

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX042320\
 Data File : VX015917.D
 Acq On : 24 Apr 2020 02:05
 Operator : JC/SP
 Sample : L2378-04
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 42 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TP-6-S

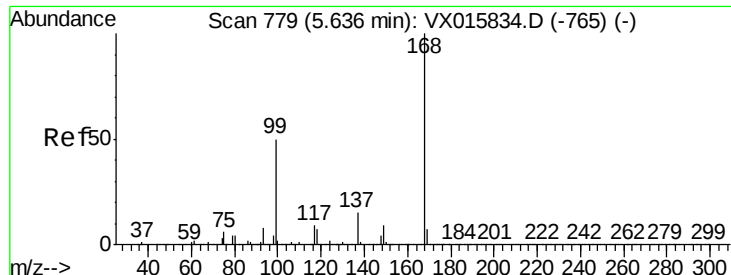
Quant Time: Apr 24 03:43:31 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X042220W.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 23 04:36:12 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.64	168	858224	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	1297090	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	1283779	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	737713	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.03	65	474583	48.62	ug/l	0.00
Spiked Amount			Recovery	=	97.24%	
35) Dibromofluoromethane	5.47	113	379013	50.62	ug/l	0.00
Spiked Amount			Recovery	=	101.24%	
50) Toluene-d8	8.70	98	1558530	51.71	ug/l	0.00
Spiked Amount			Recovery	=	103.42%	
62) 4-Bromofluorobenzene	11.12	95	662000	53.54	ug/l	0.00
Spiked Amount			Recovery	=	107.08%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.64	94	605	0.207	ug/l #	2
6) Chloroethane	1.69	64	1056	0.213	ug/l #	42
11) Tert butyl alcohol	3.01	59	1476	0.740	ug/l #	66
13) Acrolein	2.29	56	2017	1.709	ug/l #	29
16) Acetone	2.42	43	56933	13.395	ug/l	95
17) Carbon Disulfide	2.55	76	16321	0.598	ug/l	95
18) Methyl Acetate	2.75	43	9966	0.710	ug/l #	73
20) Methylene Chloride	2.84	84	42055	4.874	ug/l	98
25) 2-Butanone	4.64	43	22381	3.332	ug/l #	85
29) Tetrahydrofuran	5.08	42	1193	0.268	ug/l #	75
36) 1,1-Dichloropropene	5.64	75	56449	4.909	ug/l #	52
38) Carbon Tetrachloride	5.64	117	74684	6.594	ug/l #	15
43) Isopropyl Acetate	6.41	43	235767	10.213	ug/l	99
48) Methyl methacrylate	7.65	41	12908	1.137	ug/l #	22
49) 1,4-Dioxane	7.73	88	615	2.866	ug/l #	1
51) 4-Methyl-2-Pentanone	8.59	43	227471	17.071	ug/l #	46
54) cis-1,3-Dichloropropene	8.59	75	92391	5.977	ug/l #	53
59) 2-Hexanone	9.53	43	238203	23.466	ug/l #	51
74) N-amyl acetate	10.81	43	14338	0.593	ug/l #	53
76) 1,2,3-Trichloropropane	11.12	75	329029	23.455	ug/l #	35
81) trans-1,4-Dichloro-2-buten	11.12	75	329029	56.421	ug/l #	12

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.64 min Scan# 779

Delta R.T. -0.00 min

Lab File: VX015917.D

Acq: 24 Apr 2020 02:05

Instrument :

MSVOA_X

ClientSampleId :

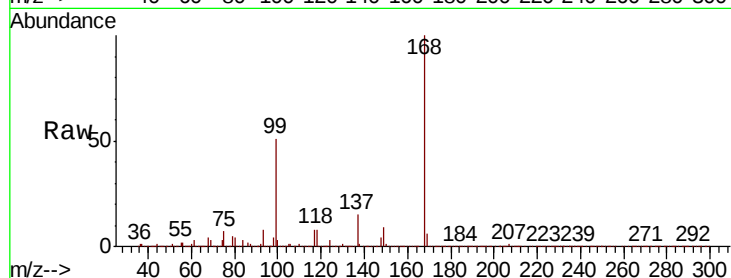
TP-6-S

Tot Ion:168 Resp: 858224

Ion Ratio Lower Upper

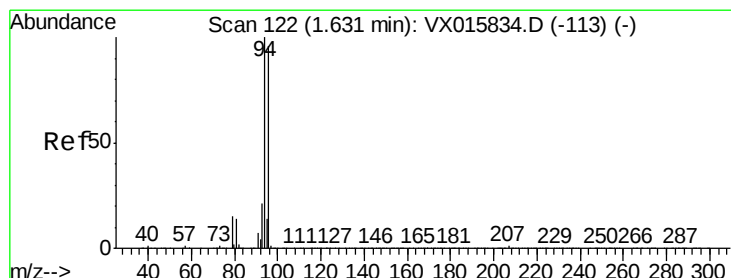
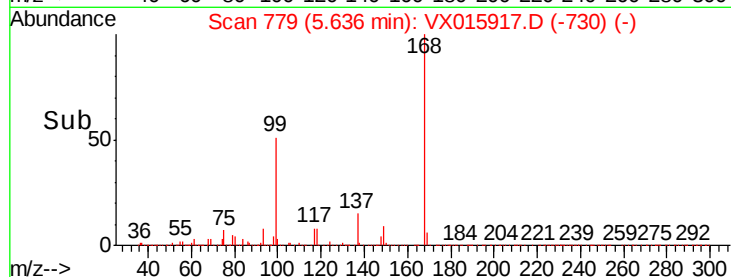
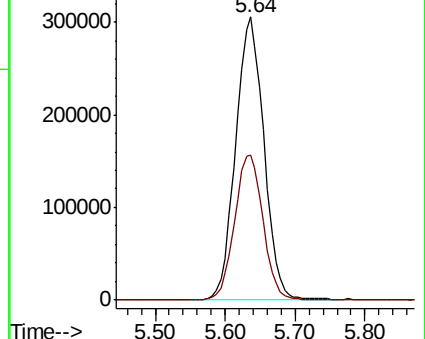
168 100

99 51.1 40.3 60.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#5

Bromomethane

Concen: 0.207 ug/l

RT: 1.64 min Scan# 124

Delta R.T. 0.01 min

Lab File: VX015917.D

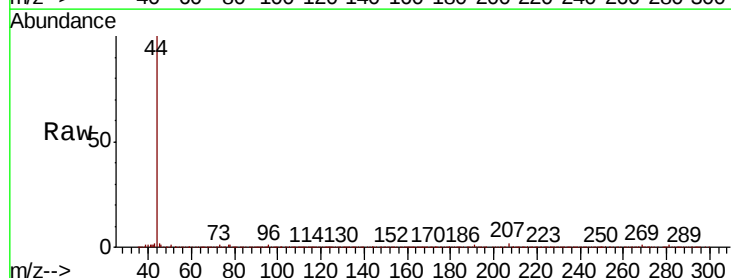
Acq: 24 Apr 2020 02:05

Tgt Ion: 94 Resp: 605

Ion Ratio Lower Upper

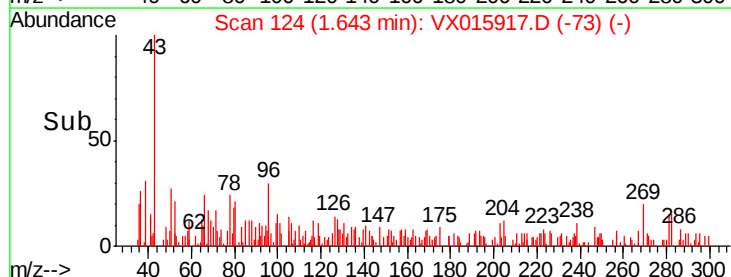
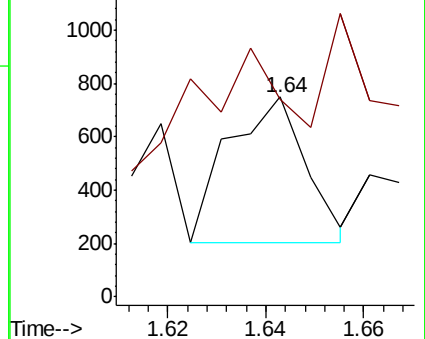
94 100

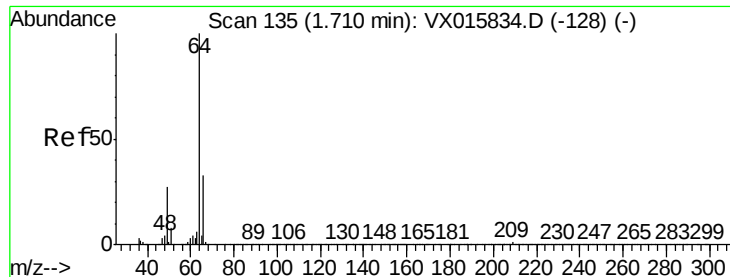
96 0.0 76.7 115.1#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0





#6

Chloroethane

Concen: 0.213 ug/l

RT: 1.69 min Scan# 132

Delta R.T. -0.02 min

Lab File: VX015917.D

Acq: 24 Apr 2020 02:05

Instrument :

MSVOA_X

ClientSampleId :

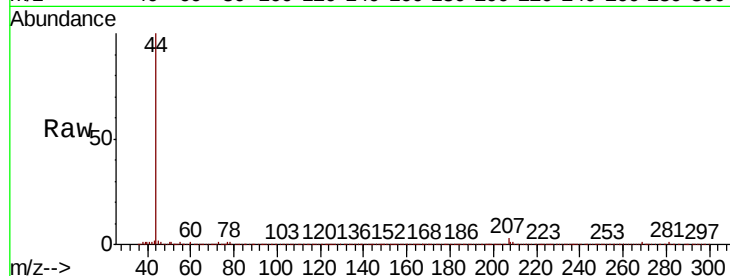
TP-6-S

Tot Ion: 64 Resp: 1056

Ion Ratio Lower Upper

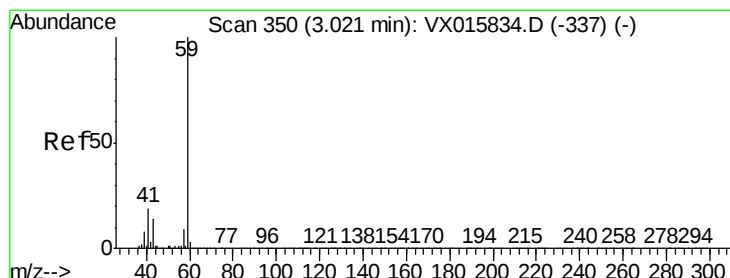
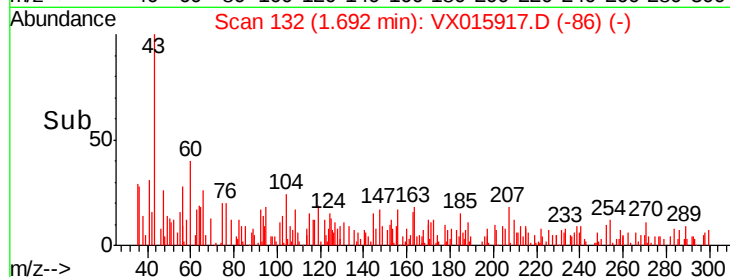
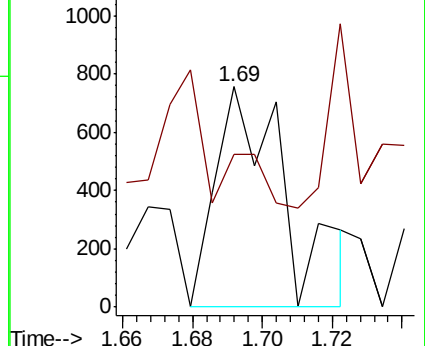
64 100

66 0.0 26.2 39.2#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



#11

Tert butyl alcohol

Concen: 0.740 ug/l

RT: 3.01 min Scan# 349

Delta R.T. -0.01 min

Lab File: VX015917.D

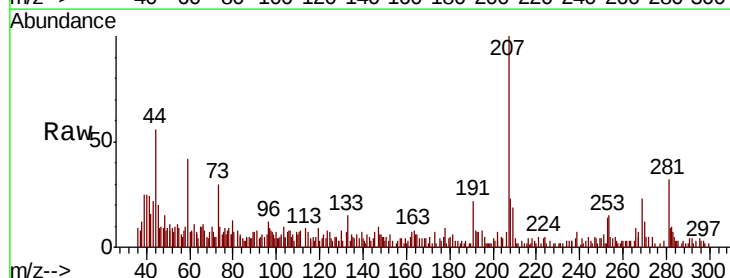
Acq: 24 Apr 2020 02:05

Tgt Ion: 59 Resp: 1476

Ion Ratio Lower Upper

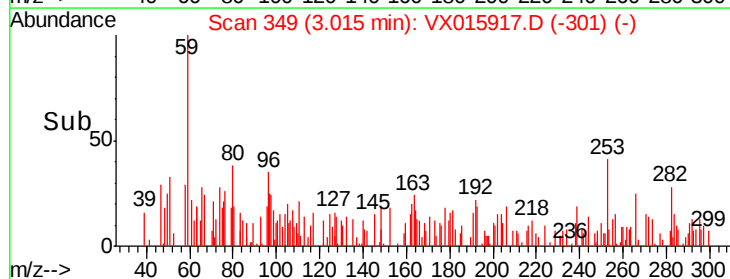
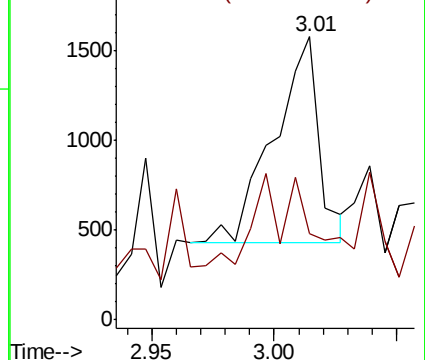
59 100

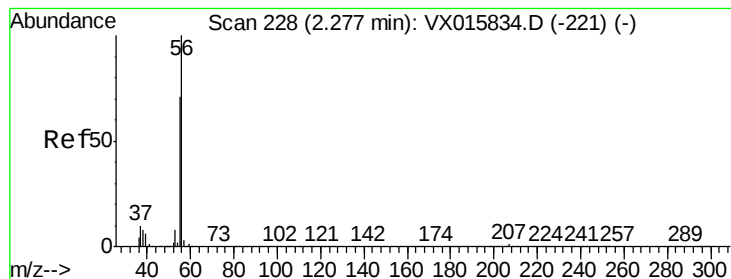
57 22.8 8.2 12.2#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0





#13

Acrolein

Concen: 1.709 ug/l

RT: 2.29 min Scan# 230

Delta R.T. 0.01 min

Lab File: VX015917.D

Acq: 24 Apr 2020 02:05

Instrument :

MSVOA_X

ClientSampled :

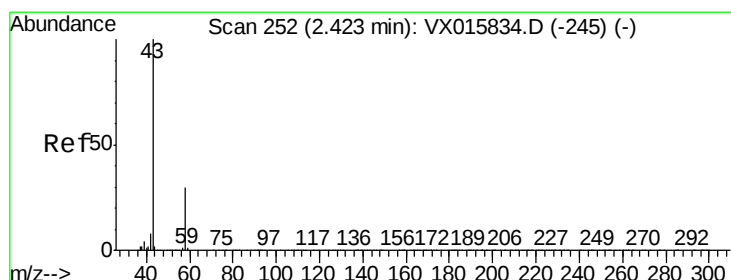
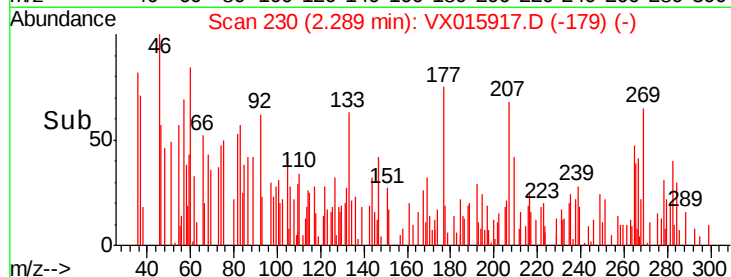
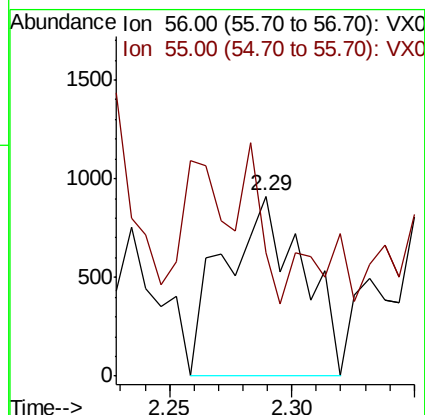
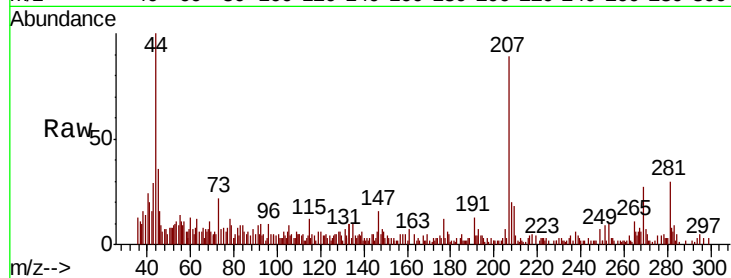
TP-6-S

Tot Ion: 56 Resp: 2017

Ion Ratio Lower Upper

56 100

55 11.8 56.1 84.1#



#16

Acetone

Concen: 13.395 ug/l

RT: 2.42 min Scan# 251

Delta R.T. -0.01 min

Lab File: VX015917.D

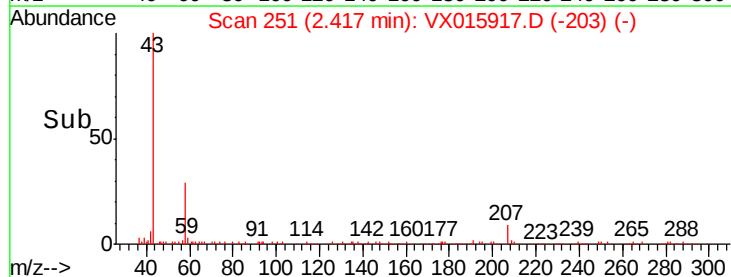
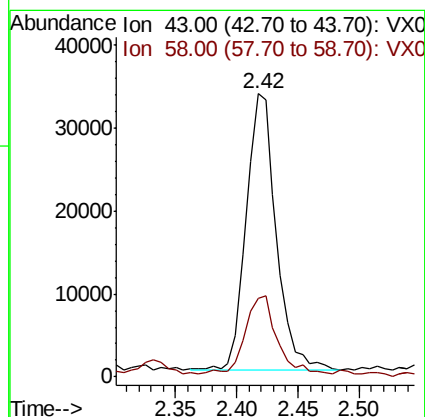
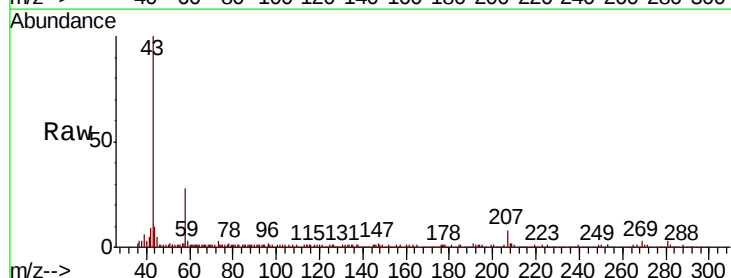
Acq: 24 Apr 2020 02:05

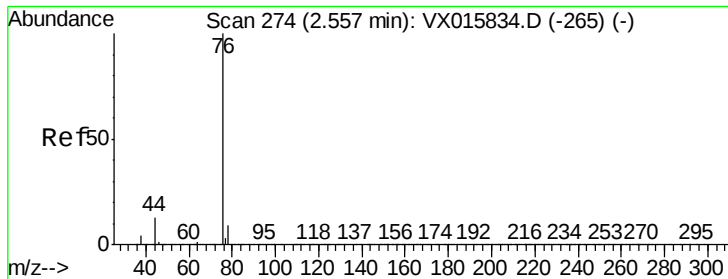
Tgt Ion: 43 Resp: 56933

Ion Ratio Lower Upper

43 100

58 27.0 24.0 36.0

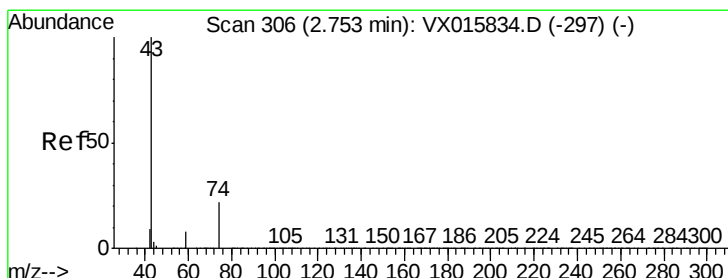
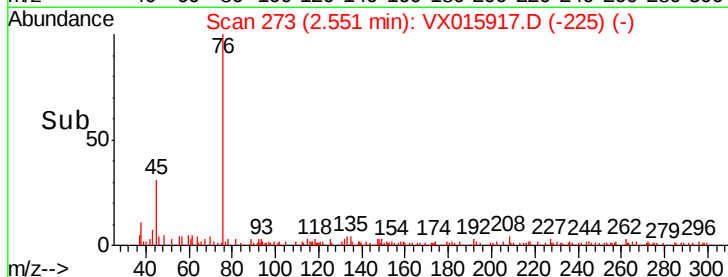
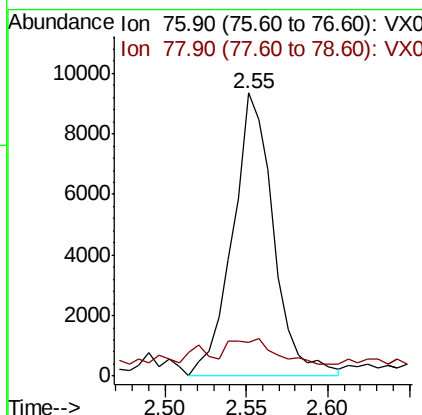
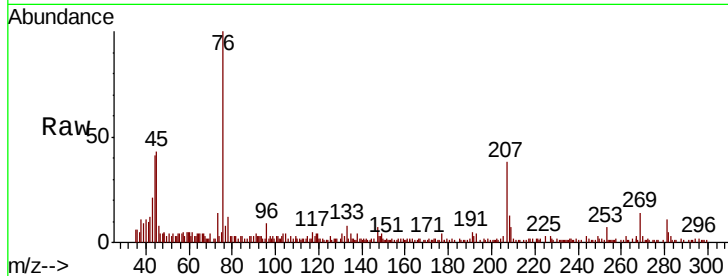




#17
Carbon Disulfide
Concen: 0.598 ug/l
RT: 2.55 min Scan# 273
Delta R.T. -0.01 min
Lab File: VX015917.D
Acq: 24 Apr 2020 02:05

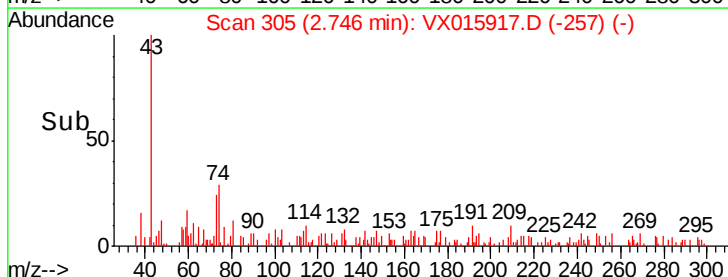
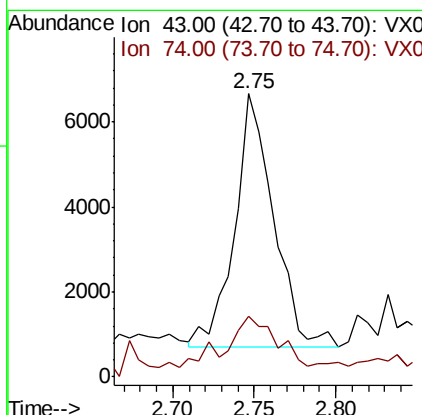
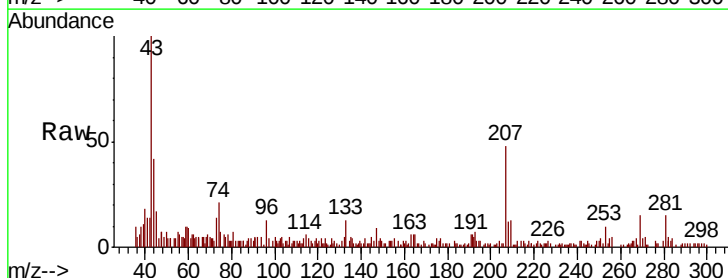
Instrument :
MSVOA_X
ClientSampled :
TP-6-S

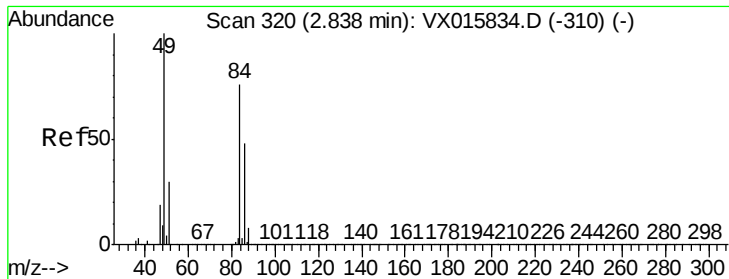
Tot Ion: 76 Resp: 16321
Ion Ratio Lower Upper
76 100
78 7.6 7.4 11.2



#18
Methyl Acetate
Concen: 0.710 ug/l
RT: 2.75 min Scan# 305
Delta R.T. -0.01 min
Lab File: VX015917.D
Acq: 24 Apr 2020 02:05

Tgt Ion: 43 Resp: 9966
Ion Ratio Lower Upper
43 100
74 35.3 17.9 26.9#

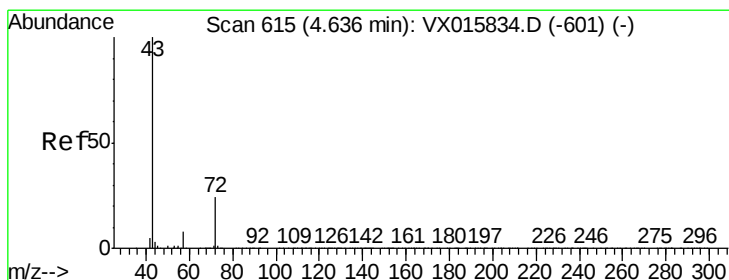
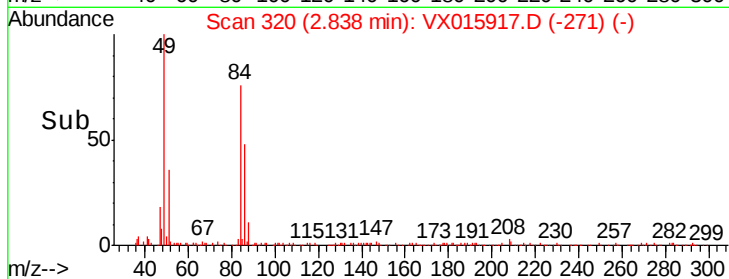
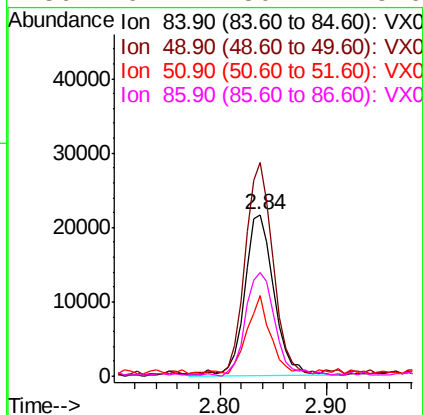
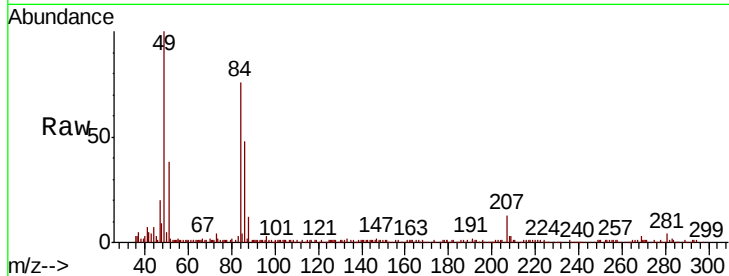




#20
Methylene Chloride
Concen: 4.874 ug/l
RT: 2.84 min Scan# 320
Delta R.T. -0.00 min
Lab File: VX015917.D
Acq: 24 Apr 2020 02:05

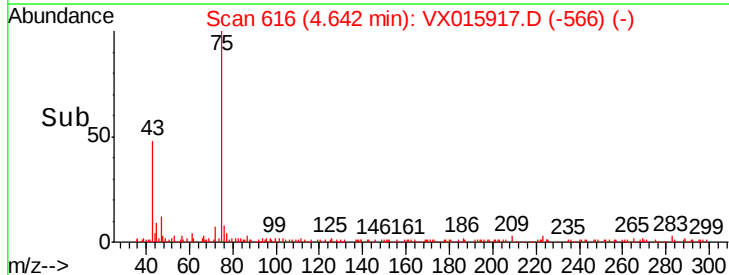
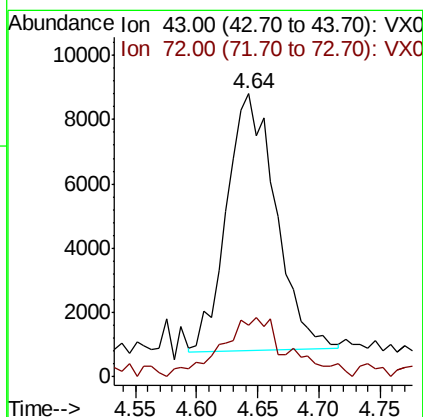
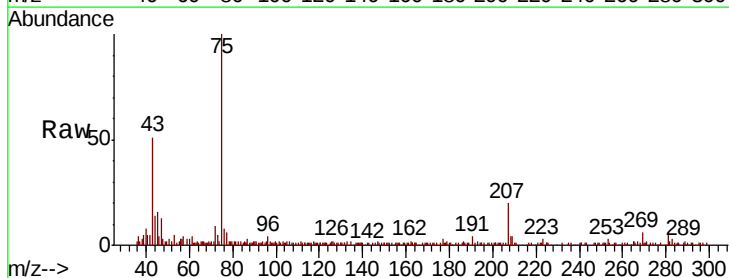
Instrument :
MSVOA_X
ClientSampleId :
TP-6-S

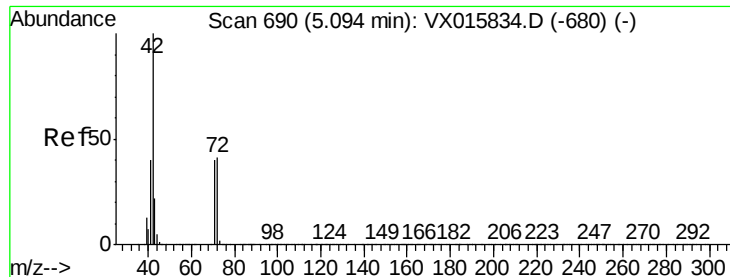
Tot Ion:	84	Resp:	42055
Ion	Ratio	Lower	Upper
84	100		
49	131.6	104.9	157.3
51	46.6	32.0	48.0
86	62.7	50.4	75.6



#25
2-Butanone
Concen: 3.332 ug/l
RT: 4.64 min Scan# 616
Delta R.T. 0.01 min
Lab File: VX015917.D
Acq: 24 Apr 2020 02:05

Tgt Ion:	43	Resp:	22381
Ion	Ratio	Lower	Upper
43	100		
72	16.8	19.4	29.2#





#29

Tetrahydrofuran

Concen: 0.268 ug/l

RT: 5.08 min Scan# 688

Delta R.T. -0.01 min

Lab File: VX015917.D

Acq: 24 Apr 2020 02:05

Instrument :

MSVOA_X

ClientSampled :

TP-6-S

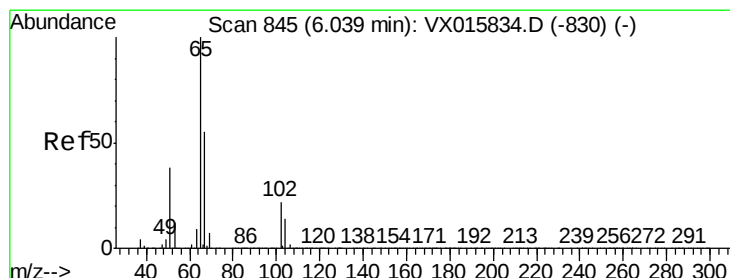
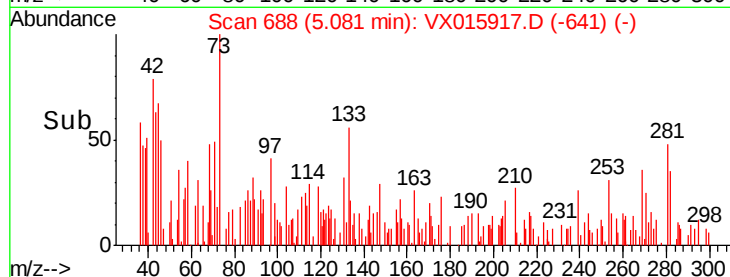
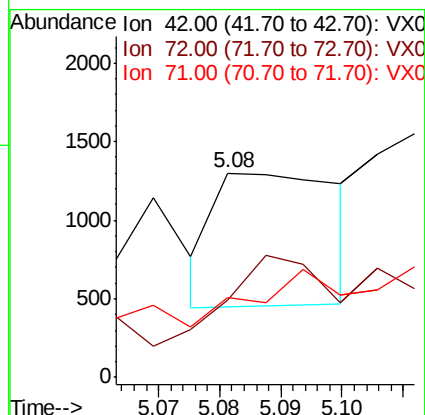
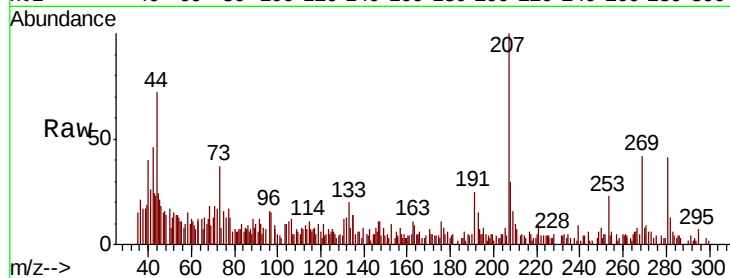
Tot Ion: 42 Resp: 1193

Ion Ratio Lower Upper

42 100

72 54.5 33.0 49.6#

71 55.7 30.6 45.8#



#33

1,2-Dichloroethane-d4

Concen: 48.620 ug/l

RT: 6.03 min Scan# 844

Delta R.T. -0.01 min

Lab File: VX015917.D

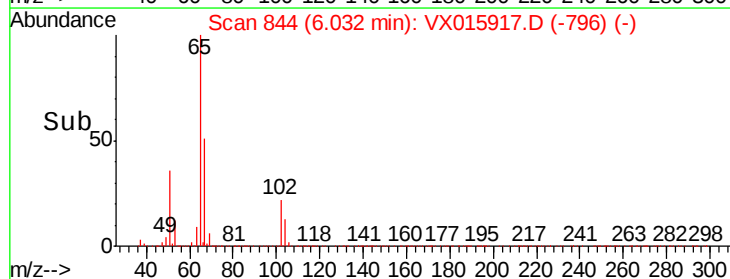
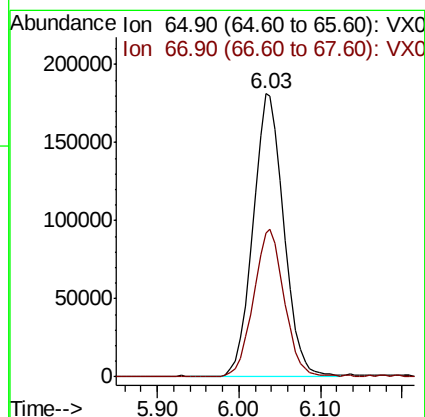
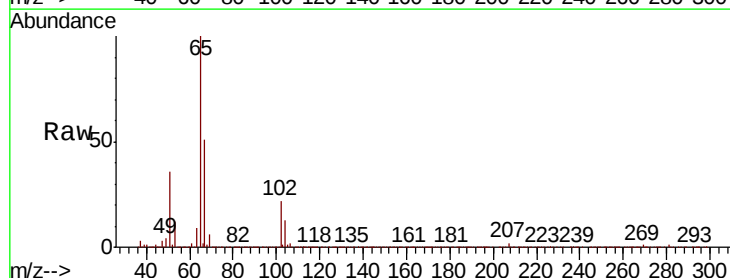
Acq: 24 Apr 2020 02:05

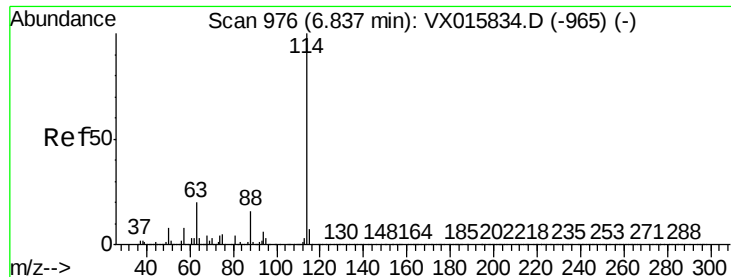
Tgt Ion: 65 Resp: 474583

Ion Ratio Lower Upper

65 100

67 51.8 0.0 104.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.84 min Scan# 976

Delta R.T. -0.00 min

Lab File: VX015917.D

Acq: 24 Apr 2020 02:05

Instrument :

MSVOA_X

ClientSampleId :

TP-6-S

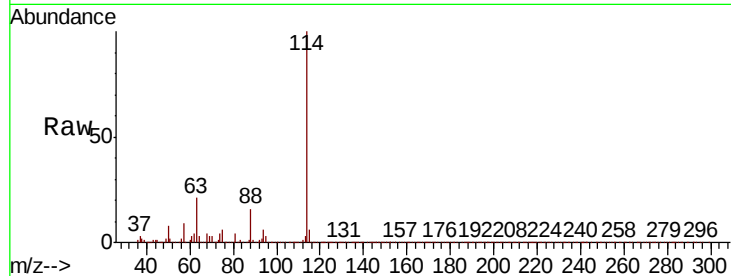
Tot Ion:114 Resp: 1297090

Ion Ratio Lower Upper

114 100

63 20.4 0.0 40.6

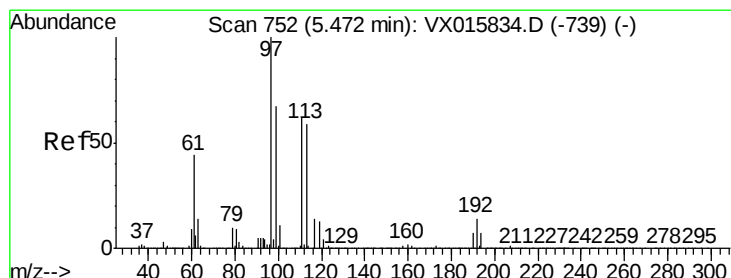
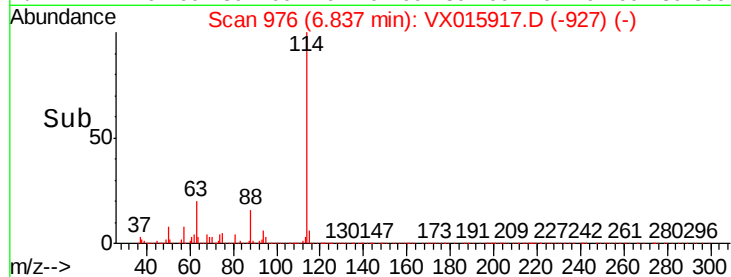
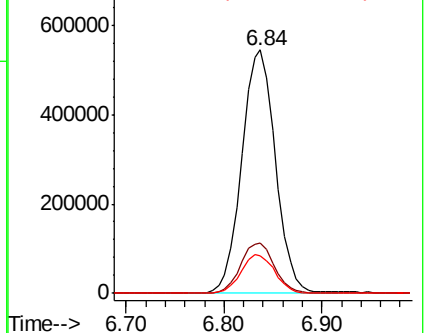
88 15.6 0.0 32.8



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



#35

Dibromofluoromethane

Concen: 50.622 ug/l

RT: 5.47 min Scan# 752

Delta R.T. -0.00 min

Lab File: VX015917.D

Acq: 24 Apr 2020 02:05

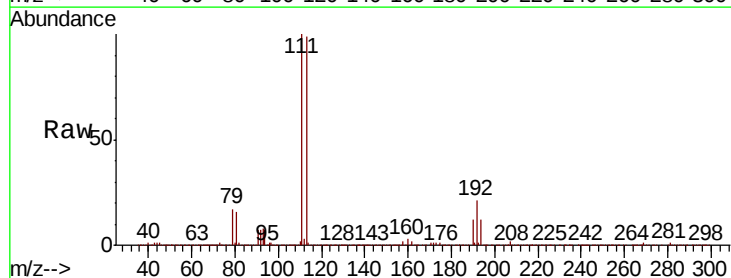
Tgt Ion:113 Resp: 379013

Ion Ratio Lower Upper

113 100

111 102.1 82.7 124.1

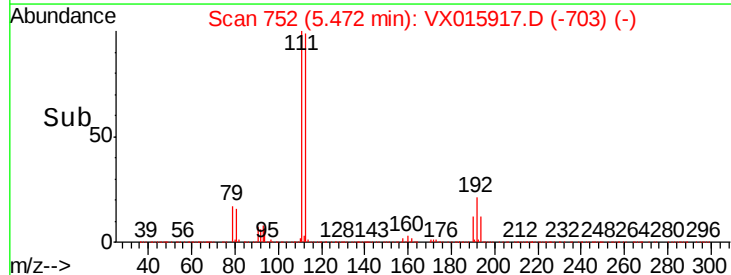
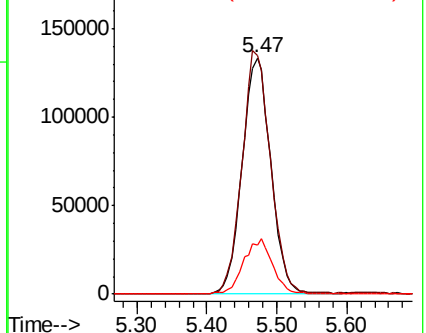
192 24.0 19.3 28.9

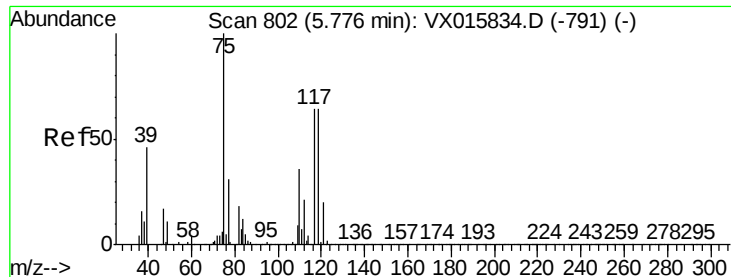


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

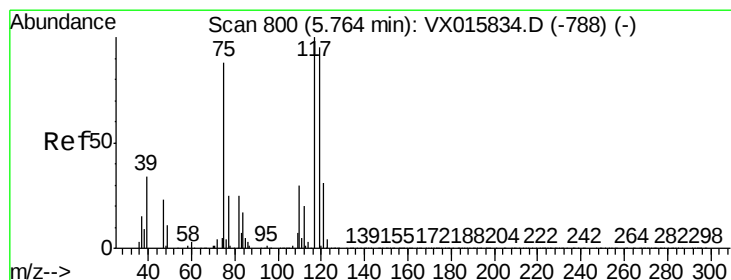
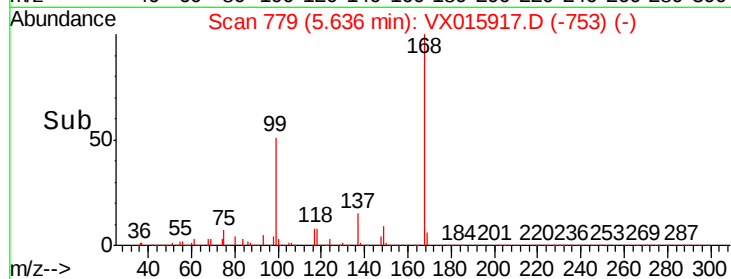
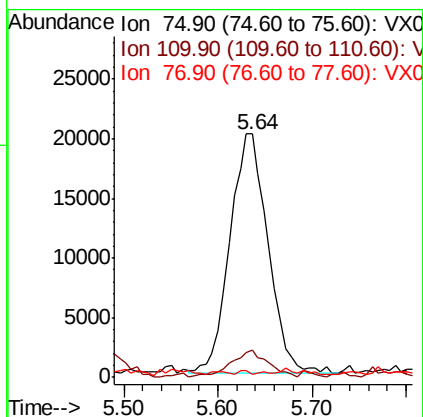
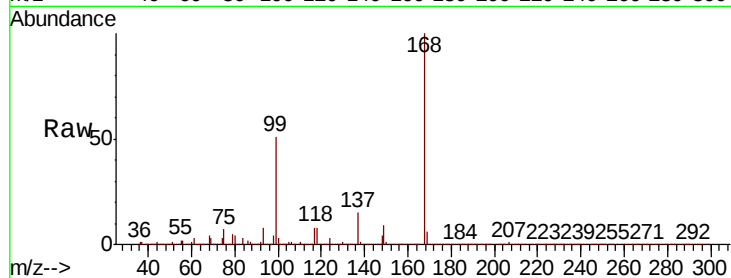




#36
 1,1-Dichloropropene
 Concen: 4.909 ug/l
 RT: 5.64 min Scan# 779
 Delta R.T. -0.14 min
 Lab File: VX015917.D
 Acq: 24 Apr 2020 02:05

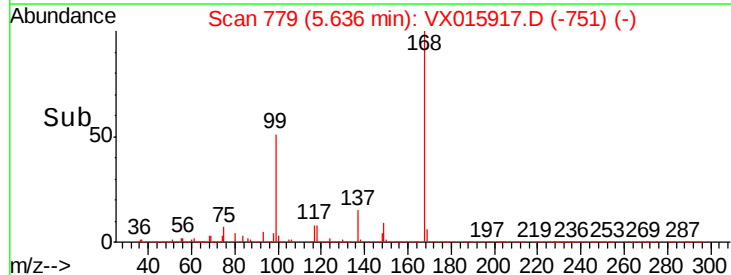
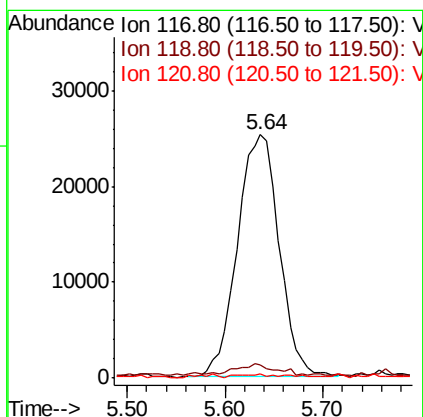
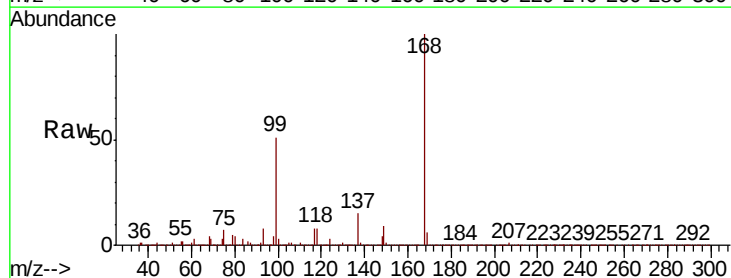
Instrument :
 MSVOA_X
 ClientSampled :
 TP-6-S

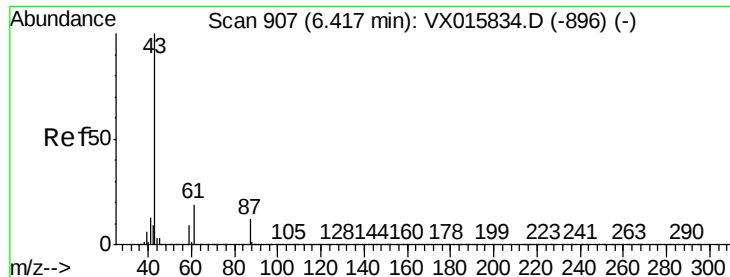
Tot Ion	Ratio	Lower	Upper
75	100		
110	11.2	17.9	53.8#
77	0.1	24.5	36.7#



#38
 Carbon Tetrachloride
 Concen: 6.594 ug/l
 RT: 5.64 min Scan# 779
 Delta R.T. -0.13 min
 Lab File: VX015917.D
 Acq: 24 Apr 2020 02:05

Tgt Ion	Ratio	Lower	Upper
117	100		
119	3.8	75.7	113.5#
121	0.0	25.0	37.6#



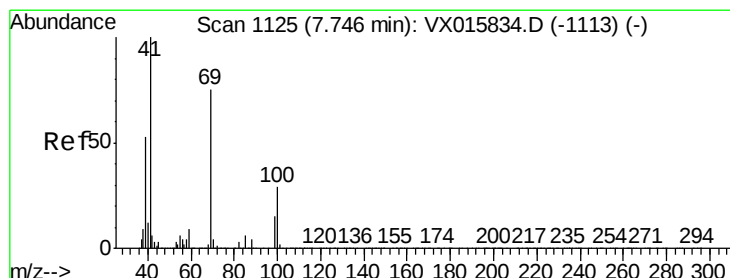
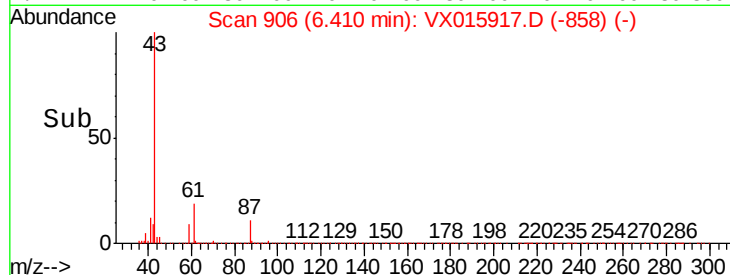
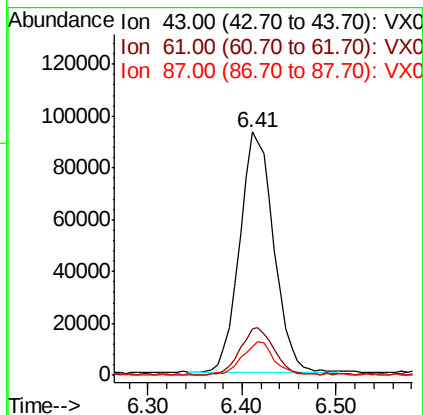
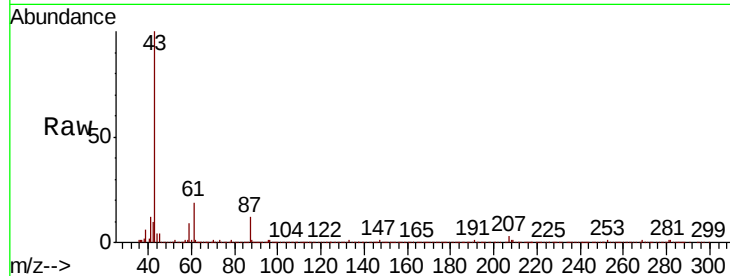


#43

Isopropyl Acetate
 Concen: 10.213 ug/l
 RT: 6.41 min Scan# 906
 Delta R.T. -0.01 min
 Lab File: VX015917.D
 Acq: 24 Apr 2020 02:05

Instrument :
 MSVOA_X
 ClientSampleId :
 TP-6-S

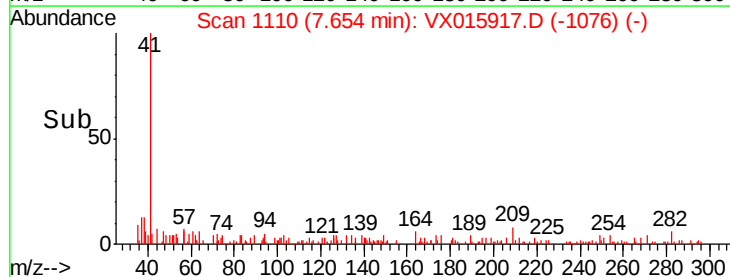
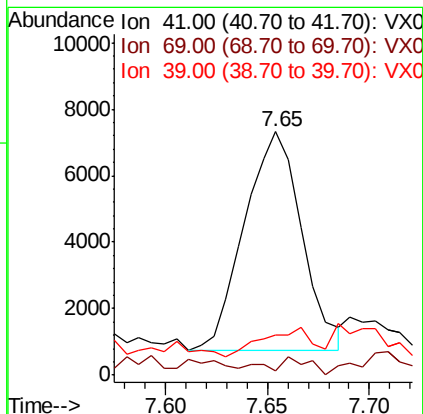
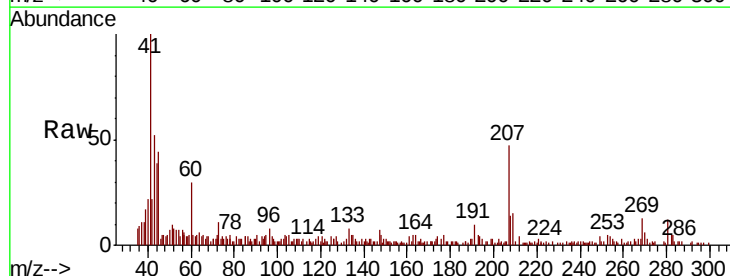
Tot Ion	Ratio	Lower	Upper
43	100		
61	18.8	15.4	23.2
87	12.8	9.8	14.6

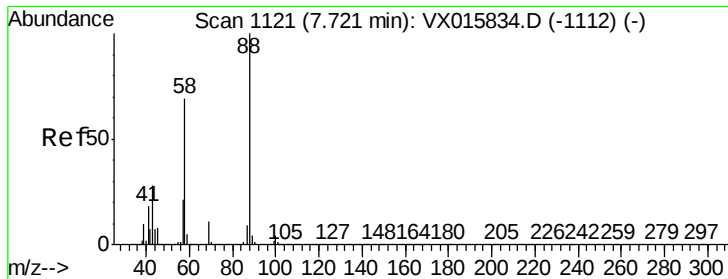


#48

Methyl methacrylate
 Concen: 1.137 ug/l
 RT: 7.65 min Scan# 1110
 Delta R.T. -0.09 min
 Lab File: VX015917.D
 Acq: 24 Apr 2020 02:05

Tgt Ion	Ratio	Lower	Upper
41	100		
69	6.1	60.5	90.7#
39	0.0	42.1	63.1#





#49

1,4-Dioxane

Concen: 2.866 ug/l

RT: 7.73 min Scan# 1122

Delta R.T. 0.01 min

Lab File: VX015917.D

Acq: 24 Apr 2020 02:05

Instrument :

MSVOA_X

ClientSampleId :

TP-6-S

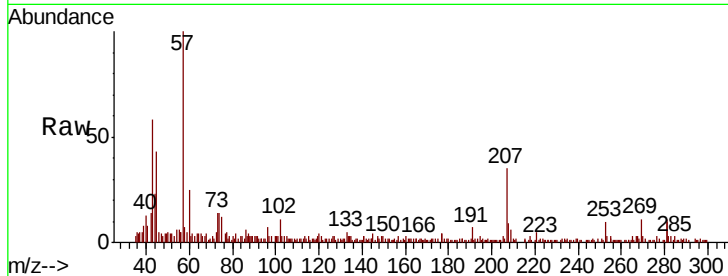
Tot Ion: 88 Resp: 615

Ion Ratio Lower Upper

88 100

43 0.0 28.2 42.4#

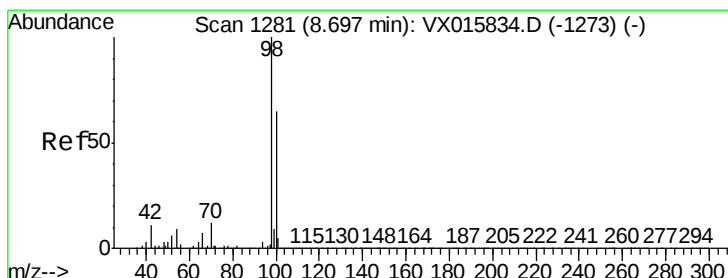
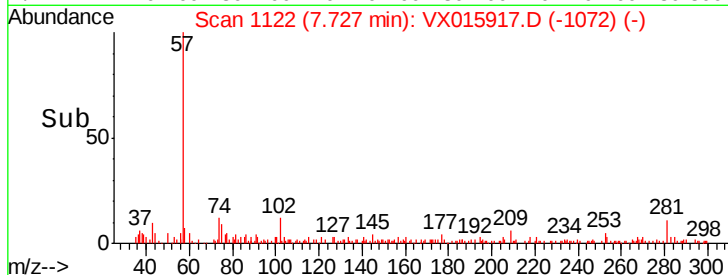
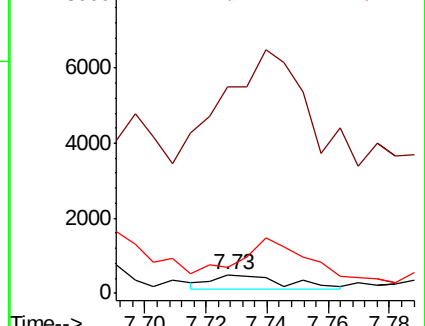
58 317.1 58.9 88.3#



Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#50

Toluene-d8

Concen: 51.709 ug/l

RT: 8.70 min Scan# 1281

Delta R.T. -0.00 min

Lab File: VX015917.D

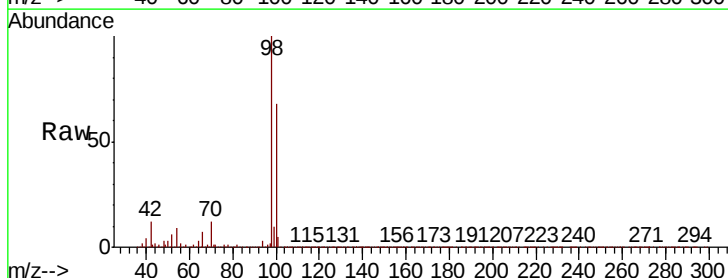
Acq: 24 Apr 2020 02:05

Tgt Ion: 98 Resp: 1558530

Ion Ratio Lower Upper

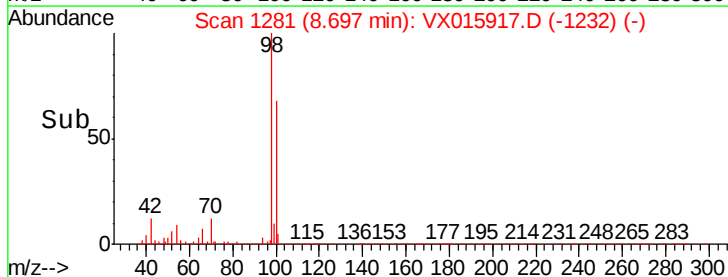
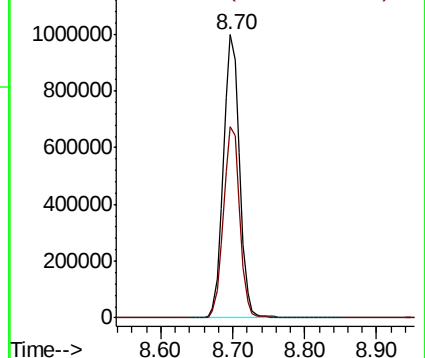
98 100

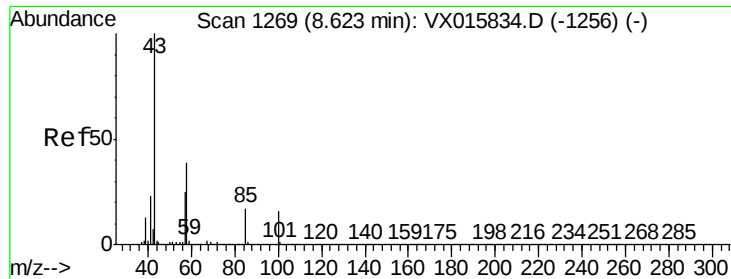
100 67.9 53.8 80.6



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V





#51

4-Methyl-2-Pentanone

Concen: 17.071 ug/l

RT: 8.59 min Scan# 1264

Delta R.T. -0.03 min

Lab File: VX015917.D

Acq: 24 Apr 2020 02:05

Instrument :

MSVOA_X

ClientSampleId :

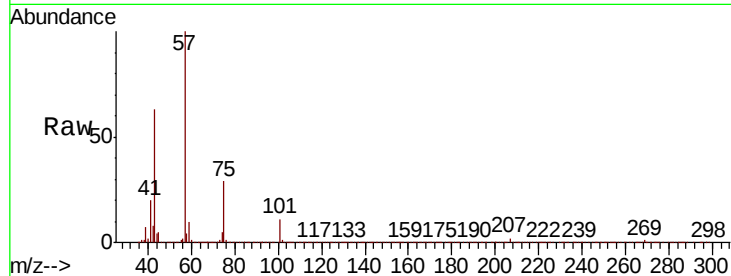
TP-6-S

Tot Ion: 43 Resp: 227471

Ion Ratio Lower Upper

43 100

58 5.7 30.6 45.8#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

8.59

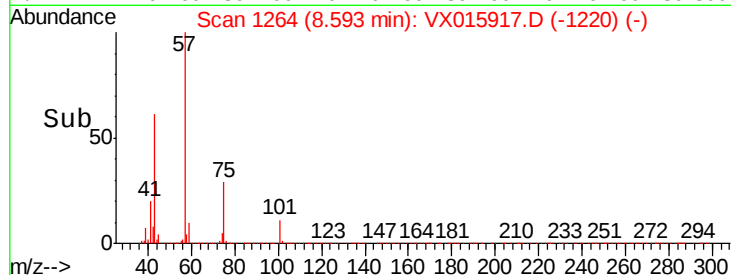
150000

100000

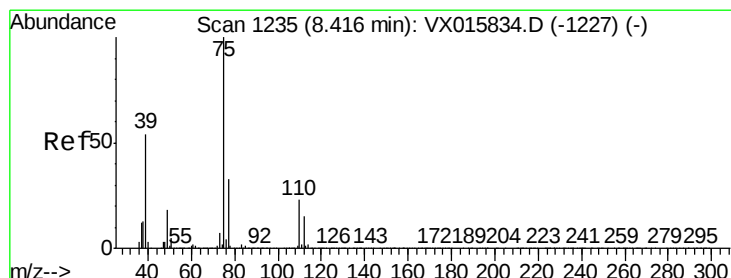
50000

0

8.50 8.55 8.60 8.65 8.70



Time-->



#54

cis-1,3-Dichloropropene

Concen: 5.977 ug/l

RT: 8.59 min Scan# 1264

Delta R.T. 0.18 min

Lab File: VX015917.D

Acq: 24 Apr 2020 02:05

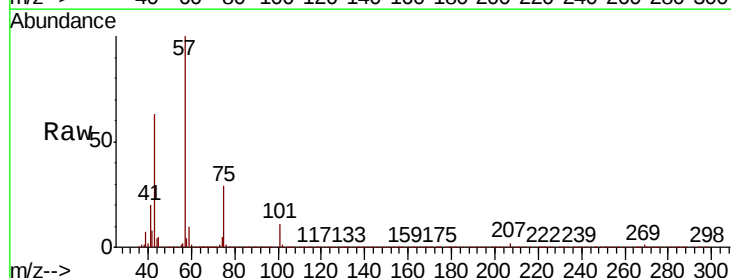
Tgt Ion: 75 Resp: 92391

Ion Ratio Lower Upper

75 100

77 0.1 26.0 39.0#

39 24.7 42.8 64.2#



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

8.59

80000

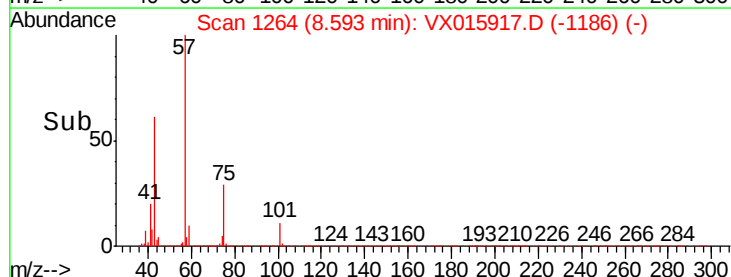
60000

40000

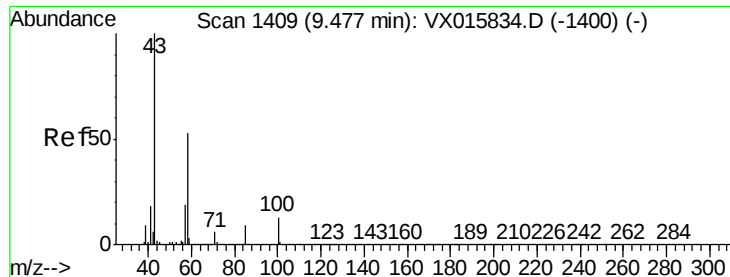
20000

0

8.50 8.55 8.60 8.65 8.70



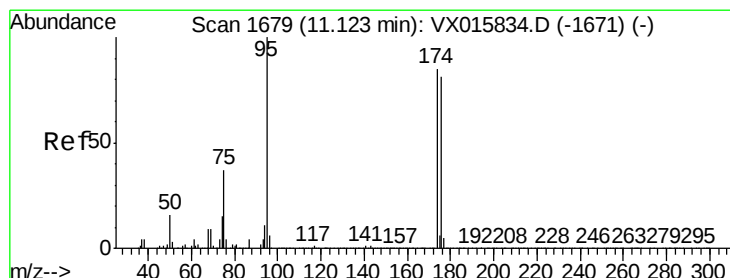
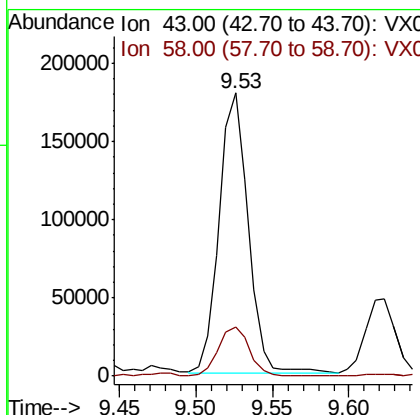
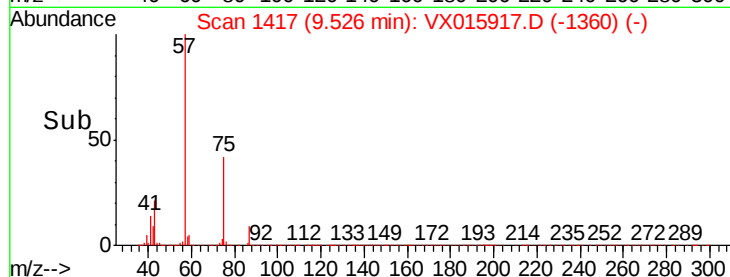
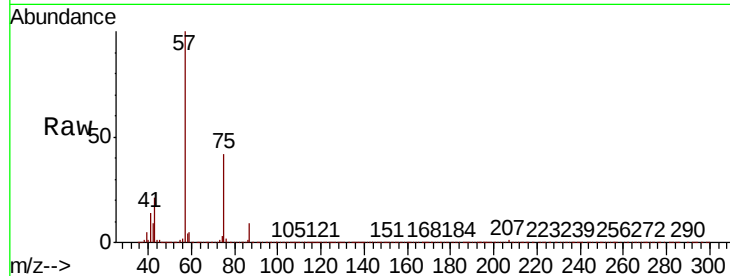
Time-->



#59
2-Hexanone
Concen: 23.466 ug/l
RT: 9.53 min Scan# 1417
Delta R.T. 0.05 min
Lab File: VX015917.D
Acq: 24 Apr 2020 02:05

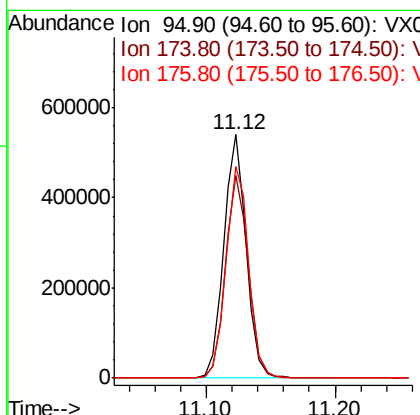
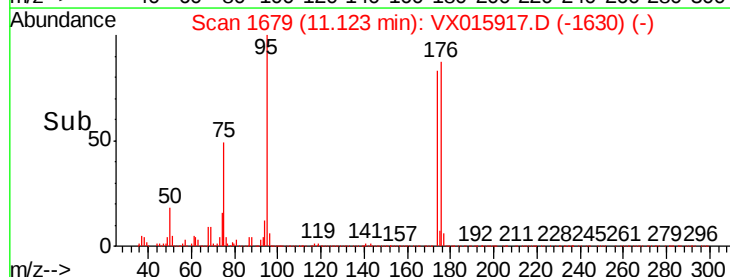
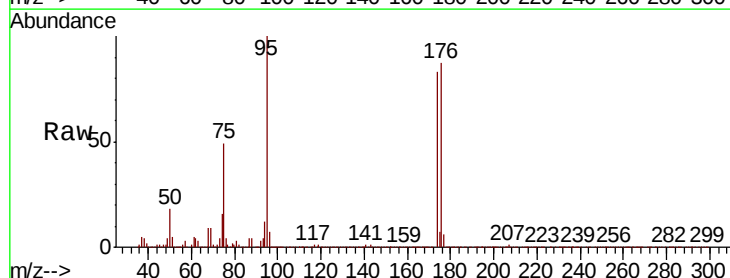
Instrument :
MSVOA_X
ClientSampled :
TP-6-S

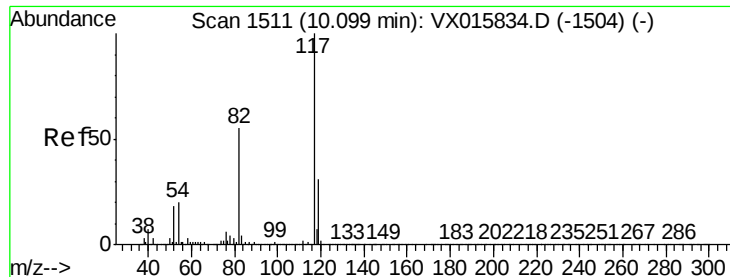
Tot Ion: 43 Resp: 238203
Ion Ratio Lower Upper
43 100
58 18.2 26.5 79.4#



#62
4-Bromofluorobenzene
Concen: 53.541 ug/l
RT: 11.12 min Scan# 1679
Delta R.T. -0.00 min
Lab File: VX015917.D
Acq: 24 Apr 2020 02:05

Tgt Ion: 95 Resp: 662000
Ion Ratio Lower Upper
95 100
174 85.2 0.0 172.4
176 87.6 0.0 167.0

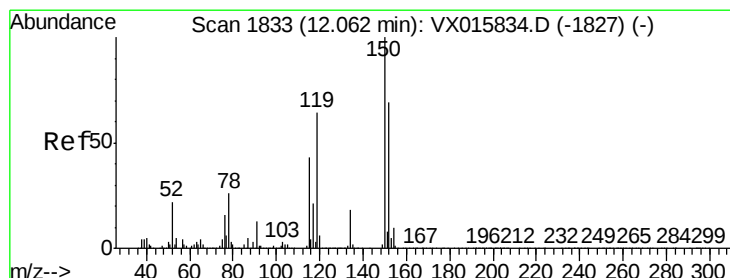
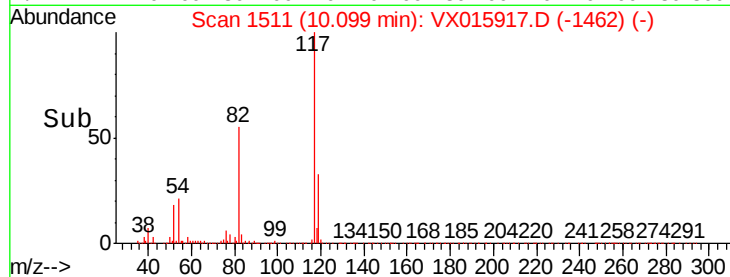
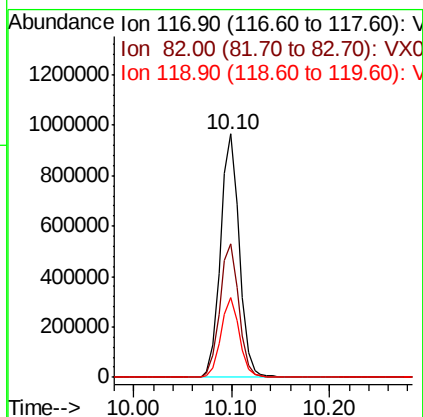
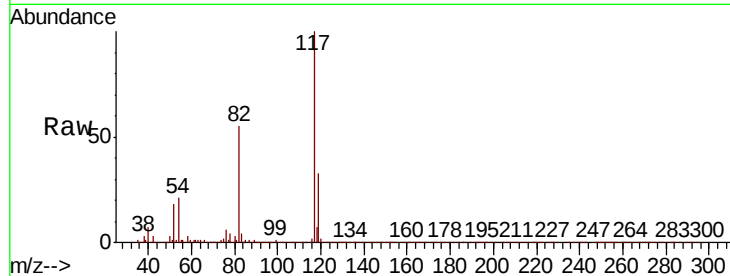




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1511
Delta R.T. -0.00 min
Lab File: VX015917.D
Acq: 24 Apr 2020 02:05

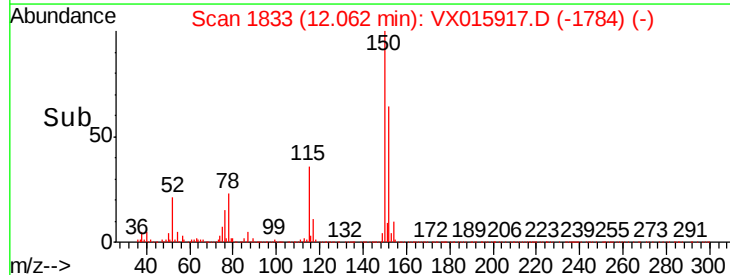
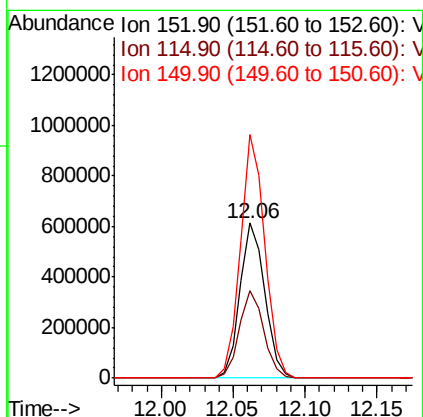
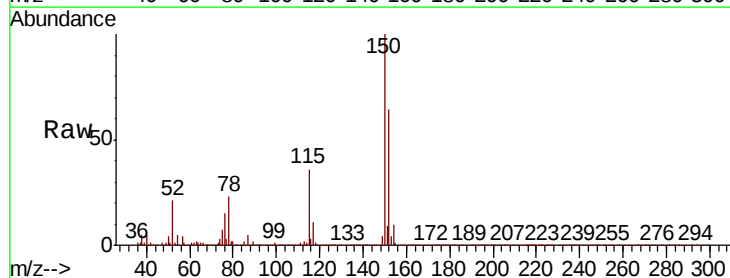
Instrument :
MSVOA_X
ClientSampleId :
TP-6-S

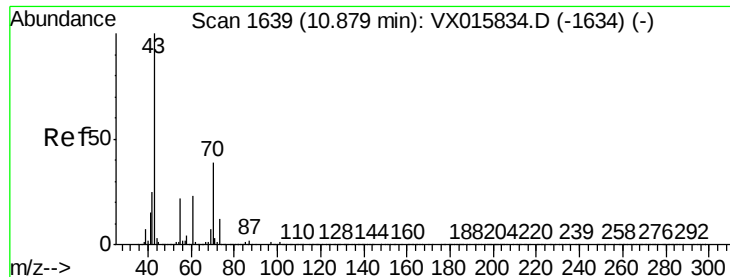
Tot Ion:117 Resp: 1283779
Ion Ratio Lower Upper
117 100
82 54.8 43.9 65.9
119 32.8 25.1 37.7



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.06 min Scan# 1833
Delta R.T. -0.00 min
Lab File: VX015917.D
Acq: 24 Apr 2020 02:05

Tgt Ion:152 Resp: 737713
Ion Ratio Lower Upper
152 100
115 55.2 39.0 116.9
150 153.1 0.0 336.8





#74

N-amvl acetate

Concen: 0.593 ug/l

RT: 10.81 min Scan# 1627

Delta R.T. -0.07 min

Lab File: VX015917.D

Acq: 24 Apr 2020 02:05

Instrument :

MSVOA_X

ClientSampleId :

TP-6-S

Tot Ion: 43 Resp: 14338

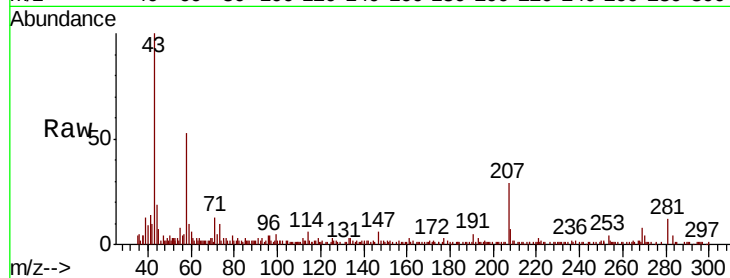
Ion Ratio Lower Upper

43 100

70 3.5 32.6 49.0#

55 12.4 18.3 27.5#

61 0.0 18.7 28.1#

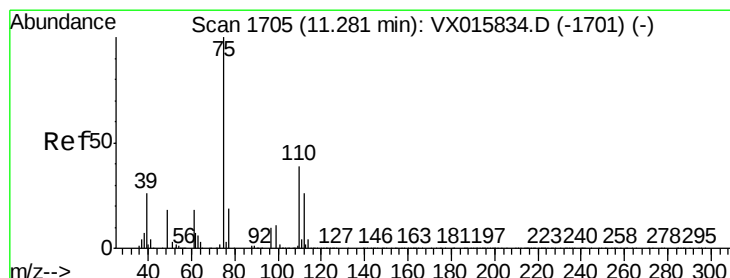
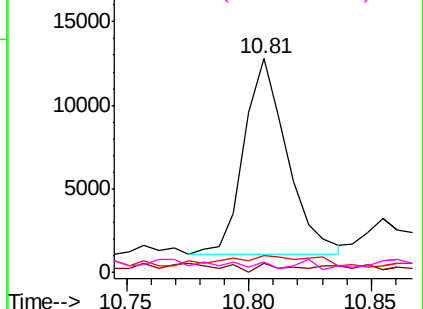
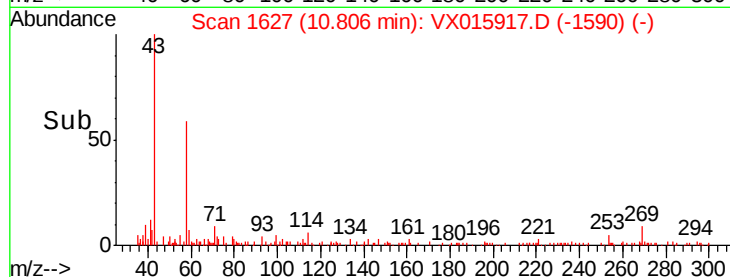


Abundance Ion 43.00 (42.70 to 43.70): VX0

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: 23.455 ug/l

RT: 11.12 min Scan# 1679

Delta R.T. -0.16 min

Lab File: VX015917.D

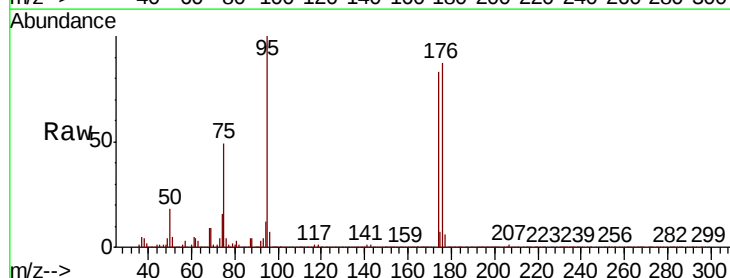
Acq: 24 Apr 2020 02:05

Tgt Ion: 75 Resp: 329029

Ion Ratio Lower Upper

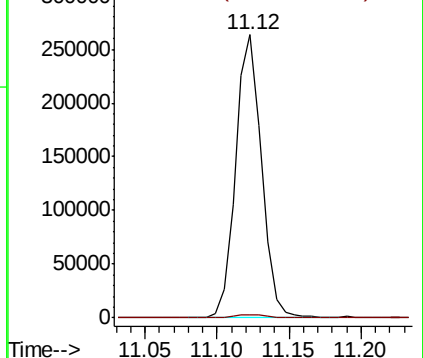
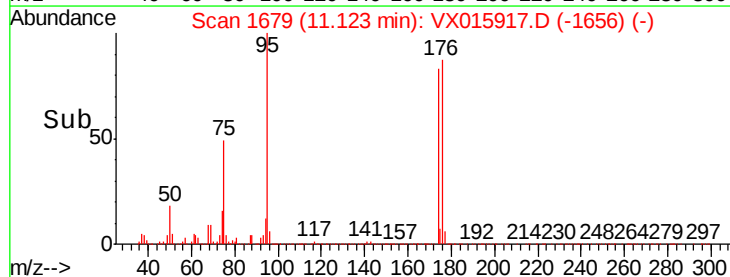
75 100

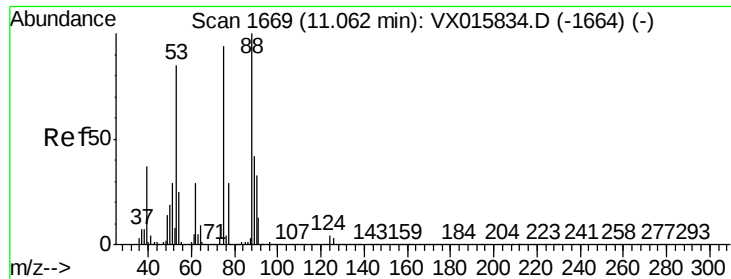
77 1.3 21.3 63.9#



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: 56.421 ug/l

RT: 11.12 min Scan# 1679

Delta R.T. 0.06 min

Lab File: VX015917.D

Acq: 24 Apr 2020 02:05

Instrument :

MSVOA_X

ClientSampleId :

TP-6-S

Tot Ion: 75 Resp: 329029

Ion Ratio Lower Upper

75 100

53 0.0 74.2 111.2#

89 0.0 38.0 57.0#

