

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX042120\
 Data File : VX015821.D
 Acq On : 22 Apr 2020 02:28
 Operator : JC/SP
 Sample : L2351-08
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 43 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TP-20A

Quant Time: Apr 22 04:27:19 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	921705	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	1409104	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	1366750	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	770545	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	505421	38.88	ug/l	0.00
Spiked Amount			Recovery	=	77.76%	
35) Dibromofluoromethane	5.47	113	411174	45.65	ug/l	0.00
Spiked Amount			Recovery	=	91.30%	
50) Toluene-d8	8.70	98	1692159	51.03	ug/l	0.00
Spiked Amount			Recovery	=	102.06%	
62) 4-Bromofluorobenzene	11.12	95	710943	52.75	ug/l	0.00
Spiked Amount			Recovery	=	105.50%	

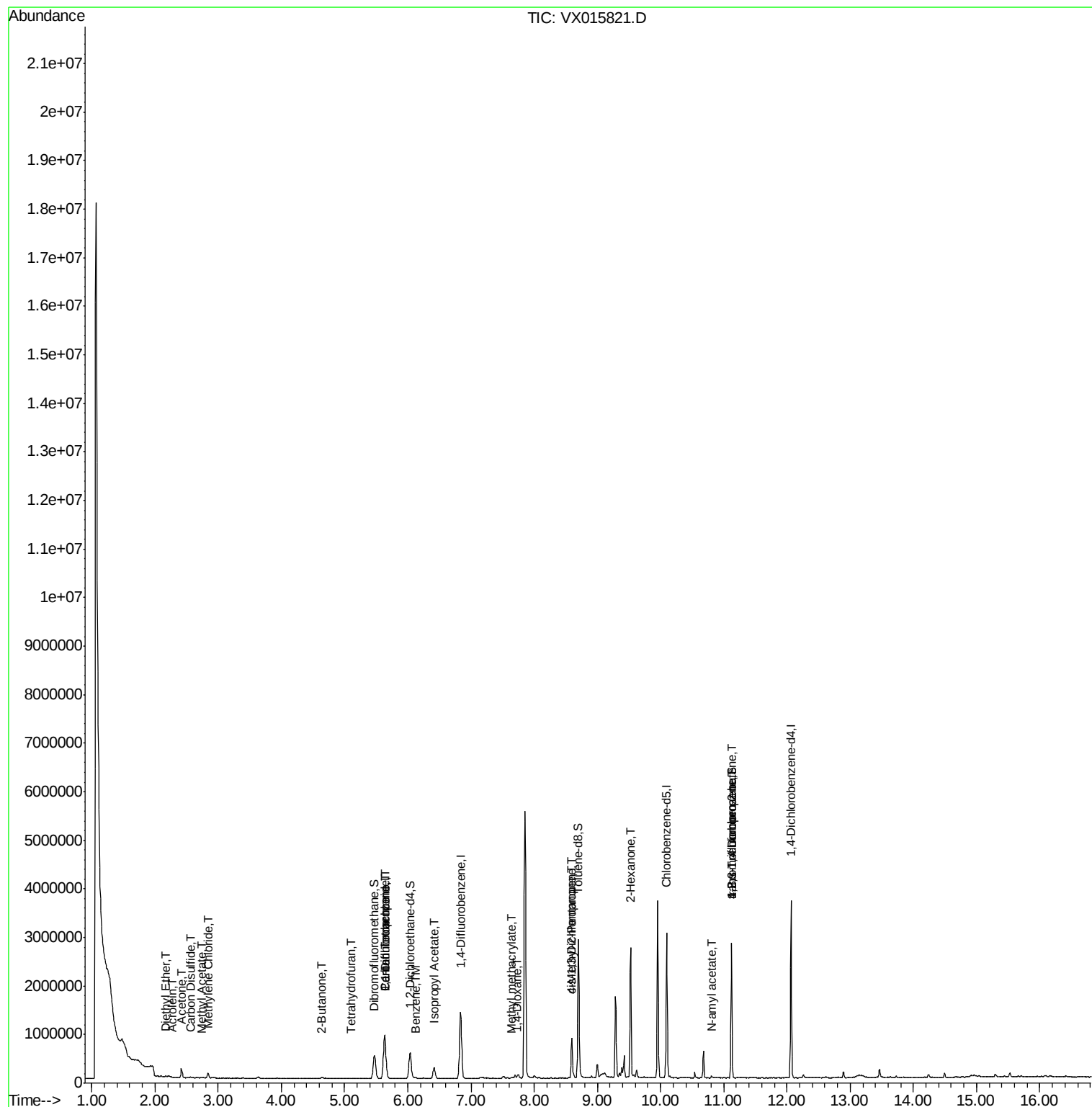
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.62	94	532	Below Cal	#	21
8) Diethyl Ether	2.17	74	1514	0.282	ug/l	69
13) Acrolein	2.28	56	1136	0.641	ug/l #	13
16) Acetone	2.42	43	209799	37.565	ug/l	94
17) Carbon Disulfide	2.56	76	27733	1.045	ug/l #	92
18) Methyl Acetate	2.75	43	13882	0.974	ug/l #	89
20) Methylene Chloride	2.84	84	46248	4.433	ug/l	85
25) 2-Butanone	4.64	43	22365	2.490	ug/l	90
29) Tetrahydrofuran	5.10	42	3450	0.597	ug/l #	62
36) 1,1-Dichloropropene	5.63	75	60402	4.652	ug/l #	52
38) Carbon Tetrachloride	5.64	117	81812	5.818	ug/l #	16
40) Benzene	6.12	78	12075	0.317	ug/l	91
43) Isopropyl Acetate	6.42	43	320311	11.224	ug/l	97
48) Methyl methacrylate	7.65	41	20787	1.458	ug/l #	18
49) 1,4-Dioxane	7.72	88	2458	9.244	ug/l #	20
51) 4-Methyl-2-Pentanone	8.59	43	308228	19.058	ug/l #	54
54) cis-1,3-Dichloropropene	8.59	75	135115	7.777	ug/l #	47
59) 2-Hexanone	9.53	43	314911	25.791	ug/l #	53
74) N-amyl acetate	10.81	43	27536	0.981	ug/l #	51
76) 1,2,3-Trichloropropane	11.12	75	342660	21.625	ug/l #	35
81) trans-1,4-Dichloro-2-buten	11.12	75	342660	51.888	ug/l #	10

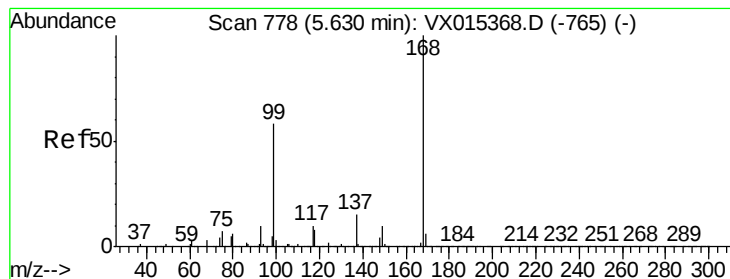
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX042120\
Data File : VX015821.D
Acq On : 22 Apr 2020 02:28
Operator : JC/SP
Sample : L2351-08
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 43 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
TP-20A

Quant Time: Apr 22 04:27:19 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: VX015821.D

Acq: 22 Apr 2020 02:28

Instrument :

MSVOA_X

ClientSampleId :

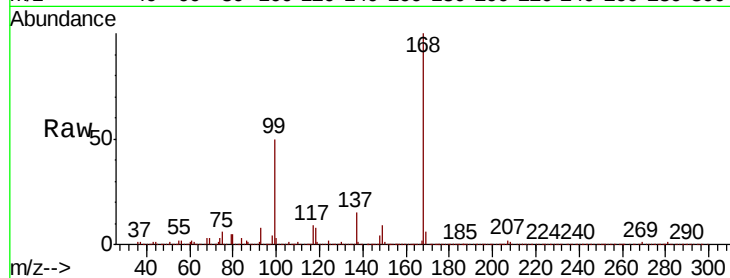
TP-20A

Tot Ion:168 Resp: 921705

Ion Ratio Lower Upper

168 100

99 50.2 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

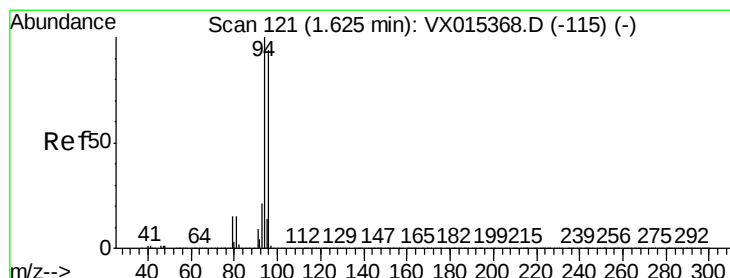
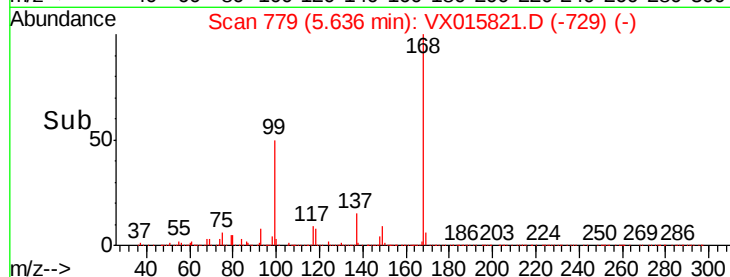
300000

200000

100000

0

Time-->



#5

Bromomethane

Concen: Below Cal

RT: 1.62 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX015821.D

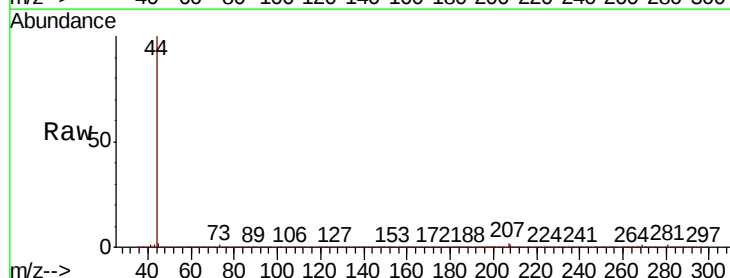
Acq: 22 Apr 2020 02:28

Tgt Ion: 94 Resp: 532

Ion Ratio Lower Upper

94 100

96 17.2 74.8 112.2#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

2500

2000

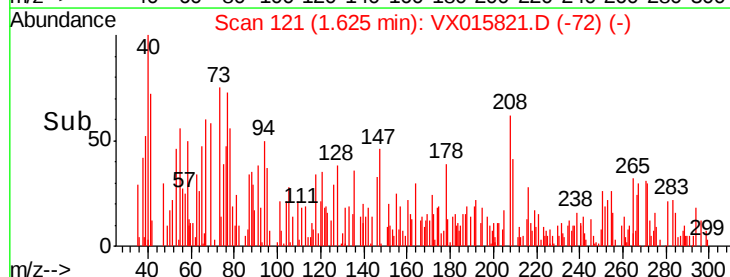
1500

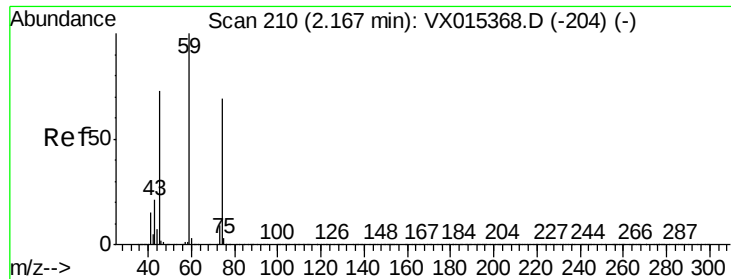
1000

500

0

Time-->





#8

Diethyl Ether

Concen: 0.282 ug/l

RT: 2.17 min Scan# 210

Delta R.T. -0.00 min

Lab File: VX015821.D

Acq: 22 Apr 2020 02:28

Instrument :

MSVOA_X

ClientSampleId :

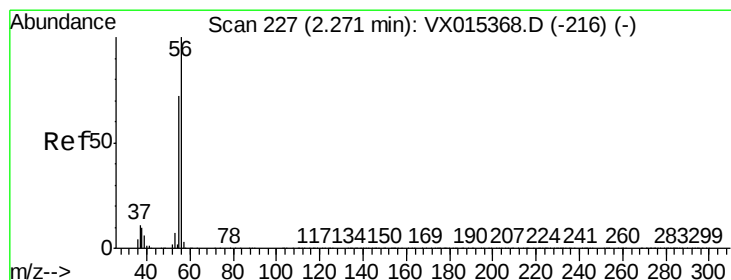
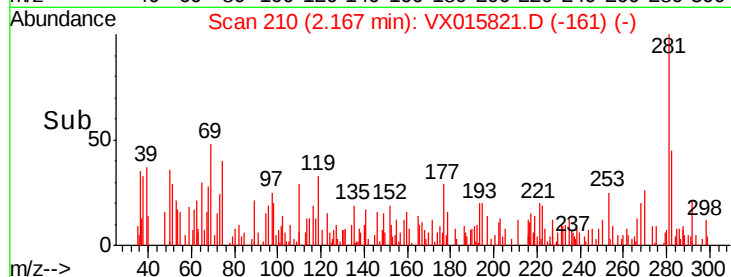
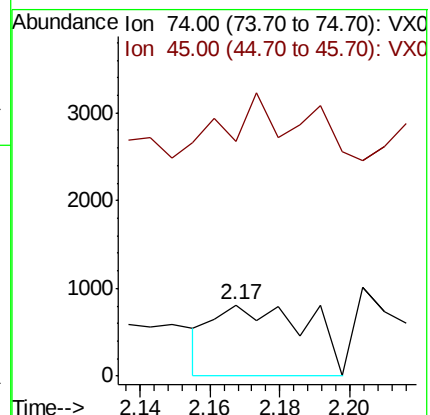
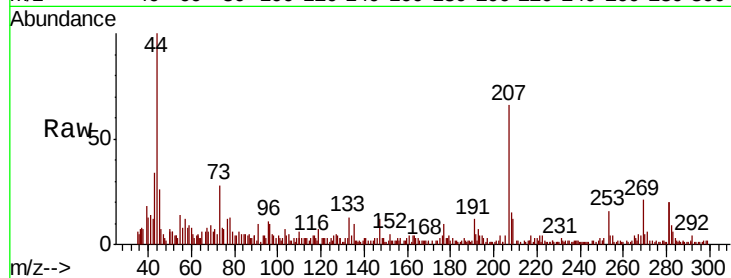
TP-20A

Tot Ion: 74 Resp: 1514

Ion Ratio Lower Upper

74 100

45 75.4 53.8 161.4



#13

Acrolein

Concen: 0.641 ug/l

RT: 2.28 min Scan# 228

Delta R.T. 0.01 min

Lab File: VX015821.D

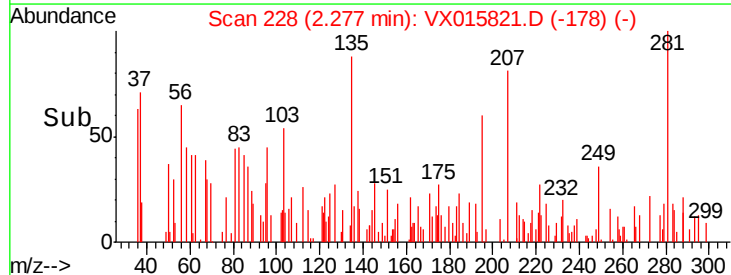
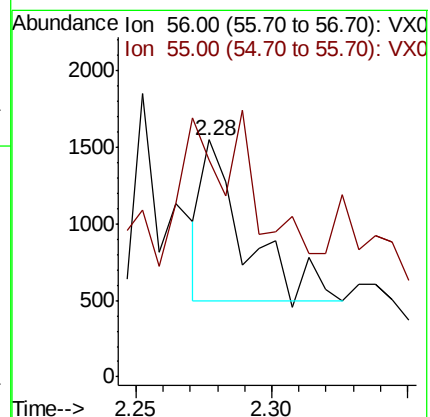
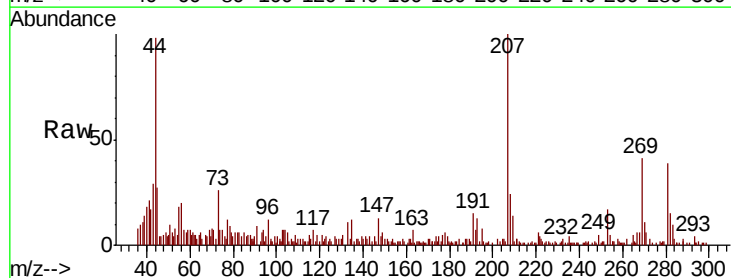
Acq: 22 Apr 2020 02:28

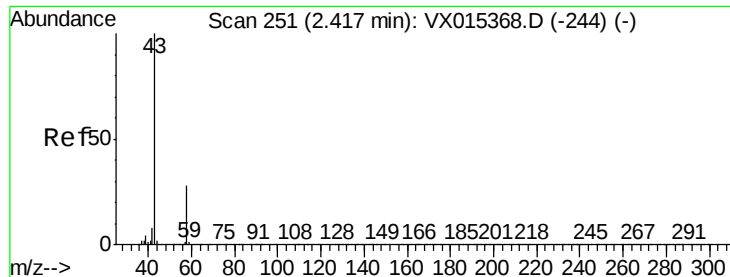
Tgt Ion: 56 Resp: 1136

Ion Ratio Lower Upper

56 100

55 143.5 57.0 85.4#





#16

Acetone

Concen: 37.565 ug/l

RT: 2.42 min Scan# 251

Delta R.T. -0.00 min

Lab File: VX015821.D

Acq: 22 Apr 2020 02:28

Instrument :

MSVOA_X

ClientSampled :

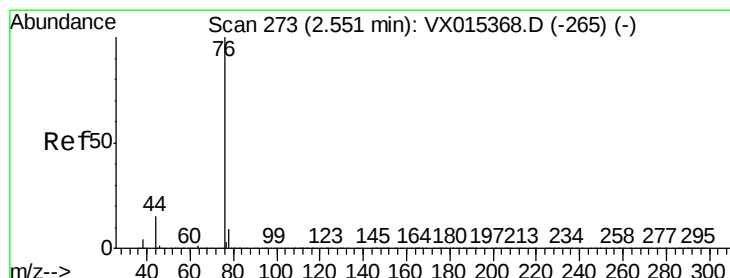
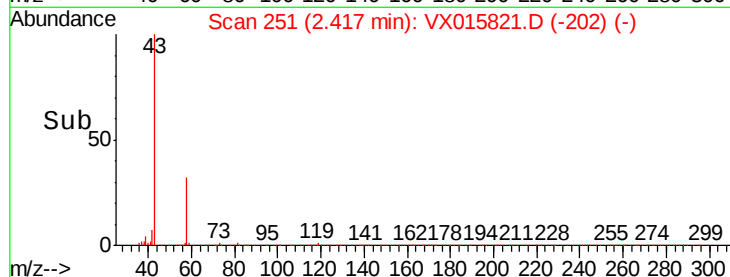
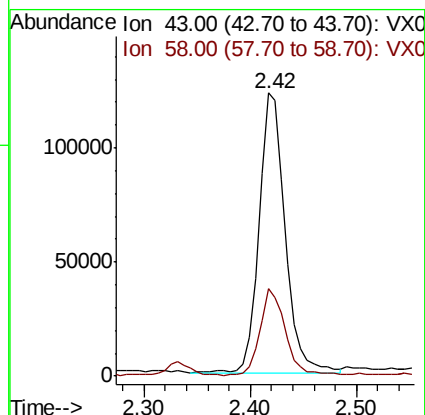
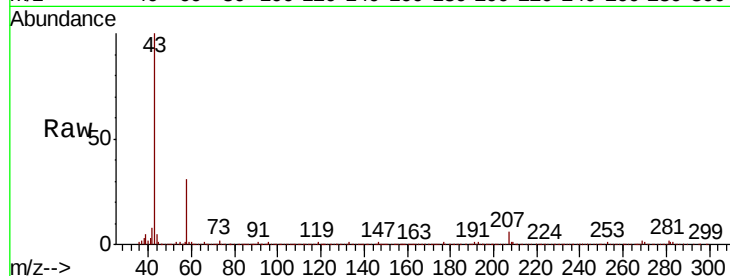
TP-20A

Tot Ion: 43 Resp: 209799

Ion Ratio Lower Upper

43 100

58 31.0 22.1 33.1



#17

Carbon Disulfide

Concen: 1.045 ug/l

RT: 2.56 min Scan# 274

Delta R.T. 0.01 min

Lab File: VX015821.D

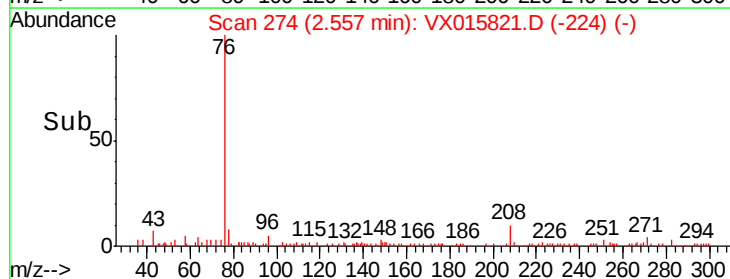
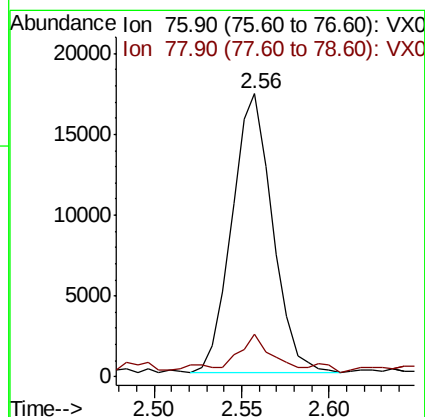
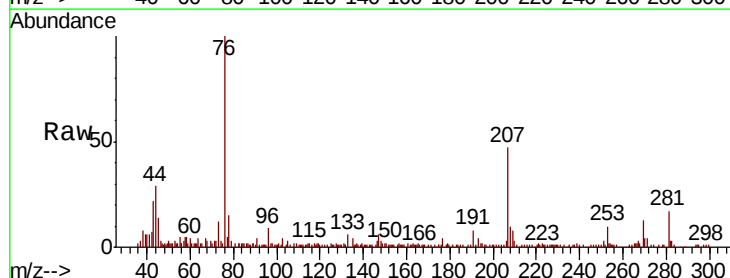
Acq: 22 Apr 2020 02:28

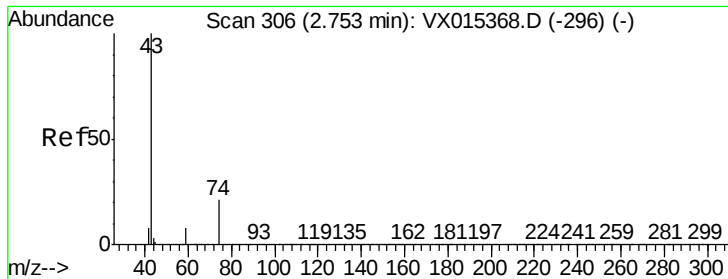
Tgt Ion: 76 Resp: 27733

Ion Ratio Lower Upper

76 100

78 11.9 7.1 10.7#

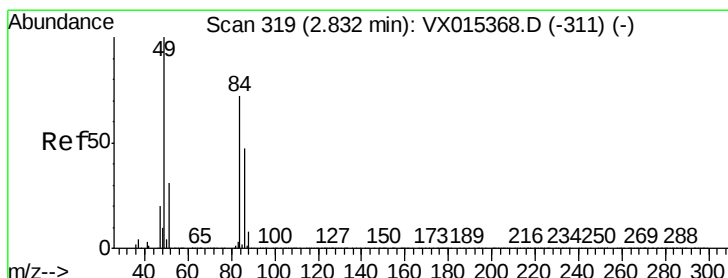
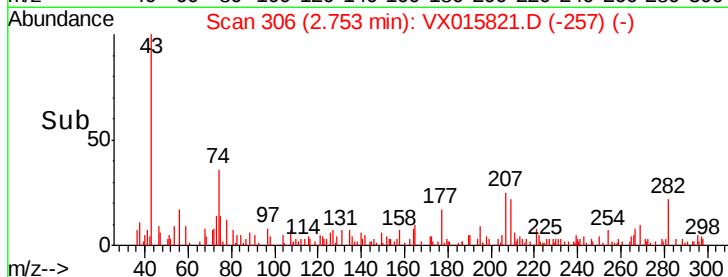
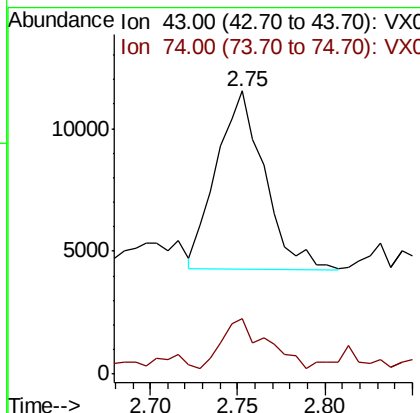
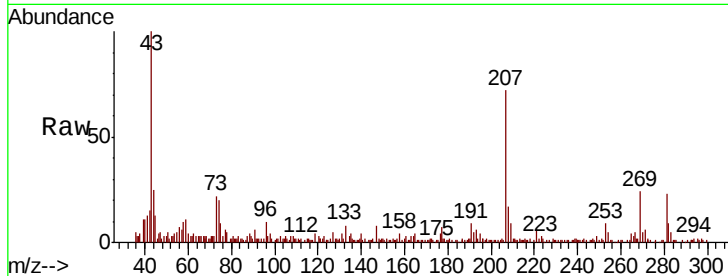




#18
Methyl Acetate
Concen: 0.974 ug/l
RT: 2.75 min Scan# 306
Delta R.T. -0.00 min
Lab File: VX015821.D
Acq: 22 Apr 2020 02:28

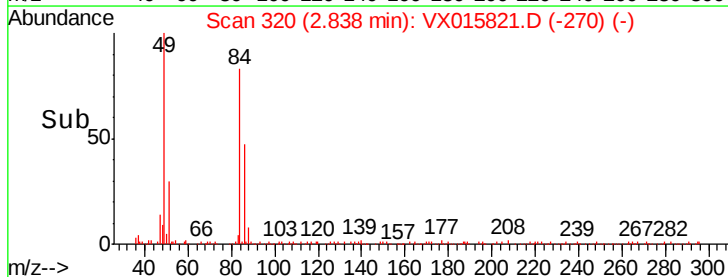
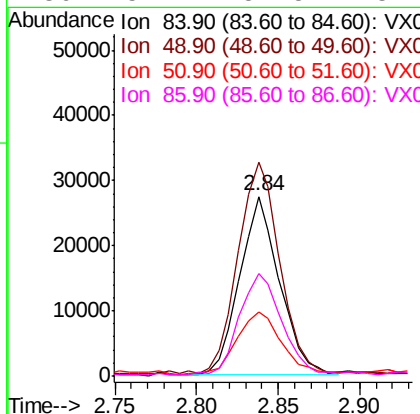
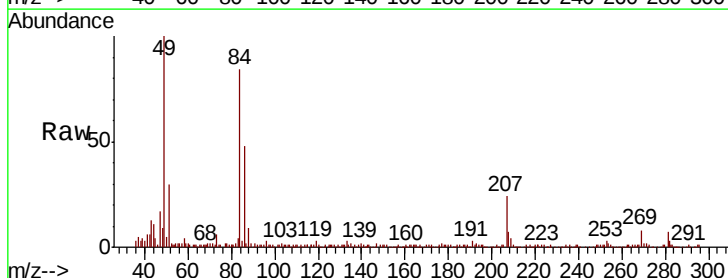
Instrument :
MSVOA_X
ClientSampled :
TP-20A

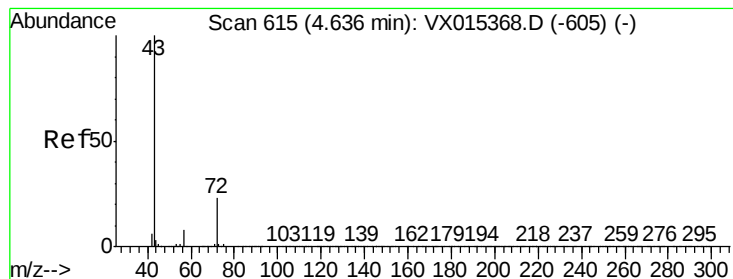
Tot Ion: 43 Resp: 13882
Ion Ratio Lower Upper
43 100
74 25.7 16.5 24.7#



#20
Methylene Chloride
Concen: 4.433 ug/l
RT: 2.84 min Scan# 320
Delta R.T. 0.01 min
Lab File: VX015821.D
Acq: 22 Apr 2020 02:28

Tgt Ion: 84 Resp: 46248
Ion Ratio Lower Upper
84 100
49 117.7 111.3 166.9
51 35.0 34.0 51.0
86 57.4 52.5 78.7





#25

2-Butanone

Concen: 2.490 ug/l

RT: 4.64 min Scan# 615

Delta R.T. -0.00 min

Lab File: VX015821.D

Acq: 22 Apr 2020 02:28

Instrument :

MSVOA_X

ClientSampleId :

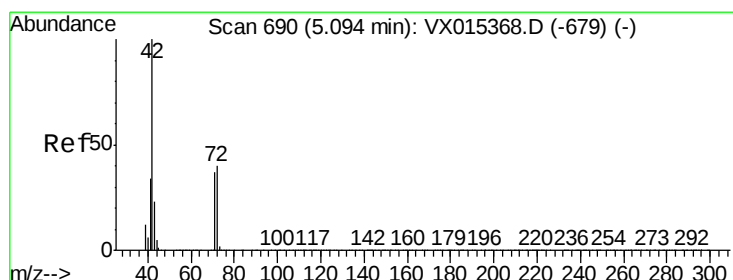
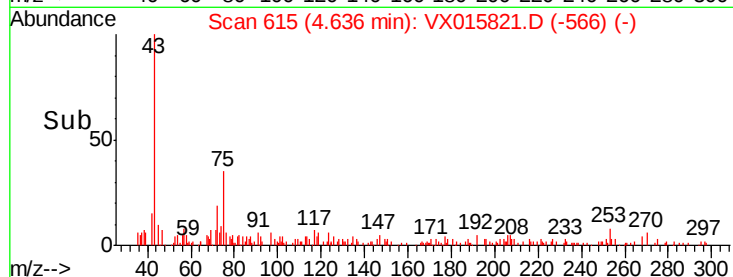
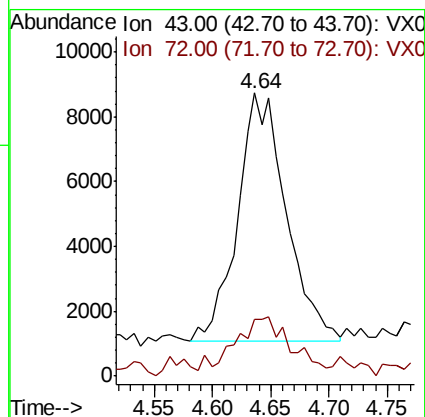
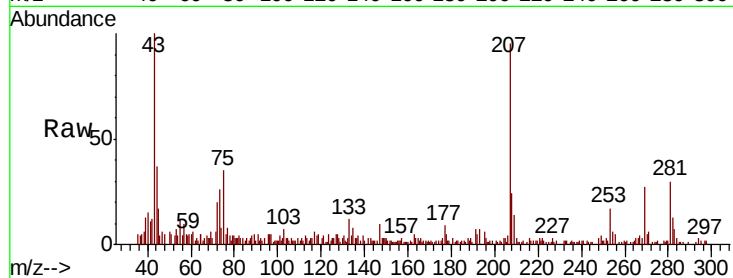
TP-20A

Tot Ion: 43 Resp: 22365

Ion Ratio Lower Upper

43 100

72 19.0 19.0 28.4



#29

Tetrahydrofuran

Concen: 0.597 ug/l

RT: 5.10 min Scan# 691

Delta R.T. 0.01 min

Lab File: VX015821.D

Acq: 22 Apr 2020 02:28

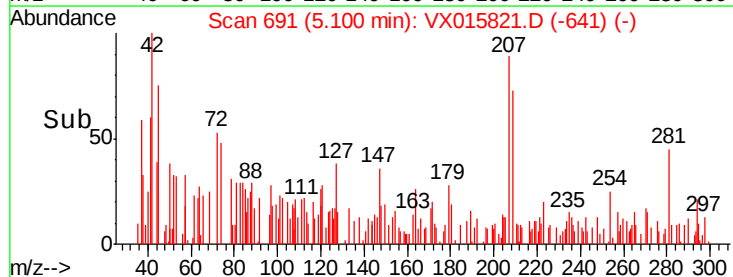
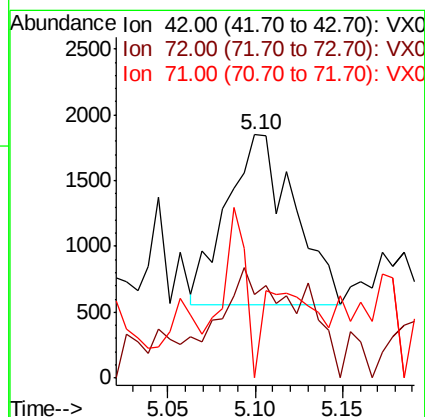
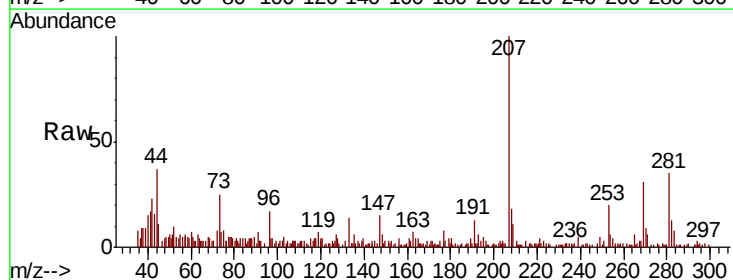
Tgt Ion: 42 Resp: 3450

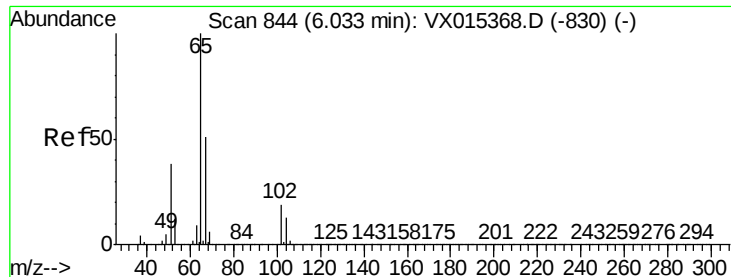
Ion Ratio Lower Upper

42 100

72 0.0 31.7 47.5#

71 42.2 29.6 44.4





#33

1,2-Dichloroethane-d4

Concen: 38.880 ug/l

RT: 6.04 min Scan# 845

Delta R.T. 0.01 min

Lab File: VX015821.D

Acq: 22 Apr 2020 02:28

Instrument :

MSVOA_X

ClientSampleId :

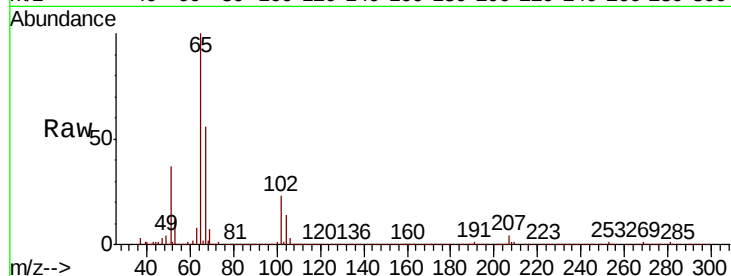
TP-20A

Tot Ion: 65 Resp: 505421

Ion Ratio Lower Upper

65 100

67 53.2 0.0 102.6



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

6.04

200000

150000

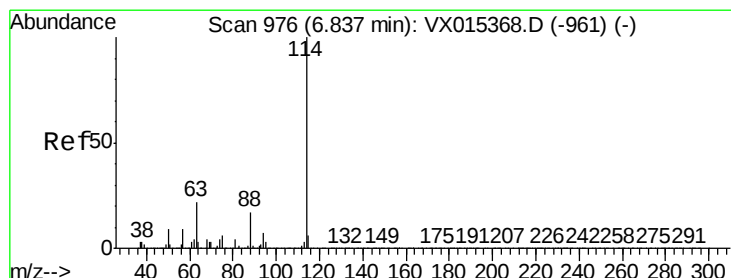
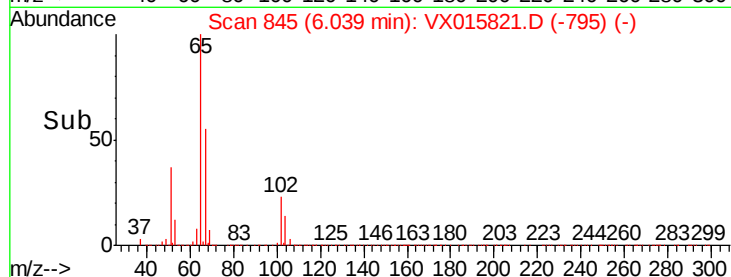
100000

50000

0

Time-->

5.90 6.00 6.10



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.84 min Scan# 976

Delta R.T. -0.00 min

Lab File: VX015821.D

Acq: 22 Apr 2020 02:28

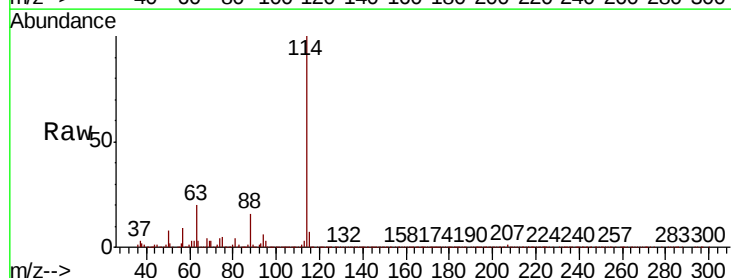
Tgt Ion: 114 Resp: 1409104

Ion Ratio Lower Upper

114 100

63 20.3 0.0 44.2

88 16.2 0.0 33.8



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

800000

600000

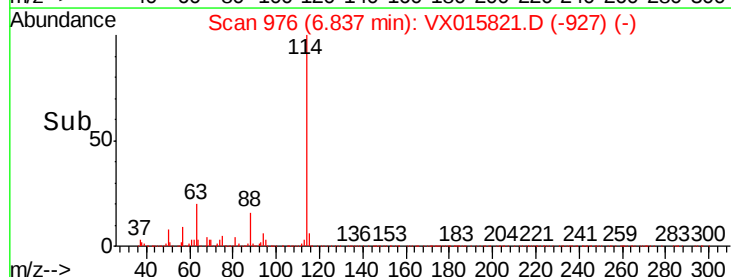
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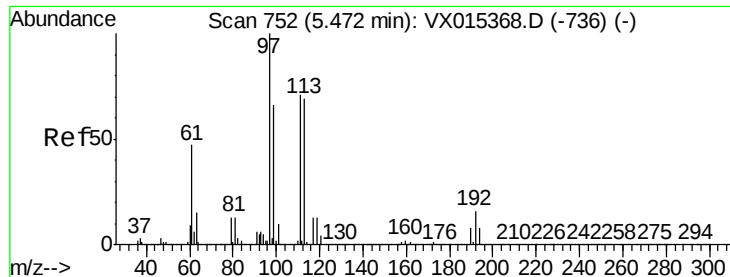
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Time-->

6.70 6.80 6.90

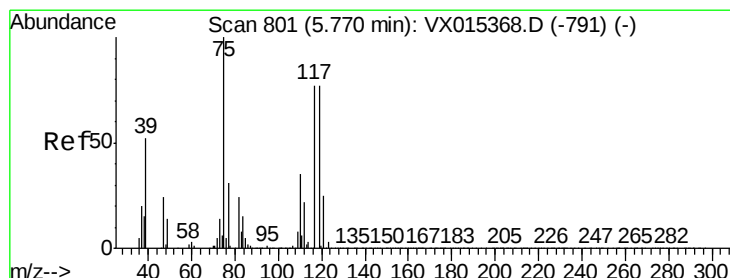
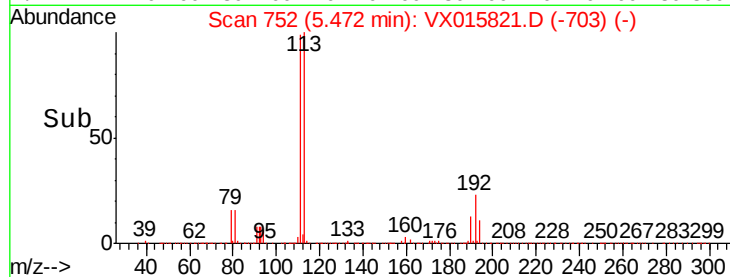
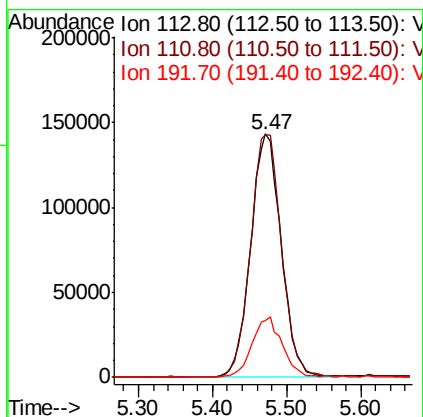
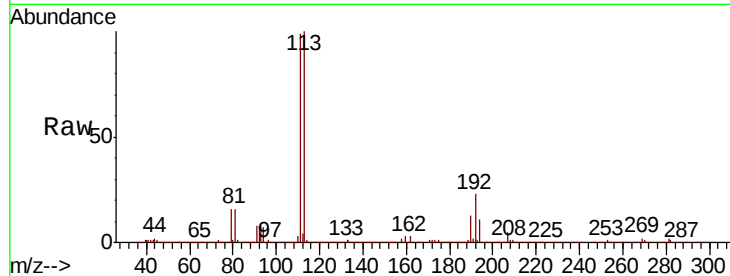




#35
 Dibromofluoromethane
 Concen: 45.649 ug/l
 RT: 5.47 min Scan# 752
 Delta R.T. -0.00 min
 Lab File: VX015821.D
 Acq: 22 Apr 2020 02:28

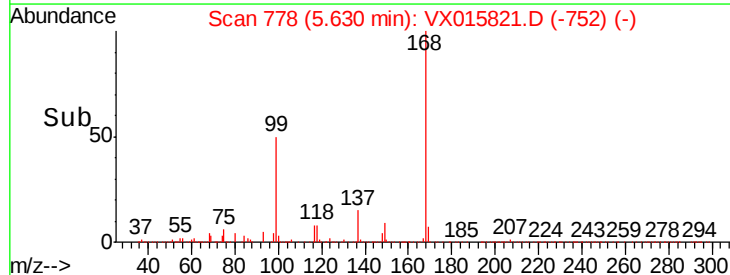
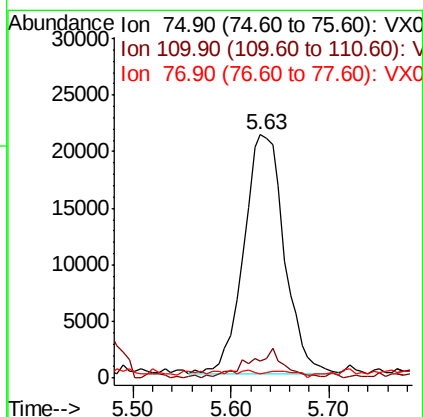
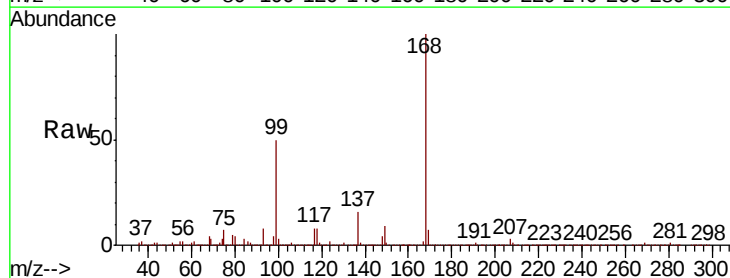
Instrument :
 MSVOA_X
 ClientSampleId :
 TP-20A

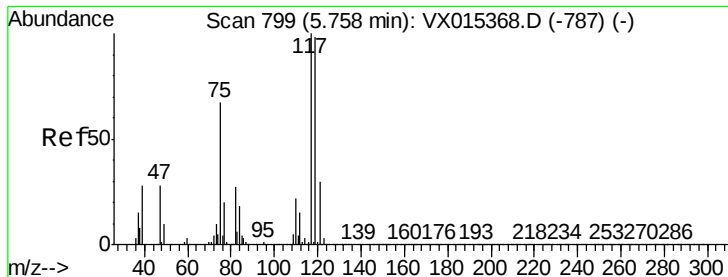
Tot Ion	Ratio	Lower	Upper
113	100		
111	101.3	81.5	122.3
192	24.7	17.8	26.6



#36
 1,1-Dichloropropene
 Concen: 4.652 ug/l
 RT: 5.63 min Scan# 778
 Delta R.T. -0.14 min
 Lab File: VX015821.D
 Acq: 22 Apr 2020 02:28

Tgt Ion	Ratio	Lower	Upper
75	100		
110	10.9	17.1	51.3#
77	0.0	24.6	36.8#





#38

Carbon Tetrachloride

Concen: 5.818 ug/l

RT: 5.64 min Scan# 779

Delta R.T. -0.12 min

Lab File: VX015821.D

Acq: 22 Apr 2020 02:28

Instrument :

MSVOA_X

ClientSampleId :

TP-20A

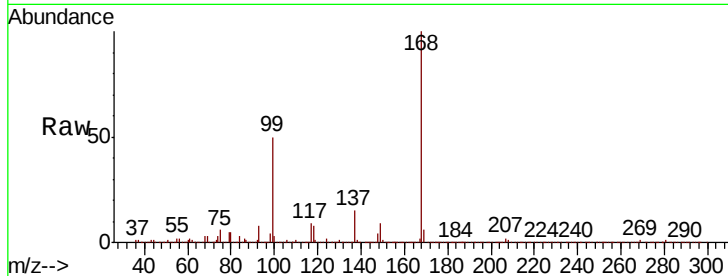
Tot Ion:117 Resp: 81812

Ion Ratio Lower Upper

117 100

119 5.4 78.0 117.0#

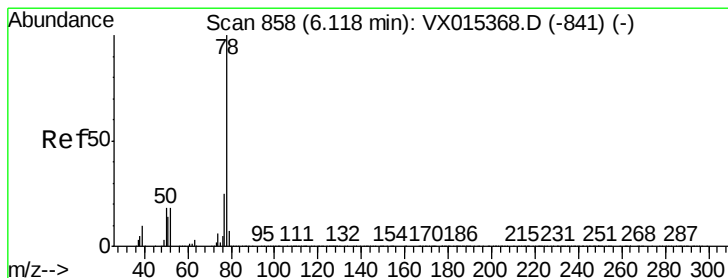
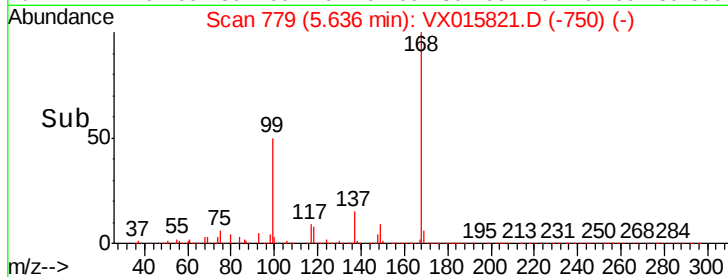
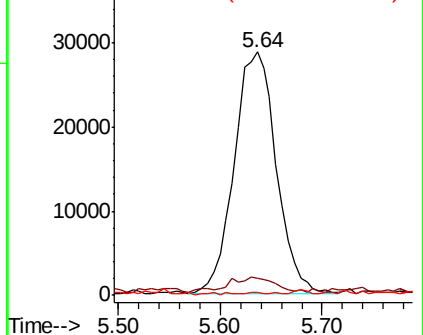
121 0.5 23.8 35.8#



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



#40

Benzene

Concen: 0.317 ug/l

RT: 6.12 min Scan# 858

Delta R.T. -0.00 min

Lab File: VX015821.D

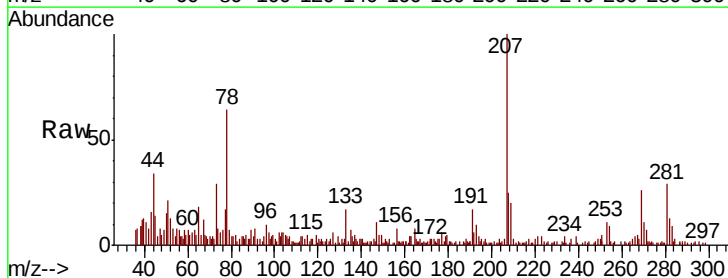
Acq: 22 Apr 2020 02:28

Tgt Ion: 78 Resp: 12075

Ion Ratio Lower Upper

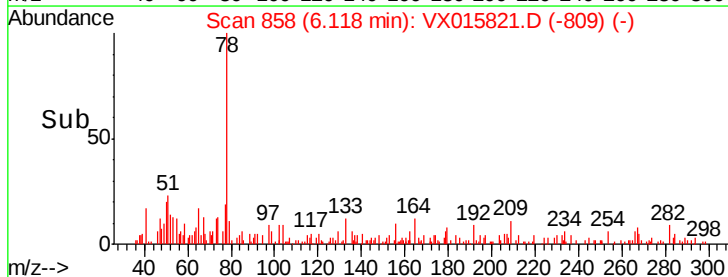
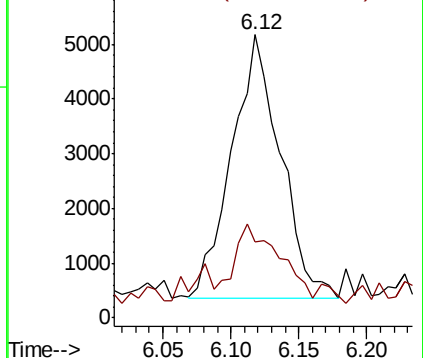
78 100

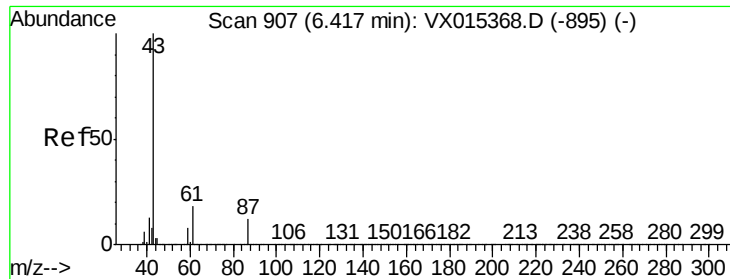
77 20.4 19.8 29.8



Abundance Ion 78.00 (77.70 to 78.70): VX0

Ion 77.00 (76.70 to 77.70): VX0



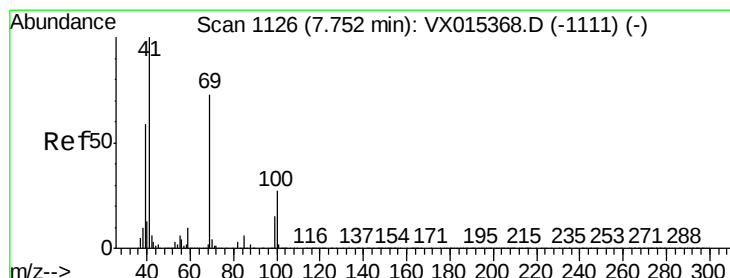
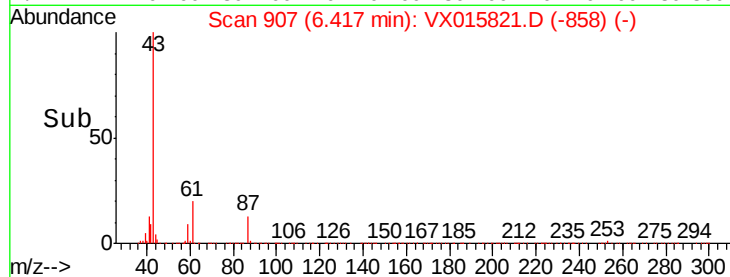
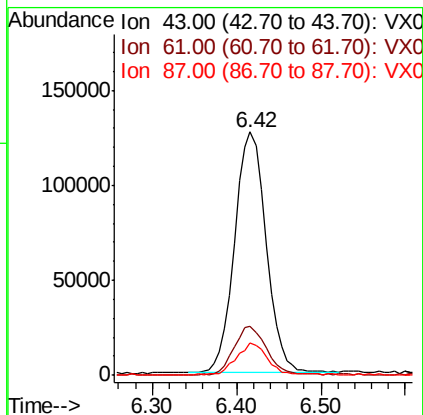
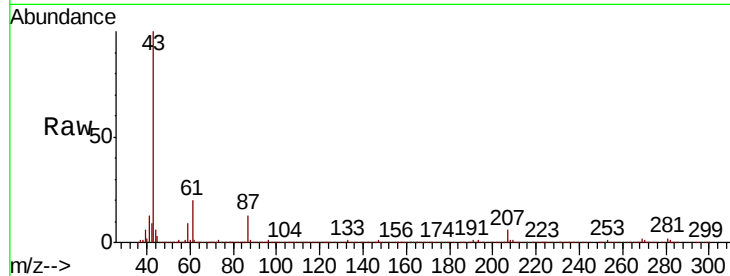


#43

Isopropyl Acetate
 Concen: 11.224 ug/l
 RT: 6.42 min Scan# 907
 Delta R.T. -0.00 min
 Lab File: VX015821.D
 Acq: 22 Apr 2020 02:28

Instrument :
 MSVOA_X
 ClientSampleId :
 TP-20A

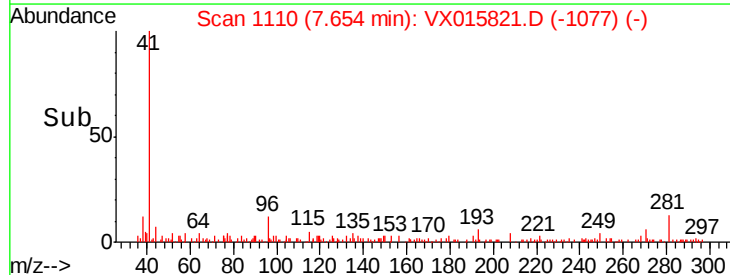
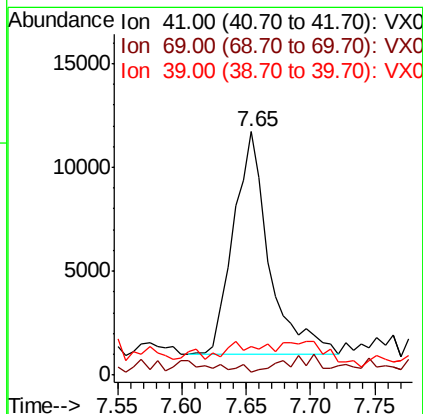
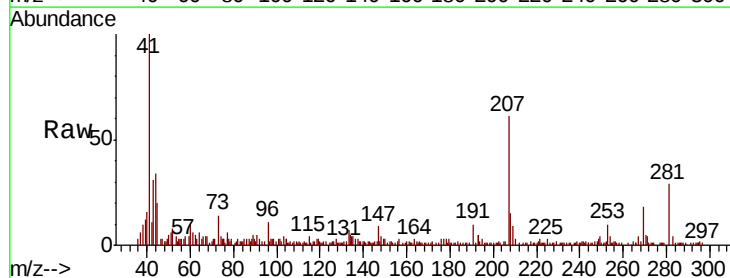
Tot Ion	Ratio	Lower	Upper
43	100		
61	20.3	14.8	22.2
87	12.6	9.4	14.0

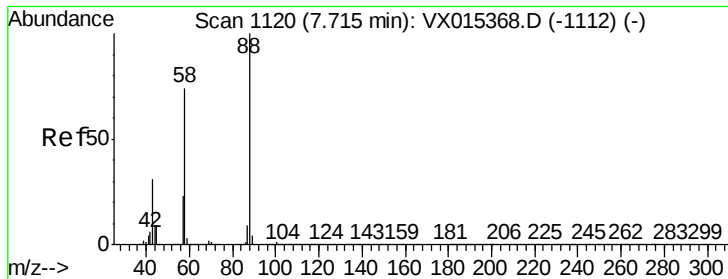


#48

Methyl methacrylate
 Concen: 1.458 ug/l
 RT: 7.65 min Scan# 1110
 Delta R.T. -0.10 min
 Lab File: VX015821.D
 Acq: 22 Apr 2020 02:28

Tgt Ion	Ratio	Lower	Upper
41	100		
69	0.0	56.7	85.1#
39	0.0	46.5	69.7#

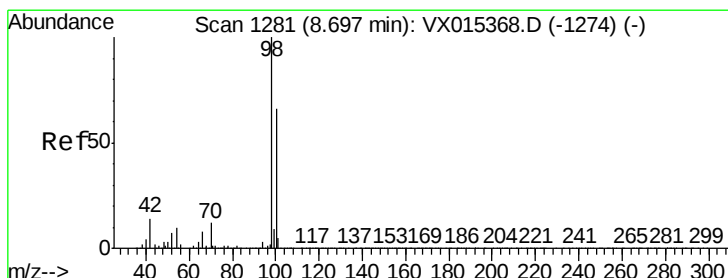
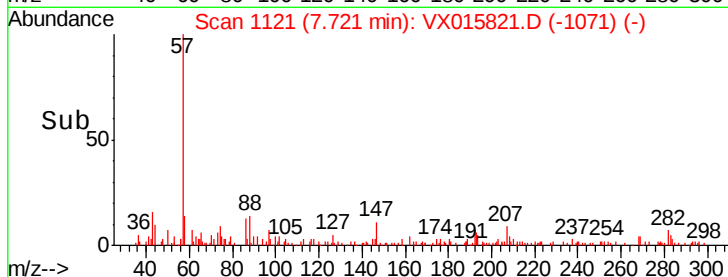
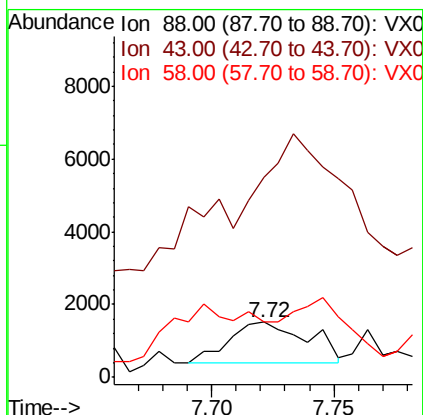
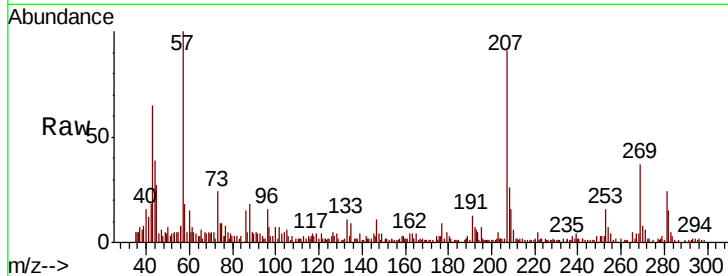




#49
1,4-Dioxane
Concen: 9.244 ug/l
RT: 7.72 min Scan# 1121
Delta R.T. 0.01 min
Lab File: VX015821.D
Acq: 22 Apr 2020 02:28

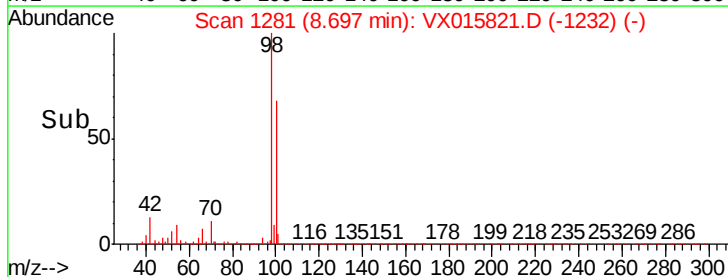
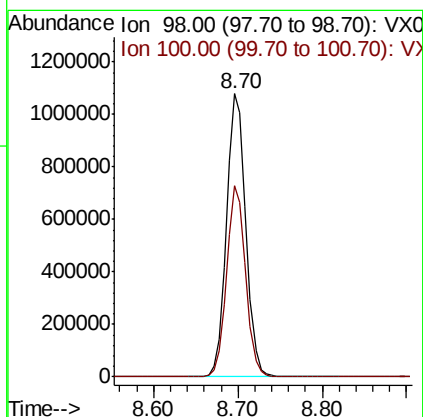
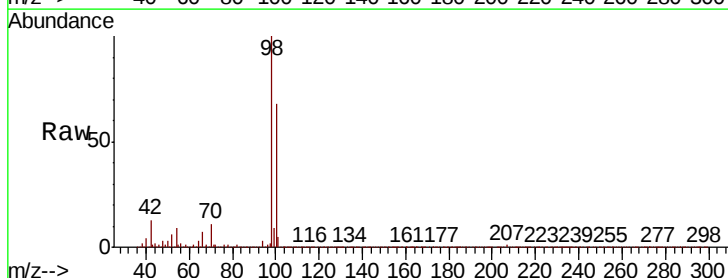
Instrument :
MSVOA_X
ClientSampled :
TP-20A

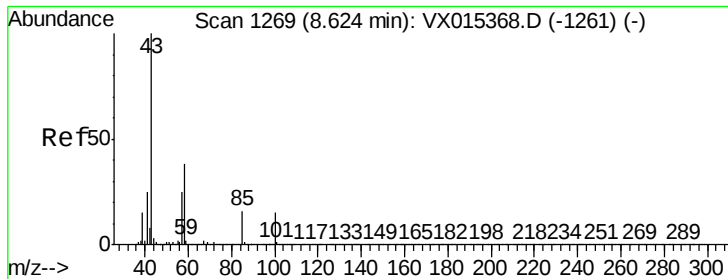
Tot Ion: 88 Resp: 2458
Ion Ratio Lower Upper
88 100
43 0.0 30.1 45.1#
58 0.0 60.6 90.8#



#50
Toluene-d8
Concen: 51.026 ug/l
RT: 8.70 min Scan# 1281
Delta R.T. -0.00 min
Lab File: VX015821.D
Acq: 22 Apr 2020 02:28

Tgt Ion: 98 Resp: 1692159
Ion Ratio Lower Upper
98 100
100 66.3 53.5 80.3





#51

4-Methyl-2-Pentanone

Concen: 19.058 ug/l

RT: 8.59 min Scan# 1264

Delta R.T. -0.03 min

Lab File: VX015821.D

Acq: 22 Apr 2020 02:28

Instrument :

MSVOA_X

ClientSampled :

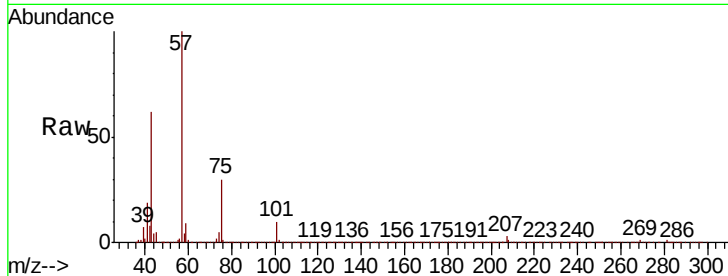
TP-20A

Tot Ion: 43 Resp: 308228

Ion Ratio Lower Upper

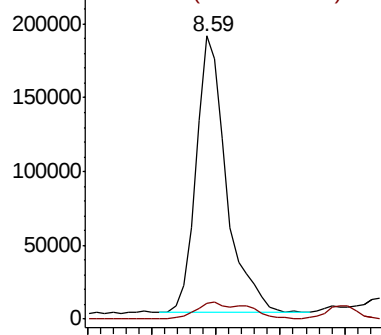
43 100

58 9.9 29.7 44.5#

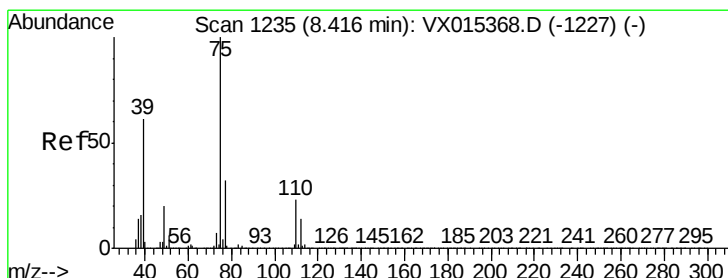
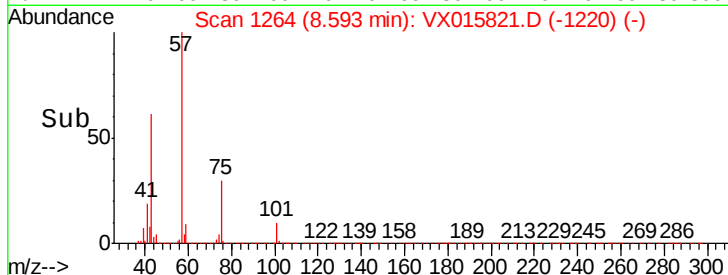


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



Time--> 8.50 8.55 8.60 8.65 8.70



#54

cis-1,3-Dichloropropene

Concen: 7.777 ug/l

RT: 8.59 min Scan# 1264

Delta R.T. 0.18 min

Lab File: VX015821.D

Acq: 22 Apr 2020 02:28

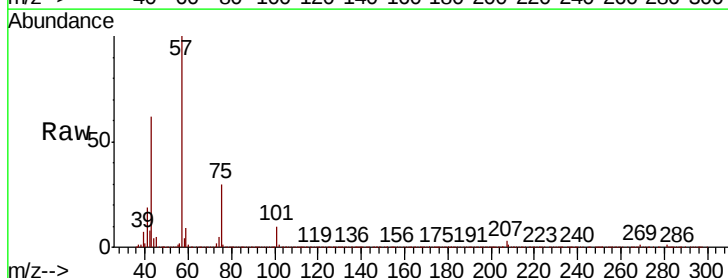
Tgt Ion: 75 Resp: 135115

Ion Ratio Lower Upper

75 100

77 0.4 25.8 38.6#

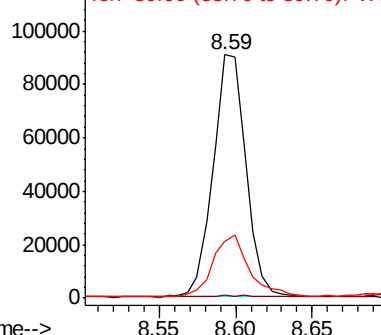
39 22.7 49.0 73.4#



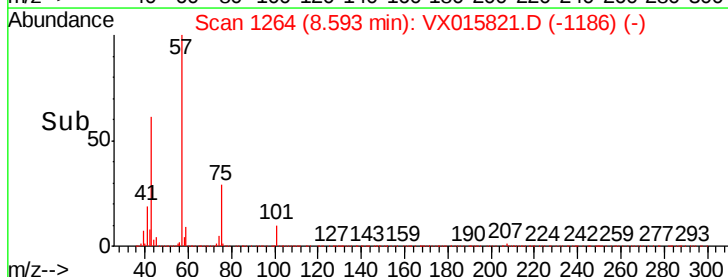
Abundance Ion 74.90 (74.60 to 75.60): VX0

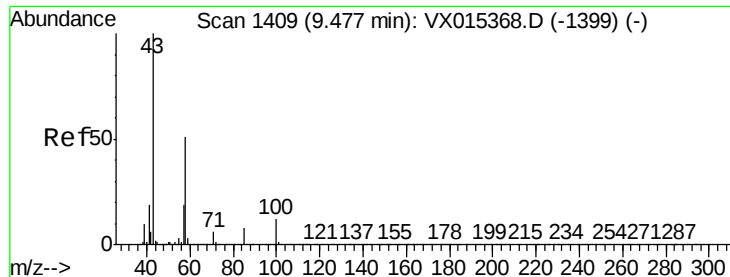
Ion 76.90 (76.60 to 77.60): VX0

Ion 39.00 (38.70 to 39.70): VX0



Time--> 8.55 8.60 8.65

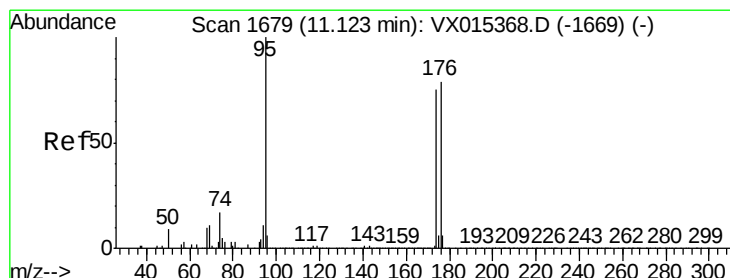
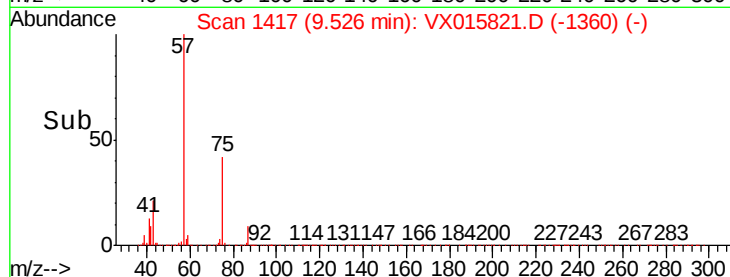
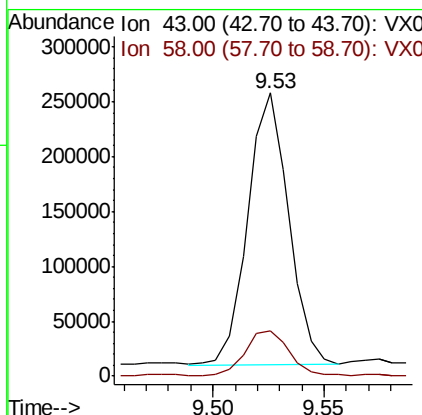
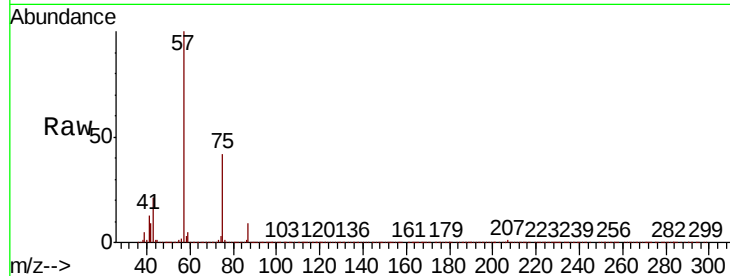




#59
2-Hexanone
Concen: 25.791 ug/l
RT: 9.53 min Scan# 1417
Delta R.T. 0.05 min
Lab File: VX015821.D
Acq: 22 Apr 2020 02:28

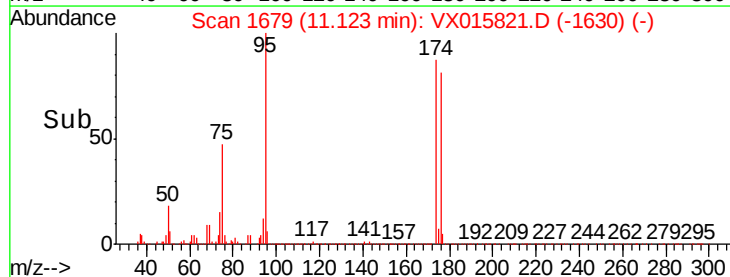
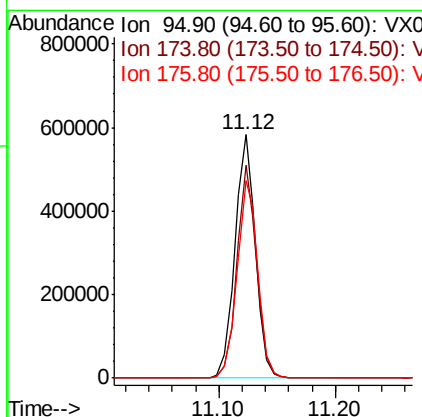
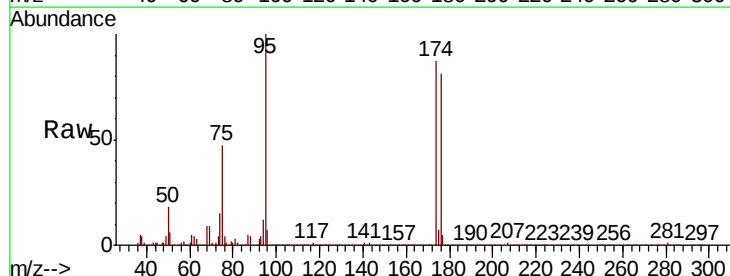
Instrument :
MSVOA_X
ClientSampleId :
TP-20A

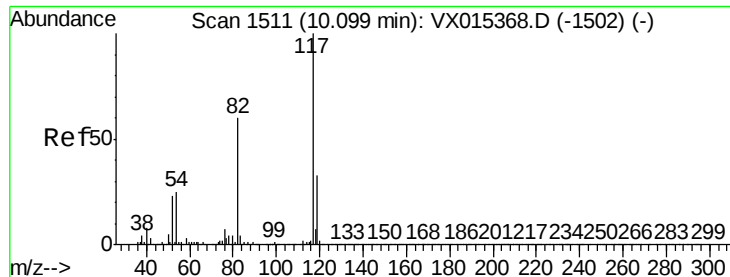
Tot Ion: 43 Resp: 314911
Ion Ratio Lower Upper
43 100
58 18.7 25.6 76.6#



#62
4-Bromofluorobenzene
Concen: 52.751 ug/l
RT: 11.12 min Scan# 1679
Delta R.T. -0.00 min
Lab File: VX015821.D
Acq: 22 Apr 2020 02:28

Tgt Ion: 95 Resp: 710943
Ion Ratio Lower Upper
95 100
174 84.0 0.0 158.6
176 82.1 0.0 159.0

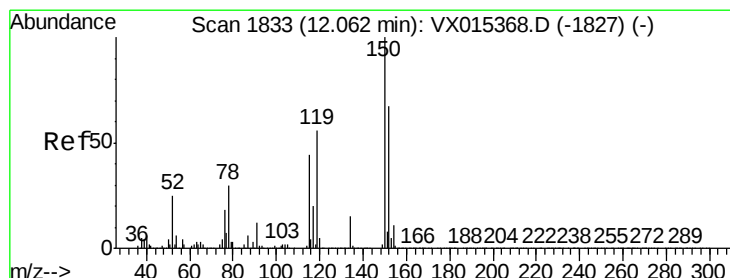
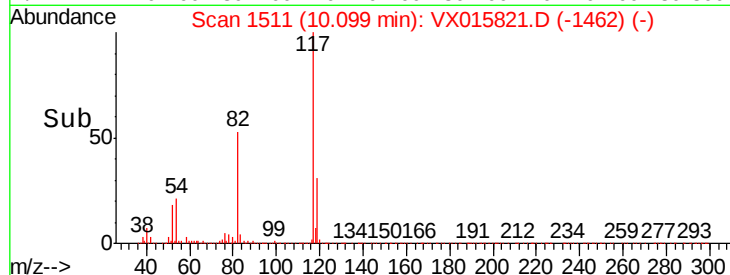
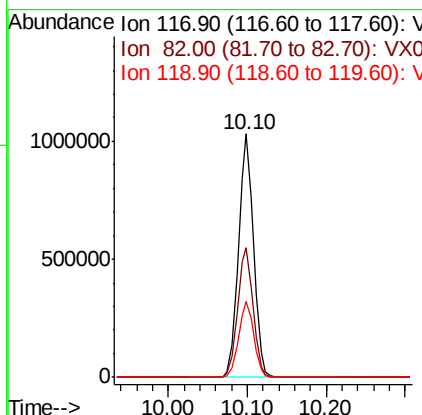
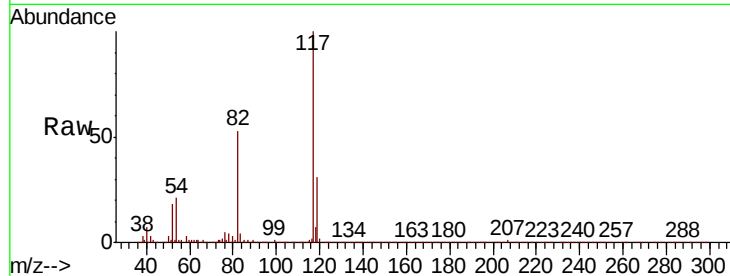




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1511
Delta R.T. -0.00 min
Lab File: VX015821.D
Acq: 22 Apr 2020 02:28

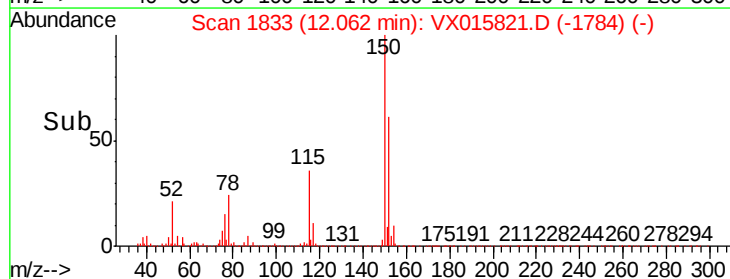
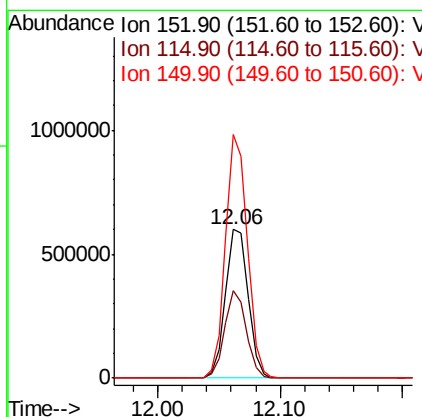
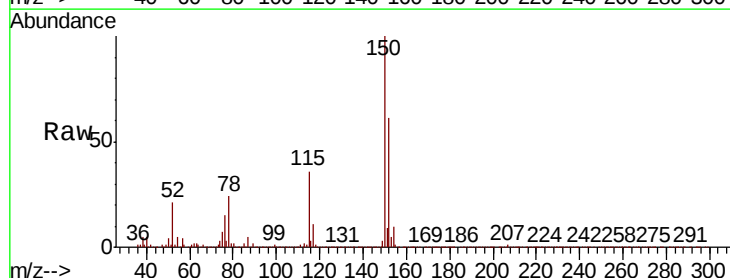
Instrument :
MSVOA_X
ClientSampled :
TP-20A

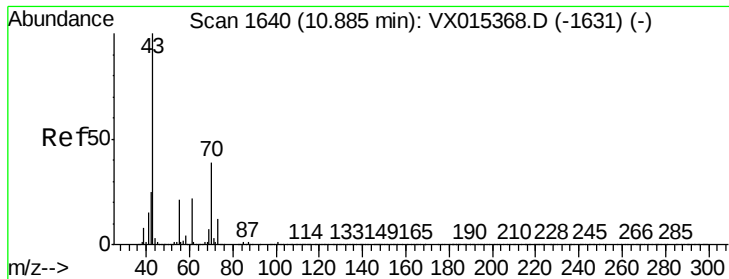
Tot Ion:117 Resp: 1366750
Ion Ratio Lower Upper
117 100
82 53.1 47.8 71.8
119 31.1 26.8 40.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.06 min Scan# 1833
Delta R.T. -0.00 min
Lab File: VX015821.D
Acq: 22 Apr 2020 02:28

Tgt Ion:152 Resp: 770545
Ion Ratio Lower Upper
152 100
115 55.7 39.0 116.9
150 157.0 0.0 340.8





#74

N-amvl acetate

Concen: 0.981 ug/l

RT: 10.81 min Scan# 1627

Delta R.T. -0.08 min

Lab File: VX015821.D

Acq: 22 Apr 2020 02:28

Instrument :

MSVOA_X

ClientSampleId :

TP-20A

Tot Ion: 43 Resp: 27536

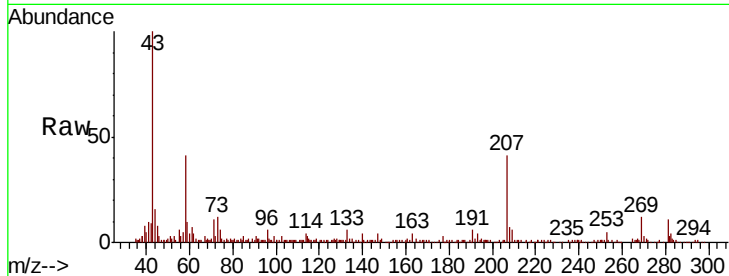
Ion Ratio Lower Upper

43 100

70 3.5 30.2 45.4#

55 4.5 16.8 25.2#

61 0.0 18.2 27.2#

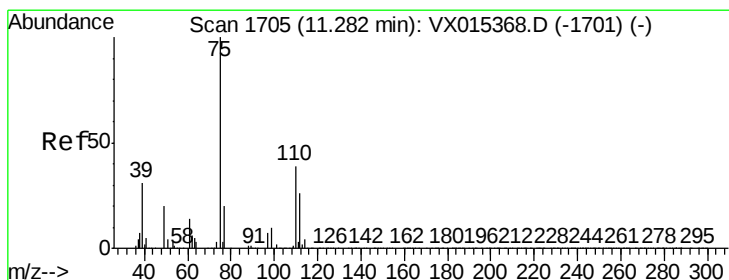
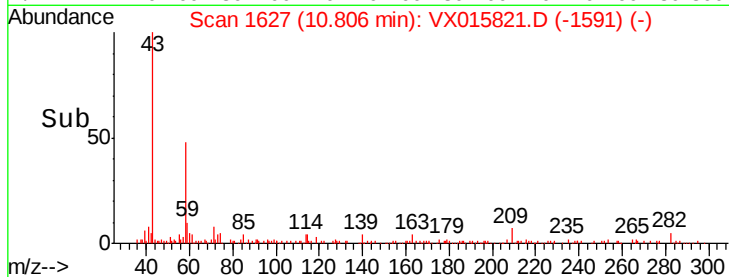
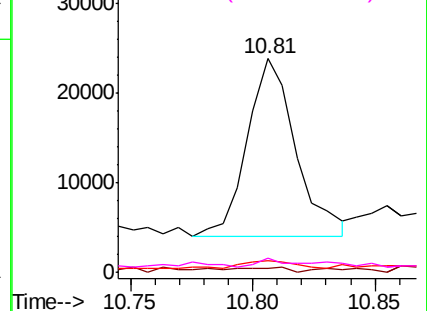


Abundance Ion 43.00 (42.70 to 43.70): VX0

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: 21.625 ug/l

RT: 11.12 min Scan# 1679

Delta R.T. -0.16 min

Lab File: VX015821.D

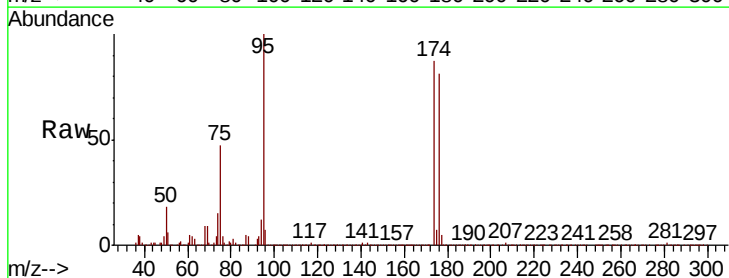
Acq: 22 Apr 2020 02:28

Tgt Ion: 75 Resp: 342660

Ion Ratio Lower Upper

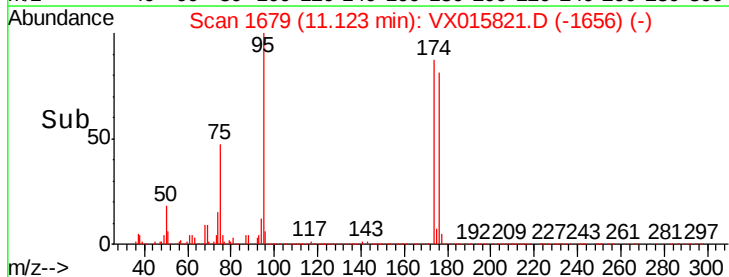
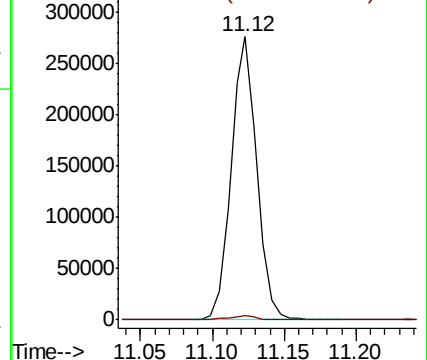
75 100

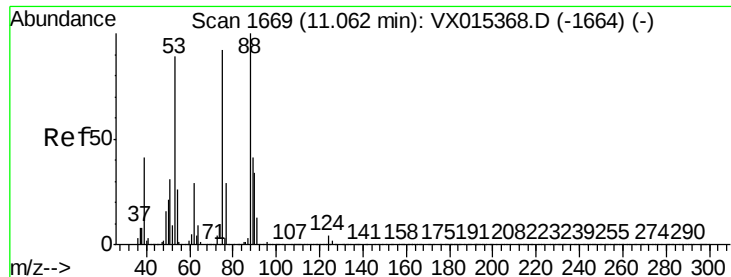
77 1.3 21.2 63.6#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#81

trans-1,4-Dichloro-2-butene

Concen: 51.888 ug/l

RT: 11.12 min Scan# 1679

Delta R.T. 0.06 min

Lab File: VX015821.D

Acq: 22 Apr 2020 02:28

Instrument :

MSVOA_X

ClientSampleId :

TP-20A

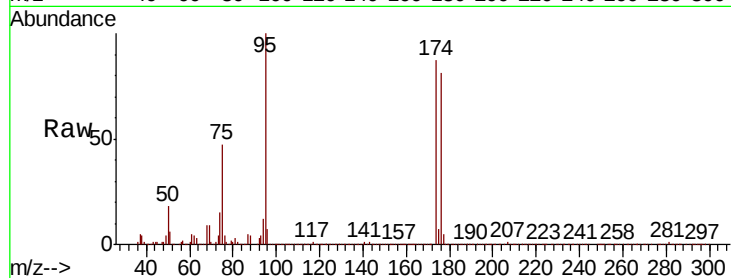
Tot Ion: 75 Resp: 342660

Ion Ratio Lower Upper

75 100

53 0.3 80.1 120.1#

89 0.0 36.1 54.1#



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

