

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX040220\
 Data File : VX015492.D
 Acq On : 02 Apr 2020 19:08
 Operator : JC/SP
 Sample : PB127948ZHE#14
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Apr 03 08:04:11 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	5.63	168	1071399	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	1750272	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	1685990	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	891424	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.03	65	738908	48.90	ug/l	0.00
Spiked Amount			Recovery	=	97.80%	
35) Dibromofluoromethane	5.47	113	561067	50.15	ug/l	0.00
Spiked Amount			Recovery	=	100.30%	
50) Toluene-d8	8.70	98	2109837	51.22	ug/l	0.00
Spiked Amount			Recovery	=	102.44%	
62) 4-Bromofluorobenzene	11.12	95	927331	55.39	ug/l	0.00
Spiked Amount			Recovery	=	110.78%	

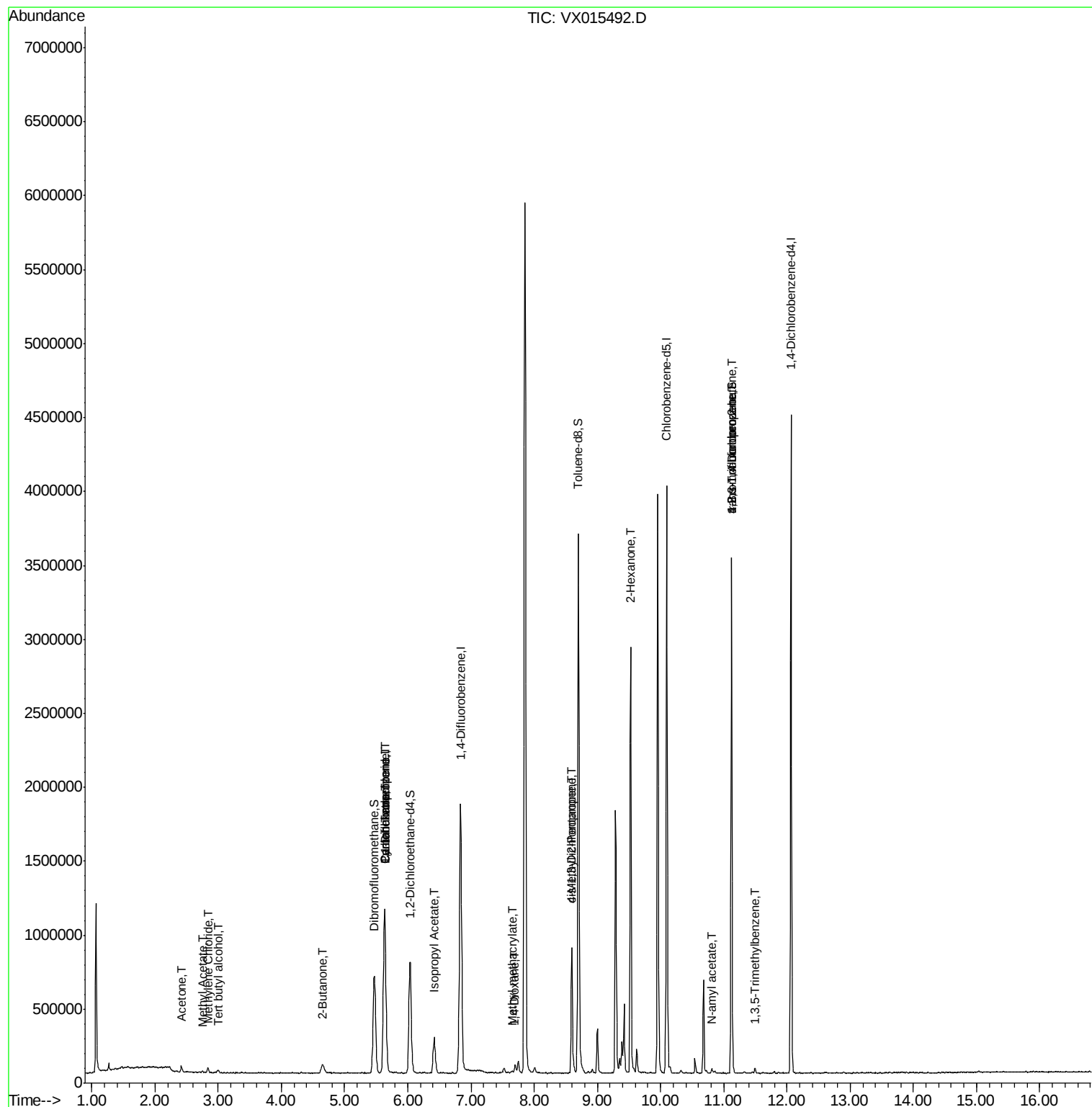
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.61	94	726	Below Cal	#	4
11) Tert butyl alcohol	3.00	59	13979	3.865	ug/l #	73
16) Acetone	2.42	43	43481	6.698	ug/l	99
18) Methyl Acetate	2.76	43	12078	0.729	ug/l	96
20) Methylene Chloride	2.84	84	15854	1.307	ug/l	94
25) 2-Butanone	4.65	43	17876	1.712	ug/l #	90
31) Cyclohexane	5.64	56	22582	1.181	ug/l #	1
36) 1,1-Dichloropropene	5.64	75	79391	4.923	ug/l #	54
38) Carbon Tetrachloride	5.64	117	103946	5.951	ug/l #	15
43) Isopropyl Acetate	6.42	43	349708	9.866	ug/l	99
48) Methyl methacrylate	7.65	41	20551	1.161	ug/l #	20
49) 1,4-Dioxane	7.68	88	724	2.192	ug/l #	1
51) 4-Methyl-2-Pentanone	8.60	43	335147	16.683	ug/l #	46
54) cis-1,3-Dichloropropene	8.59	75	135323	6.271	ug/l #	54
59) 2-Hexanone	9.53	43	367858	24.255	ug/l #	51
74) N-amyl acetate	10.81	43	17549	0.540	ug/l #	51
76) 1,2,3-Trichloropropane	11.12	75	478709	26.114	ug/l #	35
80) 1,3,5-Trimethylbenzene	11.49	105	15899	0.319	ug/l	95
81) trans-1,4-Dichloro-2-buten	11.12	75	478709	62.660	ug/l #	10

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

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX040220\
Data File : VX015492.D
Acq On : 02 Apr 2020 19:08
Operator : JC/SP
Sample : PB127948ZHE#14
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 22 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :

Quant Time: Apr 03 08:04:11 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: 5.63 min Scan# 778

Delta R.T. -0.00 min

Lab File: VX015492.D

Acq: 02 Apr 2020 19:08

Instrument :

MSVOA_X

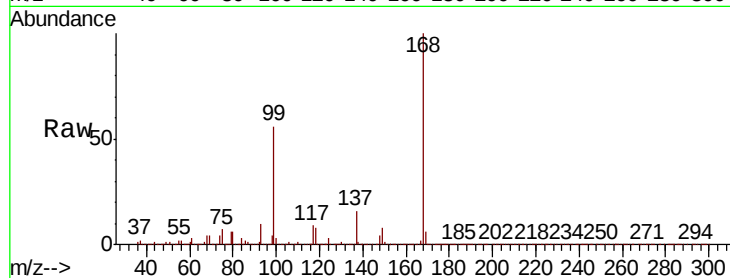
ClientSampleId :

Tot Ion:168 Resp: 1071399

Ion Ratio Lower Upper

168 100

99 55.8 46.4 69.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.63

400000

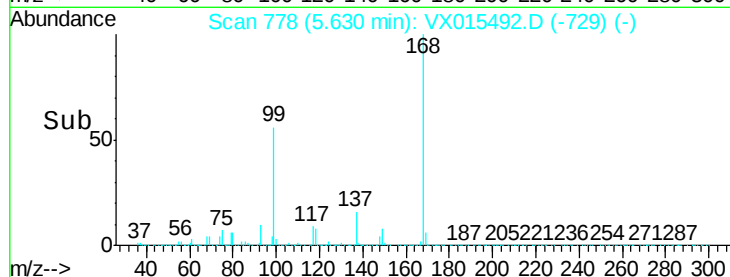
300000

200000

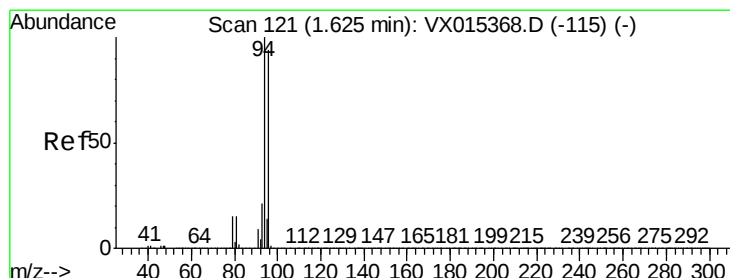
100000

0

5.50 5.60 5.70 5.80



Time-->



#5

Bromomethane

Concen: Below Cal

RT: 1.61 min Scan# 119

Delta R.T. -0.01 min

Lab File: VX015492.D

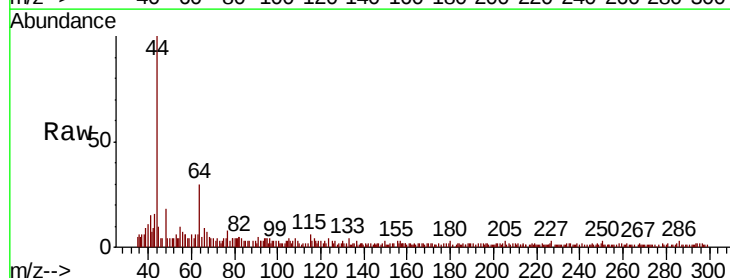
Acq: 02 Apr 2020 19:08

Tgt Ion: 94 Resp: 726

Ion Ratio Lower Upper

94 100

96 1.0 74.8 112.2#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.61

1000

800

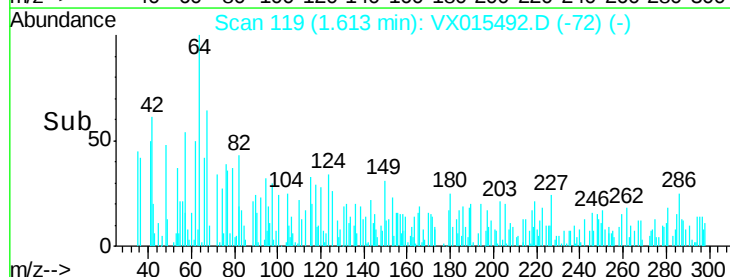
600

400

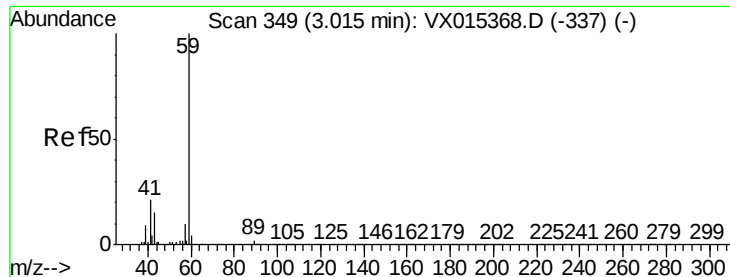
200

0

1.58 1.60 1.62 1.64



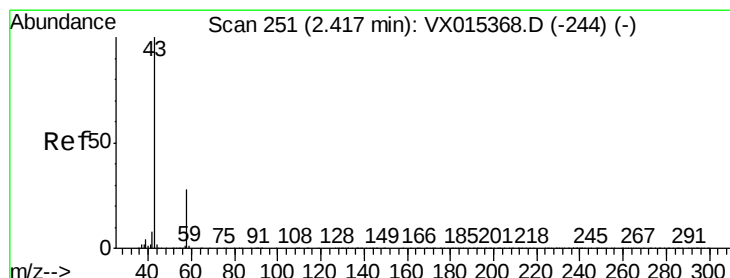
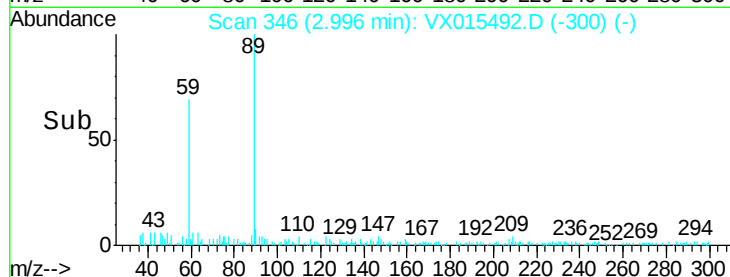
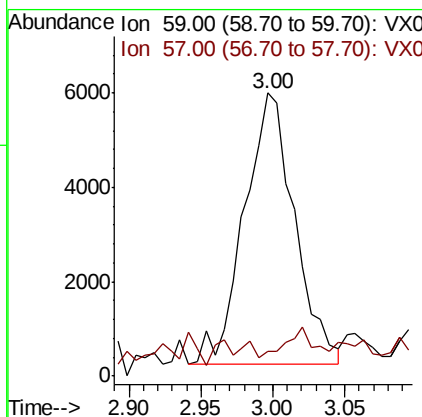
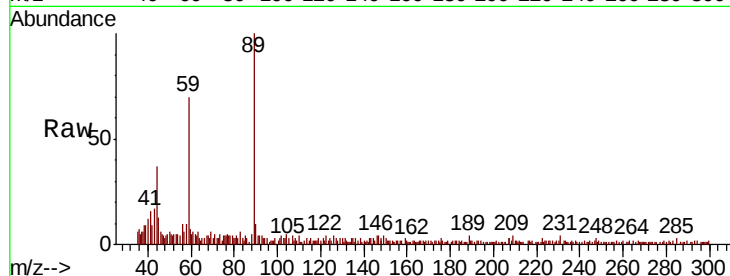
Time-->



#11
Tert butyl alcohol
Concen: 3.865 ug/l
RT: 3.00 min Scan# 346
Delta R.T. -0.02 min
Lab File: VX015492.D
Acq: 02 Apr 2020 19:08

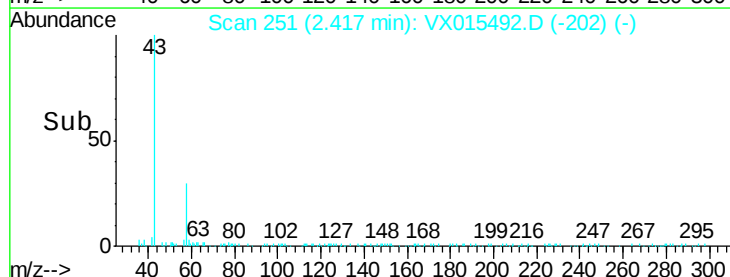
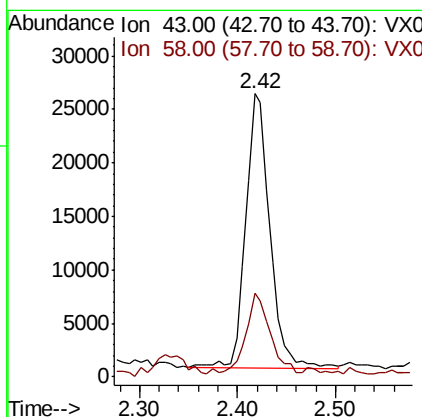
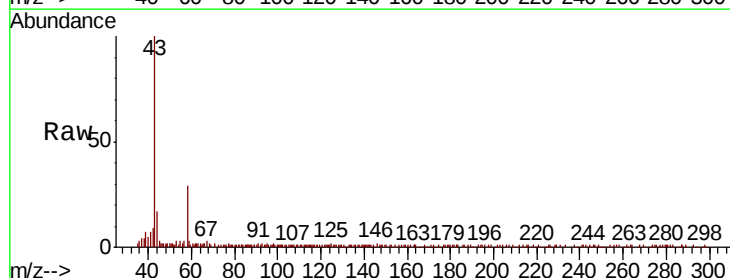
Instrument :
MSVOA_X
ClientSampleId :

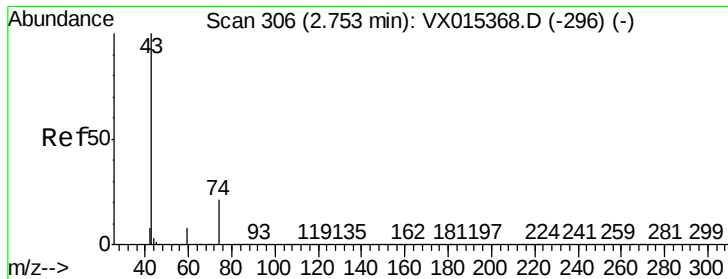
Tot Ion: 59 Resp: 13979
Ion Ratio Lower Upper
59 100
57 0.0 8.1 12.1#



#16
Acetone
Concen: 6.698 ug/l
RT: 2.42 min Scan# 251
Delta R.T. -0.00 min
Lab File: VX015492.D
Acq: 02 Apr 2020 19:08

Tgt Ion: 43 Resp: 43481
Ion Ratio Lower Upper
43 100
58 28.1 22.1 33.1

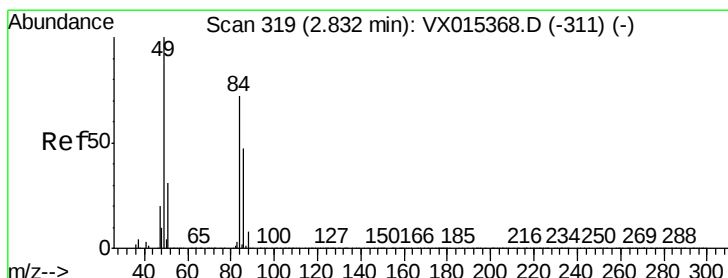
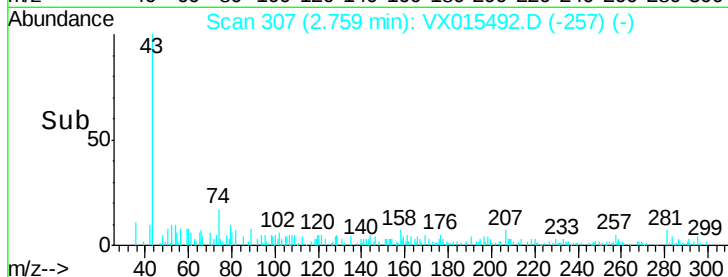
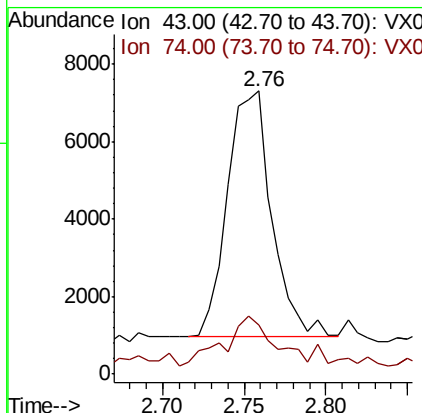
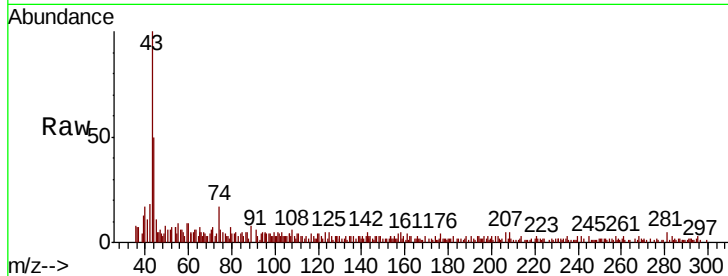




#18
Methyl Acetate
Concen: 0.729 ug/l
RT: 2.76 min Scan# 307
Delta R.T. 0.01 min
Lab File: VX015492.D
Acq: 02 Apr 2020 19:08

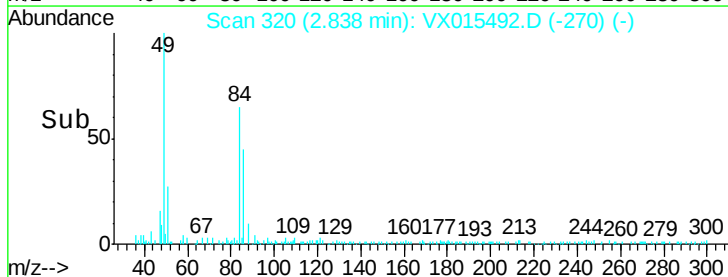
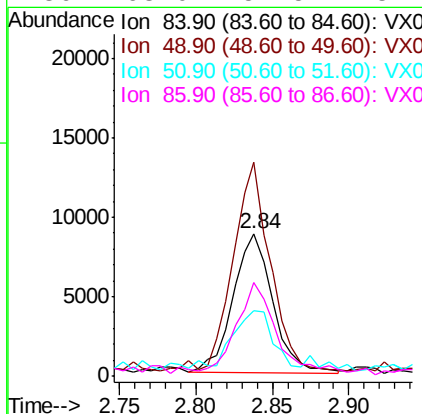
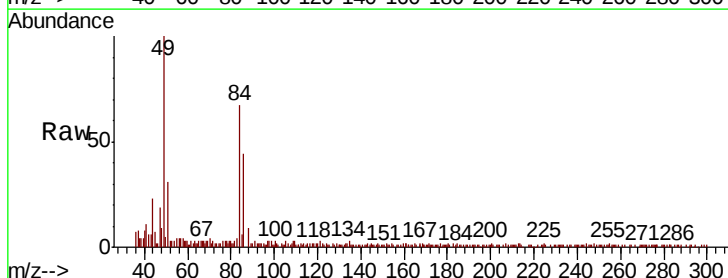
Instrument :
MSVOA_X
ClientSampleId :

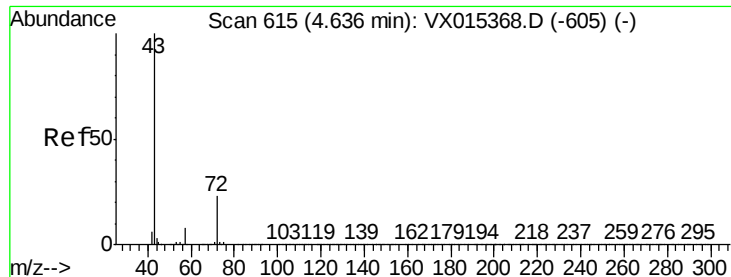
Tot Ion: 43 Resp: 12078
Ion Ratio Lower Upper
43 100
74 22.6 16.5 24.7



#20
Methylene Chloride
Concen: 1.307 ug/l
RT: 2.84 min Scan# 320
Delta R.T. 0.01 min
Lab File: VX015492.D
Acq: 02 Apr 2020 19:08

Tgt Ion: 84 Resp: 15854
Ion Ratio Lower Upper
84 100
49 149.4 111.3 166.9
51 41.9 34.0 51.0
86 63.0 52.5 78.7





#25

2-Butanone

Concen: 1.712 ug/l

RT: 4.65 min Scan# 617

Delta R.T. 0.01 min

Lab File: VX015492.D

Acq: 02 Apr 2020 19:08

Instrument :

MSVOA_X

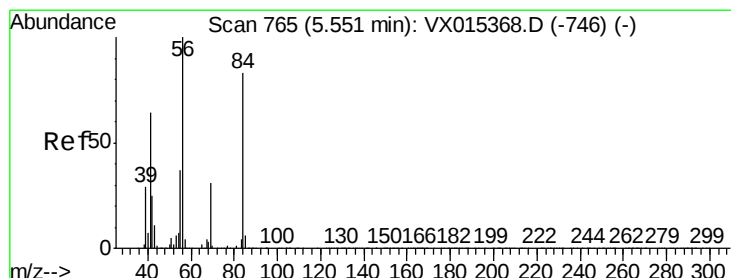
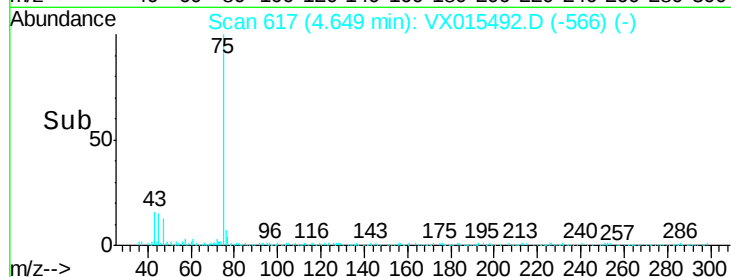
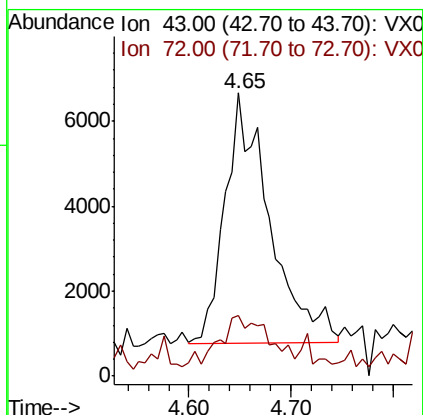
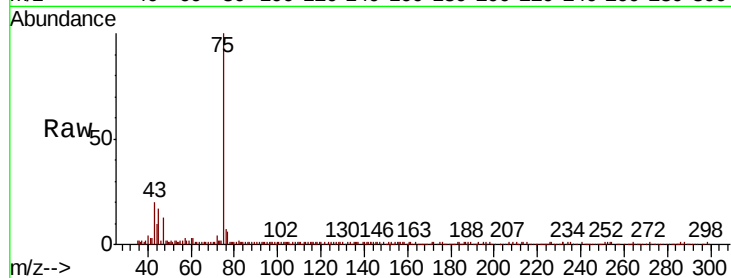
ClientSampleId :

Tot Ion: 43 Resp: 17876

Ion Ratio Lower Upper

43 100

72 18.9 19.0 28.4#



#31

Cyclohexane

Concen: 1.181 ug/l

RT: 5.64 min Scan# 779

Delta R.T. 0.09 min

Lab File: VX015492.D

Acq: 02 Apr 2020 19:08

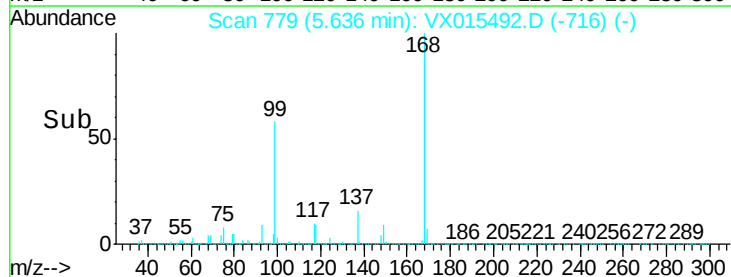
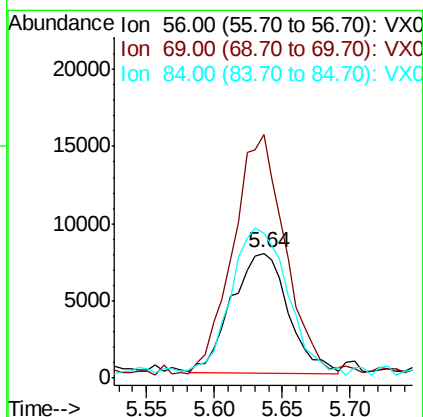
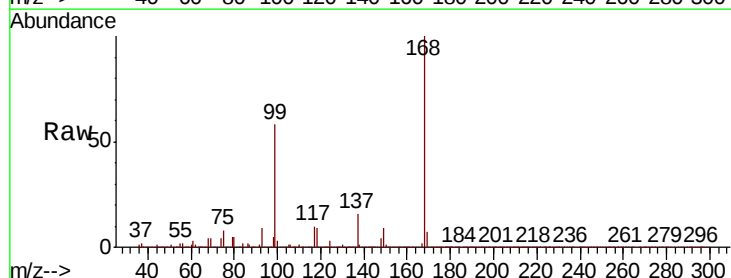
Tgt Ion: 56 Resp: 22582

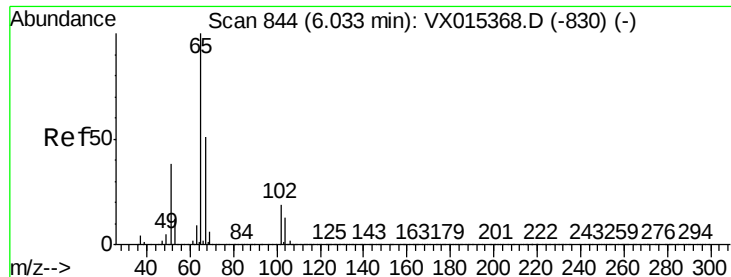
Ion Ratio Lower Upper

56 100

69 201.3 24.6 36.8#

84 115.5 66.1 99.1#





#33

1,2-Dichloroethane-d4

Concen: 48.899 ug/l

RT: 6.03 min Scan# 844

Delta R.T. -0.00 min

Lab File: VX015492.D

Acq: 02 Apr 2020 19:08

Instrument :

MSVOA_X

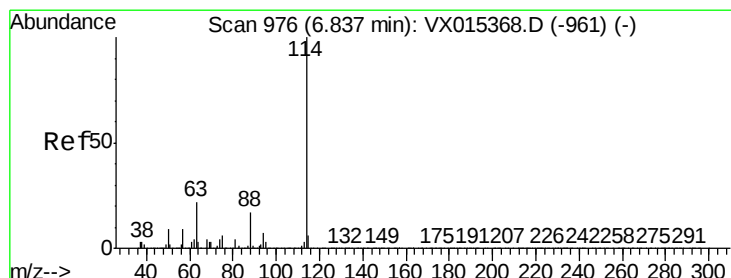
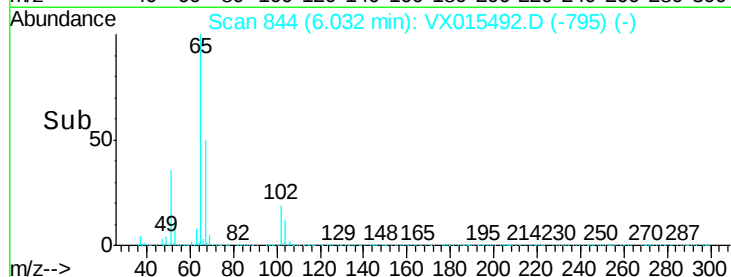
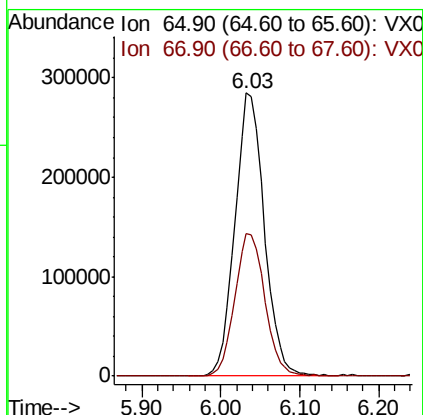
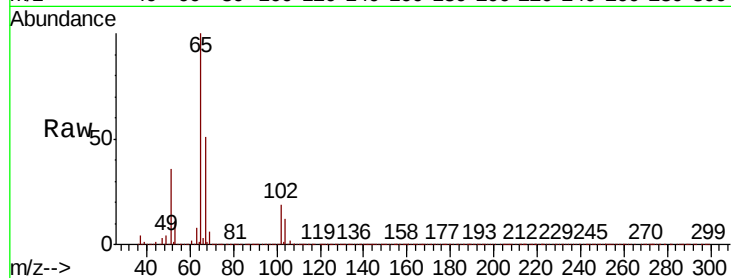
ClientSampleId :

Tot Ion: 65 Resp: 738908

Ion Ratio Lower Upper

65 100

67 51.1 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: VX015492.D

Acq: 02 Apr 2020 19:08

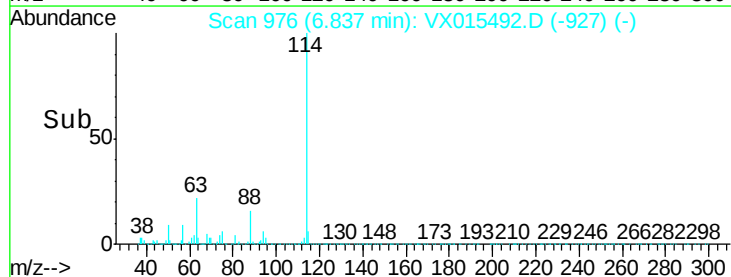
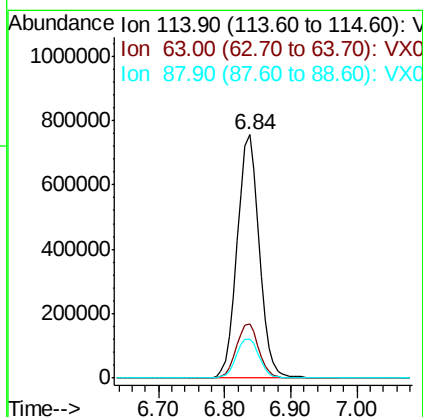
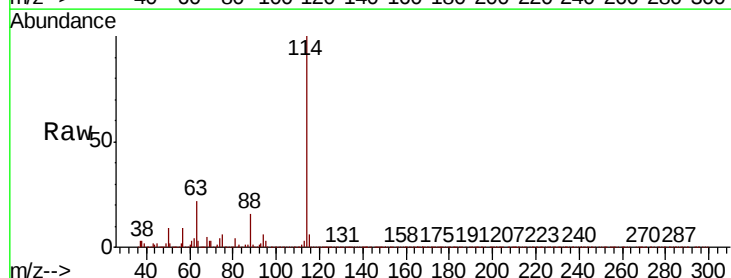
Tgt Ion: 114 Resp: 1750272

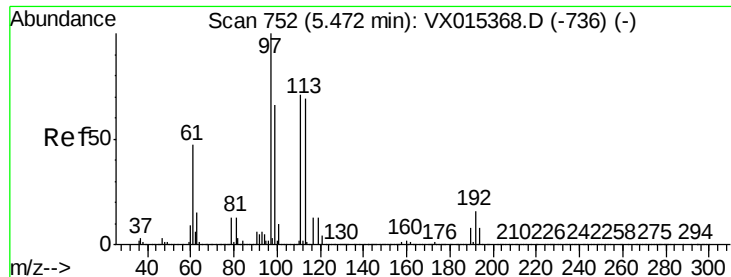
Ion Ratio Lower Upper

114 100

63 22.4 0.0 44.2

88 16.2 0.0 33.8

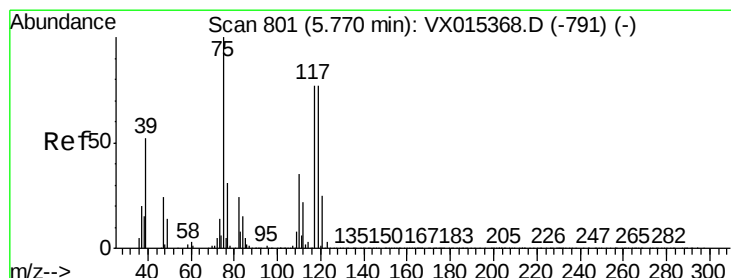
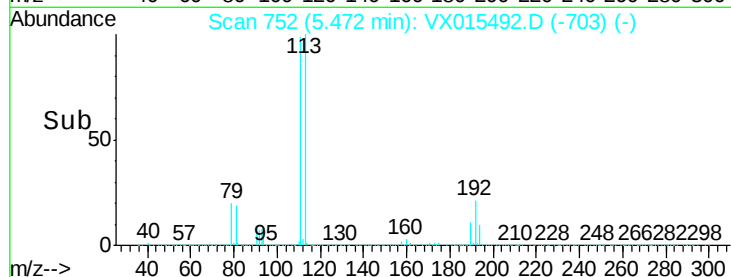
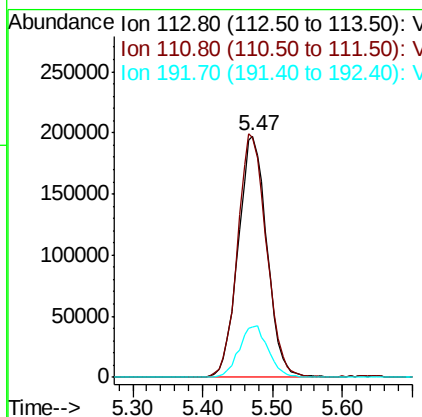
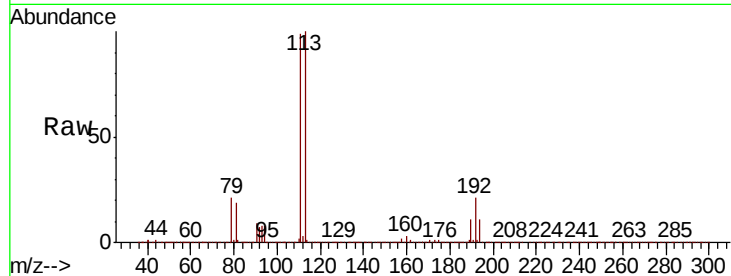




#35
Dibromofluoromethane
Concen: 50.148 ug/l
RT: 5.47 min Scan# 752
Delta R.T. -0.00 min
Lab File: VX015492.D
Acq: 02 Apr 2020 19:08

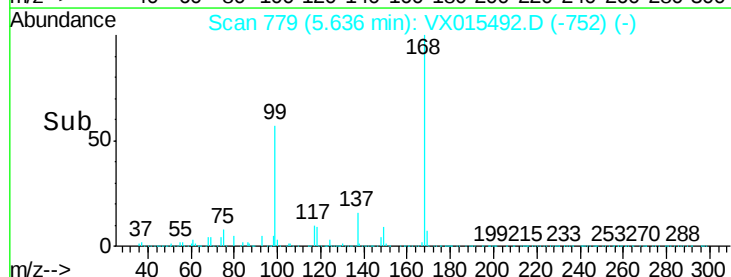
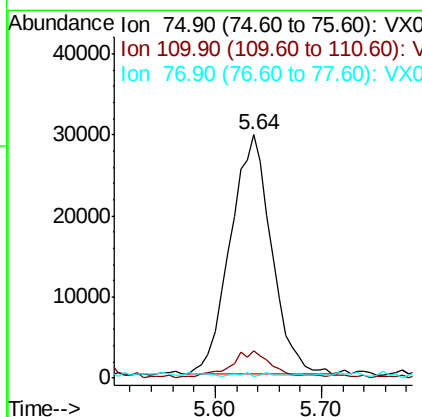
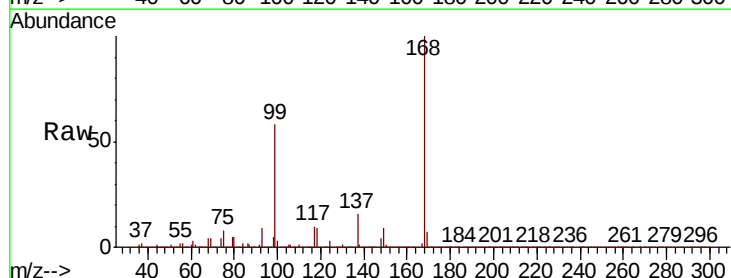
Instrument :
MSVOA_X
ClientSampled :

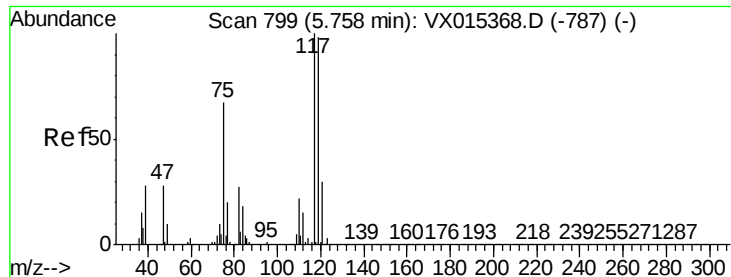
Tot Ion	Ratio	Lower	Upper
113	100		
111	101.2	81.5	122.3
192	21.8	17.8	26.6



#36
1,1-Dichloropropene
Concen: 4.923 ug/l
RT: 5.64 min Scan# 779
Delta R.T. -0.13 min
Lab File: VX015492.D
Acq: 02 Apr 2020 19:08

Tgt Ion	Ratio	Lower	Upper
75	100		
110	12.1	17.1	51.3#
77	0.6	24.6	36.8#





#38

Carbon Tetrachloride

Concen: 5.951 ug/l

RT: 5.64 min Scan# 779

Delta R.T. -0.12 min

Lab File: VX015492.D

Acq: 02 Apr 2020 19:08

Instrument :

MSVOA_X

ClientSampleId :

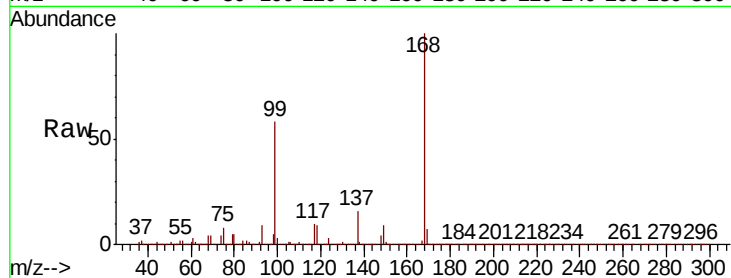
Tot Ion:117 Resp: 103946

Ion Ratio Lower Upper

117 100

119 4.1 78.0 117.0#

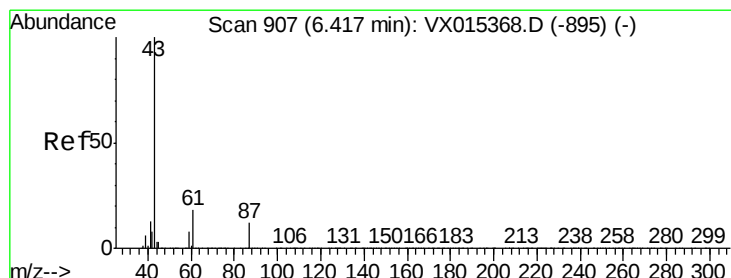
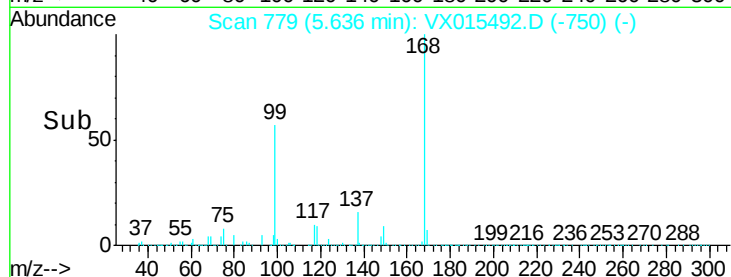
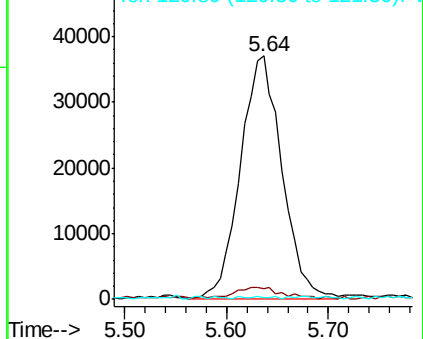
121 0.1 23.8 35.8#



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: 9.866 ug/l

RT: 6.42 min Scan# 907

Delta R.T. -0.00 min

Lab File: VX015492.D

Acq: 02 Apr 2020 19:08

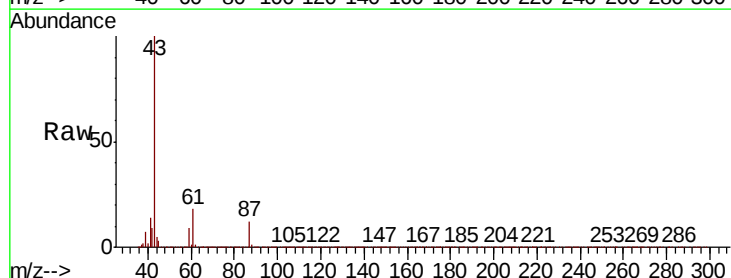
Tgt Ion: 43 Resp: 349708

Ion Ratio Lower Upper

43 100

61 18.2 14.8 22.2

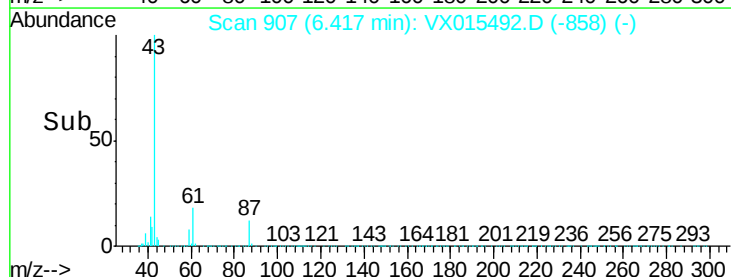
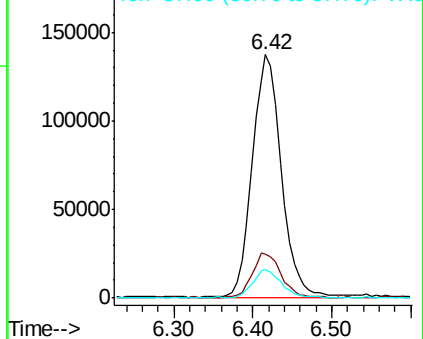
87 11.8 9.4 14.0

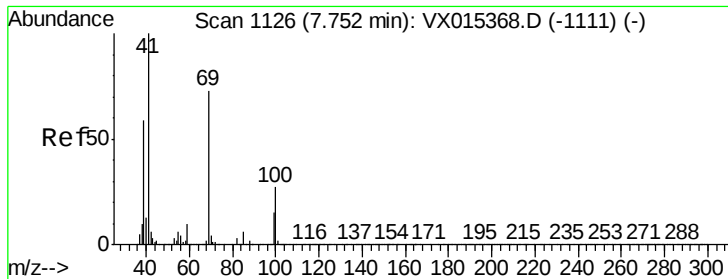


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 87.00 (86.70 to 87.70): VX0

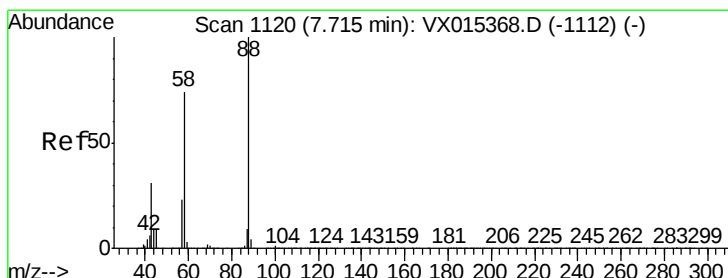
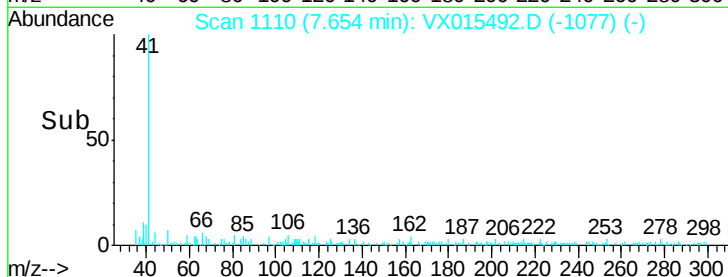
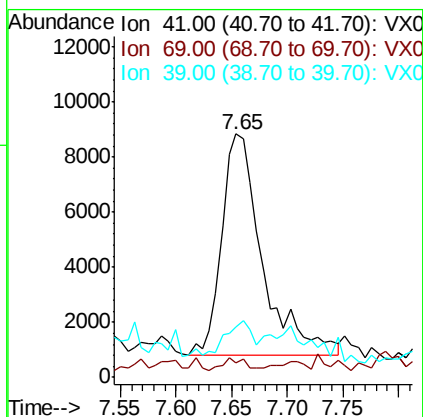
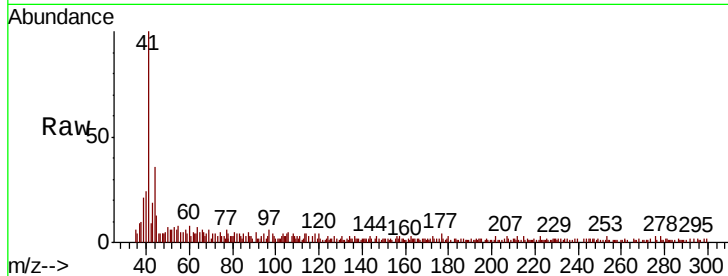




#48
Methvl methacrylate
Concen: 1.161 ug/l
RT: 7.65 min Scan# 1110
Delta R.T. -0.10 min
Lab File: VX015492.D
Acq: 02 Apr 2020 19:08

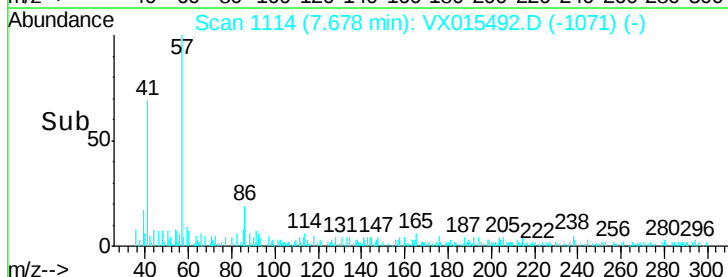
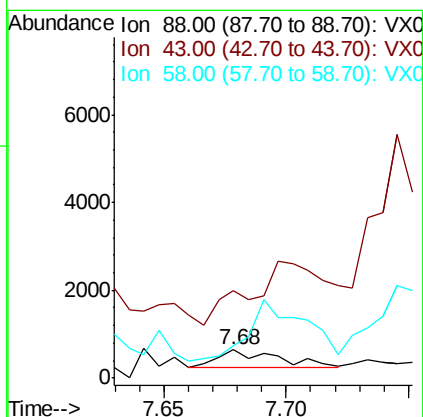
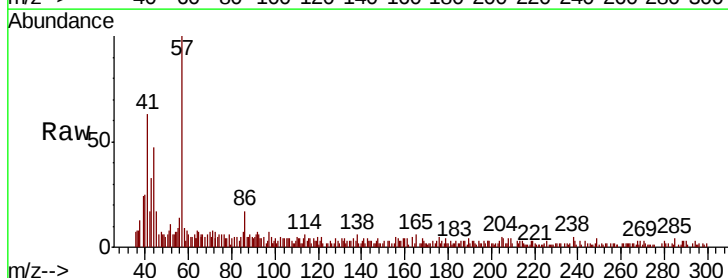
Instrument :
MSVOA_X
ClientSampleId :

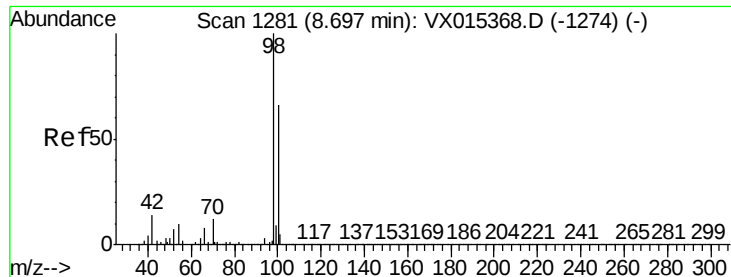
Tot Ion	Ratio	Lower	Upper
41	100		
69	2.8	56.7	85.1#
39	0.0	46.5	69.7#



#49
1,4-Dioxane
Concen: 2.192 ug/l
RT: 7.68 min Scan# 1114
Delta R.T. -0.04 min
Lab File: VX015492.D
Acq: 02 Apr 2020 19:08

Tgt Ion	Ratio	Lower	Upper
88	100		
43	0.0	30.1	45.1#
58	317.3	60.6	90.8#





#50

Toluene-d8

Concen: 51.220 ug/l

RT: 8.70 min Scan# 1281

Delta R.T. -0.00 min

Lab File: VX015492.D

Acq: 02 Apr 2020 19:08

Instrument :

MSVOA_X

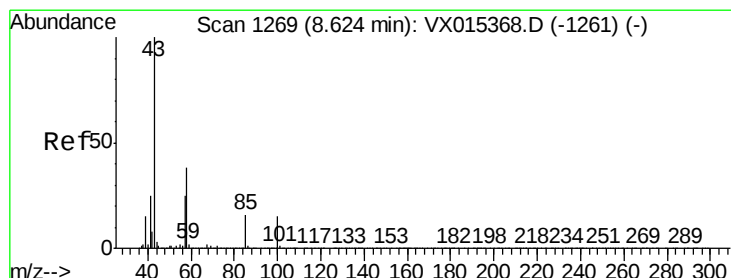
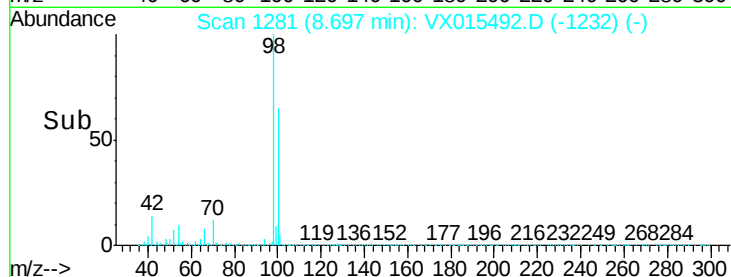
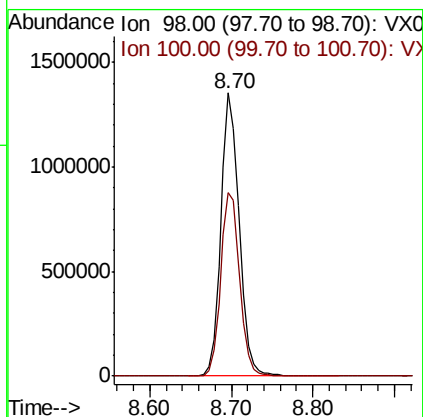
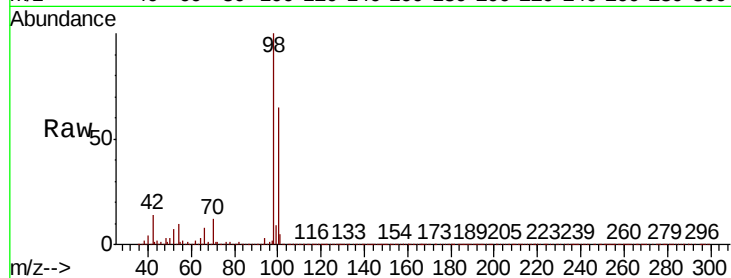
ClientSampleId :

Tot Ion: 98 Resp: 2109837

Ion Ratio Lower Upper

98 100

100 67.0 53.5 80.3



#51

4-Methyl-2-Pentanone

Concen: 16.683 ug/l

RT: 8.60 min Scan# 1265

Delta R.T. -0.02 min

Lab File: VX015492.D

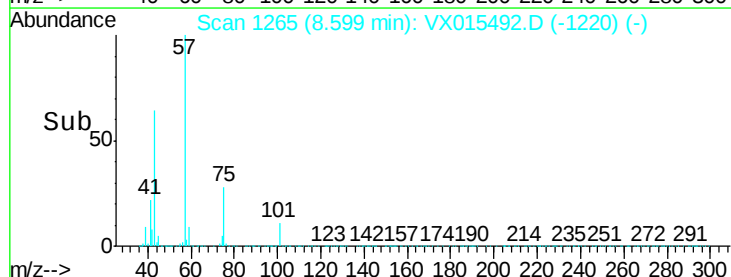
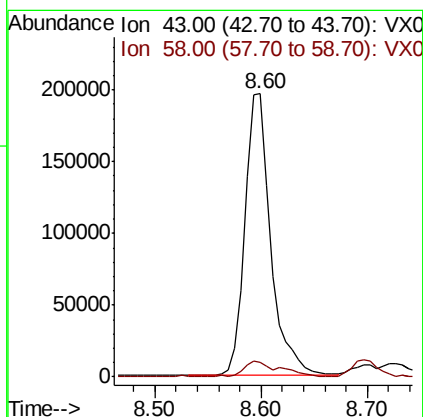
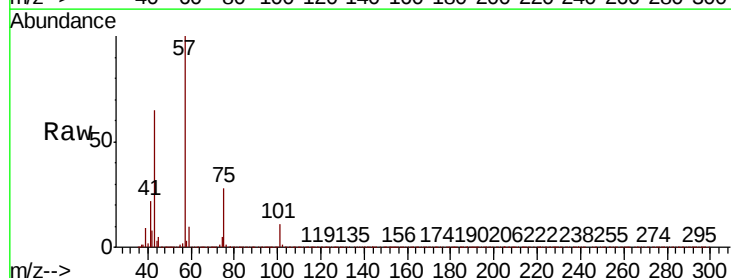
Acq: 02 Apr 2020 19:08

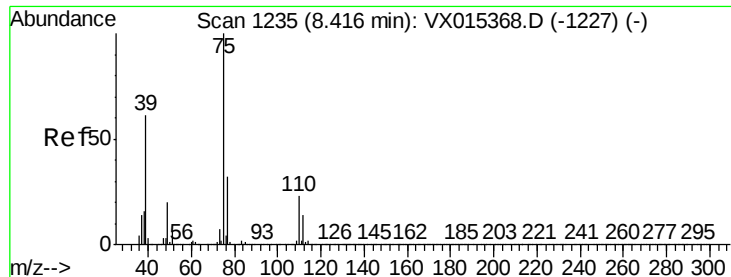
Tgt Ion: 43 Resp: 335147

Ion Ratio Lower Upper

43 100

58 5.1 29.7 44.5#





#54

cis-1,3-Dichloropropene

Concen: 6.271 ug/l

RT: 8.59 min Scan# 1264

Delta R.T. 0.18 min

Lab File: VX015492.D

Acq: 02 Apr 2020 19:08

Instrument :

MSVOA_X

ClientSampleId :

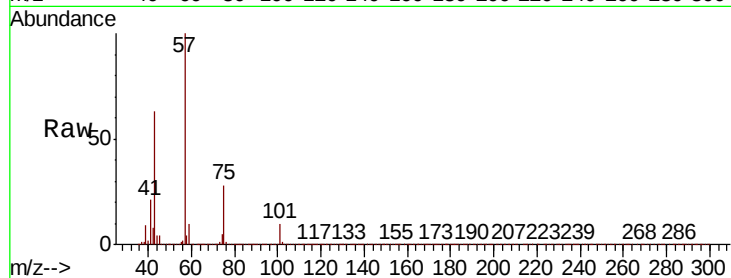
Tot Ion: 75 Resp: 135323

Ion Ratio Lower Upper

75 100

77 0.2 25.8 38.6#

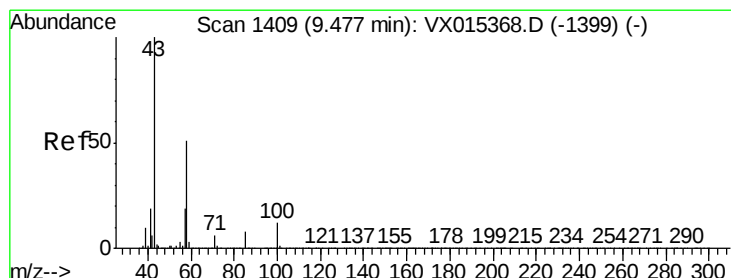
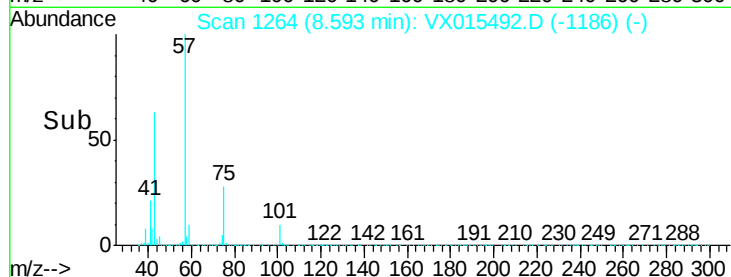
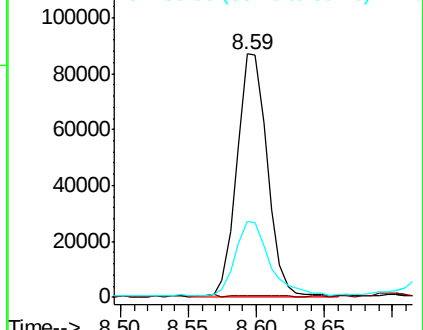
39 30.5 49.0 73.4#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0

Ion 39.00 (38.70 to 39.70): VX0



#59

2-Hexanone

Concen: 24.255 ug/l

RT: 9.53 min Scan# 1417

Delta R.T. 0.05 min

Lab File: VX015492.D

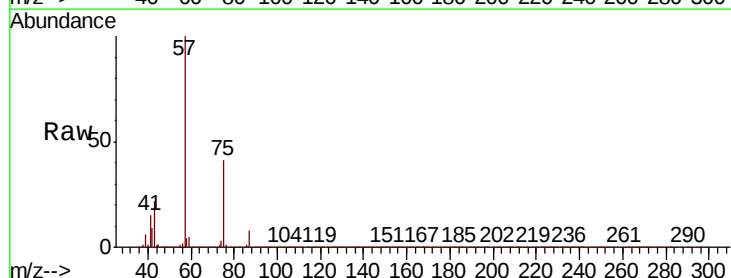
Acq: 02 Apr 2020 19:08

Tgt Ion: 43 Resp: 367858

Ion Ratio Lower Upper

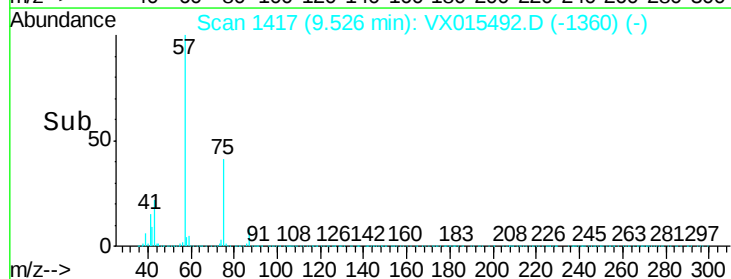
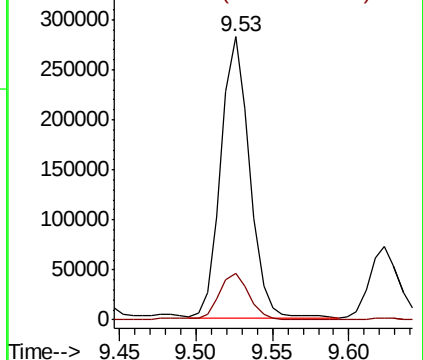
43 100

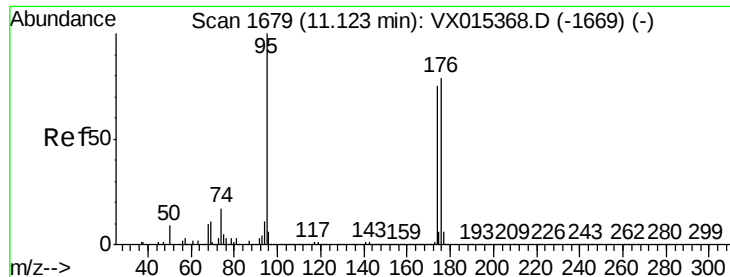
58 17.2 25.6 76.6#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#62

4-Bromofluorobenzene

Concen: 55.394 ug/l

RT: 11.12 min Scan# 1679

Delta R.T. -0.00 min

Lab File: VX015492.D

Acq: 02 Apr 2020 19:08

Instrument :

MSVOA_X

ClientSampled :

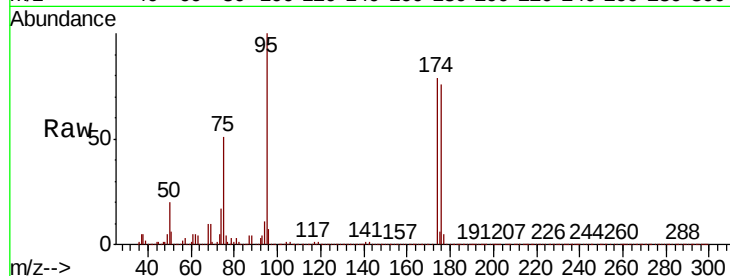
Tot Ion: 95 Resp: 927331

Ion Ratio Lower Upper

95 100

174 79.1 0.0 158.6

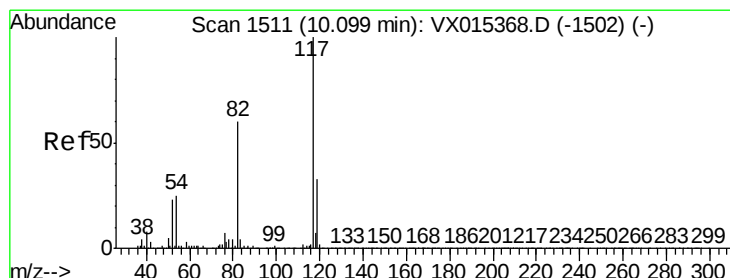
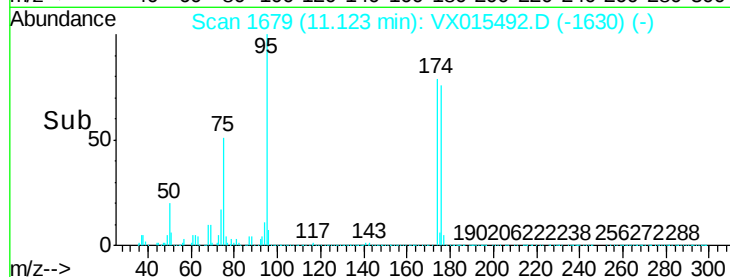
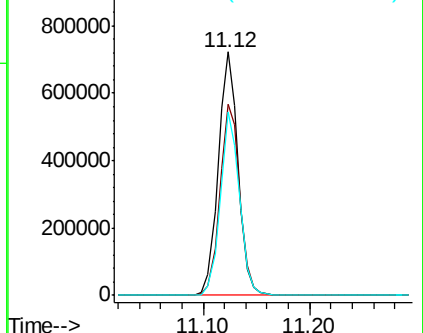
176 73.6 0.0 159.0



Abundance Ion 94.90 (94.60 to 95.60): VX015492.D (-1630) (-)

Ion 173.80 (173.50 to 174.50): VX015492.D (-1630) (-)

Ion 175.80 (175.50 to 176.50): VX015492.D (-1630) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.10 min Scan# 1511

Delta R.T. -0.00 min

Lab File: VX015492.D

Acq: 02 Apr 2020 19:08

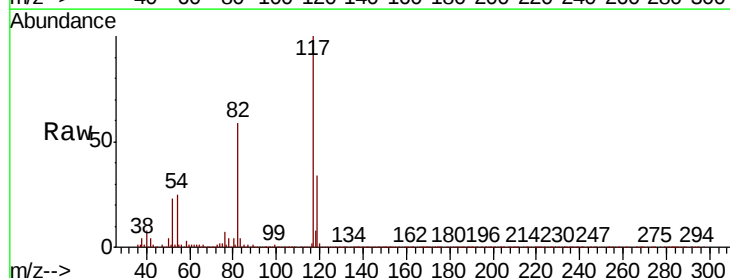
Tgt Ion: 117 Resp: 1685990

Ion Ratio Lower Upper

117 100

82 58.5 47.8 71.8

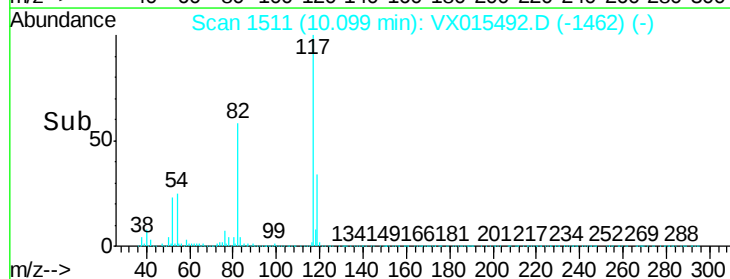
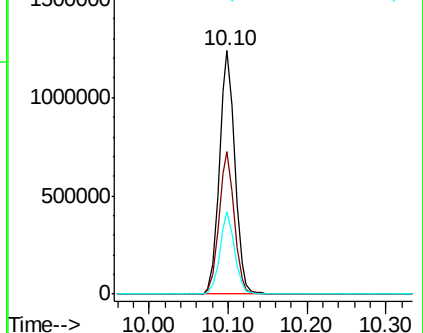
119 33.9 26.8 40.2

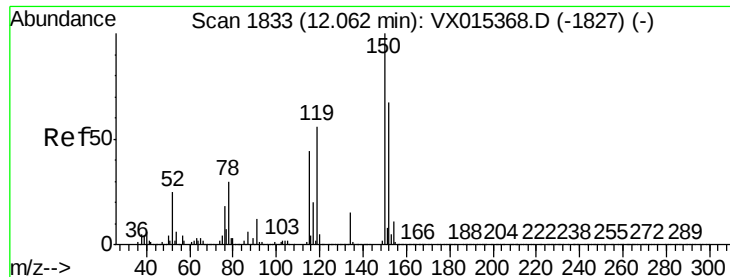


Abundance Ion 116.90 (116.60 to 117.60): VX015492.D (-1462) (-)

Ion 82.00 (81.70 to 82.70): VX015492.D (-1462) (-)

Ion 118.90 (118.60 to 119.60): VX015492.D (-1462) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.07 min Scan# 1834

Delta R.T. 0.01 min

Lab File: VX015492.D

Acq: 02 Apr 2020 19:08

Instrument :

MSVOA_X

ClientSampleId :

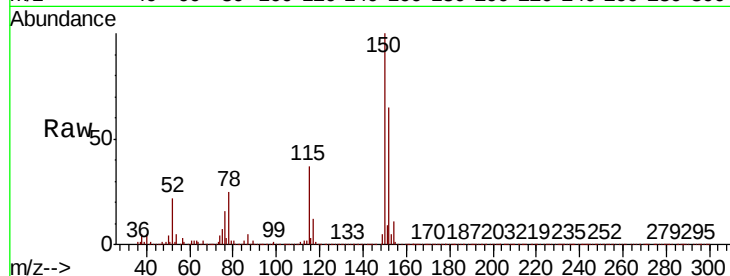
Tot Ion:152 Resp: 891424

Ion Ratio Lower Upper

152 100

115 60.5 39.0 116.9

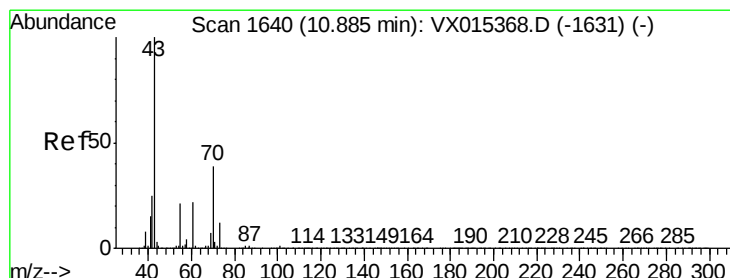
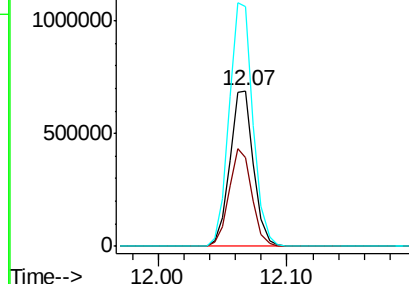
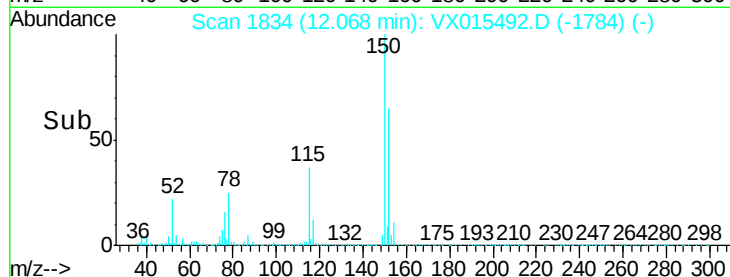
150 157.3 0.0 340.8



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#74

N-ethyl acetate

Concen: 0.540 ug/l

RT: 10.81 min Scan# 1628

Delta R.T. -0.07 min

Lab File: VX015492.D

Acq: 02 Apr 2020 19:08

Tgt Ion: 43 Resp: 17549

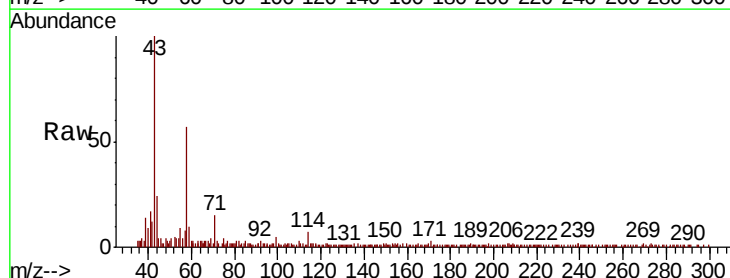
Ion Ratio Lower Upper

43 100

70 0.0 30.2 45.4#

55 9.1 16.8 25.2#

61 0.0 18.2 27.2#

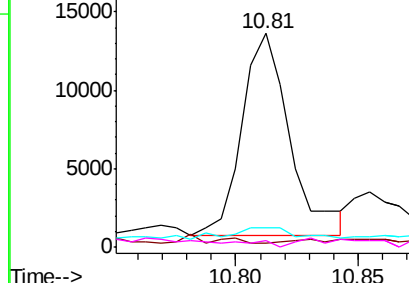
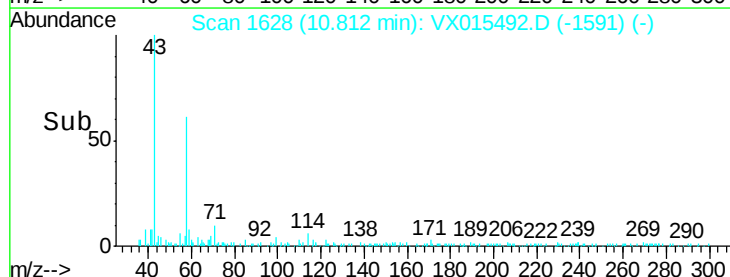


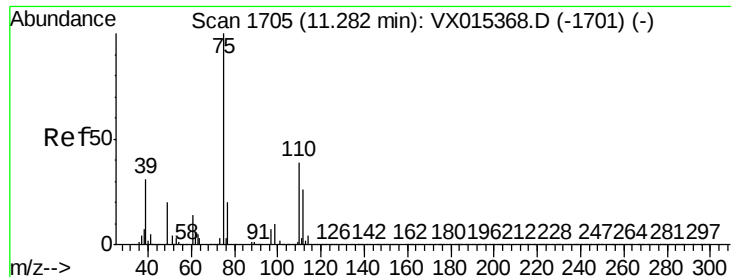
Abundance Ion 43.00 (42.70 to 43.70): VX0

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: 26.114 ug/l

RT: 11.12 min Scan# 1679

Delta R.T. -0.16 min

Lab File: VX015492.D

Acq: 02 Apr 2020 19:08

Instrument :

MSVOA_X

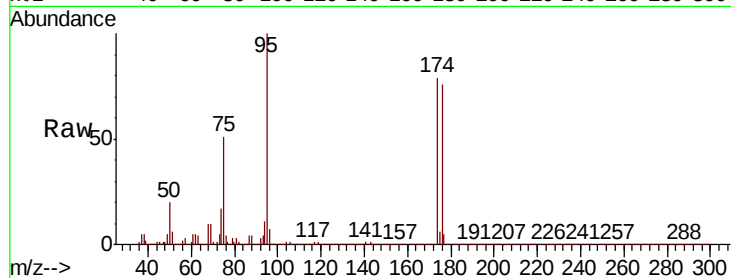
ClientSampleId :

Tot Ion: 75 Resp: 478709

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

11.12

400000

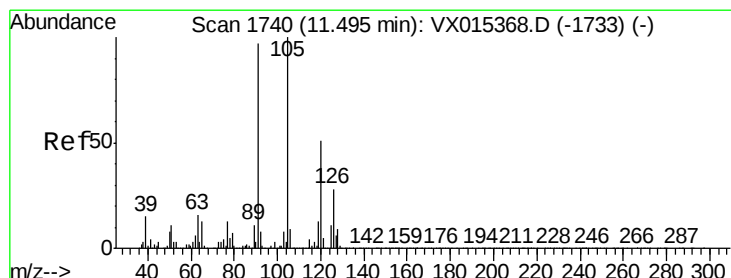
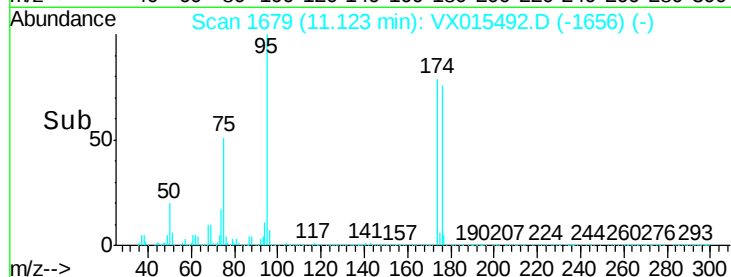
300000

200000

100000

0

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 0.319 ug/l

RT: 11.49 min Scan# 1740

Delta R.T. -0.00 min

Lab File: VX015492.D

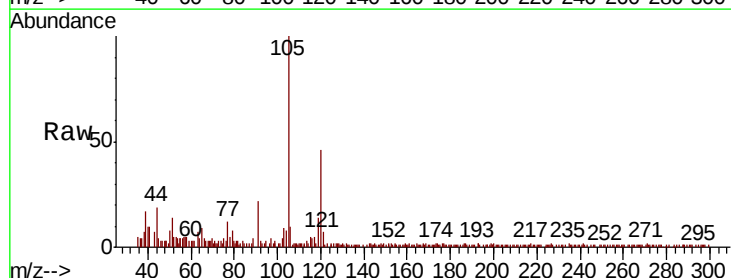
Acq: 02 Apr 2020 19:08

Tgt Ion:105 Resp: 15899

Ion Ratio Lower Upper

105 100

120 46.2 24.8 74.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

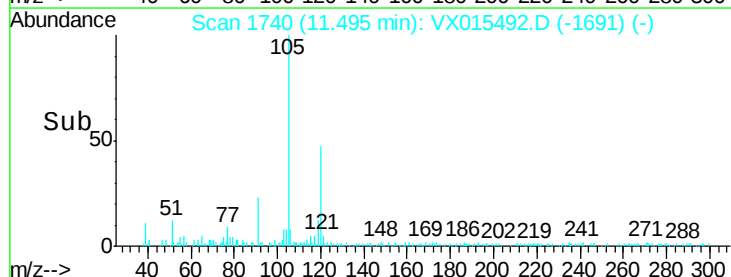
11.49

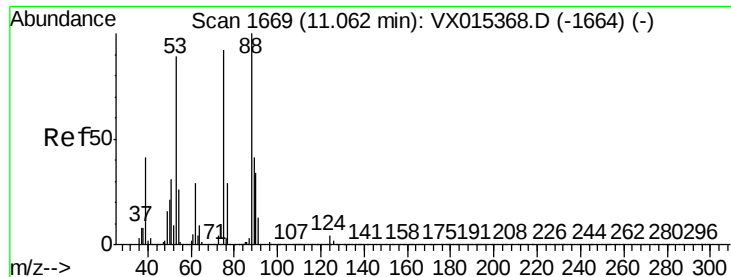
10000

5000

0

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 62.660 ug/l

RT: 11.12 min Scan# 1679

Delta R.T. 0.06 min

Lab File: VX015492.D

Acq: 02 Apr 2020 19:08

Instrument :

MSVOA_X

ClientSampleId :

Tot Ion: 75 Resp: 478709

Ion Ratio Lower Upper

75 100

53 0.1 80.1 120.1#

89 0.0 36.1 54.1#

