

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX062922\
 Data File : VX029858.D
 Acq On : 29 Jun 2022 13:46
 Operator : JC/MD
 Sample : N3462-09
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TB-1-20220622

Quant Time: Jun 29 15:04:13 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X062822W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 29 05:54:51 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.556	168	233265	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	403923	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	359055	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	161981	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	129495	43.856	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	87.720%
35) Dibromofluoromethane	5.391	113	114640	45.414	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	90.820%
50) Toluene-d8	8.653	98	464593	49.060	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	98.120%
62) 4-Bromofluorobenzene	11.079	95	160371	47.908	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	95.820%

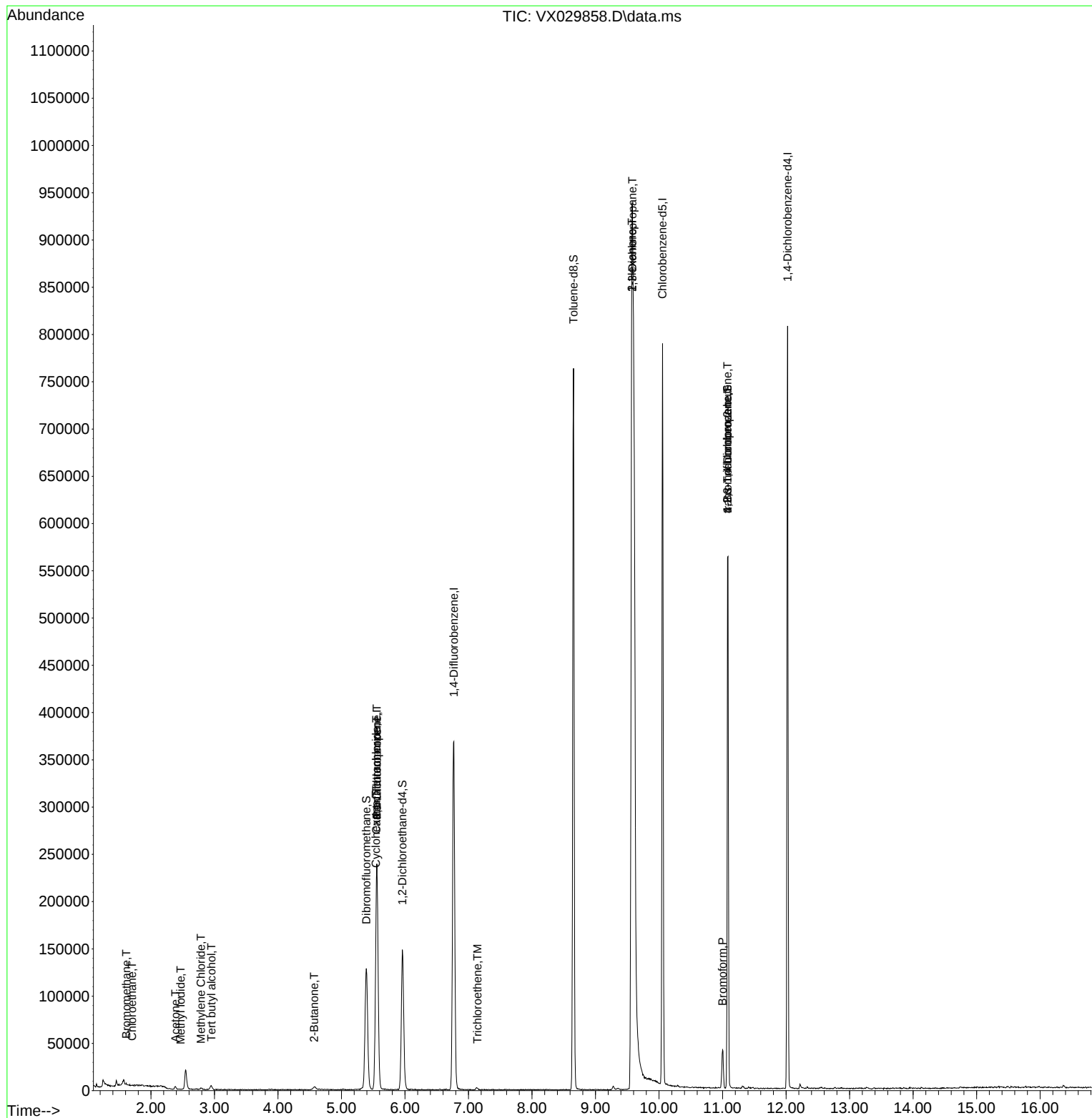
Target Compounds						Qvalue
5) Bromomethane	1.612	94	508	0.354	ug/l #	71
6) Chloroethane	1.703	64	368	1.224	ug/l #	58
10) Methyl Iodide	2.465	142	235	1.944	ug/l #	45
11) Tert butyl alcohol	2.953	59	2342	3.033	ug/l #	74
13) Acrolein	2.246	56	55	Below Cal	#	1
16) Acetone	2.386	43	2945	2.039	ug/l #	87
20) Methylene Chloride	2.788	84	745	0.244	ug/l #	76
25) 2-Butanone	4.568	43	920	0.367	ug/l #	48
31) Cyclohexane	5.544	56	4903	1.191	ug/l #	1
36) 1,1-Dichloropropene	5.556	75	17859	5.319	ug/l #	48
38) Carbon Tetrachloride	5.550	117	22201	7.631	ug/l #	17
44) Trichloroethene	7.141	130	834	0.285	ug/l	90
57) 1,3-Dichloropropane	9.580	76	5527	1.204	ug/l #	44
59) 2-Hexanone	9.573	43	484562	136.944	ug/l #	37
71) Bromoform	11.000	173	1885	1.097	ug/l #	46
76) 1,2,3-Trichloropropane	11.079	75	75661	19.512	ug/l #	37
81) trans-1,4-Dichloro-2-b...	11.079	75	75661	61.967	ug/l #	13

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

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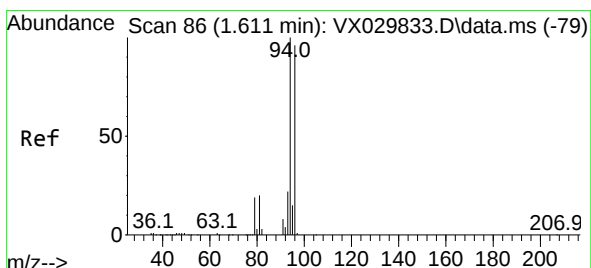
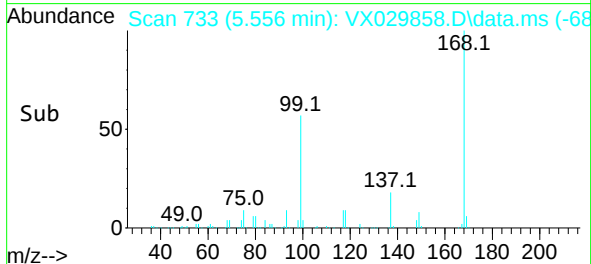
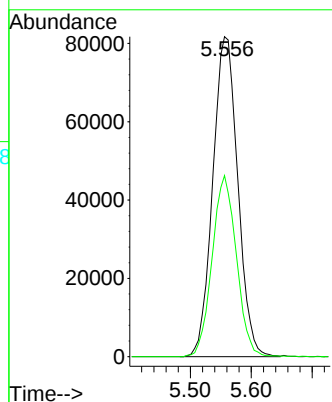
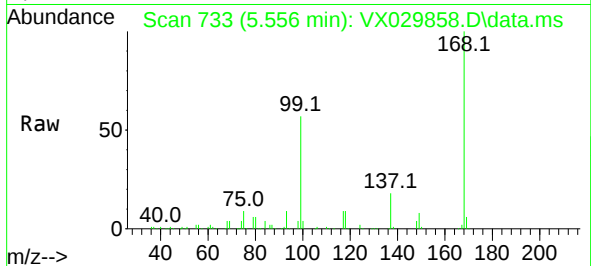




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX029858.D
Acq: 29 Jun 2022 13:46

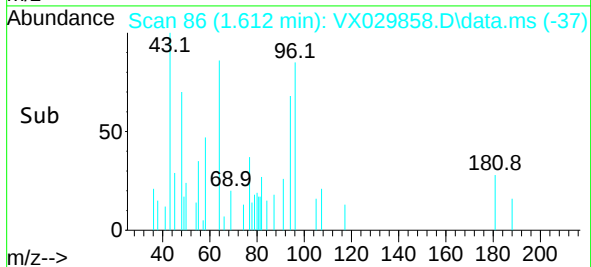
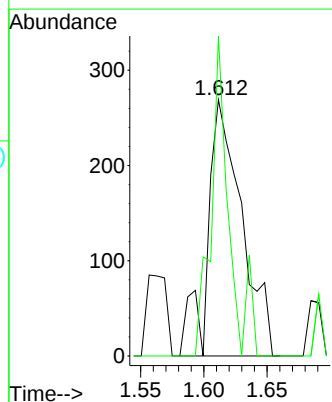
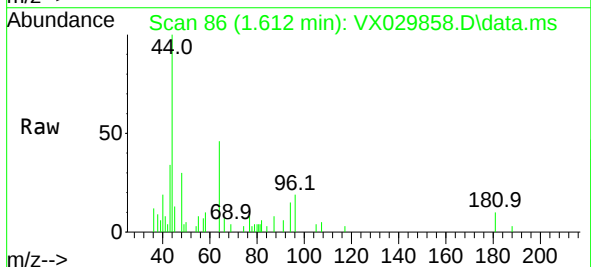
Instrument :
MSVOA_X
ClientSampleId :
TB-1-20220622

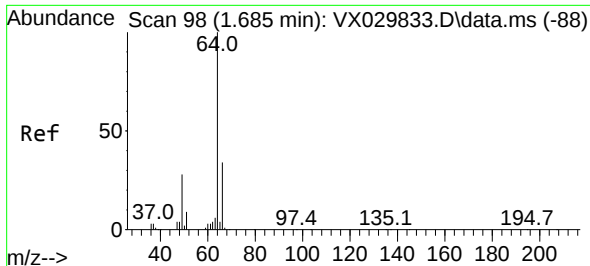
Tgt Ion:168 Resp: 233265
Ion Ratio Lower Upper
168 100
99 56.6 44.0 66.0



#5
Bromomethane
Concen: 0.354 ug/l
RT: 1.612 min Scan# 86
Delta R.T. 0.000 min
Lab File: VX029858.D
Acq: 29 Jun 2022 13:46

Tgt Ion: 94 Resp: 508
Ion Ratio Lower Upper
94 100
96 124.9 76.9 115.3#

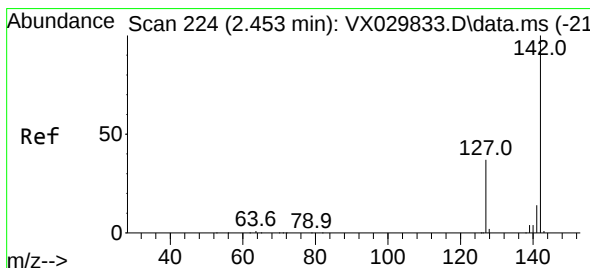
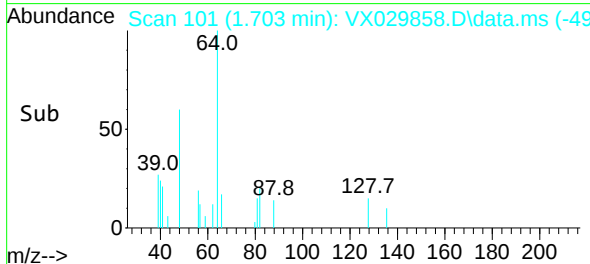
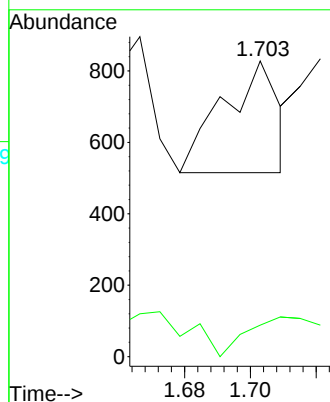
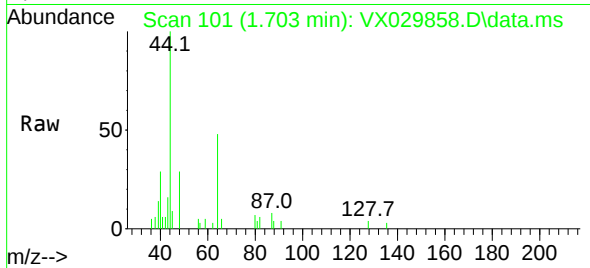




#6
Chloroethane
Concen: 1.224 ug/l
RT: 1.703 min Scan# 101
Delta R.T. 0.018 min
Lab File: VX029858.D
Acq: 29 Jun 2022 13:46

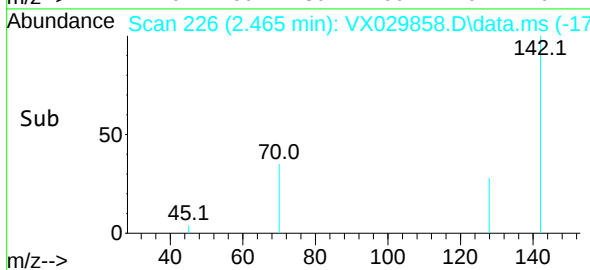
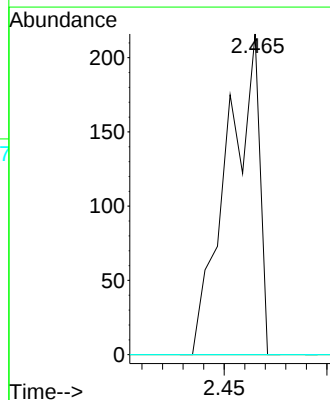
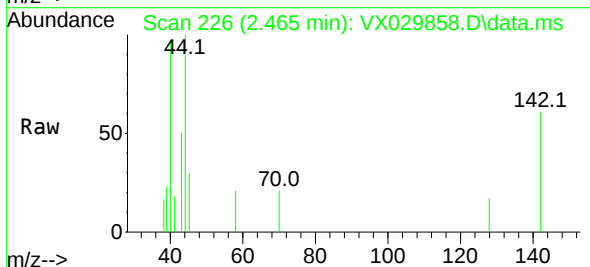
Instrument :
MSVOA_X
ClientSampleId :
TB-1-20220622

Tgt Ion: 64 Resp: 368
Ion Ratio Lower Upper
64 100
66 9.9 27.2 40.8#



#10
Methyl Iodide
Concen: 1.944 ug/l
RT: 2.465 min Scan# 226
Delta R.T. 0.012 min
Lab File: VX029858.D
Acq: 29 Jun 2022 13:46

Tgt Ion: 142 Resp: 235
Ion Ratio Lower Upper
142 100
127 0.0 30.2 45.2#
141 0.0 11.3 16.9#





#11

Tert butyl alcohol

Concen: 3.033 ug/l

RT: 2.953 min Scan# 306

Delta R.T. -0.043 min

Lab File: VX029858.D

Acq: 29 Jun 2022 13:46

Instrument :

MSVOA_X

ClientSampleId :

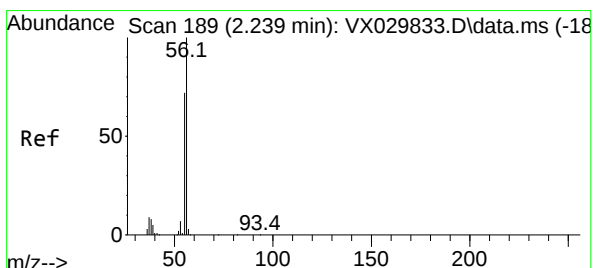
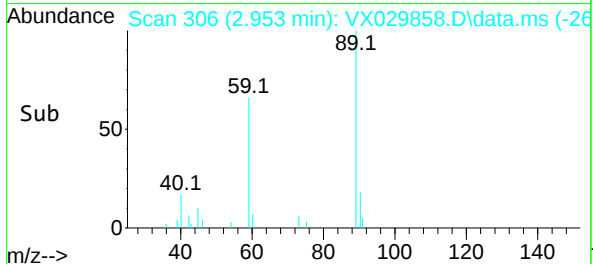
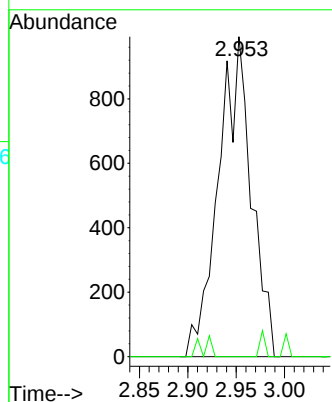
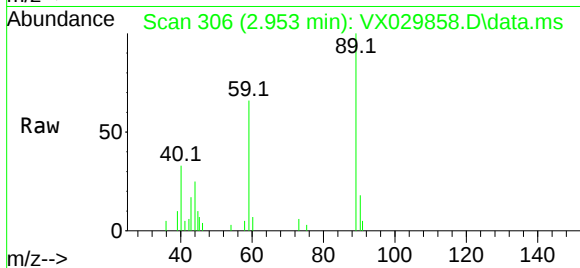
TB-1-20220622

Tgt Ion: 59 Resp: 2342

Ion Ratio Lower Upper

59 100

57 0.0 7.4 11.2#



#13

Acrolein

Concen: Below Cal

RT: 2.246 min Scan# 190

Delta R.T. 0.007 min

Lab File: VX029858.D

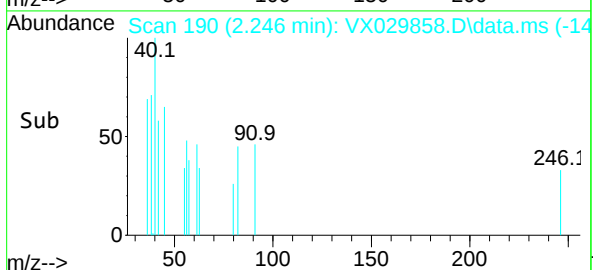
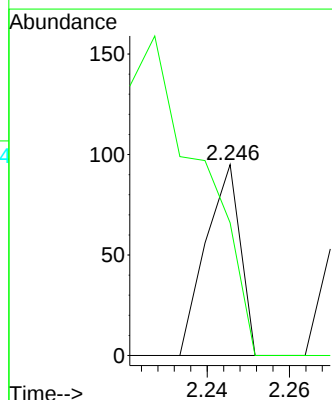
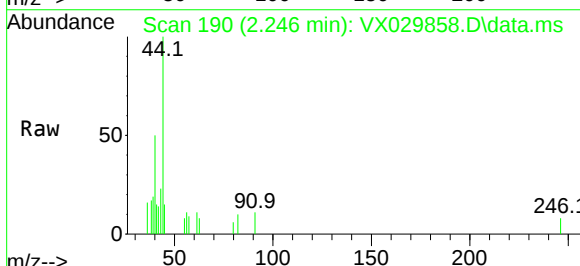
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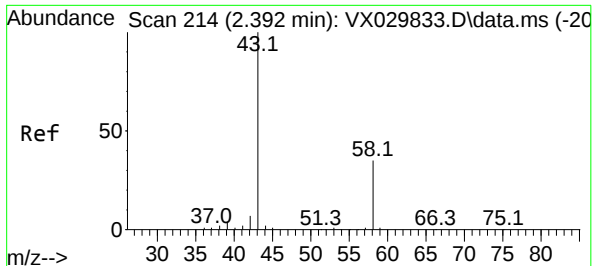
Tgt Ion: 56 Resp: 55

Ion Ratio Lower Upper

56 100

55 369.1 56.6 84.8#

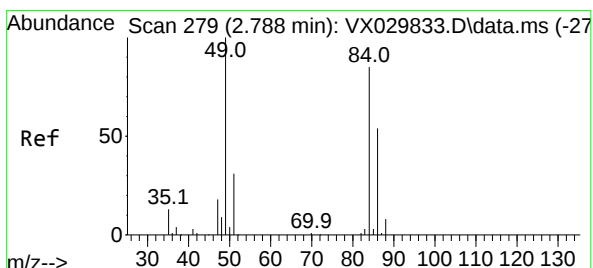
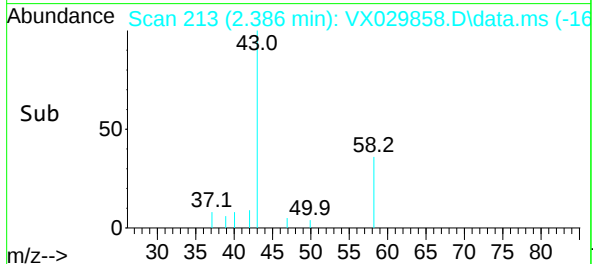
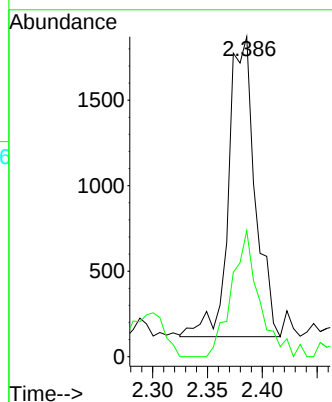
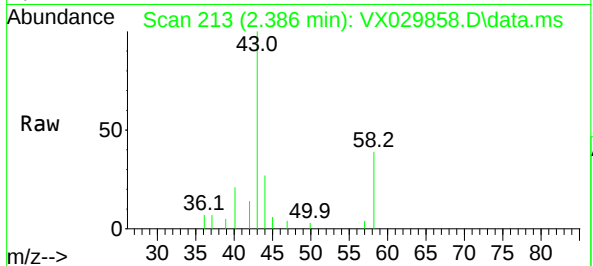




#16
Acetone
Concen: 2.039 ug/l
RT: 2.386 min Scan# 214
Delta R.T. -0.006 min
Lab File: VX029858.D
Acq: 29 Jun 2022 13:46

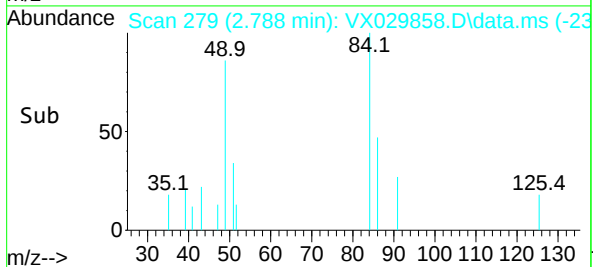
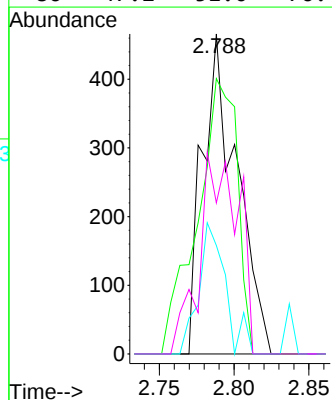
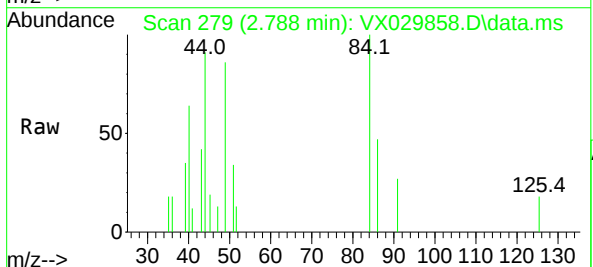
Instrument :
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ClientSampleId :
TB-1-20220622

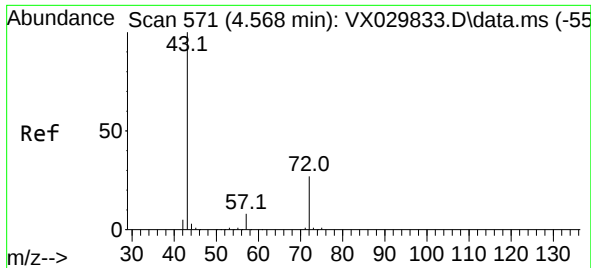
Tgt Ion: 43 Resp: 2945
Ion Ratio Lower Upper
43 100
58 42.0 27.7 41.5#



#20
Methylene Chloride
Concen: 0.244 ug/l
RT: 2.788 min Scan# 279
Delta R.T. 0.000 min
Lab File: VX029858.D
Acq: 29 Jun 2022 13:46

Tgt Ion: 84 Resp: 745
Ion Ratio Lower Upper
84 100
49 86.1 93.8 140.6#
51 46.8 29.4 44.0#
86 47.2 51.0 76.4#

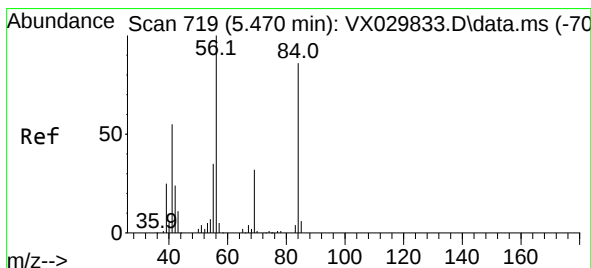
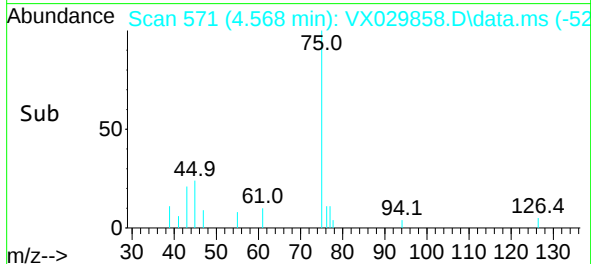
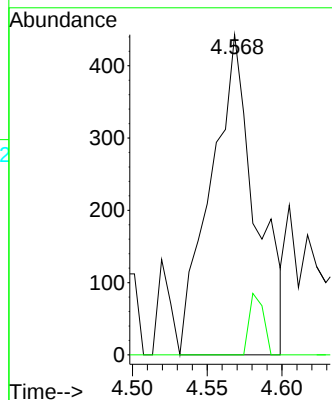
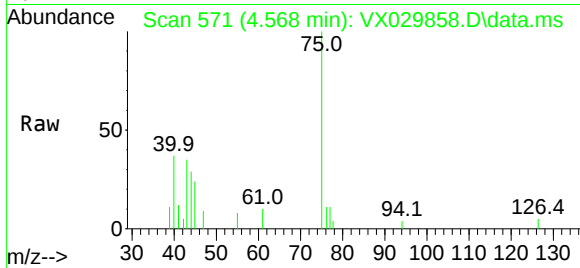




#25
2-Butanone
Concen: 0.367 ug/l
RT: 4.568 min Scan# 51
Delta R.T. 0.000 min
Lab File: VX029858.D
Acq: 29 Jun 2022 13:46

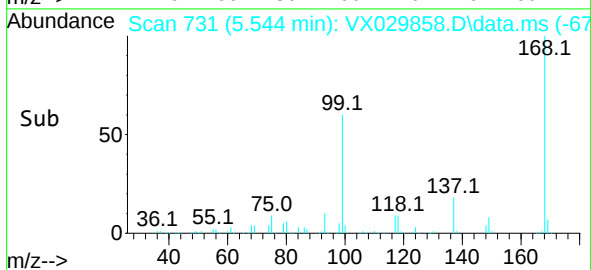
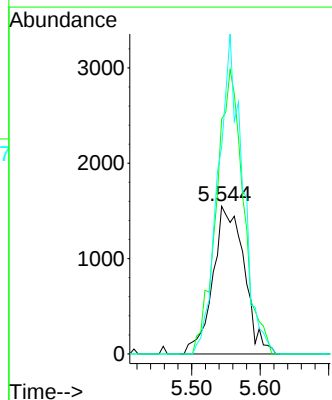
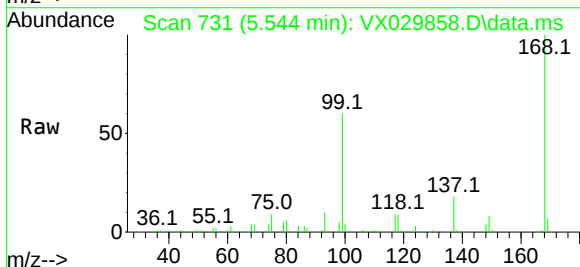
Instrument :
MSVOA_X
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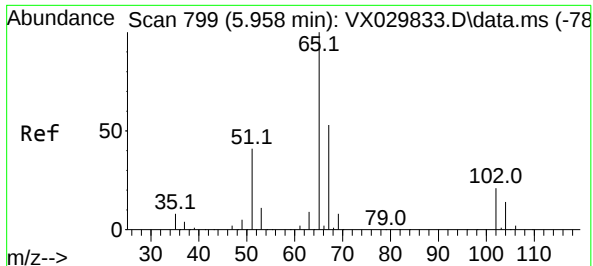
Tgt Ion: 43 Resp: 920
Ion Ratio Lower Upper
43 100
72 0.0 21.7 32.5#



#31
Cyclohexane
Concen: 1.191 ug/l
RT: 5.544 min Scan# 731
Delta R.T. 0.073 min
Lab File: VX029858.D
Acq: 29 Jun 2022 13:46

Tgt Ion: 56 Resp: 4903
Ion Ratio Lower Upper
56 100
69 159.1 25.4 38.0#
84 140.0 68.9 103.3#





#33

1,2-Dichloroethane-d4

Concen: 43.856 ug/l

RT: 5.958 min Scan# 799

Delta R.T. 0.000 min

Lab File: VX029858.D

Acq: 29 Jun 2022 13:46

Instrument :

MSVOA_X

ClientSampleId :

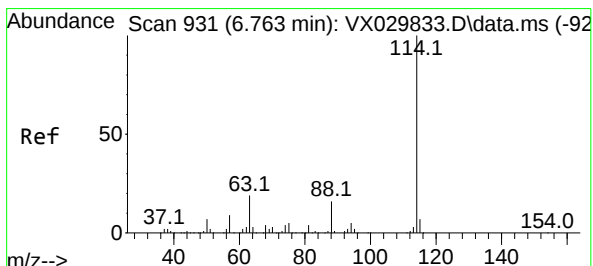
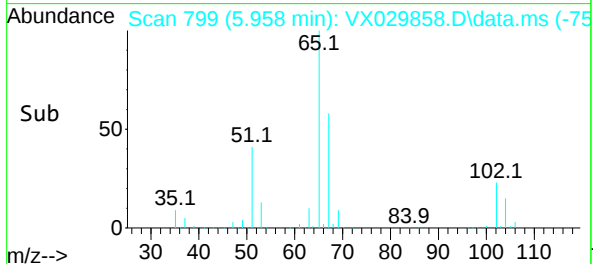
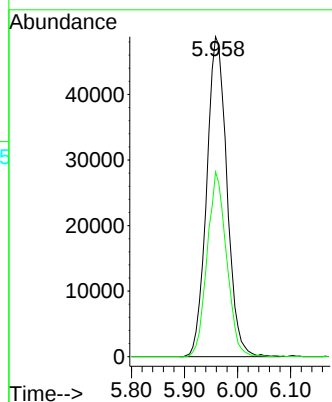
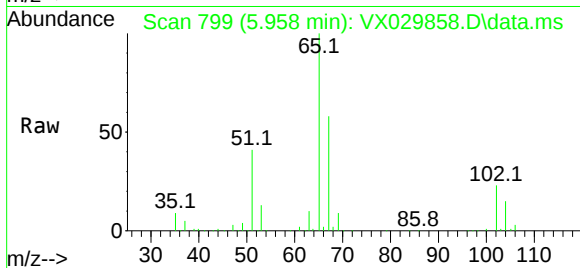
TB-1-20220622

Tgt Ion: 65 Resp: 129495

Ion Ratio Lower Upper

65 100

67 55.2 0.0 109.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.769 min Scan# 932

Delta R.T. 0.006 min

Lab File: VX029858.D

Acq: 29 Jun 2022 13:46

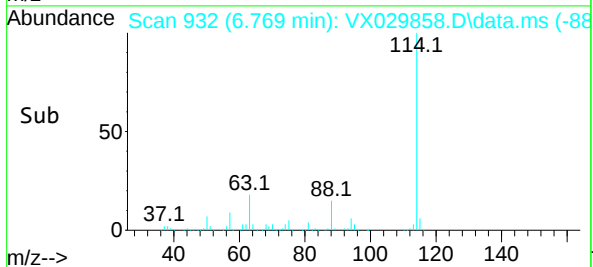
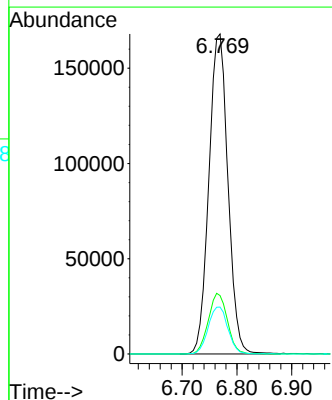
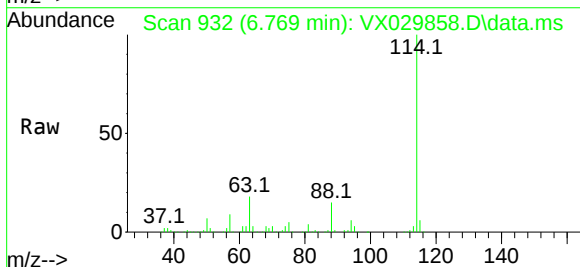
Tgt Ion: 114 Resp: 403923

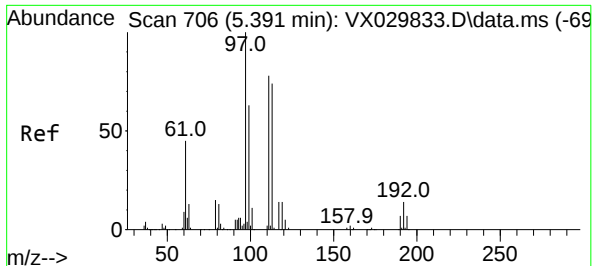
Ion Ratio Lower Upper

114 100

63 18.3 0.0 38.4

88 14.7 0.0 31.8

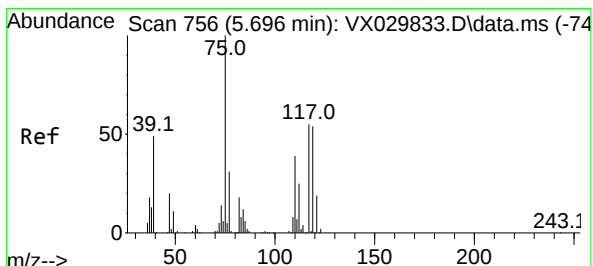
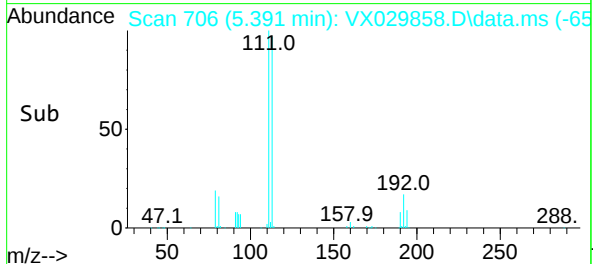
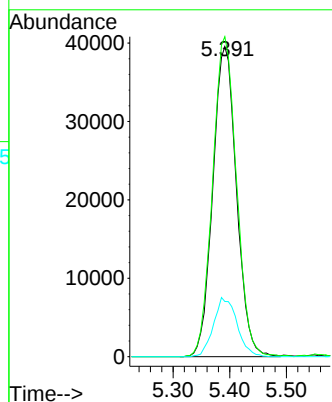
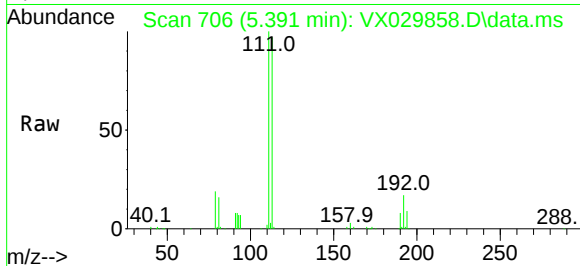




#35
Dibromofluoromethane
Concen: 45.414 ug/l
RT: 5.391 min Scan# 706
Delta R.T. 0.000 min
Lab File: VX029858.D
Acq: 29 Jun 2022 13:46

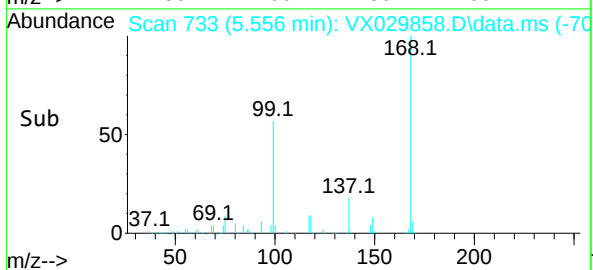
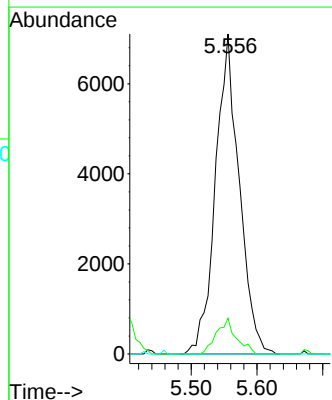
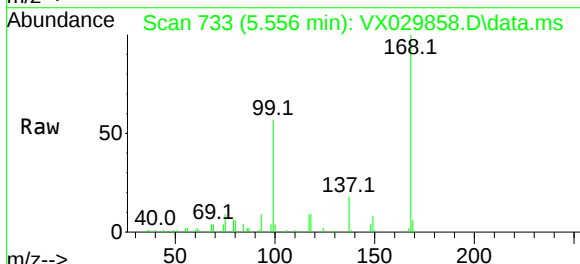
Instrument :
MSVOA_X
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TB-1-20220622

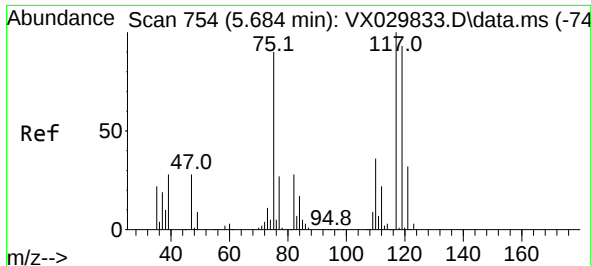
Tgt Ion:113 Resp: 114640
Ion Ratio Lower Upper
113 100
111 104.4 83.2 124.8
192 18.9 14.8 22.2



#36
1,1-Dichloropropene
Concen: 5.319 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.140 min
Lab File: VX029858.D
Acq: 29 Jun 2022 13:46

Tgt Ion: 75 Resp: 17859
Ion Ratio Lower Upper
75 100
110 9.2 19.3 57.9#
77 0.0 24.4 36.6#

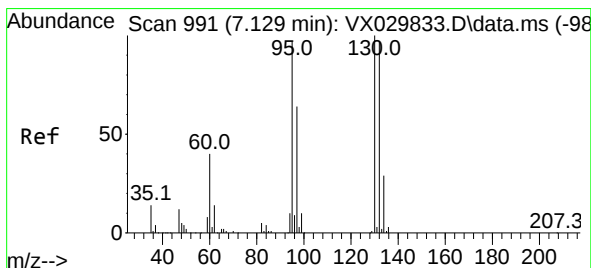
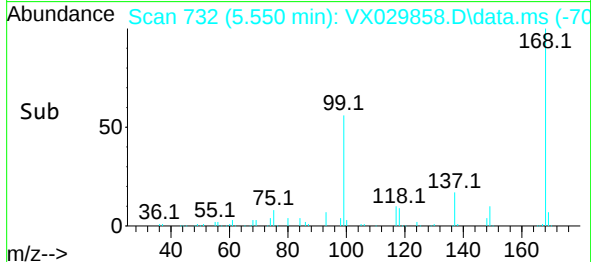
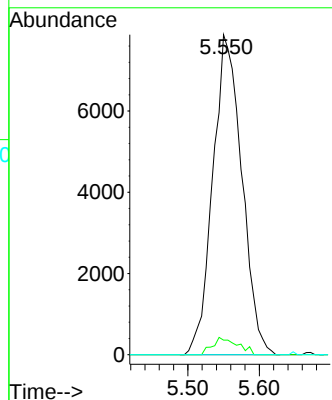
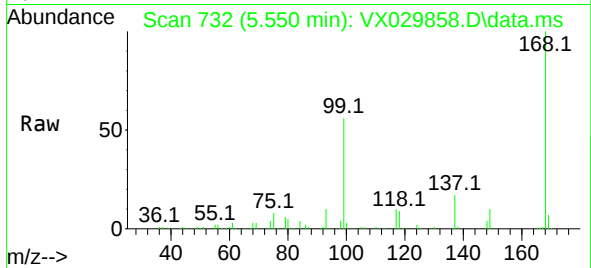




#38
Carbon Tetrachloride
Concen: 7.631 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.134 min
Lab File: VX029858.D
Acq: 29 Jun 2022 13:46

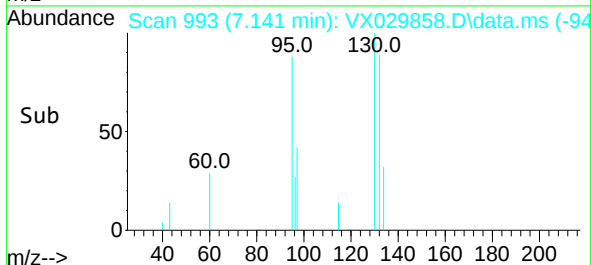
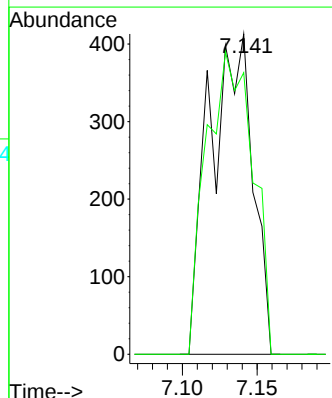
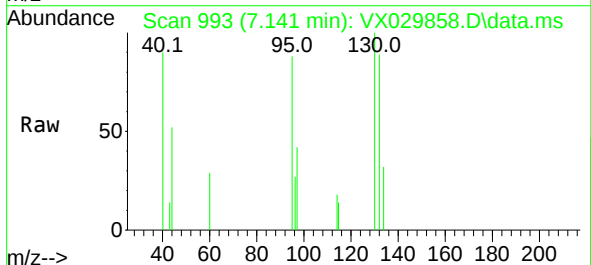
Instrument :
MSVOA_X
ClientSampleId :
TB-1-20220622

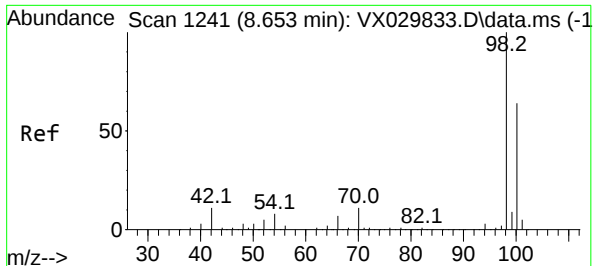
Tgt Ion:117 Resp: 22201
Ion Ratio Lower Upper
117 100
119 4.6 74.1 111.1#
121 0.0 25.8 38.8#



#44
Trichloroethene
Concen: 0.285 ug/l
RT: 7.141 min Scan# 993
Delta R.T. 0.012 min
Lab File: VX029858.D
Acq: 29 Jun 2022 13:46

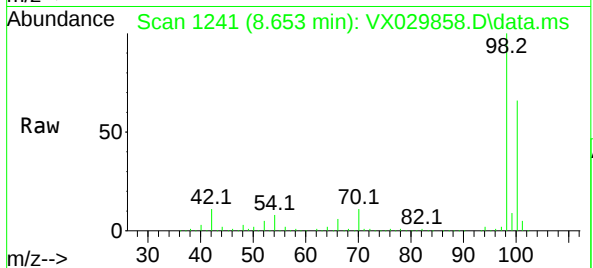
Tgt Ion:130 Resp: 834
Ion Ratio Lower Upper
130 100
95 87.9 0.0 194.8



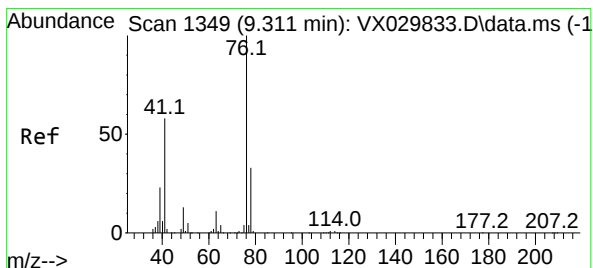
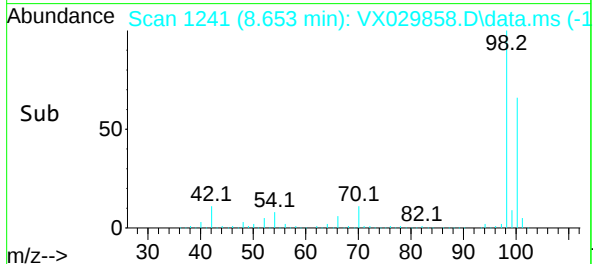
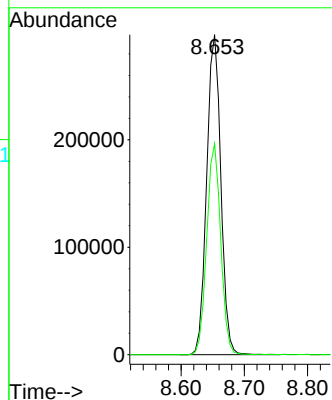


#50
Toluene-d8
Concen: 49.060 ug/l
RT: 8.653 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX029858.D
Acq: 29 Jun 2022 13:46

Instrument :
MSVOA_X
ClientSampleId :
TB-1-20220622

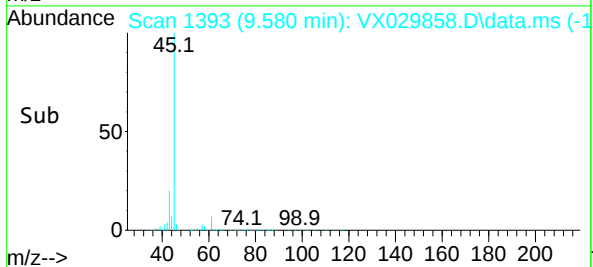
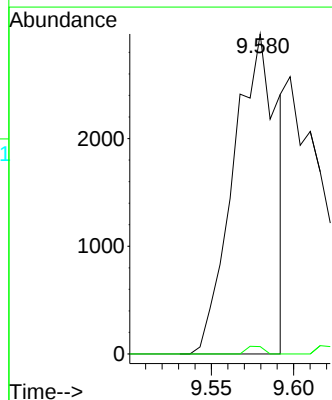
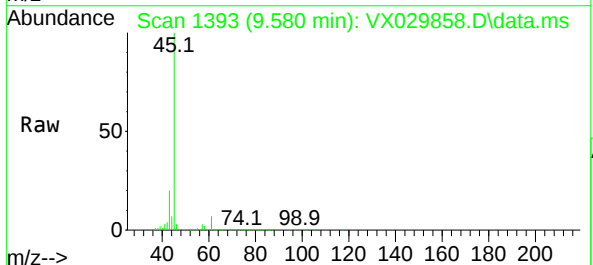


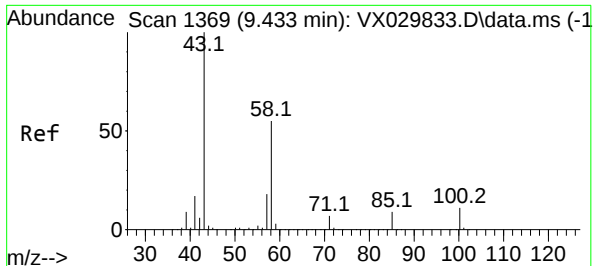
Tgt Ion: 98 Resp: 464593
Ion Ratio Lower Upper
98 100
100 65.0 52.3 78.5



#57
1,3-Dichloropropane
Concen: 1.204 ug/l
RT: 9.580 min Scan# 1393
Delta R.T. 0.268 min
Lab File: VX029858.D
Acq: 29 Jun 2022 13:46

Tgt Ion: 76 Resp: 5527
Ion Ratio Lower Upper
76 100
78 0.9 25.9 38.9#





#59

2-Hexanone

Concen: 136.944 ug/l

RT: 9.573 min Scan# 1

Delta R.T. 0.140 min

Lab File: VX029858.D

Acq: 29 Jun 2022 13:46

Instrument :

MSVOA_X

ClientSampleId :

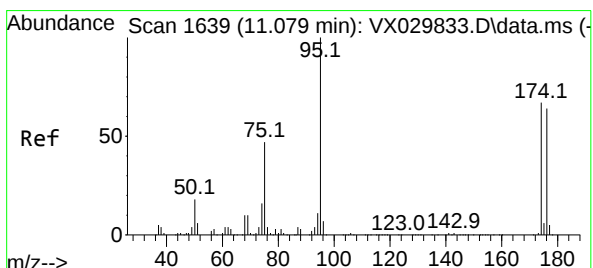
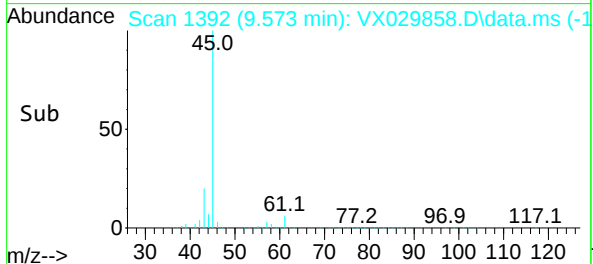
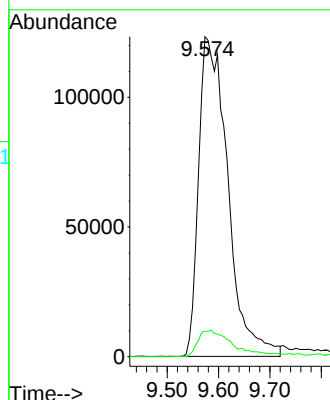
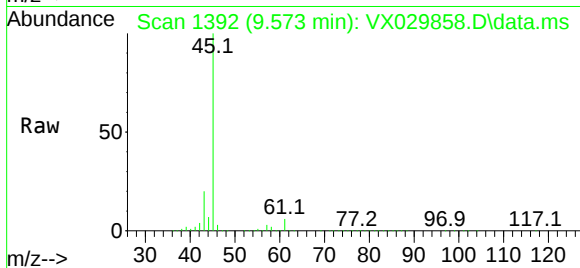
TB-1-20220622

Tgt Ion: 43 Resp: 484562

Ion Ratio Lower Upper

43 100

58 9.8 27.6 82.8#



#62

4-Bromofluorobenzene

Concen: 47.908 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.000 min

Lab File: VX029858.D

Acq: 29 Jun 2022 13:46

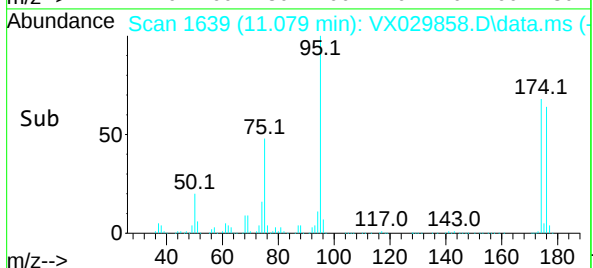
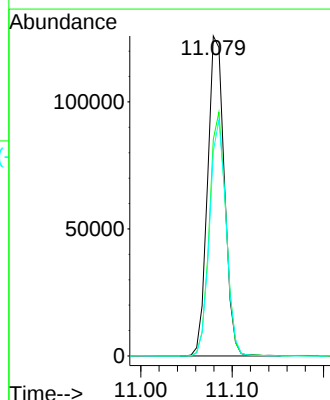
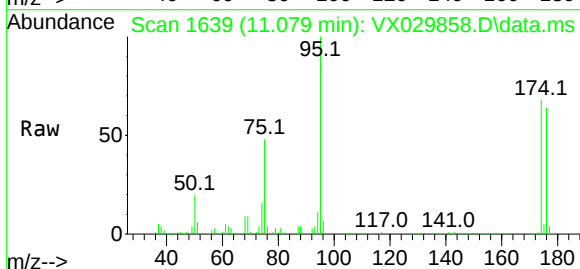
Tgt Ion: 95 Resp: 160371

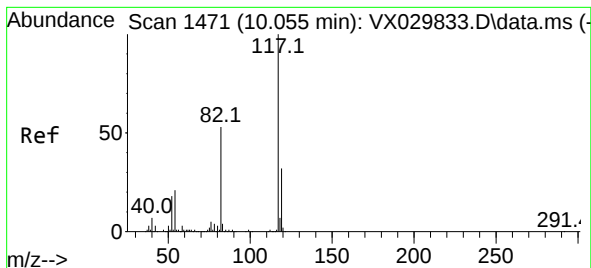
Ion Ratio Lower Upper

95 100

174 74.9 0.0 149.0

176 72.6 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: VX029858.D

Acq: 29 Jun 2022 13:46

Instrument :

MSVOA_X

ClientSampleId :

TB-1-20220622

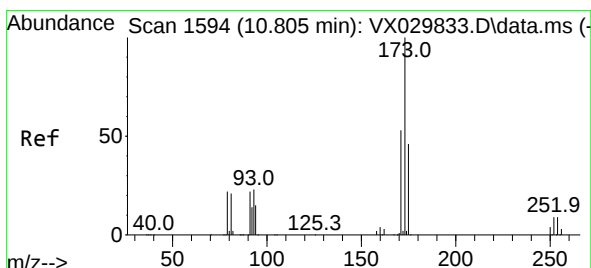
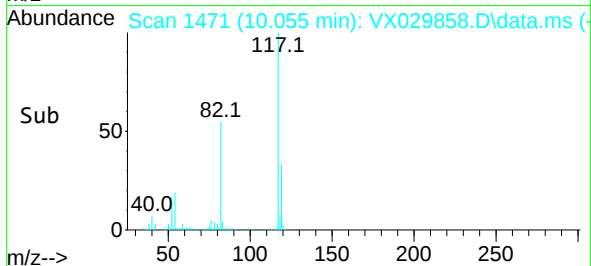
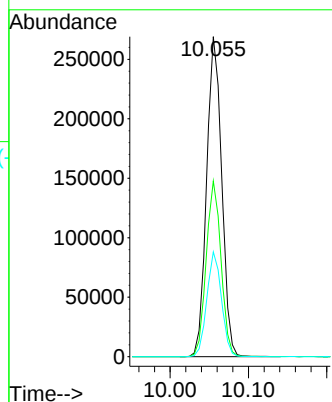
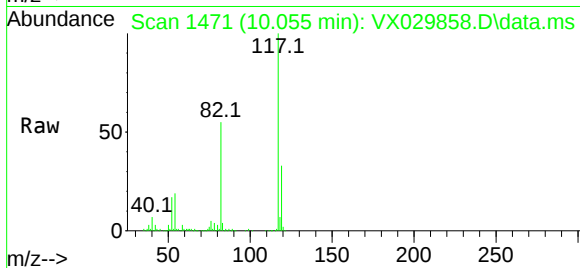
Tgt Ion:117 Resp: 359055

Ion Ratio Lower Upper

117 100

82 54.9 42.7 64.1

119 32.7 25.4 38.2



#71

Bromoform

Concen: 1.097 ug/l

RT: 11.000 min Scan# 1626

Delta R.T. 0.195 min

Lab File: VX029858.D

Acq: 29 Jun 2022 13:46

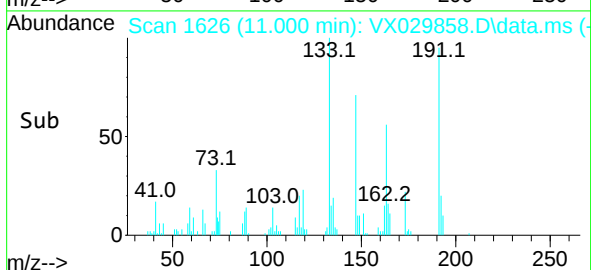
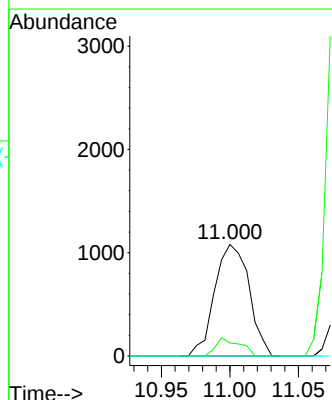
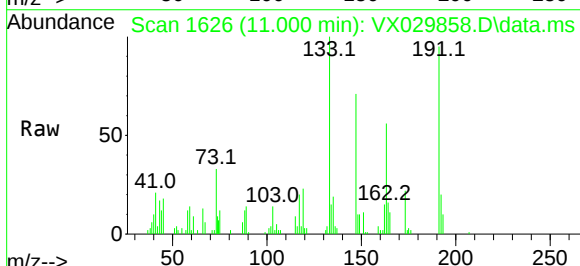
Tgt Ion:173 Resp: 1885

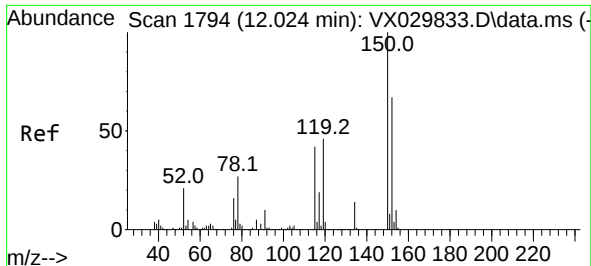
Ion Ratio Lower Upper

173 100

175 11.2 23.8 71.2#

254 0.0 0.1 0.1#

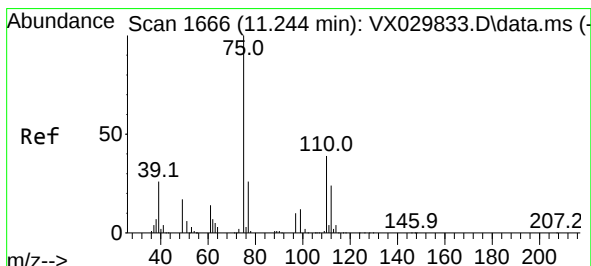
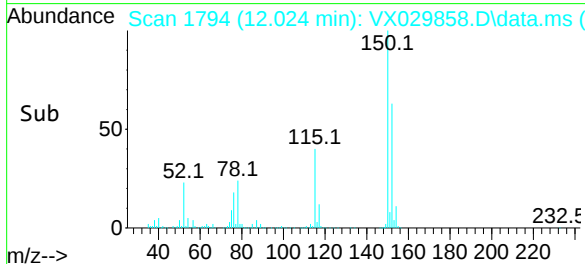
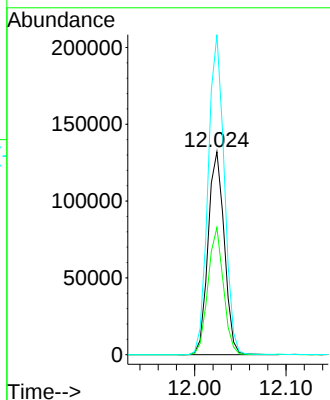
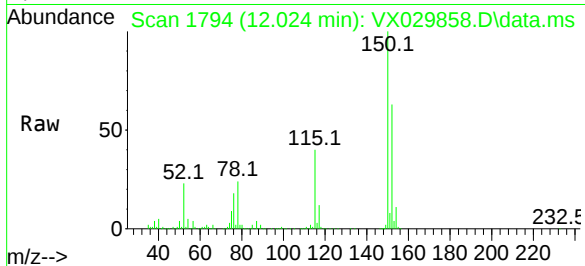




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.024 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: VX029858.D
 Acq: 29 Jun 2022 13:46

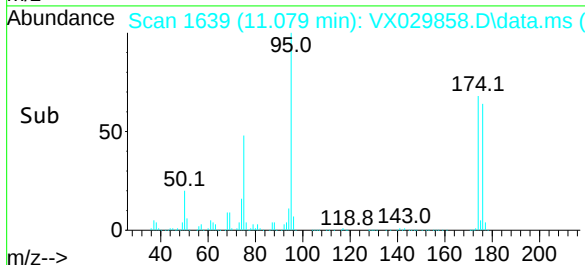
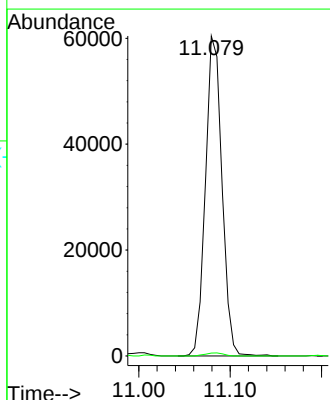
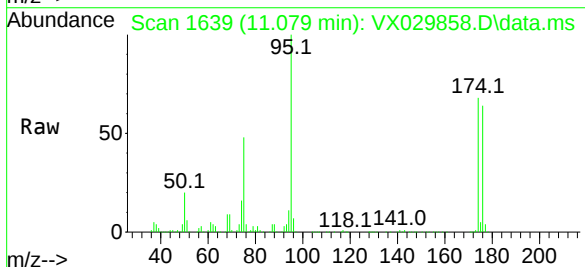
Instrument :
 MSVOA_X
 ClientSampleId :
 TB-1-20220622

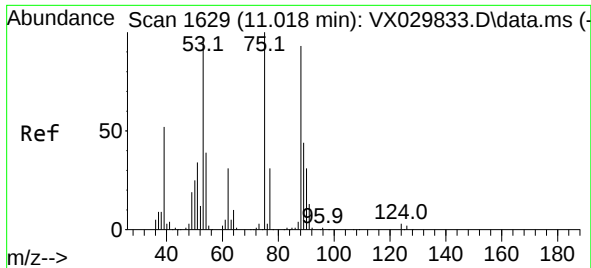
Tgt Ion:152 Resp: 161981
 Ion Ratio Lower Upper
 152 100
 115 59.7 40.5 121.5
 150 157.4 0.0 347.0



#76
 1,2,3-Trichloropropane
 Concen: 19.512 ug/l
 RT: 11.079 min Scan# 1639
 Delta R.T. -0.164 min
 Lab File: VX029858.D
 Acq: 29 Jun 2022 13:46

Tgt Ion: 75 Resp: 75661
 Ion Ratio Lower Upper
 75 100
 77 1.1 19.8 59.3#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 61.967 ug/l
 RT: 11.079 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX029858.D
 Acq: 29 Jun 2022 13:46

Instrument :
 MSVOA_X
 ClientSampleId :
 TB-1-20220622

Tgt Ion: 75 Resp: 75661
 Ion Ratio Lower Upper
 75 100
 53 0.0 74.2 111.4#
 89 0.2 34.8 52.2#

