

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX040620\
 Data File : VX015507.D
 Acq On : 06 Apr 2020 13:10
 Operator : JC/SP
 Sample : L2097-13 50X
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 317205

Quant Time: Apr 07 04:59:06 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	1152539	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	1826721	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	1812291	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	1007887	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.03	65	762730	46.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.84%	
35) Dibromofluoromethane	5.47	113	572068	48.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.98%	
50) Toluene-d8	8.70	98	2234838	51.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.96%	
62) 4-Bromofluorobenzene	11.12	95	994302	56.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	113.82%	

Target Compounds

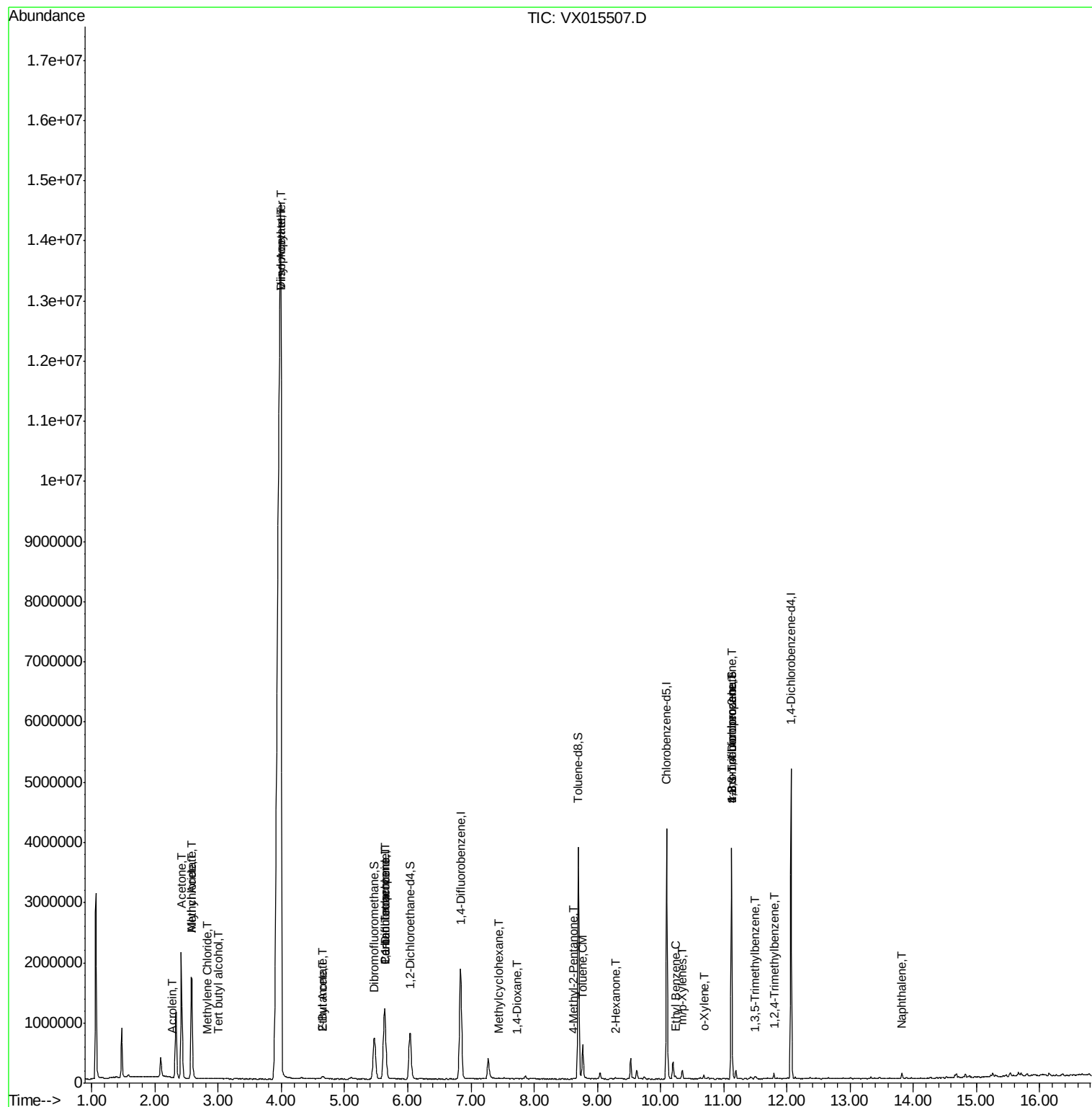
						Qvalue
5) Bromomethane	1.64	94	1301	Below Cal	#	44
11) Tert butyl alcohol	3.00	59	11486	2.952	ug/l	100
13) Acrolein	2.27	56	4530	2.044	ug/l #	67
14) Allyl chloride	2.58	41	163139	6.417	ug/l #	64
16) Acetone	2.42	43	2205760	315.846	ug/l	99
18) Methyl Acetate	2.58	43	400168	22.451	ug/l #	56
20) Methylene Chloride	2.83	84	3042	0.233	ug/l #	36
22) Diisopropyl ether	3.99	45	1591965	35.336	ug/l #	1
23) Vinyl Acetate	3.99	43	3922565	96.163	ug/l #	74
25) 2-Butanone	4.65	43	52251	4.652	ug/l	100
36) 1,1-Dichloropropene	5.63	75	84759	5.036	ug/l #	52
37) Ethyl Acetate	4.65	43	52251	2.384	ug/l #	72
38) Carbon Tetrachloride	5.64	117	111759	6.131	ug/l #	15
39) Methylcyclohexane	7.43	83	6405	0.330	ug/l #	85
49) 1,4-Dioxane	7.73	88	487	1.413	ug/l #	46
51) 4-Methyl-2-Pentanone	8.62	43	8936	0.426	ug/l	100
52) Toluene	8.77	92	216865	7.134	ug/l	98
59) 2-Hexanone	9.29	43	3588	0.227	ug/l	82
67) Ethyl Benzene	10.24	91	21809	0.340	ug/l	97
68) m/p-Xylenes	10.34	106	33355	1.397	ug/l	93
69) o-Xylene	10.68	106	13733	0.582	ug/l	91
76) 1,2,3-Trichloropropane	11.12	75	518230	25.003	ug/l #	35
80) 1,3,5-Trimethylbenzene	11.49	105	16850	0.299	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.12	75	518230	59.995	ug/l #	10
84) 1,2,4-Trimethylbenzene	11.79	105	38550	0.671	ug/l	98
95) Naphthalene	13.82	128	57929	0.778	ug/l	98

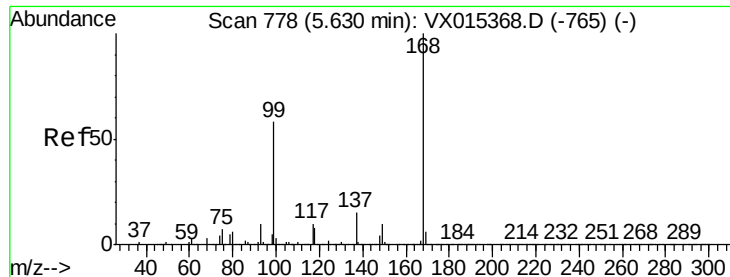
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Data File : VX015507.D
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Quant Time: Apr 07 04:59:06 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: VX015507.D

Acq: 06 Apr 2020 13:10

Instrument :

MSVOA_X

ClientSampleId :

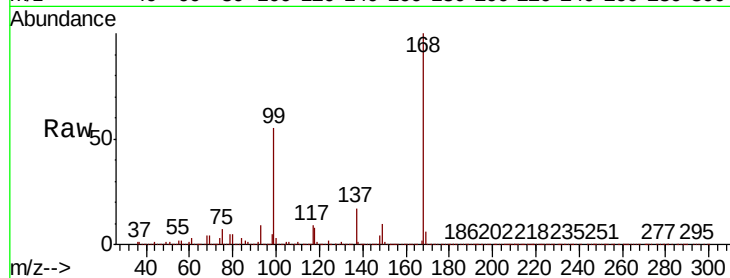
317205

Tot Ion:168 Resp: 1152539

Ion Ratio Lower Upper

168 100

99 55.2 46.4 69.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.64

400000

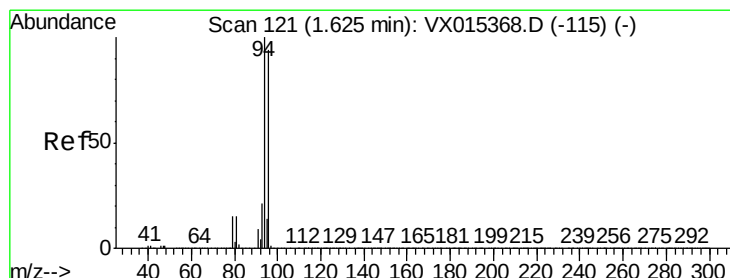
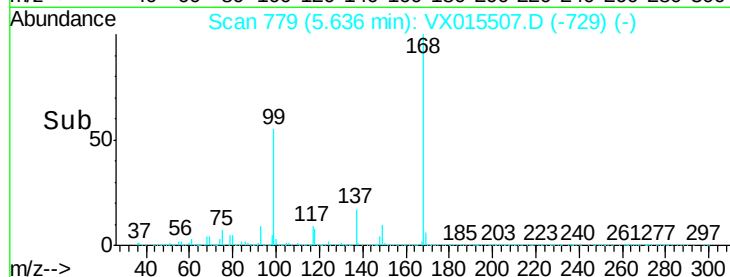
300000

200000

100000

0

Time-->



#5

Bromomethane

Concen: Below Cal

RT: 1.64 min Scan# 123

Delta R.T. 0.01 min

Lab File: VX015507.D

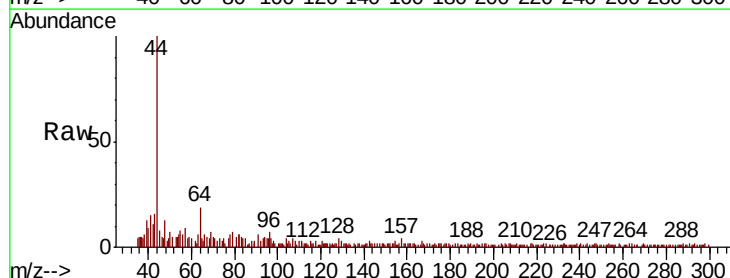
Acq: 06 Apr 2020 13:10

Tgt Ion: 94 Resp: 1301

Ion Ratio Lower Upper

94 100

96 39.6 74.8 112.2#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

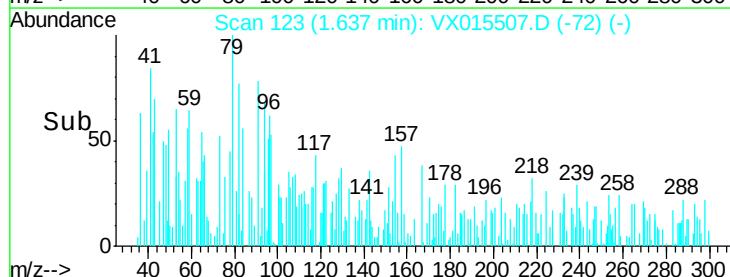
1.64

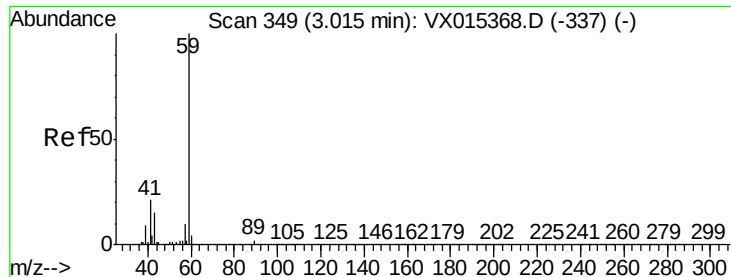
1000

500

0

Time-->



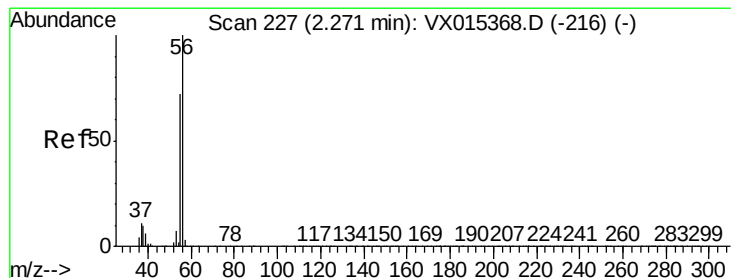
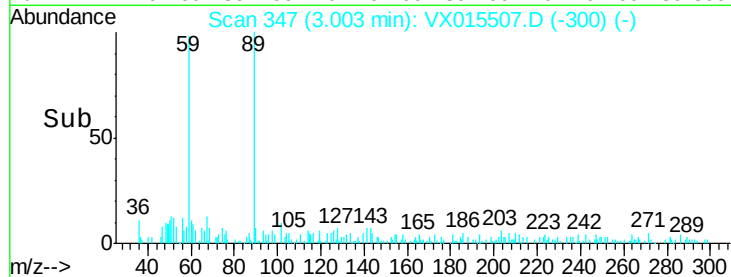
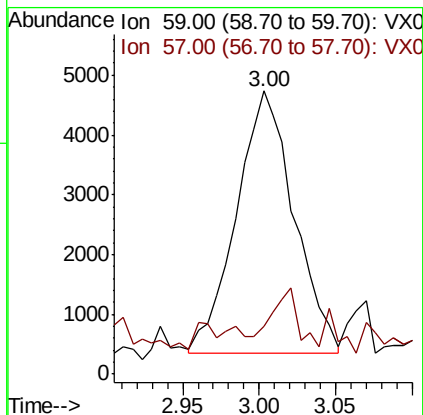
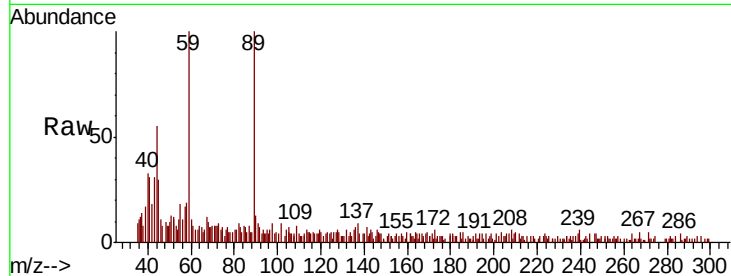


#11

Tert butyl alcohol
Concen: 2.952 ug/l
RT: 3.00 min Scan# 347
Delta R.T. -0.01 min
Lab File: VX015507.D
Acq: 06 Apr 2020 13:10

Instrument :
MSVOA_X
ClientSampled :
317205

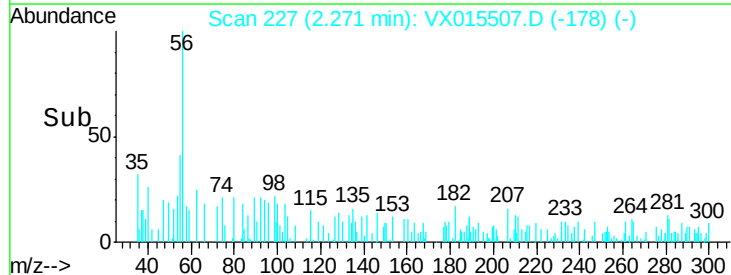
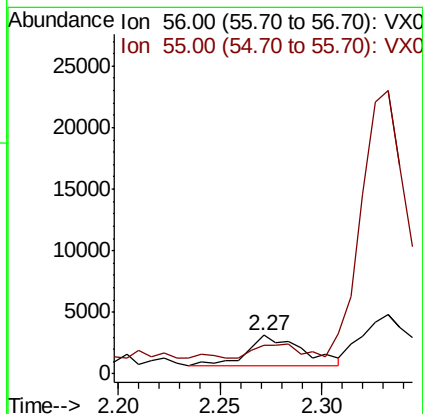
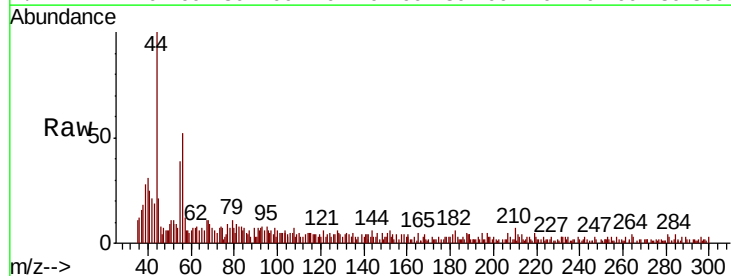
Tot Ion: 59 Resp: 11486
Ion Ratio Lower Upper
59 100
57 10.2 8.1 12.1

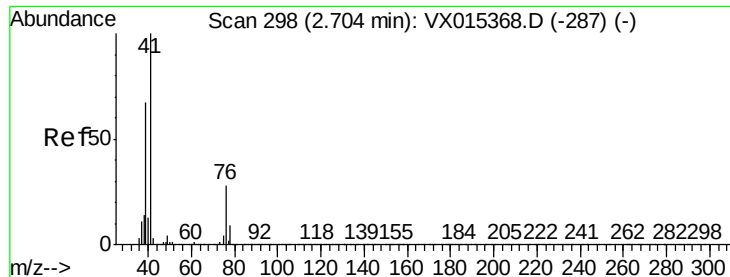


#13

Acrolein
Concen: 2.044 ug/l
RT: 2.27 min Scan# 227
Delta R.T. 0.00 min
Lab File: VX015507.D
Acq: 06 Apr 2020 13:10

Tgt Ion: 56 Resp: 4530
Ion Ratio Lower Upper
56 100
55 43.5 57.0 85.4#

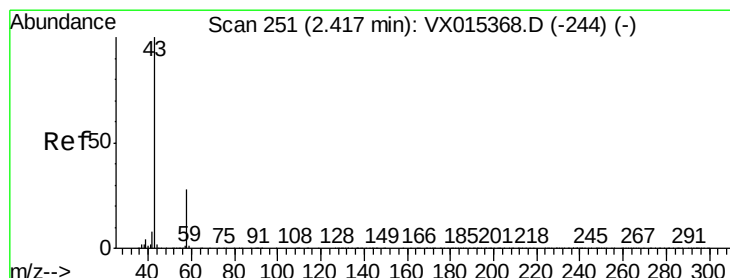
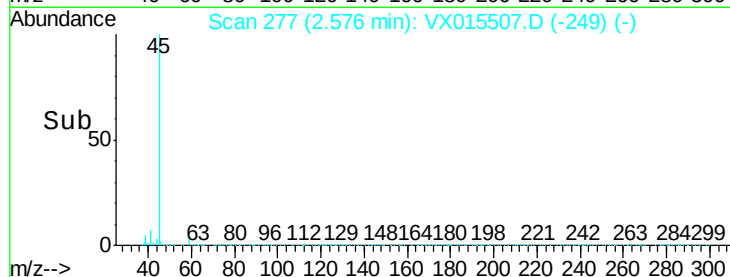
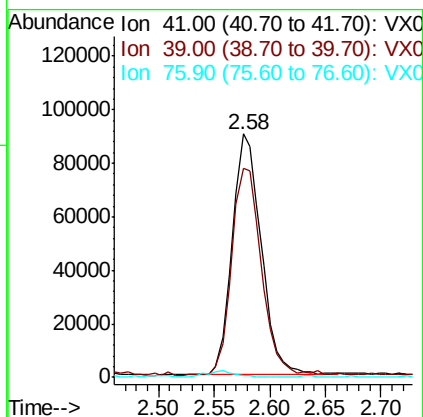
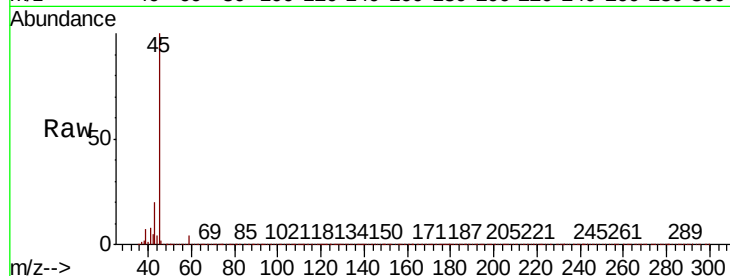




#14
Allvl chloride
Concen: 6.417 ug/l
RT: 2.58 min Scan# 277
Delta R.T. -0.13 min
Lab File: VX015507.D
Acq: 06 Apr 2020 13:10

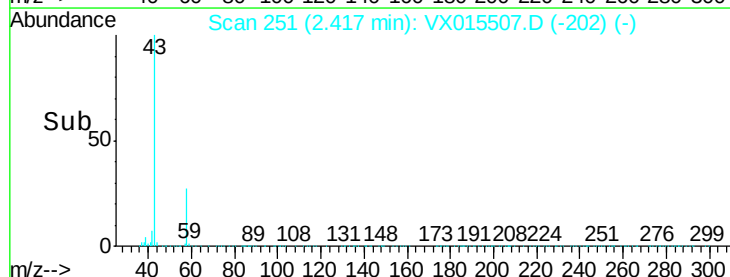
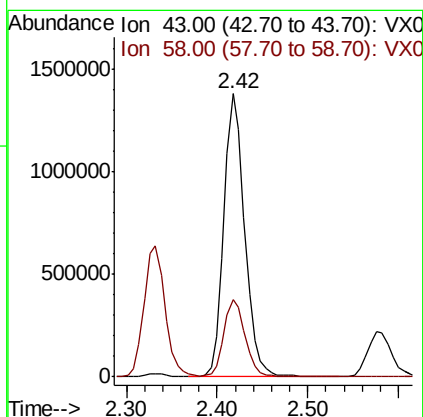
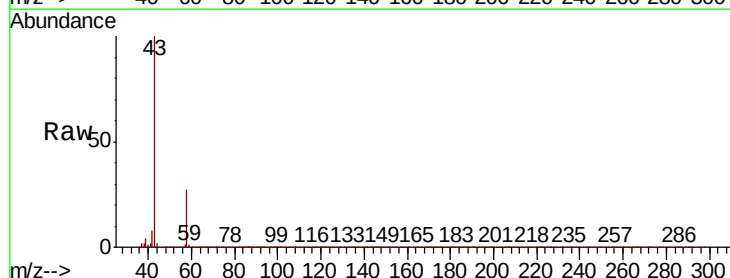
Instrument :
MSVOA_X
ClientSampleId :
317205

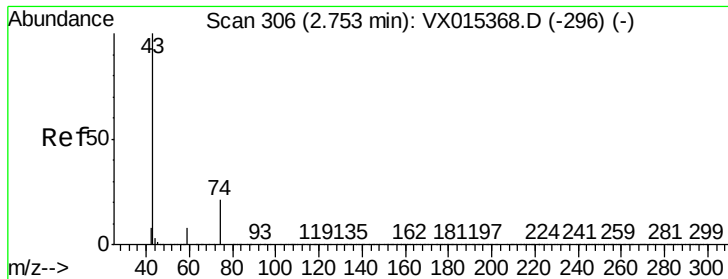
Tot Ion: 41 Resp: 163139
Ion Ratio Lower Upper
41 100
39 89.0 51.4 77.0#
76 2.8 21.8 32.8#



#16
Acetone
Concen: 315.846 ug/l
RT: 2.42 min Scan# 251
Delta R.T. 0.00 min
Lab File: VX015507.D
Acq: 06 Apr 2020 13:10

Tgt Ion: 43 Resp: 2205760
Ion Ratio Lower Upper
43 100
58 27.3 22.1 33.1

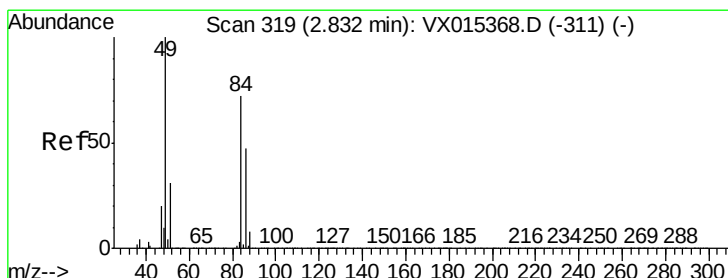
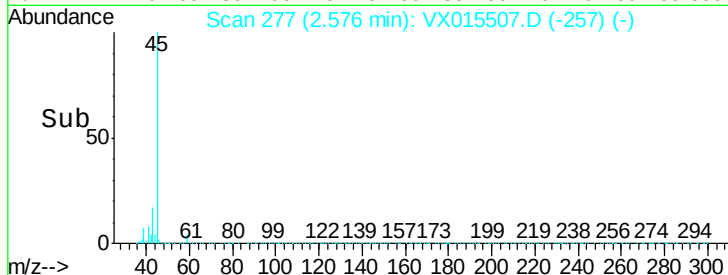
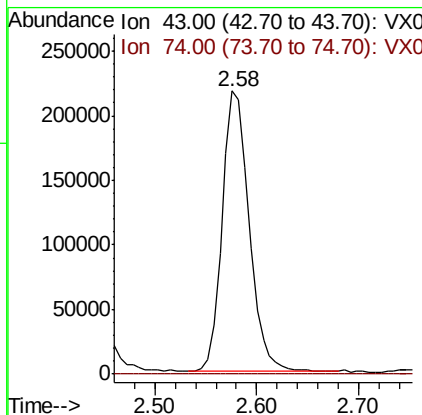
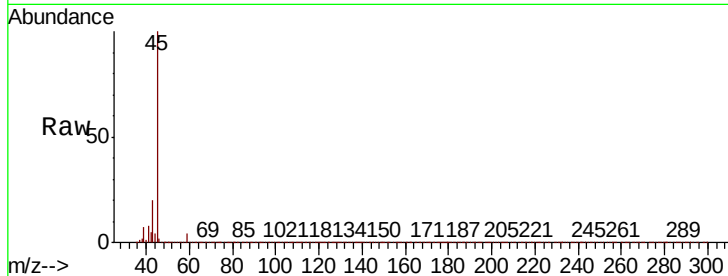




#18
Methyl Acetate
Concen: 22.451 ug/l
RT: 2.58 min Scan# 277
Delta R.T. -0.18 min
Lab File: VX015507.D
Acq: 06 Apr 2020 13:10

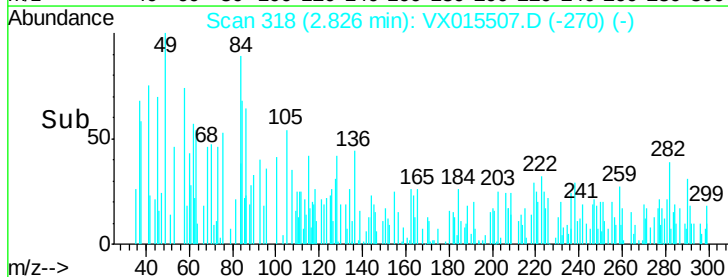
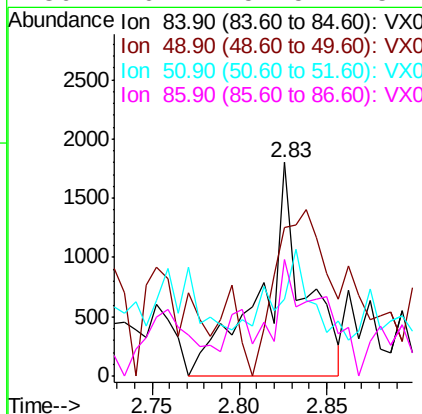
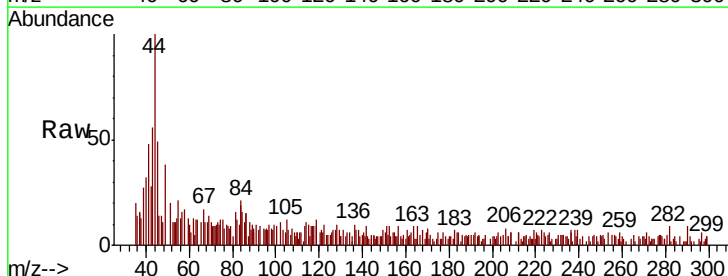
Instrument :
MSVOA_X
ClientSampleId :
317205

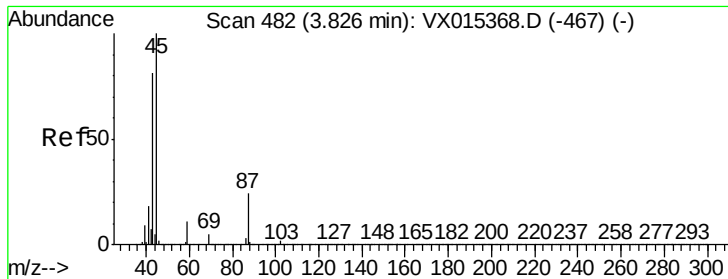
Tot Ion: 43 Resp: 400168
Ion Ratio Lower Upper
43 100
74 0.2 16.5 24.7#



#20
Methylene Chloride
Concen: 0.233 ug/l
RT: 2.83 min Scan# 318
Delta R.T. -0.01 min
Lab File: VX015507.D
Acq: 06 Apr 2020 13:10

Tgt Ion: 84 Resp: 3042
Ion Ratio Lower Upper
84 100
49 37.3 111.3 166.9#
51 11.8 34.0 51.0#
86 40.1 52.5 78.7#





#22

Diisopropyl ether

Concen: 35.336 ug/l

RT: 3.99 min Scan# 509

Delta R.T. 0.16 min

Lab File: VX015507.D

Acq: 06 Apr 2020 13:10

Instrument :

MSVOA_X

ClientSampleId :

317205

Tot Ion: 45 Resp: 1591965

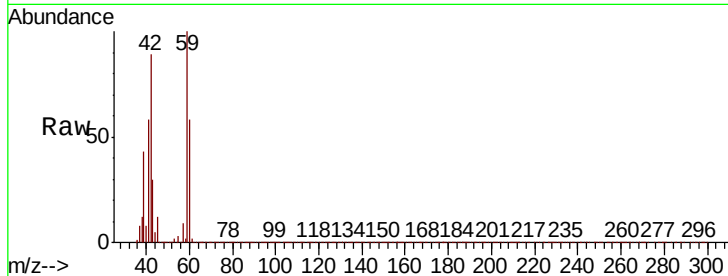
Ion Ratio Lower Upper

45 100

43 242.4 64.7 97.1#

87 0.0 19.4 29.0#

59 814.6 8.7 13.1#

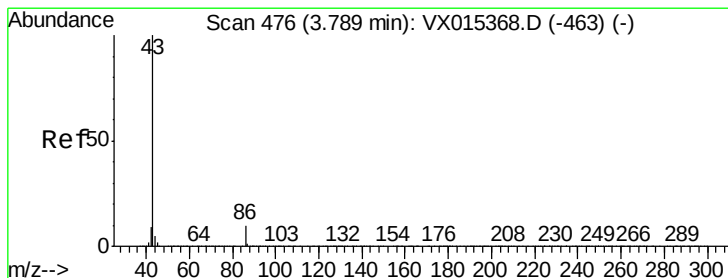
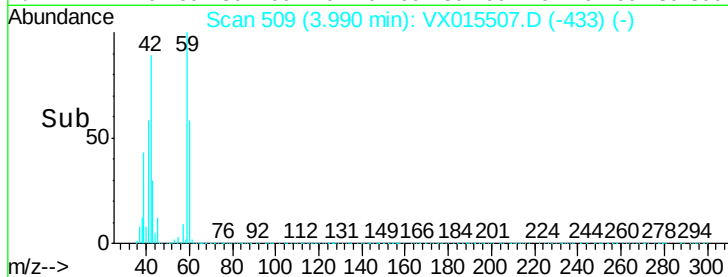
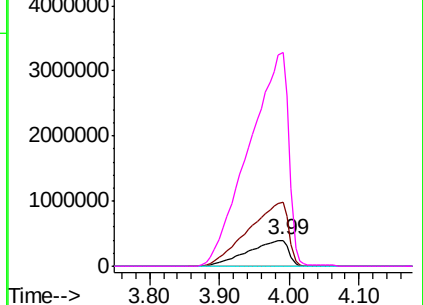


Abundance Ion 45.00 (44.70 to 45.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 87.00 (86.70 to 87.70): VX0

Ion 59.00 (58.70 to 59.70): VX0



#23

Vinyl Acetate

Concen: 96.163 ug/l

RT: 3.99 min Scan# 509

Delta R.T. 0.20 min

Lab File: VX015507.D

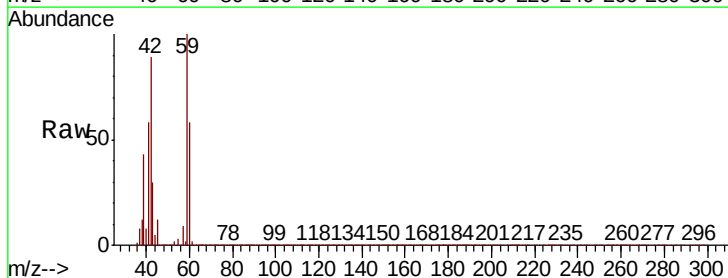
Acq: 06 Apr 2020 13:10

Tgt Ion: 43 Resp: 3922565

Ion Ratio Lower Upper

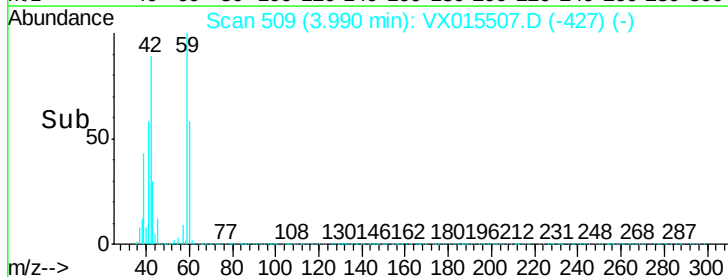
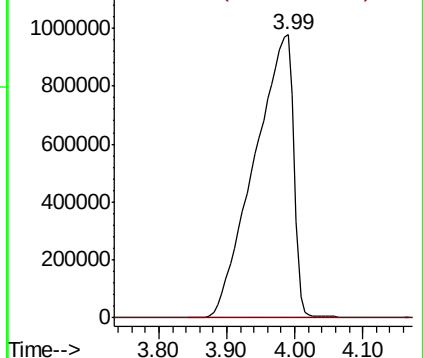
43 100

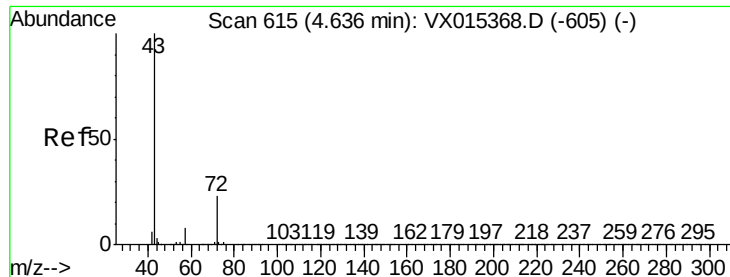
86 0.0 7.8 11.6#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0





#25

2-Butanone

Concen: 4.652 ug/l

RT: 4.65 min Scan# 617

Delta R.T. 0.01 min

Lab File: VX015507.D

Acq: 06 Apr 2020 13:10

Instrument :

MSVOA_X

ClientSampleId :

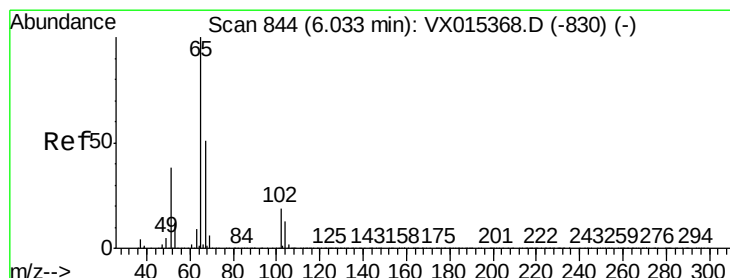
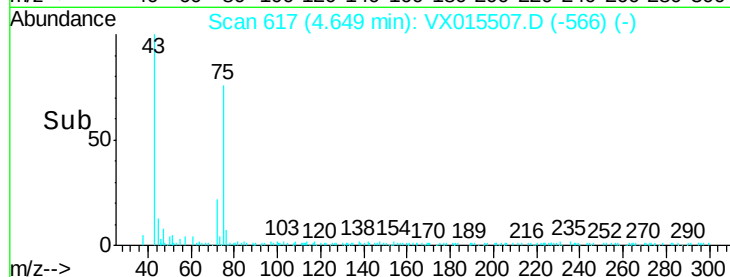
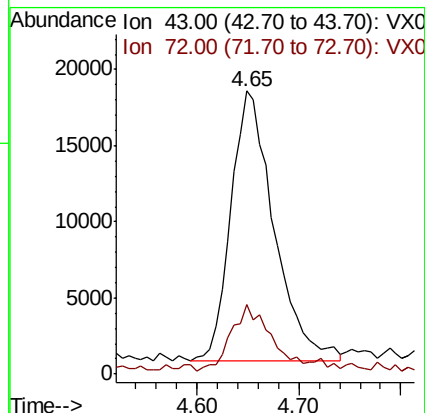
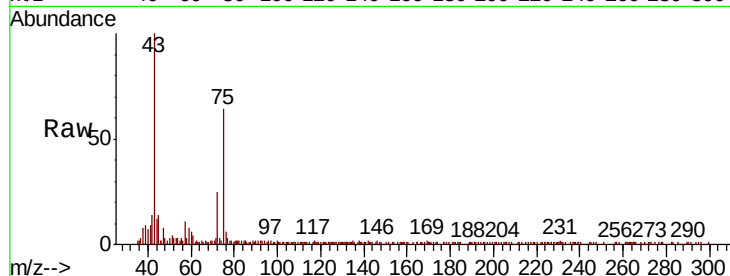
317205

Tot Ion: 43 Resp: 52251

Ion Ratio Lower Upper

43 100

72 23.9 19.0 28.4



#33

1,2-Dichloroethane-d4

Concen: 46.922 ug/l

RT: 6.03 min Scan# 844

Delta R.T. 0.00 min

Lab File: VX015507.D

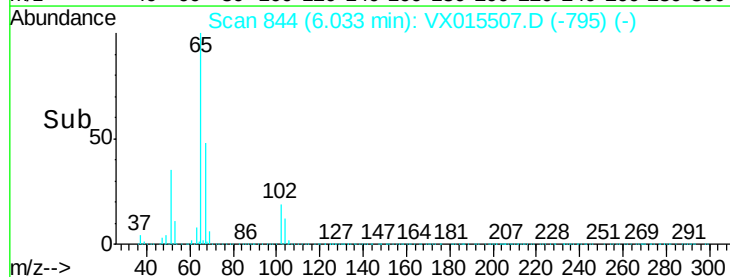
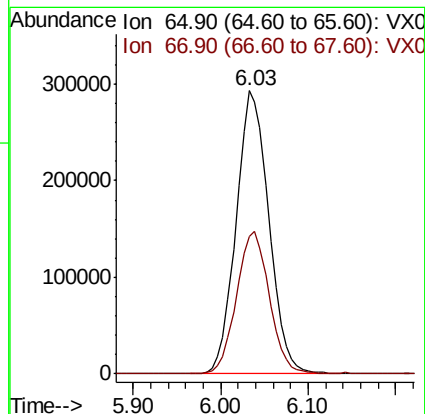
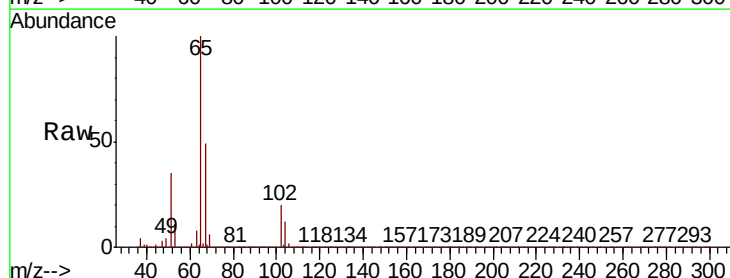
Acq: 06 Apr 2020 13:10

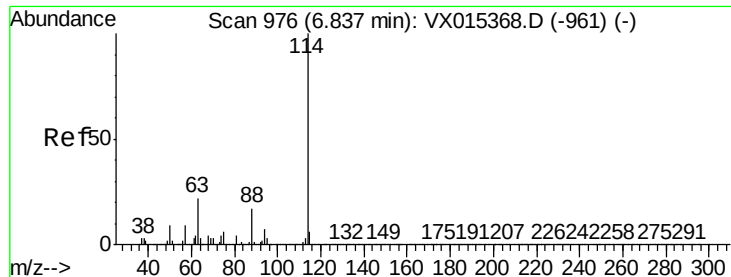
Tgt Ion: 65 Resp: 762730

Ion Ratio Lower Upper

65 100

67 50.2 0.0 102.6

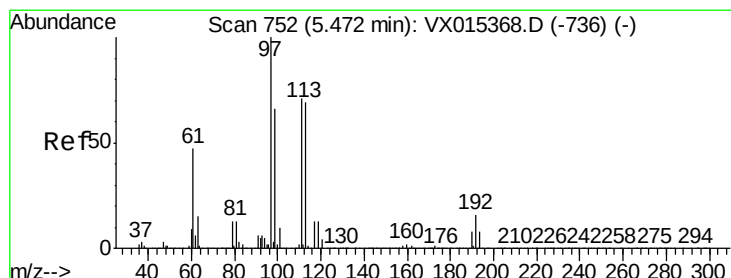
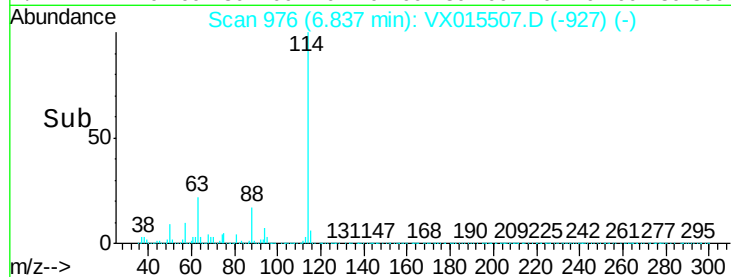
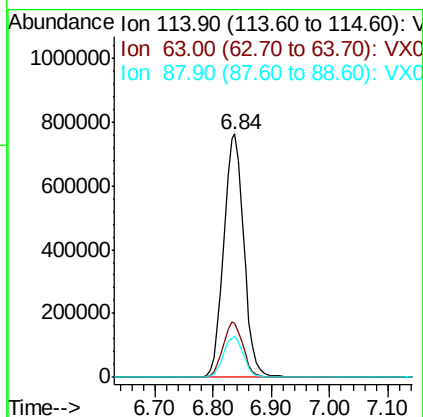
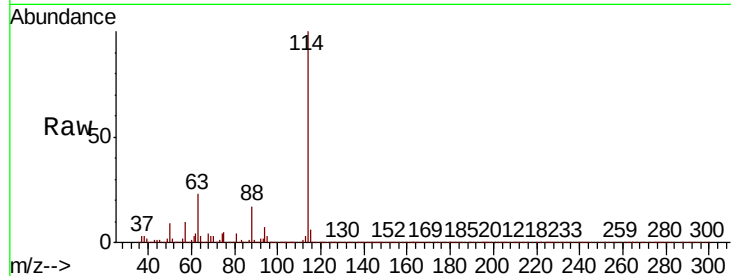




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.84 min Scan# 976
Delta R.T. 0.00 min
Lab File: VX015507.D
Acq: 06 Apr 2020 13:10

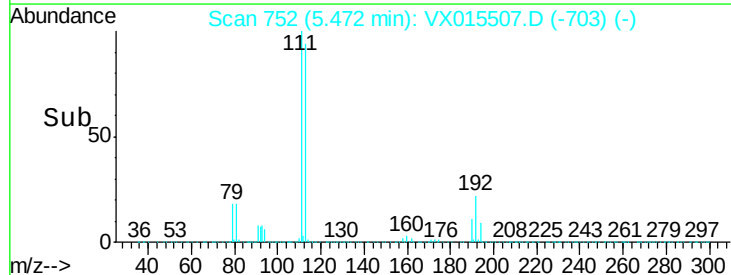
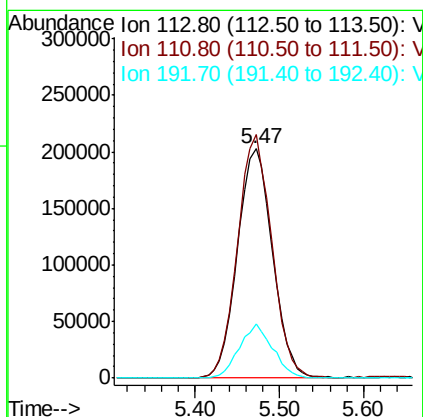
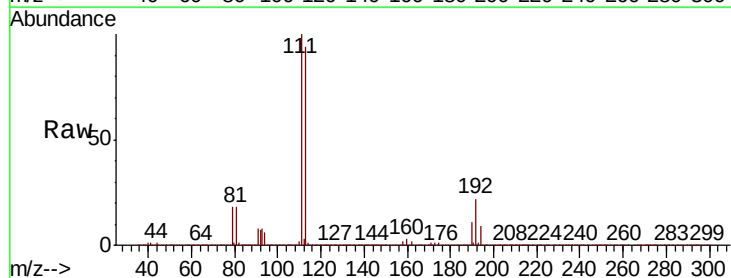
Instrument :
MSVOA_X
ClientSampled :
317205

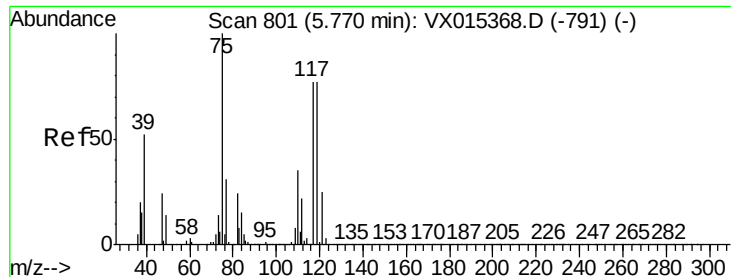
Tot Ion:114 Resp: 1826721
Ion Ratio Lower Upper
114 100
63 22.5 0.0 44.2
88 16.8 0.0 33.8



#35
Dibromofluoromethane
Concen: 48.991 ug/l
RT: 5.47 min Scan# 752
Delta R.T. 0.00 min
Lab File: VX015507.D
Acq: 06 Apr 2020 13:10

Tgt Ion:113 Resp: 572068
Ion Ratio Lower Upper
113 100
111 102.9 81.5 122.3
192 22.3 17.8 26.6

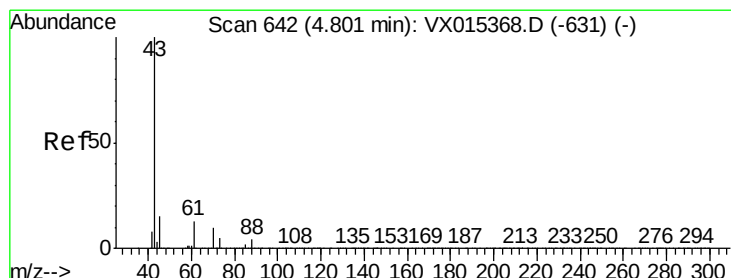
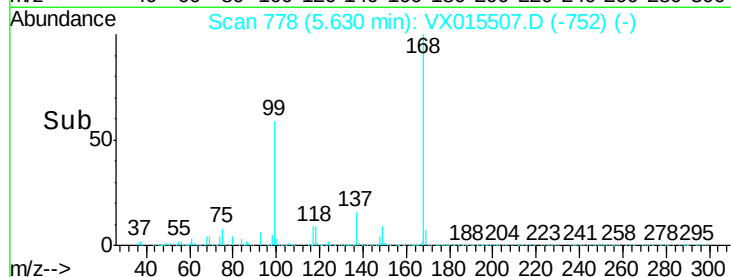
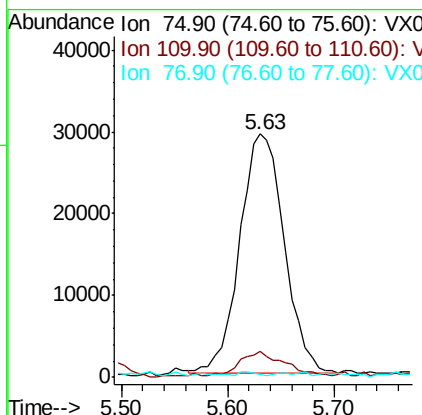
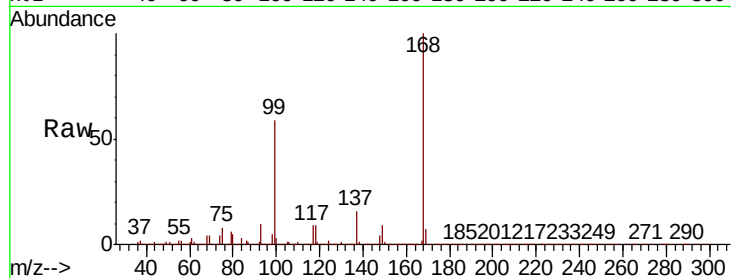




#36
 1,1-Dichloropropene
 Concen: 5.036 ug/l
 RT: 5.63 min Scan# 778
 Delta R.T. -0.14 min
 Lab File: VX015507.D
 Acq: 06 Apr 2020 13:10

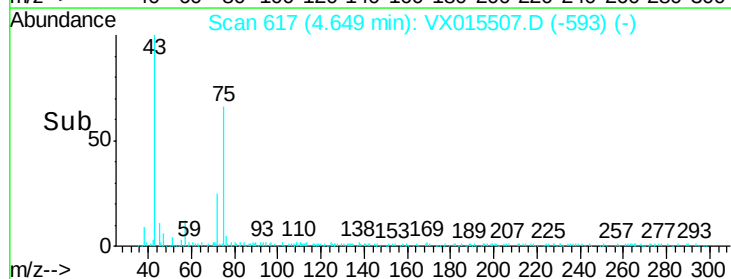
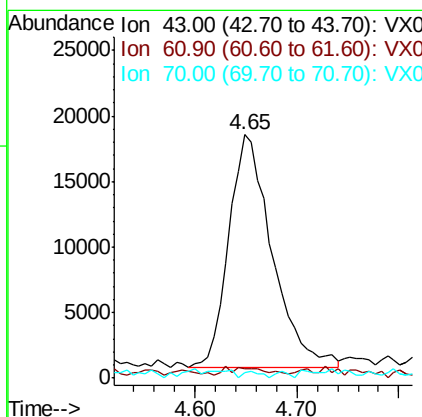
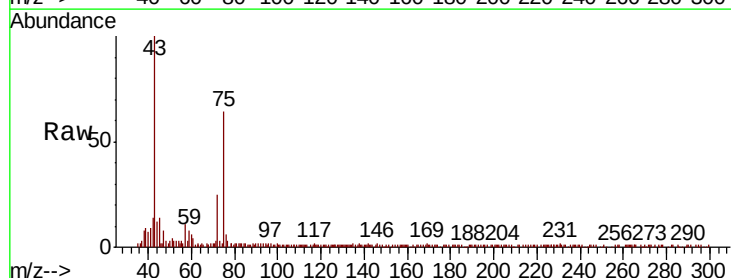
Instrument :
 MSVOA_X
 ClientSampleId :
 317205

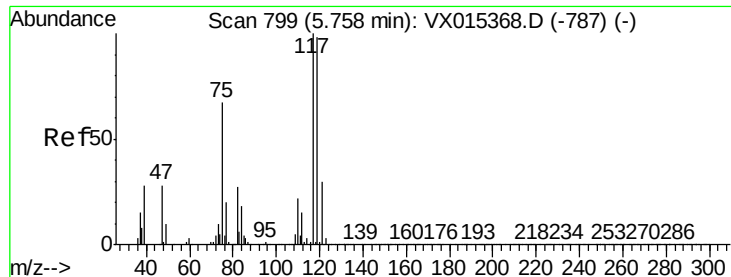
Tot Ion	Ratio	Lower	Upper
75	100		
110	10.6	17.1	51.3#
77	0.6	24.6	36.8#



#37
 Ethyl Acetate
 Concen: 2.384 ug/l
 RT: 4.65 min Scan# 617
 Delta R.T. -0.15 min
 Lab File: VX015507.D
 Acq: 06 Apr 2020 13:10

Tgt Ion	Ratio	Lower	Upper
43	100		
61	0.0	9.9	14.9#
70	1.1	8.1	12.1#





#38

Carbon Tetrachloride

Concen: 6.131 ug/l

RT: 5.64 min Scan# 779

Delta R.T. -0.12 min

Lab File: VX015507.D

Acq: 06 Apr 2020 13:10

Instrument :

MSVOA_X

ClientSampled :

317205

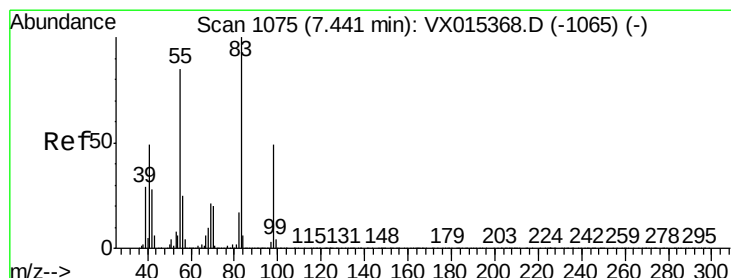
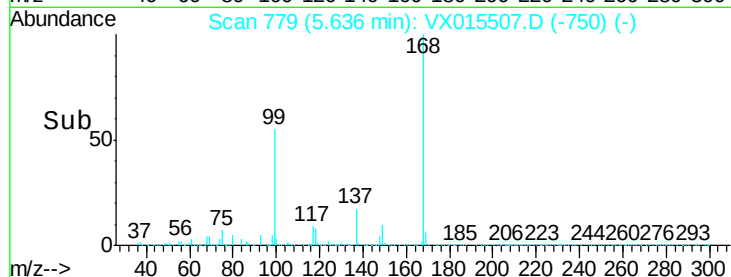
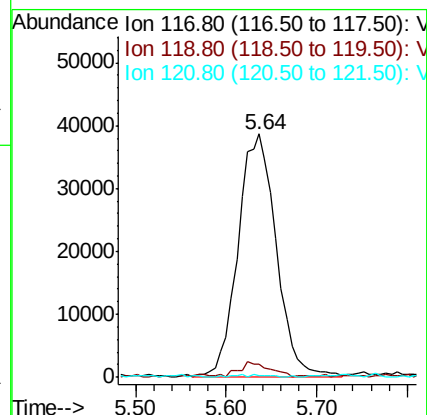
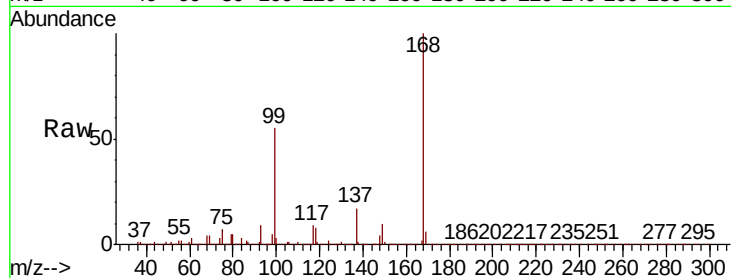
Tot Ion:117 Resp: 111759

Ion Ratio Lower Upper

117 100

119 4.7 78.0 117.0#

121 0.0 23.8 35.8#



#39

Methylcyclohexane

Concen: 0.330 ug/l

RT: 7.43 min Scan# 1074

Delta R.T. -0.01 min

Lab File: VX015507.D

Acq: 06 Apr 2020 13:10

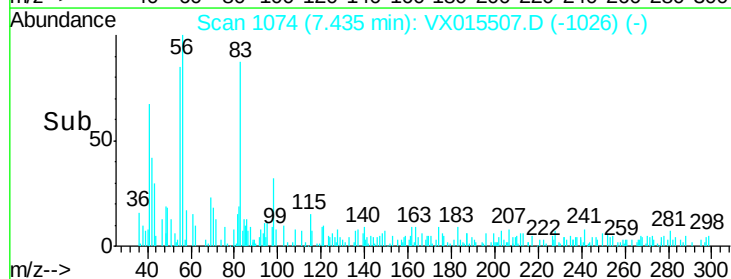
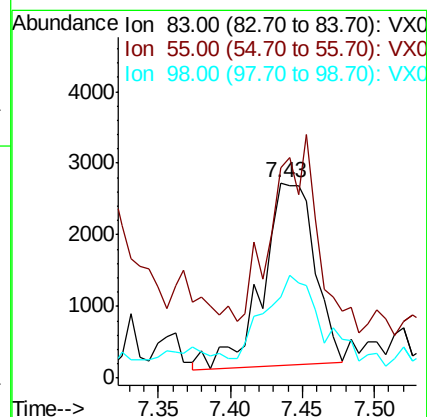
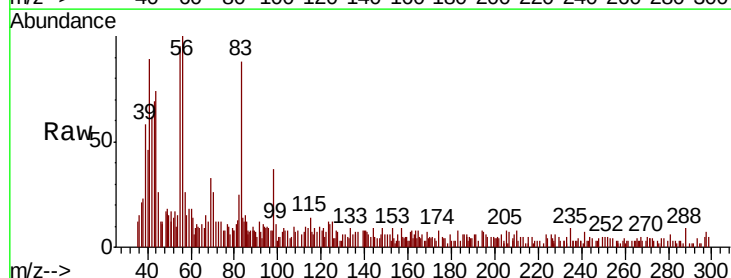
Tgt Ion: 83 Resp: 6405

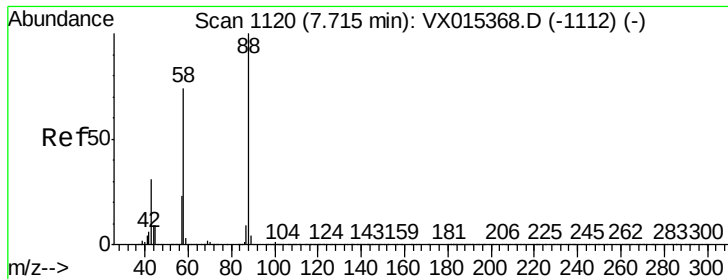
Ion Ratio Lower Upper

83 100

55 80.2 67.8 101.6

98 27.6 39.3 58.9#





#49

1,4-Dioxane

Concen: 1.413 ug/l

RT: 7.73 min Scan# 1122

Delta R.T. 0.01 min

Lab File: VX015507.D

Acq: 06 Apr 2020 13:10

Instrument :

MSVOA_X

ClientSampled :

317205

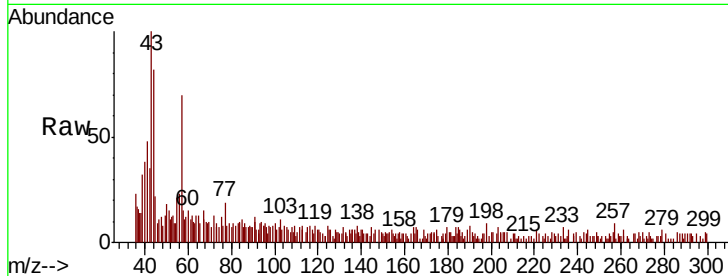
Tot Ion: 88 Resp: 487

Ion Ratio Lower Upper

88 100

43 0.0 30.1 45.1#

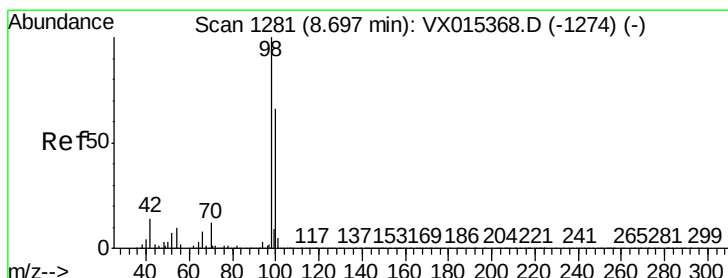
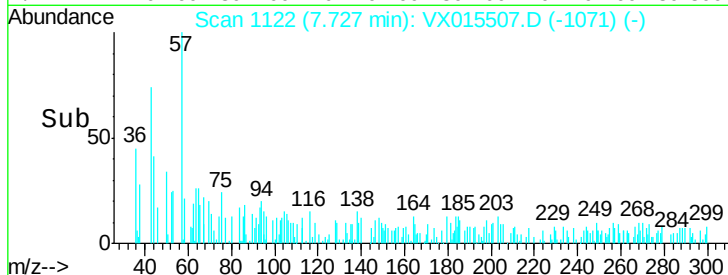
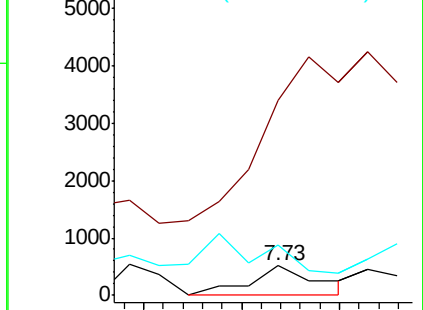
58 118.3 60.6 90.8#



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: 51.984 ug/l

RT: 8.70 min Scan# 1281

Delta R.T. 0.00 min

Lab File: VX015507.D

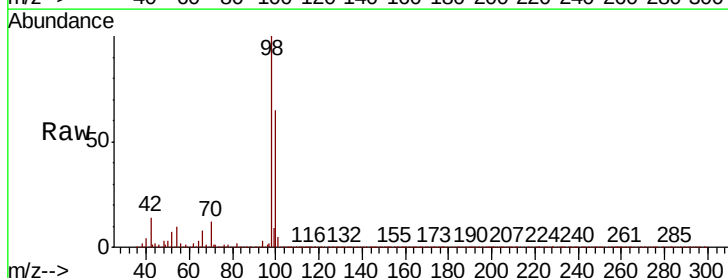
Acq: 06 Apr 2020 13:10

Tgt Ion: 98 Resp: 2234838

Ion Ratio Lower Upper

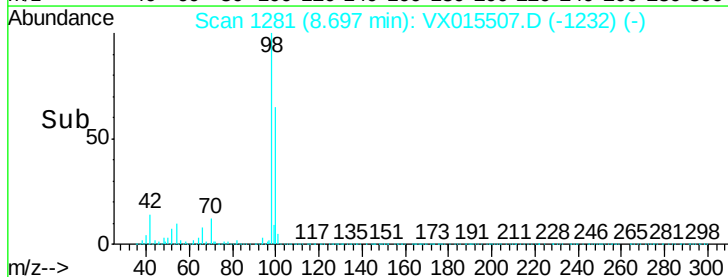
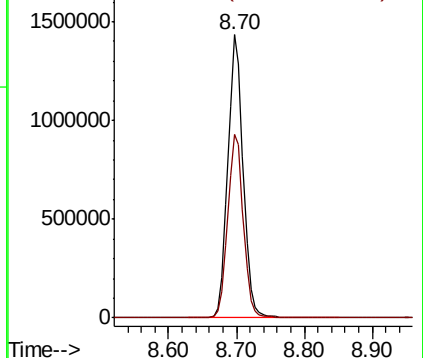
98 100

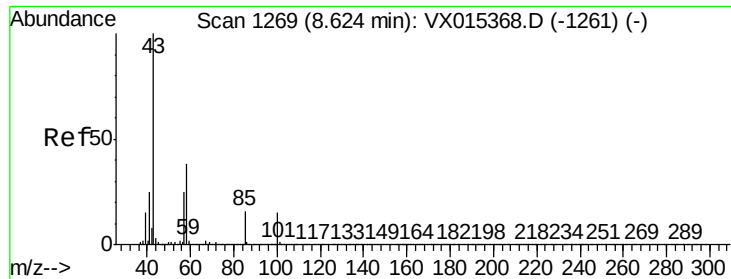
100 66.4 53.5 80.3



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: 0.426 ug/l

RT: 8.62 min Scan# 1269

Delta R.T. 0.00 min

Lab File: VX015507.D

Acq: 06 Apr 2020 13:10

Instrument :

MSVOA_X

ClientSampleId :

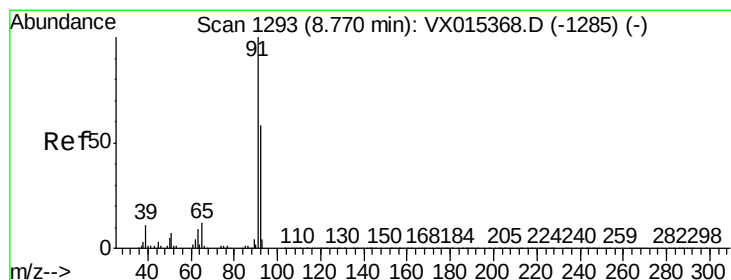
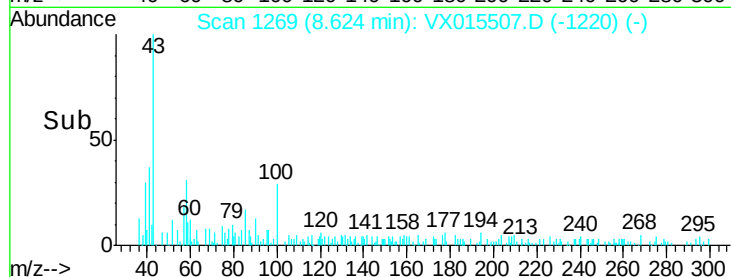
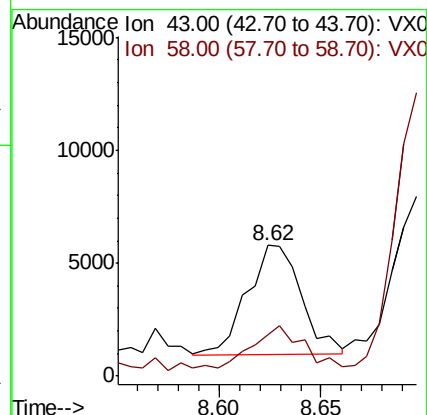
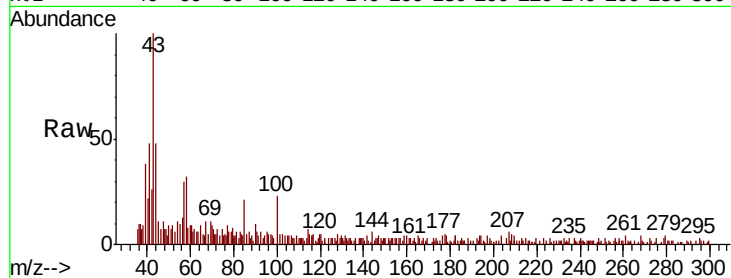
317205

Tot Ion: 43 Resp: 8936

Ion Ratio Lower Upper

43 100

58 36.8 29.7 44.5



#52

Toluene

Concen: 7.134 ug/l

RT: 8.77 min Scan# 1293

Delta R.T. 0.00 min

Lab File: VX015507.D

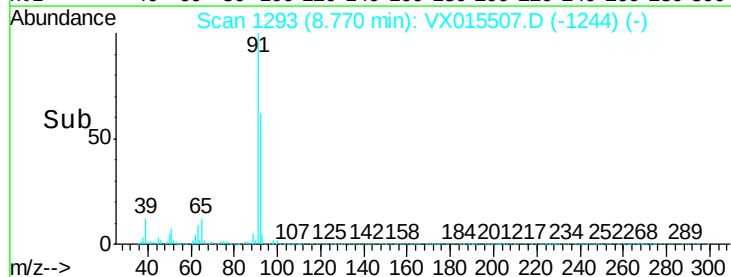
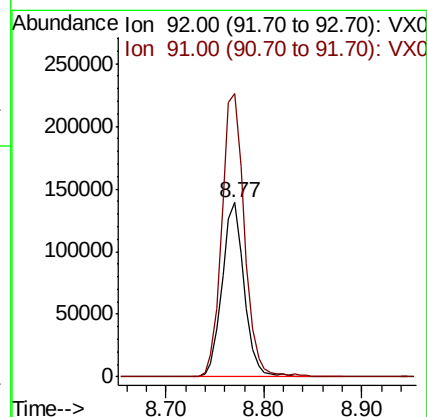
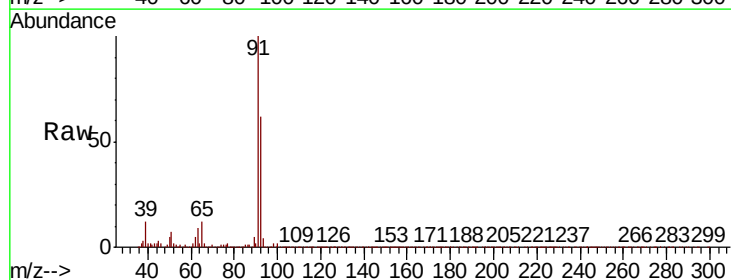
Acq: 06 Apr 2020 13:10

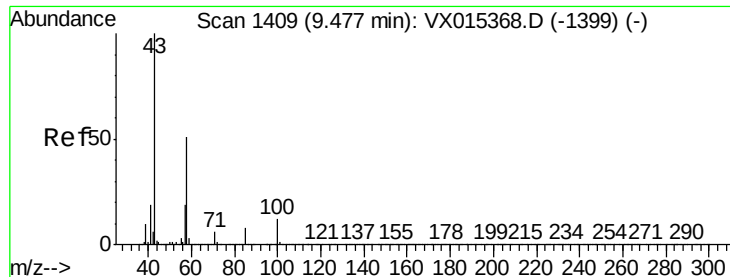
Tgt Ion: 92 Resp: 216865

Ion Ratio Lower Upper

92 100

91 168.5 136.6 205.0

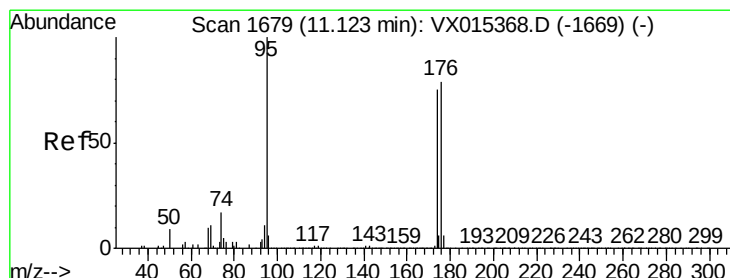
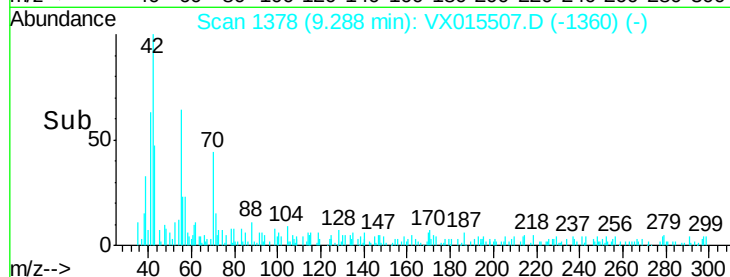
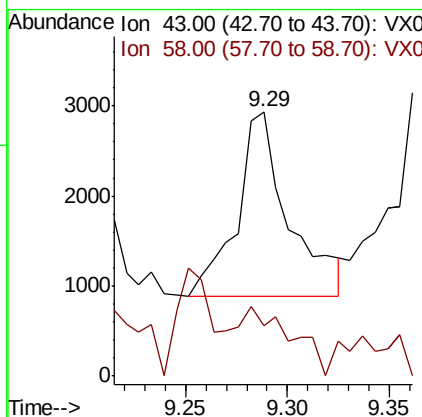
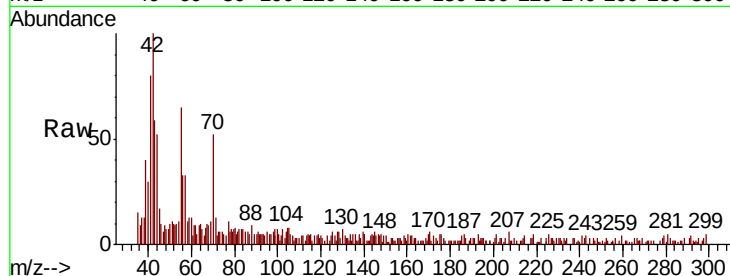




#59
2-Hexanone
Concen: 0.227 ug/l
RT: 9.29 min Scan# 1378
Delta R.T. -0.19 min
Lab File: VX015507.D
Acq: 06 Apr 2020 13:10

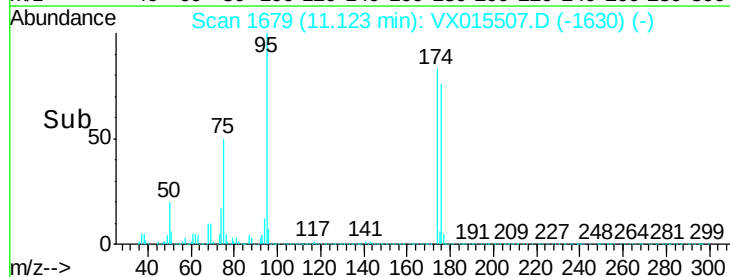
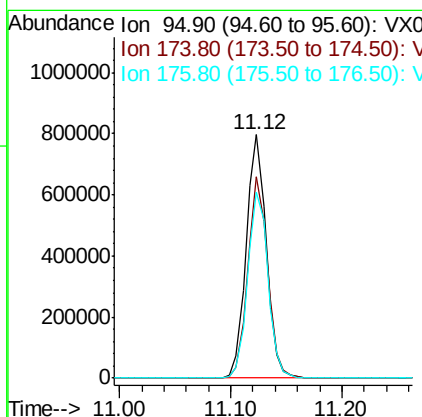
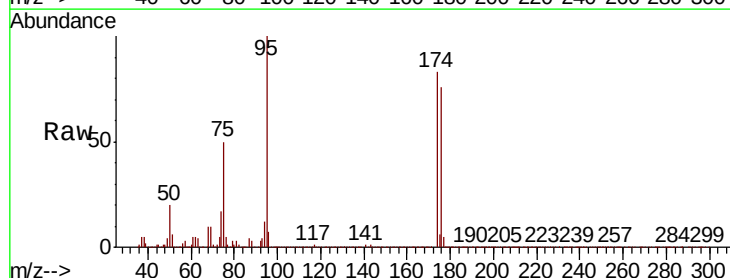
Instrument :
MSVOA_X
ClientSampleId :
317205

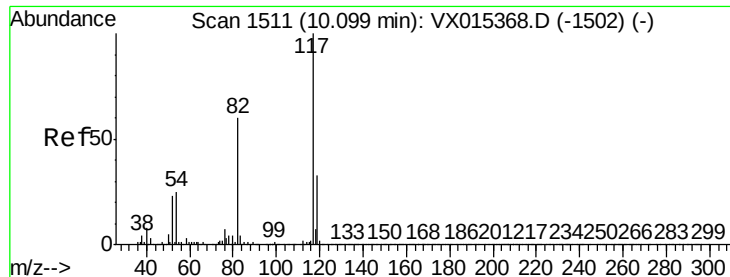
Tot Ion: 43 Resp: 3588
Ion Ratio Lower Upper
43 100
58 38.6 25.6 76.6



#62
4-Bromofluorobenzene
Concen: 56.909 ug/l
RT: 11.12 min Scan# 1679
Delta R.T. 0.00 min
Lab File: VX015507.D
Acq: 06 Apr 2020 13:10

Tgt Ion: 95 Resp: 994302
Ion Ratio Lower Upper
95 100
174 82.0 0.0 158.6
176 77.6 0.0 159.0

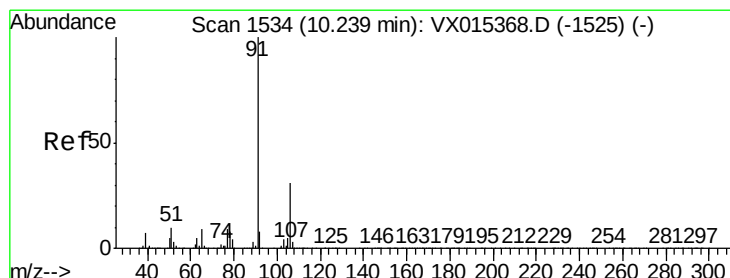
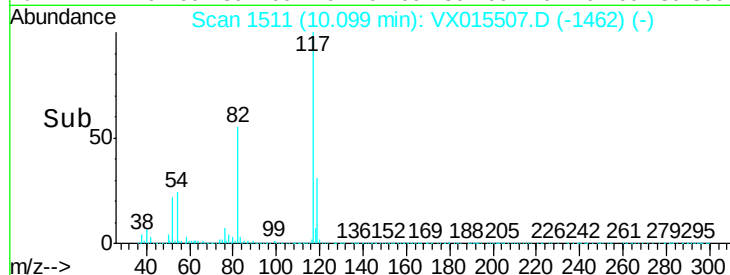
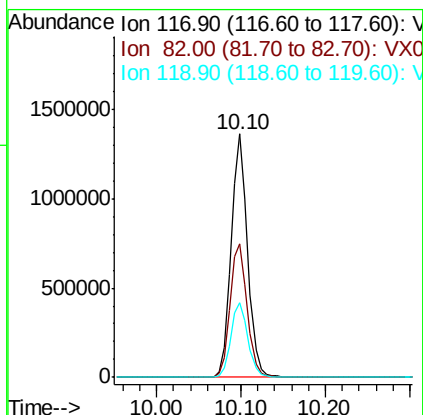
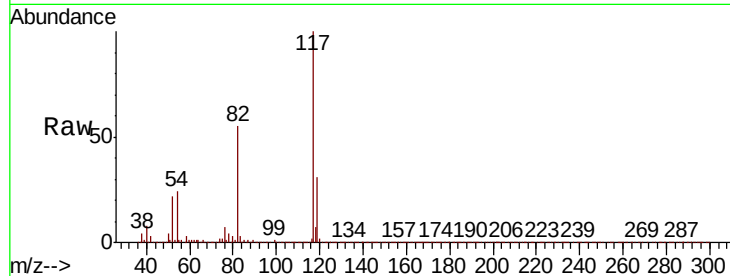




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1511
Delta R.T. 0.00 min
Lab File: VX015507.D
Acq: 06 Apr 2020 13:10

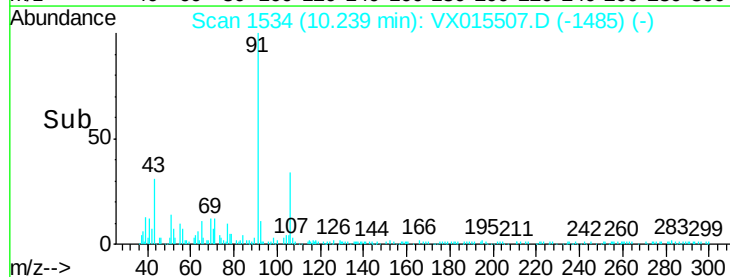
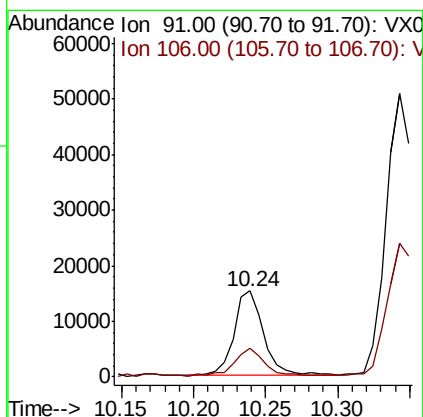
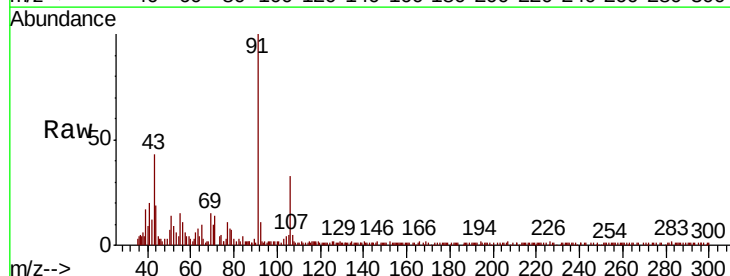
Instrument :
MSVOA_X
ClientSampleId :
317205

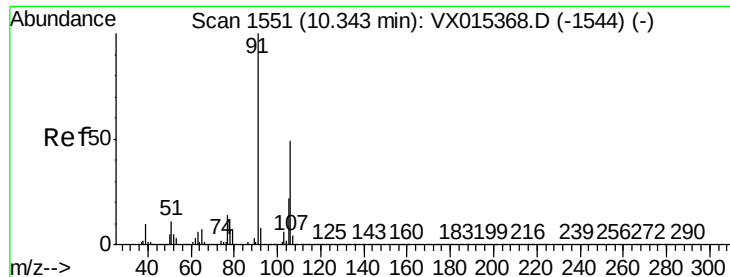
Tot Ion:117 Resp: 1812291
Ion Ratio Lower Upper
117 100
82 55.0 47.8 71.8
119 30.8 26.8 40.2



#67
Ethyl Benzene
Concen: 0.340 ug/l
RT: 10.24 min Scan# 1534
Delta R.T. 0.00 min
Lab File: VX015507.D
Acq: 06 Apr 2020 13:10

Tgt Ion: 91 Resp: 21809
Ion Ratio Lower Upper
91 100
106 32.5 24.8 37.2





#68

m/p-Xylenes

Concen: 1.397 ug/l

RT: 10.34 min Scan# 1551

Delta R.T. 0.00 min

Lab File: VX015507.D

Acq: 06 Apr 2020 13:10

Instrument :

MSVOA_X

ClientSampleId :

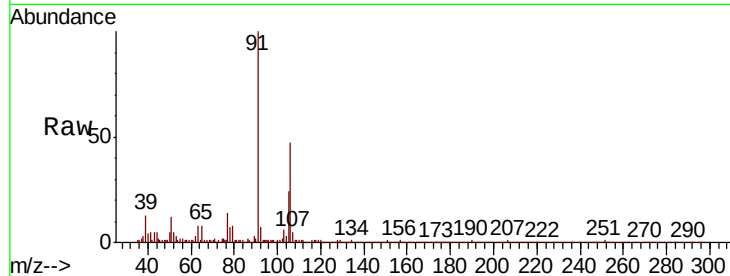
317205

Tot Ion:106 Resp: 33355

Ion Ratio Lower Upper

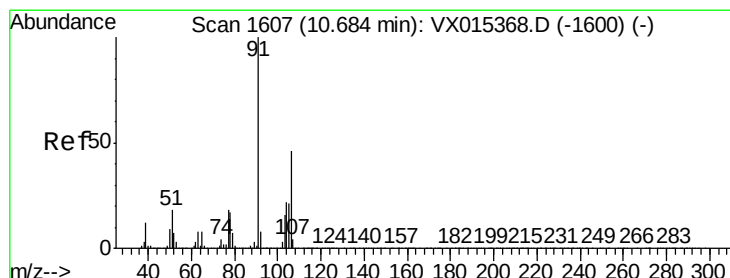
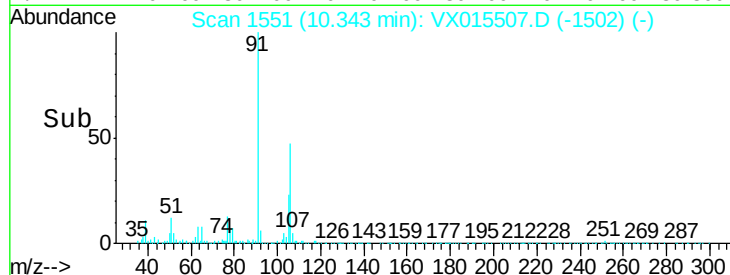
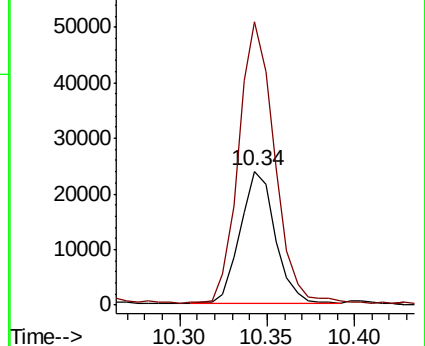
106 100

91 215.6 163.4 245.0



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0



#69

o-Xylene

Concen: 0.582 ug/l

RT: 10.68 min Scan# 1607

Delta R.T. 0.00 min

Lab File: VX015507.D

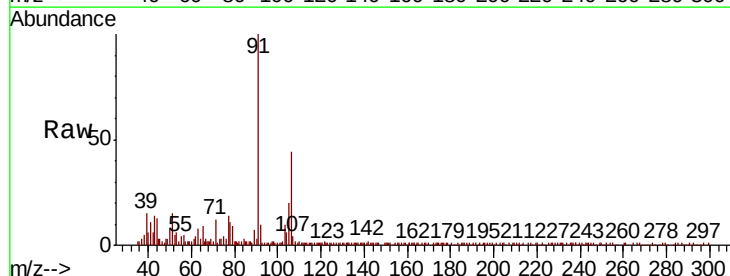
Acq: 06 Apr 2020 13:10

Tgt Ion:106 Resp: 13733

Ion Ratio Lower Upper

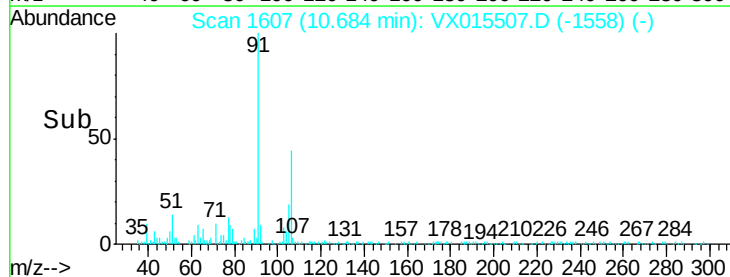
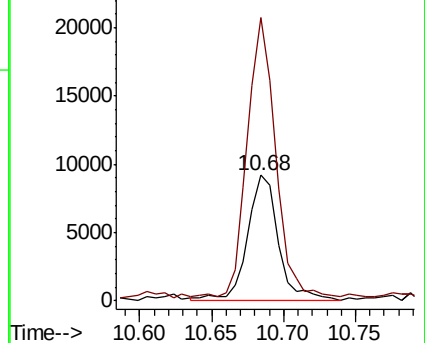
106 100

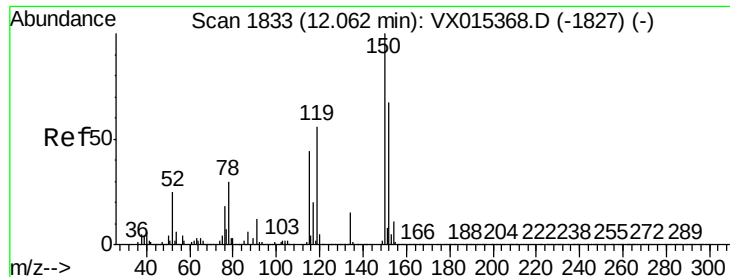
91 200.1 107.1 321.3



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0

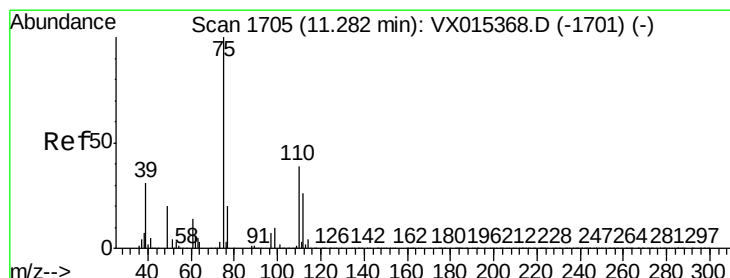
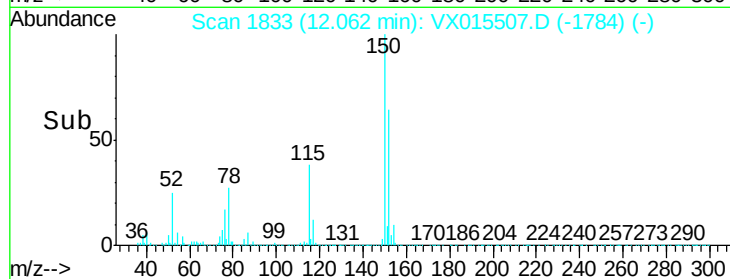
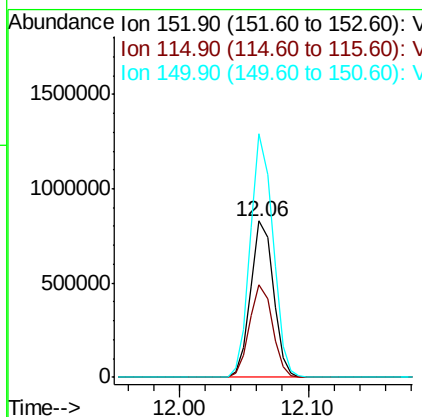
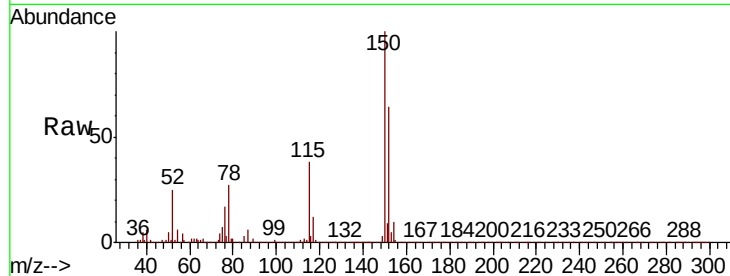




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.06 min Scan# 1833
 Delta R.T. 0.00 min
 Lab File: VX015507.D
 Acq: 06 Apr 2020 13:10

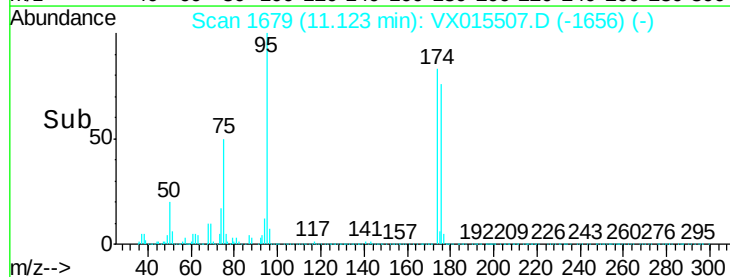
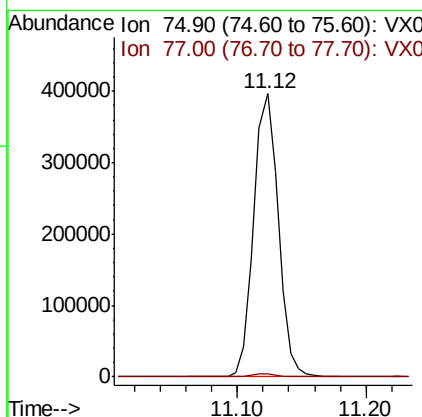
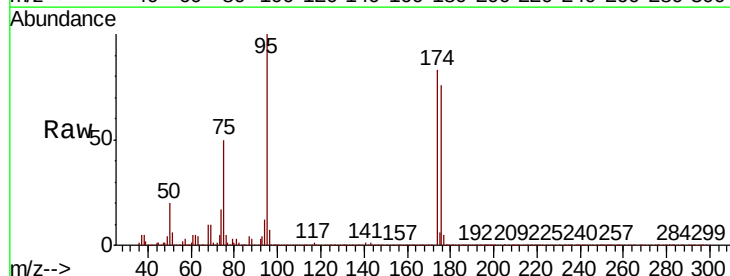
Instrument :
 MSVOA_X
 ClientSampleId :
 317205

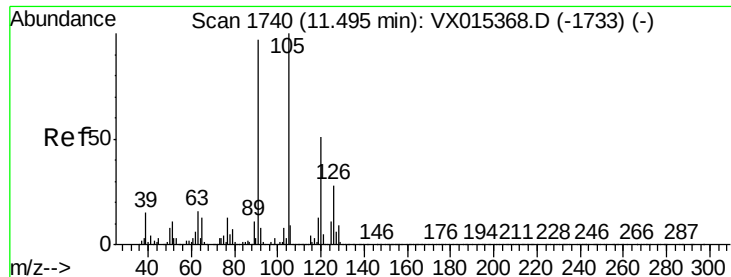
Tot Ion:152 Resp: 1007887
 Ion Ratio Lower Upper
 152 100
 115 59.5 39.0 116.9
 150 155.3 0.0 340.8



#76
 1,2,3-Trichloropropane
 Concen: 25.003 ug/l
 RT: 11.12 min Scan# 1679
 Delta R.T. -0.16 min
 Lab File: VX015507.D
 Acq: 06 Apr 2020 13:10

Tgt Ion: 75 Resp: 518230
 Ion Ratio Lower Upper
 75 100
 77 1.1 21.2 63.6#





#80

1,3,5-Trimethylbenzene

Concen: 0.299 ug/l

RT: 11.49 min Scan# 1739

Delta R.T. -0.01 min

Lab File: VX015507.D

Acq: 06 Apr 2020 13:10

Instrument :

MSVOA_X

ClientSampleId :

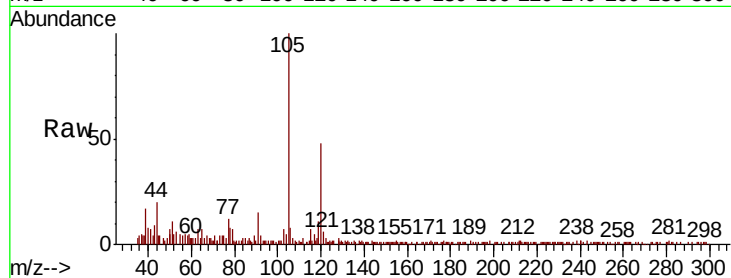
317205

Tot Ion:105 Resp: 16850

Ion Ratio Lower Upper

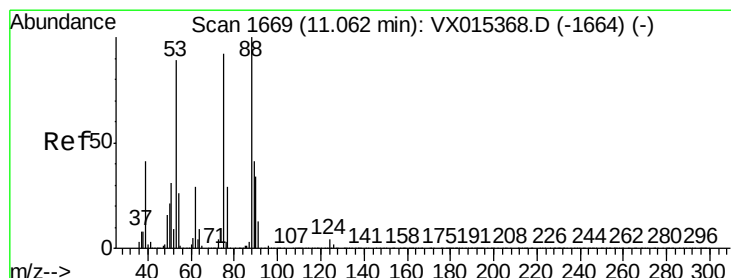
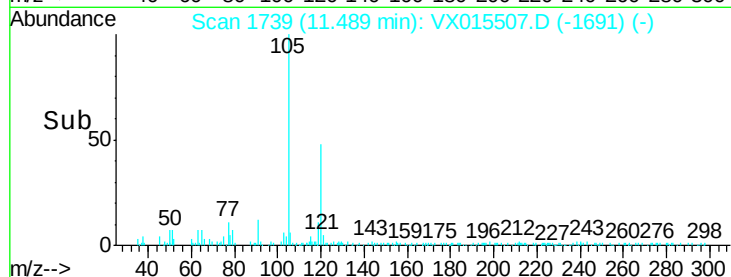
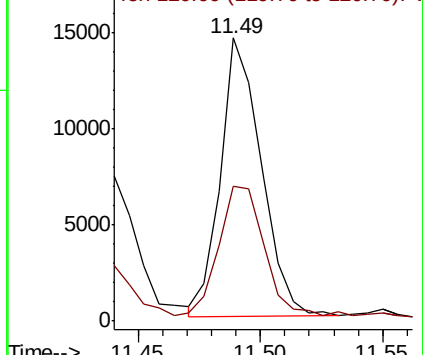
105 100

120 51.9 24.8 74.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#81

trans-1,4-Dichloro-2-butene

Concen: 59.995 ug/l

RT: 11.12 min Scan# 1679

Delta R.T. 0.06 min

Lab File: VX015507.D

Acq: 06 Apr 2020 13:10

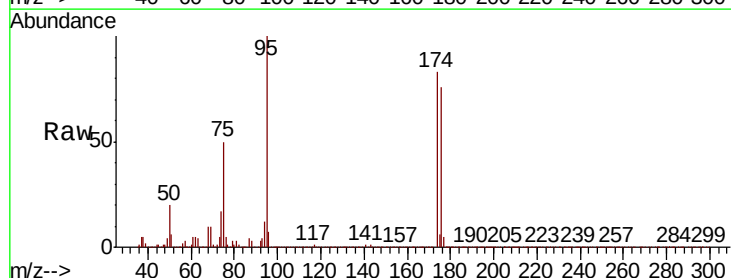
Tgt Ion: 75 Resp: 518230

Ion Ratio Lower Upper

75 100

53 0.1 80.1 120.1#

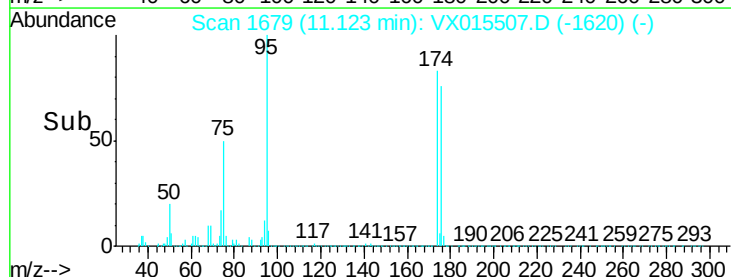
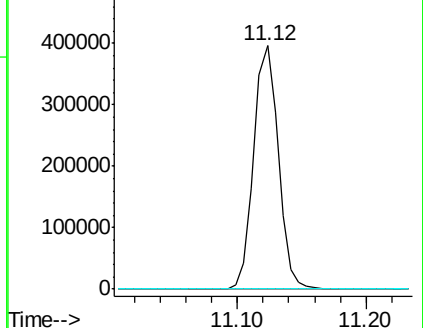
89 0.1 36.1 54.1#

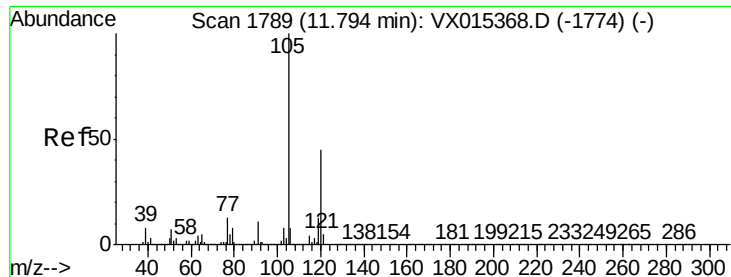


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0





#84

1,2,4-Trimethylbenzene

Concen: 0.671 ug/l

RT: 11.79 min Scan# 1789

Delta R.T. 0.00 min

Lab File: VX015507.D

Acq: 06 Apr 2020 13:10

Instrument :

MSVOA_X

ClientSampleId :

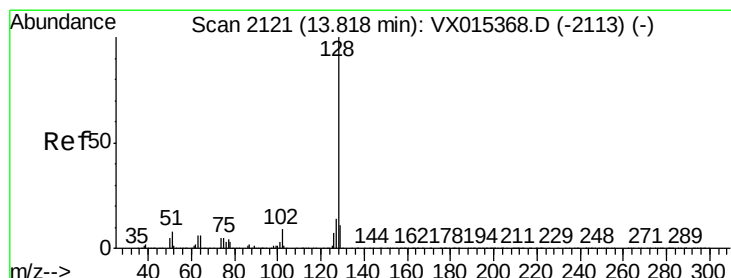
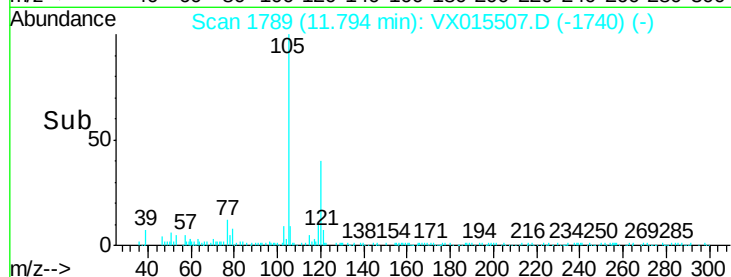
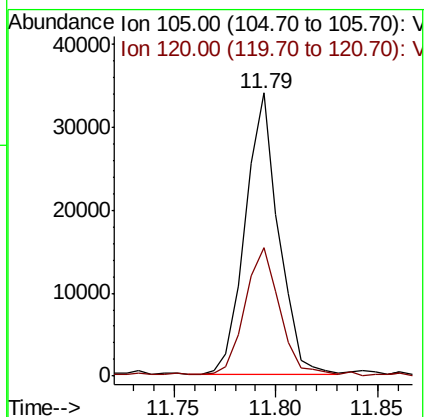
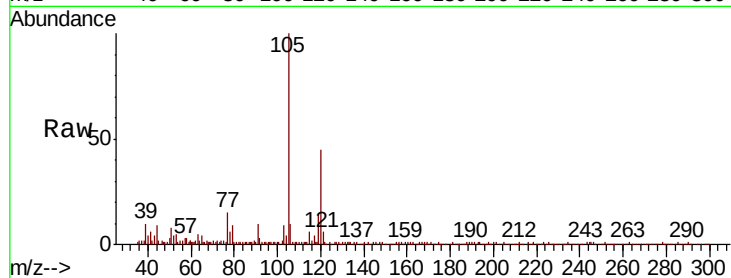
317205

Tot Ion:105 Resp: 38550

Ion Ratio Lower Upper

105 100

120 46.9 22.7 68.1



#95

Naphthalene

Concen: 0.778 ug/l

RT: 13.82 min Scan# 2121

Delta R.T. 0.00 min

Lab File: VX015507.D

Acq: 06 Apr 2020 13:10

Tgt Ion:128 Resp: 57929

Ion Ratio Lower Upper

128 100

127 13.4 10.6 15.8

129 12.4 8.8 13.2

