

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX071522\
 Data File : VX030090.D
 Acq On : 15 Jul 2022 14:40
 Operator : JC/MD
 Sample : N3705-01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TB01-20220711

Quant Time: Jul 16 06:02:17 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	162847	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	292383	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	254054	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	103665	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	100586	50.746	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 101.500%	
35) Dibromofluoromethane	5.391	113	88378	47.315	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 94.640%	
50) Toluene-d8	8.653	98	335294	47.729	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 95.460%	
62) 4-Bromofluorobenzene	11.085	95	108523	44.516	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 89.040%	

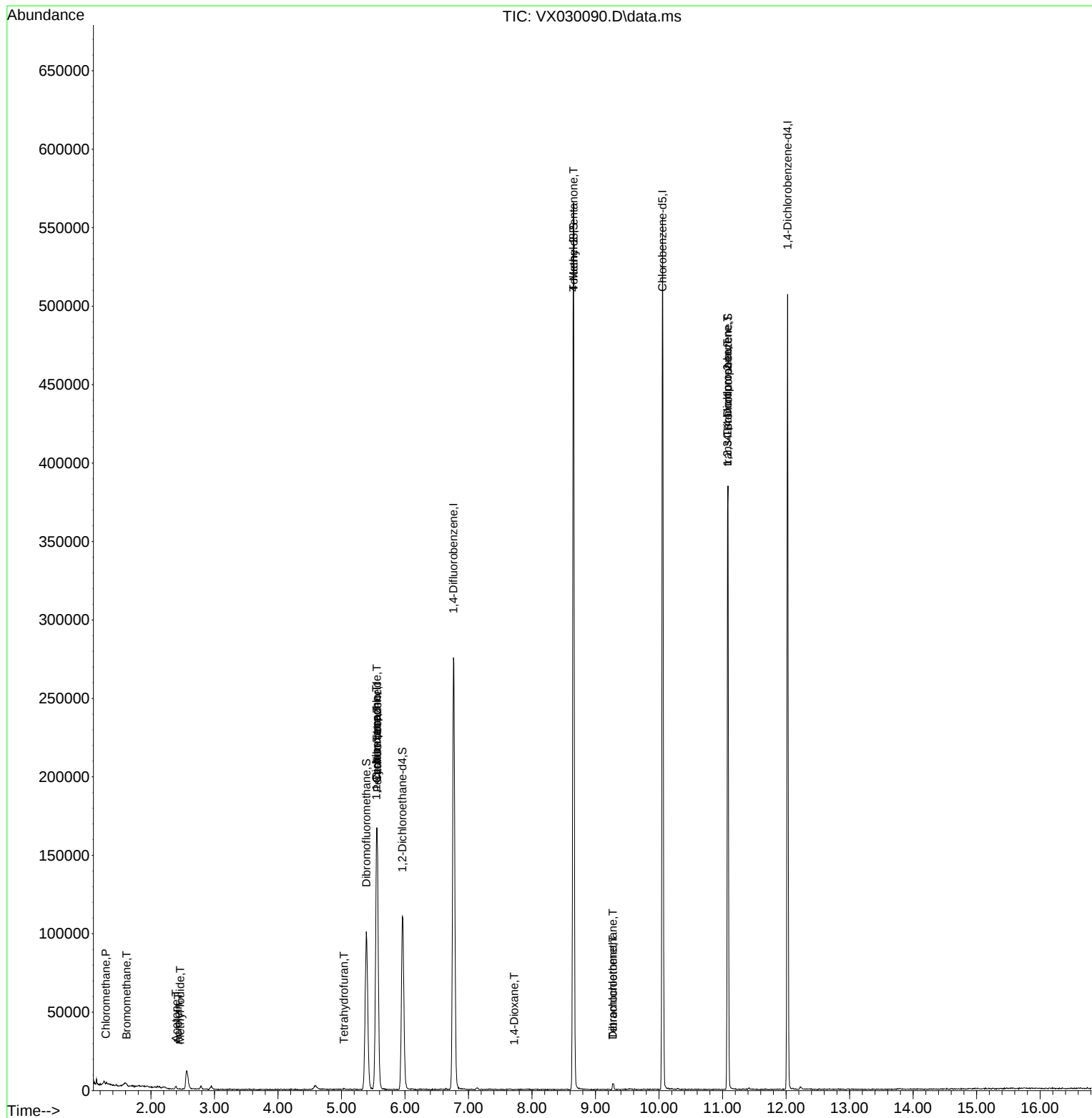
Target Compounds				Qvalue		
3) Chloromethane	1.288	50	351	0.207	ug/l #	42
5) Bromomethane	1.617	94	162	0.202	ug/l	91
10) Methyl Iodide	2.459	142	197	2.523	ug/l #	45
13) Acrolein	2.428	56	35	0.344	ug/l #	1
16) Acetone	2.392	43	1816	1.944	ug/l	89
17) Carbon Disulfide	2.508	76	292	Below Cal	#	74
20) Methylene Chloride	2.782	84	762	Below Cal	#	82
29) Tetrahydrofuran	5.038	42	247	0.229	ug/l #	51
31) Cyclohexane	5.556	56	3562	1.240	ug/l #	1
36) 1,1-Dichloropropene	5.550	75	13372	5.542	ug/l #	44
38) Carbon Tetrachloride	5.556	117	16133	7.171	ug/l #	18
49) 1,4-Dioxane	7.720	88	44	0.787	ug/l #	25
51) 4-Methyl-2-Pentanone	8.653	43	1696	0.550	ug/l #	1
60) Dibromochloromethane	9.275	129	793	0.409	ug/l #	11
64) Tetrachloroethene	9.275	164	777	0.381	ug/l #	86
76) 1,2,3-Trichloropropane	11.079	75	50761	21.297	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.079	75	50761	61.463	ug/l #	12

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

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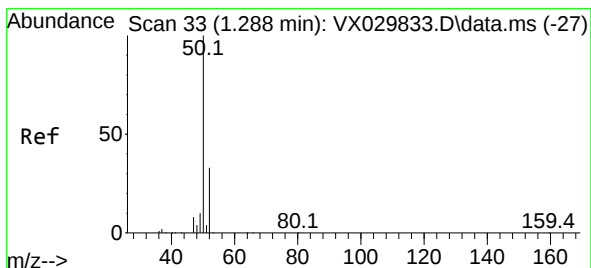
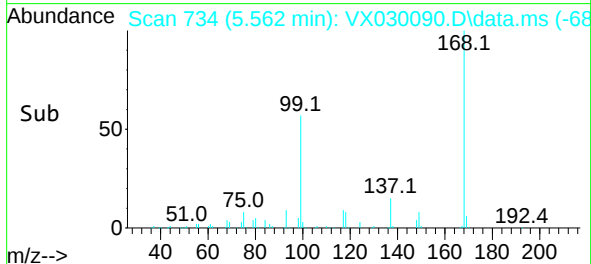
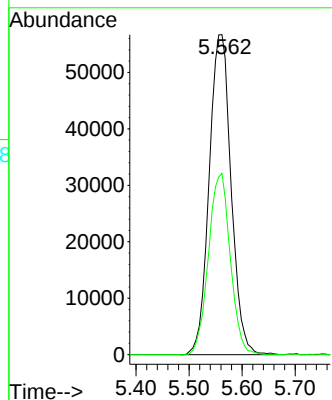
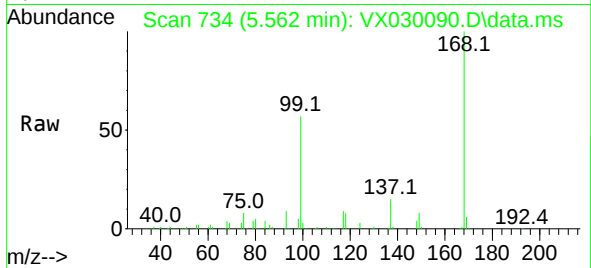




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX030090.D
Acq: 15 Jul 2022 14:40

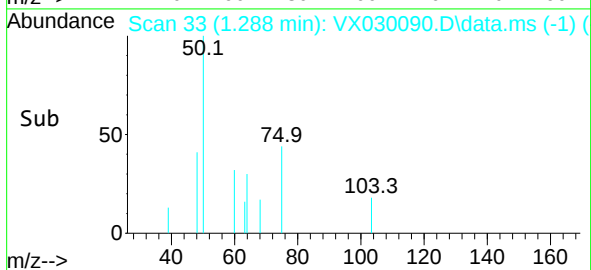
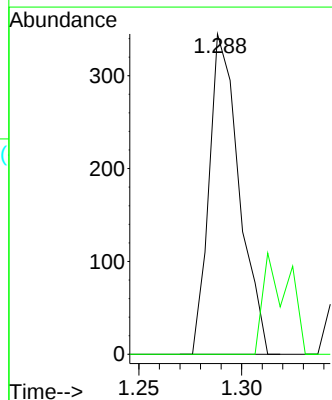
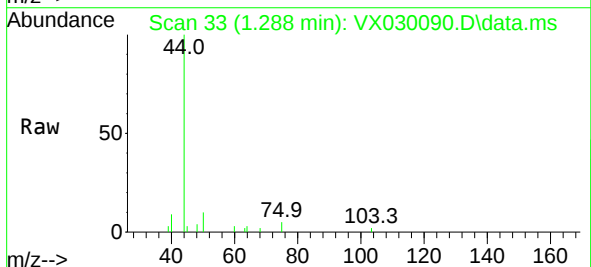
Instrument :
MSVOA_X
ClientSampleId :
TB01-20220711

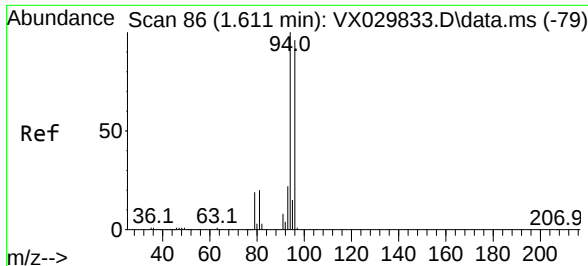
Tgt Ion:168 Resp: 162847
Ion Ratio Lower Upper
168 100
99 56.7 44.0 66.0



#3
Chloromethane
Concen: 0.207 ug/l
RT: 1.288 min Scan# 33
Delta R.T. 0.000 min
Lab File: VX030090.D
Acq: 15 Jul 2022 14:40

Tgt Ion: 50 Resp: 351
Ion Ratio Lower Upper
50 100
52 0.0 26.3 39.5#

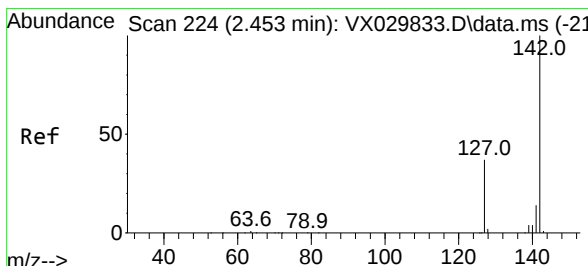
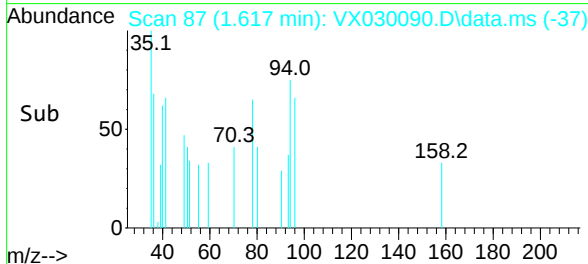
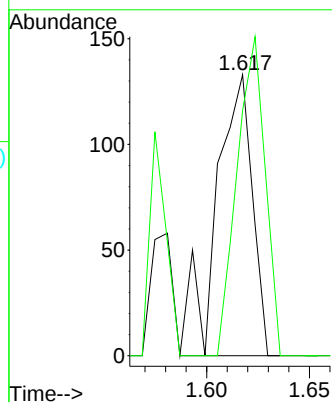
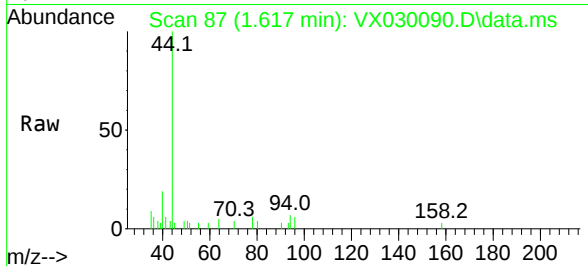




#5
Bromomethane
Concen: 0.202 ug/l
RT: 1.617 min Scan# 81
Delta R.T. 0.006 min
Lab File: VX030090.D
Acq: 15 Jul 2022 14:40

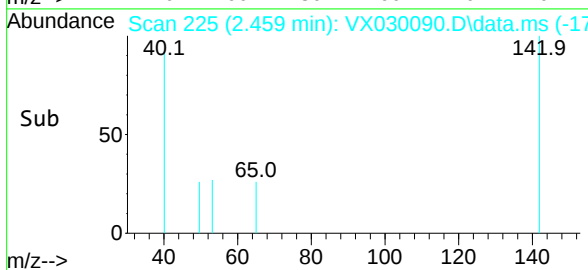
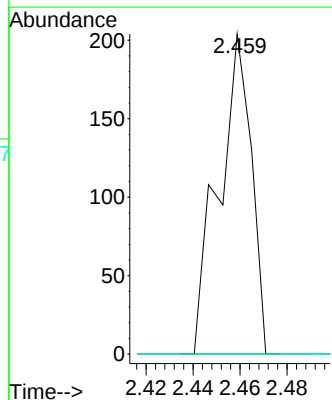
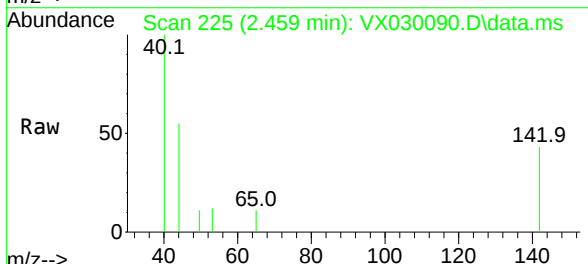
Instrument :
MSVOA_X
ClientSampleId :
TB01-20220711

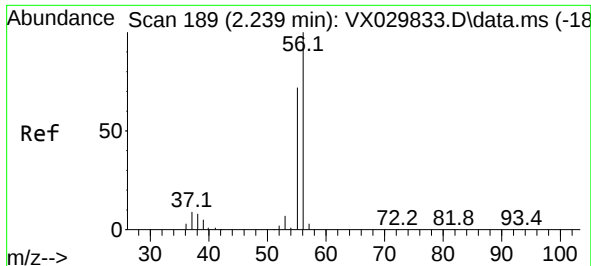
Tgt Ion: 94 Resp: 162
Ion Ratio Lower Upper
94 100
96 87.2 76.9 115.3



#10
Methyl Iodide
Concen: 2.523 ug/l
RT: 2.459 min Scan# 225
Delta R.T. 0.006 min
Lab File: VX030090.D
Acq: 15 Jul 2022 14:40

Tgt Ion: 142 Resp: 197
Ion Ratio Lower Upper
142 100
127 0.0 30.2 45.2#
141 0.0 11.3 16.9#





#13

Acrolein

Concen: 0.344 ug/l

RT: 2.428 min Scan# 21

Delta R.T. 0.189 min

Lab File: VX030090.D

Acq: 15 Jul 2022 14:40

Instrument :

MSVOA_X

ClientSampleId :

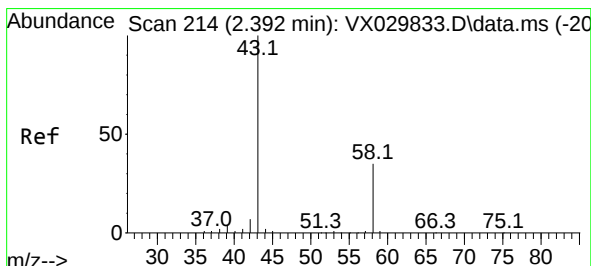
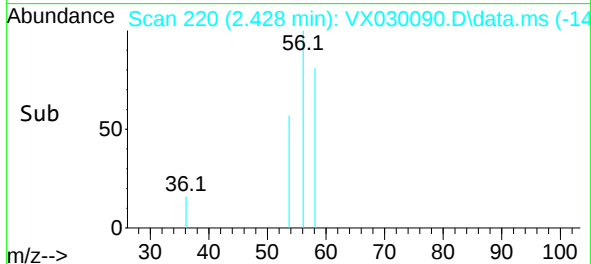
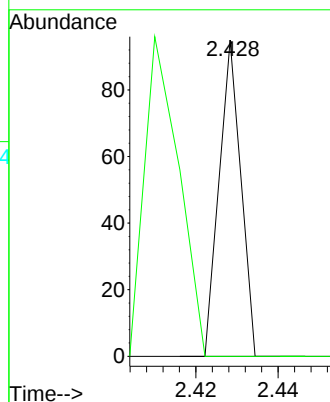
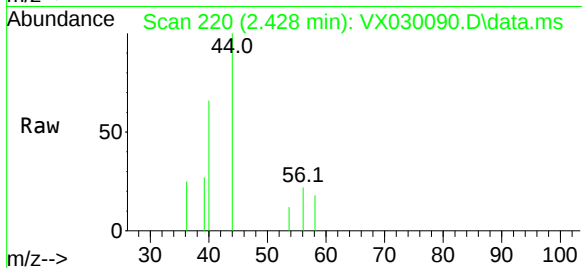
TB01-20220711

Tgt Ion: 56 Resp: 35

Ion Ratio Lower Upper

56 100

55 160.0 56.6 84.8#



#16

Acetone

Concen: 1.944 ug/l

RT: 2.392 min Scan# 214

Delta R.T. -0.000 min

Lab File: VX030090.D

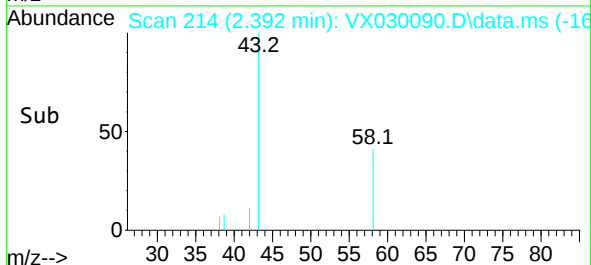
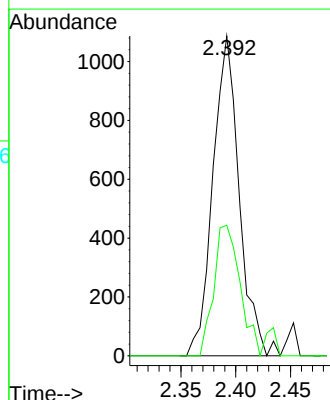
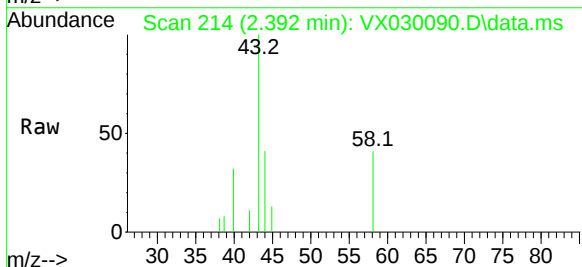
Acq: 15 Jul 2022 14:40

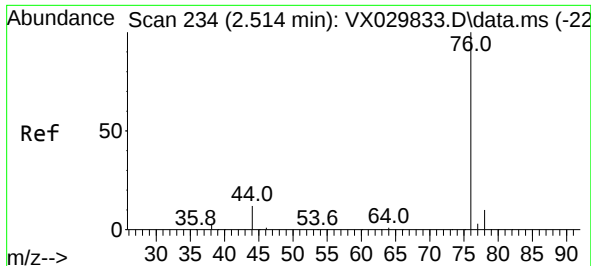
Tgt Ion: 43 Resp: 1816

Ion Ratio Lower Upper

43 100

58 40.8 27.7 41.5

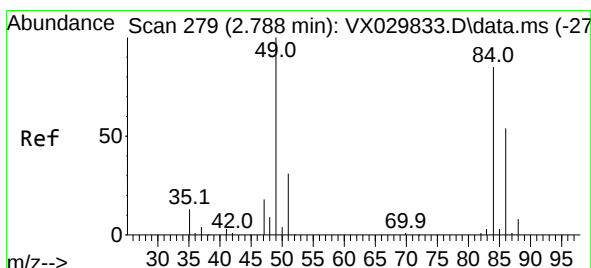
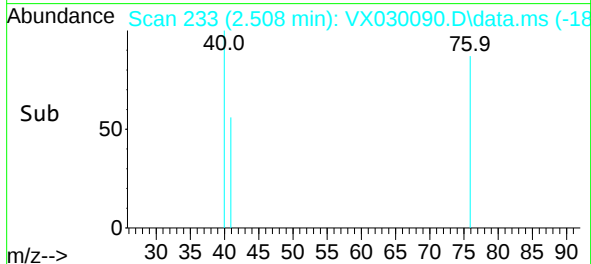
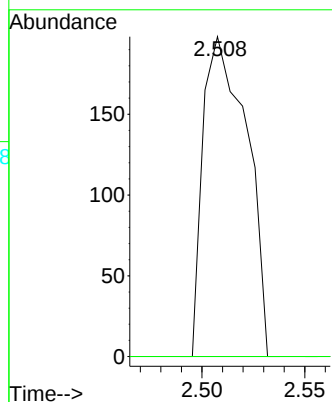
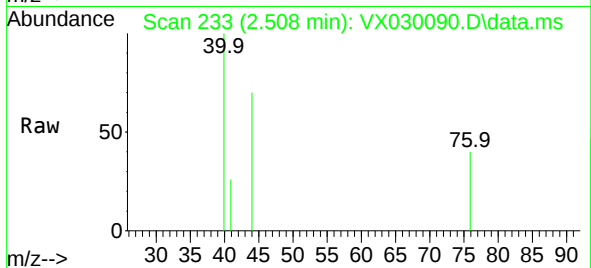




#17
Carbon Disulfide
Concen: Below Cal
RT: 2.508 min Scan# 21
Delta R.T. -0.006 min
Lab File: VX030090.D
Acq: 15 Jul 2022 14:40

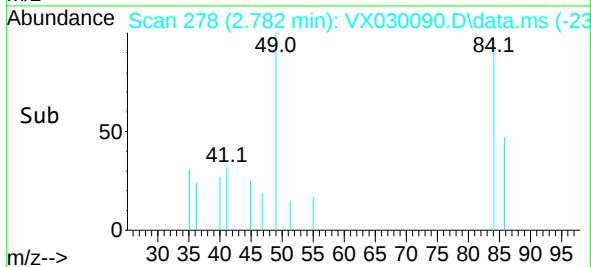
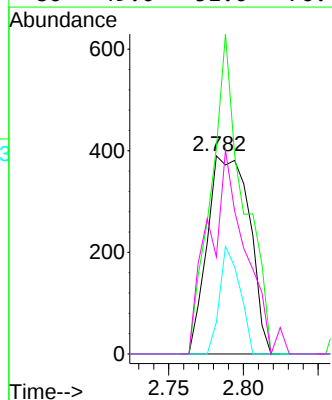
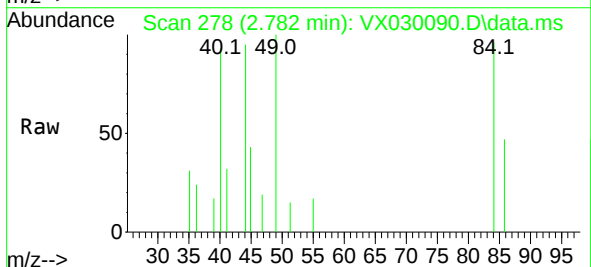
Instrument :
MSVOA_X
ClientSampleId :
TB01-20220711

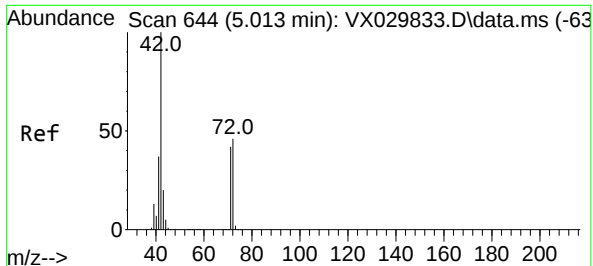
Tgt Ion: 76 Resp: 292
Ion Ratio Lower Upper
76 100
78 0.0 7.8 11.6#



#20
Methylene Chloride
Concen: Below Cal
RT: 2.782 min Scan# 278
Delta R.T. -0.006 min
Lab File: VX030090.D
Acq: 15 Jul 2022 14:40

Tgt Ion: 84 Resp: 762
Ion Ratio Lower Upper
84 100
49 103.8 93.8 140.6
51 15.9 29.4 44.0#
86 49.0 51.0 76.4#





#29

Tetrahydrofuran

Concen: 0.229 ug/l

RT: 5.038 min Scan# 644

Delta R.T. 0.025 min

Lab File: VX030090.D

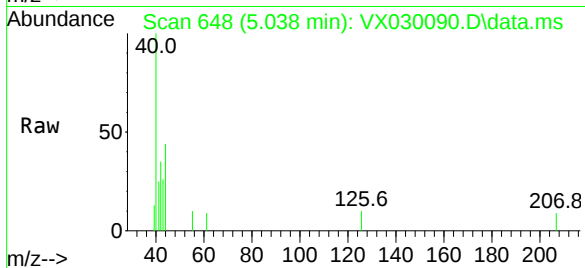
Acq: 15 Jul 2022 14:40

Instrument :

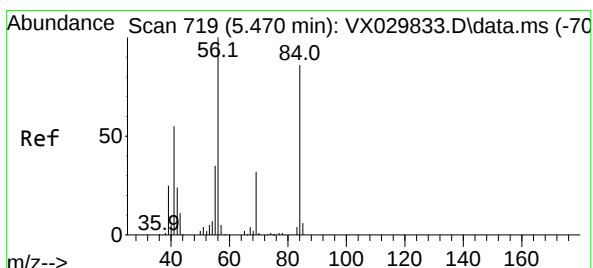
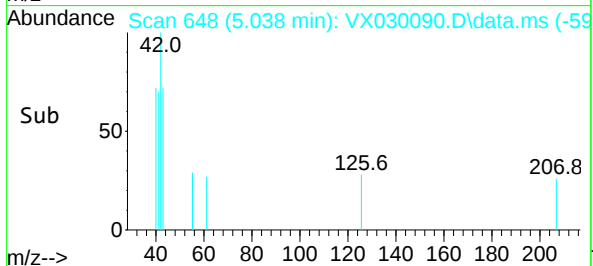
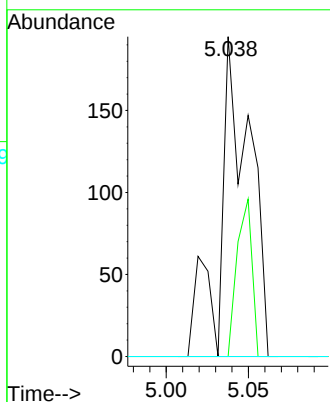
MSVOA_X

ClientSampleId :

TB01-20220711



Tgt Ion:	42	Resp:	247
Ion	Ratio	Lower	Upper
42	100		
72	24.7	36.5	54.7#
71	0.0	33.9	50.9#



#31

Cyclohexane

Concen: 1.240 ug/l

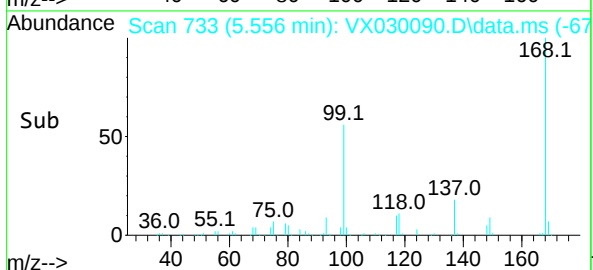
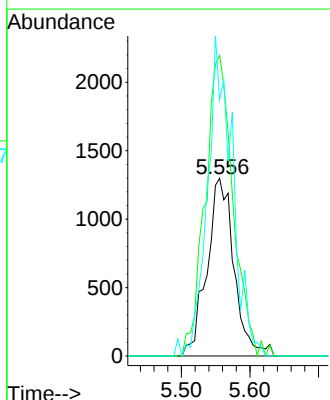
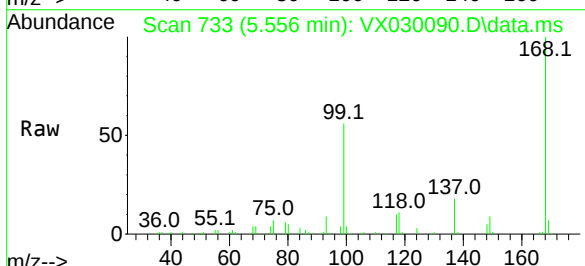
RT: 5.556 min Scan# 733

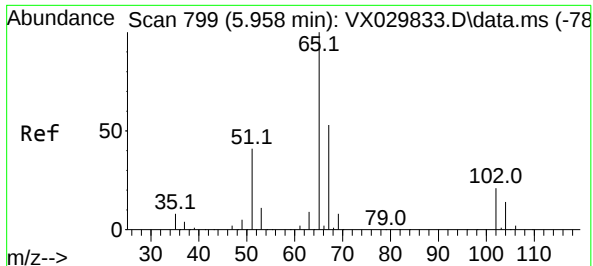
Delta R.T. 0.086 min

Lab File: VX030090.D

Acq: 15 Jul 2022 14:40

Tgt Ion:	56	Resp:	3562
Ion	Ratio	Lower	Upper
56	100		
69	169.2	25.4	38.0#
84	144.2	68.9	103.3#





#33

1,2-Dichloroethane-d4

Concen: 50.746 ug/l

RT: 5.958 min Scan# 799

Delta R.T. 0.000 min

Lab File: VX030090.D

Acq: 15 Jul 2022 14:40

Instrument :

MSVOA_X

ClientSampleId :

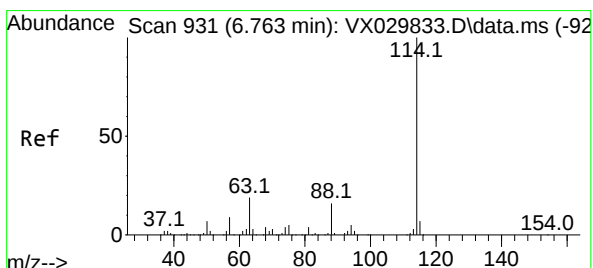
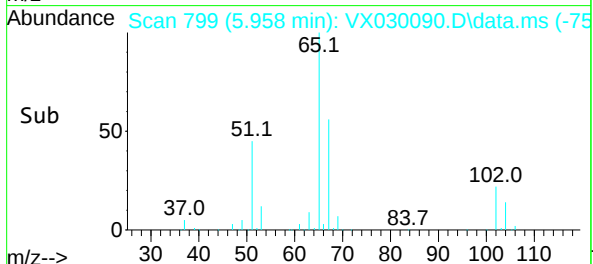
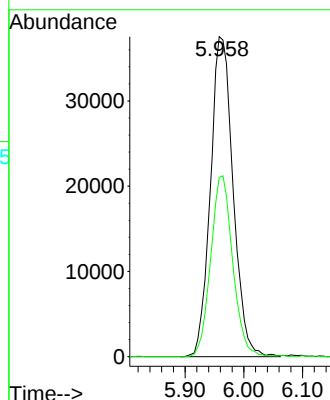
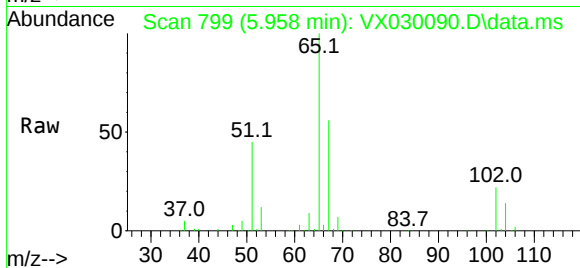
TB01-20220711

Tgt Ion: 65 Resp: 100586

Ion Ratio Lower Upper

65 100

67 54.9 0.0 109.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.763 min Scan# 931

Delta R.T. -0.000 min

Lab File: VX030090.D

Acq: 15 Jul 2022 14:40

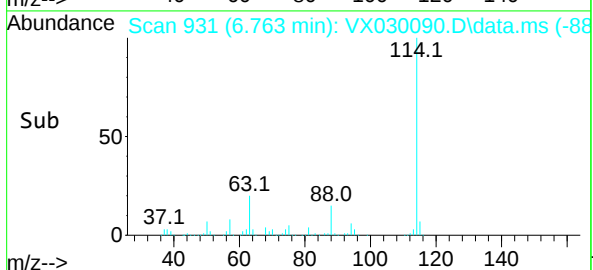
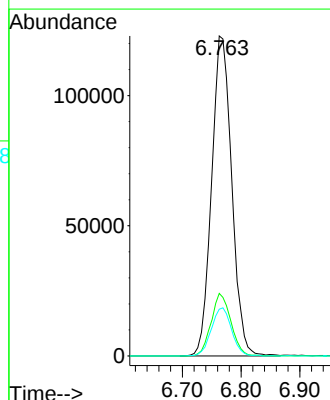
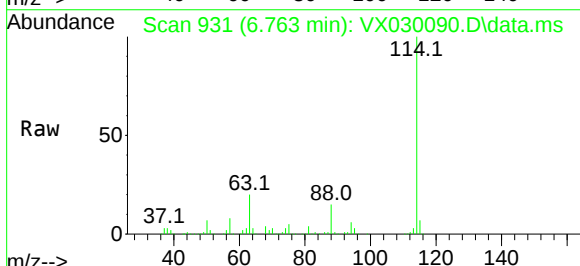
Tgt Ion: 114 Resp: 292383

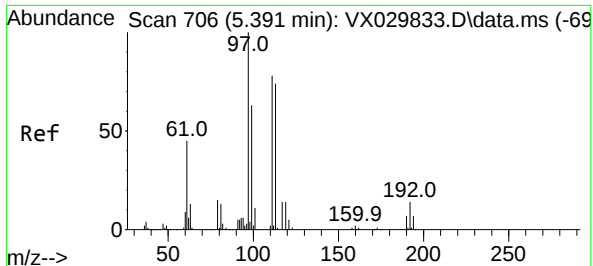
Ion Ratio Lower Upper

114 100

63 19.5 0.0 38.4

88 14.6 0.0 31.8

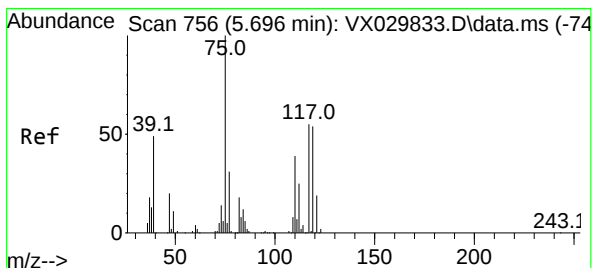
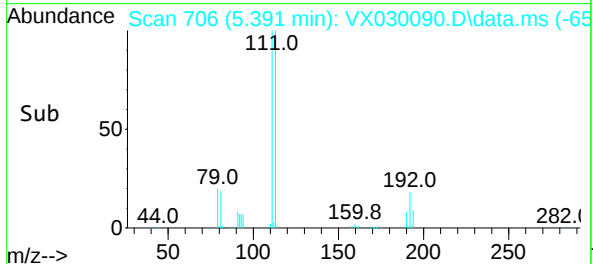
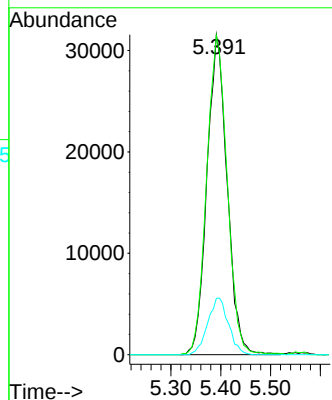
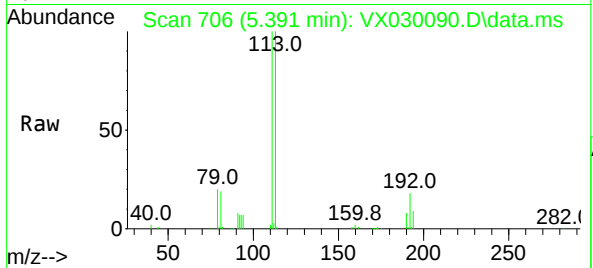




#35
Dibromofluoromethane
Concen: 47.315 ug/l
RT: 5.391 min Scan# 706
Delta R.T. 0.000 min
Lab File: VX030090.D
Acq: 15 Jul 2022 14:40

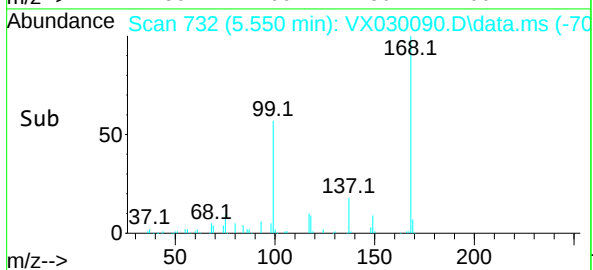
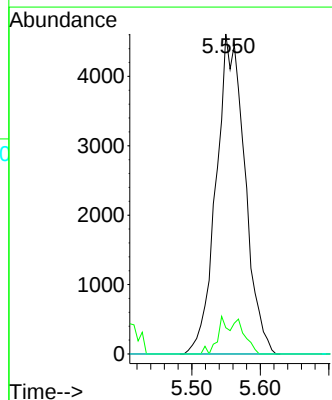
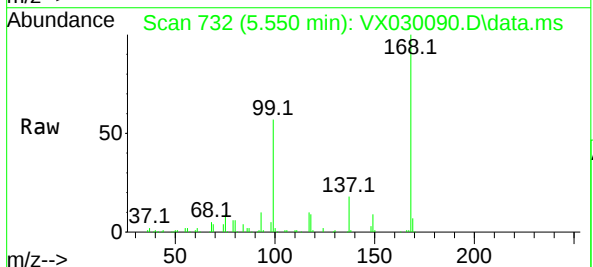
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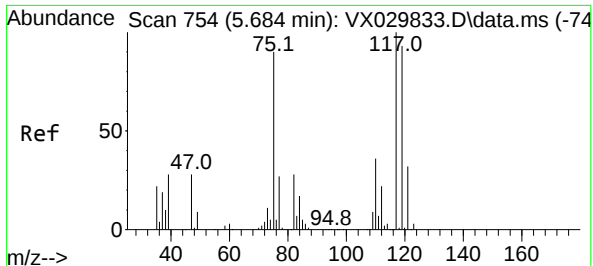
Tgt Ion:113 Resp: 88378
Ion Ratio Lower Upper
113 100
111 101.9 83.2 124.8
192 18.3 14.8 22.2



#36
1,1-Dichloropropene
Concen: 5.542 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.146 min
Lab File: VX030090.D
Acq: 15 Jul 2022 14:40

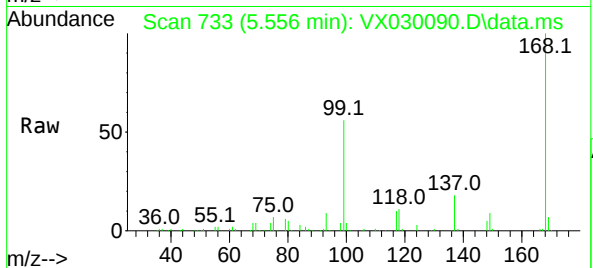
Tgt Ion: 75 Resp: 13372
Ion Ratio Lower Upper
75 100
110 4.6 19.3 57.9#
77 0.0 24.4 36.6#



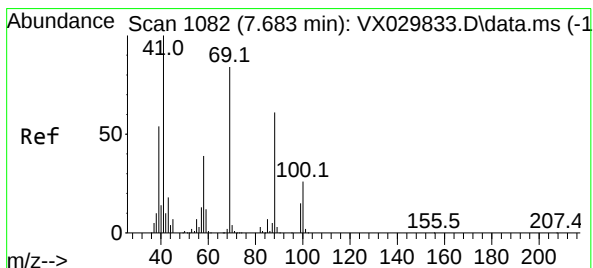
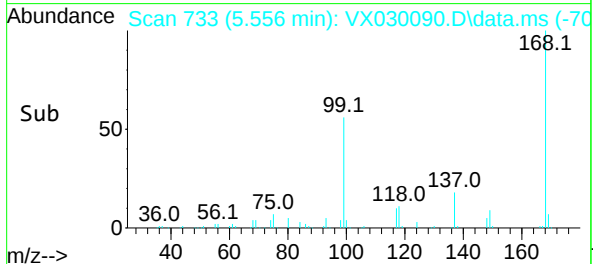
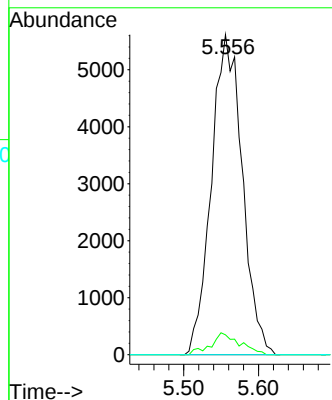


#38
Carbon Tetrachloride
Concen: 7.171 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.128 min
Lab File: VX030090.D
Acq: 15 Jul 2022 14:40

Instrument :
MSVOA_X
ClientSampleId :
TB01-20220711

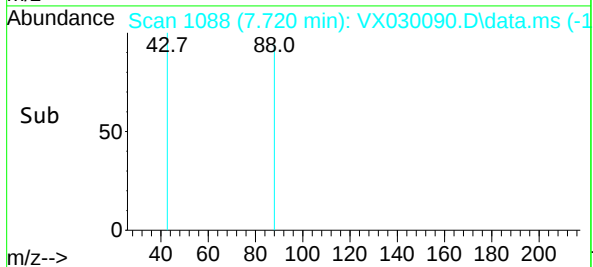
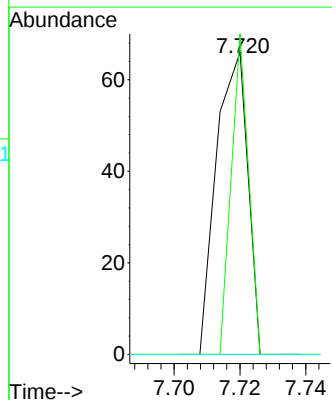
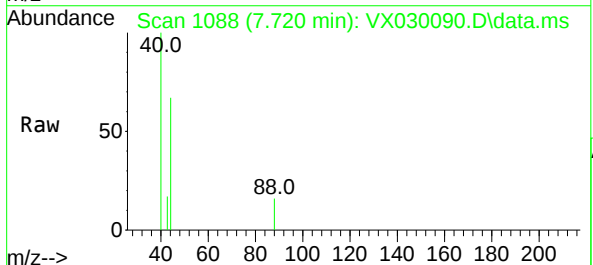


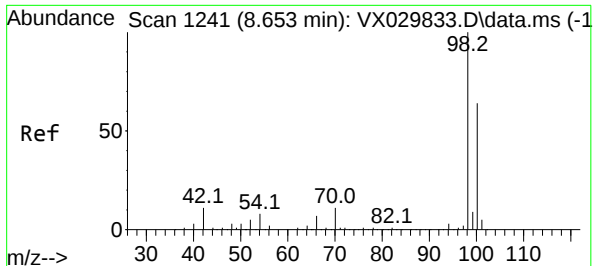
Tgt Ion:117 Resp: 16133
Ion Ratio Lower Upper
117 100
119 6.2 74.1 111.1#
121 0.0 25.8 38.8#



#49
1,4-Dioxane
Concen: 0.787 ug/l
RT: 7.720 min Scan# 1088
Delta R.T. 0.037 min
Lab File: VX030090.D
Acq: 15 Jul 2022 14:40

Tgt Ion: 88 Resp: 44
Ion Ratio Lower Upper
88 100
43 59.1 23.8 35.8#
58 0.0 53.8 80.6#





#50

Toluene-d8

Concen: 47.729 ug/l

RT: 8.653 min Scan# 1241

Delta R.T. -0.000 min

Lab File: VX030090.D

Acq: 15 Jul 2022 14:40

Instrument :

MSVOA_X

ClientSampleId :

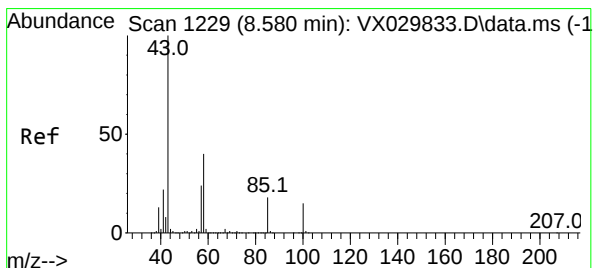
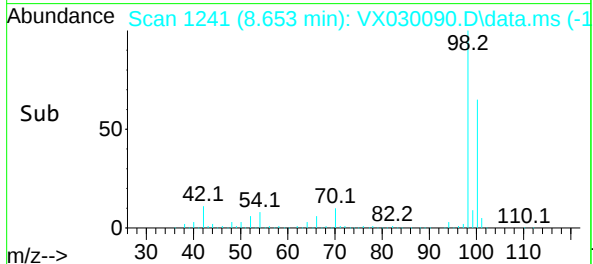
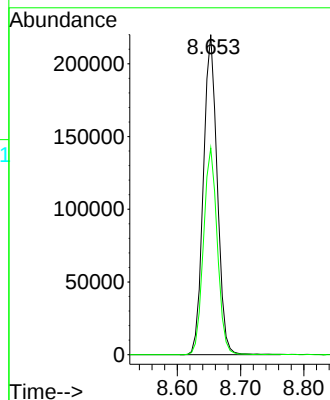
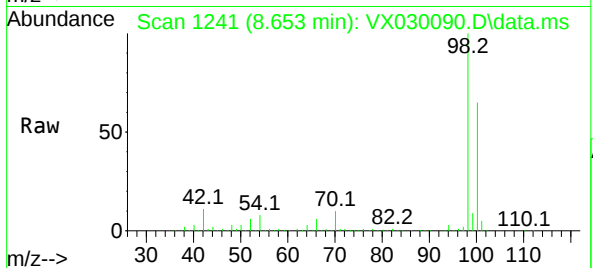
TB01-20220711

Tgt Ion: 98 Resp: 335294

Ion Ratio Lower Upper

98 100

100 64.6 52.3 78.5



#51

4-Methyl-2-Pentanone

Concen: 0.550 ug/l

RT: 8.653 min Scan# 1241

Delta R.T. 0.073 min

Lab File: VX030090.D

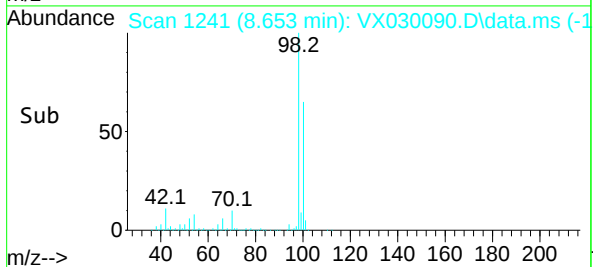
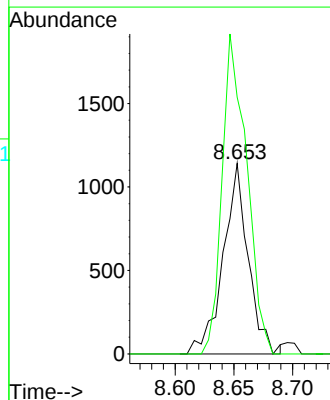
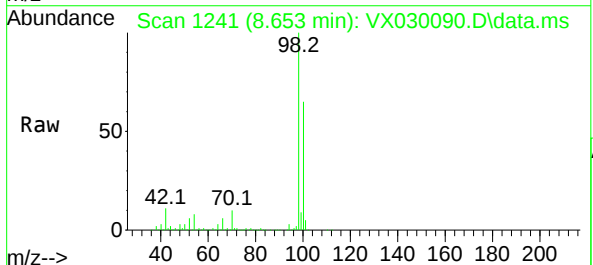
Acq: 15 Jul 2022 14:40

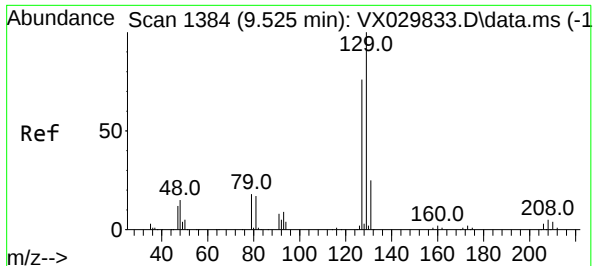
Tgt Ion: 43 Resp: 1696

Ion Ratio Lower Upper

43 100

58 164.8 31.4 47.2#

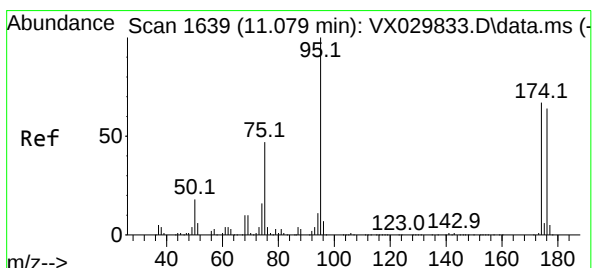
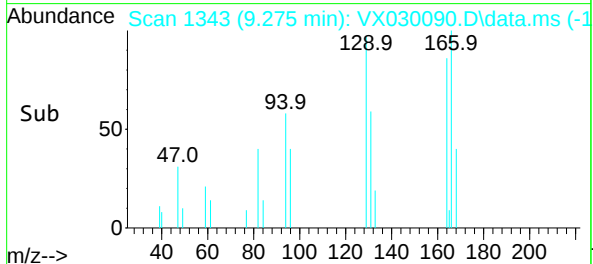
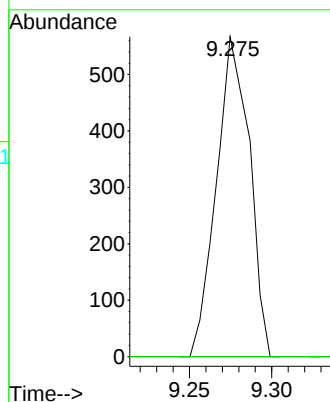
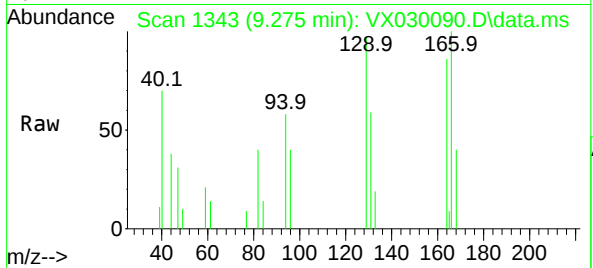




#60
Dibromochloromethane
Concen: 0.409 ug/l
RT: 9.275 min Scan# 11
Delta R.T. -0.250 min
Lab File: VX030090.D
Acq: 15 Jul 2022 14:40

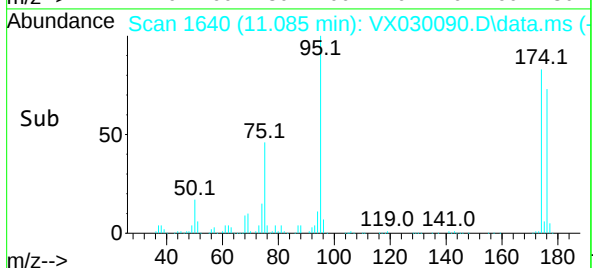
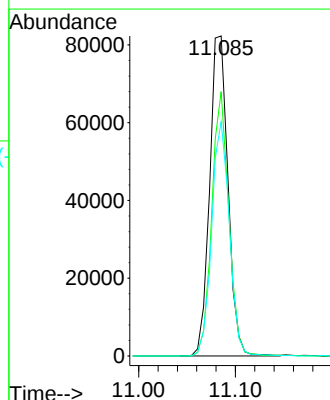
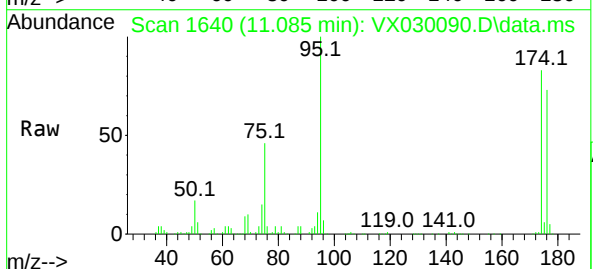
Instrument :
MSVOA_X
ClientSampleId :
TB01-20220711

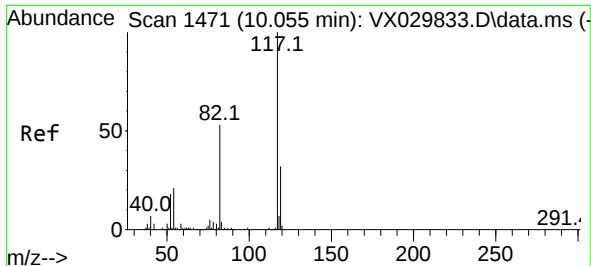
Tgt Ion:129 Resp: 793
Ion Ratio Lower Upper
129 100
127 0.0 38.5 115.5#



#62
4-Bromofluorobenzene
Concen: 44.516 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.006 min
Lab File: VX030090.D
Acq: 15 Jul 2022 14:40

Tgt Ion: 95 Resp: 108523
Ion Ratio Lower Upper
95 100
174 76.5 0.0 149.0
176 70.8 0.0 146.0

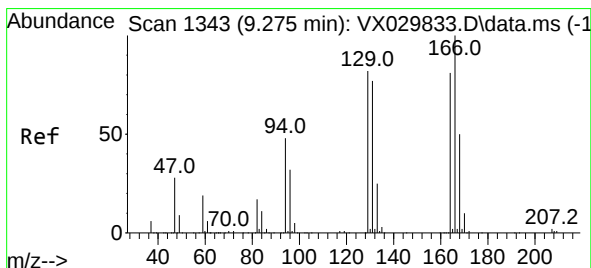
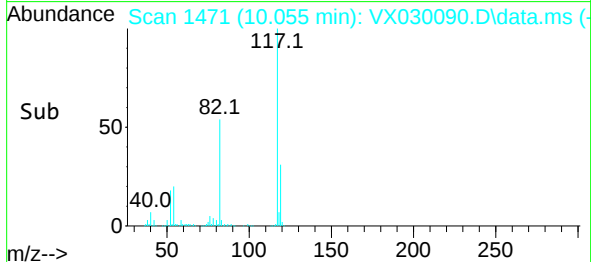
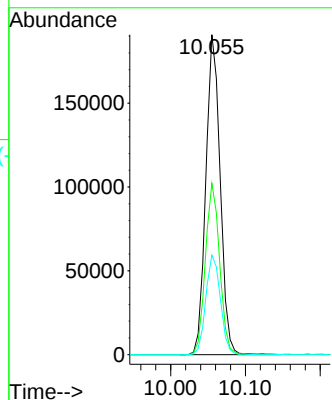
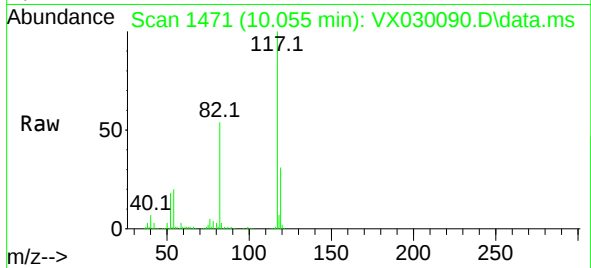




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX030090.D
Acq: 15 Jul 2022 14:40

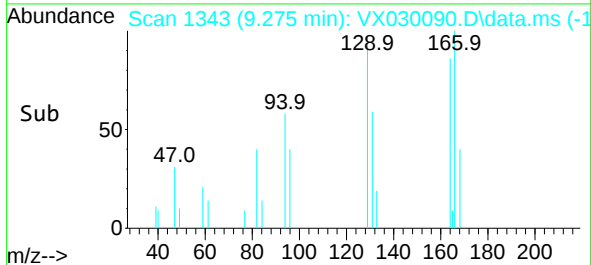
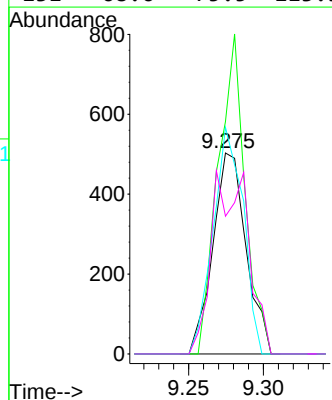
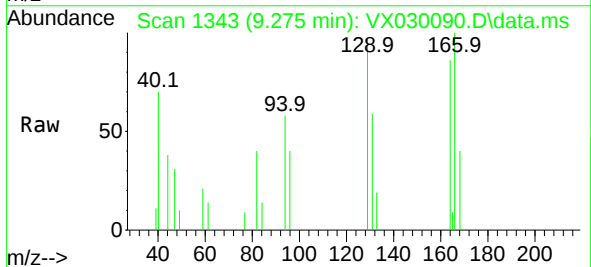
Instrument :
MSVOA_X
ClientSampleId :
TB01-20220711

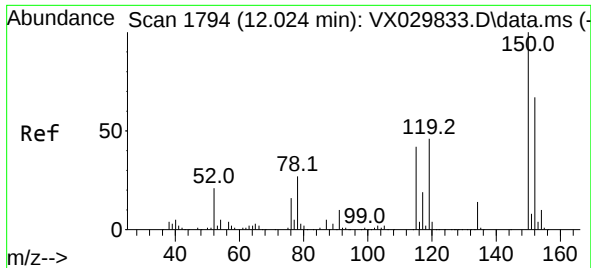
Tgt Ion:117 Resp: 254054
Ion Ratio Lower Upper
117 100
82 53.6 42.7 64.1
119 31.1 25.4 38.2



#64
Tetrachloroethene
Concen: 0.381 ug/l
RT: 9.275 min Scan# 1343
Delta R.T. -0.000 min
Lab File: VX030090.D
Acq: 15 Jul 2022 14:40

Tgt Ion:164 Resp: 777
Ion Ratio Lower Upper
164 100
166 115.7 98.2 147.4
129 112.7 80.8 121.2
131 68.6 75.5 113.3#

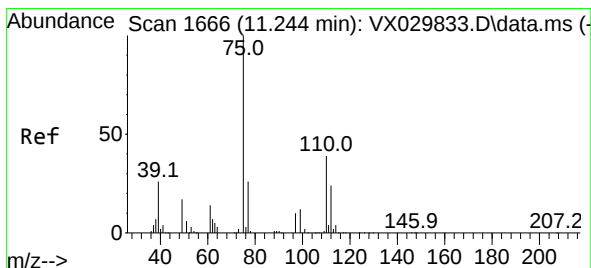
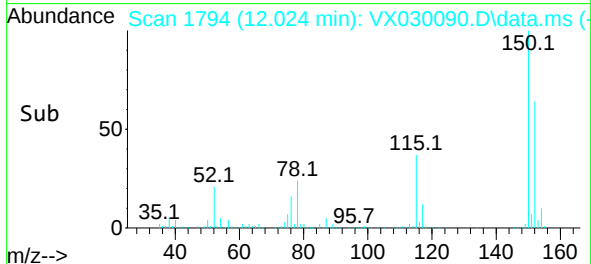
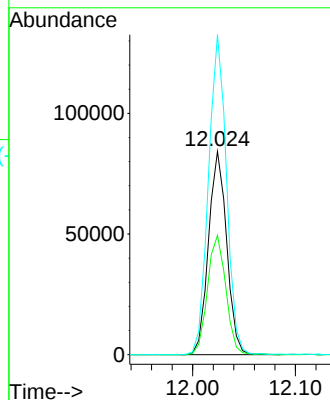
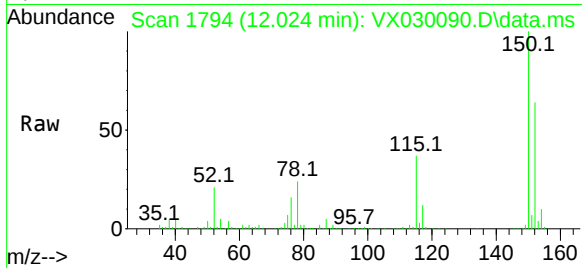




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.024 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: VX030090.D
 Acq: 15 Jul 2022 14:40

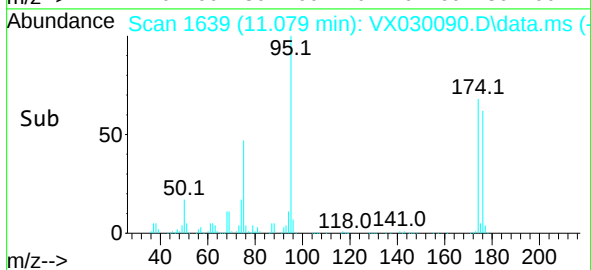
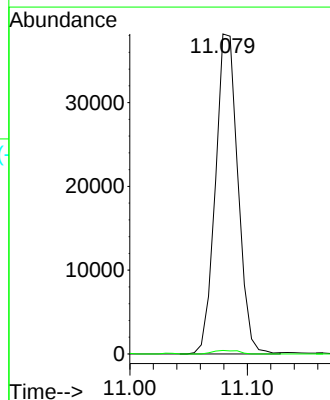
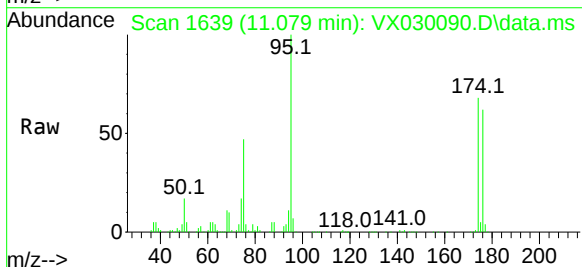
Instrument :
 MSVOA_X
 ClientSampleId :
 TB01-20220711

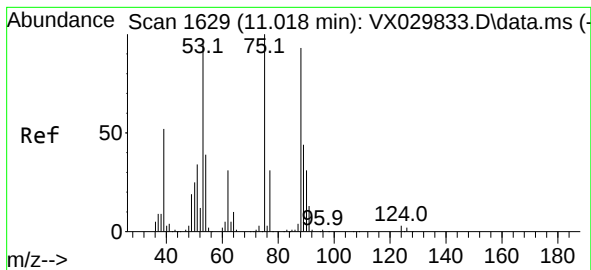
Tgt Ion:152 Resp: 103665
 Ion Ratio Lower Upper
 152 100
 115 59.1 40.5 121.5
 150 155.4 0.0 347.0



#76
 1,2,3-Trichloropropane
 Concen: 21.297 ug/l
 RT: 11.079 min Scan# 1639
 Delta R.T. -0.165 min
 Lab File: VX030090.D
 Acq: 15 Jul 2022 14:40

Tgt Ion: 75 Resp: 50761
 Ion Ratio Lower Upper
 75 100
 77 1.2 19.8 59.3#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 61.463 ug/l
 RT: 11.079 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX030090.D
 Acq: 15 Jul 2022 14:40

Instrument :
 MSVOA_X
 ClientSampleId :
 TB01-20220711

Tgt Ion: 75 Resp: 50761
 Ion Ratio Lower Upper
 75 100
 53 0.0 74.2 111.4#
 89 0.0 34.8 52.2#

