

Data File : VX005834.D
Acq On : 07 Nov 2018 18:11
Operator : JC/MD
Sample : J5848-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
S81-0100

Quant Time: Nov 19 08:03:42 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	5.67	168	121693	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	154661	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	132987	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	68762	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	69294	49.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.06%	
35) Dibromofluoromethane	5.50	113	57665	54.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.64%	
50) Toluene-d8	8.71	98	182672	52.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.46%	
62) 4-Bromofluorobenzene	11.14	95	63924	50.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.68%	

Target Compounds

						Qvalue
3) Chloromethane	1.34	50	3085	2.142	ug/l #	54
4) Vinyl Chloride	1.41	62	1076	0.744	ug/l #	1
6) Chloroethane	1.97	64	509	0.590	ug/l #	42
10) Methyl Iodide	2.52	142	268	0.200	ug/l #	88
11) Tert butyl alcohol	3.03	59	176	0.439	ug/l #	72
13) Acrolein	2.30	56	75	19.526	ug/l #	14
14) Allyl chloride	2.61	41	1798	0.748	ug/l #	47
15) Acrylonitrile	3.18	53	697	0.839	ug/l #	21
16) Acetone	2.45	43	21435	28.456	ug/l	98
17) Carbon Disulfide	2.58	76	4996	1.557	ug/l	100
18) Methyl Acetate	2.84	43	5461	1.259	ug/l #	55
25) 2-Butanone	4.70	43	2239	1.891	ug/l #	89
26) 2,2-Dichloropropane	4.40	77	378	0.230	ug/l #	53
27) cis-1,2-Dichloroethene	4.59	96	2672	2.133	ug/l	96
31) Cyclohexane	5.58	56	14170	7.271	ug/l	98
36) 1,1-Dichloropropene	5.67	75	8073	5.415	ug/l #	50
37) Ethyl Acetate	4.70	43	2239	1.142	ug/l #	69
38) Carbon Tetrachloride	5.66	117	10705	7.172	ug/l #	15
39) Methylcyclohexane	7.46	83	17181	11.370	ug/l	94
40) Benzene	6.14	78	5502	1.266	ug/l	95
41) Methacrylonitrile	5.23	41	772	0.729	ug/l #	47
45) 1,2-Dichloropropane	7.46	63	245	0.232	ug/l #	1
48) Methyl methacrylate	7.73	41	1111	0.871	ug/l #	72
51) 4-Methyl-2-Pentanone	8.66	43	699	0.390	ug/l #	38
52) Toluene	8.78	92	1315	0.541	ug/l	99
55) 1,1,2-Trichloroethane	9.16	97	2077	1.918	ug/l #	18
56) Ethyl methacrylate	9.16	69	584	0.361	ug/l #	1
67) Ethyl Benzene	10.25	91	40677	9.522	ug/l	99
68) m/p-Xylenes	10.36	106	5203	3.193	ug/l	96
69) o-Xylene	10.70	106	41630	28.490	ug/l	99
70) Styrene	10.70	104	2605	1.081	ug/l #	1
73) Isopropylbenzene	11.02	105	4222	1.062	ug/l	100
74) N-amyl acetate	10.91	43	412	1.431	ug/l #	1
75) 1,1,2,2-Tetrachloroethane	11.27	83	311	0.213	ug/l #	26

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
76) 1,2,3-Trichloropropane	11.13	75	32089	22.918	ug/l #	37
78) n-propylbenzene	11.36	91	5664	1.209	ug/l	98
80) 1,3,5-Trimethylbenzene	11.45	105	3647	1.079	ug/l	74
81) trans-1,4-Dichloro-2-buten	11.13	75	32089	73.045	ug/l #	9
84) 1,2,4-Trimethylbenzene	11.81	105	24086	6.354	ug/l	99
85) sec-Butylbenzene	11.94	105	2229	0.533	ug/l	93
86) p-Isopropyltoluene	12.07	119	2185	0.590	ug/l	86
89) n-Butylbenzene	12.38	91	1937	0.564	ug/l #	72
90) Hexachloroethane	12.58	117	509	0.823	ug/l #	2
93) 1,2,4-Trichlorobenzene	13.65	180	442	0.291	ug/l #	23
94) Hexachlorobutadiene	13.78	225	200	0.251	ug/l	86
95) Naphthalene	13.83	128	7492	2.656	ug/l #	89
96) 1,2,3-Trichlorobenzene	14.02	180	362	0.234	ug/l #	10

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

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Operator : JC/MD

Sample : J5848-01

Misc : 5.0mL/MSVOA X/WATER

```
ALS Vial      : 14      Sample Multiplier: 1
```

Instrument :
MSVOA_X
ClientSampleId :
S81-0100

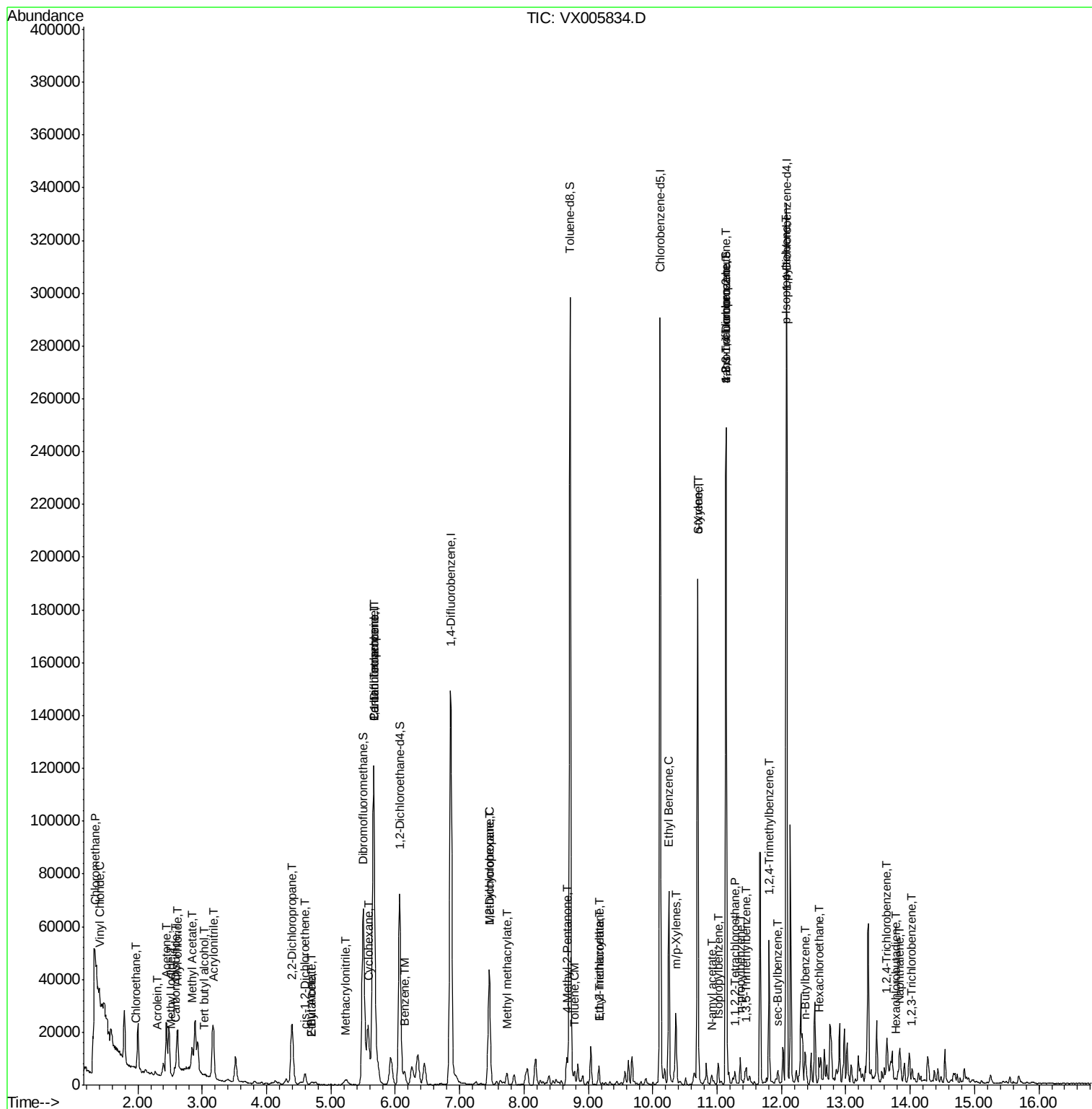
Quant Time: Nov 19 08:03:42 2018

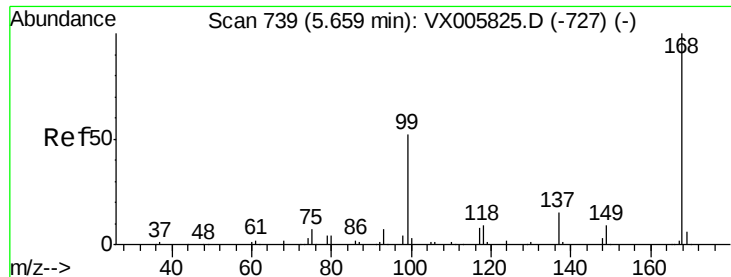
Quant Method : Z:\V0ASRV\HPCHEM1\MSV0A_X\METHOD\82X110718W.M

Quant Title : SW846 8260

QLast Update : Wed Nov 07 14:40:53 2018

Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.01 min

Lab File: VX005834.D

Acq: 07 Nov 2018 18:11

Instrument :

MSVOA_X

ClientSampleId :

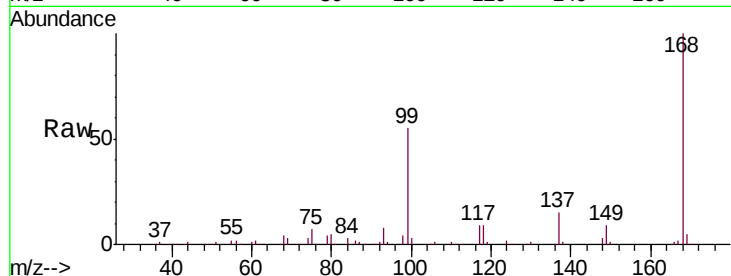
S81-0100

Tgt Ion:168 Resp: 121693

Ion Ratio Lower Upper

168 100

99 54.7 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

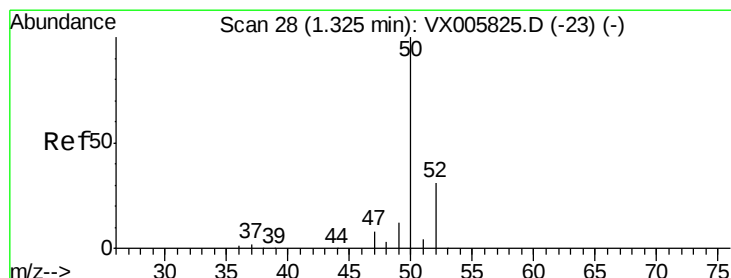
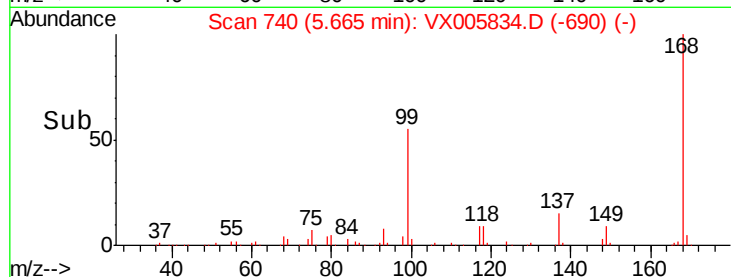
30000

20000

10000

0

Time--> 5.50 5.60 5.70 5.80 5.90



#3

Chloromethane

Concen: 2.142 ug/l

RT: 1.34 min Scan# 30

Delta R.T. 0.01 min

Lab File: VX005834.D

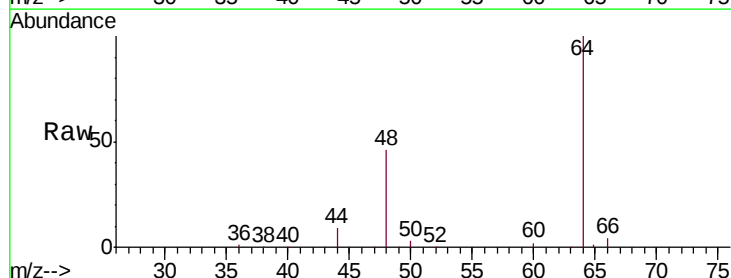
Acq: 07 Nov 2018 18:11

Tgt Ion: 50 Resp: 3085

Ion Ratio Lower Upper

50 100

52 6.5 26.2 39.2#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.34

1000

800

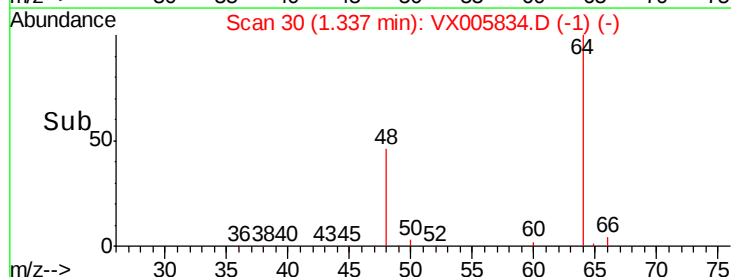
600

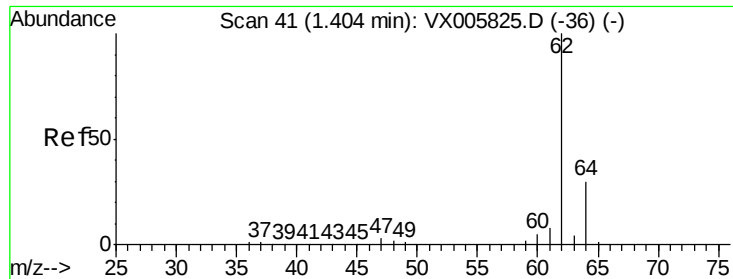
400

200

0

Time--> 1.25 1.30 1.35 1.40





#4

Vinyl Chloride

Concen: 0.744 ug/l

RT: 1.41 min Scan# 42

Delta R.T. 0.01 min

Lab File: VX005834.D

Acq: 07 Nov 2018 18:11

Instrument :

MSVOA_X

ClientSampleId :

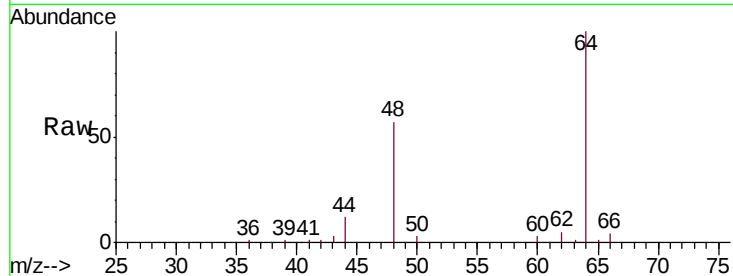
S81-0100

Tgt Ion: 62 Resp: 1076

Ion Ratio Lower Upper

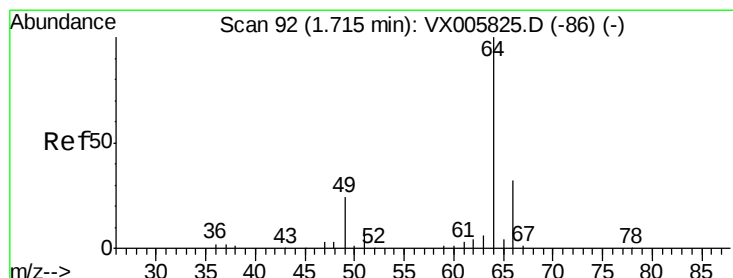
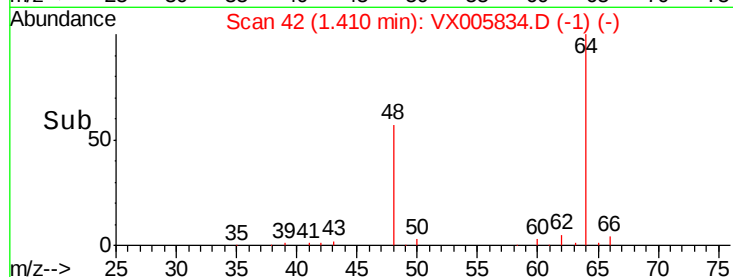
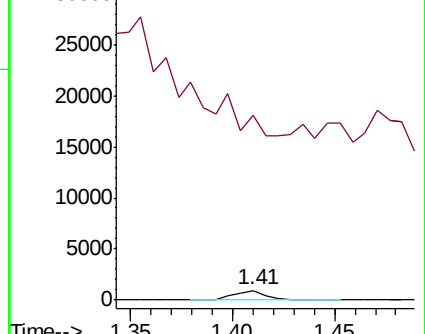
62 100

64 92.0 25.3 37.9#



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0



#6

Chloroethane

Concen: 0.590 ug/l

RT: 1.97 min Scan# 134

Delta R.T. 0.26 min

Lab File: VX005834.D

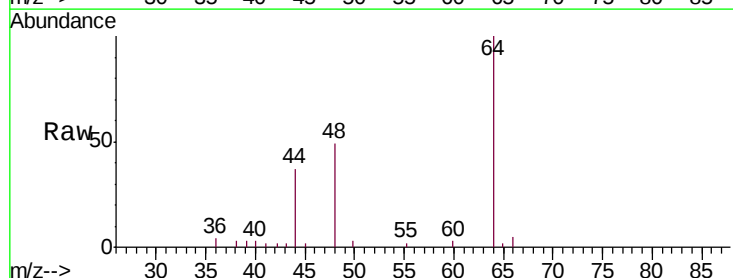
Acq: 07 Nov 2018 18:11

Tgt Ion: 64 Resp: 509

Ion Ratio Lower Upper

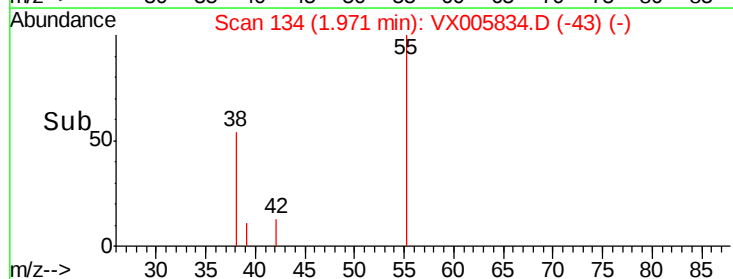
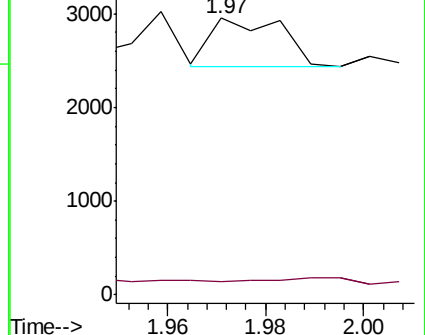
64 100

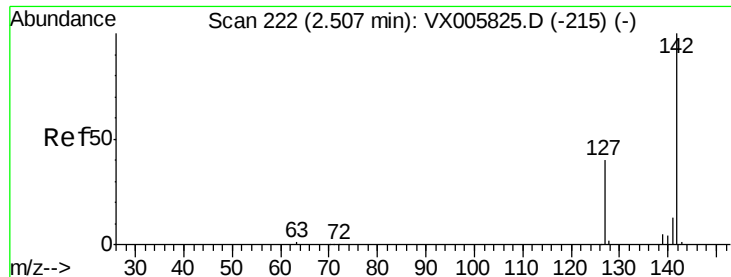
66 0.0 25.8 38.6#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

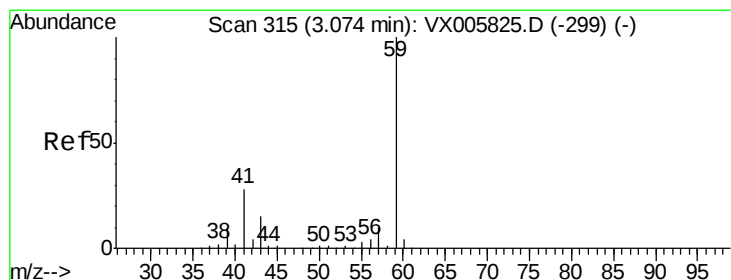
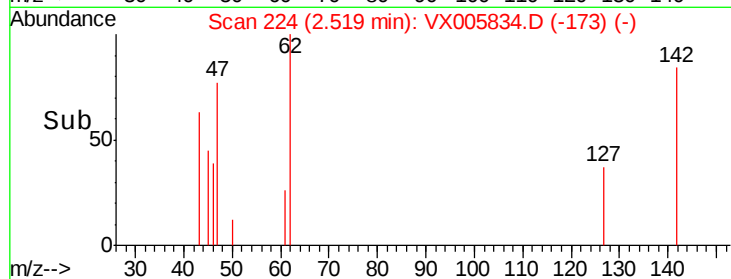
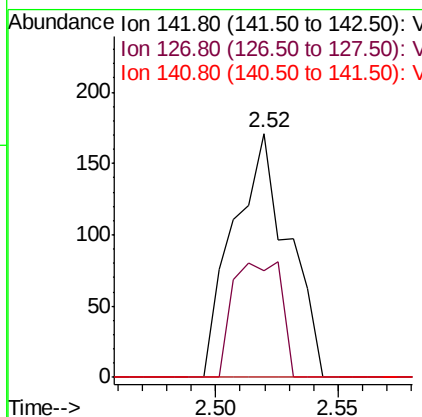
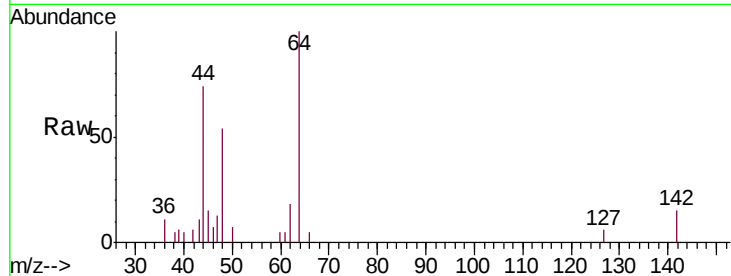




#10
Methyl Iodide
Concen: 0.200 ug/l
RT: 2.52 min Scan# 224
Delta R.T. 0.01 min
Lab File: VX005834.D
Acq: 07 Nov 2018 18:11

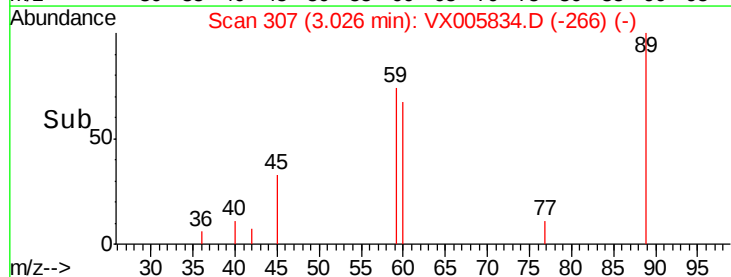
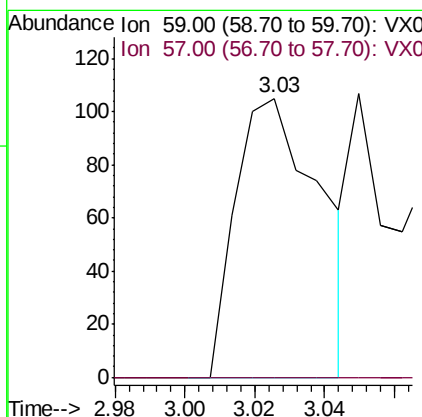
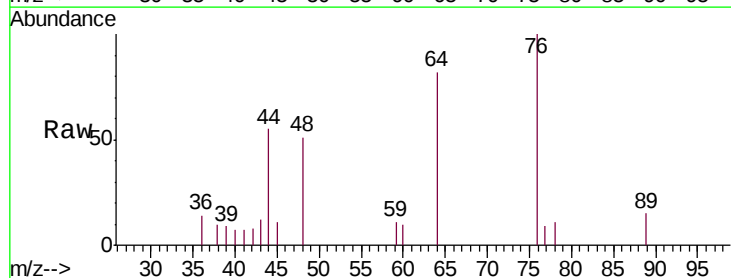
Instrument :
MSVOA_X
ClientSampled :
S81-0100

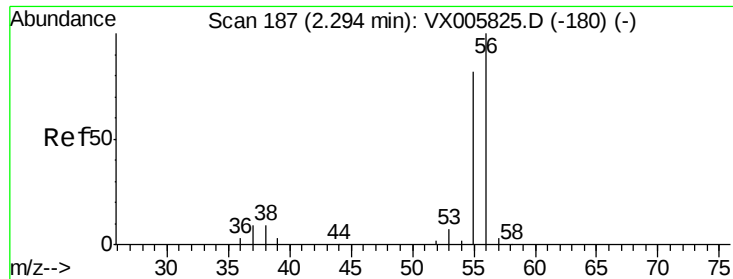
Tgt Ion: 142 Resp: 268
Ion Ratio Lower Upper
142 100
127 41.8 36.0 54.0
141 0.0 11.7 17.5#



#11
Tert butyl alcohol
Concen: 0.439 ug/l
RT: 3.03 min Scan# 307
Delta R.T. -0.05 min
Lab File: VX005834.D
Acq: 07 Nov 2018 18:11

Tgt Ion: 59 Resp: 176
Ion Ratio Lower Upper
59 100
57 0.0 8.5 12.7#





#13

Acrolein

Concen: 19.526 ug/l

RT: 2.30 min Scan# 188

Delta R.T. 0.01 min

Lab File: VX005834.D

Acq: 07 Nov 2018 18:11

Instrument :

MSVOA_X

ClientSampleId :

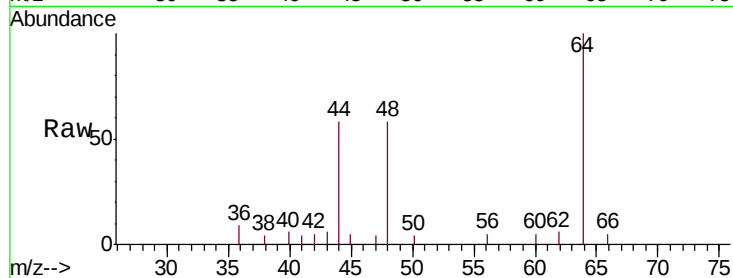
S81-0100

Tgt Ion: 56 Resp: 75

Ion Ratio Lower Upper

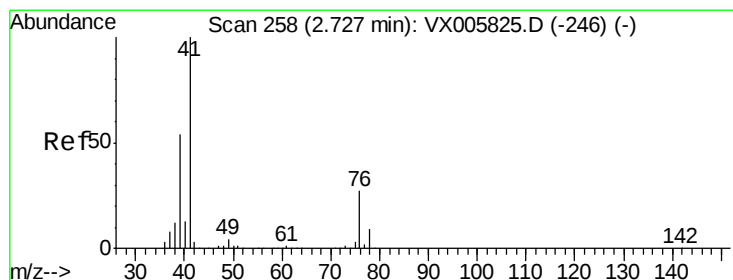
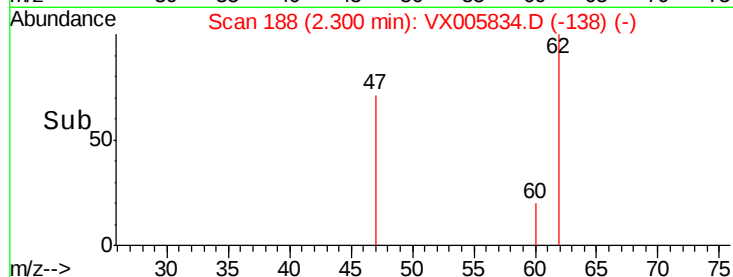
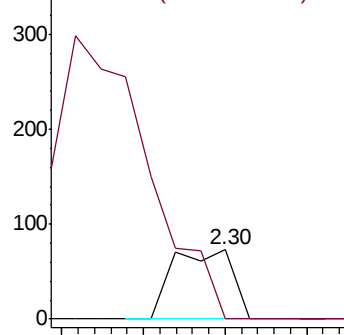
56 100

55 0.0 57.3 85.9#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#14

Allyl chloride

Concen: 0.748 ug/l

RT: 2.61 min Scan# 239

Delta R.T. -0.12 min

Lab File: VX005834.D

Acq: 07 Nov 2018 18:11

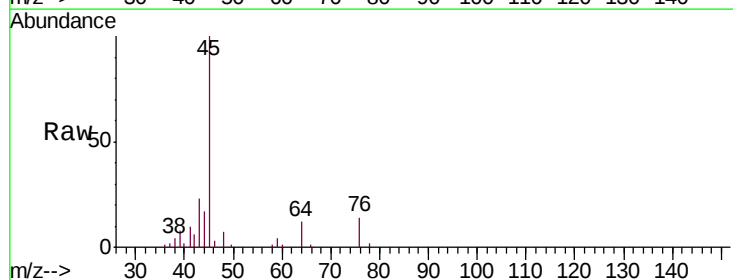
Tgt Ion: 41 Resp: 1798

Ion Ratio Lower Upper

41 100

39 100.9 48.2 72.4#

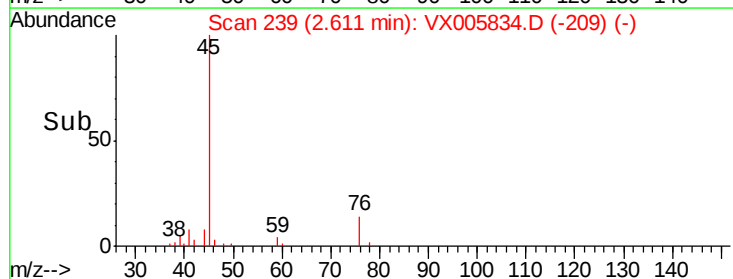
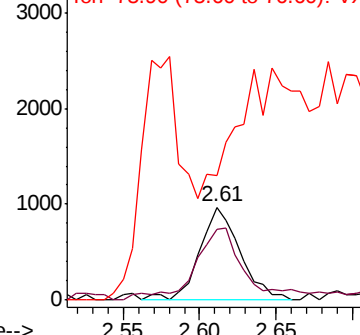
76 0.0 21.9 32.9#

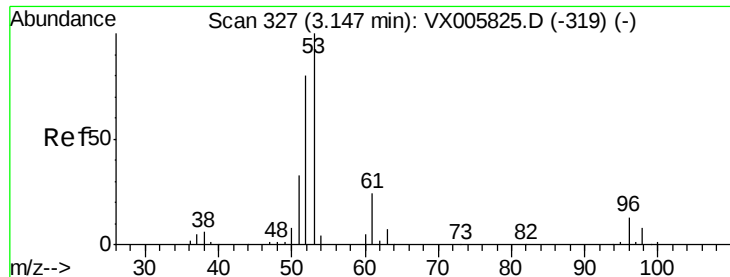


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 75.90 (75.60 to 76.60): VX0





#15

Acrylonitrile

Concen: 0.839 ug/l

RT: 3.18 min Scan# 332

Delta R.T. 0.03 min

Lab File: VX005834.D

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Instrument :

MSVOA_X

ClientSampleId :

S81-0100

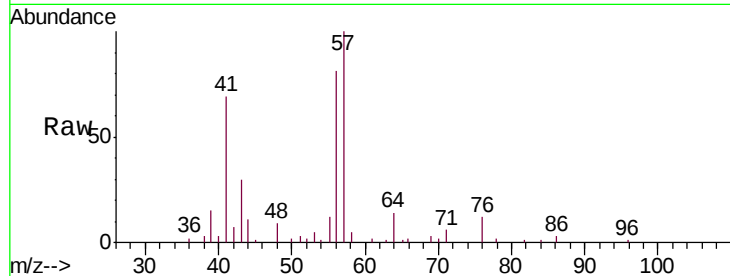
Tgt Ion: 53 Resp: 697

Ion Ratio Lower Upper

53 100

52 0.0 66.6 99.8#

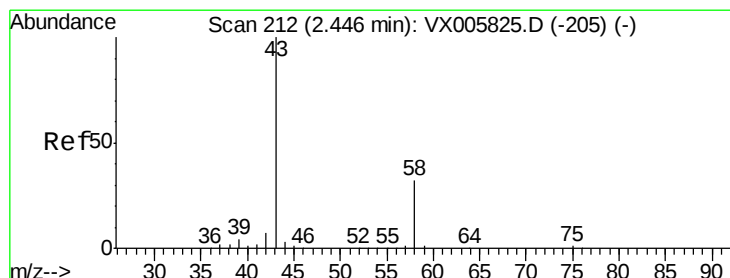
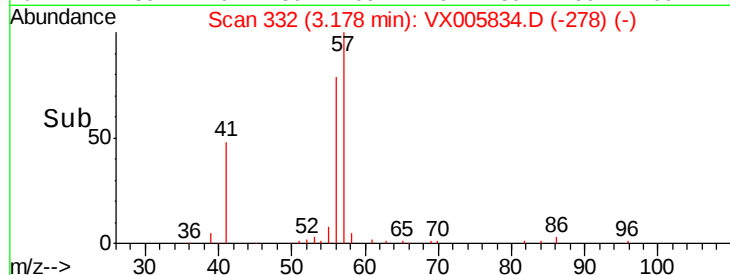
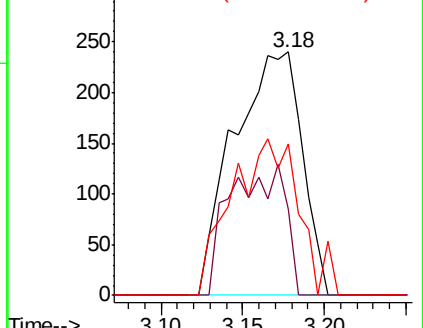
51 63.6 28.4 42.6#



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



#16

Acetone

Concen: 28.456 ug/l

RT: 2.45 min Scan# 212

Delta R.T. -0.00 min

Lab File: VX005834.D

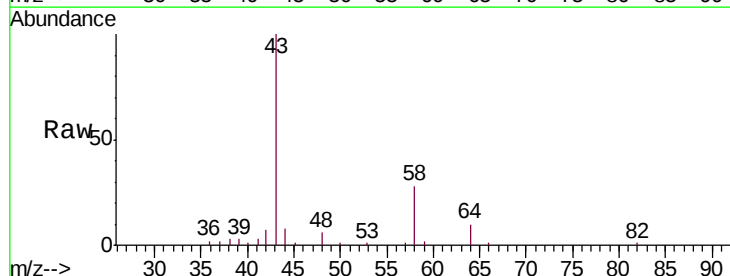
Acq: 07 Nov 2018 18:11

Tgt Ion: 43 Resp: 21435

Ion Ratio Lower Upper

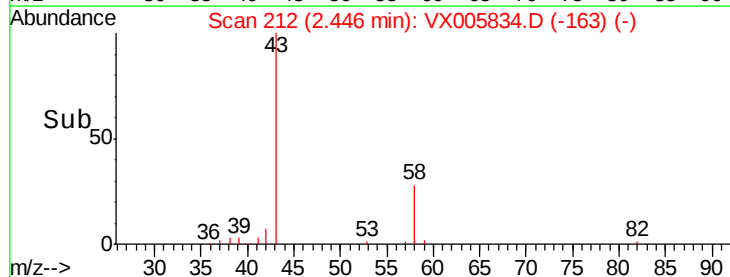
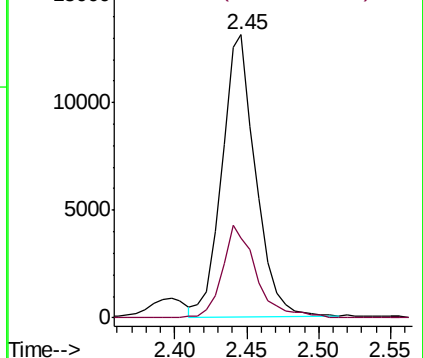
43 100

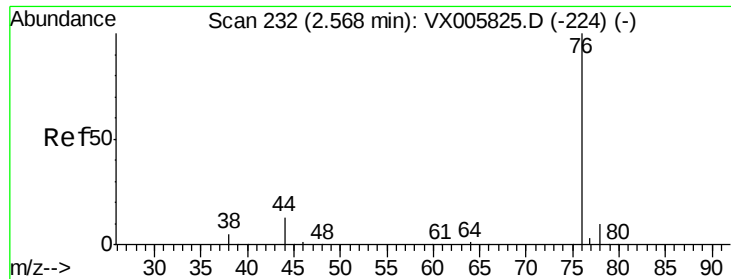
58 28.4 23.8 35.6



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

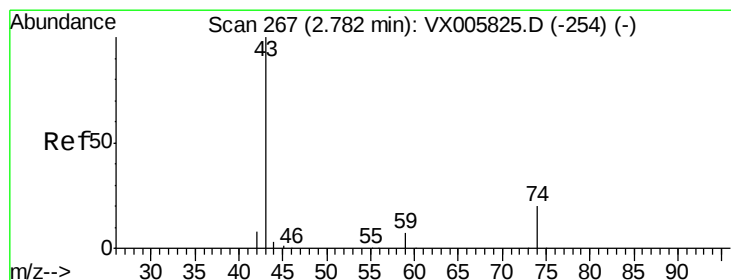
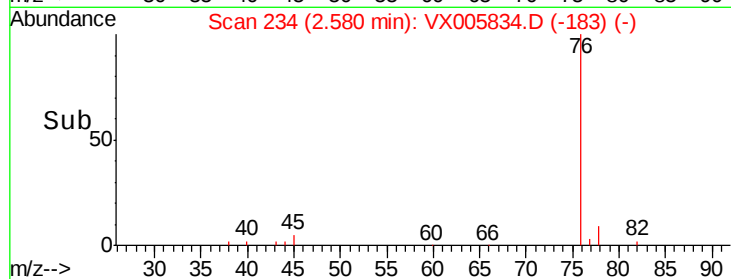
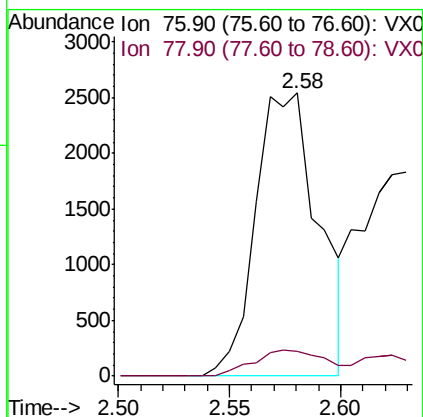
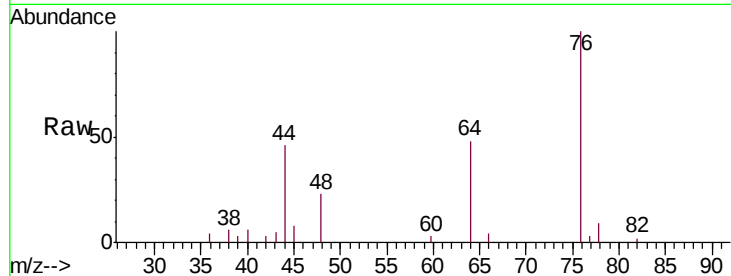




#17
Carbon Disulfide
Concen: 1.557 ug/l
RT: 2.58 min Scan# 234
Delta R.T. 0.01 min
Lab File: VX005834.D
Acq: 07 Nov 2018 18:11

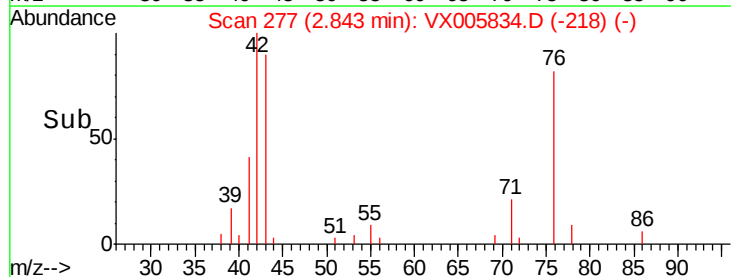
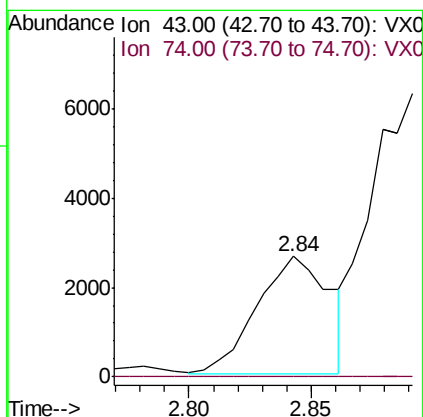
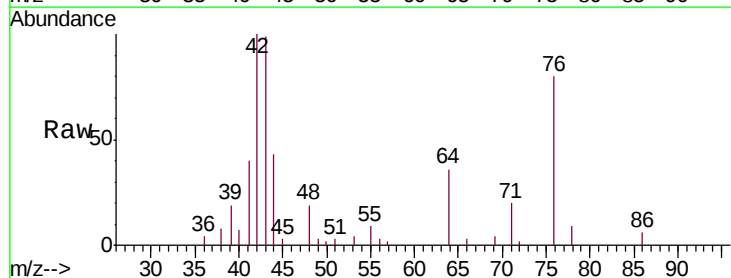
Instrument :
MSVOA_X
ClientSampled :
S81-0100

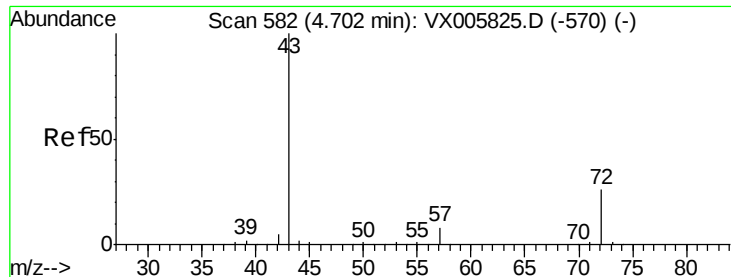
Tgt Ion: 76 Resp: 4996
Ion Ratio Lower Upper
76 100
78 9.0 7.3 10.9



#18
Methyl Acetate
Concen: 1.259 ug/l
RT: 2.84 min Scan# 277
Delta R.T. 0.06 min
Lab File: VX005834.D
Acq: 07 Nov 2018 18:11

Tgt Ion: 43 Resp: 5461
Ion Ratio Lower Upper
43 100
74 0.0 16.8 25.2#





#25

2-Butanone

Concen: 1.891 ug/l

RT: 4.70 min Scan# 581

Delta R.T. -0.01 min

Lab File: VX005834.D

Acq: 07 Nov 2018 18:11

Instrument :

MSVOA_X

ClientSampleId :

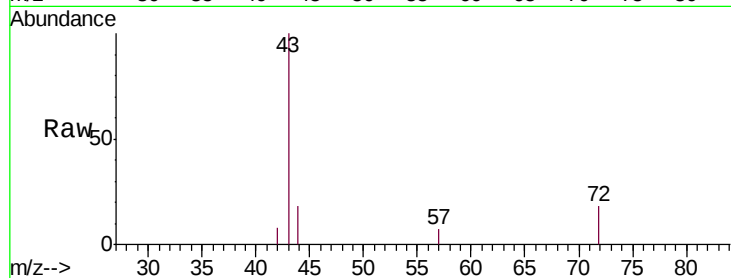
S81-0100

Tgt Ion: 43 Resp: 2239

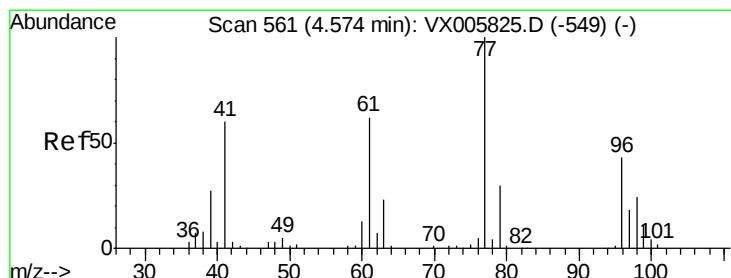
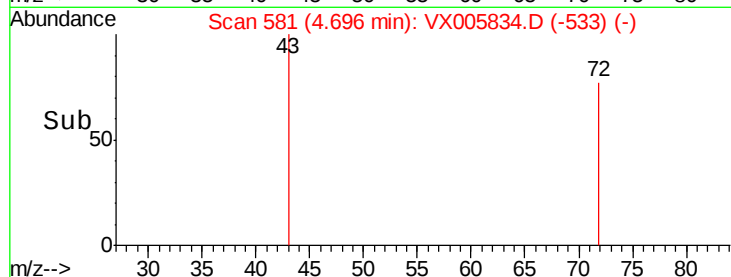
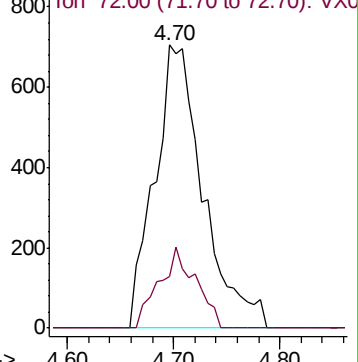
Ion Ratio Lower Upper

43 100

72 18.4 19.2 28.8#



Abundance Ion 43.00 (42.70 to 43.70): VX0



#26

2,2-Dichloropropane

Concen: 0.230 ug/l

RT: 4.40 min Scan# 533

Delta R.T. -0.17 min

Lab File: VX005834.D

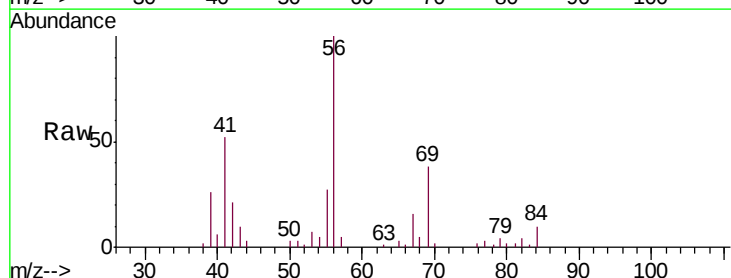
Acq: 07 Nov 2018 18:11

Tgt Ion: 77 Resp: 378

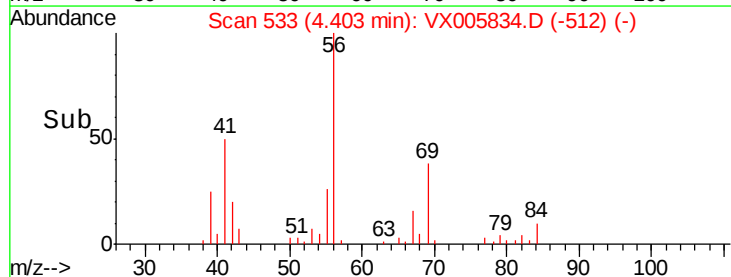
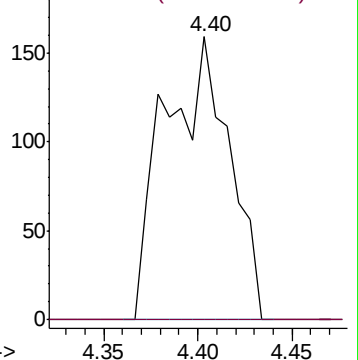
Ion Ratio Lower Upper

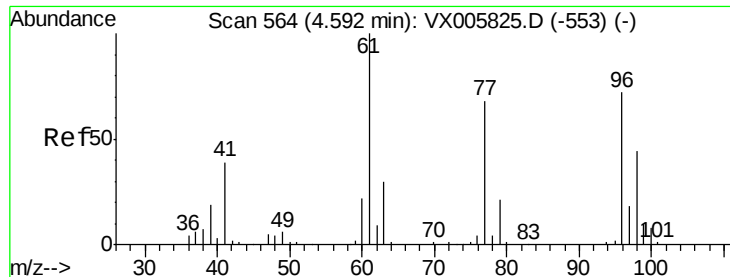
77 100

97 0.0 11.5 34.5#



Abundance Ion 76.90 (76.60 to 77.60): VX0



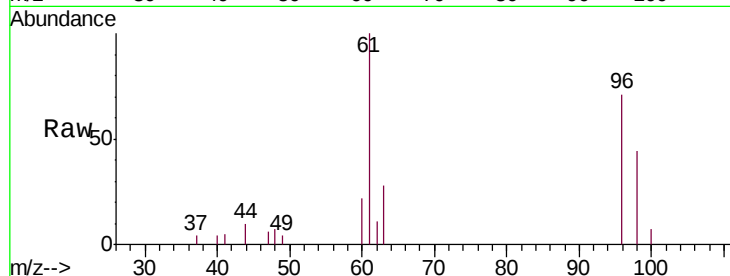


#27

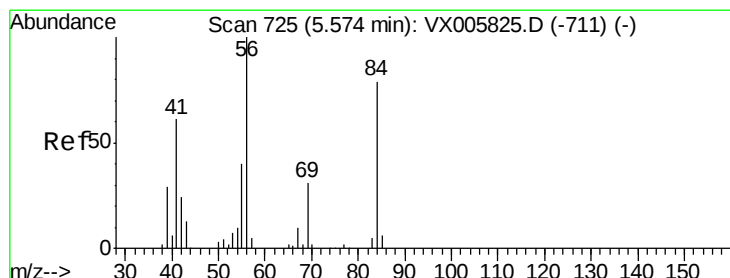
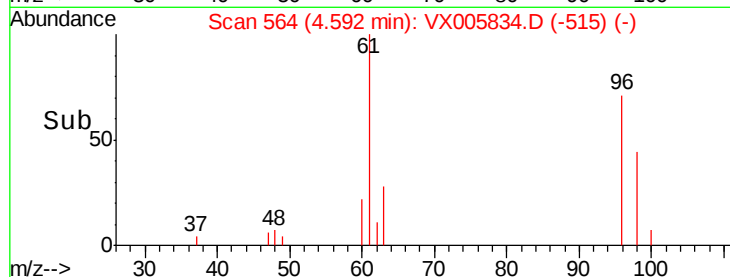
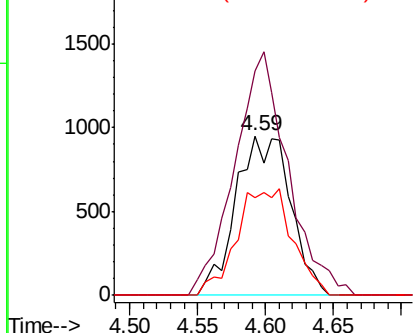
cis-1,2-Dichloroethene
 Concen: 2.133 ug/l
 RT: 4.59 min Scan# 564
 Delta R.T. -0.00 min
 Lab File: VX005834.D
 Acq: 07 Nov 2018 18:11

Instrument :
 MSVOA_X
 ClientSampleId :
 S81-0100

Tgt Ion: 96 Resp: 2672
 Ion Ratio Lower Upper
 96 100
 61 148.9 0.0 304.6
 98 68.1 0.0 127.4



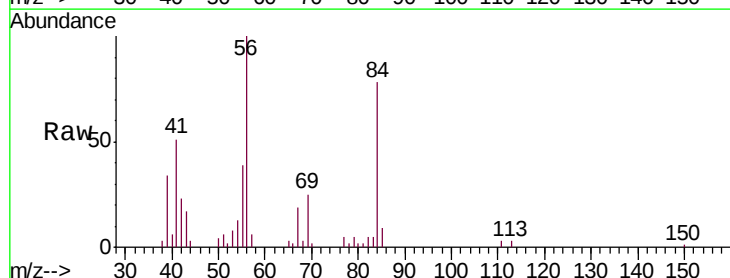
Abundance Ion 95.90 (95.60 to 96.60): VX0
 Ion 60.90 (60.60 to 61.60): VX0
 Ion 97.90 (97.60 to 98.60): VX0



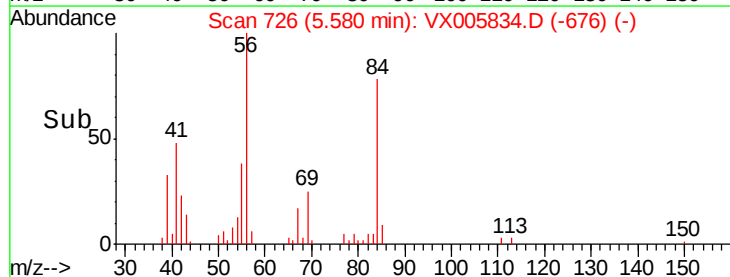
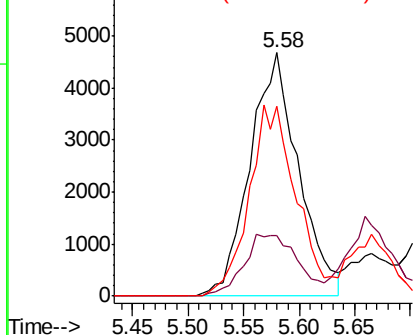
#31

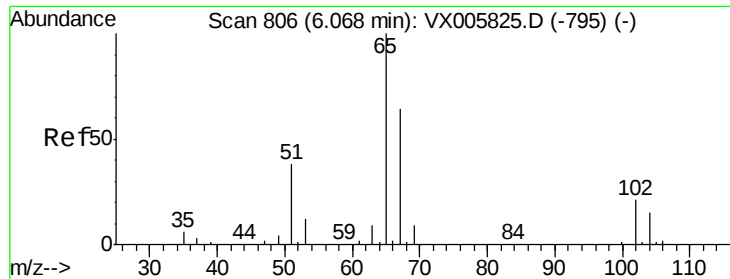
Cyclohexane
 Concen: 7.271 ug/l
 RT: 5.58 min Scan# 726
 Delta R.T. 0.01 min
 Lab File: VX005834.D
 Acq: 07 Nov 2018 18:11

Tgt Ion: 56 Resp: 14170
 Ion Ratio Lower Upper
 56 100
 69 24.9 22.6 34.0
 84 77.9 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

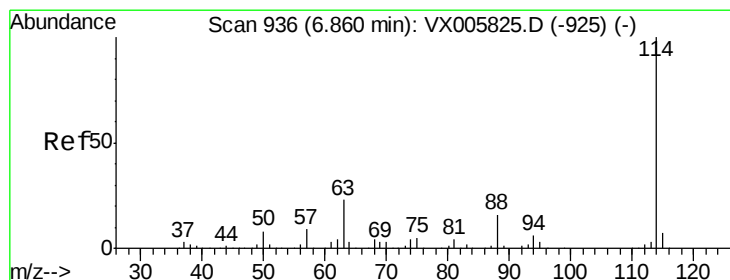
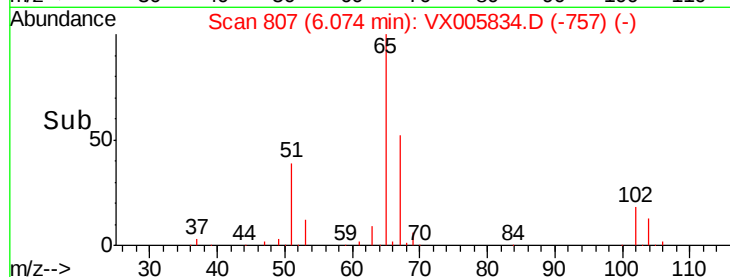
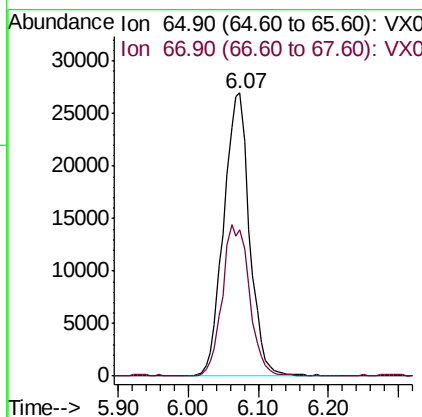
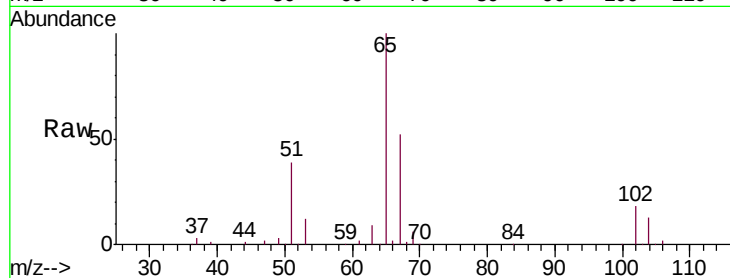




#33
 1,2-Dichloroethane-d4
 Concen: 49.530 ug/l
 RT: 6.07 min Scan# 807
 Delta R.T. 0.01 min
 Lab File: VX005834.D
 Acq: 07 Nov 2018 18:11

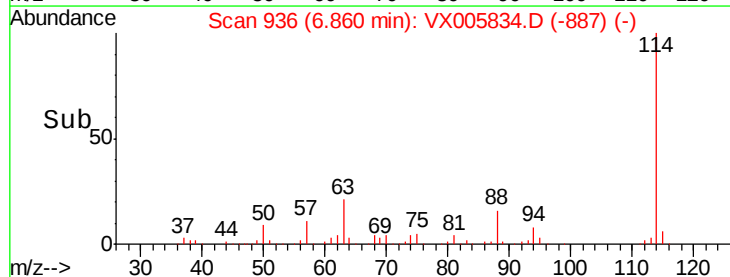
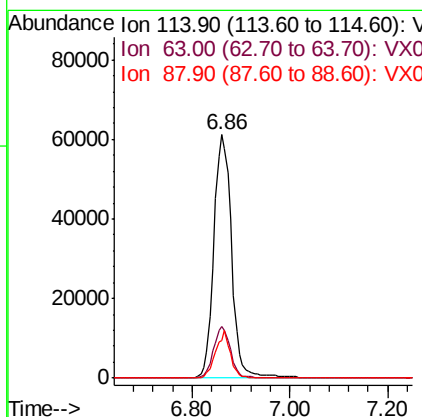
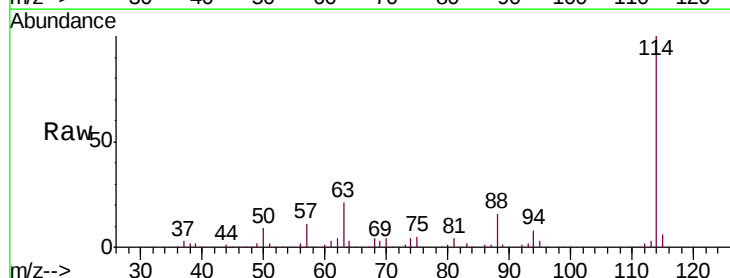
Instrument :
 MSVOA_X
 ClientSampleId :
 S81-0100

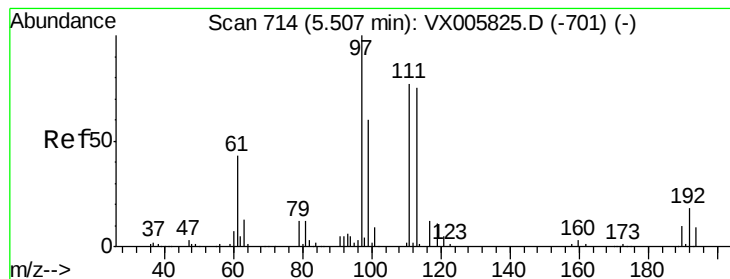
Tgt Ion: 65 Resp: 69294
 Ion Ratio Lower Upper
 65 100
 67 56.0 0.0 105.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: VX005834.D
 Acq: 07 Nov 2018 18:11

Tgt Ion: 114 Resp: 154661
 Ion Ratio Lower Upper
 114 100
 63 21.4 0.0 42.8
 88 15.6 0.0 31.2





#35

Dibromofluoromethane

Concen: 54.818 ug/l

RT: 5.50 min Scan# 713

Delta R.T. -0.01 min

Lab File: VX005834.D

Acq: 07 Nov 2018 18:11

Instrument :

MSVOA_X

ClientSampleId :

S81-0100

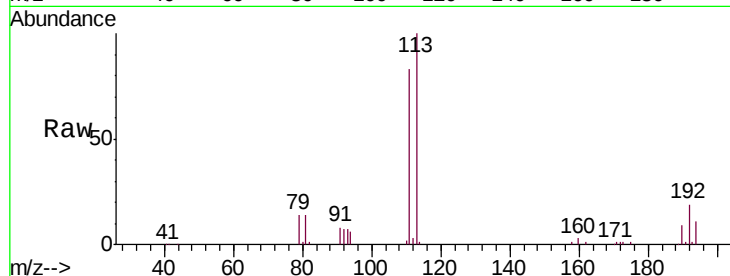
Tgt Ion:113 Resp: 57665

Ion Ratio Lower Upper

113 100

111 99.7 82.3 123.5

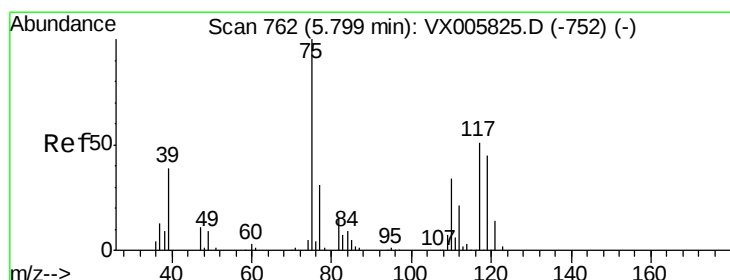
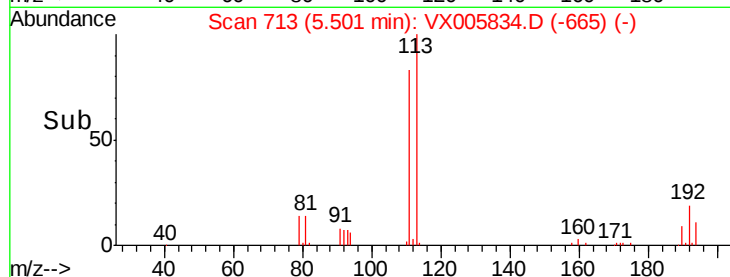
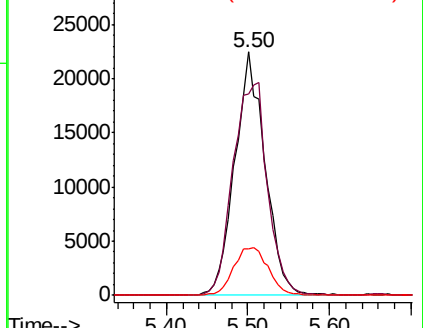
192 22.5 17.9 26.9



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 5.415 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.13 min

Lab File: VX005834.D

Acq: 07 Nov 2018 18:11

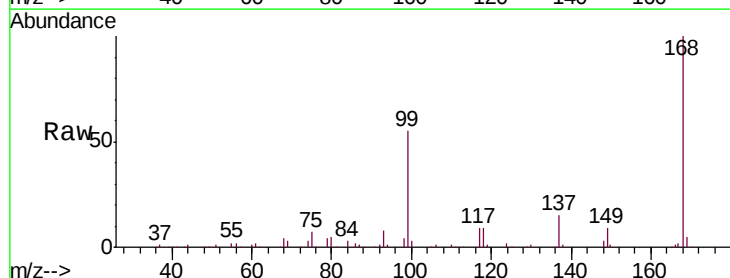
Tgt Ion: 75 Resp: 8073

Ion Ratio Lower Upper

75 100

110 9.5 17.4 52.2#

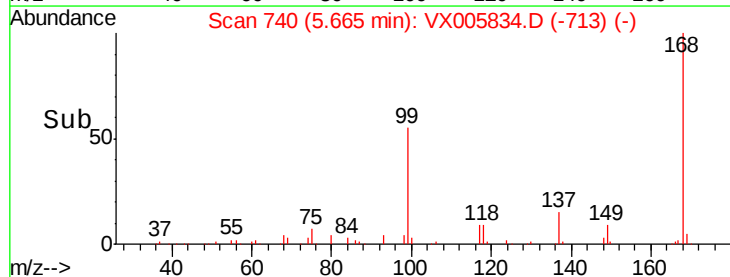
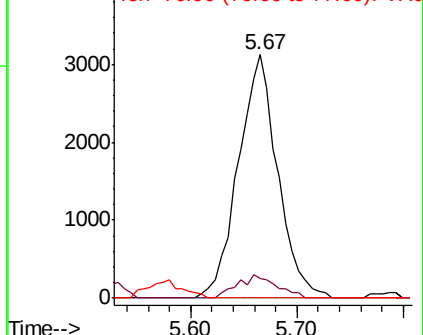
77 0.0 25.8 38.6#

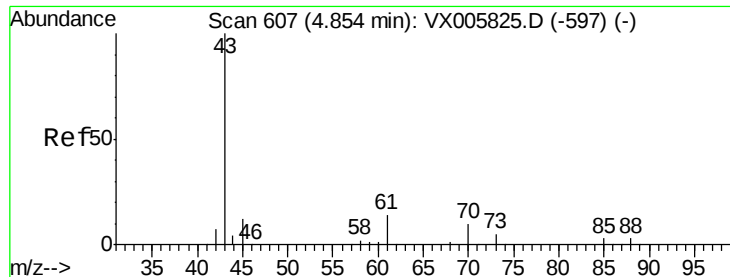


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0

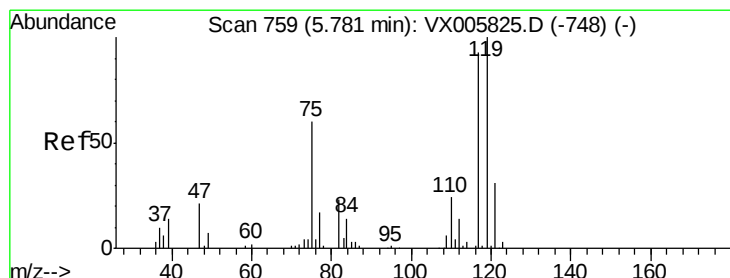
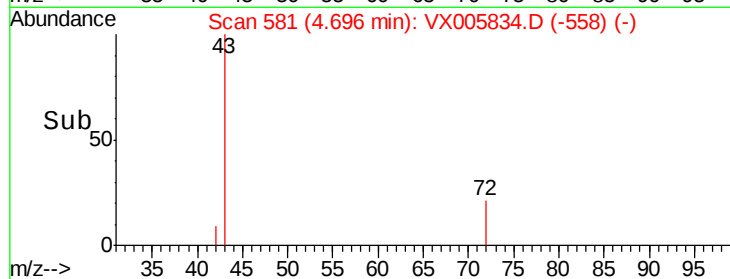
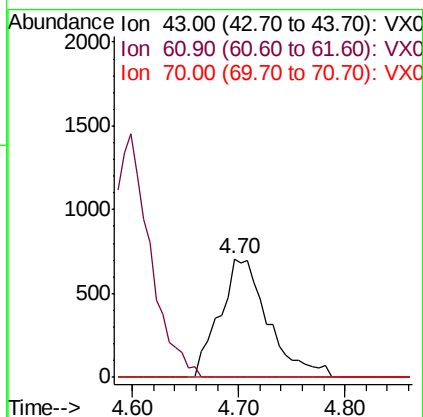
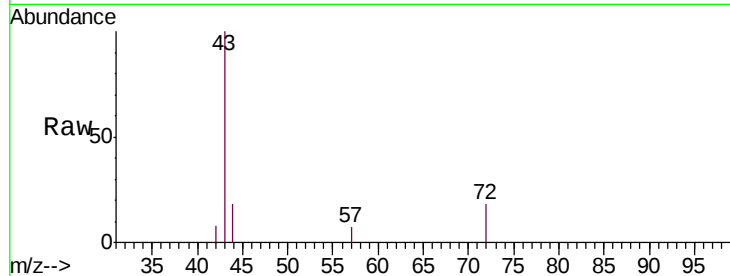




#37
Ethyl Acetate
Concen: 1.142 ug/l
RT: 4.70 min Scan# 581
Delta R.T. -0.16 min
Lab File: VX005834.D
Acq: 07 Nov 2018 18:11

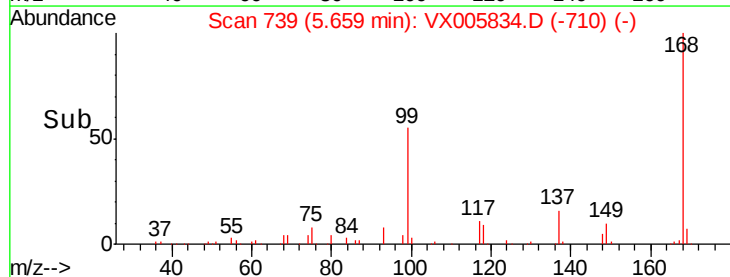
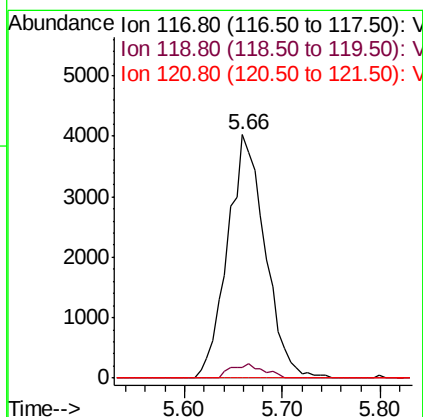
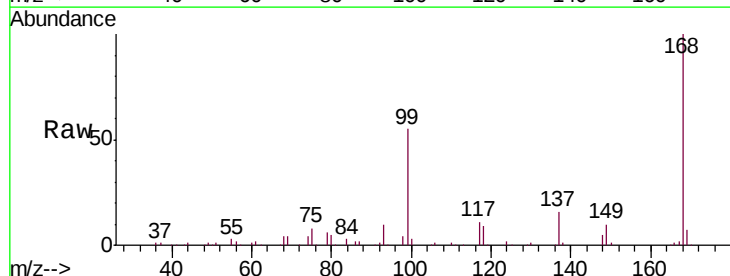
Instrument :
MSVOA_X
ClientSampleId :
S81-0100

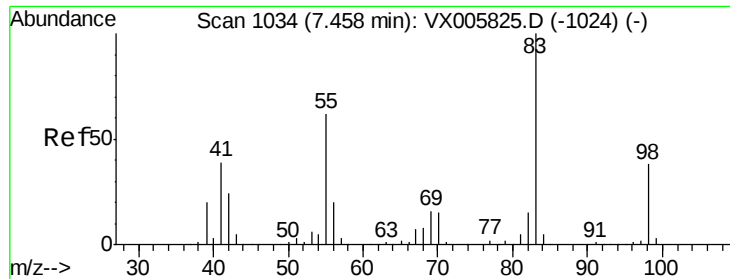
Tgt Ion: 43 Resp: 2239
Ion Ratio Lower Upper
43 100
61 0.0 10.8 16.2#
70 0.0 7.8 11.8#



#38
Carbon Tetrachloride
Concen: 7.172 ug/l
RT: 5.66 min Scan# 739
Delta R.T. -0.12 min
Lab File: VX005834.D
Acq: 07 Nov 2018 18:11

Tgt Ion: 117 Resp: 10705
Ion Ratio Lower Upper
117 100
119 4.6 78.1 117.1#
121 0.0 24.6 36.8#

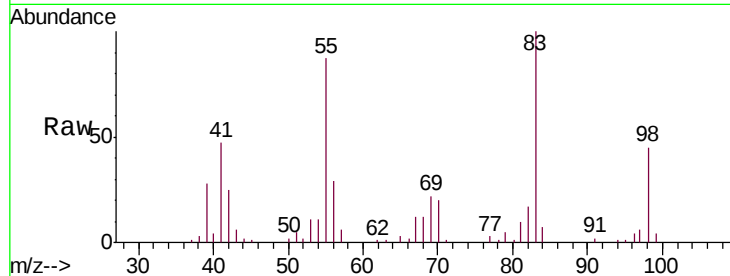




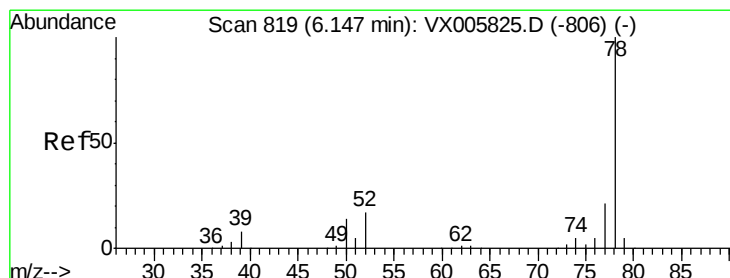
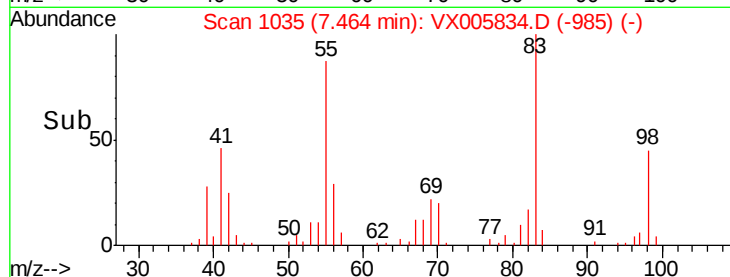
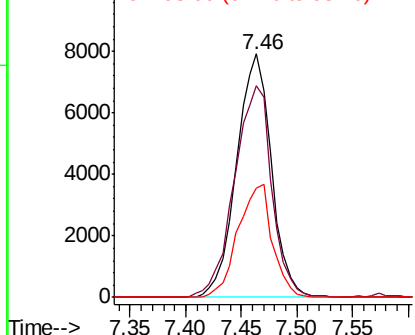
#39
Methylcyclohexane
Concen: 11.370 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. 0.01 min
Lab File: VX005834.D
Acq: 07 Nov 2018 18:11

Instrument :
MSVOA_X
ClientSampled :
S81-0100

Tgt Ion: 83 Resp: 17181
Ion Ratio Lower Upper
83 100
55 86.9 63.7 95.5
98 44.9 36.2 54.2

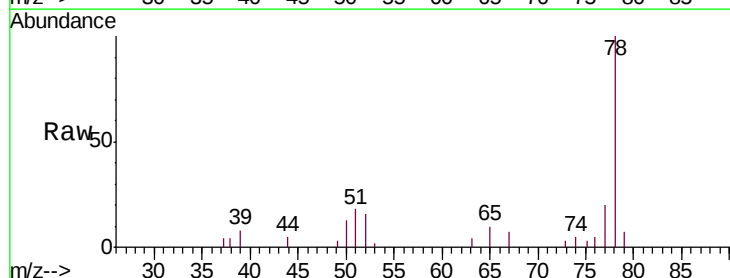


Abundance Ion 83.00 (82.70 to 83.70): VX0
Ion 55.00 (54.70 to 55.70): VX0
Ion 98.00 (97.70 to 98.70): VX0

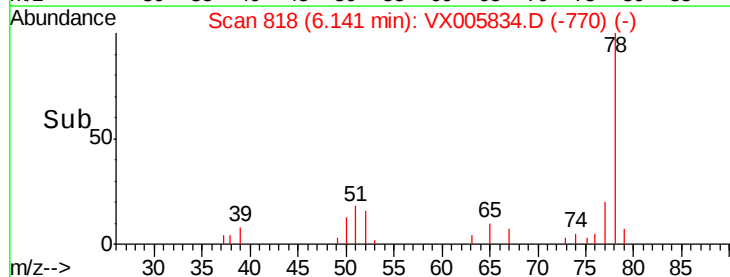
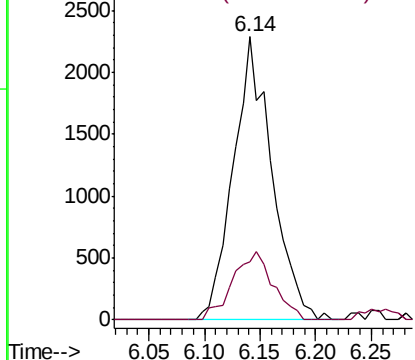


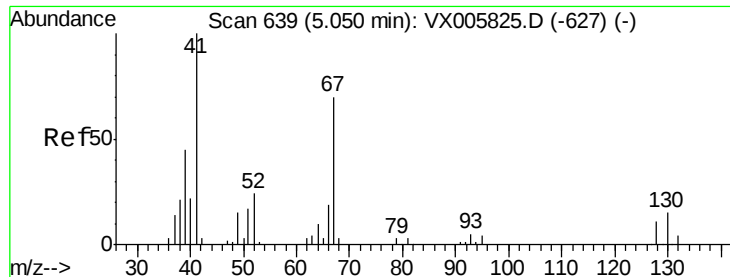
#40
Benzene
Concen: 1.266 ug/l
RT: 6.14 min Scan# 818
Delta R.T. -0.01 min
Lab File: VX005834.D
Acq: 07 Nov 2018 18:11

Tgt Ion: 78 Resp: 5502
Ion Ratio Lower Upper
78 100
77 20.5 18.4 27.6



Abundance Ion 78.00 (77.70 to 78.70): VX0
Ion 77.00 (76.70 to 77.70): VX0

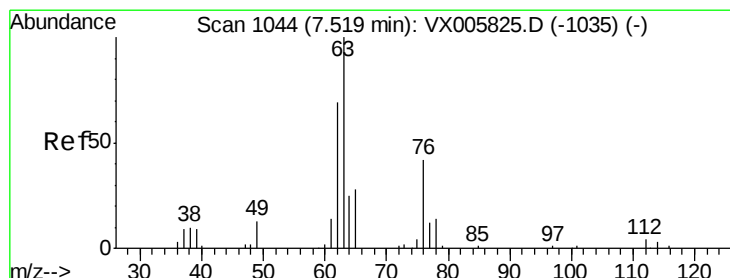
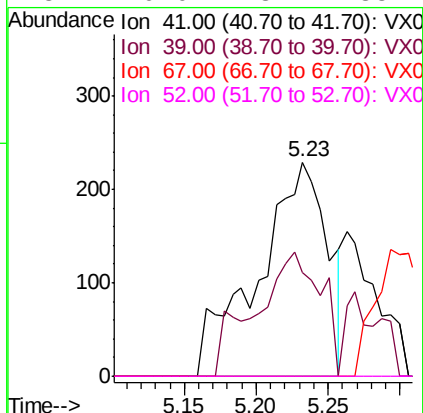
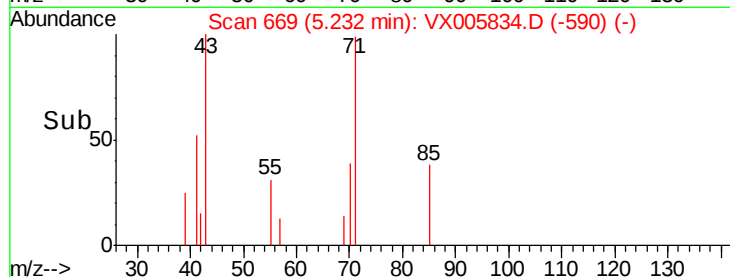
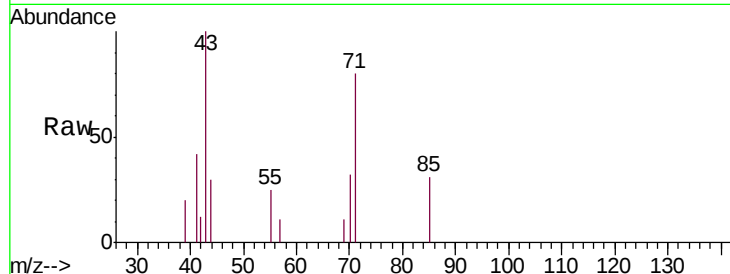




#41
Methacrylonitrile
Concen: 0.729 ug/l
RT: 5.23 min Scan# 669
Delta R.T. 0.18 min
Lab File: VX005834.D
Acq: 07 Nov 2018 18:11

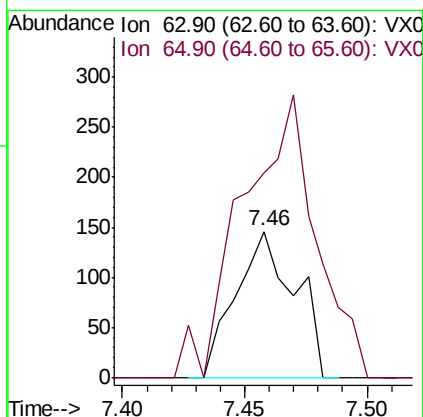
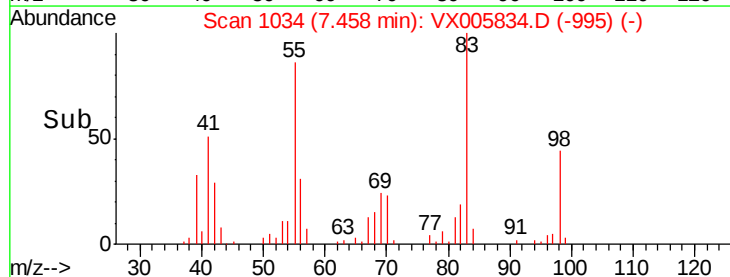
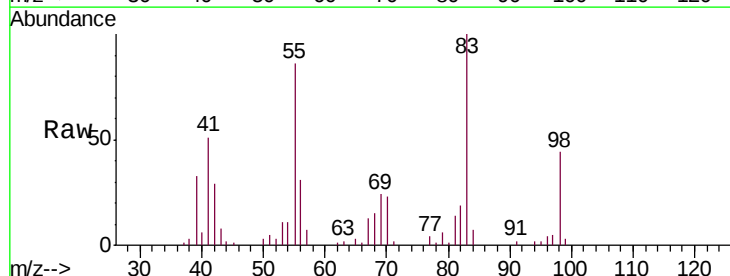
Instrument :
MSVOA_X
ClientSampleId :
S81-0100

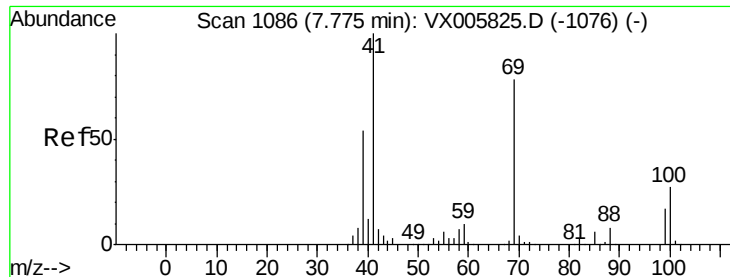
Tgt Ion:	41	Resp:	772
Ion	Ratio	Lower	Upper
41	100		
39	42.9	42.2	63.2
67	0.0	53.4	80.0#
52	0.0	23.4	35.2#



#45
1,2-Dichloropropane
Concen: 0.232 ug/l
RT: 7.46 min Scan# 1034
Delta R.T. -0.06 min
Lab File: VX005834.D
Acq: 07 Nov 2018 18:11

Tgt Ion:	63	Resp:	245
Ion	Ratio	Lower	Upper
63	100		
65	104.8	24.8	37.2#

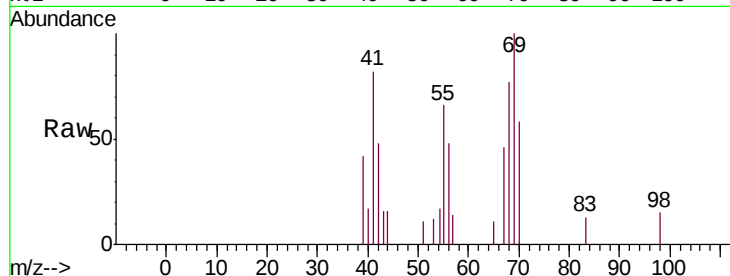




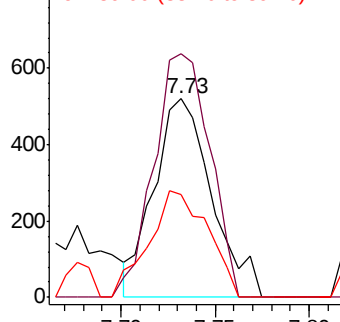
#48
Methyl methacrylate
Concen: 0.871 ug/l
RT: 7.73 min Scan# 1079
Delta R.T. -0.04 min
Lab File: VX005834.D
Acq: 07 Nov 2018 18:11

Instrument :
MSVOA_X
ClientSampleId :
S81-0100

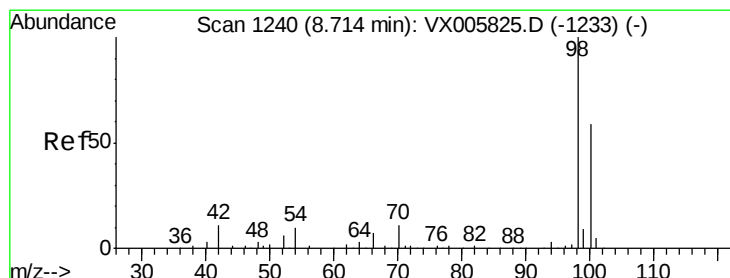
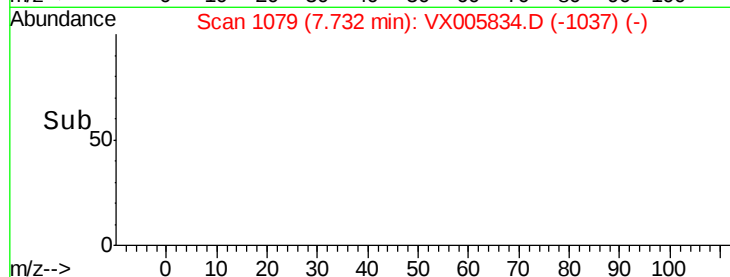
Tgt Ion: 41 Resp: 1111
Ion Ratio Lower Upper
41 100
69 118.6 63.2 94.8#
39 54.5 42.2 63.2



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

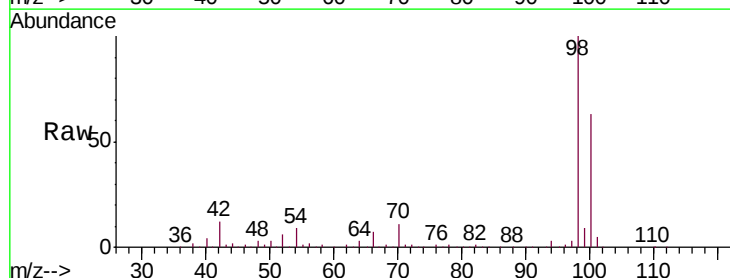


Time-->

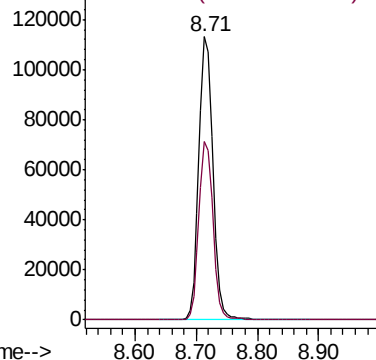


#50
Toluene-d8
Concen: 52.234 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX005834.D
Acq: 07 Nov 2018 18:11

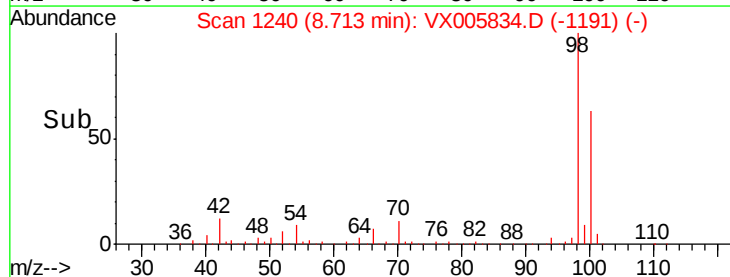
Tgt Ion: 98 Resp: 182672
Ion Ratio Lower Upper
98 100
100 63.4 51.3 76.9

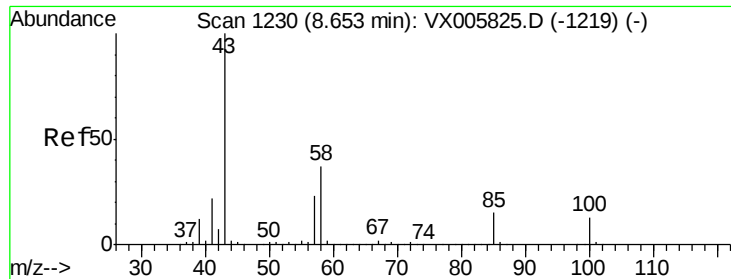


Abundance Ion 98.00 (97.70 to 98.70): VX0
Ion 100.00 (99.70 to 100.70): V



Time-->





#51

4-Methyl-2-Pentanone

Concen: 0.390 ug/l

RT: 8.66 min Scan# 1231

Delta R.T. 0.01 min

Lab File: VX005834.D

Acq: 07 Nov 2018 18:11

Instrument :

MSVOA_X

ClientSampleId :

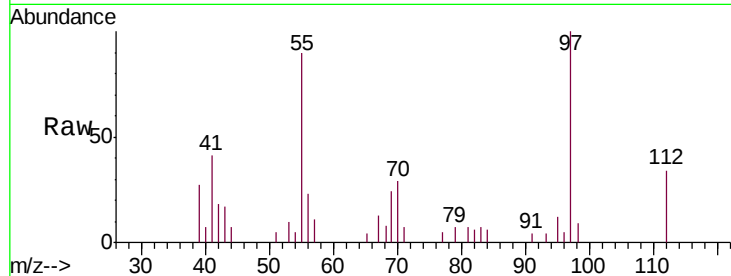
S81-0100

Tgt Ion: 43 Resp: 699

Ion Ratio Lower Upper

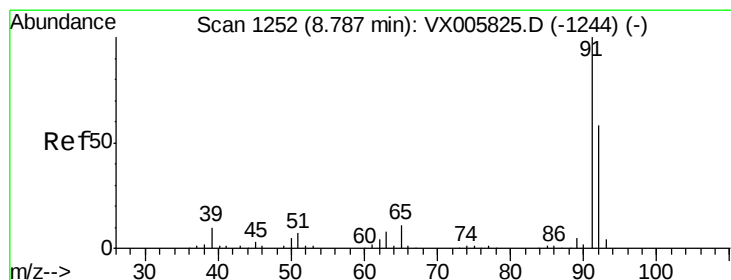
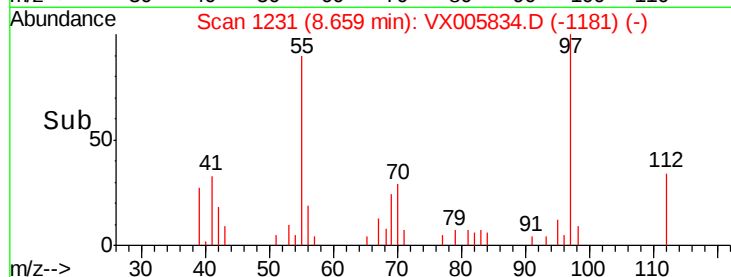
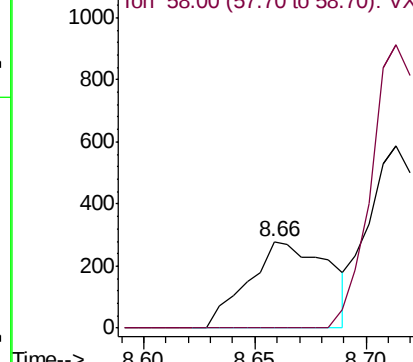
43 100

58 0.0 29.7 44.5#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#52

Toluene

Concen: 0.541 ug/l

RT: 8.78 min Scan# 1251

Delta R.T. -0.01 min

Lab File: VX005834.D

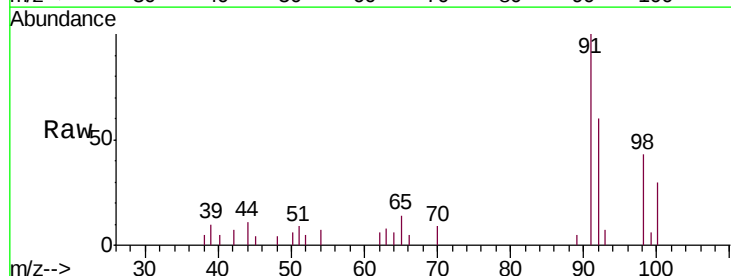
Acq: 07 Nov 2018 18:11

Tgt Ion: 92 Resp: 1315

Ion Ratio Lower Upper

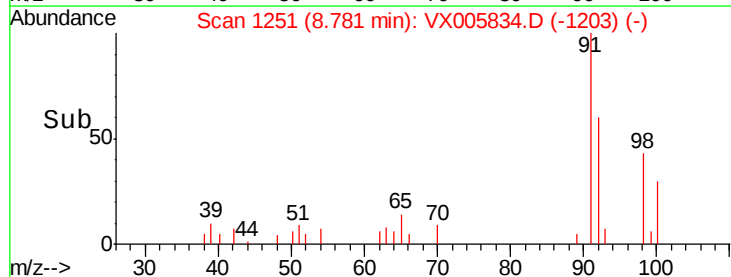
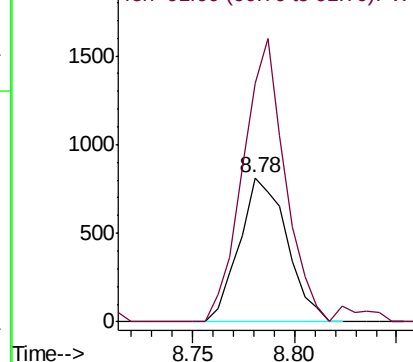
92 100

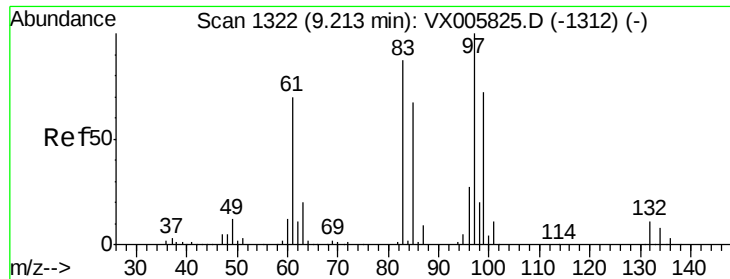
91 174.1 140.4 210.6



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0

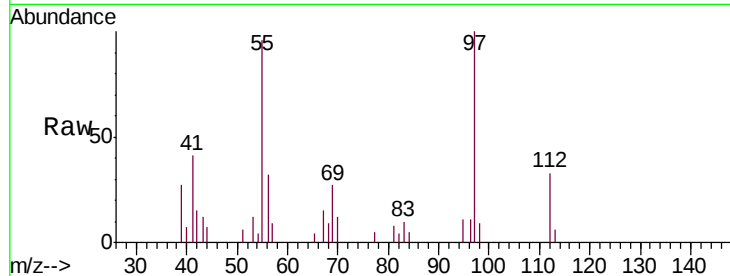




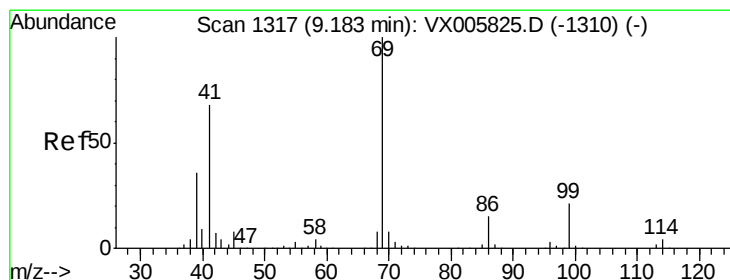
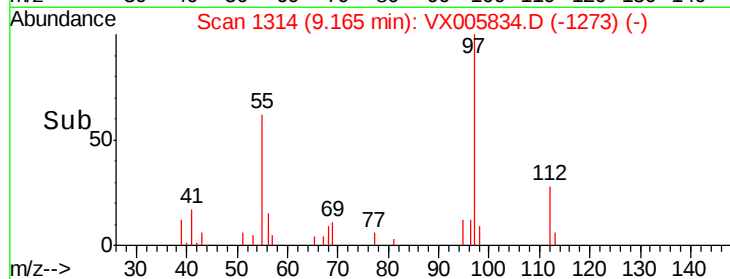
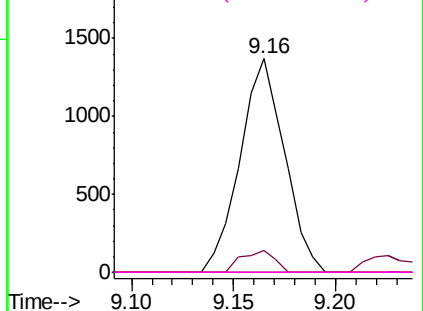
#55
 1,1,2-Trichloroethane
 Concen: 1.918 ug/l
 RT: 9.16 min Scan# 1314
 Delta R.T. -0.05 min
 Lab File: VX005834.D
 Acq: 07 Nov 2018 18:11

Instrument :
 MSVOA_X
 ClientSampleId :
 S81-0100

Tgt Ion: 97 Resp: 2077
 Ion Ratio Lower Upper
 97 100
 83 10.4 70.7 106.1#
 85 0.0 45.8 68.6#
 99 0.0 51.8 77.8#

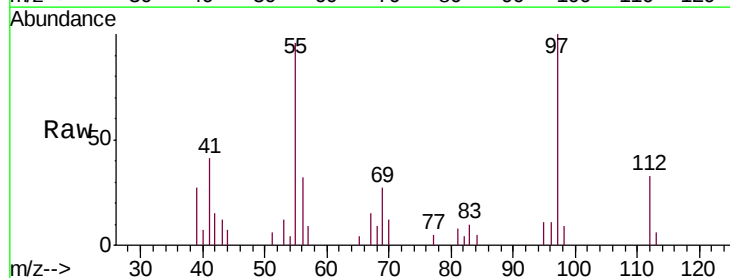


Abundance Ion 96.90 (96.60 to 97.60): VX0
 Ion 82.90 (82.60 to 83.60): VX0
 Ion 84.90 (84.60 to 85.60): VX0
 Ion 98.90 (98.60 to 99.60): VX0

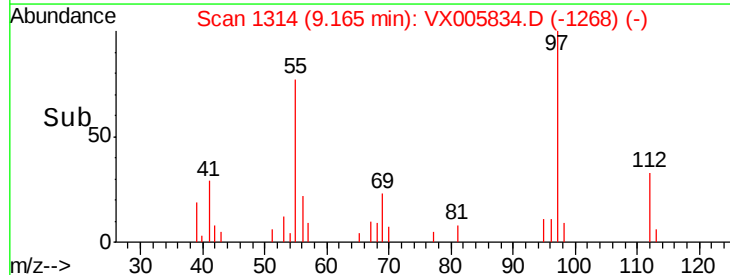
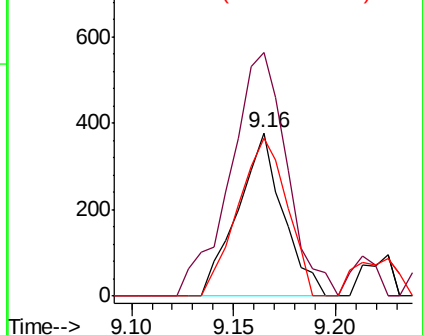


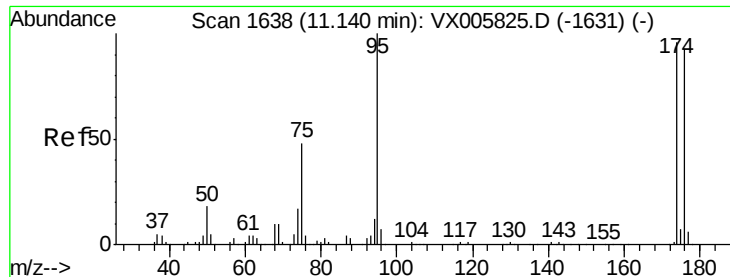
#56
 Ethyl methacrylate
 Concen: 0.361 ug/l
 RT: 9.16 min Scan# 1314
 Delta R.T. -0.02 min
 Lab File: VX005834.D
 Acq: 07 Nov 2018 18:11

Tgt Ion: 69 Resp: 584
 Ion Ratio Lower Upper
 69 100
 41 184.9 57.0 85.6#
 39 105.3 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





#62

4-Bromofluorobenzene

Concen: 50.839 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. -0.00 min

Lab File: VX005834.D

Acq: 07 Nov 2018 18:11

Instrument :

MSVOA_X

ClientSampleId :

S81-0100

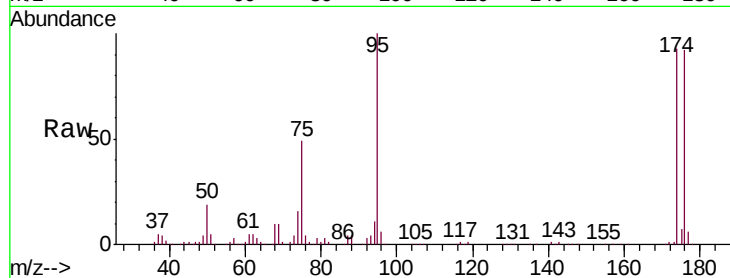
Tgt Ion: 95 Resp: 63924

Ion Ratio Lower Upper

95 100

174 90.5 0.0 184.4

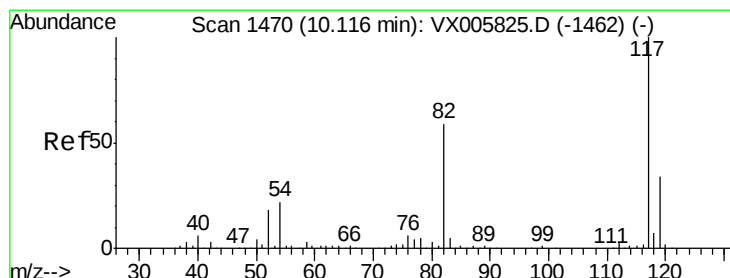
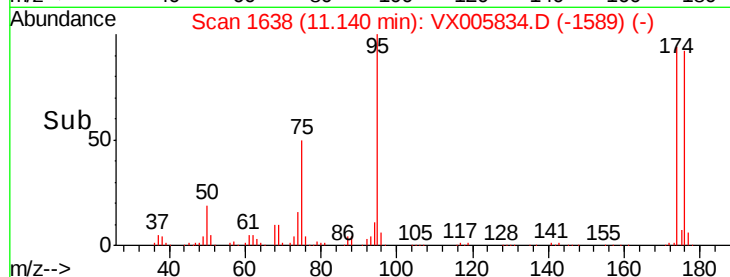
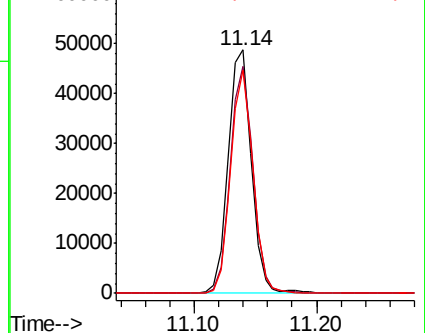
176 87.7 0.0 177.4



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: VX005834.D

Acq: 07 Nov 2018 18:11

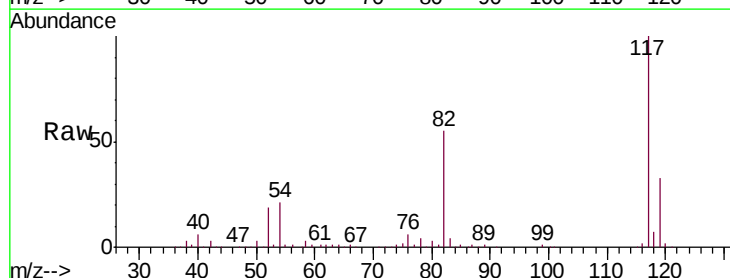
Tgt Ion: 117 Resp: 132987

Ion Ratio Lower Upper

117 100

82 54.7 44.1 66.1

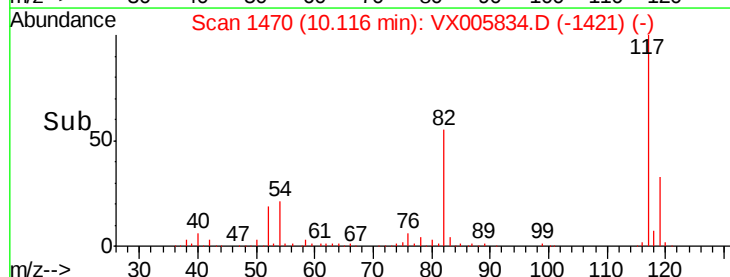
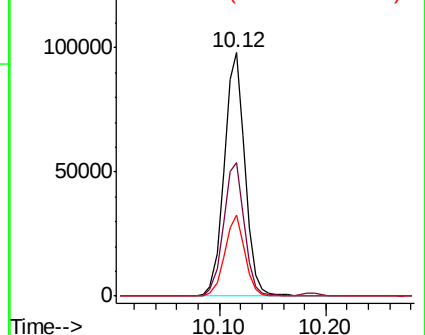
119 33.0 26.2 39.2

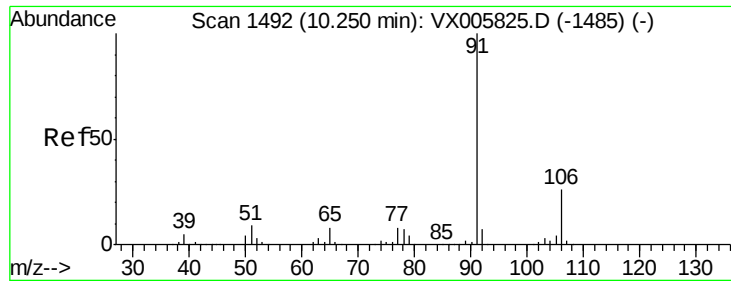


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): V





#67

Ethyl Benzene

Concen: 9.522 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. -0.00 min

Lab File: VX005834.D

Acq: 07 Nov 2018 18:11

Instrument :

MSVOA_X

ClientSampleId :

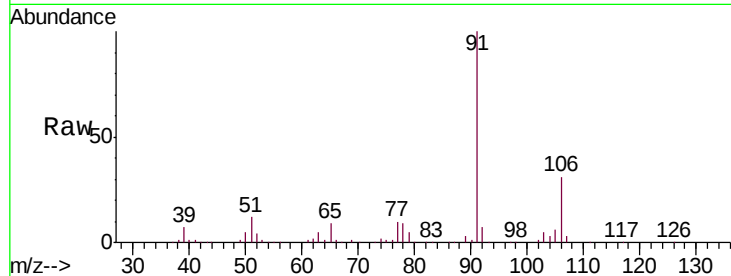
S81-0100

Tgt Ion: 91 Resp: 40677

Ion Ratio Lower Upper

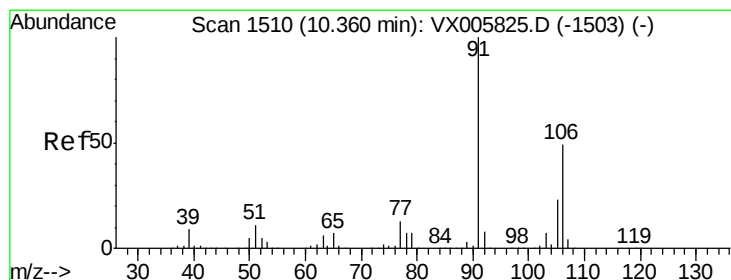
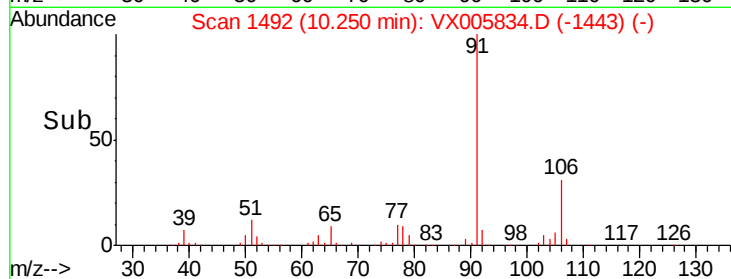
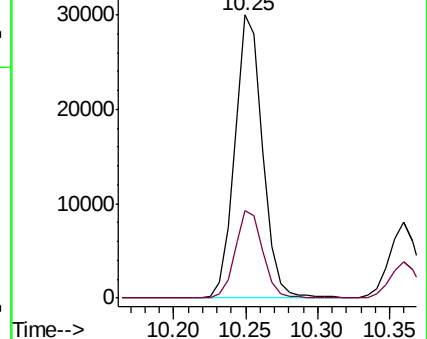
91 100

106 30.9 24.4 36.6



Abundance Ion 91.00 (90.70 to 91.70): VX005825.D (-1485) (-)

Ion 106.00 (105.70 to 106.70): VX005825.D (-1485) (-)



#68

m/p-Xylenes

Concen: 3.193 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. -0.00 min

Lab File: VX005834.D

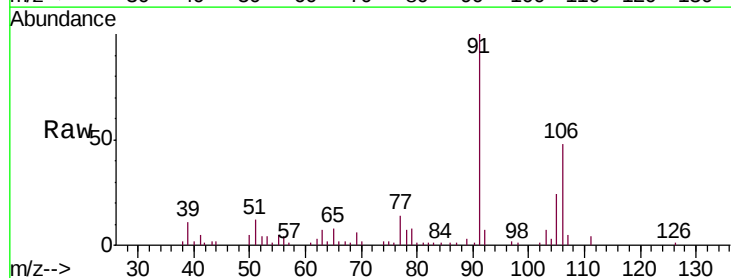
Acq: 07 Nov 2018 18:11

Tgt Ion: 106 Resp: 5203

Ion Ratio Lower Upper

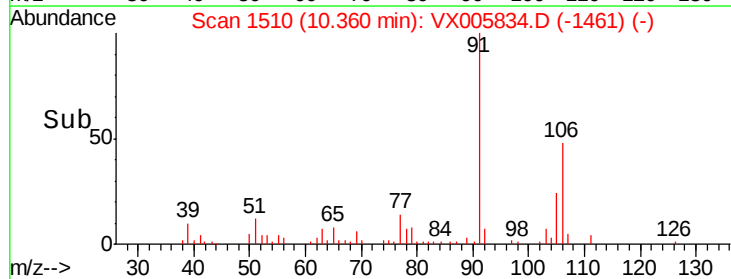
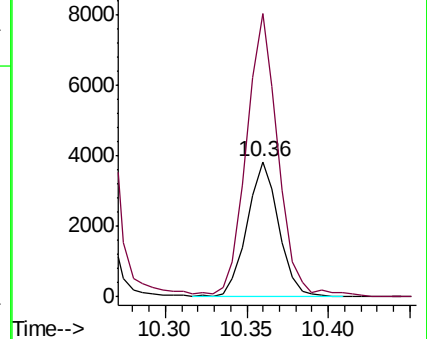
106 100

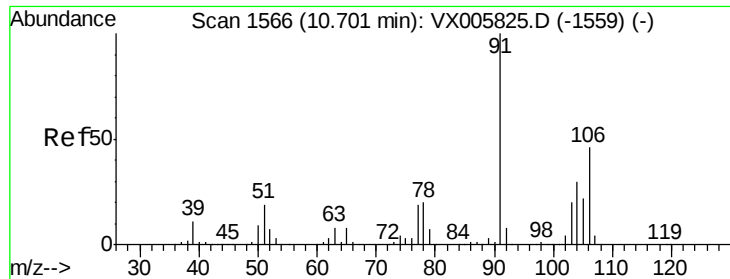
91 211.0 164.2 246.4



Abundance Ion 106.00 (105.70 to 106.70): VX005825.D (-1503) (-)

Ion 91.00 (90.70 to 91.70): VX005825.D (-1503) (-)

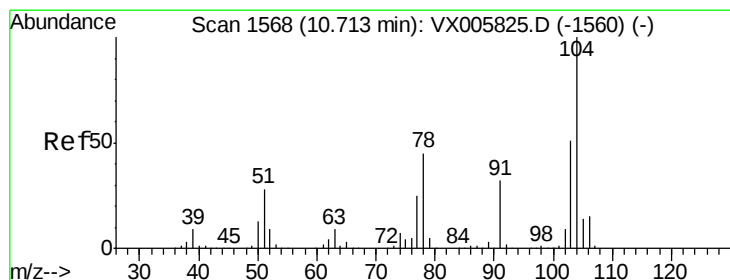
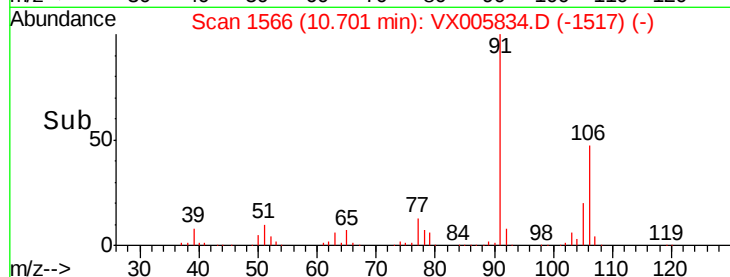
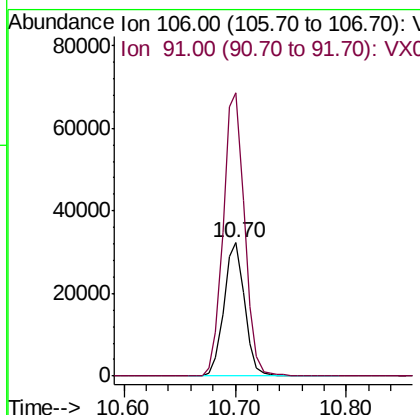
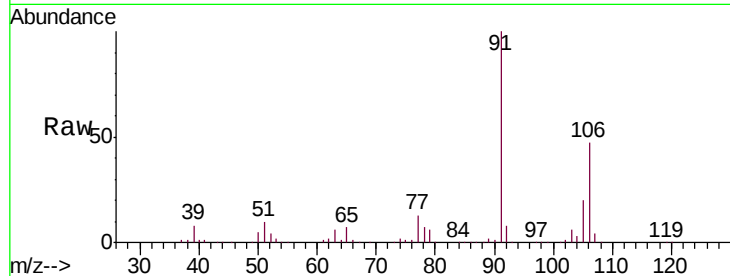




#69
o-Xylene
Concen: 28.490 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. -0.00 min
Lab File: VX005834.D
Acq: 07 Nov 2018 18:11

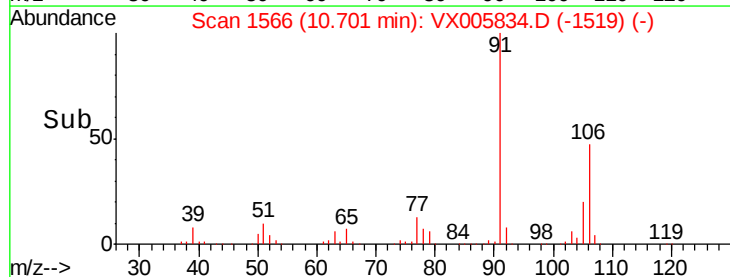
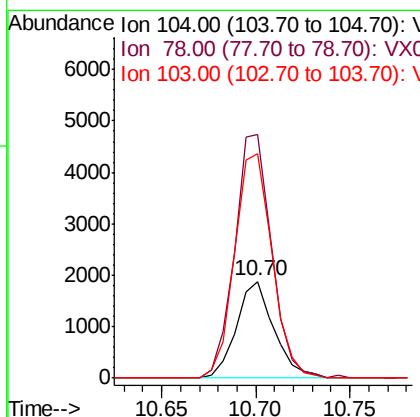
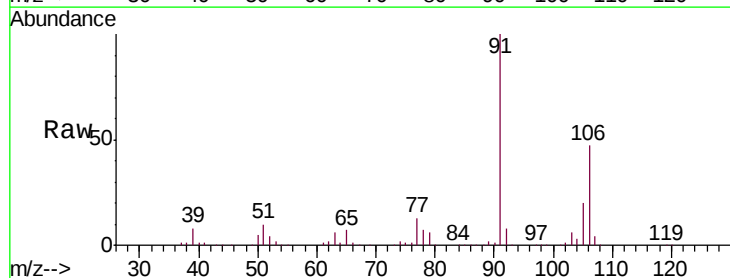
Instrument :
MSVOA_X
ClientSampled :
S81-0100

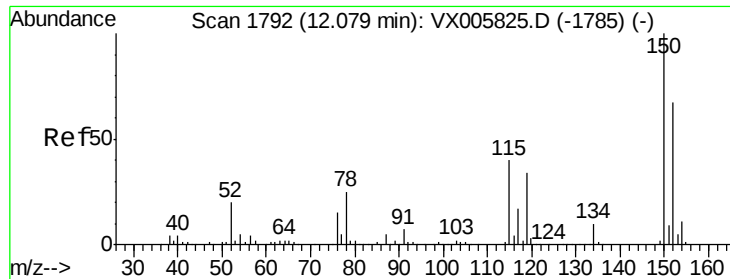
Tgt Ion:106 Resp: 41630
Ion Ratio Lower Upper
106 100
91 219.3 108.5 325.5



#70
Styrene
Concen: 1.081 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. -0.01 min
Lab File: VX005834.D
Acq: 07 Nov 2018 18:11

Tgt Ion:104 Resp: 2605
Ion Ratio Lower Upper
104 100
78 247.6 40.2 60.4#
103 231.6 44.9 67.3#





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX005834.D

Acq: 07 Nov 2018 18:11

Instrument :

MSVOA_X

ClientSampleId :

S81-0100

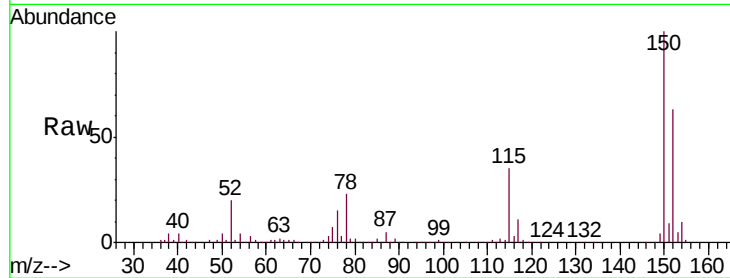
Tgt Ion:152 Resp: 68762

Ion Ratio Lower Upper

152 100

115 55.5 39.4 118.1

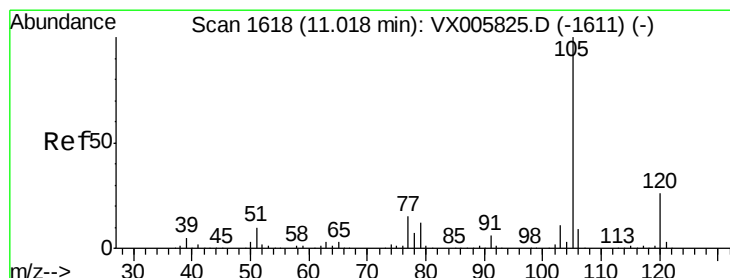
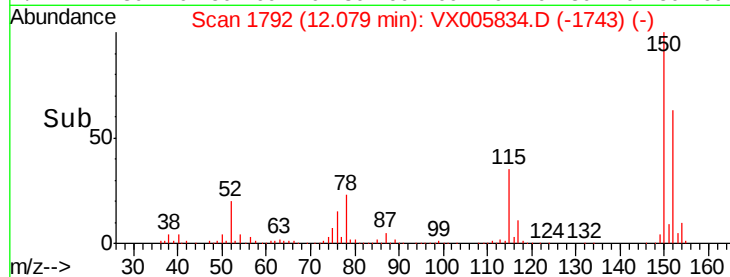
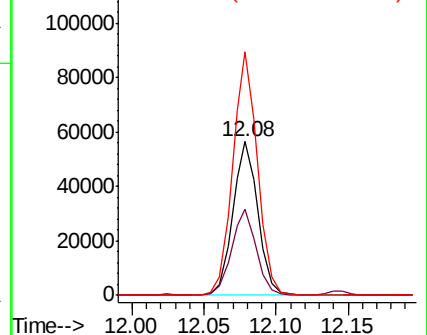
150 156.2 0.0 346.4



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#73

Isopropylbenzene

Concen: 1.062 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. -0.00 min

Lab File: VX005834.D

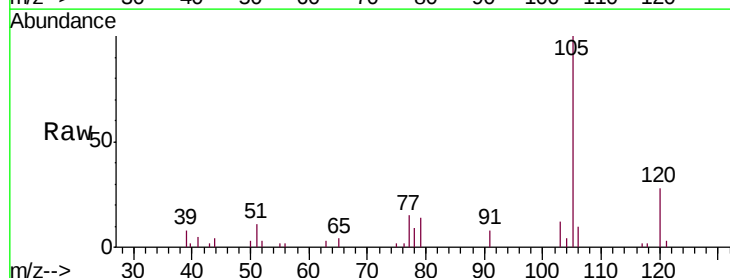
Acq: 07 Nov 2018 18:11

Tgt Ion:105 Resp: 4222

Ion Ratio Lower Upper

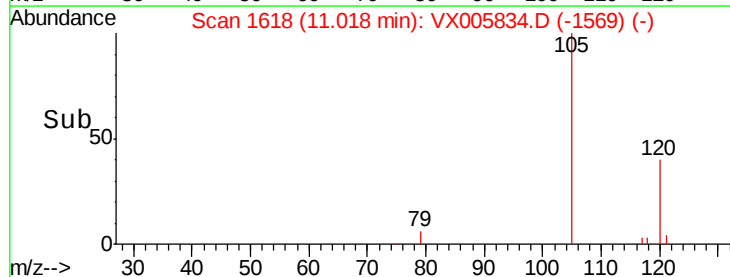
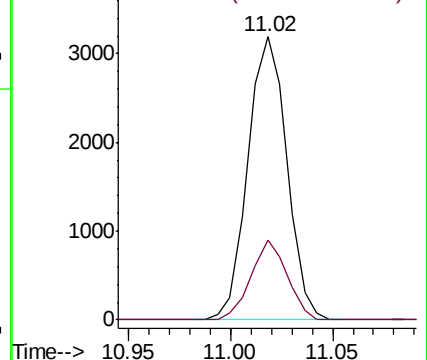
105 100

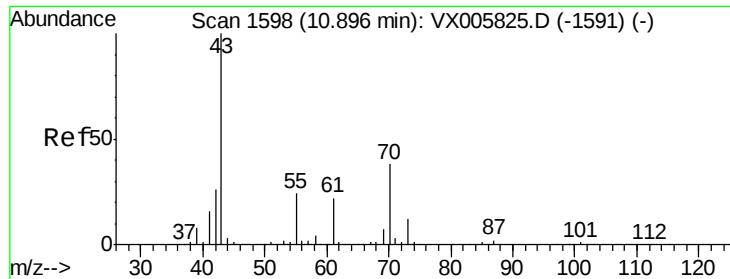
120 26.2 13.1 39.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#74

N-ethyl acetate

Concen: 1.431 ug/l

RT: 10.91 min Scan# 1600

Delta R.T. 0.01 min

Lab File: VX005834.D

Acq: 07 Nov 2018 18:11

Instrument :

MSVOA_X

ClientSampled :

S81-0100

Tgt Ion: 43 Resp: 412

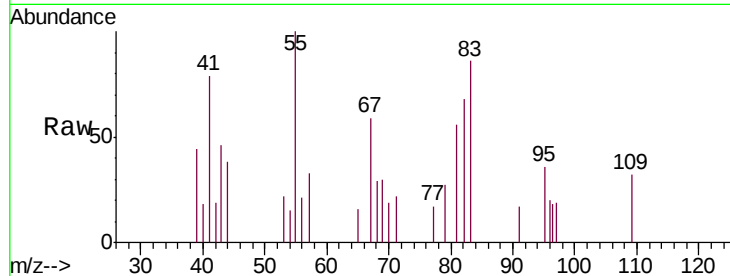
Ion Ratio Lower Upper

43 100

70 45.9 31.6 47.4

55 254.4 19.7 29.5#

61 0.0 18.3 27.5#



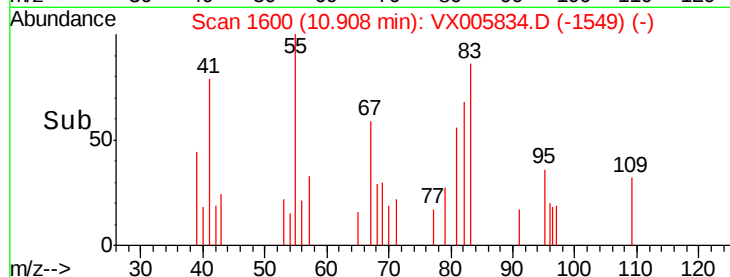
Abundance Ion 43.00 (42.70 to 43.70): VX0

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

Time-->



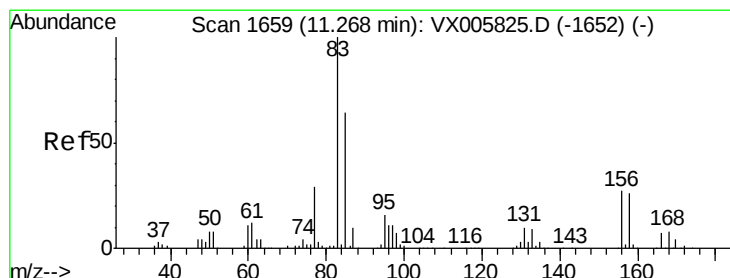
Abundance Ion 43.00 (42.70 to 43.70): VX0

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

Time-->



#75

1,1,2,2-Tetrachloroethane

Concen: 0.213 ug/l

RT: 11.27 min Scan# 1660

Delta R.T. 0.01 min

Lab File: VX005834.D

Acq: 07 Nov 2018 18:11

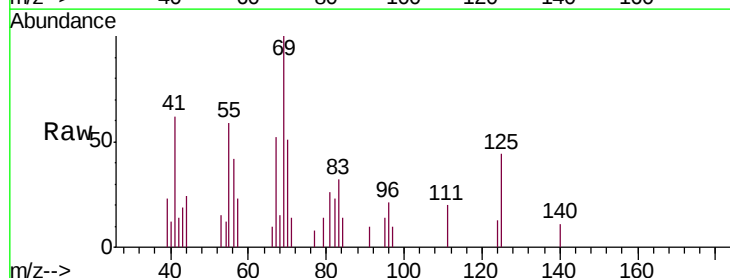
Tgt Ion: 83 Resp: 311

Ion Ratio Lower Upper

83 100

131 0.0 5.3 15.9#

85 0.0 32.0 96.2#

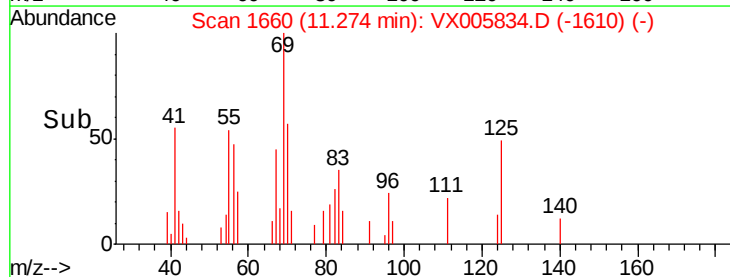


Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VX0

Time-->

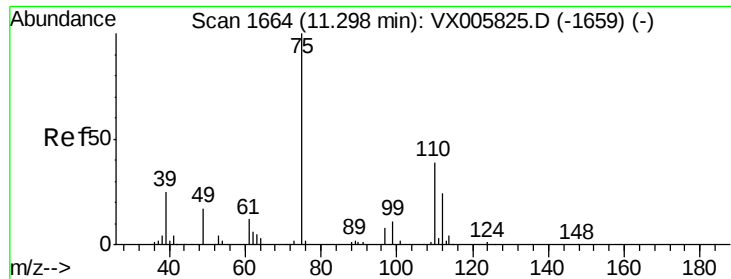


Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VX0

Time-->



#76

1,2,3-Trichloropropane

Concen: 22.918 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX005834.D

Acq: 07 Nov 2018 18:11

Instrument :

MSVOA_X

ClientSampleId :

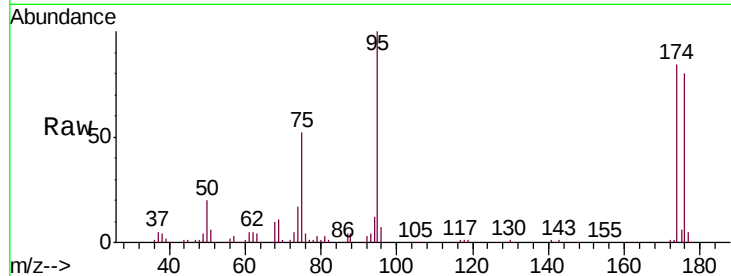
S81-0100

Tgt Ion: 75 Resp: 32089

Ion Ratio Lower Upper

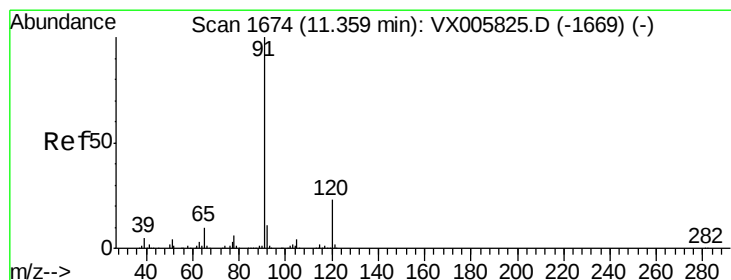
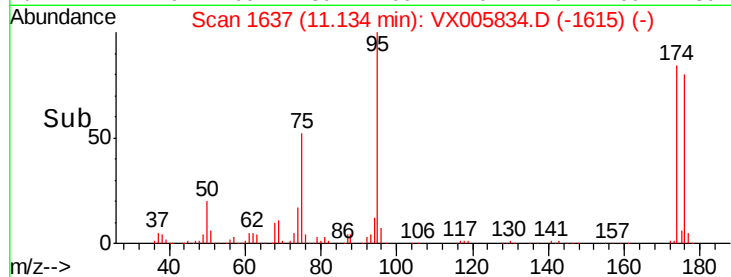
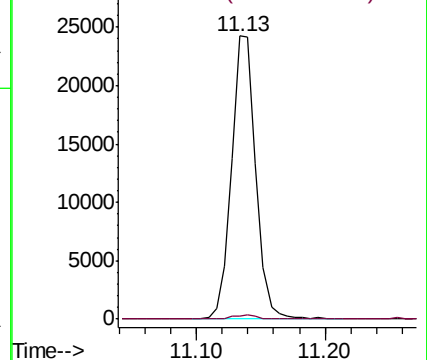
75 100

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: 1.209 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. -0.00 min

Lab File: VX005834.D

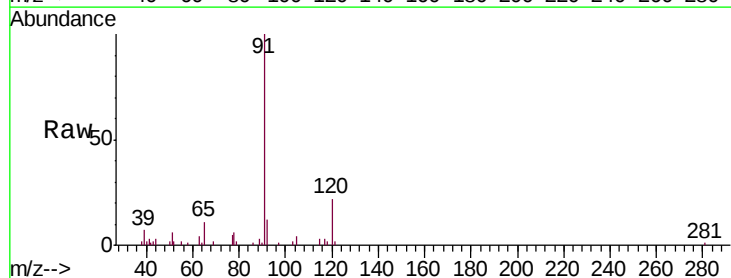
Acq: 07 Nov 2018 18:11

Tgt Ion: 91 Resp: 5664

Ion Ratio Lower Upper

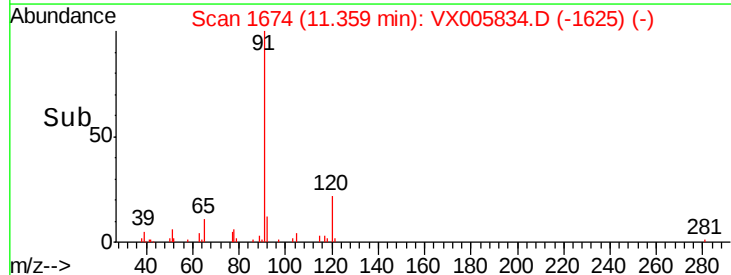
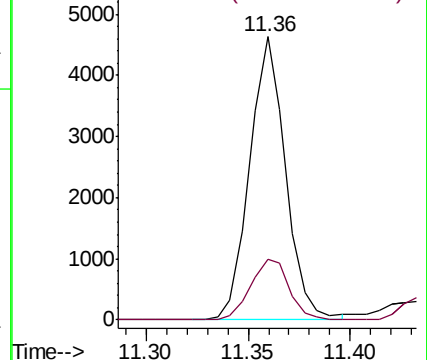
91 100

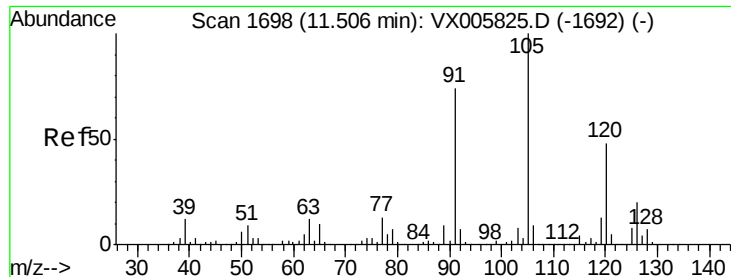
120 22.8 11.9 35.5



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#80

1,3,5-Trimethylbenzene

Concen: 1.079 ug/l

RT: 11.45 min Scan# 1689

Delta R.T. -0.05 min

Lab File: VX005834.D

Acq: 07 Nov 2018 18:11

Instrument :

MSVOA_X

ClientSampled :

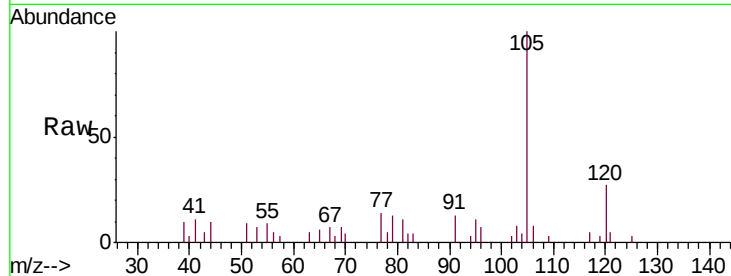
S81-0100

Tgt Ion:105 Resp: 3647

Ion Ratio Lower Upper

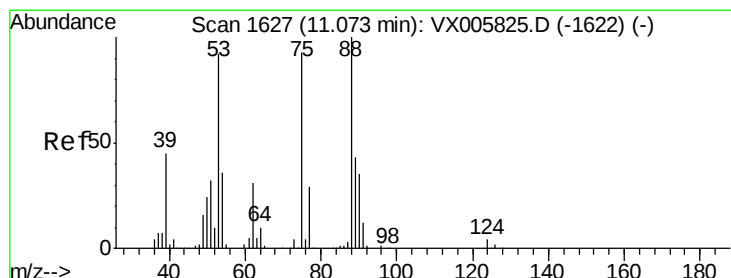
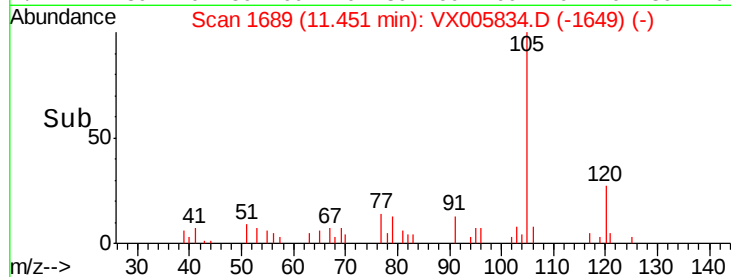
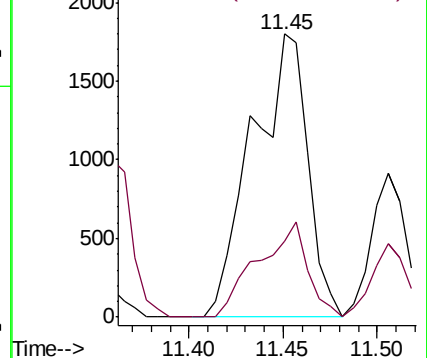
105 100

120 30.4 24.1 72.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#81

trans-1,4-Dichloro-2-butene

Concen: 73.045 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX005834.D

Acq: 07 Nov 2018 18:11

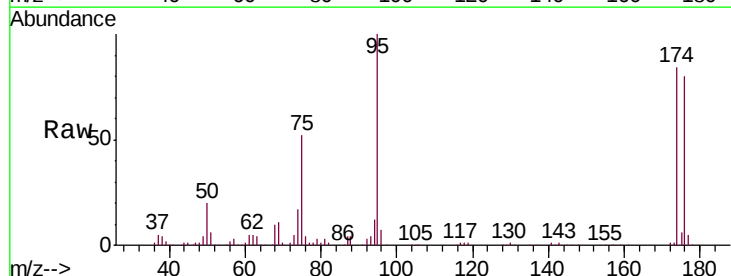
Tgt Ion: 75 Resp: 32089

Ion Ratio Lower Upper

75 100

53 0.1 80.2 120.2#

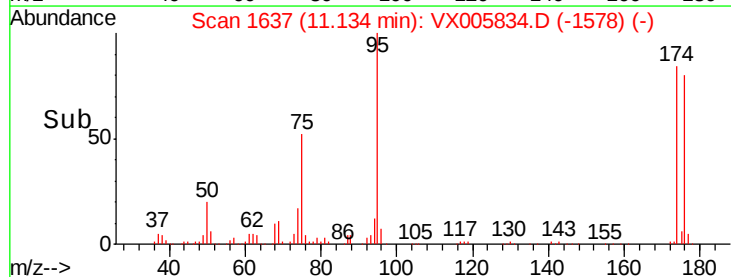
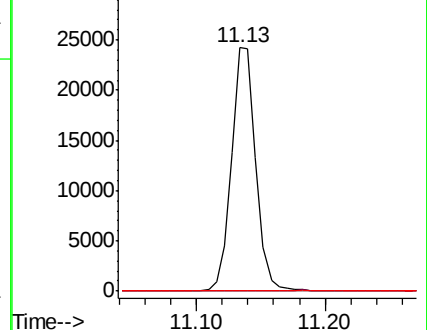
89 0.0 39.8 59.8#

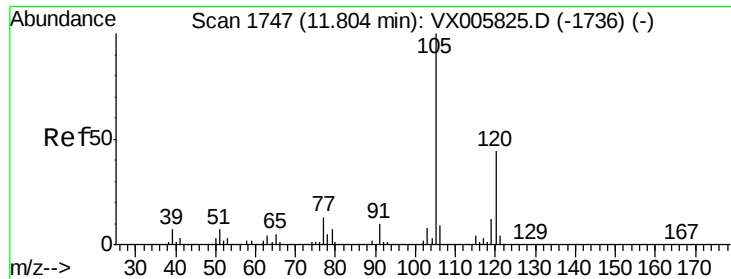


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0

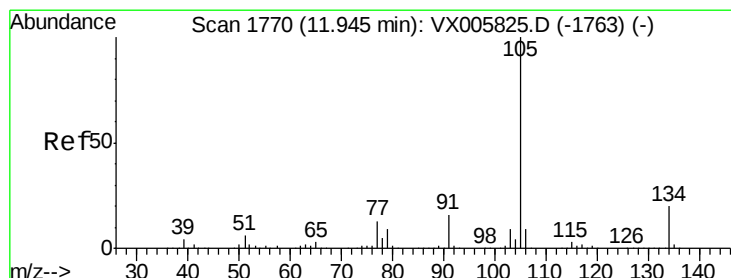
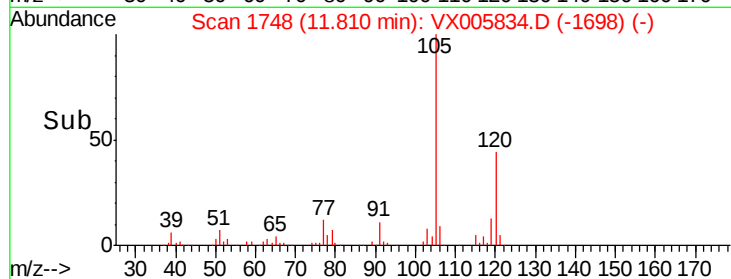
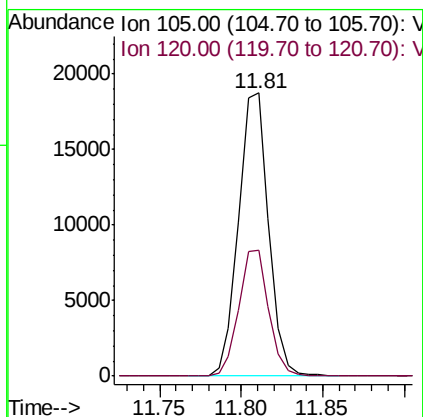
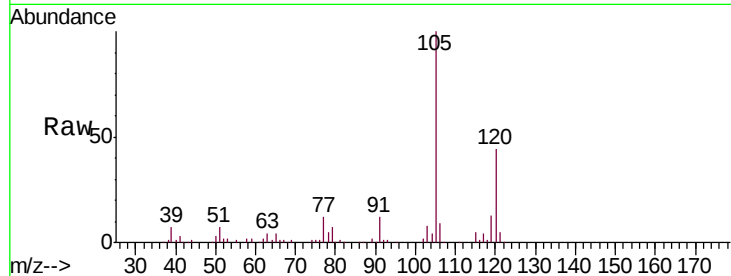




#84
 1,2,4-Trimethylbenzene
 Concen: 6.354 ug/l
 RT: 11.81 min Scan# 1748
 Delta R.T. 0.01 min
 Lab File: VX005834.D
 Acq: 07 Nov 2018 18:11

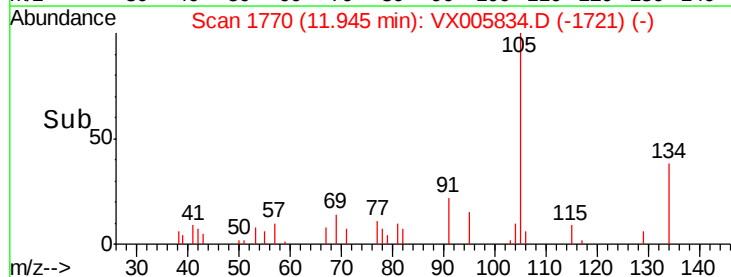
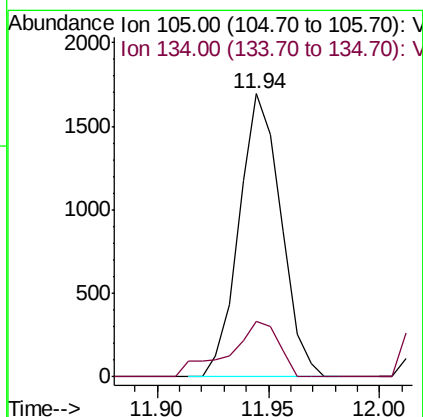
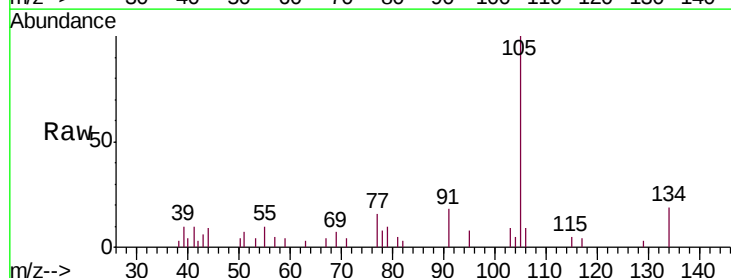
Instrument :
 MSVOA_X
 ClientSampleId :
 S81-0100

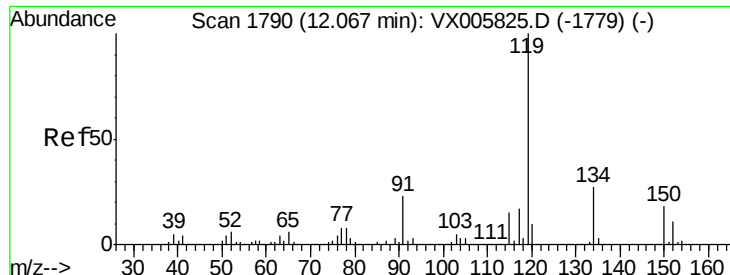
Tgt Ion:105 Resp: 24086
 Ion Ratio Lower Upper
 105 100
 120 44.1 22.4 67.0



#85
 sec-Butylbenzene
 Concen: 0.533 ug/l
 RT: 11.94 min Scan# 1770
 Delta R.T. -0.00 min
 Lab File: VX005834.D
 Acq: 07 Nov 2018 18:11

Tgt Ion:105 Resp: 2229
 Ion Ratio Lower Upper
 105 100
 134 23.5 10.2 30.4

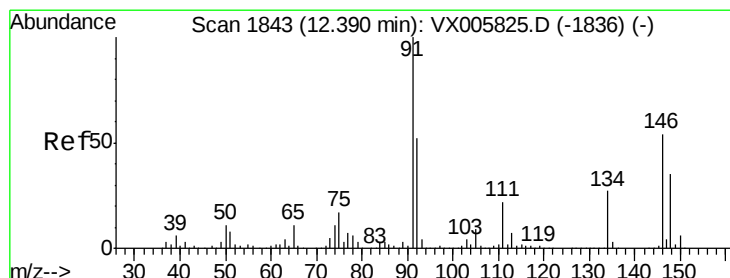
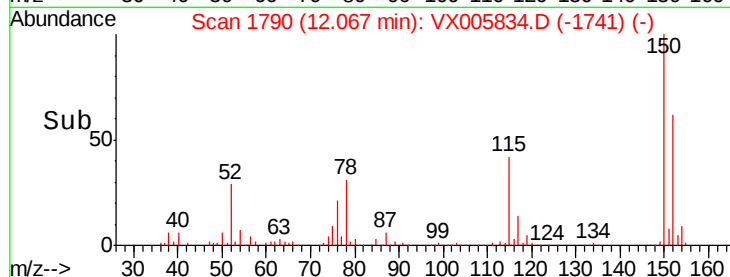
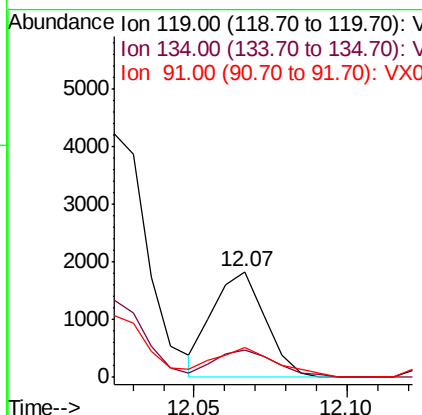
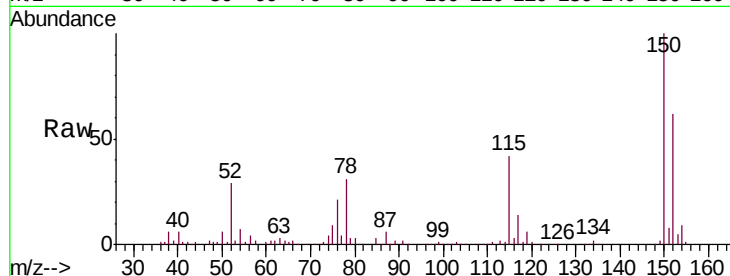




#86
p-Isopropyltoluene
Concen: 0.590 ug/l
RT: 12.07 min Scan# 1790
Delta R.T. -0.00 min
Lab File: VX005834.D
Acq: 07 Nov 2018 18:11

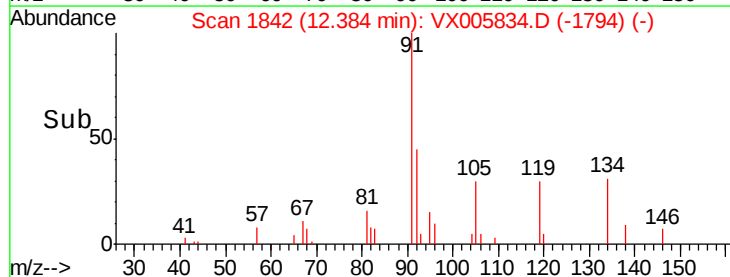
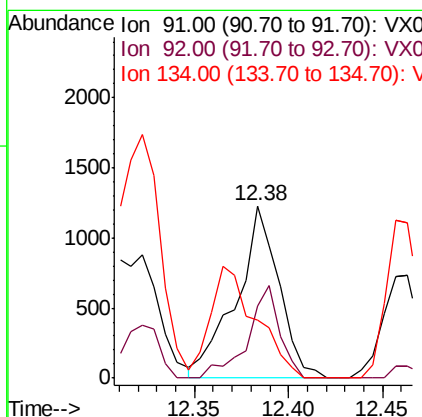
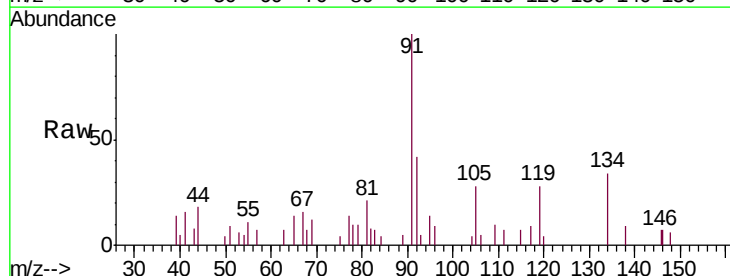
Instrument :
MSVOA_X
ClientSampled :
S81-0100

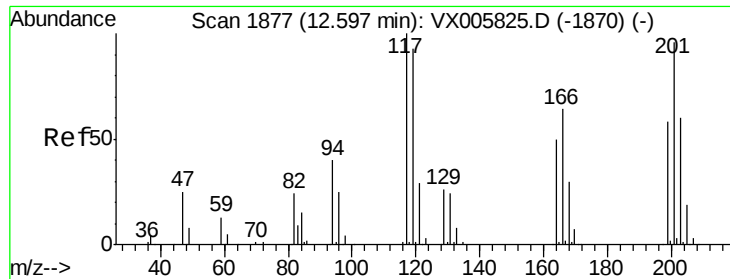
Tgt Ion: 119 Resp: 2185
Ion Ratio Lower Upper
119 100
134 30.1 13.0 39.0
91 33.1 11.4 34.2



#89
n-Butylbenzene
Concen: 0.564 ug/l
RT: 12.38 min Scan# 1842
Delta R.T. -0.01 min
Lab File: VX005834.D
Acq: 07 Nov 2018 18:11

Tgt Ion: 91 Resp: 1937
Ion Ratio Lower Upper
91 100
92 40.1 26.1 78.2
134 0.0 13.1 39.3#

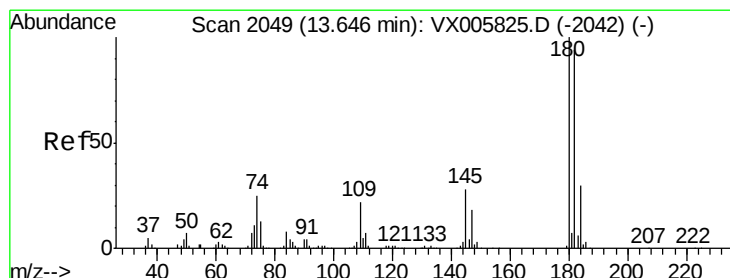
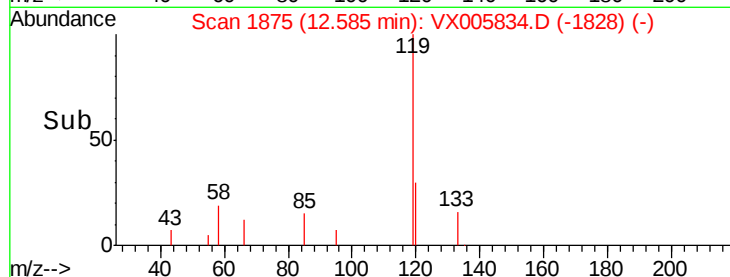
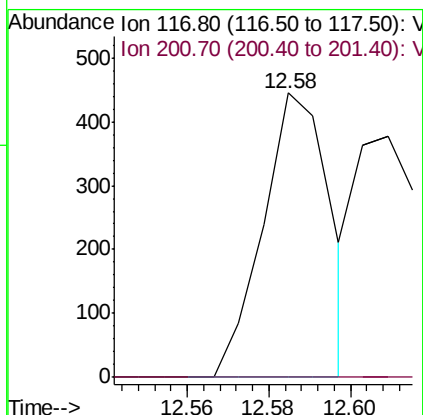
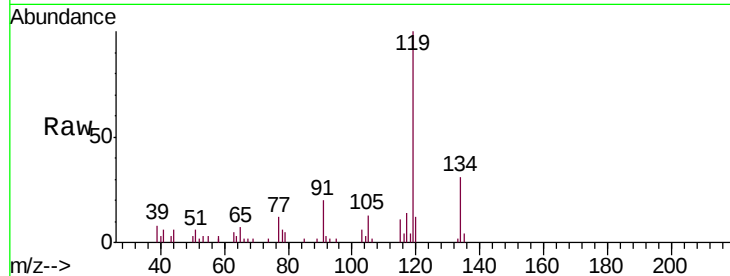




#90
Hexachloroethane
Concen: 0.823 ug/l
RT: 12.58 min Scan# 1875
Delta R.T. -0.01 min
Lab File: VX005834.D
Acq: 07 Nov 2018 18:11

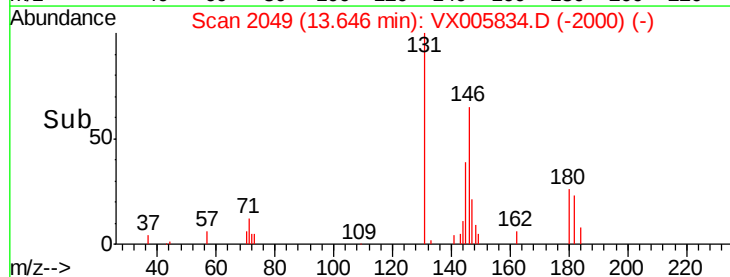
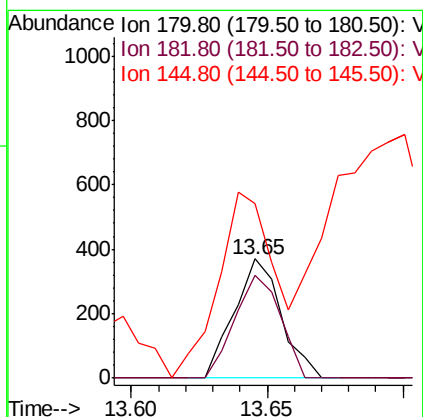
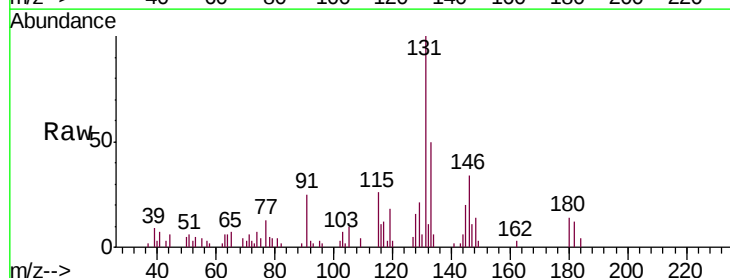
Instrument :
MSVOA_X
ClientSampleId :
S81-0100

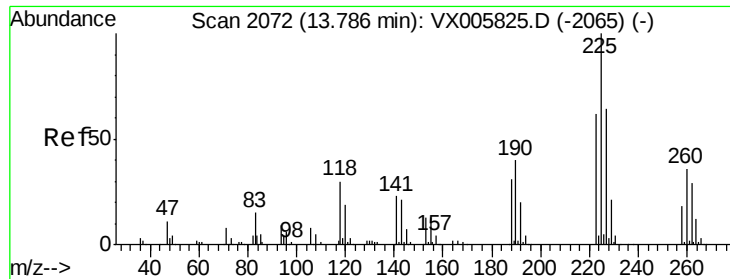
Tgt Ion:117 Resp: 509
Ion Ratio Lower Upper
117 100
201 0.0 47.9 143.6#



#93
1,2,4-Trichlorobenzene
Concen: 0.291 ug/l
RT: 13.65 min Scan# 2049
Delta R.T. -0.00 min
Lab File: VX005834.D
Acq: 07 Nov 2018 18:11

Tgt Ion:180 Resp: 442
Ion Ratio Lower Upper
180 100
182 83.7 47.6 142.8
145 185.1 14.1 42.2#





#94

Hexachlorobutadiene

Concen: 0.251 ug/l

RT: 13.78 min Scan# 2071

Delta R.T. -0.01 min

Lab File: VX005834.D

Acq: 07 Nov 2018 18:11

Instrument :

MSVOA_X

ClientSampleId :

S81-0100

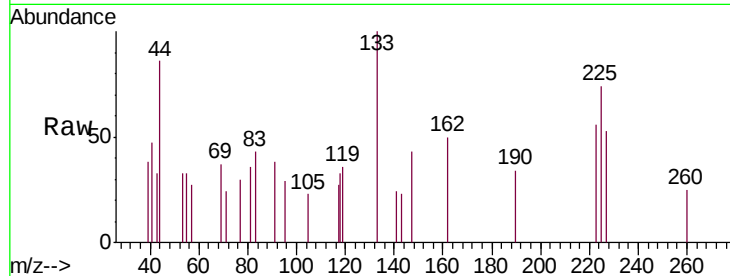
Tgt Ion:225 Resp: 200

Ion Ratio Lower Upper

225 100

223 51.0 31.7 95.1

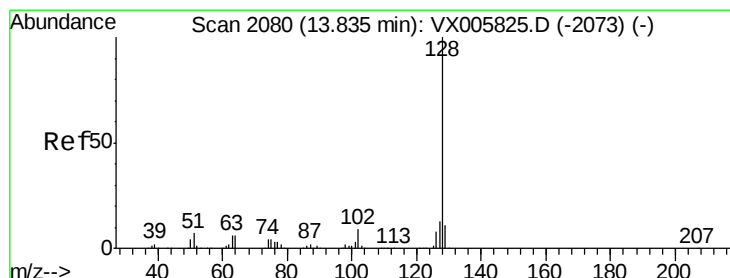
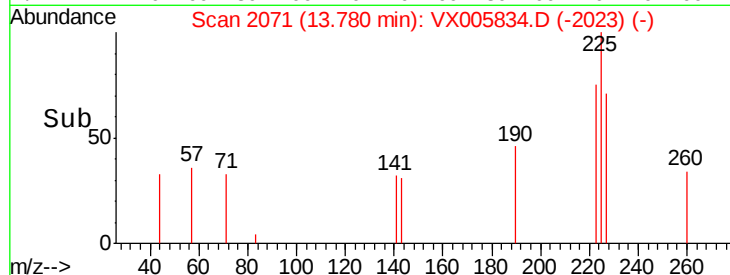
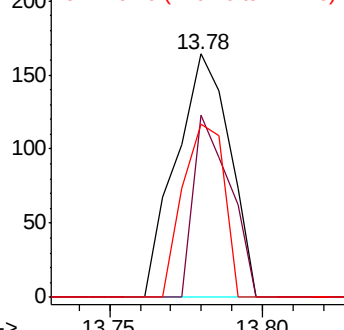
227 55.0 32.3 96.9



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: 2.656 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. 0.00 min

Lab File: VX005834.D

Acq: 07 Nov 2018 18:11

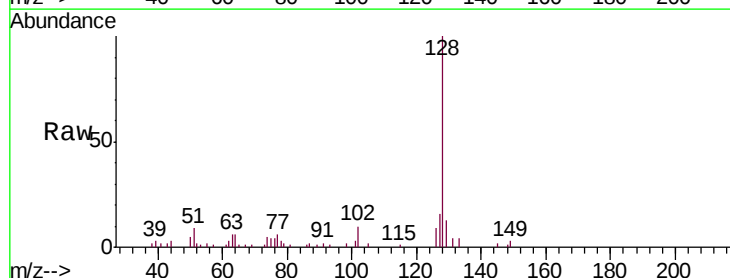
Tgt Ion:128 Resp: 7492

Ion Ratio Lower Upper

128 100

127 15.8 10.4 15.6#

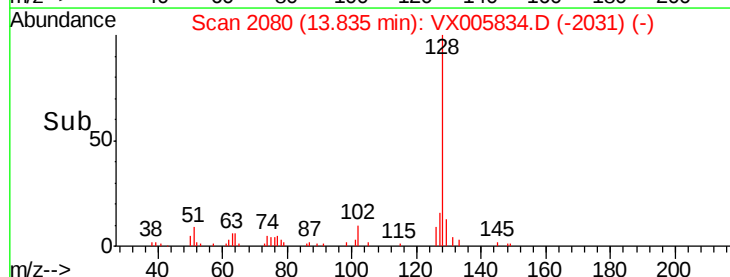
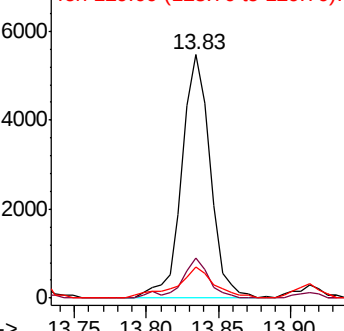
129 16.8 8.7 13.1#

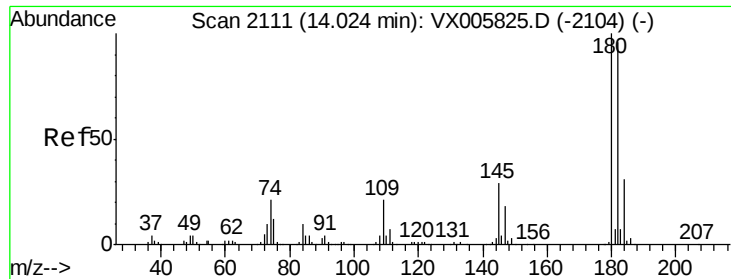


Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V





#96
 1,2,3-Trichlorobenzene
 Concen: 0.234 ug/l
 RT: 14.02 min Scan# 2110
 Delta R.T. -0.01 min
 Lab File: VX005834.D
 Acq: 07 Nov 2018 18:11

Instrument :
 MSVOA_X
 ClientSampleId :
 S81-0100

Tgt Ion	Ratio	Lower	Upper
180	100		
182	93.6	48.0	144.2
145	230.4	15.1	45.3#

