

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX042120\
 Data File : VX015801.D
 Acq On : 21 Apr 2020 17:47
 Operator : JC/SP
 Sample : L2327-24
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TP-6-S

Quant Time: Apr 22 04:20:42 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	1040050	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	1610433	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	1538676	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	863652	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	587762	40.07	ug/l	0.00
Spiked Amount			Recovery	=	80.14%	
35) Dibromofluoromethane	5.47	113	476298	46.27	ug/l	0.00
Spiked Amount			Recovery	=	92.54%	
50) Toluene-d8	8.70	98	1896936	50.05	ug/l	0.00
Spiked Amount			Recovery	=	100.10%	
62) 4-Bromofluorobenzene	11.12	95	806534	52.36	ug/l	0.00
Spiked Amount			Recovery	=	104.72%	

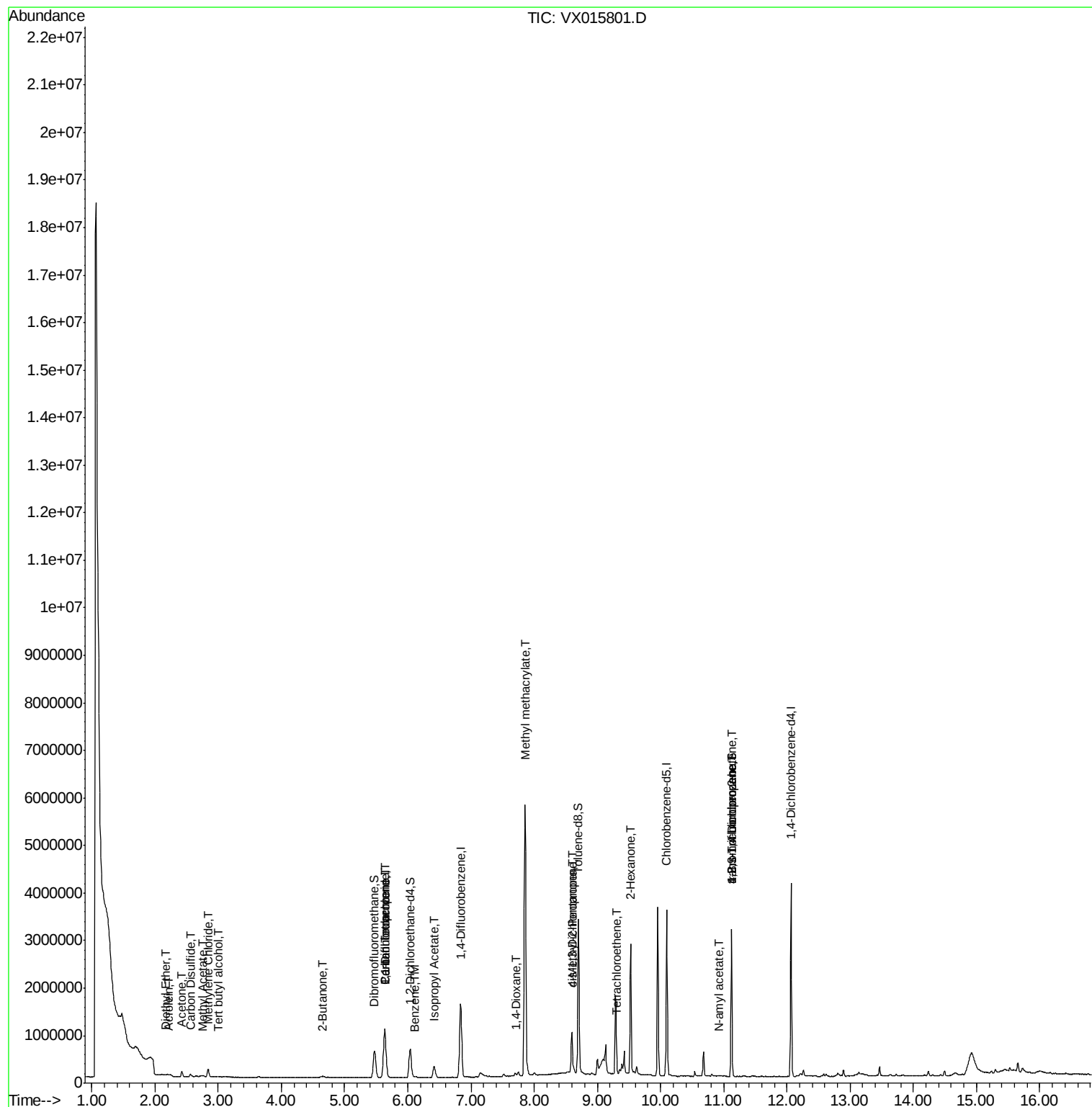
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.64	94	405	Below Cal	#	40
8) Diethyl Ether	2.17	74	1641	0.271	ug/l	88
11) Tert butyl alcohol	3.00	59	4044	1.152	ug/l #	53
13) Acrolein	2.22	56	465	0.232	ug/l #	14
16) Acetone	2.42	43	148223	23.520	ug/l	93
17) Carbon Disulfide	2.56	76	83713	2.795	ug/l	98
18) Methyl Acetate	2.76	43	16483	1.025	ug/l	98
20) Methylene Chloride	2.84	84	72693	6.175	ug/l #	92
25) 2-Butanone	4.65	43	31169	3.075	ug/l #	89
36) 1,1-Dichloropropene	5.63	75	70844	4.774	ug/l #	55
38) Carbon Tetrachloride	5.64	117	93821	5.838	ug/l #	15
40) Benzene	6.11	78	11439	0.263	ug/l #	75
43) Isopropyl Acetate	6.42	43	353756	10.846	ug/l	99
48) Methyl methacrylate	7.86	41	489645	30.056	ug/l #	48
49) 1,4-Dioxane	7.72	88	4967	16.344	ug/l #	62
51) 4-Methyl-2-Pentanone	8.60	43	402400	21.771	ug/l #	46
54) cis-1,3-Dichloropropene	8.60	75	139733	7.037	ug/l #	50
59) 2-Hexanone	9.53	43	327512	23.470	ug/l #	52
64) Tetrachloroethene	9.31	164	3366	0.290	ug/l #	64
74) N-amyl acetate	10.93	43	17478	0.555	ug/l #	47
76) 1,2,3-Trichloropropane	11.12	75	391455	22.041	ug/l #	35
81) trans-1,4-Dichloro-2-buten	11.12	75	391455	52.886	ug/l #	10

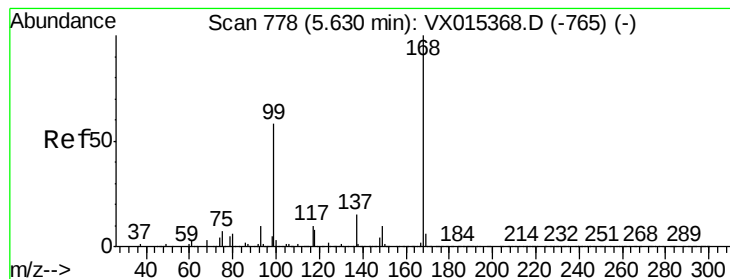
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX042120\
Data File : VX015801.D
Acq On : 21 Apr 2020 17:47
Operator : JC/SP
Sample : L2327-24
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
TP-6-S

Quant Time: Apr 22 04:20:42 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: VX015801.D

Acq: 21 Apr 2020 17:47

Instrument :

MSVOA_X

ClientSampleId :

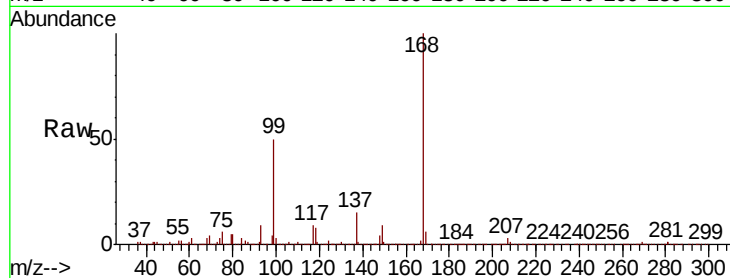
TP-6-S

Tot Ion:168 Resp: 1040050

Ion Ratio Lower Upper

168 100

99 49.7 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

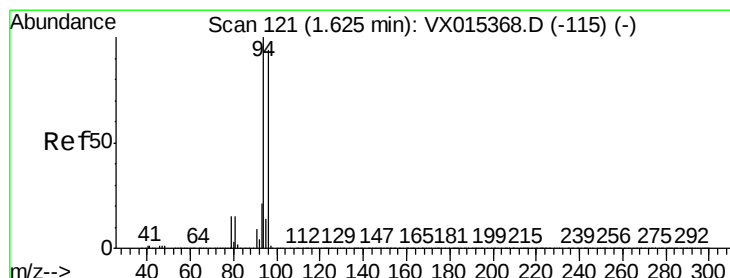
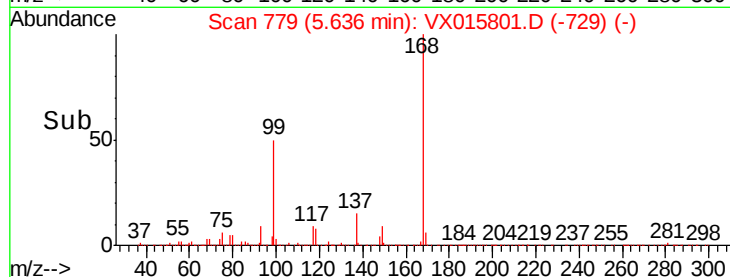
200000

100000

0

Time-->

5.50 5.60 5.70 5.80



#5

Bromomethane

Concen: Below Cal

RT: 1.64 min Scan# 123

Delta R.T. 0.01 min

Lab File: VX015801.D

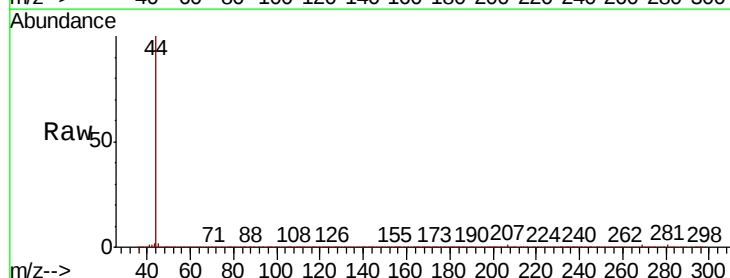
Acq: 21 Apr 2020 17:47

Tgt Ion: 94 Resp: 405

Ion Ratio Lower Upper

94 100

96 35.7 74.8 112.2#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

3000

2500

2000

1500

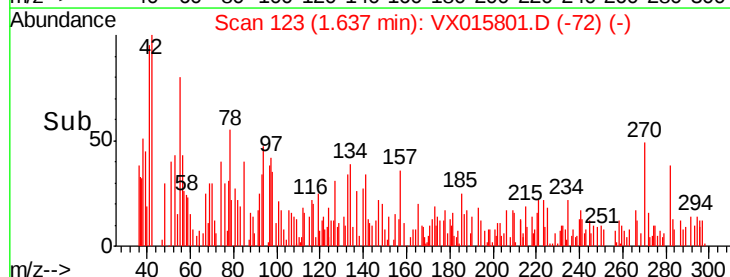
1000

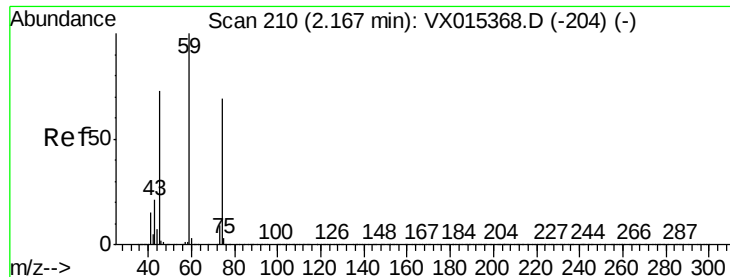
500

0

Time-->

1.62 1.63 1.64 1.65





#8

Diethyl Ether

Concen: 0.271 ug/l

RT: 2.17 min Scan# 211

Delta R.T. 0.01 min

Lab File: VX015801.D

Acq: 21 Apr 2020 17:47

Instrument :

MSVOA_X

ClientSampleId :

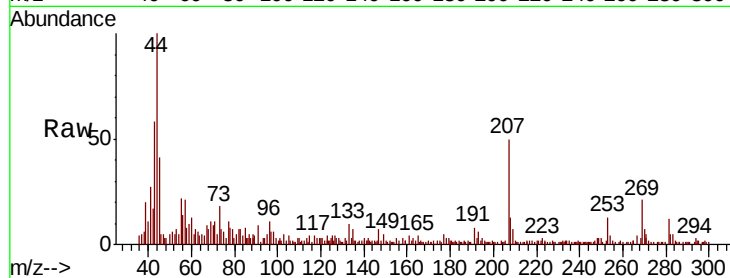
TP-6-S

Tot Ion: 74 Resp: 1641

Ion Ratio Lower Upper

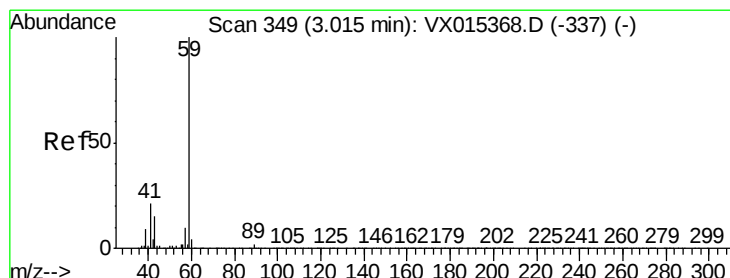
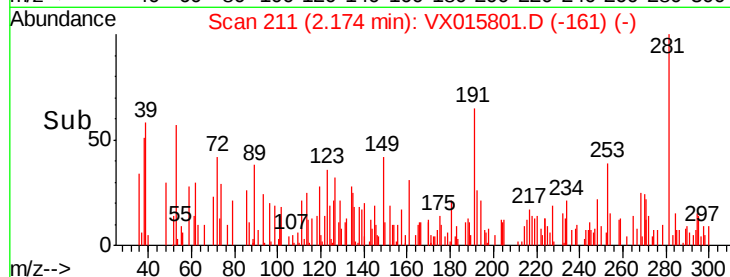
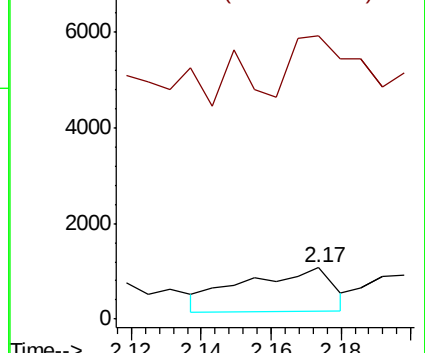
74 100

45 95.5 53.8 161.4



Abundance Ion 74.00 (73.70 to 74.70): VX0

Ion 45.00 (44.70 to 45.70): VX0



#11

Tert butyl alcohol

Concen: 1.152 ug/l

RT: 3.00 min Scan# 347

Delta R.T. -0.01 min

Lab File: VX015801.D

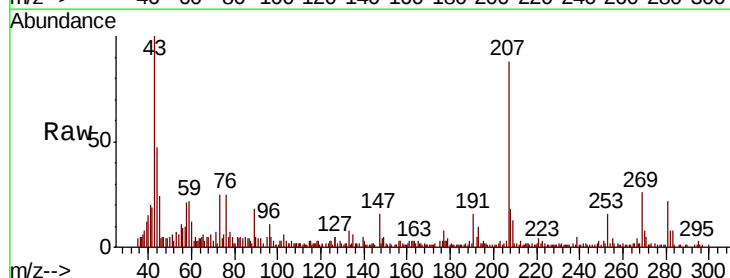
Acq: 21 Apr 2020 17:47

Tgt Ion: 59 Resp: 4044

Ion Ratio Lower Upper

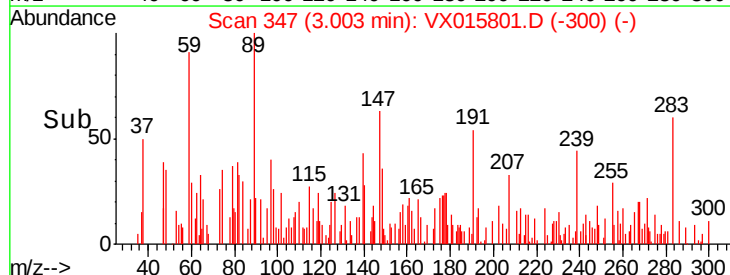
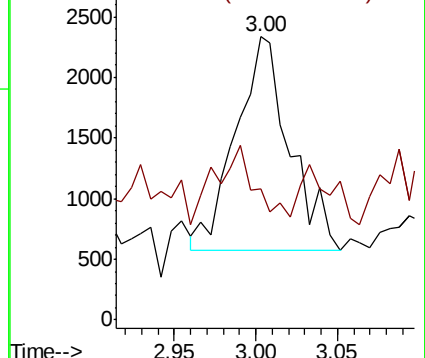
59 100

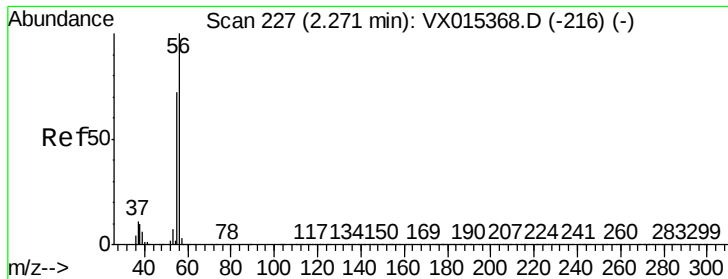
57 27.7 8.1 12.1#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0

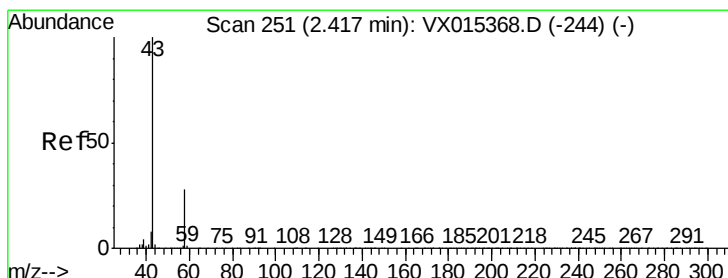
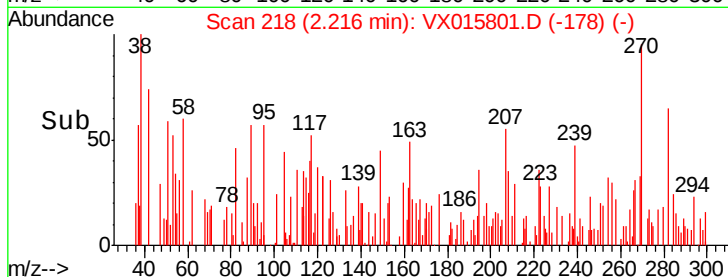
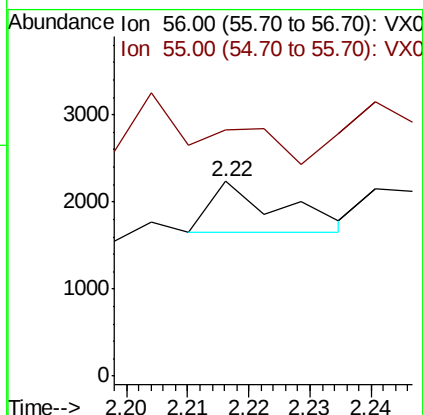
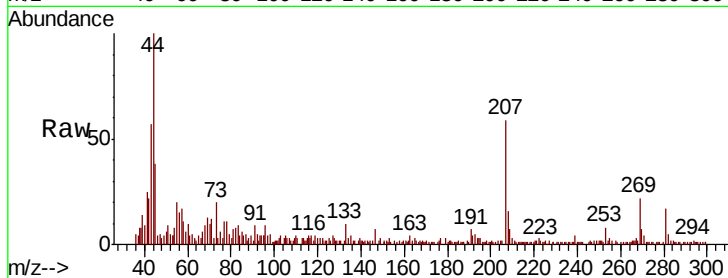




#13
Acrolein
Concen: 0.232 ug/l
RT: 2.22 min Scan# 218
Delta R.T. -0.05 min
Lab File: VX015801.D
Acq: 21 Apr 2020 17:47

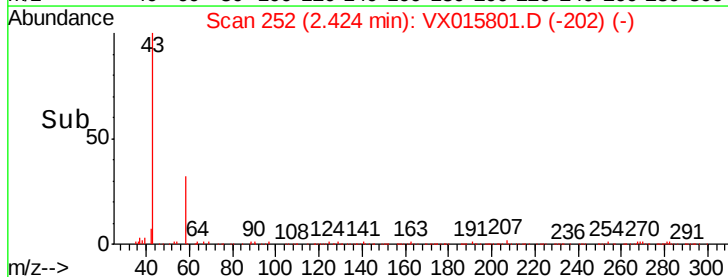
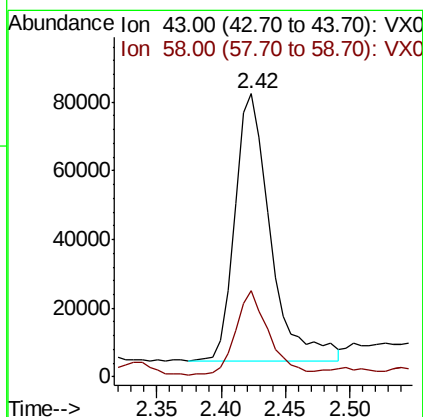
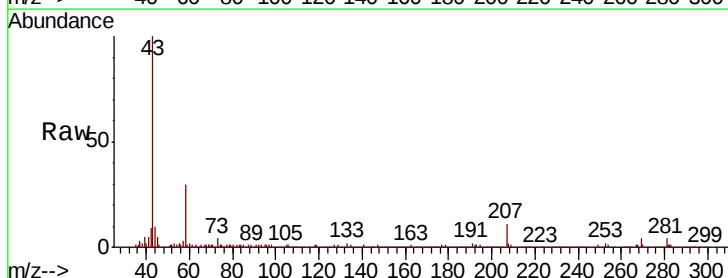
Instrument :
MSVOA_X
ClientSampleID :
TP-6-S

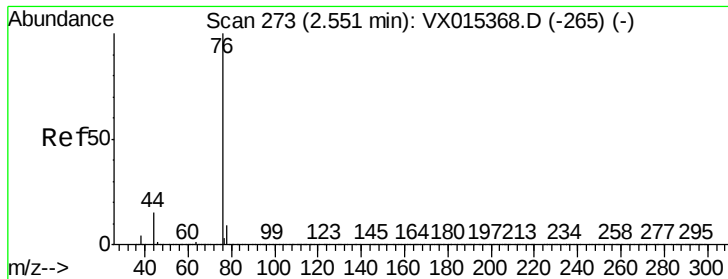
Tot Ion: 56 Resp: 465
Ion Ratio Lower Upper
56 100
55 0.0 57.0 85.4#



#16
Acetone
Concen: 23.520 ug/l
RT: 2.42 min Scan# 252
Delta R.T. 0.01 min
Lab File: VX015801.D
Acq: 21 Apr 2020 17:47

Tgt Ion: 43 Resp: 148223
Ion Ratio Lower Upper
43 100
58 31.5 22.1 33.1

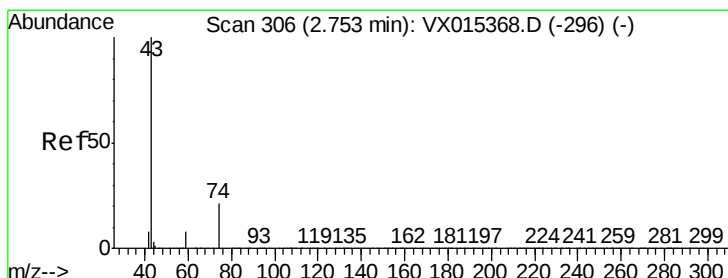
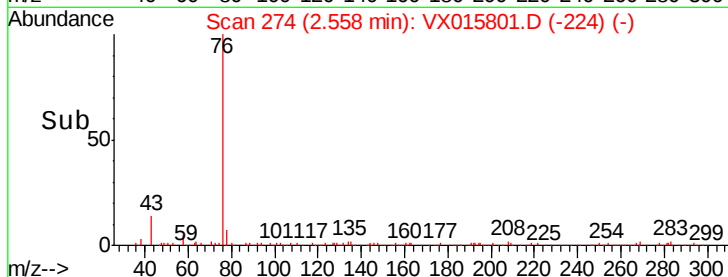
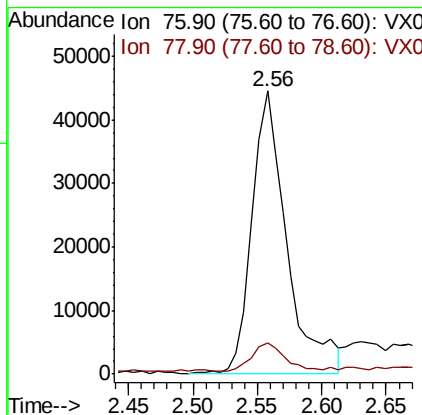
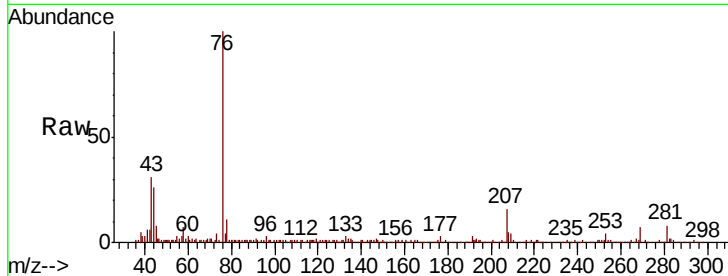




#17
Carbon Disulfide
Concen: 2.795 ug/l
RT: 2.56 min Scan# 274
Delta R.T. 0.01 min
Lab File: VX015801.D
Acq: 21 Apr 2020 17:47

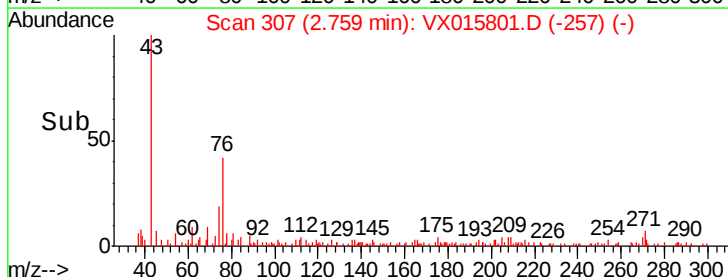
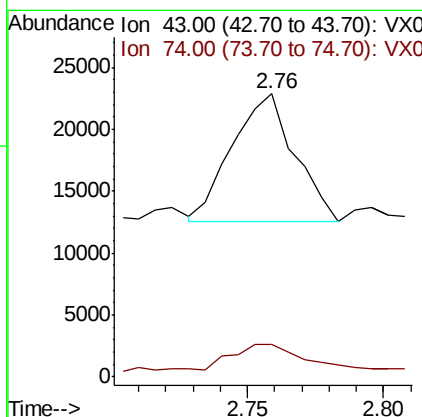
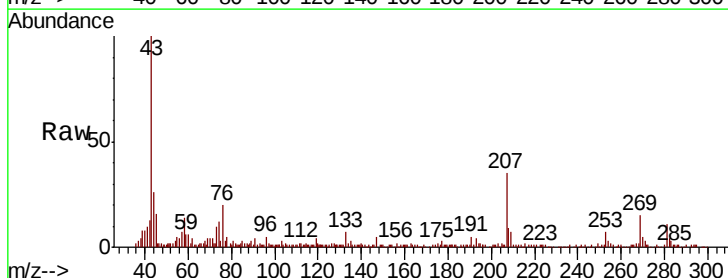
Instrument :
MSVOA_X
ClientSampleId :
TP-6-S

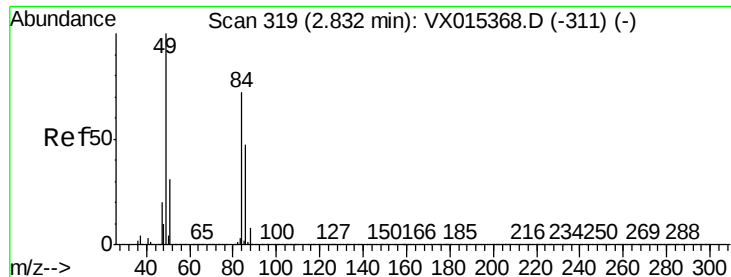
Tot Ion: 76 Resp: 83713
Ion Ratio Lower Upper
76 100
78 9.6 7.1 10.7



#18
Methyl Acetate
Concen: 1.025 ug/l
RT: 2.76 min Scan# 307
Delta R.T. 0.01 min
Lab File: VX015801.D
Acq: 21 Apr 2020 17:47

Tgt Ion: 43 Resp: 16483
Ion Ratio Lower Upper
43 100
74 21.7 16.5 24.7

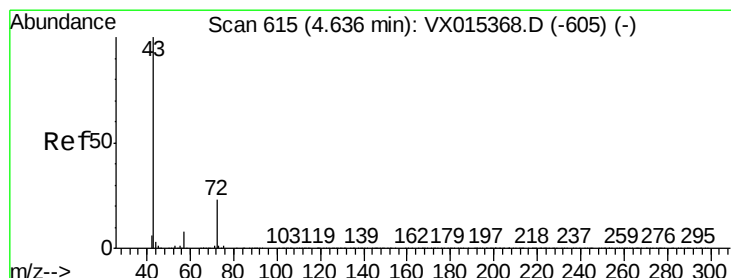
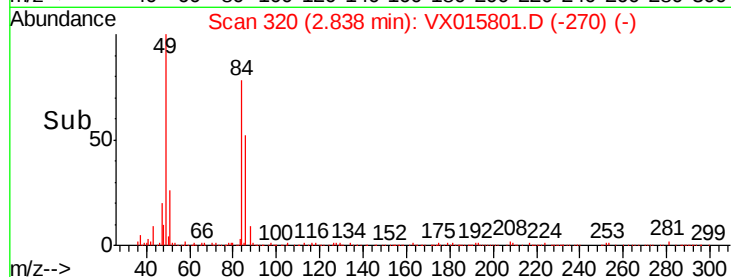
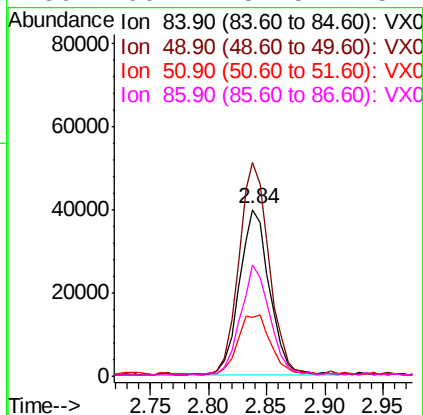
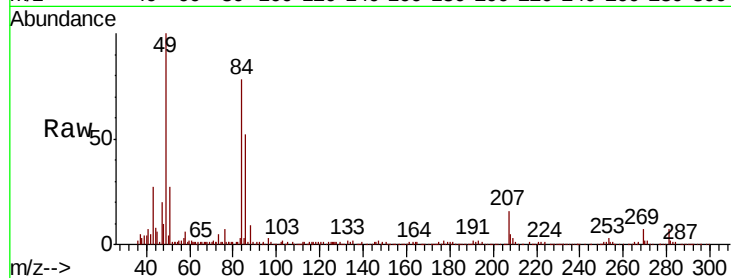




#20
Methylene Chloride
Concen: 6.175 ug/l
RT: 2.84 min Scan# 320
Delta R.T. 0.01 min
Lab File: VX015801.D
Acq: 21 Apr 2020 17:47

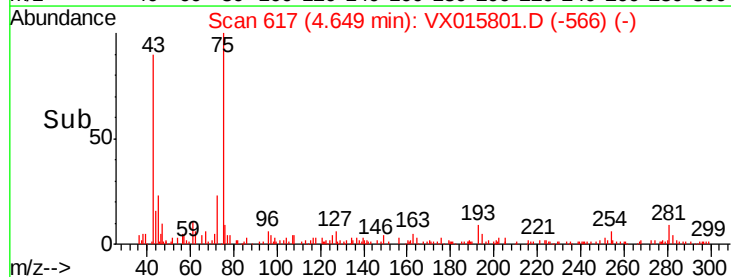
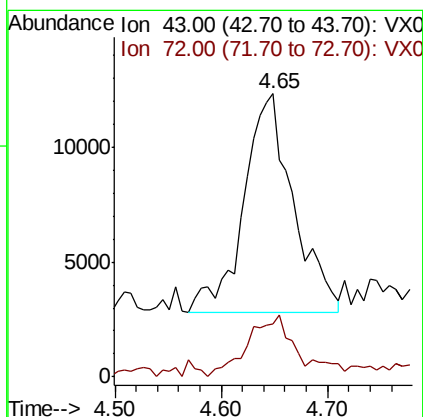
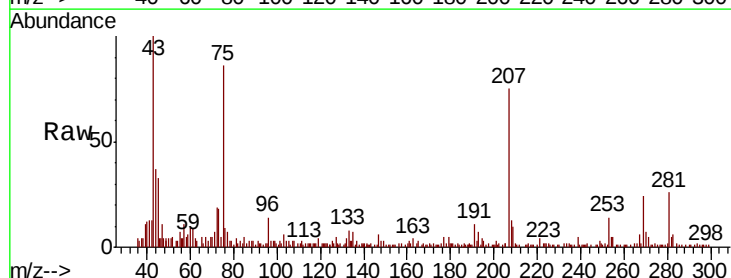
Instrument :
MSVOA_X
ClientSampleId :
TP-6-S

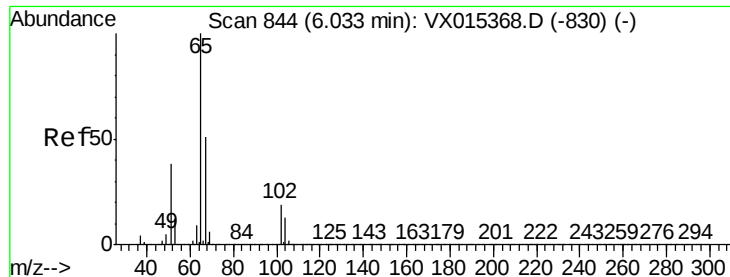
Tot Ion: 84 Resp: 72693
Ion Ratio Lower Upper
84 100
49 127.8 111.3 166.9
51 33.8 34.0 51.0#
86 66.4 52.5 78.7



#25
2-Butanone
Concen: 3.075 ug/l
RT: 4.65 min Scan# 617
Delta R.T. 0.01 min
Lab File: VX015801.D
Acq: 21 Apr 2020 17:47

Tgt Ion: 43 Resp: 31169
Ion Ratio Lower Upper
43 100
72 18.1 19.0 28.4#





#33

1,2-Dichloroethane-d4

Concen: 40.069 ug/l

RT: 6.04 min Scan# 845

Delta R.T. 0.01 min

Lab File: VX015801.D

Acq: 21 Apr 2020 17:47

Instrument :

MSVOA_X

ClientSampled :

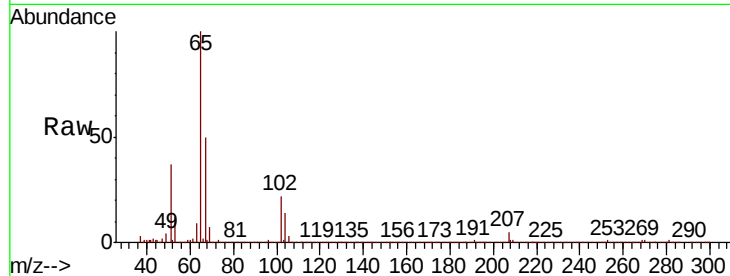
TP-6-S

Tot Ion: 65 Resp: 587762

Ion Ratio Lower Upper

65 100

67 51.4 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

250000

200000

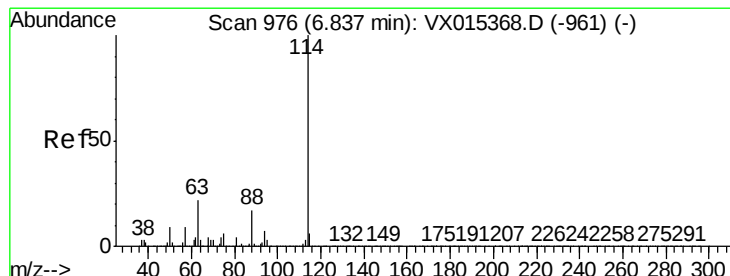
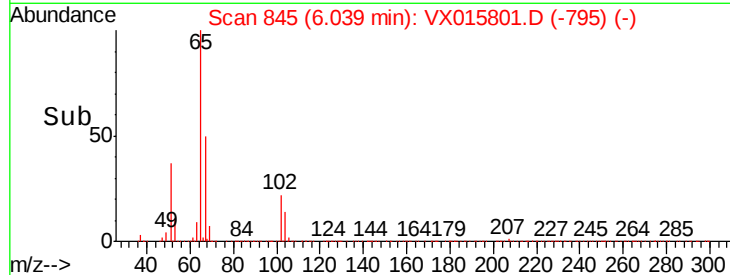
150000

100000

50000

0

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.84 min Scan# 976

Delta R.T. 0.00 min

Lab File: VX015801.D

Acq: 21 Apr 2020 17:47

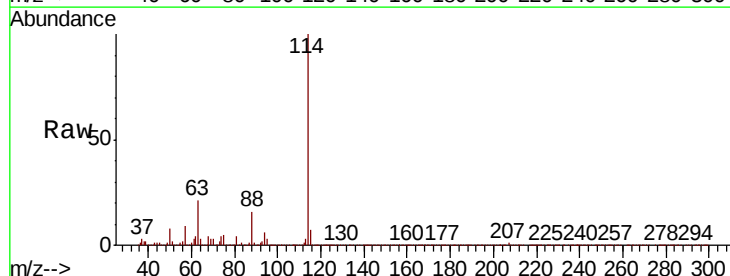
Tgt Ion: 114 Resp: 1610433

Ion Ratio Lower Upper

114 100

63 21.2 0.0 44.2

88 16.3 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

6.84

800000

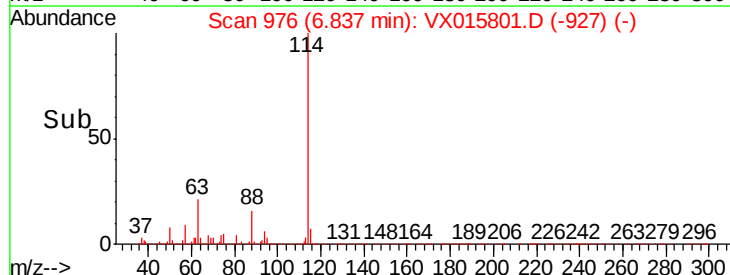
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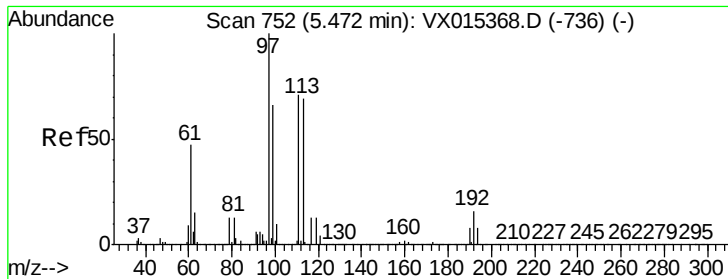
400000

200000

0

Time-->

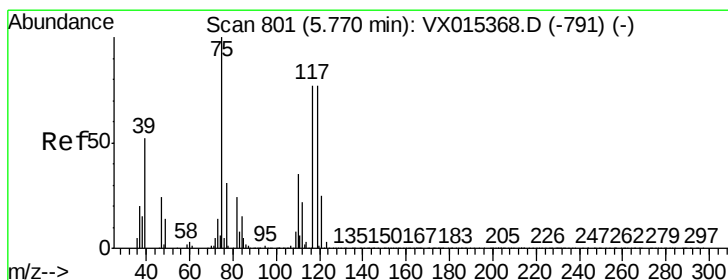
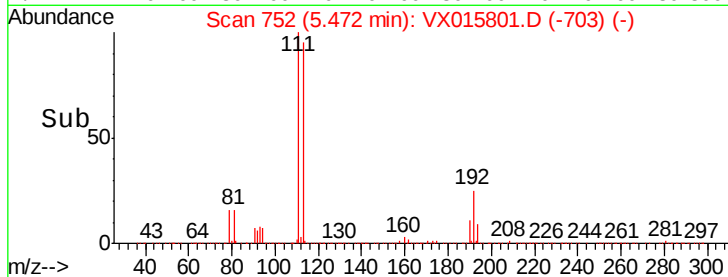
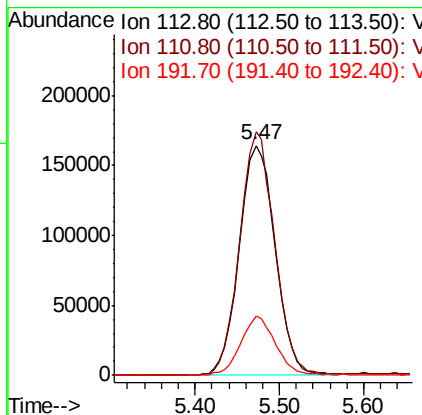
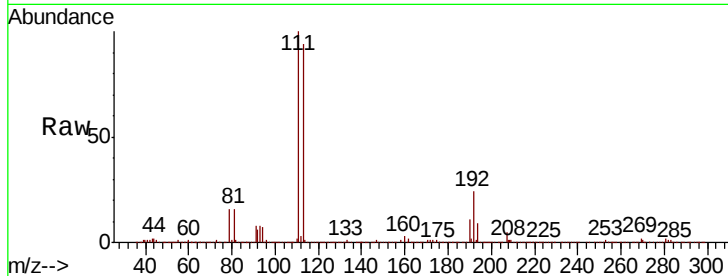




#35
 Dibromofluoromethane
 Concen: 46.268 ug/l
 RT: 5.47 min Scan# 752
 Delta R.T. 0.00 min
 Lab File: VX015801.D
 Acq: 21 Apr 2020 17:47

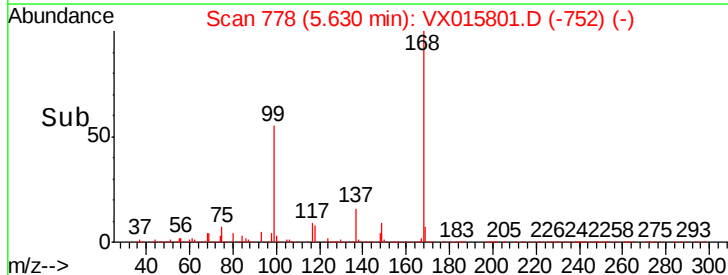
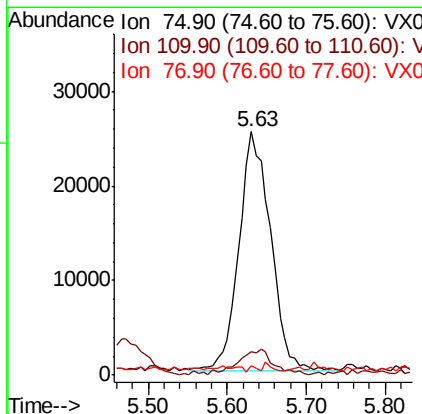
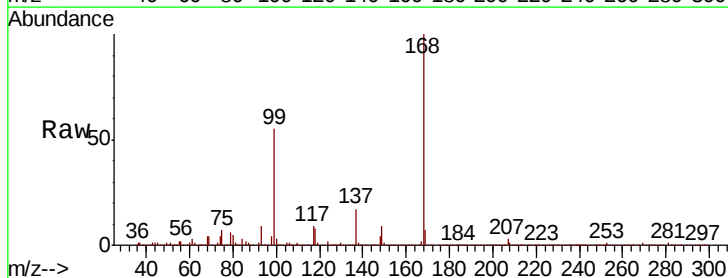
Instrument :
 MSVOA_X
 ClientSampleId :
 TP-6-S

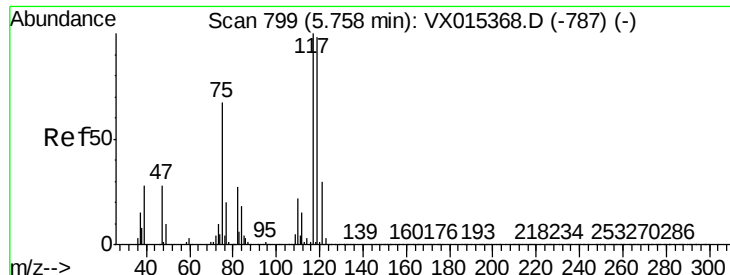
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.3	81.5	122.3
192	25.2	17.8	26.6



#36
 1,1-Dichloropropene
 Concen: 4.774 ug/l
 RT: 5.63 min Scan# 778
 Delta R.T. -0.14 min
 Lab File: VX015801.D
 Acq: 21 Apr 2020 17:47

Tgt Ion	Ratio	Lower	Upper
75	100		
110	12.0	17.1	51.3#
77	1.7	24.6	36.8#





#38

Carbon Tetrachloride

Concen: 5.838 ug/l

RT: 5.64 min Scan# 779

Delta R.T. -0.12 min

Lab File: VX015801.D

Acq: 21 Apr 2020 17:47

Instrument :

MSVOA_X

ClientSampleId :

TP-6-S

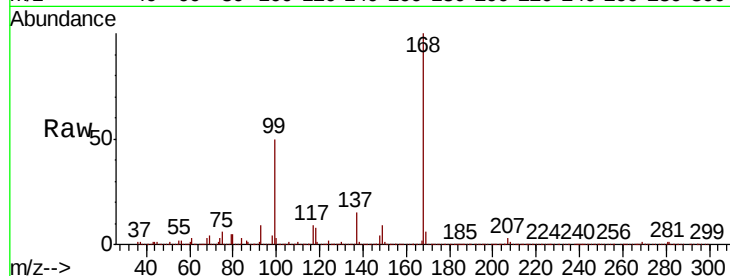
Tot Ion:117 Resp: 93821

Ion Ratio Lower Upper

117 100

119 4.2 78.0 117.0#

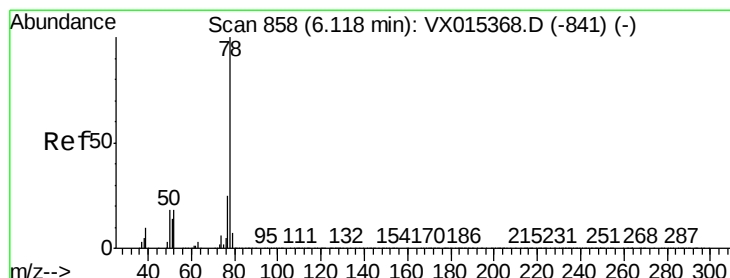
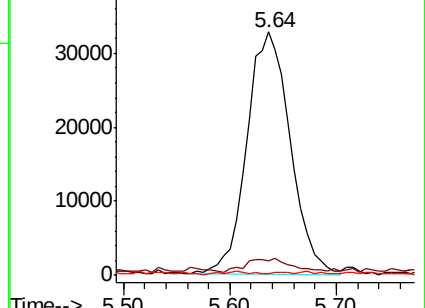
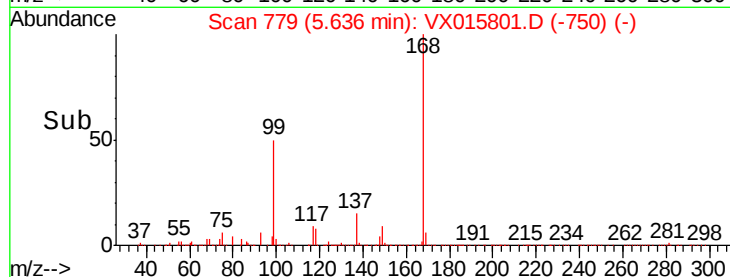
121 0.0 23.8 35.8#



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: 0.263 ug/l

RT: 6.11 min Scan# 857

Delta R.T. -0.01 min

Lab File: VX015801.D

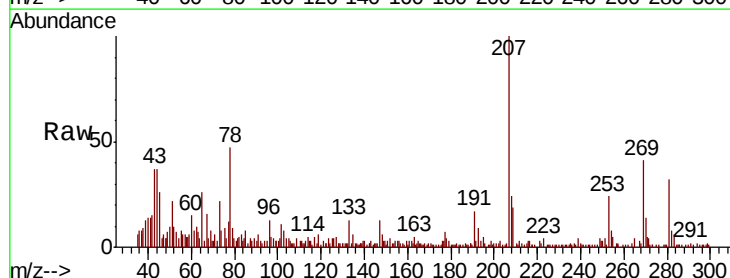
Acq: 21 Apr 2020 17:47

Tgt Ion: 78 Resp: 11439

Ion Ratio Lower Upper

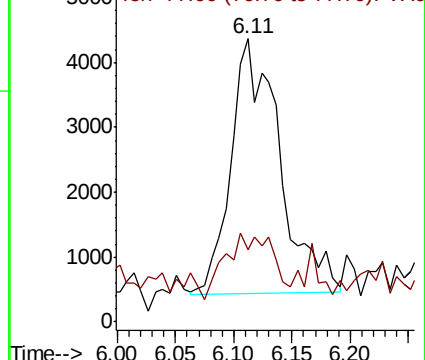
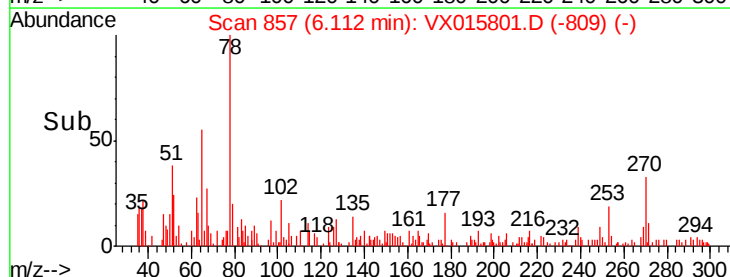
78 100

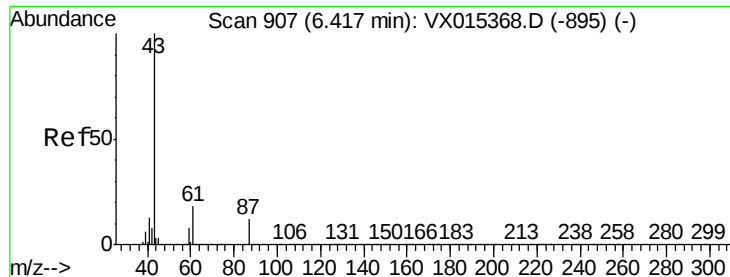
77 12.4 19.8 29.8#



Abundance Ion 78.00 (77.70 to 78.70): VX0

Ion 77.00 (76.70 to 77.70): VX0



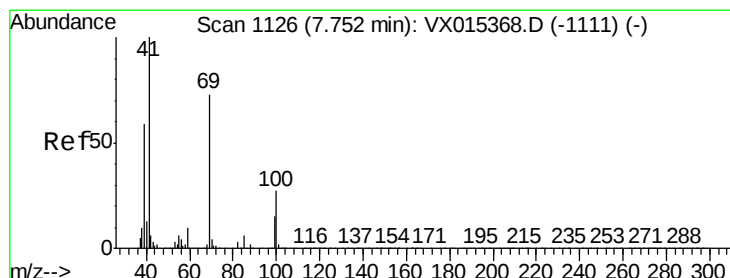
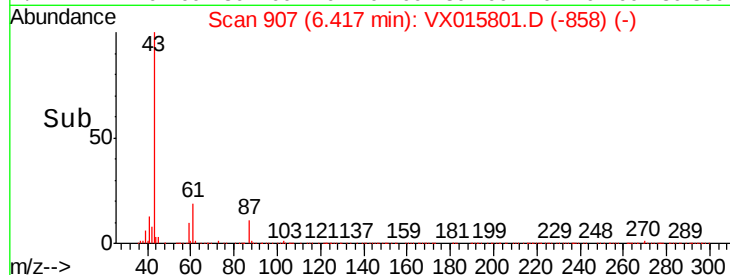
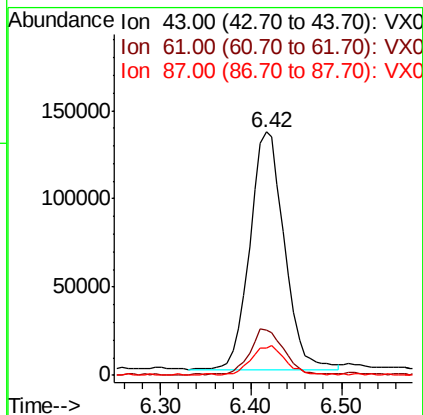
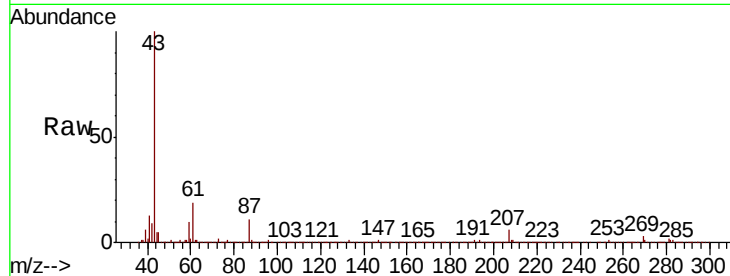


#43

Isopropyl Acetate
 Concen: 10.846 ug/l
 RT: 6.42 min Scan# 907
 Delta R.T. 0.00 min
 Lab File: VX015801.D
 Acq: 21 Apr 2020 17:47

Instrument :
 MSVOA_X
 ClientSampled :
 TP-6-S

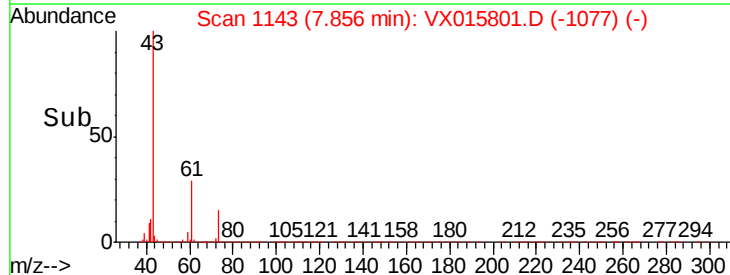
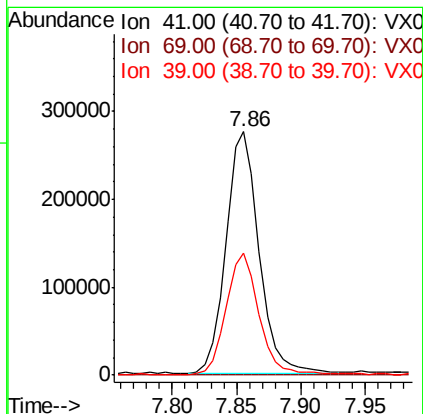
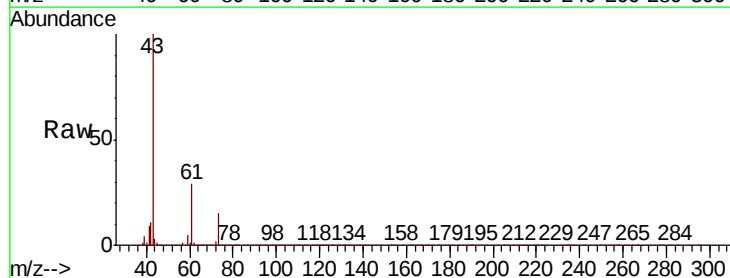
Tot Ion	Ratio	Lower	Upper
43	100		
61	18.6	14.8	22.2
87	12.4	9.4	14.0

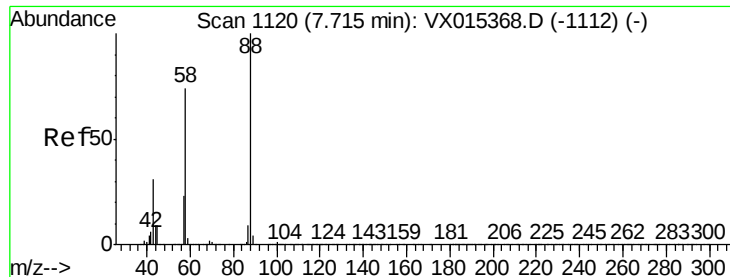


#48

Methyl methacrylate
 Concen: 30.056 ug/l
 RT: 7.86 min Scan# 1143
 Delta R.T. 0.10 min
 Lab File: VX015801.D
 Acq: 21 Apr 2020 17:47

Tgt Ion	Ratio	Lower	Upper
41	100		
69	0.3	56.7	85.1#
39	49.8	46.5	69.7





#49

1,4-Dioxane

Concen: 16.344 ug/l

RT: 7.72 min Scan# 1120

Delta R.T. 0.00 min

Lab File: VX015801.D

Acq: 21 Apr 2020 17:47

Instrument :

MSVOA_X

ClientSampleId :

TP-6-S

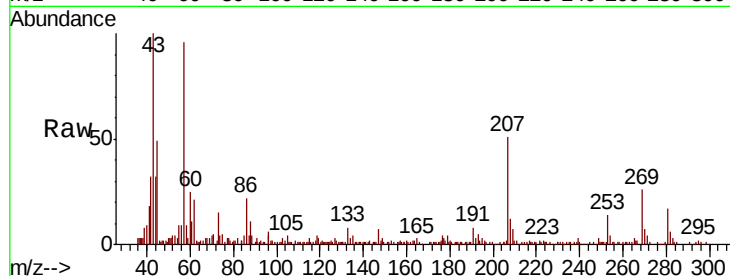
Tot Ion: 88 Resp: 4967

Ion Ratio Lower Upper

88 100

43 0.0 30.1 45.1#

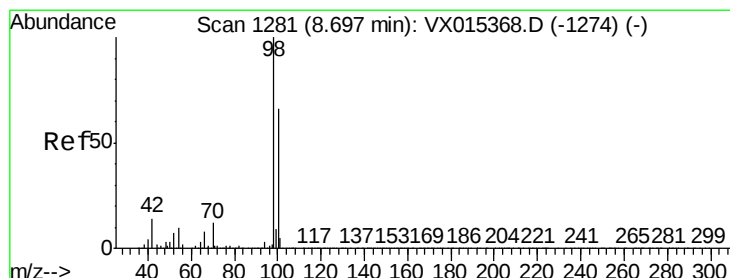
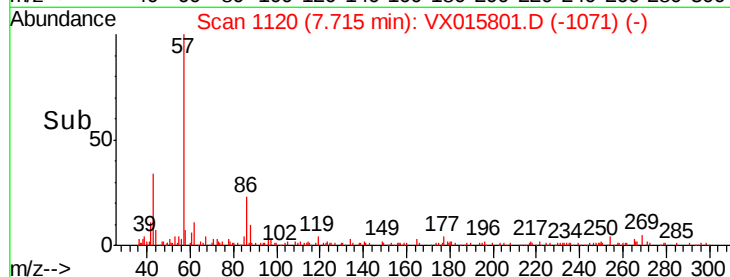
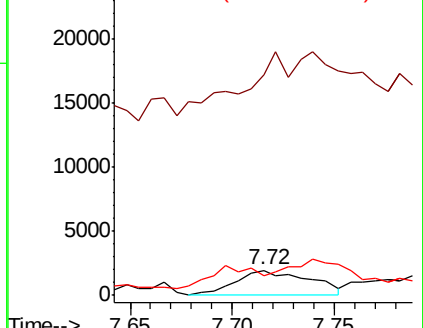
58 54.1 60.6 90.8#



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: 50.050 ug/l

RT: 8.70 min Scan# 1281

Delta R.T. 0.00 min

Lab File: VX015801.D

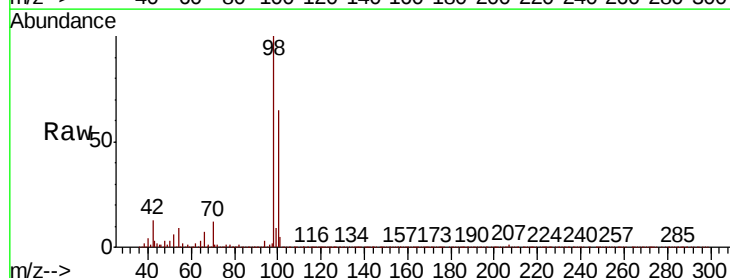
Acq: 21 Apr 2020 17:47

Tgt Ion: 98 Resp: 1896936

Ion Ratio Lower Upper

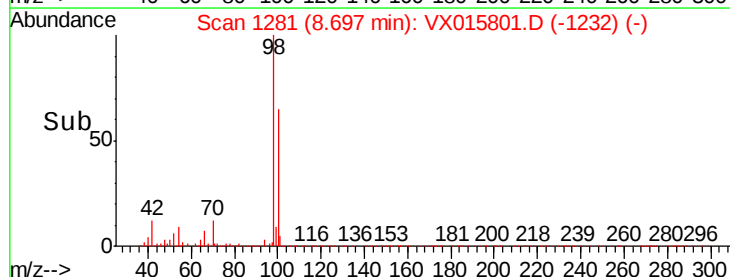
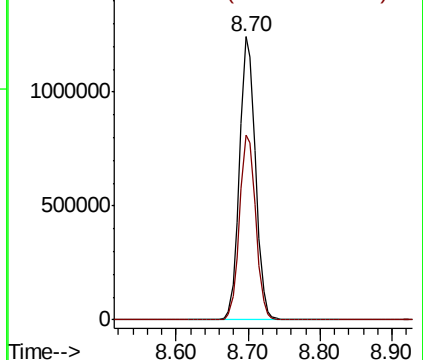
98 100

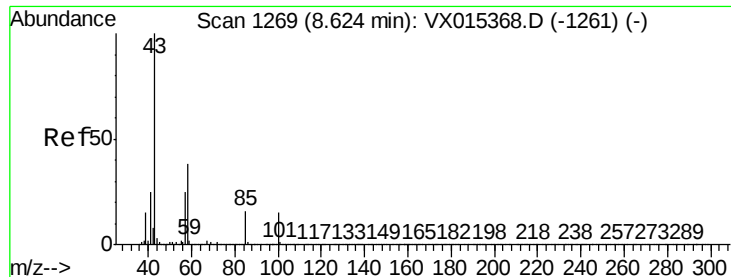
100 66.3 53.5 80.3



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: 21.771 ug/l

RT: 8.60 min Scan# 1265

Delta R.T. -0.02 min

Lab File: VX015801.D

Acq: 21 Apr 2020 17:47

Instrument :

MSVOA_X

ClientSampled :

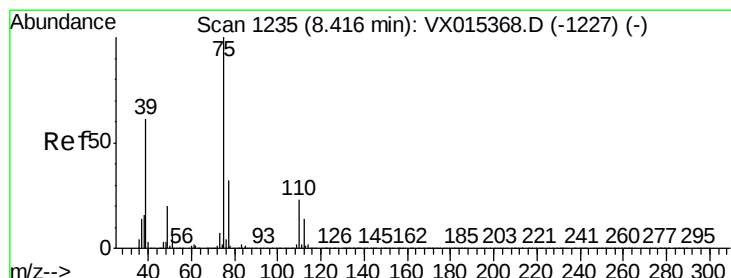
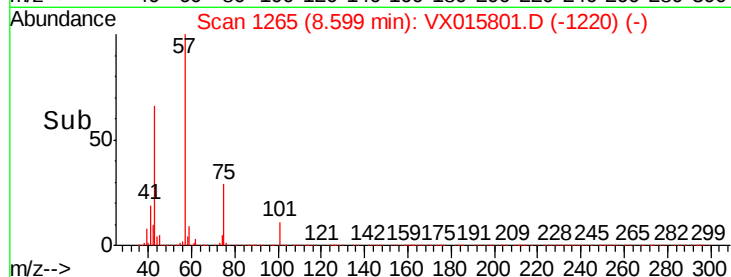
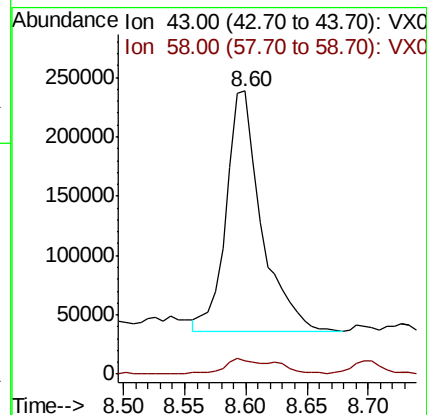
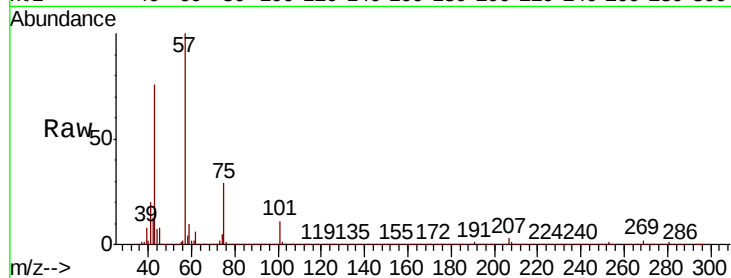
TP-6-S

Tot Ion: 43 Resp: 402400

Ion Ratio Lower Upper

43 100

58 5.1 29.7 44.5#



#54

cis-1,3-Dichloropropene

Concen: 7.037 ug/l

RT: 8.60 min Scan# 1265

Delta R.T. 0.18 min

Lab File: VX015801.D

Acq: 21 Apr 2020 17:47

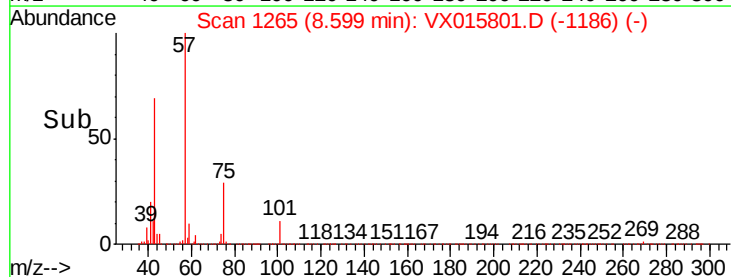
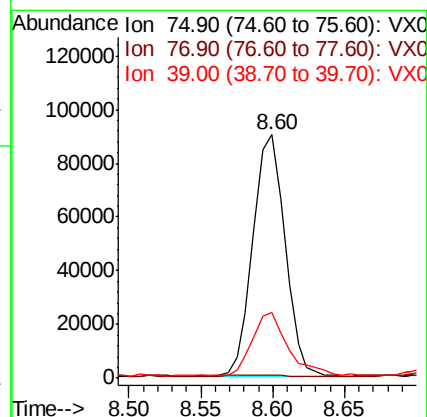
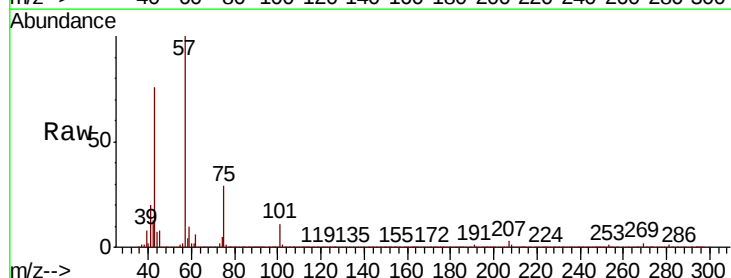
Tgt Ion: 75 Resp: 139733

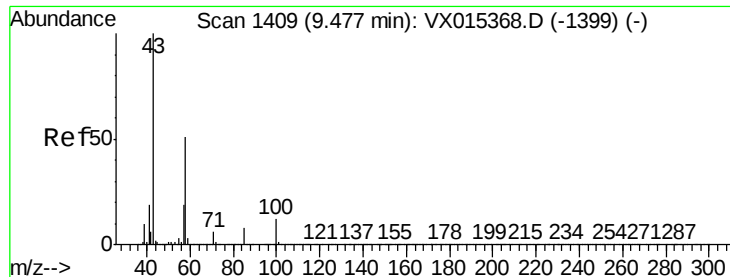
Ion Ratio Lower Upper

75 100

77 0.4 25.8 38.6#

39 26.1 49.0 73.4#

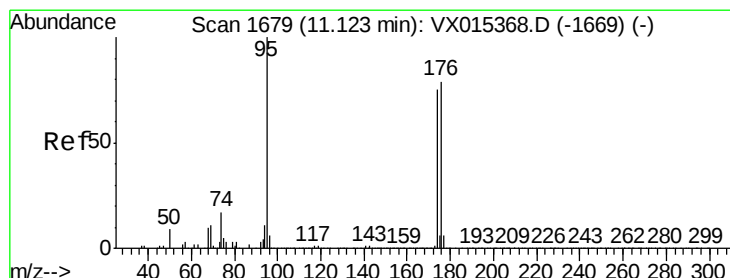
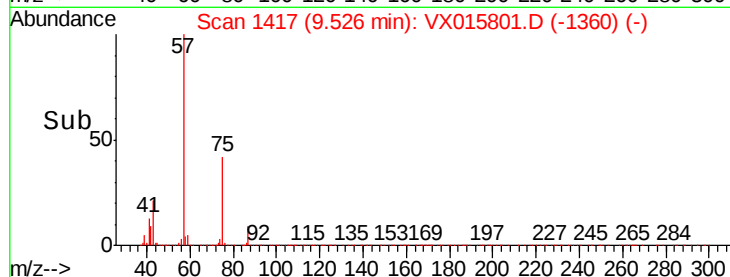
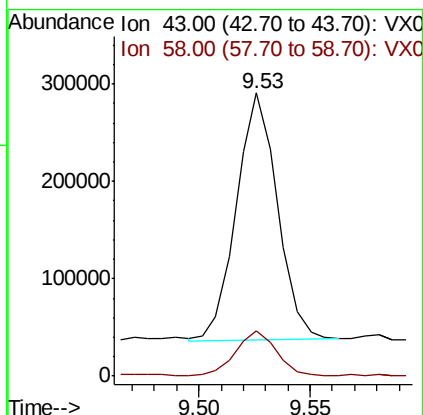
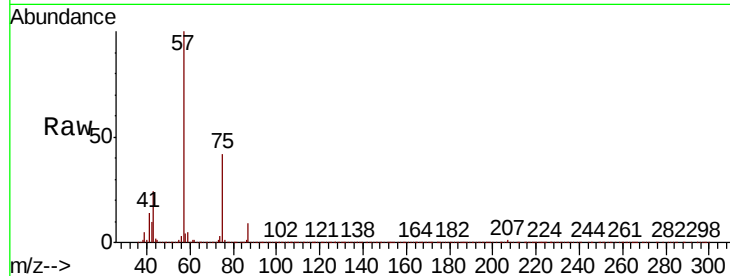




#59
2-Hexanone
Concen: 23.470 ug/l
RT: 9.53 min Scan# 1417
Delta R.T. 0.05 min
Lab File: VX015801.D
Acq: 21 Apr 2020 17:47

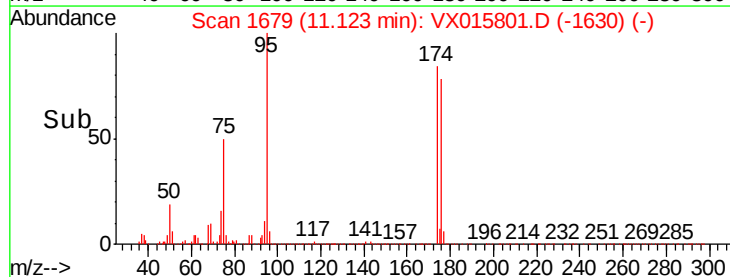
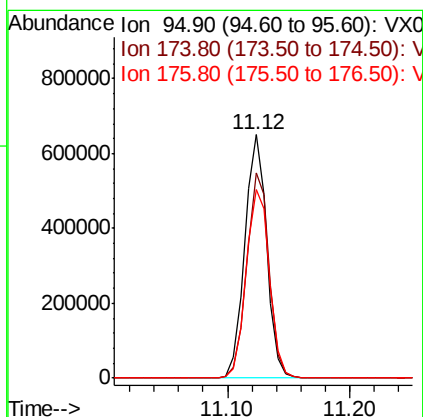
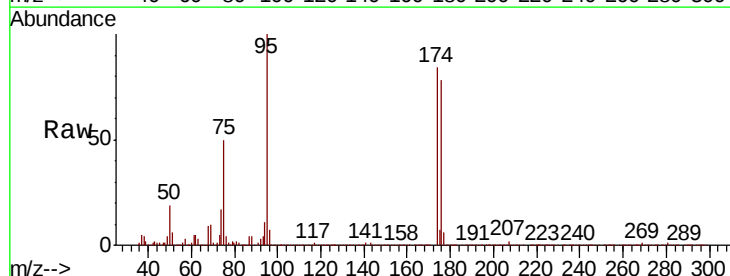
Instrument :
MSVOA_X
ClientSampleId :
TP-6-S

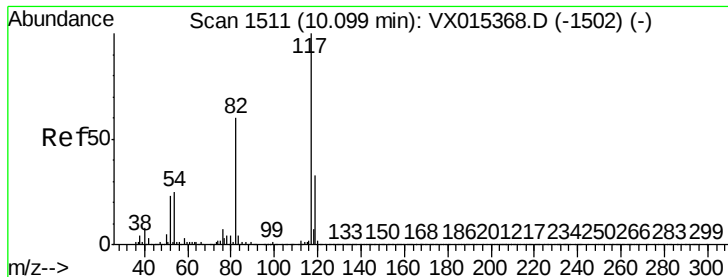
Tot Ion: 43 Resp: 327512
Ion Ratio Lower Upper
43 100
58 17.3 25.6 76.6#



#62
4-Bromofluorobenzene
Concen: 52.362 ug/l
RT: 11.12 min Scan# 1679
Delta R.T. 0.00 min
Lab File: VX015801.D
Acq: 21 Apr 2020 17:47

Tgt Ion: 95 Resp: 806534
Ion Ratio Lower Upper
95 100
174 86.4 0.0 158.6
176 83.0 0.0 159.0

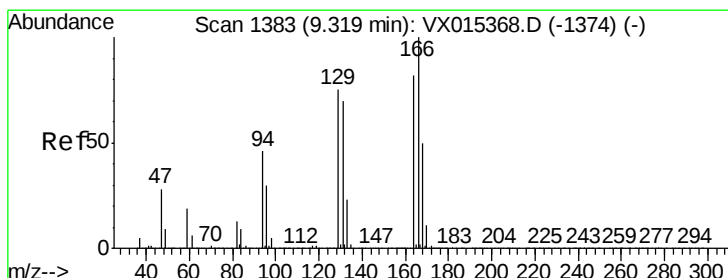
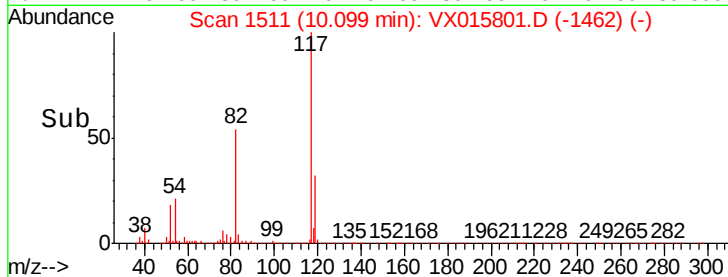
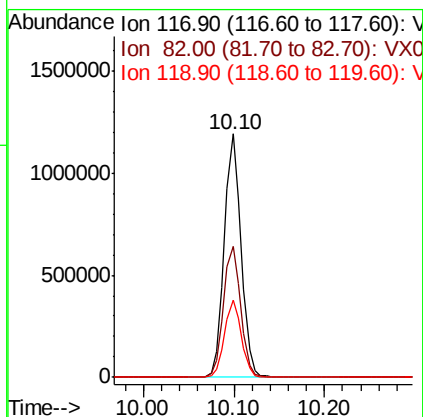
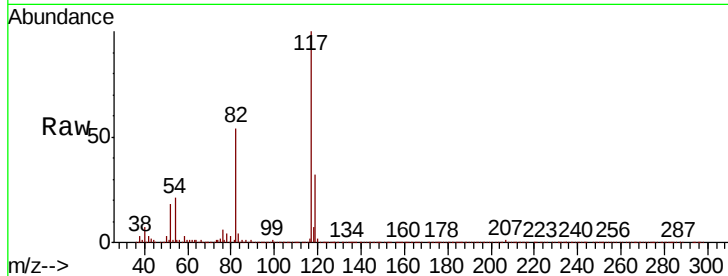




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1511
Delta R.T. 0.00 min
Lab File: VX015801.D
Acq: 21 Apr 2020 17:47

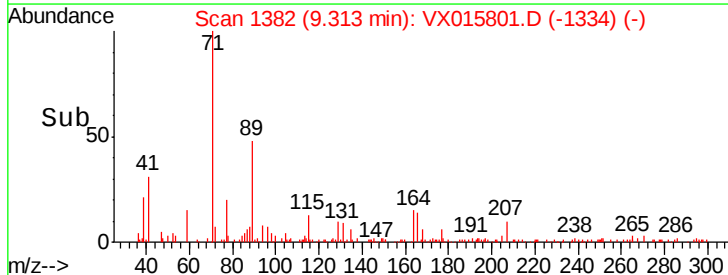
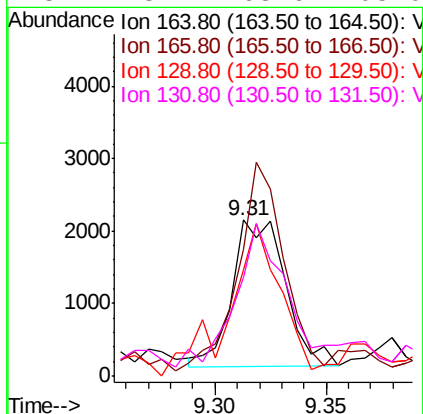
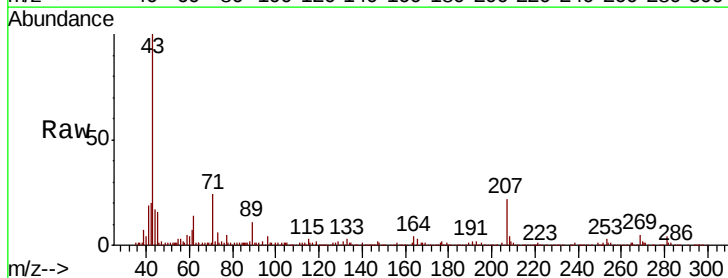
Instrument :
MSVOA_X
ClientSampleId :
TP-6-S

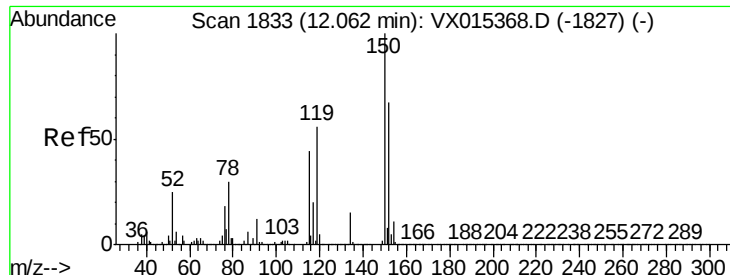
Tot Ion:117 Resp: 1538676
Ion Ratio Lower Upper
117 100
82 54.0 47.8 71.8
119 31.8 26.8 40.2



#64
Tetrachloroethene
Concen: 0.290 ug/l
RT: 9.31 min Scan# 1382
Delta R.T. -0.01 min
Lab File: VX015801.D
Acq: 21 Apr 2020 17:47

Tgt Ion:164 Resp: 3366
Ion Ratio Lower Upper
164 100
166 78.4 97.8 146.6#
129 64.8 73.0 109.4#
131 48.7 68.6 103.0#





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.06 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VX015801.D

Acq: 21 Apr 2020 17:47

Instrument :

MSVOA_X

ClientSampleId :

TP-6-S

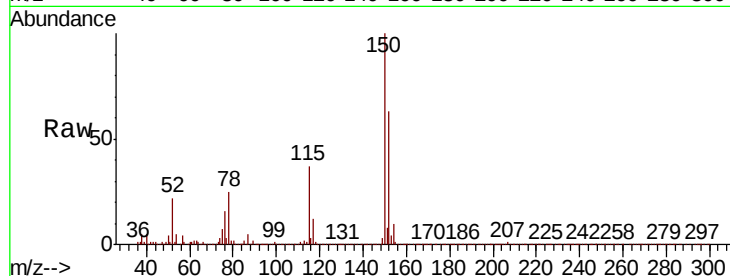
Tot Ion:152 Resp: 863652

Ion Ratio Lower Upper

152 100

115 57.5 39.0 116.9

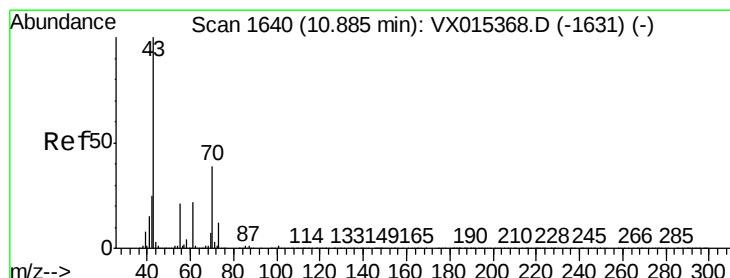
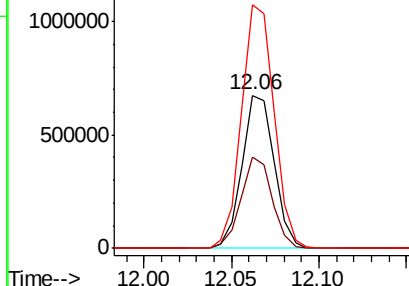
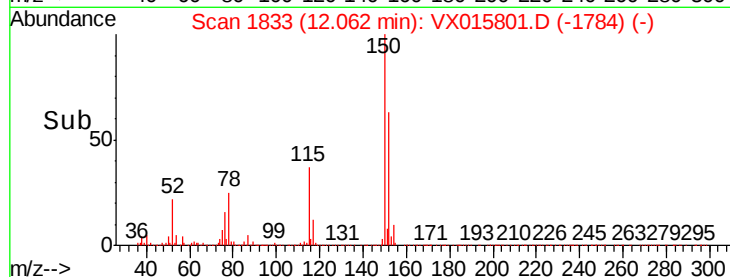
150 161.2 0.0 340.8



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: 0.555 ug/l

RT: 10.93 min Scan# 1647

Delta R.T. 0.04 min

Lab File: VX015801.D

Acq: 21 Apr 2020 17:47

Tgt Ion: 43 Resp: 17478

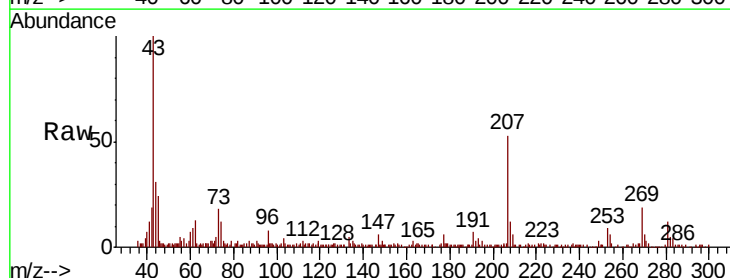
Ion Ratio Lower Upper

43 100

70 0.0 30.2 45.4#

55 1.6 16.8 25.2#

61 0.0 18.2 27.2#

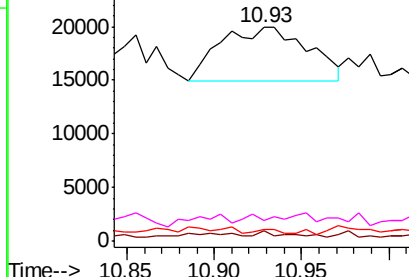
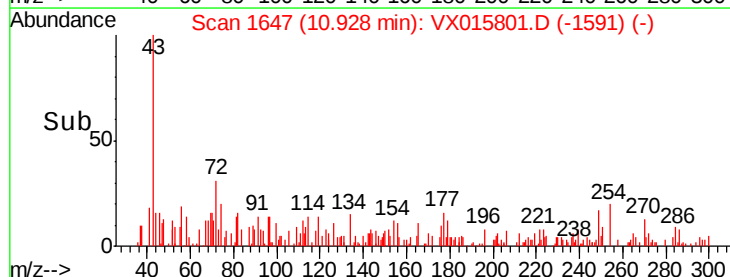


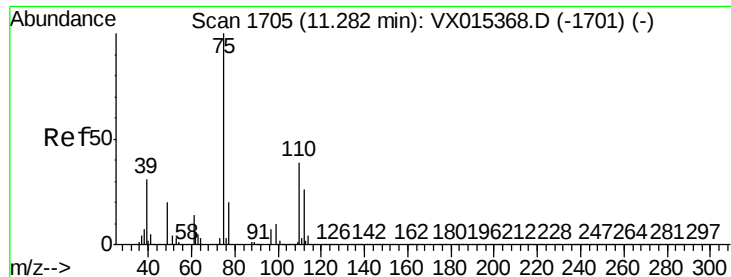
Abundance Ion 43.00 (42.70 to 43.70): VX0

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: 22.041 ug/l

RT: 11.12 min Scan# 1679

Delta R.T. -0.16 min

Lab File: VX015801.D

Acq: 21 Apr 2020 17:47

Instrument :

MSVOA_X

ClientSampleId :

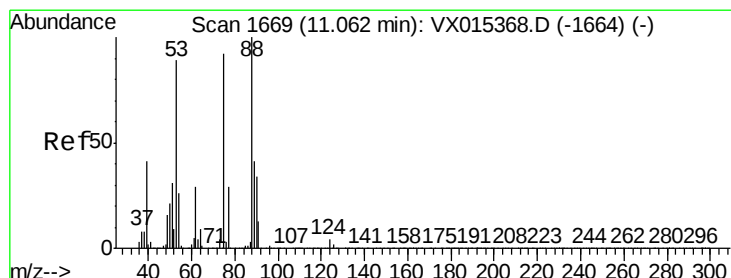
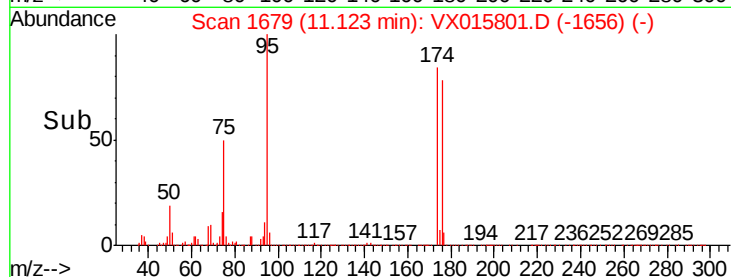
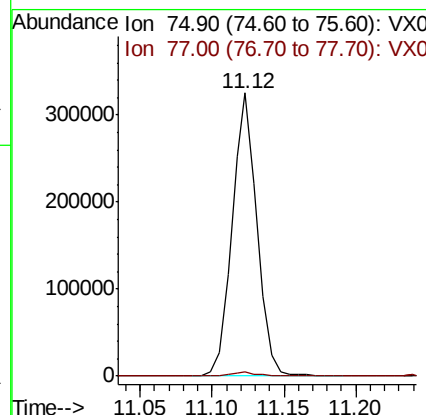
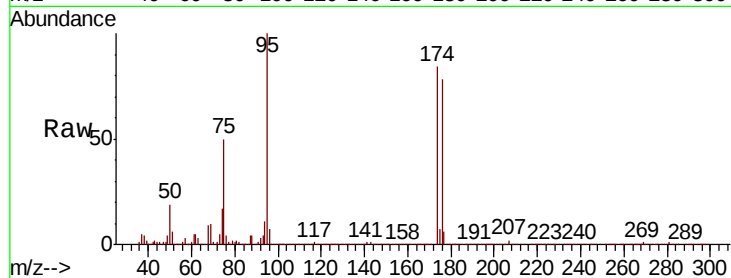
TP-6-S

Tot Ion: 75 Resp: 391455

Ion Ratio Lower Upper

75 100

77 1.4 21.2 63.6#



#81

trans-1,4-Dichloro-2-butene

Concen: 52.886 ug/l

RT: 11.12 min Scan# 1679

Delta R.T. 0.06 min

Lab File: VX015801.D

Acq: 21 Apr 2020 17:47

Tgt Ion: 75 Resp: 391455

Ion Ratio Lower Upper

75 100

53 0.1 80.1 120.1#

89 0.2 36.1 54.1#

