

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX072122\
 Data File : VX030173.D
 Acq On : 21 Jul 2022 19:37
 Operator : JC/MD
 Sample : N3814-11
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TB

Quant Time: Jul 22 05:00:13 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	5.562	168	169043	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	305897	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	257774	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	100024	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	112050	54.458	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 108.920%	
35) Dibromofluoromethane	5.391	113	91946	47.051	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 94.100%	
50) Toluene-d8	8.653	98	355032	48.306	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 96.620%	
62) 4-Bromofluorobenzene	11.085	95	111534	43.730	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 87.460%	

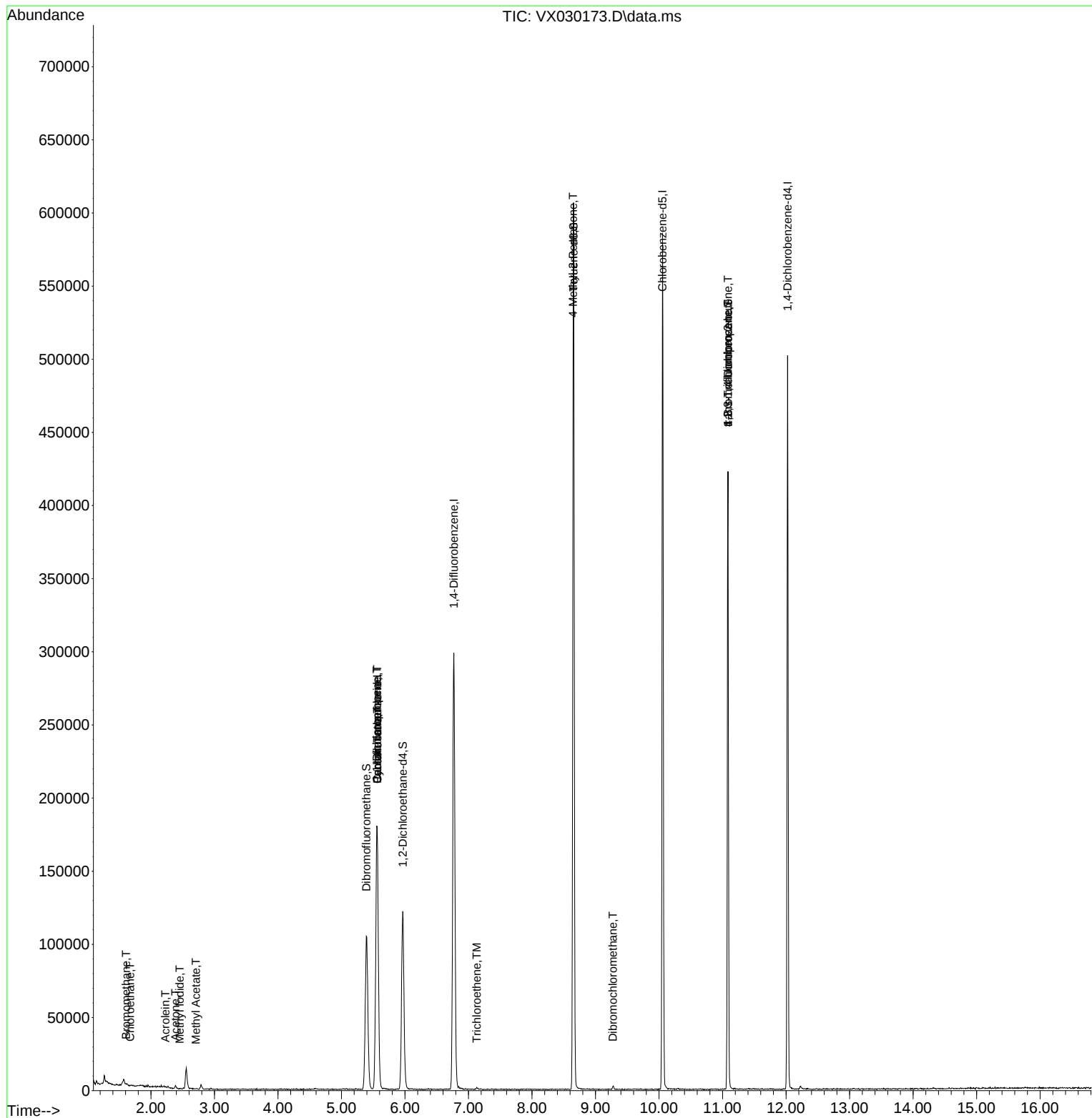
Target Compounds			Qvalue			
2) Dichlorodifluoromethane	1.386	85	20	Below Cal	#	42
5) Bromomethane	1.605	94	201	0.242	ug/l #	75
6) Chloroethane	1.672	64	294	0.267	ug/l #	41
10) Methyl Iodide	2.453	142	87	2.457	ug/l #	72
13) Acrolein	2.227	56	104	0.983	ug/l #	57
16) Acetone	2.386	43	2191	2.260	ug/l	100
17) Carbon Disulfide	2.508	76	483	Below Cal	#	74
18) Methyl Acetate	2.709	43	613	0.208	ug/l #	60
20) Methylene Chloride	2.794	84	1282	Below Cal	#	71
31) Cyclohexane	5.562	56	3925	1.316	ug/l #	1
36) 1,1-Dichloropropene	5.556	75	14037	5.561	ug/l #	48
38) Carbon Tetrachloride	5.562	117	17592	7.474	ug/l #	18
44) Trichloroethene	7.129	130	521	0.224	ug/l	24
51) 4-Methyl-2-Pentanone	8.647	43	1882	0.583	ug/l #	1
60) Dibromochloromethane	9.275	129	511	0.252	ug/l #	11
76) 1,2,3-Trichloropropane	11.085	75	55344	24.065	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.085	75	55344	69.451	ug/l #	13

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

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Quant Time: Jul 22 05:00:13 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X071222W.M
Quant Title : SW846 8260
QLast Update : Wed Jul 13 09:05:23 2022
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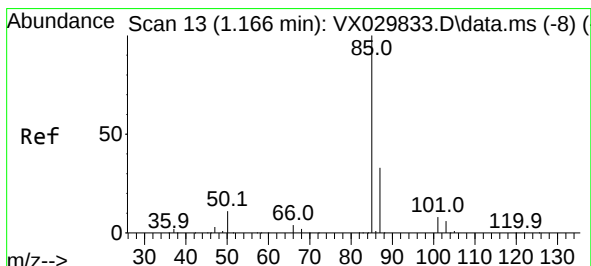
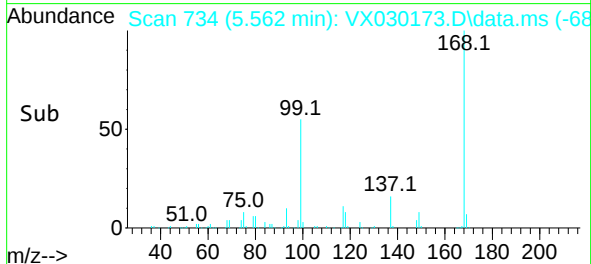
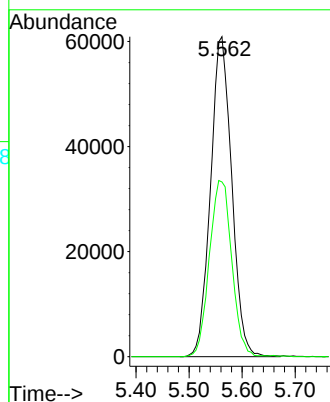
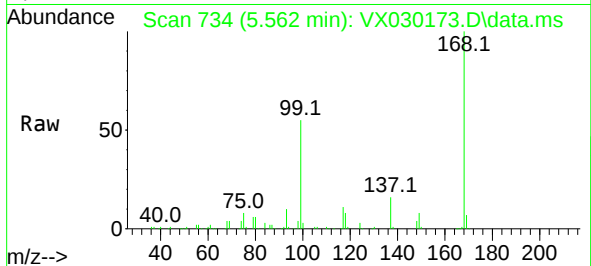




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX030173.D
Acq: 21 Jul 2022 19:37

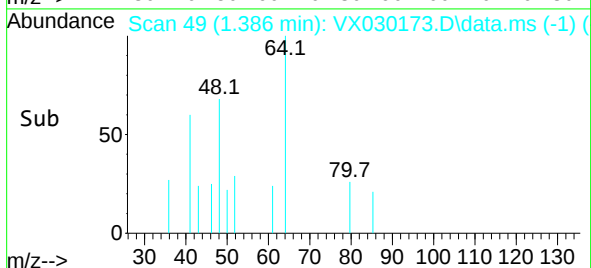
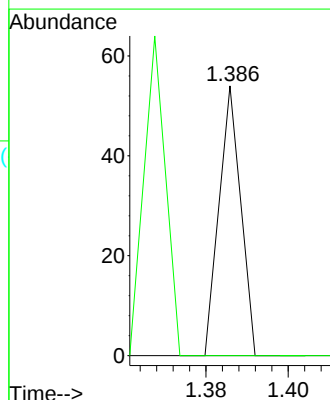
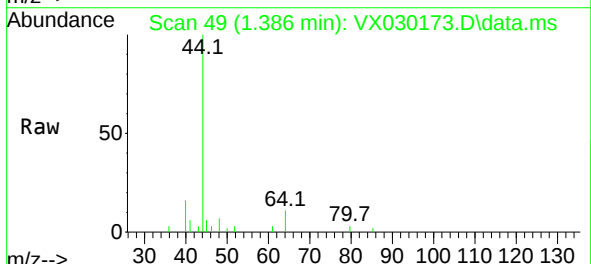
Instrument :
MSVOA_X
ClientSampleId :
TB

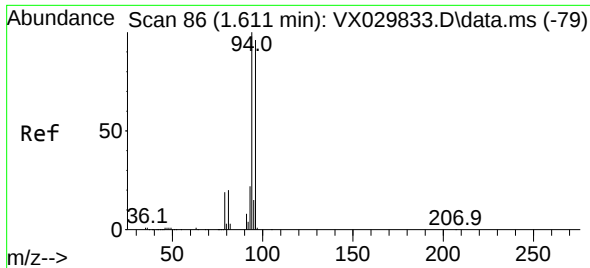
Tgt Ion:168 Resp: 169043
Ion Ratio Lower Upper
168 100
99 54.6 44.0 66.0



#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.386 min Scan# 49
Delta R.T. 0.220 min
Lab File: VX030173.D
Acq: 21 Jul 2022 19:37

Tgt Ion: 85 Resp: 20
Ion Ratio Lower Upper
85 100
87 0.0 16.5 49.5#

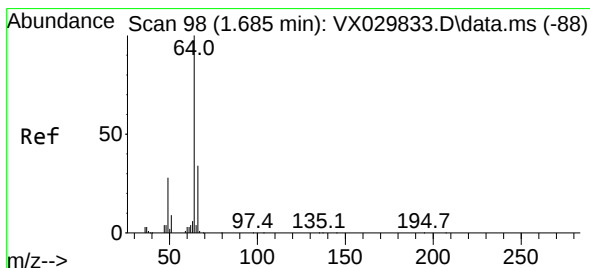
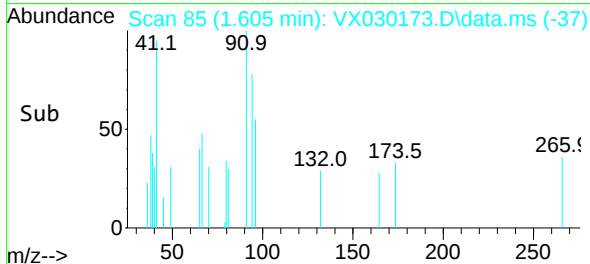
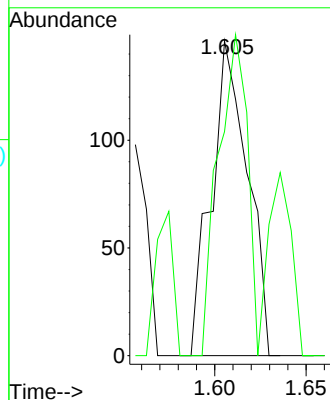
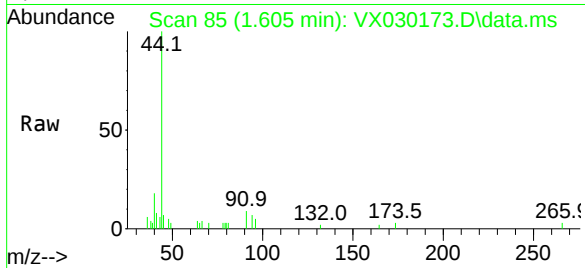




#5
Bromomethane
Concen: 0.242 ug/l
RT: 1.605 min Scan# 81
Delta R.T. -0.006 min
Lab File: VX030173.D
Acq: 21 Jul 2022 19:37

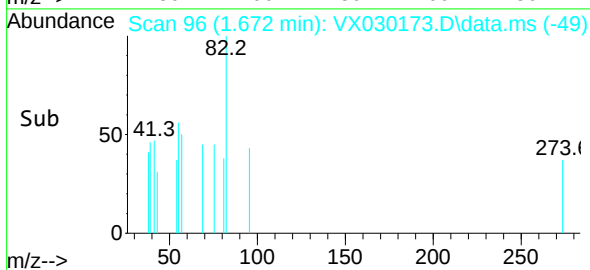
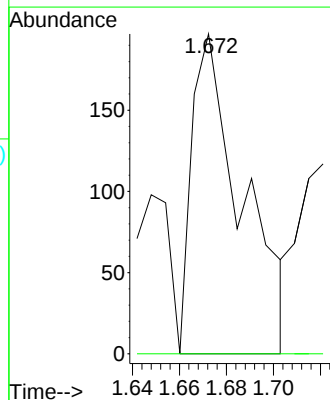
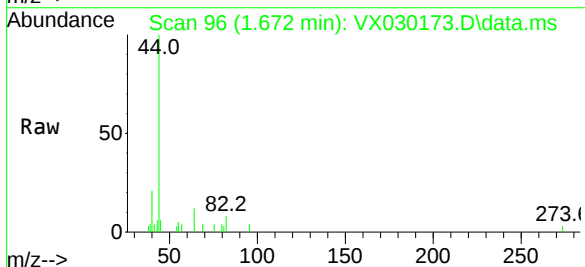
Instrument :
MSVOA_X
ClientSampleId :
TB

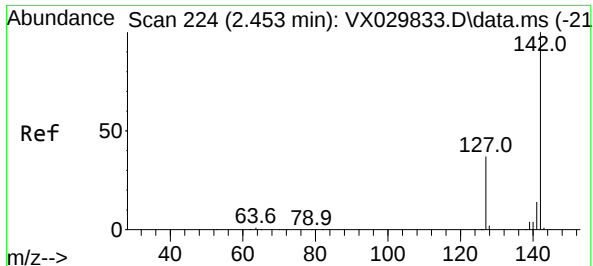
Tgt Ion: 94 Resp: 201
Ion Ratio Lower Upper
94 100
96 71.2 76.9 115.3#



#6
Chloroethane
Concen: 0.267 ug/l
RT: 1.672 min Scan# 96
Delta R.T. -0.013 min
Lab File: VX030173.D
Acq: 21 Jul 2022 19:37

Tgt Ion: 64 Resp: 294
Ion Ratio Lower Upper
64 100
66 0.0 27.2 40.8#





#10

Methyl Iodide

Concen: 2.457 ug/l

RT: 2.453 min Scan# 21

Delta R.T. -0.000 min

Lab File: VX030173.D

Acq: 21 Jul 2022 19:37

Instrument :

MSVOA_X

ClientSampleId :

TB

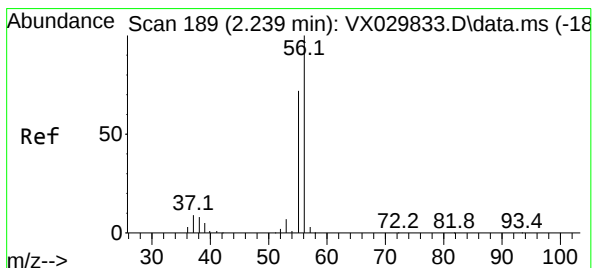
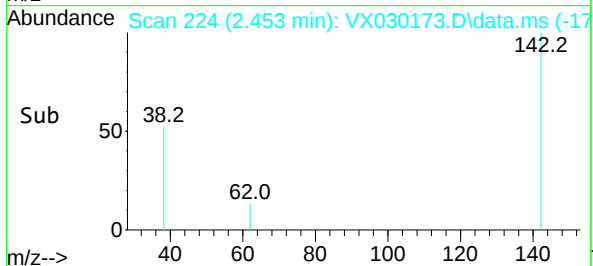
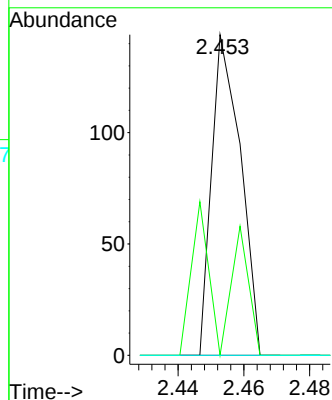
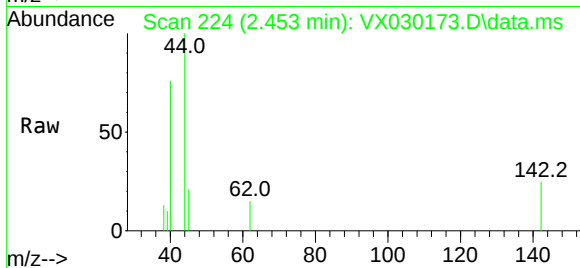
Tgt Ion:142 Resp: 87

Ion Ratio Lower Upper

142 100

127 52.9 30.2 45.2#

141 0.0 11.3 16.9#



#13

Acrolein

Concen: 0.983 ug/l

RT: 2.227 min Scan# 187

Delta R.T. -0.012 min

Lab File: VX030173.D

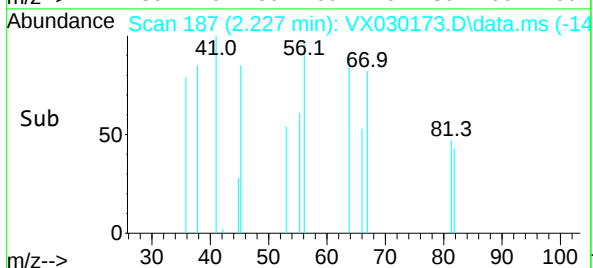
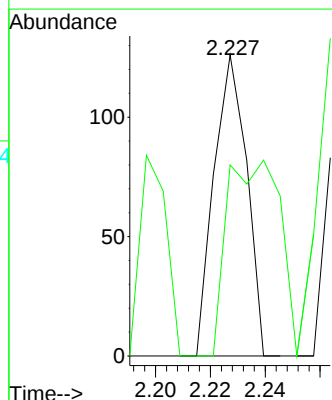
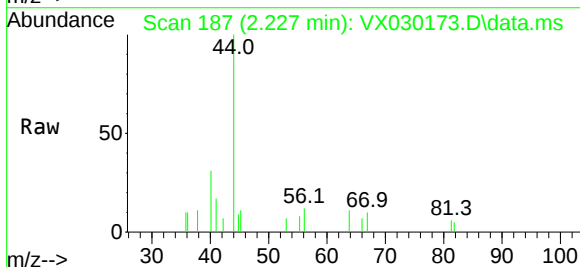
Acq: 21 Jul 2022 19:37

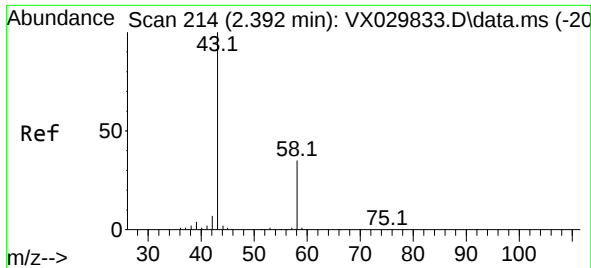
Tgt Ion: 56 Resp: 104

Ion Ratio Lower Upper

56 100

55 105.8 56.6 84.8#

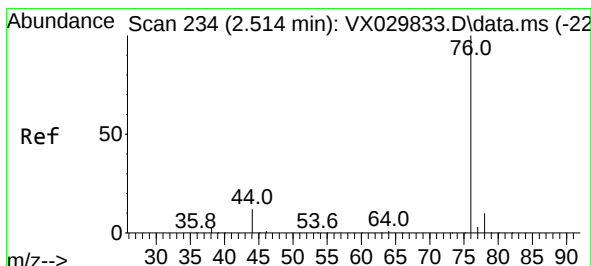
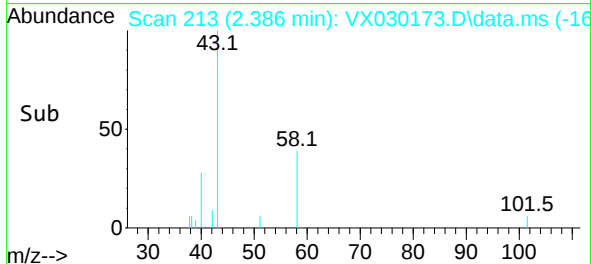
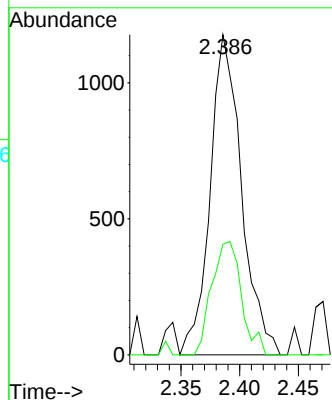
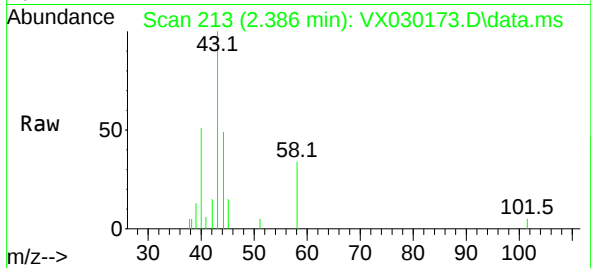




#16
Acetone
Concen: 2.260 ug/l
RT: 2.386 min Scan# 214
Delta R.T. -0.006 min
Lab File: VX030173.D
Acq: 21 Jul 2022 19:37

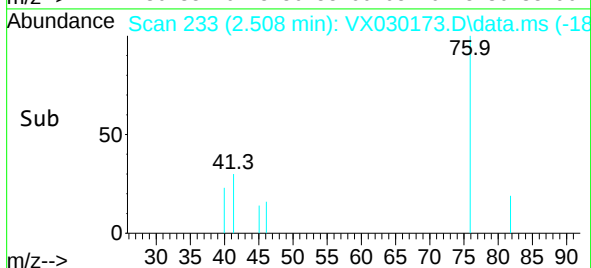
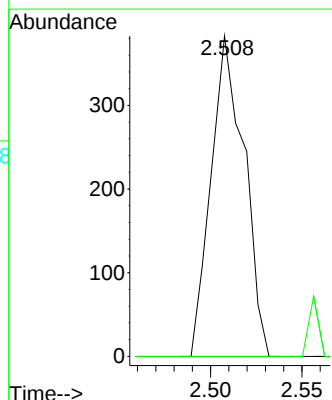
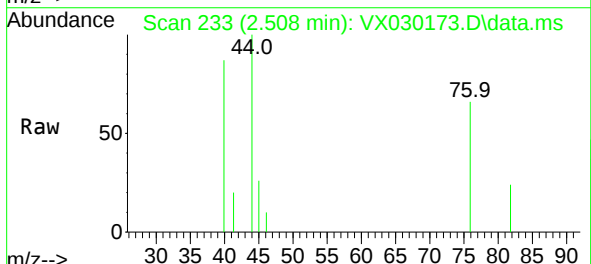
Instrument :
MSVOA_X
ClientSampleId :
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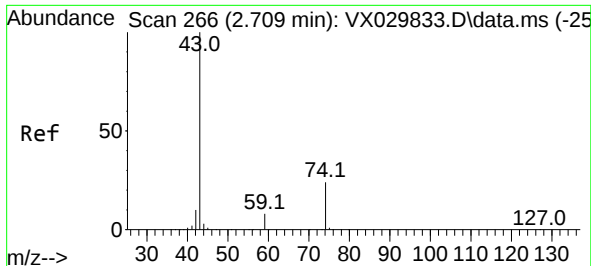
Tgt Ion: 43 Resp: 2191
Ion Ratio Lower Upper
43 100
58 34.5 27.7 41.5



#17
Carbon Disulfide
Concen: Below Cal
RT: 2.508 min Scan# 233
Delta R.T. -0.006 min
Lab File: VX030173.D
Acq: 21 Jul 2022 19:37

Tgt Ion: 76 Resp: 483
Ion Ratio Lower Upper
76 100
78 0.0 7.8 11.6#

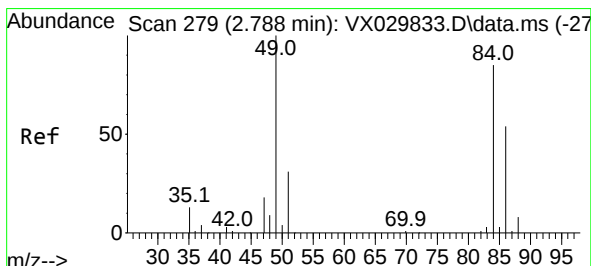
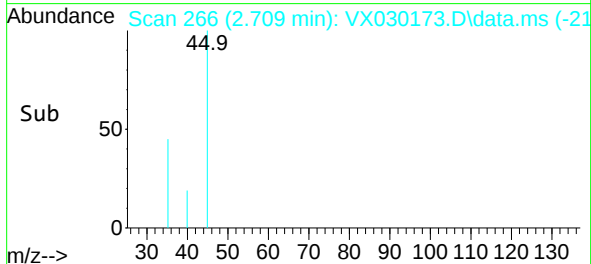
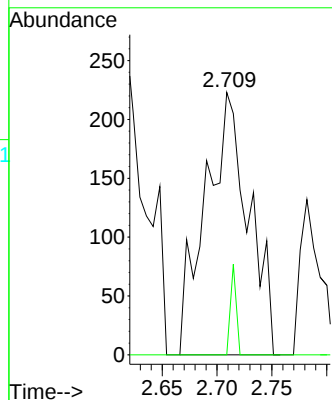
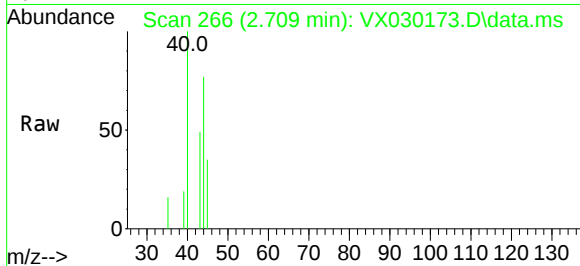




#18
Methyl Acetate
Concen: 0.208 ug/l
RT: 2.709 min Scan# 20
Delta R.T. -0.000 min
Lab File: VX030173.D
Acq: 21 Jul 2022 19:37

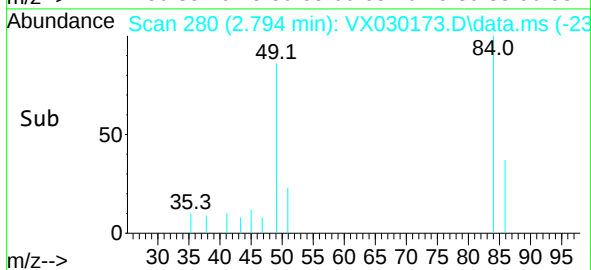
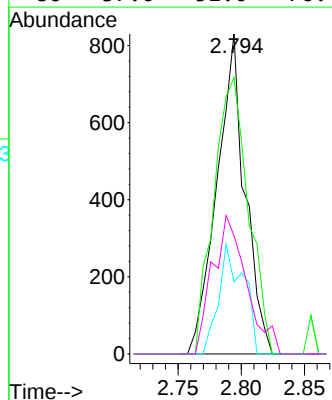
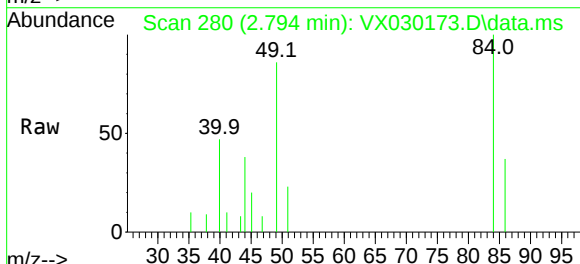
Instrument :
MSVOA_X
ClientSampleId :
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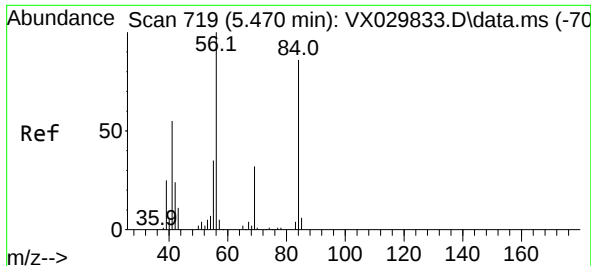
Tgt Ion: 43 Resp: 613
Ion Ratio Lower Upper
43 100
74 4.6 19.4 29.2#



#20
Methylene Chloride
Concen: Below Cal
RT: 2.794 min Scan# 280
Delta R.T. 0.006 min
Lab File: VX030173.D
Acq: 21 Jul 2022 19:37

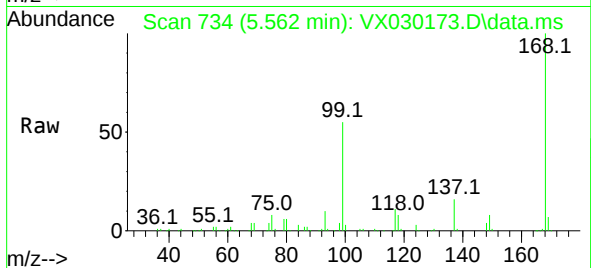
Tgt Ion: 84 Resp: 1282
Ion Ratio Lower Upper
84 100
49 86.4 93.8 140.6#
51 22.5 29.4 44.0#
86 37.0 51.0 76.4#



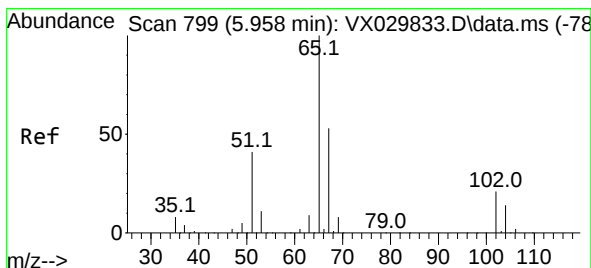
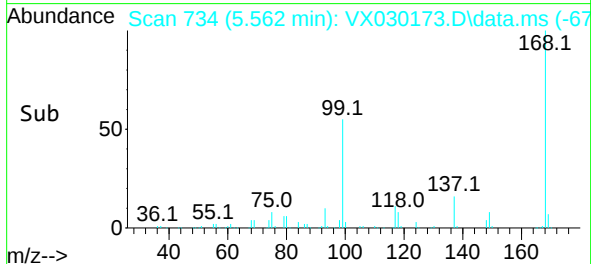
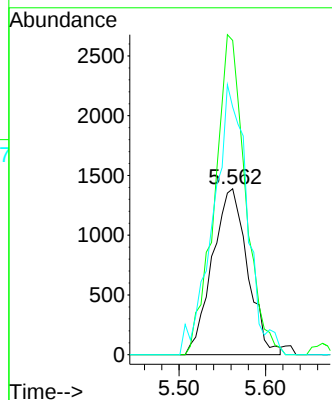


#31
Cyclohexane
Concen: 1.316 ug/l
RT: 5.562 min Scan# 719
Delta R.T. 0.092 min
Lab File: VX030173.D
Acq: 21 Jul 2022 19:37

Instrument :
MSVOA_X
ClientSampleId :
TB

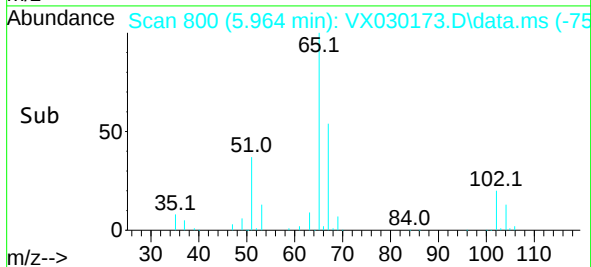
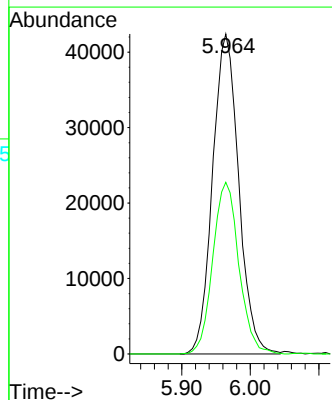
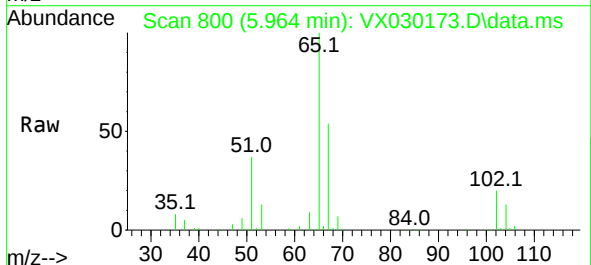


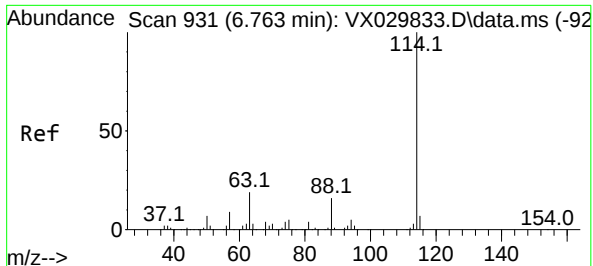
Tgt Ion: 56 Resp: 3925
Ion Ratio Lower Upper
56 100
69 189.3 25.4 38.0#
84 149.2 68.9 103.3#



#33
1,2-Dichloroethane-d4
Concen: 54.458 ug/l
RT: 5.964 min Scan# 800
Delta R.T. 0.006 min
Lab File: VX030173.D
Acq: 21 Jul 2022 19:37

Tgt Ion: 65 Resp: 112050
Ion Ratio Lower Upper
65 100
67 53.6 0.0 109.6

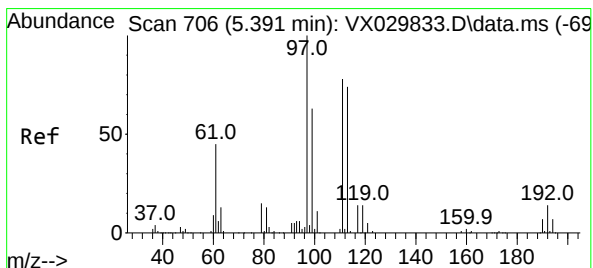
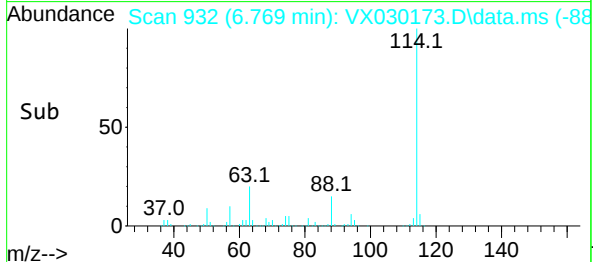
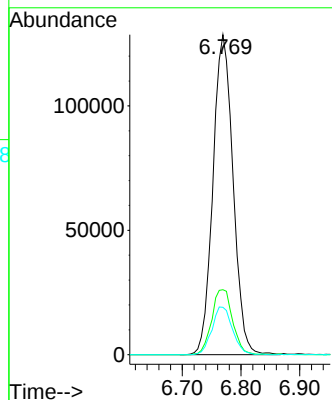
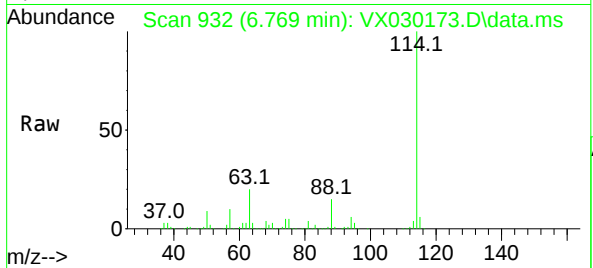




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 91
Delta R.T. 0.006 min
Lab File: VX030173.D
Acq: 21 Jul 2022 19:37

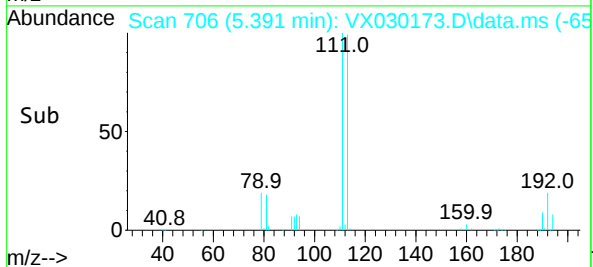
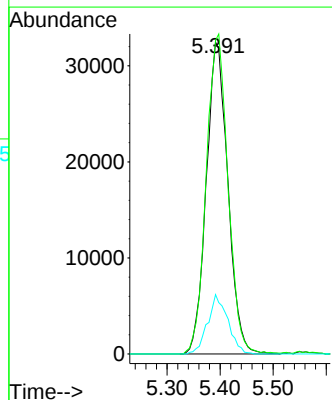
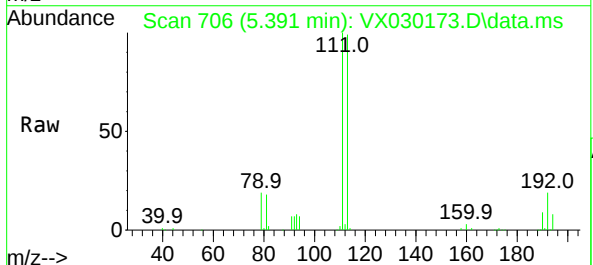
Instrument :
MSVOA_X
ClientSampleId :
TB

Tgt Ion:114 Resp: 305897
Ion Ratio Lower Upper
114 100
63 20.3 0.0 38.4
88 14.8 0.0 31.8



#35
Dibromofluoromethane
Concen: 47.051 ug/l
RT: 5.391 min Scan# 706
Delta R.T. 0.000 min
Lab File: VX030173.D
Acq: 21 Jul 2022 19:37

Tgt Ion:113 Resp: 91946
Ion Ratio Lower Upper
113 100
111 103.3 83.2 124.8
192 17.8 14.8 22.2

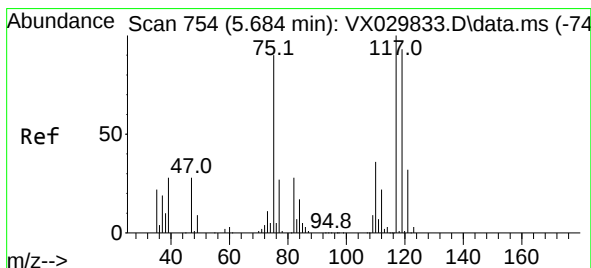
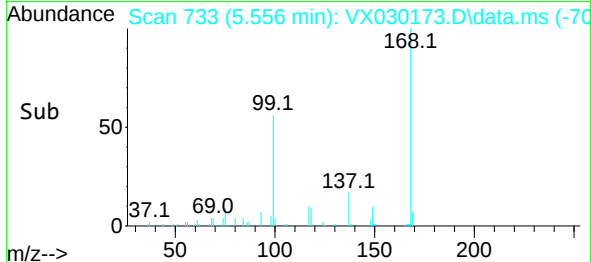
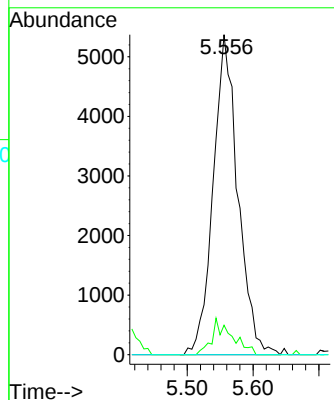
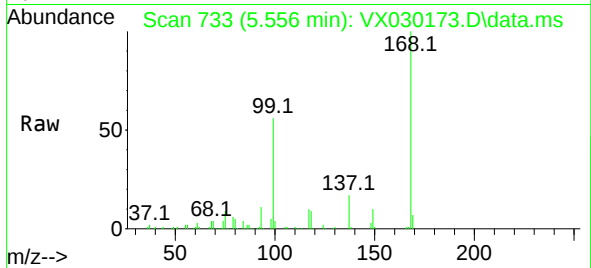




#36
1,1-Dichloropropene
Concen: 5.561 ug/l
RT: 5.556 min Scan# 713
Delta R.T. -0.140 min
Lab File: VX030173.D
Acq: 21 Jul 2022 19:37

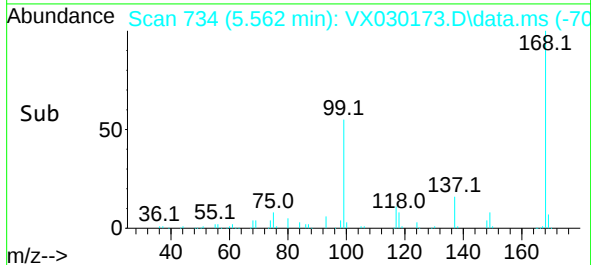
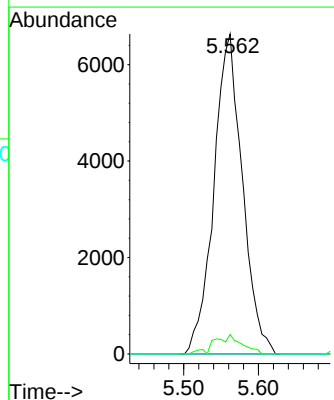
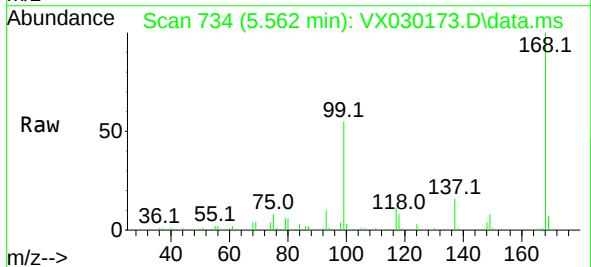
Instrument :
MSVOA_X
ClientSampleId :
TB

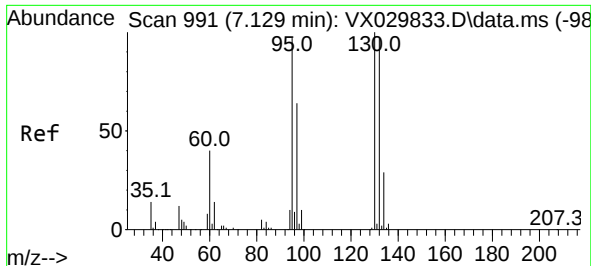
Tgt Ion: 75 Resp: 14037
Ion Ratio Lower Upper
75 100
110 9.2 19.3 57.9#
77 0.0 24.4 36.6#



#38
Carbon Tetrachloride
Concen: 7.474 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.122 min
Lab File: VX030173.D
Acq: 21 Jul 2022 19:37

Tgt Ion: 117 Resp: 17592
Ion Ratio Lower Upper
117 100
119 6.1 74.1 111.1#
121 0.0 25.8 38.8#

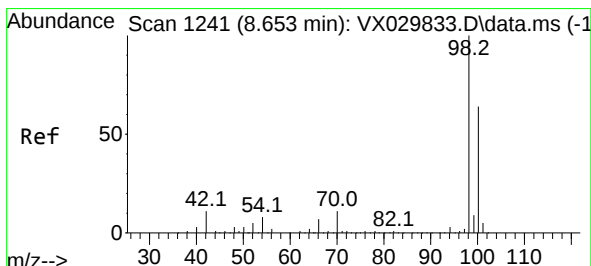
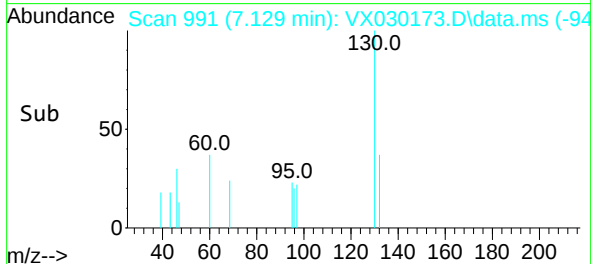
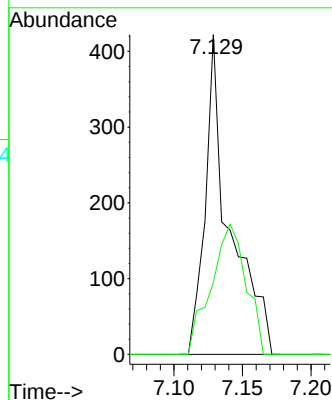
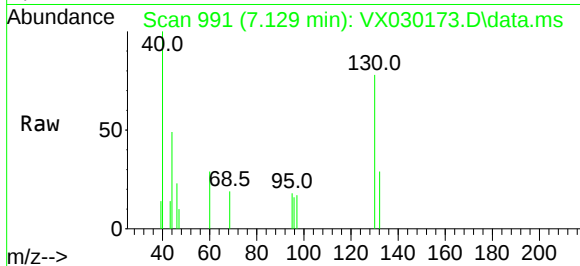




#44
Trichloroethene
Concen: 0.224 ug/l
RT: 7.129 min Scan# 991
Delta R.T. -0.000 min
Lab File: VX030173.D
Acq: 21 Jul 2022 19:37

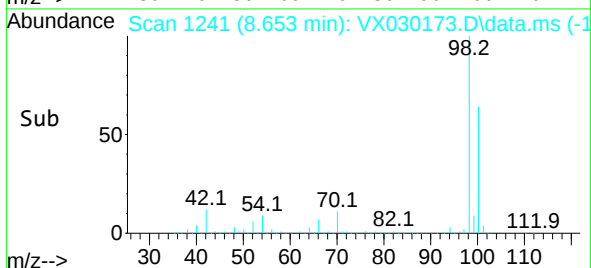
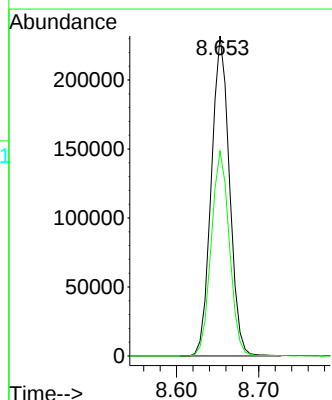
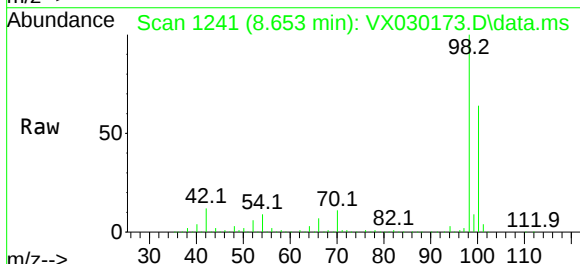
Instrument :
MSVOA_X
ClientSampleId :
TB

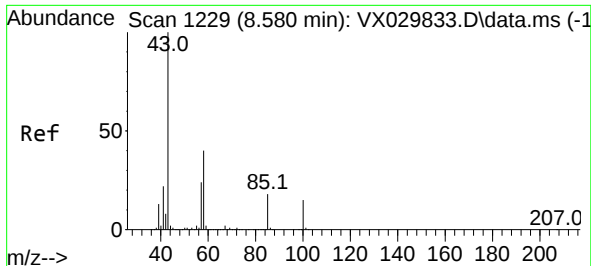
Tgt Ion:130 Resp: 521
Ion Ratio Lower Upper
130 100
95 22.5 0.0 194.8



#50
Toluene-d8
Concen: 48.306 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX030173.D
Acq: 21 Jul 2022 19:37

Tgt Ion: 98 Resp: 355032
Ion Ratio Lower Upper
98 100
100 64.1 52.3 78.5





#51

4-Methyl-2-Pentanone

Concen: 0.583 ug/l

RT: 8.647 min Scan# 11

Delta R.T. 0.067 min

Lab File: VX030173.D

Acq: 21 Jul 2022 19:37

Instrument :

MSVOA_X

ClientSampleId :

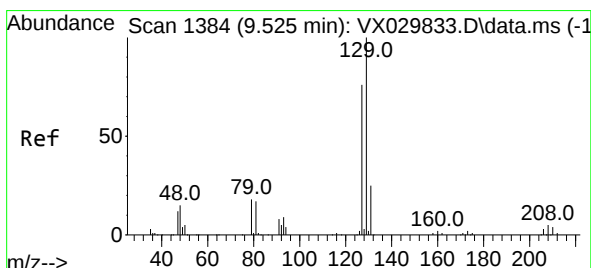
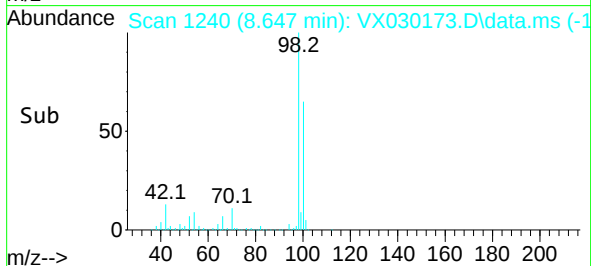
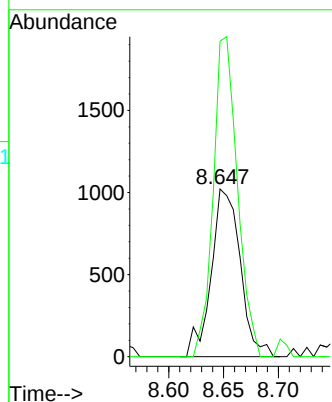
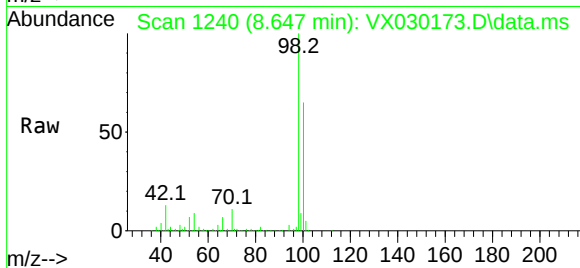
TB

Tgt Ion: 43 Resp: 1882

Ion Ratio Lower Upper

43 100

58 159.1 31.4 47.2#



#60

Dibromochloromethane

Concen: 0.252 ug/l

RT: 9.275 min Scan# 1343

Delta R.T. -0.250 min

Lab File: VX030173.D

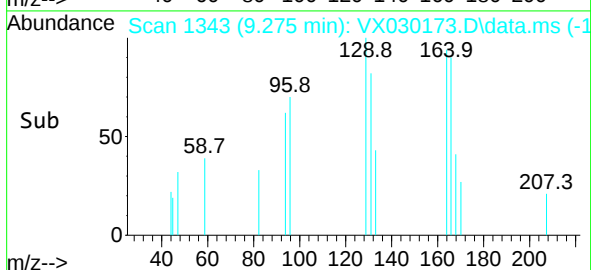
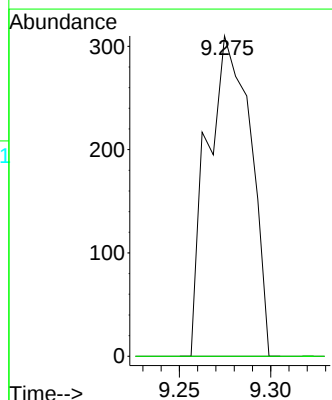
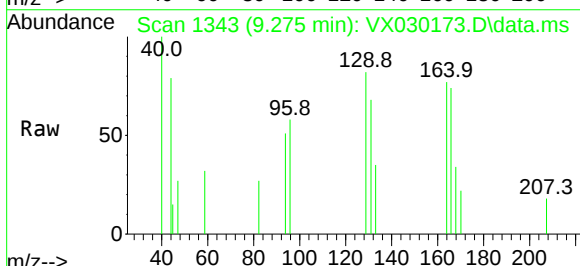
Acq: 21 Jul 2022 19:37

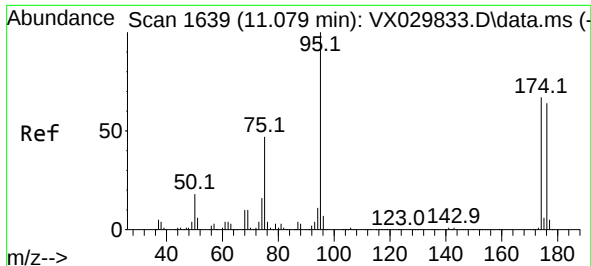
Tgt Ion: 129 Resp: 511

Ion Ratio Lower Upper

129 100

127 0.0 38.5 115.5#





#62

4-Bromofluorobenzene

Concen: 43.730 ug/l

RT: 11.085 min Scan# 1

Delta R.T. 0.006 min

Lab File: VX030173.D

Acq: 21 Jul 2022 19:37

Instrument :

MSVOA_X

ClientSampleId :

TB

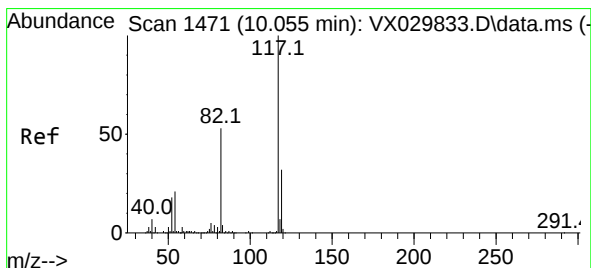
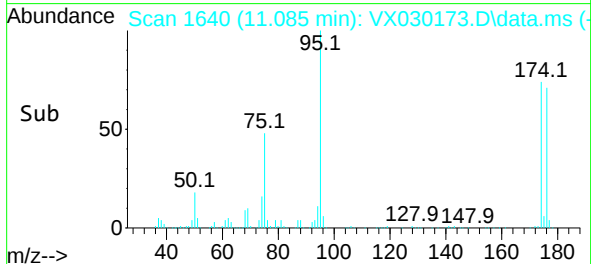
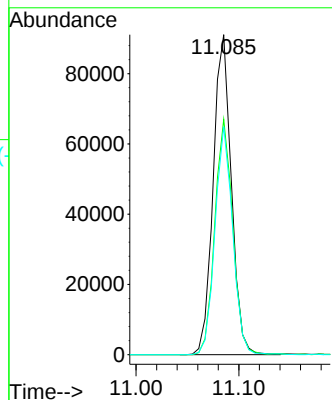
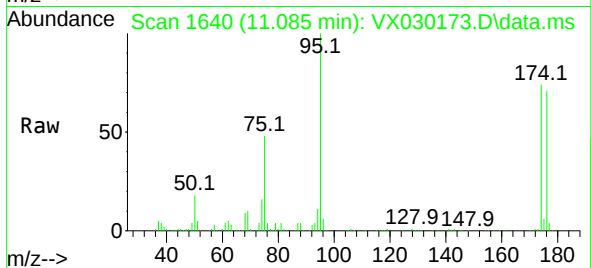
Tgt Ion: 95 Resp: 111534

Ion Ratio Lower Upper

95 100

174 72.9 0.0 149.0

176 69.4 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: VX030173.D

Acq: 21 Jul 2022 19:37

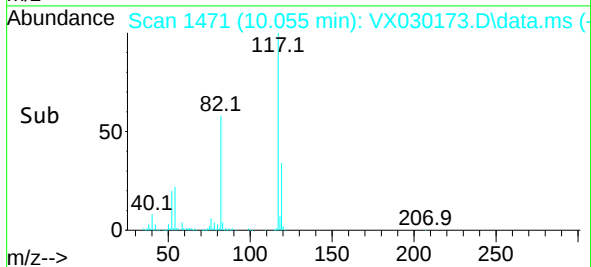
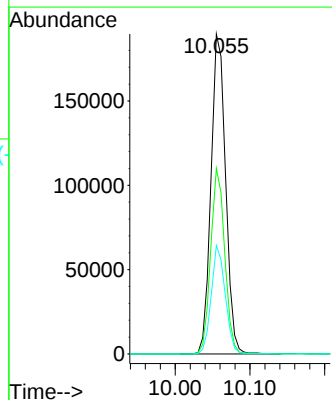
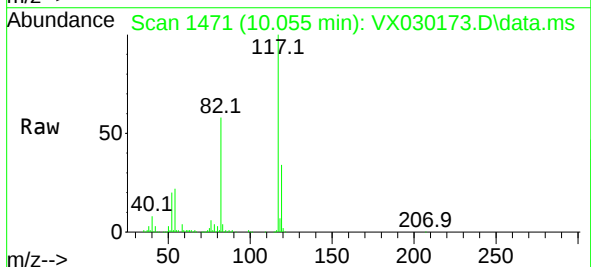
Tgt Ion: 117 Resp: 257774

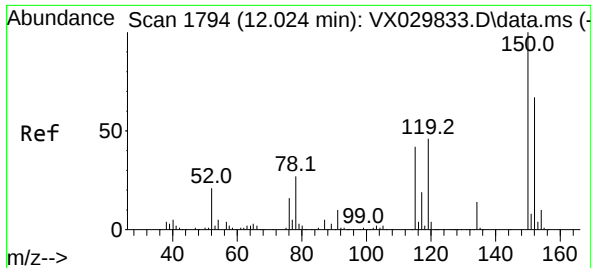
Ion Ratio Lower Upper

117 100

82 58.0 42.7 64.1

119 33.9 25.4 38.2

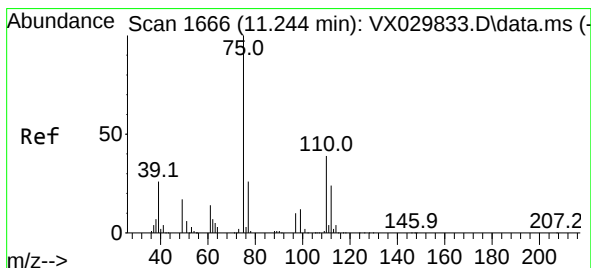
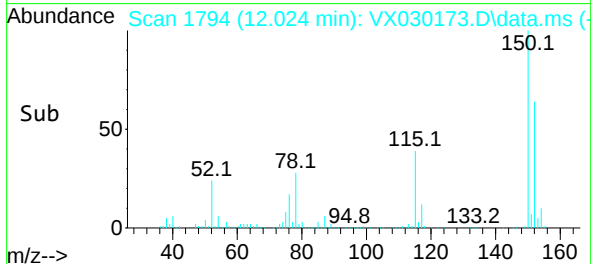
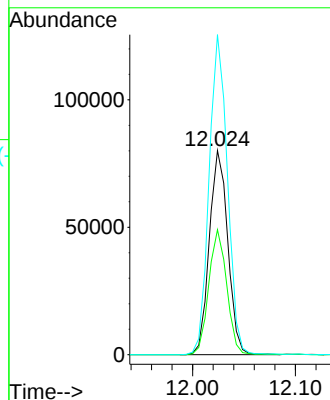
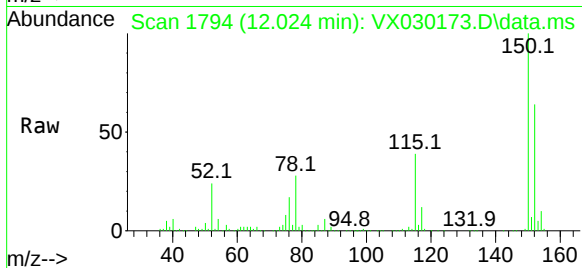




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX030173.D
Acq: 21 Jul 2022 19:37

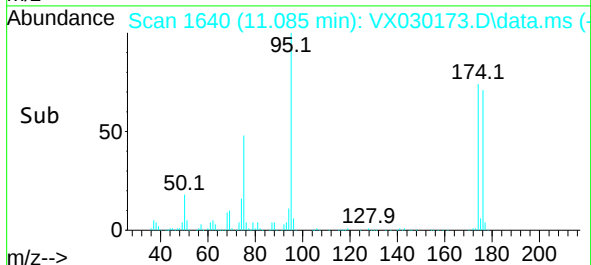
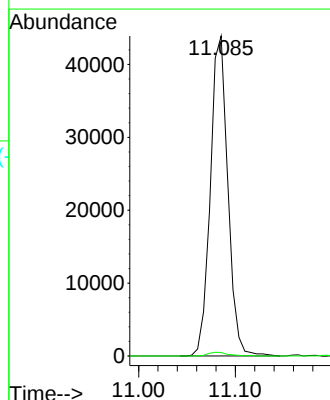
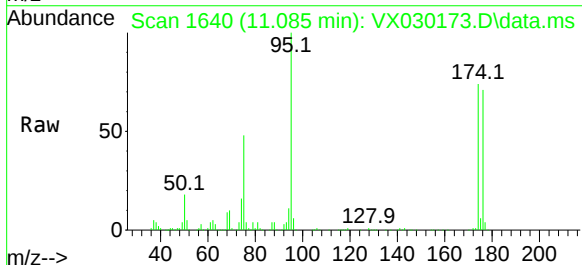
Instrument :
MSVOA_X
ClientSampleId :
TB

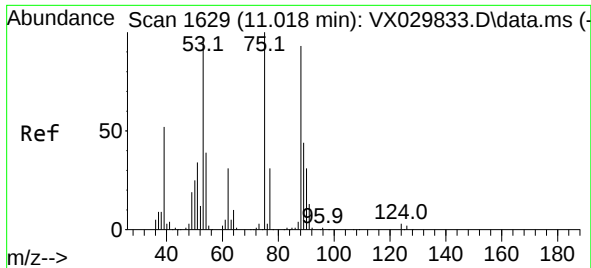
Tgt Ion:152 Resp: 100024
Ion Ratio Lower Upper
152 100
115 59.6 40.5 121.5
150 155.3 0.0 347.0



#76
1,2,3-Trichloropropane
Concen: 24.065 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. -0.159 min
Lab File: VX030173.D
Acq: 21 Jul 2022 19:37

Tgt Ion: 75 Resp: 55344
Ion Ratio Lower Upper
75 100
77 1.3 19.8 59.3#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 69.451 ug/l
 RT: 11.085 min Scan# 1
 Delta R.T. 0.067 min
 Lab File: VX030173.D
 Acq: 21 Jul 2022 19:37

Instrument :
 MSVOA_X
 ClientSampleId :
 TB

Tgt Ion: 75 Resp: 55344
 Ion Ratio Lower Upper
 75 100
 53 0.0 74.2 111.4#
 89 0.1 34.8 52.2#

