

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX111718\
 Data File : VX006069.D
 Acq On : 17 Nov 2018 15:32
 Operator : JC/MD
 Sample : J5965-02DL 5X
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-2DL

Quant Time: Nov 19 00:15:44 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	5.67	168	130269	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	176931	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	154022	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	97655	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	77048	51.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.90%	
35) Dibromofluoromethane	5.51	113	60333	50.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.28%	
50) Toluene-d8	8.71	98	206741	51.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.36%	
62) 4-Bromofluorobenzene	11.14	95	71556	49.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.50%	

Target Compounds

						Qvalue
5) Bromomethane	1.65	94	316	0.334	ug/l	90
10) Methyl Iodide	2.52	142	339	0.237	ug/l #	81
11) Tert butyl alcohol	3.06	59	14038	32.722	ug/l	99
13) Acrolein	2.27	56	786	22.711	ug/l #	1
14) Allyl chloride	2.84	41	22876	8.896	ug/l #	66
15) Acrylonitrile	3.17	53	1877	2.111	ug/l #	43
16) Acetone	2.45	43	3372	4.182	ug/l	100
18) Methyl Acetate	2.85	43	54304	24.370	ug/l #	55
19) Methyl tert-butyl Ether	3.20	73	18973	4.828	ug/l #	30
20) Methylene Chloride	2.86	84	917	0.692	ug/l #	32
22) Diisopropyl ether	3.87	45	1555	0.345	ug/l #	52
25) 2-Butanone	4.70	43	868	0.685	ug/l	100
26) 2,2-Dichloropropane	4.41	77	606	0.344	ug/l #	53
30) Chloroform	5.27	83	982	0.423	ug/l #	19
31) Cyclohexane	5.58	56	10130	4.855	ug/l	91
36) 1,1-Dichloropropene	5.66	75	9110	5.341	ug/l #	49
37) Ethyl Acetate	4.70	43	868	0.387	ug/l #	69
38) Carbon Tetrachloride	5.67	117	11559	6.769	ug/l #	17
39) Methylcyclohexane	7.46	83	3537	2.046	ug/l	91
40) Benzene	6.14	78	171811	34.553	ug/l	99
42) 1,2-Dichloroethane	6.14	62	1467	0.824	ug/l #	75
48) Methyl methacrylate	7.73	41	598	0.410	ug/l	88
52) Toluene	8.79	92	3447	1.240	ug/l	99
55) 1,1,2-Trichloroethane	9.16	97	1309	1.057	ug/l #	19
56) Ethyl methacrylate	9.16	69	445	0.240	ug/l #	6
58) 2-Chloroethyl Vinyl ether	8.21	63	78	8.353	ug/l #	48
59) 2-Hexanone	9.51	43	497	0.275	ug/l	79
67) Ethyl Benzene	10.25	91	61085	12.346	ug/l	98
68) m/p-Xylenes	10.36	106	1991	1.055	ug/l	83
69) o-Xylene	10.70	106	556	0.329	ug/l	85
73) Isopropylbenzene	11.02	105	10888	1.928	ug/l	99
74) N-amyl acetate	10.90	43	77	1.274	ug/l #	1
76) 1,2,3-Trichloropropane	11.13	75	35361	17.783	ug/l #	37
78) n-propylbenzene	11.36	91	25241	3.793	ug/l	98

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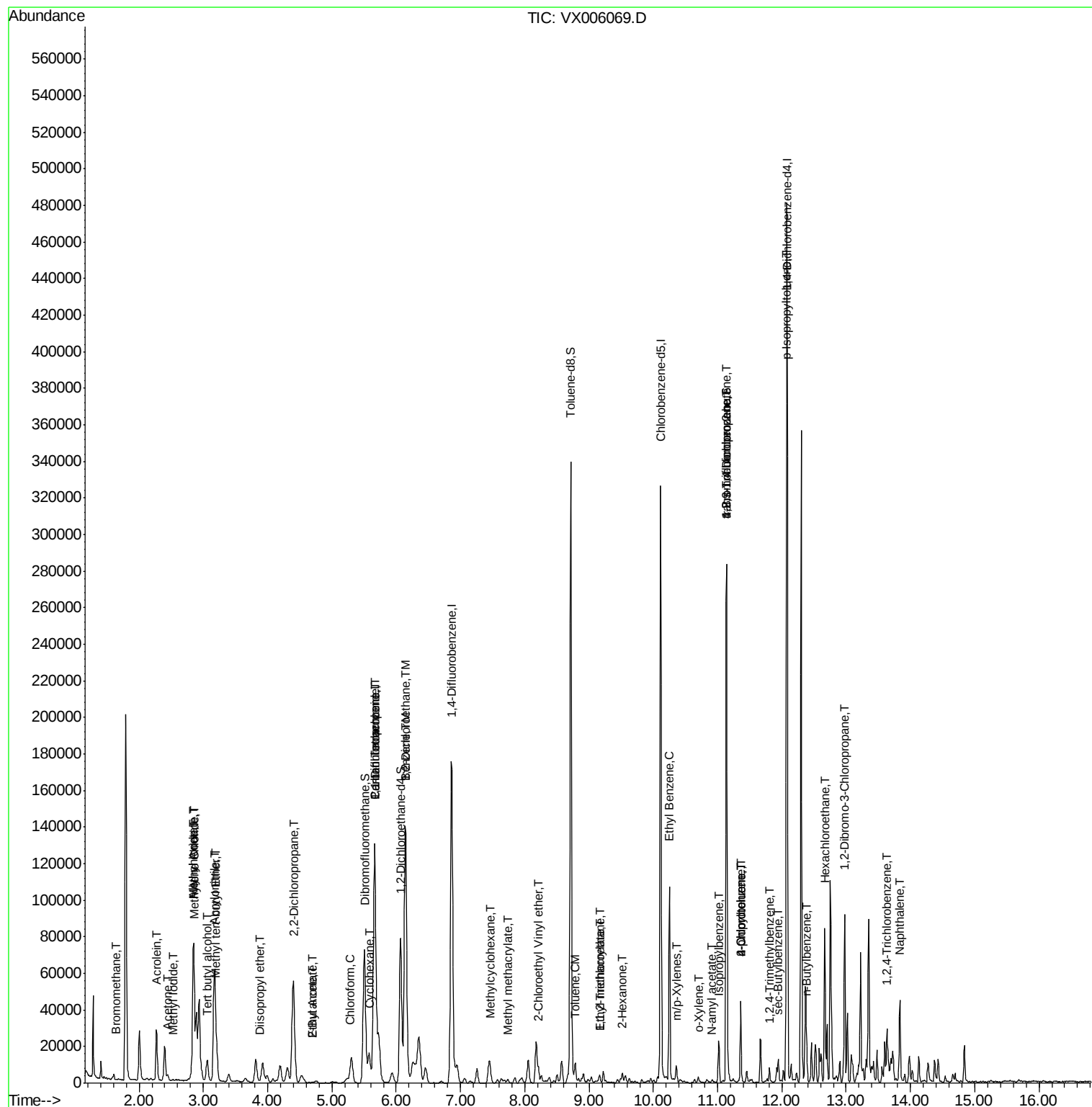
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
79) 2-Chlorotoluene	11.36	91	25241	6.274	ug/l #	40
81) trans-1,4-Dichloro-2-buten	11.13	75	35361	56.677	ug/l #	9
82) 4-Chlorotoluene	11.36	91	25241	5.324	ug/l #	44
84) 1,2,4-Trimethylbenzene	11.80	105	3287	0.502	ug/l	97
85) sec-Butylbenzene	11.94	105	5814	0.979	ug/l	100
86) p-Isopropyltoluene	12.07	119	1058	0.201	ug/l #	68
89) n-Butylbenzene	12.39	91	10677	2.191	ug/l #	53
90) Hexachloroethane	12.67	117	4181	4.762	ug/l #	2
92) 1,2-Dibromo-3-Chloropropan	12.98	75	290	0.573	ug/l #	1
93) 1,2,4-Trichlorobenzene	13.65	180	437	0.203	ug/l #	57
95) Naphthalene	13.83	128	27547	5.006	ug/l	98

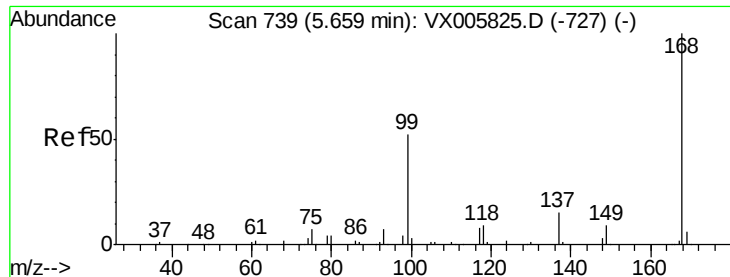
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.01 min

Lab File: VX006069.D

Acq: 17 Nov 2018 15:32

Instrument :

MSVOA_X

ClientSampleId :

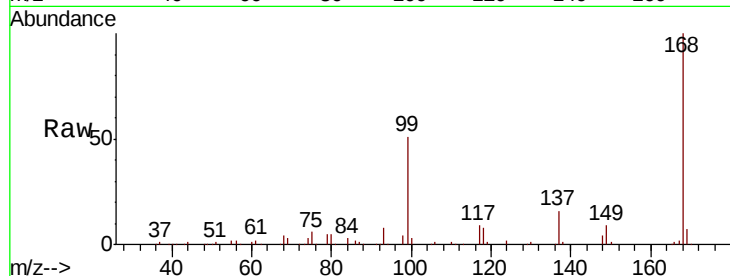
MW-2DL

Tot Ion:168 Resp: 130269

Ion Ratio Lower Upper

168 100

99 51.2 40.7 61.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

40000

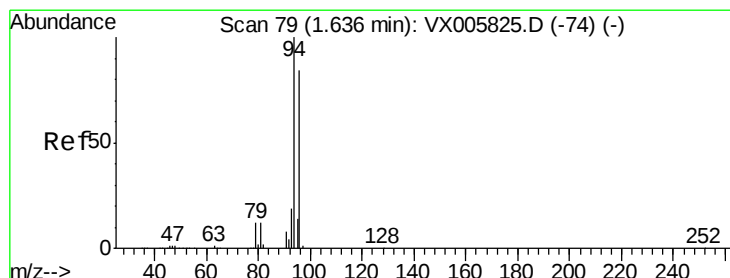
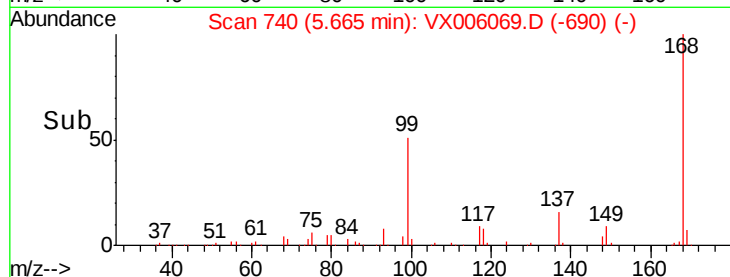
30000

20000

10000

0

Time--> 5.50 5.60 5.70 5.80



#5

Bromomethane

Concen: 0.334 ug/l

RT: 1.65 min Scan# 81

Delta R.T. 0.01 min

Lab File: VX006069.D

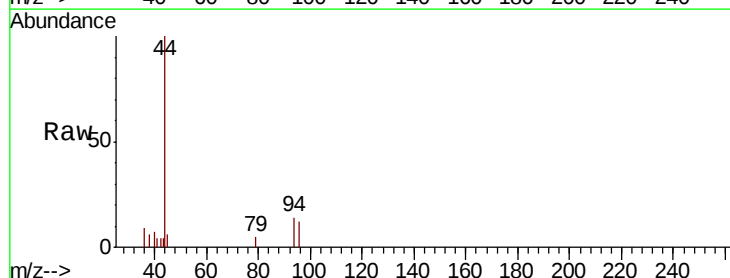
Acq: 17 Nov 2018 15:32

Tgt Ion: 94 Resp: 316

Ion Ratio Lower Upper

94 100

96 84.4 75.2 112.8



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.65

200

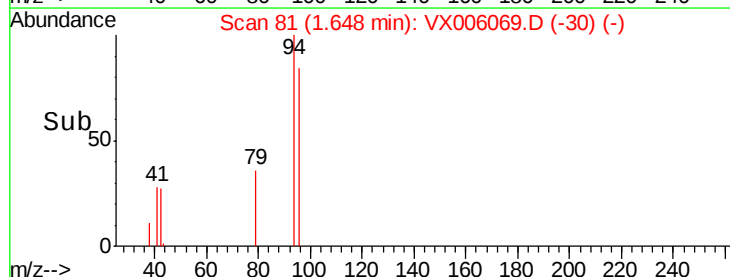
150

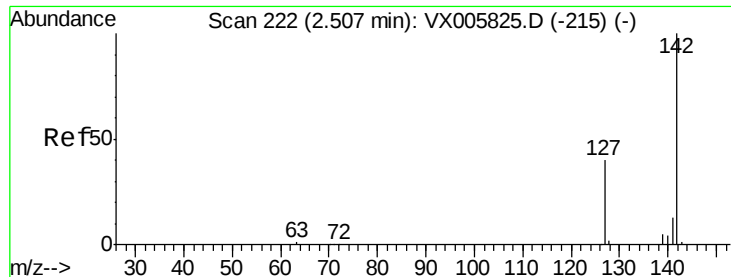
100

50

0

Time--> 1.60 1.65 1.70

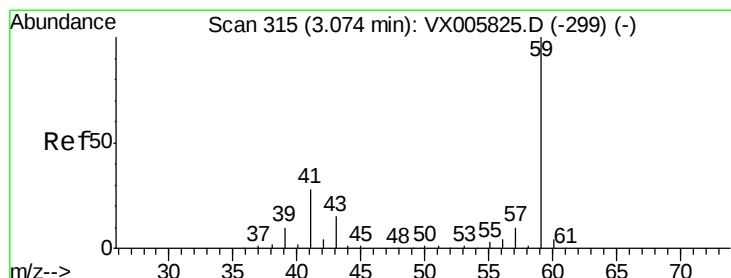
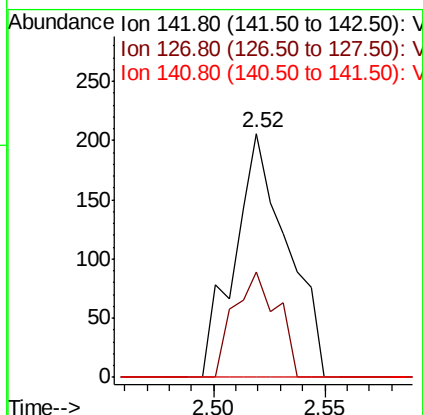
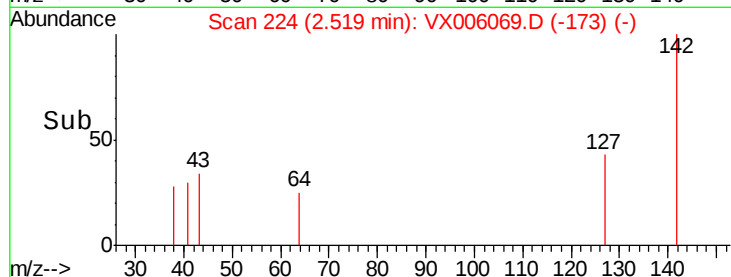
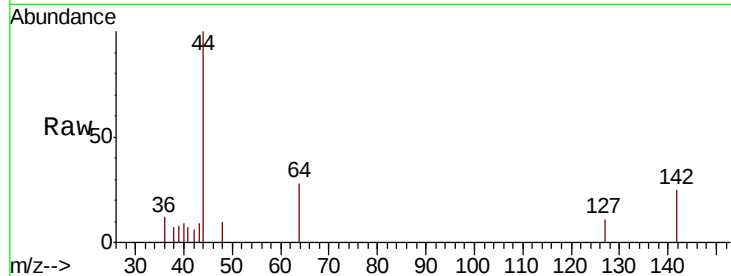




#10
Methvl Iodide
Concen: 0.237 ug/l
RT: 2.52 min Scan# 224
Delta R.T. 0.01 min
Lab File: VX006069.D
Acq: 17 Nov 2018 15:32

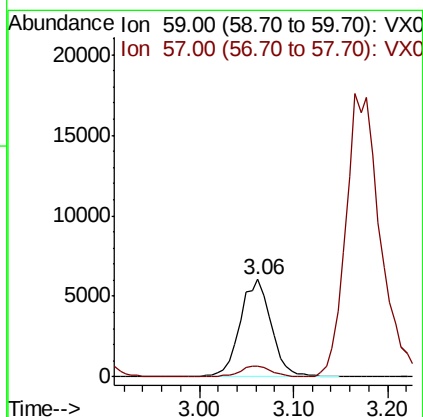
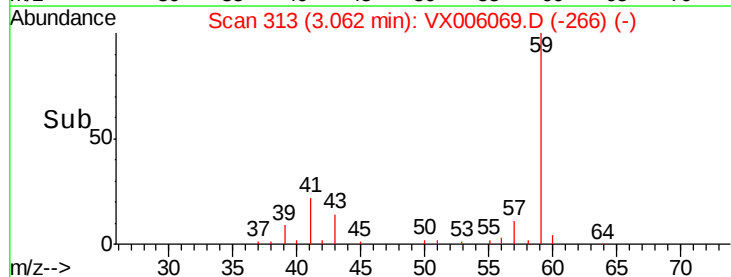
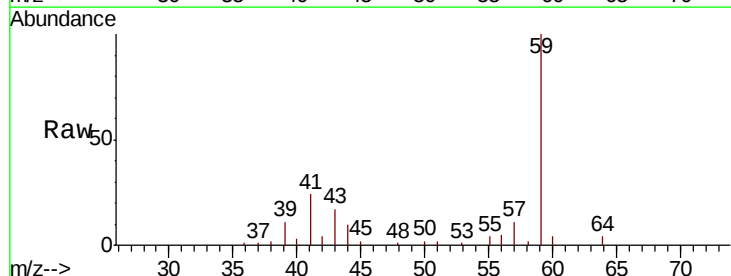
Instrument :
MSVOA_X
ClientSampled :
MW-2DL

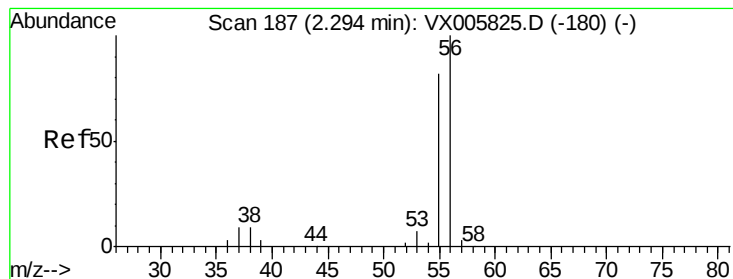
Tot Ion:142 Resp: 339
Ion Ratio Lower Upper
142 100
127 35.7 36.0 54.0#
141 0.0 11.7 17.5#



#11
Tert butyl alcohol
Concen: 32.722 ug/l
RT: 3.06 min Scan# 313
Delta R.T. -0.01 min
Lab File: VX006069.D
Acq: 17 Nov 2018 15:32

Tgt Ion: 59 Resp: 14038
Ion Ratio Lower Upper
59 100
57 10.9 8.5 12.7





#13

Acrolein

Concen: 22.711 ug/l

RT: 2.27 min Scan# 183

Delta R.T. -0.02 min

Lab File: VX006069.D

Acq: 17 Nov 2018 15:32

Instrument :

MSVOA_X

ClientSampleId :

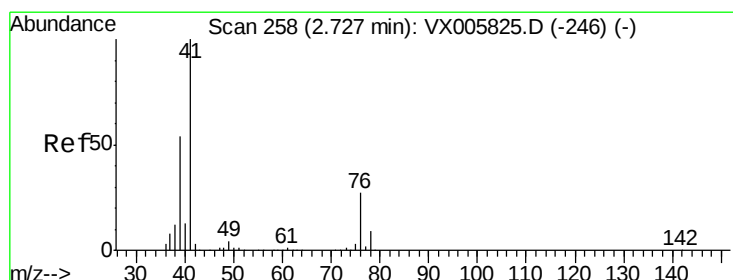
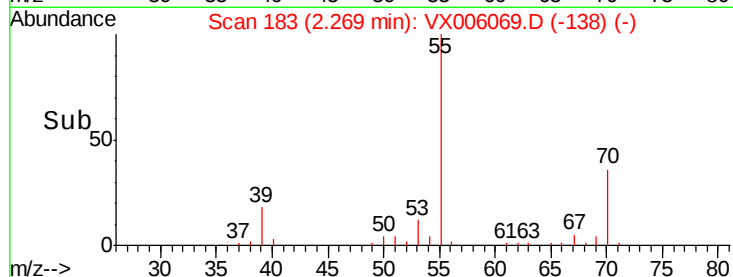
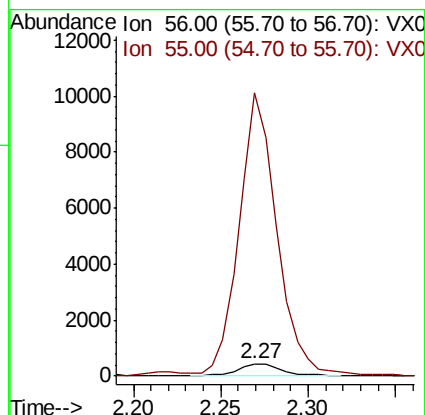
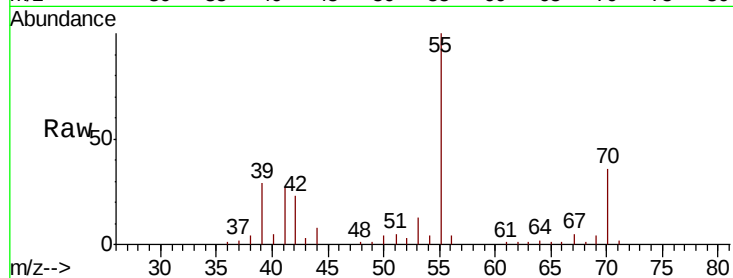
MW-2DL

Tot Ion: 56 Resp: 786

Ion Ratio Lower Upper

56 100

55 1952.8 57.3 85.9#



#14

Allyl chloride

Concen: 8.896 ug/l

RT: 2.84 min Scan# 277

Delta R.T. 0.12 min

Lab File: VX006069.D

Acq: 17 Nov 2018 15:32

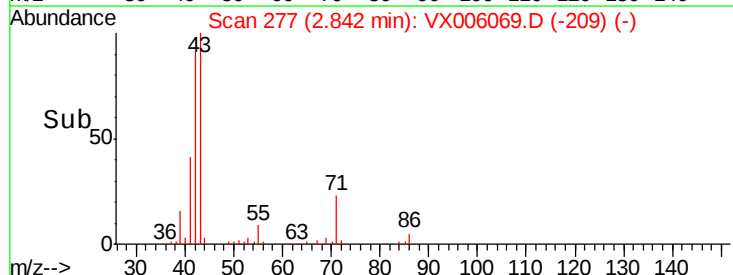
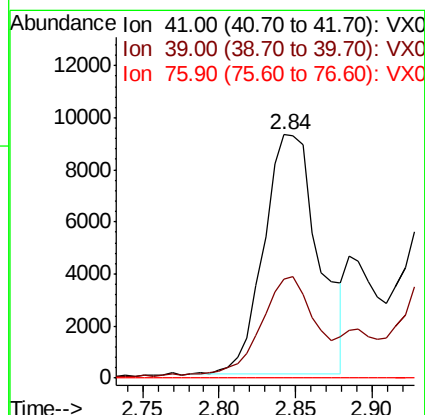
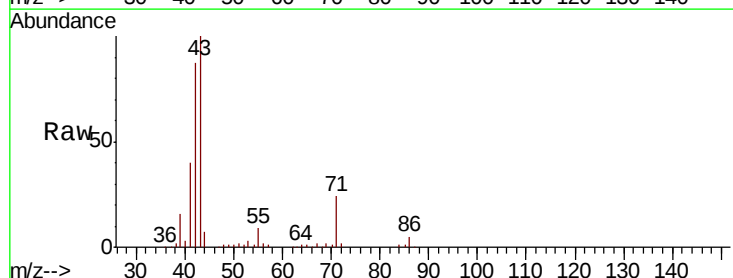
Tgt Ion: 41 Resp: 22876

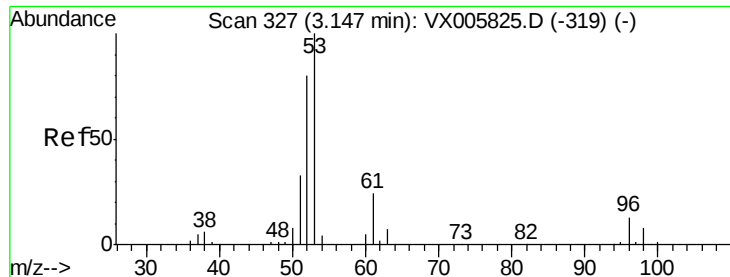
Ion Ratio Lower Upper

41 100

39 41.2 48.2 72.4#

76 0.0 21.9 32.9#





#15

Acrylonitrile

Concen: 2.111 ug/l

RT: 3.17 min Scan# 331

Delta R.T. 0.02 min

Lab File: VX006069.D

Acq: 17 Nov 2018 15:32

Instrument :

MSVOA_X

ClientSampleId :

MW-2DL

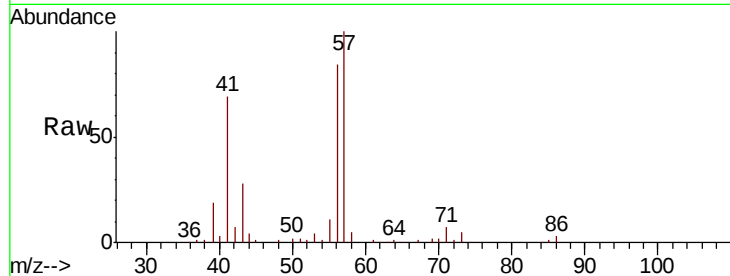
Tot Ion: 53 Resp: 1877

Ion Ratio Lower Upper

53 100

52 29.6 66.6 99.8#

51 65.6 28.4 42.6#



Abundance Ion 53.00 (52.70 to 53.70): VX0

Ion 52.00 (51.70 to 52.70): VX0

Ion 51.00 (50.70 to 51.70): VX0

3.17

600

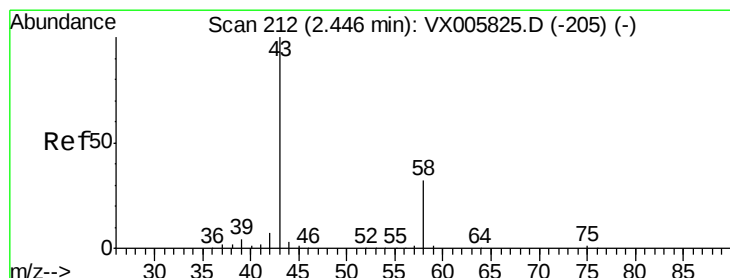
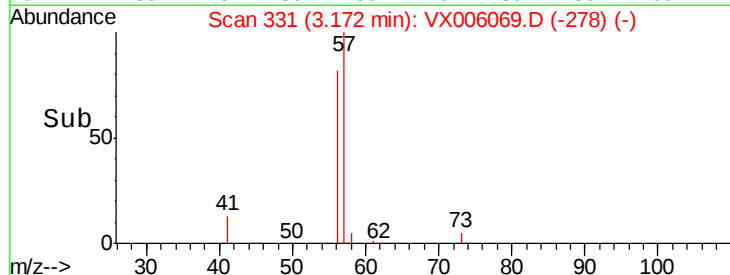
400

200

0

3.10 3.15 3.20 3.25

Time-->



#16

Acetone

Concen: 4.182 ug/l

RT: 2.45 min Scan# 212

Delta R.T. -0.00 min

Lab File: VX006069.D

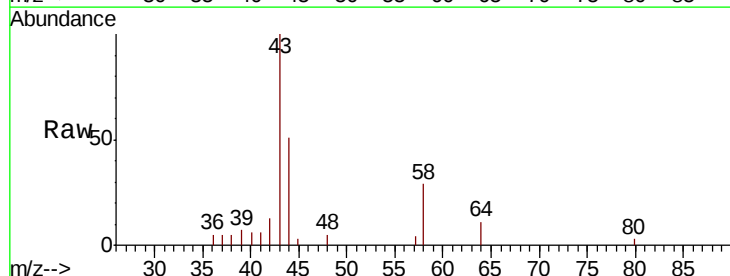
Acq: 17 Nov 2018 15:32

Tgt Ion: 43 Resp: 3372

Ion Ratio Lower Upper

43 100

58 29.8 23.8 35.6



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

4000

3000

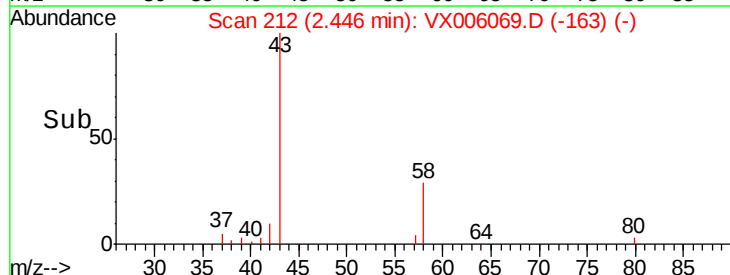
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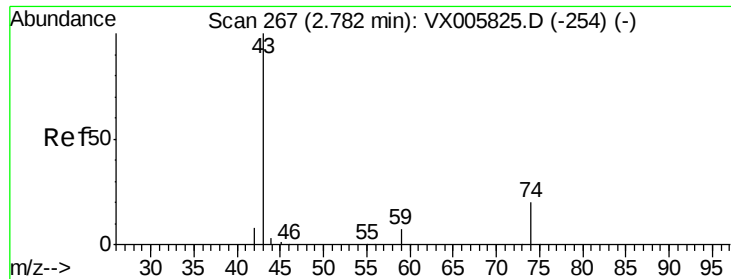
1000

0

2.40 2.45 2.50

Time-->

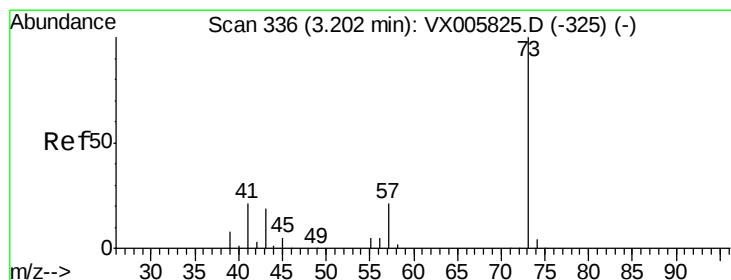
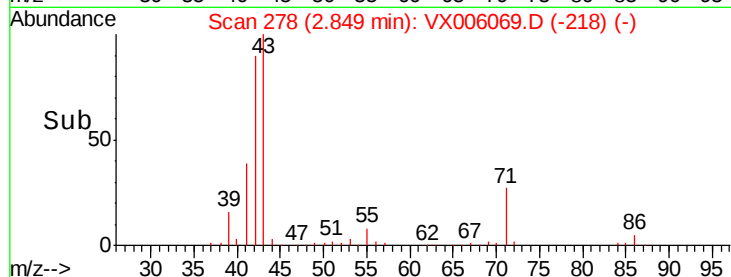
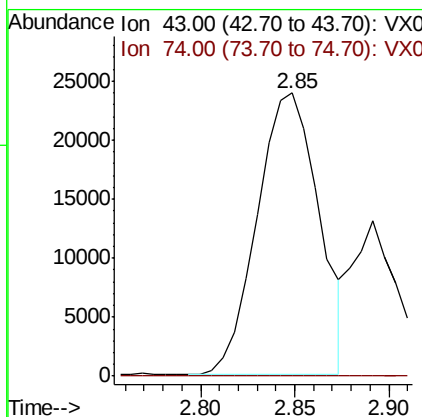
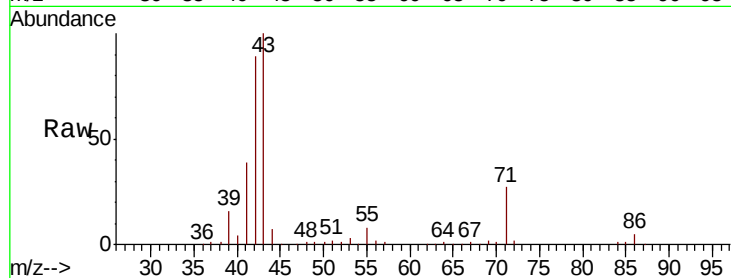




#18
Methyl Acetate
Concen: 24.370 ug/l
RT: 2.85 min Scan# 278
Delta R.T. 0.07 min
Lab File: VX006069.D
Acq: 17 Nov 2018 15:32

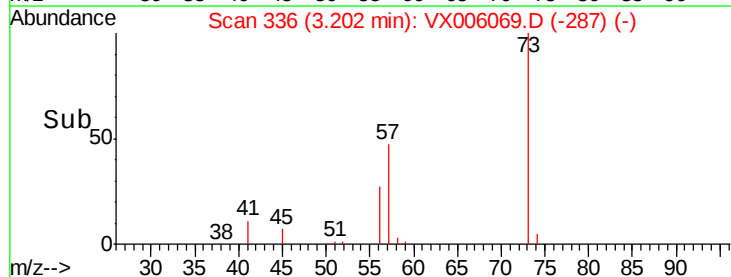
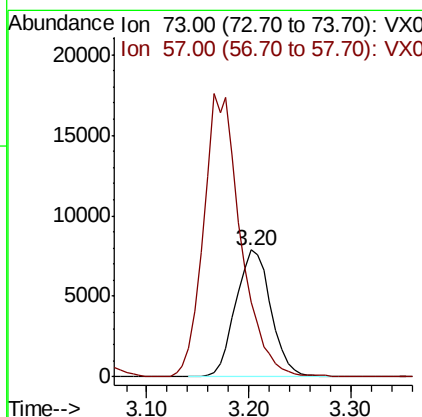
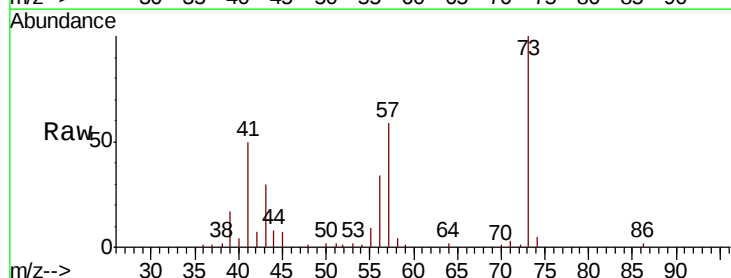
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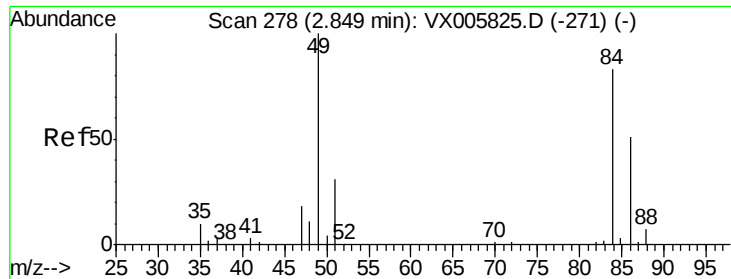
Tot Ion: 43 Resp: 54304
Ion Ratio Lower Upper
43 100
74 0.0 16.8 25.2#



#19
Methyl tert-butyl Ether
Concen: 4.828 ug/l
RT: 3.20 min Scan# 336
Delta R.T. -0.00 min
Lab File: VX006069.D
Acq: 17 Nov 2018 15:32

Tgt Ion: 73 Resp: 18973
Ion Ratio Lower Upper
73 100
57 57.8 18.8 28.2#

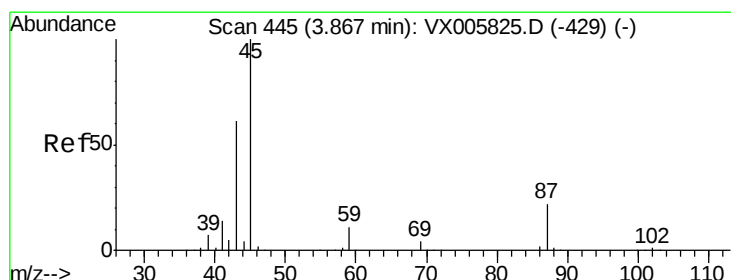
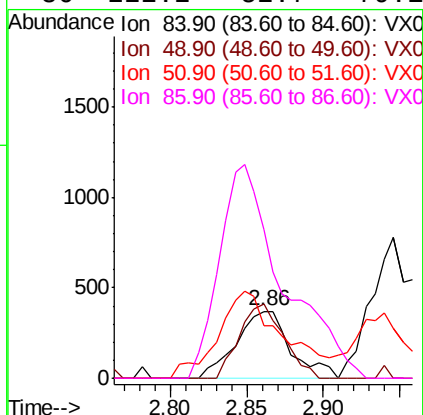
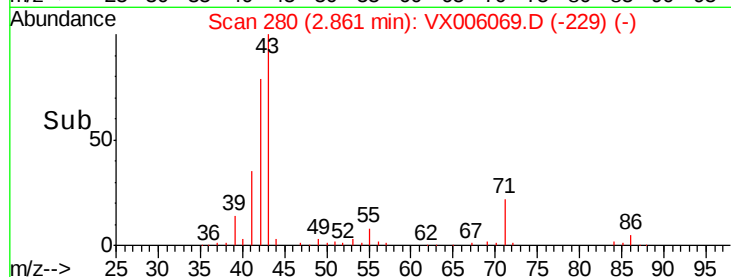
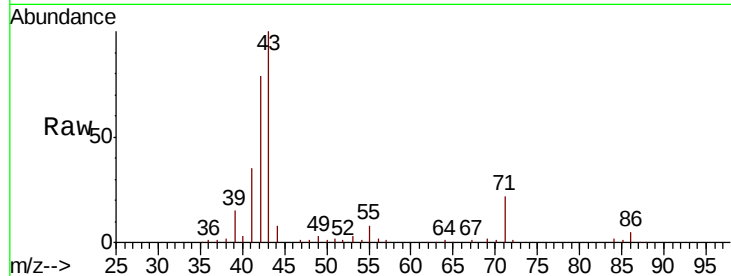




#20
Methvlene Chloride
Concen: 0.692 ug/l
RT: 2.86 min Scan# 280
Delta R.T. 0.01 min
Lab File: VX006069.D
Acq: 17 Nov 2018 15:32

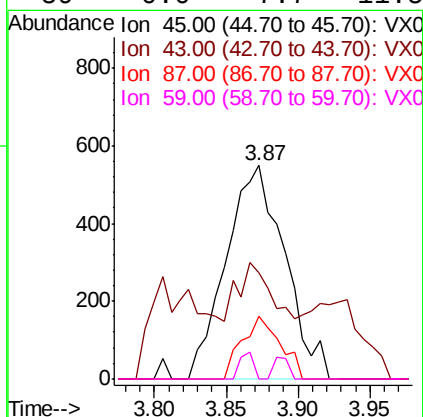
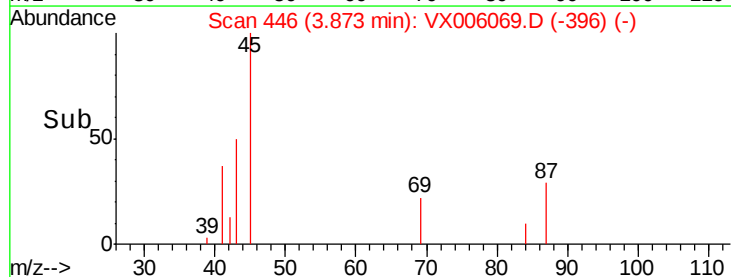
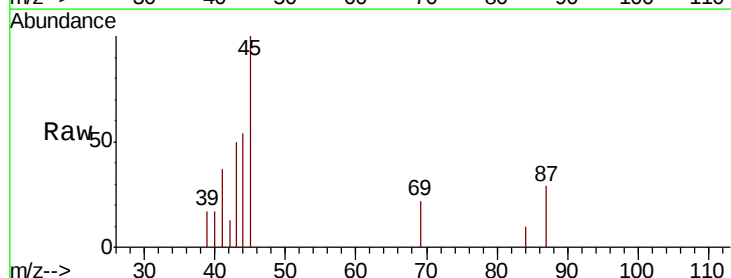
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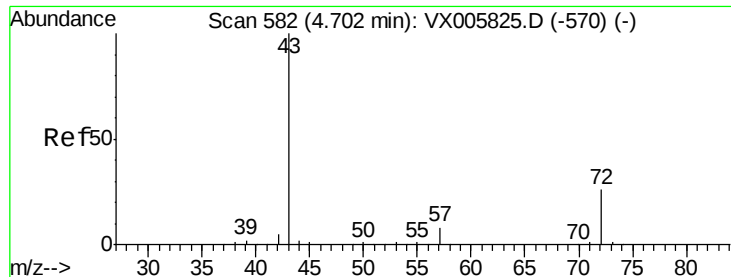
Tot Ion:	84	Resp:	917
Ion	Ratio	Lower	Upper
84	100		
49	111.6	109.5	164.3
51	54.6	33.3	49.9#
86	222.2	52.7	79.1#



#22
Diisopropyl ether
Concen: 0.345 ug/l
RT: 3.87 min Scan# 446
Delta R.T. 0.01 min
Lab File: VX006069.D
Acq: 17 Nov 2018 15:32

Tgt Ion:	45	Resp:	1555
Ion	Ratio	Lower	Upper
45	100		
43	13.6	47.4	71.2#
87	29.1	15.9	23.9#
59	0.0	7.7	11.5#





#25

2-Butanone

Concen: 0.685 ug/l

RT: 4.70 min Scan# 581

Delta R.T. -0.01 min

Lab File: VX006069.D

Acq: 17 Nov 2018 15:32

Instrument :

MSVOA_X

ClientSampleId :

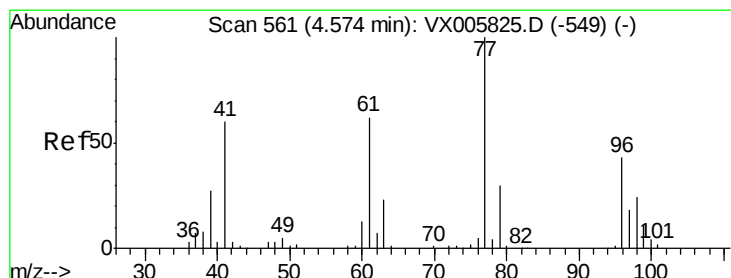
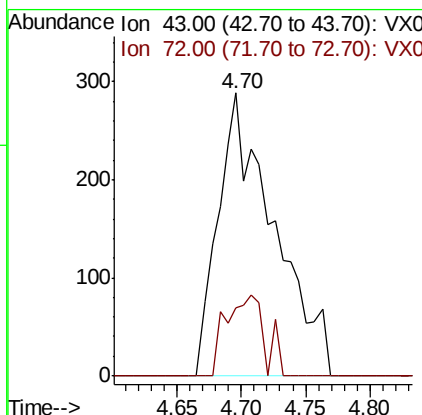
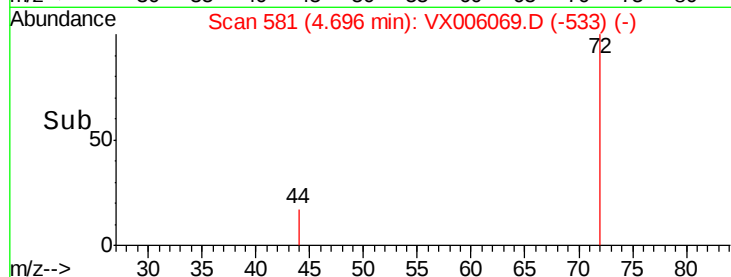
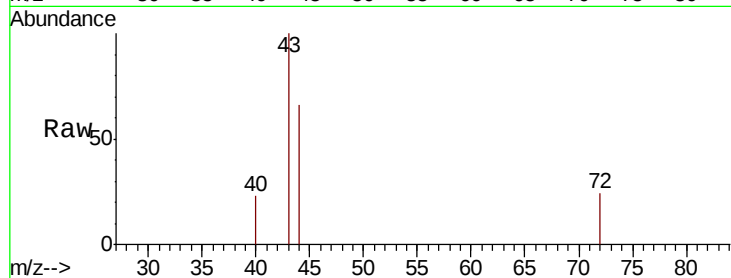
MW-2DL

Tot Ion: 43 Resp: 868

Ion Ratio Lower Upper

43 100

72 24.0 19.2 28.8



#26

2,2-Dichloropropane

Concen: 0.344 ug/l

RT: 4.41 min Scan# 534

Delta R.T. -0.16 min

Lab File: VX006069.D

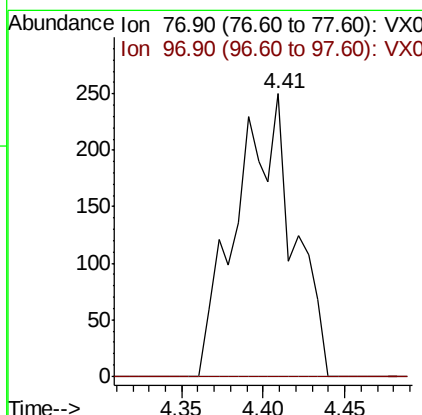
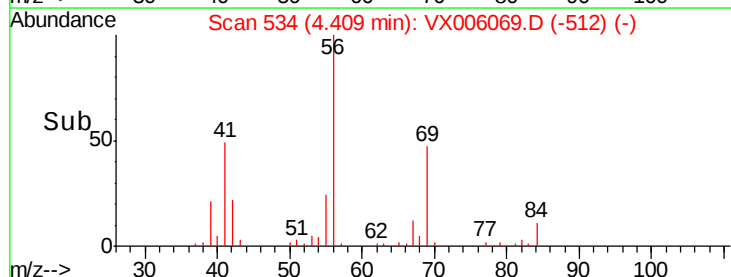
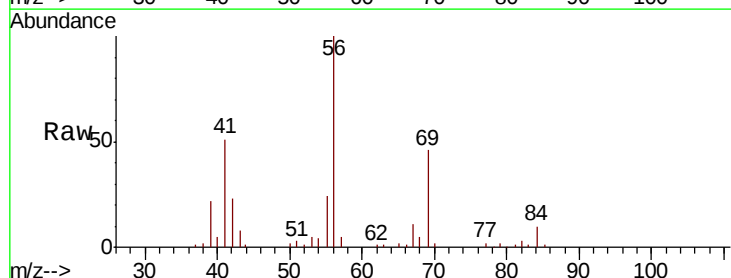
Acq: 17 Nov 2018 15:32

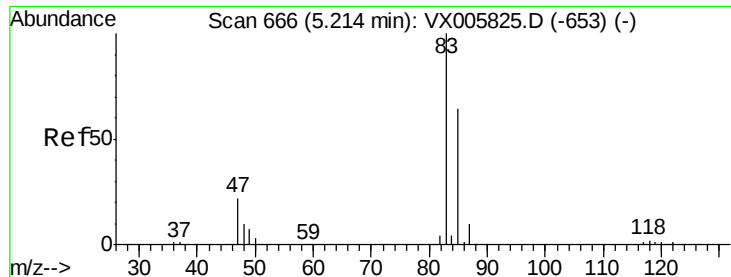
Tgt Ion: 77 Resp: 606

Ion Ratio Lower Upper

77 100

97 0.0 11.5 34.5#

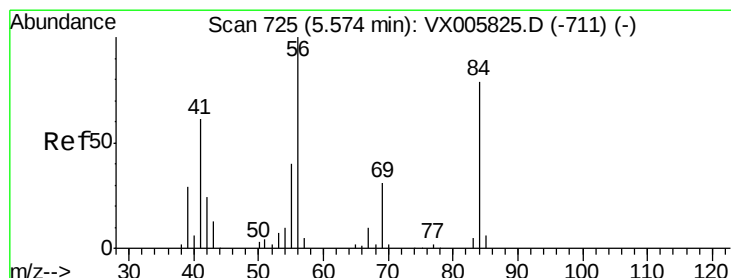
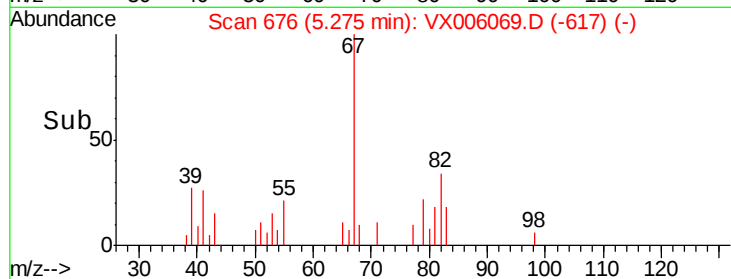
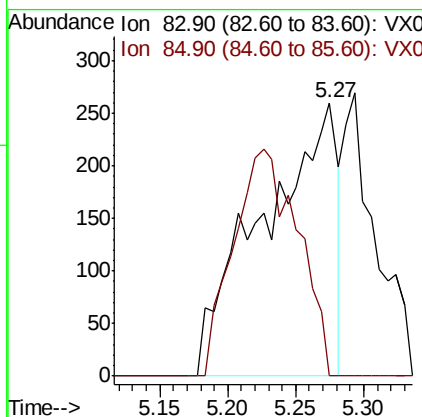
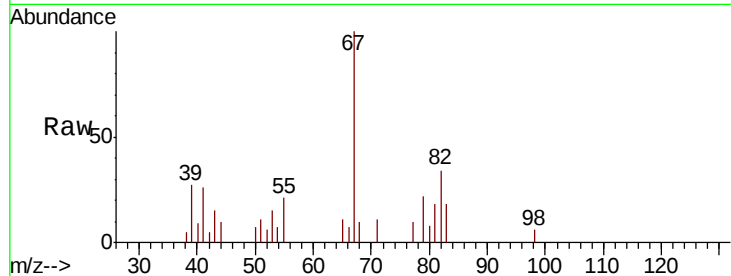




#30
Chloroform
Concen: 0.423 ug/l
RT: 5.27 min Scan# 676
Delta R.T. 0.06 min
Lab File: VX006069.D
Acq: 17 Nov 2018 15:32

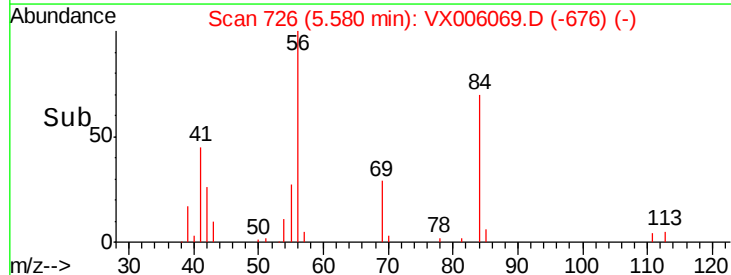
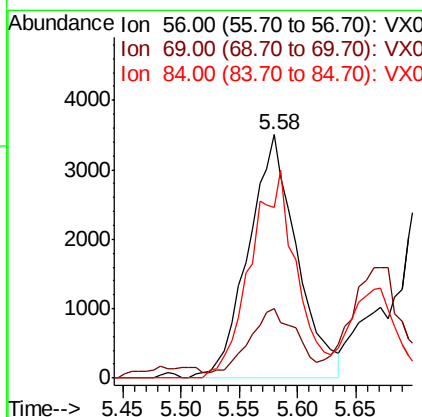
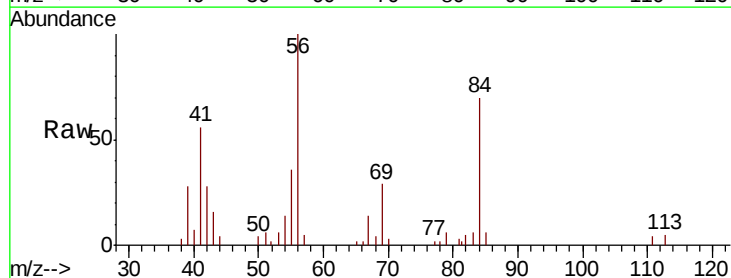
Instrument :
MSVOA_X
ClientSampleId :
MW-2DL

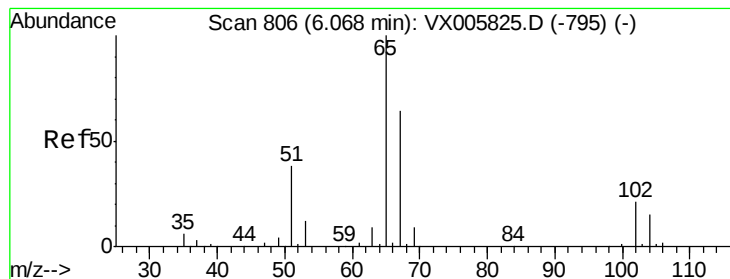
Tot Ion: 83 Resp: 982
Ion Ratio Lower Upper
83 100
85 0.0 50.6 76.0#



#31
Cyclohexane
Concen: 4.855 ug/l
RT: 5.58 min Scan# 726
Delta R.T. 0.01 min
Lab File: VX006069.D
Acq: 17 Nov 2018 15:32

Tgt Ion: 56 Resp: 10130
Ion Ratio Lower Upper
56 100
69 24.2 22.6 34.0
84 70.3 62.7 94.1





#33

1,2-Dichloroethane-d4

Concen: 51.447 ug/l

RT: 6.06 min Scan# 805

Delta R.T. -0.01 min

Lab File: VX006069.D

Acq: 17 Nov 2018 15:32

Instrument :

MSVOA_X

ClientSampled :

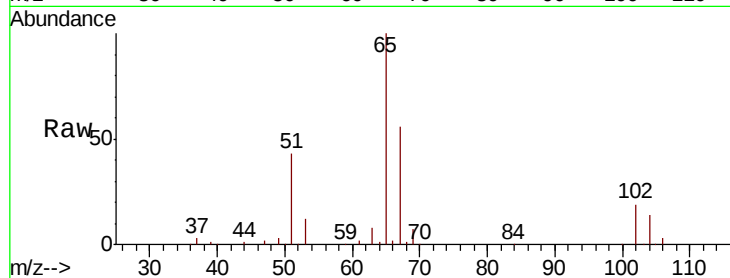
MW-2DL

Tot Ion: 65 Resp: 77048

Ion Ratio Lower Upper

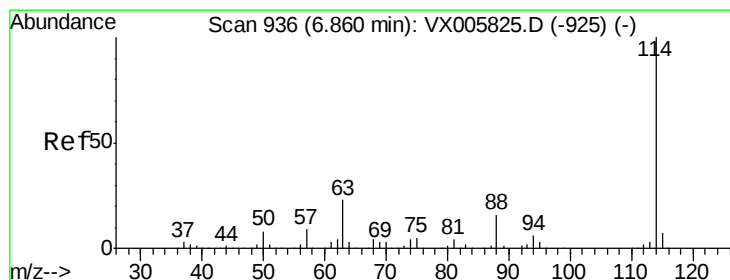
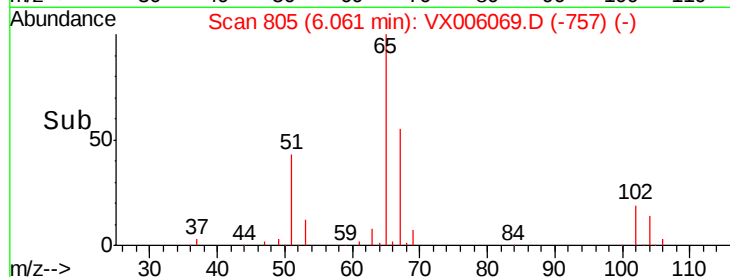
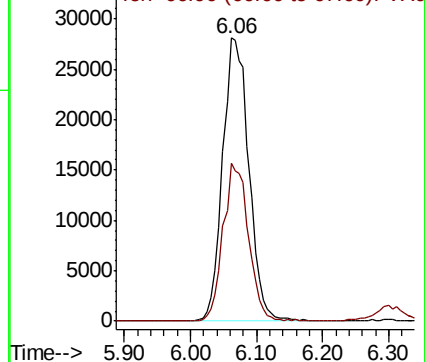
65 100

67 54.1 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: 6.87 min Scan# 937

Delta R.T. 0.01 min

Lab File: VX006069.D

Acq: 17 Nov 2018 15:32

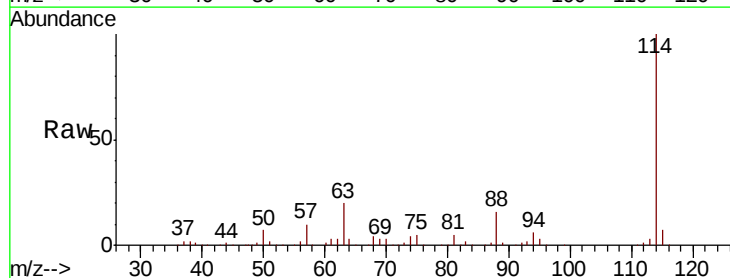
Tgt Ion: 114 Resp: 176931

Ion Ratio Lower Upper

114 100

63 19.8 0.0 42.8

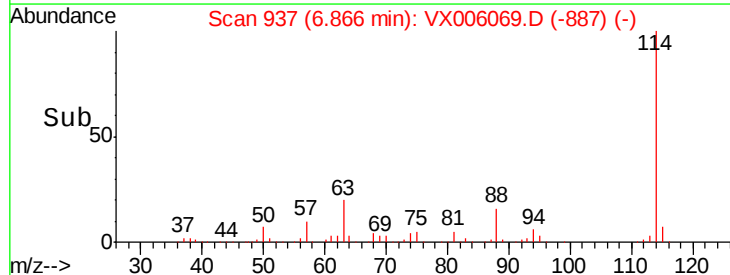
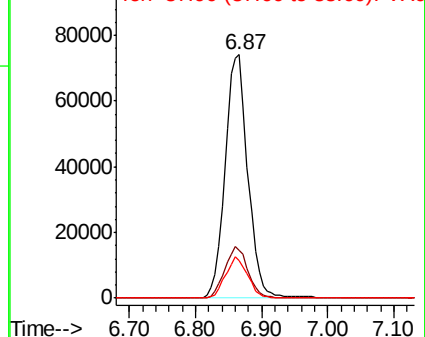
88 15.6 0.0 31.2

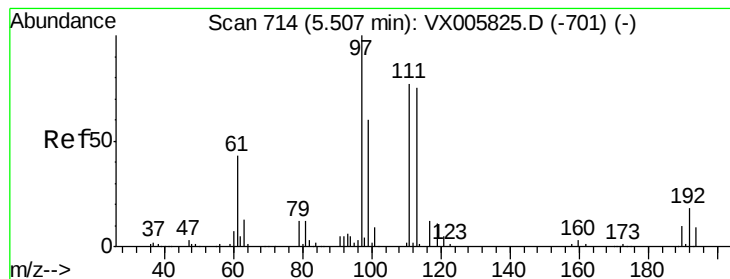


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 50.136 ug/l

RT: 5.51 min Scan# 714

Delta R.T. -0.00 min

Lab File: VX006069.D

Acq: 17 Nov 2018 15:32

Instrument :

MSVOA_X

ClientSampleId :

MW-2DL

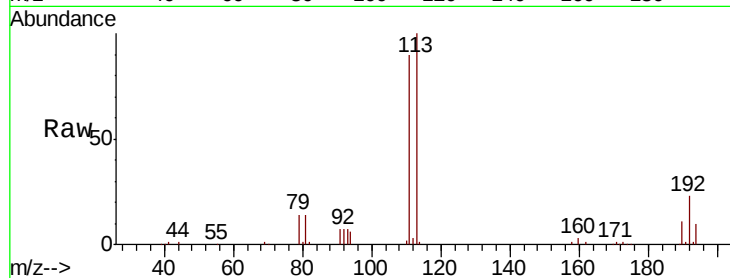
Tot Ion:113 Resp: 60333

Ion Ratio Lower Upper

113 100

111 102.6 82.3 123.5

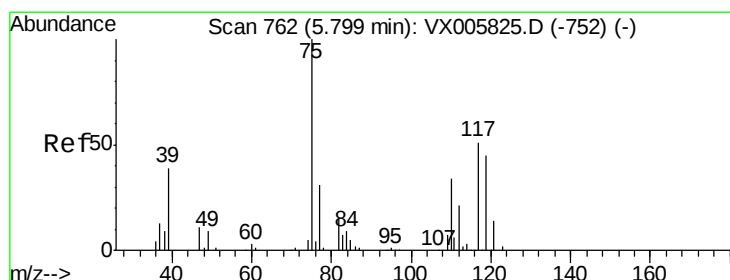
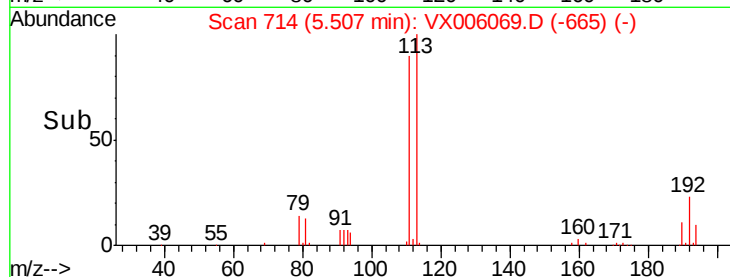
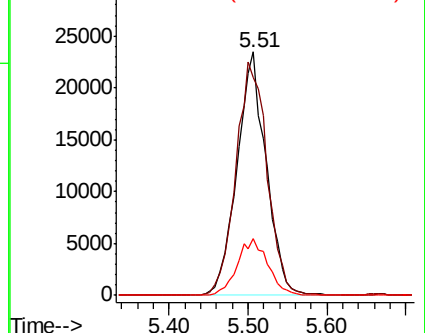
192 24.4 17.9 26.9



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: 5.341 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.14 min

Lab File: VX006069.D

Acq: 17 Nov 2018 15:32

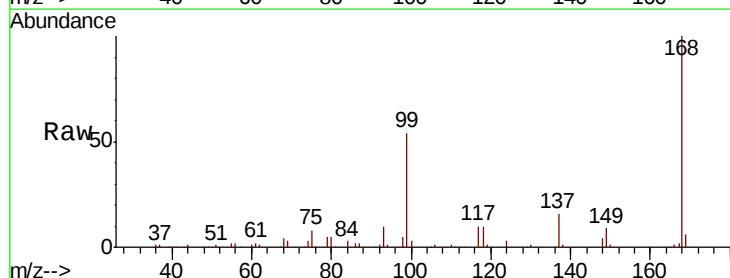
Tgt Ion: 75 Resp: 9110

Ion Ratio Lower Upper

75 100

110 8.3 17.4 52.2#

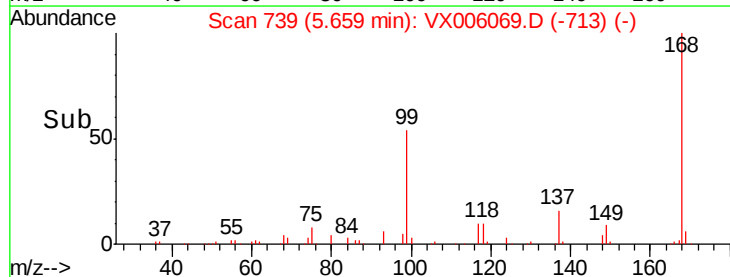
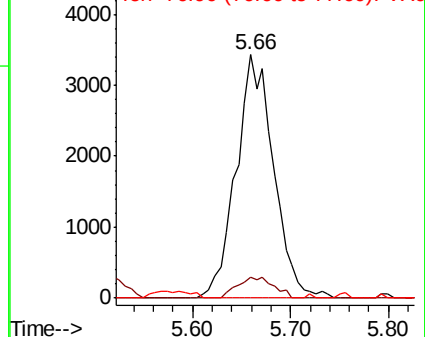
77 0.0 25.8 38.6#

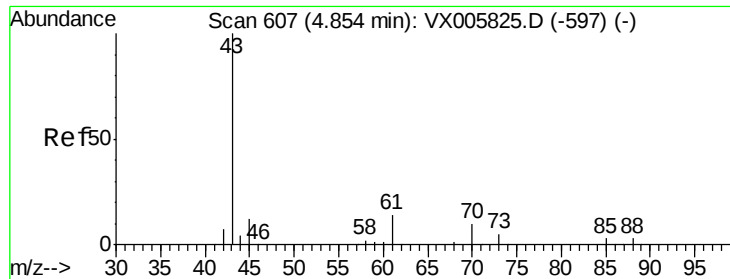


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0

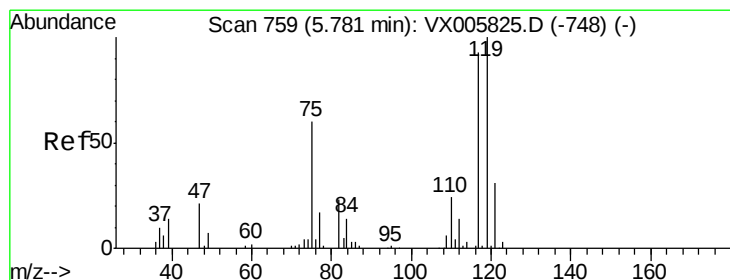
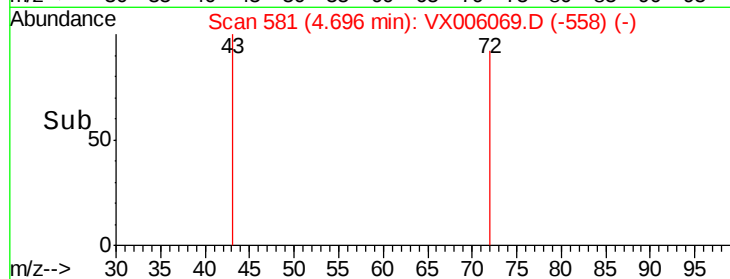
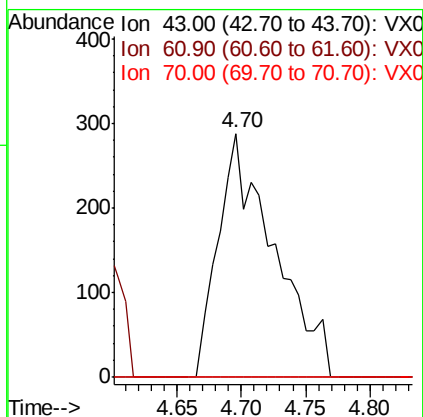
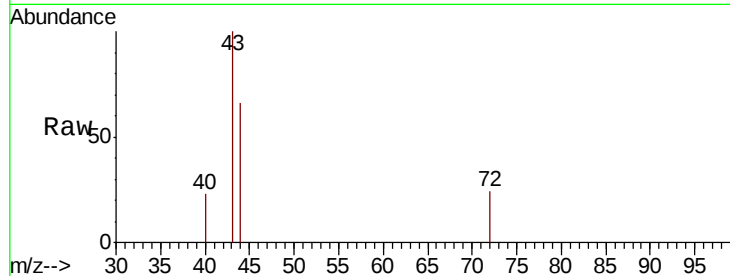




#37
Ethyl Acetate
Concen: 0.387 ug/l
RT: 4.70 min Scan# 581
Delta R.T. -0.16 min
Lab File: VX006069.D
Acq: 17 Nov 2018 15:32

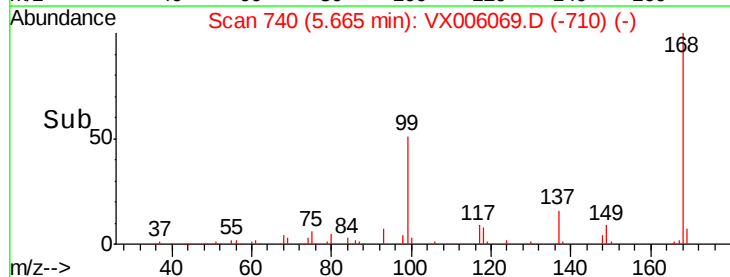
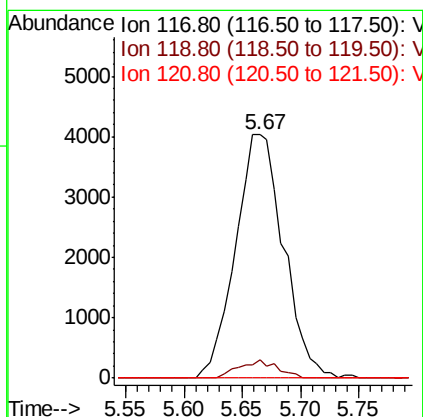
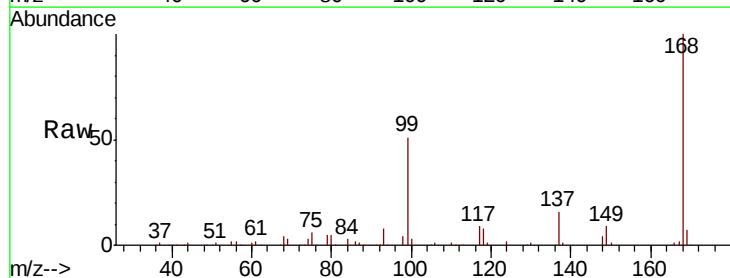
Instrument :
MSVOA_X
ClientSampleId :
MW-2DL

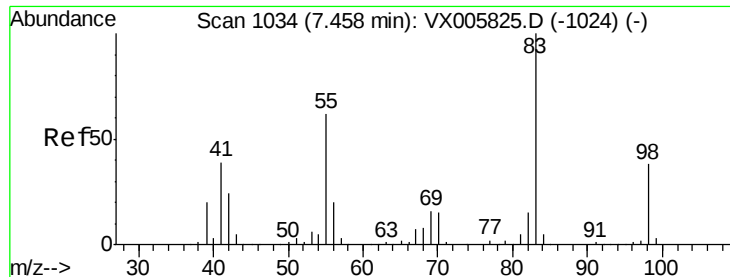
Tot Ion: 43 Resp: 868
Ion Ratio Lower Upper
43 100
61 0.0 10.8 16.2#
70 0.0 7.8 11.8#



#38
Carbon Tetrachloride
Concen: 6.769 ug/l
RT: 5.67 min Scan# 740
Delta R.T. -0.12 min
Lab File: VX006069.D
Acq: 17 Nov 2018 15:32

Tgt Ion: 117 Resp: 11559
Ion Ratio Lower Upper
117 100
119 7.7 78.1 117.1#
121 0.0 24.6 36.8#

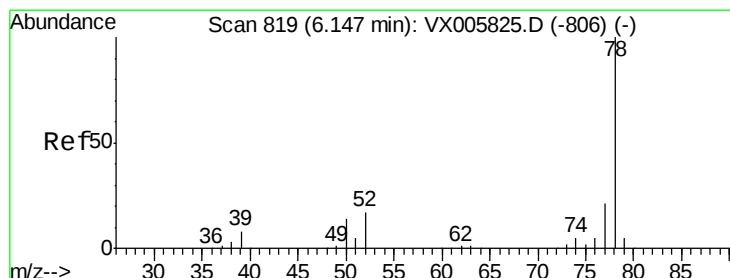
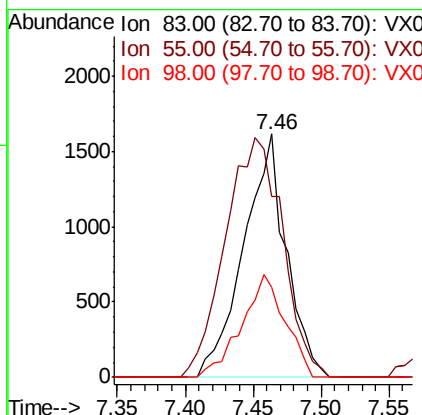
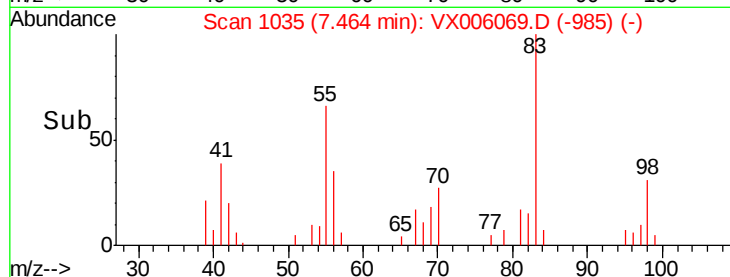
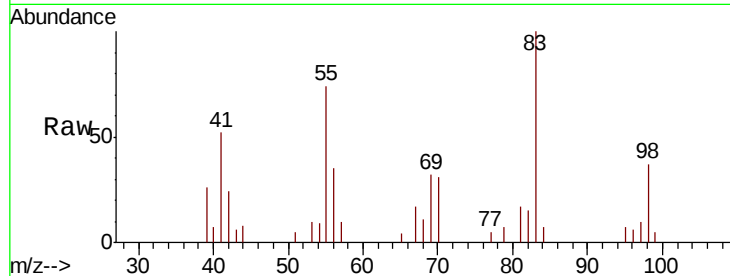




#39
Methvlcvclohexane
Concen: 2.046 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. 0.01 min
Lab File: VX006069.D
Acq: 17 Nov 2018 15:32

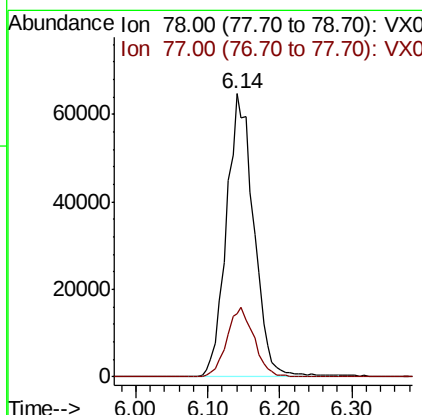
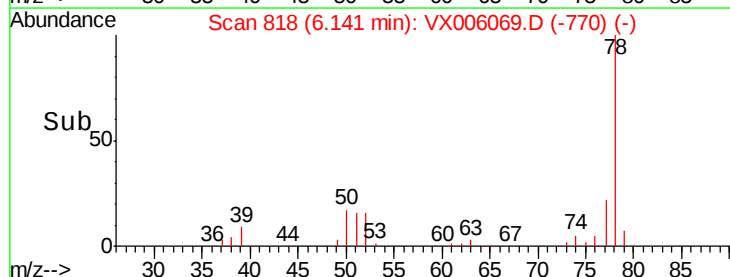
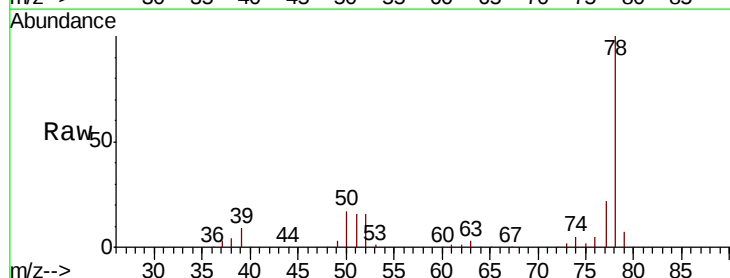
Instrument :
MSVOA_X
ClientSampleId :
MW-2DL

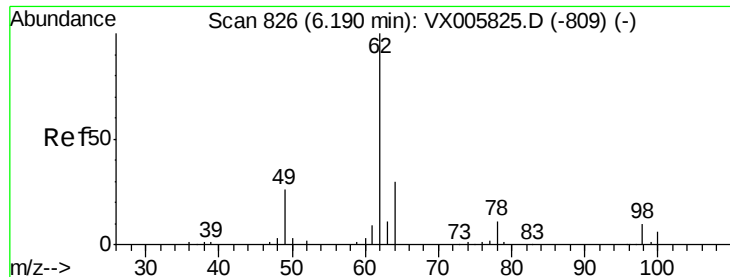
Tot Ion: 83 Resp: 3537
Ion Ratio Lower Upper
83 100
55 74.3 63.7 95.5
98 36.7 36.2 54.2



#40
Benzene
Concen: 34.553 ug/l
RT: 6.14 min Scan# 818
Delta R.T. -0.01 min
Lab File: VX006069.D
Acq: 17 Nov 2018 15:32

Tgt Ion: 78 Resp: 171811
Ion Ratio Lower Upper
78 100
77 22.3 18.4 27.6

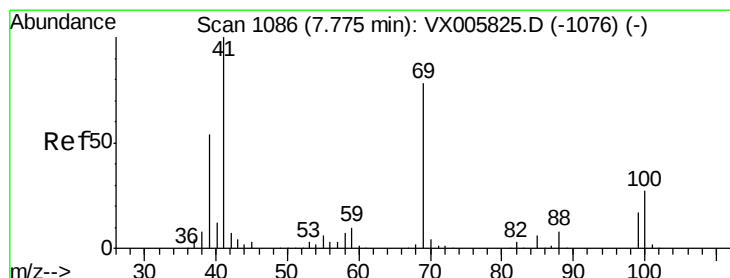
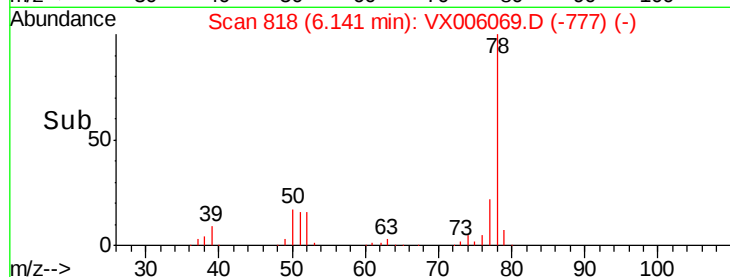
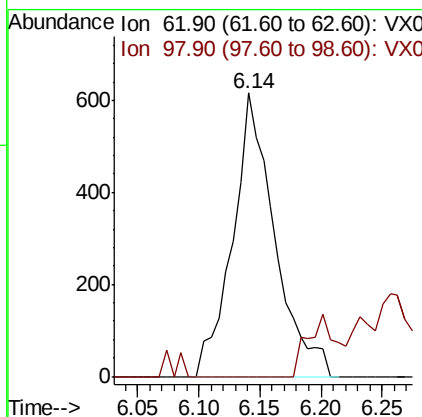
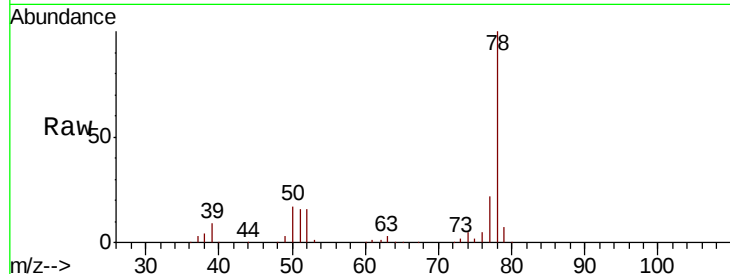




#42
 1,2-Dichloroethane
 Concen: 0.824 ug/l
 RT: 6.14 min Scan# 818
 Delta R.T. -0.05 min
 Lab File: VX006069.D
 Acq: 17 Nov 2018 15:32

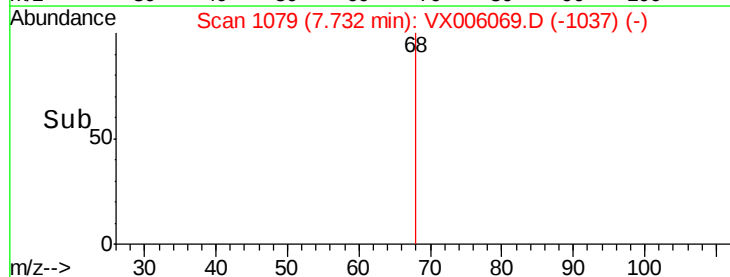
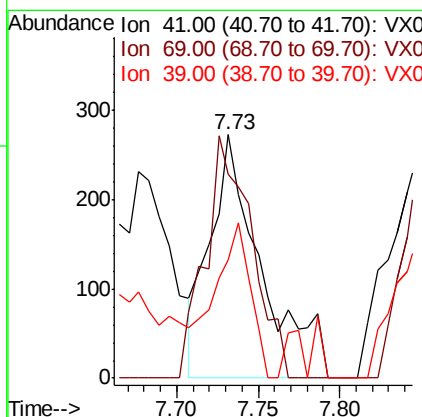
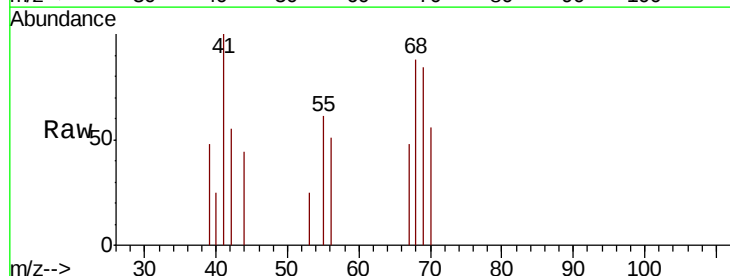
Instrument :
 MSVOA_X
 ClientSampleId :
 MW-2DL

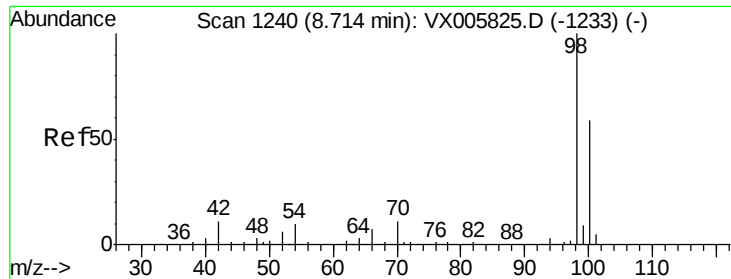
Tot Ion: 62 Resp: 1467
 Ion Ratio Lower Upper
 62 100
 98 0.0 0.0 17.8



#48
 Methyl methacrylate
 Concen: 0.410 ug/l
 RT: 7.73 min Scan# 1079
 Delta R.T. -0.04 min
 Lab File: VX006069.D
 Acq: 17 Nov 2018 15:32

Tgt Ion: 41 Resp: 598
 Ion Ratio Lower Upper
 41 100
 69 90.0 63.2 94.8
 39 44.6 42.2 63.2

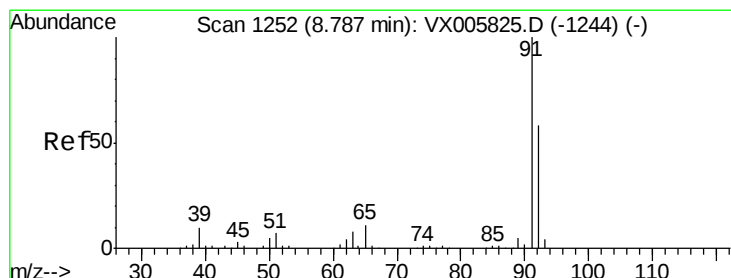
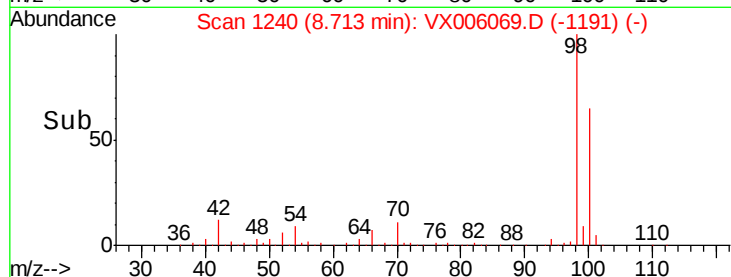
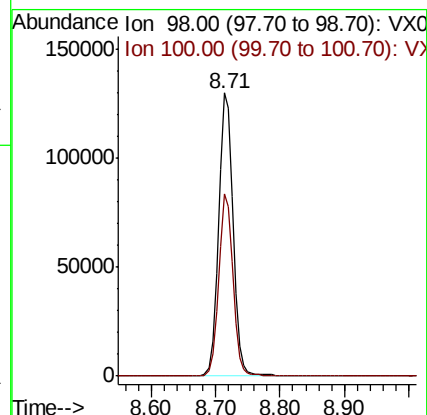
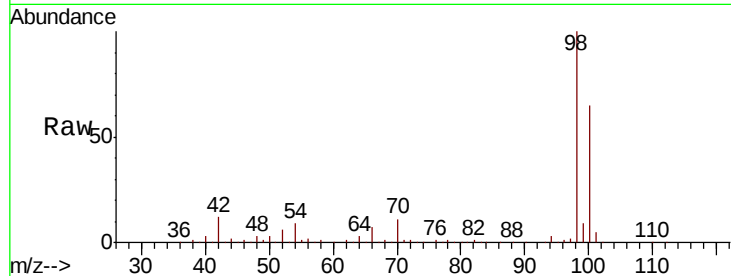




#50
Toluene-d8
Concen: 51.675 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX006069.D
Acq: 17 Nov 2018 15:32

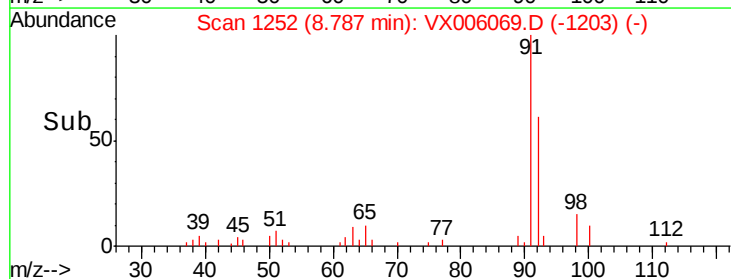
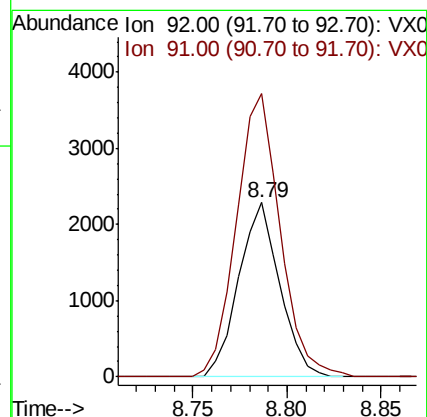
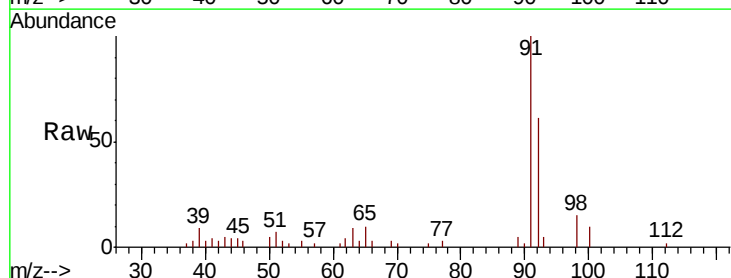
Instrument :
MSVOA_X
ClientSampled :
MW-2DL

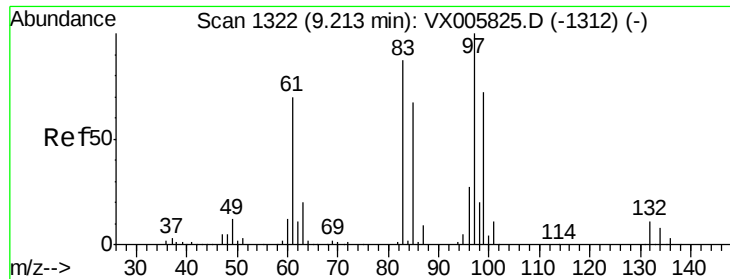
Tot Ion: 98 Resp: 206741
Ion Ratio Lower Upper
98 100
100 63.5 51.3 76.9



#52
Toluene
Concen: 1.240 ug/l
RT: 8.79 min Scan# 1252
Delta R.T. -0.00 min
Lab File: VX006069.D
Acq: 17 Nov 2018 15:32

Tgt Ion: 92 Resp: 3447
Ion Ratio Lower Upper
92 100
91 173.5 140.4 210.6

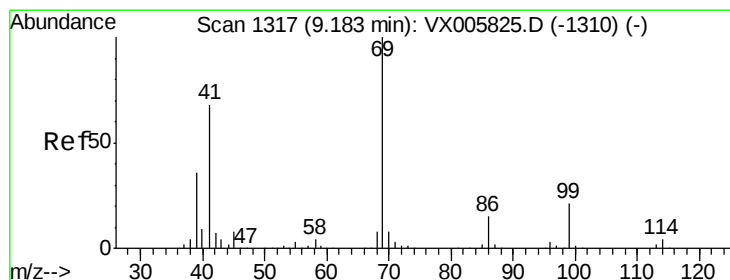
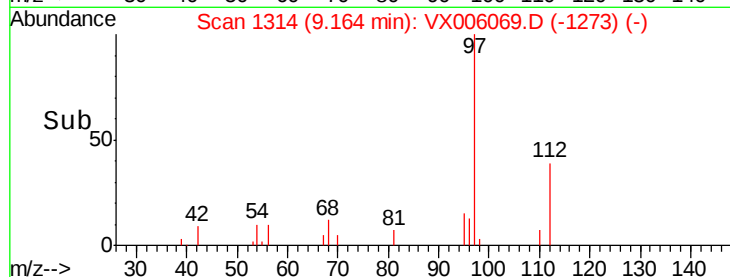
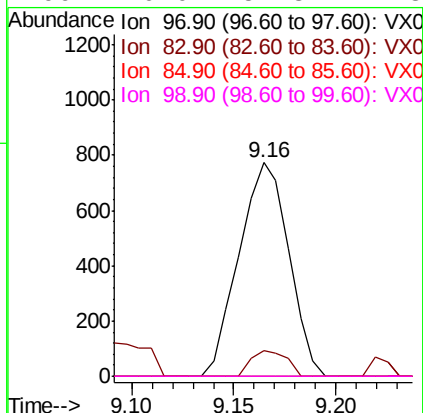
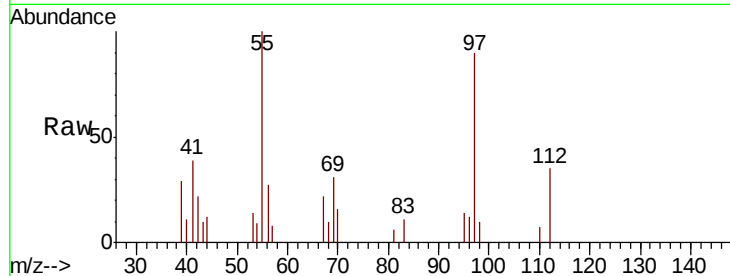




#55
 1,1,2-Trichloroethane
 Concen: 1.057 ug/l
 RT: 9.16 min Scan# 1314
 Delta R.T. -0.05 min
 Lab File: VX006069.D
 Acq: 17 Nov 2018 15:32

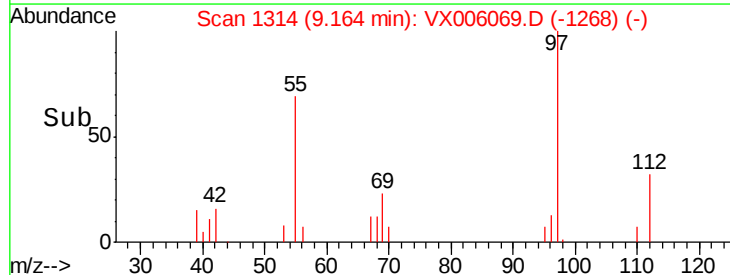
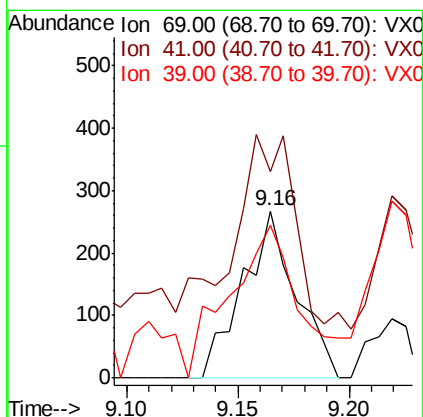
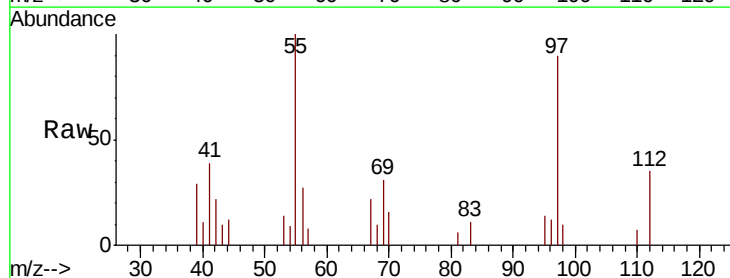
Instrument :
 MSVOA_X
 ClientSampleId :
 MW-2DL

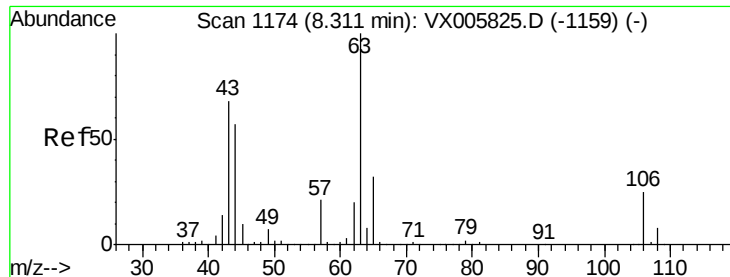
Tot Ion: 97 Resp: 1309
 Ion Ratio Lower Upper
 97 100
 83 11.9 70.7 106.1#
 85 0.0 45.8 68.6#
 99 0.0 51.8 77.8#



#56
 Ethyl methacrylate
 Concen: 0.240 ug/l
 RT: 9.16 min Scan# 1314
 Delta R.T. -0.02 min
 Lab File: VX006069.D
 Acq: 17 Nov 2018 15:32

Tgt Ion: 69 Resp: 445
 Ion Ratio Lower Upper
 69 100
 41 128.3 57.0 85.6#
 39 120.2 28.3 42.5#

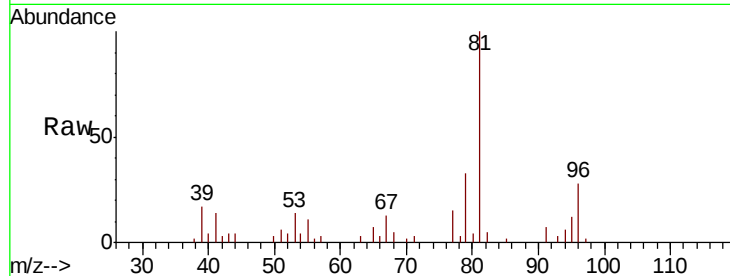




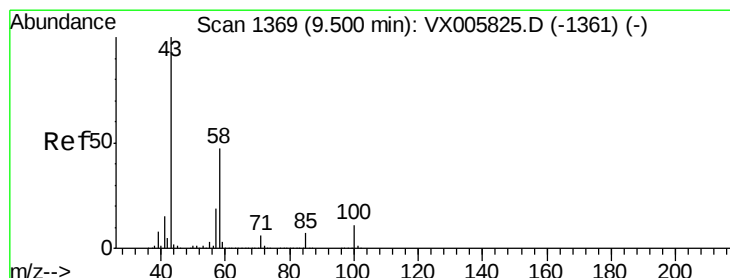
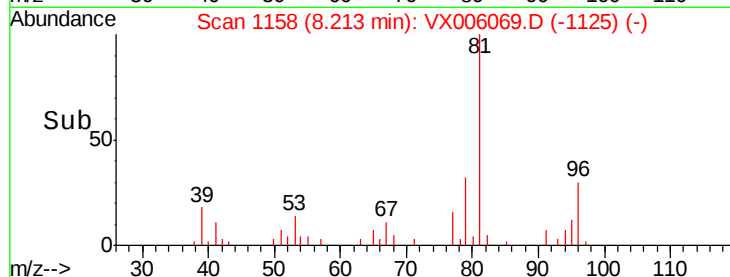
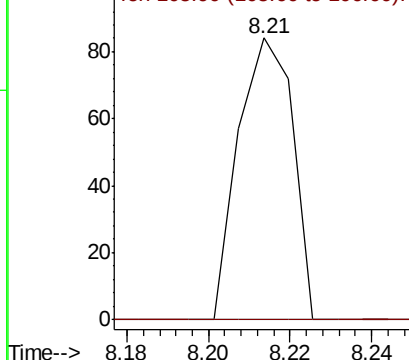
#58
 2-Chloroethyl Vinyl ether
 Concen: 8.353 ug/l
 RT: 8.21 min Scan# 1158
 Delta R.T. -0.10 min
 Lab File: VX006069.D
 Acq: 17 Nov 2018 15:32

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-2DL

Tot Ion: 63 Resp: 78
 Ion Ratio Lower Upper
 63 100
 106 0.0 21.3 31.9#

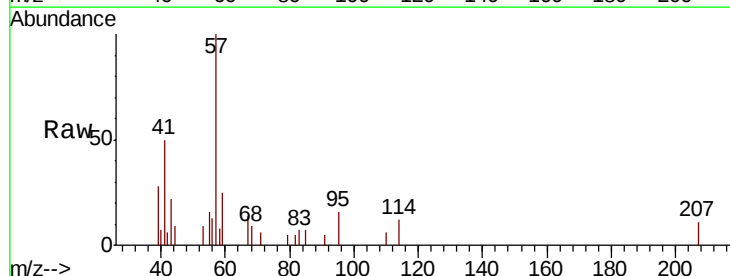


Abundance Ion 62.90 (62.60 to 63.60): VX0
 Ion 105.90 (105.60 to 106.60): V

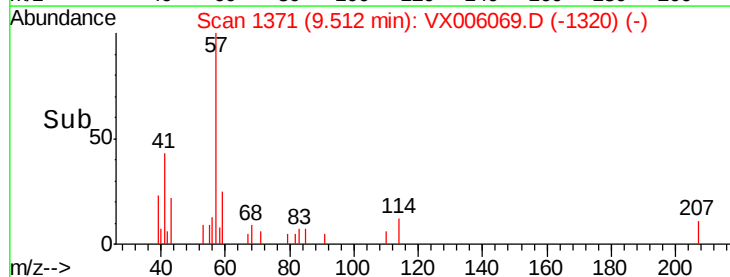
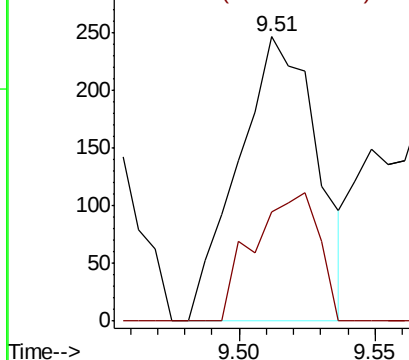


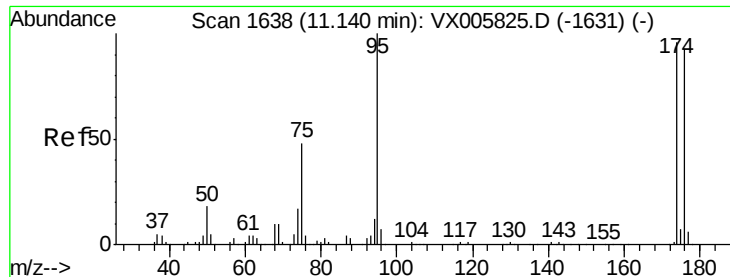
#59
 2-Hexanone
 Concen: 0.275 ug/l
 RT: 9.51 min Scan# 1371
 Delta R.T. 0.01 min
 Lab File: VX006069.D
 Acq: 17 Nov 2018 15:32

Tgt Ion: 43 Resp: 497
 Ion Ratio Lower Upper
 43 100
 58 37.0 25.9 77.8



Abundance Ion 43.00 (42.70 to 43.70): VX0
 Ion 58.00 (57.70 to 58.70): VX0

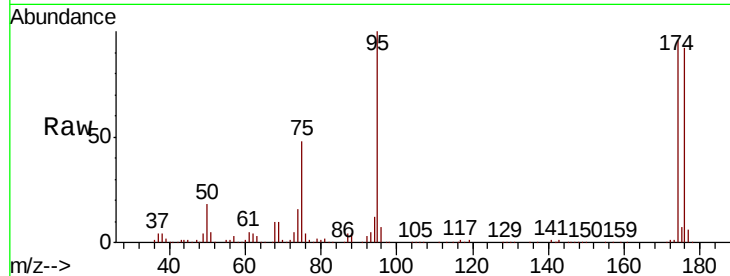




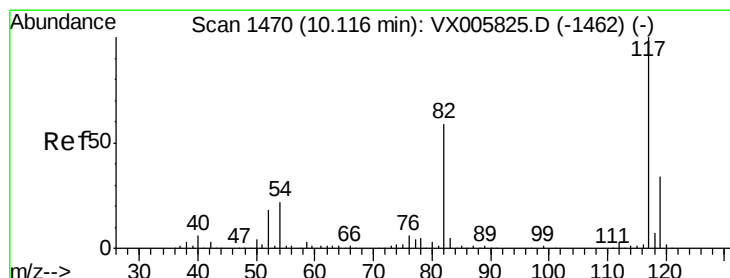
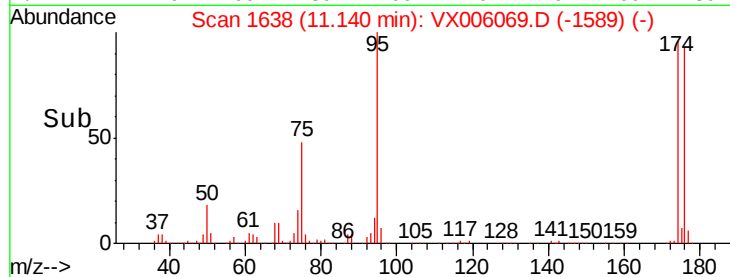
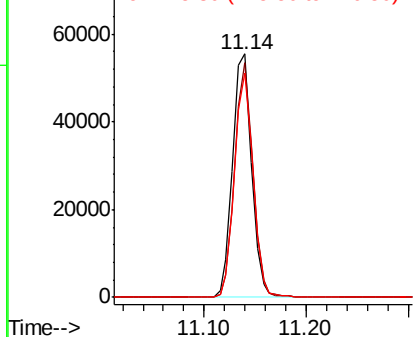
#62
4-Bromofluorobenzene
Concen: 49.746 ug/l
RT: 11.14 min Scan# 1638
Delta R.T. -0.00 min
Lab File: VX006069.D
Acq: 17 Nov 2018 15:32

Instrument :
MSVOA_X
ClientSampleId :
MW-2DL

Tot Ion: 95 Resp: 71556
Ion Ratio Lower Upper
95 100
174 91.6 0.0 184.4
176 89.3 0.0 177.4

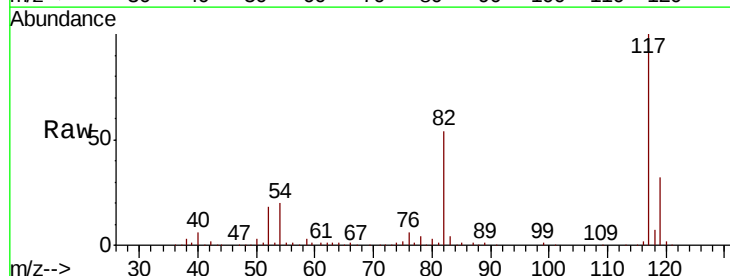


Abundance Ion 94.90 (94.60 to 95.60): VX0
Ion 173.80 (173.50 to 174.50): V
Ion 175.80 (175.50 to 176.50): V

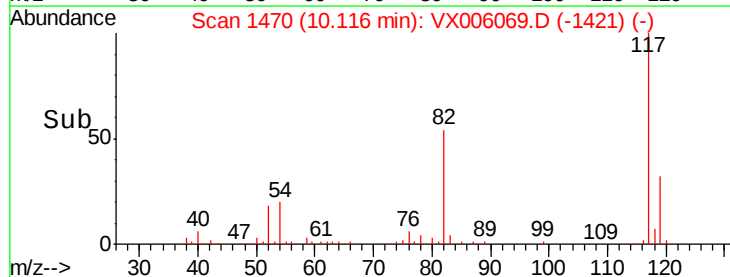
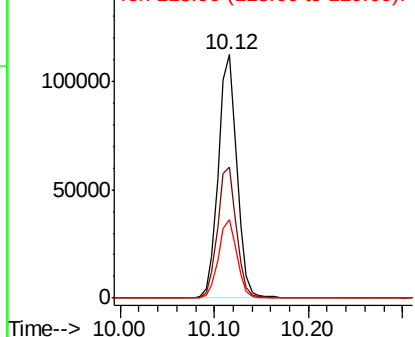


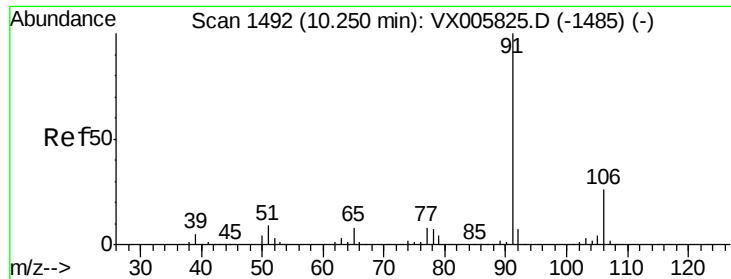
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. -0.00 min
Lab File: VX006069.D
Acq: 17 Nov 2018 15:32

Tgt Ion: 117 Resp: 154022
Ion Ratio Lower Upper
117 100
82 53.6 44.1 66.1
119 32.2 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

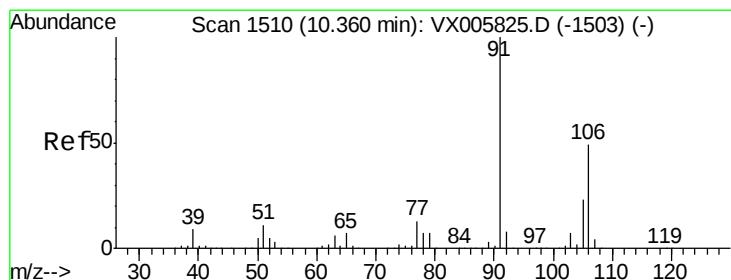
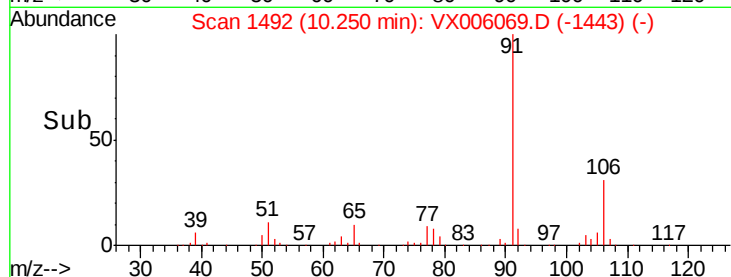
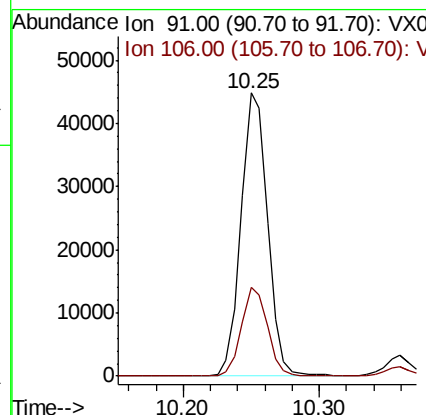
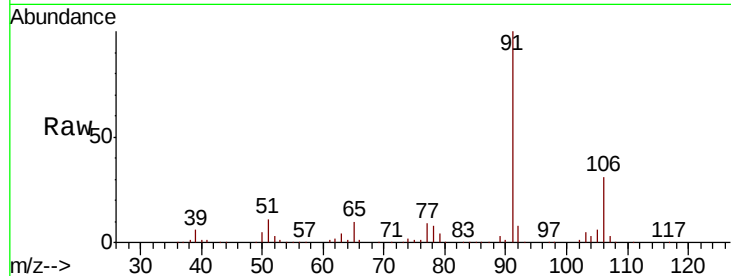




#67
Ethyl Benzene
Concen: 12.346 ug/l
RT: 10.25 min Scan# 1492
Delta R.T. -0.00 min
Lab File: VX006069.D
Acq: 17 Nov 2018 15:32

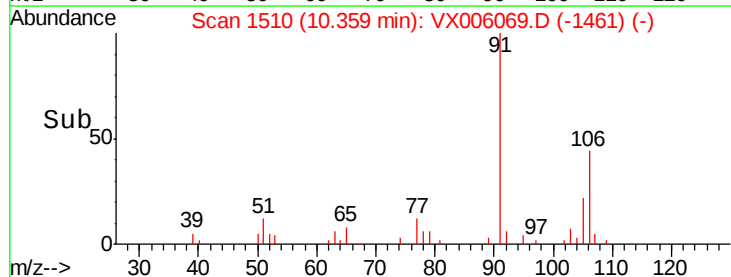
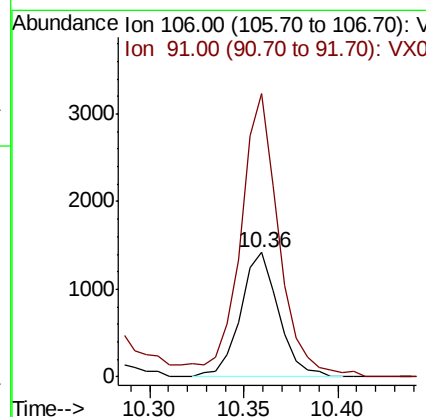
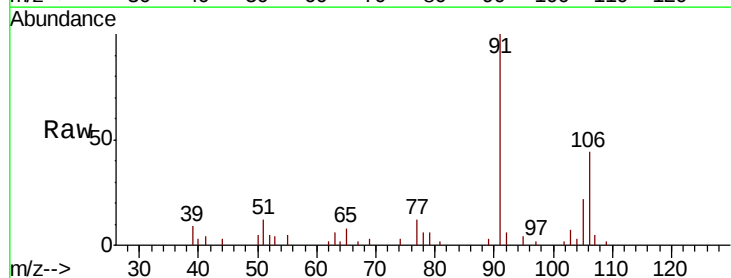
Instrument :
MSVOA_X
ClientSampled :
MW-2DL

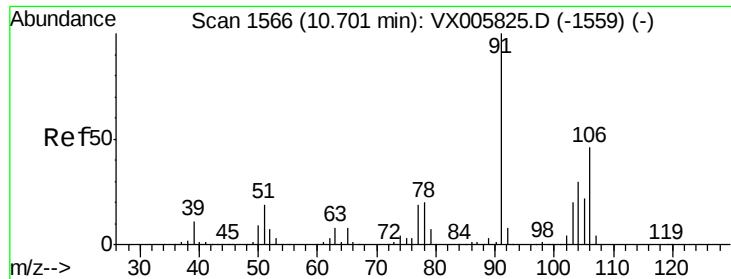
Tot Ion: 91 Resp: 61085
Ion Ratio Lower Upper
91 100
106 31.4 24.4 36.6



#68
m/p-Xylenes
Concen: 1.055 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. -0.00 min
Lab File: VX006069.D
Acq: 17 Nov 2018 15:32

Tgt Ion: 106 Resp: 1991
Ion Ratio Lower Upper
106 100
91 231.7 164.2 246.4

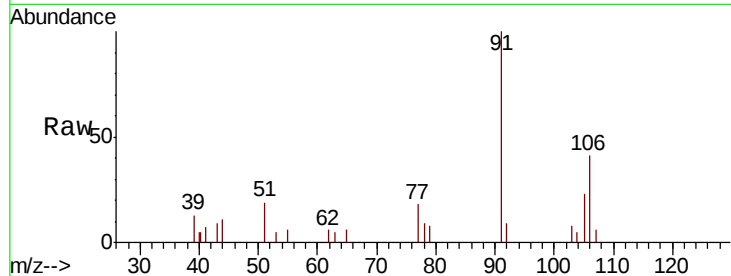




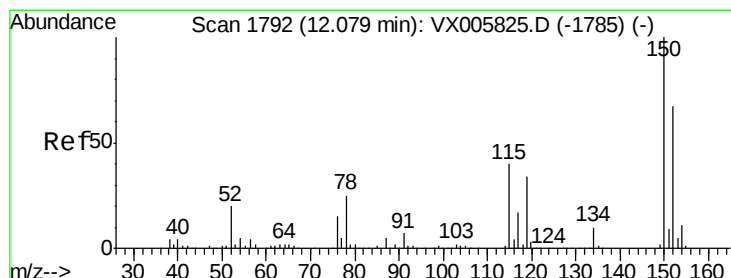
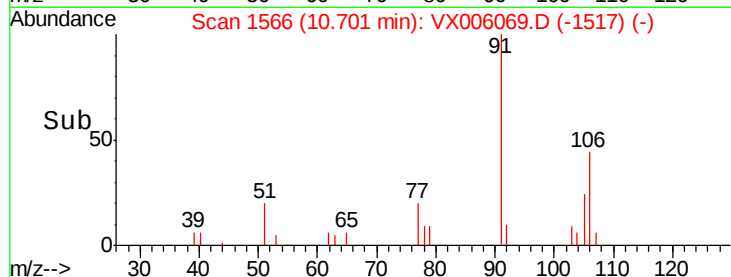
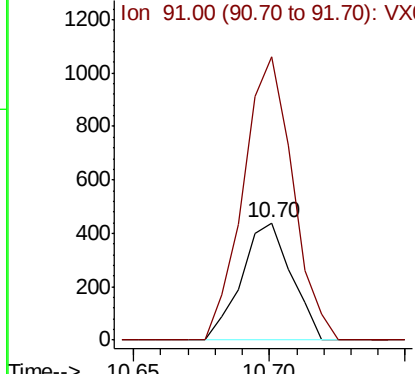
#69
o-Xylene
Concen: 0.329 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. -0.00 min
Lab File: VX006069.D
Acq: 17 Nov 2018 15:32

Instrument :
MSVOA_X
ClientSampled :
MW-2DL

Tot Ion:106 Resp: 556
Ion Ratio Lower Upper
106 100
91 241.0 108.5 325.5

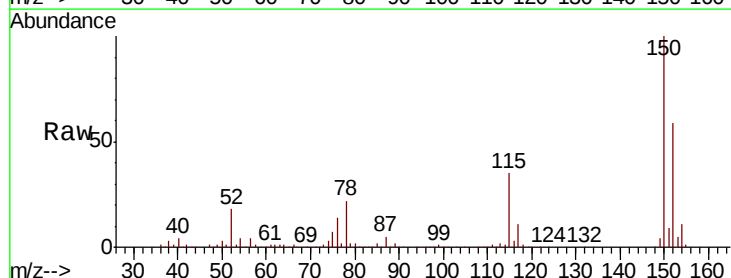


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VX0

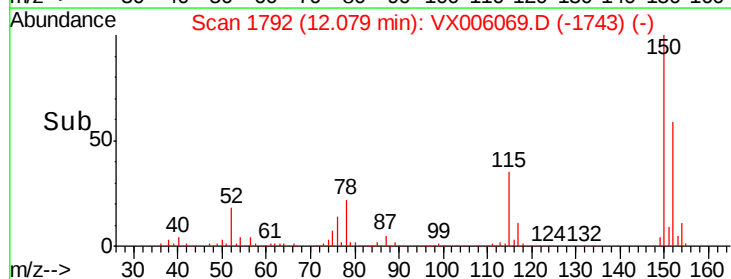
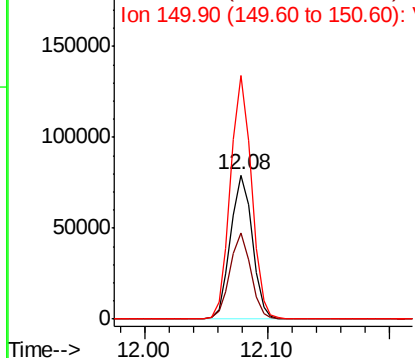


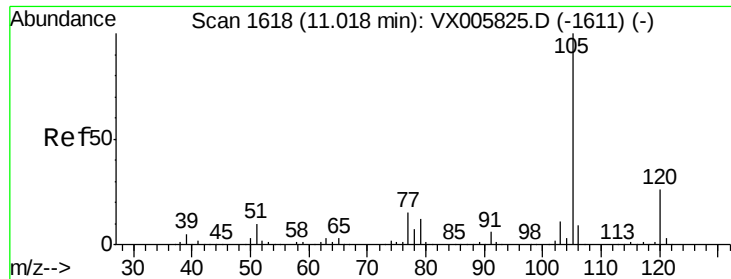
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX006069.D
Acq: 17 Nov 2018 15:32

Tgt Ion:152 Resp: 97655
Ion Ratio Lower Upper
152 100
115 56.9 39.4 118.1
150 162.6 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





#73

Isopropylbenzene

Concen: 1.928 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. -0.00 min

Lab File: VX006069.D

Acq: 17 Nov 2018 15:32

Instrument :

MSVOA_X

ClientSampleId :

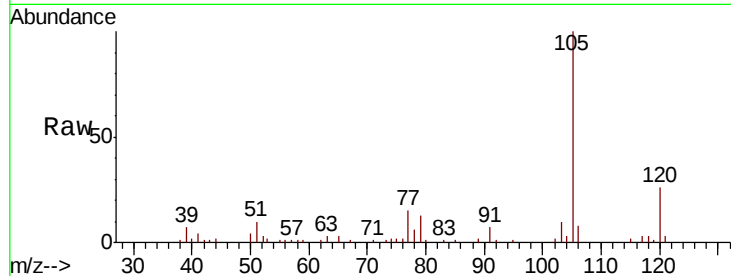
MW-2DL

Tot Ion:105 Resp: 10888

Ion Ratio Lower Upper

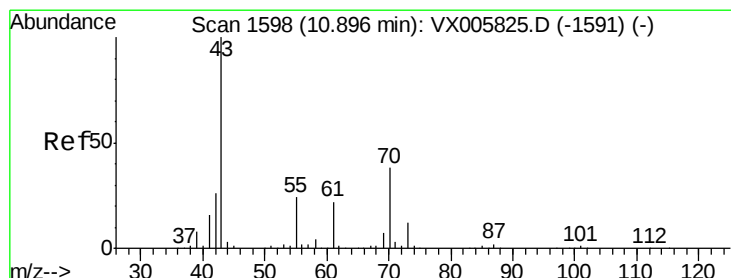
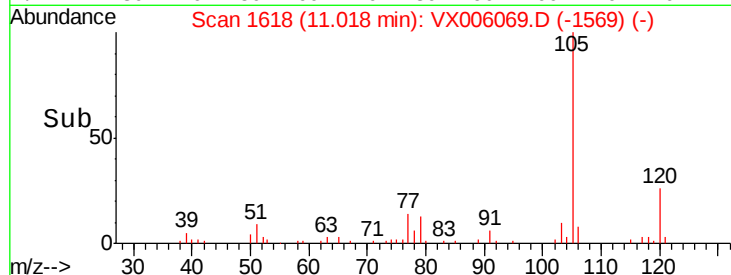
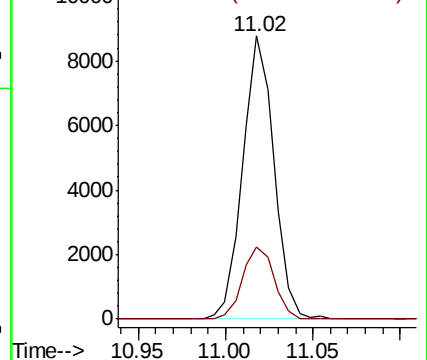
105 100

120 25.8 13.1 39.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 1.274 ug/l

RT: 10.90 min Scan# 1599

Delta R.T. 0.01 min

Lab File: VX006069.D

Acq: 17 Nov 2018 15:32

Tgt Ion: 43 Resp: 77

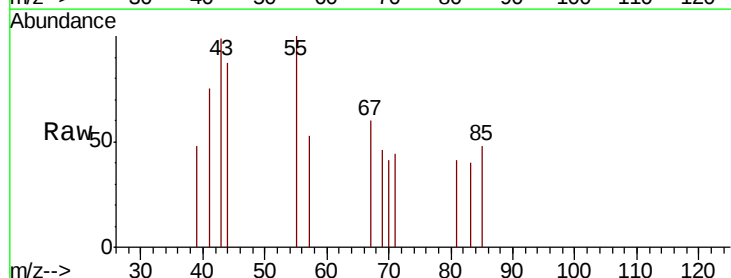
Ion Ratio Lower Upper

43 100

70 161.0 31.6 47.4#

55 715.6 19.7 29.5#

61 0.0 18.3 27.5#

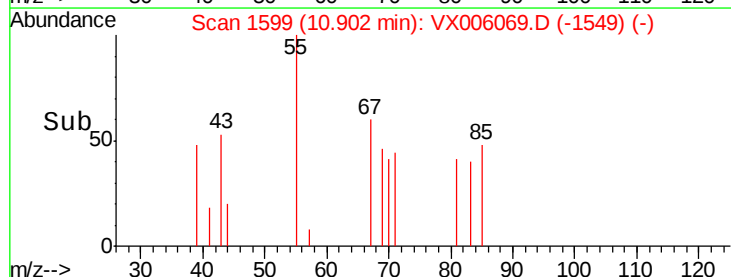
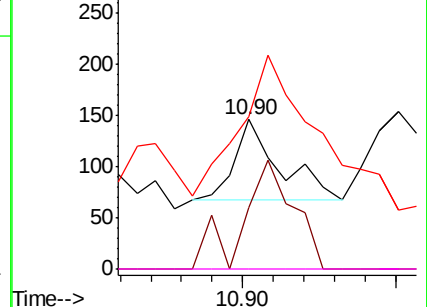


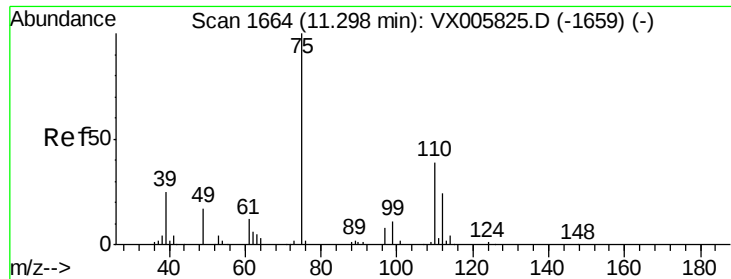
Abundance Ion 43.00 (42.70 to 43.70): VX0

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: 17.783 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX006069.D

Acq: 17 Nov 2018 15:32

Instrument :

MSVOA_X

ClientSampleId :

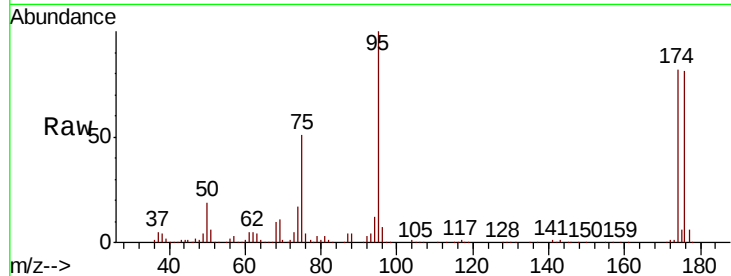
MW-2DL

Tot Ion: 75 Resp: 35361

Ion Ratio Lower Upper

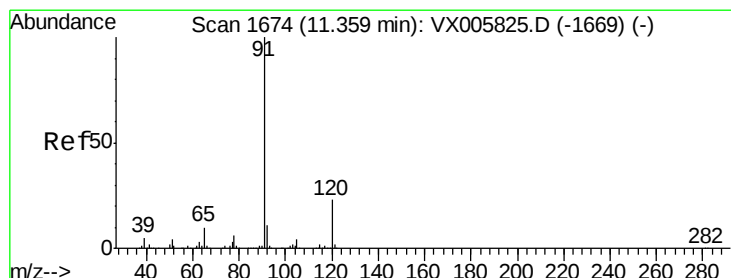
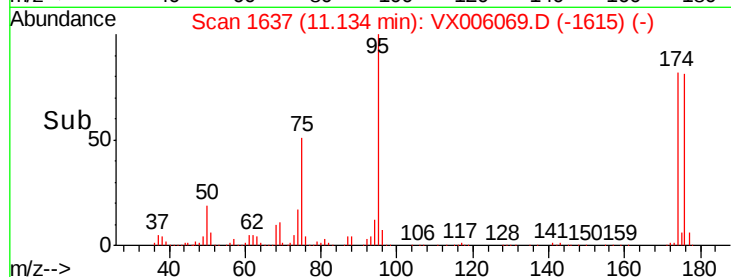
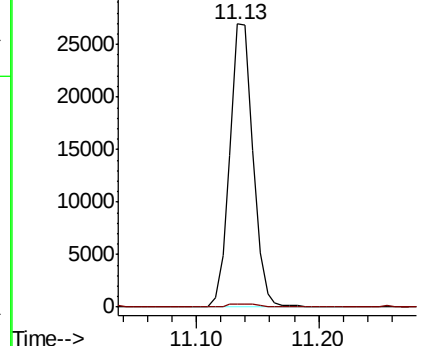
75 100

77 1.4 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: 3.793 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. -0.00 min

Lab File: VX006069.D

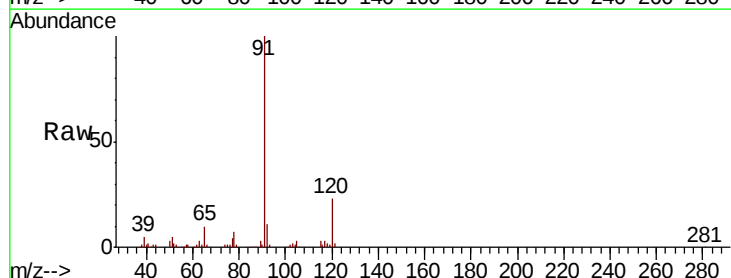
Acq: 17 Nov 2018 15:32

Tgt Ion: 91 Resp: 25241

Ion Ratio Lower Upper

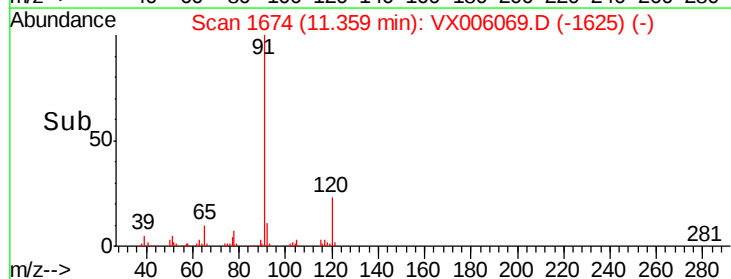
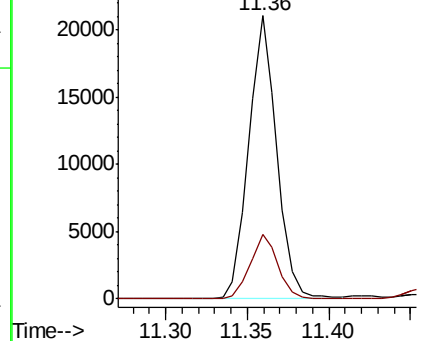
91 100

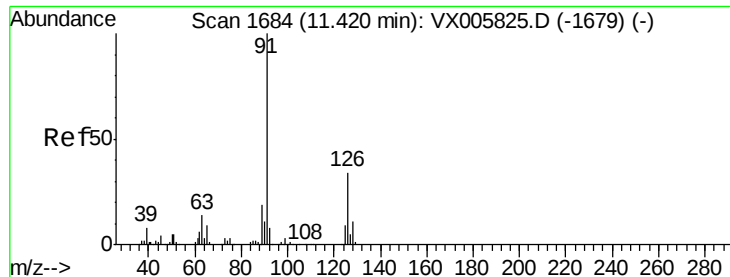
120 22.5 11.9 35.5



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 6.274 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. -0.06 min

Lab File: VX006069.D

Acq: 17 Nov 2018 15:32

Instrument :

MSVOA_X

ClientSampleId :

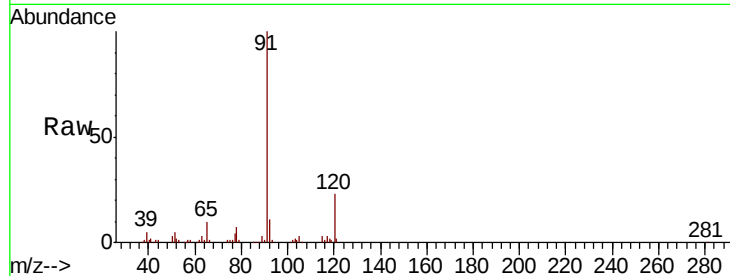
MW-2DL

Tot Ion: 91 Resp: 25241

Ion Ratio Lower Upper

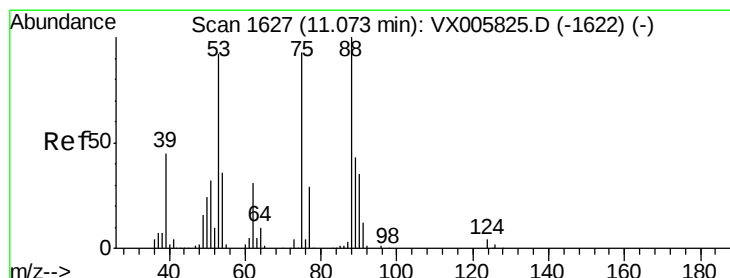
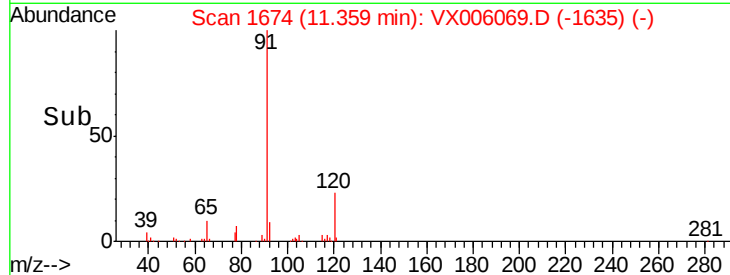
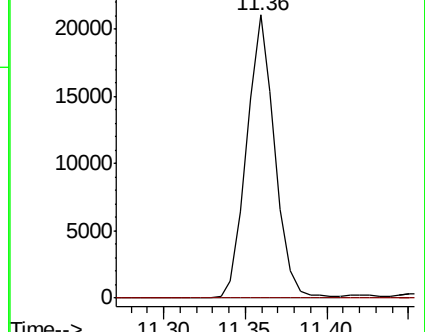
91 100

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



#81

trans-1,4-Dichloro-2-butene

Concen: 56.677 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX006069.D

Acq: 17 Nov 2018 15:32

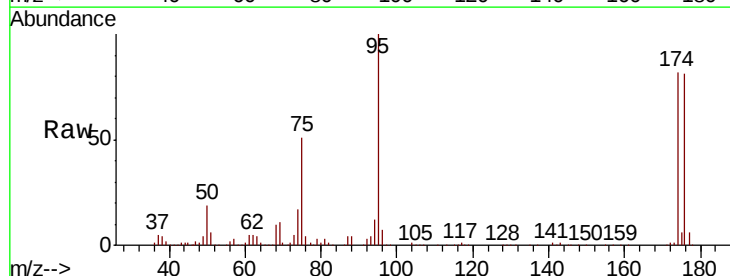
Tgt Ion: 75 Resp: 35361

Ion Ratio Lower Upper

75 100

53 0.1 80.2 120.2#

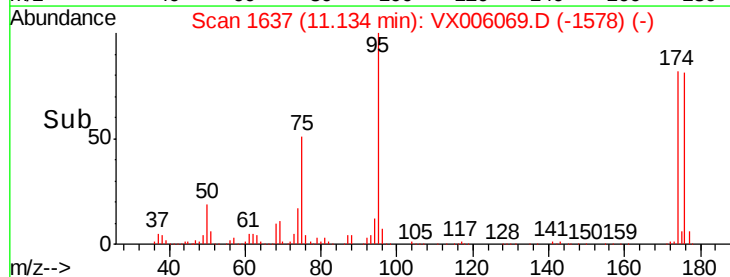
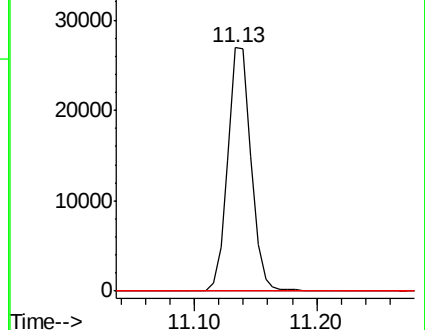
89 0.0 39.8 59.8#

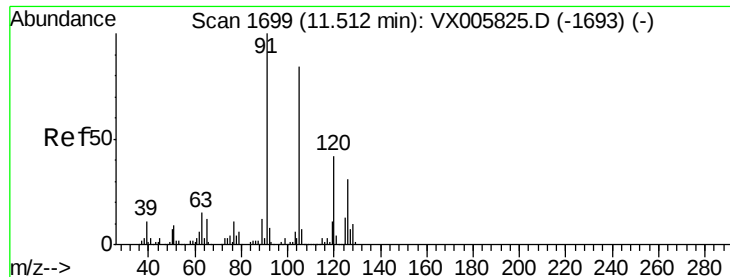


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0





#82

4-Chlorotoluene

Concen: 5.324 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. -0.15 min

Lab File: VX006069.D

Acq: 17 Nov 2018 15:32

Instrument :

MSVOA_X

ClientSampleId :

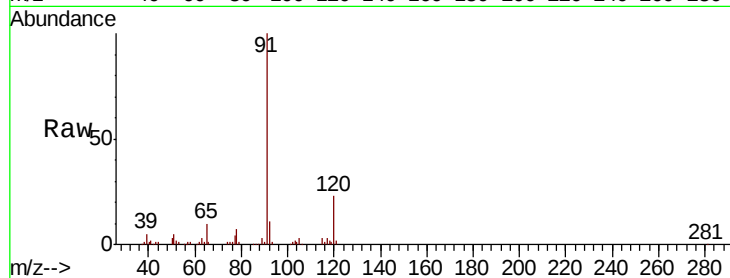
MW-2DL

Tot Ion: 91 Resp: 25241

Ion Ratio Lower Upper

91 100

126 0.0 15.2 45.6#



Abundance Ion 91.00 (90.70 to 91.70): VX005825.D (-1693) (-)

Ion 125.90 (125.60 to 126.60): VX005825.D (-1693) (-)

11.36

25000

20000

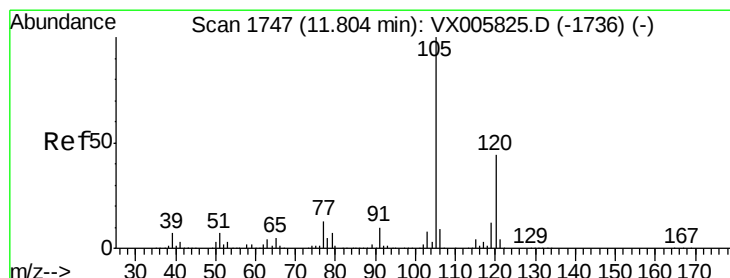
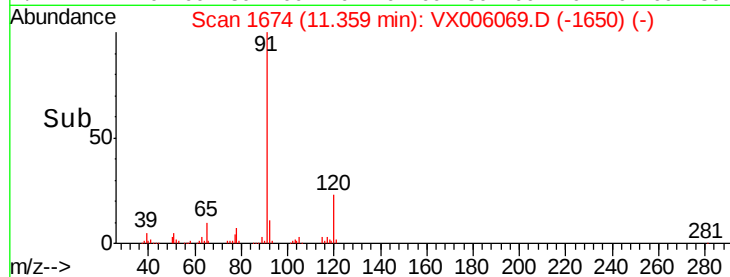
15000

10000

5000

0

Time-->



#84

1,2,4-Trimethylbenzene

Concen: 0.502 ug/l

RT: 11.80 min Scan# 1747

Delta R.T. 0.00 min

Lab File: VX006069.D

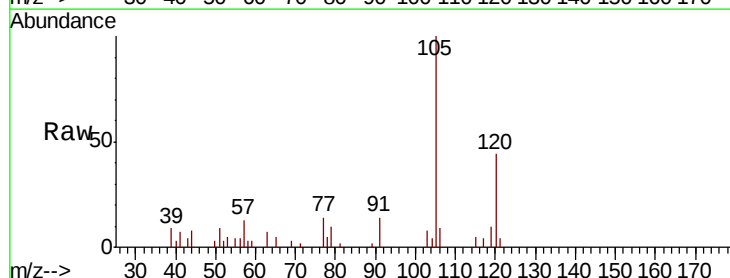
Acq: 17 Nov 2018 15:32

Tgt Ion: 105 Resp: 3287

Ion Ratio Lower Upper

105 100

120 42.9 22.4 67.0



Abundance Ion 105.00 (104.70 to 105.70): VX005825.D (-1736) (-)

Ion 120.00 (119.70 to 120.70): VX005825.D (-1736) (-)

11.80

3000

2500

2000

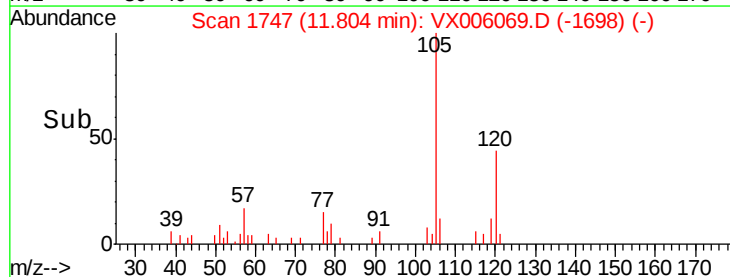
1500

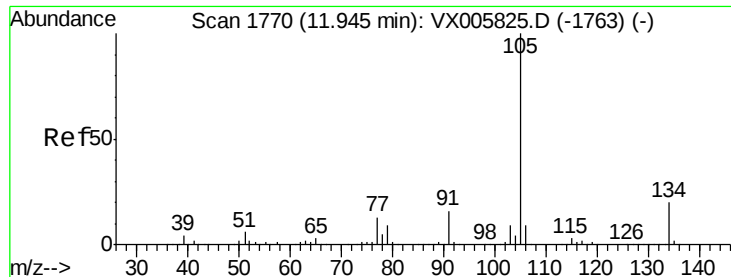
1000

500

0

Time-->





#85

sec-Butylbenzene

Concen: 0.979 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. -0.00 min

Lab File: VX006069.D

Acq: 17 Nov 2018 15:32

Instrument :

MSVOA_X

ClientSampled :

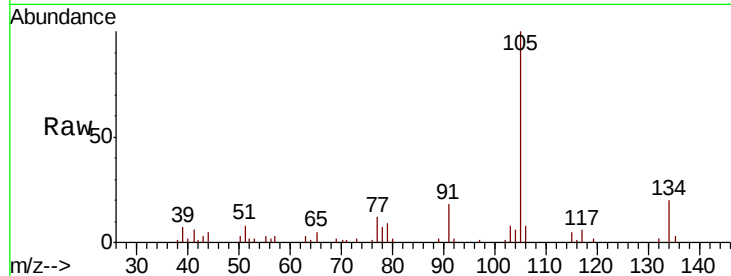
MW-2DL

Tot Ion:105 Resp: 5814

Ion Ratio Lower Upper

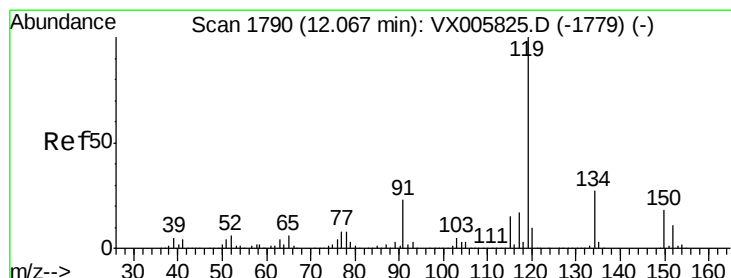
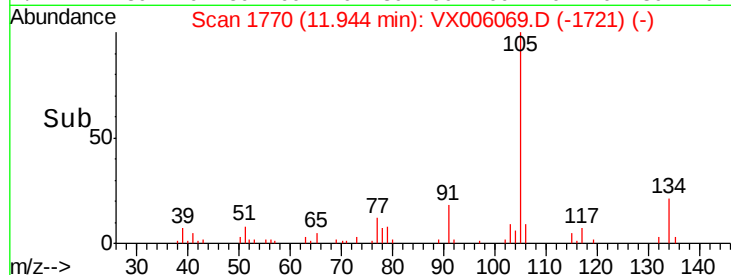
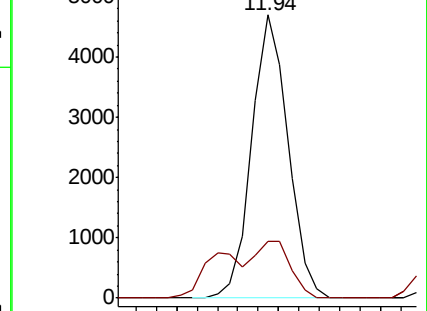
105 100

134 20.1 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: 0.201 ug/l

RT: 12.07 min Scan# 1790

Delta R.T. -0.00 min

Lab File: VX006069.D

Acq: 17 Nov 2018 15:32

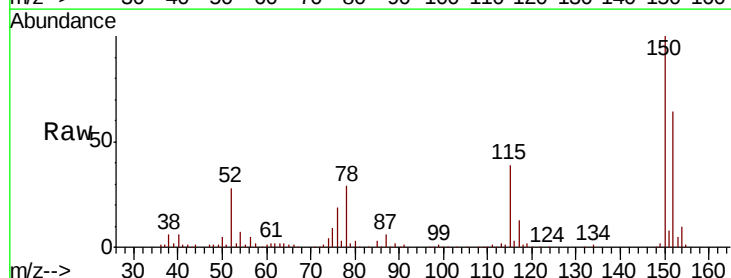
Tgt Ion:119 Resp: 1058

Ion Ratio Lower Upper

119 100

134 35.9 13.0 39.0

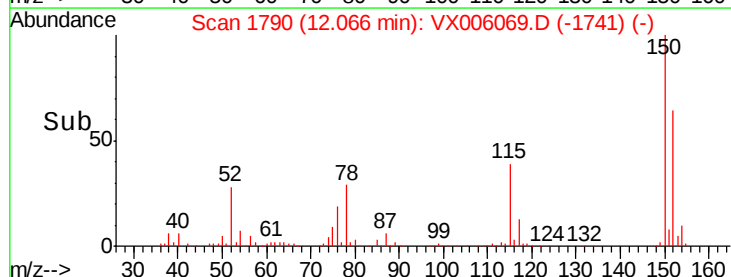
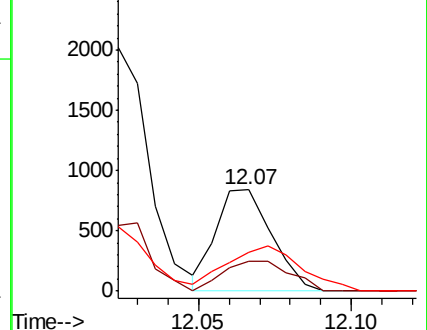
91 0.0 11.4 34.2#

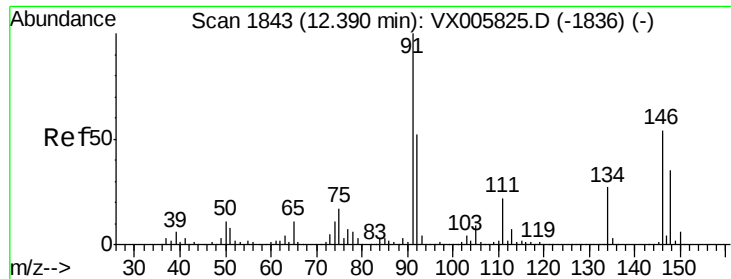


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VX0





#89

n-Butylbenzene

Concen: 2.191 ug/l

RT: 12.39 min Scan# 1843

Delta R.T. -0.00 min

Lab File: VX006069.D

Acq: 17 Nov 2018 15:32

Instrument :

MSVOA_X

ClientSampleId :

MW-2DL

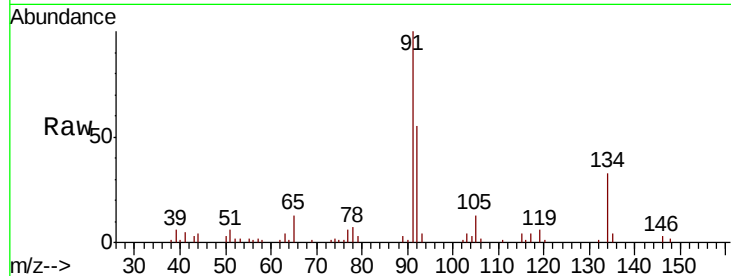
Tot Ion: 91 Resp: 10677

Ion Ratio Lower Upper

91 100

92 39.3 26.1 78.2

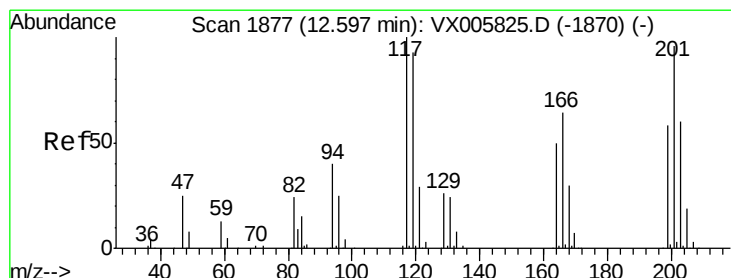
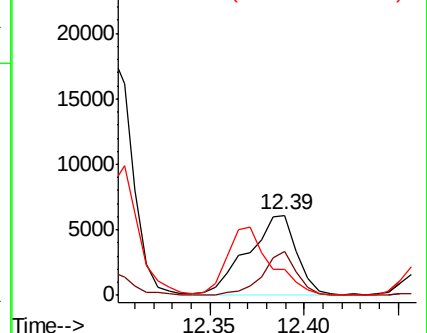
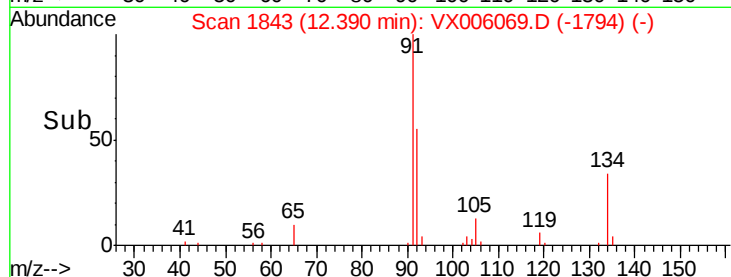
134 79.1 13.1 39.3#



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: 4.762 ug/l

RT: 12.67 min Scan# 1889

Delta R.T. 0.07 min

Lab File: VX006069.D

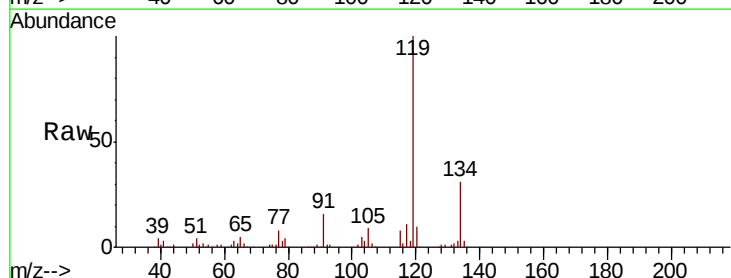
Acq: 17 Nov 2018 15:32

Tgt Ion: 117 Resp: 4181

Ion Ratio Lower Upper

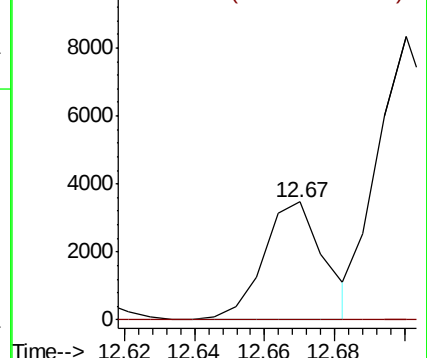
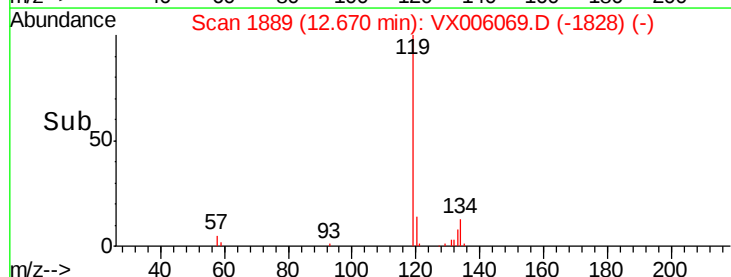
117 100

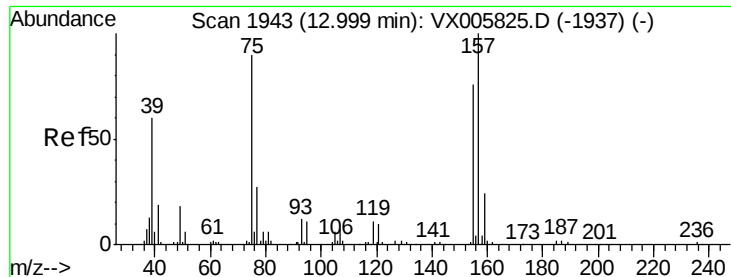
201 0.0 47.9 143.6#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V





#92

1,2-Dibromo-3-Chloropropane

Concen: 0.573 ug/l

RT: 12.98 min Scan# 1940

Delta R.T. -0.02 min

Lab File: VX006069.D

Acq: 17 Nov 2018 15:32

Instrument :

MSVOA_X

ClientSampleId :

MW-2DL

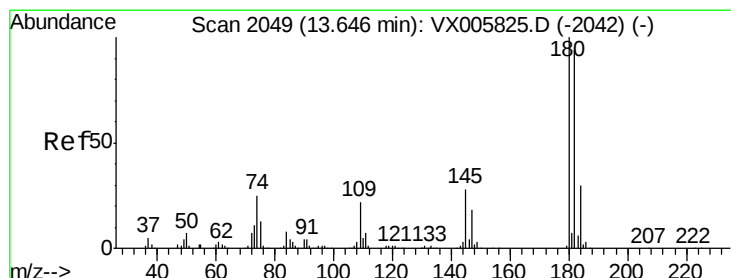
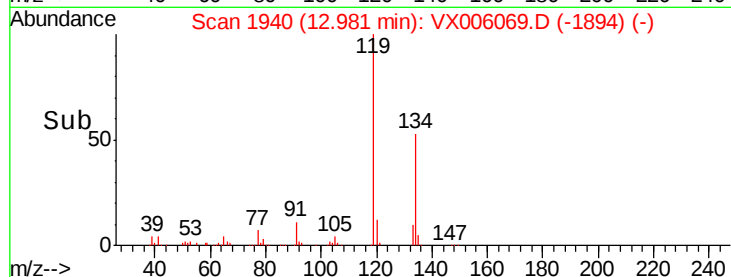
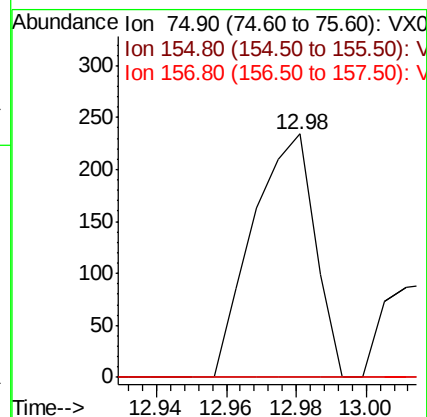
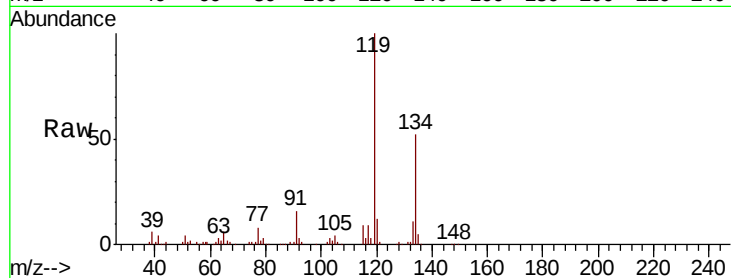
Tot Ion: 75 Resp: 290

Ion Ratio Lower Upper

75 100

155 0.0 45.4 136.1#

157 0.0 57.4 172.0#



#93

1,2,4-Trichlorobenzene

Concen: 0.203 ug/l

RT: 13.65 min Scan# 2049

Delta R.T. -0.00 min

Lab File: VX006069.D

Acq: 17 Nov 2018 15:32

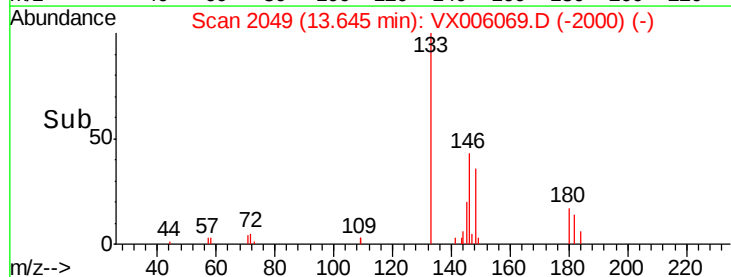
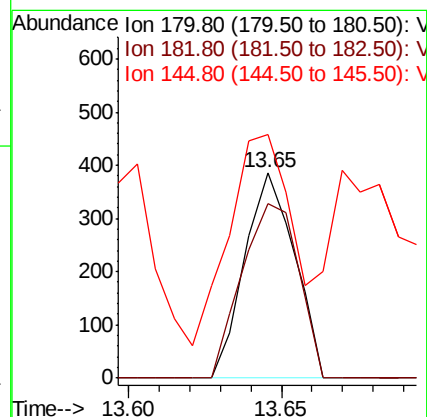
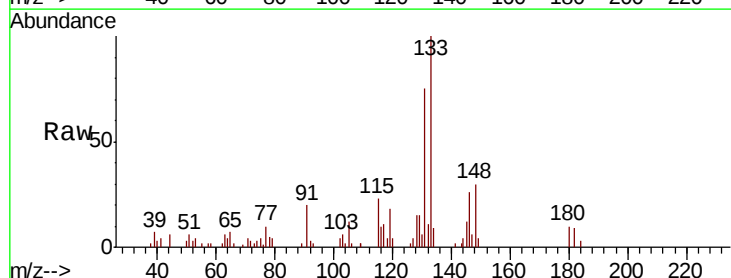
Tgt Ion:180 Resp: 437

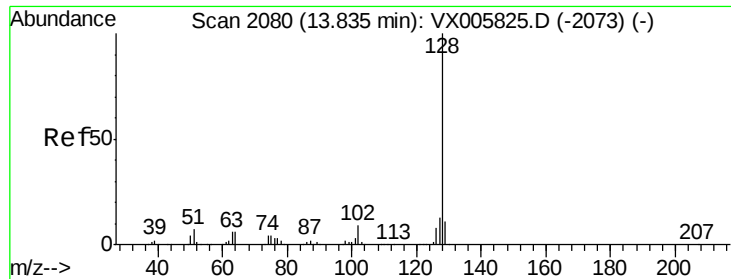
Ion Ratio Lower Upper

180 100

182 96.6 47.6 142.8

145 125.9 14.1 42.2#

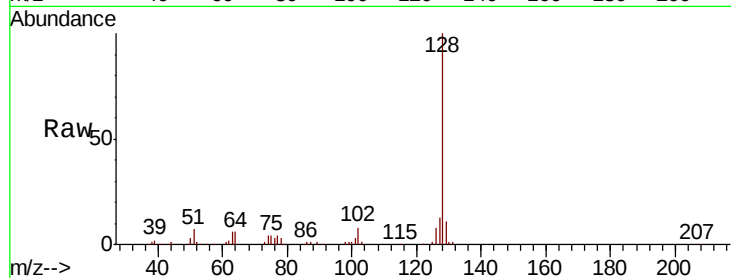




#95
Naphthalene
Concen: 5.006 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. 0.00 min
Lab File: VX006069.D
Acq: 17 Nov 2018 15:32

Instrument :
MSVOA_X
ClientSampleId :
MW-2DL

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.3	10.4	15.6
129	12.4	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

