

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX033120\
 Data File : VX015455.D
 Acq On : 31 Mar 2020 15:42
 Operator : JC/SP
 Sample : PB127897ZHE#10
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Apr 01 07:33:04 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	1143053	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	1850605	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	1788323	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	941776	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	776539	48.17	ug/l	0.00
Spiked Amount			Recovery	=	96.34%	
35) Dibromofluoromethane	5.47	113	591683	50.02	ug/l	0.00
Spiked Amount			Recovery	=	100.04%	
50) Toluene-d8	8.70	98	2232261	51.25	ug/l	0.00
Spiked Amount			Recovery	=	102.50%	
62) 4-Bromofluorobenzene	11.12	95	966249	54.59	ug/l	0.00
Spiked Amount			Recovery	=	109.18%	

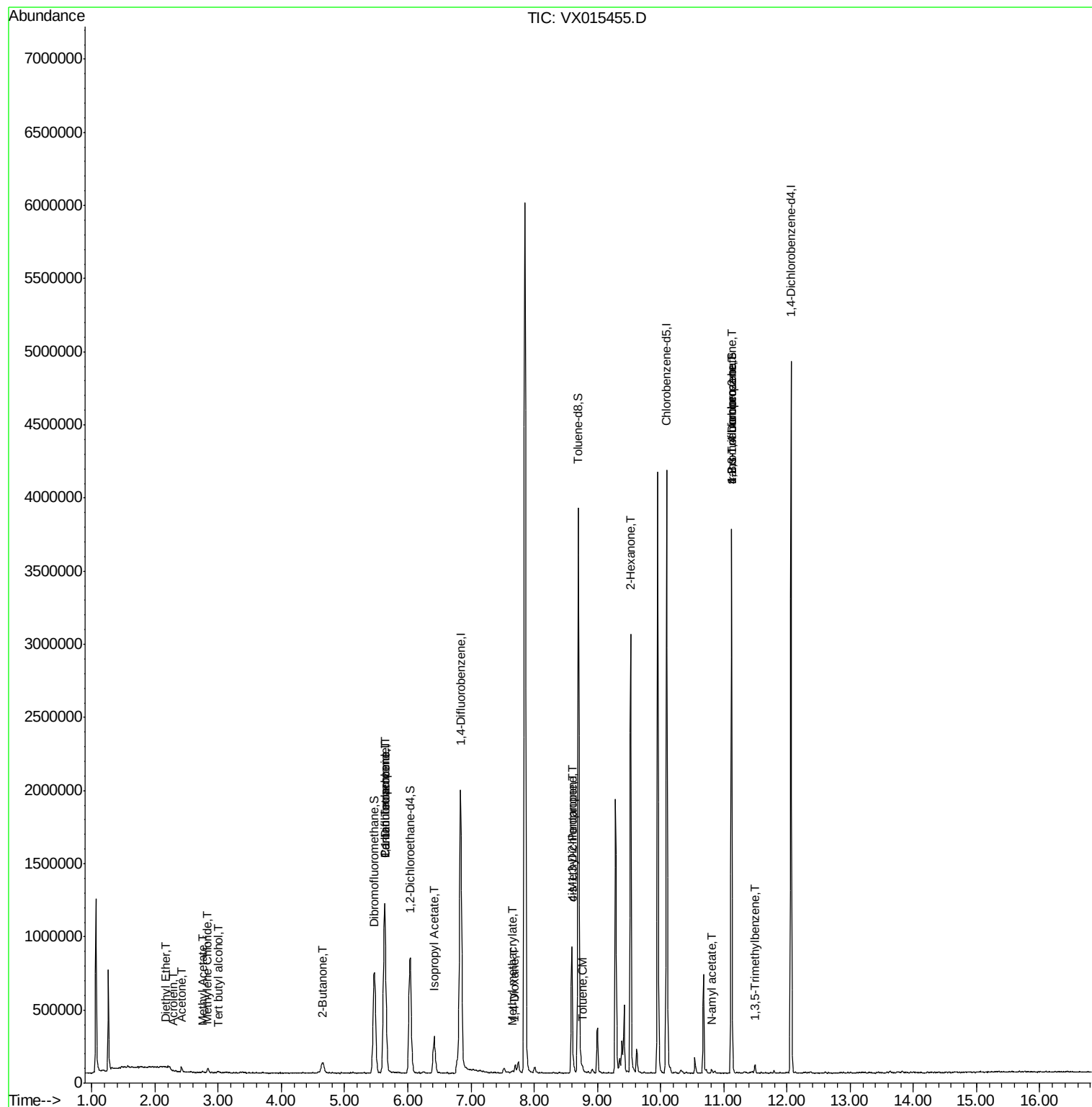
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.61	94	321	Below Cal	#	3
8) Diethyl Ether	2.17	74	1477	0.222	ug/l	70
11) Tert butyl alcohol	3.00	59	9818	2.544	ug/l #	86
13) Acrolein	2.28	56	676	0.308	ug/l #	14
16) Acetone	2.42	43	41118	5.937	ug/l	96
18) Methyl Acetate	2.75	43	12607	0.713	ug/l #	78
20) Methylene Chloride	2.84	84	13883	1.073	ug/l	97
25) 2-Butanone	4.65	43	22177	1.991	ug/l #	90
36) 1,1-Dichloropropene	5.64	75	83439	4.893	ug/l #	54
38) Carbon Tetrachloride	5.63	117	111534	6.039	ug/l #	14
43) Isopropyl Acetate	6.42	43	355133	9.475	ug/l	100
48) Methyl methacrylate	7.65	41	19988	1.068	ug/l #	21
49) 1,4-Dioxane	7.68	88	391	1.120	ug/l #	1
51) 4-Methyl-2-Pentanone	8.60	43	340502	16.031	ug/l #	47
52) Toluene	8.77	92	8475	0.275	ug/l	89
54) cis-1,3-Dichloropropene	8.60	75	140029	6.137	ug/l #	53
59) 2-Hexanone	9.53	43	372484	23.228	ug/l #	52
74) N-amyl acetate	10.81	43	18392	0.536	ug/l #	53
76) 1,2,3-Trichloropropane	11.12	75	504687	26.059	ug/l #	35
80) 1,3,5-Trimethylbenzene	11.49	105	25843	0.490	ug/l	94
81) trans-1,4-Dichloro-2-buten	11.12	75	504687	62.528	ug/l #	10

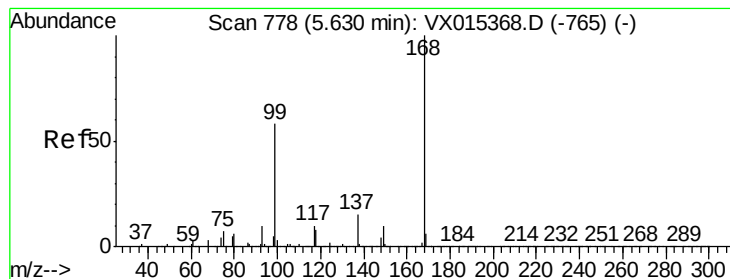
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X032720W.M
Quant Title : SW846 8260
QLast Update : Fri Mar 27 09:35:51 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.64 min Scan# 779

Delta R.T. 0.01 min

Lab File: VX015455.D

Acq: 31 Mar 2020 15:42

Instrument :

MSVOA_X

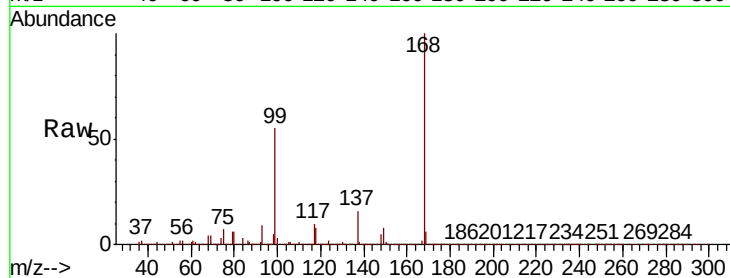
ClientSampleId :

Tot Ion:168 Resp: 1143053

Ion Ratio Lower Upper

168 100

99 55.4 46.4 69.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.64

400000

300000

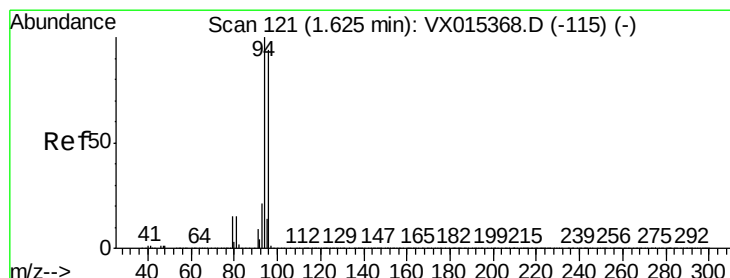
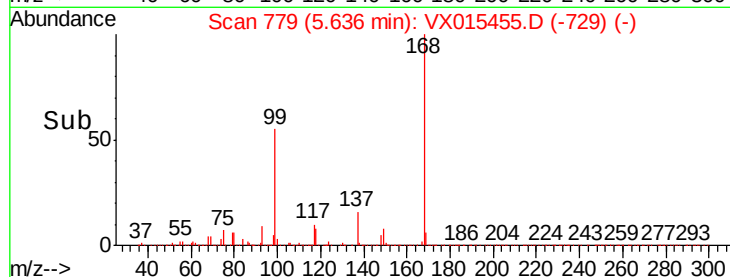
200000

100000

0

5.50 5.60 5.70 5.80

Time-->



#5

Bromomethane

Concen: Below Cal

RT: 1.61 min Scan# 118

Delta R.T. -0.02 min

Lab File: VX015455.D

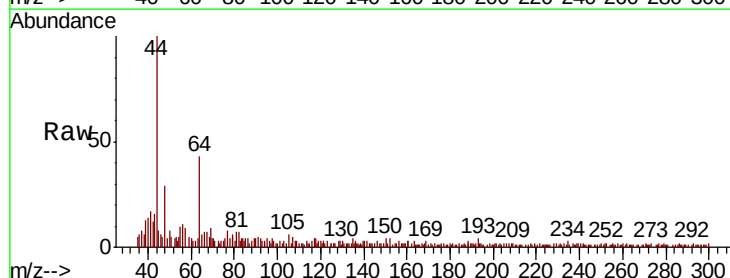
Acq: 31 Mar 2020 15:42

Tgt Ion: 94 Resp: 321

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

800

600

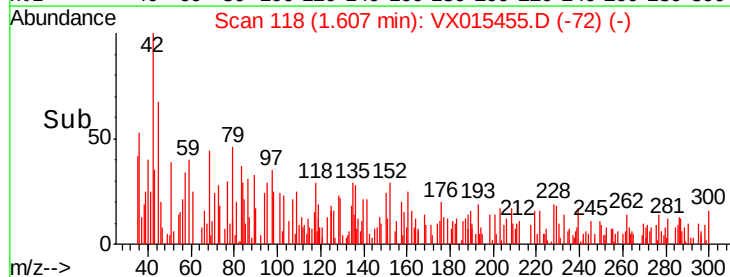
400

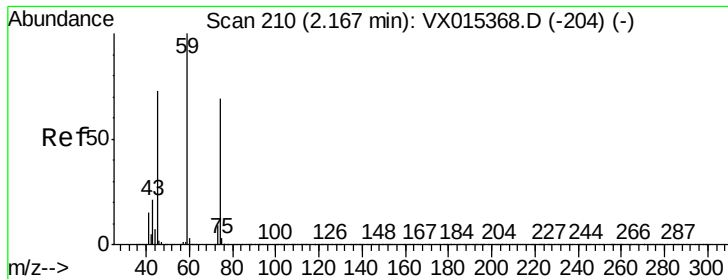
200

0

1.59 1.60 1.61 1.62

Time-->





#8

Diethyl Ether

Concen: 0.222 ug/l

RT: 2.17 min Scan# 210

Delta R.T. 0.00 min

Lab File: VX015455.D

Acq: 31 Mar 2020 15:42

Instrument :

MSVOA_X

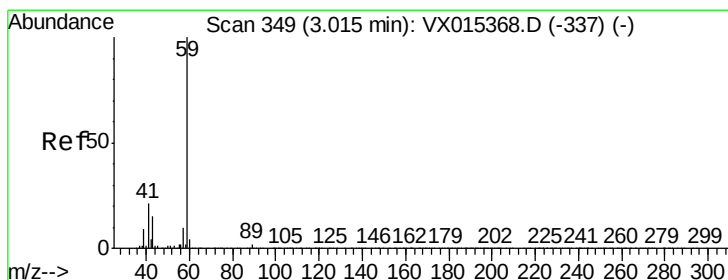
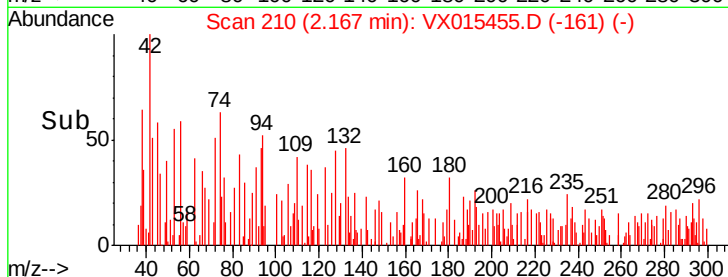
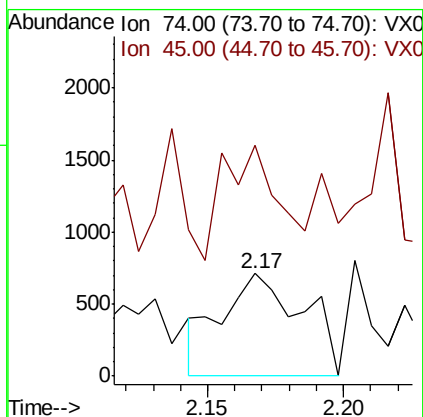
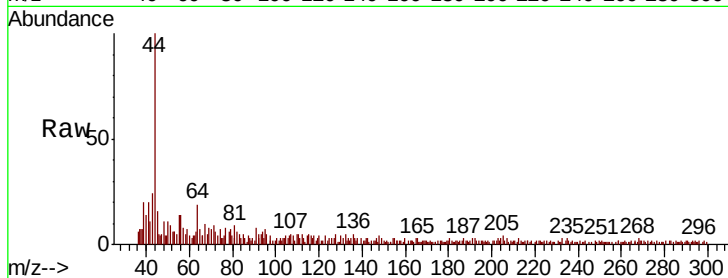
ClientSampleId :

Tot Ion: 74 Resp: 1477

Ion Ratio Lower Upper

74 100

45 76.0 53.8 161.4



#11

Tert butyl alcohol

Concen: 2.544 ug/l

RT: 3.00 min Scan# 347

Delta R.T. -0.01 min

Lab File: VX015455.D

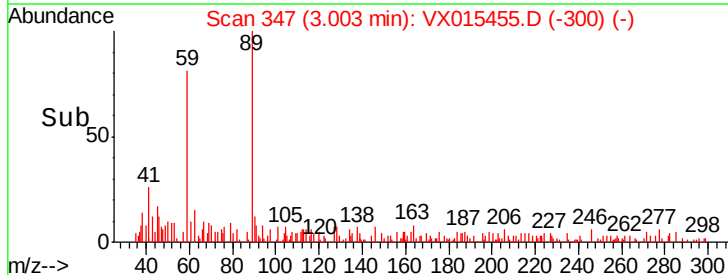
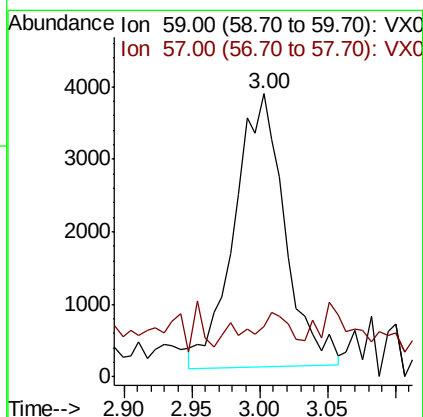
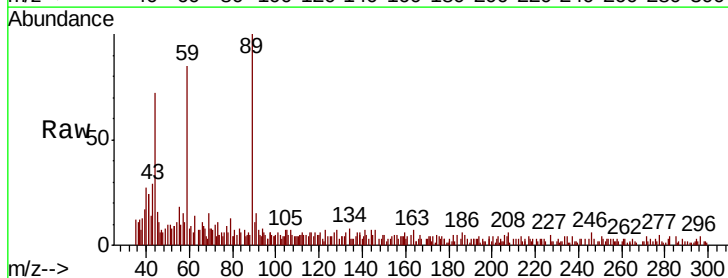
Acq: 31 Mar 2020 15:42

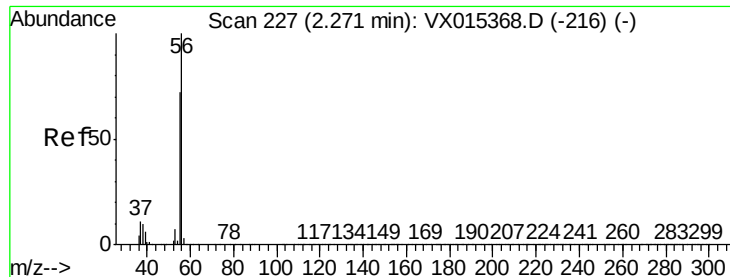
Tgt Ion: 59 Resp: 9818

Ion Ratio Lower Upper

59 100

57 4.8 8.1 12.1#





#13

Acrolein

Concen: 0.308 ug/l

RT: 2.28 min Scan# 229

Delta R.T. 0.01 min

Lab File: VX015455.D

Acq: 31 Mar 2020 15:42

Instrument :

MSVOA_X

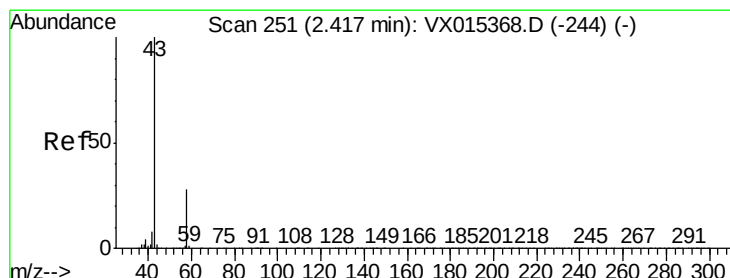
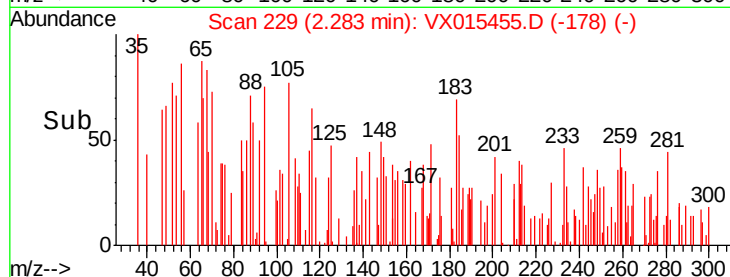
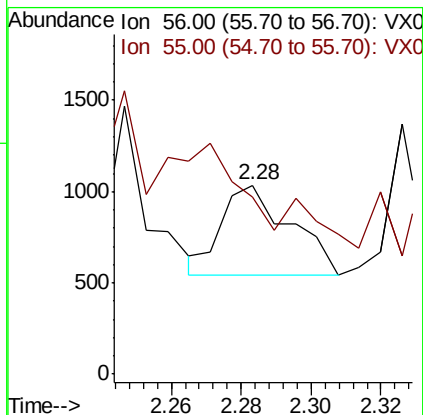
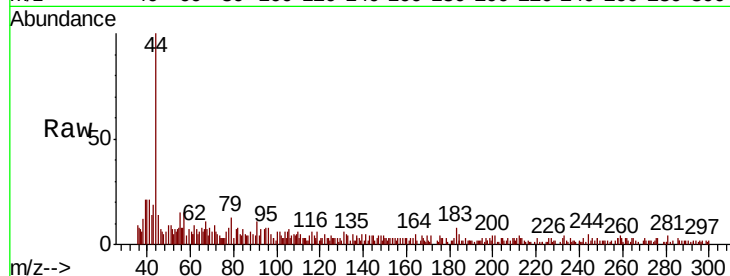
ClientSampleId :

Tot Ion: 56 Resp: 676

Ion Ratio Lower Upper

56 100

55 0.0 57.0 85.4#



#16

Acetone

Concen: 5.937 ug/l

RT: 2.42 min Scan# 251

Delta R.T. 0.00 min

Lab File: VX015455.D

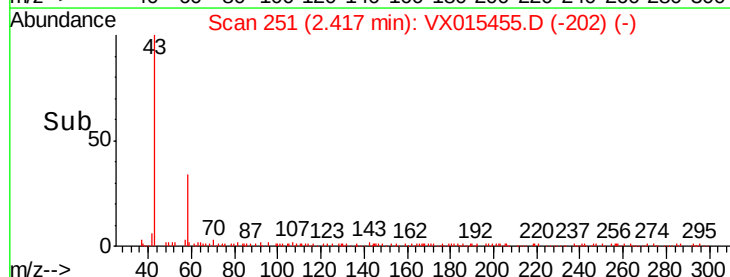
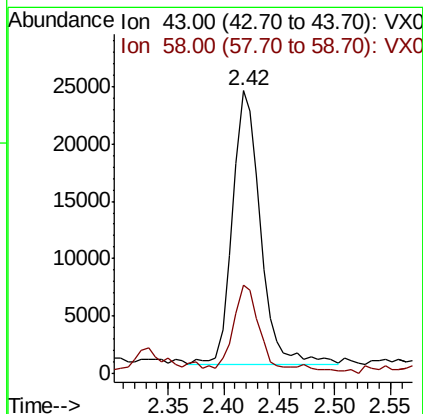
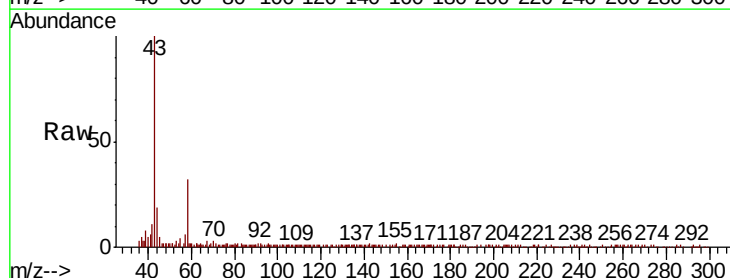
Acq: 31 Mar 2020 15:42

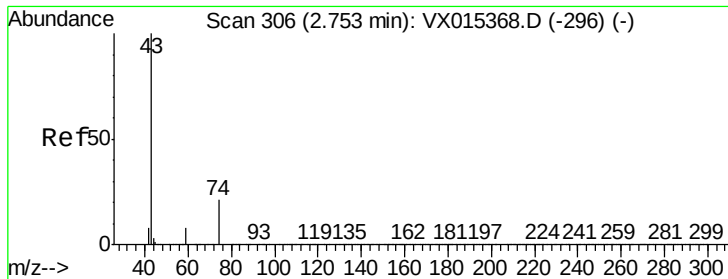
Tgt Ion: 43 Resp: 41118

Ion Ratio Lower Upper

43 100

58 29.7 22.1 33.1

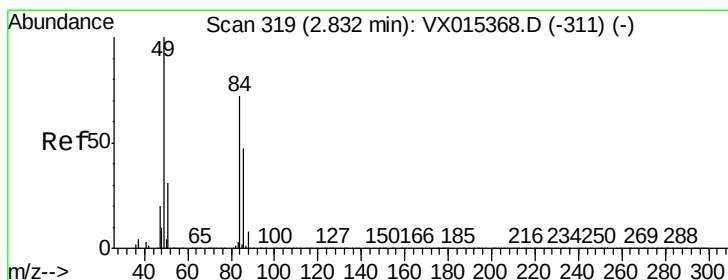
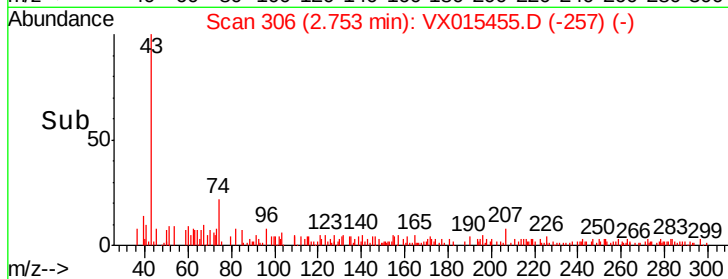
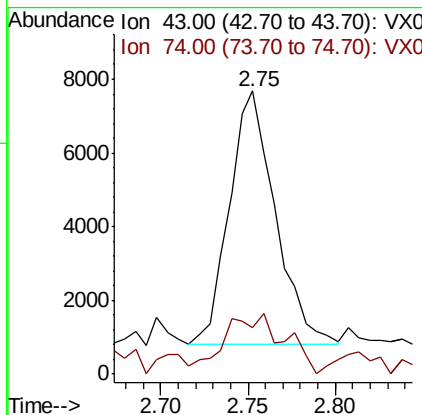
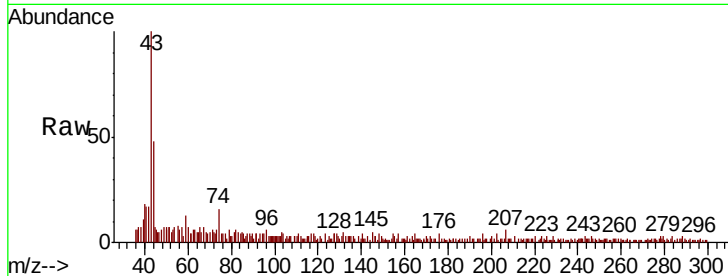




#18
Methvl Acetate
Concen: 0.713 ug/l
RT: 2.75 min Scan# 306
Delta R.T. 0.00 min
Lab File: VX015455.D
Acq: 31 Mar 2020 15:42

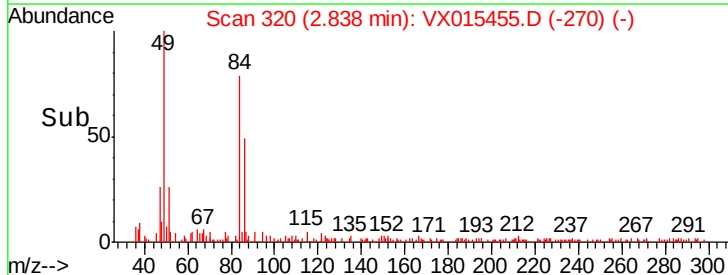
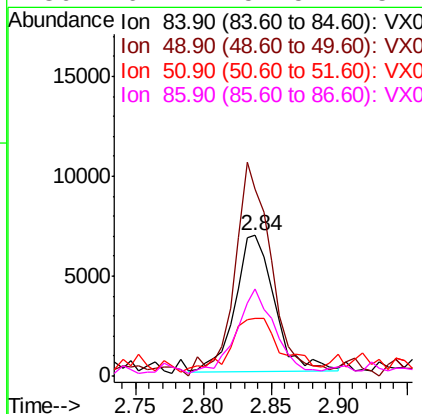
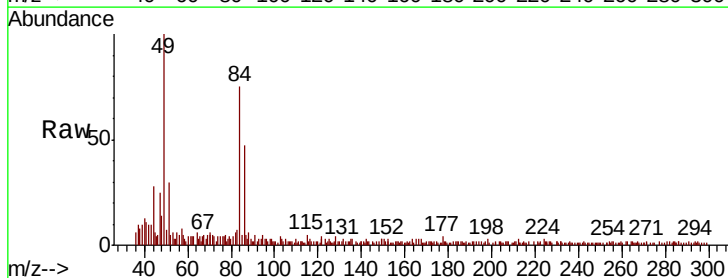
Instrument :
MSVOA_X
ClientSampleId :

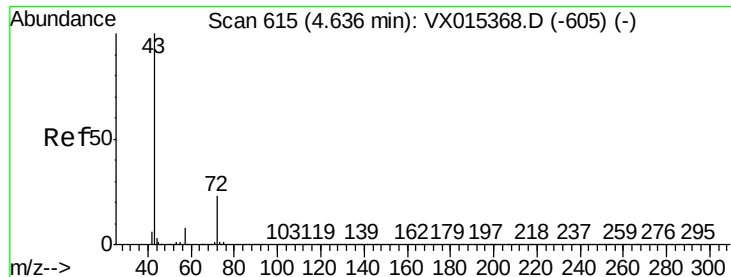
Tot Ion: 43 Resp: 12607
Ion Ratio Lower Upper
43 100
74 30.9 16.5 24.7#



#20
Methylene Chloride
Concen: 1.073 ug/l
RT: 2.84 min Scan# 320
Delta R.T. 0.01 min
Lab File: VX015455.D
Acq: 31 Mar 2020 15:42

Tgt Ion: 84 Resp: 13883
Ion Ratio Lower Upper
84 100
49 138.0 111.3 166.9
51 35.9 34.0 51.0
86 62.2 52.5 78.7

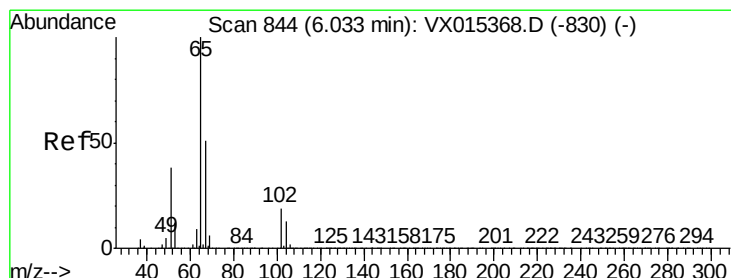
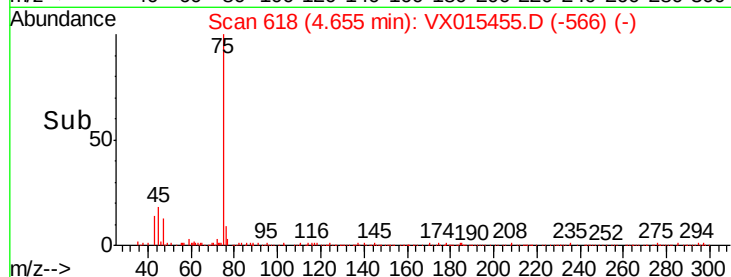
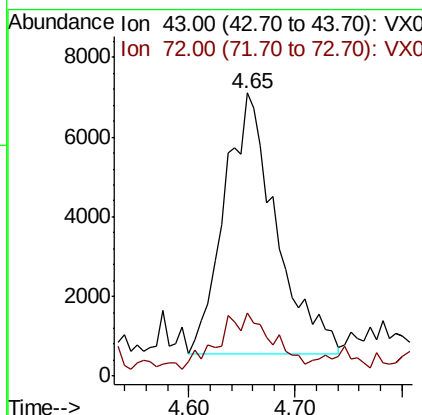
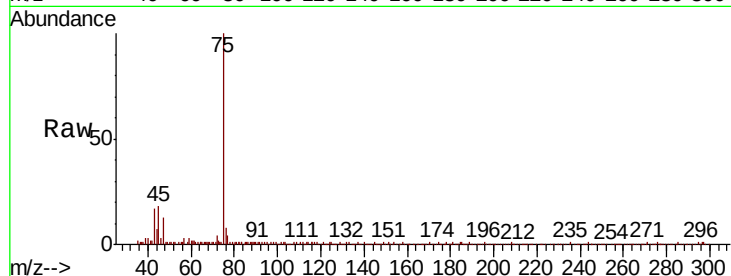




#25
2-Butanone
Concen: 1.991 ug/l
RT: 4.65 min Scan# 618
Delta R.T. 0.02 min
Lab File: VX015455.D
Acq: 31 Mar 2020 15:42

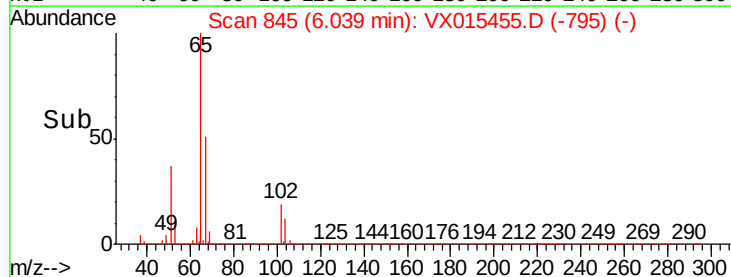
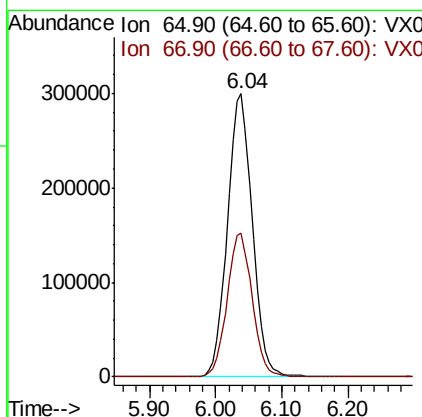
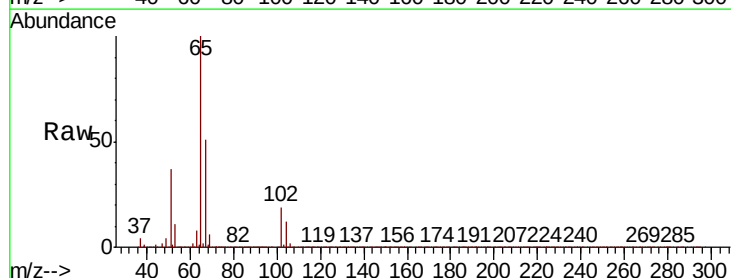
Instrument :
MSVOA_X
ClientSampleId :

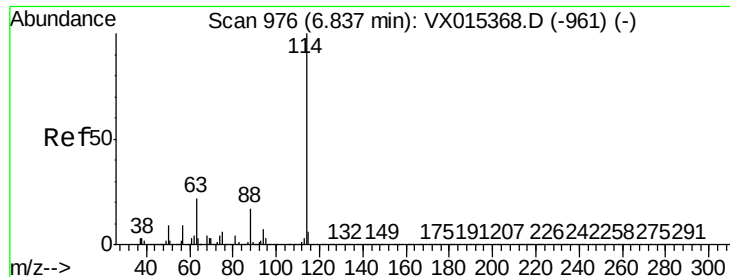
Tot Ion: 43 Resp: 22177
Ion Ratio Lower Upper
43 100
72 18.6 19.0 28.4#



#33
1,2-Dichloroethane-d4
Concen: 48.168 ug/l
RT: 6.04 min Scan# 845
Delta R.T. 0.01 min
Lab File: VX015455.D
Acq: 31 Mar 2020 15:42

Tgt Ion: 65 Resp: 776539
Ion Ratio Lower Upper
65 100
67 50.7 0.0 102.6

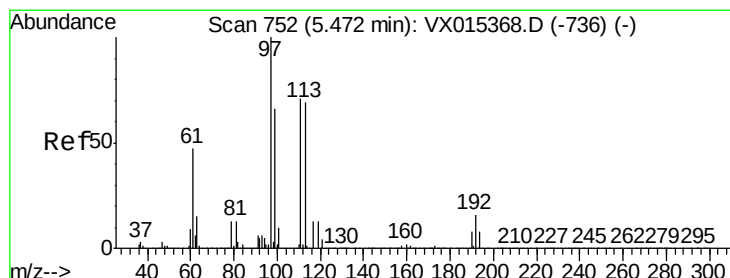
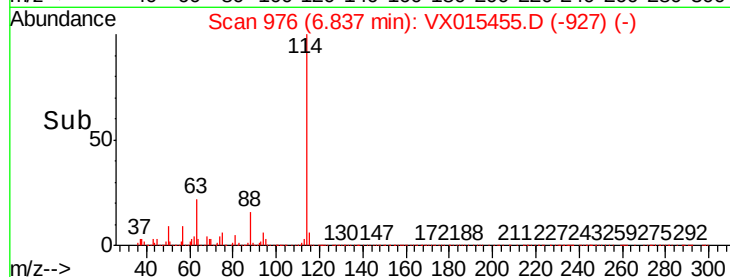
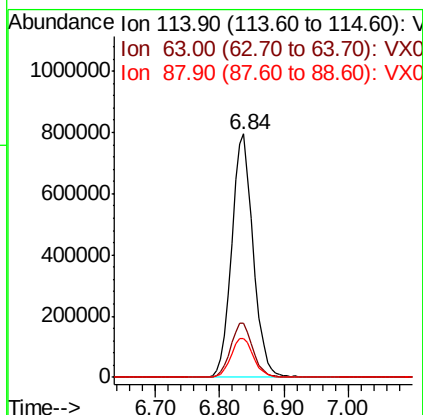
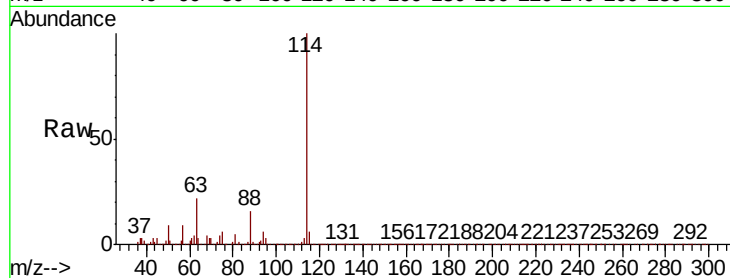




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.84 min Scan# 976
 Delta R.T. 0.00 min
 Lab File: VX015455.D
 Acq: 31 Mar 2020 15:42

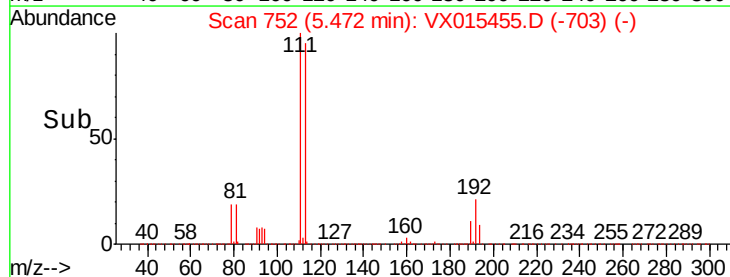
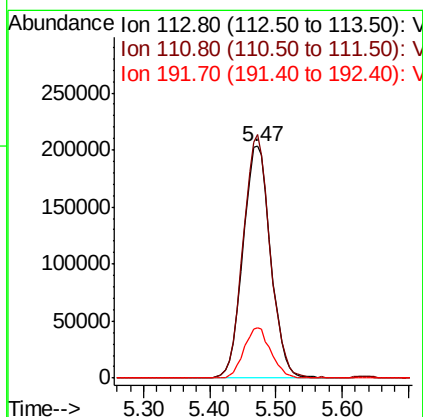
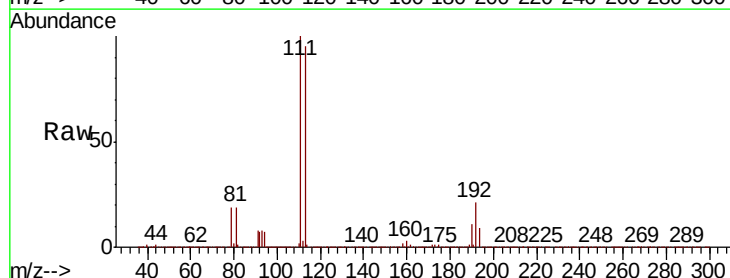
Instrument :
 MSVOA_X
 ClientSampled :

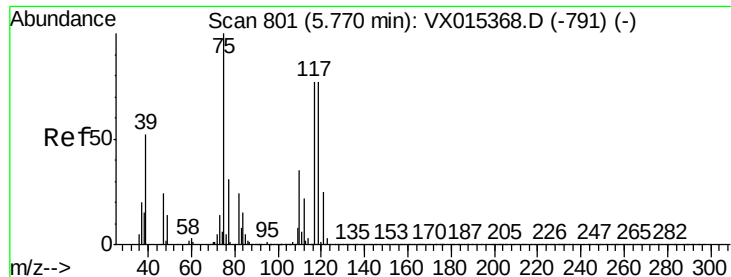
Tot Ion:114 Resp: 1850605
 Ion Ratio Lower Upper
 114 100
 63 22.0 0.0 44.2
 88 15.9 0.0 33.8



#35
 Dibromofluoromethane
 Concen: 50.017 ug/l
 RT: 5.47 min Scan# 752
 Delta R.T. 0.00 min
 Lab File: VX015455.D
 Acq: 31 Mar 2020 15:42

Tgt Ion:113 Resp: 591683
 Ion Ratio Lower Upper
 113 100
 111 101.8 81.5 122.3
 192 21.4 17.8 26.6





#36

1,1-Dichloropropene

Concen: 4.893 ug/l

RT: 5.64 min Scan# 779

Delta R.T. -0.13 min

Lab File: VX015455.D

Acq: 31 Mar 2020 15:42

Instrument :

MSVOA_X

ClientSampleId :

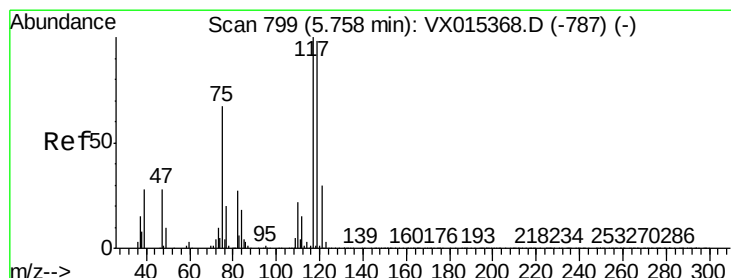
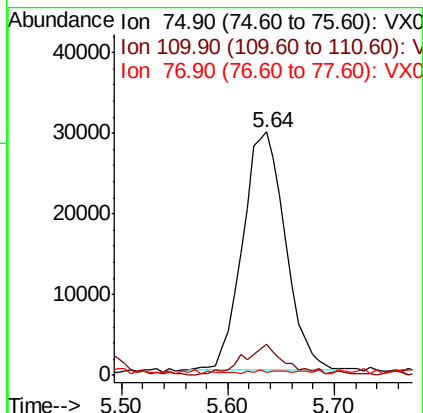
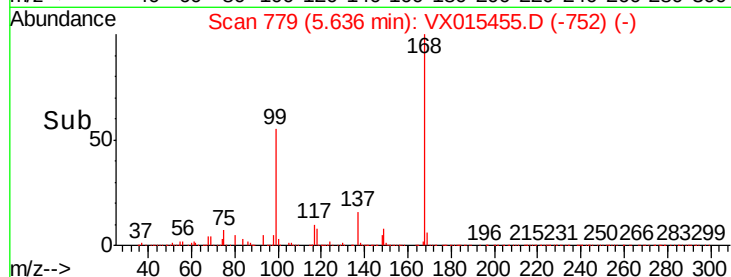
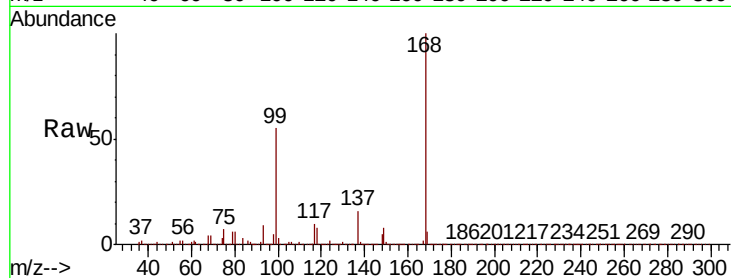
Tot Ion: 75 Resp: 83439

Ion Ratio Lower Upper

75 100

110 12.8 17.1 51.3#

77 0.4 24.6 36.8#



#38

Carbon Tetrachloride

Concen: 6.039 ug/l

RT: 5.63 min Scan# 778

Delta R.T. -0.13 min

Lab File: VX015455.D

Acq: 31 Mar 2020 15:42

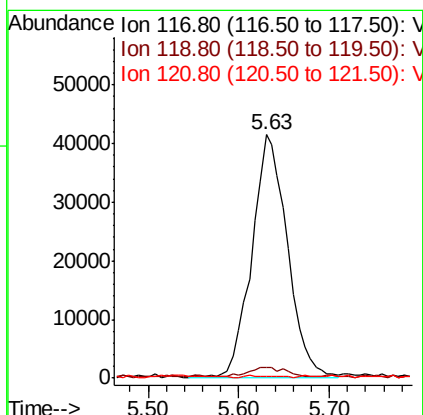
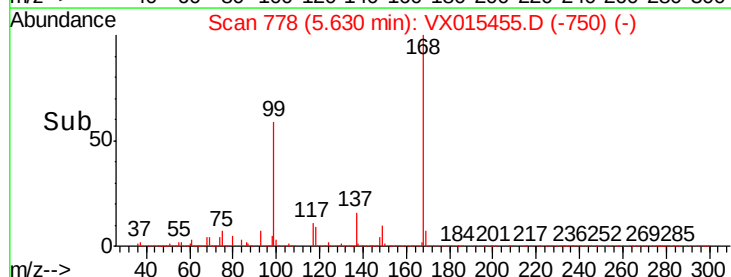
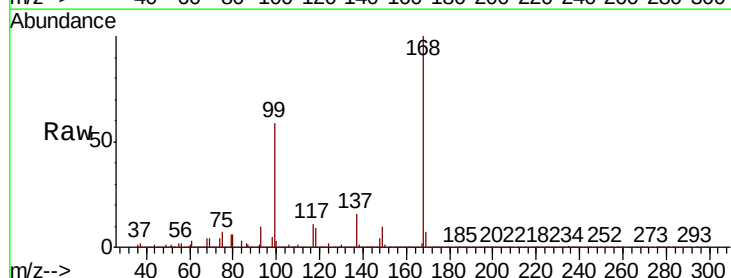
Tgt Ion: 117 Resp: 111534

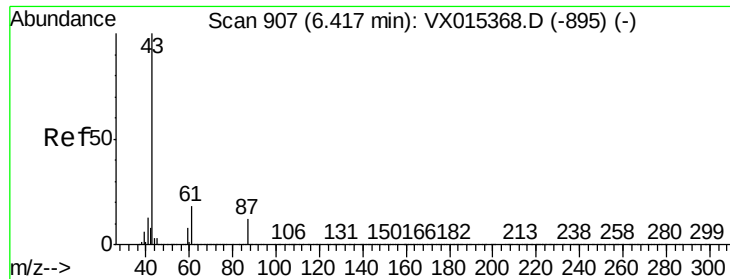
Ion Ratio Lower Upper

117 100

119 3.7 78.0 117.0#

121 0.4 23.8 35.8#





#43

Isopropyl Acetate

Concen: 9.475 ug/l

RT: 6.42 min Scan# 907

Delta R.T. 0.00 min

Lab File: VX015455.D

Acq: 31 Mar 2020 15:42

Instrument :

MSVOA_X

ClientSampleId :

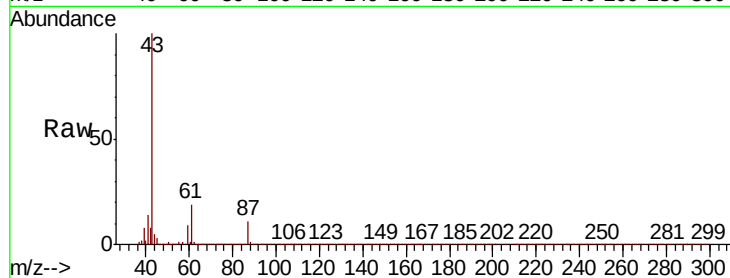
Tot Ion: 43 Resp: 355133

Ion Ratio Lower Upper

43 100

61 18.6 14.8 22.2

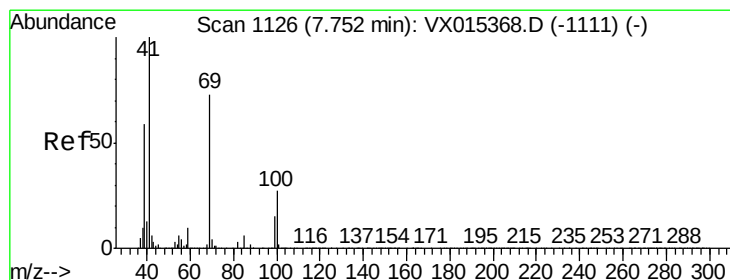
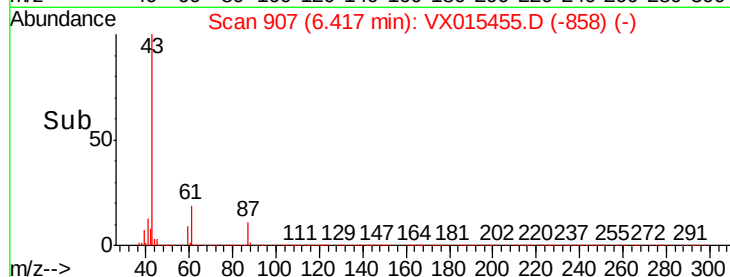
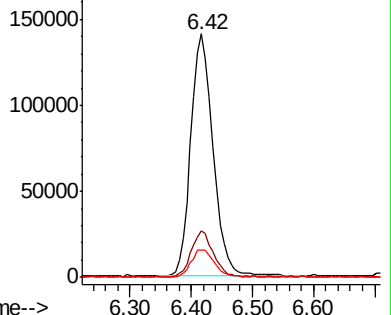
87 11.8 9.4 14.0



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: 1.068 ug/l

RT: 7.65 min Scan# 1110

Delta R.T. -0.10 min

Lab File: VX015455.D

Acq: 31 Mar 2020 15:42

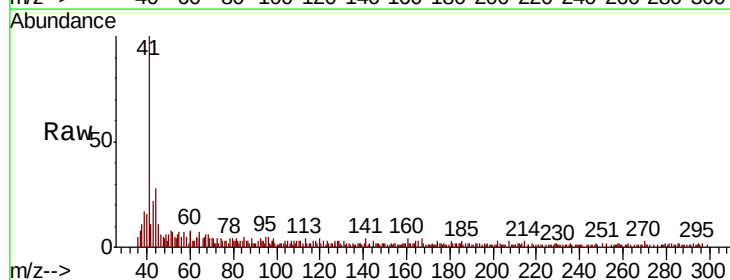
Tgt Ion: 41 Resp: 19988

Ion Ratio Lower Upper

41 100

69 5.7 56.7 85.1#

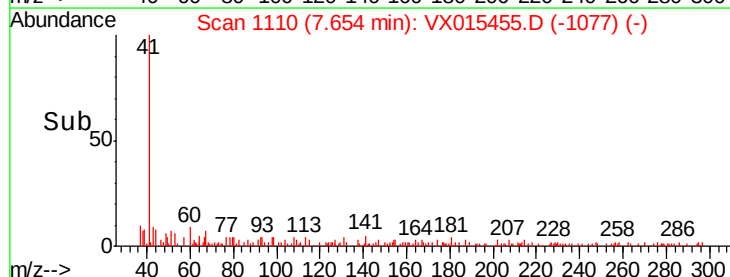
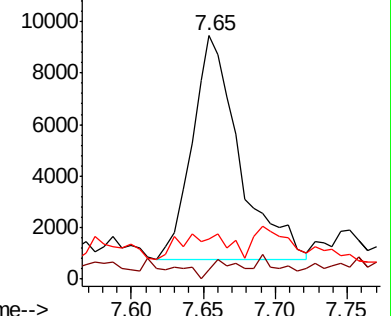
39 0.0 46.5 69.7#

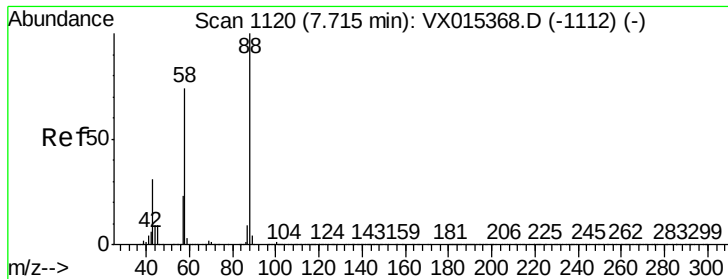


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 39.00 (38.70 to 39.70): VX0





#49

1,4-Dioxane

Concen: 1.120 ug/l

RT: 7.68 min Scan# 1115

Delta R.T. -0.03 min

Lab File: VX015455.D

Acq: 31 Mar 2020 15:42

Instrument :

MSVOA_X

ClientSampleId :

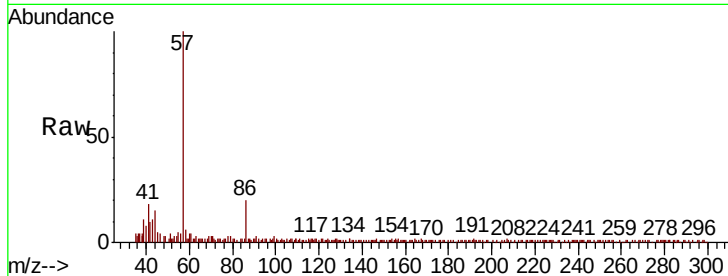
Tot Ion: 88 Resp: 391

Ion Ratio Lower Upper

88 100

43 0.0 30.1 45.1#

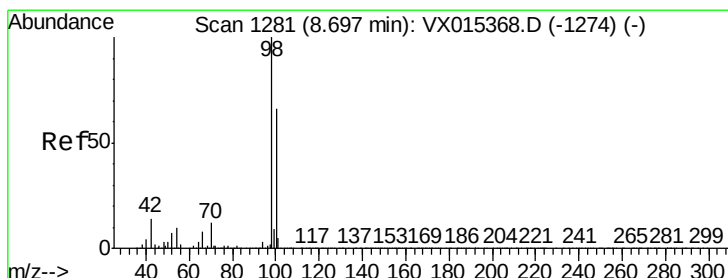
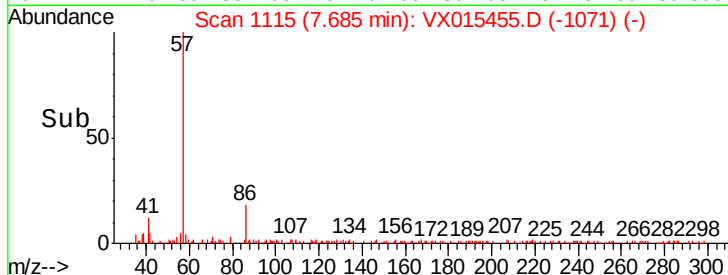
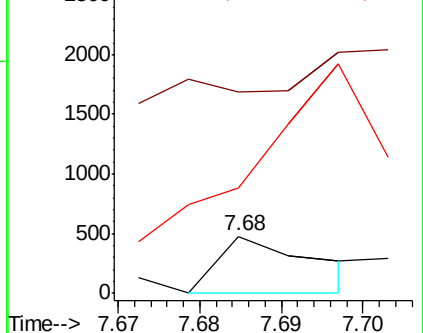
58 733.5 60.6 90.8#



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: 51.254 ug/l

RT: 8.70 min Scan# 1281

Delta R.T. 0.00 min

Lab File: VX015455.D

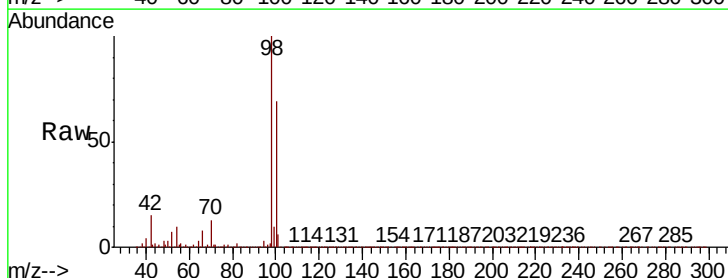
Acq: 31 Mar 2020 15:42

Tgt Ion: 98 Resp: 2232261

Ion Ratio Lower Upper

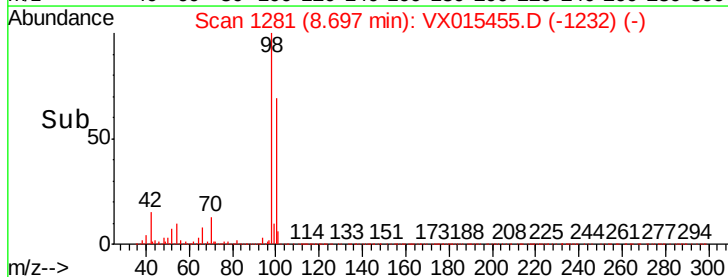
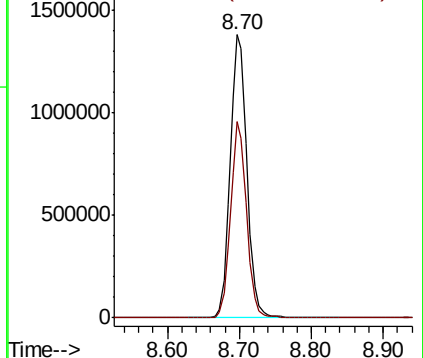
98 100

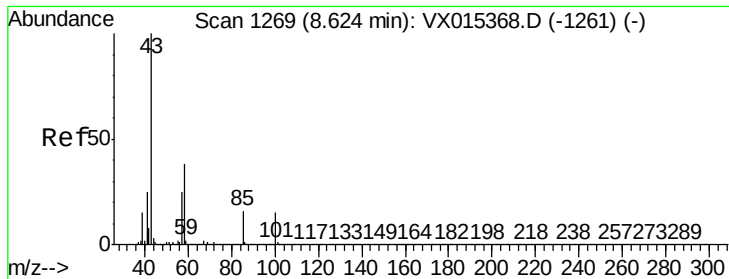
100 66.4 53.5 80.3



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0

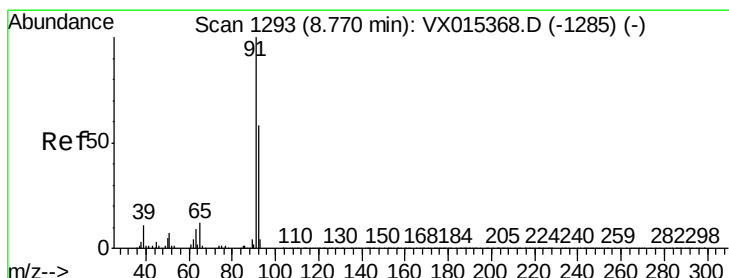
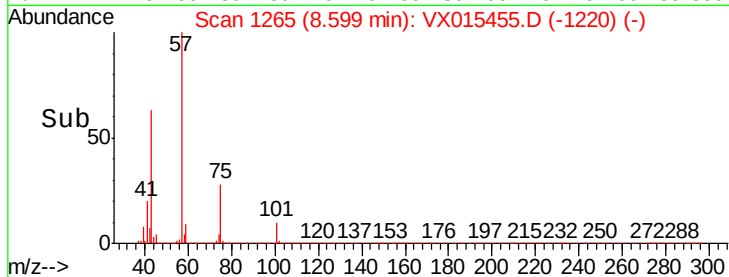
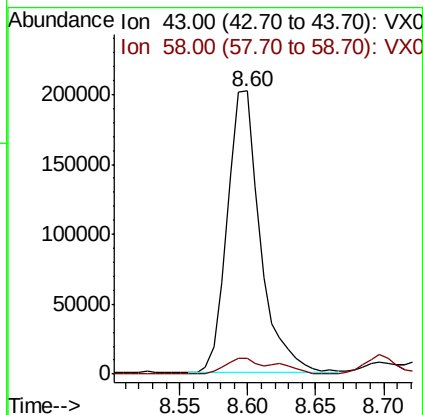
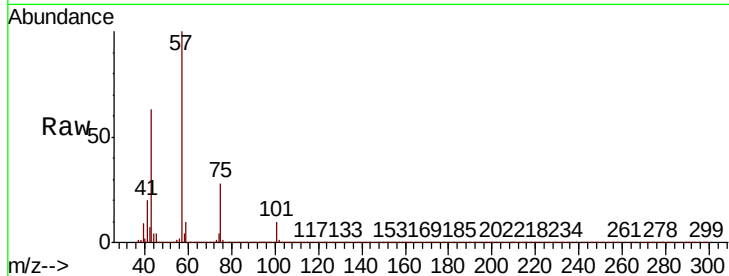




#51
4-Methyl-2-Pentanone
Concen: 16.031 ug/l
RT: 8.60 min Scan# 1265
Delta R.T. -0.02 min
Lab File: VX015455.D
Acq: 31 Mar 2020 15:42

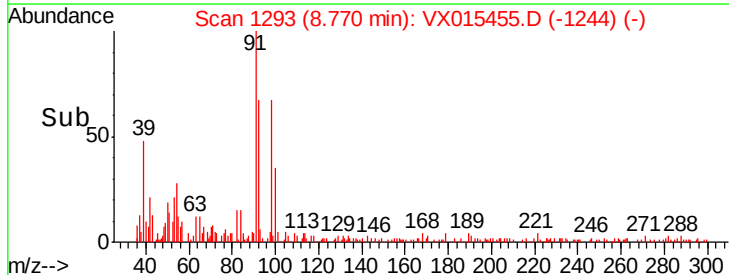
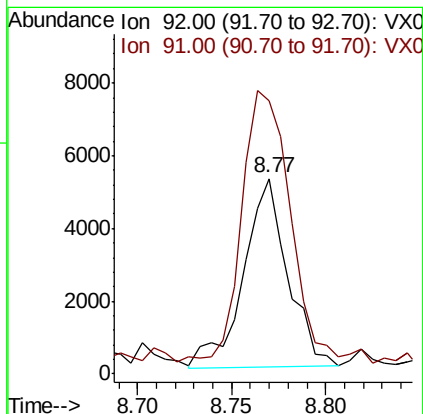
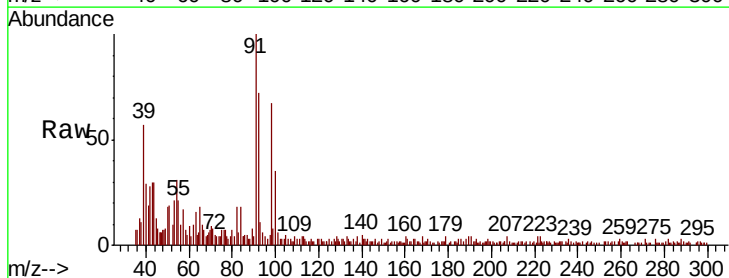
Instrument :
MSVOA_X
ClientSampleId :

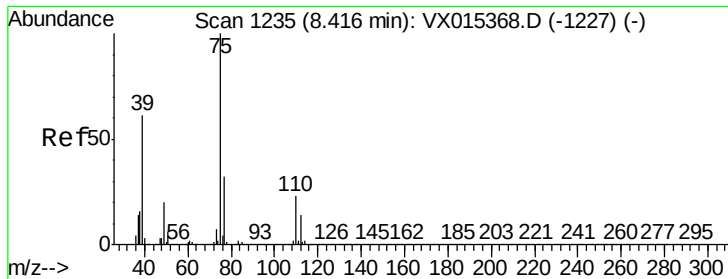
Tot Ion: 43 Resp: 340502
Ion Ratio Lower Upper
43 100
58 5.6 29.7 44.5#



#52
Toluene
Concen: 0.275 ug/l
RT: 8.77 min Scan# 1293
Delta R.T. 0.00 min
Lab File: VX015455.D
Acq: 31 Mar 2020 15:42

Tgt Ion: 92 Resp: 8475
Ion Ratio Lower Upper
92 100
91 156.2 136.6 205.0



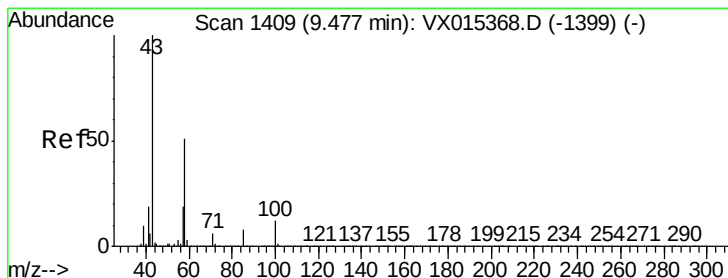
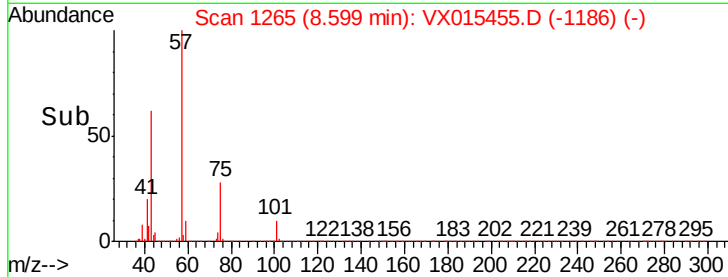
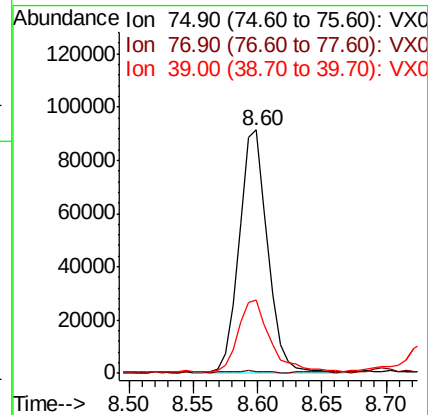
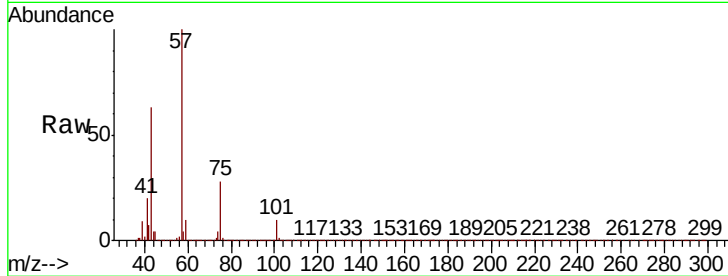


#54

cis-1,3-Dichloropropene
 Concen: 6.137 ug/l
 RT: 8.60 min Scan# 1265
 Delta R.T. 0.18 min
 Lab File: VX015455.D
 Acq: 31 Mar 2020 15:42

Instrument :
 MSVOA_X
 ClientSampleId :

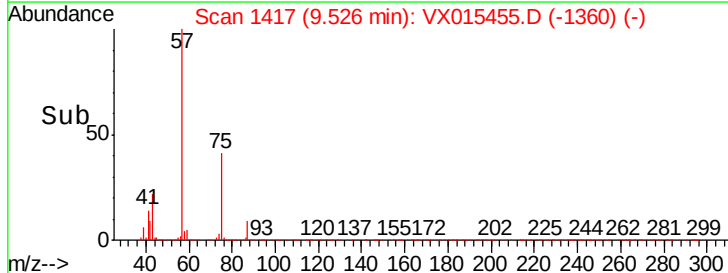
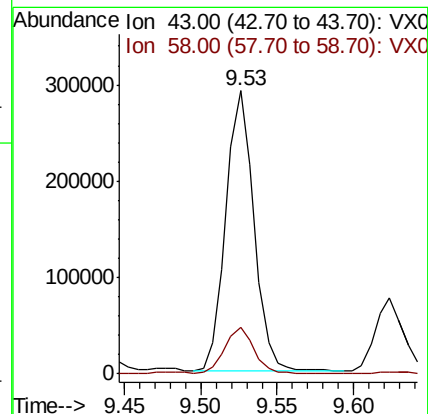
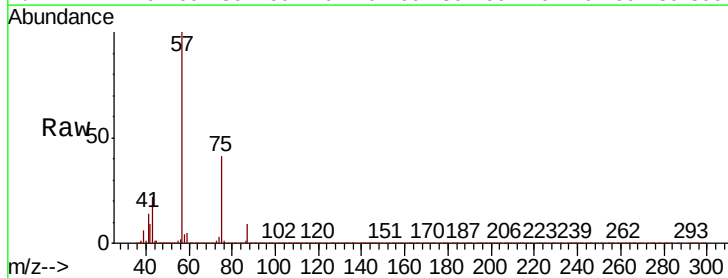
Tot Ion	Ratio	Lower	Upper
75	100		
77	0.0	25.8	38.6#
39	29.6	49.0	73.4#

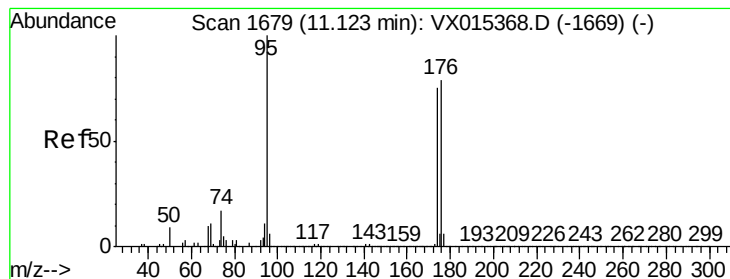


#59

2-Hexanone
 Concen: 23.228 ug/l
 RT: 9.53 min Scan# 1417
 Delta R.T. 0.05 min
 Lab File: VX015455.D
 Acq: 31 Mar 2020 15:42

Tgt Ion	Ratio	Lower	Upper
43	100		
58	17.4	25.6	76.6#





#62

4-Bromofluorobenzene

Concen: 54.590 ug/l

RT: 11.12 min Scan# 1679

Delta R.T. 0.00 min

Lab File: VX015455.D

Acq: 31 Mar 2020 15:42

Instrument :

MSVOA_X

ClientSampled :

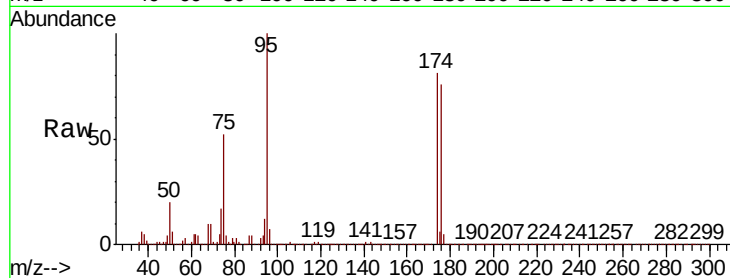
Tot Ion: 95 Resp: 966249

Ion Ratio Lower Upper

95 100

174 77.7 0.0 158.6

176 76.1 0.0 159.0

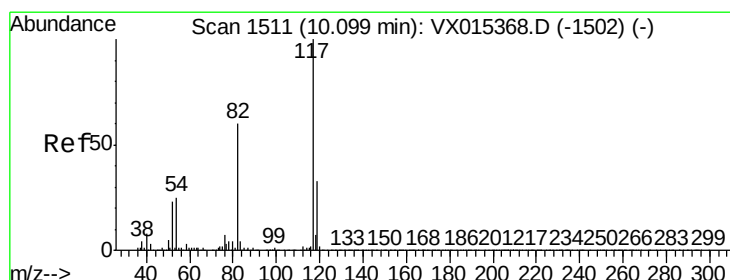
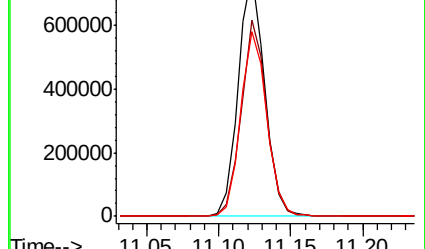
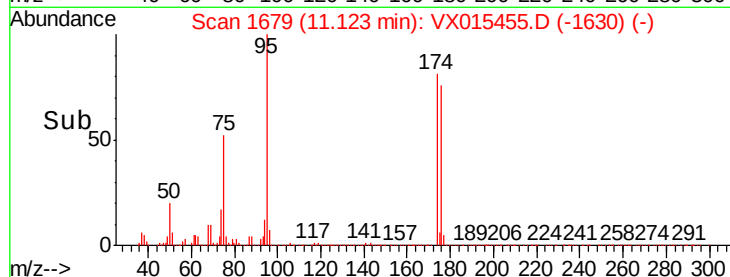


Abundance Ion 94.90 (94.60 to 95.60): VX015368.D (-1669) (-)

Ion 173.80 (173.50 to 174.50): VX015368.D (-1669) (-)

Ion 175.80 (175.50 to 176.50): VX015368.D (-1669) (-)

Time-->



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.10 min Scan# 1511

Delta R.T. 0.00 min

Lab File: VX015455.D

Acq: 31 Mar 2020 15:42

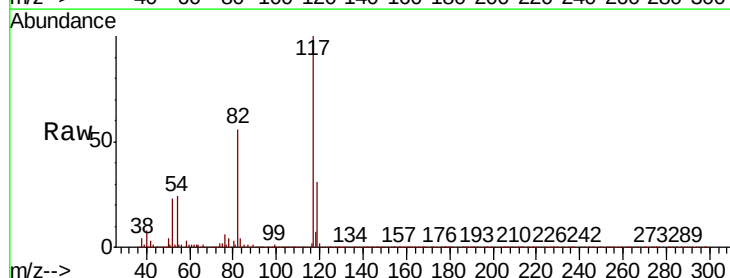
Tgt Ion: 117 Resp: 1788323

Ion Ratio Lower Upper

117 100

82 56.2 47.8 71.8

119 30.7 26.8 40.2

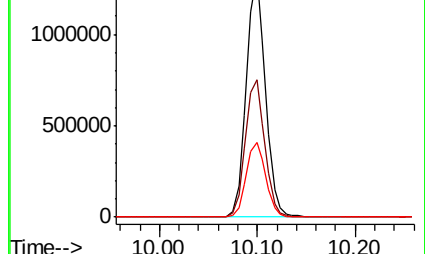
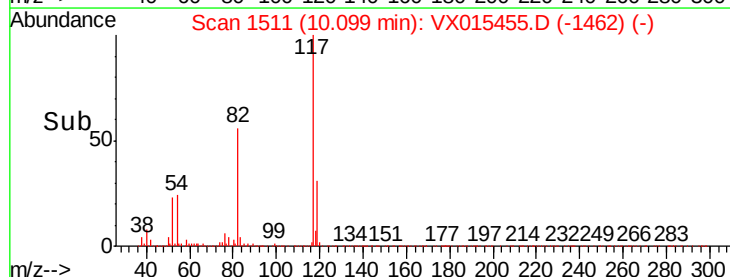


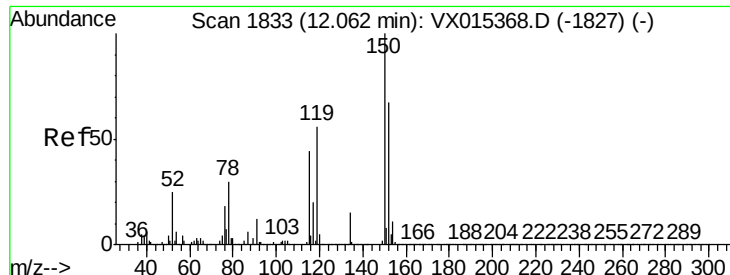
Abundance Ion 116.90 (116.60 to 117.60): VX015368.D (-1502) (-)

Ion 82.00 (81.70 to 82.70): VX015368.D (-1502) (-)

Ion 118.90 (118.60 to 119.60): VX015368.D (-1502) (-)

Time-->





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.06 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VX015455.D

Acq: 31 Mar 2020 15:42

Instrument :

MSVOA_X

ClientSampleId :

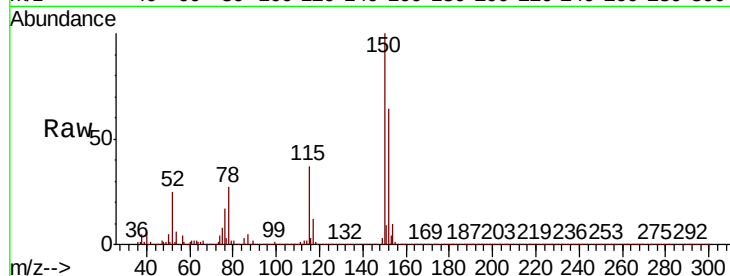
Tot Ion:152 Resp: 941776

Ion Ratio Lower Upper

152 100

115 59.6 39.0 116.9

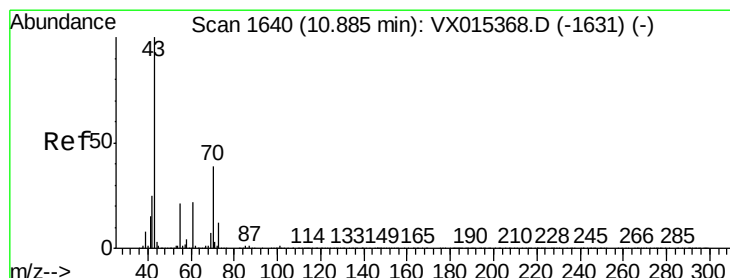
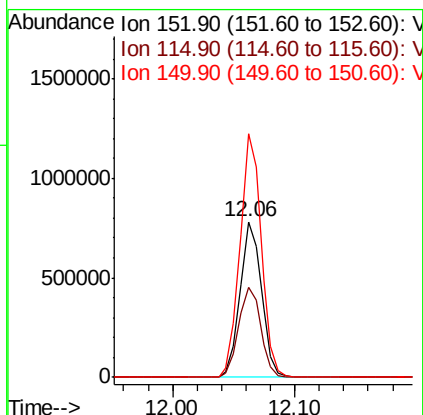
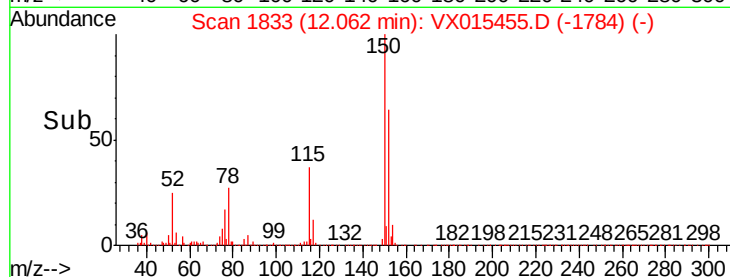
150 155.5 0.0 340.8



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-amyl acetate

Concen: 0.536 ug/l

RT: 10.81 min Scan# 1628

Delta R.T. -0.07 min

Lab File: VX015455.D

Acq: 31 Mar 2020 15:42

Tgt Ion: 43 Resp: 18392

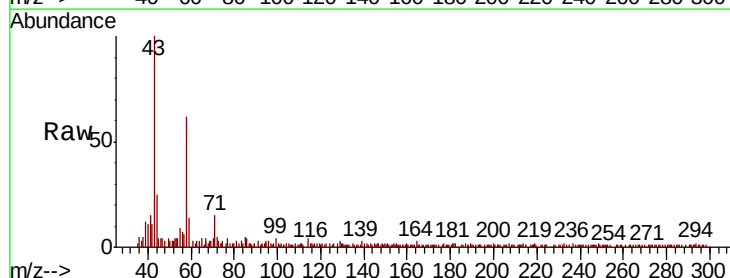
Ion Ratio Lower Upper

43 100

70 2.0 30.2 45.4#

55 9.7 16.8 25.2#

61 0.0 18.2 27.2#

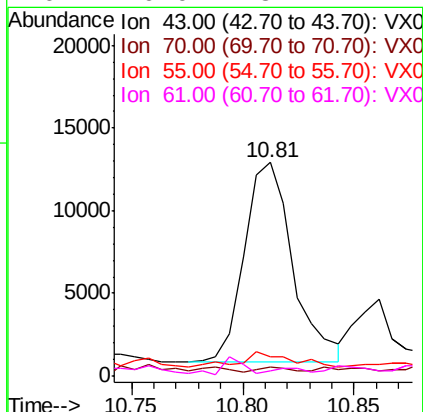
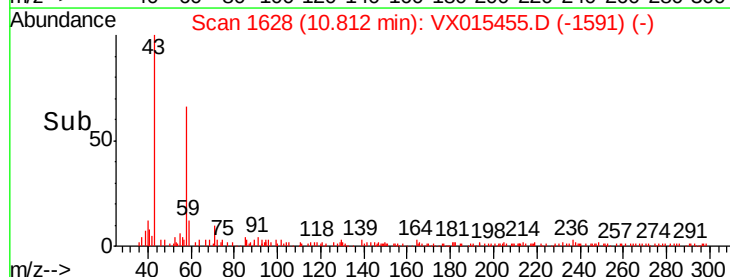


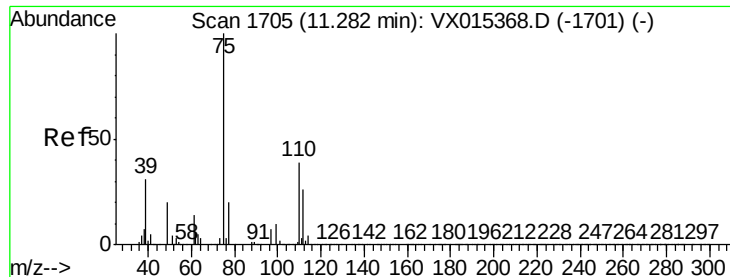
Abundance Ion 43.00 (42.70 to 43.70): VX0

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



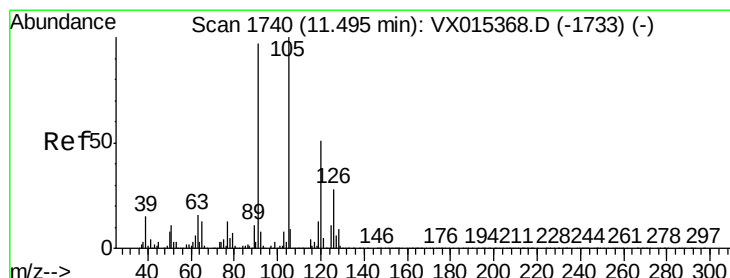
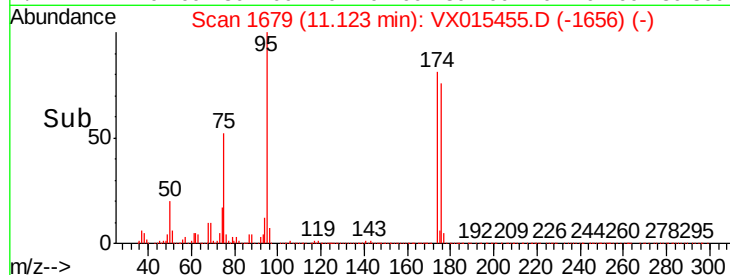
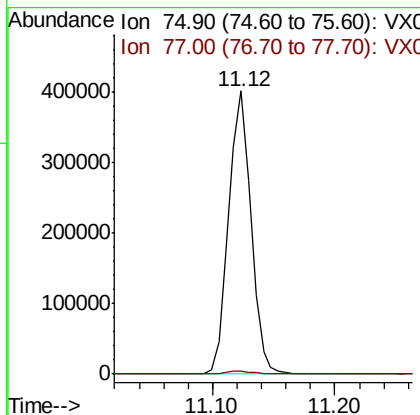
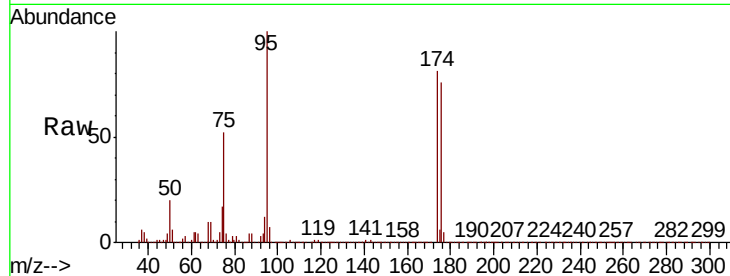


#76

1,2,3-Trichloropropane
Concen: 26.059 ug/l
RT: 11.12 min Scan# 1679
Delta R.T. -0.16 min
Lab File: VX015455.D
Acq: 31 Mar 2020 15:42

Instrument :
MSVOA_X
ClientSampled :

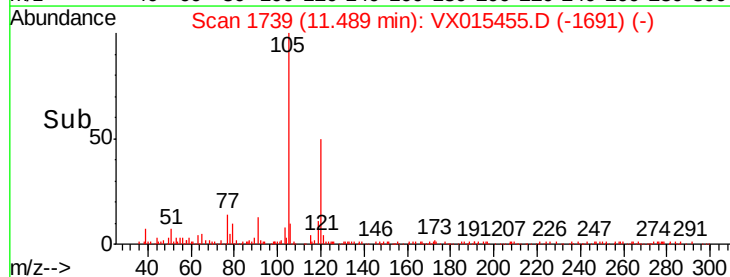
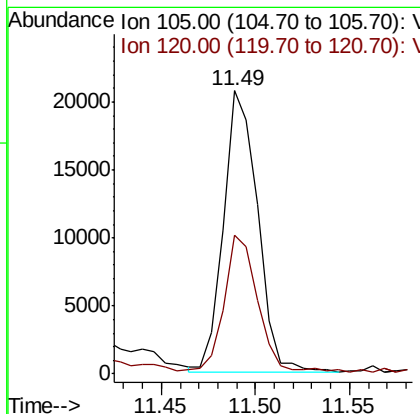
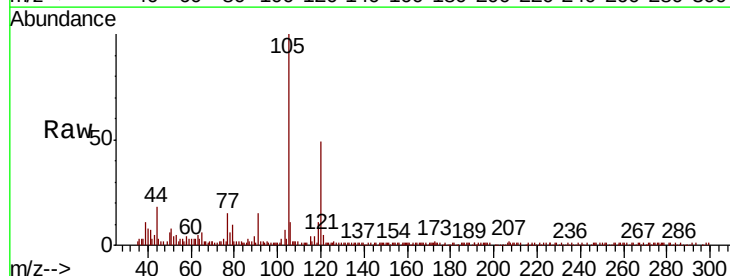
Tot Ion: 75 Resp: 504687
Ion Ratio Lower Upper
75 100
77 1.3 21.2 63.6#

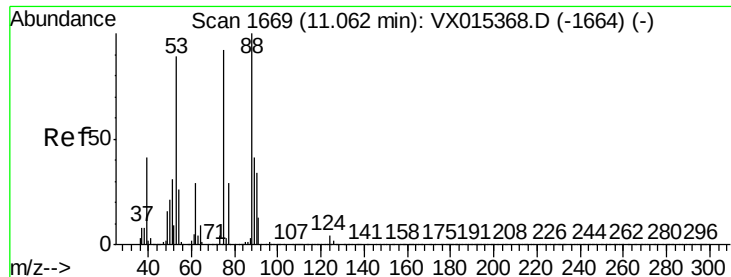


#80

1,3,5-Trimethylbenzene
Concen: 0.490 ug/l
RT: 11.49 min Scan# 1739
Delta R.T. -0.01 min
Lab File: VX015455.D
Acq: 31 Mar 2020 15:42

Tgt Ion: 105 Resp: 25843
Ion Ratio Lower Upper
105 100
120 45.6 24.8 74.4





#81
trans-1,4-Dichloro-2-butene
Concen: 62.528 ug/l
RT: 11.12 min Scan# 1679
Delta R.T. 0.06 min
Lab File: VX015455.D
Acq: 31 Mar 2020 15:42

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 75 Resp: 504687
Ion Ratio Lower Upper
75 100
53 0.1 80.1 120.1#
89 0.1 36.1 54.1#

