

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX071521\
 Data File : VX023302.D
 Acq On : 15 Jul 2021 16:24
 Operator : JC/MD
 Sample : M3026-03
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jul 16 03:52:37 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X070221W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 02 14:29:42 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

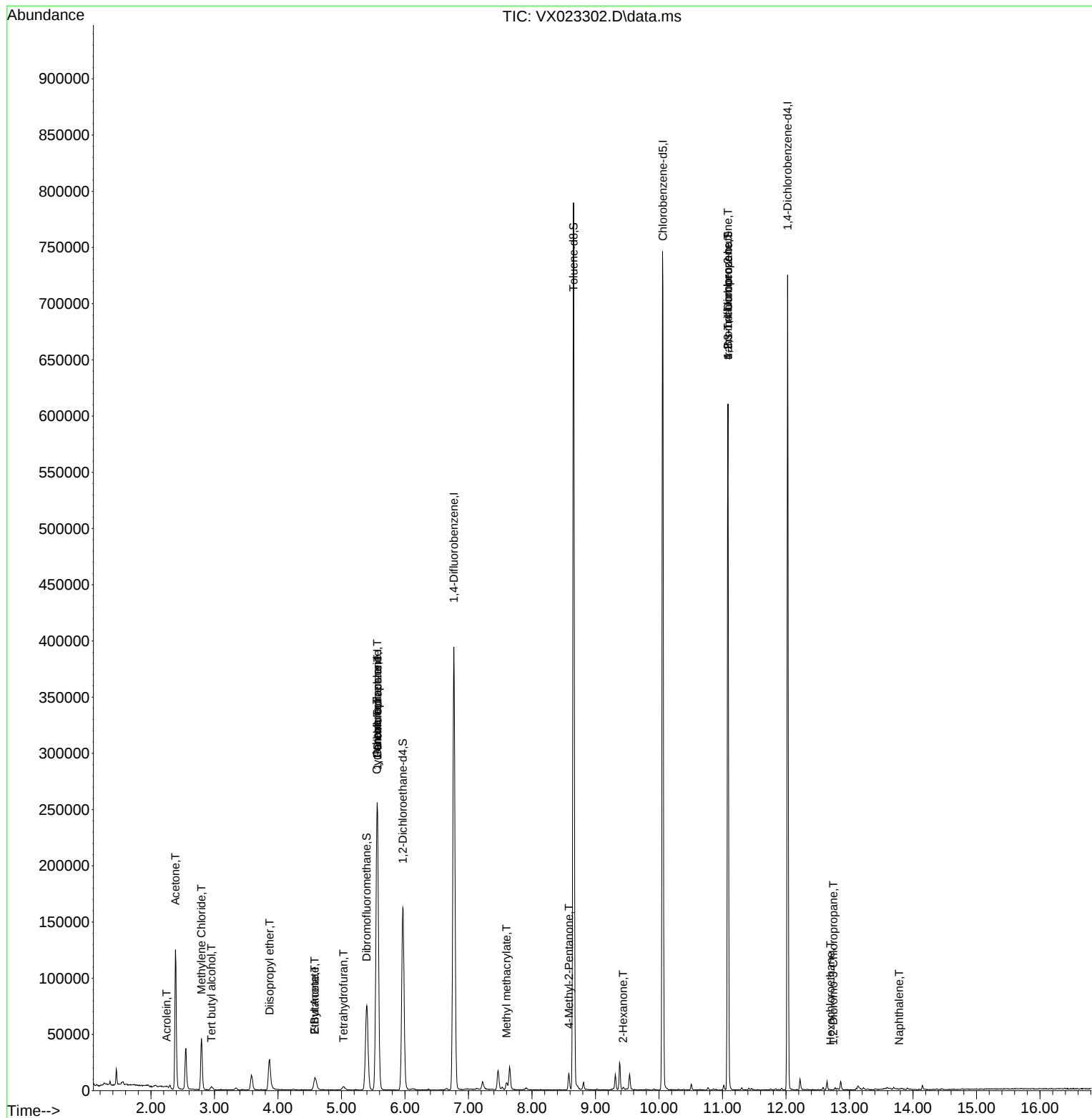
Internal Standards						
1) Pentafluorobenzene	5.562	168	240495	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	393511	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.061	117	342038	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	143286	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	166899	51.636	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	103.280%
35) Dibromofluoromethane	5.397	113	65986	25.967	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	51.940%#
50) Toluene-d8	8.653	98	460983	48.632	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	97.260%
62) 4-Bromofluorobenzene	11.085	95	164472	44.945	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	89.880%
Target Compounds						
					Qvalue	
5) Bromomethane	1.612	94	204	Below Cal	#	48
11) Tert butyl alcohol	2.953	59	2056	3.024	ug/l #	77
13) Acrolein	2.246	56	161	0.356	ug/l #	1
16) Acetone	2.386	43	129018	100.892	ug/l	92
20) Methylene Chloride	2.794	84	20164	7.324	ug/l	95
22) Diisopropyl ether	3.867	45	1669	0.213	ug/l #	1
25) 2-Butanone	4.574	43	8763	4.544	ug/l #	84
29) Tetrahydrofuran	5.032	42	2602	2.099	ug/l	93
31) Cyclohexane	5.556	56	4845	1.252	ug/l #	1
36) 1,1-Dichloropropene	5.568	75	18624	5.309	ug/l #	50
37) Ethyl Acetate	4.574	43	8763	2.290	ug/l #	70
38) Carbon Tetrachloride	5.562	117	25229	6.890	ug/l #	16
48) Methyl methacrylate	7.598	41	8874	2.841	ug/l #	18
51) 4-Methyl-2-Pentanone	8.580	43	8577	2.174	ug/l	88
59) 2-Hexanone	9.433	43	1309	0.433	ug/l	75
76) 1,2,3-Trichloropropane	11.085	75	84855	29.429	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.085	75	84855	79.108	ug/l #	12
90) Hexachloroethane	12.701	117	83	3.047	ug/l #	9
92) 1,2-Dibromo-3-Chloropr...	12.744	75	157	2.760	ug/l #	1
95) Naphthalene	13.780	128	295	1.302	ug/l #	69

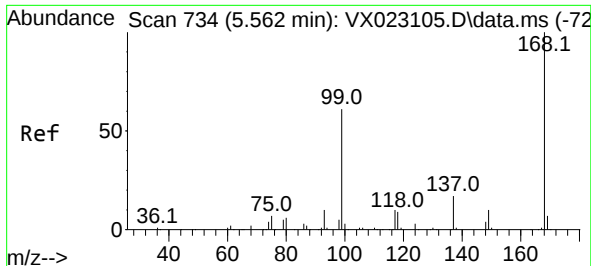
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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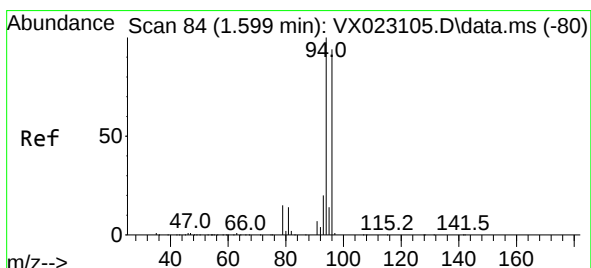
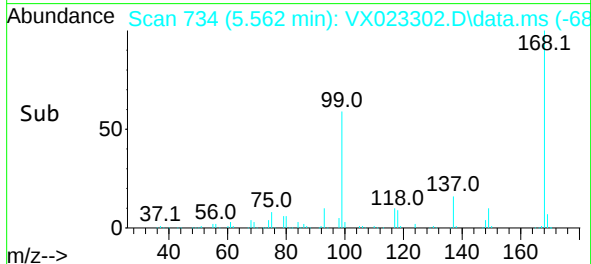
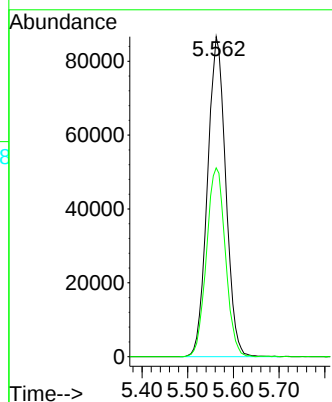
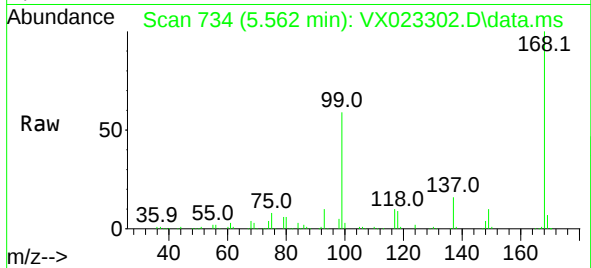




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 734
Delta R.T. 0.000 min
Lab File: VX023302.D
Acq: 15 Jul 2021 16:24

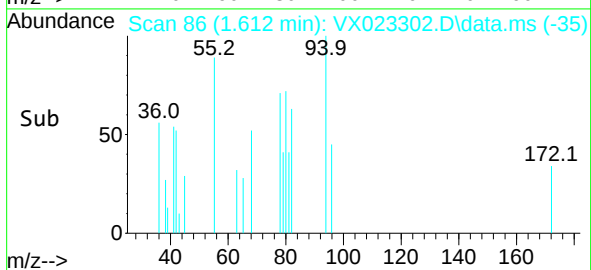
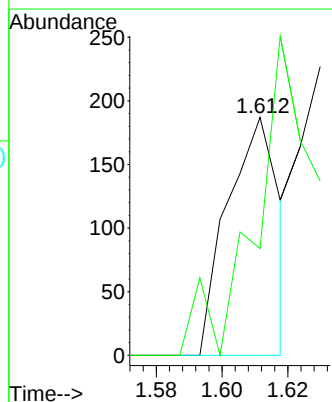
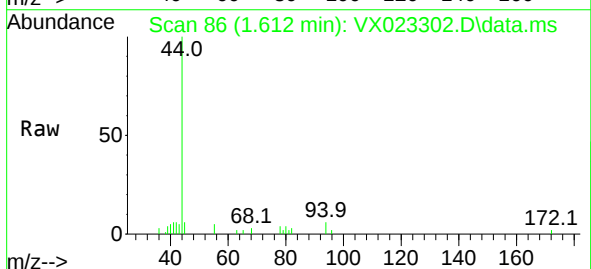
Instrument :
MSVOA_X
ClientSampled :

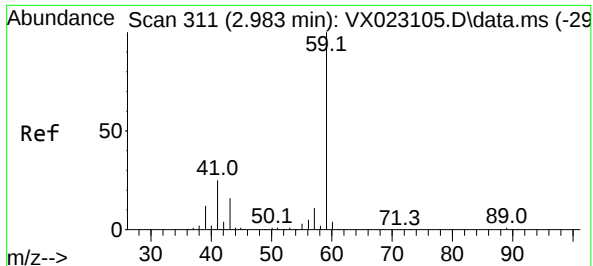
Tgt Ion:168 Resp: 240495
Ion Ratio Lower Upper
168 100
99 59.0 45.8 68.6



#5
Bromomethane
Concen: Below Cal
RT: 1.612 min Scan# 86
Delta R.T. 0.013 min
Lab File: VX023302.D
Acq: 15 Jul 2021 16:24

Tgt Ion: 94 Resp: 204
Ion Ratio Lower Upper
94 100
96 44.9 76.4 114.6#



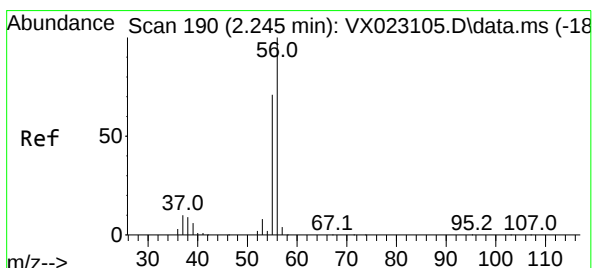
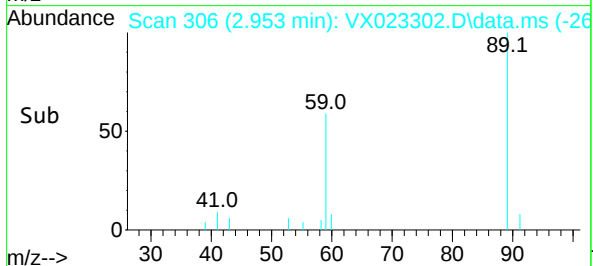
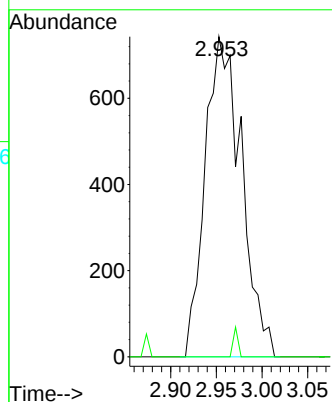
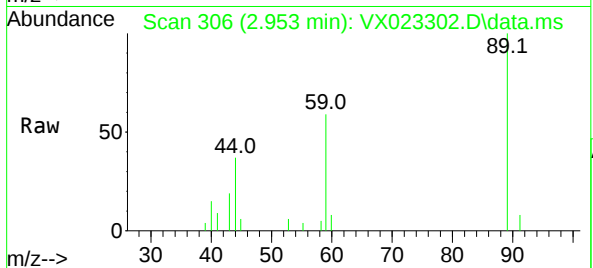


#11

Tert butyl alcohol
Concen: 3.024 ug/l
RT: 2.953 min Scan# 306
Delta R.T. -0.030 min
Lab File: VX023302.D
Acq: 15 Jul 2021 16:24

Instrument :
MSVOA_X
ClientSampled :

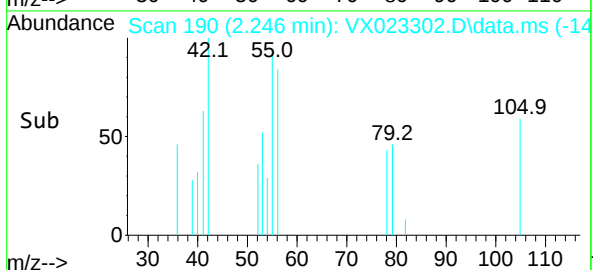
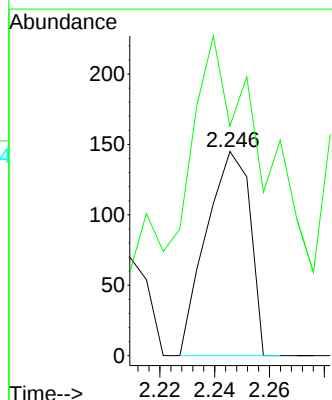
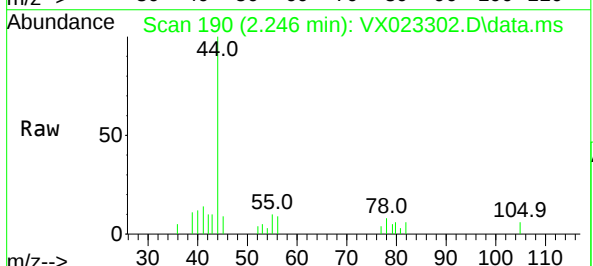
Tgt Ion: 59 Resp: 2056
Ion Ratio Lower Upper
59 100
57 1.2 7.8 11.8#

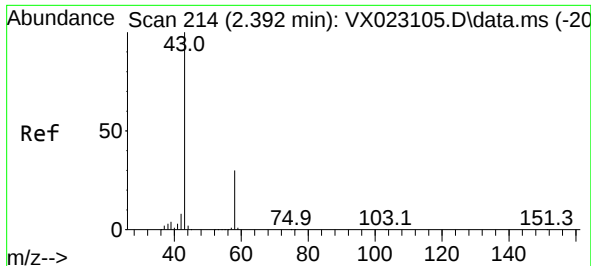


#13

Acrolein
Concen: 0.356 ug/l
RT: 2.246 min Scan# 190
Delta R.T. 0.001 min
Lab File: VX023302.D
Acq: 15 Jul 2021 16:24

Tgt Ion: 56 Resp: 161
Ion Ratio Lower Upper
56 100
55 330.4 56.4 84.6#

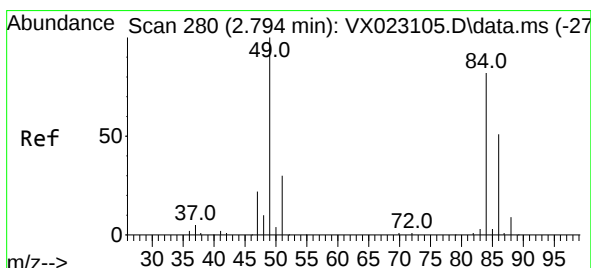
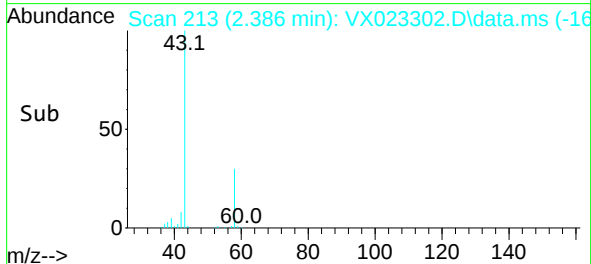
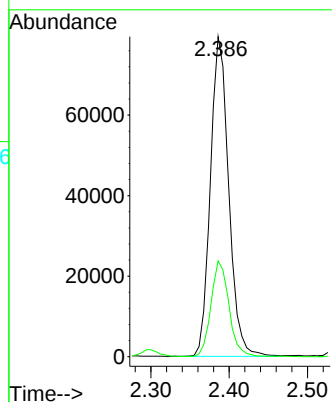
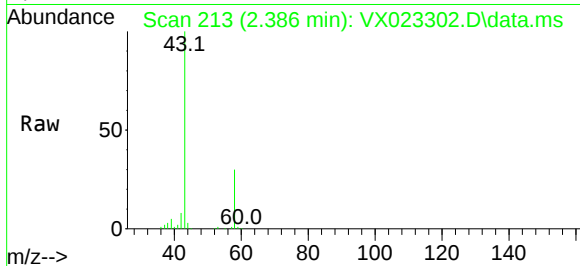




#16
Acetone
Concen: 100.892 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.006 min
Lab File: VX023302.D
Acq: 15 Jul 2021 16:24

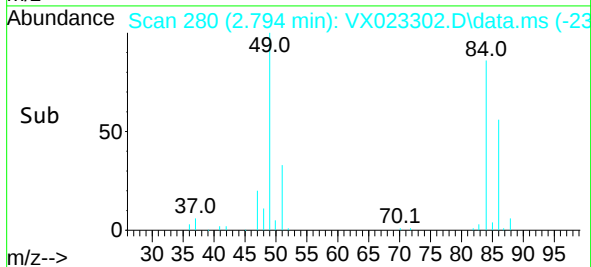
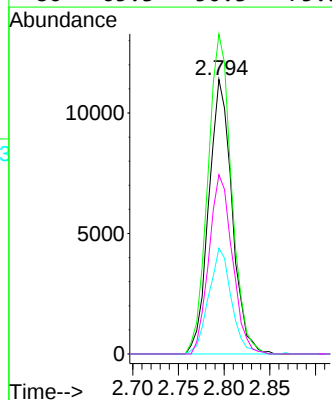
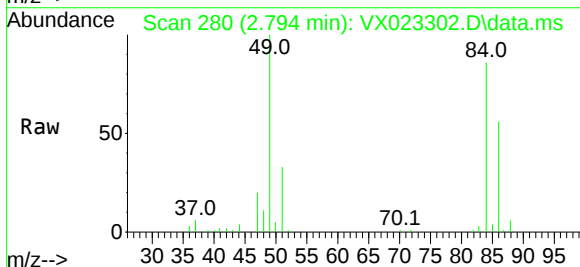
Instrument :
MSVOA_X
ClientSampled :

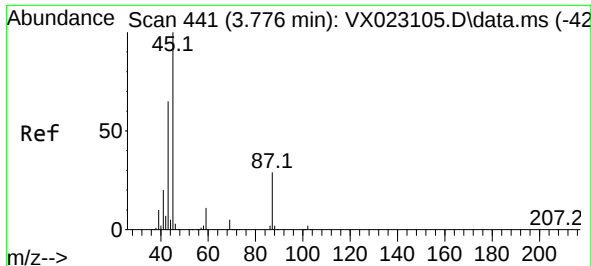
Tgt Ion: 43 Resp: 129018
Ion Ratio Lower Upper
43 100
58 29.9 27.8 41.8



#20
Methylene Chloride
Concen: 7.324 ug/l
RT: 2.794 min Scan# 280
Delta R.T. 0.000 min
Lab File: VX023302.D
Acq: 15 Jul 2021 16:24

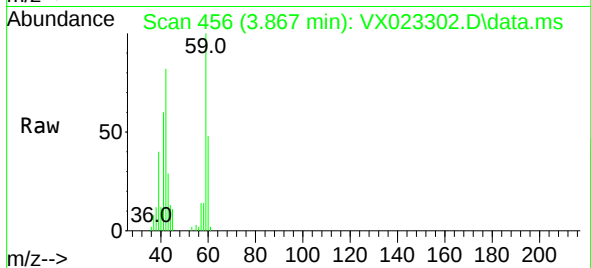
Tgt Ion: 84 Resp: 20164
Ion Ratio Lower Upper
84 100
49 116.6 88.6 132.8
51 38.5 27.0 40.6
86 65.3 50.3 75.5



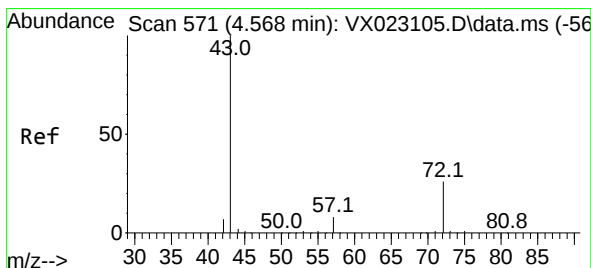
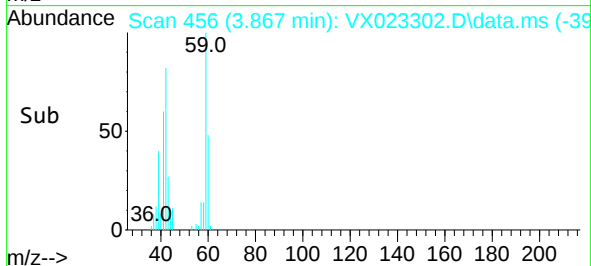
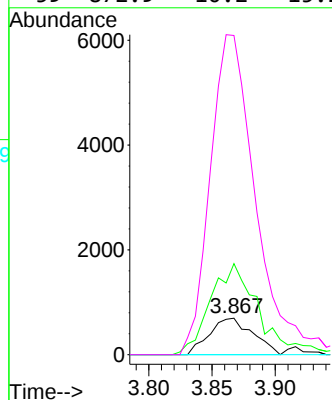


#22
Diisopropyl ether
Concen: 0.213 ug/l
RT: 3.867 min Scan# 456
Delta R.T. 0.091 min
Lab File: VX023302.D
Acq: 15 Jul 2021 16:24

Instrument :
MSVOA_X
ClientSampleId :

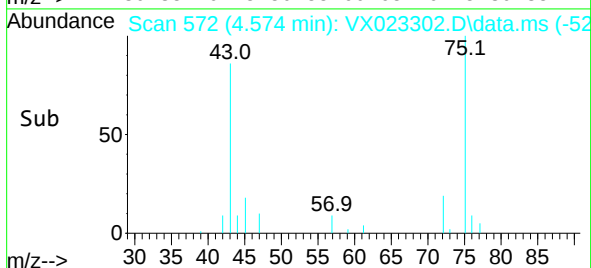
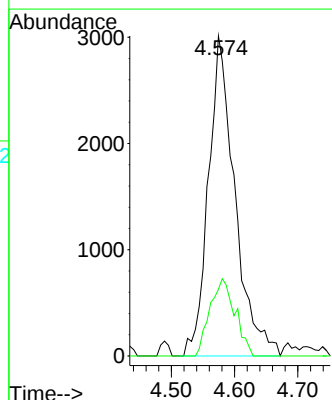
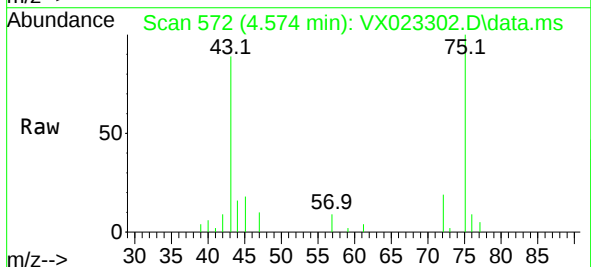


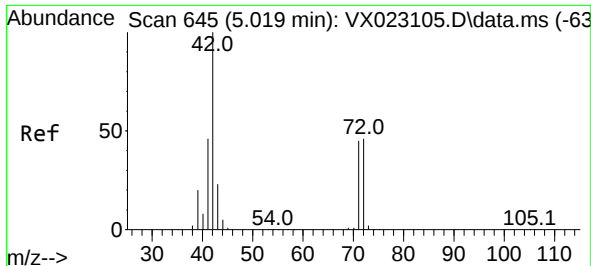
Tgt Ion	Ratio	Lower	Upper
45	100		
43	241.4	58.0	87.0#
87	0.0	25.4	38.0#
59	872.9	10.2	15.2#



#25
2-Butanone
Concen: 4.544 ug/l
RT: 4.574 min Scan# 572
Delta R.T. 0.006 min
Lab File: VX023302.D
Acq: 15 Jul 2021 16:24

Tgt Ion	Ratio	Lower	Upper
43	100		
72	20.8	23.7	35.5#





#29

Tetrahydrofuran

Concen: 2.099 ug/l

RT: 5.032 min Scan# 647

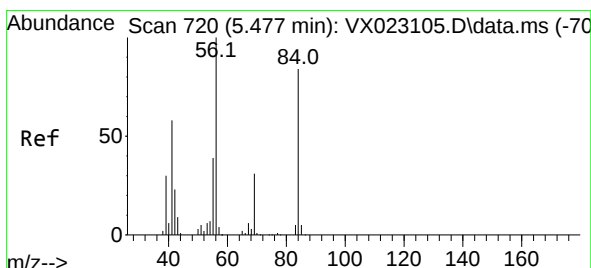
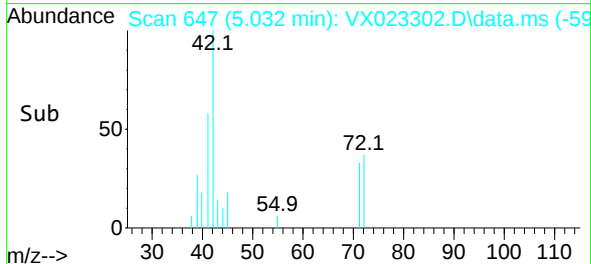
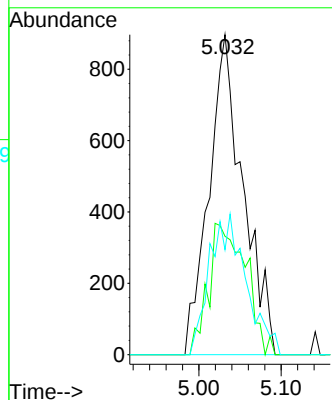
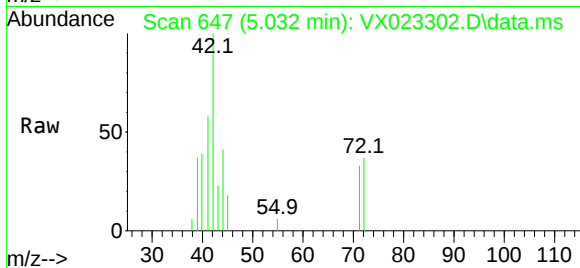
Delta R.T. 0.013 min

Lab File: VX023302.D

Acq: 15 Jul 2021 16:24

Tgt Ion:	42	Resp:	2602
Ion	Ratio	Lower	Upper
42	100		
72	44.6	41.7	62.5
71	46.5	38.4	57.6

Instrument :
MSVOA_X
ClientSampled :



#31

Cyclohexane

Concen: 1.252 ug/l

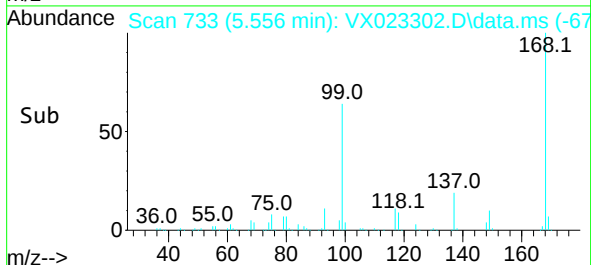
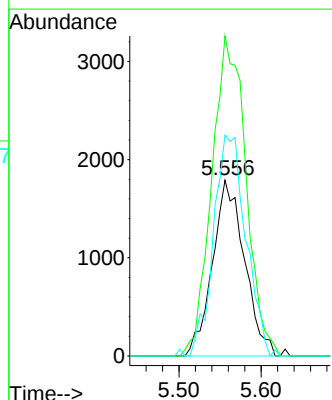
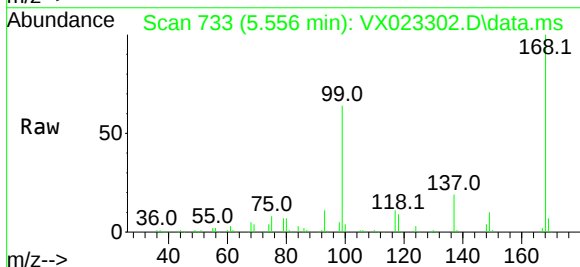
RT: 5.556 min Scan# 733

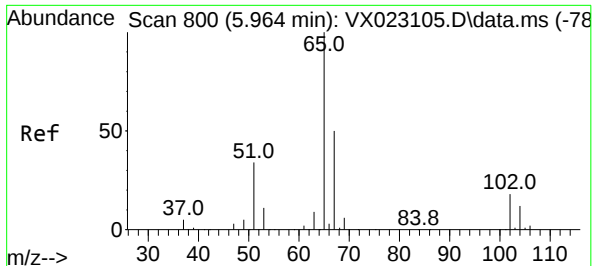
Delta R.T. 0.079 min

Lab File: VX023302.D

Acq: 15 Jul 2021 16:24

Tgt Ion:	56	Resp:	4845
Ion	Ratio	Lower	Upper
56	100		
69	182.1	25.3	37.9#
84	125.7	71.4	107.0#



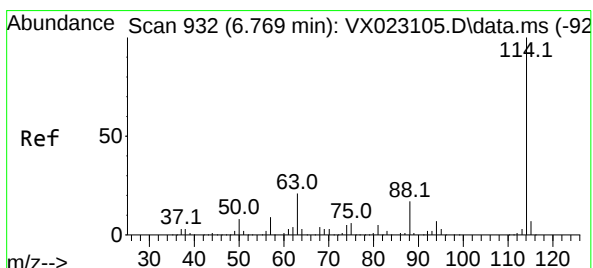
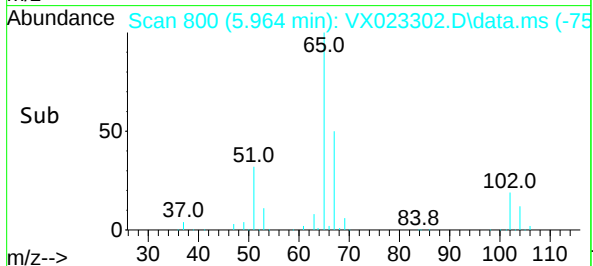
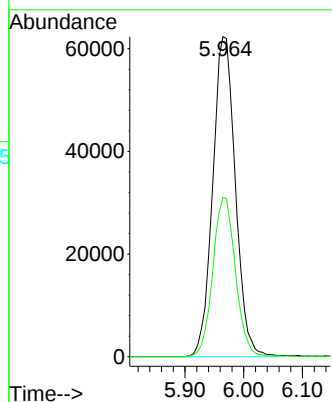
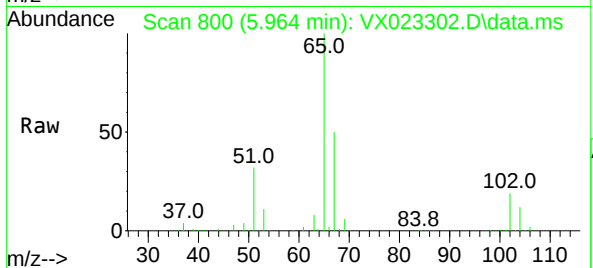


#33

1,2-Dichloroethane-d4
Concen: 51.636 ug/l
RT: 5.964 min Scan# 800
Delta R.T. 0.000 min
Lab File: VX023302.D
Acq: 15 Jul 2021 16:24

Instrument :
MSVOA_X
ClientSampled :

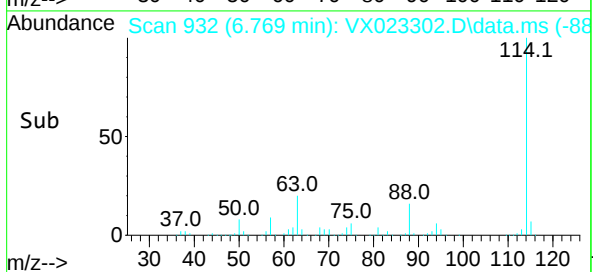
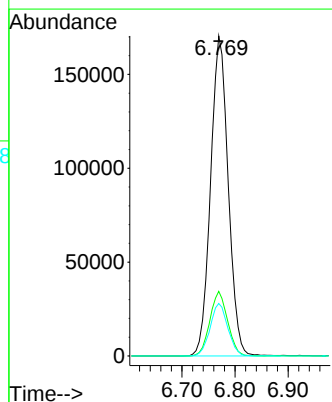
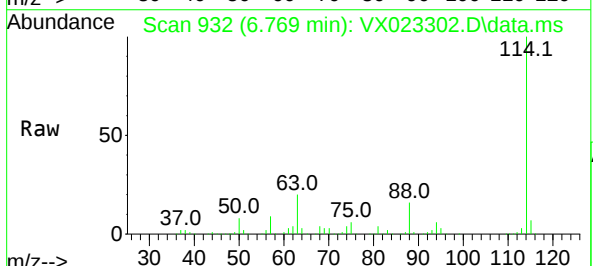
Tgt Ion: 65 Resp: 166899
Ion Ratio Lower Upper
65 100
67 49.6 0.0 105.4

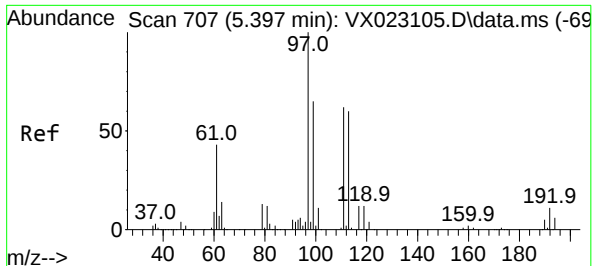


#34

1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 932
Delta R.T. 0.000 min
Lab File: VX023302.D
Acq: 15 Jul 2021 16:24

Tgt Ion: 114 Resp: 393511
Ion Ratio Lower Upper
114 100
63 20.2 0.0 40.8
88 16.4 0.0 32.8





#35

Dibromofluoromethane

Concen: 25.967 ug/l

RT: 5.397 min Scan# 707

Delta R.T. 0.000 min

Lab File: VX023302.D

Acq: 15 Jul 2021 16:24

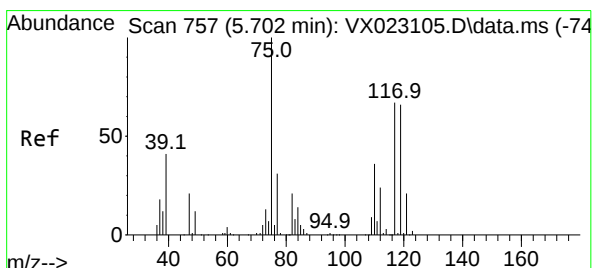
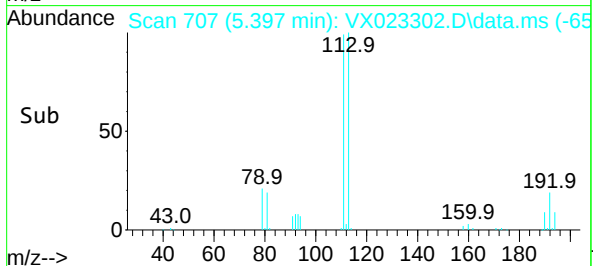
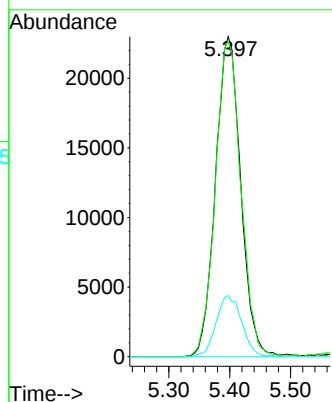
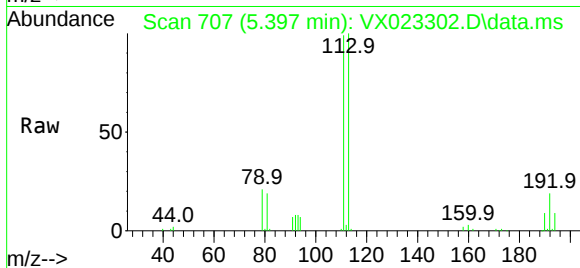
Tgt Ion:113 Resp: 65986

Ion Ratio Lower Upper

113 100

111 100.3 81.9 122.9

192 19.4 16.7 25.1



#36

1,1-Dichloropropene

Concen: 5.309 ug/l

RT: 5.568 min Scan# 735

Delta R.T. -0.134 min

Lab File: VX023302.D

Acq: 15 Jul 2021 16:24

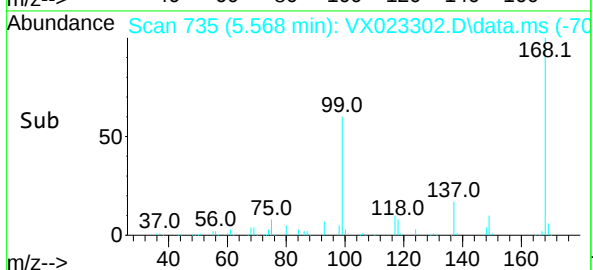
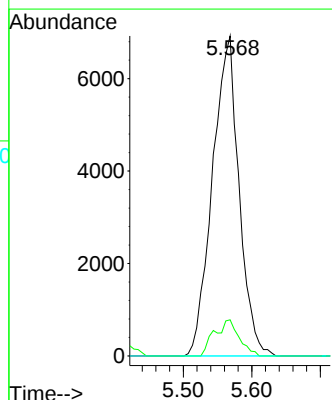
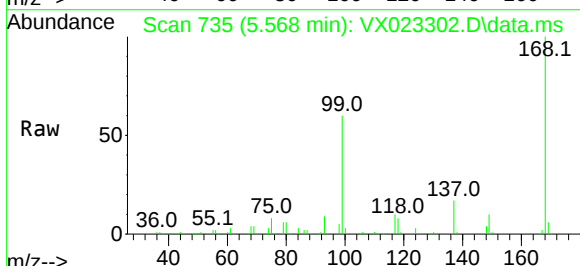
Tgt Ion: 75 Resp: 18624

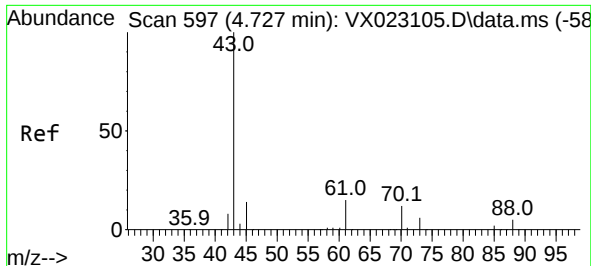
Ion Ratio Lower Upper

75 100

110 10.5 18.1 54.4#

77 0.0 25.3 37.9#





#37

Ethyl Acetate

Concen: 2.290 ug/l

RT: 4.574 min Scan# 572

Delta R.T. -0.153 min

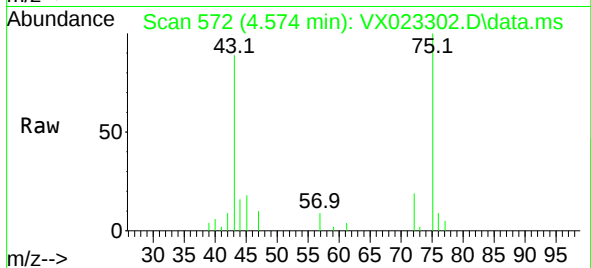
Lab File: VX023302.D

Acq: 15 Jul 2021 16:24

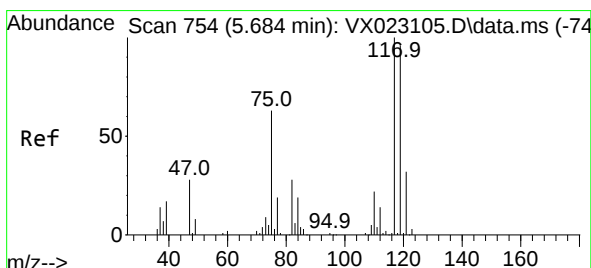
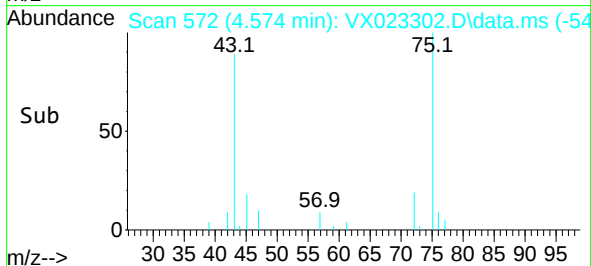
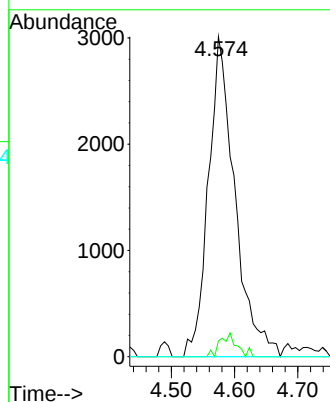
Instrument :

MSVOA_X

ClientSampleId :



Tgt Ion: 43	Resp: 8763
Ion Ratio	Lower Upper
43 100	
61 4.3	12.8 19.2#
70 0.0	10.5 15.7#



#38

Carbon Tetrachloride

Concen: 6.890 ug/l

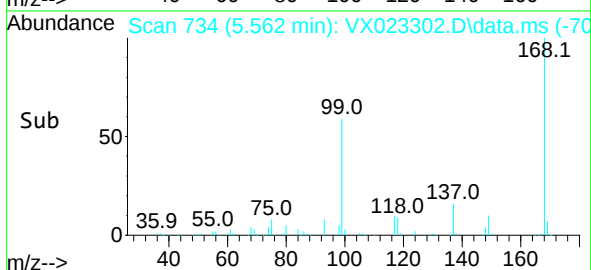
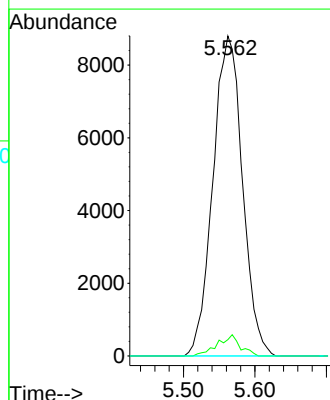
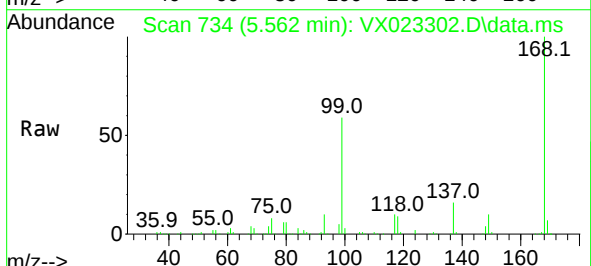
RT: 5.562 min Scan# 734

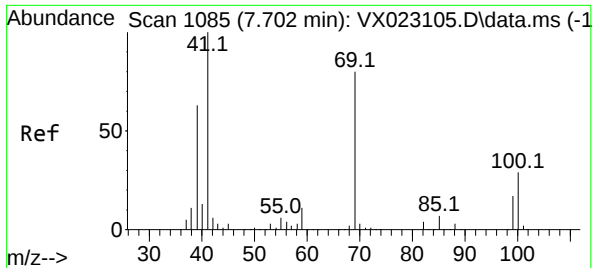
Delta R.T. -0.122 min

Lab File: VX023302.D

Acq: 15 Jul 2021 16:24

Tgt Ion: 117	Resp: 25229
Ion Ratio	Lower Upper
117 100	
119 5.1	76.2 114.2#
121 0.0	24.8 37.2#

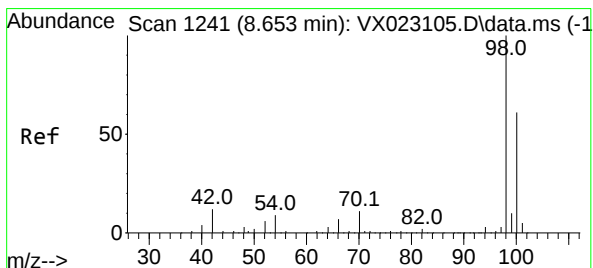
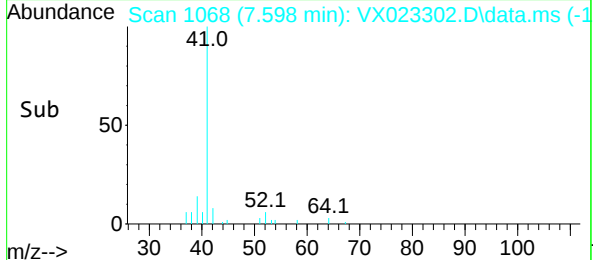
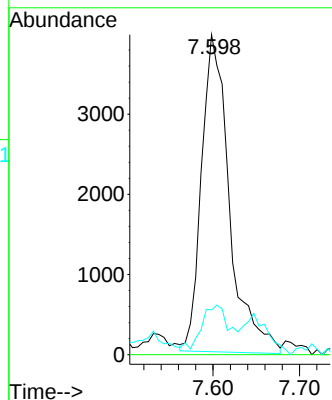
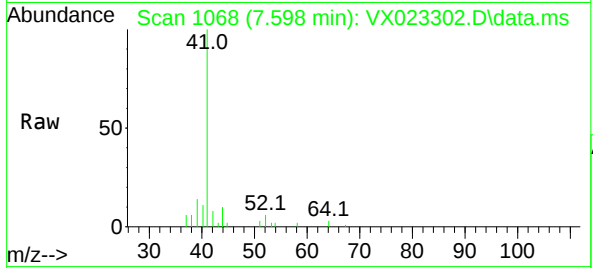




#48
Methyl methacrylate
Concen: 2.841 ug/l
RT: 7.598 min Scan# 1068
Delta R.T. -0.104 min
Lab File: VX023302.D
Acq: 15 Jul 2021 16:24

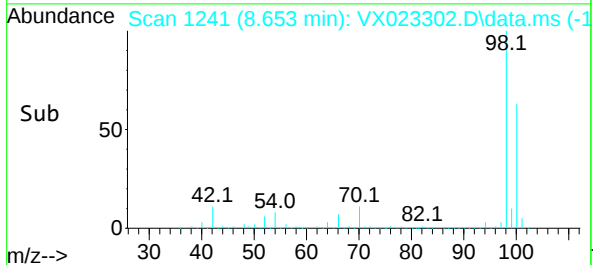
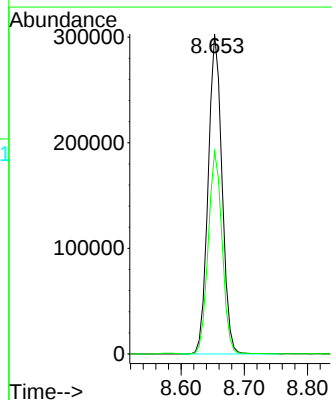
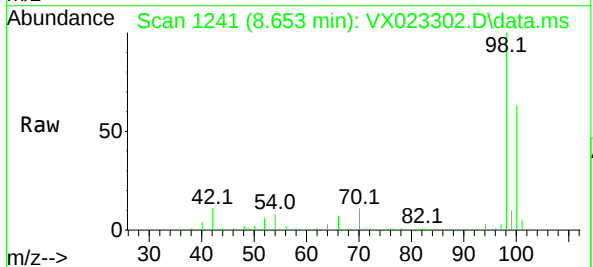
Instrument :
MSVOA_X
ClientSampleId :

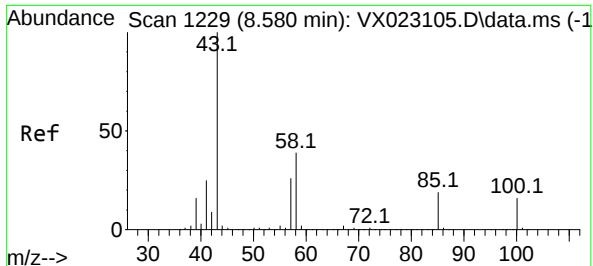
Tgt Ion: 41 Resp: 8874
Ion Ratio Lower Upper
41 100
69 0.0 76.0 114.0#
39 16.4 44.6 67.0#



#50
Toluene-d8
Concen: 48.632 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX023302.D
Acq: 15 Jul 2021 16:24

Tgt Ion: 98 Resp: 460983
Ion Ratio Lower Upper
98 100
100 63.5 51.9 77.9

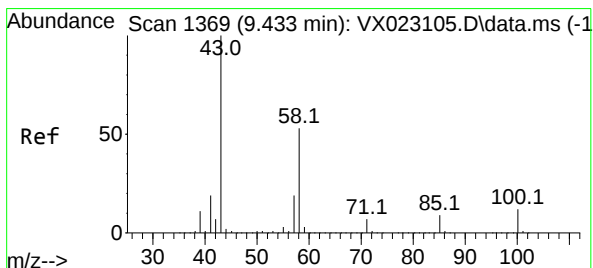
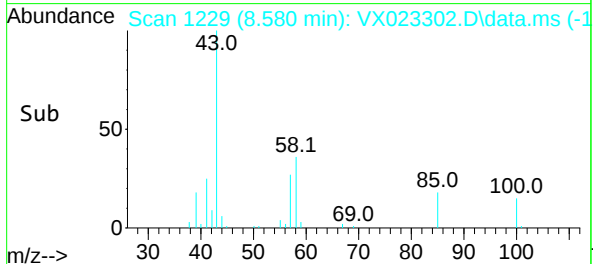
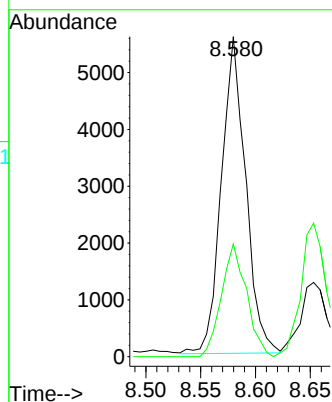
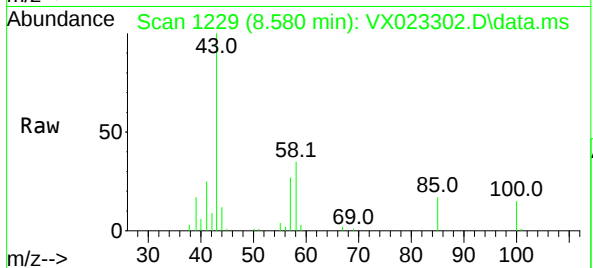




#51
4-Methyl-2-Pentanone
Concen: 2.174 ug/l
RT: 8.580 min Scan# 1229
Delta R.T. -0.000 min
Lab File: VX023302.D
Acq: 15 Jul 2021 16:24

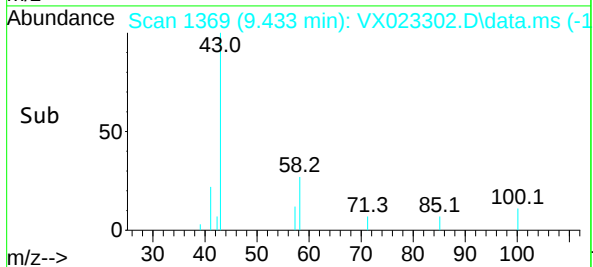
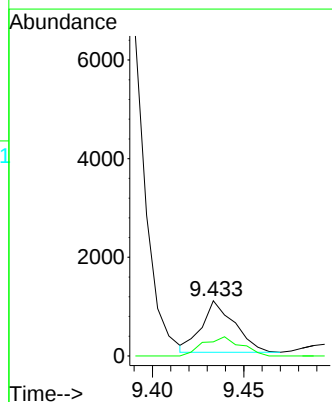
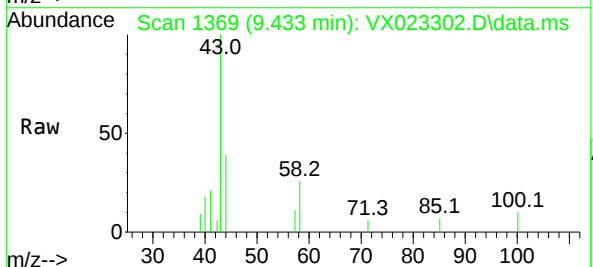
Instrument :
MSVOA_X
ClientSampled :

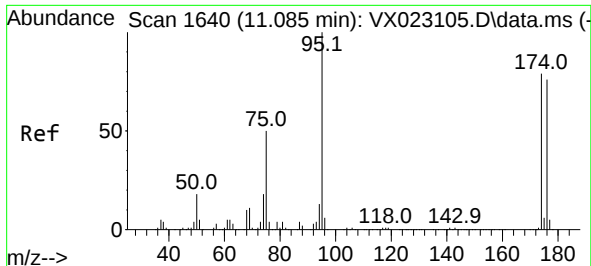
Tgt Ion: 43 Resp: 8577
Ion Ratio Lower Upper
43 100
58 36.7 35.4 53.0



#59
2-Hexanone
Concen: 0.433 ug/l
RT: 9.433 min Scan# 1369
Delta R.T. 0.000 min
Lab File: VX023302.D
Acq: 15 Jul 2021 16:24

Tgt Ion: 43 Resp: 1309
Ion Ratio Lower Upper
43 100
58 42.6 30.9 92.8

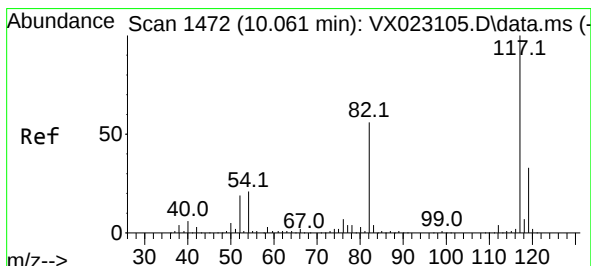
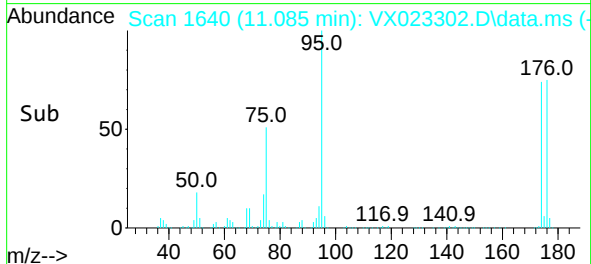
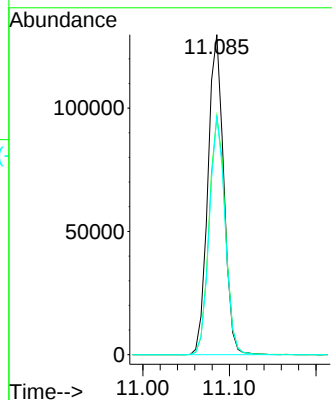
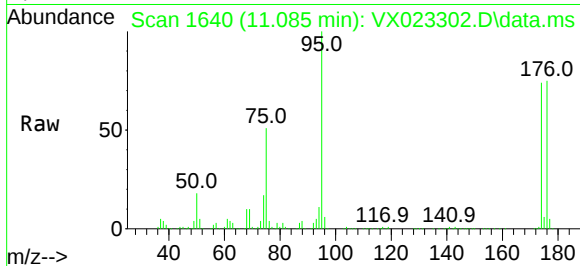




#62
4-Bromofluorobenzene
Concen: 44.945 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.000 min
Lab File: VX023302.D
Acq: 15 Jul 2021 16:24

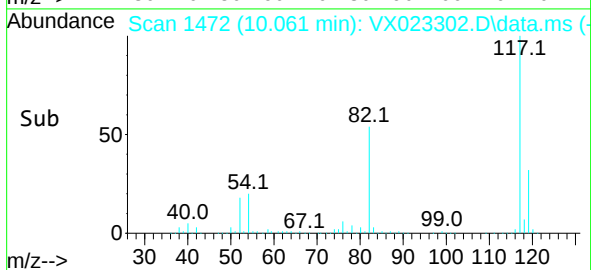
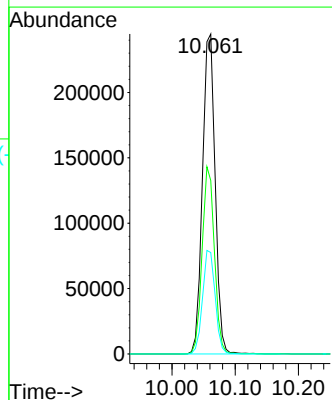
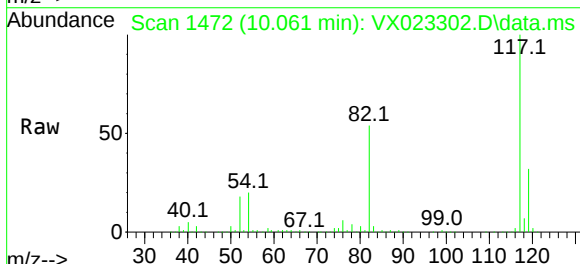
Instrument :
MSVOA_X
ClientSampleId :

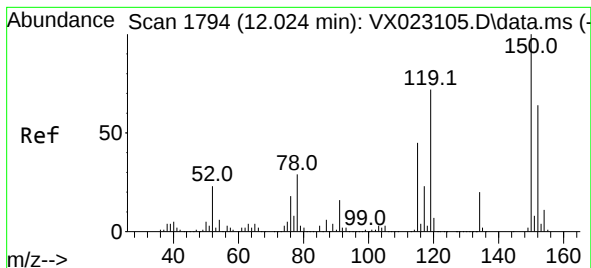
Tgt Ion: 95 Resp: 164472
Ion Ratio Lower Upper
95 100
174 76.3 0.0 154.6
176 74.2 0.0 155.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.061 min Scan# 1472
Delta R.T. 0.000 min
Lab File: VX023302.D
Acq: 15 Jul 2021 16:24

Tgt Ion: 117 Resp: 342038
Ion Ratio Lower Upper
117 100
82 54.2 47.4 71.2
119 31.7 26.6 39.8

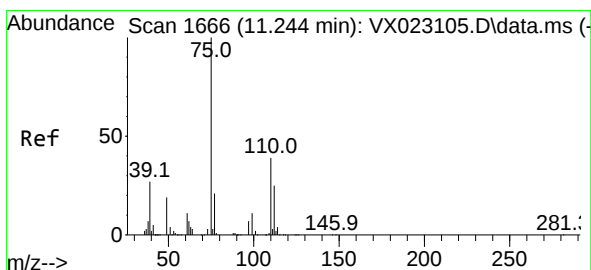
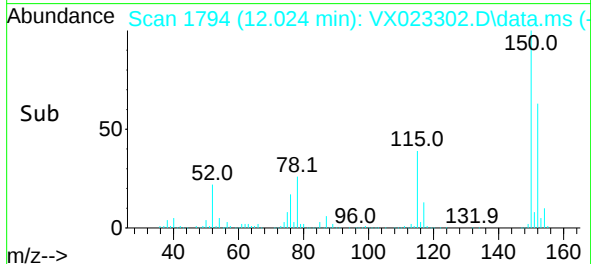
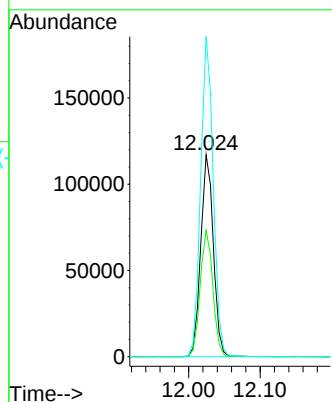
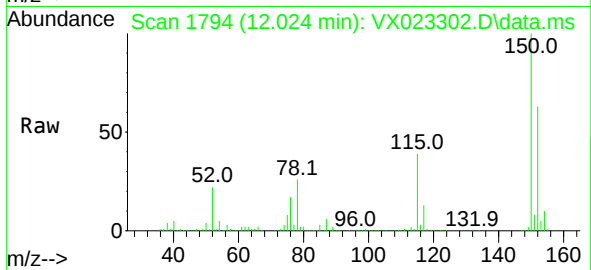




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.024 min Scan# 1794
 Delta R.T. 0.000 min
 Lab File: VX023302.D
 Acq: 15 Jul 2021 16:24

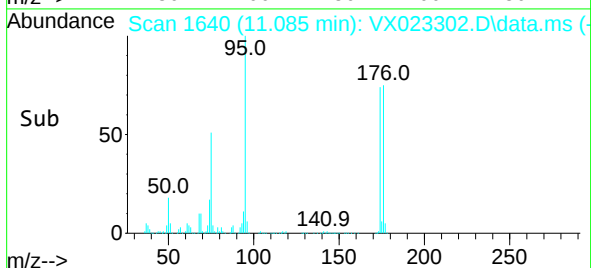
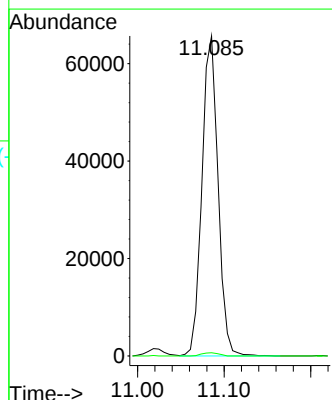
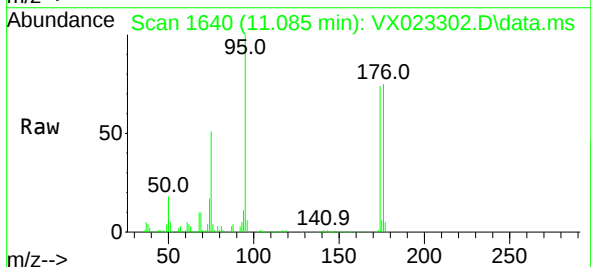
Instrument :
 MSVOA_X
 ClientSampleId :

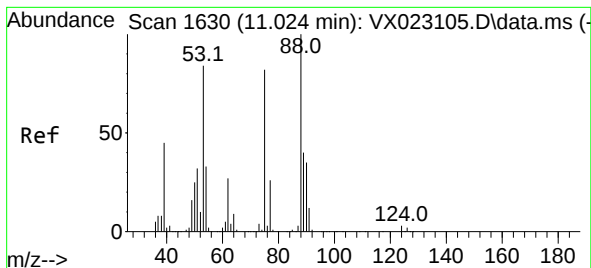
Tgt Ion:152 Resp: 143286
 Ion Ratio Lower Upper
 152 100
 115 62.6 41.1 123.3
 150 157.8 0.0 349.0



#76
 1,2,3-Trichloropropane
 Concen: 29.429 ug/l
 RT: 11.085 min Scan# 1640
 Delta R.T. -0.159 min
 Lab File: VX023302.D
 Acq: 15 Jul 2021 16:24

Tgt Ion: 75 Resp: 84855
 Ion Ratio Lower Upper
 75 100
 77 1.1 19.1 57.5#

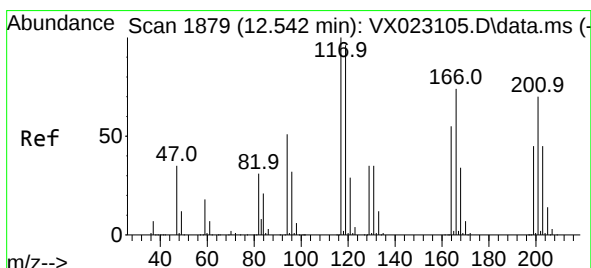
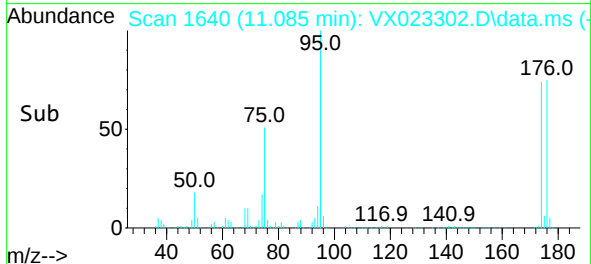
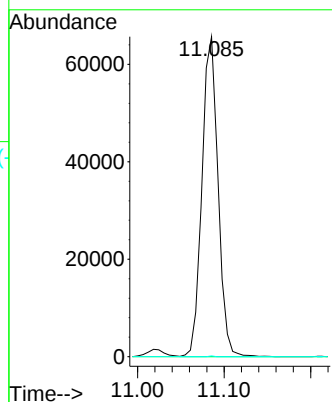
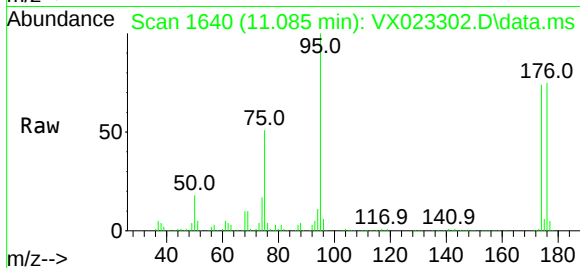




#81
trans-1,4-Dichloro-2-butene
Concen: 79.108 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.061 min
Lab File: VX023302.D
Acq: 15 Jul 2021 16:24

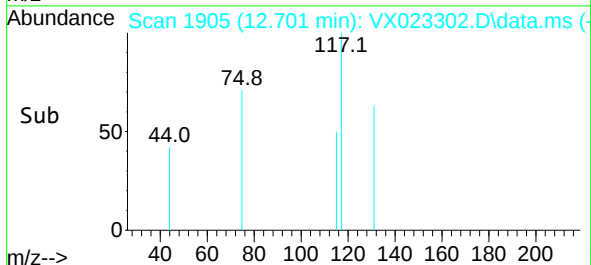
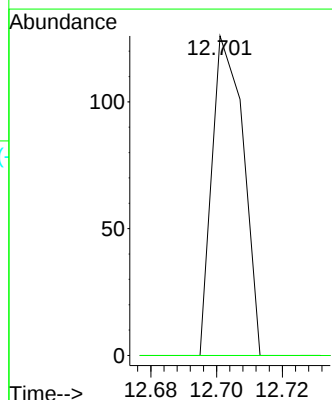
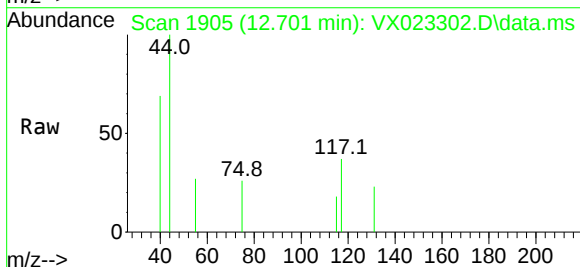
Instrument :
MSVOA_X
ClientSampled :

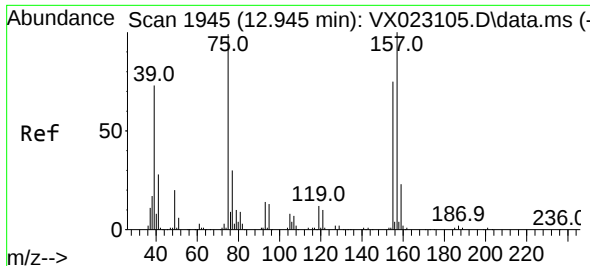
Tgt Ion: 75 Resp: 84855
Ion Ratio Lower Upper
75 100
53 0.0 74.5 111.7#
89 0.1 37.9 56.9#



#90
Hexachloroethane
Concen: 3.047 ug/l
RT: 12.701 min Scan# 1905
Delta R.T. 0.159 min
Lab File: VX023302.D
Acq: 15 Jul 2021 16:24

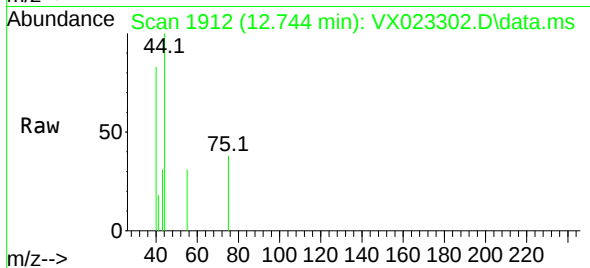
Tgt Ion: 117 Resp: 83
Ion Ratio Lower Upper
117 100
201 0.0 40.4 121.2#



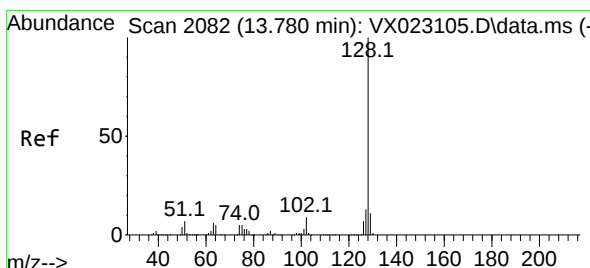
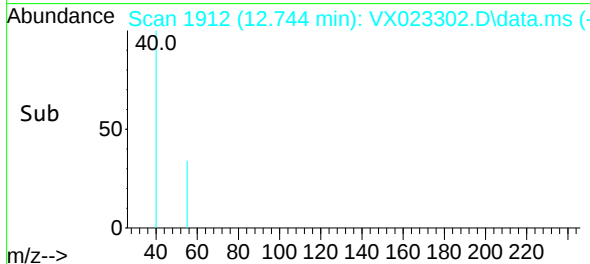
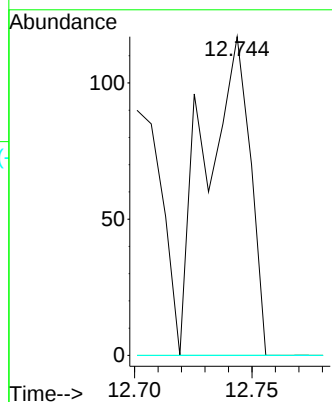


#92
1,2-Dibromo-3-Chloropropane
Concen: 2.760 ug/l
RT: 12.744 min Scan# 1912
Delta R.T. -0.201 min
Lab File: VX023302.D
Acq: 15 Jul 2021 16:24

Instrument :
MSVOA_X
ClientSampled :



Tgt Ion: 75 Resp: 157
Ion Ratio Lower Upper
75 100
155 0.0 45.3 135.9#
157 0.0 57.7 173.1#



#95
Naphthalene
Concen: 1.302 ug/l
RT: 13.780 min Scan# 2082
Delta R.T. 0.000 min
Lab File: VX023302.D
Acq: 15 Jul 2021 16:24

Tgt Ion: 128 Resp: 295
Ion Ratio Lower Upper
128 100
127 0.0 10.3 15.5#
129 0.0 8.8 13.2#

