

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX042120\
 Data File : VX015803.D
 Acq On : 21 Apr 2020 18:32
 Operator : JC/SP
 Sample : L2332-03
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TP-8

Quant Time: Apr 22 04:21:10 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	1029898	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	1586047	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	1516287	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	849340	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	565636	38.94	ug/l	0.00
Spiked Amount			Recovery	=	77.88%	
35) Dibromofluoromethane	5.47	113	460063	45.38	ug/l	0.00
Spiked Amount			Recovery	=	90.76%	
50) Toluene-d8	8.70	98	1862623	49.90	ug/l	0.00
Spiked Amount			Recovery	=	99.80%	
62) 4-Bromofluorobenzene	11.12	95	788320	51.97	ug/l	0.00
Spiked Amount			Recovery	=	103.94%	

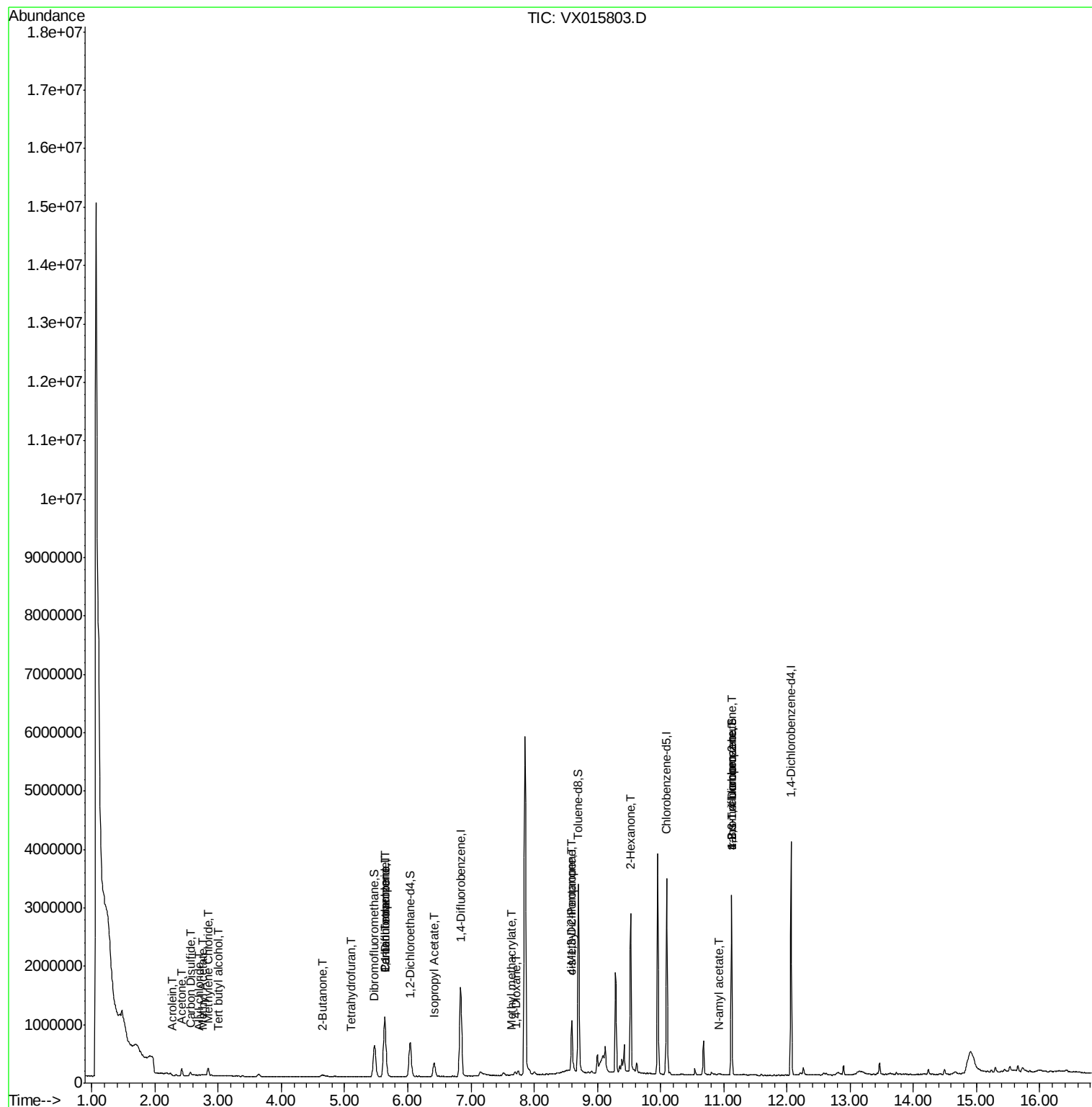
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.63	94	244	Below Cal	#	3
11) Tert butyl alcohol	3.00	59	5984	1.721	ug/l #	86
13) Acrolein	2.28	56	1701	0.859	ug/l #	14
14) Allyl chloride	2.70	41	6439	0.283	ug/l #	39
16) Acetone	2.42	43	163999	26.280	ug/l	94
17) Carbon Disulfide	2.56	76	76614	2.583	ug/l #	95
18) Methyl Acetate	2.75	43	26257	1.649	ug/l	96
20) Methylene Chloride	2.84	84	55824	4.789	ug/l #	89
25) 2-Butanone	4.65	43	33484	3.336	ug/l #	84
29) Tetrahydrofuran	5.10	42	1445	0.224	ug/l #	14
36) 1,1-Dichloropropene	5.63	75	69897	4.783	ug/l #	52
38) Carbon Tetrachloride	5.64	117	91369	5.773	ug/l #	15
43) Isopropyl Acetate	6.42	43	348242	10.841	ug/l	98
48) Methyl methacrylate	7.65	41	20804	1.297	ug/l #	19
49) 1,4-Dioxane	7.72	88	6099	20.377	ug/l #	58
51) 4-Methyl-2-Pentanone	8.59	43	403283	22.154	ug/l #	46
54) cis-1,3-Dichloropropene	8.60	75	146114	7.472	ug/l #	50
59) 2-Hexanone	9.53	43	404261	29.415	ug/l #	48
74) N-amyl acetate	10.92	43	15528	0.502	ug/l #	48
76) 1,2,3-Trichloropropane	11.12	75	387606	22.192	ug/l #	35
81) trans-1,4-Dichloro-2-buten	11.12	75	387606	53.249	ug/l #	10

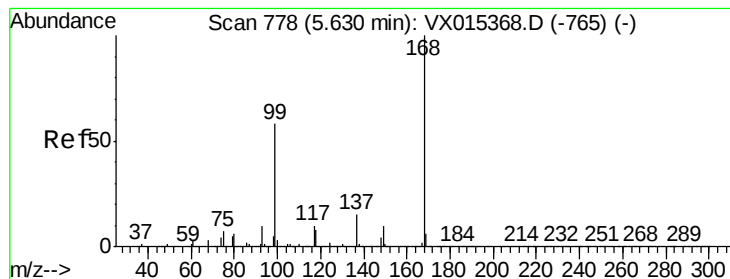
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VX015803.D

Acq: 21 Apr 2020 18:32

Instrument :

MSVOA_X

ClientSampled :

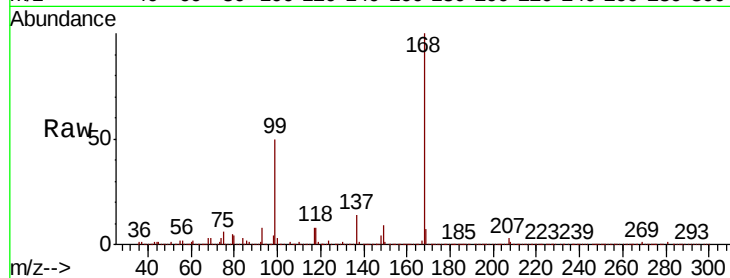
TP-8

Tot Ion:168 Resp: 1029898

Ion Ratio Lower Upper

168 100

99 50.0 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

400000

300000

200000

100000

0

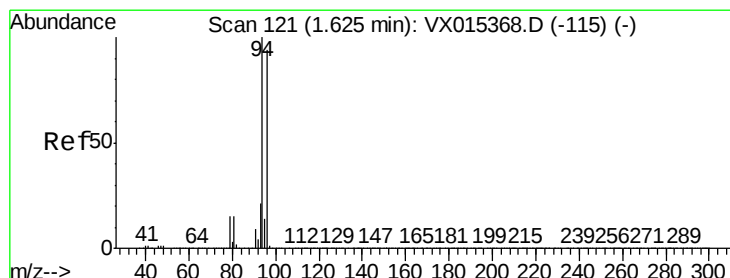
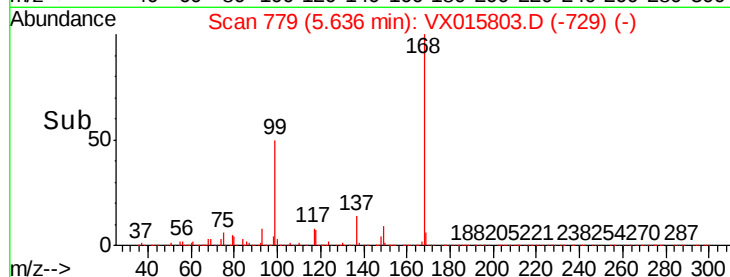
5.50

5.60

5.70

5.80

Time-->



#5

Bromomethane

Concen: Below Cal

RT: 1.63 min Scan# 122

Delta R.T. 0.01 min

Lab File: VX015803.D

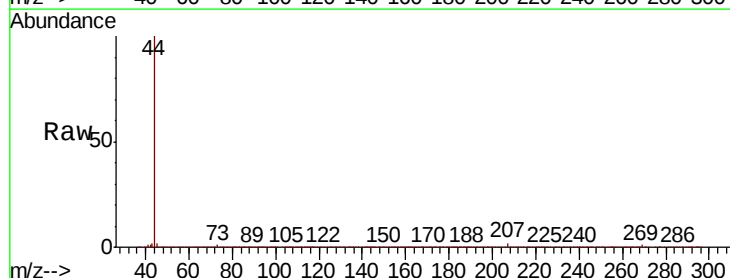
Acq: 21 Apr 2020 18:32

Tgt Ion: 94 Resp: 244

Ion Ratio Lower Upper

94 100

96 0.0 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

1.61

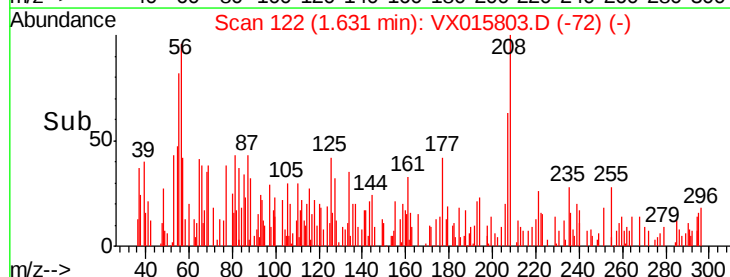
1.62

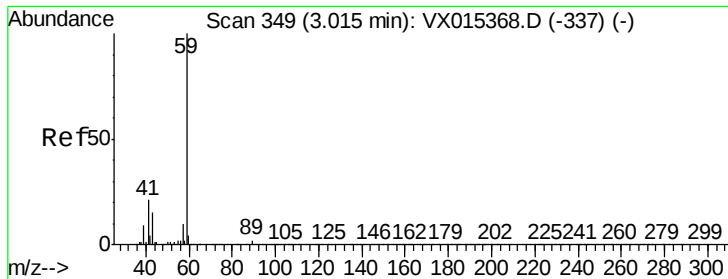
1.63

1.64

1.65

Time-->

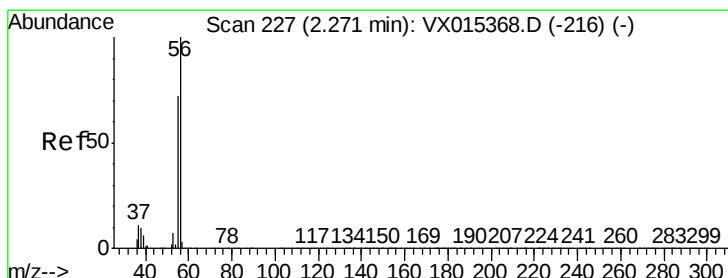
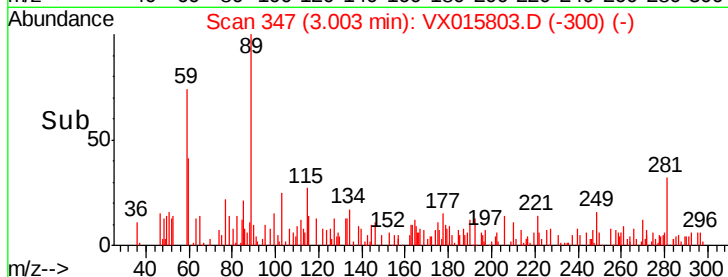
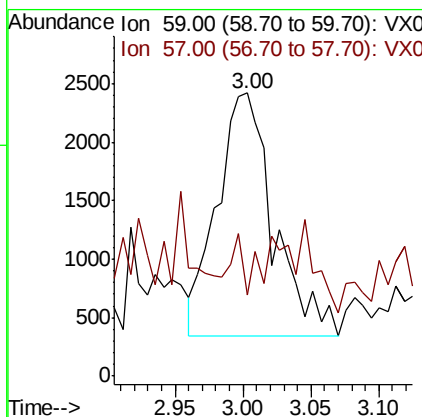
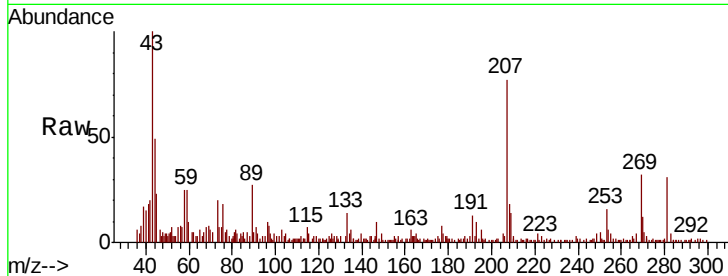




#11
Tert butyl alcohol
Concen: 1.721 ug/l
RT: 3.00 min Scan# 347
Delta R.T. -0.01 min
Lab File: VX015803.D
Acq: 21 Apr 2020 18:32

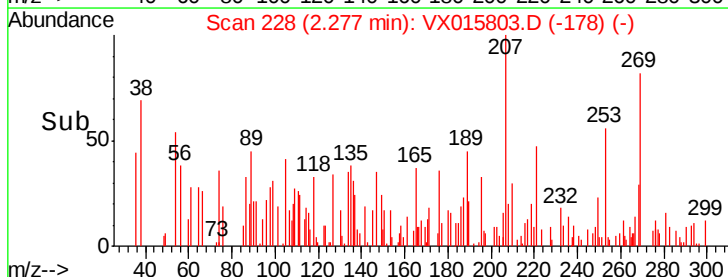
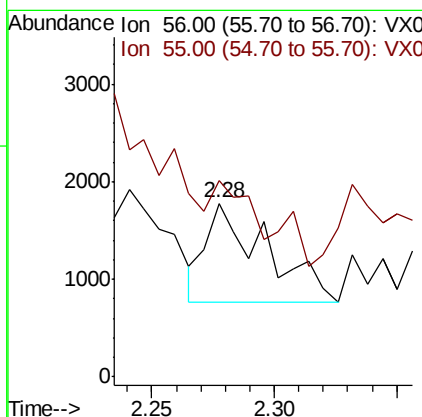
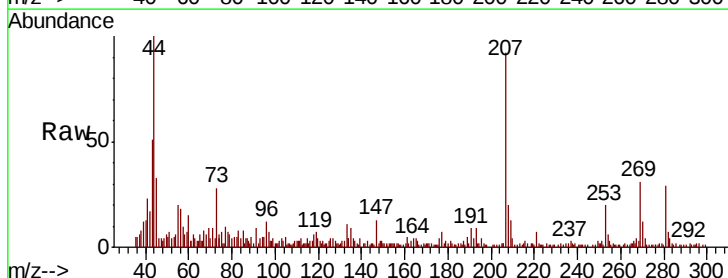
Instrument :
MSVOA_X
ClientSampled :
TP-8

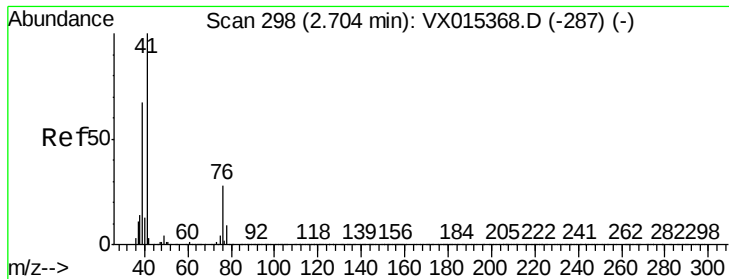
Tot Ion: 59 Resp: 5984
Ion Ratio Lower Upper
59 100
57 4.8 8.1 12.1#



#13
Acrolein
Concen: 0.859 ug/l
RT: 2.28 min Scan# 228
Delta R.T. 0.01 min
Lab File: VX015803.D
Acq: 21 Apr 2020 18:32

Tgt Ion: 56 Resp: 1701
Ion Ratio Lower Upper
56 100
55 0.0 57.0 85.4#

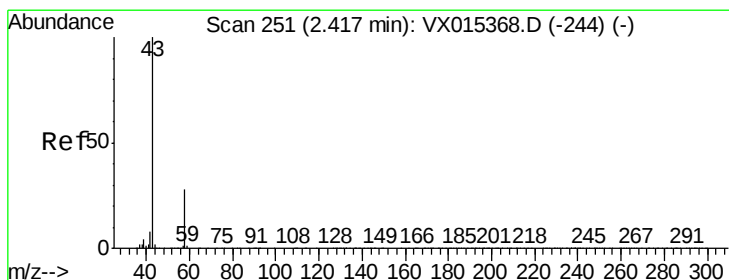
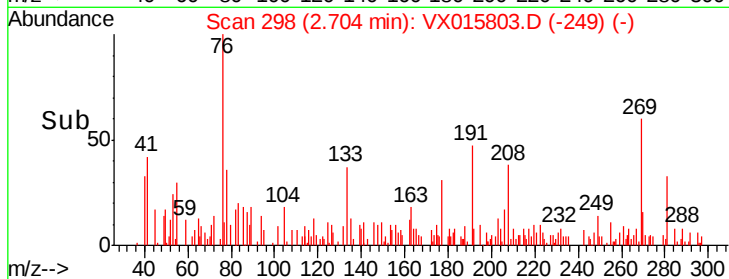
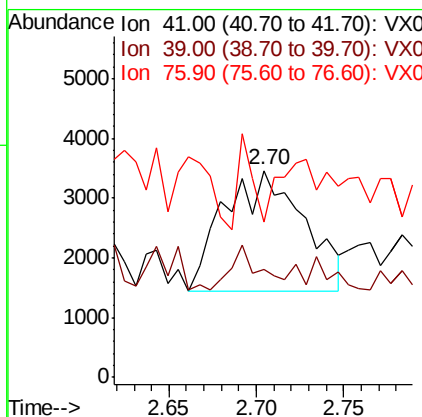
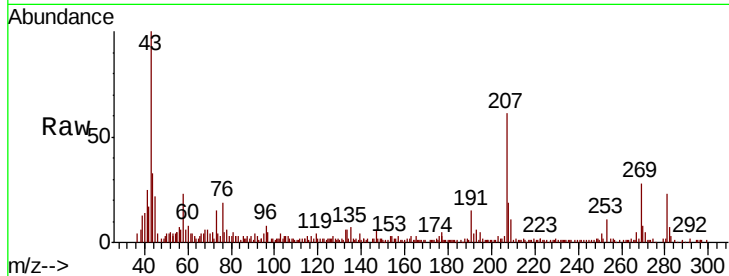




#14
Allvl chloride
Concen: 0.283 ug/l
RT: 2.70 min Scan# 298
Delta R.T. 0.00 min
Lab File: VX015803.D
Acq: 21 Apr 2020 18:32

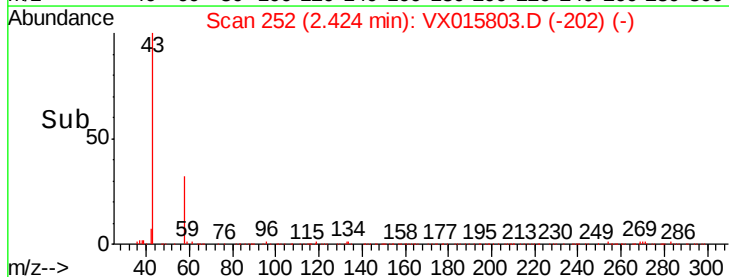
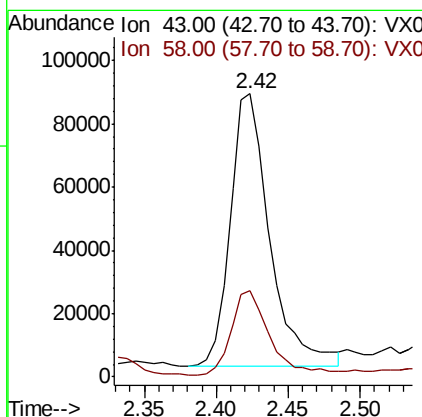
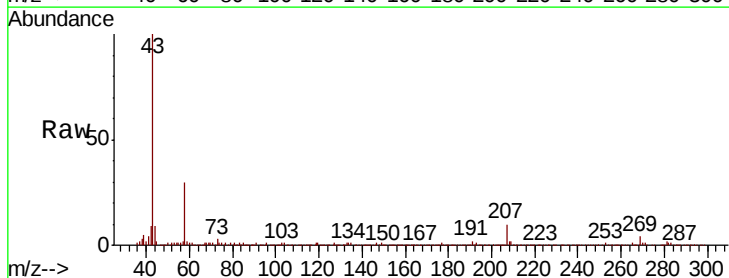
Instrument :
MSVOA_X
ClientSampled :
TP-8

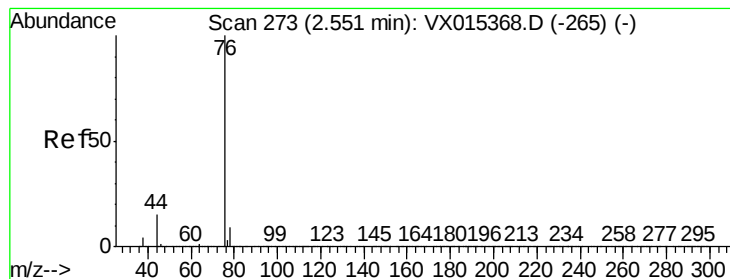
Tot Ion: 41 Resp: 6439
Ion Ratio Lower Upper
41 100
39 13.2 51.4 77.0#
76 0.0 21.8 32.8#



#16
Acetone
Concen: 26.280 ug/l
RT: 2.42 min Scan# 252
Delta R.T. 0.01 min
Lab File: VX015803.D
Acq: 21 Apr 2020 18:32

Tgt Ion: 43 Resp: 163999
Ion Ratio Lower Upper
43 100
58 30.7 22.1 33.1





#17

Carbon Disulfide

Concen: 2.583 ug/l

RT: 2.56 min Scan# 274

Delta R.T. 0.01 min

Lab File: VX015803.D

Acq: 21 Apr 2020 18:32

Instrument :

MSVOA_X

ClientSampleId :

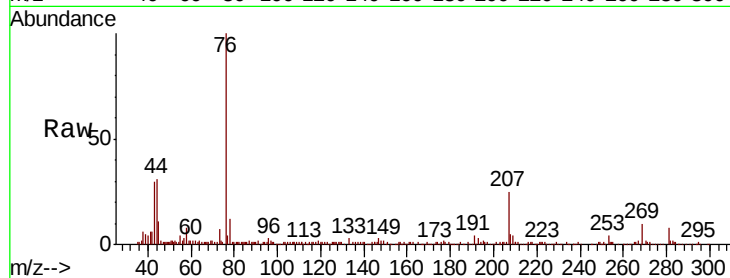
TP-8

Tot Ion: 76 Resp: 76614

Ion Ratio Lower Upper

76 100

78 10.8 7.1 10.7#



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

2.56

40000

30000

20000

10000

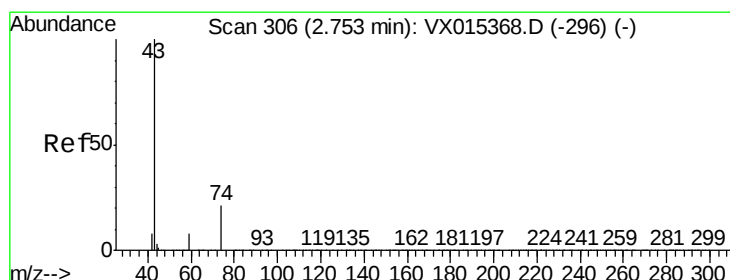
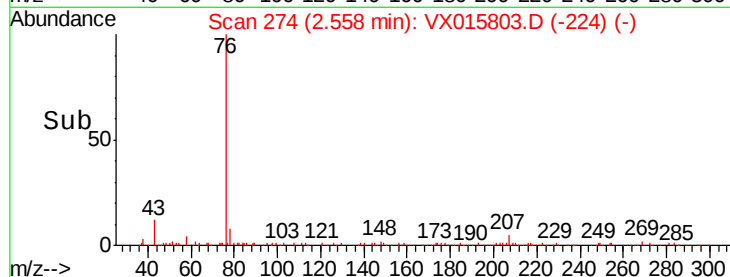
0

Time-->

2.50

2.60

2.70



#18

Methyl Acetate

Concen: 1.649 ug/l

RT: 2.75 min Scan# 306

Delta R.T. 0.00 min

Lab File: VX015803.D

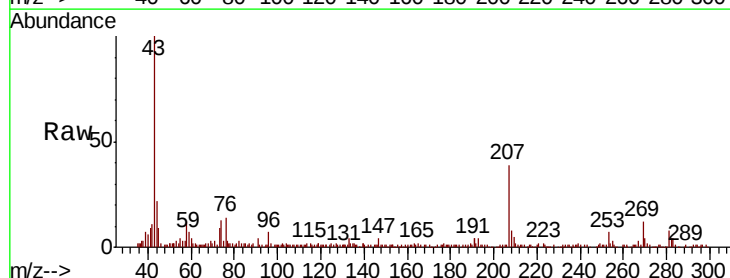
Acq: 21 Apr 2020 18:32

Tgt Ion: 43 Resp: 26257

Ion Ratio Lower Upper

43 100

74 18.5 16.5 24.7



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

2.75

25000

20000

15000

10000

5000

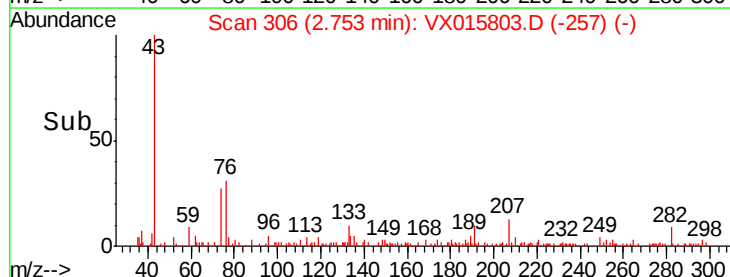
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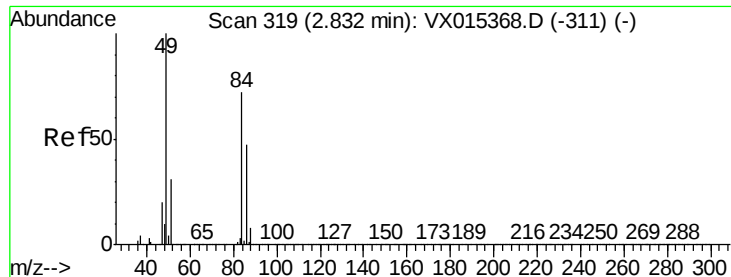
Time-->

2.70

2.75

2.80

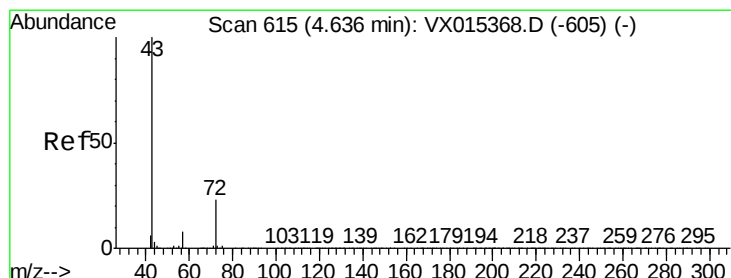
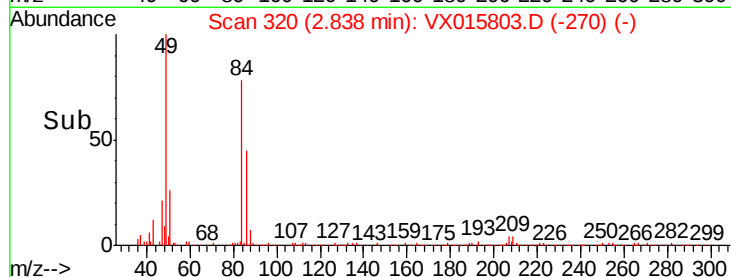
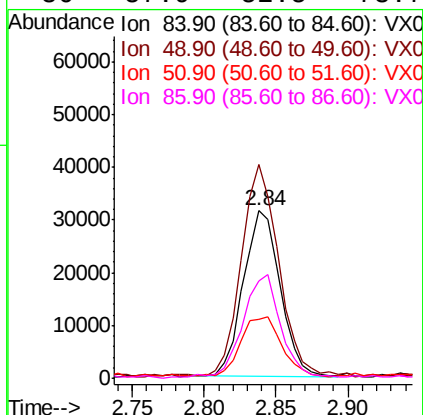
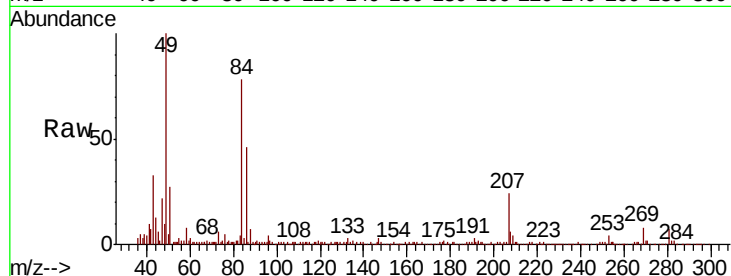




#20
Methvlene Chloride
Concen: 4.789 ug/l
RT: 2.84 min Scan# 320
Delta R.T. 0.01 min
Lab File: VX015803.D
Acq: 21 Apr 2020 18:32

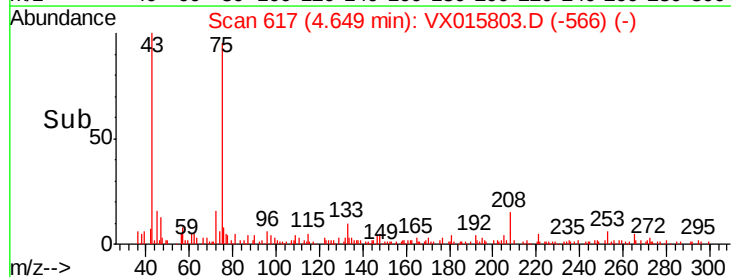
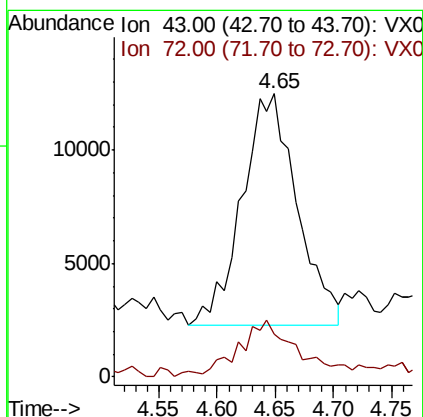
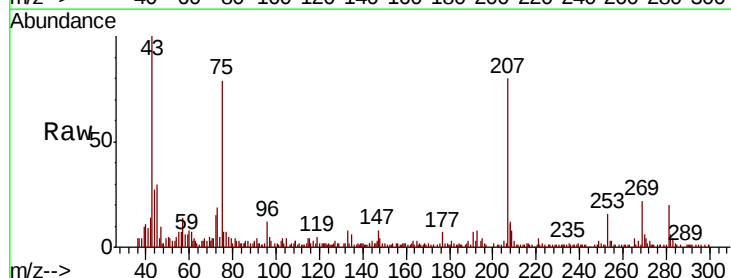
Instrument :
MSVOA_X
ClientSampleId :
TP-8

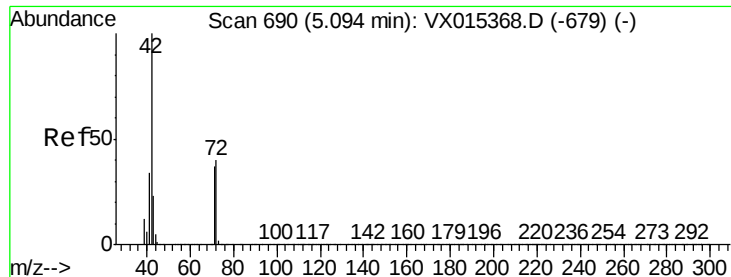
Tot Ion: 84 Resp: 55824
Ion Ratio Lower Upper
84 100
49 127.0 111.3 166.9
51 33.7 34.0 51.0#
86 57.9 52.5 78.7



#25
2-Butanone
Concen: 3.336 ug/l
RT: 4.65 min Scan# 617
Delta R.T. 0.01 min
Lab File: VX015803.D
Acq: 21 Apr 2020 18:32

Tgt Ion: 43 Resp: 33484
Ion Ratio Lower Upper
43 100
72 15.8 19.0 28.4#





#29

Tetrahydrofuran

Concen: 0.224 ug/l

RT: 5.10 min Scan# 691

Delta R.T. 0.01 min

Lab File: VX015803.D

Acq: 21 Apr 2020 18:32

Instrument :

MSVOA_X

ClientSampled :

TP-8

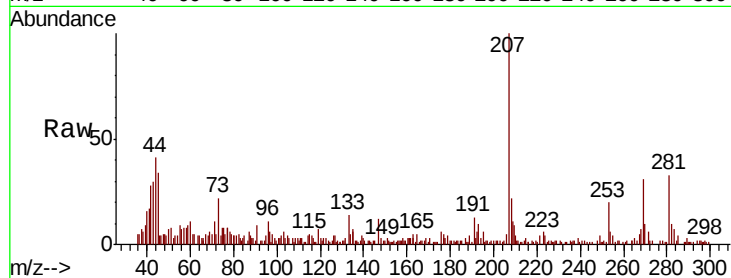
Tot Ion: 42 Resp: 1445

Ion Ratio Lower Upper

42 100

72 106.2 31.7 47.5#

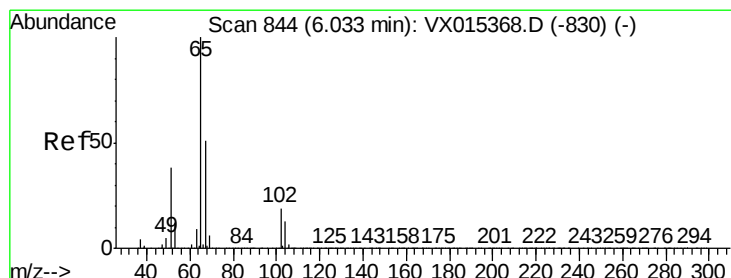
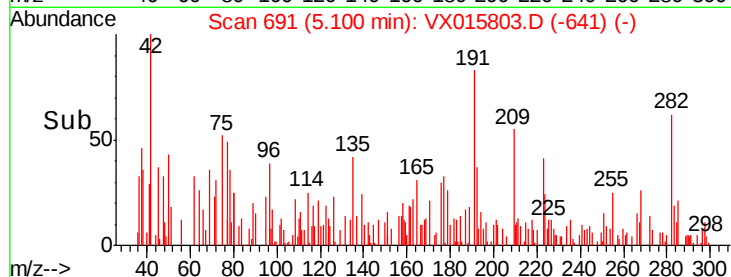
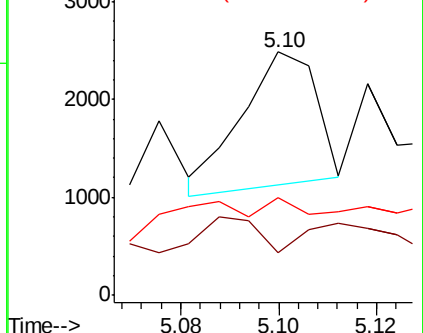
71 0.0 29.6 44.4#



Abundance Ion 42.00 (41.70 to 42.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0



#33

1,2-Dichloroethane-d4

Concen: 38.941 ug/l

RT: 6.04 min Scan# 845

Delta R.T. 0.01 min

Lab File: VX015803.D

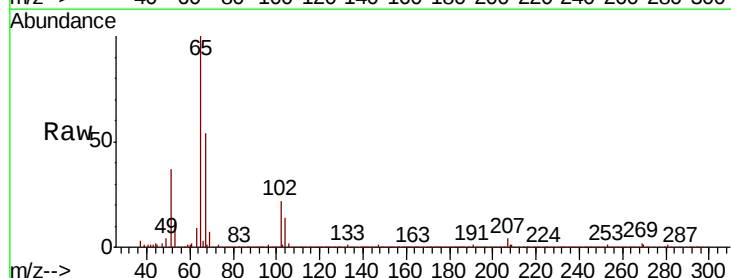
Acq: 21 Apr 2020 18:32

Tgt Ion: 65 Resp: 565636

Ion Ratio Lower Upper

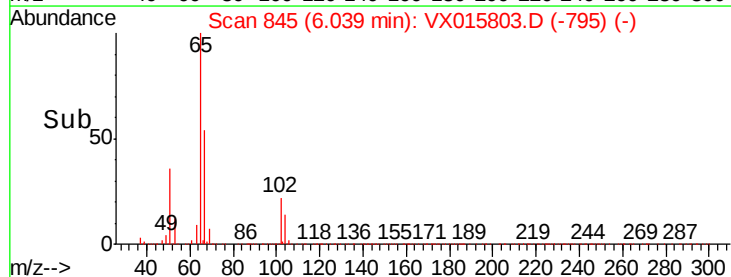
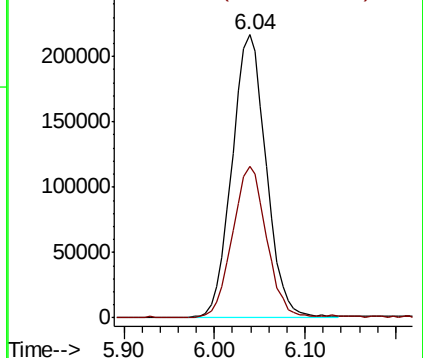
65 100

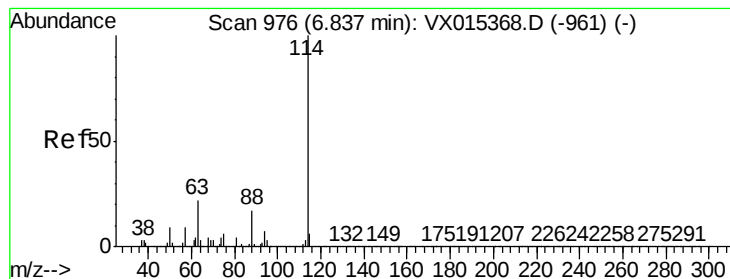
67 53.1 0.0 102.6



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.84 min Scan# 976

Delta R.T. 0.00 min

Lab File: VX015803.D

Acq: 21 Apr 2020 18:32

Instrument :

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ClientSampleId :

TP-8

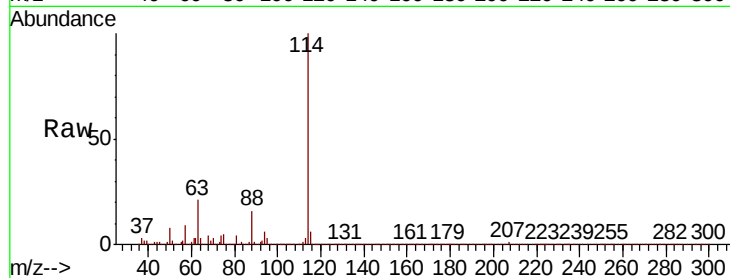
Tot Ion:114 Resp: 1586047

Ion Ratio Lower Upper

114 100

63 20.5 0.0 44.2

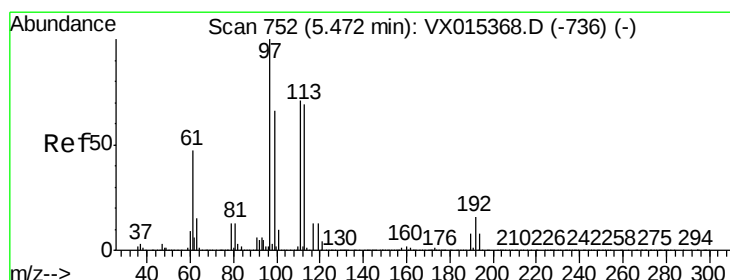
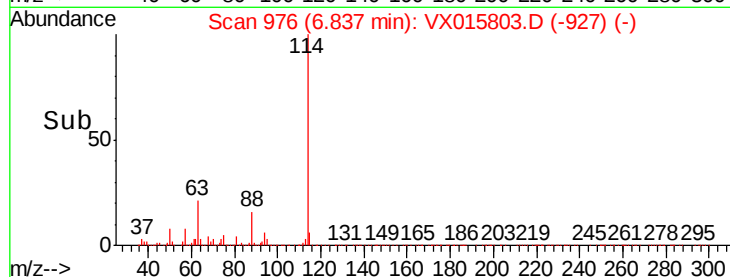
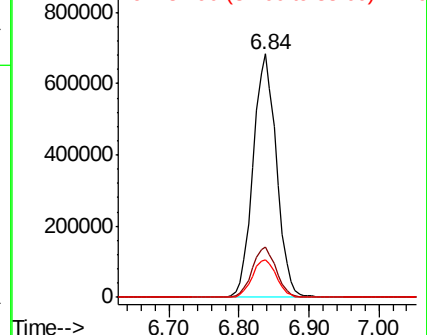
88 15.5 0.0 33.8



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



#35

Dibromofluoromethane

Concen: 45.378 ug/l

RT: 5.47 min Scan# 752

Delta R.T. 0.00 min

Lab File: VX015803.D

Acq: 21 Apr 2020 18:32

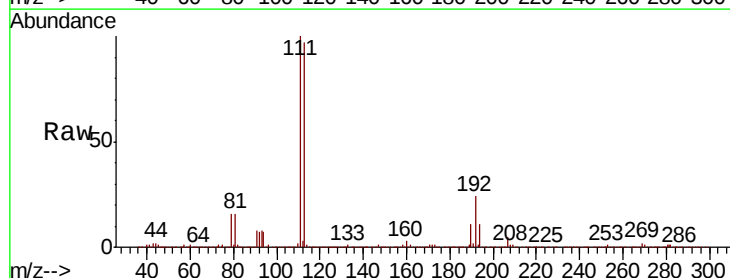
Tgt Ion:113 Resp: 460063

Ion Ratio Lower Upper

113 100

111 102.1 81.5 122.3

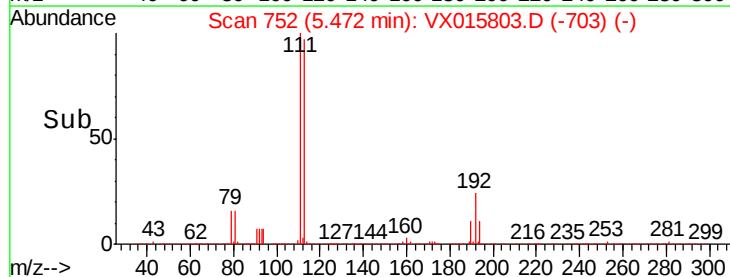
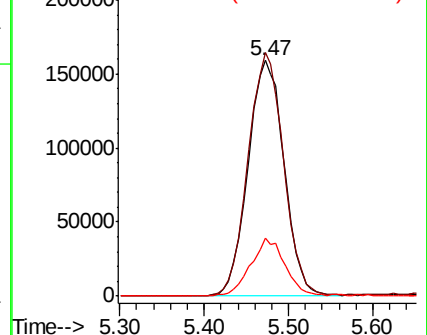
192 23.3 17.8 26.6

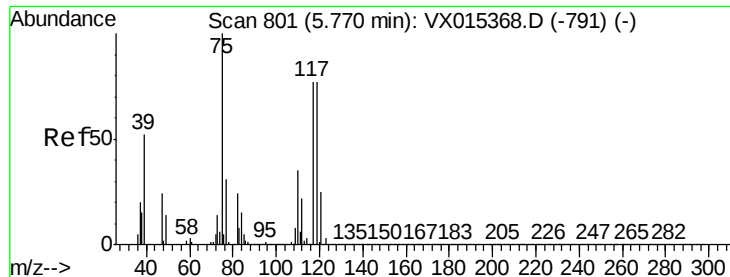


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

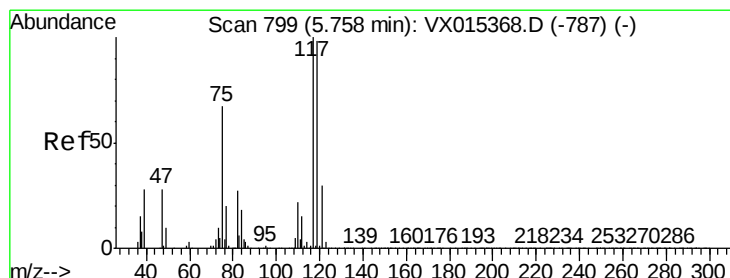
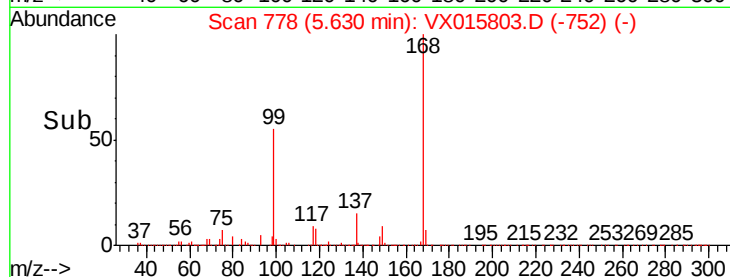
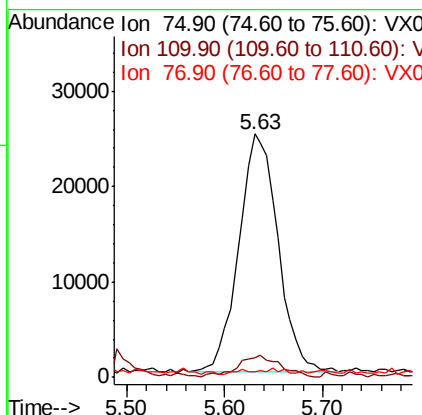
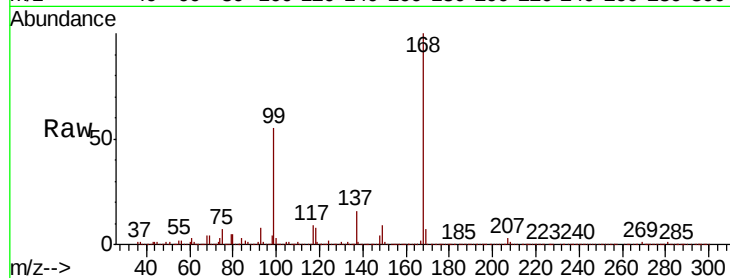




#36
 1,1-Dichloropropene
 Concen: 4.783 ug/l
 RT: 5.63 min Scan# 778
 Delta R.T. -0.14 min
 Lab File: VX015803.D
 Acq: 21 Apr 2020 18:32

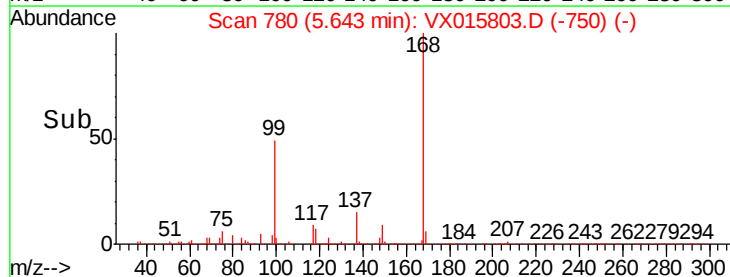
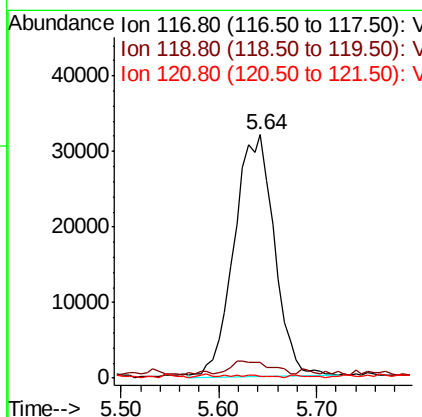
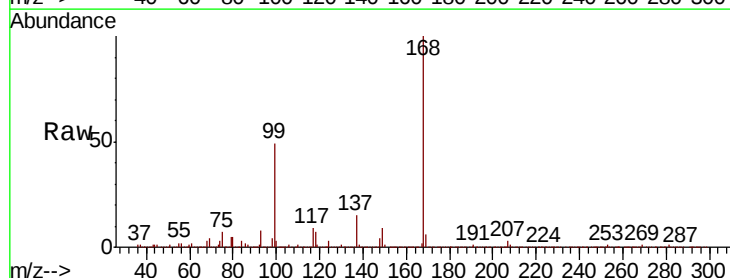
Instrument :
 MSVOA_X
 ClientSampleId :
 TP-8

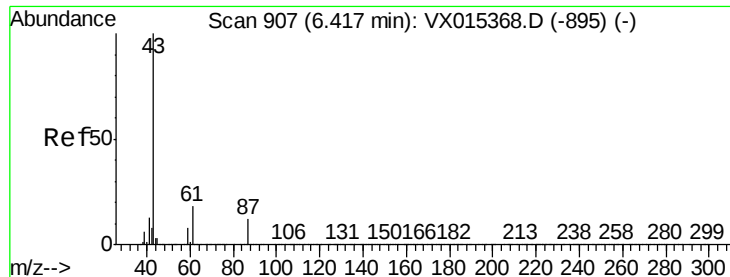
Tot Ion	Ratio	Lower	Upper
75	100		
110	10.1	17.1	51.3#
77	1.0	24.6	36.8#



#38
 Carbon Tetrachloride
 Concen: 5.773 ug/l
 RT: 5.64 min Scan# 780
 Delta R.T. -0.12 min
 Lab File: VX015803.D
 Acq: 21 Apr 2020 18:32

Tgt Ion	Ratio	Lower	Upper
117	100		
119	4.7	78.0	117.0#
121	0.4	23.8	35.8#



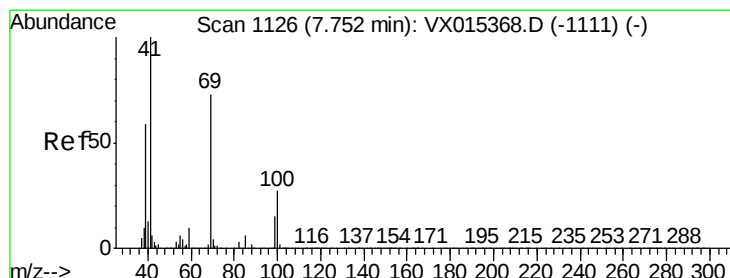
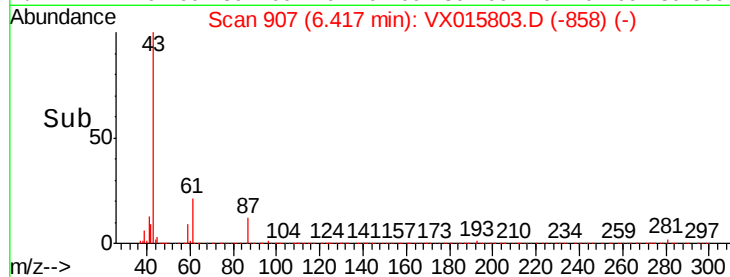
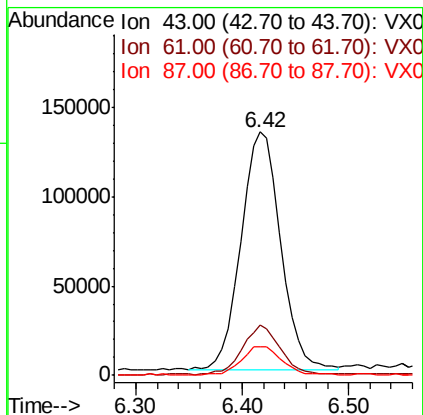
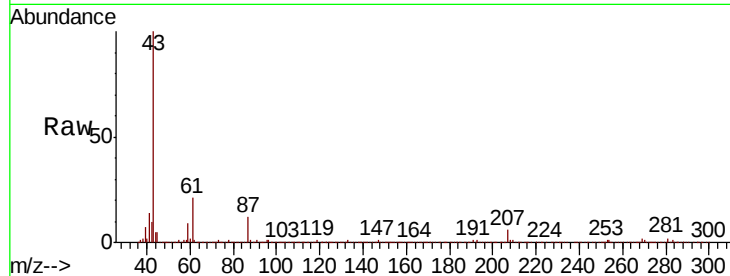


#43

Isopropyl Acetate
 Concen: 10.841 ug/l
 RT: 6.42 min Scan# 907
 Delta R.T. 0.00 min
 Lab File: VX015803.D
 Acq: 21 Apr 2020 18:32

Instrument :
 MSVOA_X
 ClientSampleId :
 TP-8

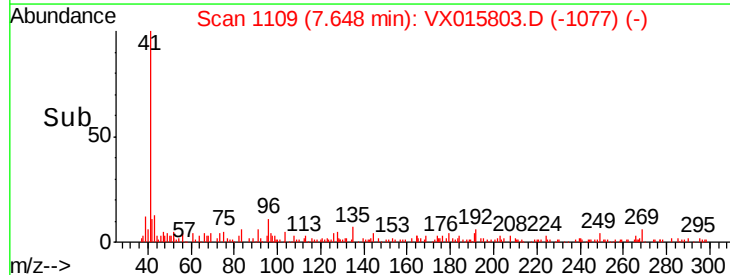
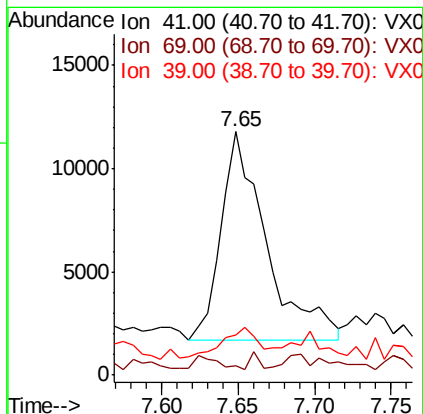
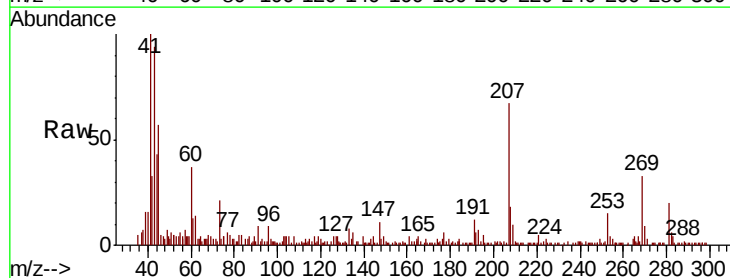
Tot Ion	Ratio	Lower	Upper
43	100		
61	19.4	14.8	22.2
87	12.8	9.4	14.0

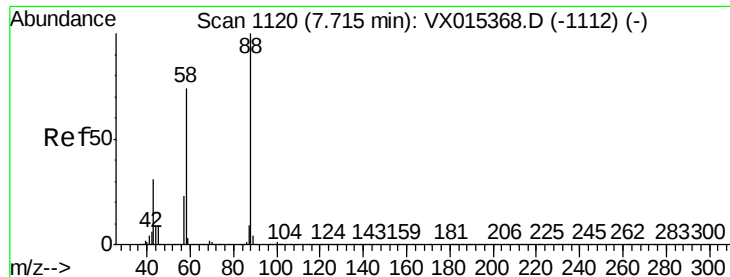


#48

Methyl methacrylate
 Concen: 1.297 ug/l
 RT: 7.65 min Scan# 1109
 Delta R.T. -0.10 min
 Lab File: VX015803.D
 Acq: 21 Apr 2020 18:32

Tgt Ion	Ratio	Lower	Upper
41	100		
69	1.8	56.7	85.1#
39	0.0	46.5	69.7#

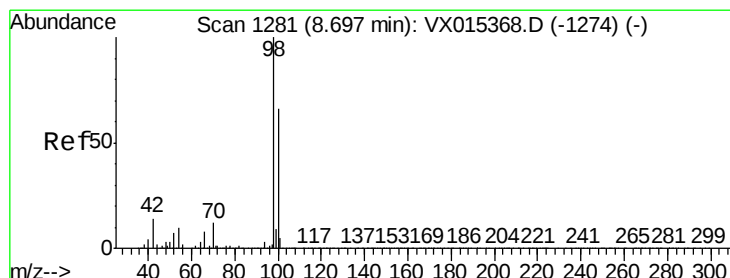
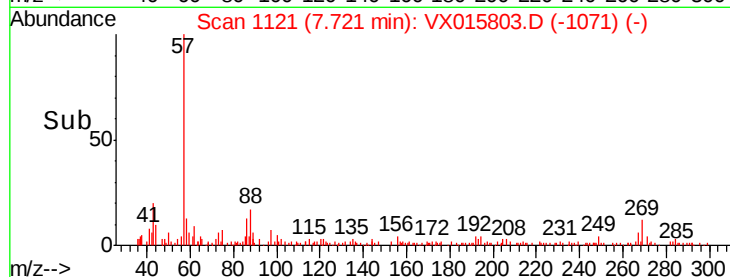
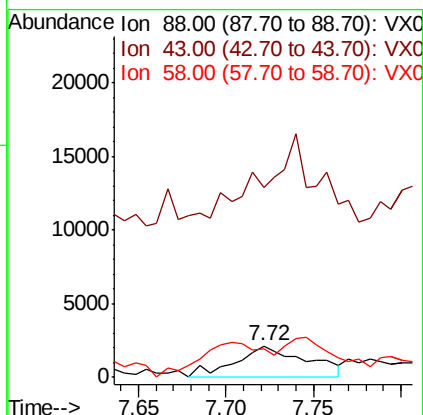
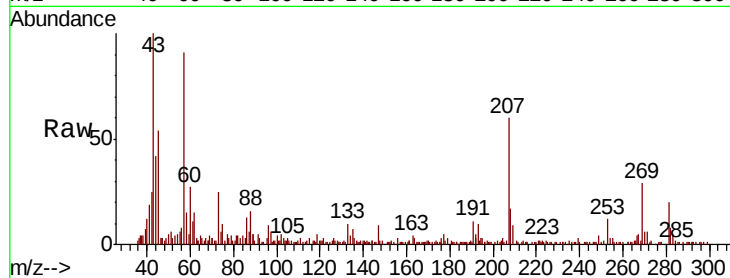




#49
1,4-Dioxane
Concen: 20.377 ug/l
RT: 7.72 min Scan# 1121
Delta R.T. 0.01 min
Lab File: VX015803.D
Acq: 21 Apr 2020 18:32

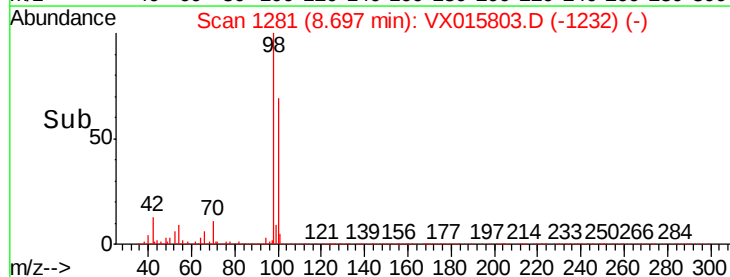
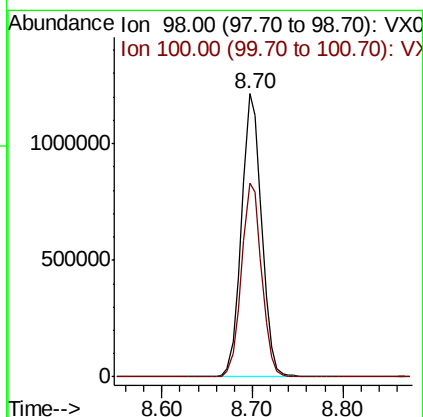
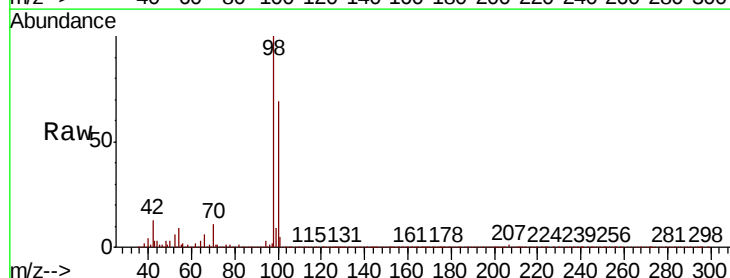
Instrument :
MSVOA_X
ClientSampleId :
TP-8

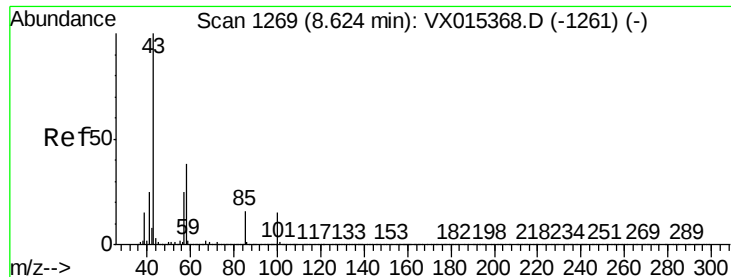
Tot Ion: 88 Resp: 6099
Ion Ratio Lower Upper
88 100
43 0.0 30.1 45.1#
58 102.7 60.6 90.8#



#50
Toluene-d8
Concen: 49.900 ug/l
RT: 8.70 min Scan# 1281
Delta R.T. 0.00 min
Lab File: VX015803.D
Acq: 21 Apr 2020 18:32

Tgt Ion: 98 Resp: 1862623
Ion Ratio Lower Upper
98 100
100 68.8 53.5 80.3





#51

4-Methyl-2-Pentanone

Concen: 22.154 ug/l

RT: 8.59 min Scan# 1264

Delta R.T. -0.03 min

Lab File: VX015803.D

Acq: 21 Apr 2020 18:32

Instrument :

MSVOA_X

ClientSampled :

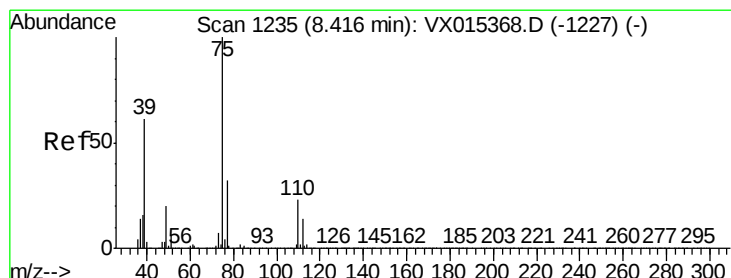
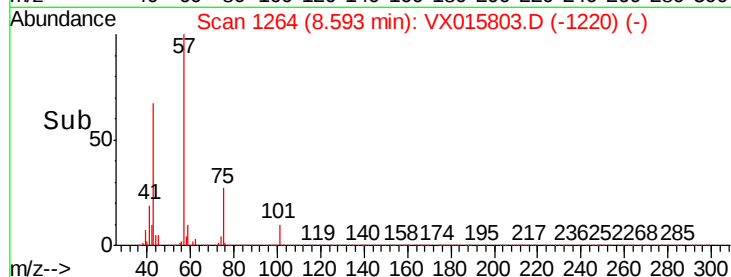
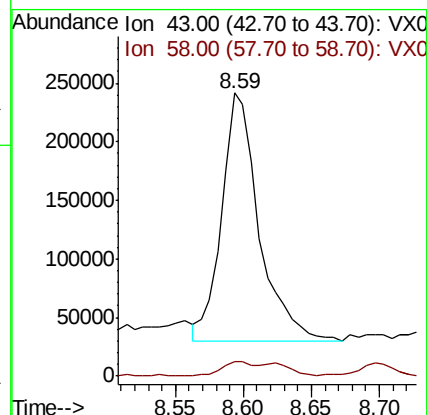
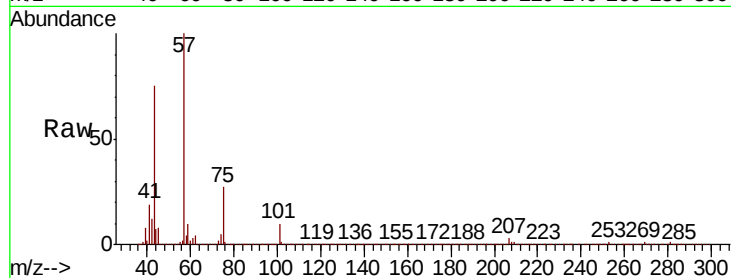
TP-8

Tot Ion: 43 Resp: 403283

Ion Ratio Lower Upper

43 100

58 4.8 29.7 44.5#



#54

cis-1,3-Dichloropropene

Concen: 7.472 ug/l

RT: 8.60 min Scan# 1265

Delta R.T. 0.18 min

Lab File: VX015803.D

Acq: 21 Apr 2020 18:32

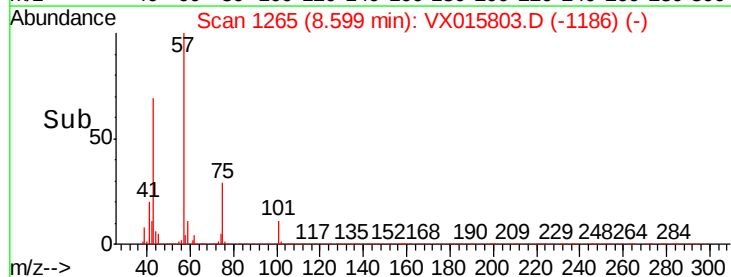
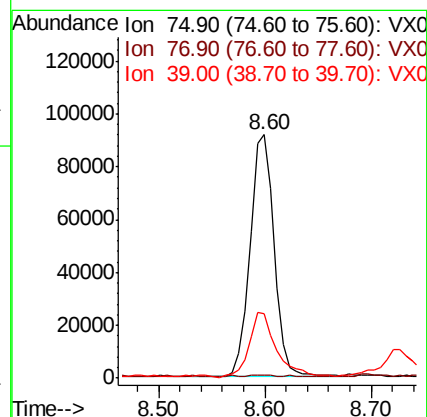
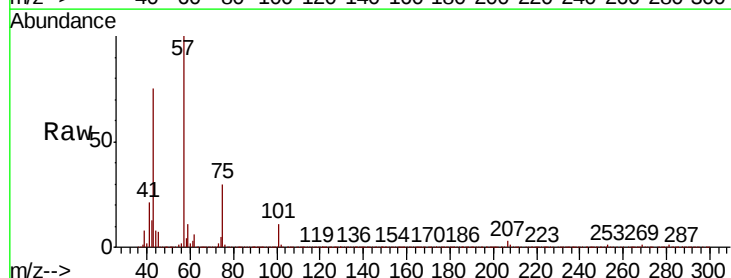
Tgt Ion: 75 Resp: 146114

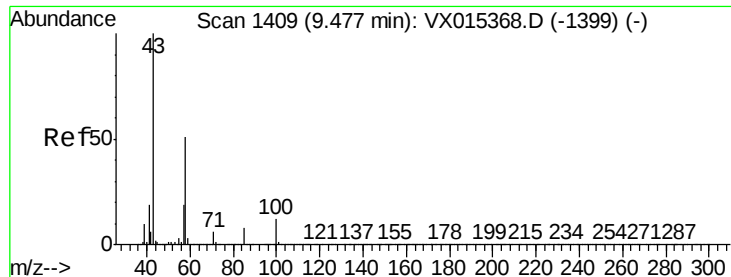
Ion Ratio Lower Upper

75 100

77 0.4 25.8 38.6#

39 25.7 49.0 73.4#

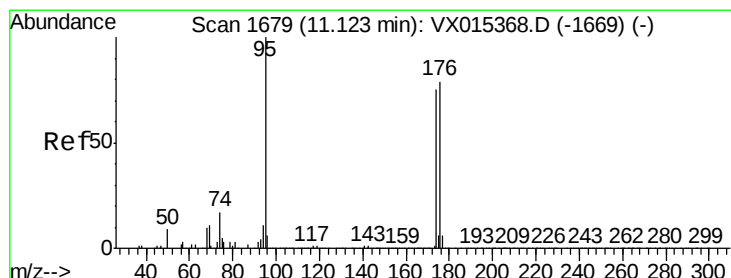
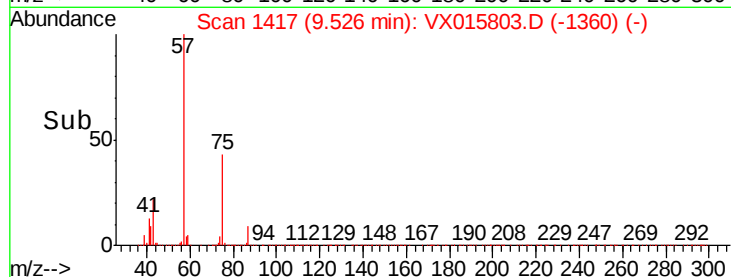
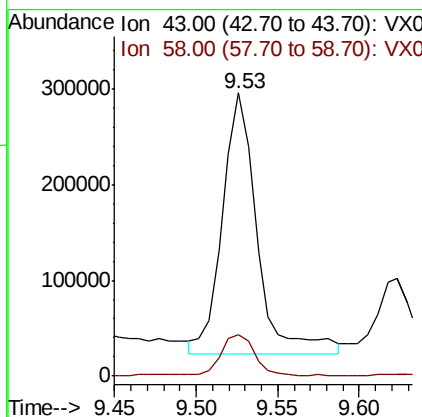
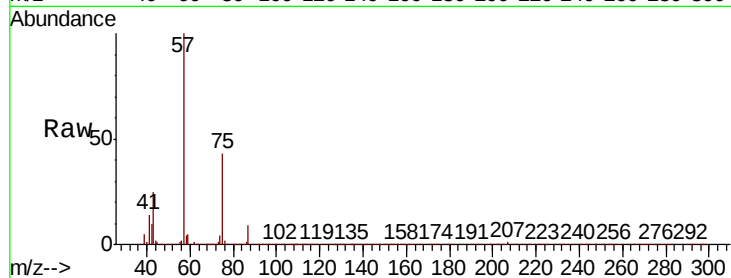




#59
2-Hexanone
Concen: 29.415 ug/l
RT: 9.53 min Scan# 1417
Delta R.T. 0.05 min
Lab File: VX015803.D
Acq: 21 Apr 2020 18:32

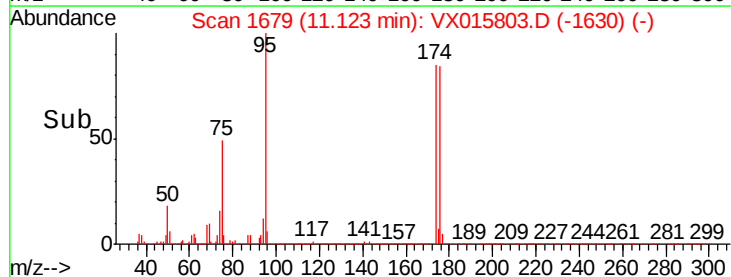
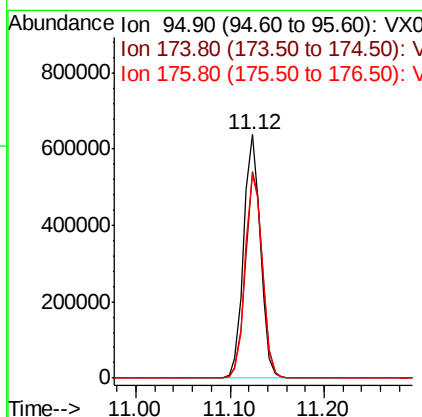
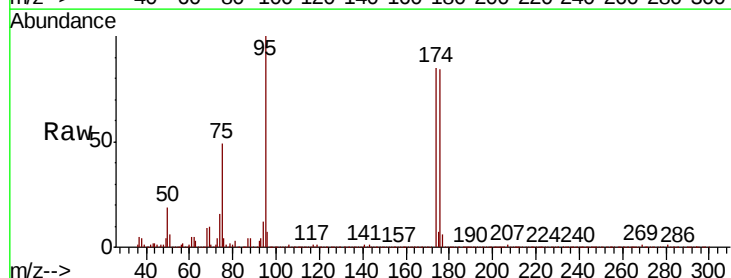
Instrument :
MSVOA_X
ClientSampleId :
TP-8

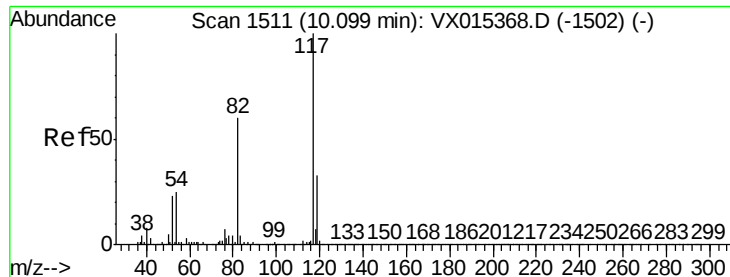
Tot Ion: 43 Resp: 404261
Ion Ratio Lower Upper
43 100
58 14.8 25.6 76.6#



#62
4-Bromofluorobenzene
Concen: 51.966 ug/l
RT: 11.12 min Scan# 1679
Delta R.T. 0.00 min
Lab File: VX015803.D
Acq: 21 Apr 2020 18:32

Tgt Ion: 95 Resp: 788320
Ion Ratio Lower Upper
95 100
174 85.4 0.0 158.6
176 85.9 0.0 159.0

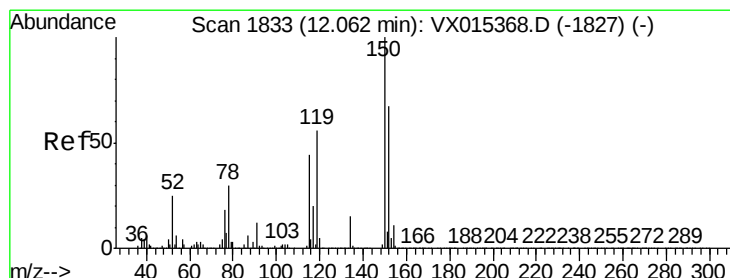
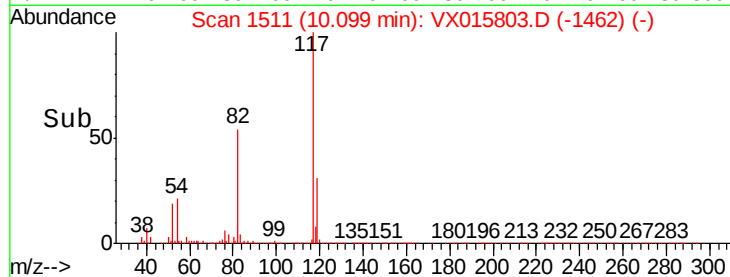
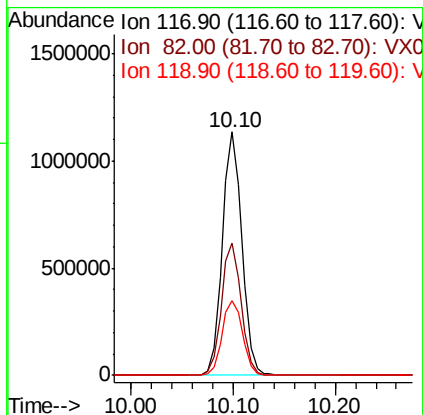
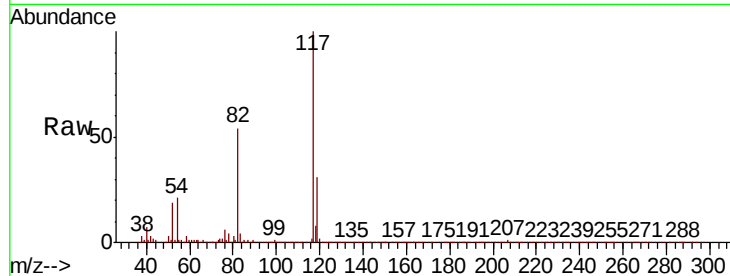




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1511
Delta R.T. 0.00 min
Lab File: VX015803.D
Acq: 21 Apr 2020 18:32

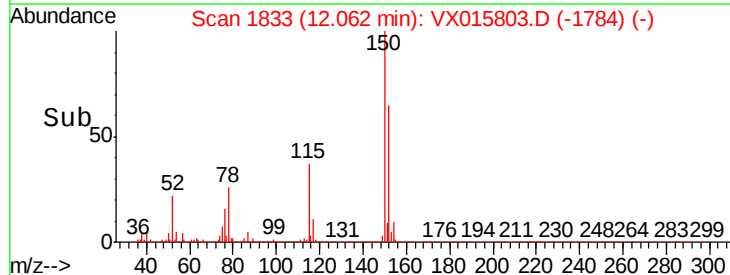
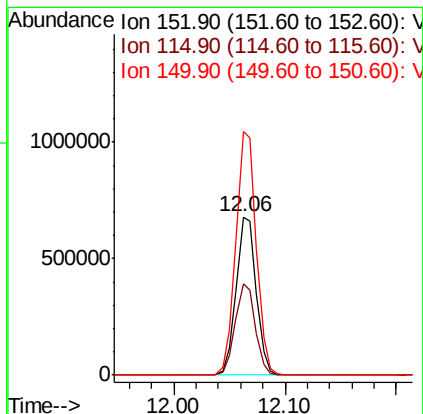
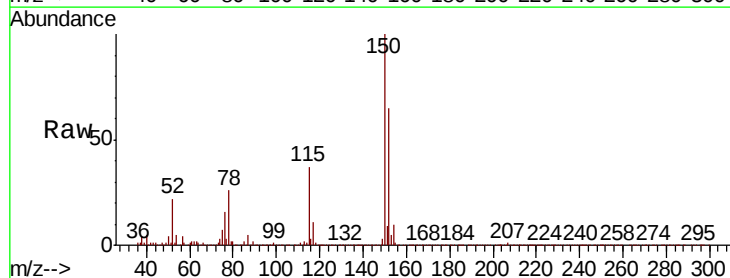
Instrument :
MSVOA_X
ClientSampled :
TP-8

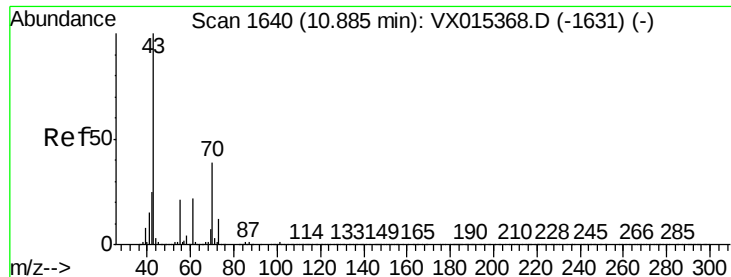
Tot Ion:117 Resp: 1516287
Ion Ratio Lower Upper
117 100
82 54.4 47.8 71.8
119 30.7 26.8 40.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.06 min Scan# 1833
Delta R.T. 0.00 min
Lab File: VX015803.D
Acq: 21 Apr 2020 18:32

Tgt Ion:152 Resp: 849340
Ion Ratio Lower Upper
152 100
115 57.8 39.0 116.9
150 155.4 0.0 340.8





#74

N-amvl acetate

Concen: 0.502 ug/l

RT: 10.92 min Scan# 1646

Delta R.T. 0.04 min

Lab File: VX015803.D

Acq: 21 Apr 2020 18:32

Instrument :

MSVOA_X

ClientSampleId :

TP-8

Tot Ion: 43 Resp: 15528

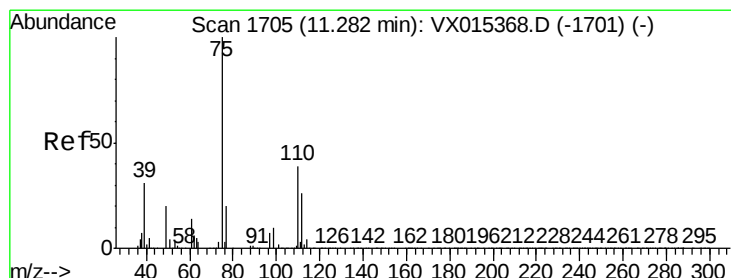
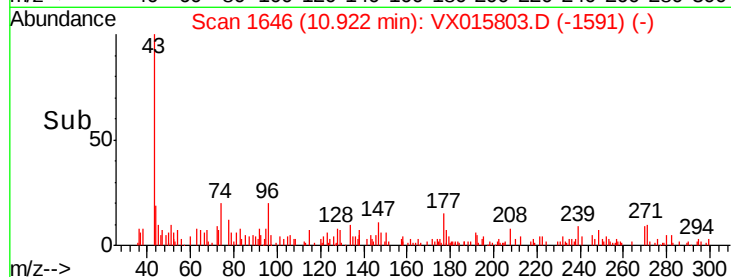
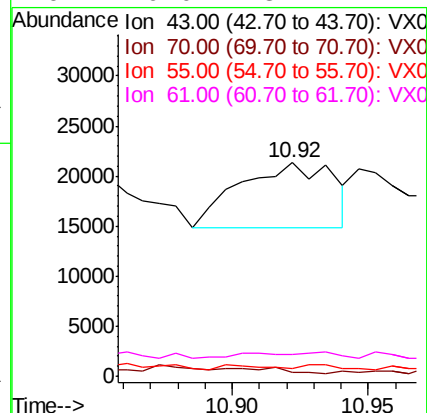
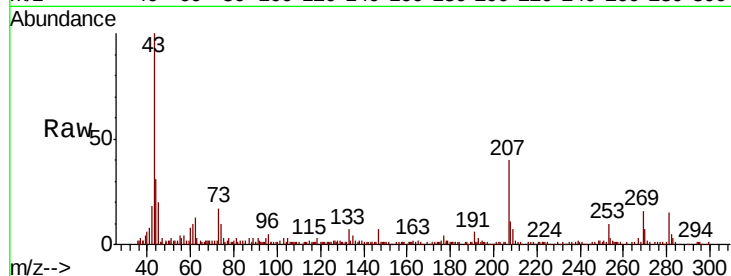
Ion Ratio Lower Upper

43 100

70 0.0 30.2 45.4#

55 3.4 16.8 25.2#

61 0.0 18.2 27.2#



#76

1,2,3-Trichloropropane

Concen: 22.192 ug/l

RT: 11.12 min Scan# 1679

Delta R.T. -0.16 min

Lab File: VX015803.D

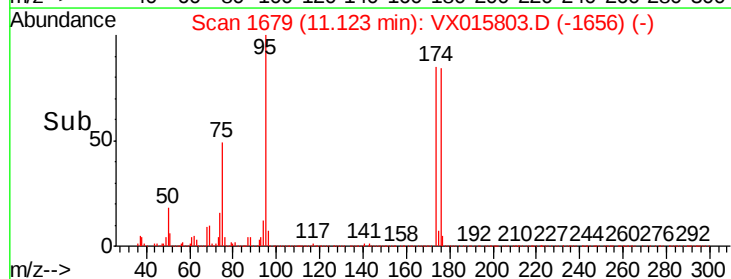
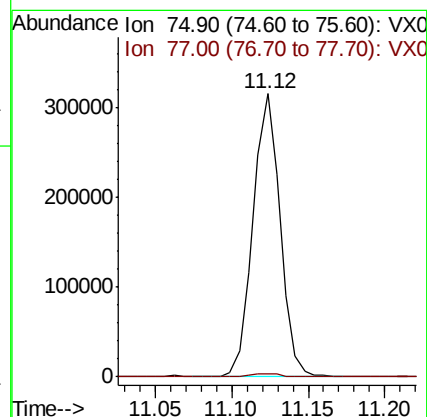
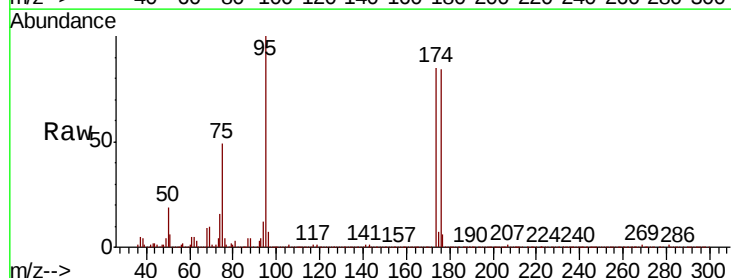
Acq: 21 Apr 2020 18:32

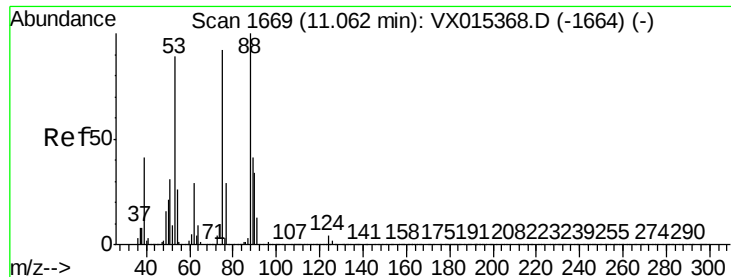
Tgt Ion: 75 Resp: 387606

Ion Ratio Lower Upper

75 100

77 1.3 21.2 63.6#





#81

trans-1,4-Dichloro-2-butene

Concen: 53.249 ug/l

RT: 11.12 min Scan# 1679

Delta R.T. 0.06 min

Lab File: VX015803.D

Acq: 21 Apr 2020 18:32

Instrument :

MSVOA_X

ClientSampleId :

TP-8

Tot Ion: 75 Resp: 387606

Ion Ratio Lower Upper

75 100

53 0.2 80.1 120.1#

89 0.2 36.1 54.1#

