

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX071322\
 Data File : VX030037.D
 Acq On : 13 Jul 2022 12:10
 Operator : JC/MD
 Sample : N3691-02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TB-01-071222

Quant Time: Jul 14 04:55:00 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X071222W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jul 13 09:05:23 2022
 Response via : Initial Calibration

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

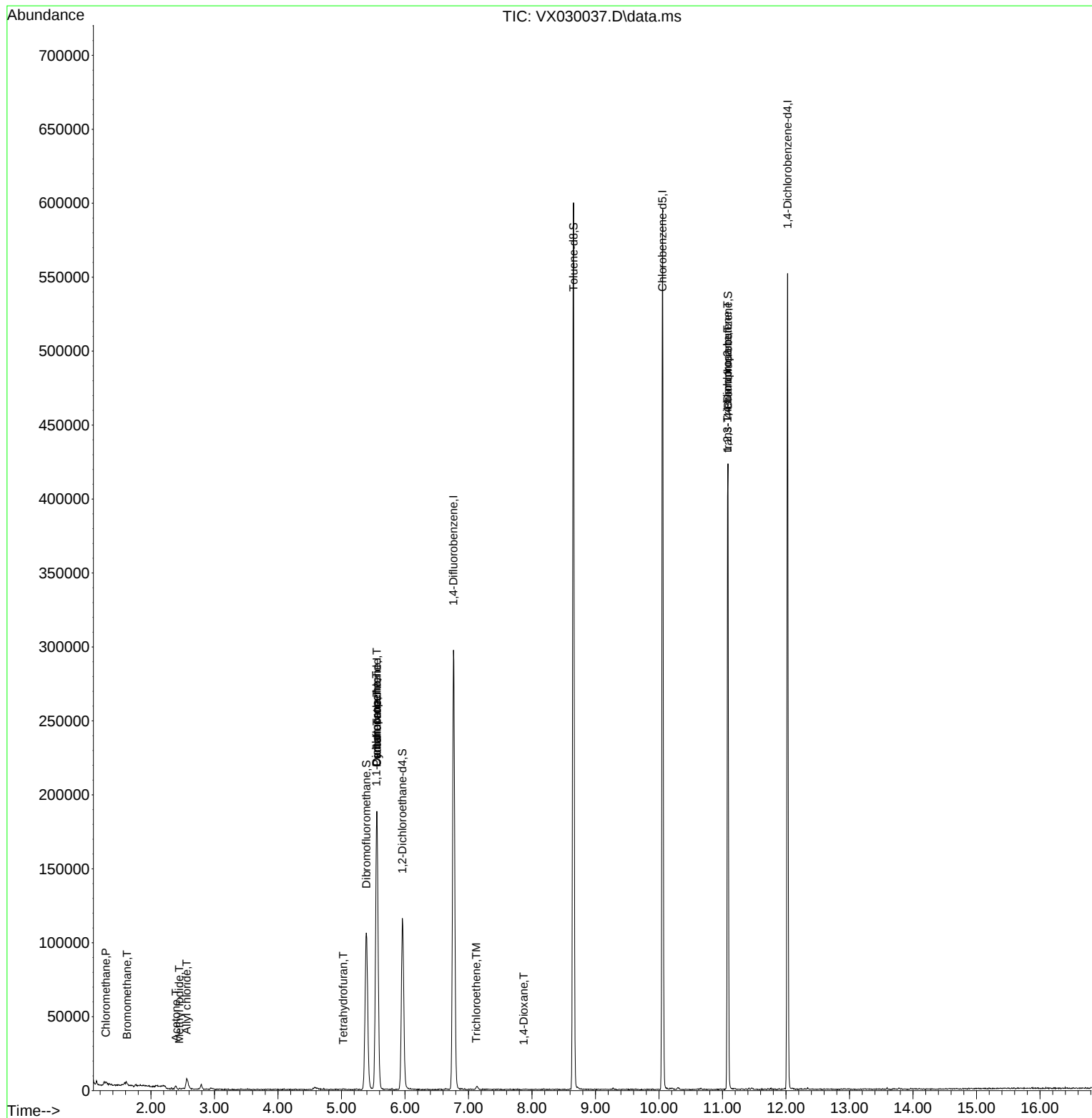
Internal Standards						
1) Pentafluorobenzene	5.556	168	188050	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	320328	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	276126	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	114837	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	100648	43.972	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	87.940%		
35) Dibromofluoromethane	5.391	113	96013	46.919	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	93.840%		
50) Toluene-d8	8.653	98	361801	47.010	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	94.020%		
62) 4-Bromofluorobenzene	11.085	95	119081	44.586	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	89.180%		
Target Compounds			Qvalue			
2) Dichlorodifluoromethane	1.167	85	109	Below Cal	#	42
3) Chloromethane	1.288	50	594	0.303	ug/l #	83
5) Bromomethane	1.624	94	264	0.286	ug/l #	78
10) Methyl Iodide	2.447	142	566	2.694	ug/l #	86
14) Allyl chloride	2.563	41	1251	0.374	ug/l #	78
16) Acetone	2.392	43	2279	2.113	ug/l #	81
17) Carbon Disulfide	2.514	76	899	Below Cal	#	74
20) Methylene Chloride	2.794	84	1301	Below Cal		90
29) Tetrahydrofuran	5.026	42	292	0.234	ug/l #	50
31) Cyclohexane	5.556	56	3837	1.156	ug/l #	1
36) 1,1-Dichloropropene	5.550	75	13450	5.088	ug/l #	42
38) Carbon Tetrachloride	5.556	117	16961	6.881	ug/l #	18
44) Trichloroethene	7.123	130	896	0.369	ug/l	84
49) 1,4-Dioxane	7.867	88	46	0.751	ug/l #	25
76) 1,2,3-Trichloropropane	11.079	75	54969	20.819	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.079	75	54969	60.083	ug/l #	12

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

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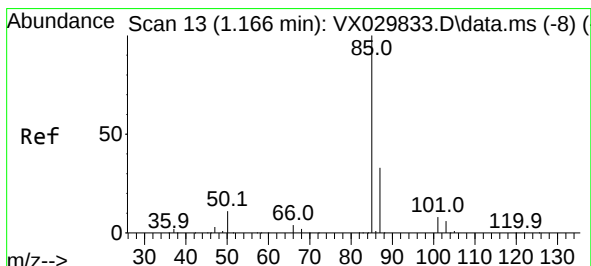
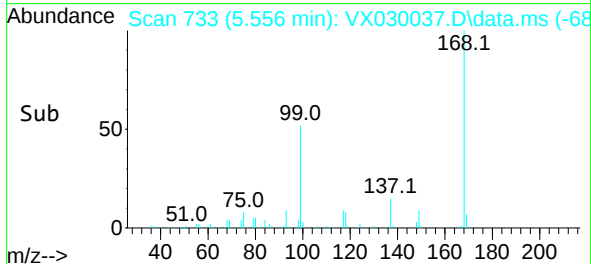
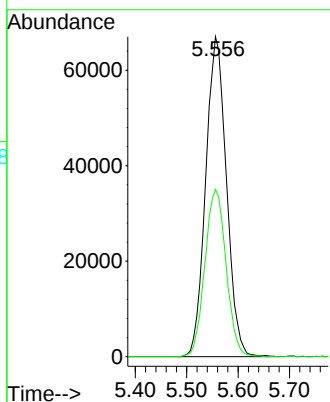
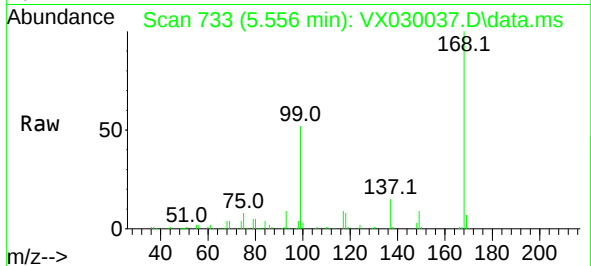




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. 0.000 min
Lab File: VX030037.D
Acq: 13 Jul 2022 12:10

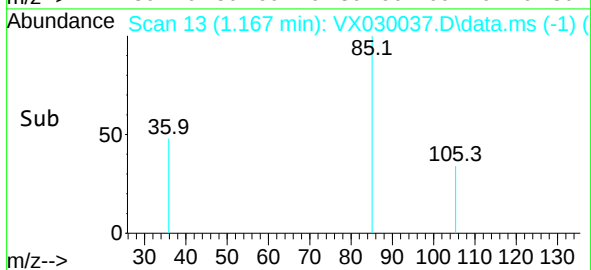
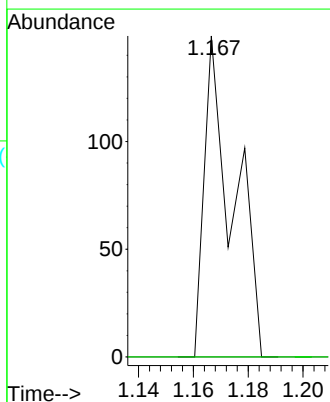
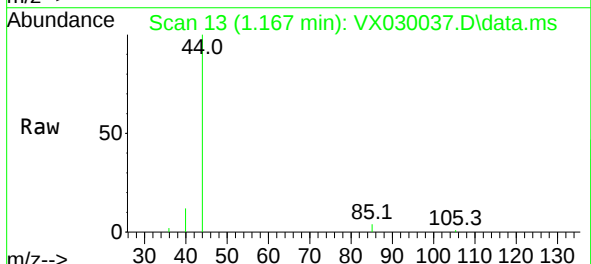
Instrument :
MSVOA_X
ClientSampleId :
TB-01-071222

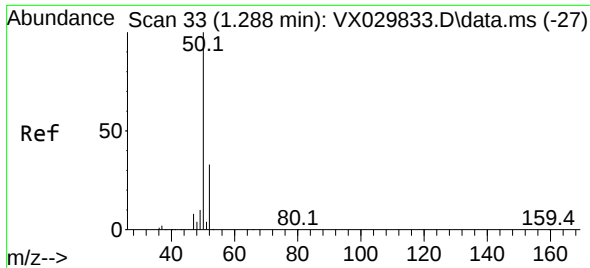
Tgt Ion:168 Resp: 188050
Ion Ratio Lower Upper
168 100
99 52.3 44.0 66.0



#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.167 min Scan# 13
Delta R.T. 0.001 min
Lab File: VX030037.D
Acq: 13 Jul 2022 12:10

Tgt Ion: 85 Resp: 109
Ion Ratio Lower Upper
85 100
87 0.0 16.5 49.5

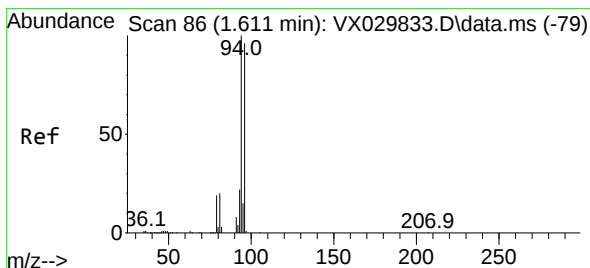
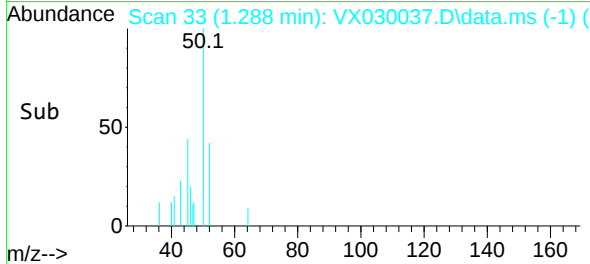
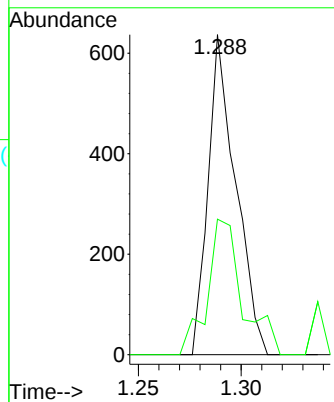
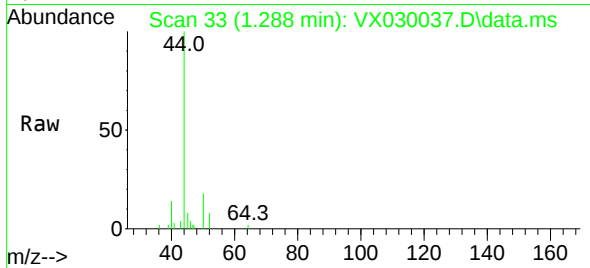




#3
Chloromethane
Concen: 0.303 ug/l
RT: 1.288 min Scan# 31
Delta R.T. 0.000 min
Lab File: VX030037.D
Acq: 13 Jul 2022 12:10

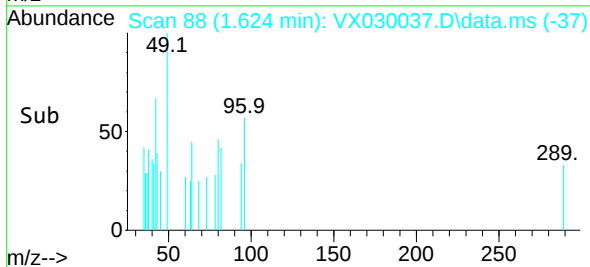
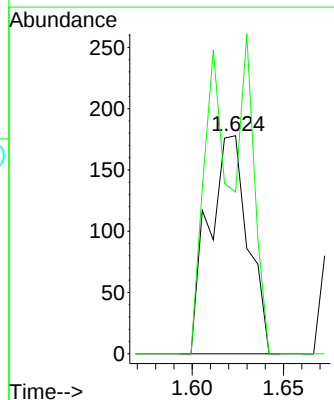
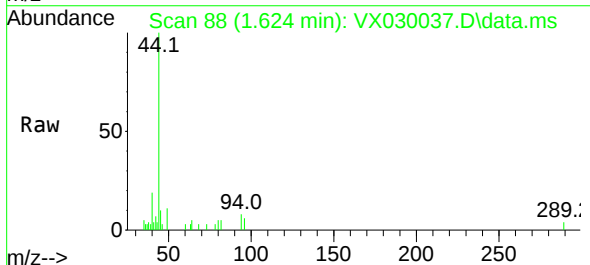
Instrument :
MSVOA_X
ClientSampleId :
TB-01-071222

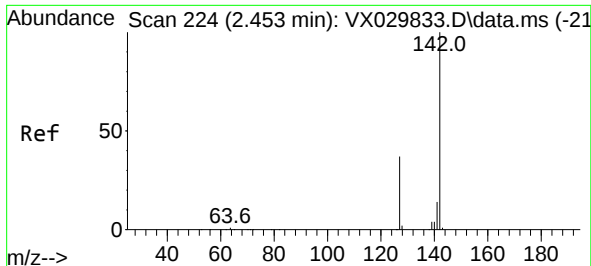
Tgt Ion: 50 Resp: 594
Ion Ratio Lower Upper
50 100
52 42.4 26.3 39.5#



#5
Bromomethane
Concen: 0.286 ug/l
RT: 1.624 min Scan# 88
Delta R.T. 0.013 min
Lab File: VX030037.D
Acq: 13 Jul 2022 12:10

Tgt Ion: 94 Resp: 264
Ion Ratio Lower Upper
94 100
96 74.2 76.9 115.3#

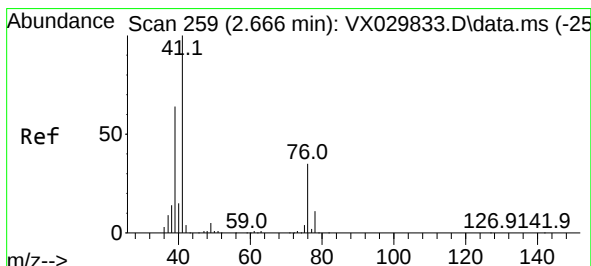
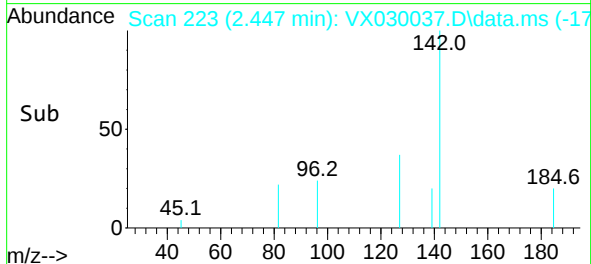
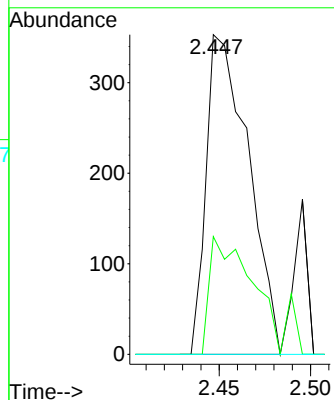
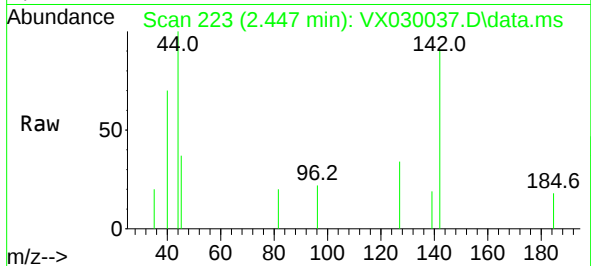




#10
Methyl Iodide
Concen: 2.694 ug/l
RT: 2.447 min Scan# 21
Delta R.T. -0.006 min
Lab File: VX030037.D
Acq: 13 Jul 2022 12:10

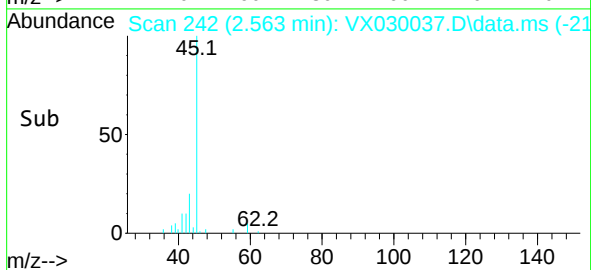
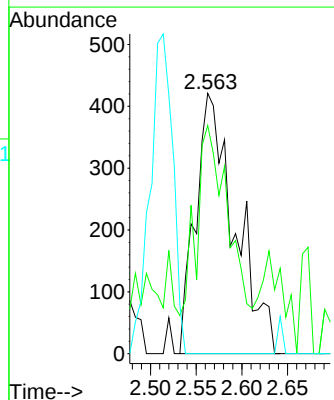
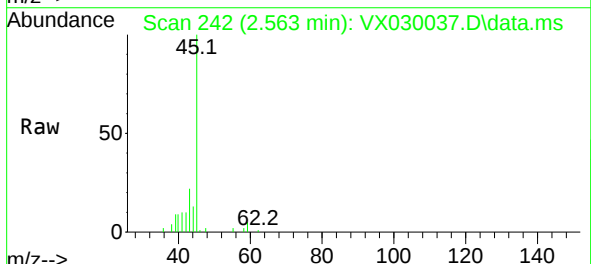
Instrument :
MSVOA_X
ClientSampleId :
TB-01-071222

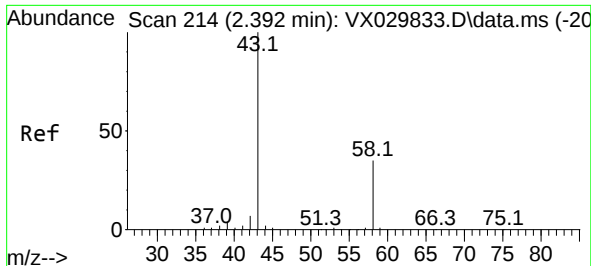
Tgt Ion:142 Resp: 566
Ion Ratio Lower Upper
142 100
127 41.3 30.2 45.2
141 0.0 11.3 16.9#



#14
Allyl chloride
Concen: 0.374 ug/l
RT: 2.563 min Scan# 242
Delta R.T. -0.103 min
Lab File: VX030037.D
Acq: 13 Jul 2022 12:10

Tgt Ion: 41 Resp: 1251
Ion Ratio Lower Upper
41 100
39 60.1 48.9 73.3
76 0.0 26.9 40.3#

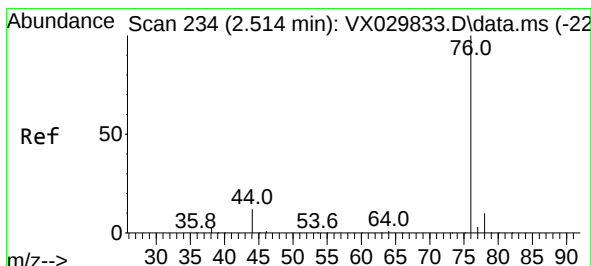
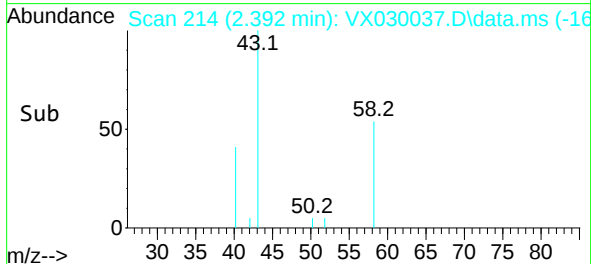
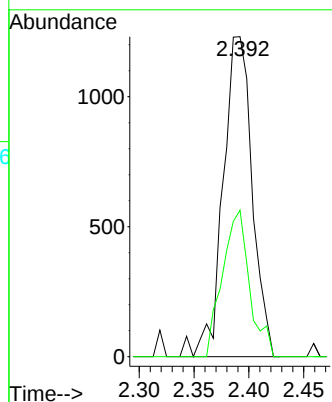
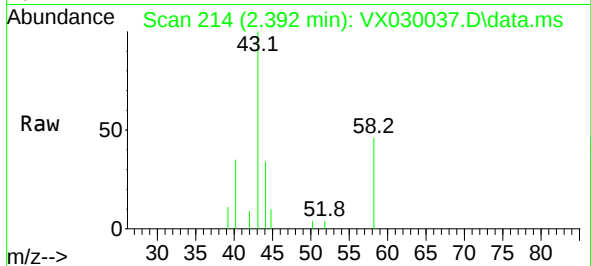




#16
Acetone
Concen: 2.113 ug/l
RT: 2.392 min Scan# 214
Delta R.T. -0.000 min
Lab File: VX030037.D
Acq: 13 Jul 2022 12:10

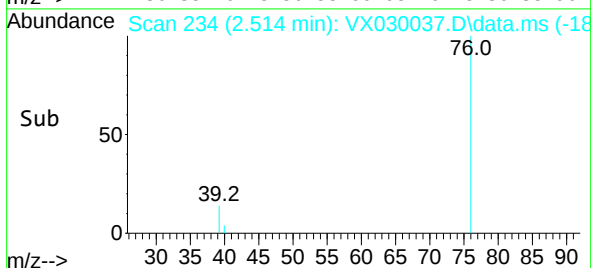
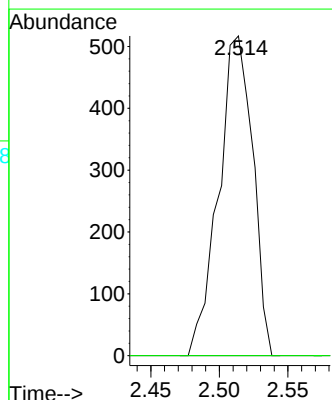
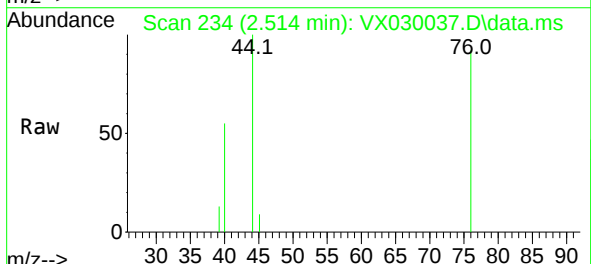
Instrument :
MSVOA_X
ClientSampleId :
TB-01-071222

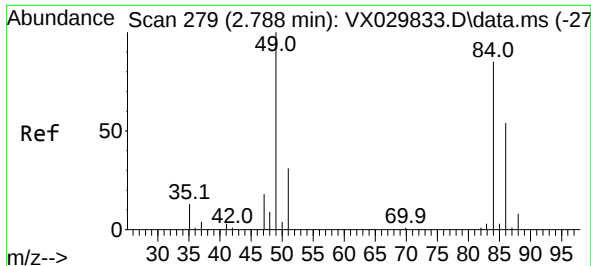
Tgt Ion: 43 Resp: 2279
Ion Ratio Lower Upper
43 100
58 45.7 27.7 41.5#



#17
Carbon Disulfide
Concen: Below Cal
RT: 2.514 min Scan# 234
Delta R.T. -0.000 min
Lab File: VX030037.D
Acq: 13 Jul 2022 12:10

Tgt Ion: 76 Resp: 899
Ion Ratio Lower Upper
76 100
78 0.0 7.8 11.6#



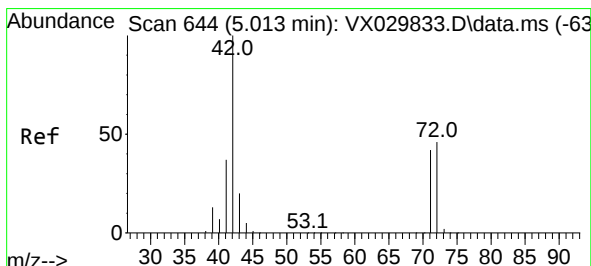
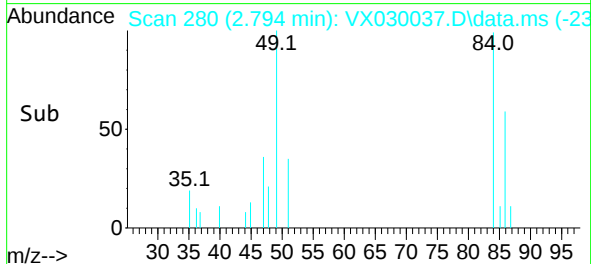
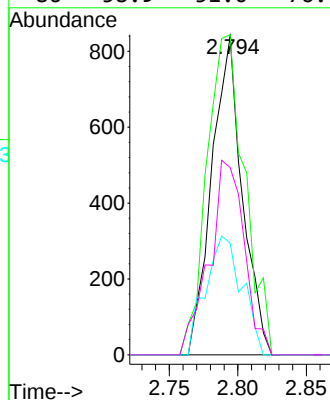
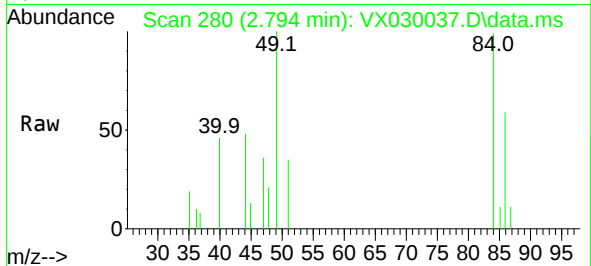


#20
Methylene Chloride
Concen: Below Cal
RT: 2.794 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX030037.D
Acq: 13 Jul 2022 12:10

Instrument :
MSVOA_X
ClientSampleId :
TB-01-071222

Tgt Ion: 84 Resp: 1301

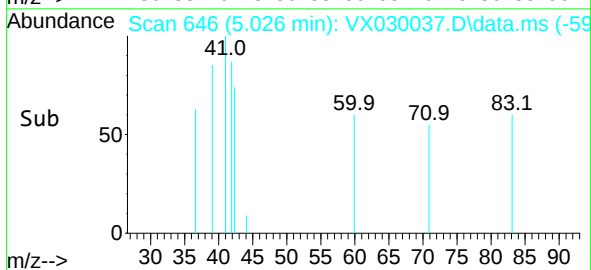
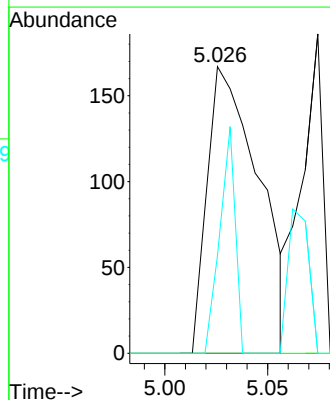
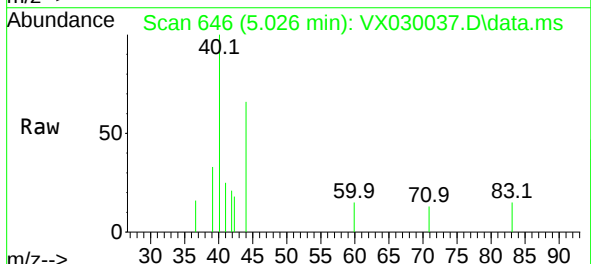
Ion	Ratio	Lower	Upper
84	100		
49	100.6	93.8	140.6
51	35.2	29.4	44.0
86	58.9	51.0	76.4

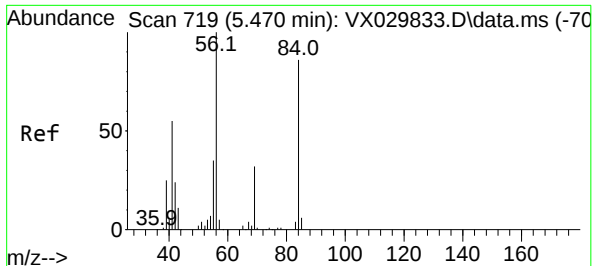


#29
Tetrahydrofuran
Concen: 0.234 ug/l
RT: 5.026 min Scan# 646
Delta R.T. 0.013 min
Lab File: VX030037.D
Acq: 13 Jul 2022 12:10

Tgt Ion: 42 Resp: 292

Ion	Ratio	Lower	Upper
42	100		
72	0.0	36.5	54.7#
71	23.6	33.9	50.9#

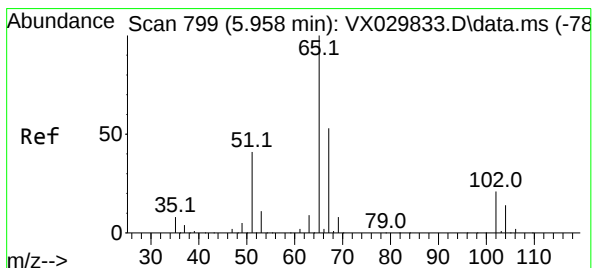
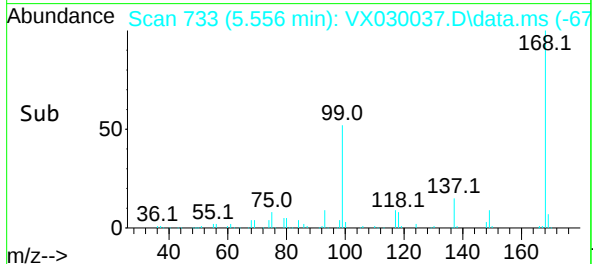
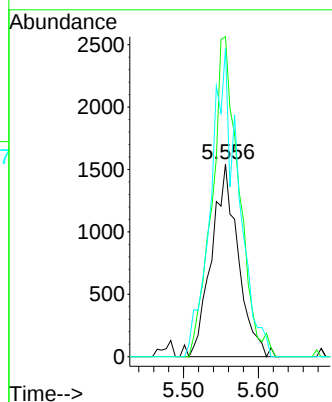
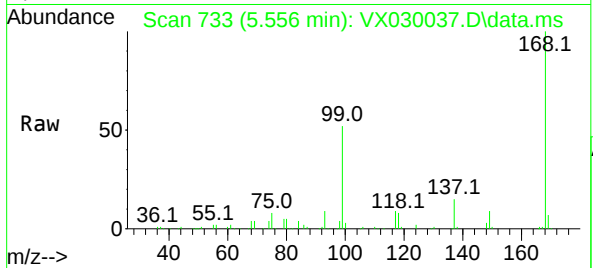




#31
Cyclohexane
Concen: 1.156 ug/l
RT: 5.556 min Scan# 719
Delta R.T. 0.086 min
Lab File: VX030037.D
Acq: 13 Jul 2022 12:10

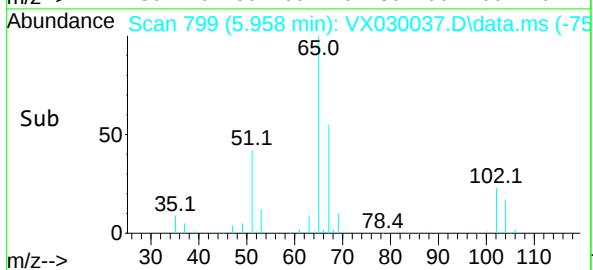
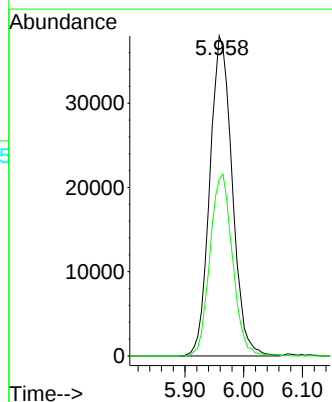
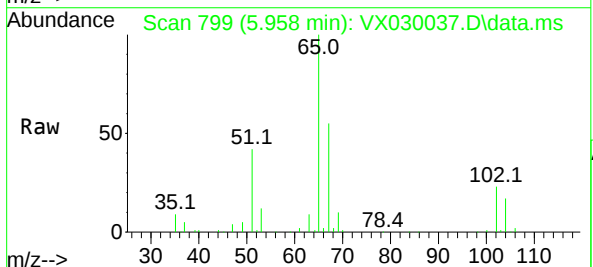
Instrument :
MSVOA_X
ClientSampleId :
TB-01-071222

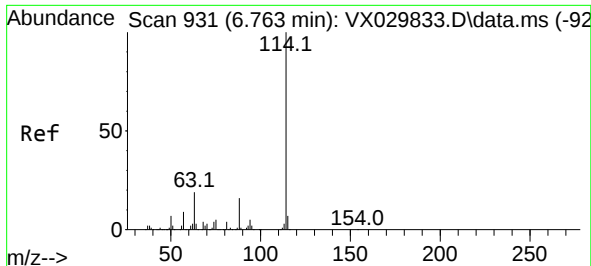
Tgt Ion: 56 Resp: 3837
Ion Ratio Lower Upper
56 100
69 166.1 25.4 38.0#
84 160.2 68.9 103.3#



#33
1,2-Dichloroethane-d4
Concen: 43.972 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.000 min
Lab File: VX030037.D
Acq: 13 Jul 2022 12:10

Tgt Ion: 65 Resp: 100648
Ion Ratio Lower Upper
65 100
67 57.0 0.0 109.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.763 min Scan# 91

Delta R.T. 0.000 min

Lab File: VX030037.D

Acq: 13 Jul 2022 12:10

Instrument :

MSVOA_X

ClientSampleId :

TB-01-071222

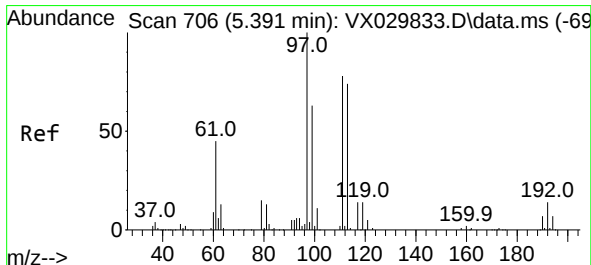
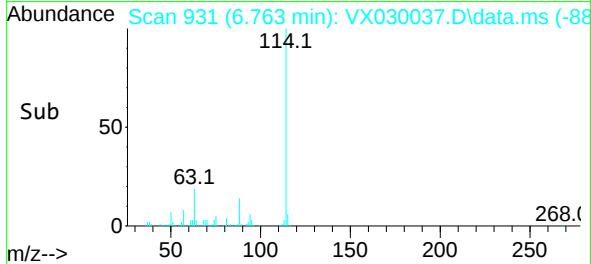
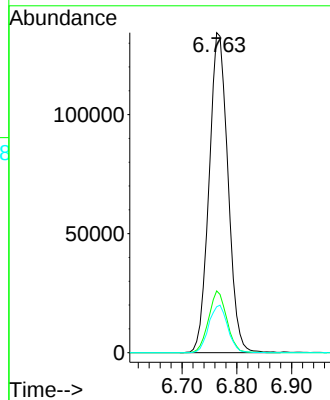
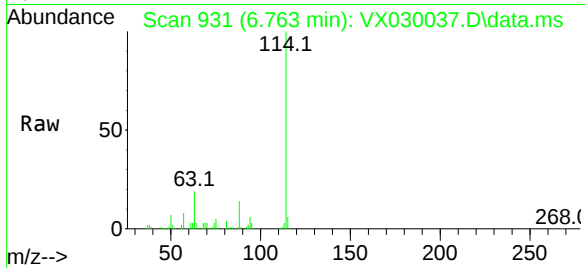
Tgt Ion:114 Resp: 320328

Ion Ratio Lower Upper

114 100

63 19.3 0.0 38.4

88 14.3 0.0 31.8



#35

Dibromofluoromethane

Concen: 46.919 ug/l

RT: 5.391 min Scan# 706

Delta R.T. 0.000 min

Lab File: VX030037.D

Acq: 13 Jul 2022 12:10

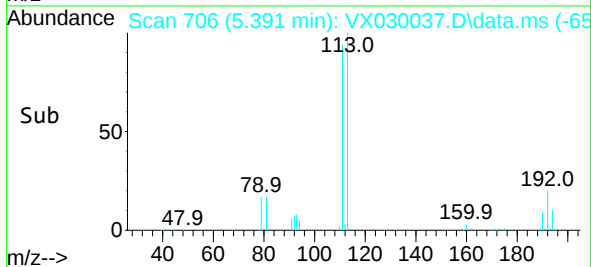
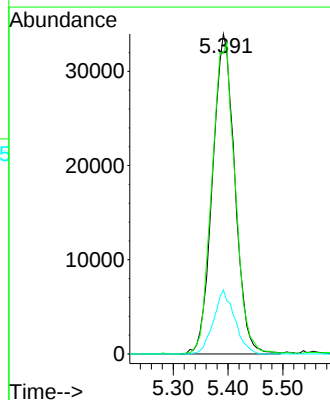
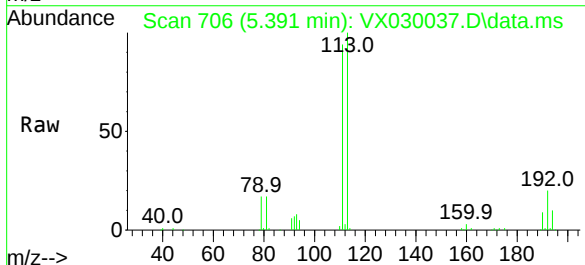
Tgt Ion:113 Resp: 96013

Ion Ratio Lower Upper

113 100

111 101.1 83.2 124.8

192 18.9 14.8 22.2

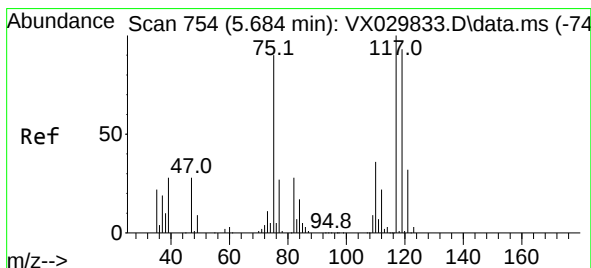
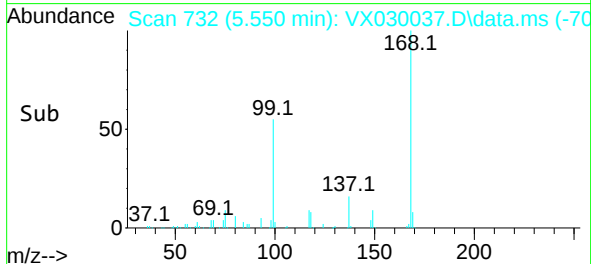
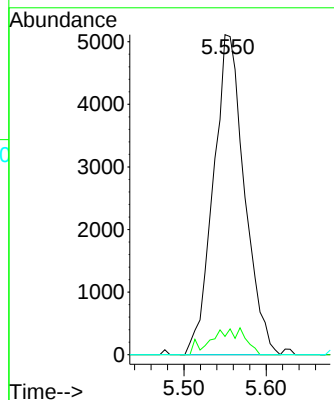
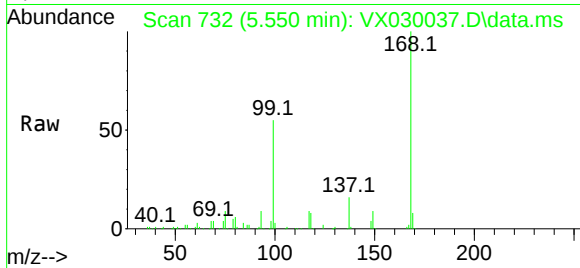




#36
1,1-Dichloropropene
Concen: 5.088 ug/l
RT: 5.550 min Scan# 713
Delta R.T. -0.146 min
Lab File: VX030037.D
Acq: 13 Jul 2022 12:10

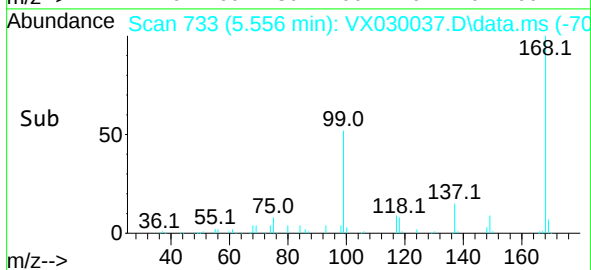
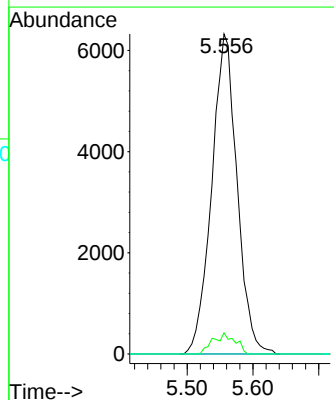
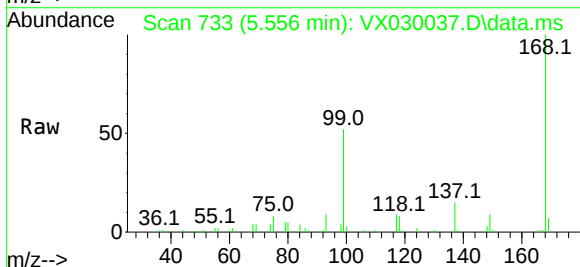
Instrument :
MSVOA_X
ClientSampleId :
TB-01-071222

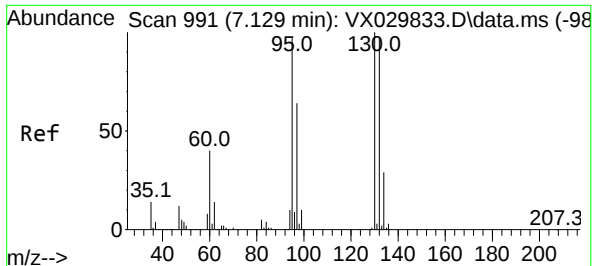
Tgt Ion: 75 Resp: 13450
Ion Ratio Lower Upper
75 100
110 2.6 19.3 57.9#
77 0.0 24.4 36.6#



#38
Carbon Tetrachloride
Concen: 6.881 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.128 min
Lab File: VX030037.D
Acq: 13 Jul 2022 12:10

Tgt Ion: 117 Resp: 16961
Ion Ratio Lower Upper
117 100
119 6.6 74.1 111.1#
121 0.0 25.8 38.8#

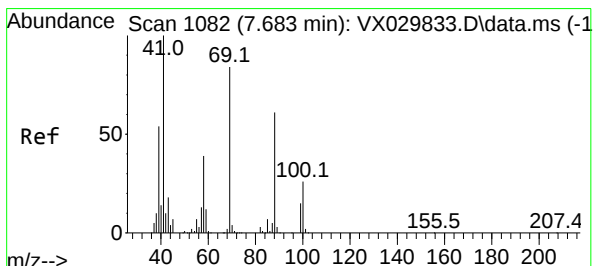
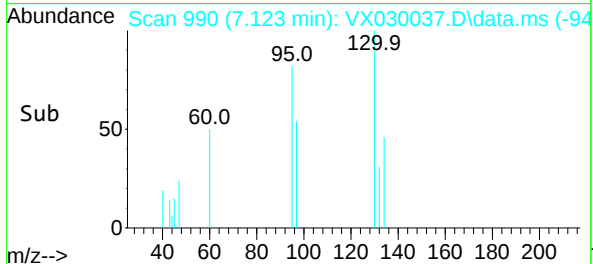
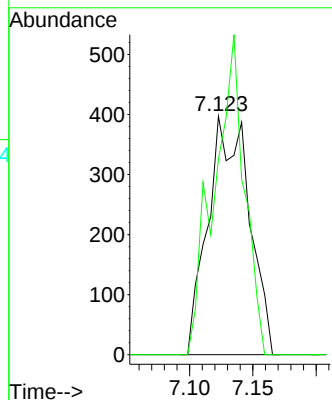
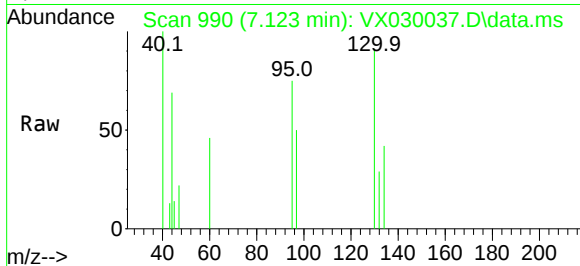




#44
 Trichloroethene
 Concen: 0.369 ug/l
 RT: 7.123 min Scan# 991
 Delta R.T. -0.006 min
 Lab File: VX030037.D
 Acq: 13 Jul 2022 12:10

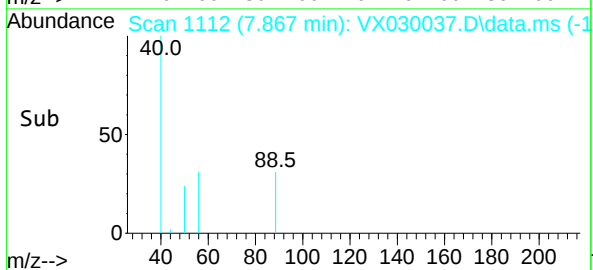
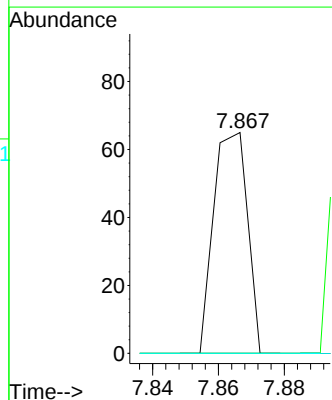
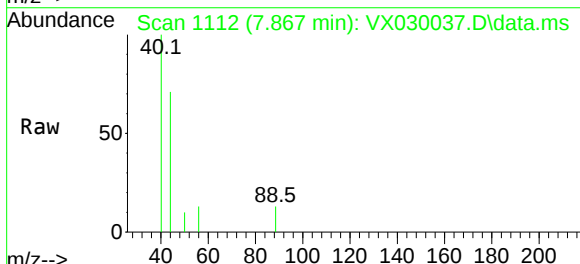
Instrument :
 MSVOA_X
 ClientSampleId :
 TB-01-071222

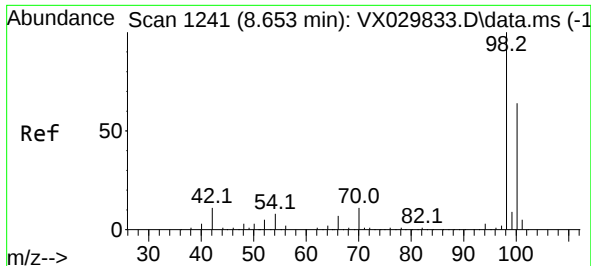
Tgt Ion: 130 Resp: 896
 Ion Ratio Lower Upper
 130 100
 95 82.1 0.0 194.8



#49
 1,4-Dioxane
 Concen: 0.751 ug/l
 RT: 7.867 min Scan# 1112
 Delta R.T. 0.184 min
 Lab File: VX030037.D
 Acq: 13 Jul 2022 12:10

Tgt Ion: 88 Resp: 46
 Ion Ratio Lower Upper
 88 100
 43 0.0 23.8 35.8#
 58 0.0 53.8 80.6#

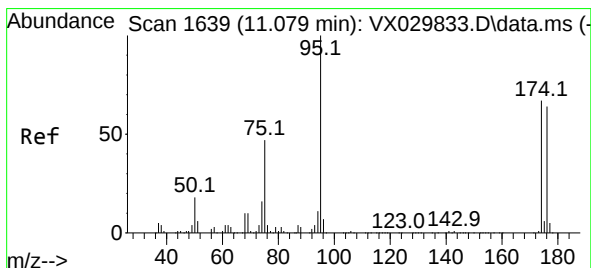
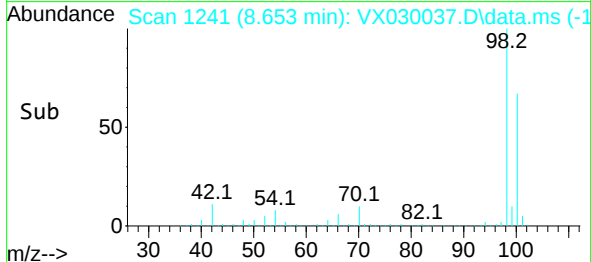
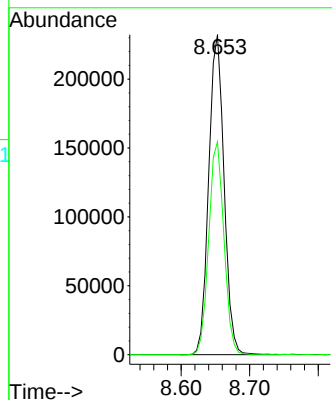
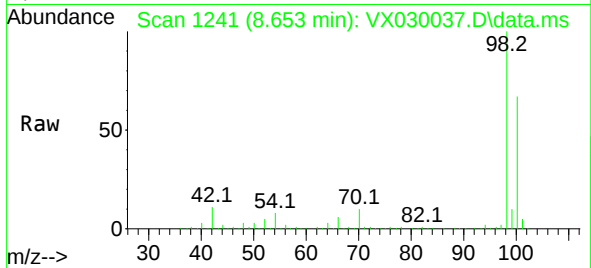




#50
Toluene-d8
Concen: 47.010 ug/l
RT: 8.653 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX030037.D
Acq: 13 Jul 2022 12:10

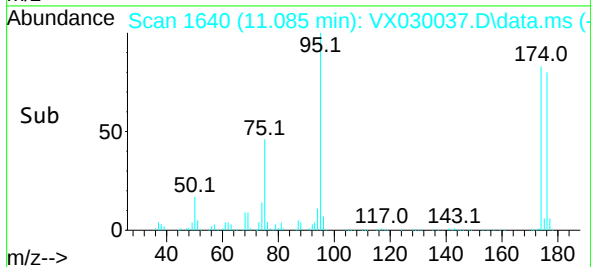
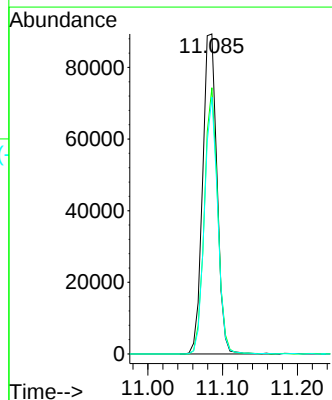
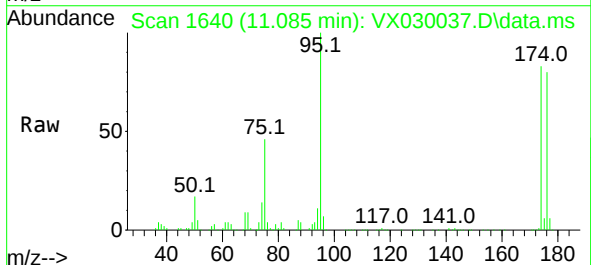
Instrument :
MSVOA_X
ClientSampleId :
TB-01-071222

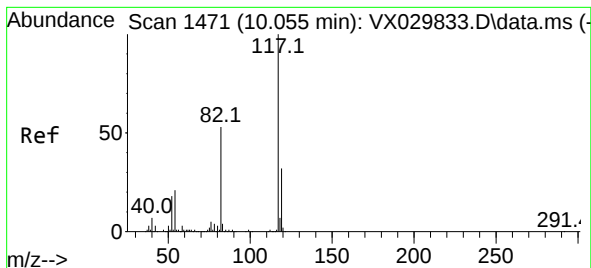
Tgt Ion: 98 Resp: 361801
Ion Ratio Lower Upper
98 100
100 66.0 52.3 78.5



#62
4-Bromofluorobenzene
Concen: 44.586 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.006 min
Lab File: VX030037.D
Acq: 13 Jul 2022 12:10

Tgt Ion: 95 Resp: 119081
Ion Ratio Lower Upper
95 100
174 77.2 0.0 149.0
176 74.3 0.0 146.0





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.055 min Scan# 1471

Delta R.T. 0.000 min

Lab File: VX030037.D

Acq: 13 Jul 2022 12:10

Instrument :

MSVOA_X

ClientSampleId :

TB-01-071222

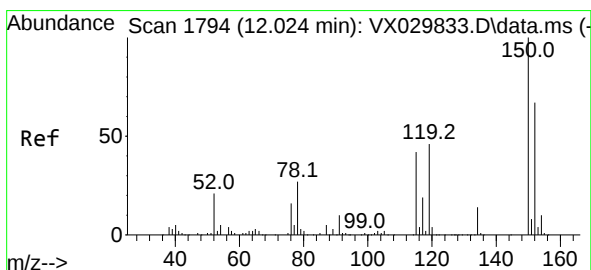
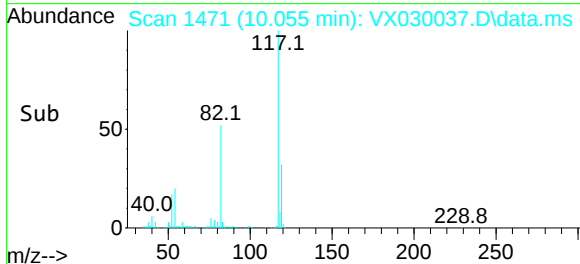
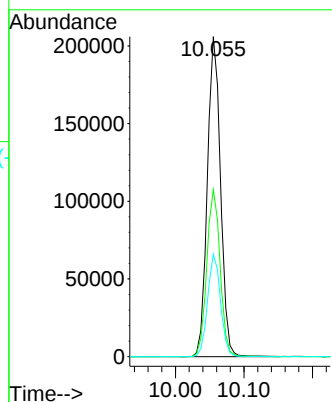
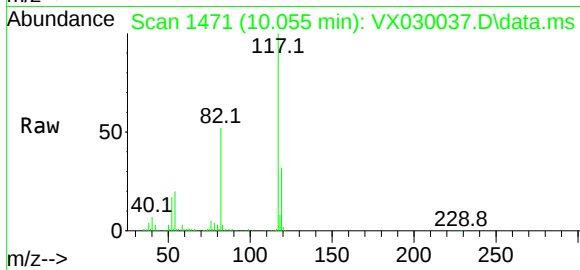
Tgt Ion:117 Resp: 276126

Ion Ratio Lower Upper

117 100

82 52.2 42.7 64.1

119 32.1 25.4 38.2



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.024 min Scan# 1794

Delta R.T. 0.000 min

Lab File: VX030037.D

Acq: 13 Jul 2022 12:10

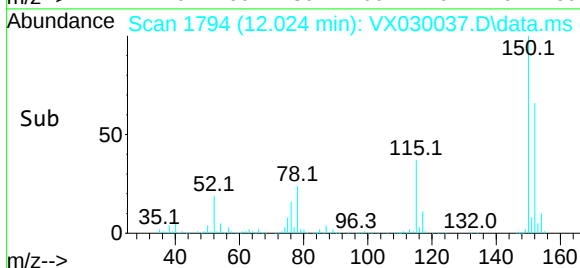
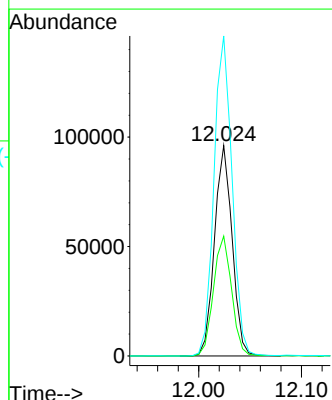
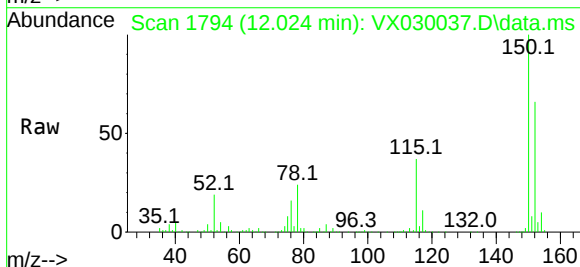
Tgt Ion:152 Resp: 114837

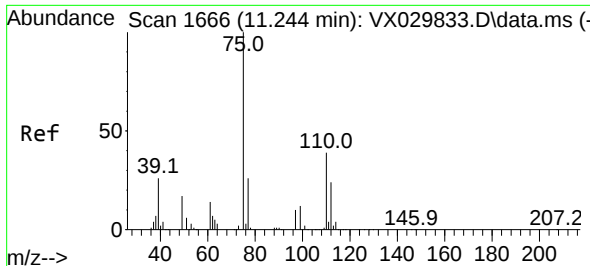
Ion Ratio Lower Upper

152 100

115 58.6 40.5 121.5

150 155.8 0.0 347.0

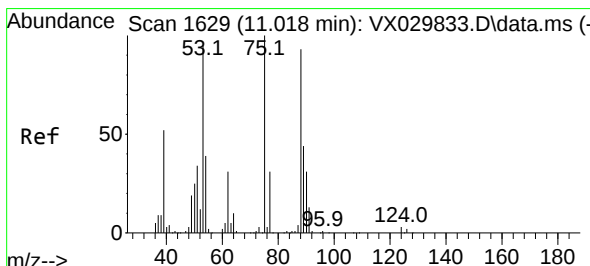
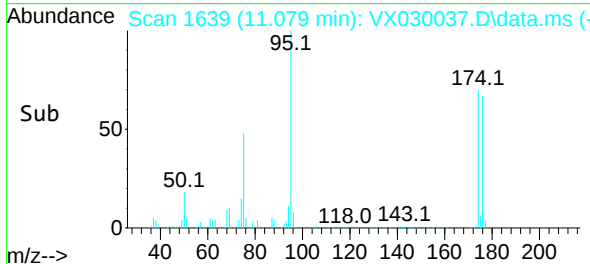
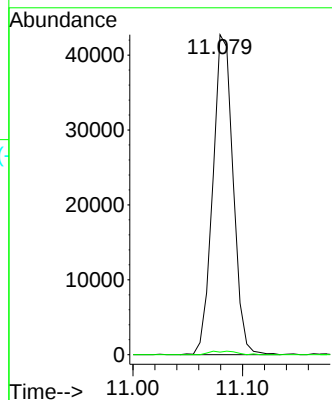
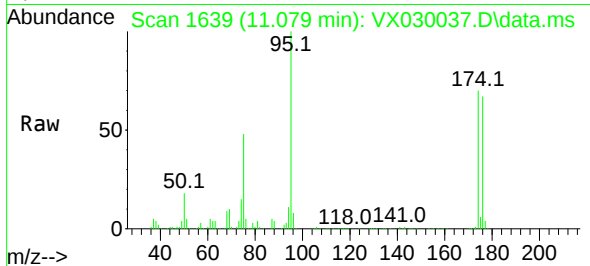




#76
1,2,3-Trichloropropane
Concen: 20.819 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.165 min
Lab File: VX030037.D
Acq: 13 Jul 2022 12:10

Instrument :
MSVOA_X
ClientSampleId :
TB-01-071222

Tgt Ion: 75 Resp: 54969
Ion Ratio Lower Upper
75 100
77 1.4 19.8 59.3#



#81
trans-1,4-Dichloro-2-butene
Concen: 60.083 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX030037.D
Acq: 13 Jul 2022 12:10

Tgt Ion: 75 Resp: 54969
Ion Ratio Lower Upper
75 100
53 0.0 74.2 111.4#
89 0.0 34.8 52.2#

