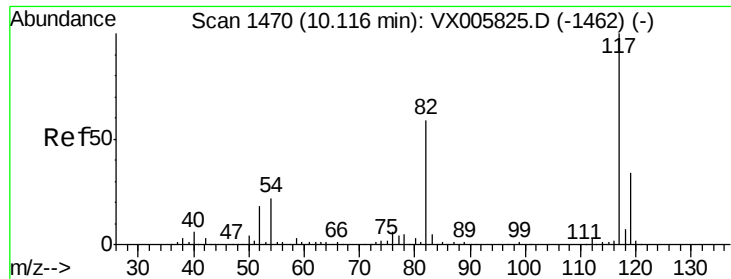
Tot Ion: 43 Resp: 27033
Ion Ratio Lower Upper
43 100
58 15.6 25.9 77.8#



#62
4-Bromofluorobenzene
Concen: 52.567 ug/l
RT: 11.14 min Scan# 1638
Delta R.T. -0.00 min
Lab File: VX006023.D
Acq: 15 Nov 2018 16:40

Tgt Ion: 95 Resp: 84299
Ion Ratio Lower Upper
95 100
174 87.7 0.0 184.4
176 83.9 0.0 177.4

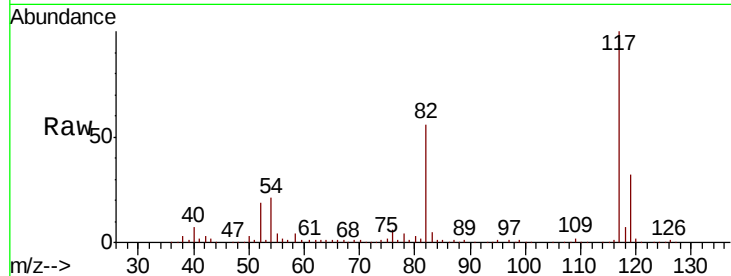




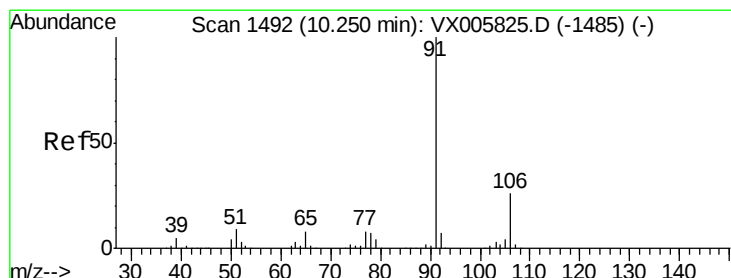
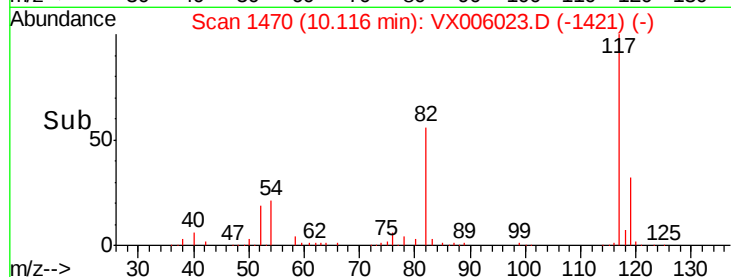
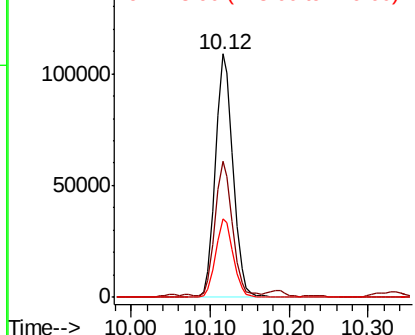
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. -0.00 min
Lab File: VX006023.D
Acq: 15 Nov 2018 16:40

Instrument :
MSVOA_X
ClientSampled :

Tot Ion:117 Resp: 169467
Ion Ratio Lower Upper
117 100
82 55.7 44.1 66.1
119 32.3 26.2 39.2

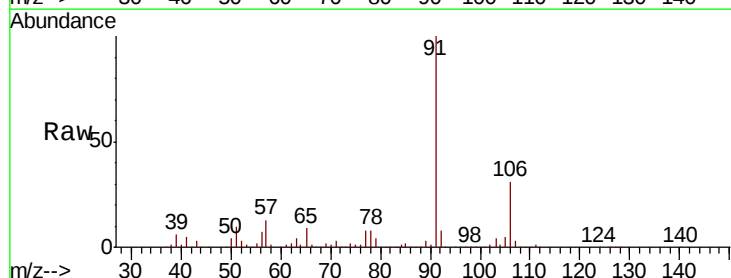


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

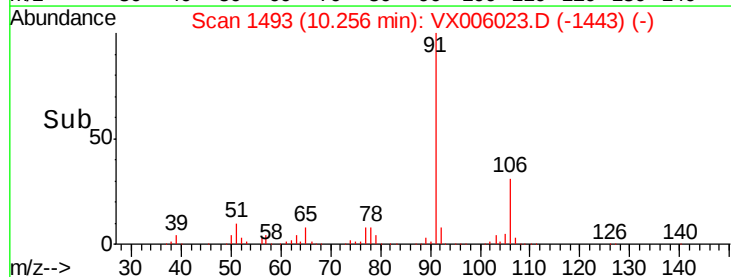
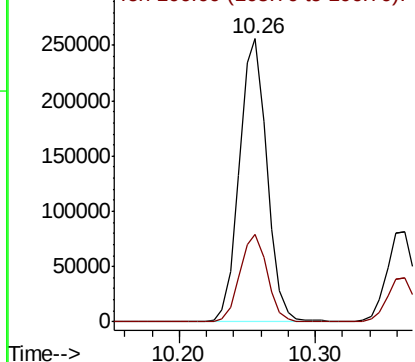


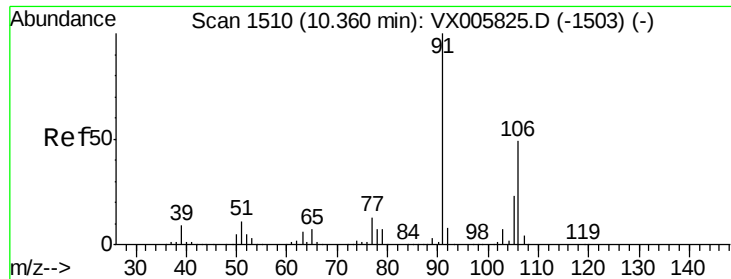
#67
Ethyl Benzene
Concen: 66.375 ug/l
RT: 10.26 min Scan# 1493
Delta R.T. 0.01 min
Lab File: VX006023.D
Acq: 15 Nov 2018 16:40

Tgt Ion: 91 Resp: 361342
Ion Ratio Lower Upper
91 100
106 31.1 24.4 36.6



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

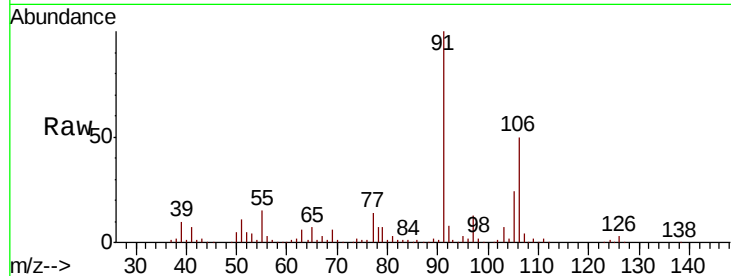




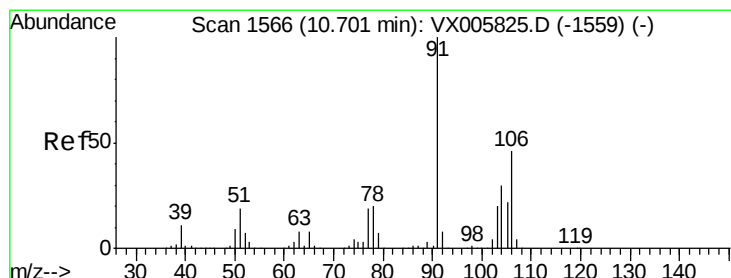
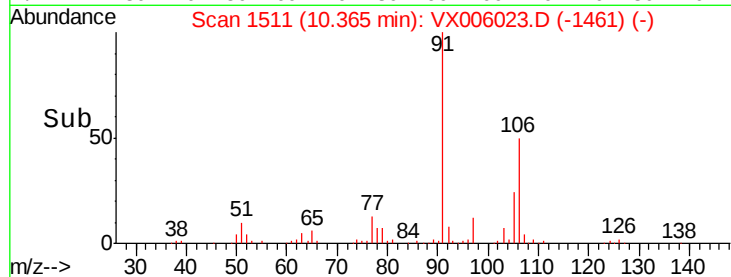
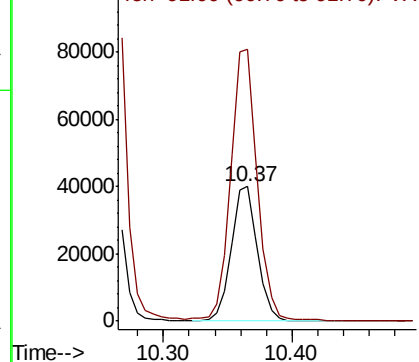
#68
m/p-Xylenes
Concen: 27.535 ug/l
RT: 10.37 min Scan# 1511
Delta R.T. 0.01 min
Lab File: VX006023.D
Acq: 15 Nov 2018 16:40

Instrument :
MSVOA_X
ClientSampled :

Tot Ion:106 Resp: 57176
Ion Ratio Lower Upper
106 100
91 203.9 164.2 246.4

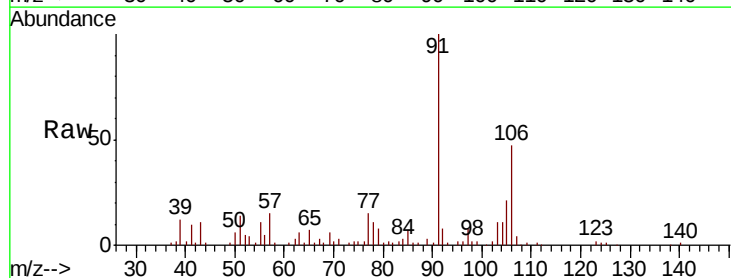


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VX0

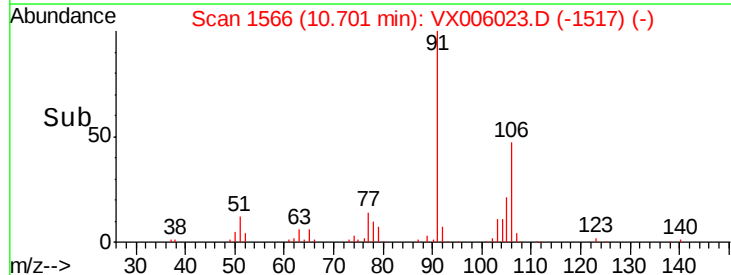
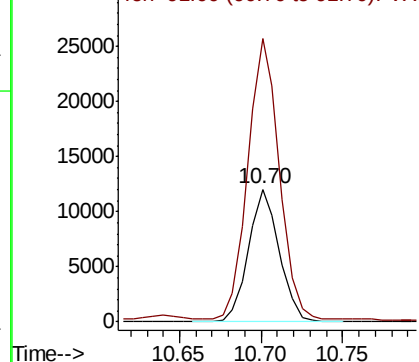


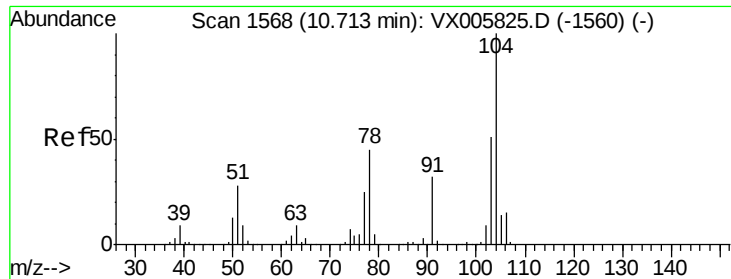
#69
o-Xylene
Concen: 8.510 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. -0.00 min
Lab File: VX006023.D
Acq: 15 Nov 2018 16:40

Tgt Ion:106 Resp: 15845
Ion Ratio Lower Upper
106 100
91 214.4 108.5 325.5



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

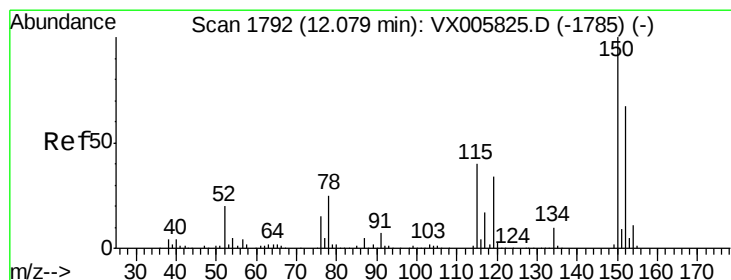
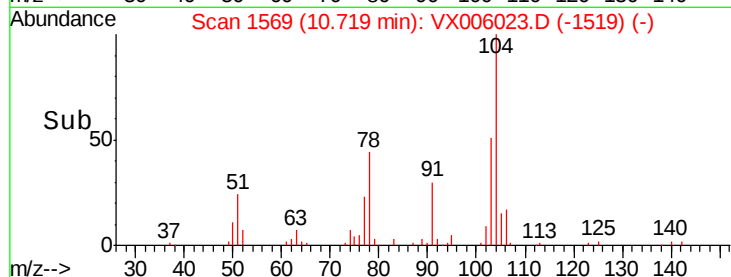
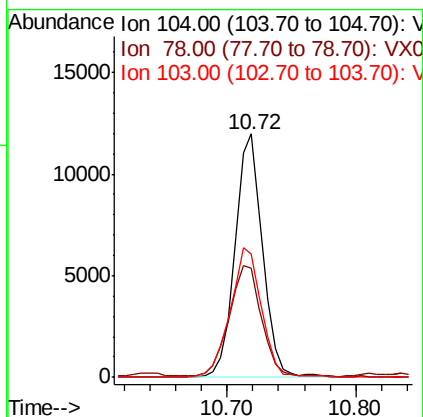
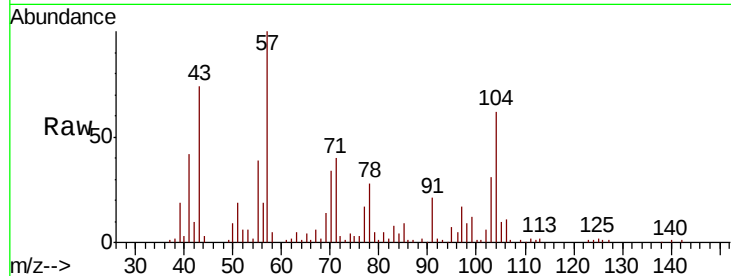




#70
Stvrene
Concen: 5.778 ug/l
RT: 10.72 min Scan# 1569
Delta R.T. 0.01 min
Lab File: VX006023.D
Acq: 15 Nov 2018 16:40

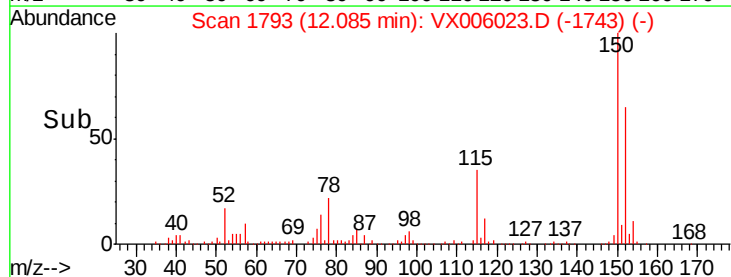
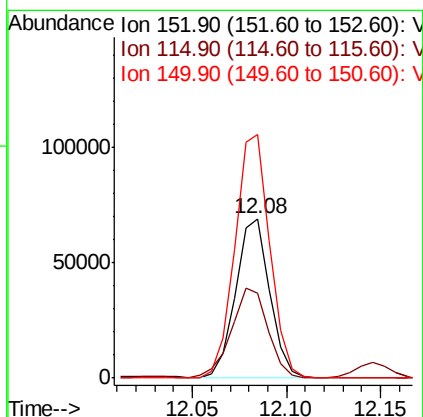
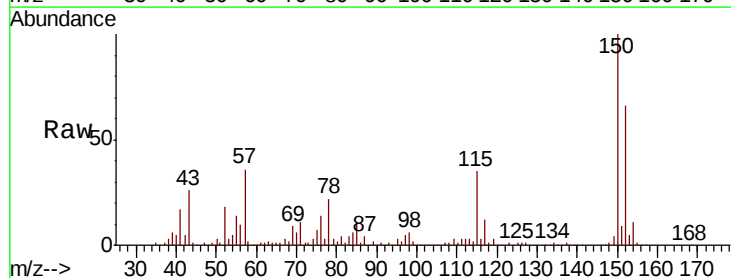
Instrument :
MSVOA_X
ClientSampleId :

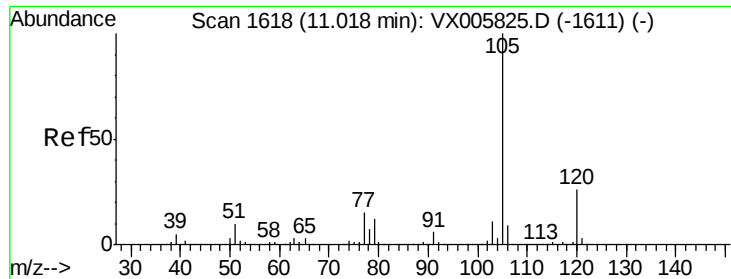
Tot Ion:104 Resp: 17748
Ion Ratio Lower Upper
104 100
78 56.0 40.2 60.4
103 60.9 44.9 67.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1793
Delta R.T. 0.01 min
Lab File: VX006023.D
Acq: 15 Nov 2018 16:40

Tgt Ion:152 Resp: 86799
Ion Ratio Lower Upper
152 100
115 60.2 39.4 118.1
150 156.6 0.0 346.4

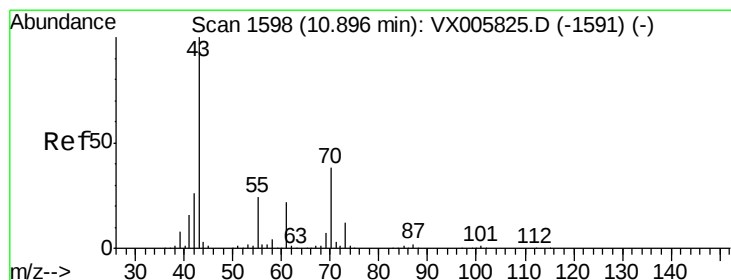
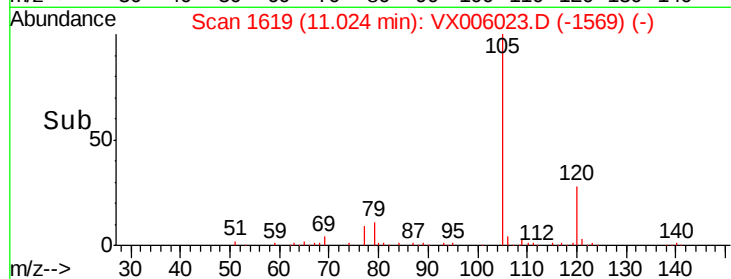
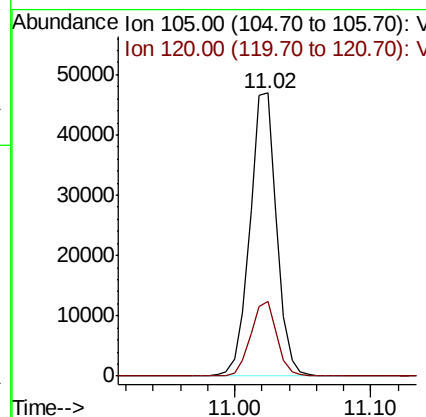
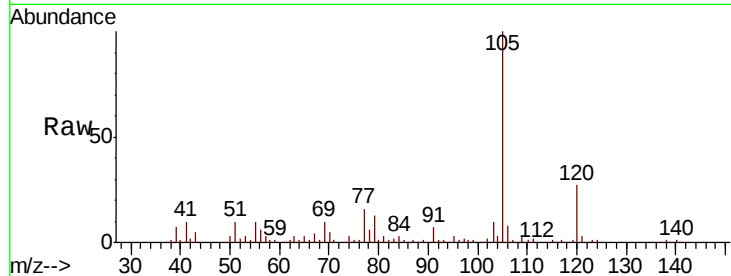




#73
Isopropylbenzene
Concen: 12.877 ug/l
RT: 11.02 min Scan# 1619
Delta R.T. 0.01 min
Lab File: VX006023.D
Acq: 15 Nov 2018 16:40

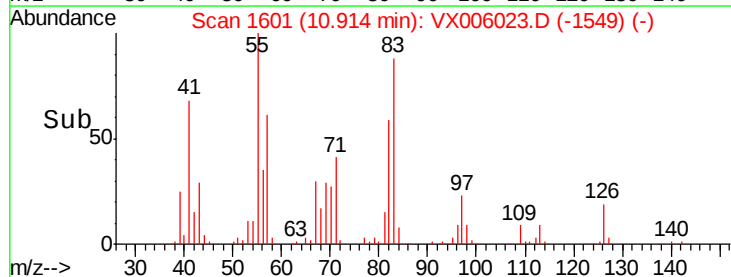
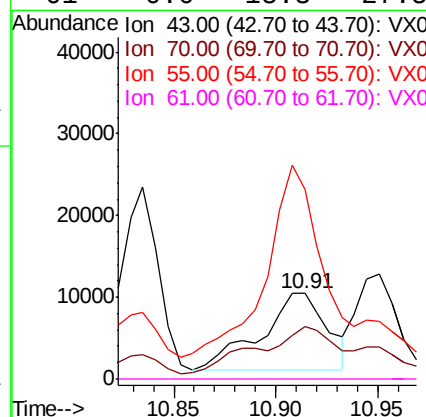
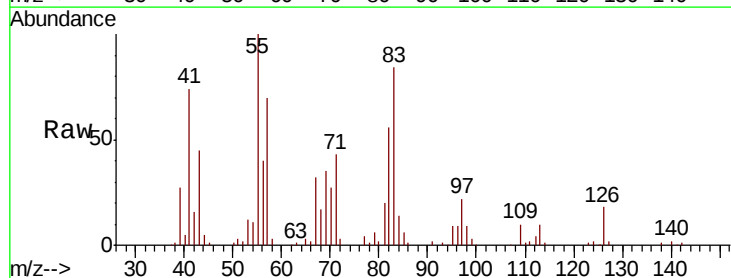
Instrument :
MSVOA_X
ClientSampled :

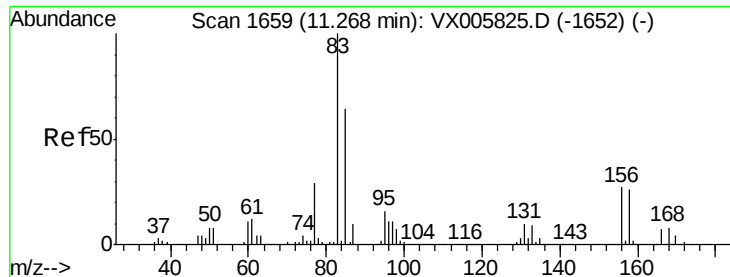
Tot Ion:105 Resp: 64635
Ion Ratio Lower Upper
105 100
120 25.8 13.1 39.3



#74
N-ethyl acetate
Concen: 8.649 ug/l
RT: 10.91 min Scan# 1601
Delta R.T. 0.02 min
Lab File: VX006023.D
Acq: 15 Nov 2018 16:40

Tgt Ion: 43 Resp: 21372
Ion Ratio Lower Upper
43 100
70 72.2 31.6 47.4#
55 232.7 19.7 29.5#
61 0.0 18.3 27.5#





#75

1,1,2,2-Tetrachloroethane

Concen: 5.004 ug/l

RT: 11.27 min Scan# 1660

Delta R.T. 0.01 min

Lab File: VX006023.D

Acq: 15 Nov 2018 16:40

Instrument :

MSVOA_X

ClientSampled :

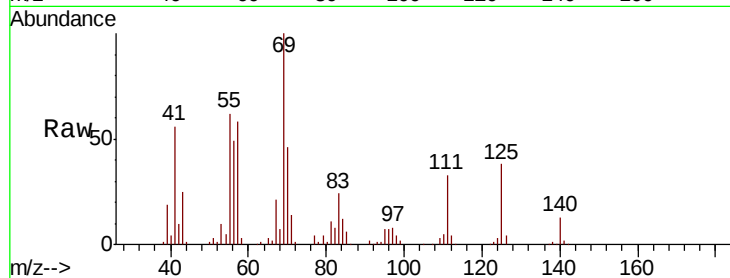
Tot Ion: 83 Resp: 9219

Ion Ratio Lower Upper

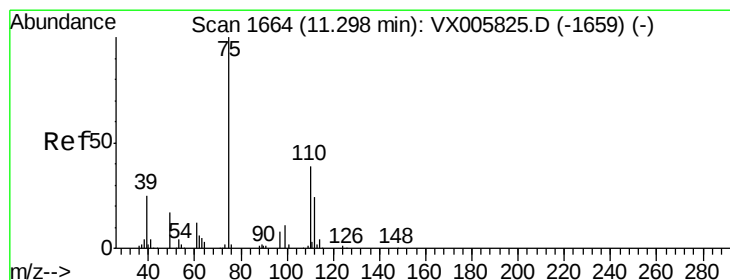
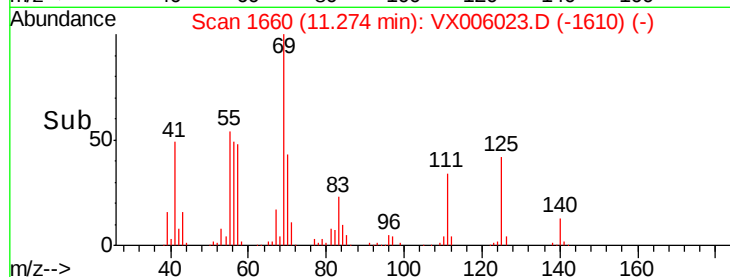
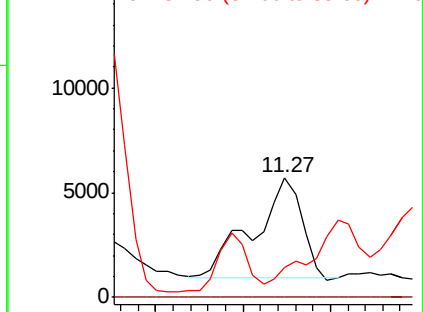
83 100

131 0.0 5.3 15.9#

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: 0.948 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. 0.06 min

Lab File: VX006023.D

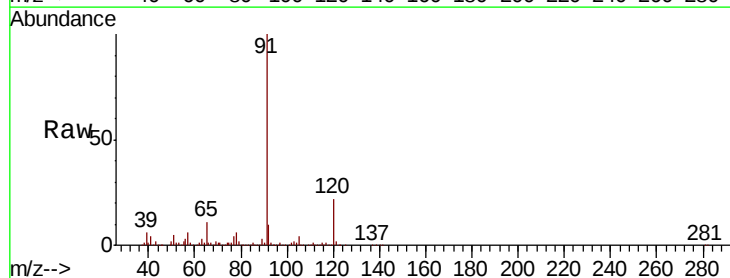
Acq: 15 Nov 2018 16:40

Tgt Ion: 75 Resp: 1676

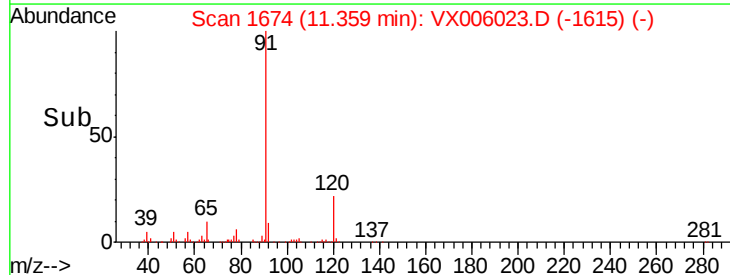
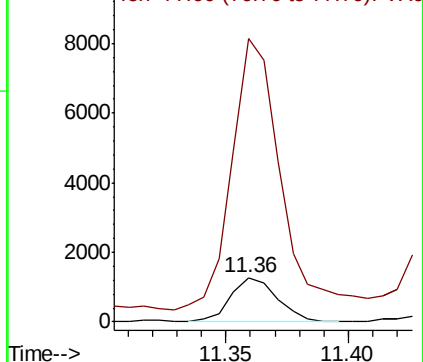
Ion Ratio Lower Upper

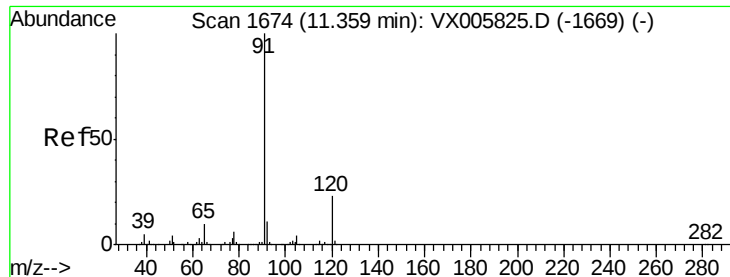
75 100

77 652.0 20.5 61.6#



Abundance Ion 74.90 (74.60 to 75.60): VX0
Ion 77.00 (76.70 to 77.70): VX0





#78

n-propylbenzene

Concen: 45.471 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. -0.00 min

Lab File: VX006023.D

Acq: 15 Nov 2018 16:40

Instrument :

MSVOA_X

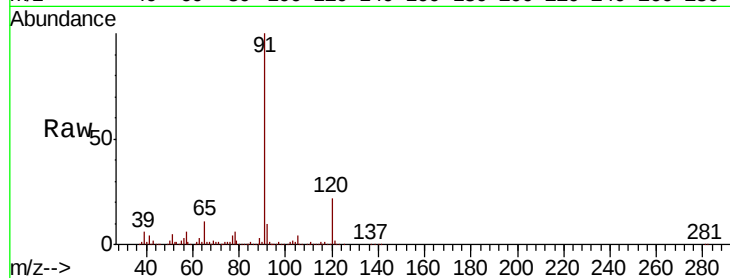
ClientSampleId :

Tot Ion: 91 Resp: 268989

Ion Ratio Lower Upper

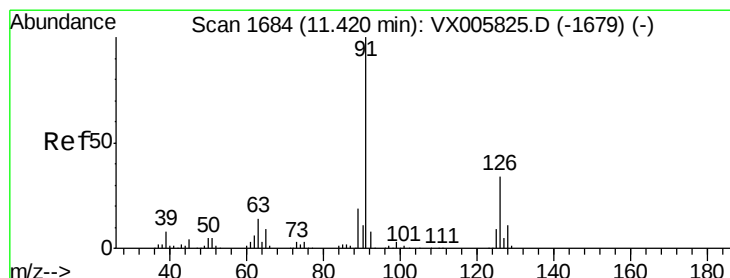
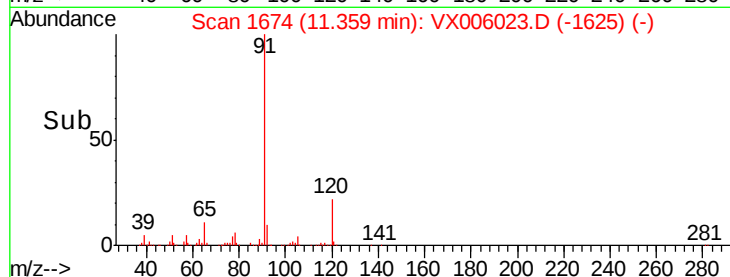
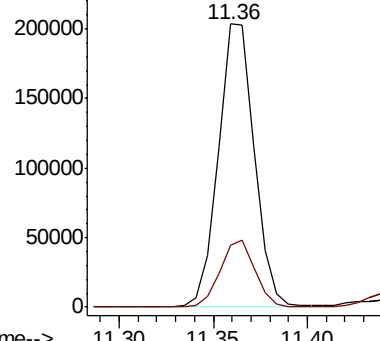
91 100

120 23.0 11.9 35.5



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V



#79

2-Chlorotoluene

Concen: 7.959 ug/l

RT: 11.46 min Scan# 1690

Delta R.T. 0.04 min

Lab File: VX006023.D

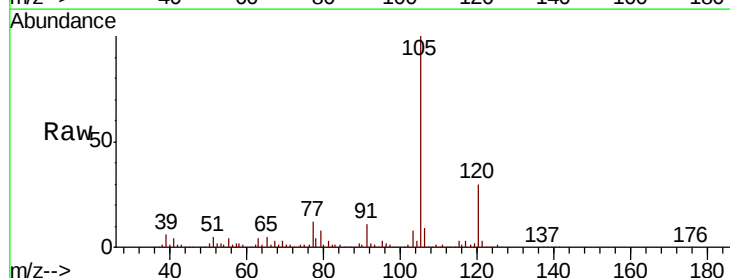
Acq: 15 Nov 2018 16:40

Tgt Ion: 91 Resp: 28459

Ion Ratio Lower Upper

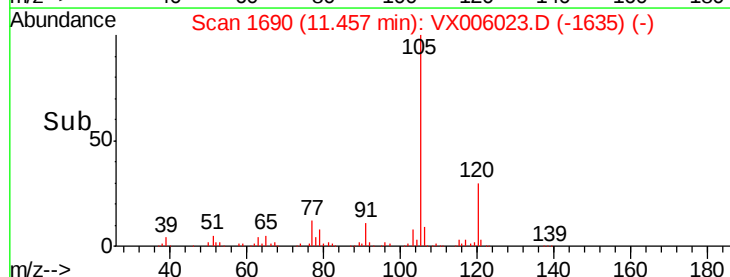
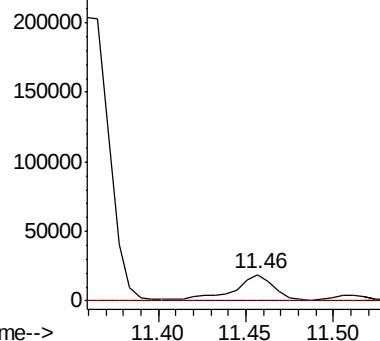
91 100

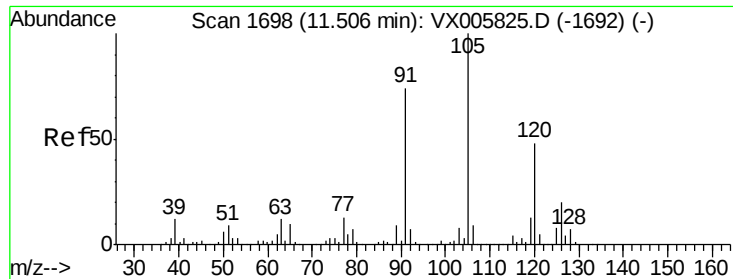
126 0.0 17.3 52.0#



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V

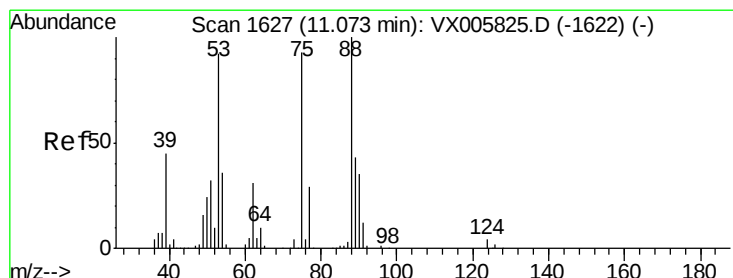
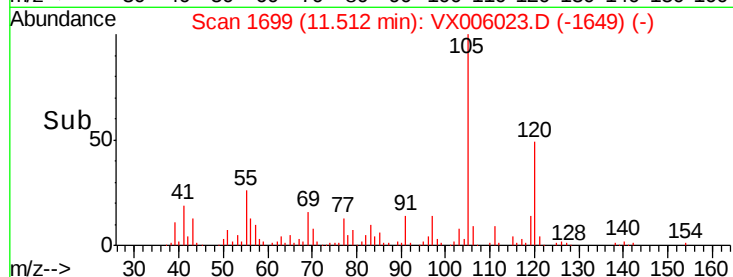
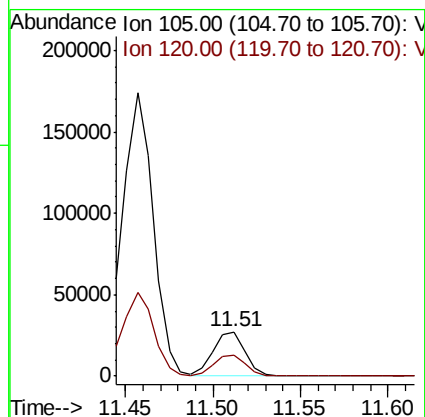
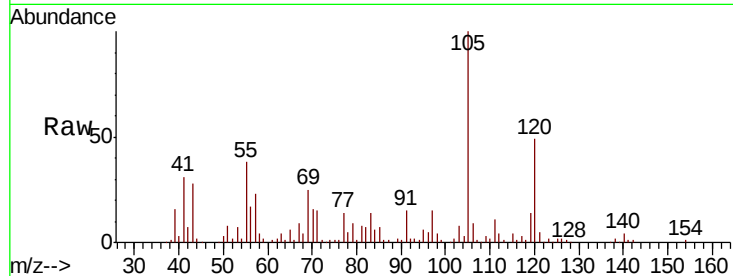




#80
 1,3,5-Trimethylbenzene
 Concen: 8.062 ug/l
 RT: 11.51 min Scan# 1699
 Delta R.T. 0.01 min
 Lab File: VX006023.D
 Acq: 15 Nov 2018 16:40

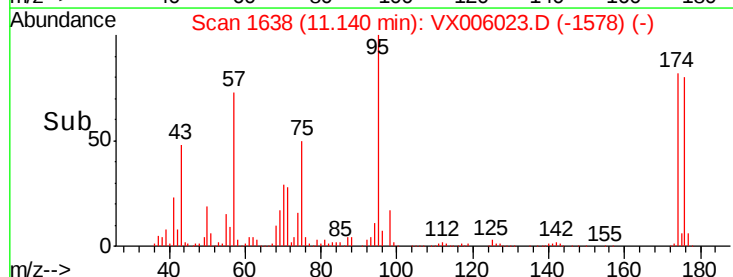
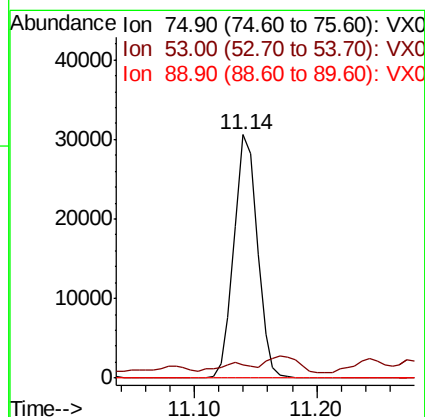
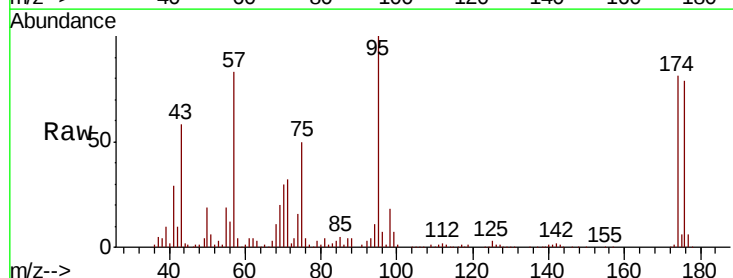
Instrument :
 MSVOA_X
 ClientSampleId :

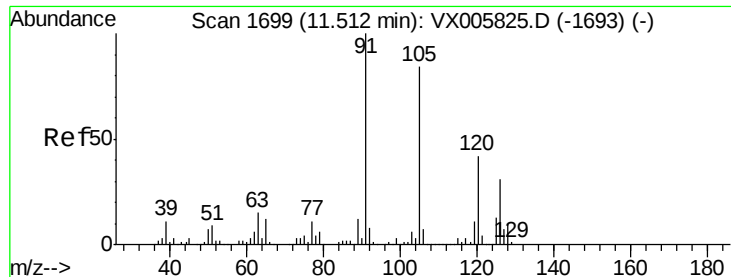
Tot Ion:105 Resp: 34390
 Ion Ratio Lower Upper
 105 100
 120 49.1 24.1 72.2



#81
 trans-1,4-Dichloro-2-butene
 Concen: 73.401 ug/l
 RT: 11.14 min Scan# 1638
 Delta R.T. 0.07 min
 Lab File: VX006023.D
 Acq: 15 Nov 2018 16:40

Tgt Ion: 75 Resp: 40704
 Ion Ratio Lower Upper
 75 100
 53 5.9 80.2 120.2#
 89 0.0 39.8 59.8#





#82

4-Chlorotoluene

Concen: 6.753 ug/l

RT: 11.46 min Scan# 1690

Delta R.T. -0.06 min

Lab File: VX006023.D

Acq: 15 Nov 2018 16:40

Instrument :

MSVOA_X

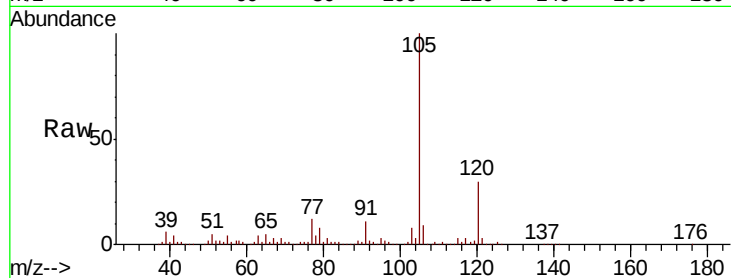
ClientSampleId :

Tot Ion: 91 Resp: 28459

Ion Ratio Lower Upper

91 100

126 0.0 15.2 45.6#



Abundance Ion 91.00 (90.70 to 91.70): VX006023.D (-1650) (-)

Ion 125.90 (125.60 to 126.60): VX006023.D (-1650) (-)

200000

150000

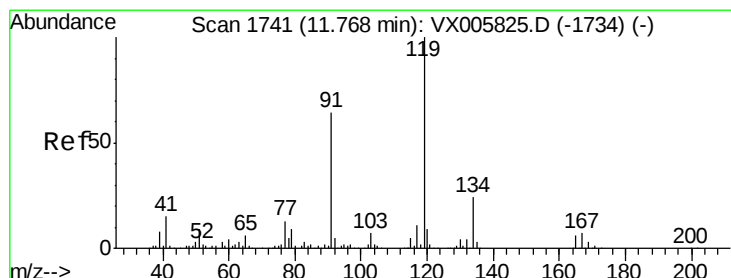
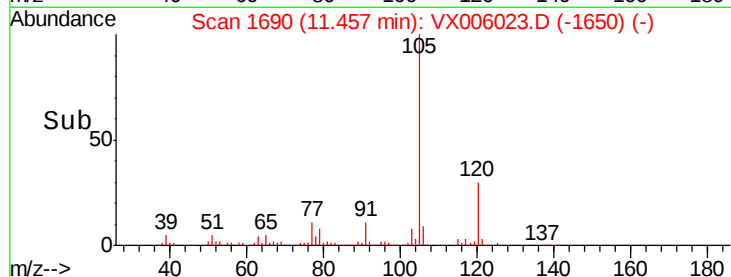
100000

50000

0

11.40 11.45 11.50

Time-->



#83

tert-Butylbenzene

Concen: 25.108 ug/l

RT: 11.81 min Scan# 1748

Delta R.T. 0.04 min

Lab File: VX006023.D

Acq: 15 Nov 2018 16:40

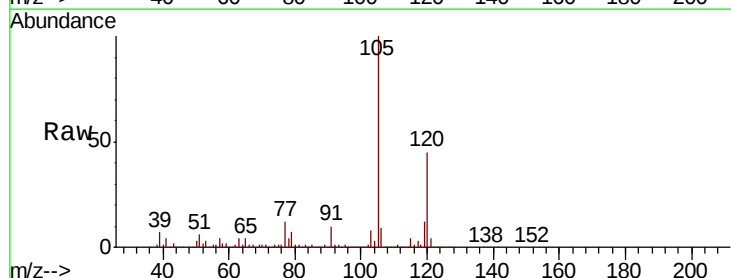
Tgt Ion: 119 Resp: 108347

Ion Ratio Lower Upper

119 100

91 83.2 28.5 85.5

134 0.0 11.3 33.8#



Abundance Ion 119.00 (118.70 to 119.70): VX006023.D (-1692) (-)

Ion 91.00 (90.70 to 91.70): VX006023.D (-1692) (-)

Ion 134.00 (133.70 to 134.70): VX006023.D (-1692) (-)

120000

100000

80000

60000

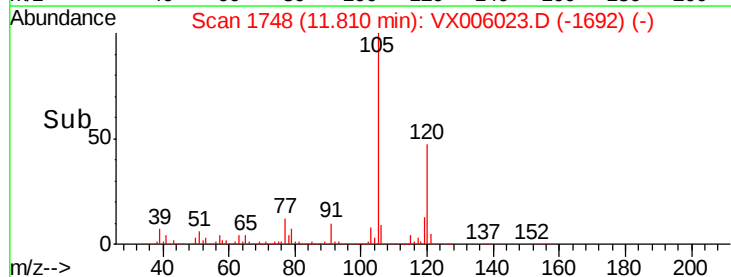
40000

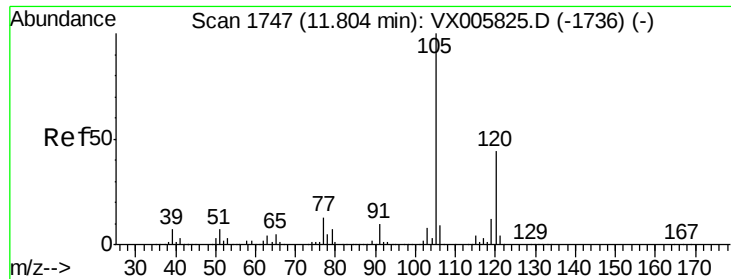
20000

0

11.70 11.80

Time-->



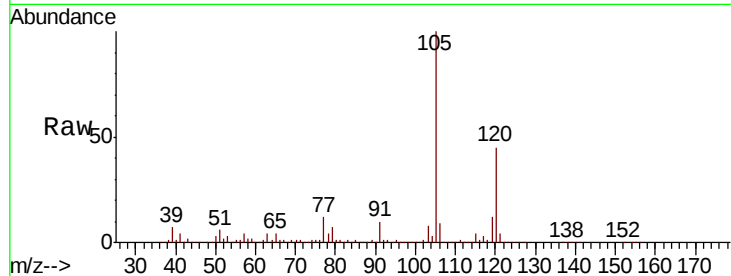


#84

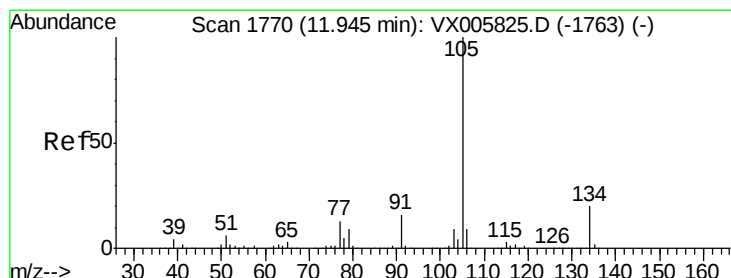
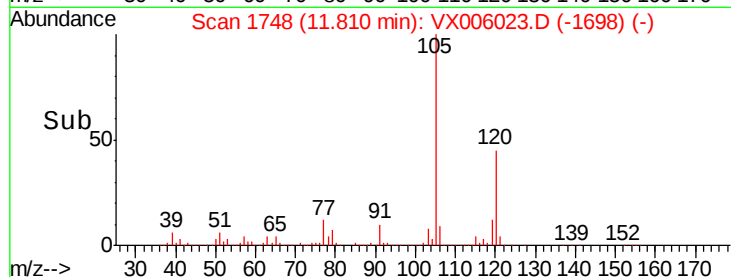
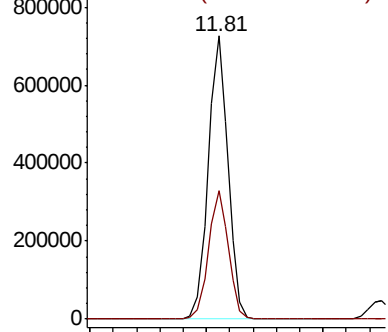
1,2,4-Trimethylbenzene
Concen: 182.586 ug/l
RT: 11.81 min Scan# 1748
Delta R.T. 0.01 min
Lab File: VX006023.D
Acq: 15 Nov 2018 16:40

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:105 Resp: 858006
Ion Ratio Lower Upper
105 100
120 45.5 22.4 67.0



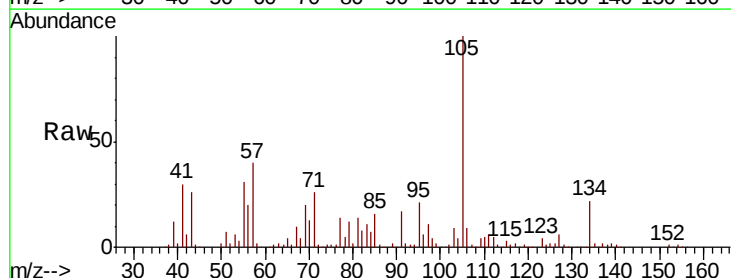
Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V



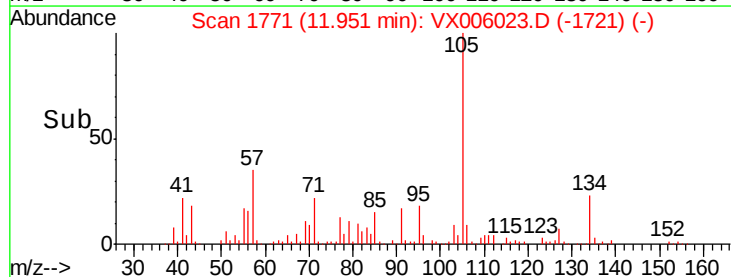
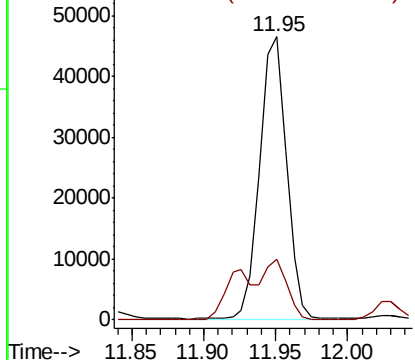
#85

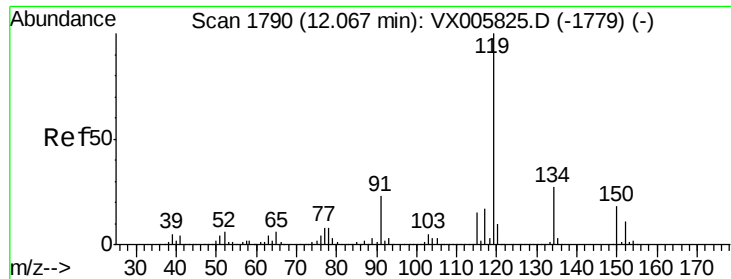
sec-Butylbenzene
Concen: 11.251 ug/l
RT: 11.95 min Scan# 1771
Delta R.T. 0.01 min
Lab File: VX006023.D
Acq: 15 Nov 2018 16:40

Tgt Ion:105 Resp: 59371
Ion Ratio Lower Upper
105 100
134 17.4 10.2 30.4



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 134.00 (133.70 to 134.70): V

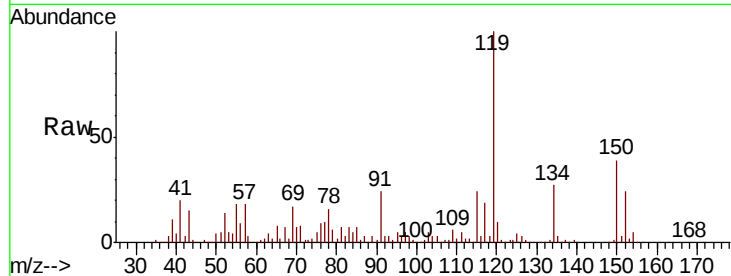




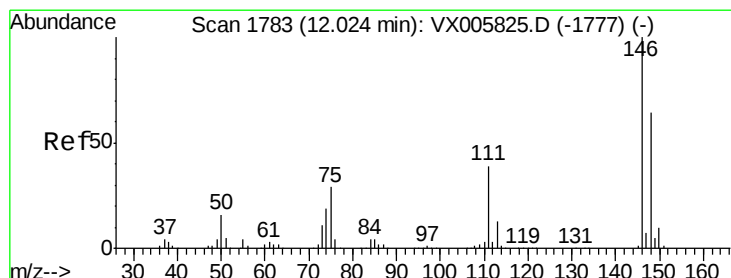
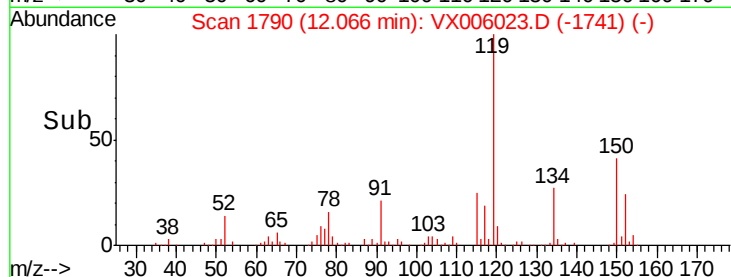
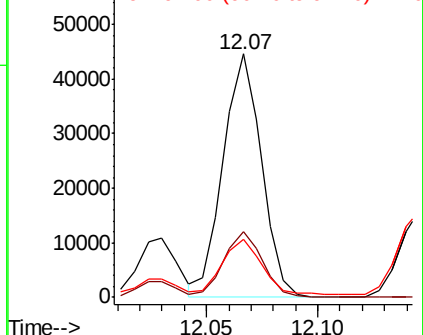
#86
p-Isopropyltoluene
Concen: 11.402 ug/l
RT: 12.07 min Scan# 1790
Delta R.T. -0.00 min
Lab File: VX006023.D
Acq: 15 Nov 2018 16:40

Instrument :
MSVOA_X
ClientSampled :

Tot Ion:119 Resp: 53295
Ion Ratio Lower Upper
119 100
134 27.3 13.0 39.0
91 23.8 11.4 34.2

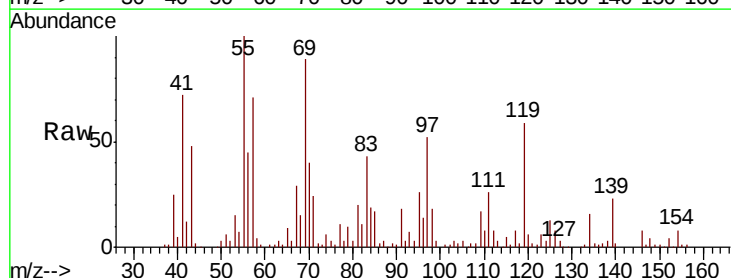


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 134.00 (133.70 to 134.70): V
Ion 91.00 (90.70 to 91.70): V

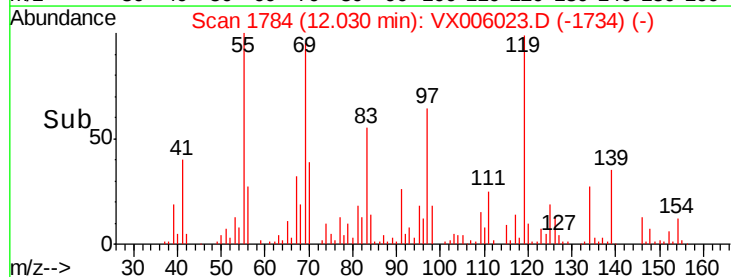
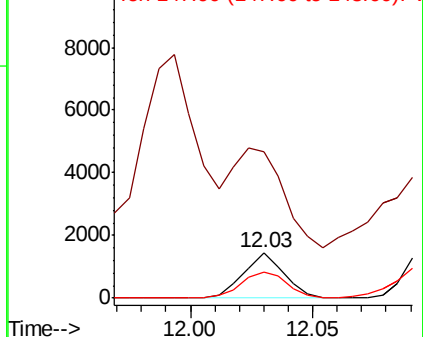


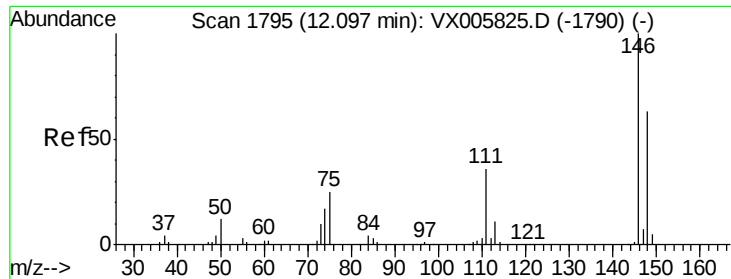
#87
1,3-Dichlorobenzene
Concen: 0.611 ug/l
RT: 12.03 min Scan# 1784
Delta R.T. 0.01 min
Lab File: VX006023.D
Acq: 15 Nov 2018 16:40

Tgt Ion:146 Resp: 1660
Ion Ratio Lower Upper
146 100
111 273.7 19.0 57.0#
148 64.8 31.9 95.9



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





#88

1,4-Dichlorobenzene

Concen: 1.259 ug/l

RT: 12.10 min Scan# 1796

Delta R.T. 0.01 min

Lab File: VX006023.D

Acq: 15 Nov 2018 16:40

Instrument :

MSVOA_X

ClientSampled :

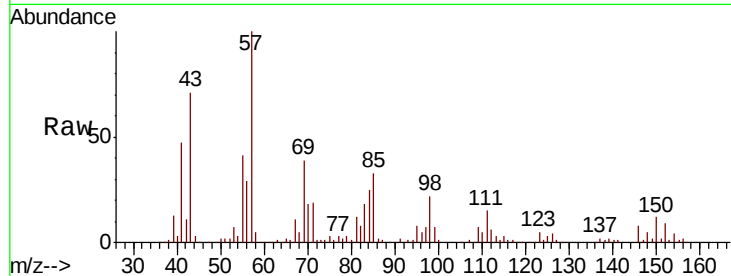
Tot Ion:146 Resp: 3500

Ion Ratio Lower Upper

146 100

111 175.5 18.6 55.8#

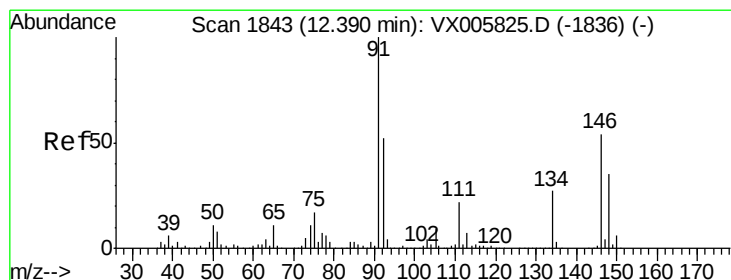
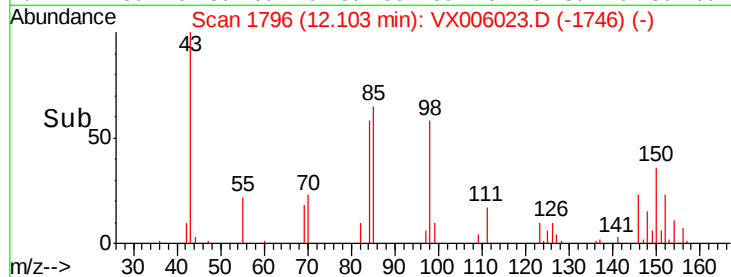
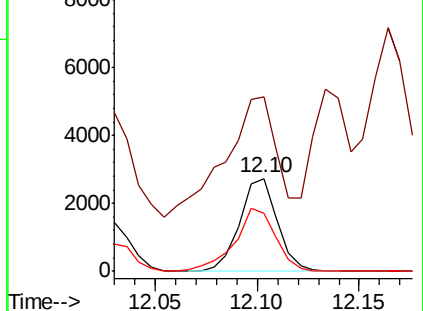
148 74.0 32.1 96.3



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: 34.994 ug/l

RT: 12.39 min Scan# 1843

Delta R.T. -0.00 min

Lab File: VX006023.D

Acq: 15 Nov 2018 16:40

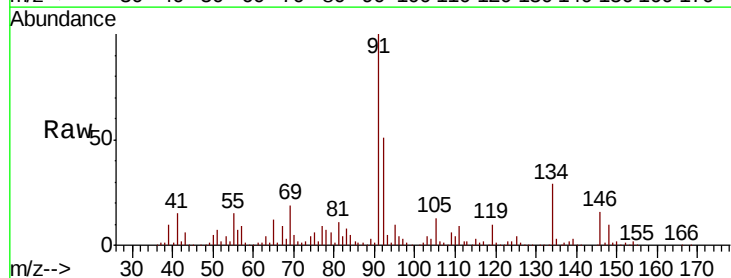
Tgt Ion: 91 Resp: 151598

Ion Ratio Lower Upper

91 100

92 43.2 26.1 78.2

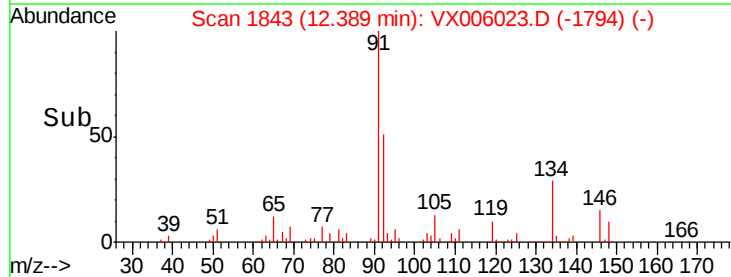
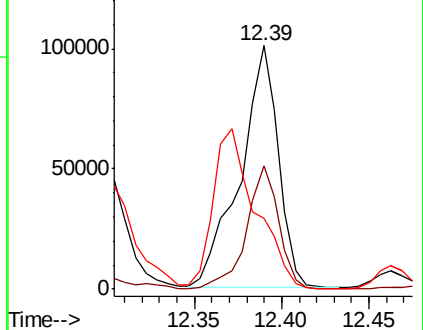
134 74.4 13.1 39.3#

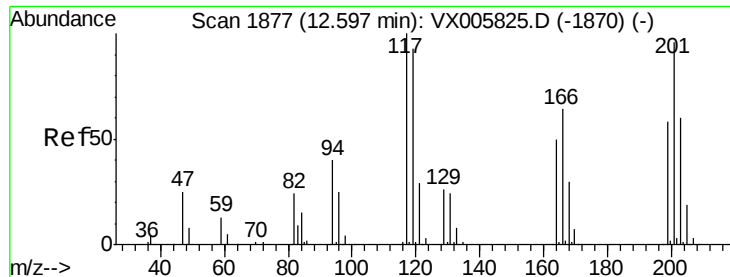


Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 92.00 (91.70 to 92.70): VX0

Ion 134.00 (133.70 to 134.70): V

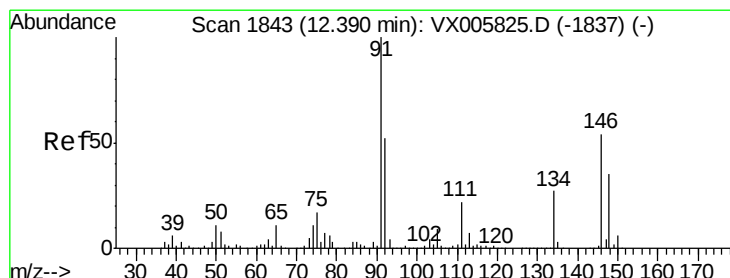
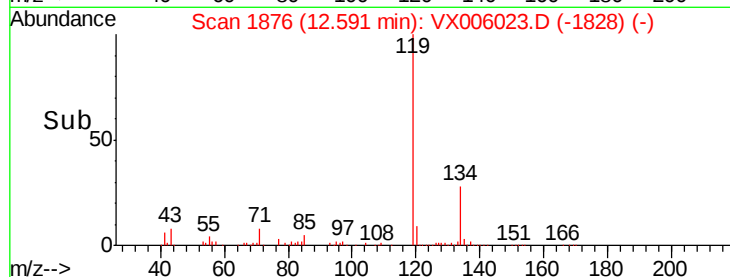
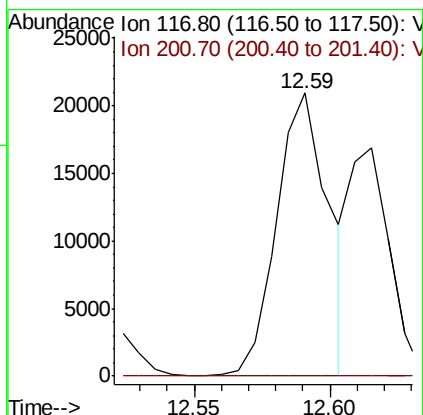
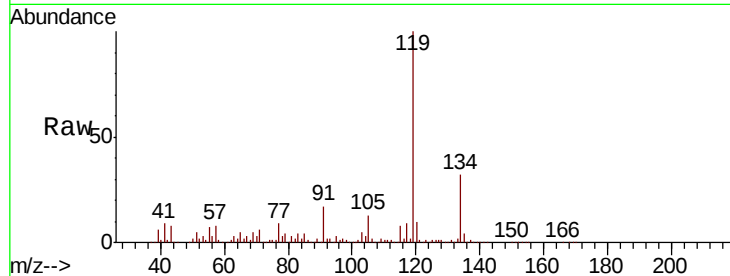




#90
Hexachloroethane
Concen: 35.442 ug/l
RT: 12.59 min Scan# 1876
Delta R.T. -0.01 min
Lab File: VX006023.D
Acq: 15 Nov 2018 16:40

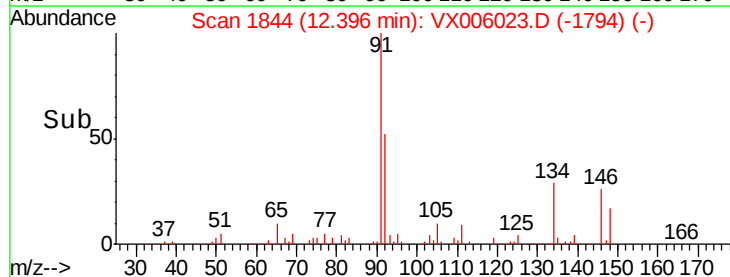
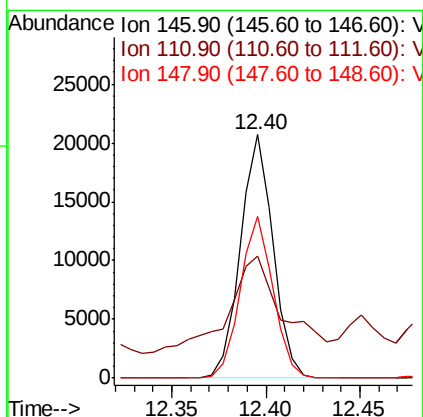
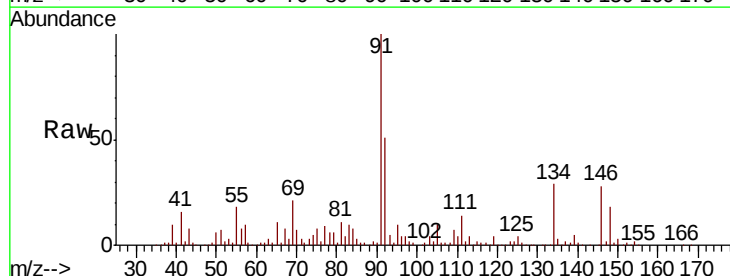
Instrument :
MSVOA_X
ClientSampled :

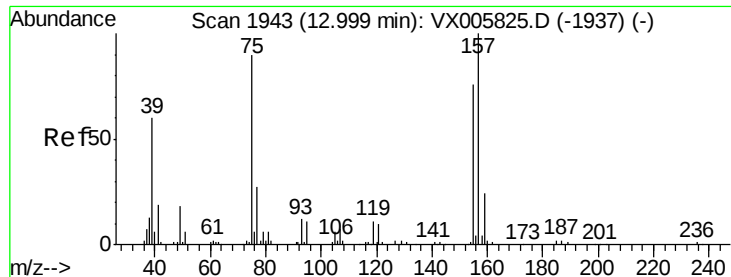
Tot Ion:117 Resp: 27659
Ion Ratio Lower Upper
117 100
201 0.0 47.9 143.6#



#91
1,2-Dichlorobenzene
Concen: 9.135 ug/l
RT: 12.40 min Scan# 1844
Delta R.T. 0.01 min
Lab File: VX006023.D
Acq: 15 Nov 2018 16:40

Tgt Ion:146 Resp: 24847
Ion Ratio Lower Upper
146 100
111 66.6 20.0 59.9#
148 66.6 32.2 96.6





#92

1,2-Dibromo-3-Chloropropane

Concen: 6.183 ug/l

RT: 12.98 min Scan# 1940

Delta R.T. -0.02 min

Lab File: VX006023.D

Acq: 15 Nov 2018 16:40

Instrument :

MSVOA_X

ClientSampleId :

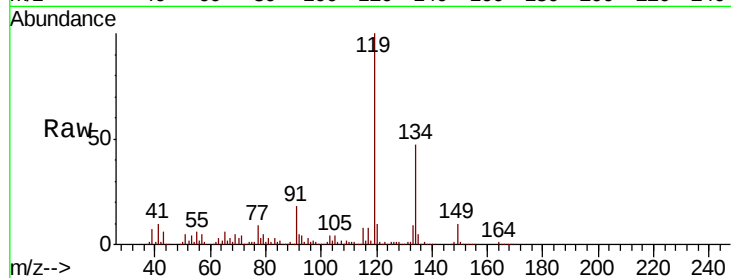
Tot Ion: 75 Resp: 2780

Ion Ratio Lower Upper

75 100

155 22.9 45.4 136.1#

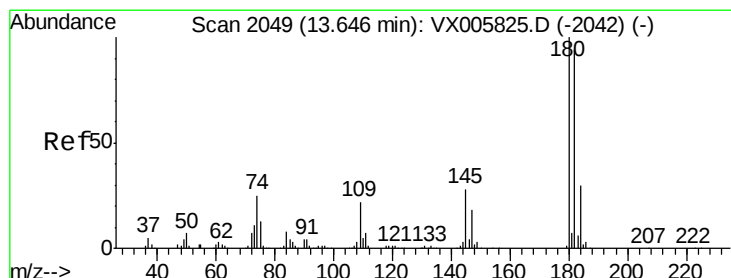
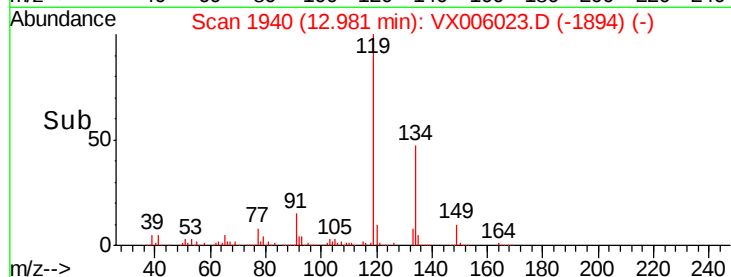
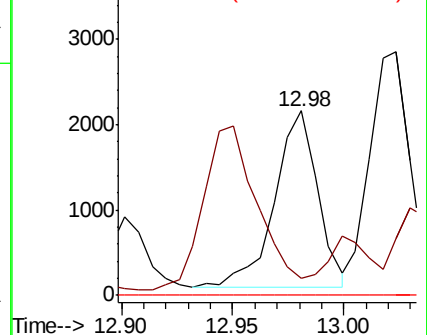
157 0.0 57.4 172.0#



Abundance Ion 74.90 (74.60 to 75.60): VX

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V



#93

1,2,4-Trichlorobenzene

Concen: 0.559 ug/l

RT: 13.65 min Scan# 2049

Delta R.T. -0.00 min

Lab File: VX006023.D

Acq: 15 Nov 2018 16:40

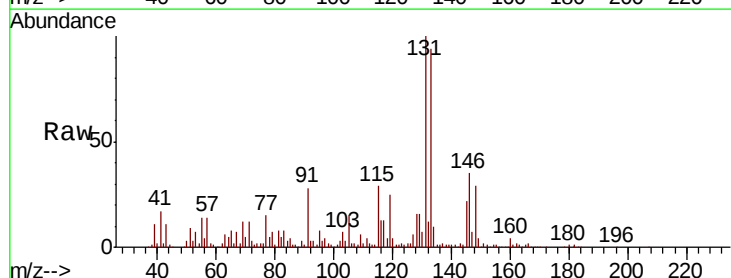
Tgt Ion: 180 Resp: 1070

Ion Ratio Lower Upper

180 100

182 102.4 47.6 142.8

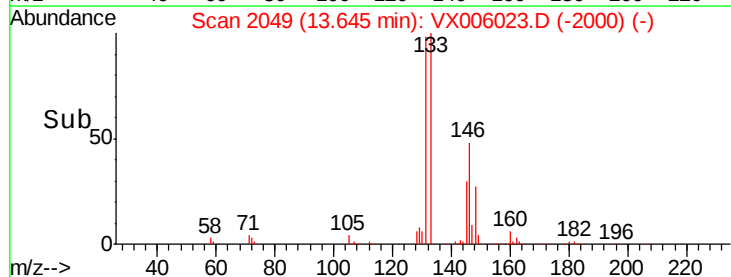
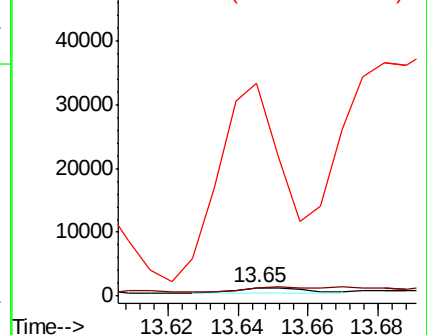
145 3921.5 14.1 42.2#

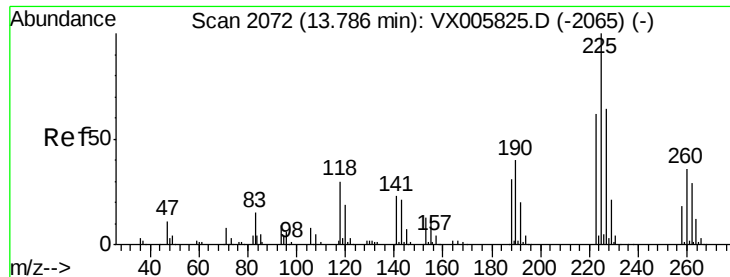


Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V





#94

Hexachlorobutadiene

Concen: 0.379 ug/l

RT: 13.79 min Scan# 2072

Delta R.T. -0.00 min

Lab File: VX006023.D

Acq: 15 Nov 2018 16:40

Instrument :

MSVOA_X

ClientSampleId :

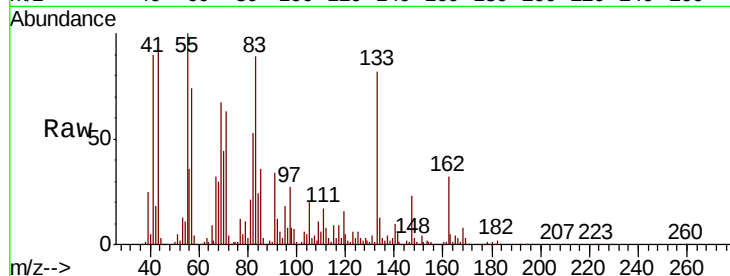
Tot Ion:225 Resp: 381

Ion Ratio Lower Upper

225 100

223 52.0 31.7 95.1

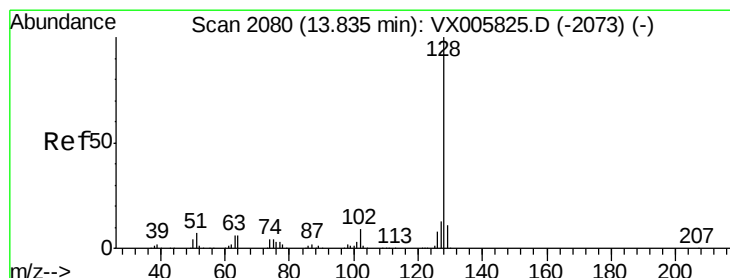
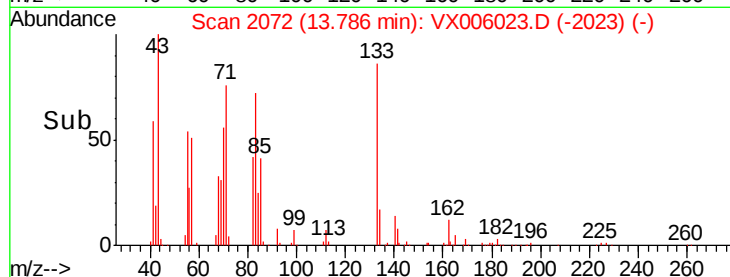
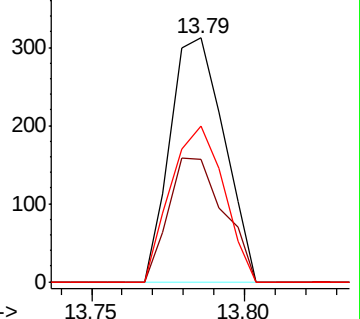
227 62.7 32.3 96.9



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: 93.730 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. 0.00 min

Lab File: VX006023.D

Acq: 15 Nov 2018 16:40

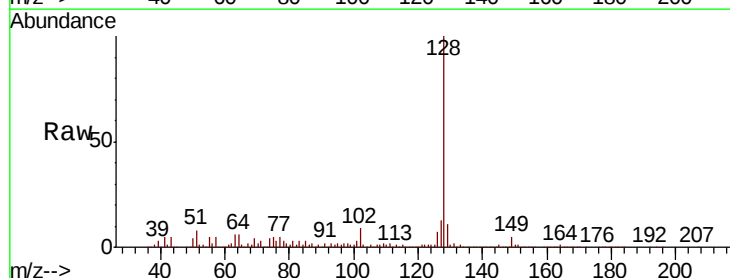
Tgt Ion:128 Resp: 591897

Ion Ratio Lower Upper

128 100

127 13.6 10.4 15.6

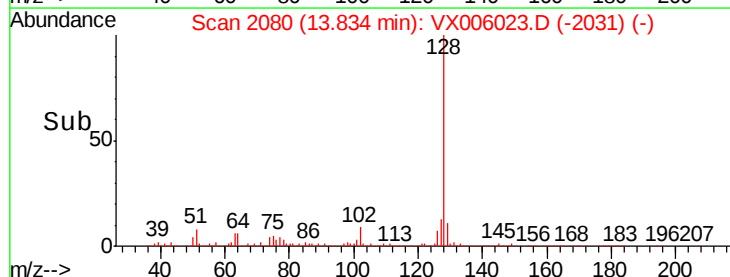
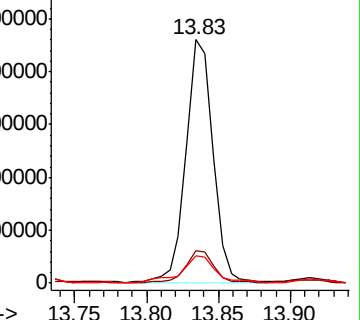
129 13.7 8.7 13.1#

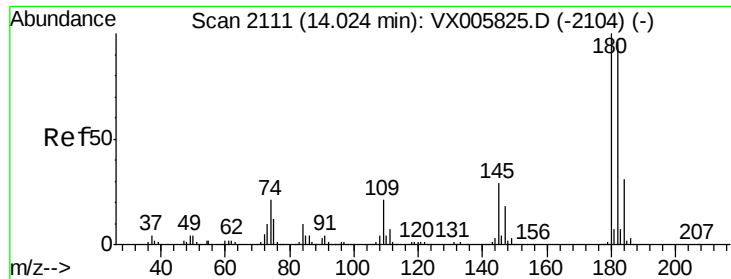


Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V





#96
 1,2,3-Trichlorobenzene
 Concen: 2.315 ug/l
 RT: 14.04 min Scan# 2113
 Delta R.T. 0.01 min
 Lab File: VX006023.D
 Acq: 15 Nov 2018 16:40

Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion:180 Resp: 4517
 Ion Ratio Lower Upper
 180 100
 182 26.2 48.0 144.2#
 145 1605.8 15.1 45.3#

