

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX111218\
 Data File : VX005905.D
 Acq On : 12 Nov 2018 17:21
 Operator : JC/MD
 Sample : J5907-08
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TP-3-S

Quant Time: Nov 13 04:42:35 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	5.66	168	121603	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	165332	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	156063	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	73337	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.07	65	68960	49.33	ug/l	0.00
Spiked Amount			Recovery	=	98.66%	
35) Dibromofluoromethane	5.50	113	57334	50.99	ug/l	0.00
Spiked Amount			Recovery	=	101.98%	
50) Toluene-d8	8.71	98	209290	55.98	ug/l	0.00
Spiked Amount			Recovery	=	111.96%	
62) 4-Bromofluorobenzene	11.14	95	69996	52.08	ug/l	0.00
Spiked Amount			Recovery	=	104.16%	

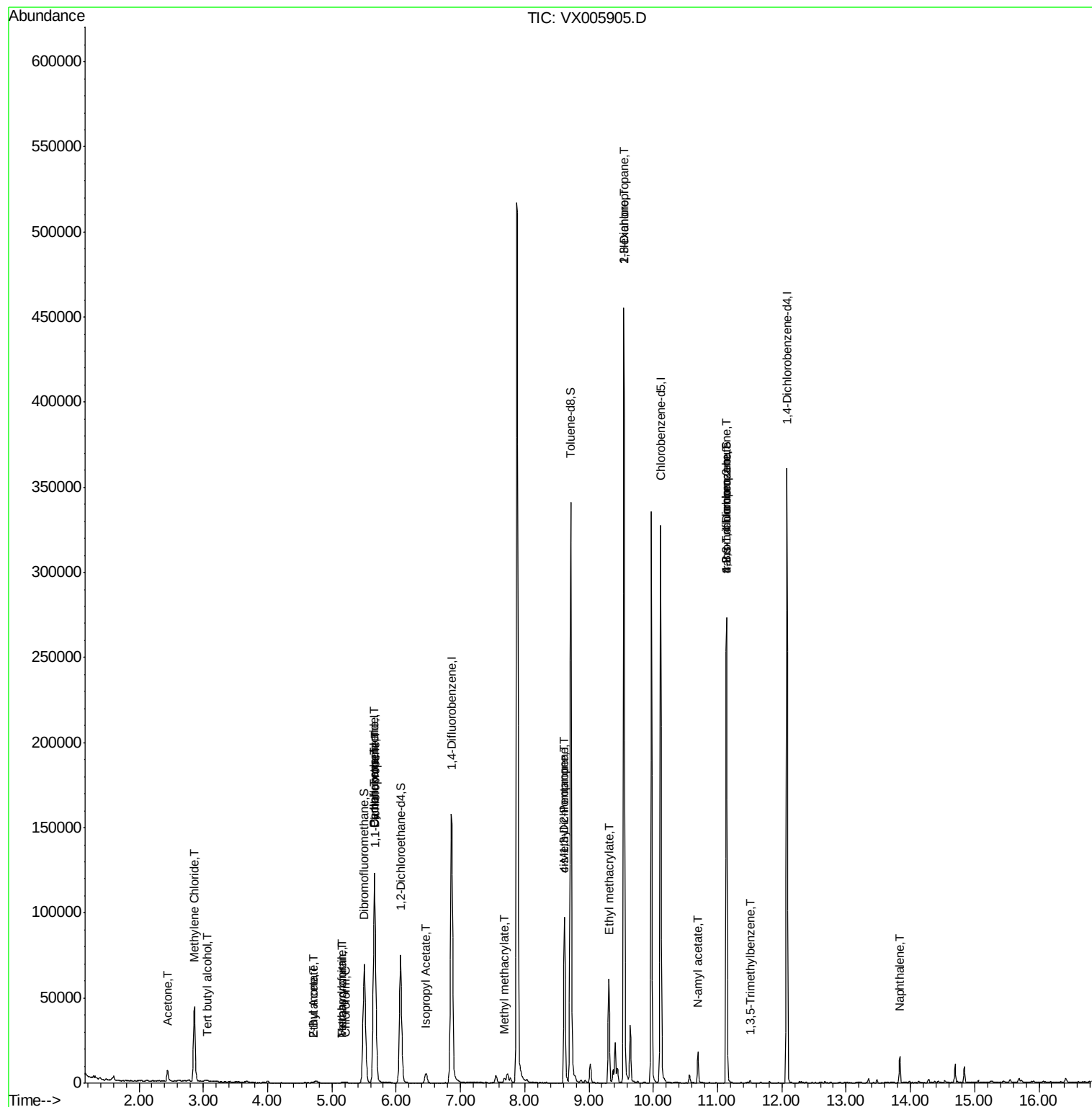
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	3.06	59	744	1.858	ug/l #	94
16) Acetone	2.44	43	6526	8.670	ug/l	96
18) Methyl Acetate	2.78	43	773	Below Cal		94
20) Methylene Chloride	2.86	84	19707	15.938	ug/l	95
25) 2-Butanone	4.71	43	844	0.713	ug/l #	51
29) Tetrahydrofuran	5.15	42	359	0.472	ug/l #	36
30) Chloroform	5.21	83	706	0.326	ug/l	91
31) Cyclohexane	5.65	56	2138	1.098	ug/l #	1
36) 1,1-Dichloropropene	5.67	75	8025	5.035	ug/l #	48
37) Ethyl Acetate	4.71	43	844	0.403	ug/l #	69
38) Carbon Tetrachloride	5.67	117	10363	6.495	ug/l #	16
41) Methacrylonitrile	5.16	41	284	0.251	ug/l #	29
43) Isopropyl Acetate	6.46	43	7958	2.620	ug/l	99
48) Methyl methacrylate	7.68	41	3827	2.806	ug/l #	16
51) 4-Methyl-2-Pentanone	8.62	43	33097	17.292	ug/l #	51
54) cis-1,3-Dichloropropene	8.62	75	15154	9.420	ug/l #	62
56) Ethyl methacrylate	9.30	69	407	0.235	ug/l #	1
57) 1,3-Dichloropropane	9.54	76	3572	1.837	ug/l #	43
59) 2-Hexanone	9.54	43	52929	31.372	ug/l #	54
74) N-amyl acetate	10.69	43	4560	3.119	ug/l #	55
76) 1,2,3-Trichloropropane	11.13	75	35104	23.508	ug/l #	36
80) 1,3,5-Trimethylbenzene	11.51	105	787	0.218	ug/l	88
81) trans-1,4-Dichloro-2-buten	11.13	75	35104	74.923	ug/l #	9
95) Naphthalene	13.83	128	9927	3.015	ug/l	99

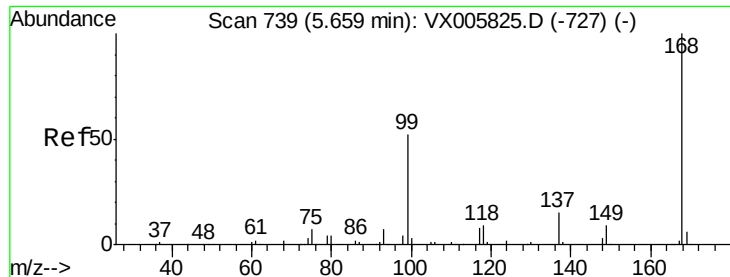
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX111218\
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Quant Time: Nov 13 04:42:35 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X110718W.M
Quant Title : SW846 8260
QLast Update : Wed Nov 07 14:40:53 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.00 min

Lab File: VX005905.D

Acq: 12 Nov 2018 17:21

Instrument :

MSVOA_X

ClientSampled :

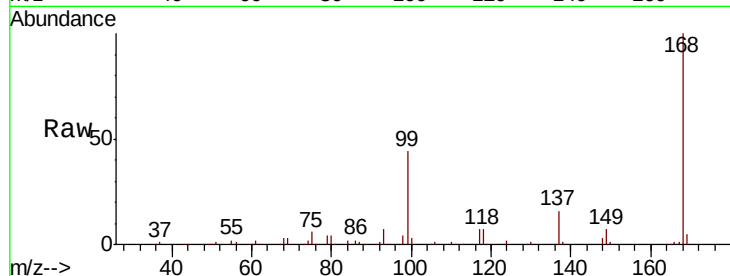
TP-3-S

Tot Ion:168 Resp: 121603

Ion Ratio Lower Upper

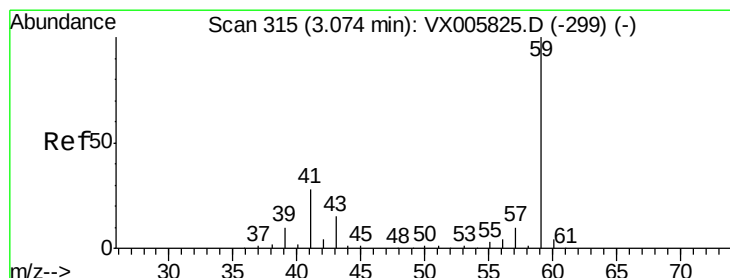
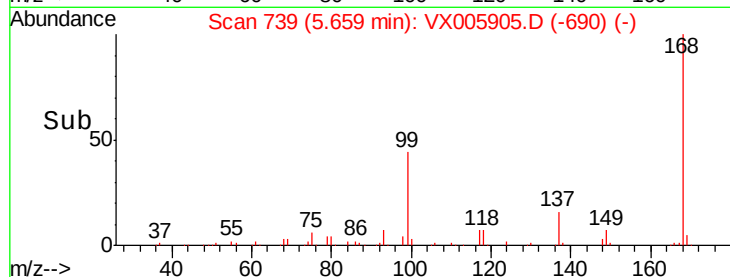
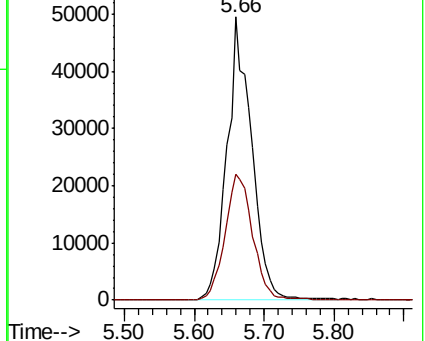
168 100

99 44.4 40.7 61.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#11

Tert butyl alcohol

Concen: 1.858 ug/l

RT: 3.06 min Scan# 312

Delta R.T. -0.02 min

Lab File: VX005905.D

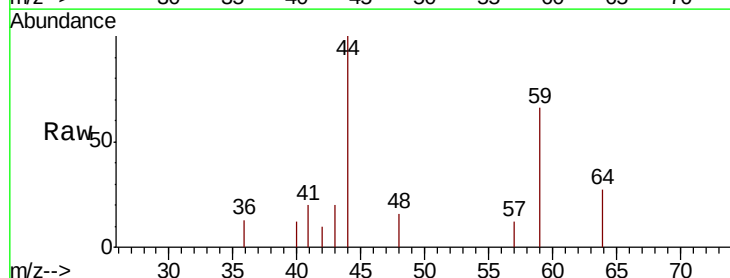
Acq: 12 Nov 2018 17:21

Tgt Ion: 59 Resp: 744

Ion Ratio Lower Upper

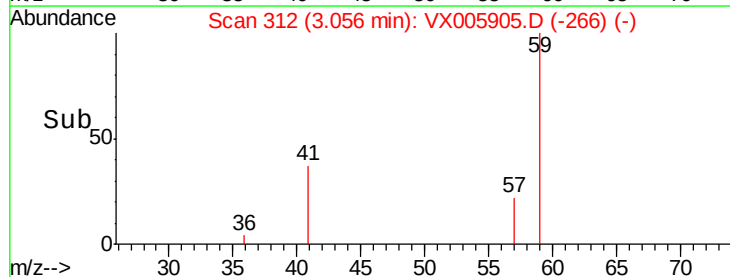
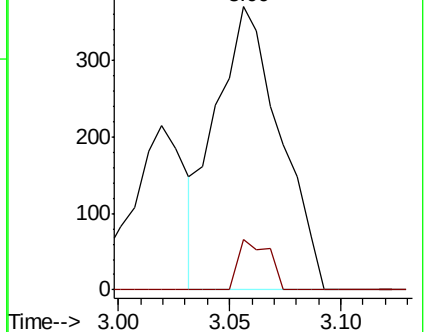
59 100

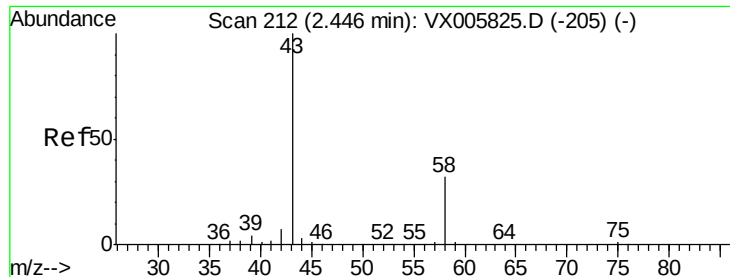
57 8.5 8.5 12.7#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0

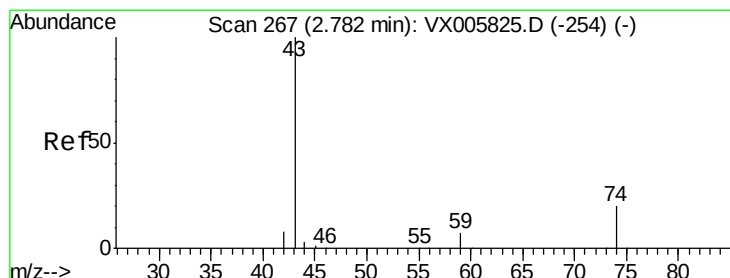
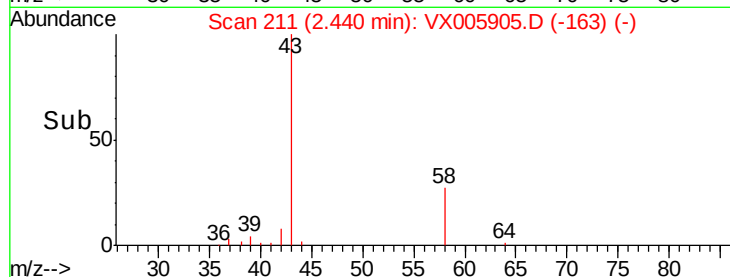
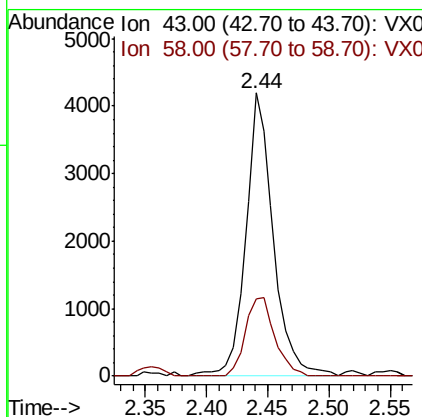
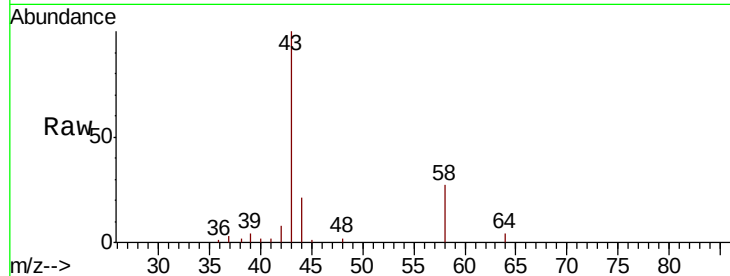




#16
 Acetone
 Concen: 8.670 ug/l
 RT: 2.44 min Scan# 211
 Delta R.T. -0.01 min
 Lab File: VX005905.D
 Acq: 12 Nov 2018 17:21

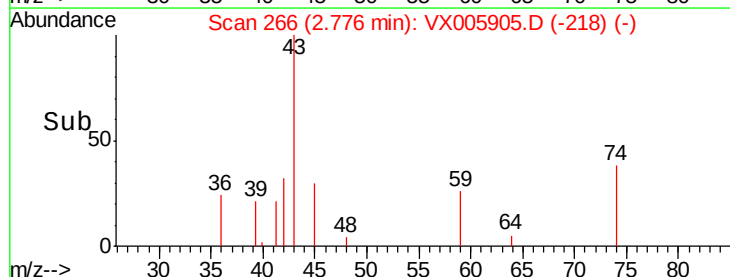
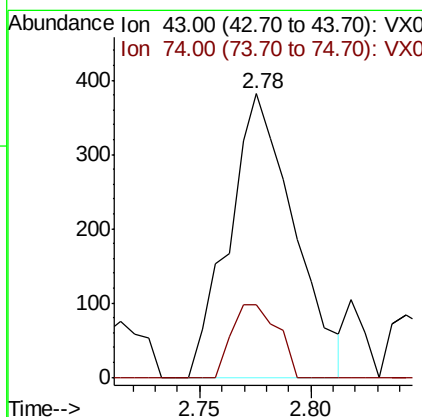
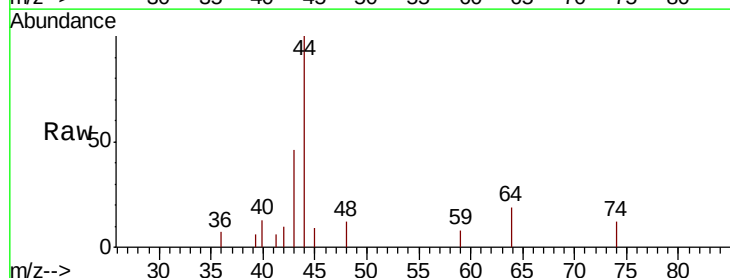
Instrument :
 MSVOA_X
 ClientSampleId :
 TP-3-S

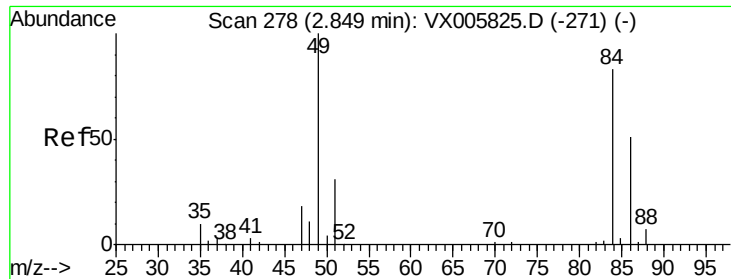
Tot Ion: 43 Resp: 6526
 Ion Ratio Lower Upper
 43 100
 58 27.3 23.8 35.6



#18
 Methyl Acetate
 Concen: Below Cal
 RT: 2.78 min Scan# 266
 Delta R.T. -0.01 min
 Lab File: VX005905.D
 Acq: 12 Nov 2018 17:21

Tgt Ion: 43 Resp: 773
 Ion Ratio Lower Upper
 43 100
 74 18.2 16.8 25.2

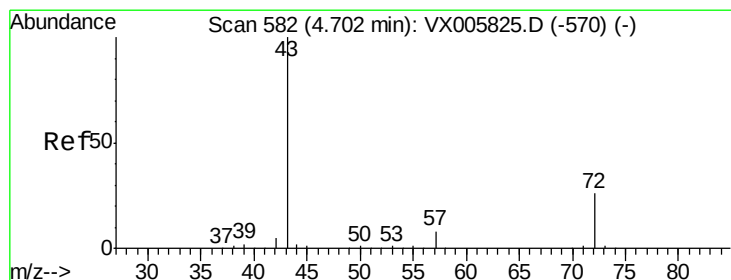
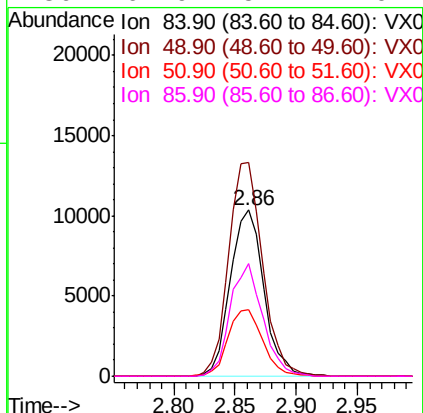
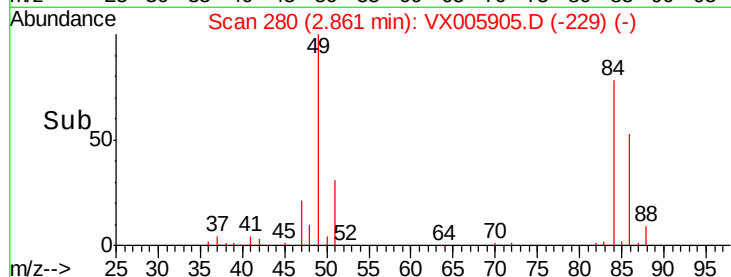
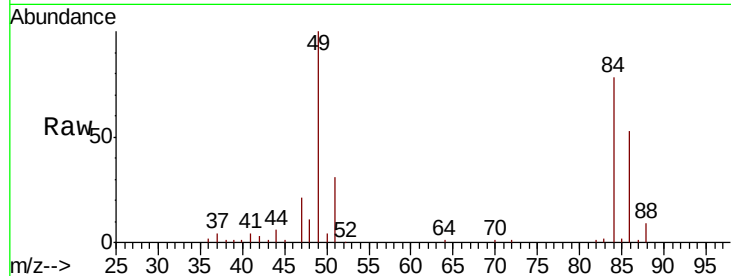




#20
Methvlene Chloride
Concen: 15.938 ug/l
RT: 2.86 min Scan# 280
Delta R.T. 0.01 min
Lab File: VX005905.D
Acq: 12 Nov 2018 17:21

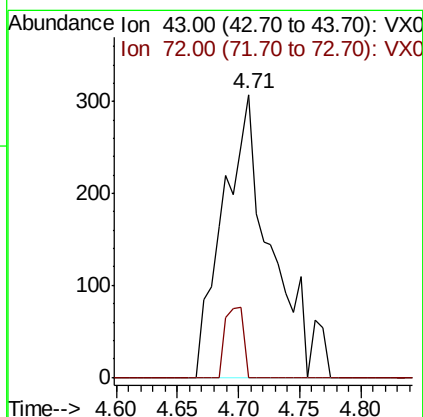
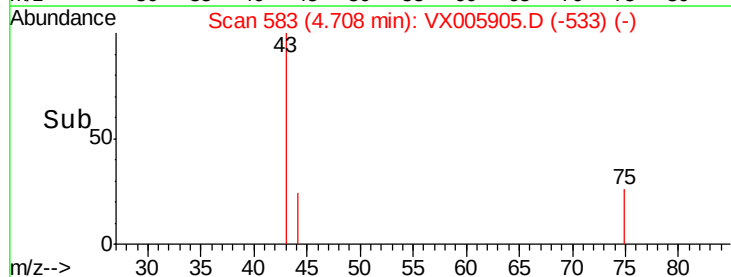
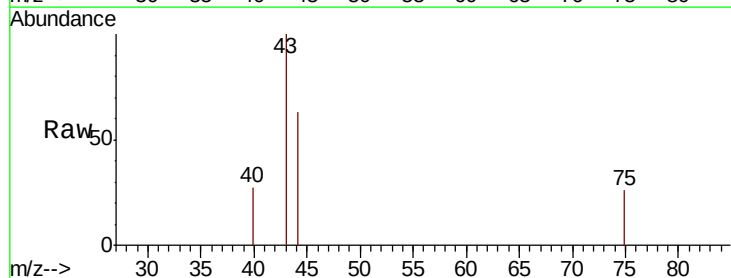
Instrument :
MSVOA_X
ClientSampleId :
TP-3-S

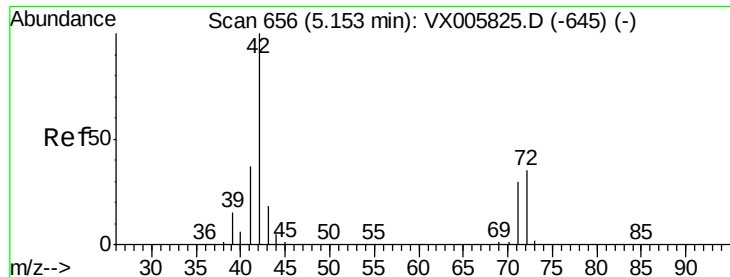
Tot Ion:	84	Resp:	19707
Ion	Ratio	Lower	Upper
84	100		
49	128.6	109.5	164.3
51	40.1	33.3	49.9
86	67.9	52.7	79.1



#25
2-Butanone
Concen: 0.713 ug/l
RT: 4.71 min Scan# 583
Delta R.T. 0.01 min
Lab File: VX005905.D
Acq: 12 Nov 2018 17:21

Tgt Ion:	43	Resp:	844
Ion	Ratio	Lower	Upper
43	100		
72	0.0	19.2	28.8#

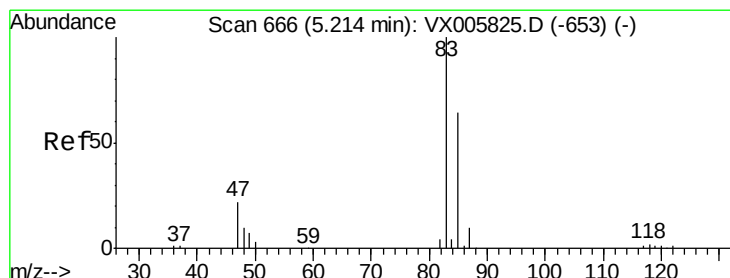
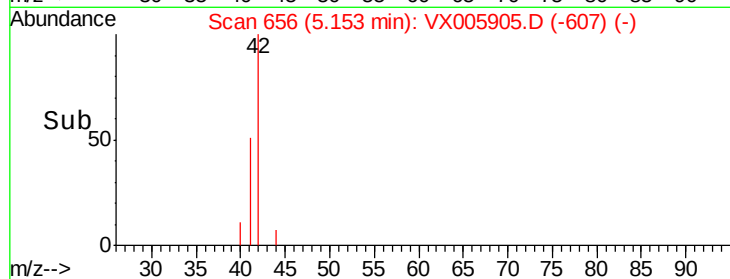
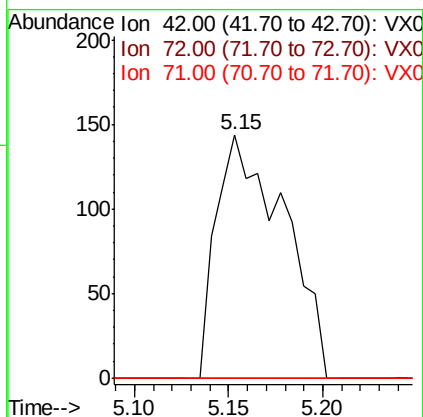
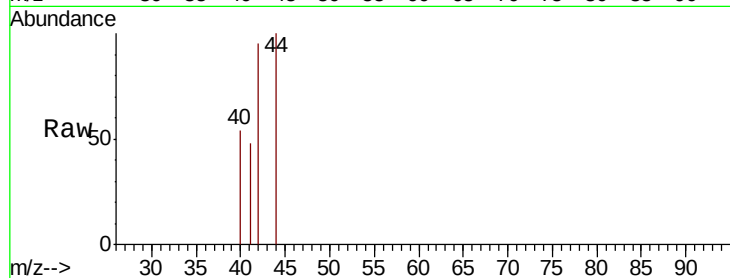




#29
Tetrahydrofuran
Concen: 0.472 ug/l
RT: 5.15 min Scan# 656
Delta R.T. 0.00 min
Lab File: VX005905.D
Acq: 12 Nov 2018 17:21

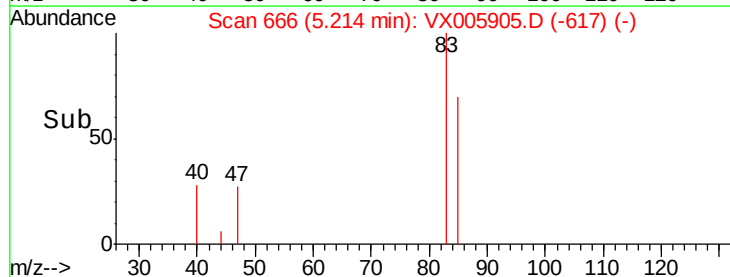
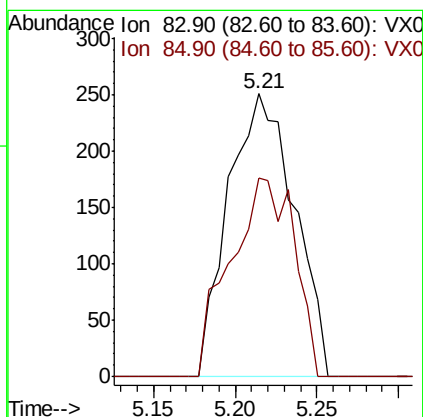
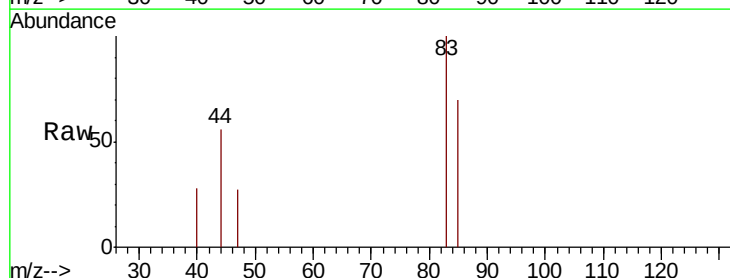
Instrument :
MSVOA_X
ClientSampled :
TP-3-S

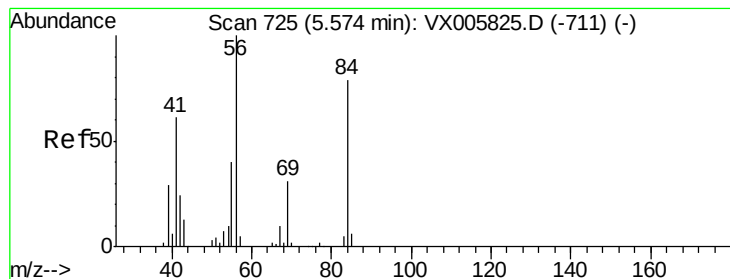
Tot Ion: 42 Resp: 359
Ion Ratio Lower Upper
42 100
72 0.0 32.0 48.0#
71 0.0 29.8 44.8#



#30
Chloroform
Concen: 0.326 ug/l
RT: 5.21 min Scan# 666
Delta R.T. -0.00 min
Lab File: VX005905.D
Acq: 12 Nov 2018 17:21

Tgt Ion: 83 Resp: 706
Ion Ratio Lower Upper
83 100
85 70.1 50.6 76.0





#31

Cyclohexane

Concen: 1.098 ug/l

RT: 5.65 min Scan# 738

Delta R.T. 0.08 min

Lab File: VX005905.D

Acq: 12 Nov 2018 17:21

Instrument :

MSVOA_X

ClientSampled :

TP-3-S

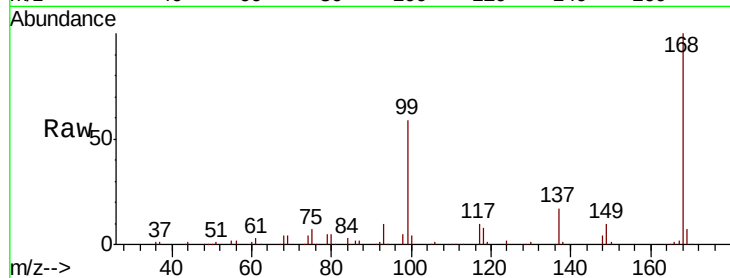
Tot Ion: 56 Resp: 2138

Ion Ratio Lower Upper

56 100

69 158.7 22.6 34.0#

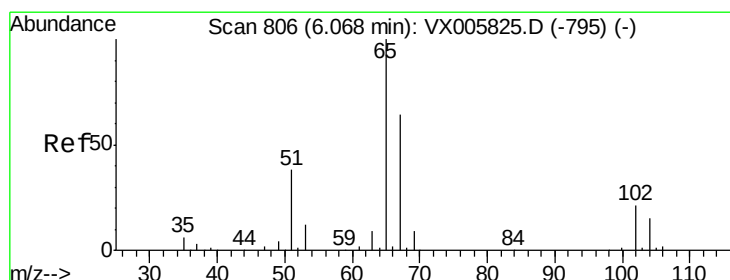
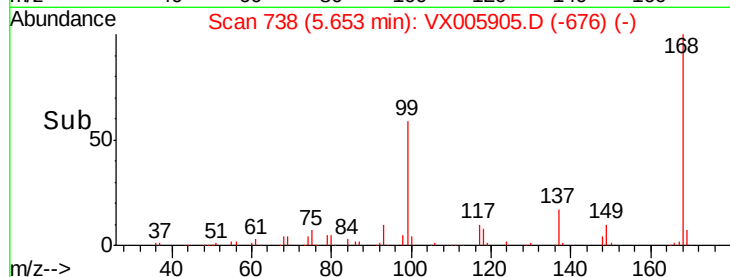
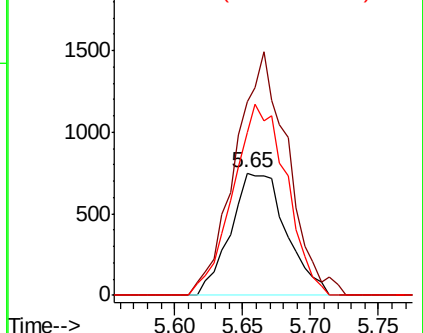
84 133.0 62.7 94.1#



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: 49.328 ug/l

RT: 6.07 min Scan# 806

Delta R.T. 0.00 min

Lab File: VX005905.D

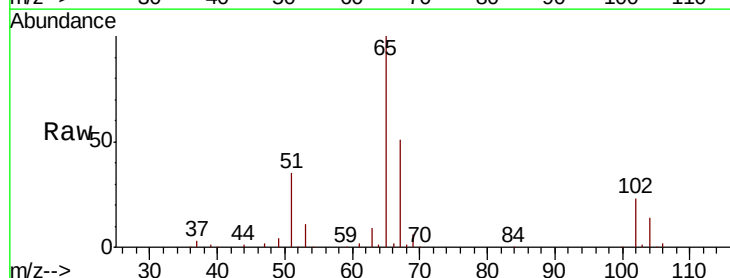
Acq: 12 Nov 2018 17:21

Tgt Ion: 65 Resp: 68960

Ion Ratio Lower Upper

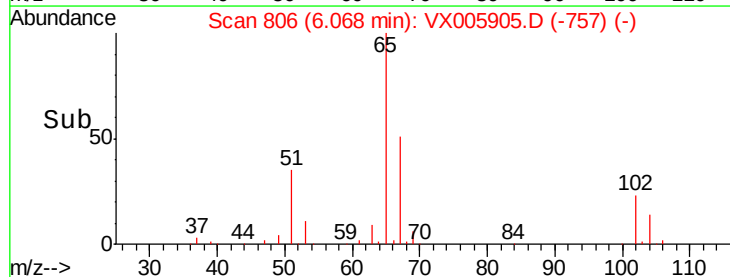
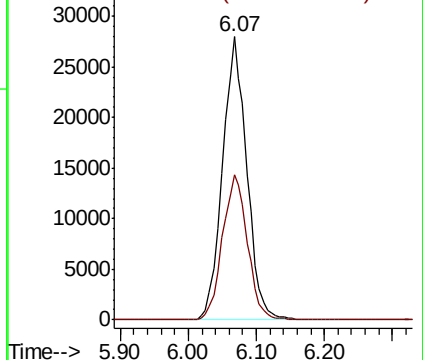
65 100

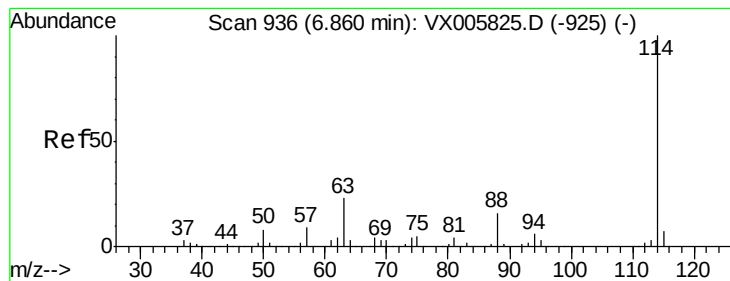
67 52.7 0.0 105.0



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. -0.00 min

Lab File: VX005905.D

Acq: 12 Nov 2018 17:21

Instrument :

MSVOA_X

ClientSampleId :

TP-3-S

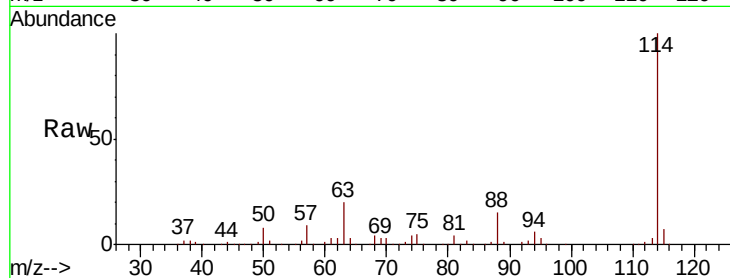
Tot Ion:114 Resp: 165332

Ion Ratio Lower Upper

114 100

63 20.3 0.0 42.8

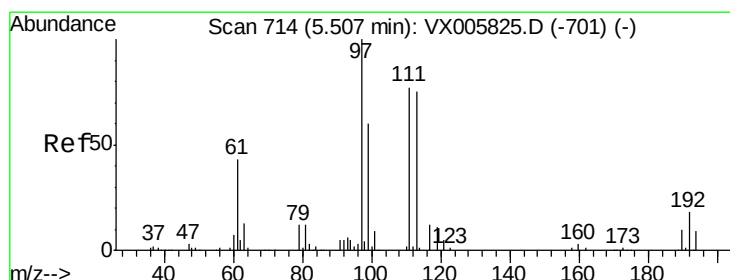
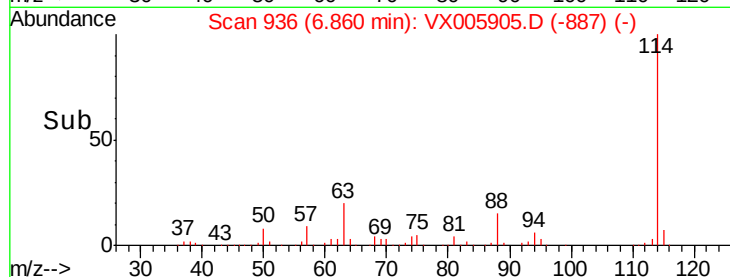
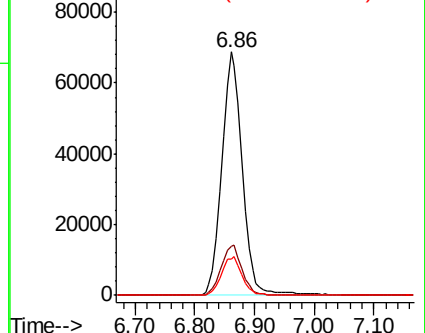
88 14.9 0.0 31.2



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: 50.986 ug/l

RT: 5.50 min Scan# 713

Delta R.T. -0.01 min

Lab File: VX005905.D

Acq: 12 Nov 2018 17:21

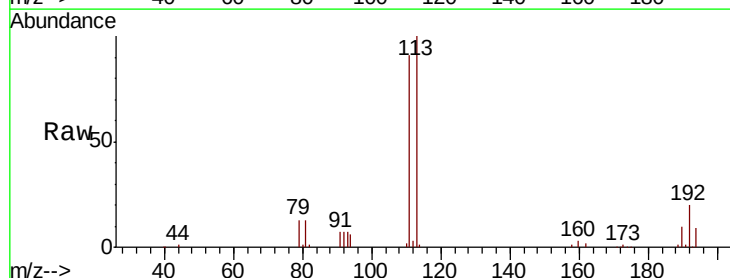
Tgt Ion:113 Resp: 57334

Ion Ratio Lower Upper

113 100

111 101.6 82.3 123.5

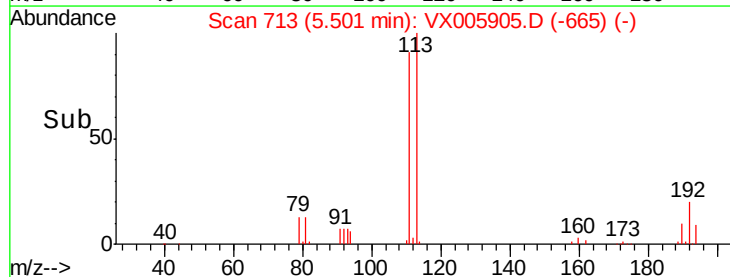
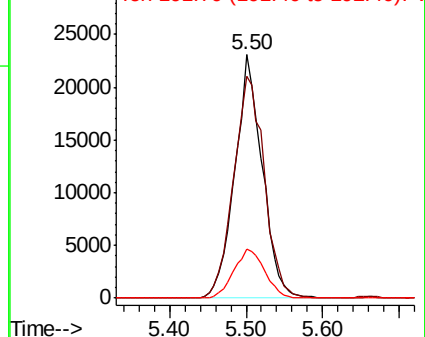
192 22.8 17.9 26.9

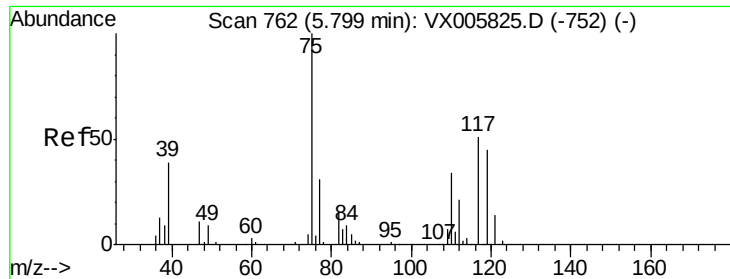


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

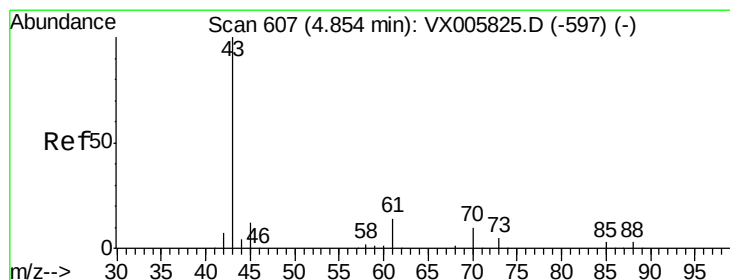
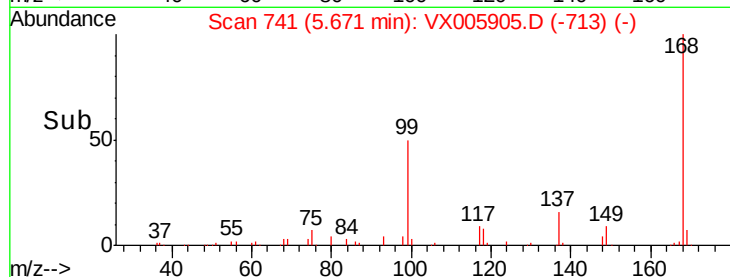
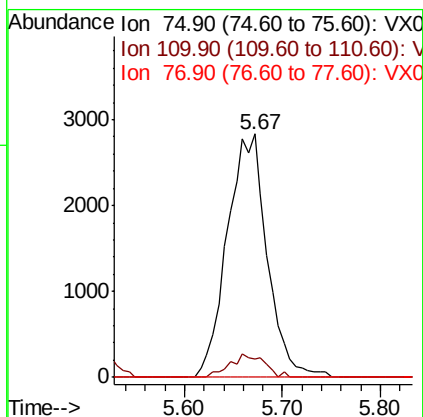
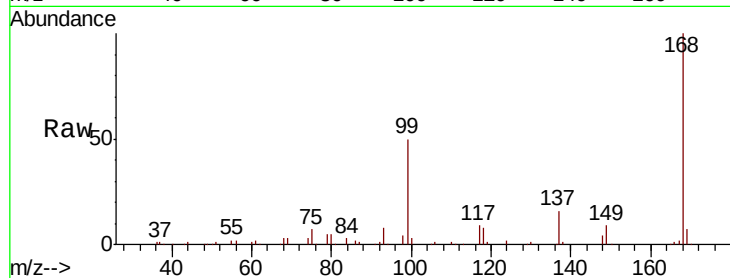




#36
 1,1-Dichloropropene
 Concen: 5.035 ug/l
 RT: 5.67 min Scan# 741
 Delta R.T. -0.13 min
 Lab File: VX005905.D
 Acq: 12 Nov 2018 17:21

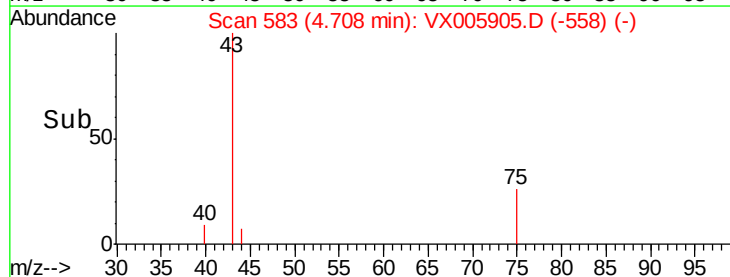
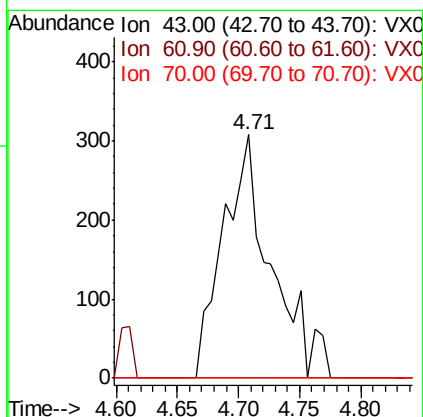
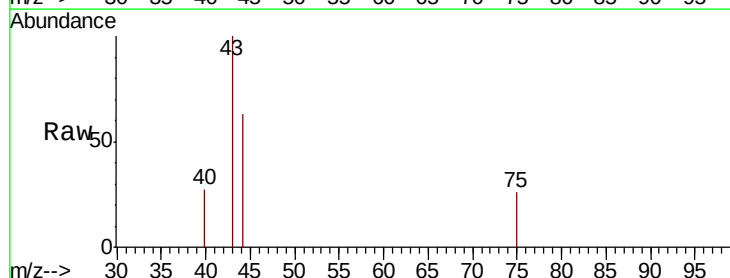
Instrument :
 MSVOA_X
 ClientSampled :
 TP-3-S

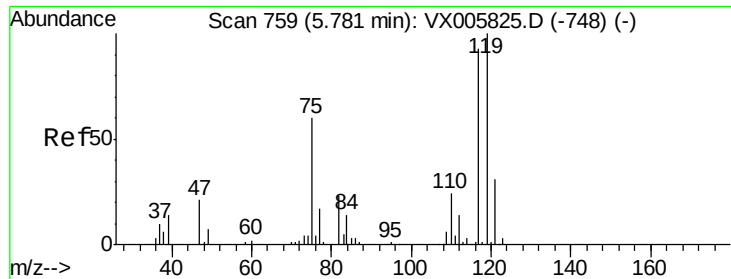
Tot Ion	Ratio	Lower	Upper
75	100		
110	8.1	17.4	52.2#
77	0.0	25.8	38.6#



#37
 Ethyl Acetate
 Concen: 0.403 ug/l
 RT: 4.71 min Scan# 583
 Delta R.T. -0.15 min
 Lab File: VX005905.D
 Acq: 12 Nov 2018 17:21

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





#38

Carbon Tetrachloride

Concen: 6.495 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.12 min

Lab File: VX005905.D

Acq: 12 Nov 2018 17:21

Instrument :

MSVOA_X

ClientSampled :

TP-3-S

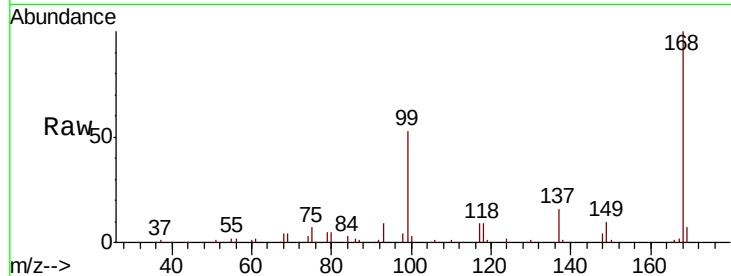
Tot Ion:117 Resp: 10363

Ion Ratio Lower Upper

117 100

119 5.8 78.1 117.1#

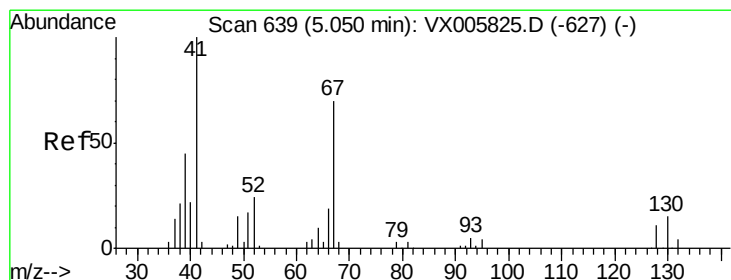
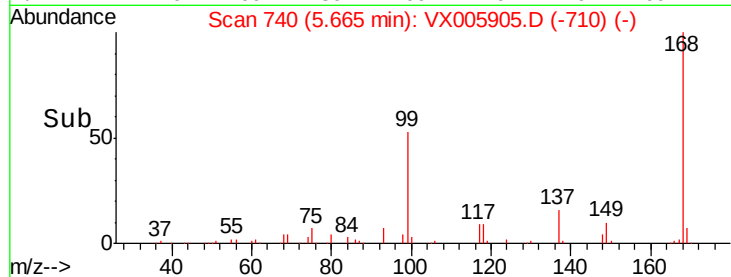
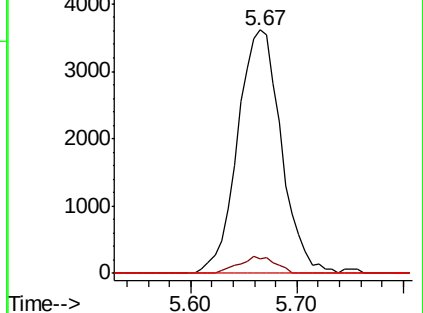
121 0.0 24.6 36.8#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#41

Methacrylonitrile

Concen: 0.251 ug/l

RT: 5.16 min Scan# 657

Delta R.T. 0.11 min

Lab File: VX005905.D

Acq: 12 Nov 2018 17:21

Tgt Ion: 41 Resp: 284

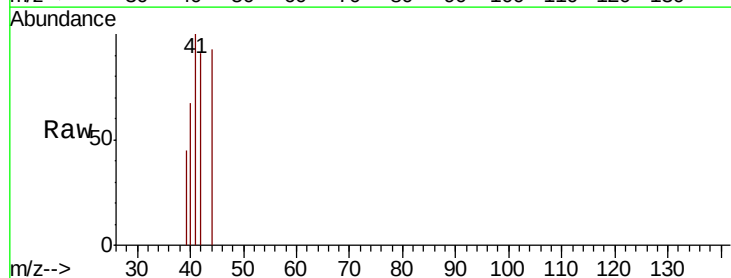
Ion Ratio Lower Upper

41 100

39 7.4 42.2 63.2#

67 0.0 53.4 80.0#

52 0.0 23.4 35.2#

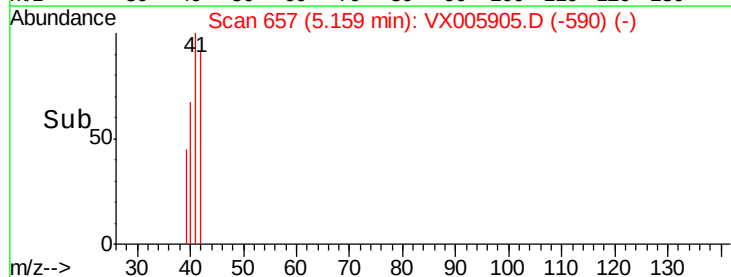
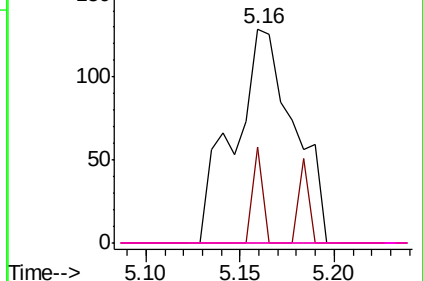


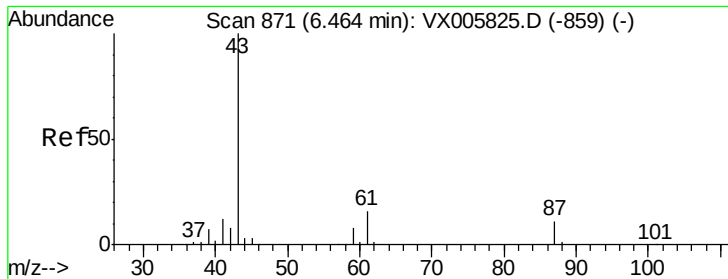
Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 67.00 (66.70 to 67.70): VX0

Ion 52.00 (51.70 to 52.70): VX0

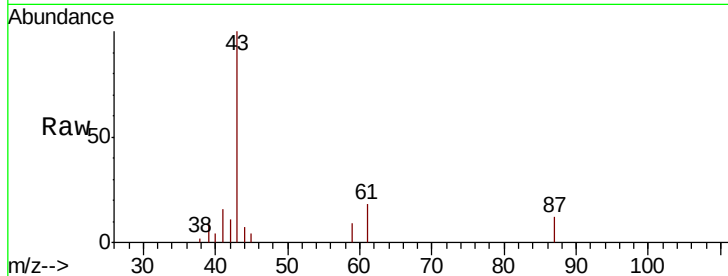




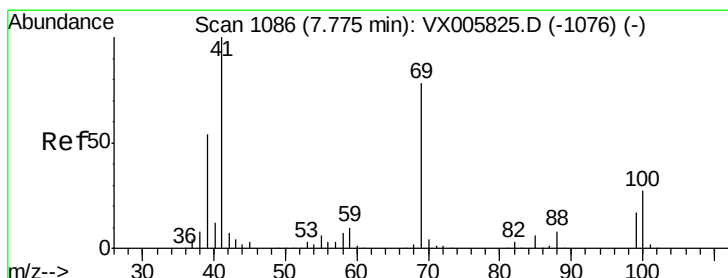
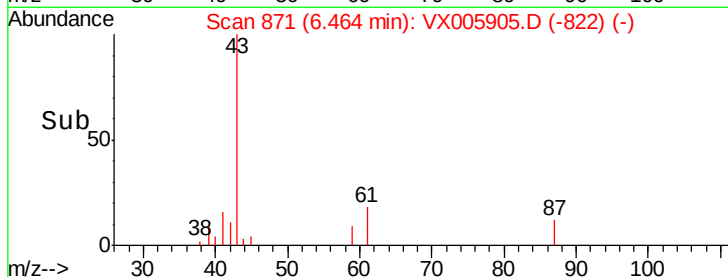
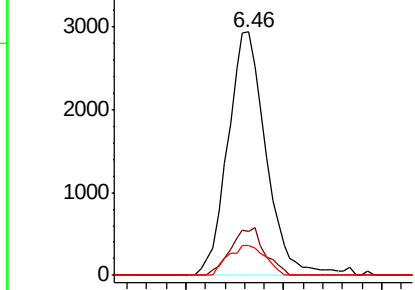
#43
Isopropyl Acetate
Concen: 2.620 ug/l
RT: 6.46 min Scan# 871
Delta R.T. -0.00 min
Lab File: VX005905.D
Acq: 12 Nov 2018 17:21

Instrument :
MSVOA_X
ClientSampleId :
TP-3-S

Tot Ion: 43 Resp: 7958
Ion Ratio Lower Upper
43 100
61 17.4 14.6 22.0
87 12.0 9.6 14.4

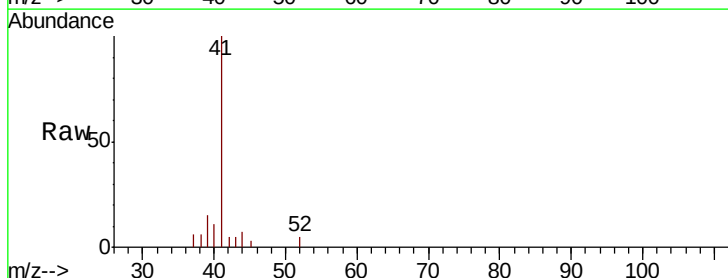


Abundance Ion 43.00 (42.70 to 43.70): VX0
Ion 61.00 (60.70 to 61.70): VX0
Ion 87.00 (86.70 to 87.70): VX0

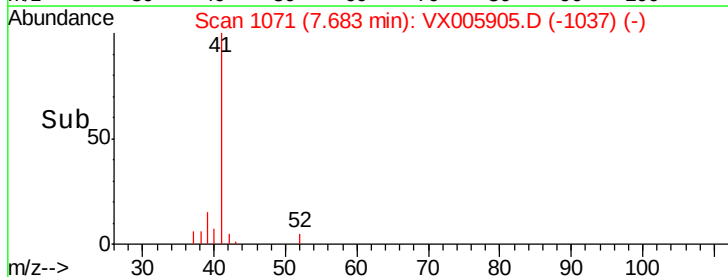
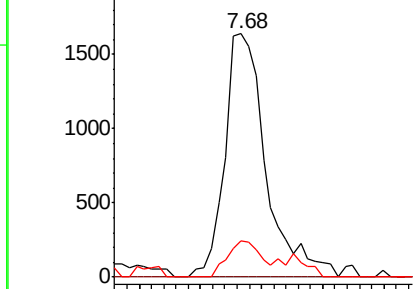


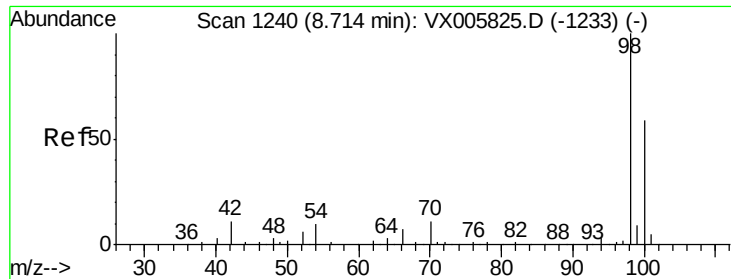
#48
Methyl methacrylate
Concen: 2.806 ug/l
RT: 7.68 min Scan# 1071
Delta R.T. -0.09 min
Lab File: VX005905.D
Acq: 12 Nov 2018 17:21

Tgt Ion: 41 Resp: 3827
Ion Ratio Lower Upper
41 100
69 0.0 63.2 94.8#
39 0.0 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

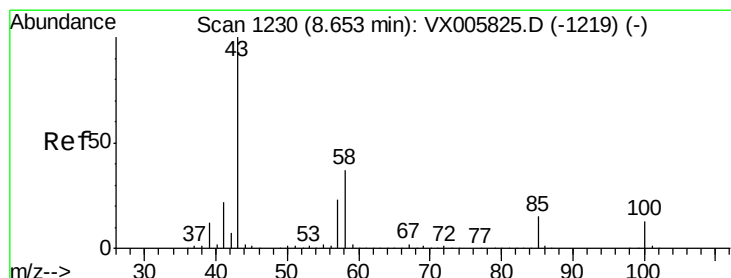
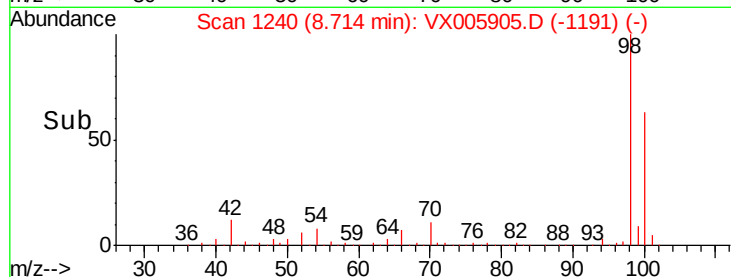
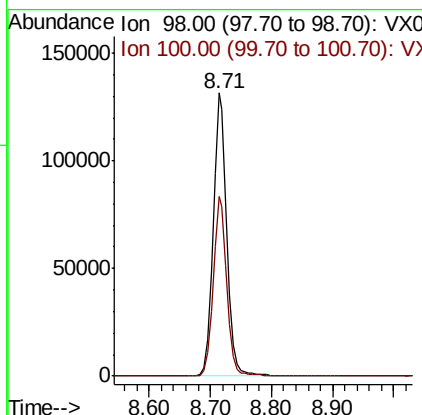
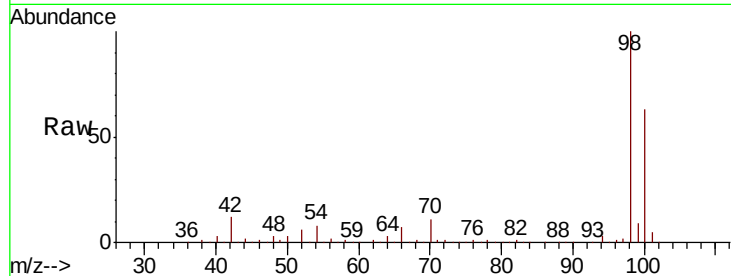




#50
Toluene-d8
Concen: 55.982 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX005905.D
Acq: 12 Nov 2018 17:21

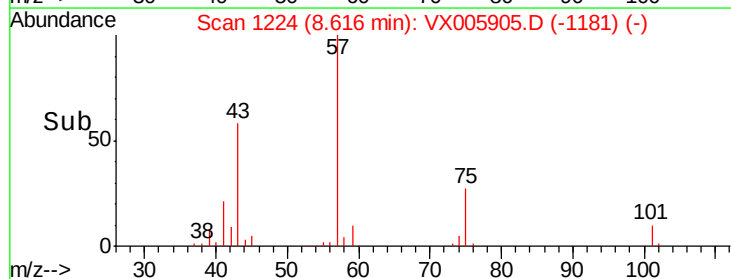
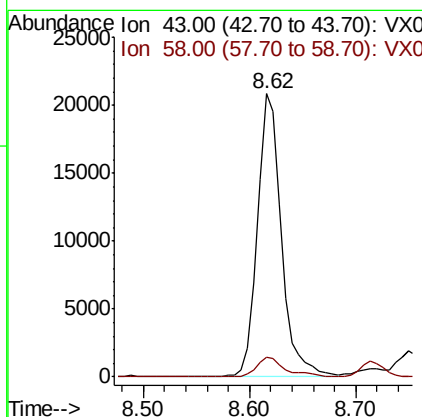
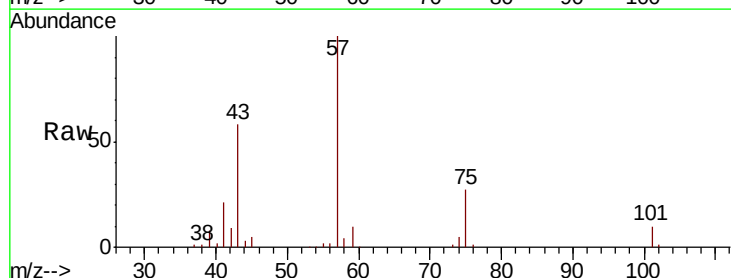
Instrument :
MSVOA_X
ClientSampled :
TP-3-S

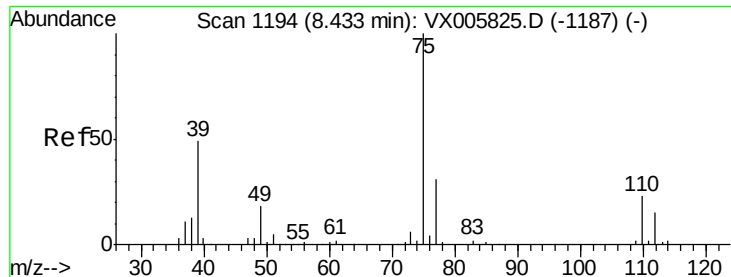
Tot Ion: 98 Resp: 209290
Ion Ratio Lower Upper
98 100
100 63.2 51.3 76.9



#51
4-Methyl-2-Pentanone
Concen: 17.292 ug/l
RT: 8.62 min Scan# 1224
Delta R.T. -0.04 min
Lab File: VX005905.D
Acq: 12 Nov 2018 17:21

Tgt Ion: 43 Resp: 33097
Ion Ratio Lower Upper
43 100
58 7.9 29.7 44.5#



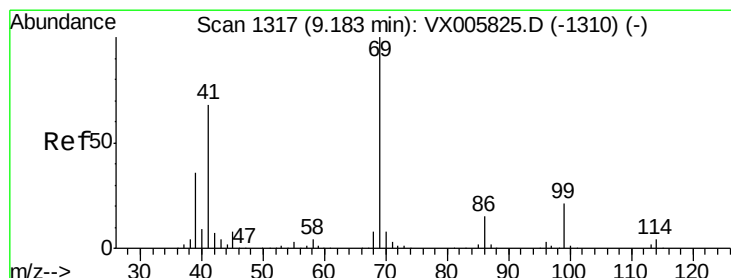
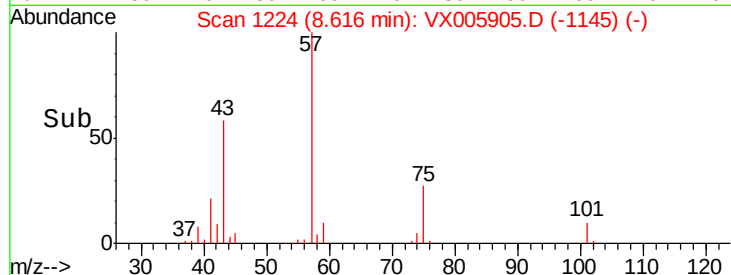
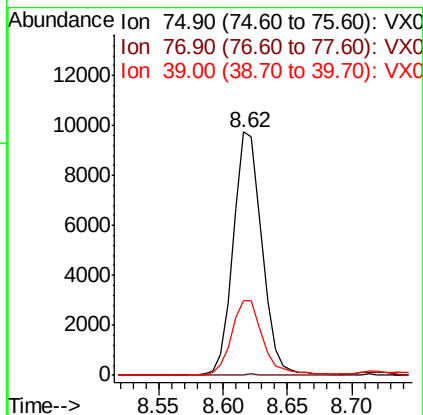
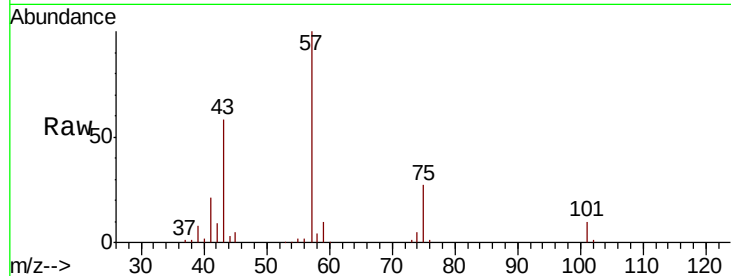


#54

cis-1,3-Dichloropropene
 Concen: 9.420 ug/l
 RT: 8.62 min Scan# 1224
 Delta R.T. 0.18 min
 Lab File: VX005905.D
 Acq: 12 Nov 2018 17:21

Instrument :
 MSVOA_X
 ClientSampled :
 TP-3-S

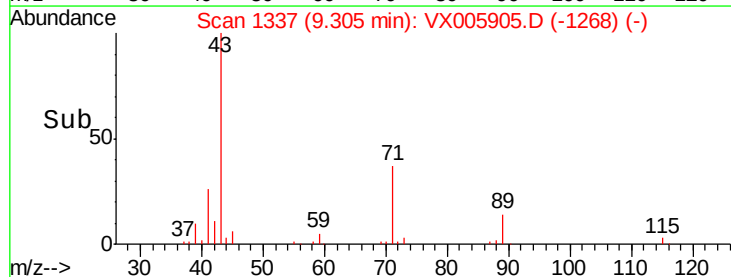
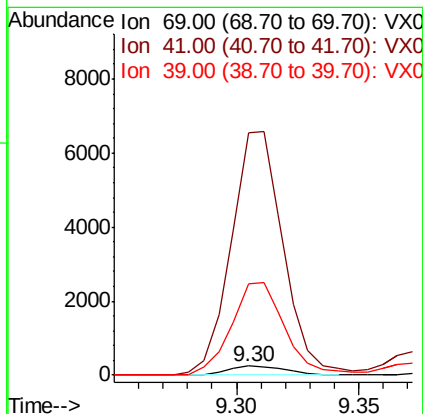
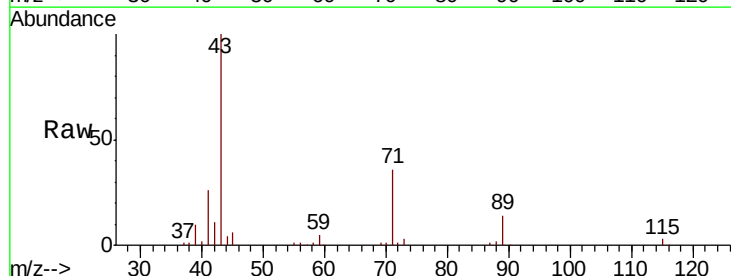
Tot Ion: 75 Resp: 15154
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.2 37.8#
 39 30.5 38.2 57.2#

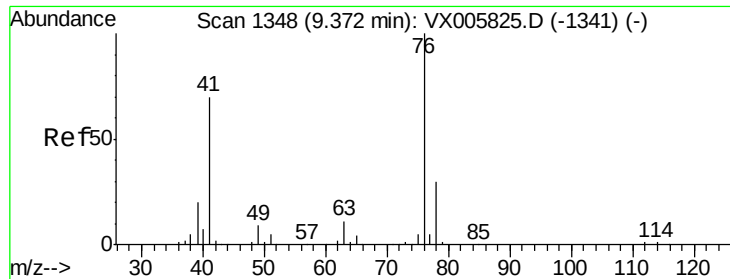


#56

Ethyl methacrylate
 Concen: 0.235 ug/l
 RT: 9.30 min Scan# 1337
 Delta R.T. 0.12 min
 Lab File: VX005905.D
 Acq: 12 Nov 2018 17:21

Tgt Ion: 69 Resp: 407
 Ion Ratio Lower Upper
 69 100
 41 2395.3 57.0 85.6#
 39 934.6 28.3 42.5#

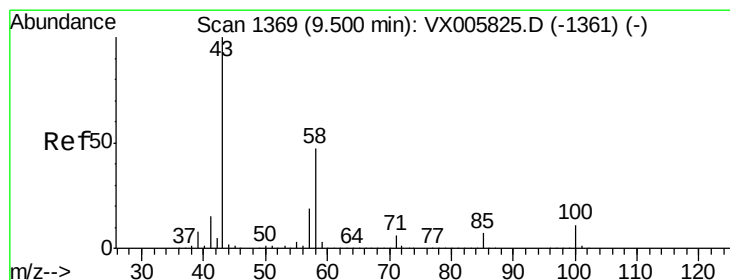
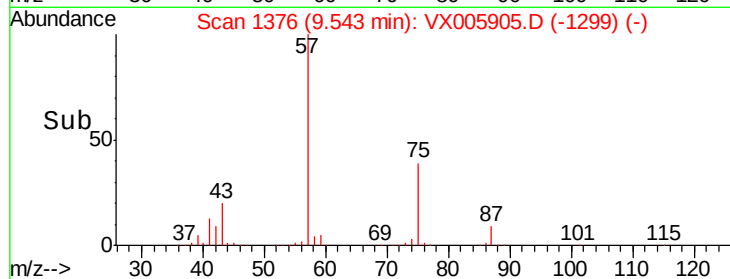
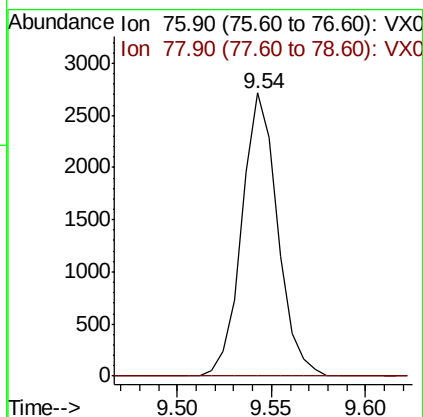
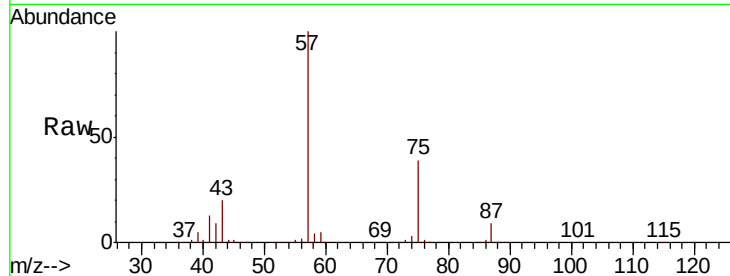




#57
 1,3-Dichloropropane
 Concen: 1.837 ug/l
 RT: 9.54 min Scan# 1376
 Delta R.T. 0.17 min
 Lab File: VX005905.D
 Acq: 12 Nov 2018 17:21

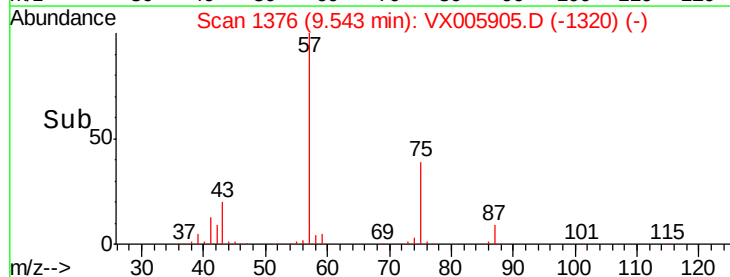
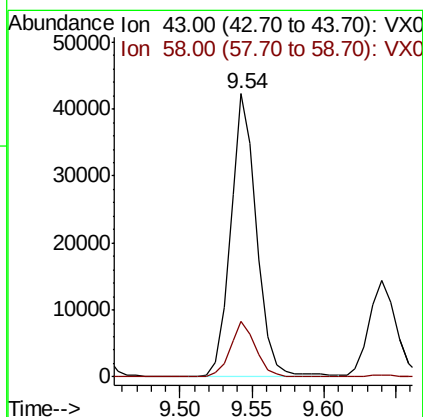
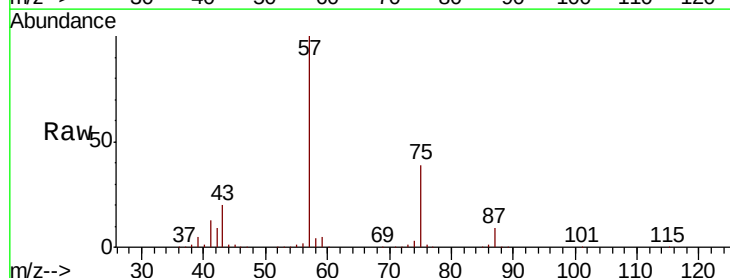
Instrument :
 MSVOA_X
 ClientSampled :
 TP-3-S

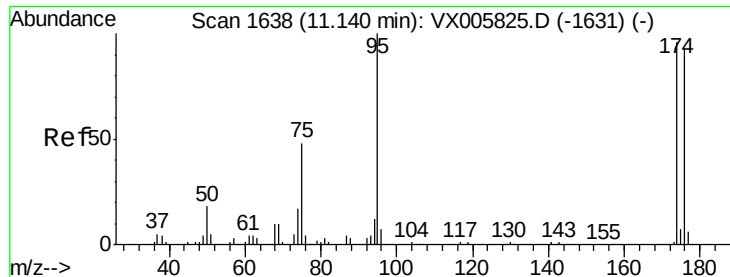
Tot Ion: 76 Resp: 3572
 Ion Ratio Lower Upper
 76 100
 78 0.0 25.3 37.9#



#59
 2-Hexanone
 Concen: 31.372 ug/l
 RT: 9.54 min Scan# 1376
 Delta R.T. 0.04 min
 Lab File: VX005905.D
 Acq: 12 Nov 2018 17:21

Tgt Ion: 43 Resp: 52929
 Ion Ratio Lower Upper
 43 100
 58 19.5 25.9 77.8#

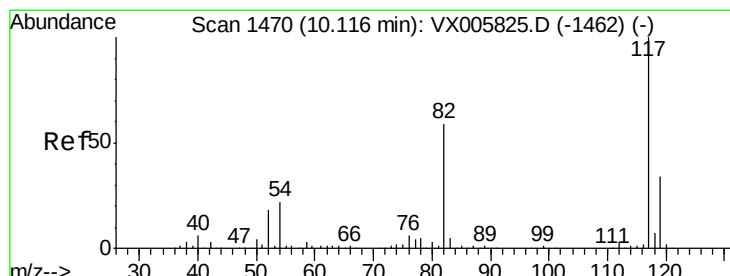
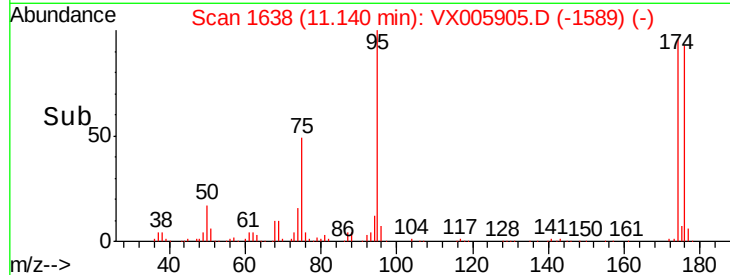
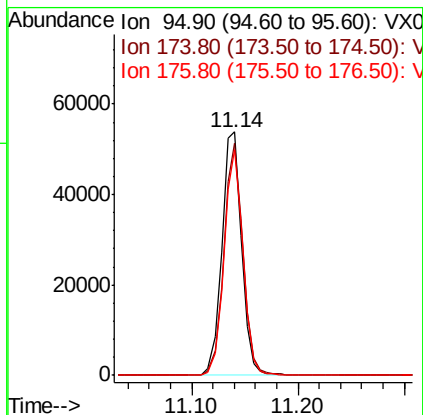
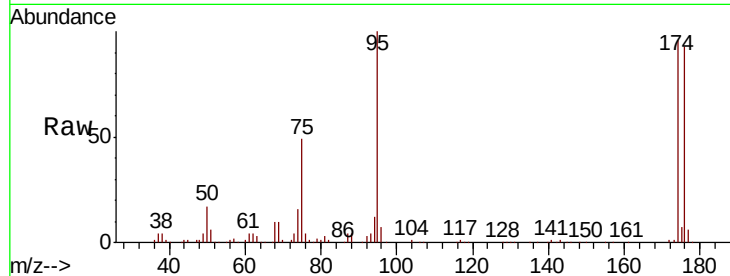




#62
4-Bromofluorobenzene
Concen: 52.075 ug/l
RT: 11.14 min Scan# 1638
Delta R.T. -0.00 min
Lab File: VX005905.D
Acq: 12 Nov 2018 17:21

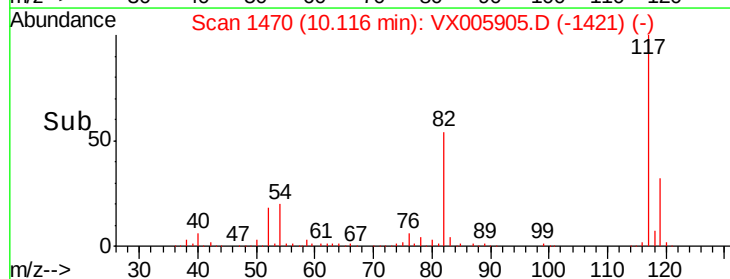
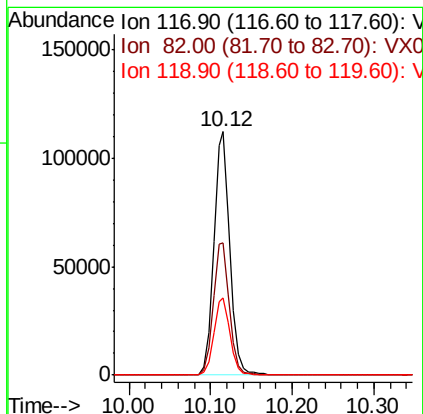
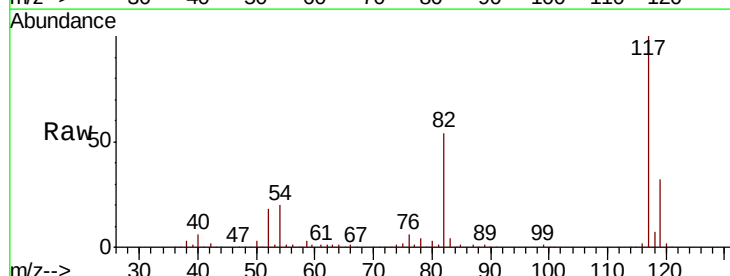
Instrument :
MSVOA_X
ClientSampleId :
TP-3-S

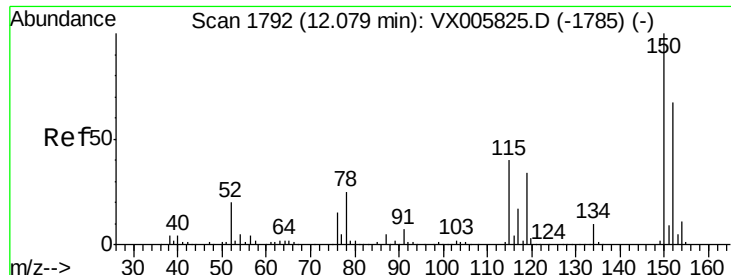
Tot Ion: 95 Resp: 69996
Ion Ratio Lower Upper
95 100
174 91.8 0.0 184.4
176 88.5 0.0 177.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. -0.00 min
Lab File: VX005905.D
Acq: 12 Nov 2018 17:21

Tgt Ion: 117 Resp: 156063
Ion Ratio Lower Upper
117 100
82 54.1 44.1 66.1
119 31.9 26.2 39.2





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX005905.D

Acq: 12 Nov 2018 17:21

Instrument :

MSVOA_X

ClientSampleId :

TP-3-S

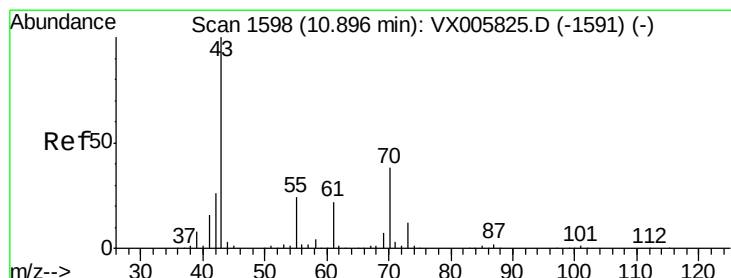
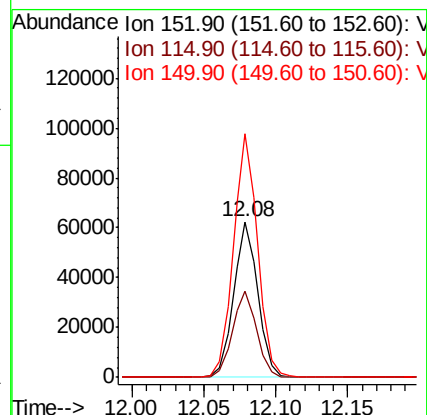
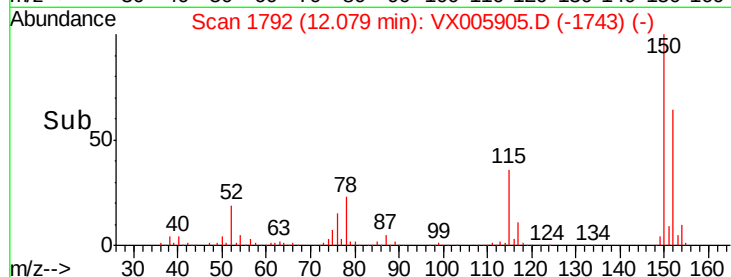
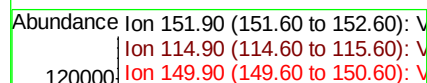
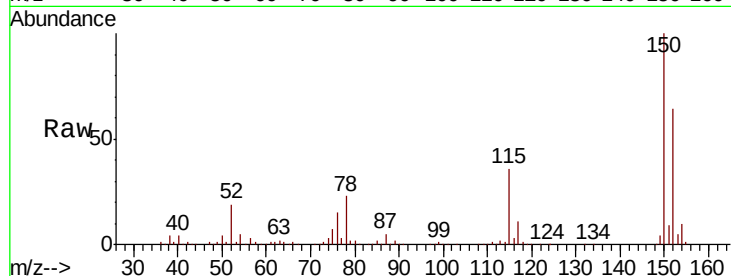
Tot Ion:152 Resp: 73337

Ion Ratio Lower Upper

152 100

115 55.8 39.4 118.1

150 156.8 0.0 346.4



#74

N-ethyl acetate

Concen: 3.119 ug/l

RT: 10.69 min Scan# 1565

Delta R.T. -0.20 min

Lab File: VX005905.D

Acq: 12 Nov 2018 17:21

Tgt Ion: 43 Resp: 4560

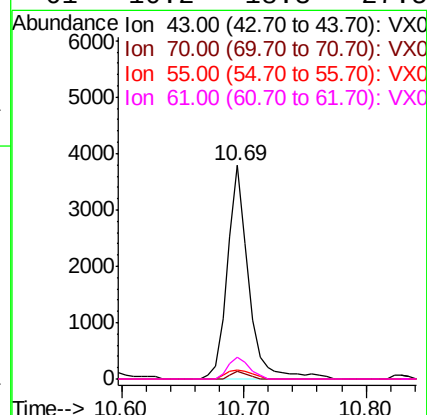
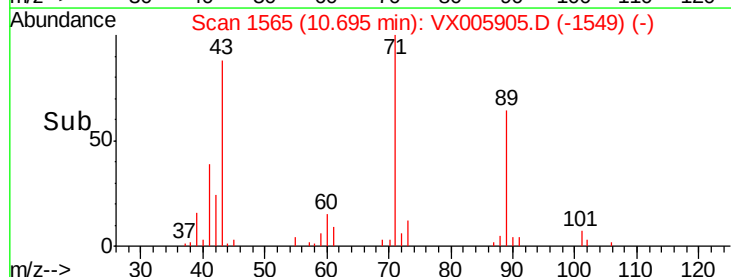
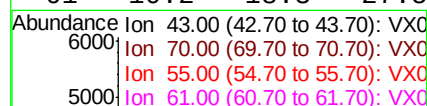
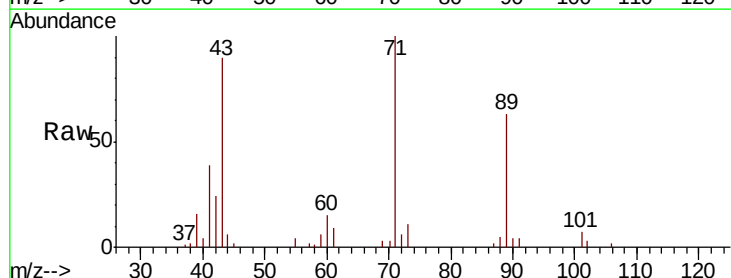
Ion Ratio Lower Upper

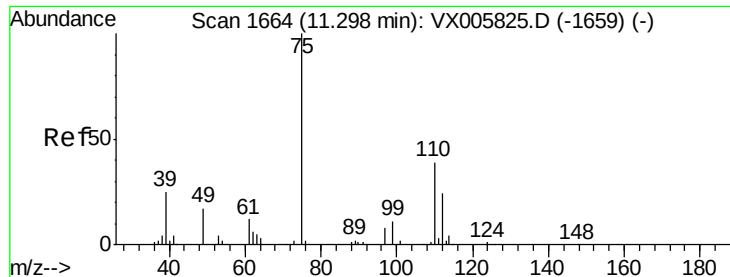
43 100

70 2.7 31.6 47.4#

55 5.4 19.7 29.5#

61 10.2 18.3 27.5#





#76

1,2,3-Trichloropropane

Concen: 23.508 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX005905.D

Acq: 12 Nov 2018 17:21

Instrument :

MSVOA_X

ClientSampled :

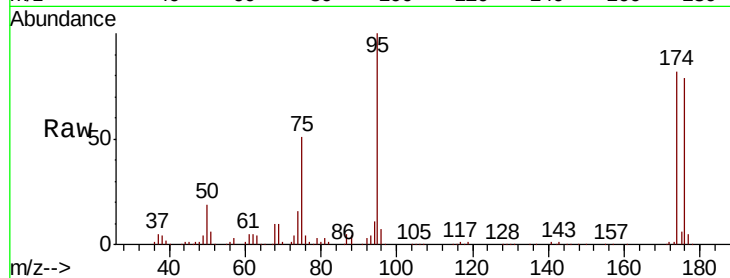
TP-3-S

Tot Ion: 75 Resp: 35104

Ion Ratio Lower Upper

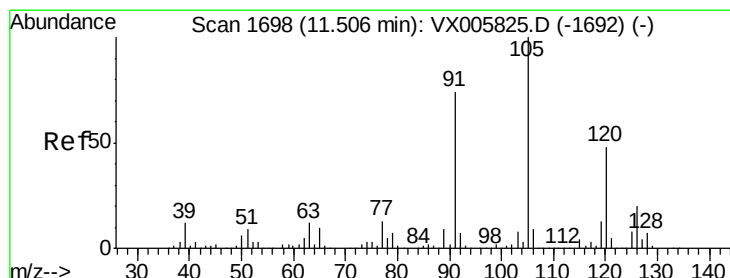
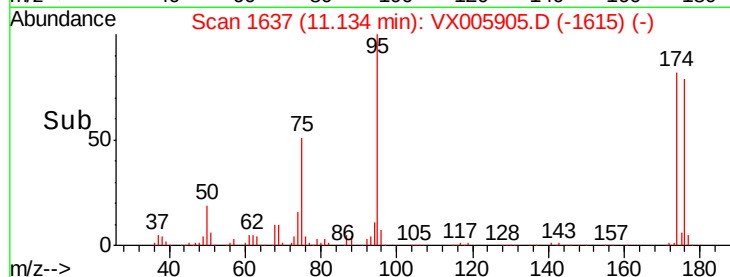
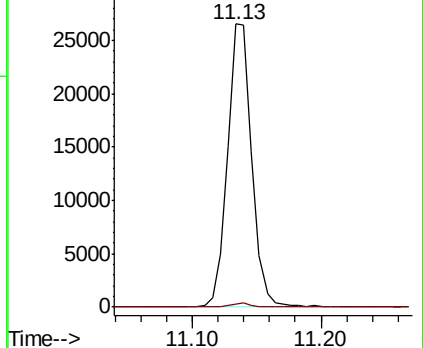
75 100

77 1.2 20.5 61.6#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0



#80

1,3,5-Trimethylbenzene

Concen: 0.218 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX005905.D

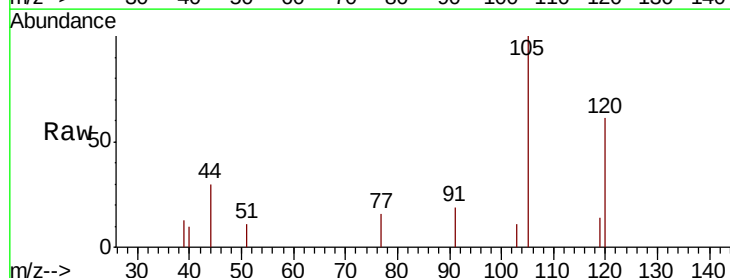
Acq: 12 Nov 2018 17:21

Tgt Ion: 105 Resp: 787

Ion Ratio Lower Upper

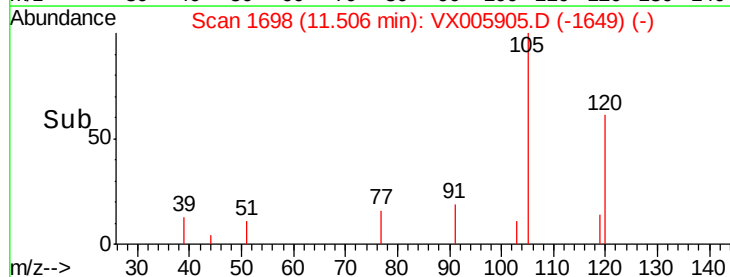
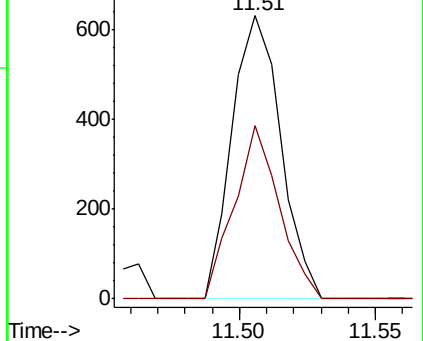
105 100

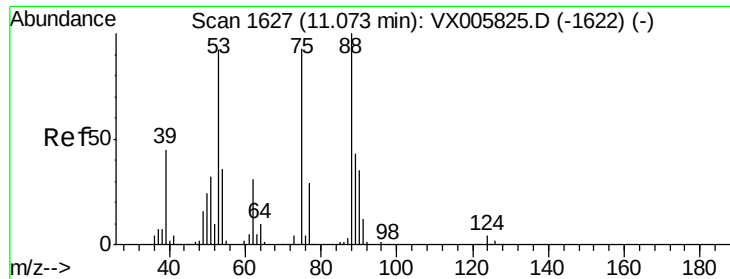
120 56.3 24.1 72.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

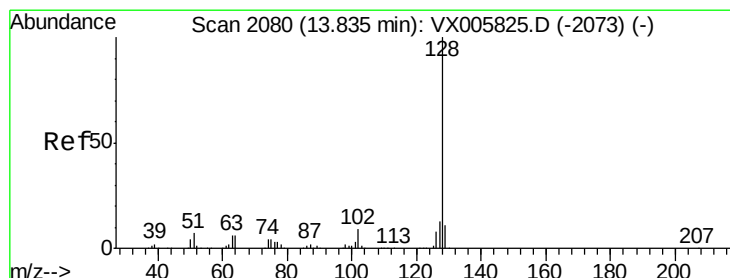
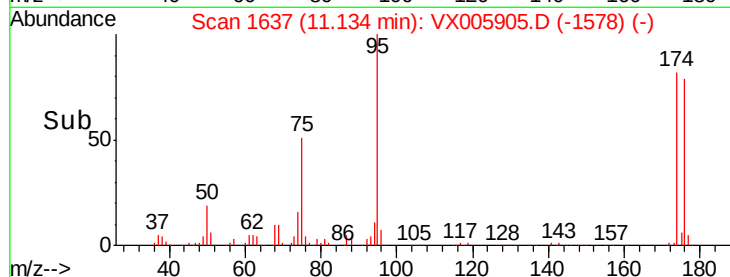
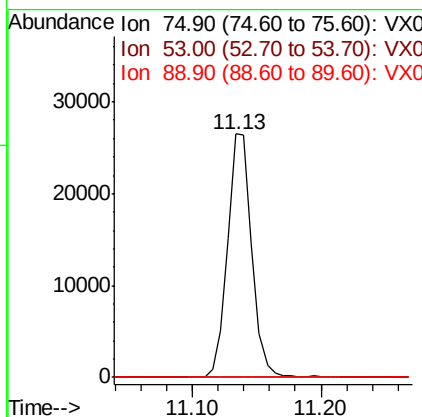
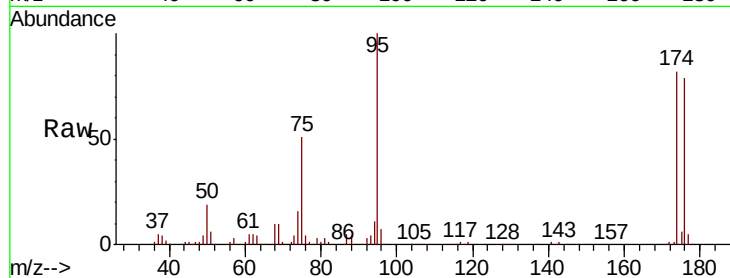




#81
trans-1,4-Dichloro-2-butene
Concen: 74.923 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. 0.06 min
Lab File: VX005905.D
Acq: 12 Nov 2018 17:21

Instrument :
MSVOA_X
ClientSampleId :
TP-3-S

Tot Ion: 75 Resp: 35104
Ion Ratio Lower Upper
75 100
53 0.1 80.2 120.2#
89 0.0 39.8 59.8#



#95
Naphthalene
Concen: 3.015 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. 0.00 min
Lab File: VX005905.D
Acq: 12 Nov 2018 17:21

Tgt Ion: 128 Resp: 9927
Ion Ratio Lower Upper
128 100
127 13.7 10.4 15.6
129 10.9 8.7 13.1

