

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX042120\
 Data File : VX015804.D
 Acq On : 21 Apr 2020 18:55
 Operator : JC/SP
 Sample : L2332-06
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TP-4

Quant Time: Apr 22 04:21:23 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	1038848	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	1625079	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	1571166	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	902568	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	591280	40.36	ug/l	0.00
Spiked Amount			Recovery	=	80.72%	
35) Dibromofluoromethane	5.48	113	474644	45.69	ug/l	0.00
Spiked Amount			Recovery	=	91.38%	
50) Toluene-d8	8.70	98	1959246	51.23	ug/l	0.00
Spiked Amount			Recovery	=	102.46%	
62) 4-Bromofluorobenzene	11.12	95	831306	53.48	ug/l	0.00
Spiked Amount			Recovery	=	106.96%	

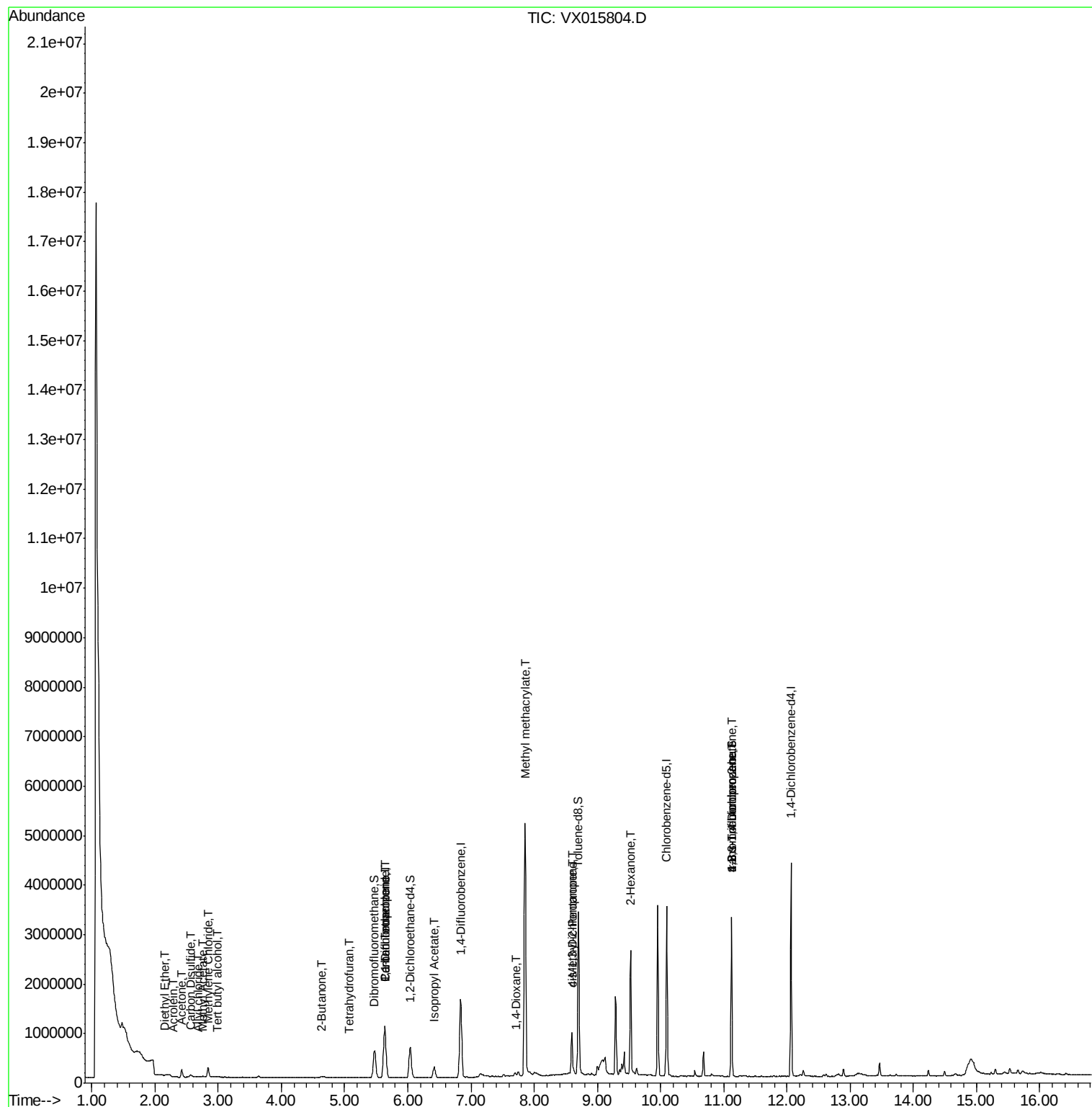
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.62	94	373	Below Cal	#	3
8) Diethyl Ether	2.16	74	1343	0.222	ug/l	83
11) Tert butyl alcohol	2.99	59	4910	1.400	ug/l #	90
13) Acrolein	2.28	56	1554	0.778	ug/l #	51
14) Allyl chloride	2.69	41	5728	0.250	ug/l #	46
16) Acetone	2.42	43	193081	30.673	ug/l	93
17) Carbon Disulfide	2.56	76	60687	2.028	ug/l	100
18) Methyl Acetate	2.75	43	19581	1.219	ug/l	95
20) Methylene Chloride	2.84	84	80407	6.839	ug/l	94
25) 2-Butanone	4.64	43	39432	3.895	ug/l #	90
29) Tetrahydrofuran	5.08	42	1370	0.211	ug/l #	1
36) 1,1-Dichloropropene	5.63	75	70405	4.702	ug/l #	53
38) Carbon Tetrachloride	5.64	117	92780	5.721	ug/l #	15
43) Isopropyl Acetate	6.42	43	320967	9.752	ug/l	98
48) Methyl methacrylate	7.86	41	437525	26.615	ug/l #	48
49) 1,4-Dioxane	7.72	88	4944	16.122	ug/l #	70
51) 4-Methyl-2-Pentanone	8.60	43	355754	19.073	ug/l #	47
54) cis-1,3-Dichloropropene	8.60	75	133560	6.666	ug/l #	48
59) 2-Hexanone	9.53	43	363785	25.834	ug/l #	48
76) 1,2,3-Trichloropropane	11.12	75	400921	21.601	ug/l #	35
81) trans-1,4-Dichloro-2-buten	11.12	75	399752	51.679	ug/l #	10

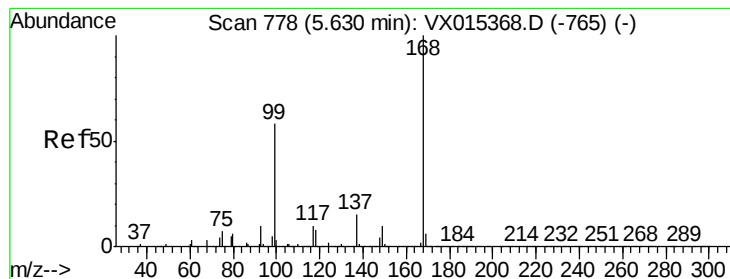
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX042120\
Data File : VX015804.D
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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: VX015804.D

Acq: 21 Apr 2020 18:55

Instrument :

MSVOA_X

ClientSampled :

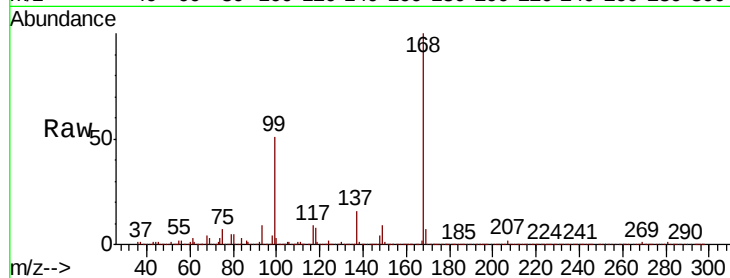
TP-4

Tot Ion:168 Resp: 1038848

Ion Ratio Lower Upper

168 100

99 51.0 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

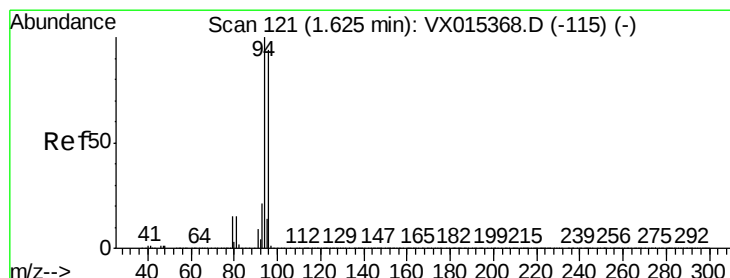
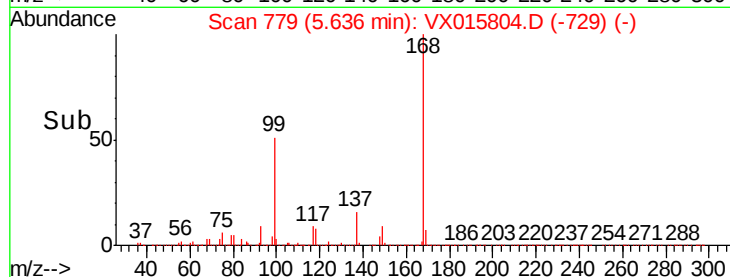
0

5.50

5.60

5.70

Time-->



#5

Bromomethane

Concen: Below Cal

RT: 1.62 min Scan# 120

Delta R.T. -0.01 min

Lab File: VX015804.D

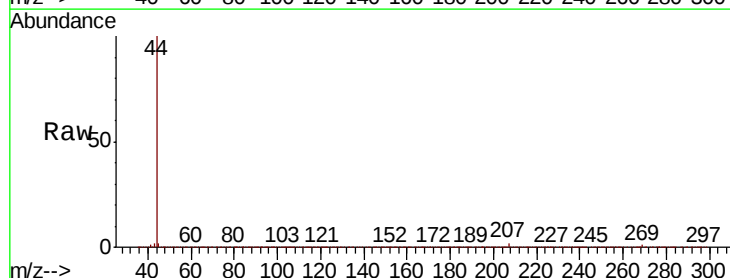
Acq: 21 Apr 2020 18:55

Tgt Ion: 94 Resp: 373

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

2000

1500

1000

500

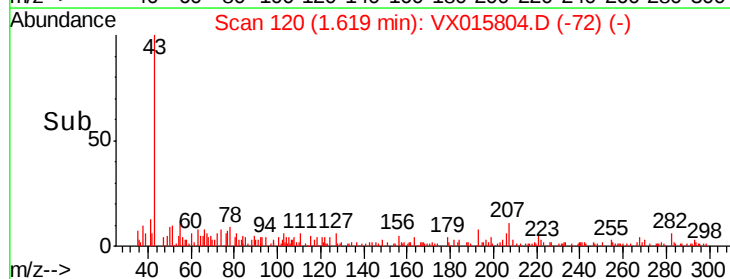
0

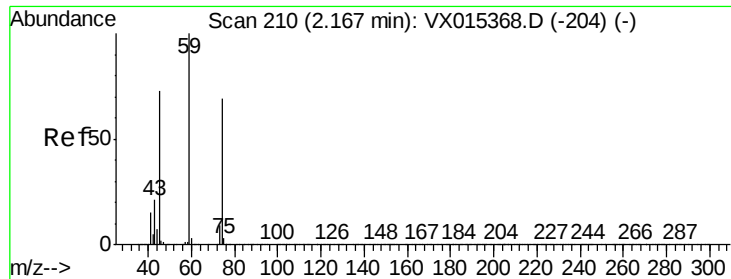
1.60

1.62

1.64

Time-->





#8

Diethyl Ether

Concen: 0.222 ug/l

RT: 2.16 min Scan# 209

Delta R.T. -0.01 min

Lab File: VX015804.D

Acq: 21 Apr 2020 18:55

Instrument :

MSVOA_X

ClientSampled :

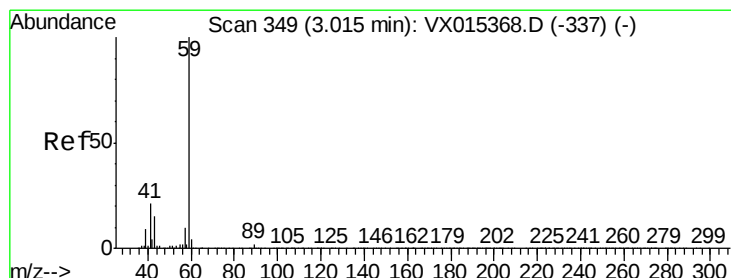
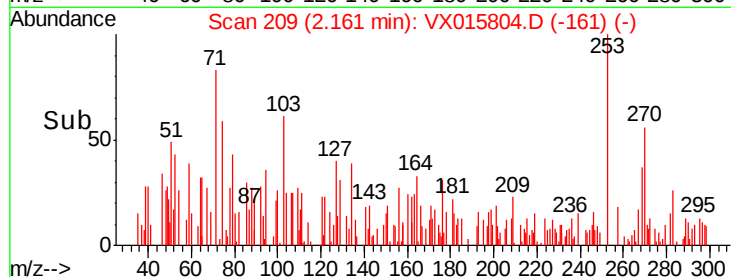
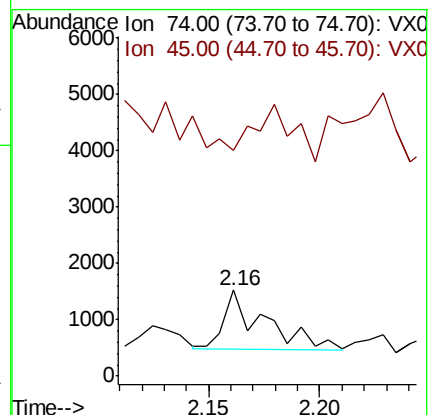
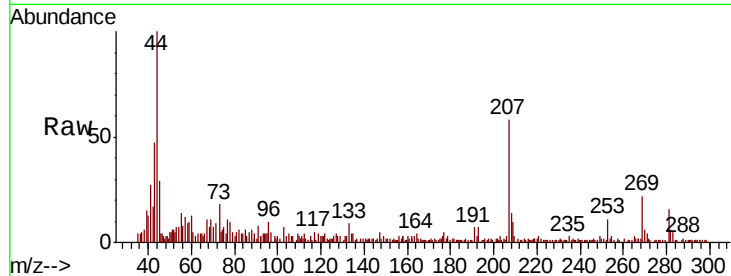
TP-4

Tot Ion: 74 Resp: 1343

Ion Ratio Lower Upper

74 100

45 90.0 53.8 161.4



#11

Tert butyl alcohol

Concen: 1.400 ug/l

RT: 2.99 min Scan# 345

Delta R.T. -0.02 min

Lab File: VX015804.D

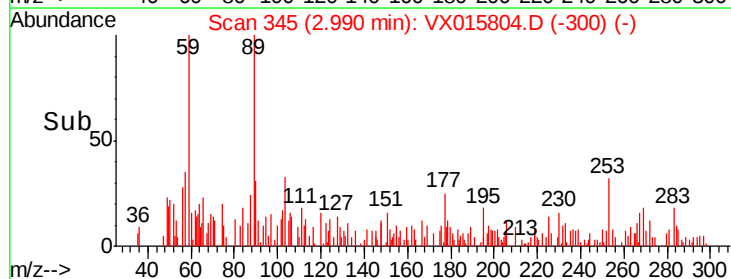
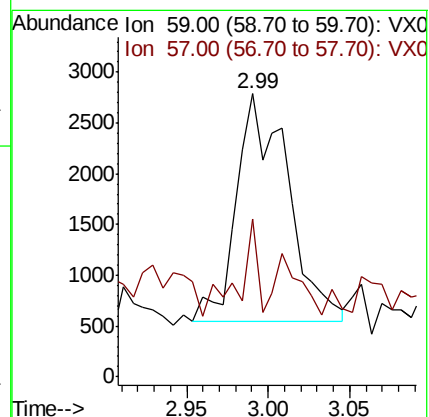
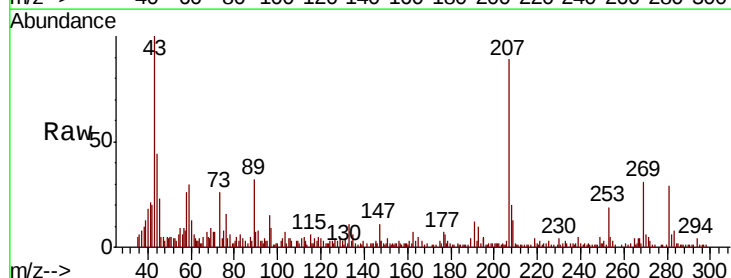
Acq: 21 Apr 2020 18:55

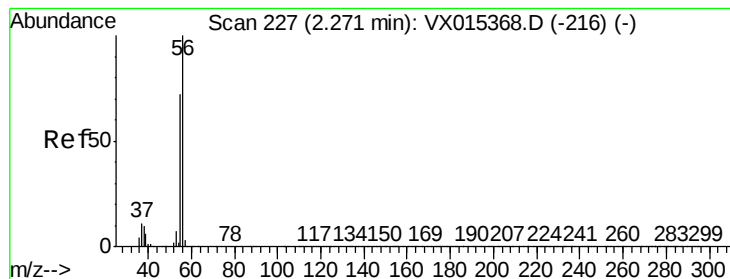
Tgt Ion: 59 Resp: 4910

Ion Ratio Lower Upper

59 100

57 6.5 8.1 12.1#





#13

Acrolein

Concen: 0.778 ug/l

RT: 2.28 min Scan# 229

Delta R.T. 0.01 min

Lab File: VX015804.D

Acq: 21 Apr 2020 18:55

Instrument :

MSVOA_X

ClientSampled :

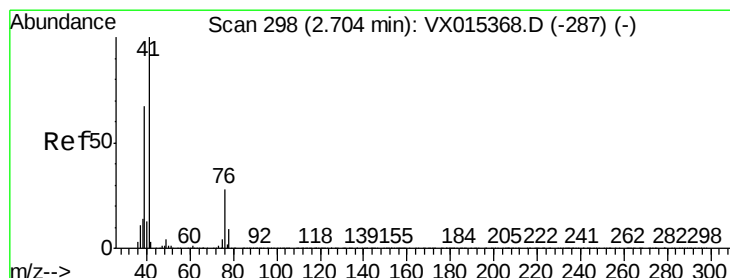
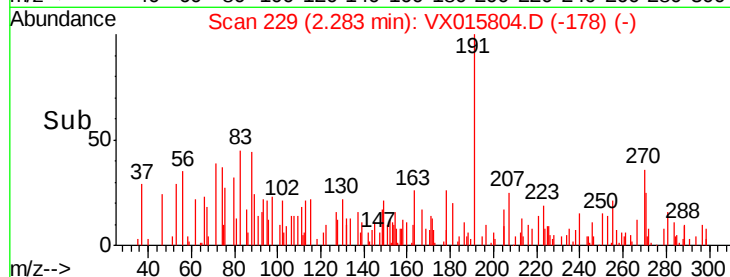
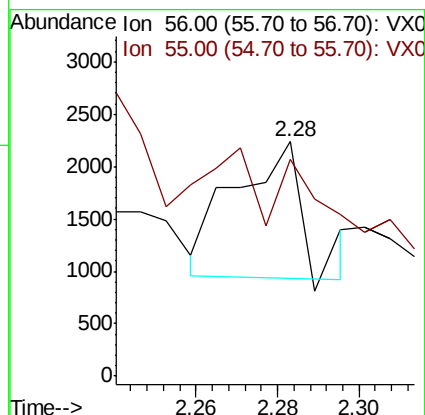
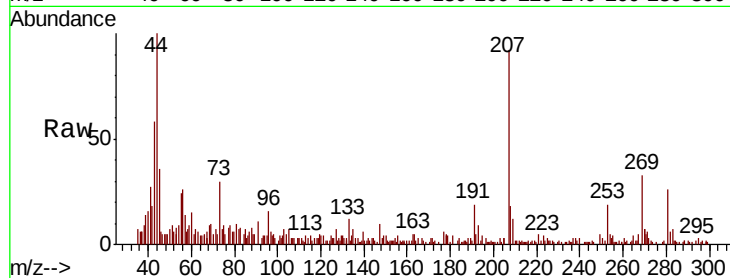
TP-4

Tot Ion: 56 Resp: 1554

Ion Ratio Lower Upper

56 100

55 30.8 57.0 85.4#



#14

Allyl chloride

Concen: 0.250 ug/l

RT: 2.69 min Scan# 296

Delta R.T. -0.01 min

Lab File: VX015804.D

Acq: 21 Apr 2020 18:55

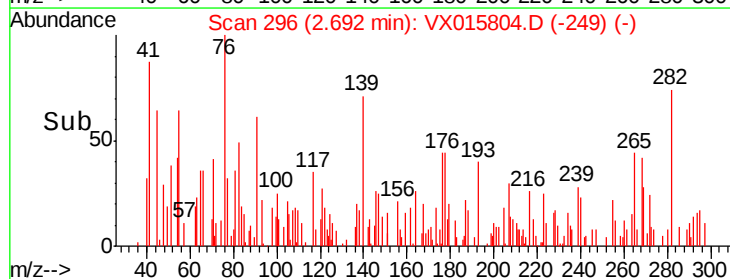
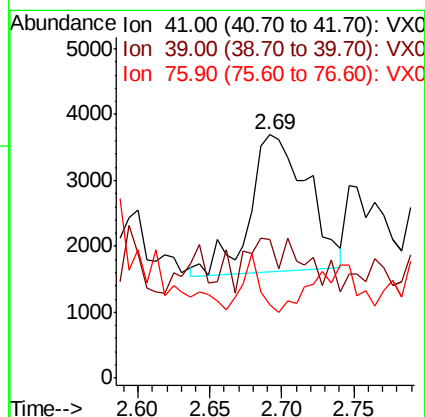
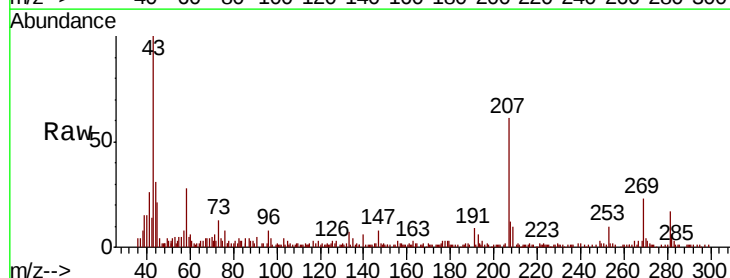
Tgt Ion: 41 Resp: 5728

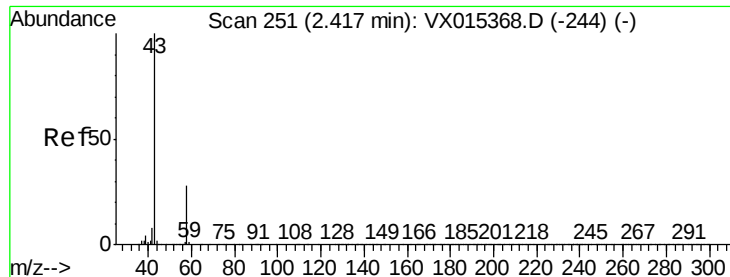
Ion Ratio Lower Upper

41 100

39 20.9 51.4 77.0#

76 0.0 21.8 32.8#





#16

Acetone

Concen: 30.673 ug/l

RT: 2.42 min Scan# 252

Delta R.T. 0.01 min

Lab File: VX015804.D

Acq: 21 Apr 2020 18:55

Instrument :

MSVOA_X

ClientSampled :

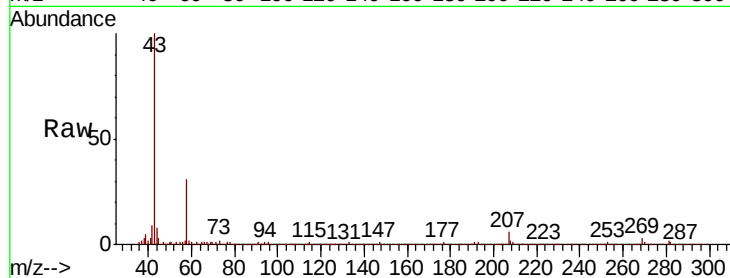
TP-4

Tot Ion: 43 Resp: 193081

Ion Ratio Lower Upper

43 100

58 31.3 22.1 33.1



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

2.42

120000

100000

80000

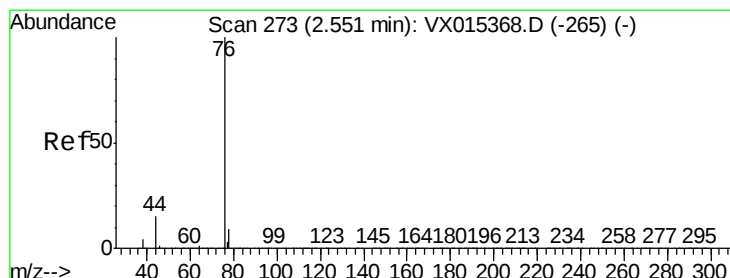
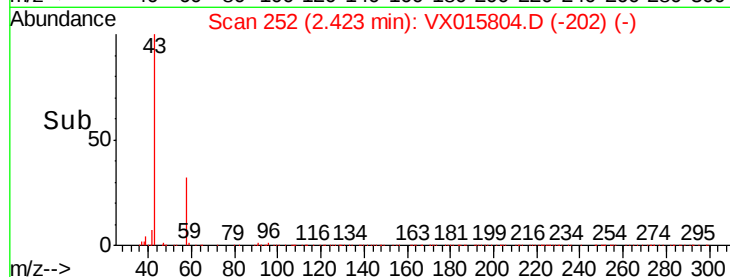
60000

40000

20000

0

Time-->



#17

Carbon Disulfide

Concen: 2.028 ug/l

RT: 2.56 min Scan# 274

Delta R.T. 0.01 min

Lab File: VX015804.D

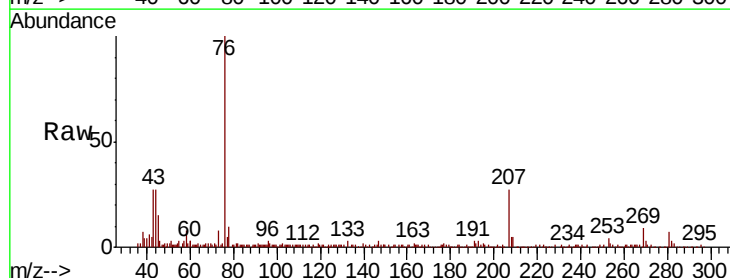
Acq: 21 Apr 2020 18:55

Tgt Ion: 76 Resp: 60687

Ion Ratio Lower Upper

76 100

78 8.9 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

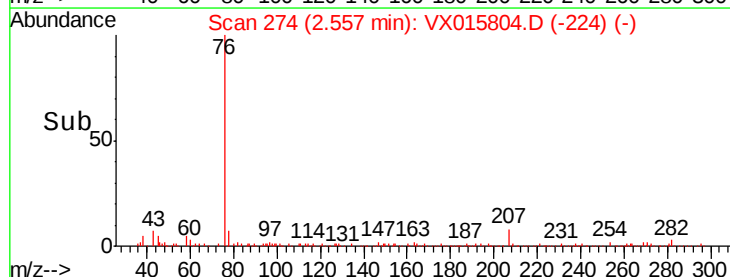
30000

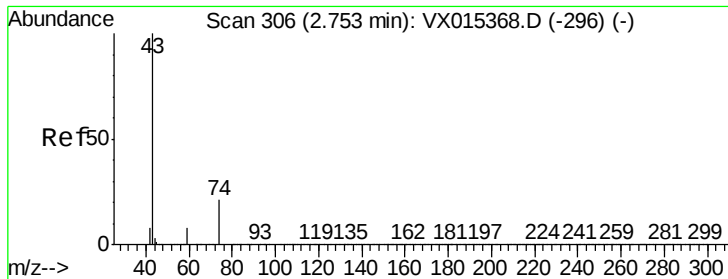
20000

10000

0

Time-->

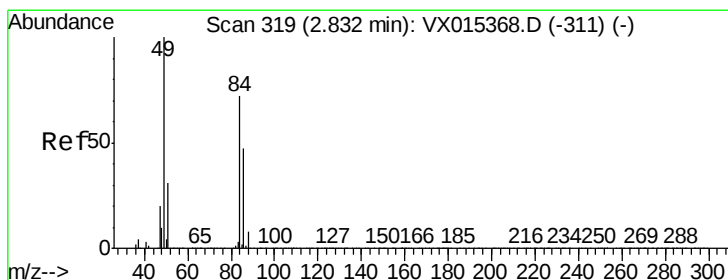
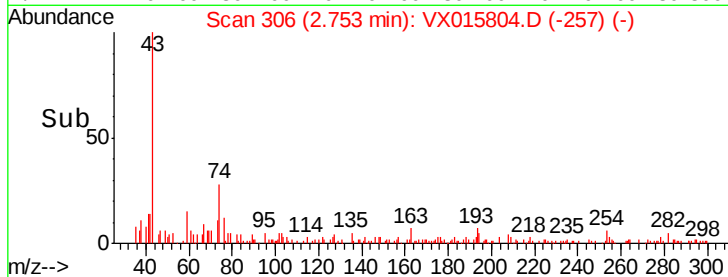
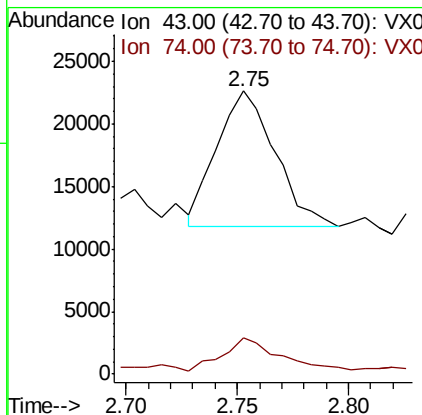
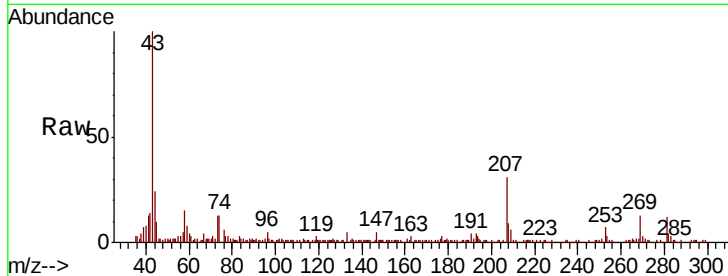




#18
Methyl Acetate
Concen: 1.219 ug/l
RT: 2.75 min Scan# 306
Delta R.T. -0.00 min
Lab File: VX015804.D
Acq: 21 Apr 2020 18:55

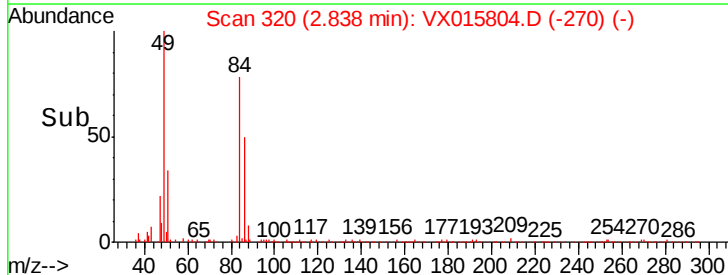
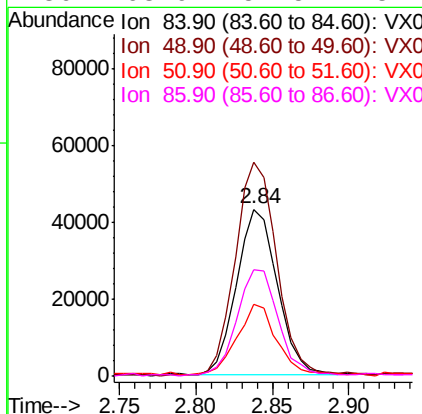
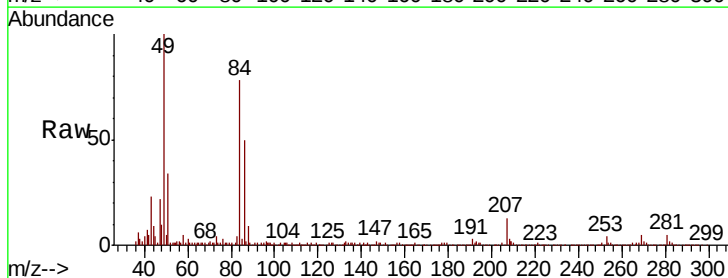
Instrument :
MSVOA_X
ClientSampled :
TP-4

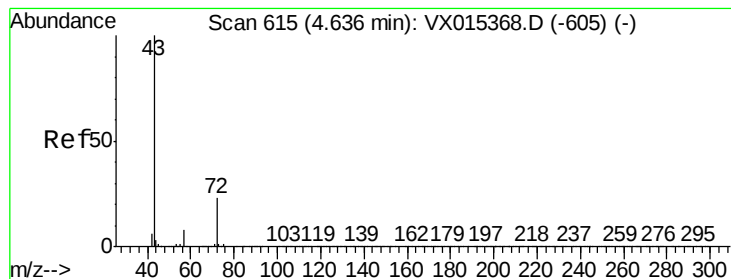
Tot Ion: 43 Resp: 19581
Ion Ratio Lower Upper
43 100
74 23.0 16.5 24.7



#20
Methylene Chloride
Concen: 6.839 ug/l
RT: 2.84 min Scan# 320
Delta R.T. 0.01 min
Lab File: VX015804.D
Acq: 21 Apr 2020 18:55

Tgt Ion: 84 Resp: 80407
Ion Ratio Lower Upper
84 100
49 127.5 111.3 166.9
51 42.1 34.0 51.0
86 63.9 52.5 78.7





#25

2-Butanone

Concen: 3.895 ug/l

RT: 4.64 min Scan# 615

Delta R.T. -0.00 min

Lab File: VX015804.D

Acq: 21 Apr 2020 18:55

Instrument :

MSVOA_X

ClientSampleId :

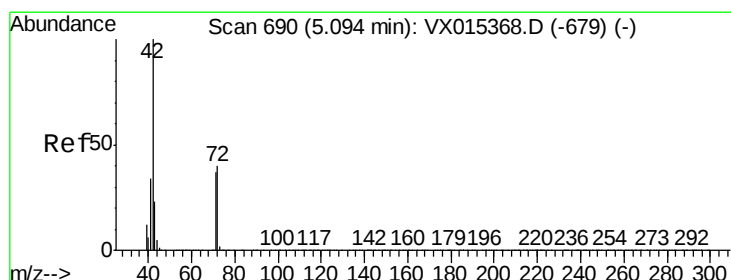
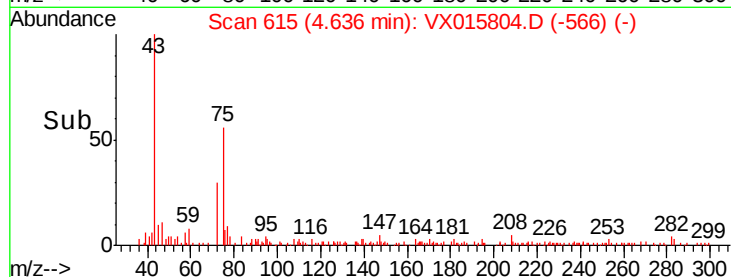
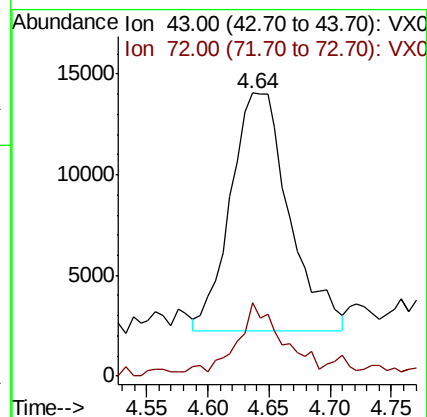
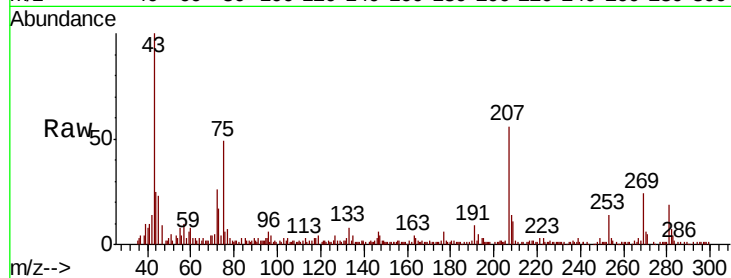
TP-4

Tot Ion: 43 Resp: 39432

Ion Ratio Lower Upper

43 100

72 28.7 19.0 28.4#



#29

Tetrahydrofuran

Concen: 0.211 ug/l

RT: 5.08 min Scan# 688

Delta R.T. -0.01 min

Lab File: VX015804.D

Acq: 21 Apr 2020 18:55

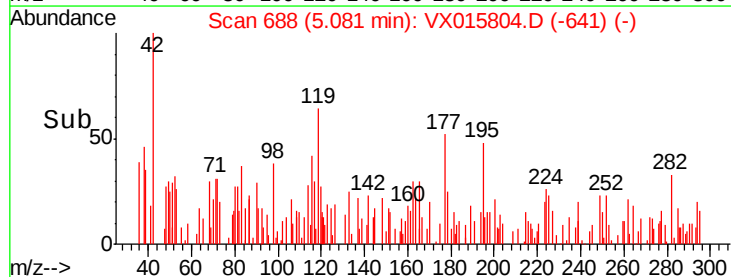
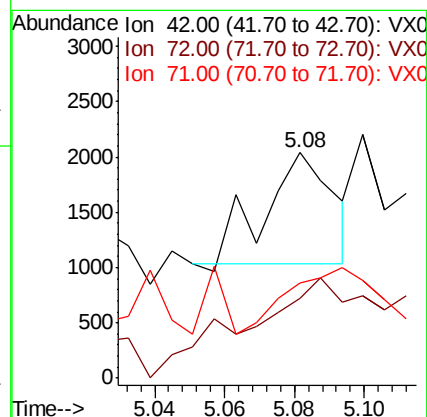
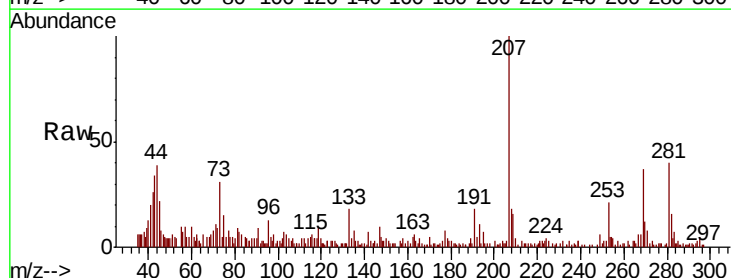
Tgt Ion: 42 Resp: 1370

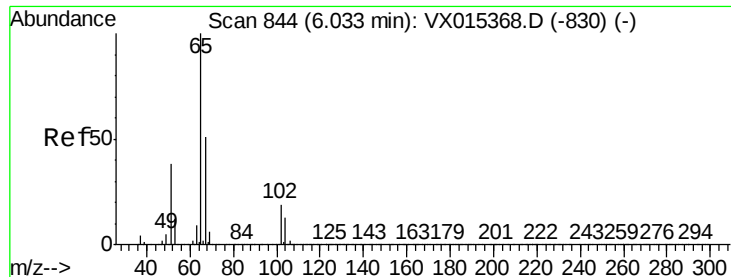
Ion Ratio Lower Upper

42 100

72 223.7 31.7 47.5#

71 133.2 29.6 44.4#





#33

1,2-Dichloroethane-d4

Concen: 40.355 ug/l

RT: 6.04 min Scan# 845

Delta R.T. 0.01 min

Lab File: VX015804.D

Acq: 21 Apr 2020 18:55

Instrument :

MSVOA_X

ClientSampled :

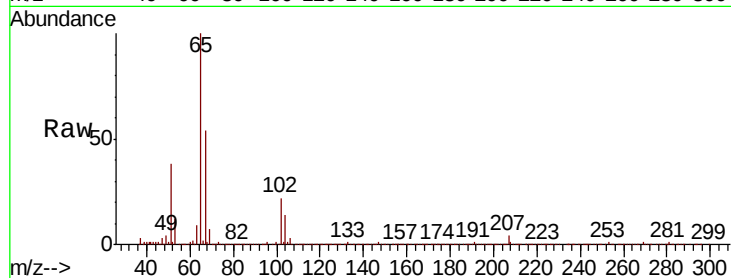
TP-4

Tot Ion: 65 Resp: 591280

Ion Ratio Lower Upper

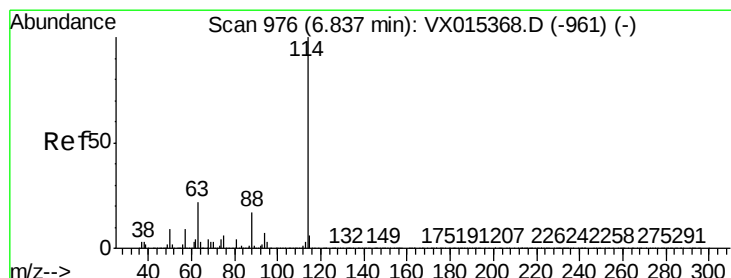
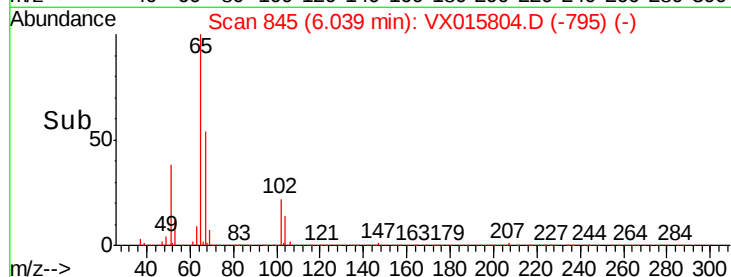
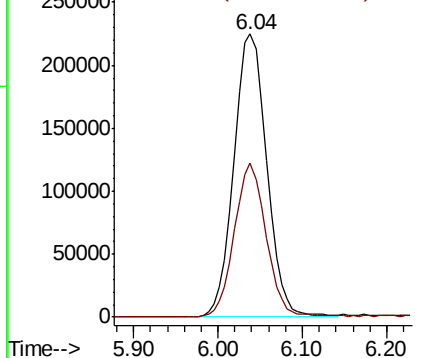
65 100

67 52.3 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: VX015804.D

Acq: 21 Apr 2020 18:55

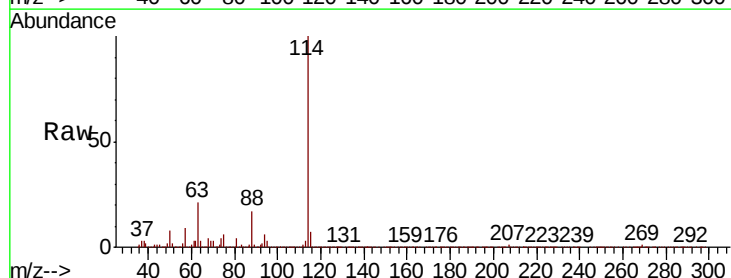
Tgt Ion: 114 Resp: 1625079

Ion Ratio Lower Upper

114 100

63 21.1 0.0 44.2

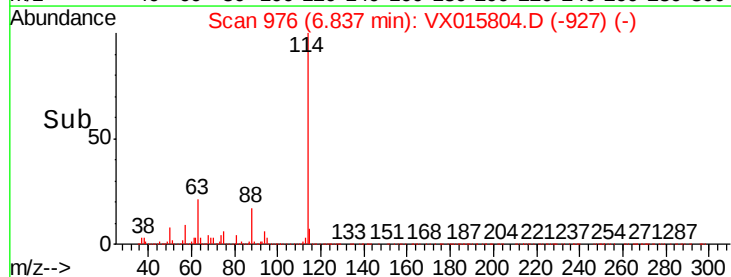
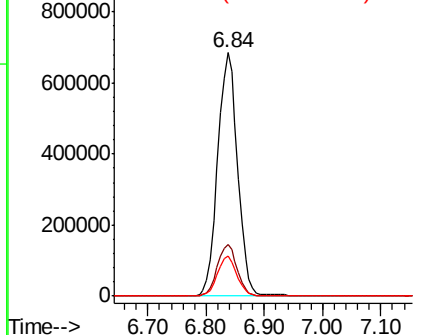
88 16.7 0.0 33.8

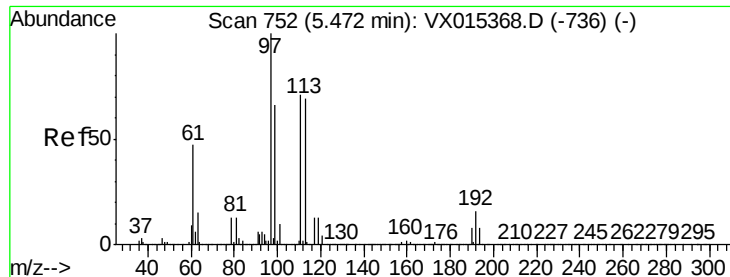


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 45.692 ug/l

RT: 5.48 min Scan# 753

Delta R.T. 0.01 min

Lab File: VX015804.D

Acq: 21 Apr 2020 18:55

Instrument :

MSVOA_X

ClientSampleId :

TP-4

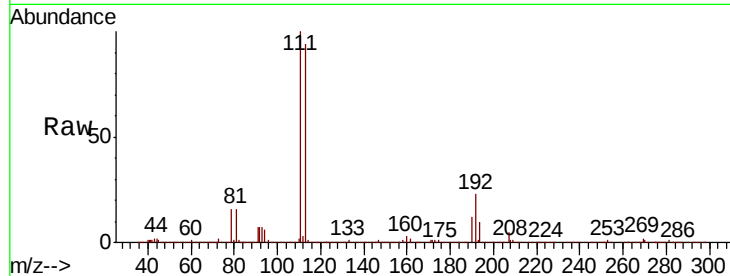
Tot Ion:113 Resp: 474644

Ion Ratio Lower Upper

113 100

111 103.5 81.5 122.3

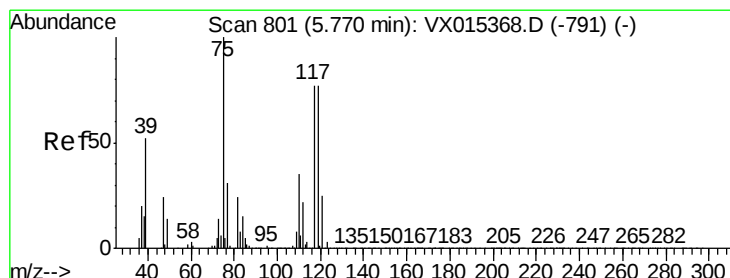
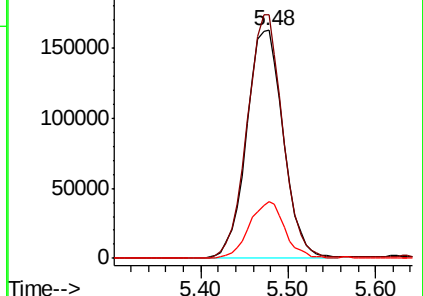
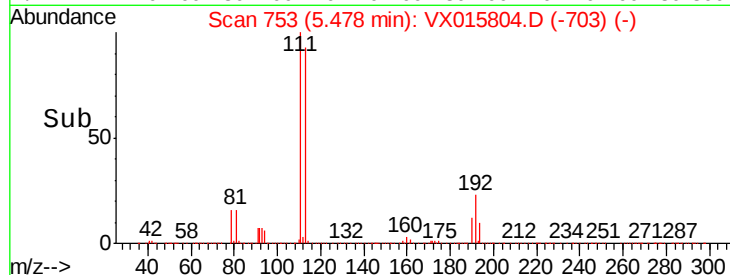
192 24.2 17.8 26.6



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: 4.702 ug/l

RT: 5.63 min Scan# 778

Delta R.T. -0.14 min

Lab File: VX015804.D

Acq: 21 Apr 2020 18:55

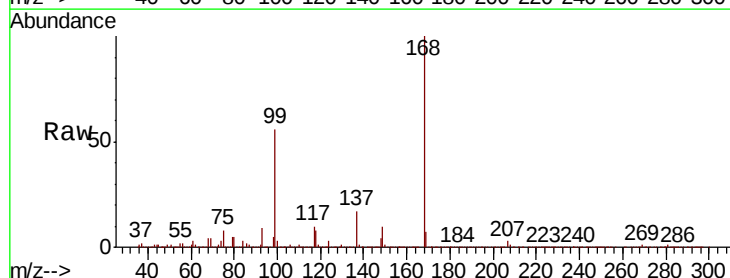
Tgt Ion: 75 Resp: 70405

Ion Ratio Lower Upper

75 100

110 11.3 17.1 51.3#

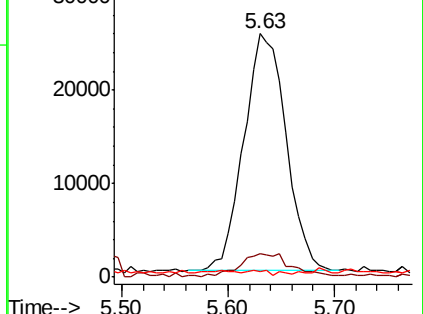
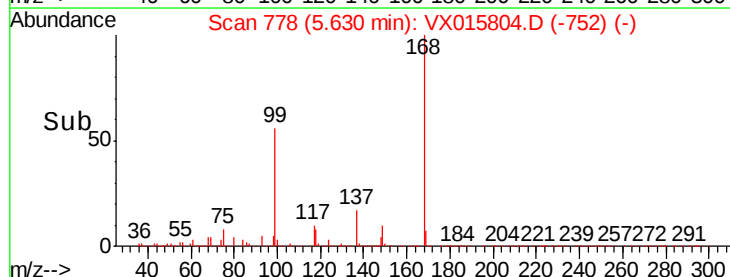
77 1.0 24.6 36.8#

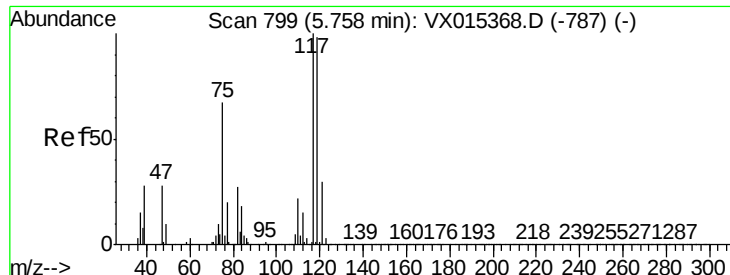


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 5.721 ug/l

RT: 5.64 min Scan# 779

Delta R.T. -0.12 min

Lab File: VX015804.D

Acq: 21 Apr 2020 18:55

Instrument :

MSVOA_X

ClientSampled :

TP-4

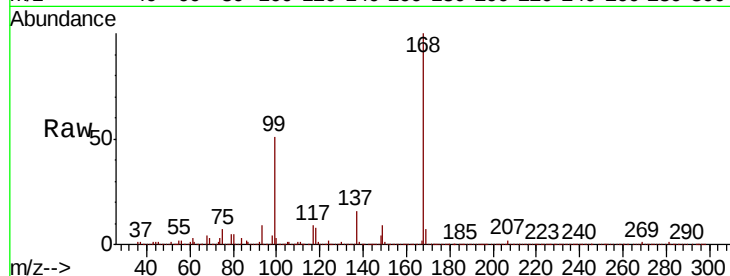
Tot Ion:117 Resp: 92780

Ion Ratio Lower Upper

117 100

119 5.0 78.0 117.0#

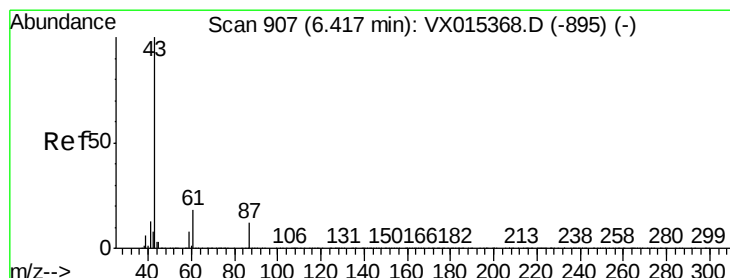
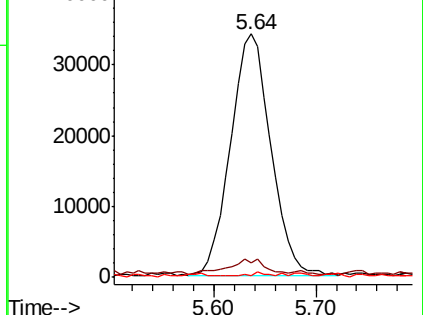
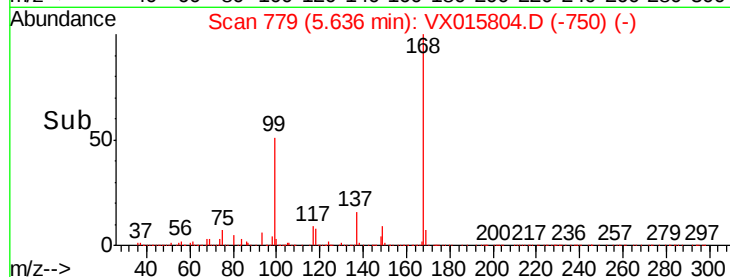
121 0.0 23.8 35.8#



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



#43

Isopropyl Acetate

Concen: 9.752 ug/l

RT: 6.42 min Scan# 907

Delta R.T. -0.00 min

Lab File: VX015804.D

Acq: 21 Apr 2020 18:55

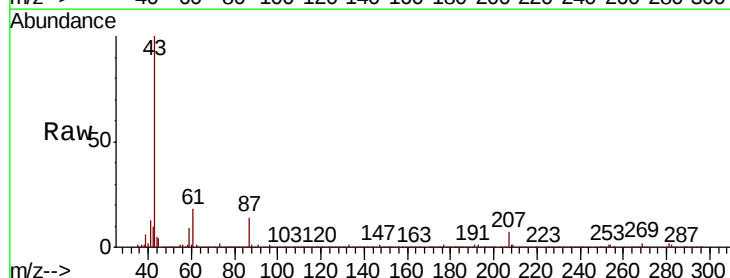
Tgt Ion: 43 Resp: 320967

Ion Ratio Lower Upper

43 100

61 19.6 14.8 22.2

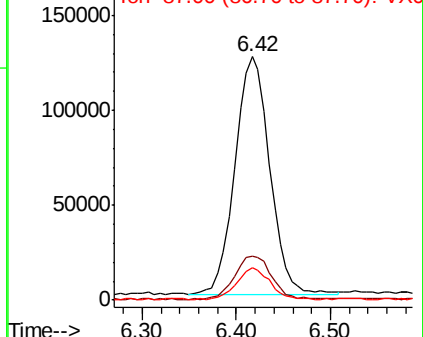
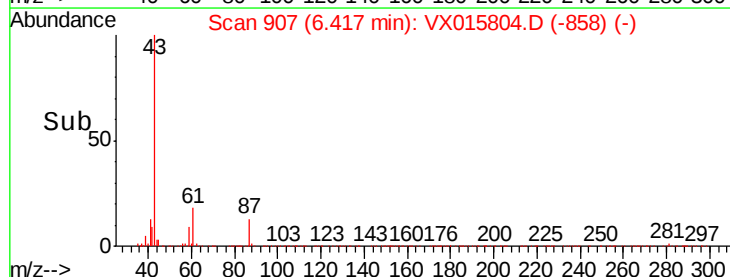
87 12.4 9.4 14.0

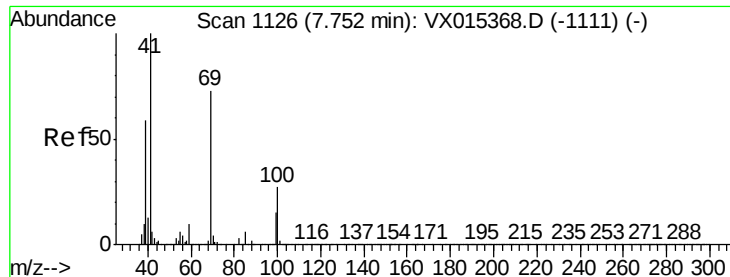


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 87.00 (86.70 to 87.70): VX0





#48

Methyl methacrylate

Concen: 26.615 ug/l

RT: 7.86 min Scan# 1143

Delta R.T. 0.10 min

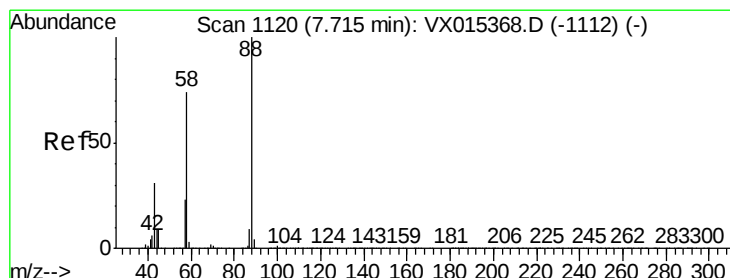
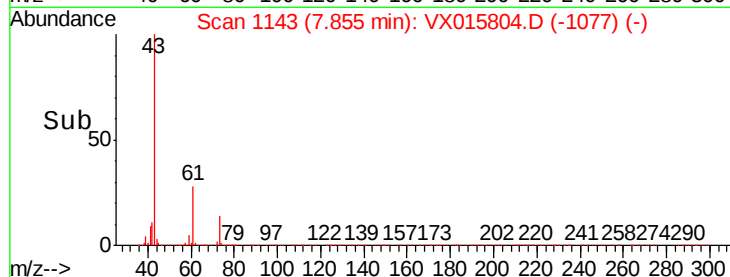
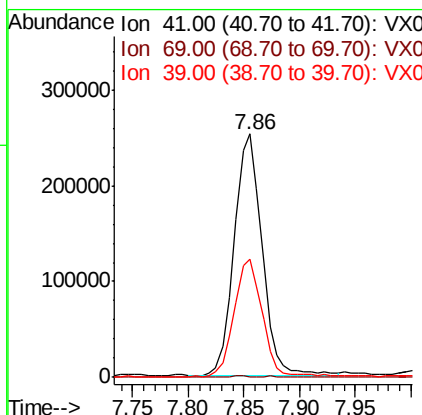
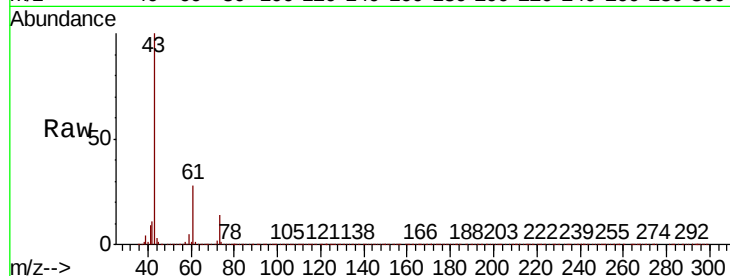
Lab File: VX015804.D

Acq: 21 Apr 2020 18:55

Instrument :
MSVOA_X
ClientSampleId :
TP-4

Tot Ion: 41 Resp: 437525

Ion	Ratio	Lower	Upper
41	100		
69	0.3	56.7	85.1#
39	50.0	46.5	69.7



#49

1,4-Dioxane

Concen: 16.122 ug/l

RT: 7.72 min Scan# 1121

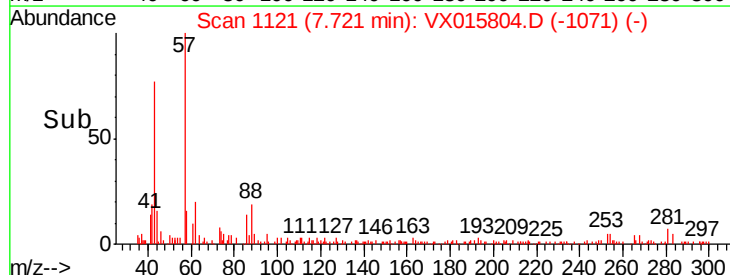
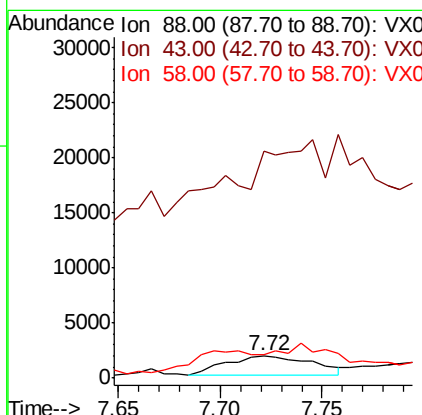
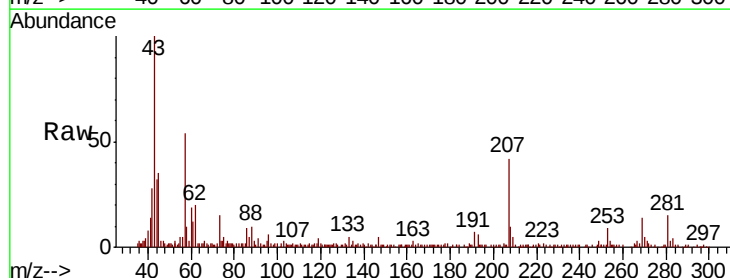
Delta R.T. 0.01 min

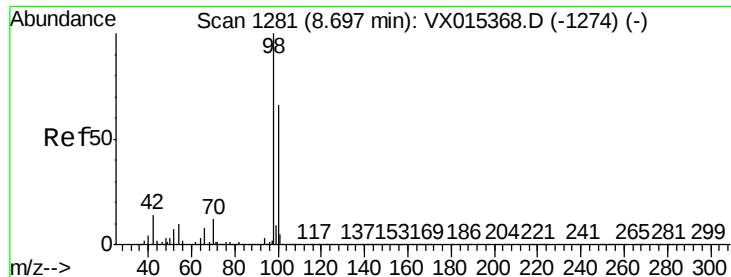
Lab File: VX015804.D

Acq: 21 Apr 2020 18:55

Tgt Ion: 88 Resp: 4944

Ion	Ratio	Lower	Upper
88	100		
43	0.0	30.1	45.1#
58	63.9	60.6	90.8

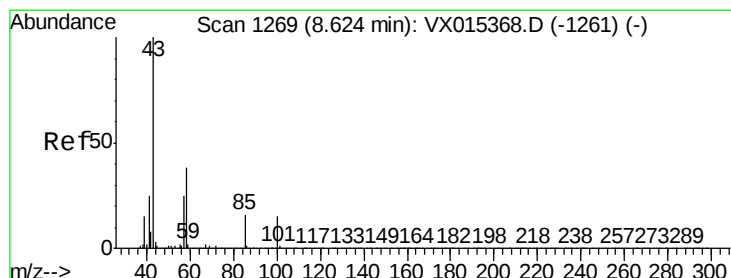
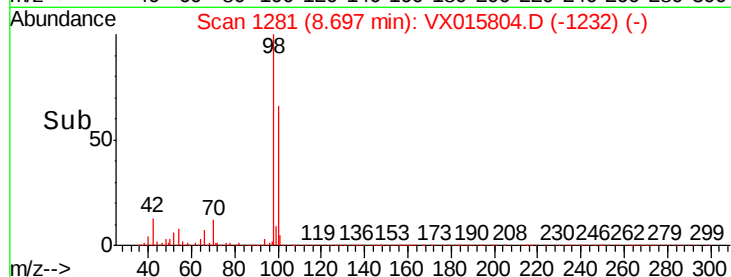
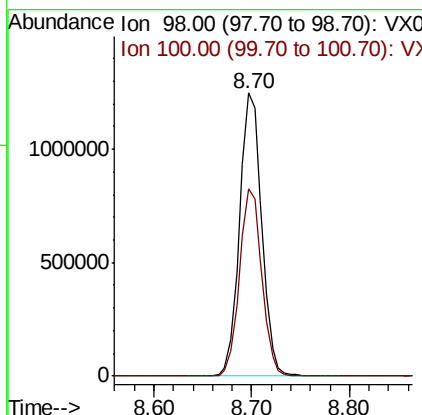
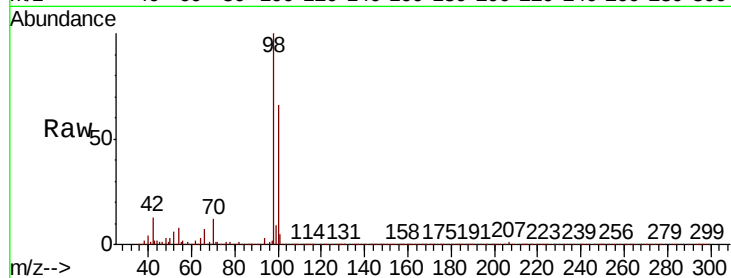




#50
Toluene-d8
Concen: 51.228 ug/l
RT: 8.70 min Scan# 1281
Delta R.T. -0.00 min
Lab File: VX015804.D
Acq: 21 Apr 2020 18:55

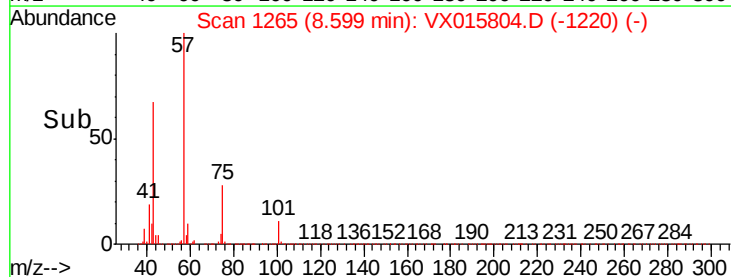
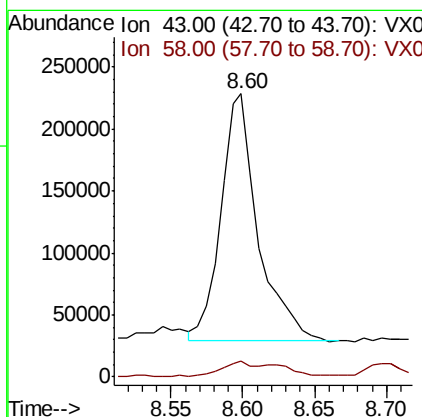
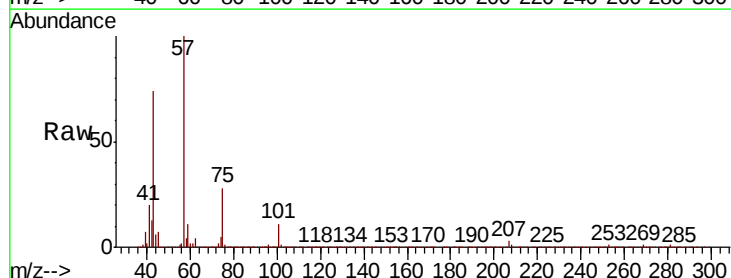
Instrument :
MSVOA_X
ClientSampled :
TP-4

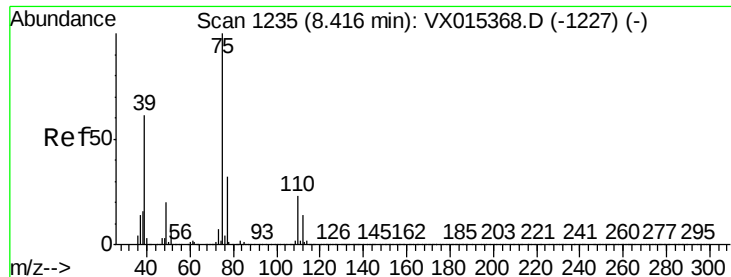
Tot Ion: 98 Resp: 1959246
Ion Ratio Lower Upper
98 100
100 66.4 53.5 80.3



#51
4-Methyl-2-Pentanone
Concen: 19.073 ug/l
RT: 8.60 min Scan# 1265
Delta R.T. -0.02 min
Lab File: VX015804.D
Acq: 21 Apr 2020 18:55

Tgt Ion: 43 Resp: 355754
Ion Ratio Lower Upper
43 100
58 5.5 29.7 44.5#



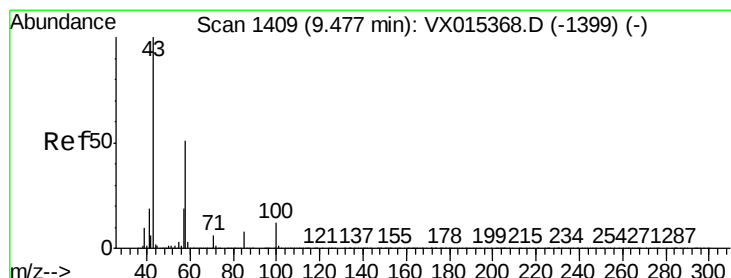
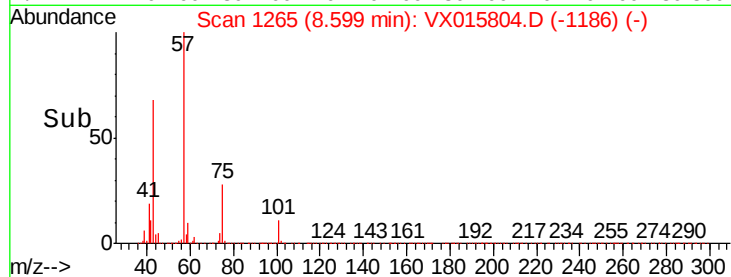
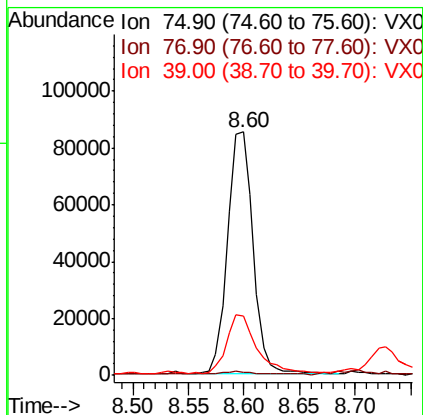
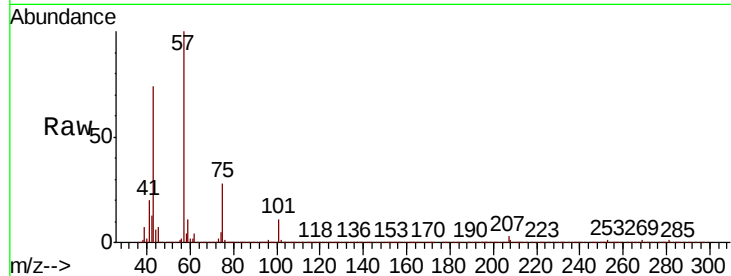


#54

cis-1,3-Dichloropropene
 Concen: 6.666 ug/l
 RT: 8.60 min Scan# 1265
 Delta R.T. 0.18 min
 Lab File: VX015804.D
 Acq: 21 Apr 2020 18:55

Instrument :
 MSVOA_X
 ClientSampleId :
 TP-4

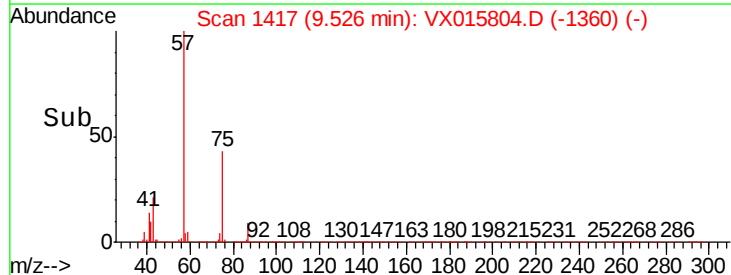
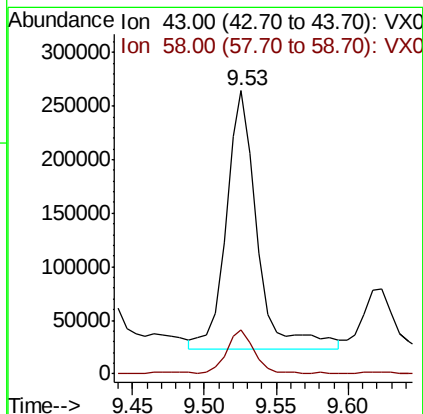
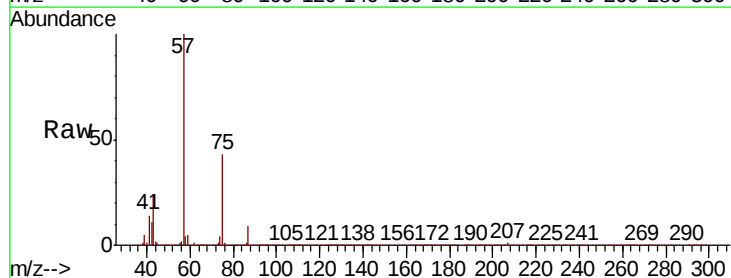
Tot Ion	Ratio	Lower	Upper
75	100		
77	0.4	25.8	38.6#
39	23.8	49.0	73.4#

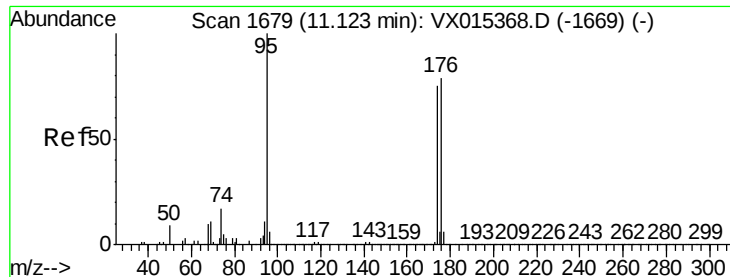


#59

2-Hexanone
 Concen: 25.834 ug/l
 RT: 9.53 min Scan# 1417
 Delta R.T. 0.05 min
 Lab File: VX015804.D
 Acq: 21 Apr 2020 18:55

Tgt Ion	Ratio	Lower	Upper
43	100		
58	14.8	25.6	76.6#

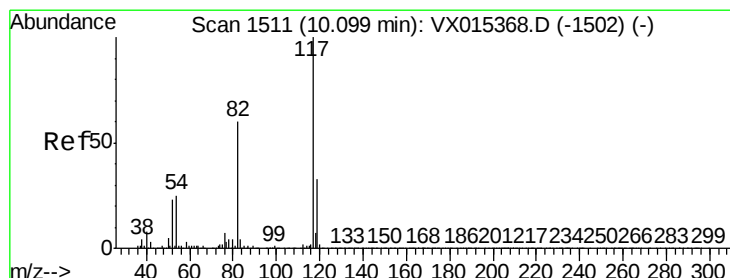
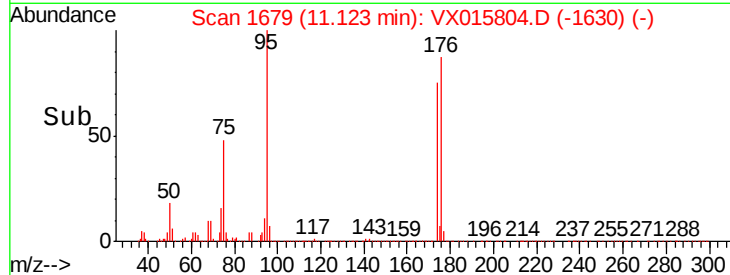
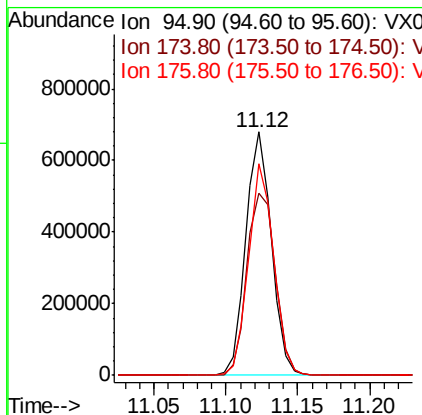
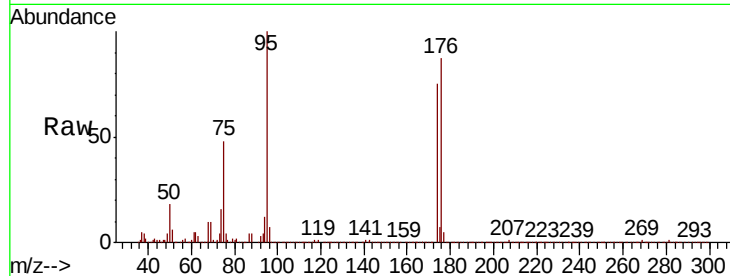




#62
4-Bromofluorobenzene
Concen: 53.484 ug/l
RT: 11.12 min Scan# 1679
Delta R.T. -0.00 min
Lab File: VX015804.D
Acq: 21 Apr 2020 18:55

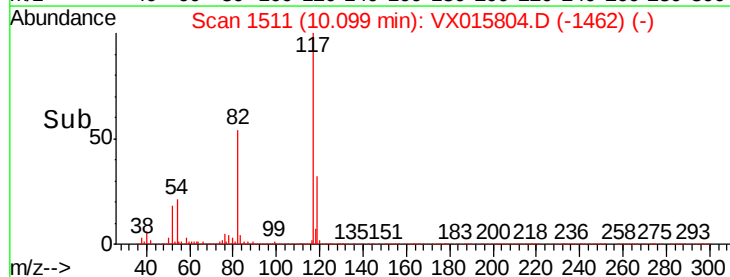
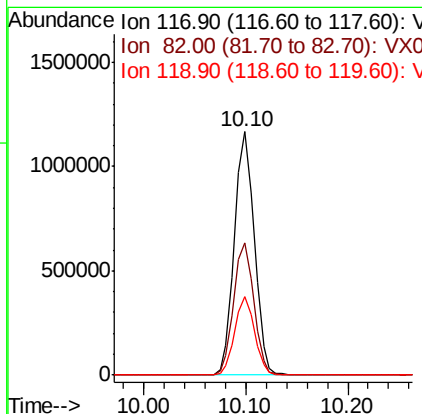
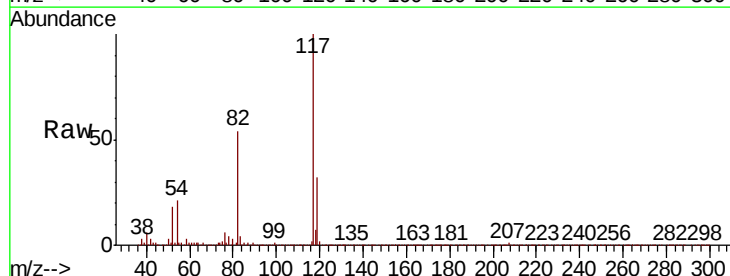
Instrument :
MSVOA_X
ClientSampleId :
TP-4

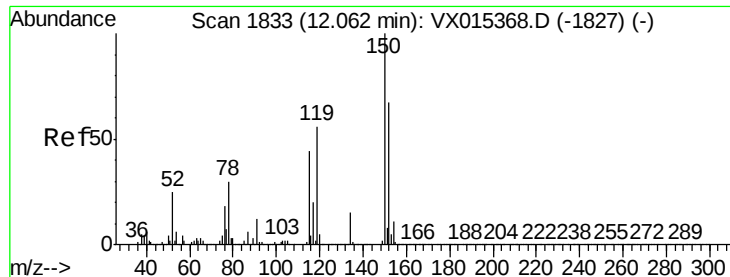
Tot Ion	Ratio	Lower	Upper
95	100		
174	83.2	0.0	158.6
176	85.4	0.0	159.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1511
Delta R.T. -0.00 min
Lab File: VX015804.D
Acq: 21 Apr 2020 18:55

Tgt Ion	Ratio	Lower	Upper
117	100		
82	54.5	47.8	71.8
119	32.0	26.8	40.2



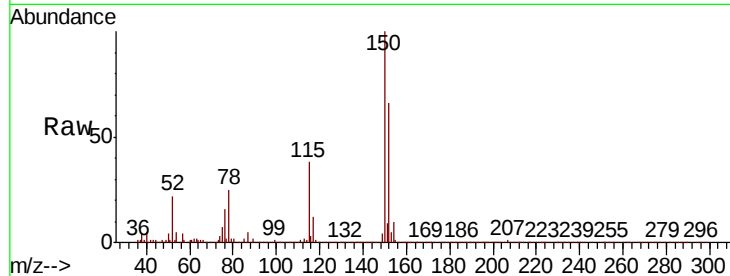


#72

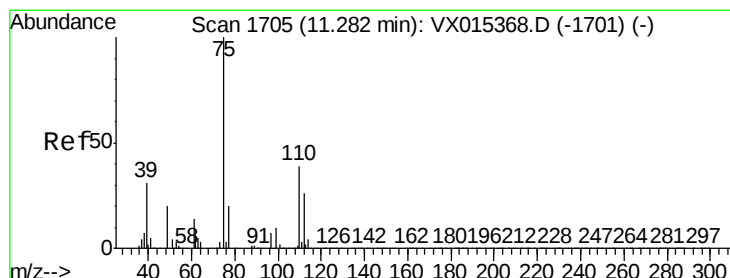
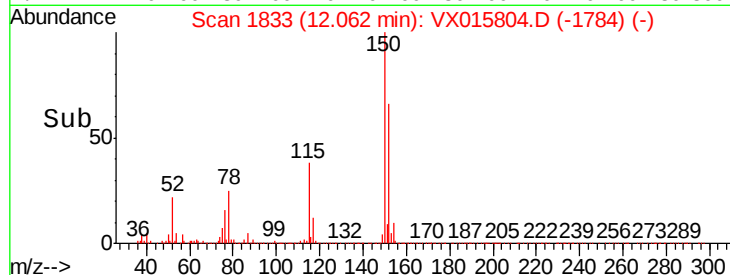
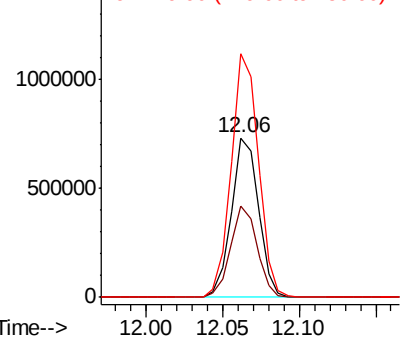
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.06 min Scan# 1833
Delta R.T. -0.00 min
Lab File: VX015804.D
Acq: 21 Apr 2020 18:55

Instrument :
MSVOA_X
ClientSampled :
TP-4

Tot Ion	Ratio	Lower	Upper
152	100		
115	56.3	39.0	116.9
150	153.6	0.0	340.8



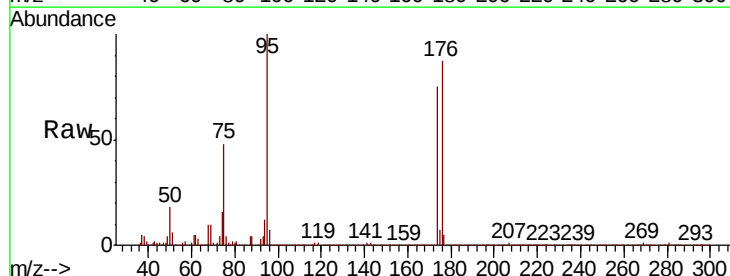
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



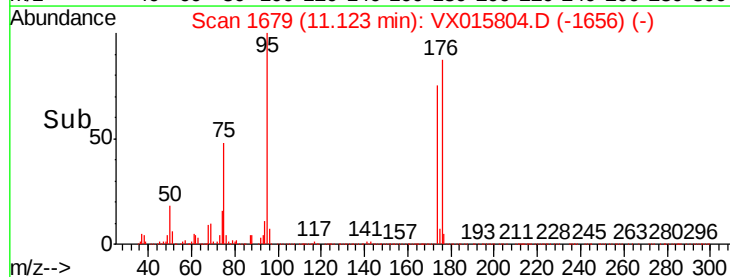
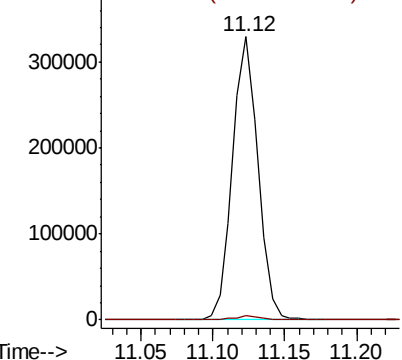
#76

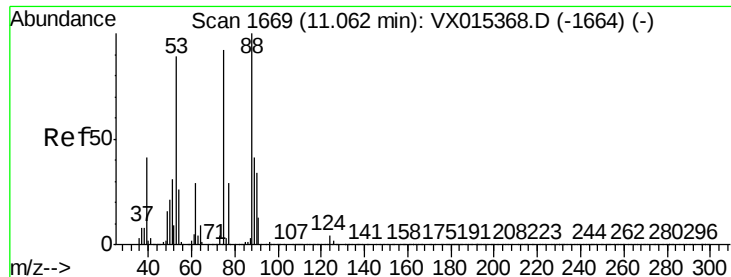
1,2,3-Trichloropropane
Concen: 21.601 ug/l
RT: 11.12 min Scan# 1679
Delta R.T. -0.16 min
Lab File: VX015804.D
Acq: 21 Apr 2020 18:55

Tgt 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: 51.679 ug/l

RT: 11.12 min Scan# 1679

Delta R.T. 0.06 min

Lab File: VX015804.D

Acq: 21 Apr 2020 18:55

Instrument :

MSVOA_X

ClientSampleId :

TP-4

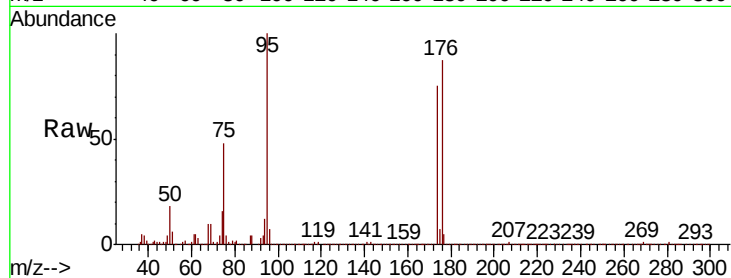
Tot Ion: 75 Resp: 399752

Ion Ratio Lower Upper

75 100

53 0.0 80.1 120.1#

89 0.2 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

