

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX111418\
 Data File : VX005987.D
 Acq On : 14 Nov 2018 21:01
 Operator : JC/MD
 Sample : J5925-04
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TP-1S

Quant Time: Nov 15 00:27:22 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	124259	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	177753	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	162066	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	76576	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.06	65	69645	48.75	ug/l	0.00
Spiked Amount			Recovery	=	97.50%	
35) Dibromofluoromethane	5.50	113	56468	46.71	ug/l	0.00
Spiked Amount			Recovery	=	93.42%	
50) Toluene-d8	8.71	98	215710	53.67	ug/l	0.00
Spiked Amount			Recovery	=	107.34%	
62) 4-Bromofluorobenzene	11.14	95	73949	51.17	ug/l	0.00
Spiked Amount			Recovery	=	102.34%	

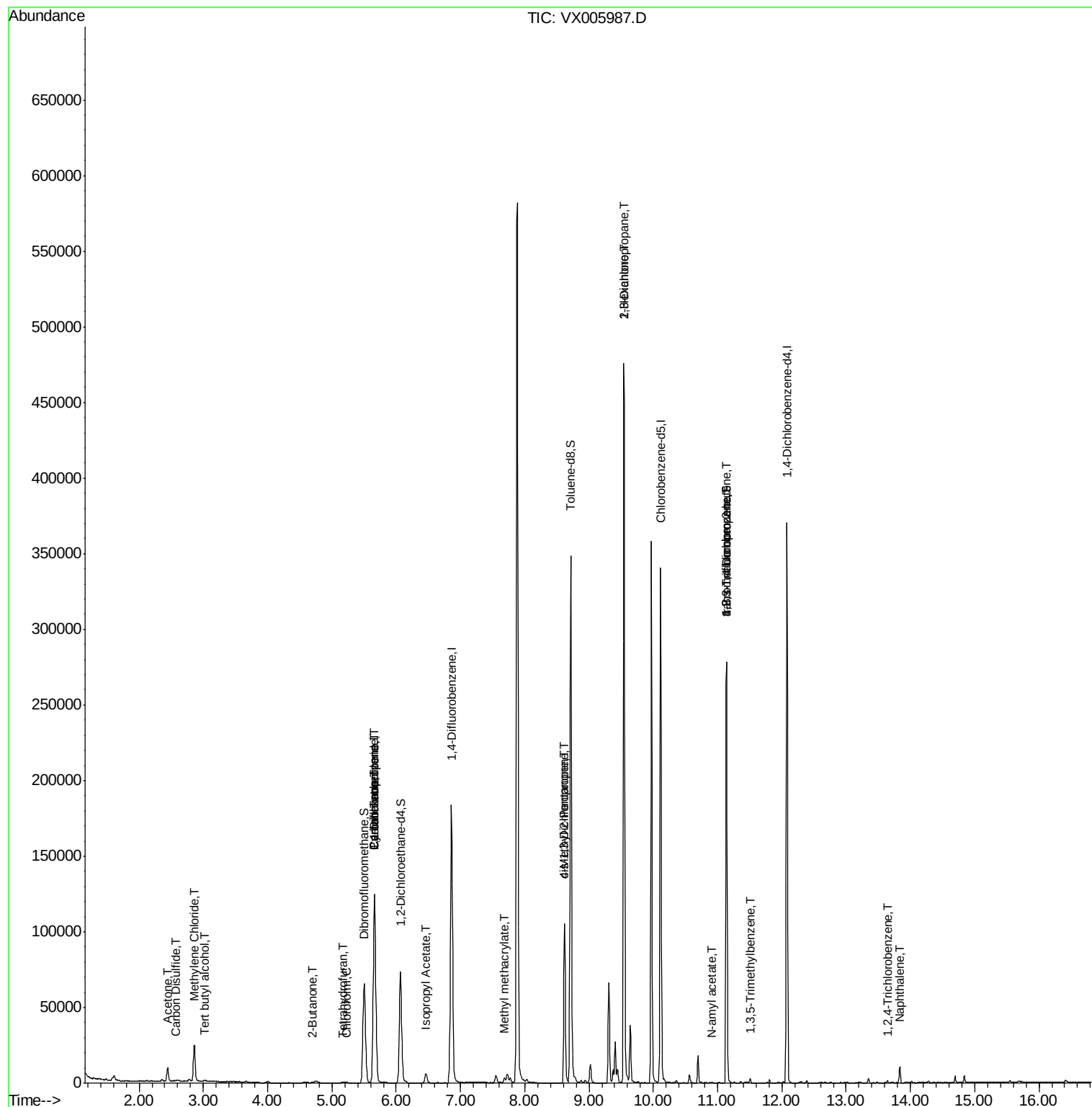
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	3.03	59	726	1.774	ug/l #	72
16) Acetone	2.45	43	8974	11.667	ug/l	95
17) Carbon Disulfide	2.57	76	660	0.201	ug/l #	83
18) Methyl Acetate	2.78	43	1890	Below Cal		96
20) Methylene Chloride	2.86	84	10966	8.679	ug/l	86
25) 2-Butanone	4.70	43	1132	0.936	ug/l	91
29) Tetrahydrofuran	5.17	42	391	0.504	ug/l #	58
30) Chloroform	5.21	83	859	0.388	ug/l #	77
31) Cyclohexane	5.66	56	2176	1.093	ug/l #	1
36) 1,1-Dichloropropene	5.67	75	8297	4.842	ug/l #	50
38) Carbon Tetrachloride	5.66	117	11098	6.469	ug/l #	15
43) Isopropyl Acetate	6.46	43	8379	2.566	ug/l	98
48) Methyl methacrylate	7.68	41	4354	2.970	ug/l #	16
51) 4-Methyl-2-Pentanone	8.62	43	36369	17.673	ug/l #	51
54) cis-1,3-Dichloropropene	8.62	75	16566	9.578	ug/l #	63
57) 1,3-Dichloropropane	9.54	76	3947	1.888	ug/l #	43
59) 2-Hexanone	9.54	43	57868	31.902	ug/l #	54
74) N-amyl acetate	10.90	43	164	1.315	ug/l #	44
76) 1,2,3-Trichloropropane	11.13	75	36046	23.117	ug/l #	36
80) 1,3,5-Trimethylbenzene	11.51	105	1137	0.302	ug/l	96
81) trans-1,4-Dichloro-2-buten	11.13	75	36046	73.679	ug/l #	9
93) 1,2,4-Trichlorobenzene	13.65	180	394	0.233	ug/l	96
95) Naphthalene	13.83	128	6901	2.401	ug/l	99

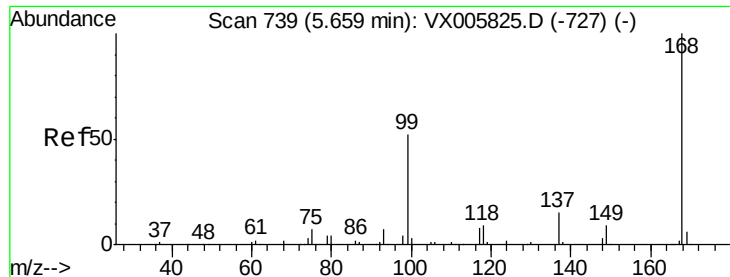
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX111418\
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Acq On : 14 Nov 2018 21:01
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Quant Time: Nov 15 00:27:22 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: VX005987.D

Acq: 14 Nov 2018 21:01

Instrument :

MSVOA_X

ClientSampled :

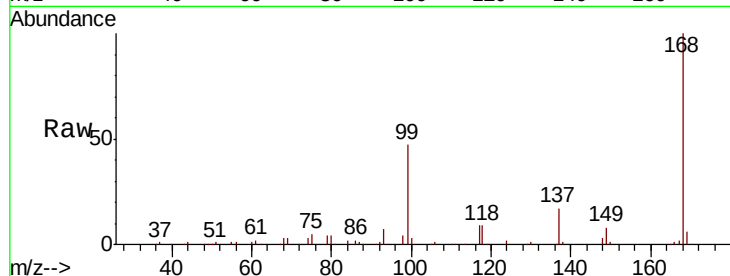
TP-1S

Tot Ion:168 Resp: 124259

Ion Ratio Lower Upper

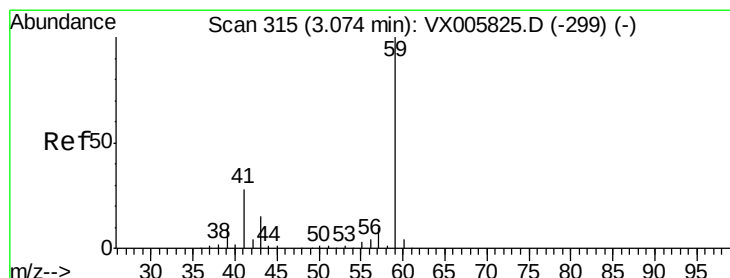
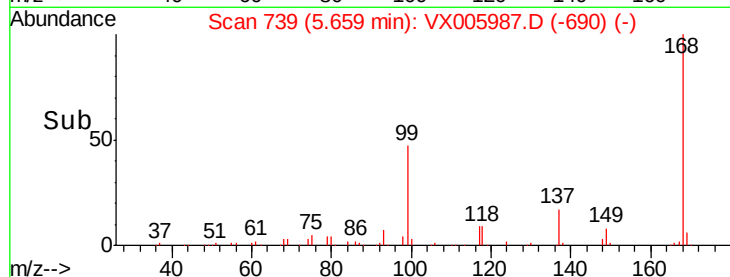
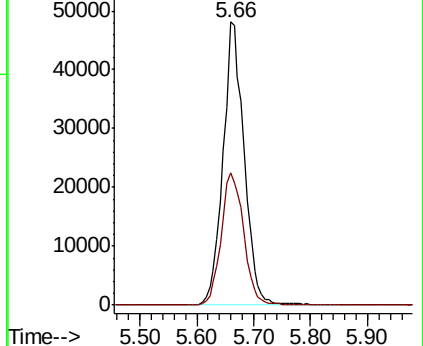
168 100

99 46.9 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: 1.774 ug/l

RT: 3.03 min Scan# 307

Delta R.T. -0.05 min

Lab File: VX005987.D

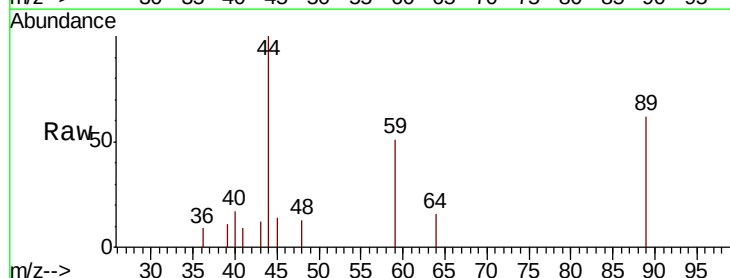
Acq: 14 Nov 2018 21:01

Tgt Ion: 59 Resp: 726

Ion Ratio Lower Upper

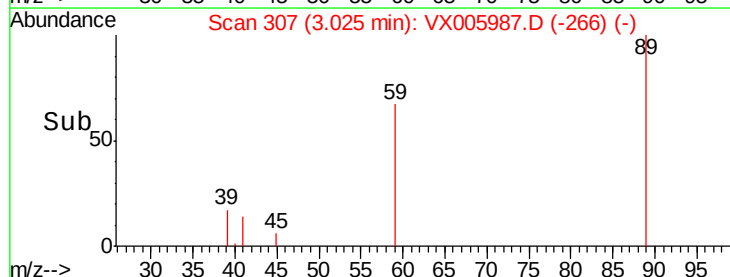
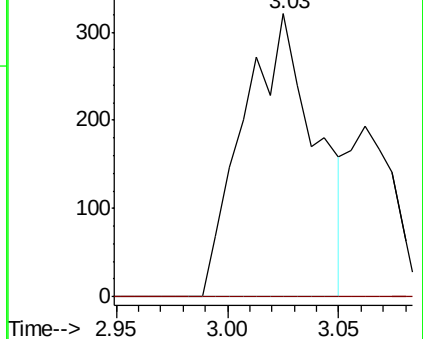
59 100

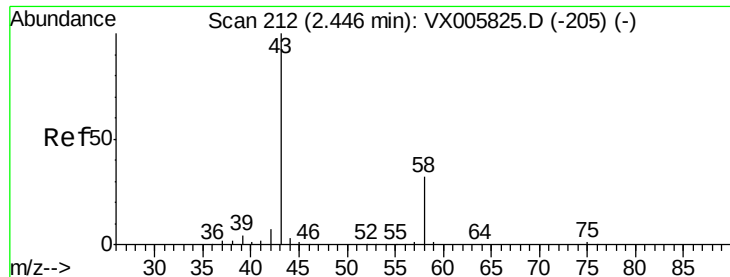
57 0.0 8.5 12.7#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0





#16

Acetone

Concen: 11.667 ug/l

RT: 2.45 min Scan# 212

Delta R.T. -0.00 min

Lab File: VX005987.D

Acq: 14 Nov 2018 21:01

Instrument :

MSVOA_X

ClientSampled :

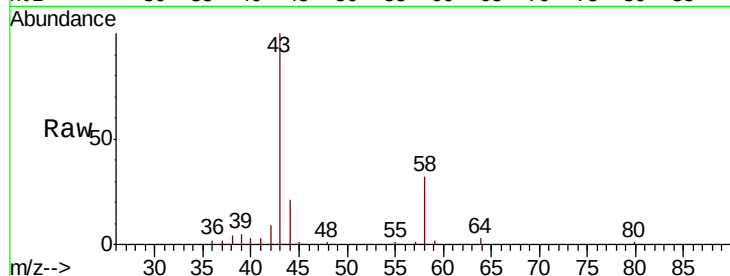
TP-1S

Tot Ion: 43 Resp: 8974

Ion Ratio Lower Upper

43 100

58 32.5 23.8 35.6



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

2.45

6000

5000

4000

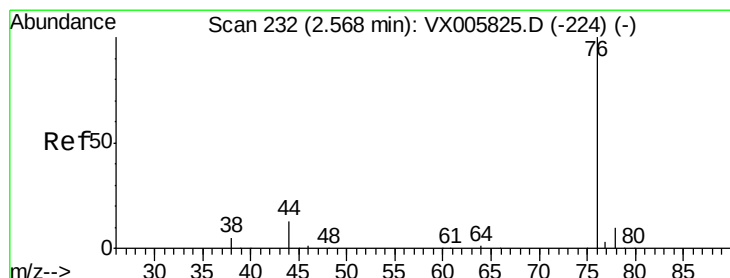
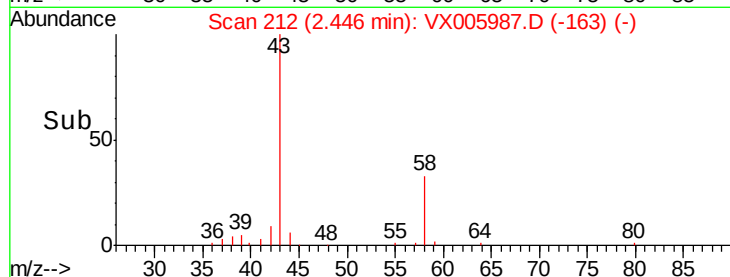
3000

2000

1000

0

Time--> 2.35 2.40 2.45 2.50 2.55



#17

Carbon Disulfide

Concen: 0.201 ug/l

RT: 2.57 min Scan# 233

Delta R.T. 0.01 min

Lab File: VX005987.D

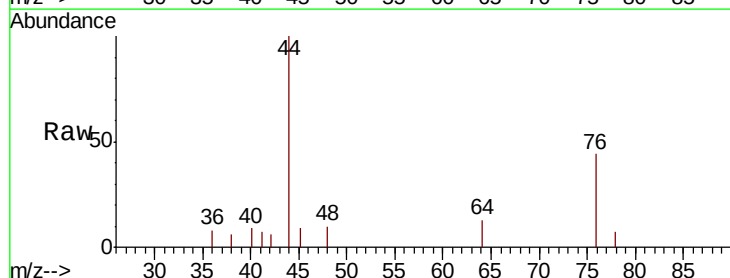
Acq: 14 Nov 2018 21:01

Tgt Ion: 76 Resp: 660

Ion Ratio Lower Upper

76 100

78 15.1 7.3 10.9#



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

2.57

400

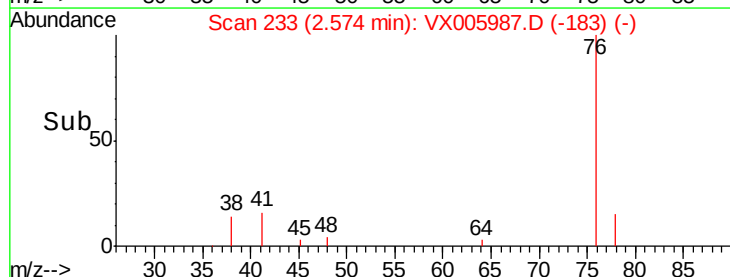
300

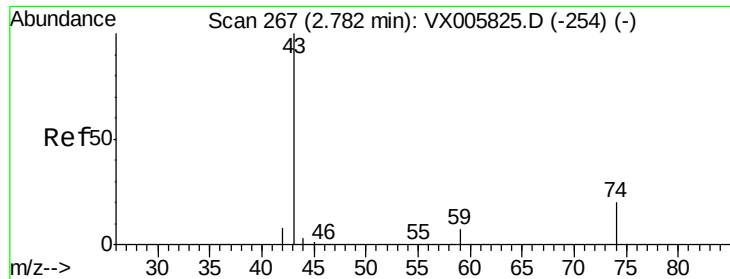
200

100

0

Time--> 2.50 2.55 2.60

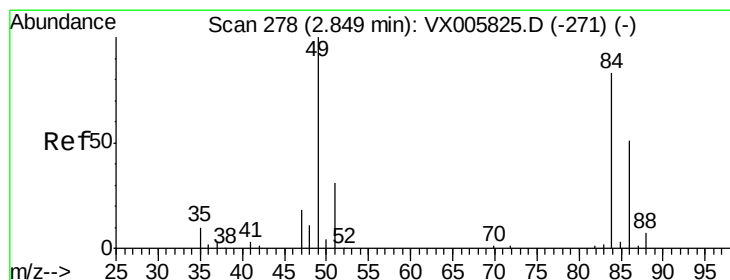
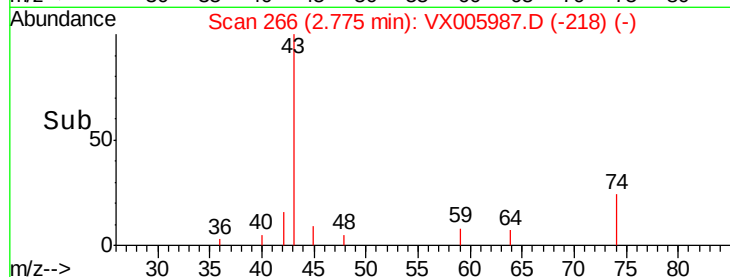
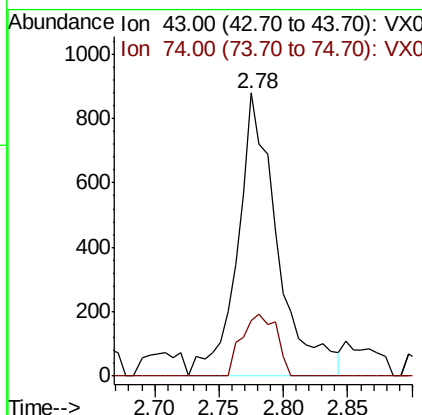
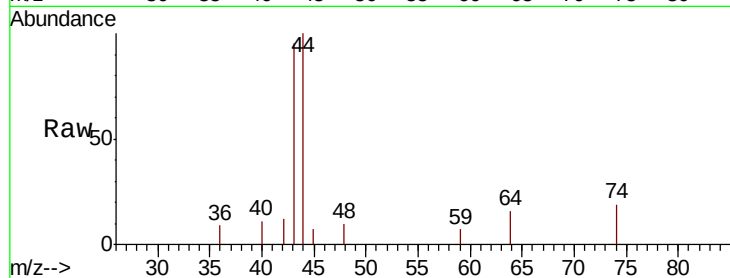




#18
Methyl Acetate
Concen: Below Cal
RT: 2.78 min Scan# 266
Delta R.T. -0.01 min
Lab File: VX005987.D
Acq: 14 Nov 2018 21:01

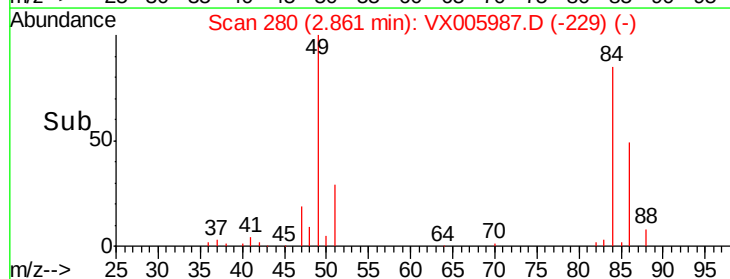
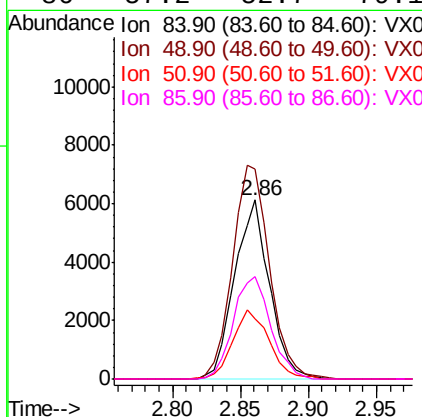
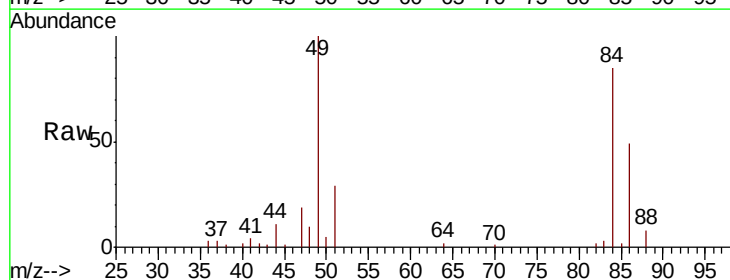
Instrument :
MSVOA_X
ClientSampled :
TP-1S

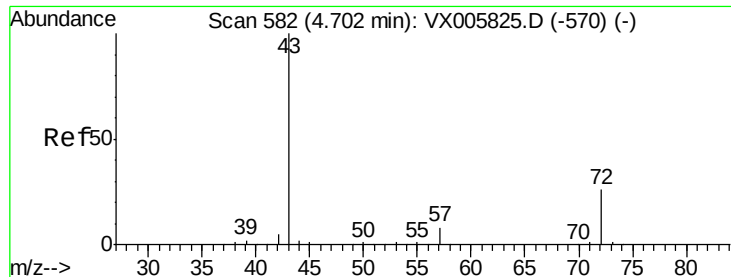
Tot Ion: 43 Resp: 1890
Ion Ratio Lower Upper
43 100
74 18.9 16.8 25.2



#20
Methylene Chloride
Concen: 8.679 ug/l
RT: 2.86 min Scan# 280
Delta R.T. 0.01 min
Lab File: VX005987.D
Acq: 14 Nov 2018 21:01

Tgt Ion: 84 Resp: 10966
Ion Ratio Lower Upper
84 100
49 117.6 109.5 164.3
51 33.9 33.3 49.9
86 57.2 52.7 79.1





#25

2-Butanone

Concen: 0.936 ug/l

RT: 4.70 min Scan# 581

Delta R.T. -0.01 min

Lab File: VX005987.D

Acq: 14 Nov 2018 21:01

Instrument :

MSVOA_X

ClientSampled :

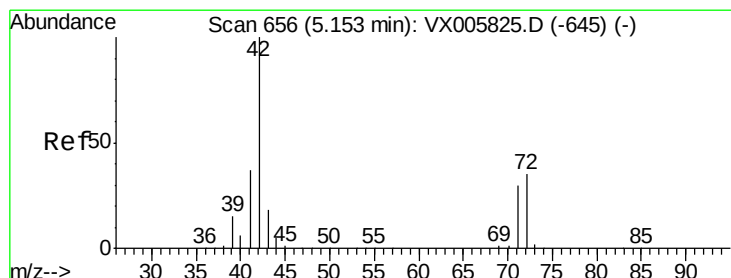
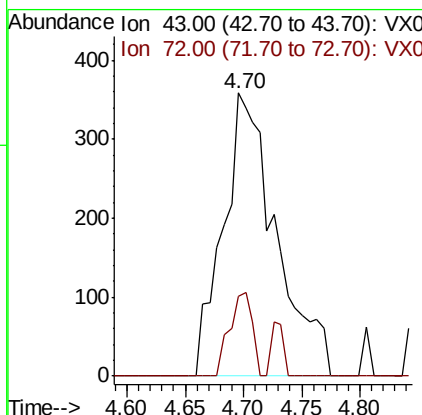
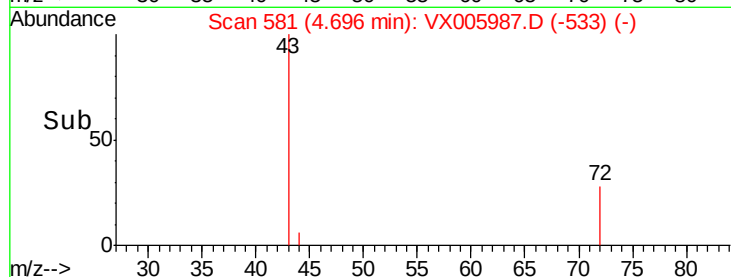
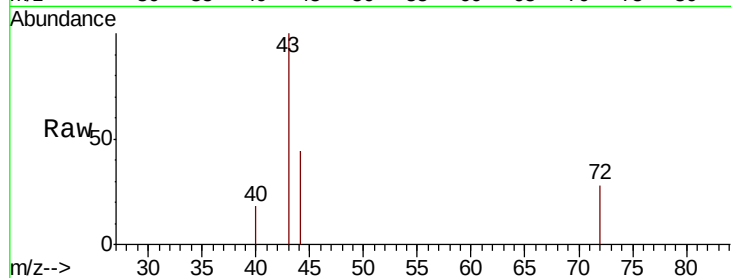
TP-1S

Tot Ion: 43 Resp: 1132

Ion Ratio Lower Upper

43 100

72 28.2 19.2 28.8



#29

Tetrahydrofuran

Concen: 0.504 ug/l

RT: 5.17 min Scan# 658

Delta R.T. 0.01 min

Lab File: VX005987.D

Acq: 14 Nov 2018 21:01

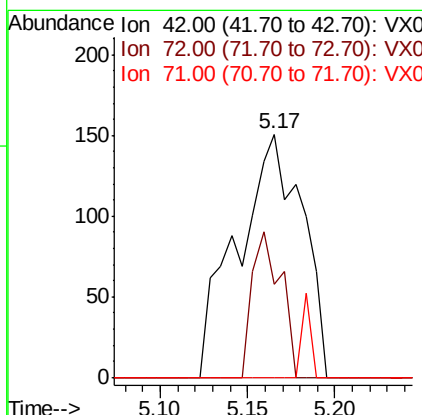
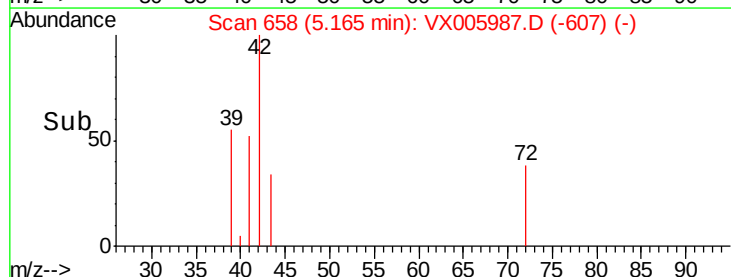
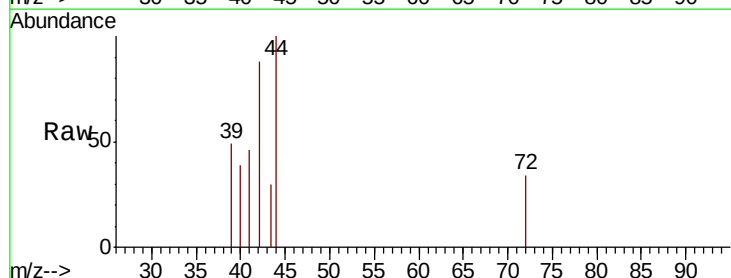
Tgt Ion: 42 Resp: 391

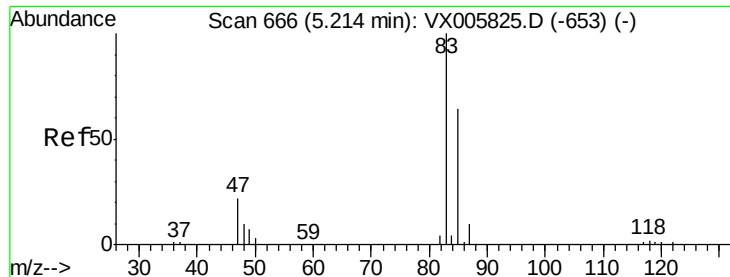
Ion Ratio Lower Upper

42 100

72 26.1 32.0 48.0#

71 0.0 29.8 44.8#

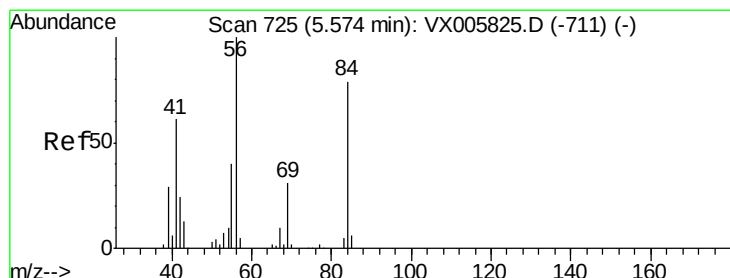
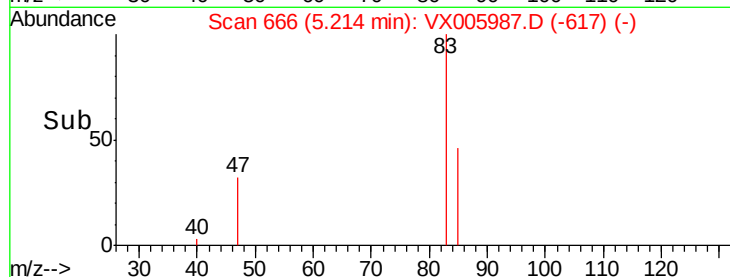
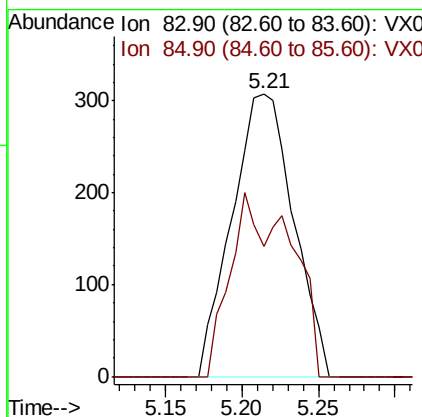
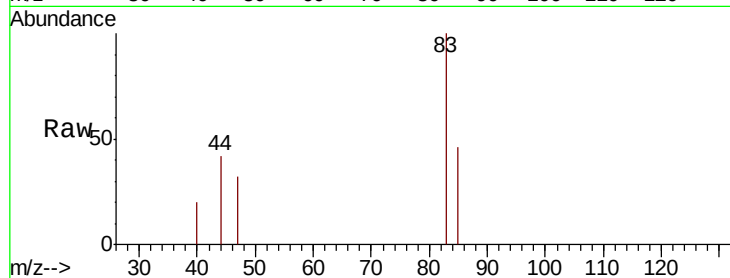




#30
Chloroform
Concen: 0.388 ug/l
RT: 5.21 min Scan# 666
Delta R.T. -0.00 min
Lab File: VX005987.D
Acq: 14 Nov 2018 21:01

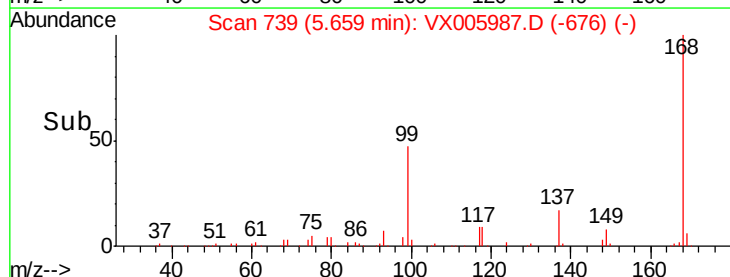
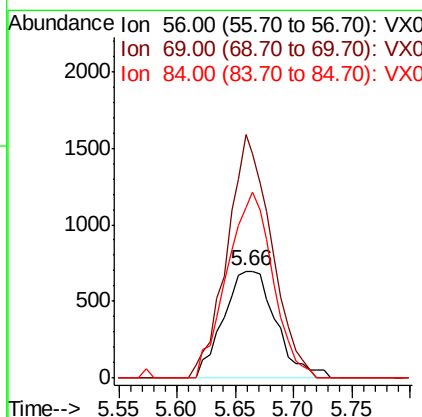
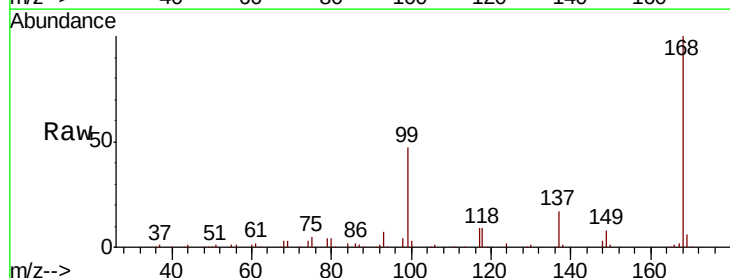
Instrument :
MSVOA_X
ClientSampleId :
TP-1S

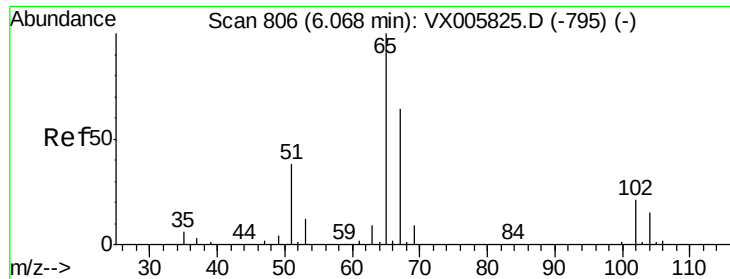
Tot Ion: 83 Resp: 859
Ion Ratio Lower Upper
83 100
85 45.8 50.6 76.0#



#31
Cyclohexane
Concen: 1.093 ug/l
RT: 5.66 min Scan# 739
Delta R.T. 0.09 min
Lab File: VX005987.D
Acq: 14 Nov 2018 21:01

Tgt Ion: 56 Resp: 2176
Ion Ratio Lower Upper
56 100
69 227.5 22.6 34.0#
84 159.9 62.7 94.1#

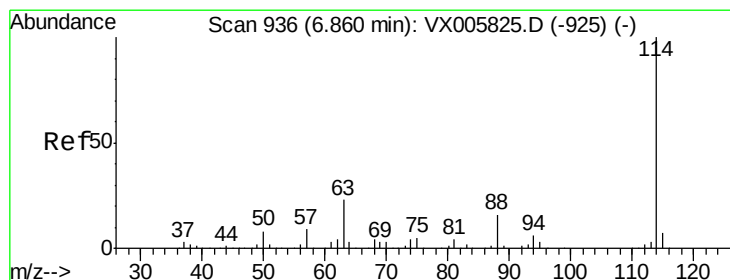
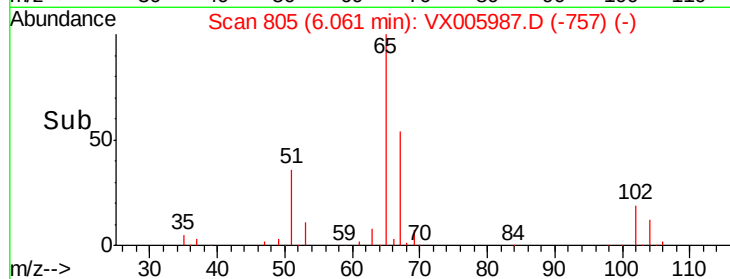
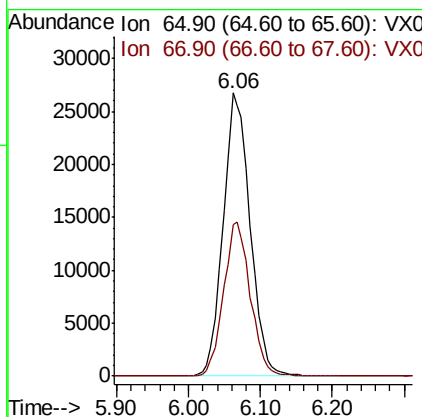
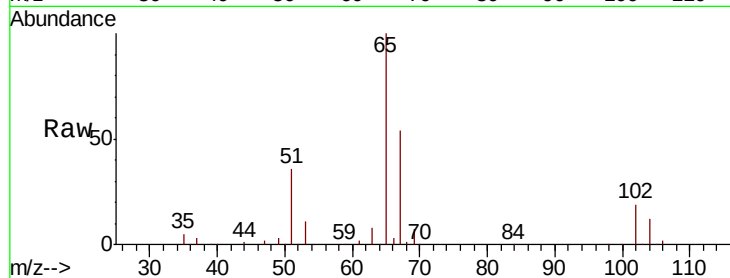




#33
 1,2-Dichloroethane-d4
 Concen: 48.753 ug/l
 RT: 6.06 min Scan# 805
 Delta R.T. -0.01 min
 Lab File: VX005987.D
 Acq: 14 Nov 2018 21:01

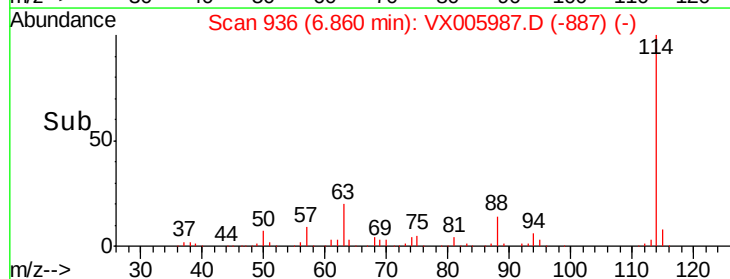
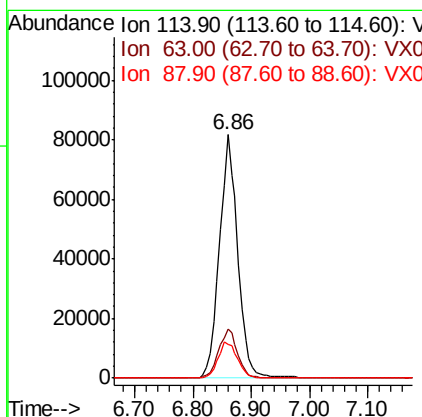
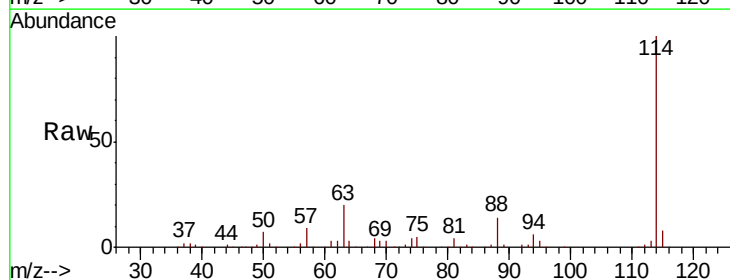
Instrument :
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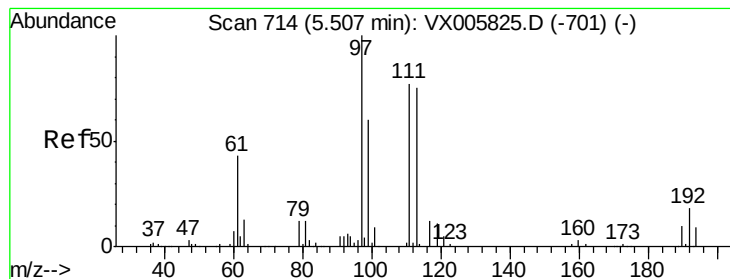
Tot Ion: 65 Resp: 69645
 Ion Ratio Lower Upper
 65 100
 67 54.0 0.0 105.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: VX005987.D
 Acq: 14 Nov 2018 21:01

Tgt Ion: 114 Resp: 177753
 Ion Ratio Lower Upper
 114 100
 63 19.9 0.0 42.8
 88 14.1 0.0 31.2





#35

Dibromofluoromethane

Concen: 46.707 ug/l

RT: 5.50 min Scan# 713

Delta R.T. -0.01 min

Lab File: VX005987.D

Acq: 14 Nov 2018 21:01

Instrument :

MSVOA_X

ClientSampled :

TP-1S

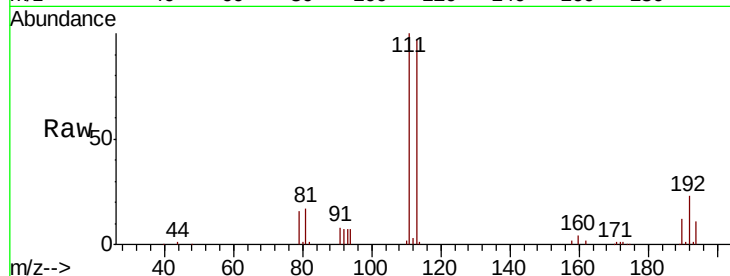
Tot Ion:113 Resp: 56468

Ion Ratio Lower Upper

113 100

111 101.3 82.3 123.5

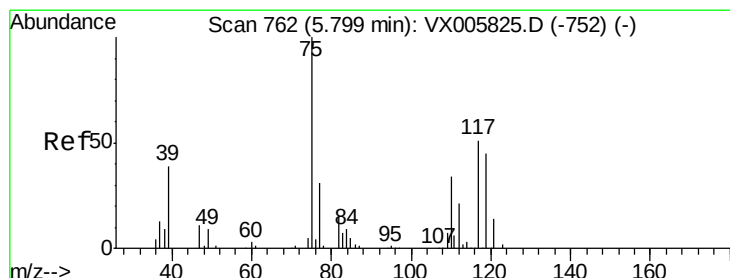
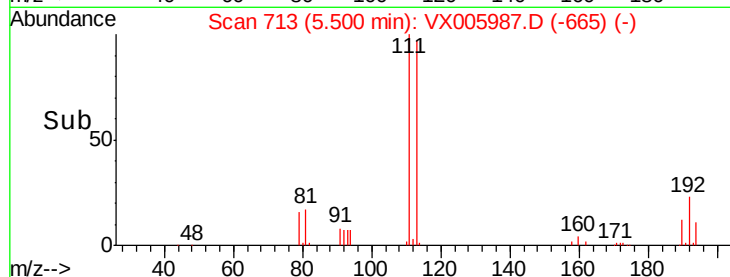
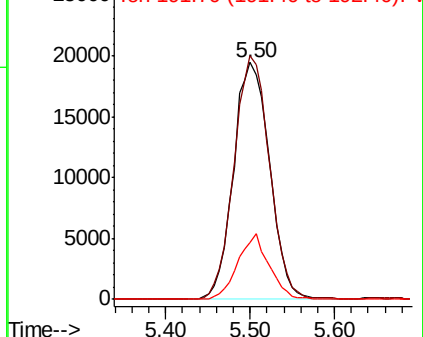
192 23.7 17.9 26.9



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 4.842 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.13 min

Lab File: VX005987.D

Acq: 14 Nov 2018 21:01

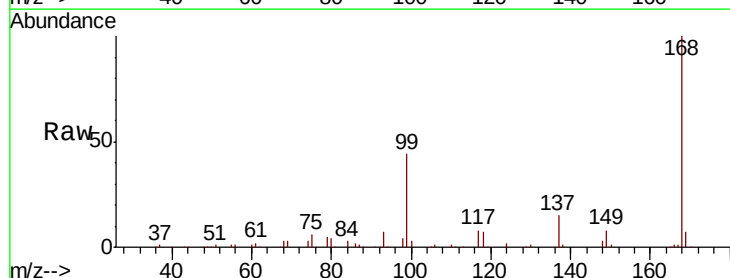
Tgt Ion: 75 Resp: 8297

Ion Ratio Lower Upper

75 100

110 9.6 17.4 52.2#

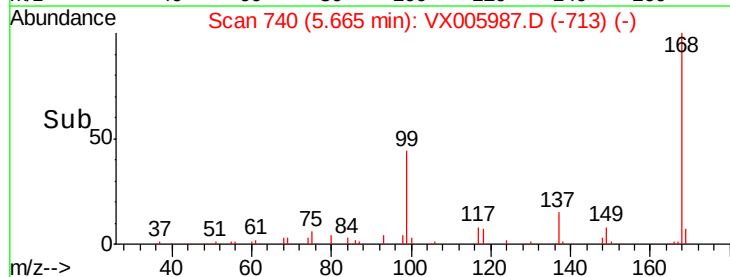
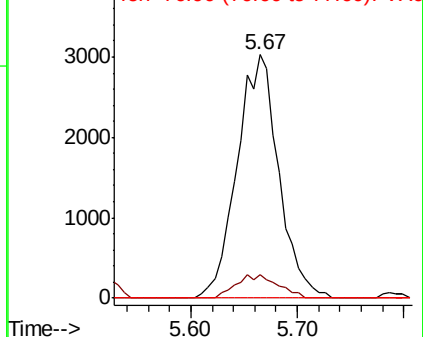
77 0.0 25.8 38.6#

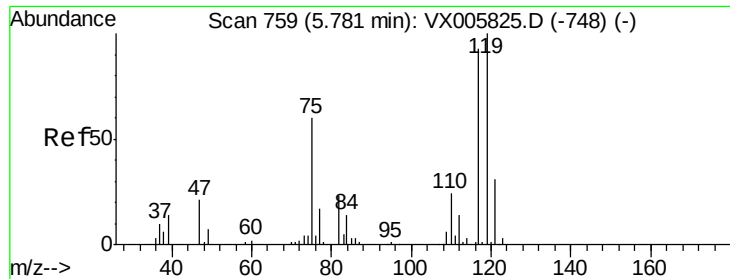


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0

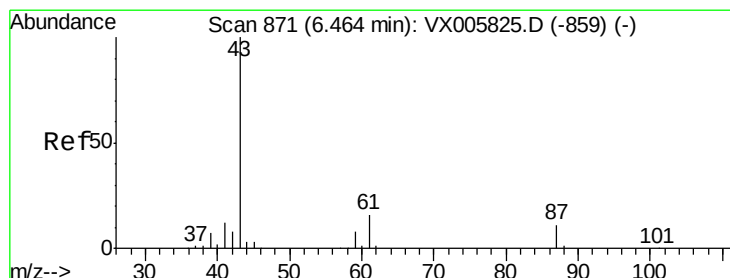
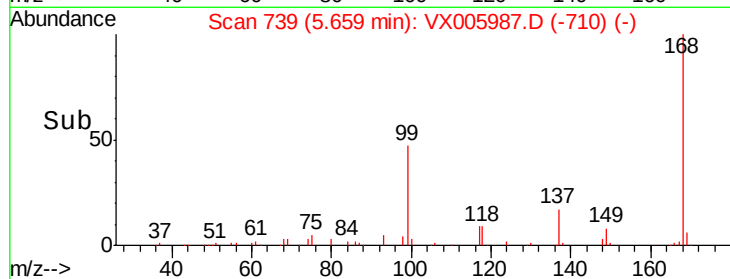
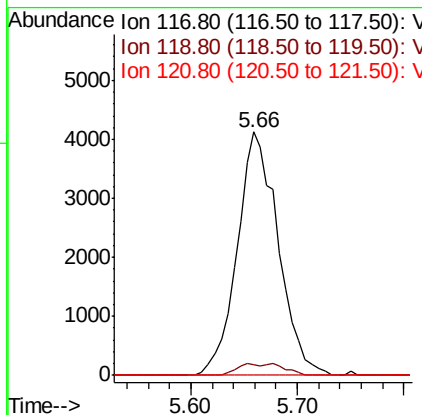
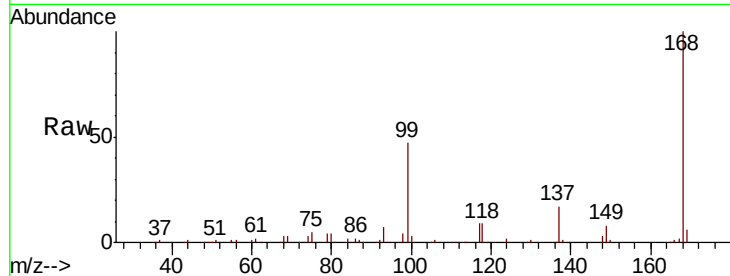




#38
Carbon Tetrachloride
Concen: 6.469 ug/l
RT: 5.66 min Scan# 739
Delta R.T. -0.12 min
Lab File: VX005987.D
Acq: 14 Nov 2018 21:01

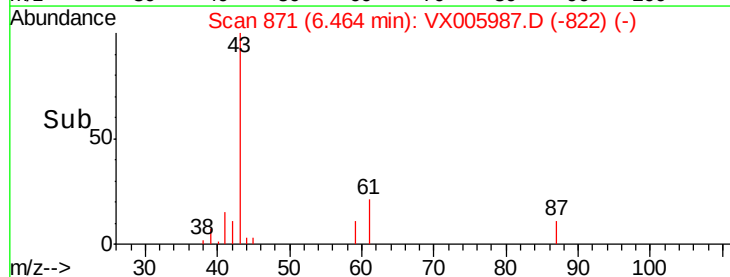
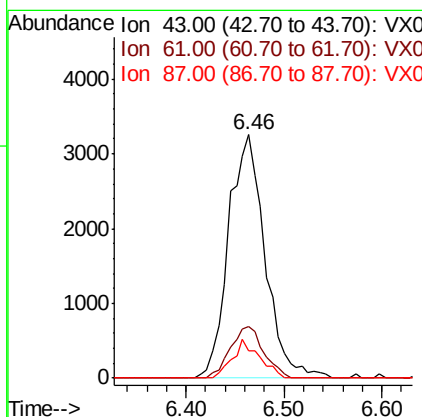
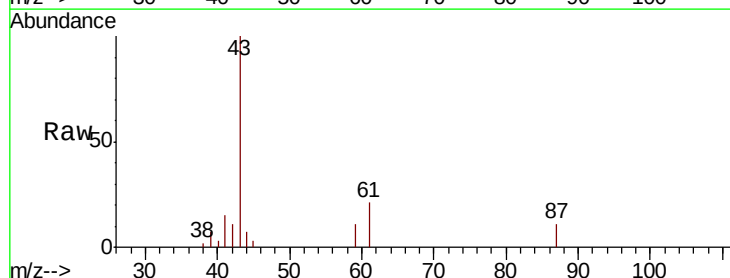
Instrument :
MSVOA_X
ClientSampled :
TP-1S

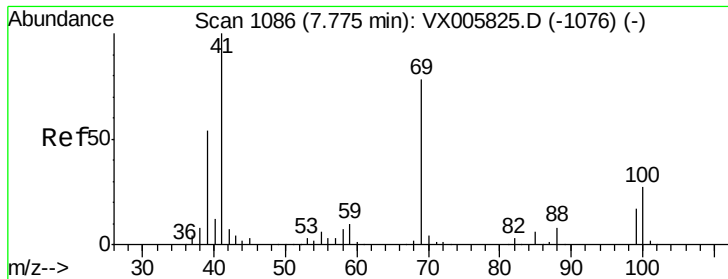
Tot Ion:117 Resp: 11098
Ion Ratio Lower Upper
117 100
119 4.3 78.1 117.1#
121 0.0 24.6 36.8#



#43
Isopropyl Acetate
Concen: 2.566 ug/l
RT: 6.46 min Scan# 871
Delta R.T. -0.00 min
Lab File: VX005987.D
Acq: 14 Nov 2018 21:01

Tgt Ion: 43 Resp: 8379
Ion Ratio Lower Upper
43 100
61 19.4 14.6 22.0
87 11.8 9.6 14.4

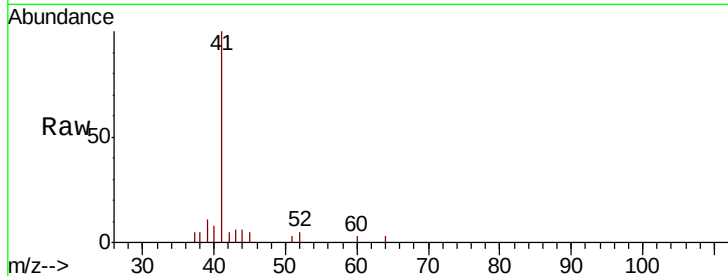




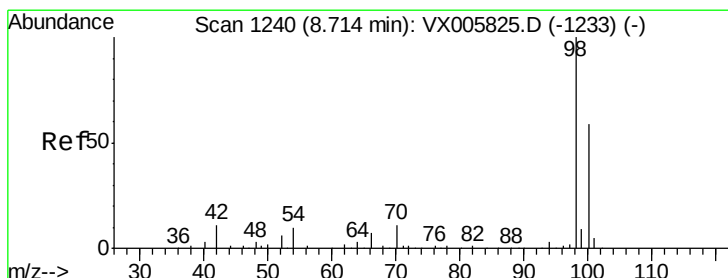
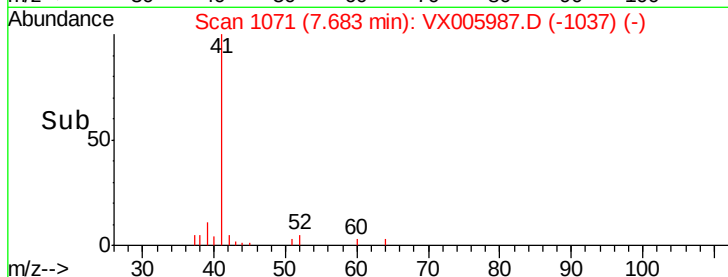
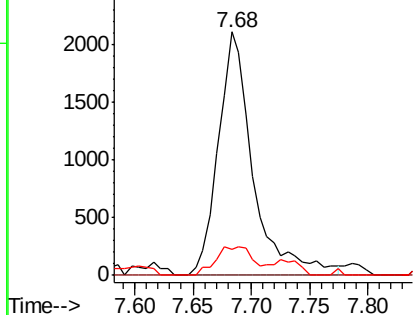
#48
Methvl methacrylate
Concen: 2.970 ug/l
RT: 7.68 min Scan# 1071
Delta R.T. -0.09 min
Lab File: VX005987.D
Acq: 14 Nov 2018 21:01

Instrument :
MSVOA_X
ClientSampled :
TP-1S

Tot Ion: 41 Resp: 4354
Ion Ratio Lower Upper
41 100
69 0.0 63.2 94.8#
39 0.0 42.2 63.2#

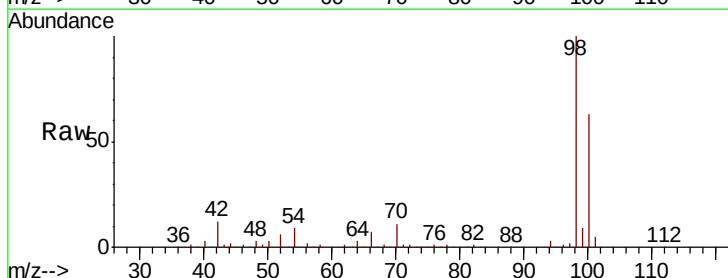


Abundance Ion 41.00 (40.70 to 41.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 39.00 (38.70 to 39.70): VX0

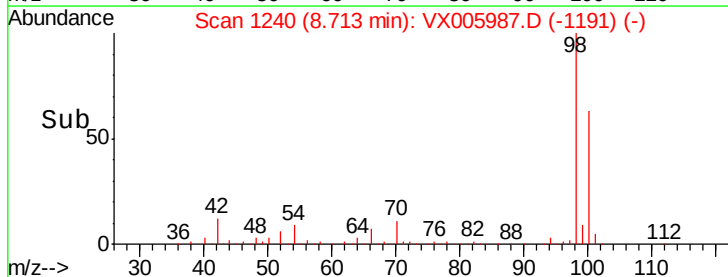
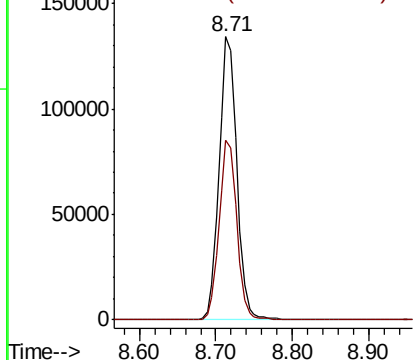


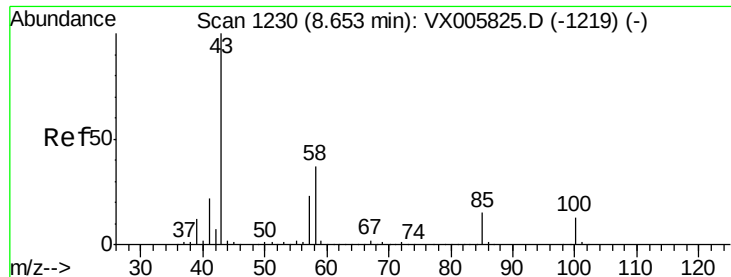
#50
Toluene-d8
Concen: 53.668 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX005987.D
Acq: 14 Nov 2018 21:01

Tgt Ion: 98 Resp: 215710
Ion Ratio Lower Upper
98 100
100 63.2 51.3 76.9



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





#51

4-Methyl-2-Pentanone

Concen: 17.673 ug/l

RT: 8.62 min Scan# 1224

Delta R.T. -0.04 min

Lab File: VX005987.D

Acq: 14 Nov 2018 21:01

Instrument :

MSVOA_X

ClientSampled :

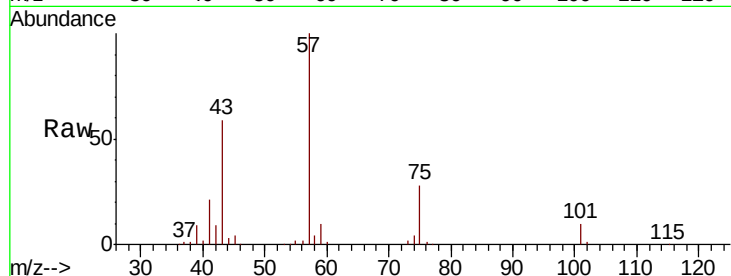
TP-1S

Tot Ion: 43 Resp: 36369

Ion Ratio Lower Upper

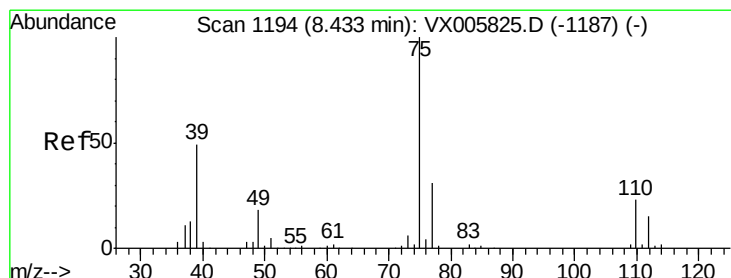
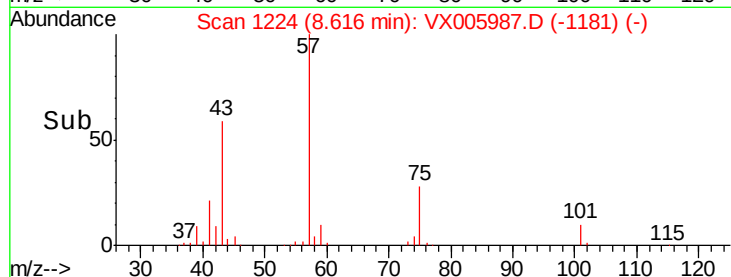
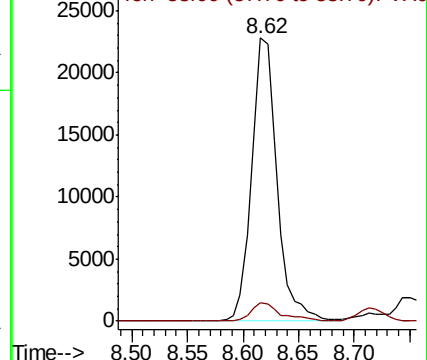
43 100

58 7.7 29.7 44.5#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#54

cis-1,3-Dichloropropene

Concen: 9.578 ug/l

RT: 8.62 min Scan# 1224

Delta R.T. 0.18 min

Lab File: VX005987.D

Acq: 14 Nov 2018 21:01

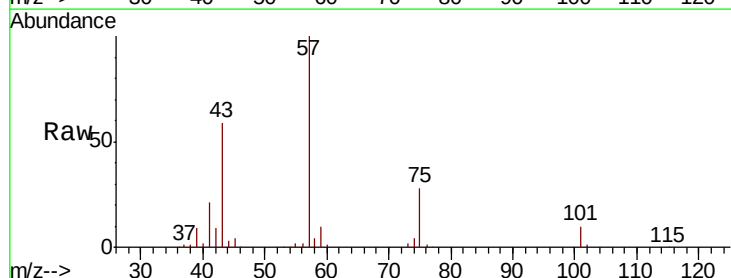
Tgt Ion: 75 Resp: 16566

Ion Ratio Lower Upper

75 100

77 0.8 25.2 37.8#

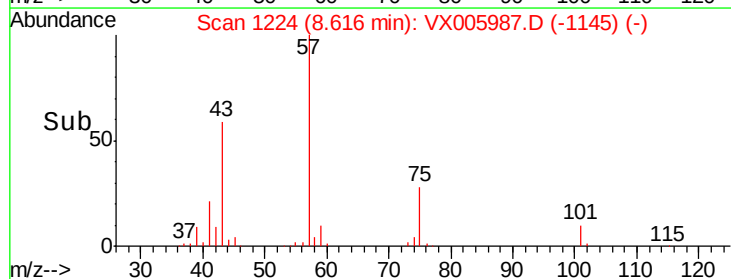
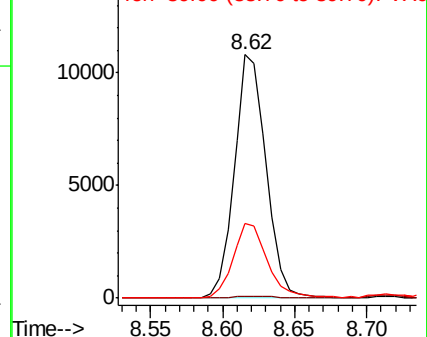
39 30.8 38.2 57.2#

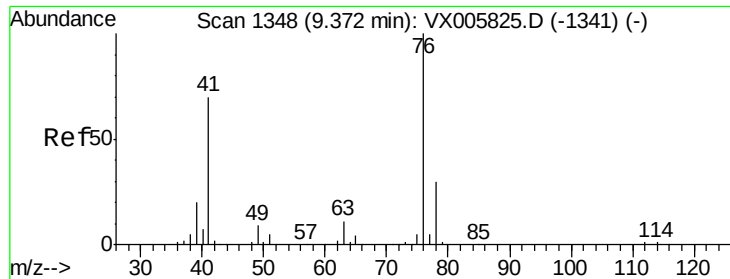


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0

Ion 39.00 (38.70 to 39.70): VX0

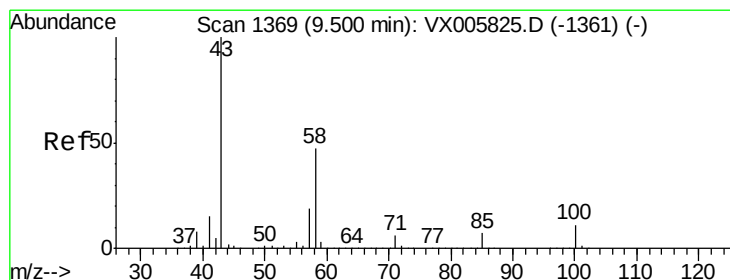
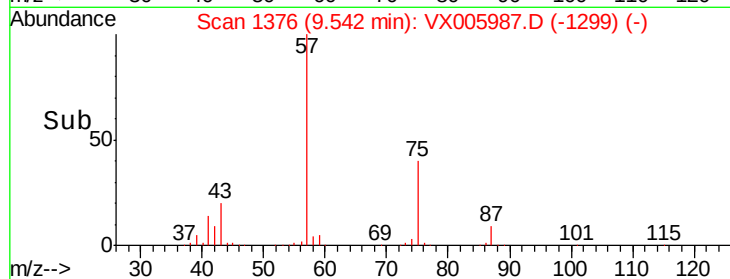
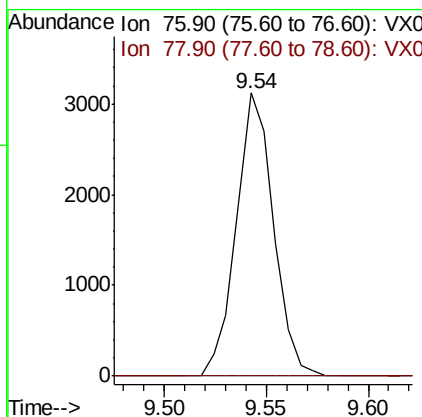
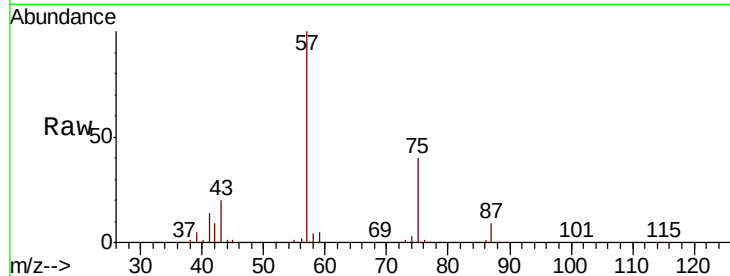




#57
 1,3-Dichloropropane
 Concen: 1.888 ug/l
 RT: 9.54 min Scan# 1376
 Delta R.T. 0.17 min
 Lab File: VX005987.D
 Acq: 14 Nov 2018 21:01

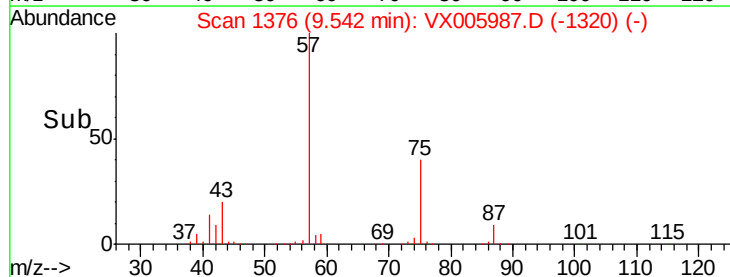
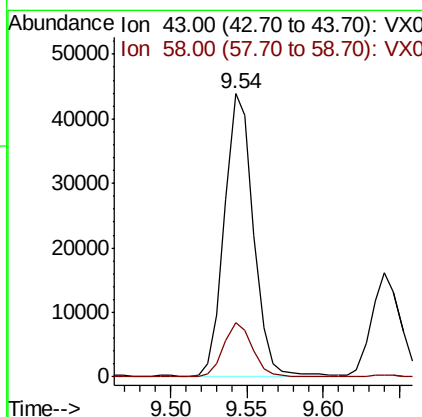
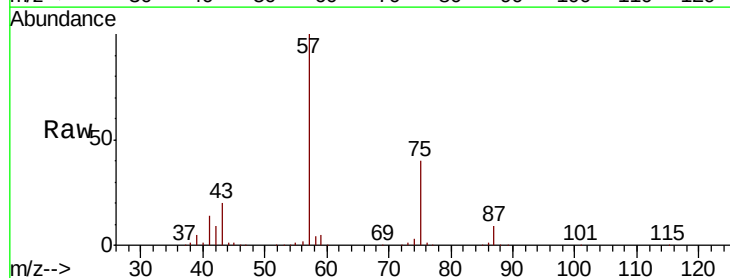
Instrument :
 MSVOA_X
 ClientSampleId :
 TP-1S

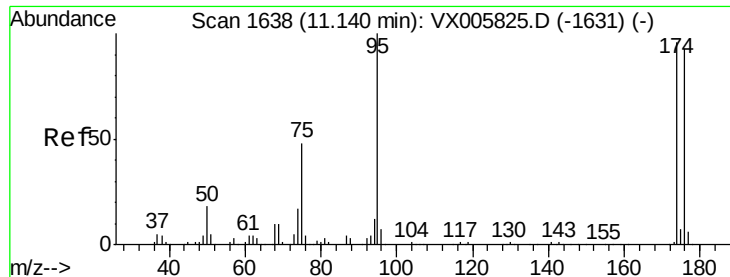
Tot Ion: 76 Resp: 3947
 Ion Ratio Lower Upper
 76 100
 78 0.0 25.3 37.9#



#59
 2-Hexanone
 Concen: 31.902 ug/l
 RT: 9.54 min Scan# 1376
 Delta R.T. 0.04 min
 Lab File: VX005987.D
 Acq: 14 Nov 2018 21:01

Tgt Ion: 43 Resp: 57868
 Ion Ratio Lower Upper
 43 100
 58 19.4 25.9 77.8#





#62

4-Bromofluorobenzene

Concen: 51.172 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. -0.00 min

Lab File: VX005987.D

Acq: 14 Nov 2018 21:01

Instrument :

MSVOA_X

ClientSampleId :

TP-1S

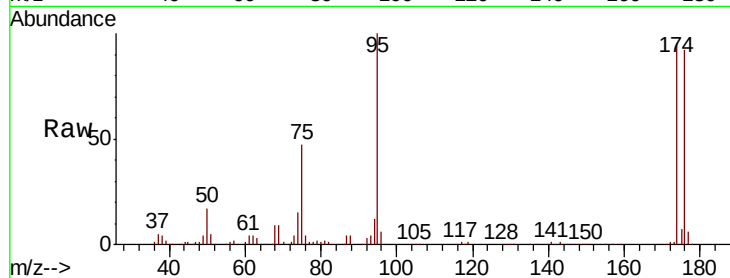
Tot Ion: 95 Resp: 73949

Ion Ratio Lower Upper

95 100

174 89.7 0.0 184.4

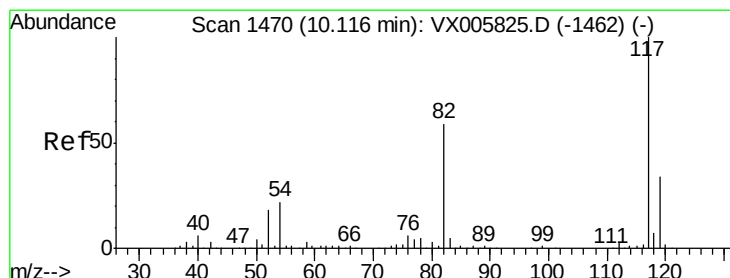
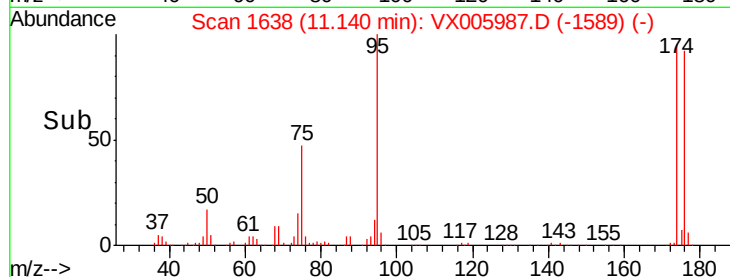
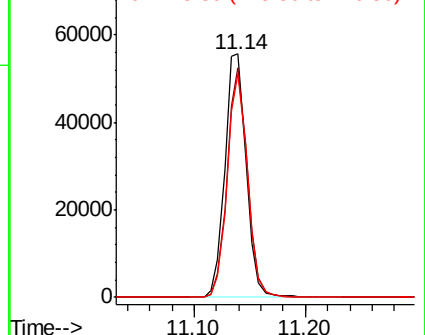
176 87.0 0.0 177.4



Abundance Ion 94.90 (94.60 to 95.60): VX005825.D (-1631) (-)

Ion 173.80 (173.50 to 174.50): VX005825.D (-1631) (-)

Ion 175.80 (175.50 to 176.50): VX005825.D (-1631) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.12 min Scan# 1470

Delta R.T. -0.00 min

Lab File: VX005987.D

Acq: 14 Nov 2018 21:01

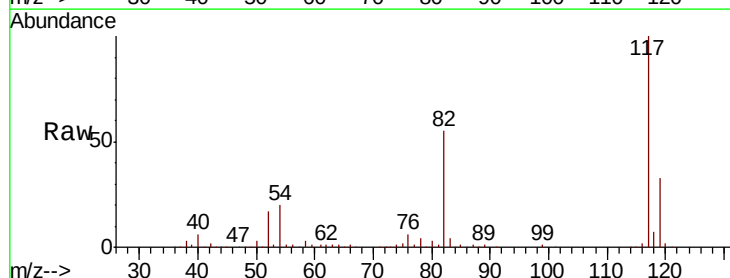
Tgt Ion: 117 Resp: 162066

Ion Ratio Lower Upper

117 100

82 55.3 44.1 66.1

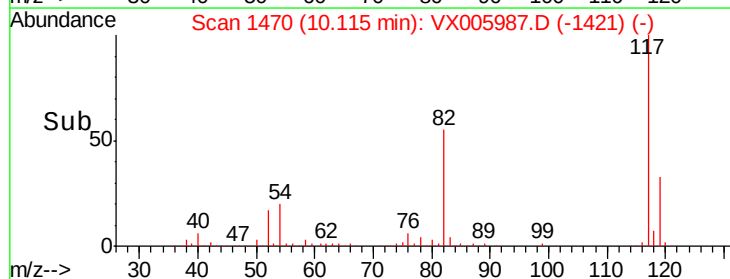
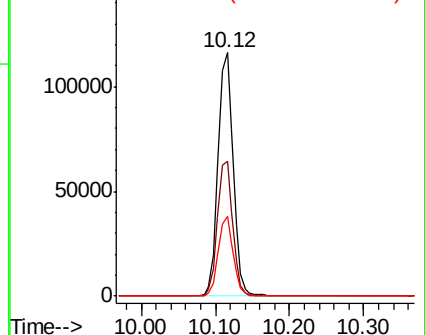
119 32.8 26.2 39.2

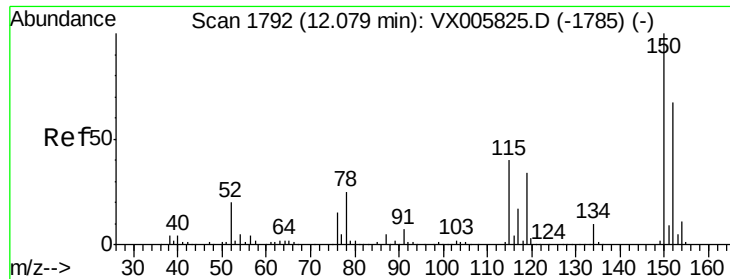


Abundance Ion 116.90 (116.60 to 117.60): VX005825.D (-1462) (-)

Ion 82.00 (81.70 to 82.70): VX005825.D (-1462) (-)

Ion 118.90 (118.60 to 119.60): VX005825.D (-1462) (-)



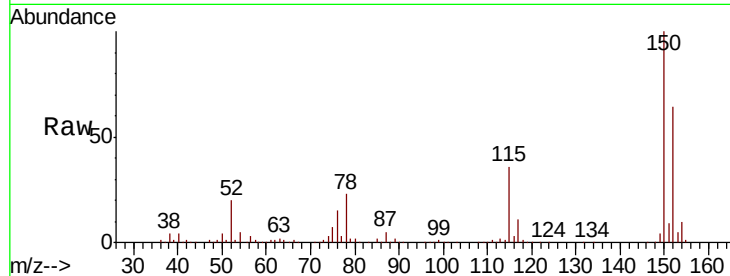


#72

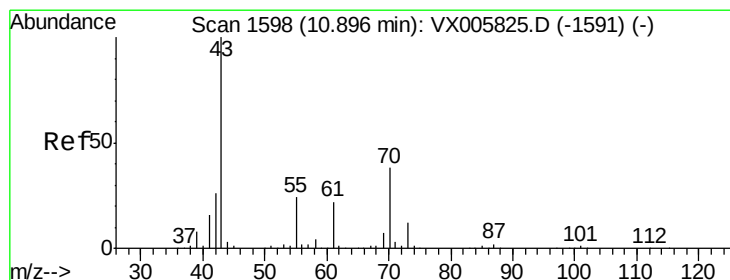
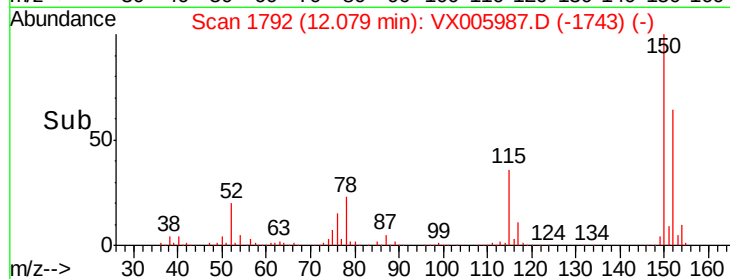
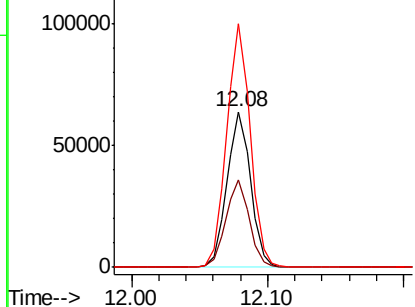
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX005987.D
Acq: 14 Nov 2018 21:01

Instrument :
MSVOA_X
ClientSampled :
TP-1S

Tot Ion:152 Resp: 76576
Ion Ratio Lower Upper
152 100
115 55.6 39.4 118.1
150 156.5 0.0 346.4



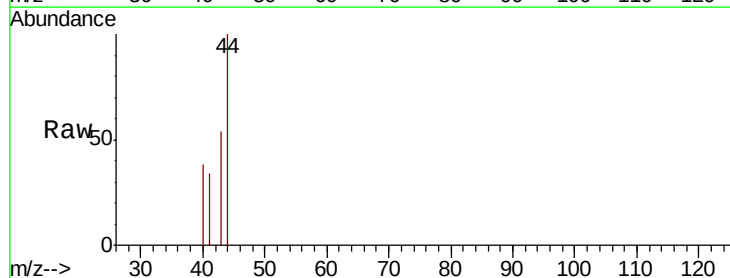
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



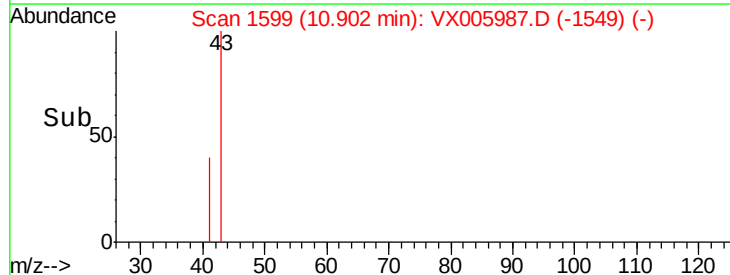
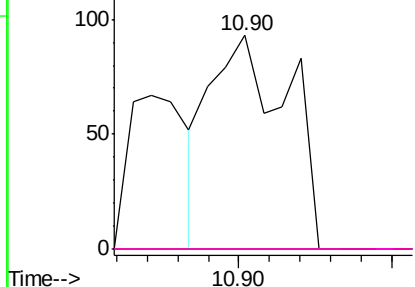
#74

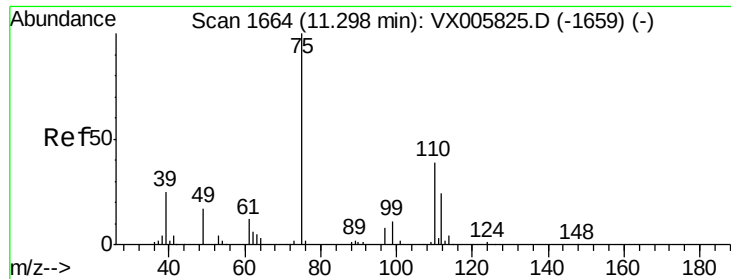
N-ethyl acetate
Concen: 1.315 ug/l
RT: 10.90 min Scan# 1599
Delta R.T. 0.01 min
Lab File: VX005987.D
Acq: 14 Nov 2018 21:01

Tgt Ion: 43 Resp: 164
Ion Ratio Lower Upper
43 100
70 0.0 31.6 47.4#
55 0.0 19.7 29.5#
61 0.0 18.3 27.5#



Abundance Ion 43.00 (42.70 to 43.70): VX0
Ion 70.00 (69.70 to 70.70): VX0
Ion 55.00 (54.70 to 55.70): VX0
Ion 61.00 (60.70 to 61.70): VX0

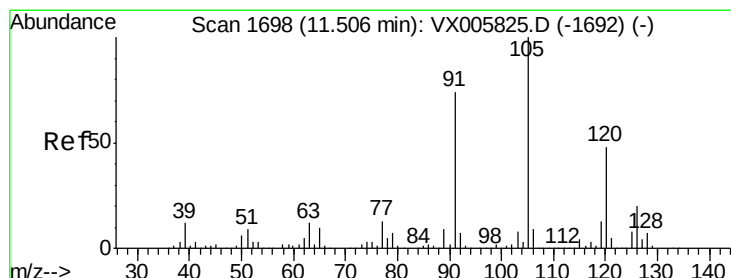
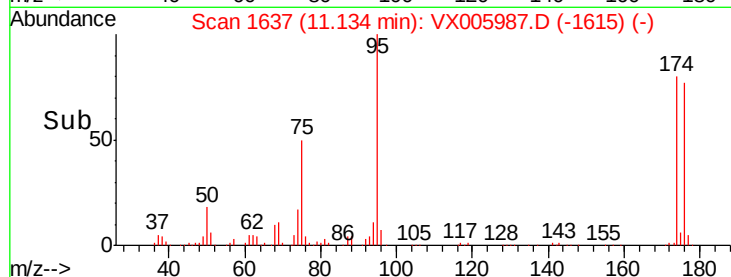
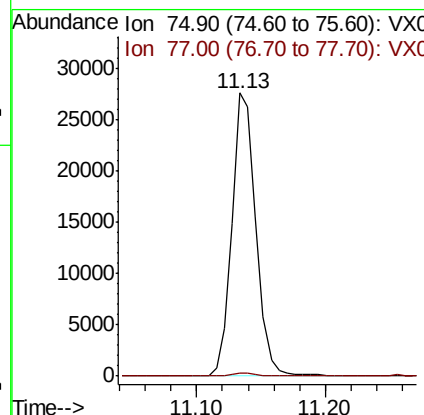
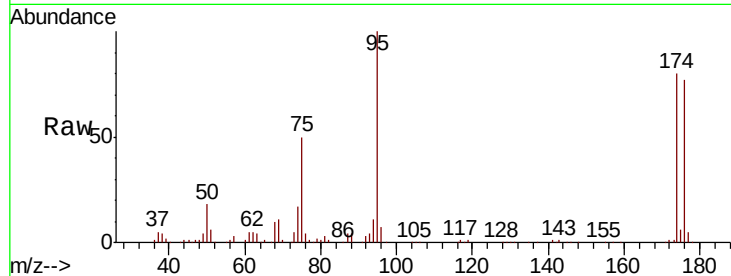




#76
 1,2,3-Trichloropropane
 Concen: 23.117 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. -0.16 min
 Lab File: VX005987.D
 Acq: 14 Nov 2018 21:01

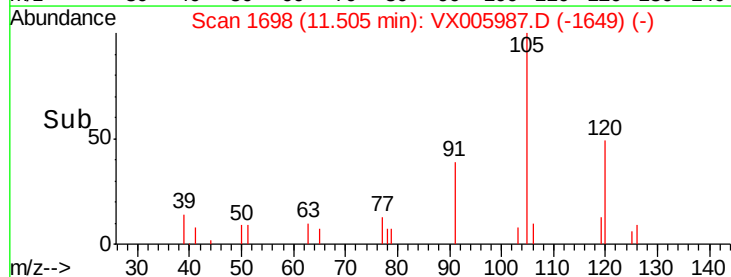
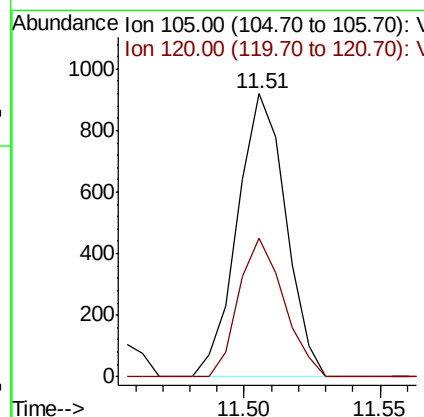
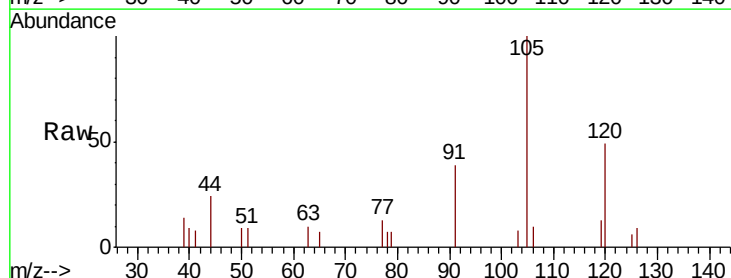
Instrument :
 MSVOA_X
 ClientSampleId :
 TP-1S

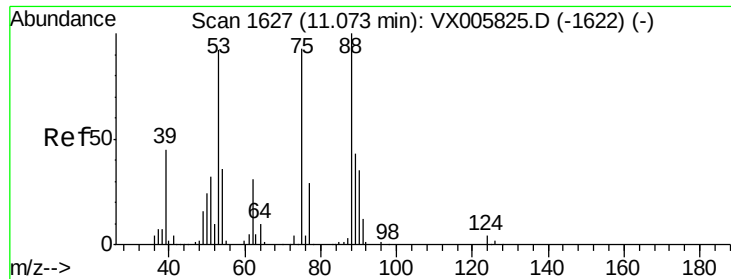
Tot Ion: 75 Resp: 36046
 Ion Ratio Lower Upper
 75 100
 77 1.1 20.5 61.6#



#80
 1,3,5-Trimethylbenzene
 Concen: 0.302 ug/l
 RT: 11.51 min Scan# 1698
 Delta R.T. -0.00 min
 Lab File: VX005987.D
 Acq: 14 Nov 2018 21:01

Tgt Ion: 105 Resp: 1137
 Ion Ratio Lower Upper
 105 100
 120 45.5 24.1 72.2

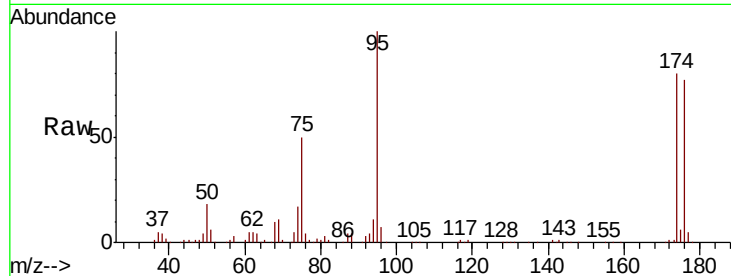




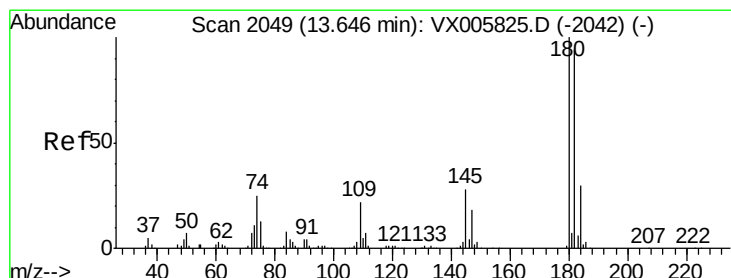
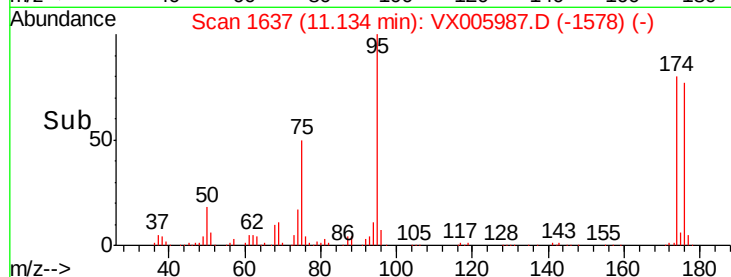
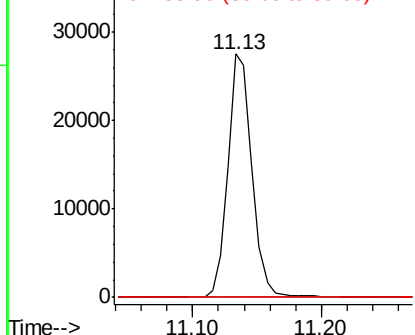
#81
trans-1,4-Dichloro-2-butene
Concen: 73.679 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. 0.06 min
Lab File: VX005987.D
Acq: 14 Nov 2018 21:01

Instrument :
MSVOA_X
ClientSampled :
TP-1S

Tot Ion: 75 Resp: 36046
Ion Ratio Lower Upper
75 100
53 0.0 80.2 120.2#
89 0.0 39.8 59.8#

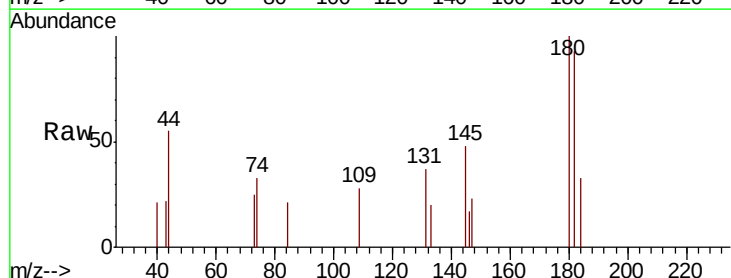


Abundance Ion 74.90 (74.60 to 75.60): VX0
Ion 53.00 (52.70 to 53.70): VX0
Ion 88.90 (88.60 to 89.60): VX0

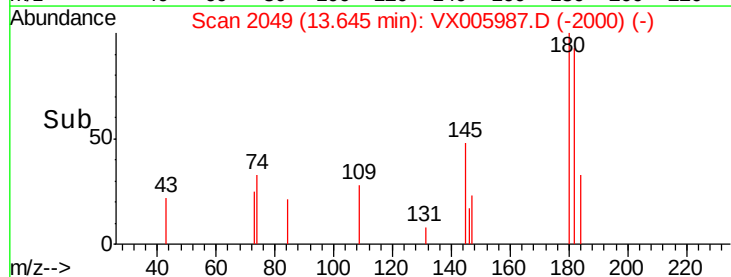
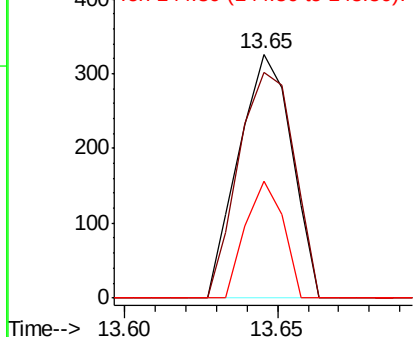


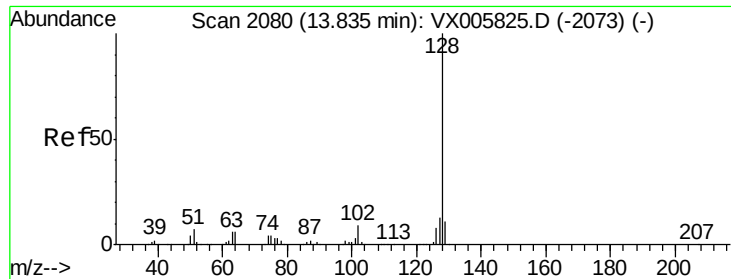
#93
1,2,4-Trichlorobenzene
Concen: 0.233 ug/l
RT: 13.65 min Scan# 2049
Delta R.T. -0.00 min
Lab File: VX005987.D
Acq: 14 Nov 2018 21:01

Tgt Ion:180 Resp: 394
Ion Ratio Lower Upper
180 100
182 96.7 47.6 142.8
145 34.0 14.1 42.2



Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.80 (144.50 to 145.50): V





#95
Naphthalene
Concen: 2.401 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. 0.00 min
Lab File: VX005987.D
Acq: 14 Nov 2018 21:01

Instrument :
MSVOA_X
ClientSampleId :
TP-1S

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.6	10.4	15.6
129	11.2	8.7	13.1

