

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX040220\
 Data File : VX015494.D
 Acq On : 02 Apr 2020 19:53
 Operator : JC/SP
 Sample : PB127948ZHE#16
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Apr 03 08:04:32 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	1071744	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	1733425	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	1658415	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	909612	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	727775	48.15	ug/l	0.00
Spiked Amount			Recovery	=	96.30%	
35) Dibromofluoromethane	5.47	113	547942	49.45	ug/l	0.00
Spiked Amount			Recovery	=	98.90%	
50) Toluene-d8	8.70	98	2075430	50.87	ug/l	0.00
Spiked Amount			Recovery	=	101.74%	
62) 4-Bromofluorobenzene	11.12	95	901413	54.37	ug/l	0.00
Spiked Amount			Recovery	=	108.74%	

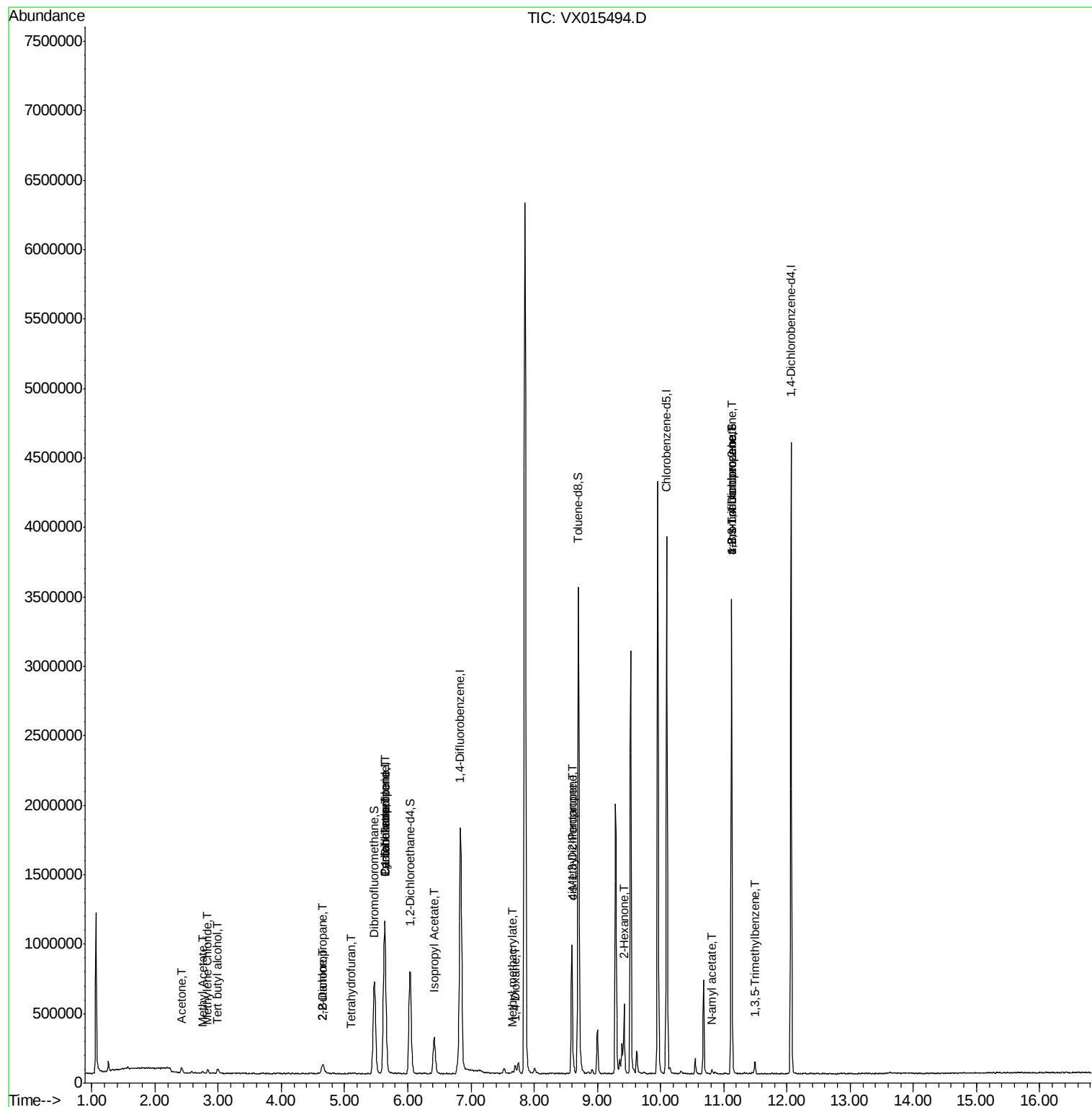
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.64	94	924	Below Cal	#	15
11) Tert butyl alcohol	3.00	59	21973	6.073	ug/l #	77
16) Acetone	2.42	43	46455	7.153	ug/l	97
18) Methyl Acetate	2.75	43	15575	0.940	ug/l	98
20) Methylene Chloride	2.84	84	13901	1.146	ug/l	88
25) 2-Butanone	4.65	43	11695	1.120	ug/l #	90
26) 2,2-Dichloropropane	4.65	77	5647	0.312	ug/l	89
29) Tetrahydrofuran	5.11	42	2165	0.322	ug/l #	50
31) Cyclohexane	5.64	56	23717	1.239	ug/l #	1
36) 1,1-Dichloropropene	5.63	75	79889	5.002	ug/l #	53
38) Carbon Tetrachloride	5.64	117	102323	5.915	ug/l #	15
43) Isopropyl Acetate	6.42	43	380967	10.852	ug/l	99
48) Methyl methacrylate	7.65	41	18072	1.031	ug/l #	19
49) 1,4-Dioxane	7.70	88	518	1.584	ug/l #	1
51) 4-Methyl-2-Pentanone	8.59	43	368718	18.533	ug/l #	52
54) cis-1,3-Dichloropropene	8.60	75	144285	6.751	ug/l #	55
59) 2-Hexanone	9.42	43	419140	27.904	ug/l #	27
74) N-amyl acetate	10.81	43	17969	0.542	ug/l #	56
76) 1,2,3-Trichloropropane	11.12	75	466898	24.961	ug/l #	35
80) 1,3,5-Trimethylbenzene	11.49	105	40343	0.793	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.12	75	466898	59.892	ug/l #	10

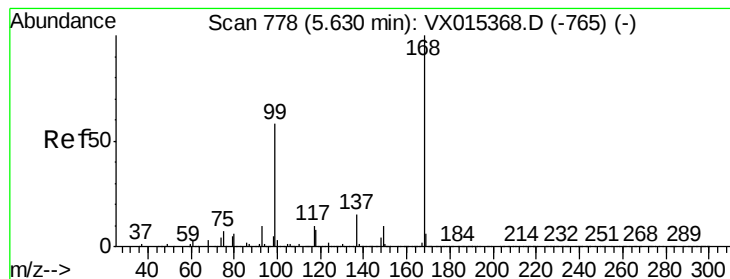
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Instrument :
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ClientSampleId :

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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: VX015494.D

Acq: 02 Apr 2020 19:53

Instrument :

MSVOA_X

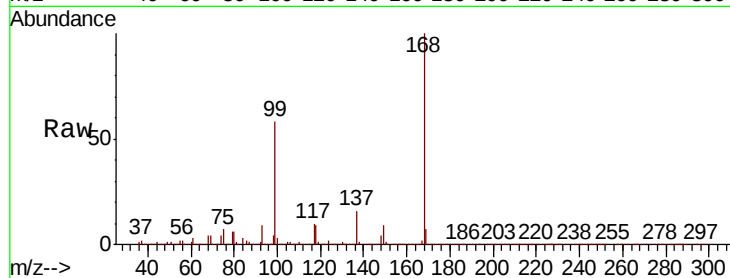
ClientSampleId :

Tot Ion:168 Resp: 1071744

Ion Ratio Lower Upper

168 100

99 58.2 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

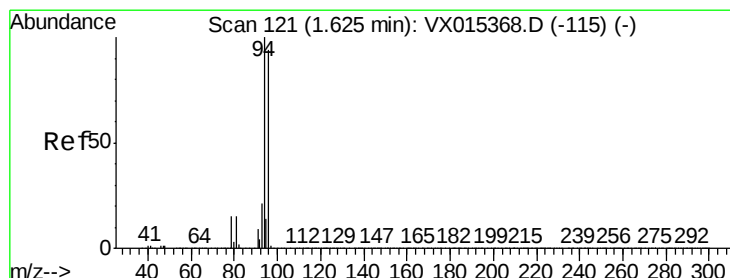
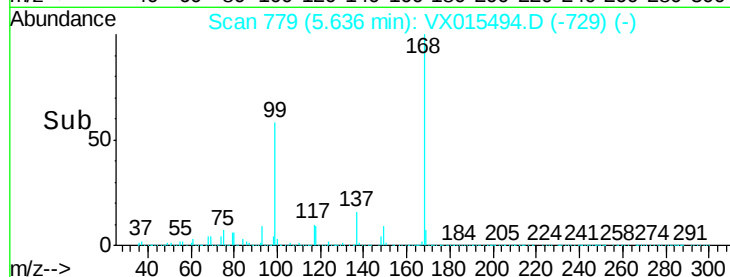
300000

200000

100000

0

Time-->



#5

Bromomethane

Concen: Below Cal

RT: 1.64 min Scan# 123

Delta R.T. 0.01 min

Lab File: VX015494.D

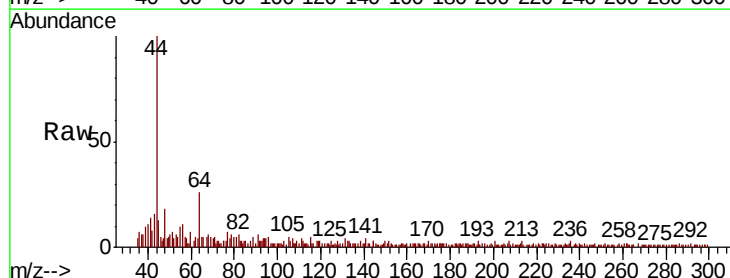
Acq: 02 Apr 2020 19:53

Tgt Ion: 94 Resp: 924

Ion Ratio Lower Upper

94 100

96 12.1 74.8 112.2#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1200

1000

800

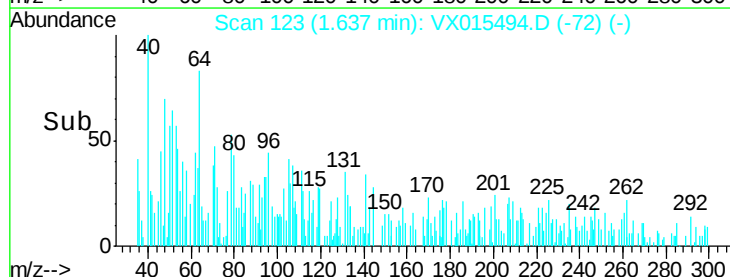
600

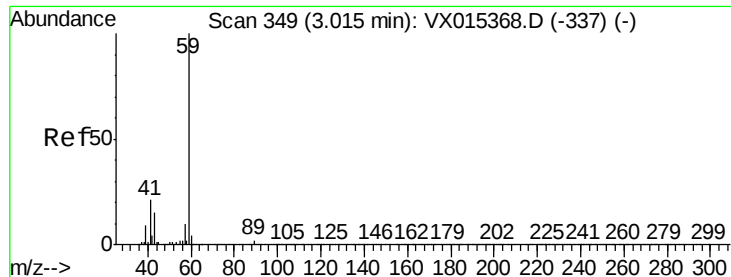
400

200

0

Time-->



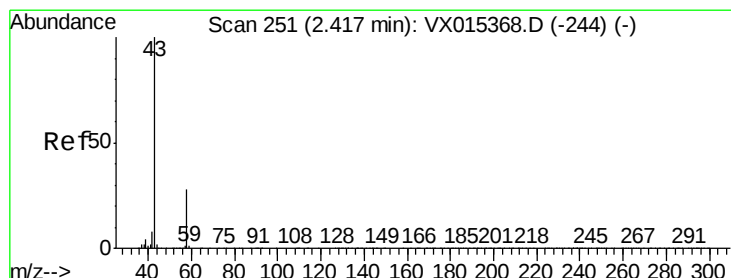
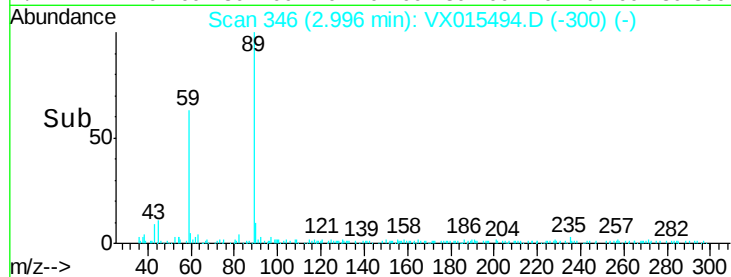
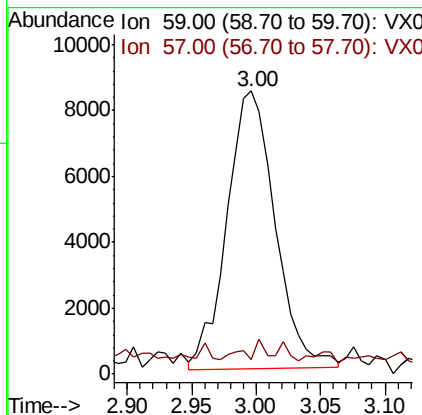
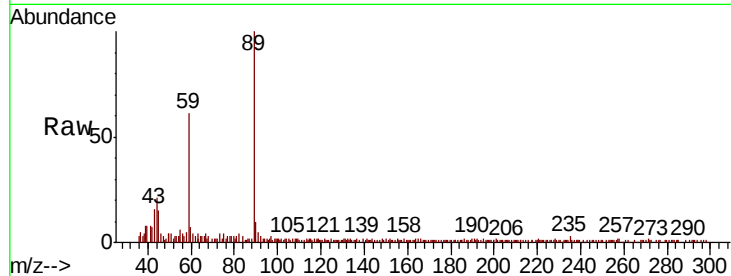


#11

Tert butyl alcohol
 Concen: 6.073 ug/l
 RT: 3.00 min Scan# 346
 Delta R.T. -0.02 min
 Lab File: VX015494.D
 Acq: 02 Apr 2020 19:53

Instrument :
 MSVOA_X
 ClientSampleId :

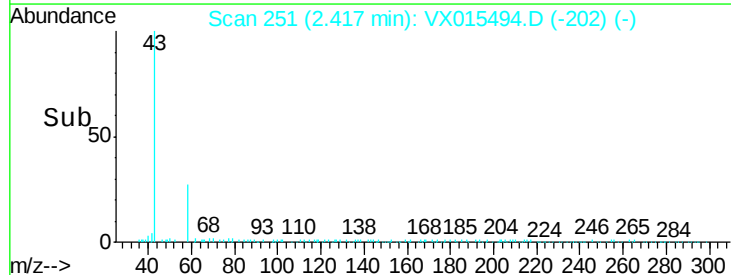
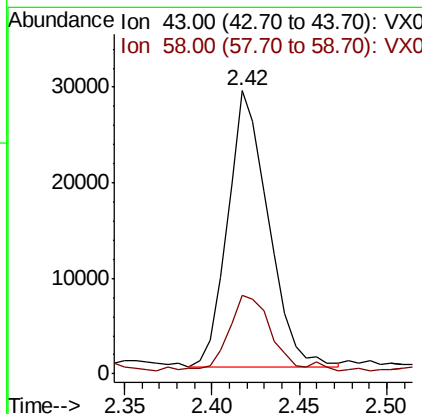
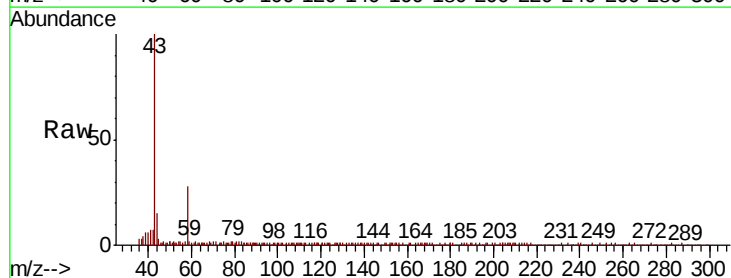
Tot Ion: 59 Resp: 21973
 Ion Ratio Lower Upper
 59 100
 57 1.7 8.1 12.1#

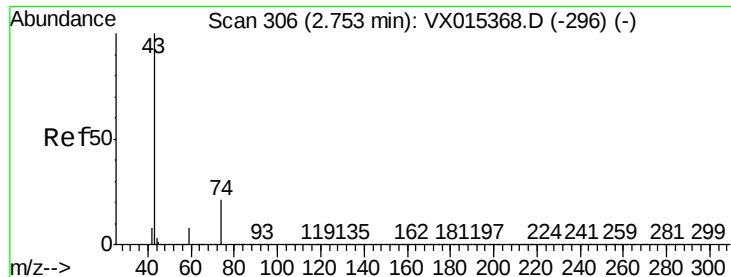


#16

Acetone
 Concen: 7.153 ug/l
 RT: 2.42 min Scan# 251
 Delta R.T. -0.00 min
 Lab File: VX015494.D
 Acq: 02 Apr 2020 19:53

Tgt Ion: 43 Resp: 46455
 Ion Ratio Lower Upper
 43 100
 58 25.8 22.1 33.1

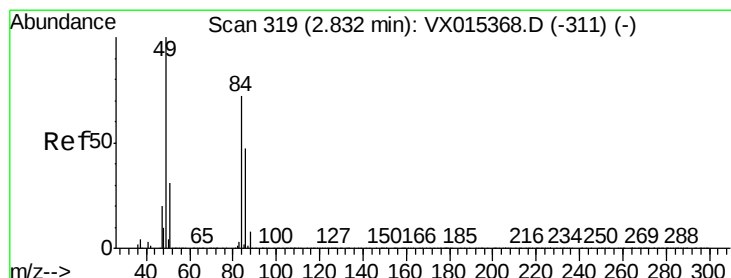
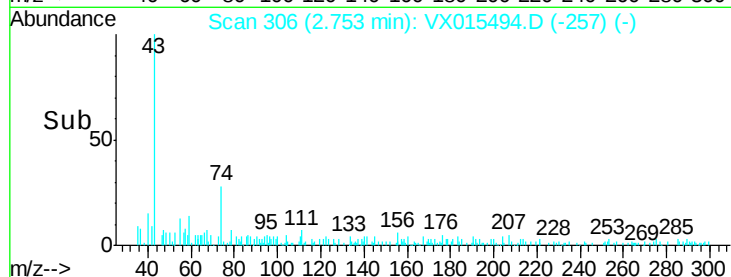
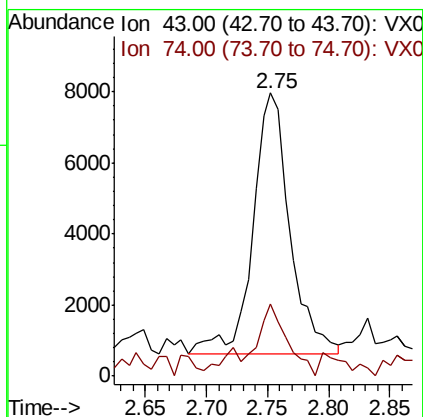
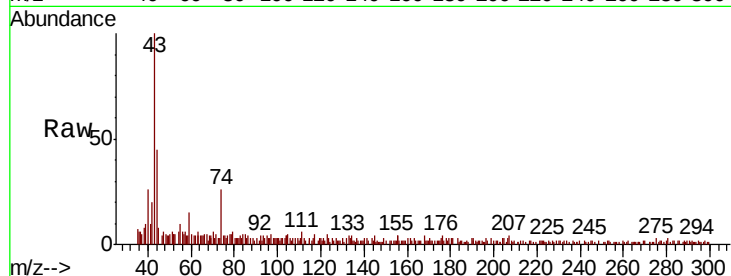




#18
Methvl Acetate
Concen: 0.940 ug/l
RT: 2.75 min Scan# 306
Delta R.T. -0.00 min
Lab File: VX015494.D
Acq: 02 Apr 2020 19:53

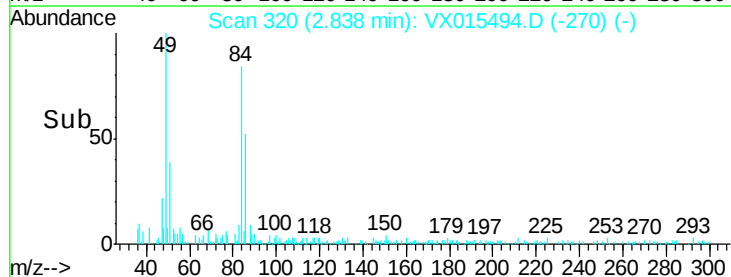
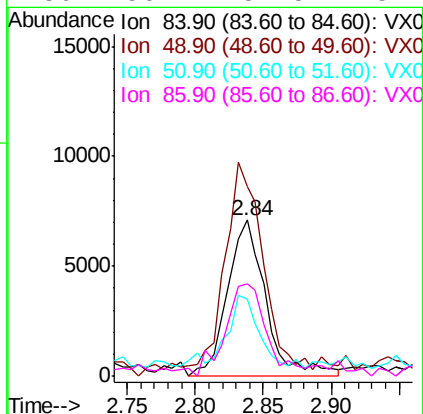
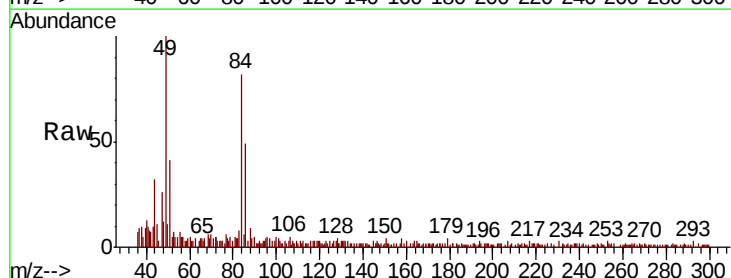
Instrument :
MSVOA_X
ClientSampleId :

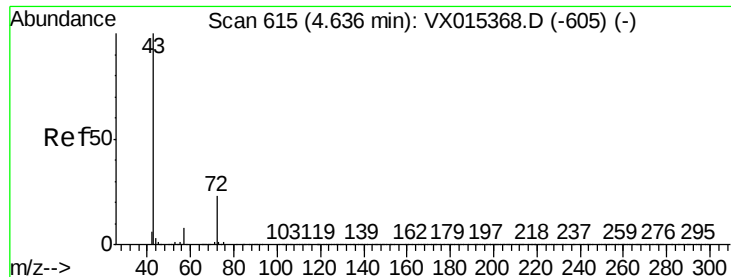
Tot Ion: 43 Resp: 15575
Ion Ratio Lower Upper
43 100
74 21.7 16.5 24.7



#20
Methylene Chloride
Concen: 1.146 ug/l
RT: 2.84 min Scan# 320
Delta R.T. 0.01 min
Lab File: VX015494.D
Acq: 02 Apr 2020 19:53

Tgt Ion: 84 Resp: 13901
Ion Ratio Lower Upper
84 100
49 119.2 111.3 166.9
51 41.9 34.0 51.0
86 56.7 52.5 78.7

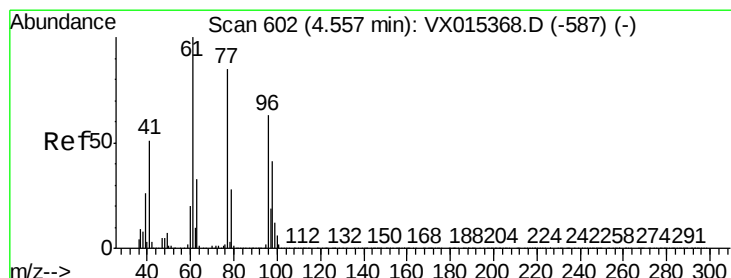
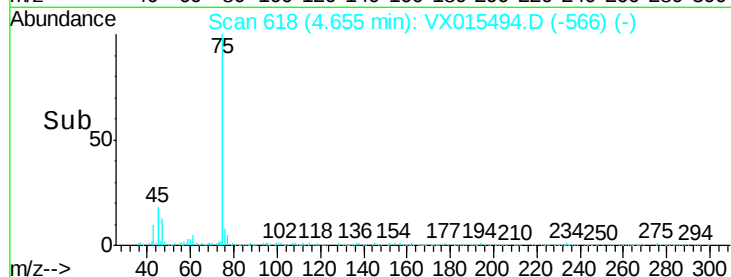
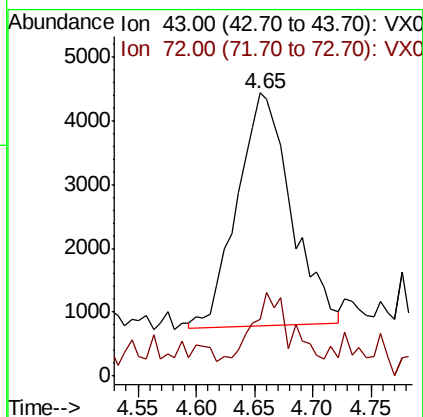
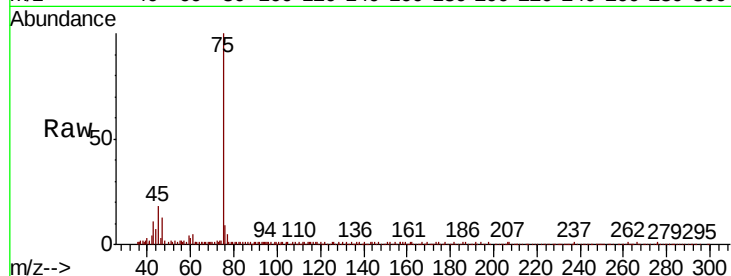




#25
2-Butanone
Concen: 1.120 ug/l
RT: 4.65 min Scan# 618
Delta R.T. 0.02 min
Lab File: VX015494.D
Acq: 02 Apr 2020 19:53

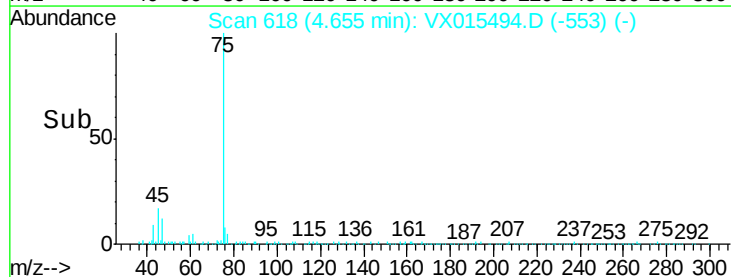
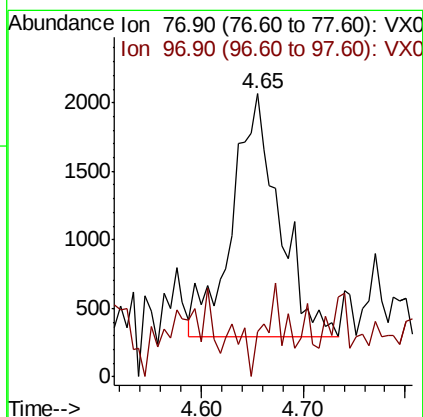
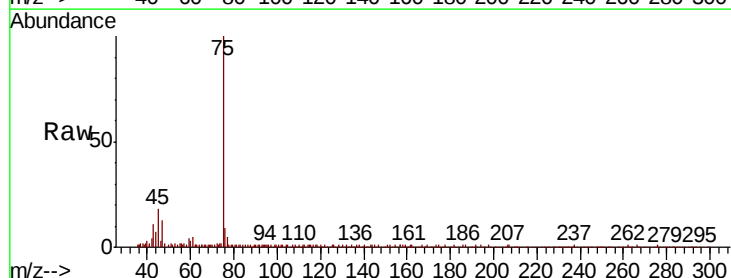
Instrument :
MSVOA_X
ClientSampleId :

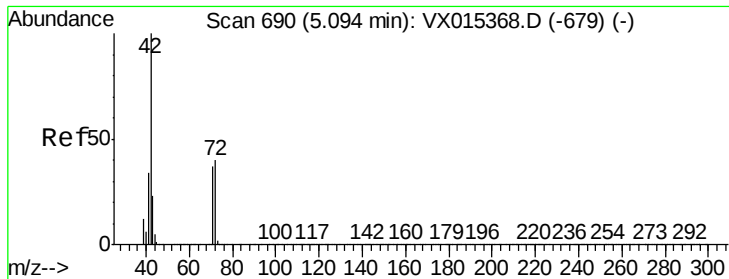
Tot Ion: 43 Resp: 11695
Ion Ratio Lower Upper
43 100
72 28.6 19.0 28.4#



#26
2,2-Dichloropropane
Concen: 0.312 ug/l
RT: 4.65 min Scan# 618
Delta R.T. 0.10 min
Lab File: VX015494.D
Acq: 02 Apr 2020 19:53

Tgt Ion: 77 Resp: 5647
Ion Ratio Lower Upper
77 100
97 17.1 11.3 33.8





#29

Tetrahydrofuran

Concen: 0.322 ug/l

RT: 5.11 min Scan# 692

Delta R.T. 0.01 min

Lab File: VX015494.D

Acq: 02 Apr 2020 19:53

Instrument :

MSVOA_X

ClientSampled :

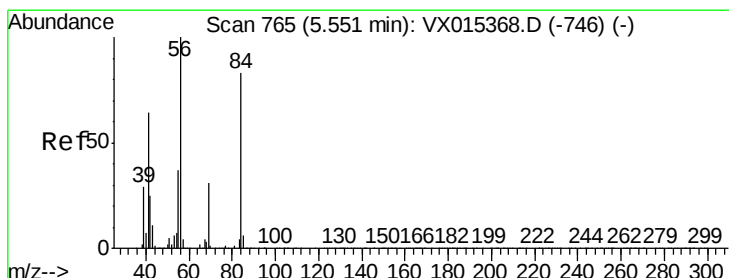
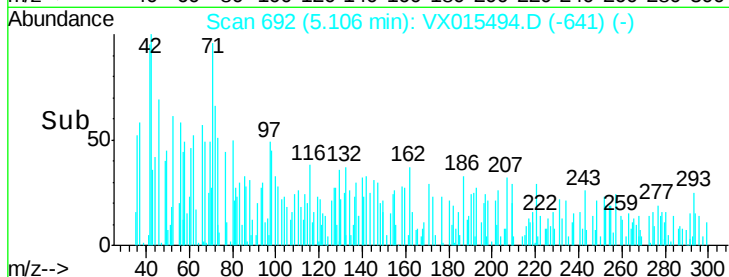
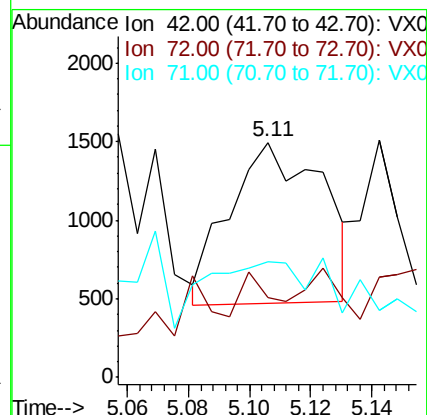
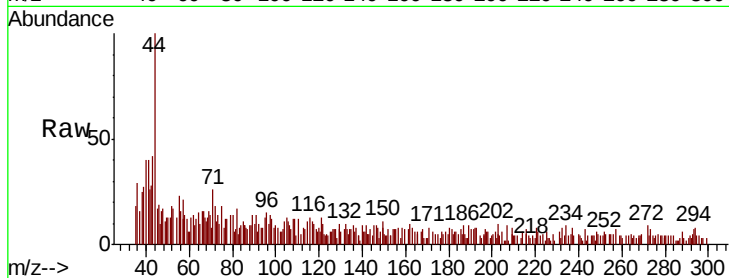
Tot Ion: 42 Resp: 2165

Ion Ratio Lower Upper

42 100

72 16.4 31.7 47.5#

71 0.0 29.6 44.4#



#31

Cyclohexane

Concen: 1.239 ug/l

RT: 5.64 min Scan# 779

Delta R.T. 0.09 min

Lab File: VX015494.D

Acq: 02 Apr 2020 19:53

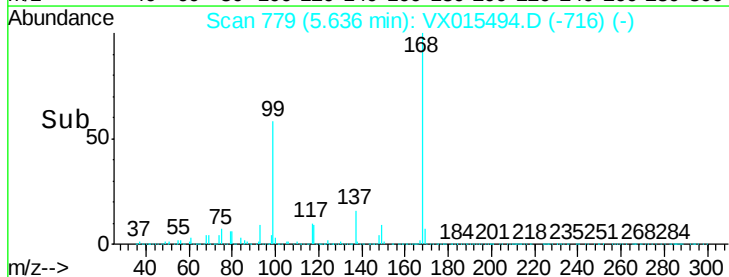
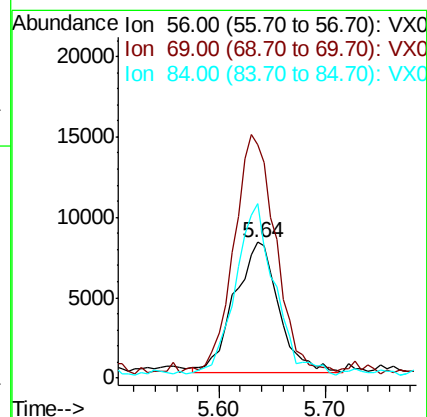
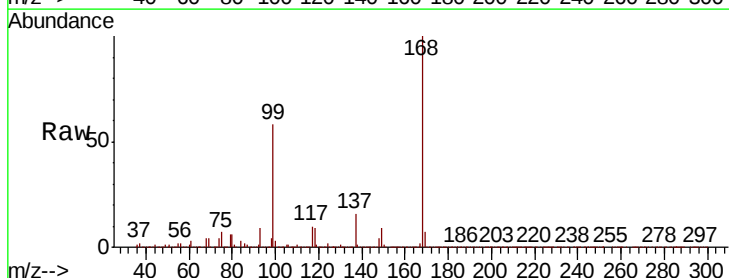
Tgt Ion: 56 Resp: 23717

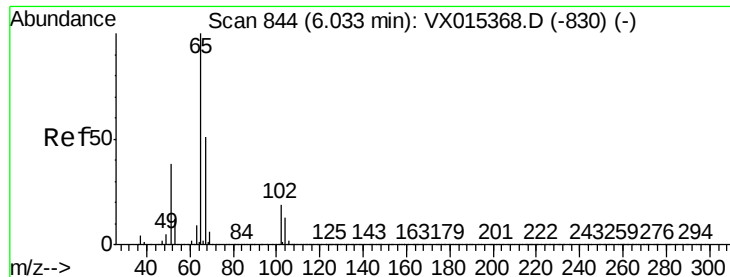
Ion Ratio Lower Upper

56 100

69 171.0 24.6 36.8#

84 129.5 66.1 99.1#





#33

1,2-Dichloroethane-d4

Concen: 48.147 ug/l

RT: 6.03 min Scan# 844

Delta R.T. -0.00 min

Lab File: VX015494.D

Acq: 02 Apr 2020 19:53

Instrument :

MSVOA_X

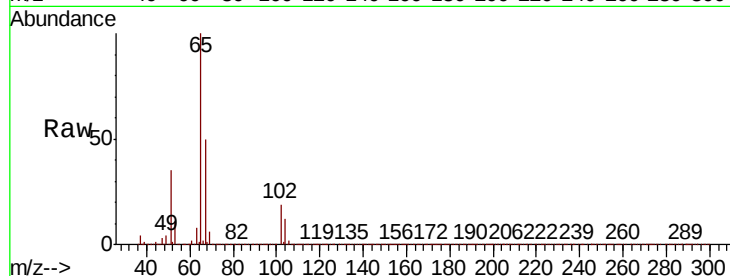
ClientSampleId :

Tot Ion: 65 Resp: 727775

Ion Ratio Lower Upper

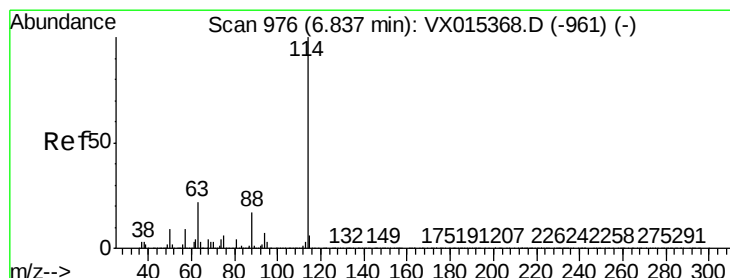
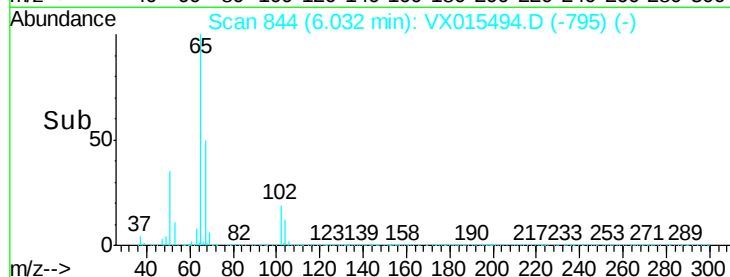
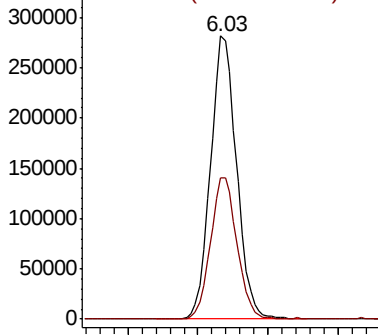
65 100

67 50.5 0.0 102.6



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.83 min Scan# 975

Delta R.T. -0.01 min

Lab File: VX015494.D

Acq: 02 Apr 2020 19:53

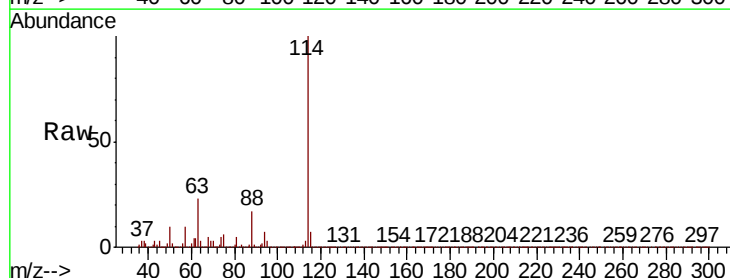
Tgt Ion: 114 Resp: 1733425

Ion Ratio Lower Upper

114 100

63 23.4 0.0 44.2

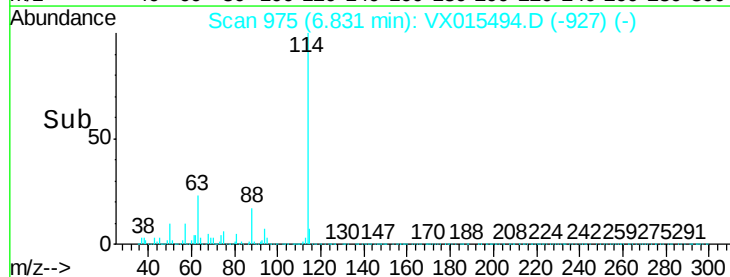
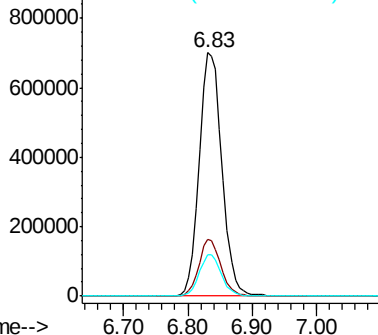
88 17.0 0.0 33.8

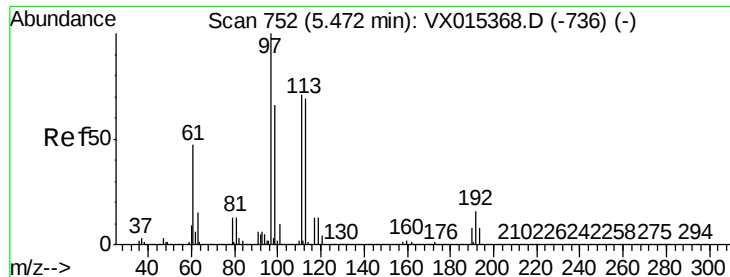


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0

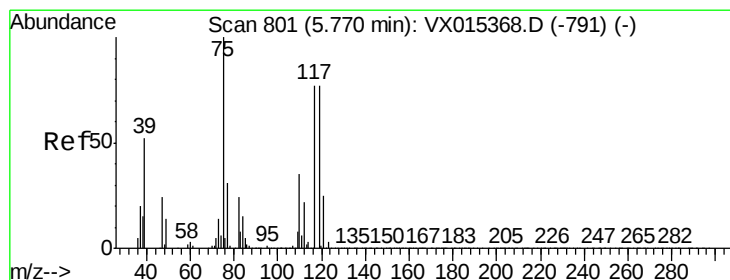
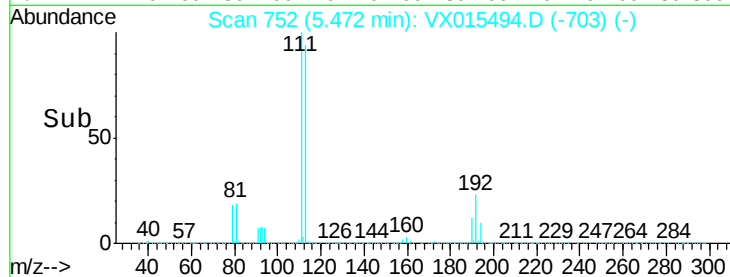
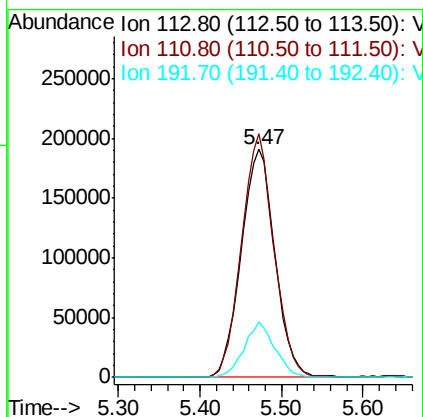
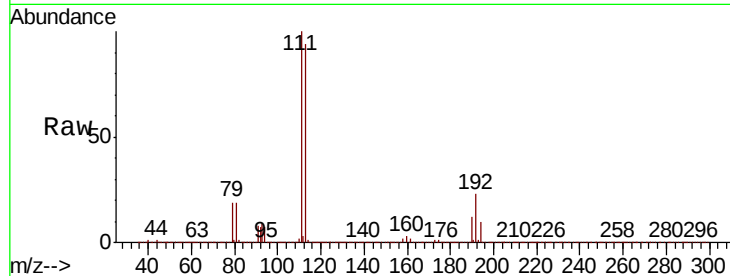




#35
 Dibromofluoromethane
 Concen: 49.451 ug/l
 RT: 5.47 min Scan# 752
 Delta R.T. -0.00 min
 Lab File: VX015494.D
 Acq: 02 Apr 2020 19:53

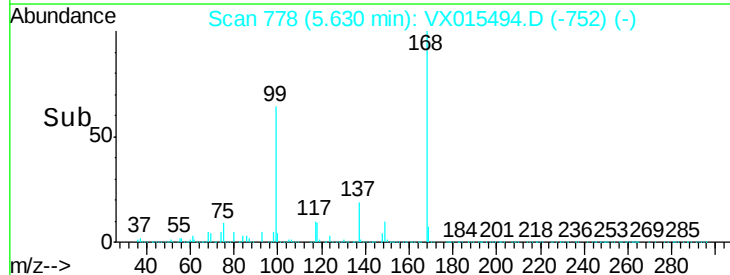
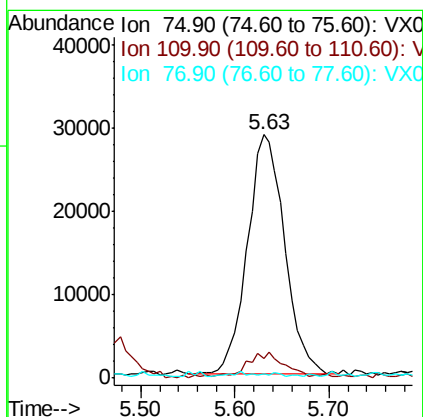
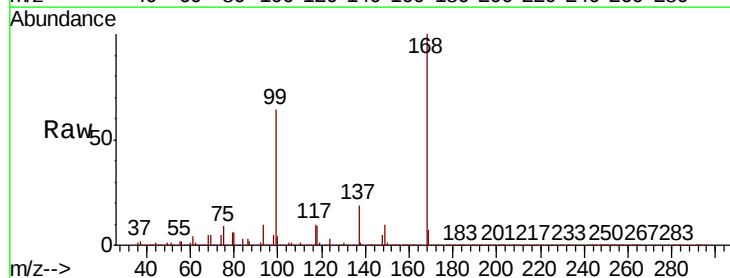
Instrument :
 MSVOA_X
 ClientSampled :

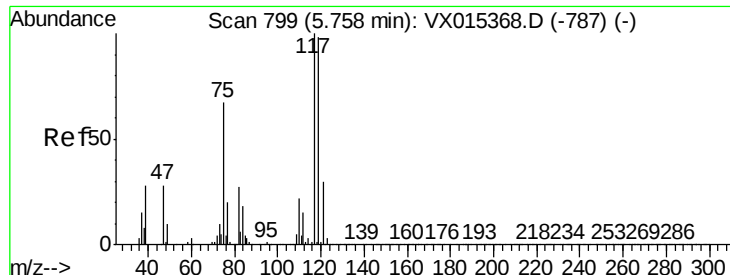
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.4	81.5	122.3
192	21.8	17.8	26.6



#36
 1,1-Dichloropropene
 Concen: 5.002 ug/l
 RT: 5.63 min Scan# 778
 Delta R.T. -0.14 min
 Lab File: VX015494.D
 Acq: 02 Apr 2020 19:53

Tgt Ion	Ratio	Lower	Upper
75	100		
110	11.5	17.1	51.3#
77	0.6	24.6	36.8#





#38

Carbon Tetrachloride

Concen: 5.915 ug/l

RT: 5.64 min Scan# 779

Delta R.T. -0.12 min

Lab File: VX015494.D

Acq: 02 Apr 2020 19:53

Instrument :

MSVOA_X

ClientSampleId :

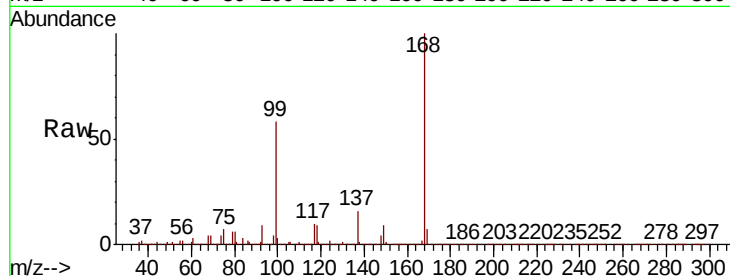
Tot Ion:117 Resp: 102323

Ion Ratio Lower Upper

117 100

119 4.3 78.0 117.0#

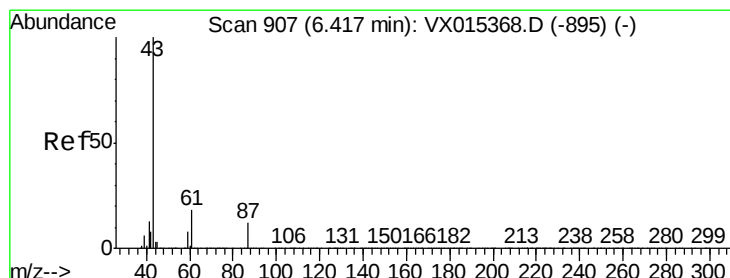
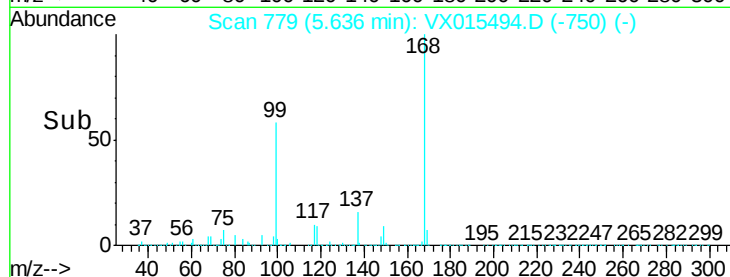
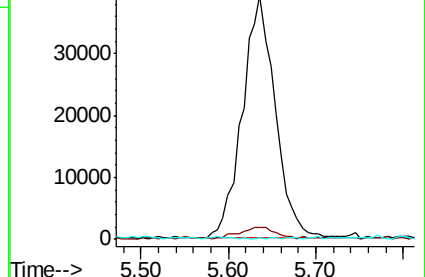
121 0.2 23.8 35.8#



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: 10.852 ug/l

RT: 6.42 min Scan# 907

Delta R.T. -0.00 min

Lab File: VX015494.D

Acq: 02 Apr 2020 19:53

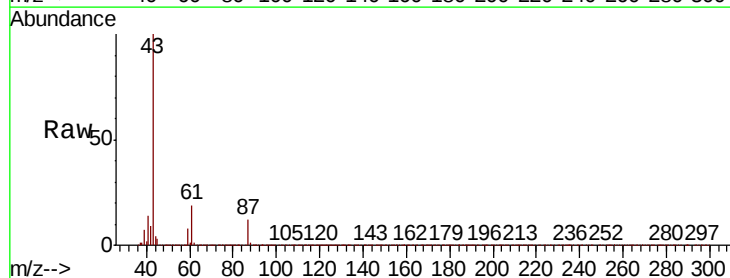
Tgt Ion: 43 Resp: 380967

Ion Ratio Lower Upper

43 100

61 18.3 14.8 22.2

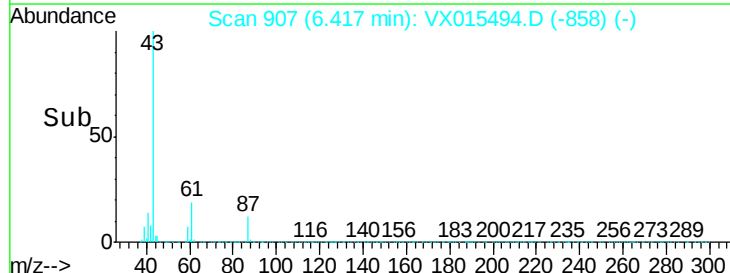
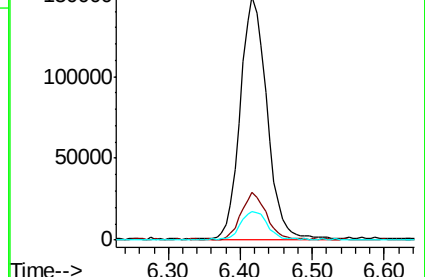
87 12.1 9.4 14.0

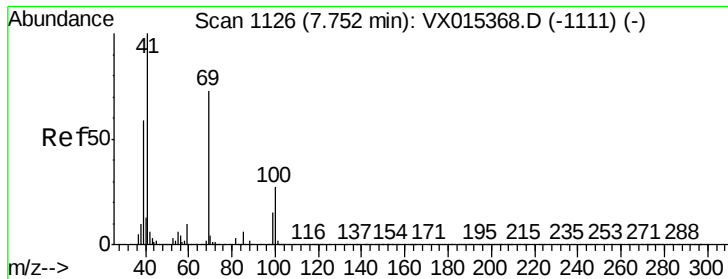


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 87.00 (86.70 to 87.70): VX0

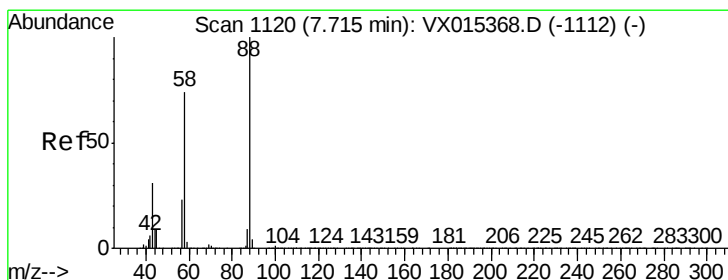
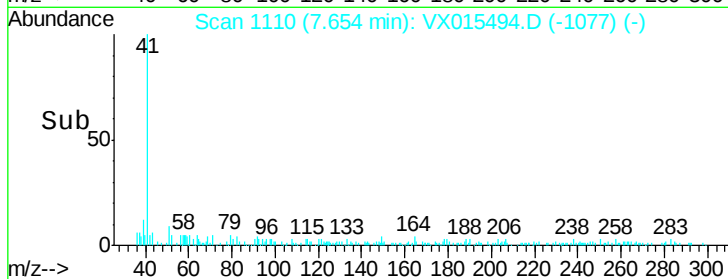
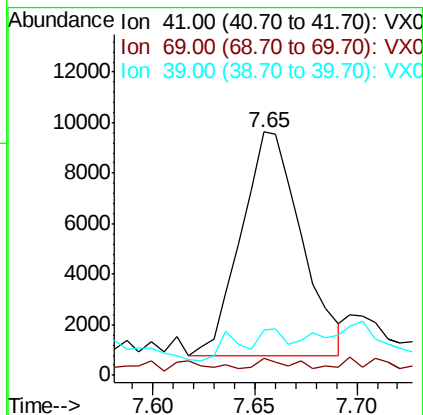
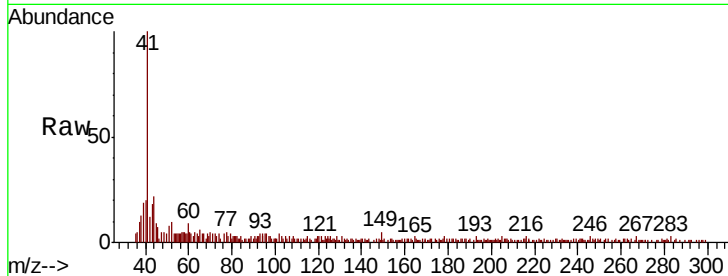




#48
Methvl methacrylate
Concen: 1.031 ug/l
RT: 7.65 min Scan# 1110
Delta R.T. -0.10 min
Lab File: VX015494.D
Acq: 02 Apr 2020 19:53

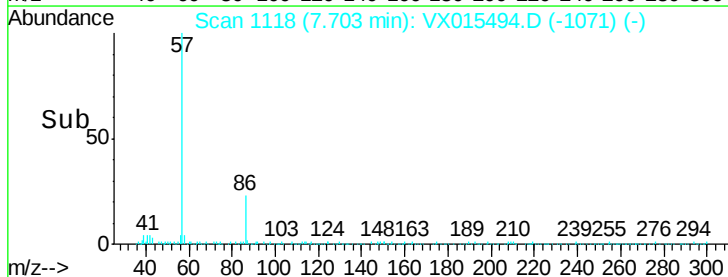
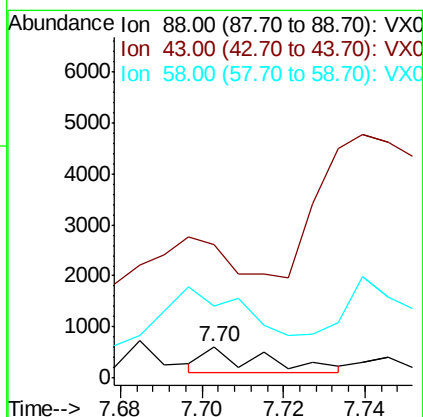
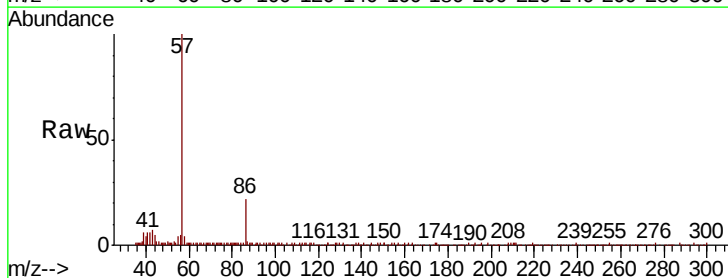
Instrument :
MSVOA_X
ClientSampleId :

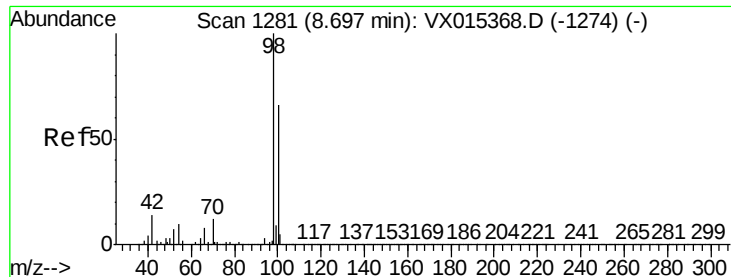
Tot Ion: 41 Resp: 18072
Ion Ratio Lower Upper
41 100
69 2.5 56.7 85.1#
39 0.0 46.5 69.7#



#49
1,4-Dioxane
Concen: 1.584 ug/l
RT: 7.70 min Scan# 1118
Delta R.T. -0.01 min
Lab File: VX015494.D
Acq: 02 Apr 2020 19:53

Tgt Ion: 88 Resp: 518
Ion Ratio Lower Upper
88 100
43 0.0 30.1 45.1#
58 508.1 60.6 90.8#

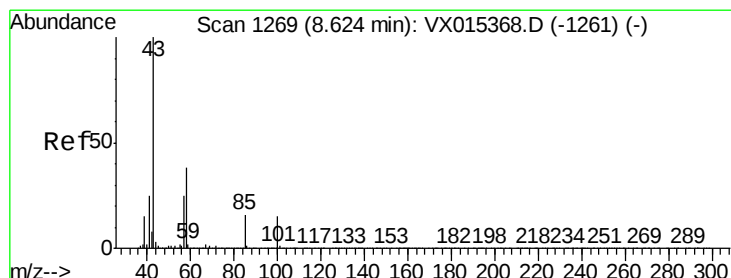
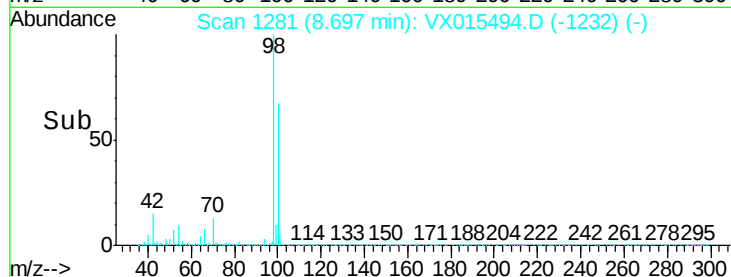
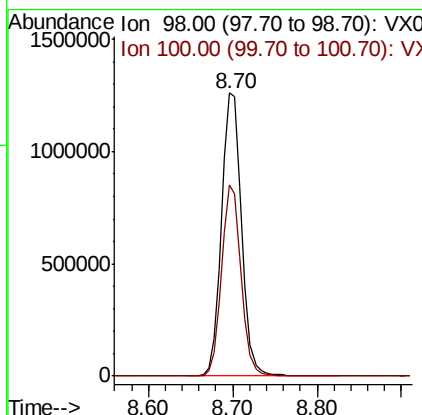
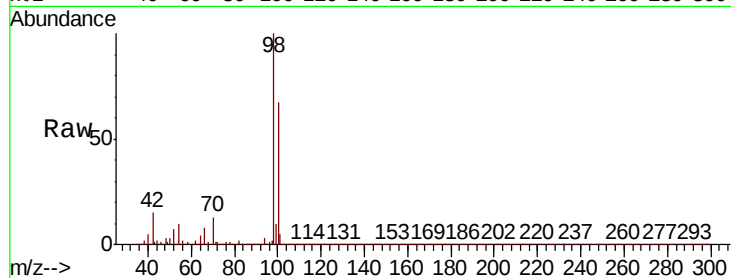




#50
Toluene-d8
Concen: 50.874 ug/l
RT: 8.70 min Scan# 1281
Delta R.T. -0.00 min
Lab File: VX015494.D
Acq: 02 Apr 2020 19:53

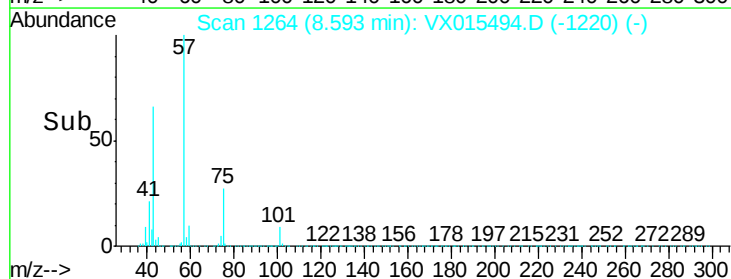
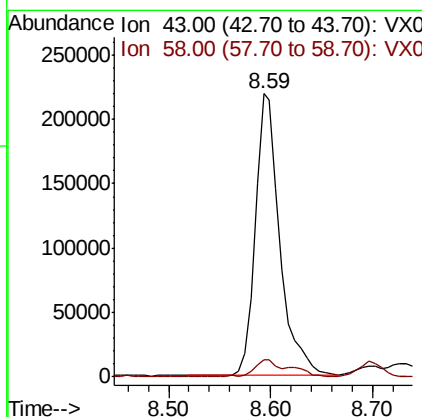
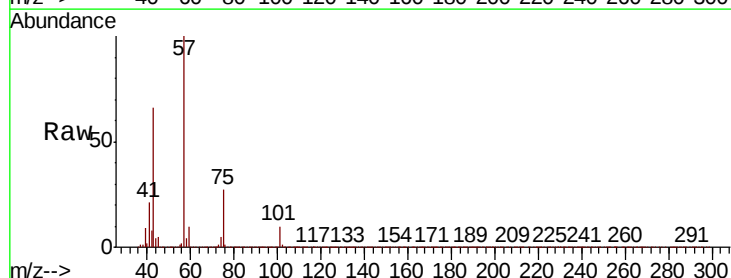
Instrument :
MSVOA_X
ClientSampleId :

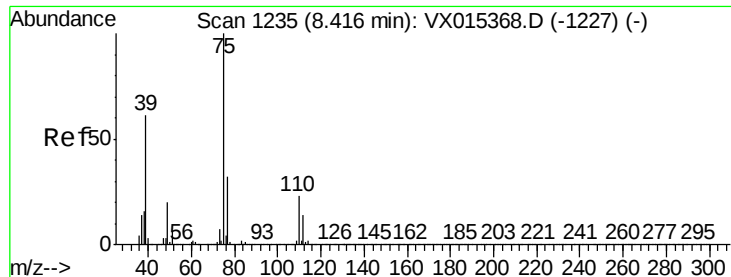
Tot Ion: 98 Resp: 2075430
Ion Ratio Lower Upper
98 100
100 65.6 53.5 80.3



#51
4-Methyl-2-Pentanone
Concen: 18.533 ug/l
RT: 8.59 min Scan# 1264
Delta R.T. -0.03 min
Lab File: VX015494.D
Acq: 02 Apr 2020 19:53

Tgt Ion: 43 Resp: 368718
Ion Ratio Lower Upper
43 100
58 8.7 29.7 44.5#





#54

cis-1,3-Dichloropropene

Concen: 6.751 ug/l

RT: 8.60 min Scan# 1265

Delta R.T. 0.18 min

Lab File: VX015494.D

Acq: 02 Apr 2020 19:53

Instrument :

MSVOA_X

ClientSampleId :

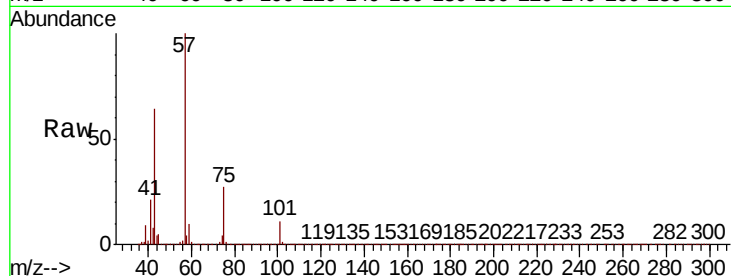
Tot Ion: 75 Resp: 144285

Ion Ratio Lower Upper

75 100

77 0.0 25.8 38.6#

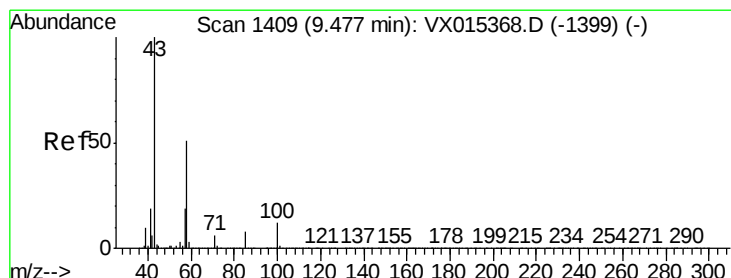
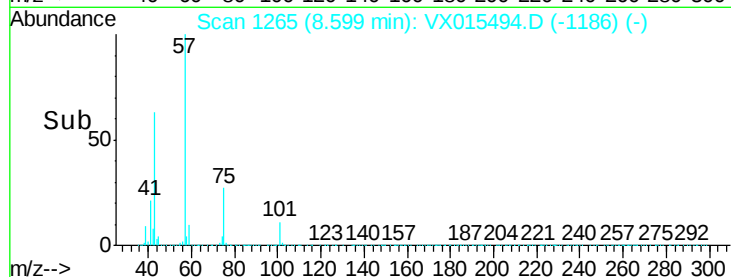
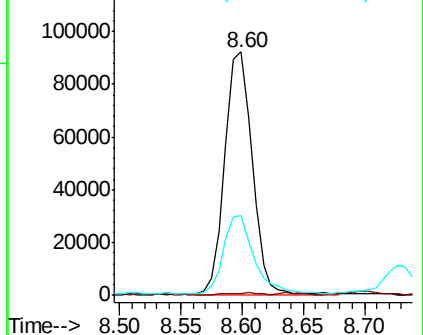
39 32.1 49.0 73.4#



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: 27.904 ug/l

RT: 9.42 min Scan# 1400

Delta R.T. -0.05 min

Lab File: VX015494.D

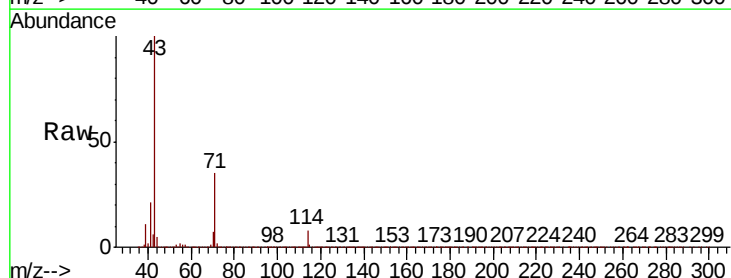
Acq: 02 Apr 2020 19:53

Tgt Ion: 43 Resp: 419140

Ion Ratio Lower Upper

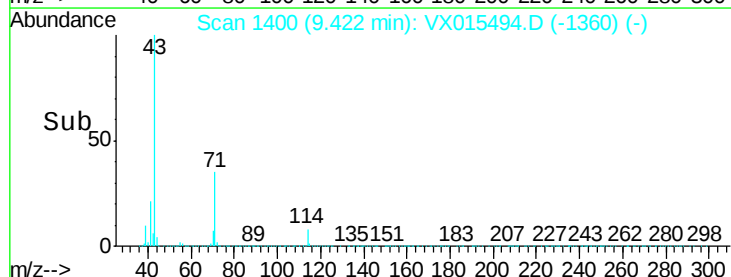
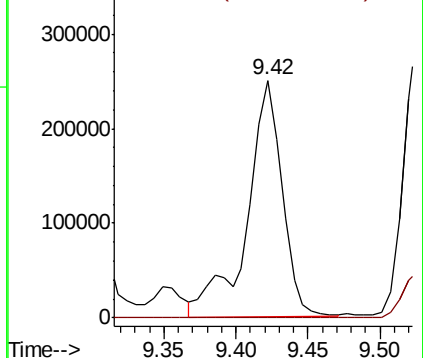
43 100

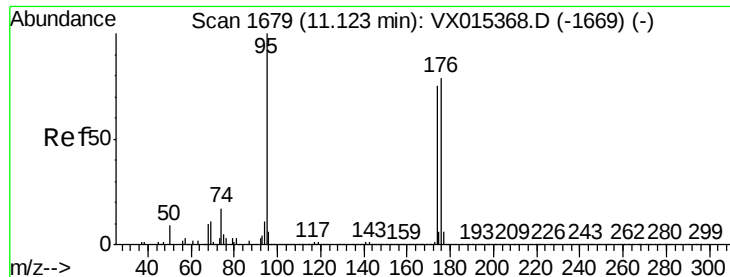
58 0.0 25.6 76.6#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#62

4-Bromofluorobenzene

Concen: 54.369 ug/l

RT: 11.12 min Scan# 1679

Delta R.T. -0.00 min

Lab File: VX015494.D

Acq: 02 Apr 2020 19:53

Instrument :

MSVOA_X

ClientSampleId :

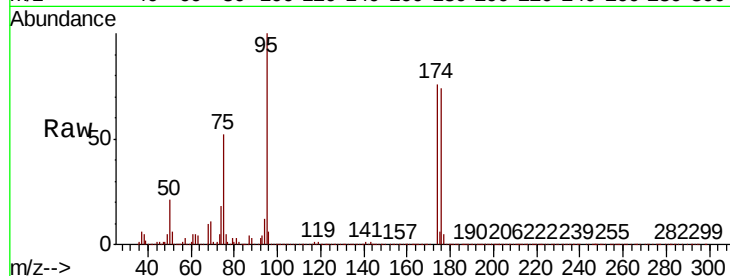
Tot Ion: 95 Resp: 901413

Ion Ratio Lower Upper

95 100

174 79.0 0.0 158.6

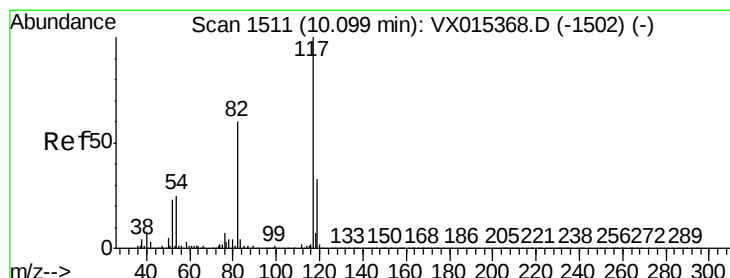
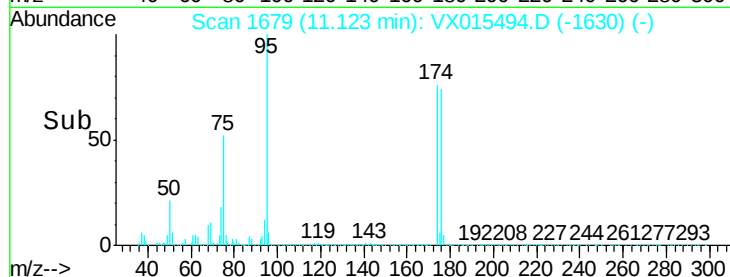
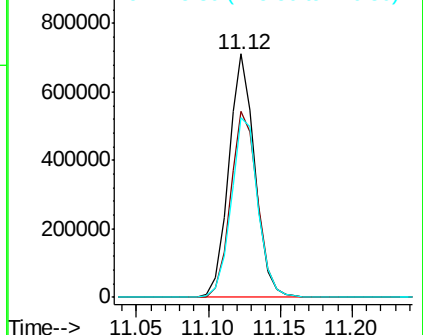
176 76.0 0.0 159.0



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.10 min Scan# 1511

Delta R.T. -0.00 min

Lab File: VX015494.D

Acq: 02 Apr 2020 19:53

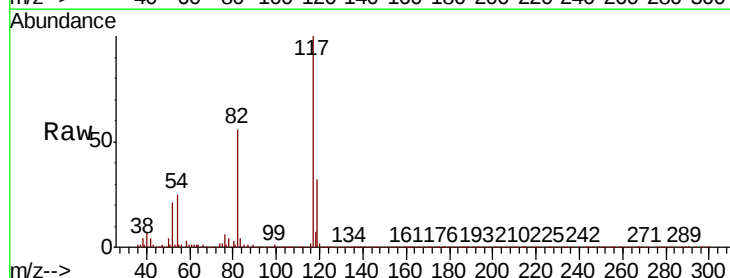
Tgt Ion: 117 Resp: 1658415

Ion Ratio Lower Upper

117 100

82 55.7 47.8 71.8

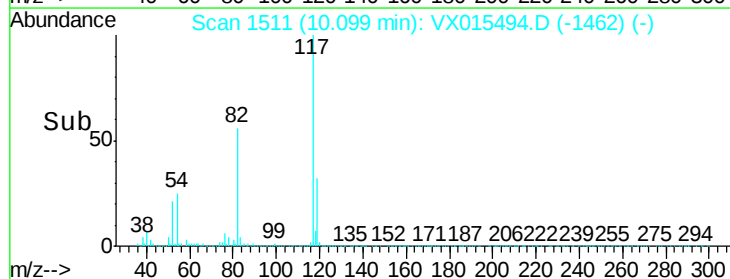
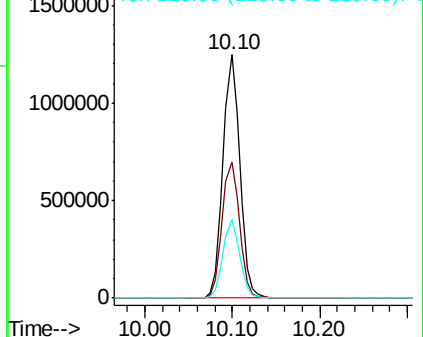
119 32.1 26.8 40.2

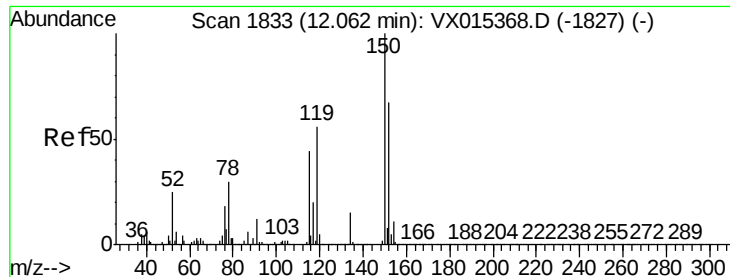


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.06 min Scan# 1833

Delta R.T. -0.00 min

Lab File: VX015494.D

Acq: 02 Apr 2020 19:53

Instrument :

MSVOA_X

ClientSampleId :

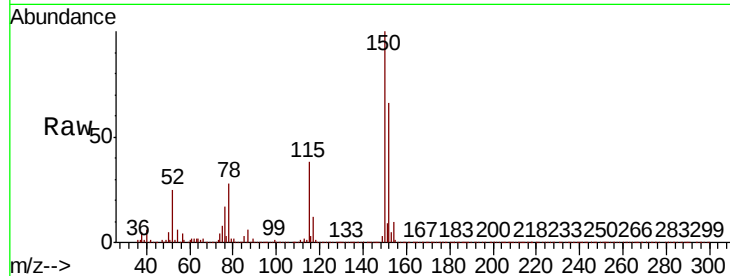
Tot Ion:152 Resp: 909612

Ion Ratio Lower Upper

152 100

115 57.6 39.0 116.9

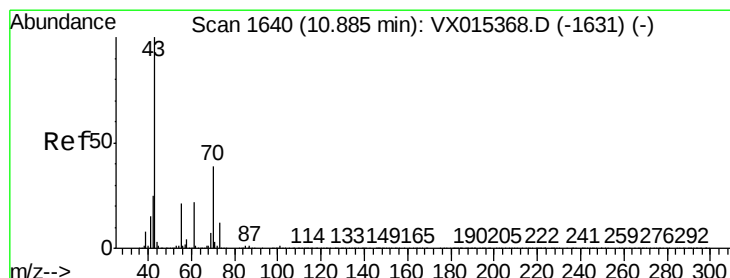
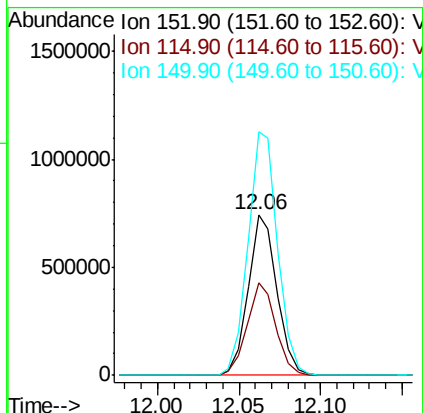
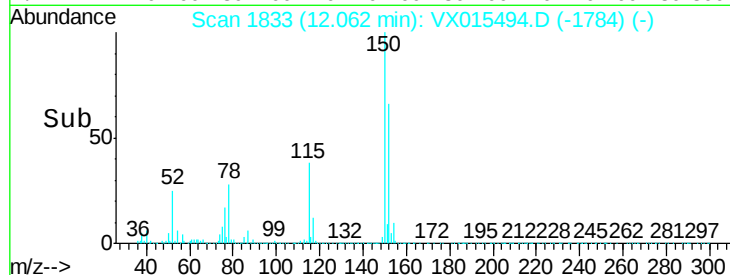
150 157.2 0.0 340.8



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#74

N-ethyl acetate

Concen: 0.542 ug/l

RT: 10.81 min Scan# 1628

Delta R.T. -0.07 min

Lab File: VX015494.D

Acq: 02 Apr 2020 19:53

Tgt Ion: 43 Resp: 17969

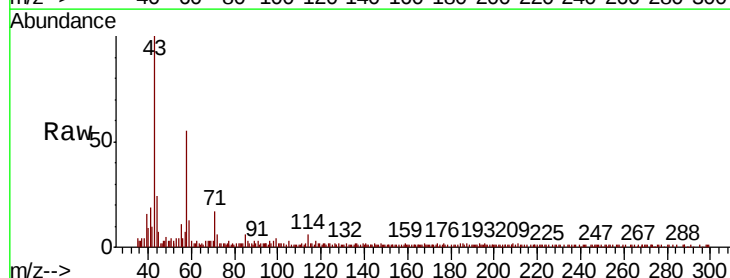
Ion Ratio Lower Upper

43 100

70 6.2 30.2 45.4#

55 10.0 16.8 25.2#

61 0.0 18.2 27.2#

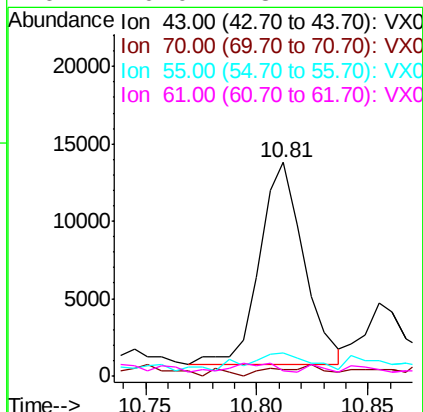
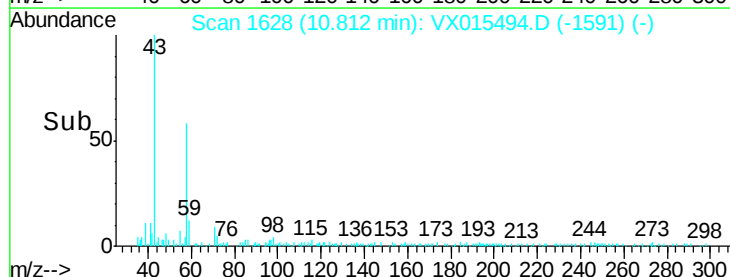


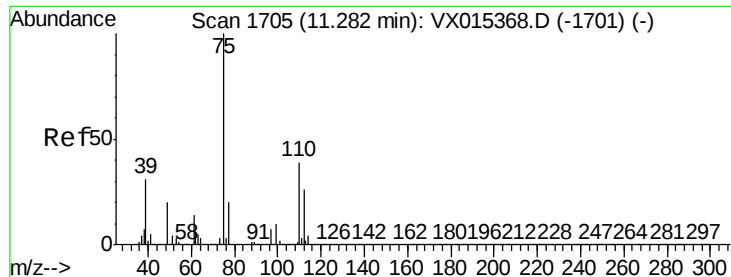
Abundance Ion 43.00 (42.70 to 43.70): VX0

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

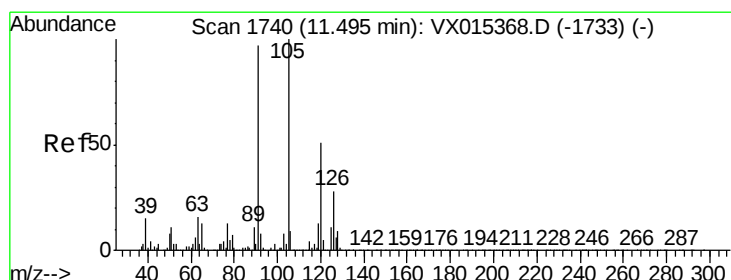
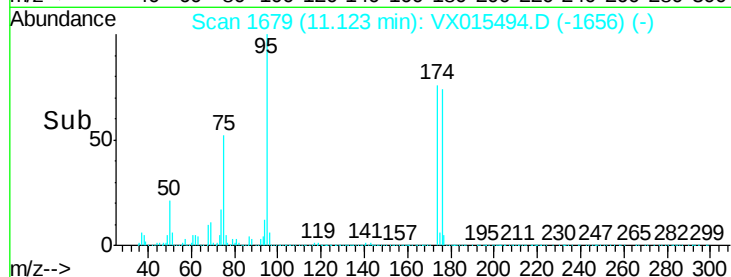
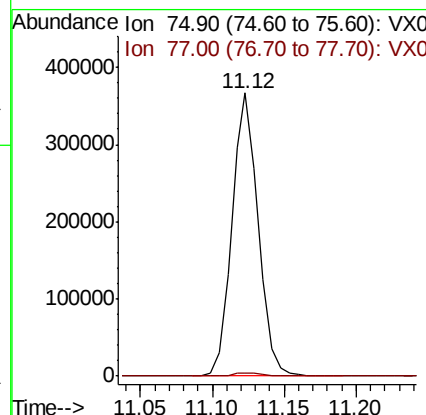
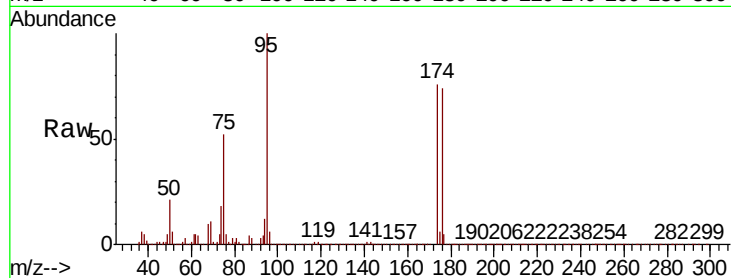




#76
 1,2,3-Trichloropropane
 Concen: 24.961 ug/l
 RT: 11.12 min Scan# 1679
 Delta R.T. -0.16 min
 Lab File: VX015494.D
 Acq: 02 Apr 2020 19:53

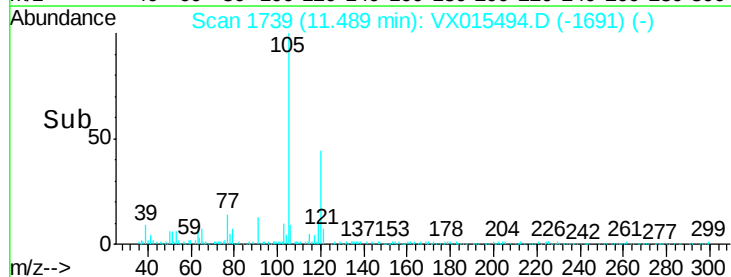
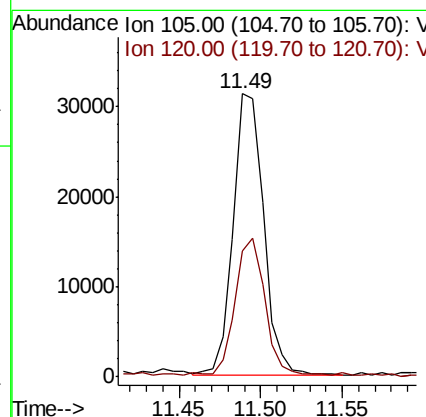
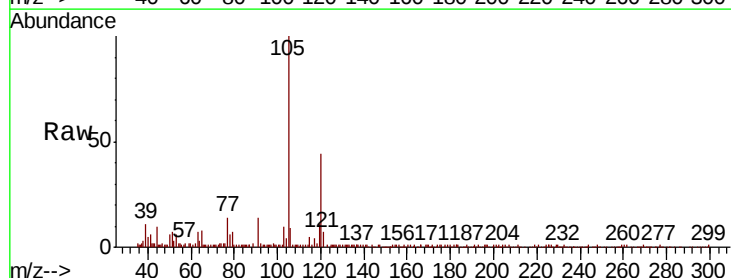
Instrument :
 MSVOA_X
 ClientSampleId :

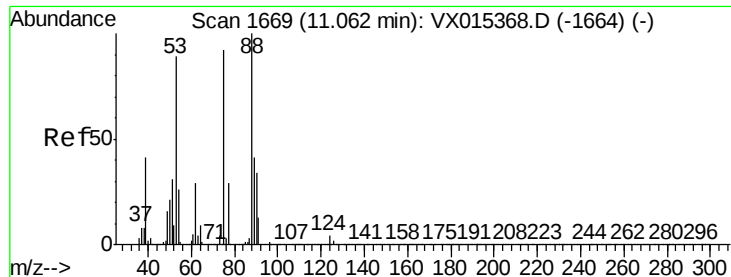
Tot Ion: 75 Resp: 466898
 Ion Ratio Lower Upper
 75 100
 77 1.2 21.2 63.6#



#80
 1,3,5-Trimethylbenzene
 Concen: 0.793 ug/l
 RT: 11.49 min Scan# 1739
 Delta R.T. -0.01 min
 Lab File: VX015494.D
 Acq: 02 Apr 2020 19:53

Tgt Ion: 105 Resp: 40343
 Ion Ratio Lower Upper
 105 100
 120 48.2 24.8 74.4





#81

trans-1,4-Dichloro-2-butene

Concen: 59.892 ug/l

RT: 11.12 min Scan# 1679

Delta R.T. 0.06 min

Lab File: VX015494.D

Acq: 02 Apr 2020 19:53

Instrument :

MSVOA_X

ClientSampleId :

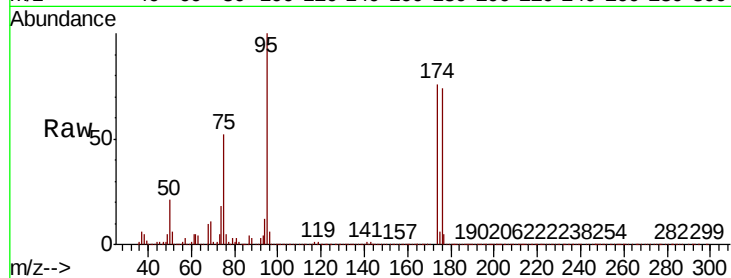
Tot Ion: 75 Resp: 466898

Ion Ratio Lower Upper

75 100

53 0.2 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

