

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX042120\
 Data File : VX015822.D
 Acq On : 22 Apr 2020 02:50
 Operator : JC/SP
 Sample : L2351-12
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 44 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TP-21A

Quant Time: Apr 22 04:27:39 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X032720W.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 27 09:35:51 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.64	168	969624	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	1494043	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	1452584	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	807148	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.04	65	539198	39.43	ug/l	0.00
Spiked Amount			Recovery	=	78.86%	
35) Dibromofluoromethane	5.48	113	433271	45.37	ug/l	0.00
Spiked Amount			Recovery	=	90.74%	
50) Toluene-d8	8.70	98	1782645	50.70	ug/l	0.00
Spiked Amount			Recovery	=	101.40%	
62) 4-Bromofluorobenzene	11.12	95	761130	53.26	ug/l	0.00
Spiked Amount			Recovery	=	106.52%	

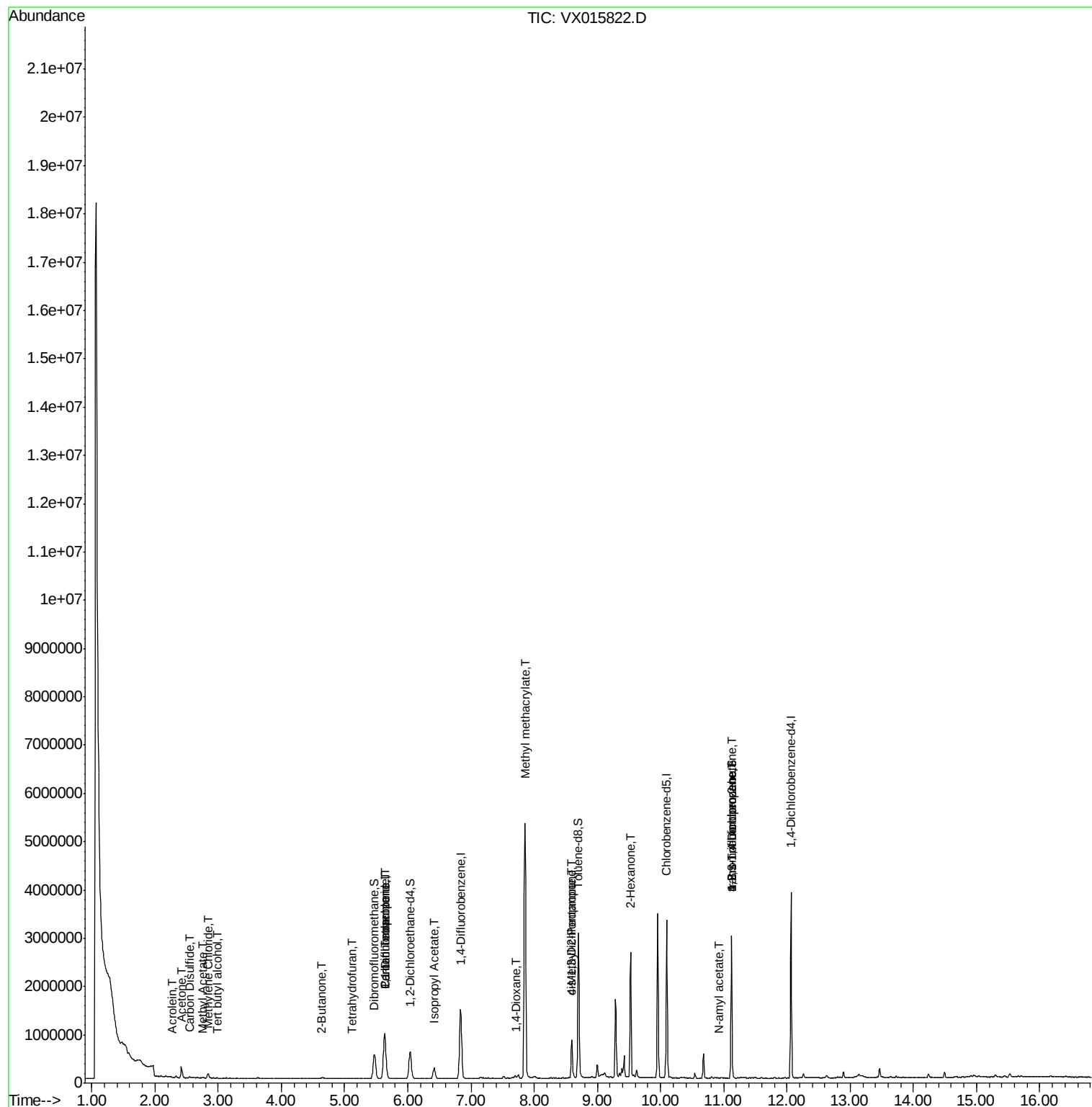
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.63	94	673	Below Cal	#	34
11) Tert butyl alcohol	2.99	59	1016	0.310	ug/l #	1
13) Acrolein	2.28	56	777	0.417	ug/l #	70
16) Acetone	2.42	43	256947	43.733	ug/l	99
17) Carbon Disulfide	2.55	76	27490	0.984	ug/l #	93
18) Methyl Acetate	2.75	43	16168	1.078	ug/l #	79
20) Methylene Chloride	2.84	84	45957	4.188	ug/l	85
25) 2-Butanone	4.65	43	15784	1.670	ug/l #	90
29) Tetrahydrofuran	5.11	42	2879	0.474	ug/l #	49
36) 1,1-Dichloropropene	5.63	75	65592	4.765	ug/l #	53
38) Carbon Tetrachloride	5.64	117	91086	6.109	ug/l #	15
43) Isopropyl Acetate	6.42	43	315296	10.420	ug/l	97
48) Methyl methacrylate	7.86	41	453107	29.980	ug/l #	48
49) 1,4-Dioxane	7.72	88	2140	7.590	ug/l #	50
51) 4-Methyl-2-Pentanone	8.59	43	307853	17.953	ug/l #	47
54) cis-1,3-Dichloropropene	8.60	75	130256	7.071	ug/l #	49
59) 2-Hexanone	9.53	43	305240	23.578	ug/l #	53
74) N-amyl acetate	10.93	43	8313	0.283	ug/l #	52
76) 1,2,3-Trichloropropane	11.12	75	368296	22.189	ug/l #	35
81) trans-1,4-Dichloro-2-buten	11.12	75	368296	53.241	ug/l #	10

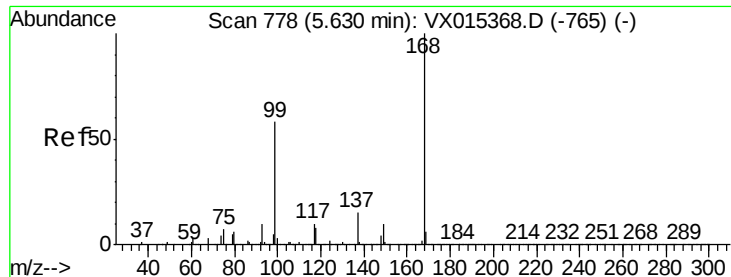
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX042120\
Data File : VX015822.D
Acq On : 22 Apr 2020 02:50
Operator : JC/SP
Sample : L2351-12
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 44 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
TP-21A

Quant Time: Apr 22 04:27:39 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X032720W.M
Quant Title : SW846 8260
QLast Update : Fri Mar 27 09:35:51 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.64 min Scan# 779

Delta R.T. 0.01 min

Lab File: VX015822.D

Acq: 22 Apr 2020 02:50

Instrument :

MSVOA_X

ClientSampleId :

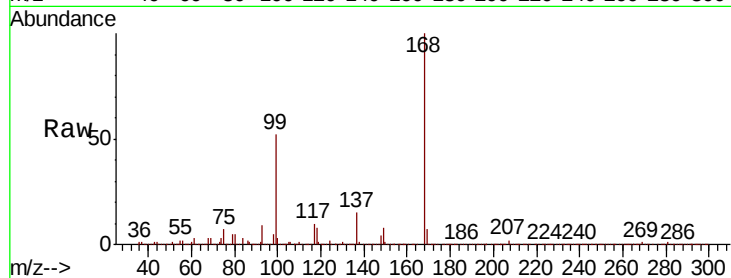
TP-21A

Tot Ion:168 Resp: 969624

Ion Ratio Lower Upper

168 100

99 51.5 46.4 69.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.64

300000

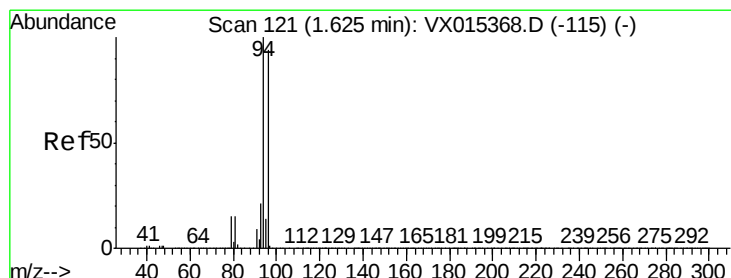
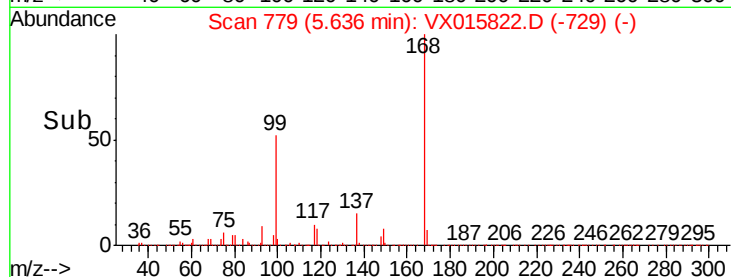
200000

100000

0

Time-->

5.50 5.60 5.70



#5

Bromomethane

Concen: Below Cal

RT: 1.63 min Scan# 122

Delta R.T. 0.01 min

Lab File: VX015822.D

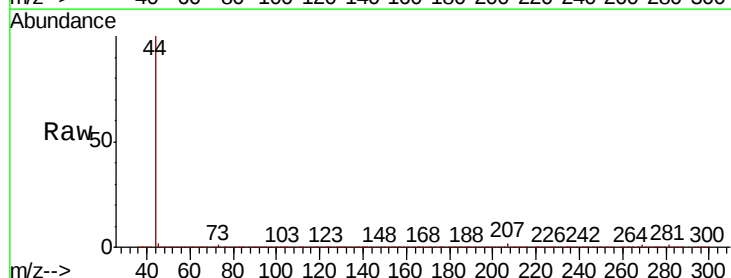
Acq: 22 Apr 2020 02:50

Tgt Ion: 94 Resp: 673

Ion Ratio Lower Upper

94 100

96 29.8 74.8 112.2#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.63

1500

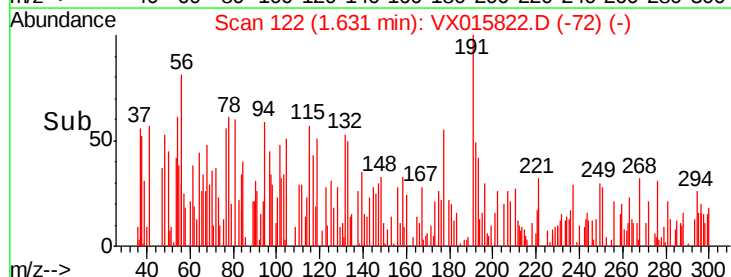
1000

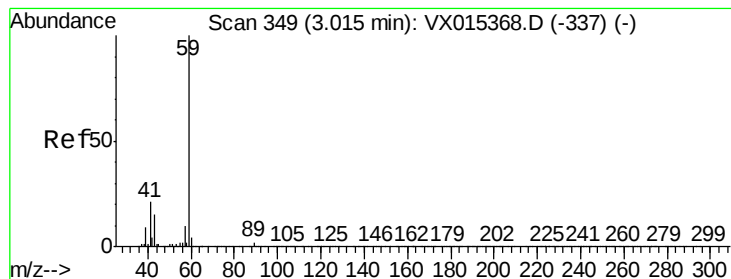
500

0

Time-->

1.60 1.62 1.64



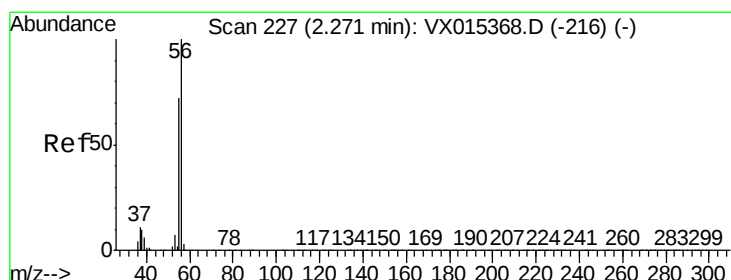
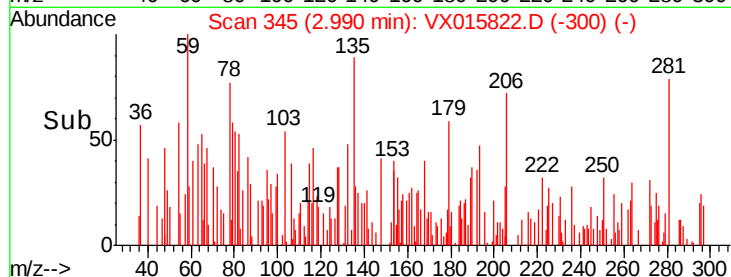
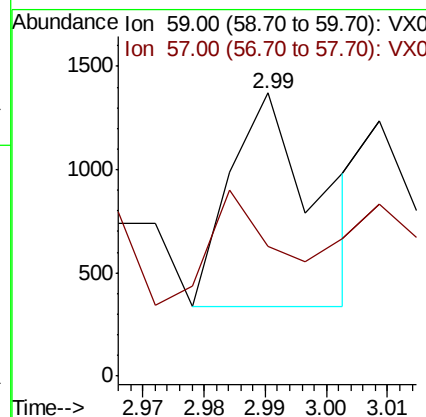
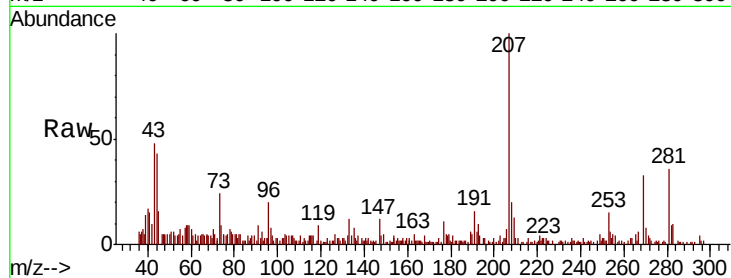


#11

Tert butyl alcohol
Concen: 0.310 ug/l
RT: 2.99 min Scan# 345
Delta R.T. -0.02 min
Lab File: VX015822.D
Acq: 22 Apr 2020 02:50

Instrument :
MSVOA_X
ClientSampled :
TP-21A

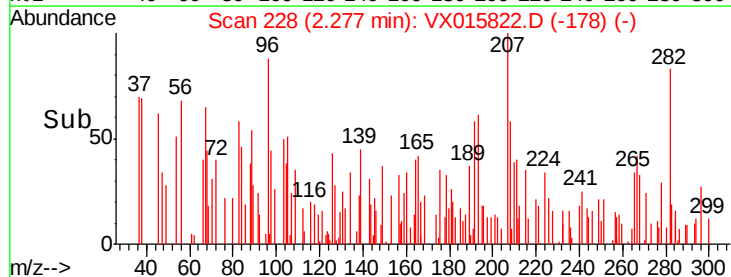
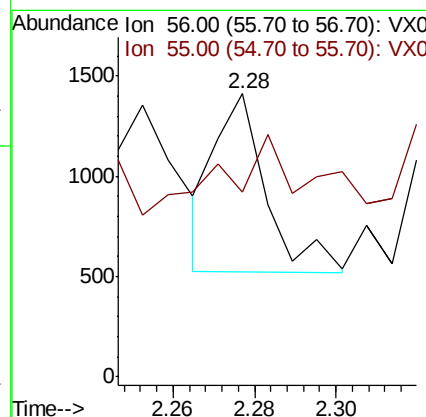
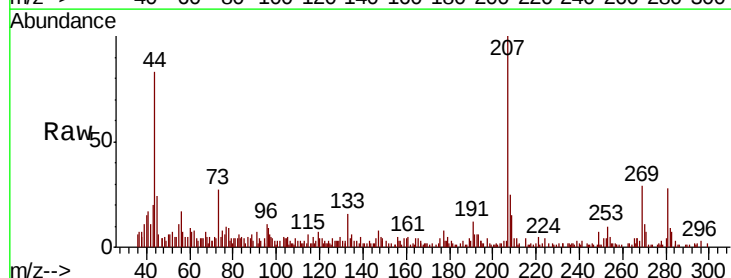
Tot Ion: 59 Resp: 1016
Ion Ratio Lower Upper
59 100
57 71.1 8.1 12.1#

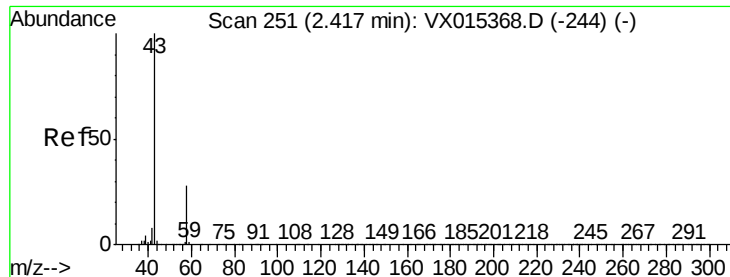


#13

Acrolein
Concen: 0.417 ug/l
RT: 2.28 min Scan# 228
Delta R.T. 0.01 min
Lab File: VX015822.D
Acq: 22 Apr 2020 02:50

Tgt Ion: 56 Resp: 777
Ion Ratio Lower Upper
56 100
55 46.6 57.0 85.4#





#16

Acetone

Concen: 43.733 ug/l

RT: 2.42 min Scan# 251

Delta R.T. -0.00 min

Lab File: VX015822.D

Acq: 22 Apr 2020 02:50

Instrument :

MSVOA_X

ClientSampleId :

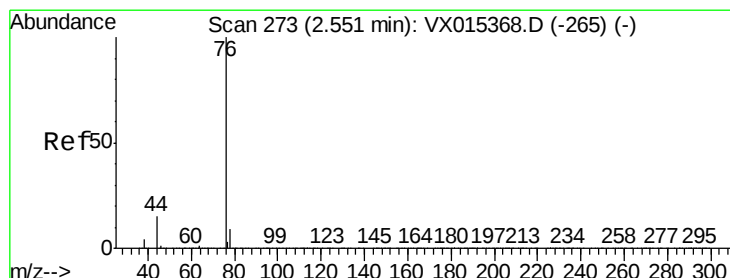
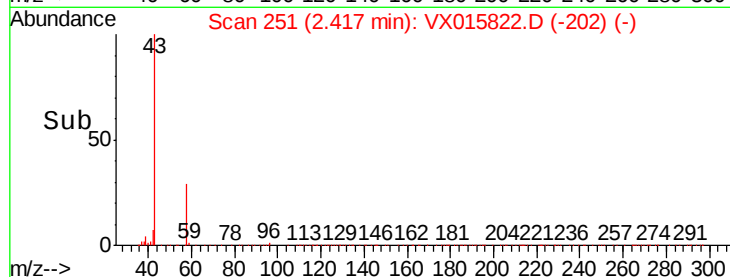
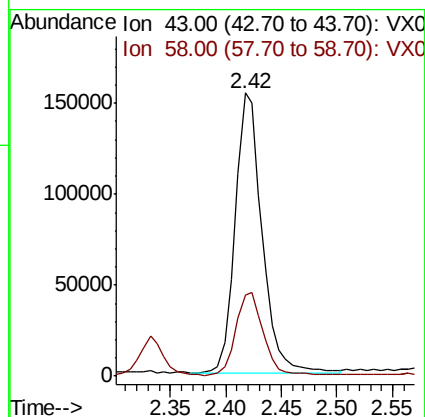
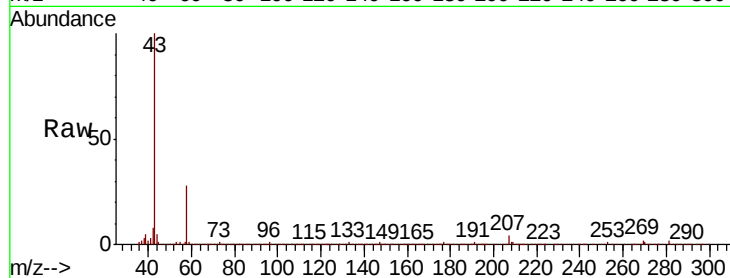
TP-21A

Tot Ion: 43 Resp: 256947

Ion Ratio Lower Upper

43 100

58 28.2 22.1 33.1



#17

Carbon Disulfide

Concen: 0.984 ug/l

RT: 2.55 min Scan# 273

Delta R.T. -0.00 min

Lab File: VX015822.D

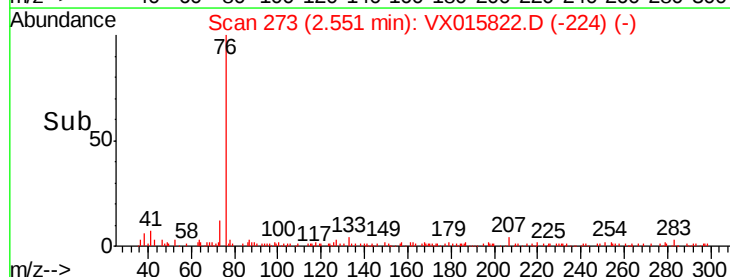
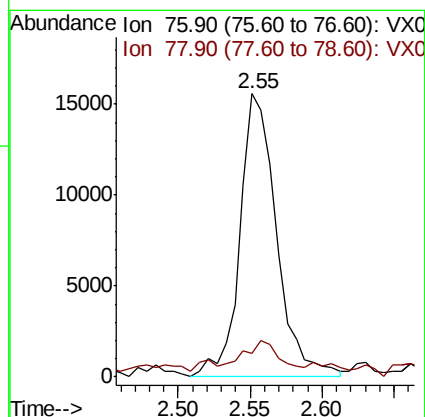
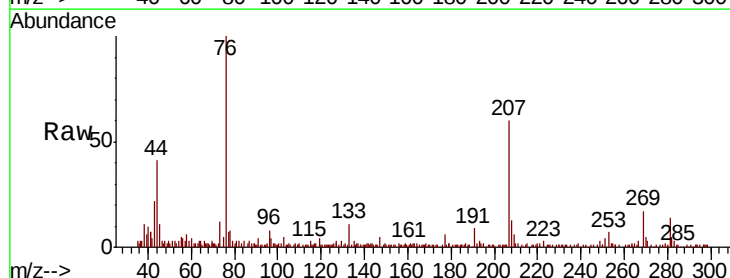
Acq: 22 Apr 2020 02:50

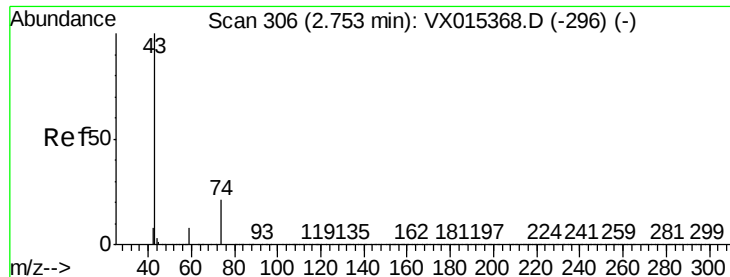
Tgt Ion: 76 Resp: 27490

Ion Ratio Lower Upper

76 100

78 6.2 7.1 10.7#

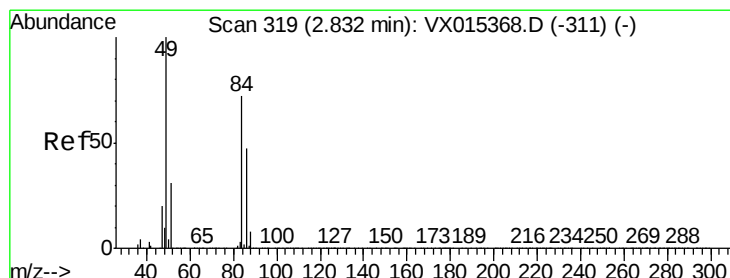
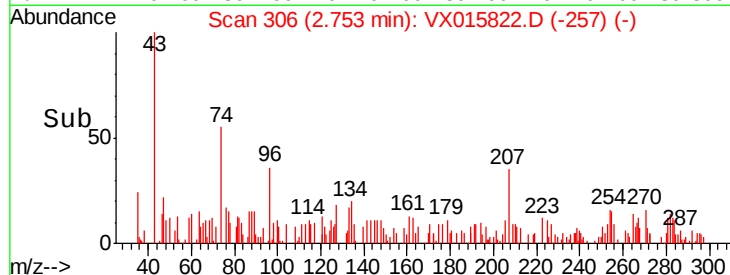
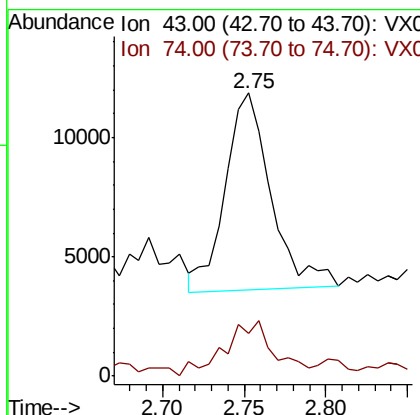
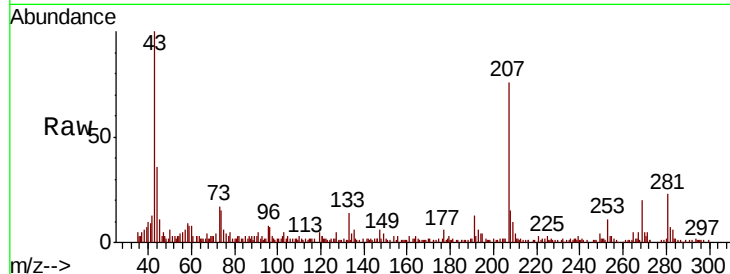




#18
Methyl Acetate
Concen: 1.078 ug/l
RT: 2.75 min Scan# 306
Delta R.T. -0.00 min
Lab File: VX015822.D
Acq: 22 Apr 2020 02:50

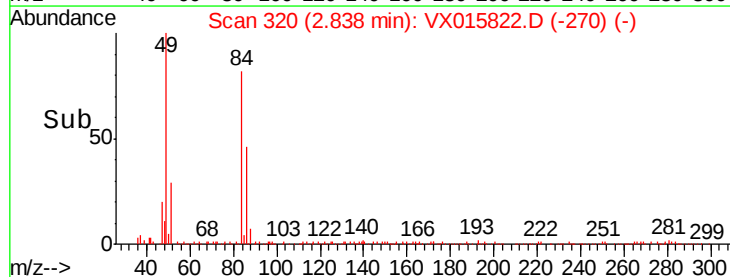
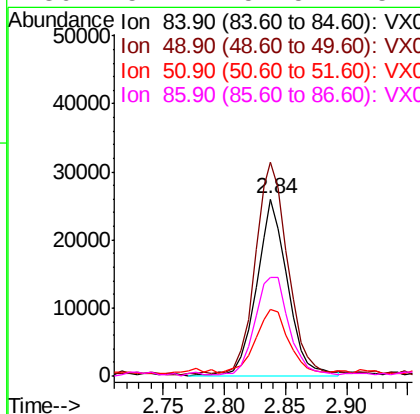
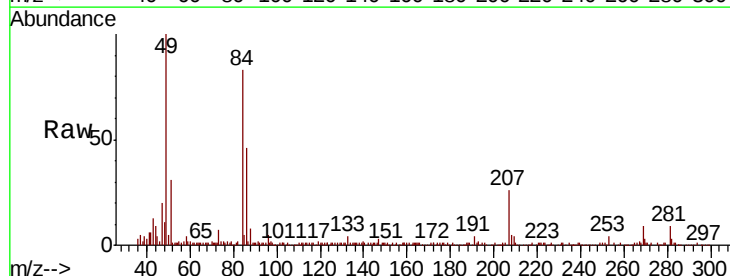
Instrument :
MSVOA_X
ClientSampleId :
TP-21A

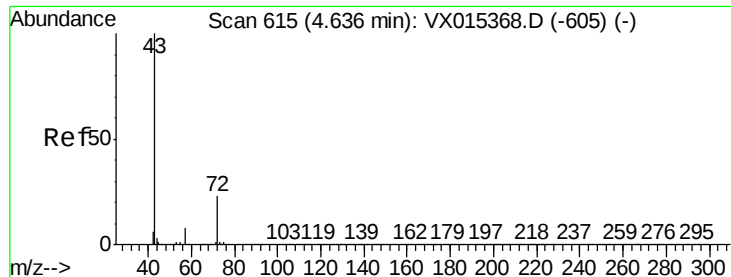
Tot Ion: 43 Resp: 16168
Ion Ratio Lower Upper
43 100
74 30.4 16.5 24.7#



#20
Methylene Chloride
Concen: 4.188 ug/l
RT: 2.84 min Scan# 320
Delta R.T. 0.01 min
Lab File: VX015822.D
Acq: 22 Apr 2020 02:50

Tgt Ion: 84 Resp: 45957
Ion Ratio Lower Upper
84 100
49 119.2 111.3 166.9
51 34.9 34.0 51.0
86 54.7 52.5 78.7

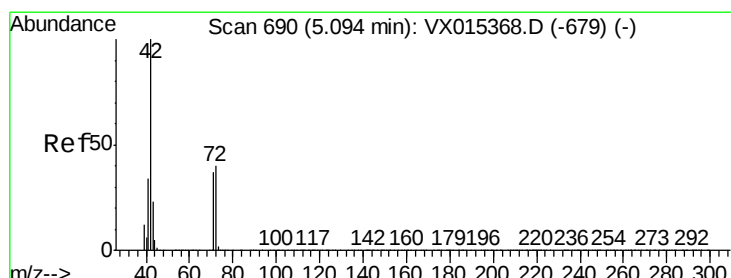
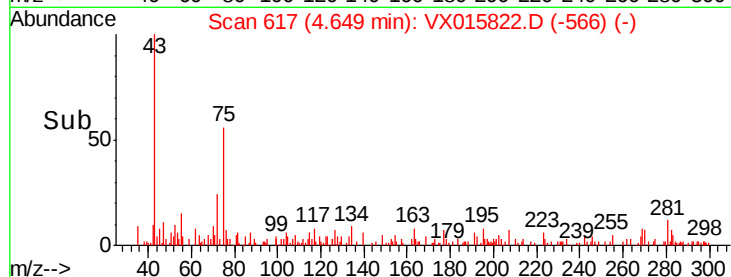
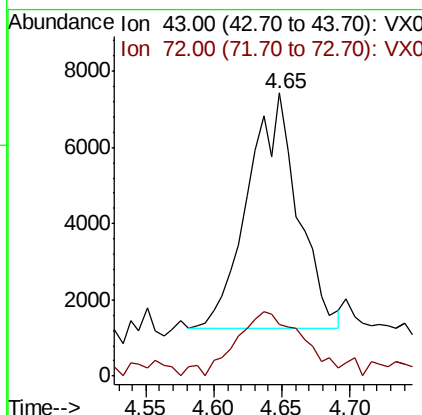
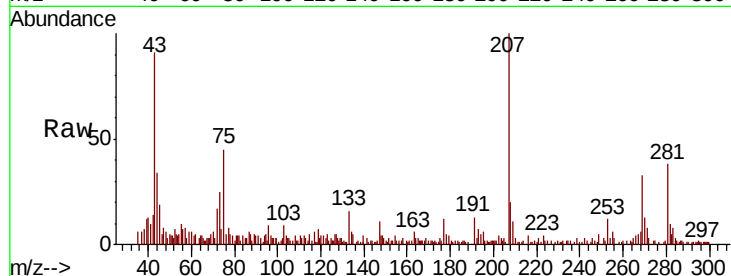




#25
2-Butanone
Concen: 1.670 ug/l
RT: 4.65 min Scan# 617
Delta R.T. 0.01 min
Lab File: VX015822.D
Acq: 22 Apr 2020 02:50

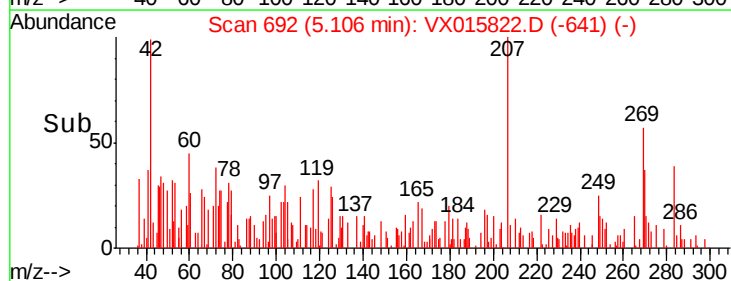
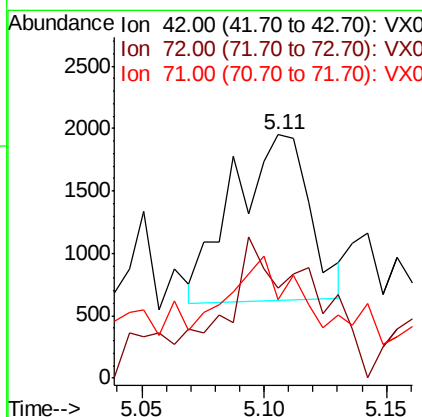
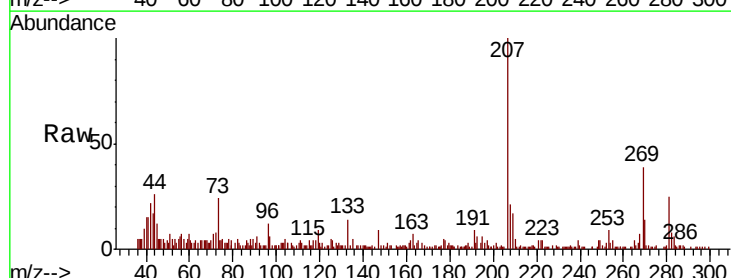
Instrument :
MSVOA_X
ClientSampled :
TP-21A

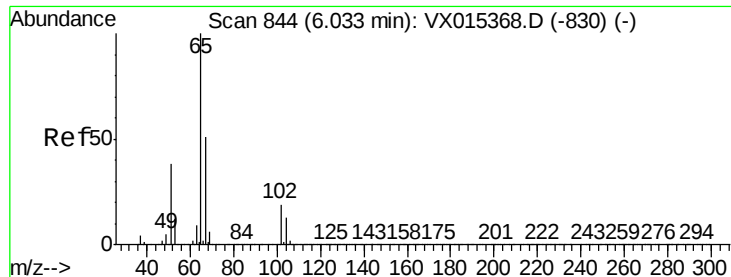
Tot Ion: 43 Resp: 15784
Ion Ratio Lower Upper
43 100
72 18.8 19.0 28.4#



#29
Tetrahydrofuran
Concen: 0.474 ug/l
RT: 5.11 min Scan# 692
Delta R.T. 0.01 min
Lab File: VX015822.D
Acq: 22 Apr 2020 02:50

Tgt Ion: 42 Resp: 2879
Ion Ratio Lower Upper
42 100
72 98.2 31.7 47.5#
71 34.4 29.6 44.4

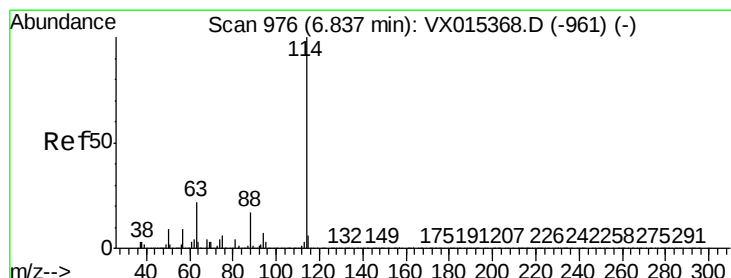
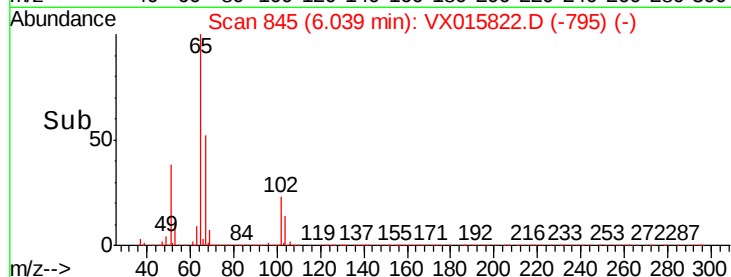
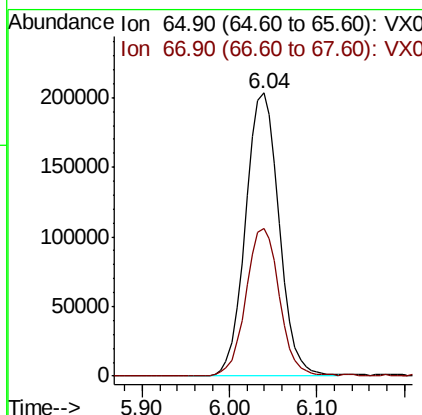
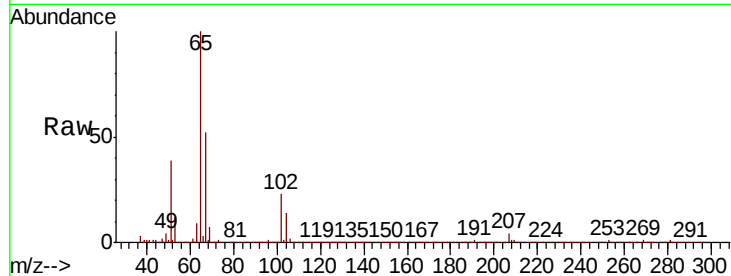




#33
 1,2-Dichloroethane-d4
 Concen: 39.428 ug/l
 RT: 6.04 min Scan# 845
 Delta R.T. 0.01 min
 Lab File: VX015822.D
 Acq: 22 Apr 2020 02:50

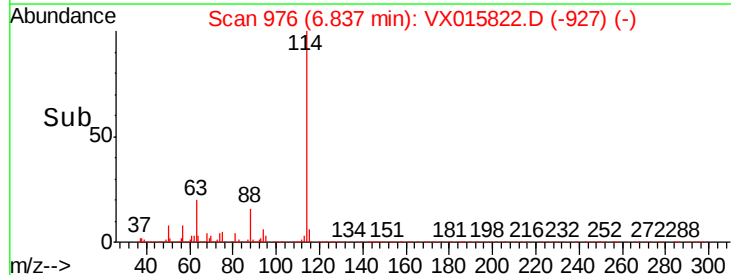
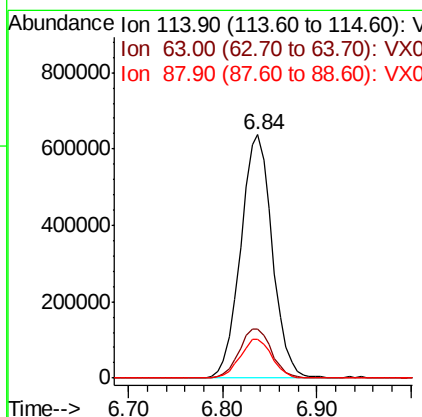
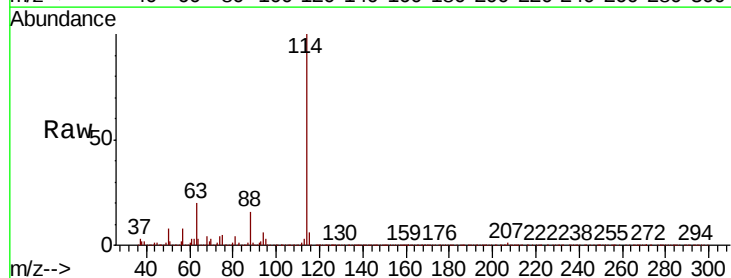
Instrument :
 MSVOA_X
 ClientSampleId :
 TP-21A

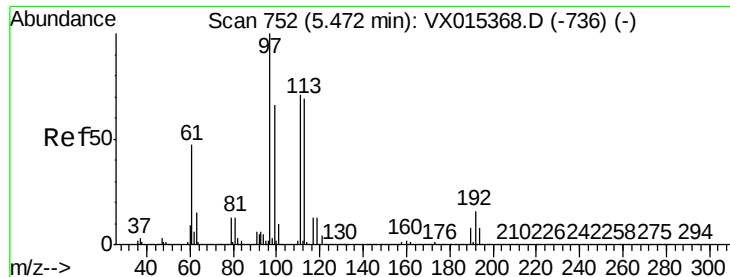
Tot Ion: 65 Resp: 539198
 Ion Ratio Lower Upper
 65 100
 67 52.3 0.0 102.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.84 min Scan# 976
 Delta R.T. -0.00 min
 Lab File: VX015822.D
 Acq: 22 Apr 2020 02:50

Tgt Ion: 114 Resp: 1494043
 Ion Ratio Lower Upper
 114 100
 63 20.0 0.0 44.2
 88 15.8 0.0 33.8

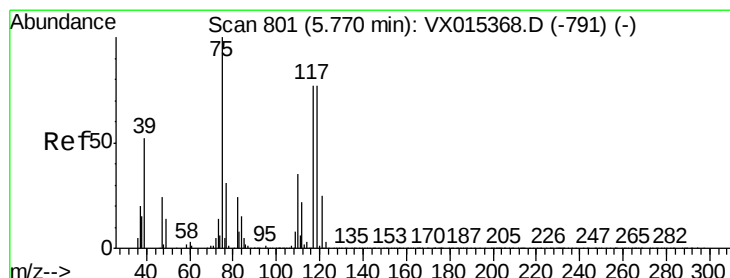
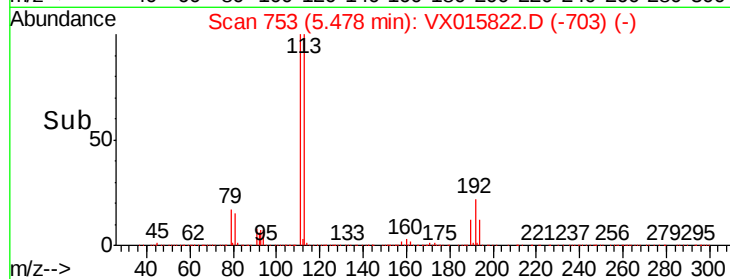
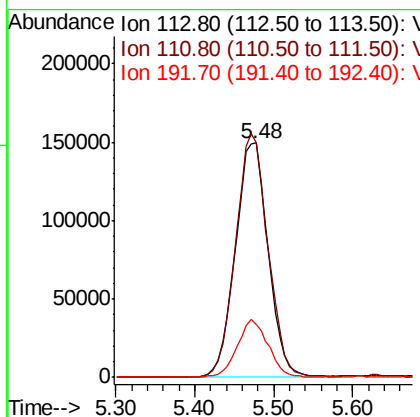
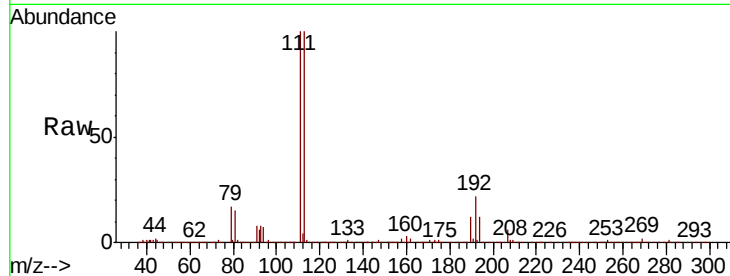




#35
 Dibromofluoromethane
 Concen: 45.367 ug/l
 RT: 5.48 min Scan# 753
 Delta R.T. 0.01 min
 Lab File: VX015822.D
 Acq: 22 Apr 2020 02:50

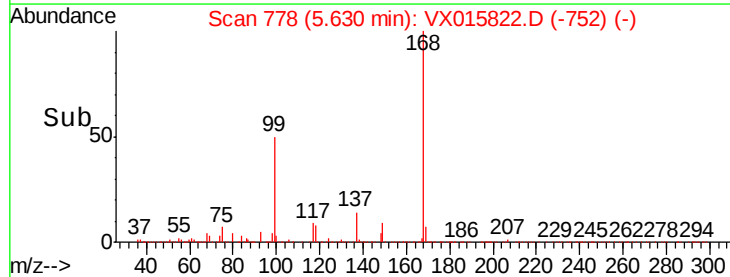
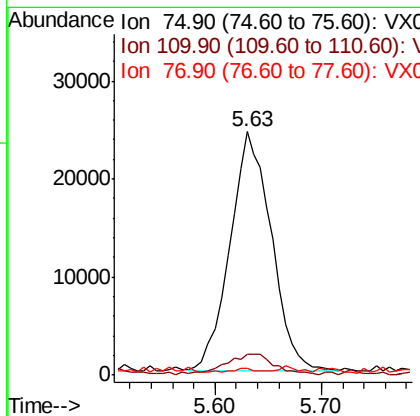
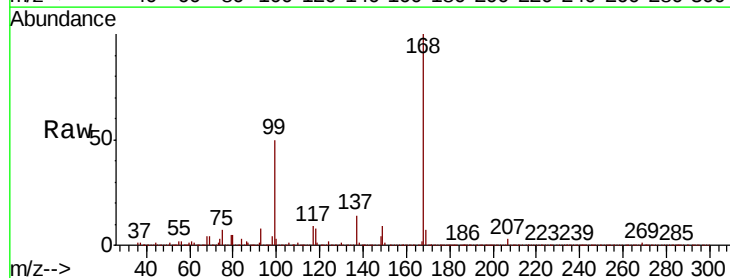
Instrument :
 MSVOA_X
 ClientSampleId :
 TP-21A

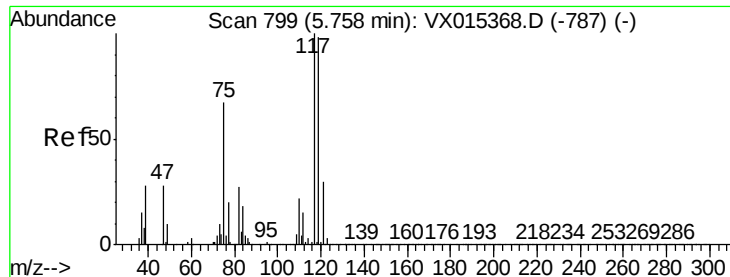
Tot Ion	Ratio	Lower	Upper
113	100		
111	101.8	81.5	122.3
192	22.9	17.8	26.6



#36
 1,1-Dichloropropene
 Concen: 4.765 ug/l
 RT: 5.63 min Scan# 778
 Delta R.T. -0.14 min
 Lab File: VX015822.D
 Acq: 22 Apr 2020 02:50

Tgt Ion	Ratio	Lower	Upper
75	100		
110	10.9	17.1	51.3#
77	0.8	24.6	36.8#





#38

Carbon Tetrachloride

Concen: 6.109 ug/l

RT: 5.64 min Scan# 779

Delta R.T. -0.12 min

Lab File: VX015822.D

Acq: 22 Apr 2020 02:50

Instrument :

MSVOA_X

ClientSampled :

TP-21A

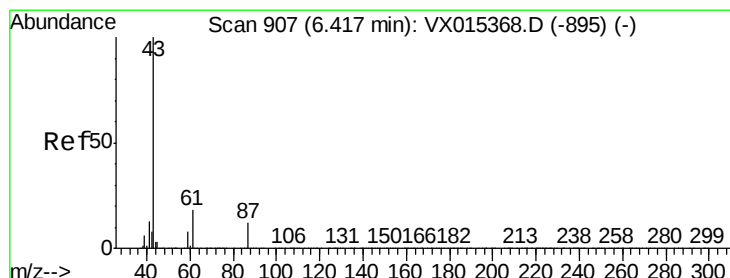
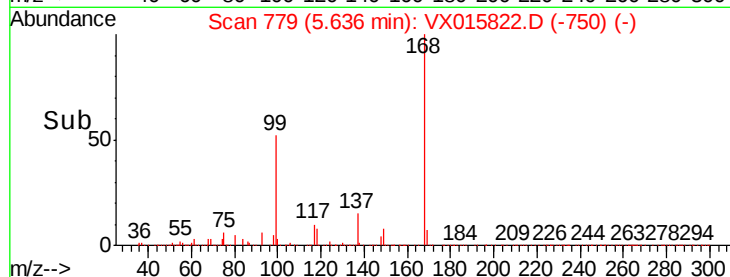
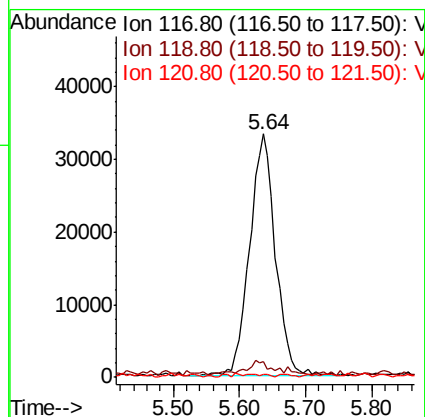
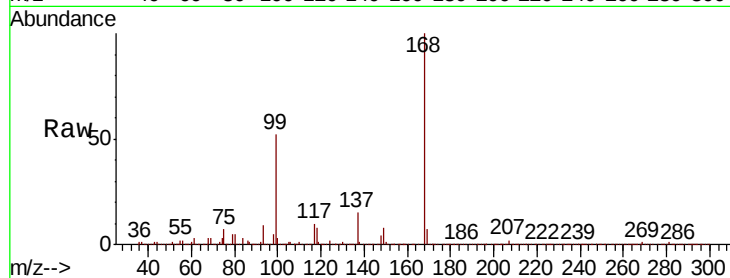
Tot Ion:117 Resp: 91086

Ion Ratio Lower Upper

117 100

119 4.7 78.0 117.0#

121 0.7 23.8 35.8#



#43

Isopropyl Acetate

Concen: 10.420 ug/l

RT: 6.42 min Scan# 907

Delta R.T. -0.00 min

Lab File: VX015822.D

Acq: 22 Apr 2020 02:50

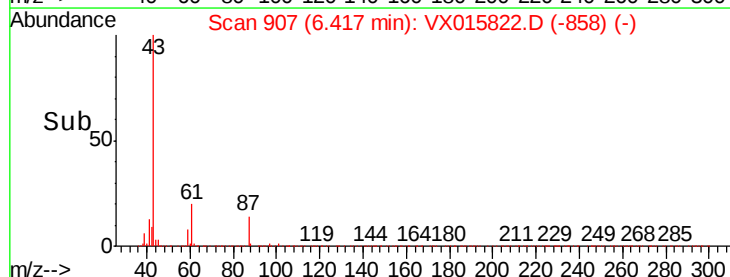
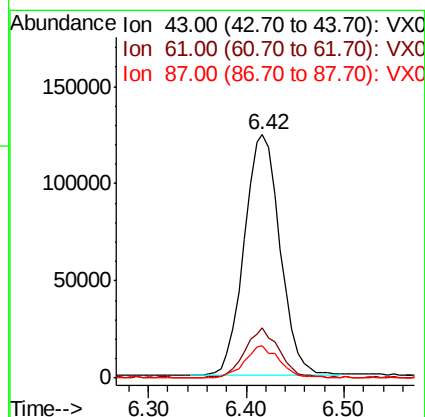
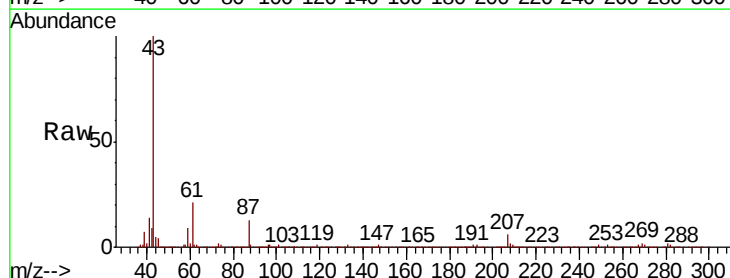
Tgt Ion: 43 Resp: 315296

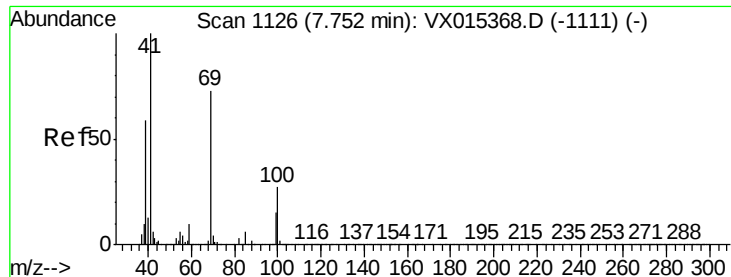
Ion Ratio Lower Upper

43 100

61 19.8 14.8 22.2

87 12.6 9.4 14.0





#48

Methyl methacrylate

Concen: 29.980 ug/l

RT: 7.86 min Scan# 1143

Delta R.T. 0.10 min

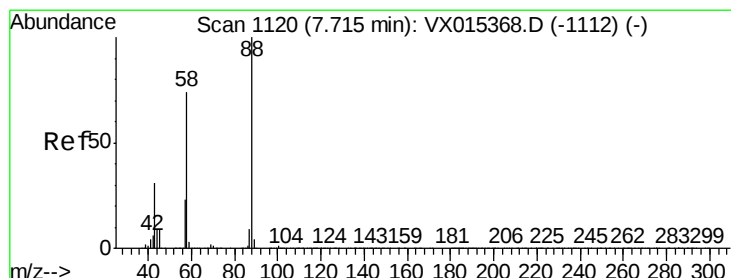
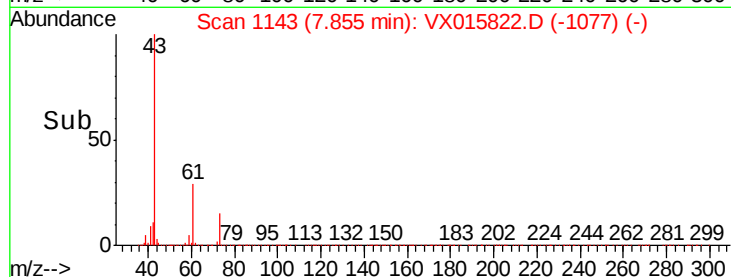
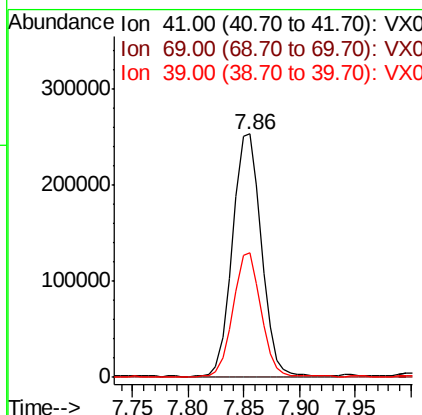
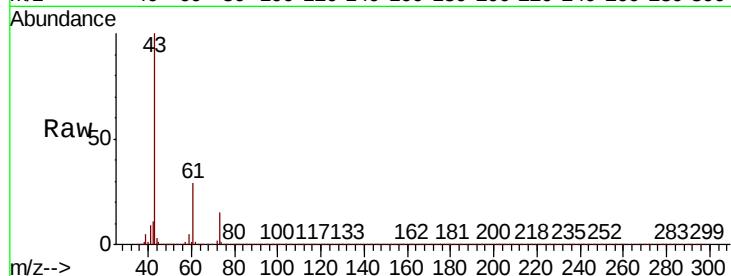
Lab File: VX015822.D

Acq: 22 Apr 2020 02:50

Instrument :
MSVOA_X
ClientSampled :
TP-21A

Tot Ion: 41 Resp: 453107

Ion	Ratio	Lower	Upper
41	100		
69	0.2	56.7	85.1#
39	50.0	46.5	69.7



#49

1,4-Dioxane

Concen: 7.590 ug/l

RT: 7.72 min Scan# 1120

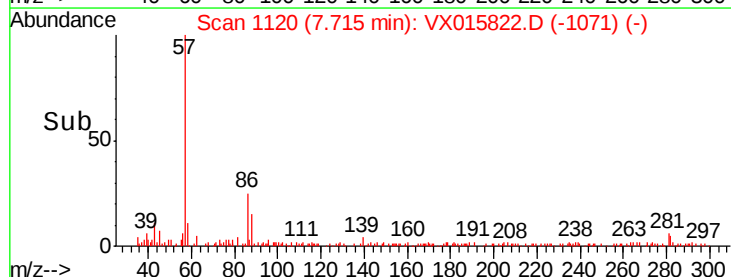
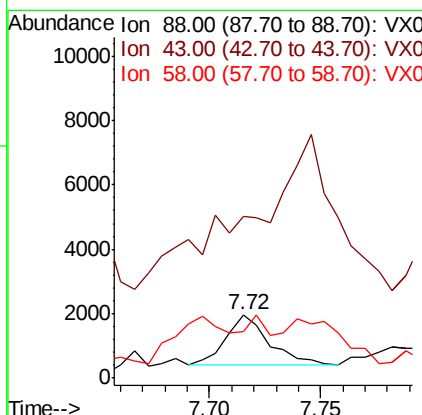
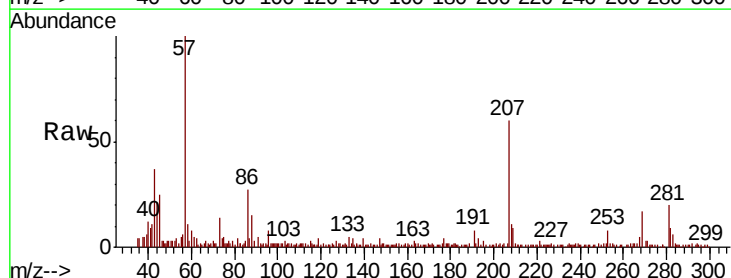
Delta R.T. -0.00 min

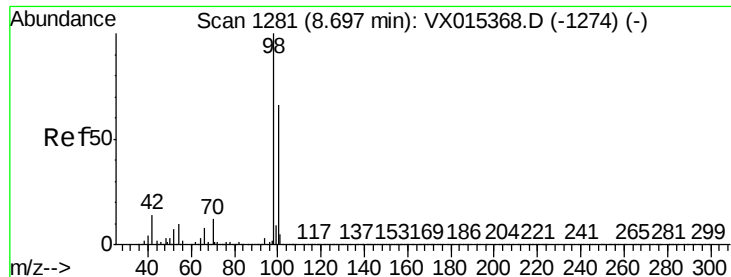
Lab File: VX015822.D

Acq: 22 Apr 2020 02:50

Tgt Ion: 88 Resp: 2140

Ion	Ratio	Lower	Upper
88	100		
43	0.0	30.1	45.1#
58	113.6	60.6	90.8#

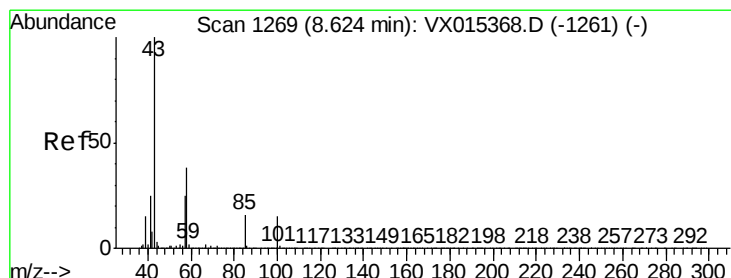
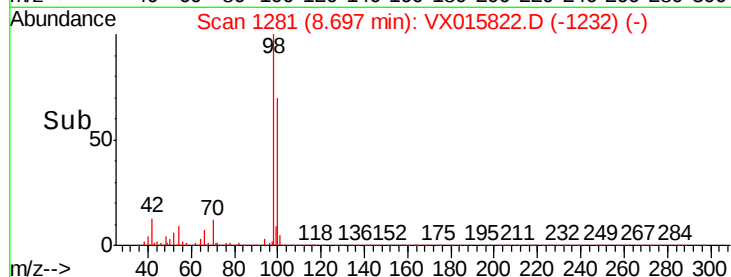
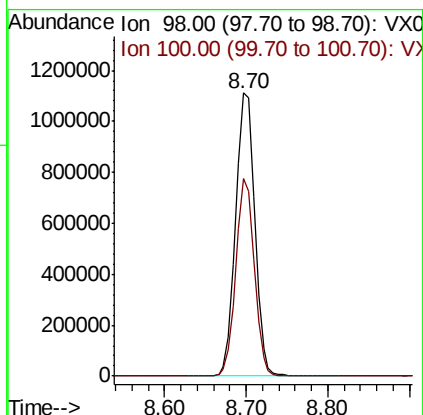
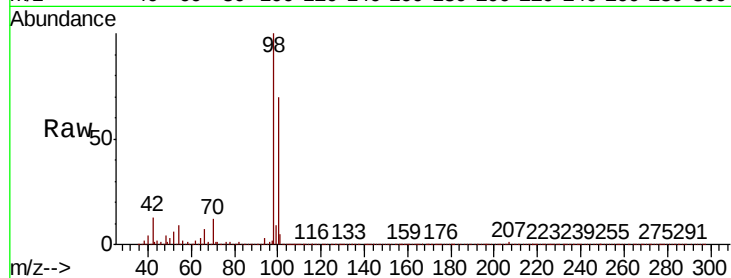




#50
Toluene-d8
Concen: 50.698 ug/l
RT: 8.70 min Scan# 1281
Delta R.T. -0.00 min
Lab File: VX015822.D
Acq: 22 Apr 2020 02:50

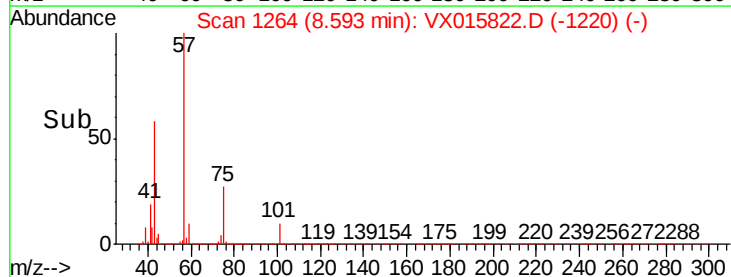
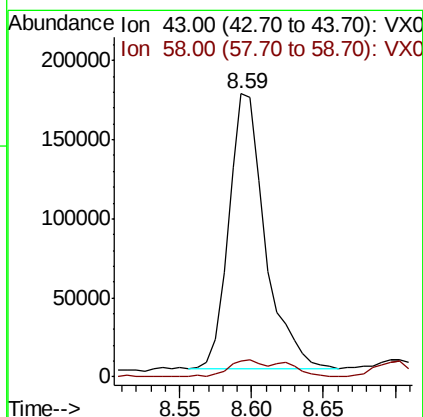
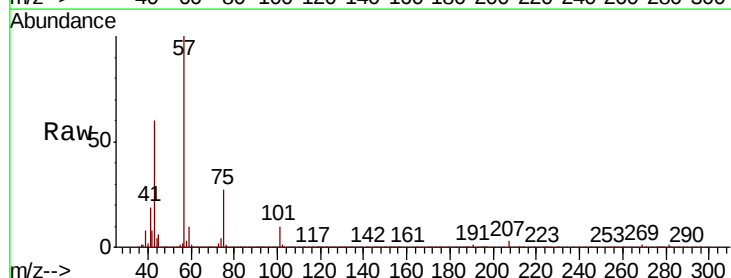
Instrument :
MSVOA_X
ClientSampleId :
TP-21A

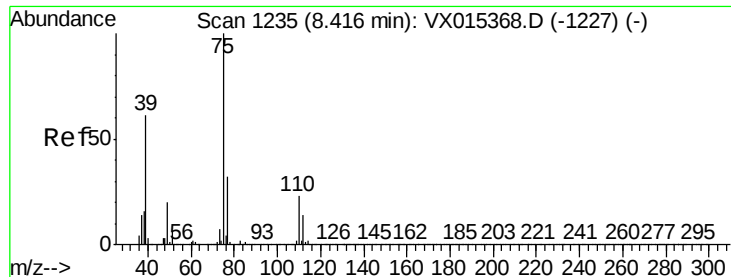
Tot Ion: 98 Resp: 1782645
Ion Ratio Lower Upper
98 100
100 67.2 53.5 80.3



#51
4-Methyl-2-Pentanone
Concen: 17.953 ug/l
RT: 8.59 min Scan# 1264
Delta R.T. -0.03 min
Lab File: VX015822.D
Acq: 22 Apr 2020 02:50

Tgt Ion: 43 Resp: 307853
Ion Ratio Lower Upper
43 100
58 5.8 29.7 44.5#





#54

cis-1,3-Dichloropropene

Concen: 7.071 ug/l

RT: 8.60 min Scan# 1265

Delta R.T. 0.18 min

Lab File: VX015822.D

Acq: 22 Apr 2020 02:50

Instrument :

MSVOA_X

ClientSampleId :

TP-21A

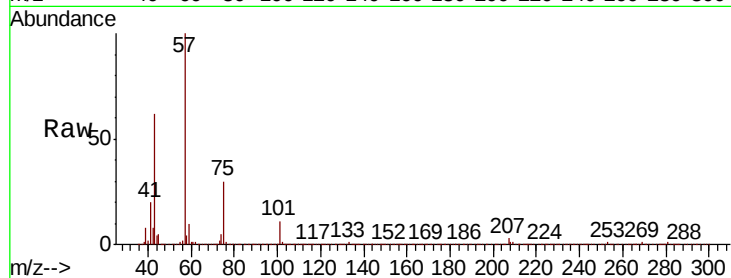
Tot Ion: 75 Resp: 130256

Ion Ratio Lower Upper

75 100

77 0.5 25.8 38.6#

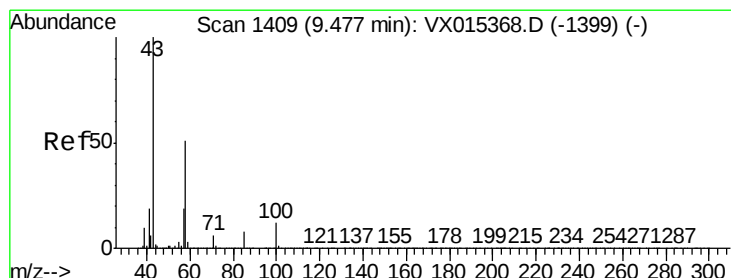
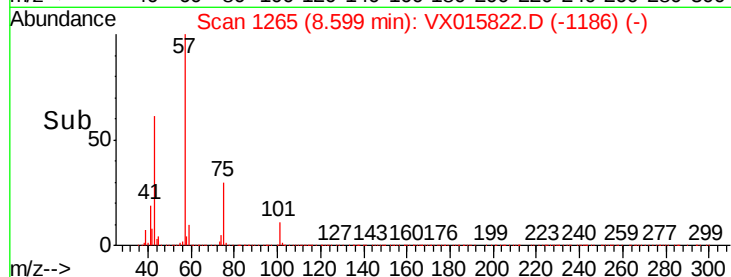
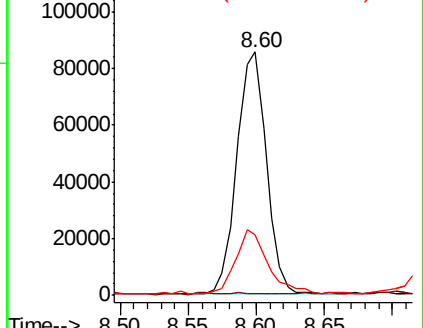
39 24.5 49.0 73.4#



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



#59

2-Hexanone

Concen: 23.578 ug/l

RT: 9.53 min Scan# 1417

Delta R.T. 0.05 min

Lab File: VX015822.D

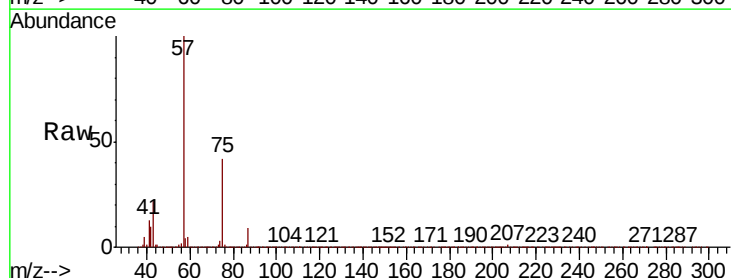
Acq: 22 Apr 2020 02:50

Tgt Ion: 43 Resp: 305240

Ion Ratio Lower Upper

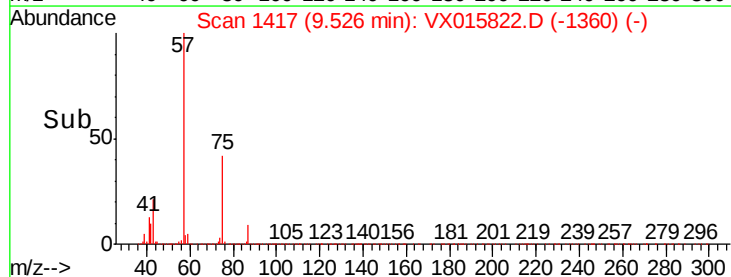
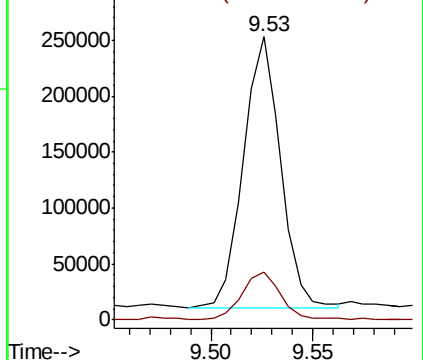
43 100

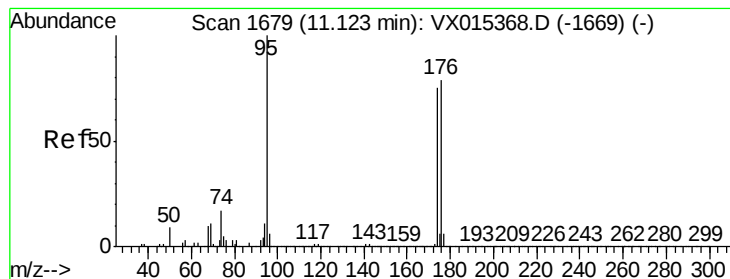
58 18.1 25.6 76.6#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#62

4-Bromofluorobenzene

Concen: 53.264 ug/l

RT: 11.12 min Scan# 1679

Delta R.T. -0.00 min

Lab File: VX015822.D

Acq: 22 Apr 2020 02:50

Instrument :

MSVOA_X

ClientSampled :

TP-21A

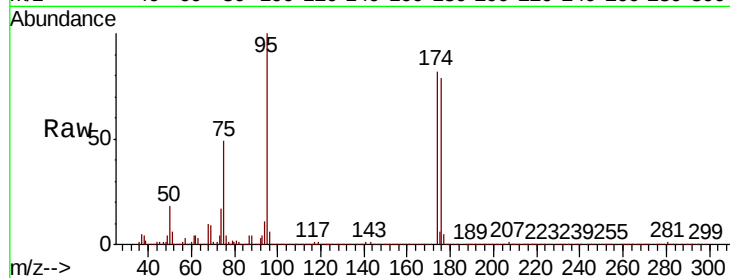
Tot Ion: 95 Resp: 761130

Ion Ratio Lower Upper

95 100

174 83.5 0.0 158.6

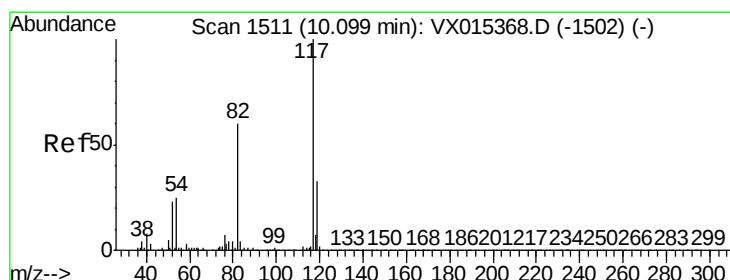
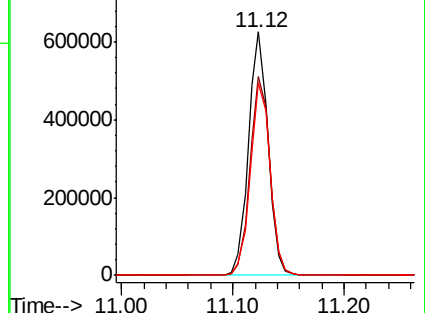
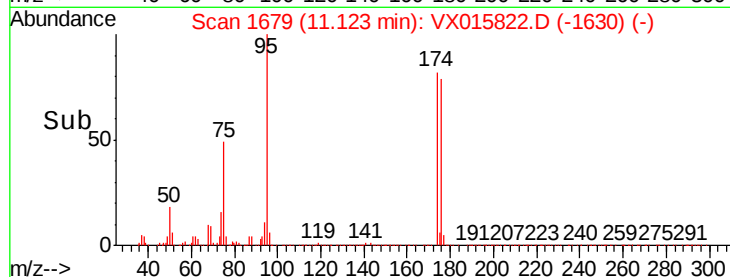
176 79.9 0.0 159.0



Abundance Ion 94.90 (94.60 to 95.60): VX015822.D (-1630) (-)

Ion 173.80 (173.50 to 174.50): VX015822.D (-1630) (-)

Ion 175.80 (175.50 to 176.50): VX015822.D (-1630) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.10 min Scan# 1511

Delta R.T. -0.00 min

Lab File: VX015822.D

Acq: 22 Apr 2020 02:50

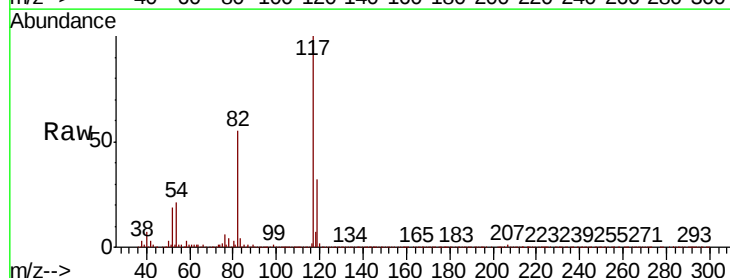
Tgt Ion: 117 Resp: 1452584

Ion Ratio Lower Upper

117 100

82 54.6 47.8 71.8

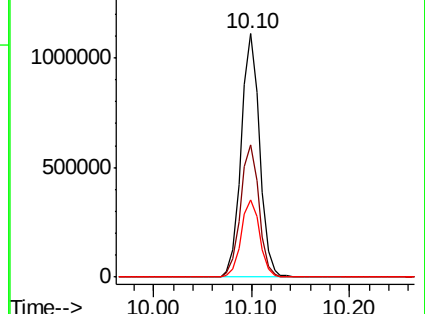
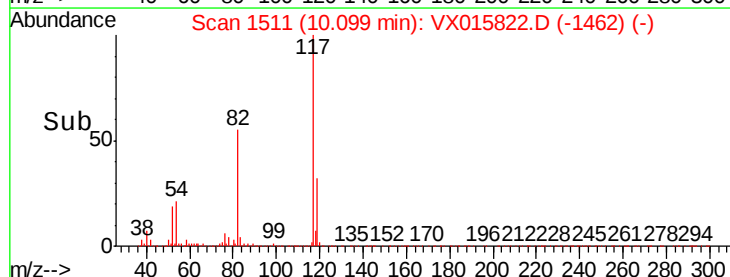
119 31.7 26.8 40.2

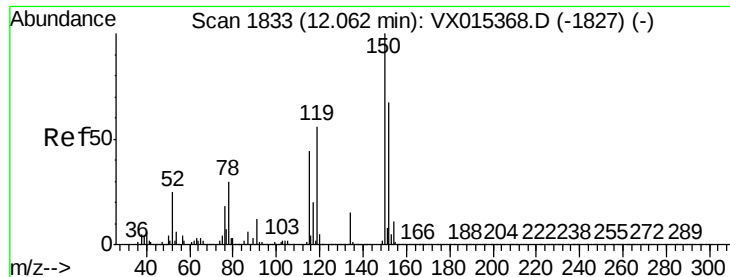


Abundance Ion 116.90 (116.60 to 117.60): VX015822.D (-1462) (-)

Ion 82.00 (81.70 to 82.70): VX015822.D (-1462) (-)

Ion 118.90 (118.60 to 119.60): VX015822.D (-1462) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.06 min Scan# 1833

Delta R.T. -0.00 min

Lab File: VX015822.D

Acq: 22 Apr 2020 02:50

Instrument :

MSVOA_X

ClientSampled :

TP-21A

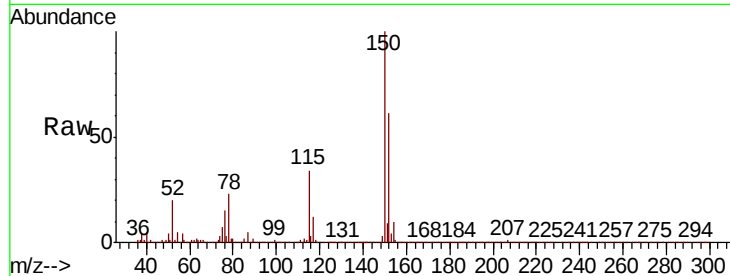
Tot Ion:152 Resp: 807148

Ion Ratio Lower Upper

152 100

115 55.7 39.0 116.9

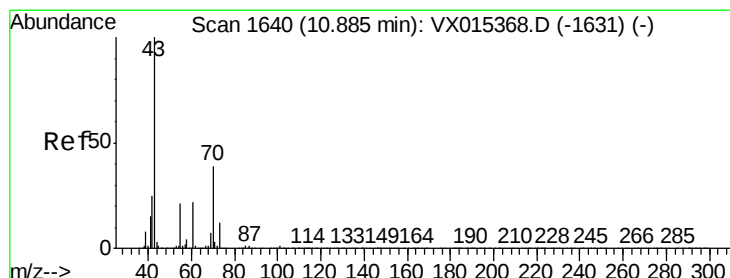
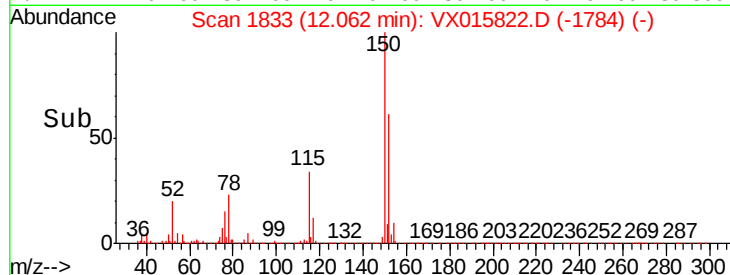
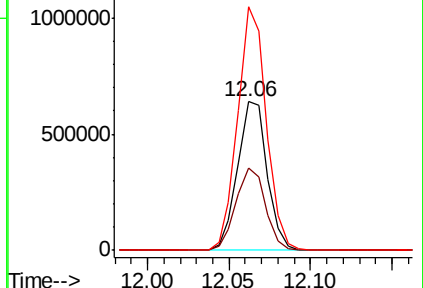
150 158.9 0.0 340.8



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: 0.283 ug/l

RT: 10.93 min Scan# 1647

Delta R.T. 0.04 min

Lab File: VX015822.D

Acq: 22 Apr 2020 02:50

Tgt Ion: 43 Resp: 8313

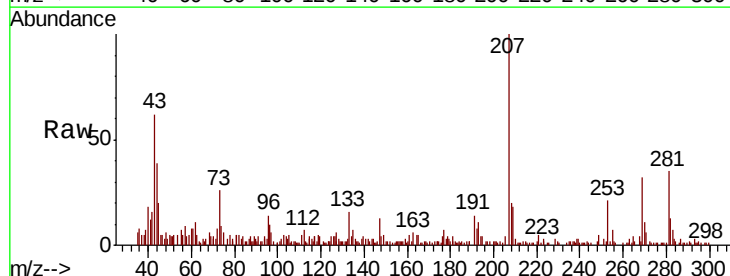
Ion Ratio Lower Upper

43 100

70 7.5 30.2 45.4#

55 0.0 16.8 25.2#

61 0.0 18.2 27.2#

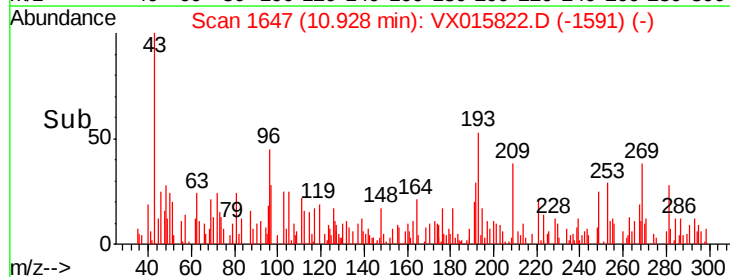
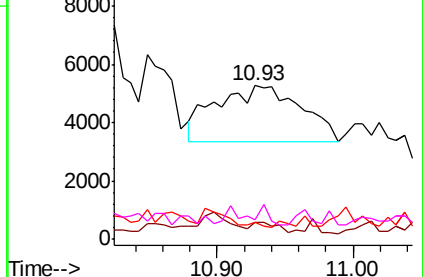


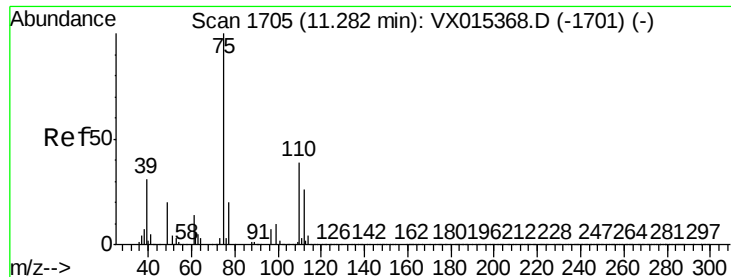
Abundance Ion 43.00 (42.70 to 43.70): VX0

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: 22.189 ug/l

RT: 11.12 min Scan# 1679

Delta R.T. -0.16 min

Lab File: VX015822.D

Acq: 22 Apr 2020 02:50

Instrument :

MSVOA_X

ClientSampleId :

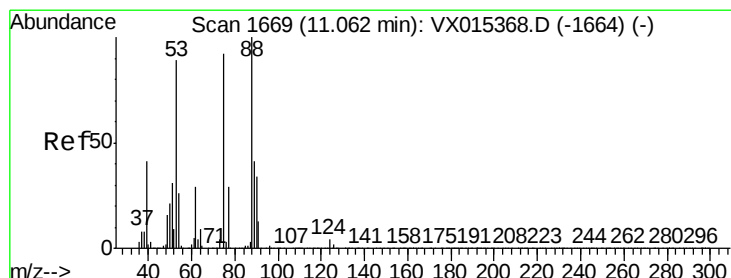
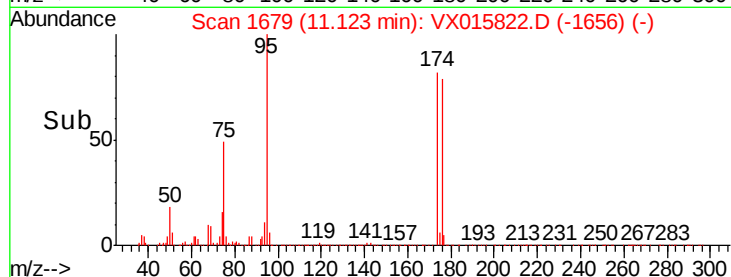
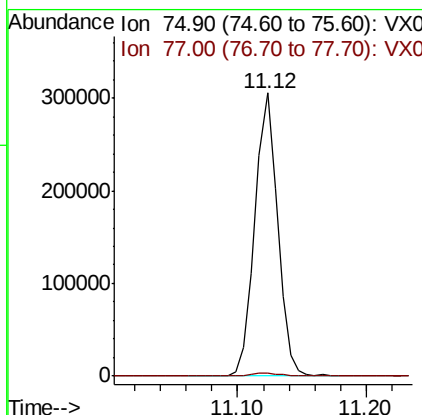
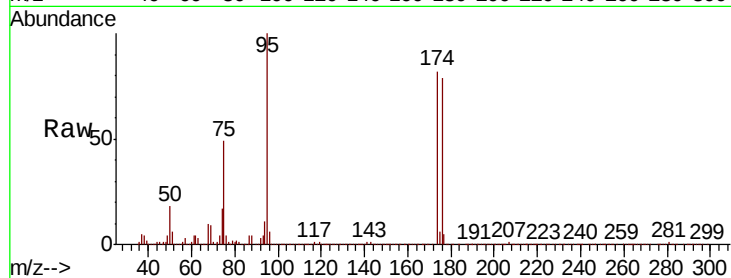
TP-21A

Tot Ion: 75 Resp: 368296

Ion Ratio Lower Upper

75 100

77 1.3 21.2 63.6#



#81

trans-1,4-Dichloro-2-butene

Concen: 53.241 ug/l

RT: 11.12 min Scan# 1679

Delta R.T. 0.06 min

Lab File: VX015822.D

Acq: 22 Apr 2020 02:50

Tgt Ion: 75 Resp: 368296

Ion Ratio Lower Upper

75 100

53 0.0 80.1 120.1#

89 0.2 36.1 54.1#

