

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX072622\
 Data File : VX030215.D
 Acq On : 26 Jul 2022 17:13
 Operator : JC/MD
 Sample : N3876-08
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TB-07212022

Quant Time: Jul 26 18:14:23 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072522W.M
 Quant Title : SW846 8260
 QLast Update : Mon Jul 25 16:49:17 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.556	168	132823	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	233620	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	233225	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	129627	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	133380	49.961	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	99.920%
35) Dibromofluoromethane	5.391	113	105652	47.308	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	94.620%
50) Toluene-d8	8.653	98	389768	45.066	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	90.140%
62) 4-Bromofluorobenzene	11.085	95	135158	42.108	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	84.220%

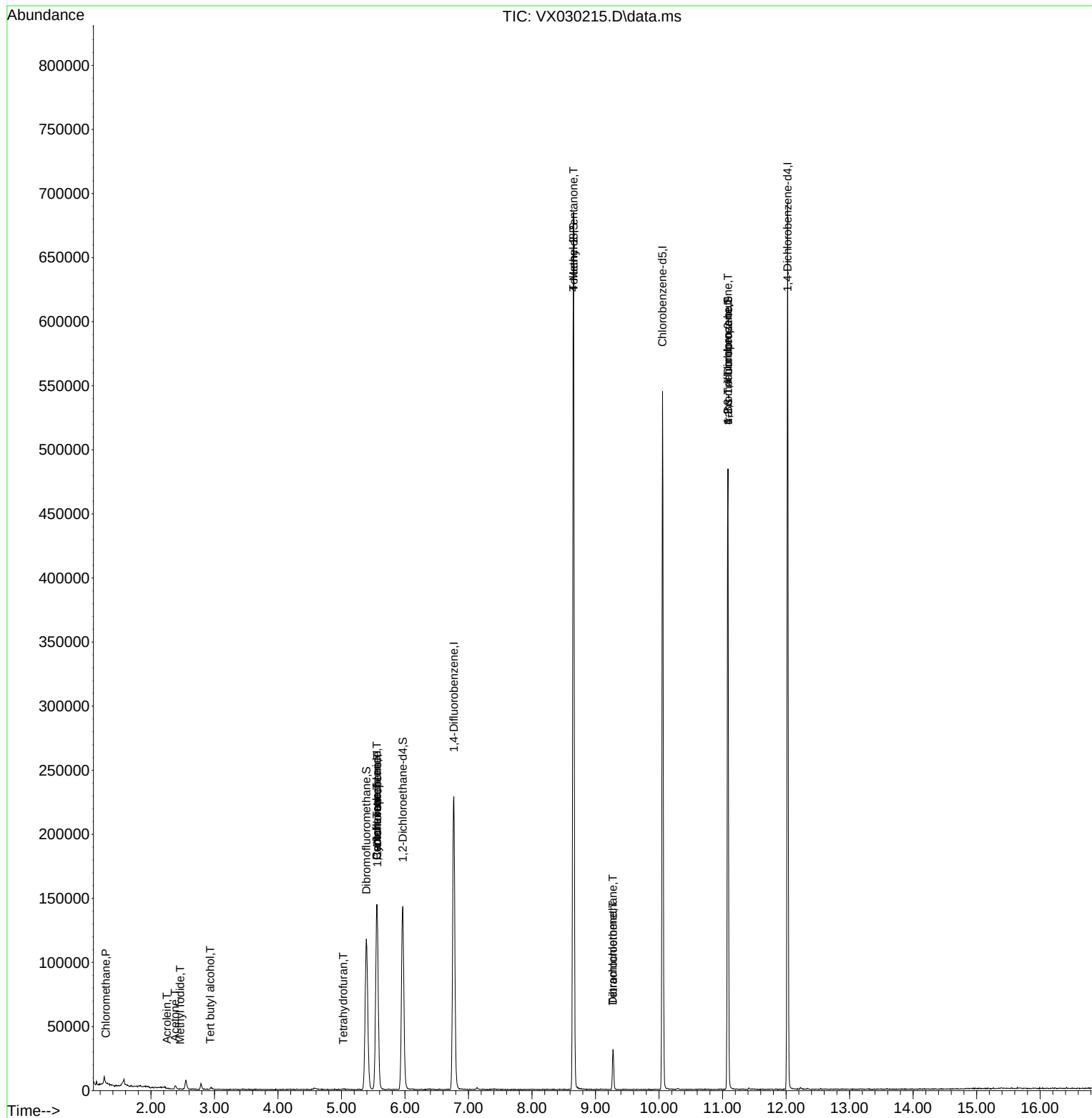
Target Compounds					Qvalue	
3) Chloromethane	1.288	50	432	0.200	ug/l #	42
5) Bromomethane	1.593	94	210	Below Cal	#	2
10) Methyl Iodide	2.459	142	246	1.640	ug/l #	45
11) Tert butyl alcohol	2.934	59	753	1.156	ug/l #	74
13) Acrolein	2.252	56	89	0.556	ug/l #	14
16) Acetone	2.380	43	3166	2.316	ug/l #	79
20) Methylene Chloride	2.788	84	1541	Below Cal	#	66
29) Tetrahydrofuran	5.025	42	311	0.201	ug/l #	32
31) Cyclohexane	5.556	56	3063	0.790	ug/l #	1
36) 1,1-Dichloropropene	5.562	75	11388	3.543	ug/l #	49
38) Carbon Tetrachloride	5.556	117	14039	4.679	ug/l #	18
51) 4-Methyl-2-Pentanone	8.653	43	2125	0.469	ug/l #	1
60) Dibromochloromethane	9.275	129	5762	2.370	ug/l #	11
64) Tetrachloroethene	9.275	164	5636	2.245	ug/l	89
67) Ethyl Benzene	10.195	91	260	Below Cal	#	43
76) 1,2,3-Trichloropropane	11.085	75	65308	19.113	ug/l #	37
81) trans-1,4-Dichloro-2-b...	11.085	75	65308	57.338	ug/l #	13

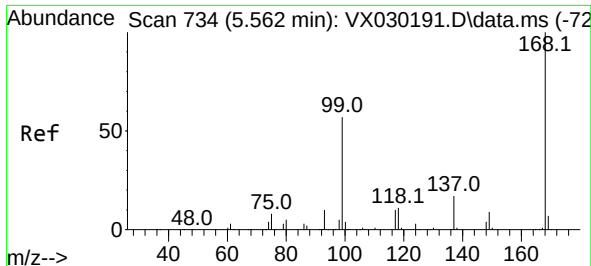
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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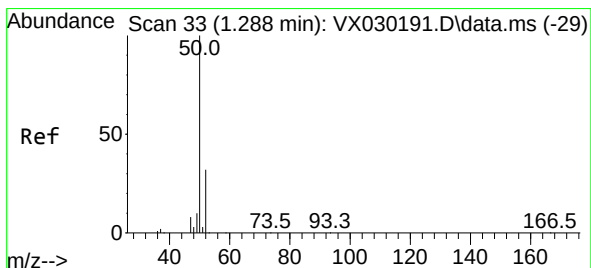
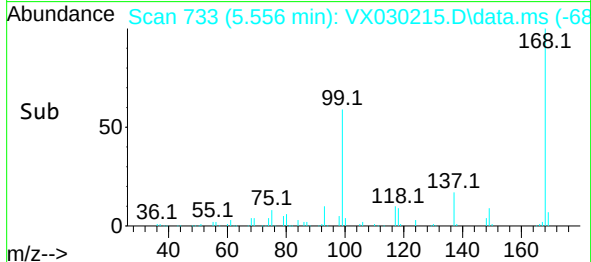
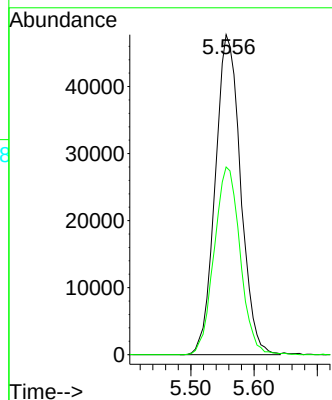
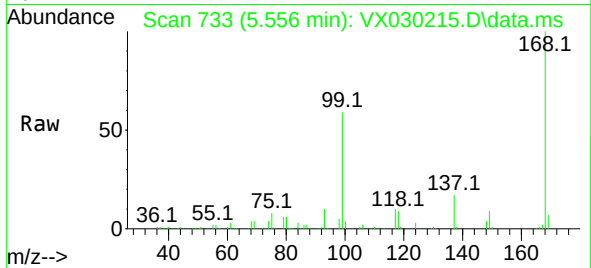




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX030215.D
Acq: 26 Jul 2022 17:13

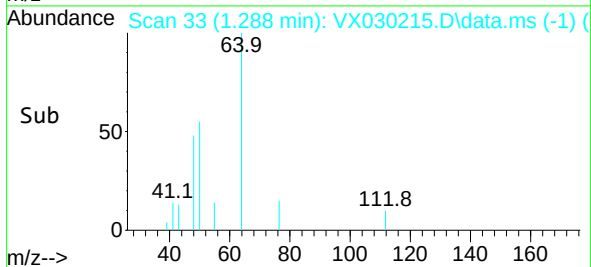
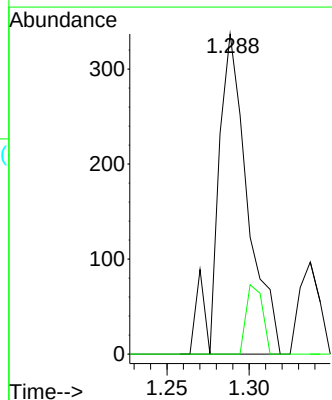
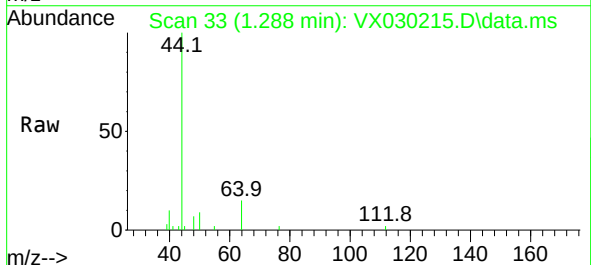
Instrument :
MSVOA_X
ClientSampleId :
TB-07212022

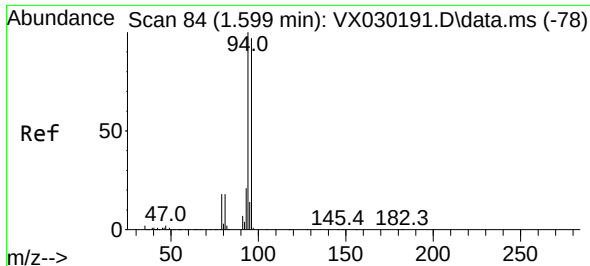
Tgt Ion:168 Resp: 132823
Ion Ratio Lower Upper
168 100
99 58.6 44.0 66.0



#3
Chloromethane
Concen: 0.200 ug/l
RT: 1.288 min Scan# 33
Delta R.T. 0.000 min
Lab File: VX030215.D
Acq: 26 Jul 2022 17:13

Tgt Ion: 50 Resp: 432
Ion Ratio Lower Upper
50 100
52 0.0 26.3 39.5#

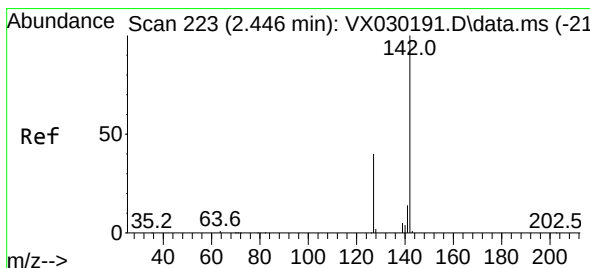
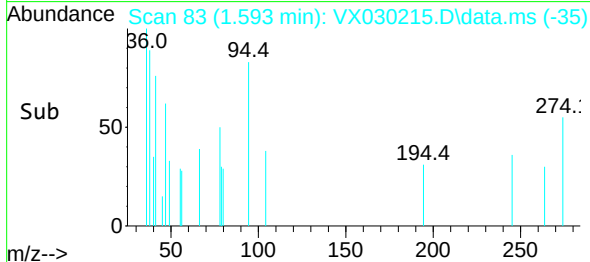
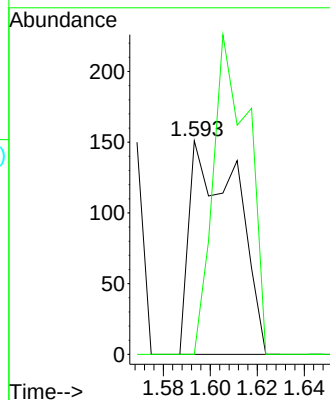
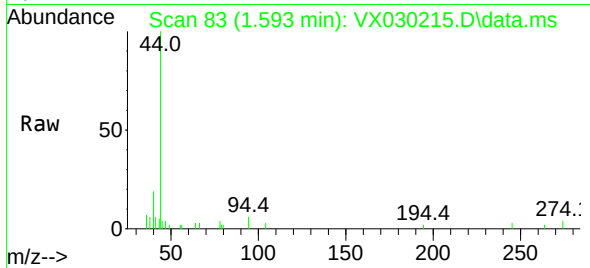




#5
Bromomethane
Concen: Below Cal
RT: 1.593 min Scan# 81
Delta R.T. -0.006 min
Lab File: VX030215.D
Acq: 26 Jul 2022 17:13

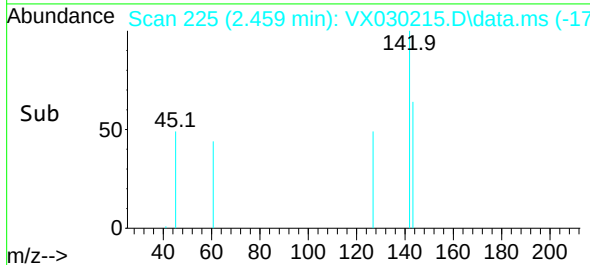
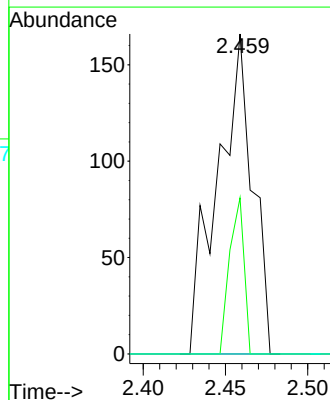
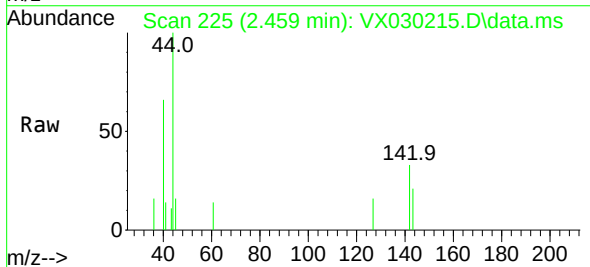
Instrument :
MSVOA_X
ClientSampleId :
TB-07212022

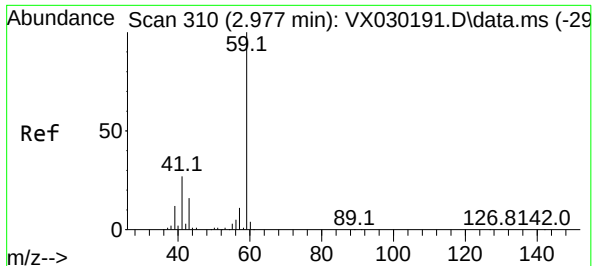
Tgt Ion: 94 Resp: 210
Ion Ratio Lower Upper
94 100
96 0.0 76.9 115.3#



#10
Methyl Iodide
Concen: 1.640 ug/l
RT: 2.459 min Scan# 225
Delta R.T. 0.013 min
Lab File: VX030215.D
Acq: 26 Jul 2022 17:13

Tgt Ion: 142 Resp: 246
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: 1.156 ug/l

RT: 2.934 min Scan# 30

Delta R.T. -0.043 min

Lab File: VX030215.D

Acq: 26 Jul 2022 17:13

Instrument :

MSVOA_X

ClientSampleId :

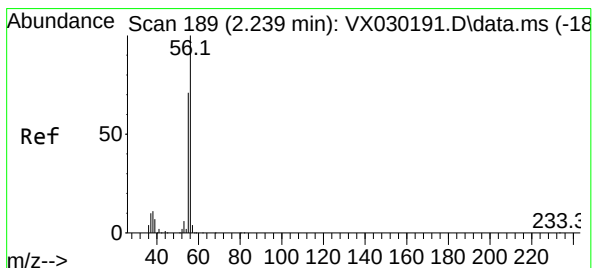
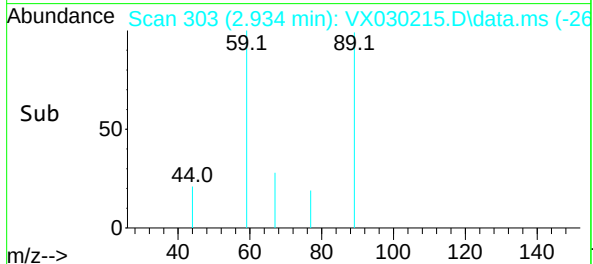
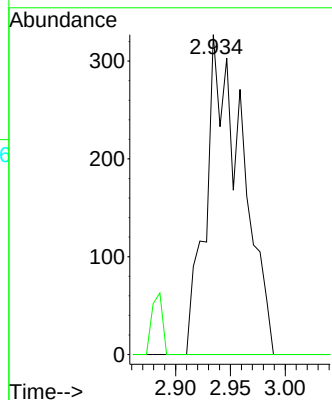
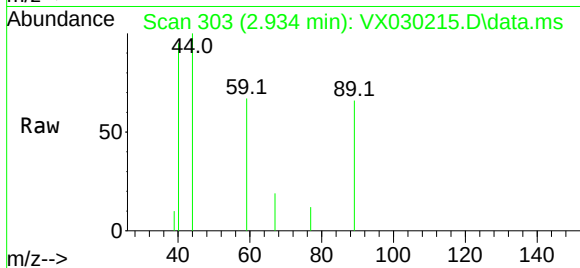
TB-07212022

Tgt Ion: 59 Resp: 753

Ion Ratio Lower Upper

59 100

57 0.0 7.4 11.2#



#13

Acrolein

Concen: 0.556 ug/l

RT: 2.252 min Scan# 191

Delta R.T. 0.013 min

Lab File: VX030215.D

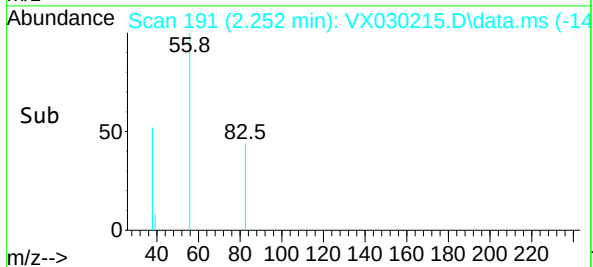
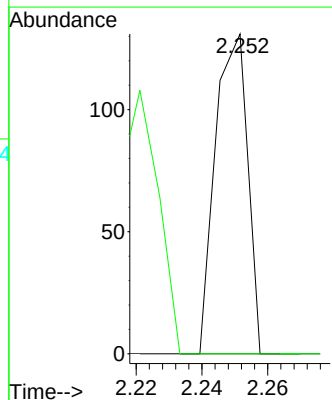
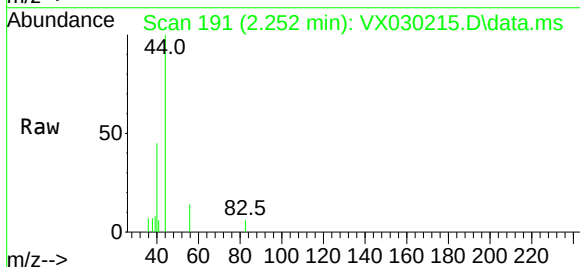
Acq: 26 Jul 2022 17:13

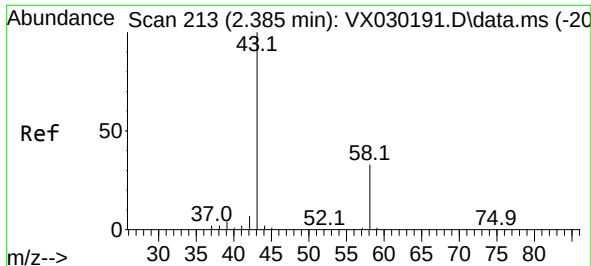
Tgt Ion: 56 Resp: 89

Ion Ratio Lower Upper

56 100

55 0.0 56.6 84.8#

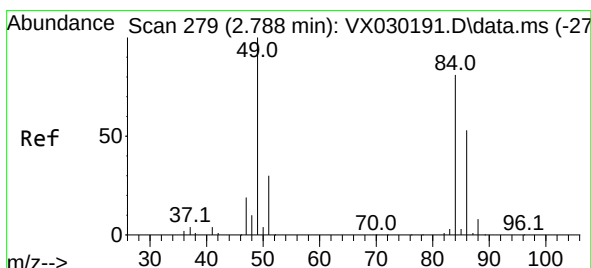
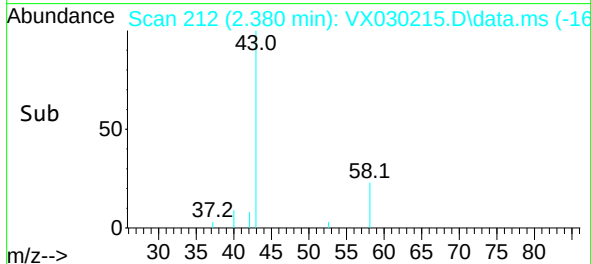
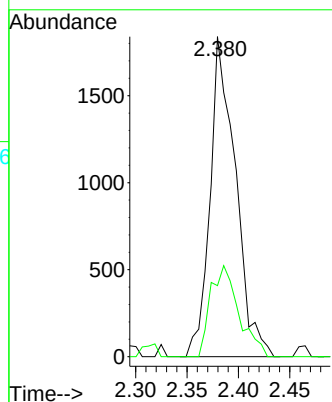
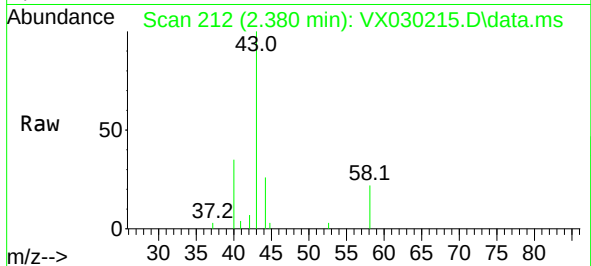




#16
Acetone
Concen: 2.316 ug/l
RT: 2.380 min Scan# 213
Delta R.T. -0.005 min
Lab File: VX030215.D
Acq: 26 Jul 2022 17:13

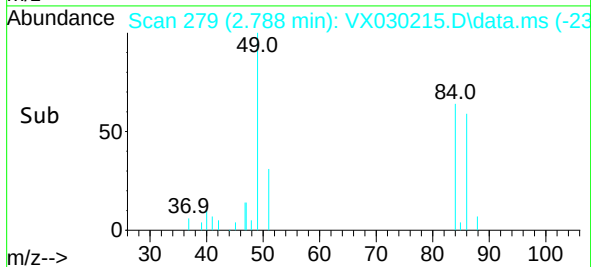
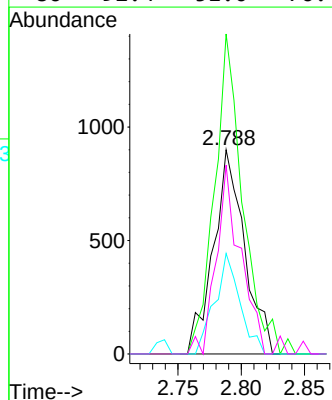
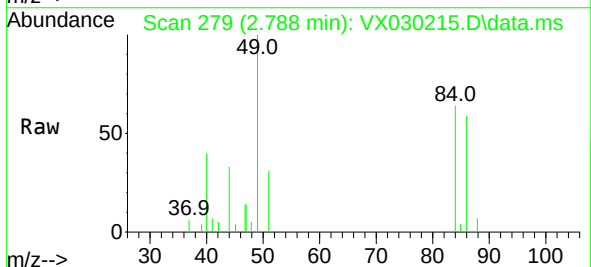
Instrument :
MSVOA_X
ClientSampleId :
TB-07212022

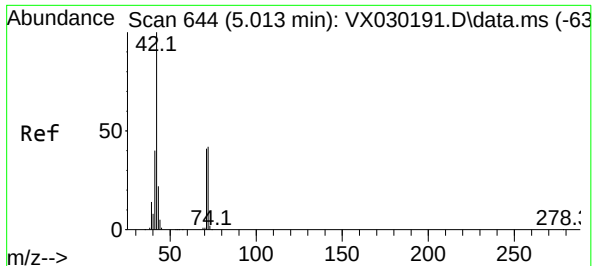
Tgt Ion: 43 Resp: 3166
Ion Ratio Lower Upper
43 100
58 22.2 27.7 41.5#



#20
Methylene Chloride
Concen: Below Cal
RT: 2.788 min Scan# 279
Delta R.T. 0.000 min
Lab File: VX030215.D
Acq: 26 Jul 2022 17:13

Tgt Ion: 84 Resp: 1541
Ion Ratio Lower Upper
84 100
49 156.7 93.8 140.6#
51 49.2 29.4 44.0#
86 92.4 51.0 76.4#





#29

Tetrahydrofuran

Concen: 0.201 ug/l

RT: 5.025 min Scan# 64

Delta R.T. 0.012 min

Lab File: VX030215.D

Acq: 26 Jul 2022 17:13

Instrument :

MSVOA_X

ClientSampleId :

TB-07212022

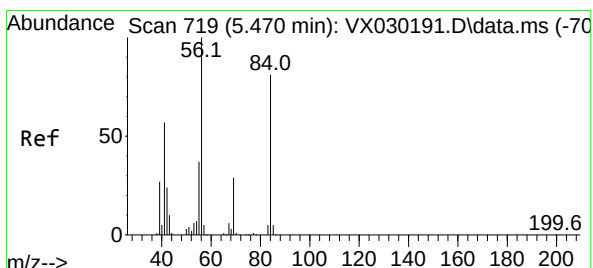
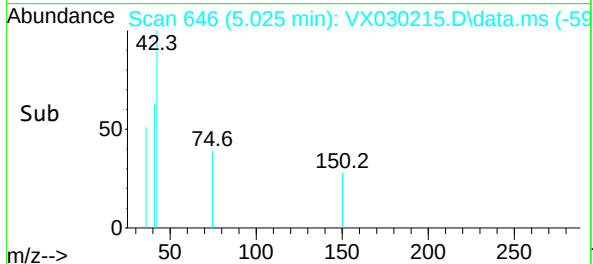
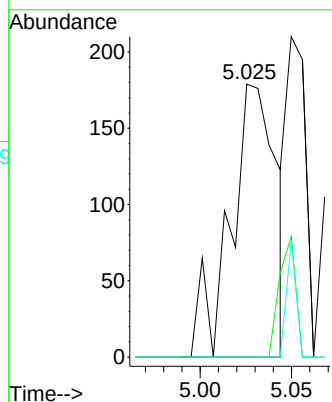
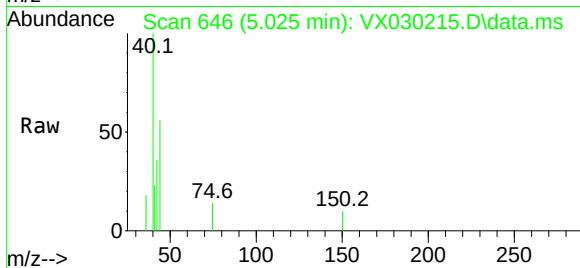
Tgt Ion: 42 Resp: 311

Ion Ratio Lower Upper

42 100

72 0.0 36.5 54.7#

71 0.0 33.9 50.9#



#31

Cyclohexane

Concen: 0.790 ug/l

RT: 5.556 min Scan# 733

Delta R.T. 0.086 min

Lab File: VX030215.D

Acq: 26 Jul 2022 17:13

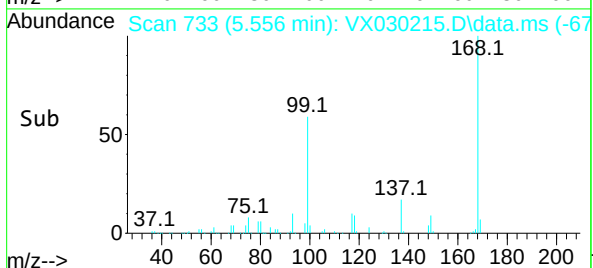
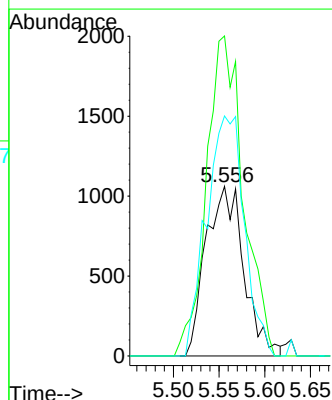
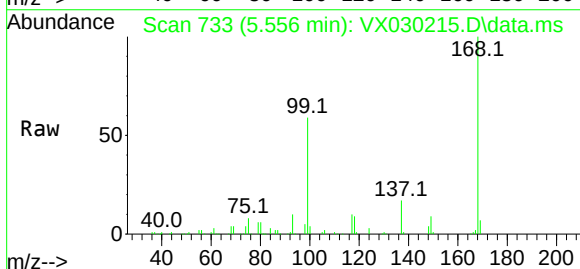
Tgt Ion: 56 Resp: 3063

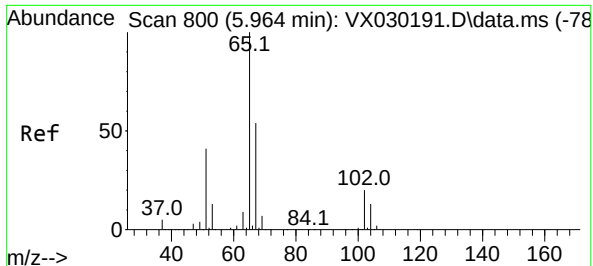
Ion Ratio Lower Upper

56 100

69 188.7 25.4 38.0#

84 141.6 68.9 103.3#





#33

1,2-Dichloroethane-d4

Concen: 49.961 ug/l

RT: 5.964 min Scan# 800

Delta R.T. 0.000 min

Lab File: VX030215.D

Acq: 26 Jul 2022 17:13

Instrument :

MSVOA_X

ClientSampleId :

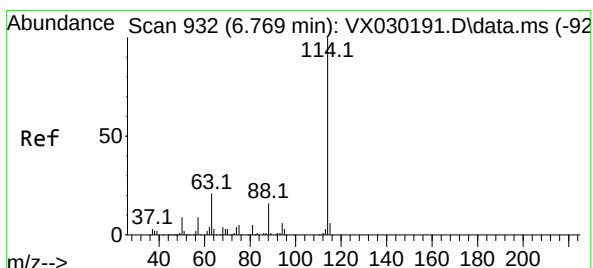
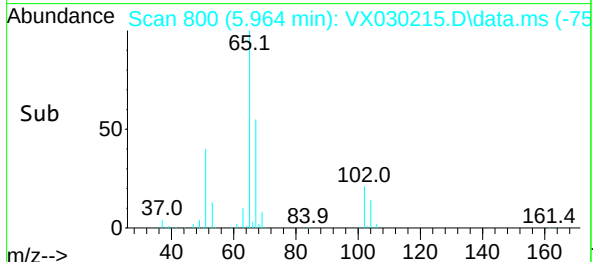
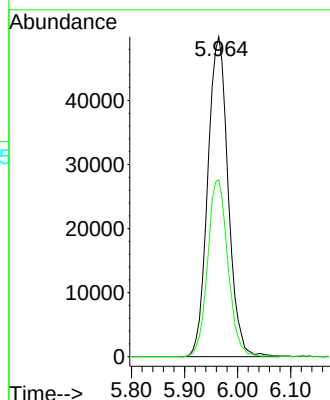
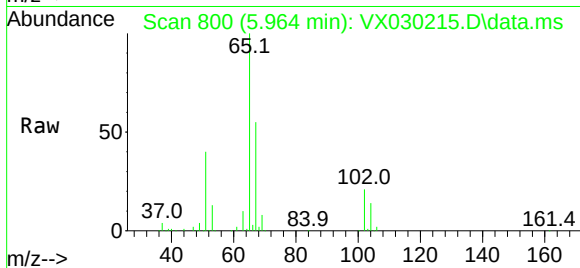
TB-07212022

Tgt Ion: 65 Resp: 133380

Ion Ratio Lower Upper

65 100

67 55.0 0.0 109.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.769 min Scan# 932

Delta R.T. 0.000 min

Lab File: VX030215.D

Acq: 26 Jul 2022 17:13

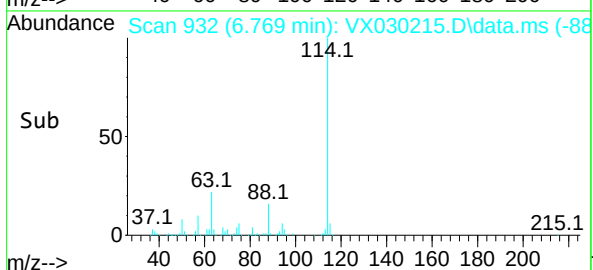
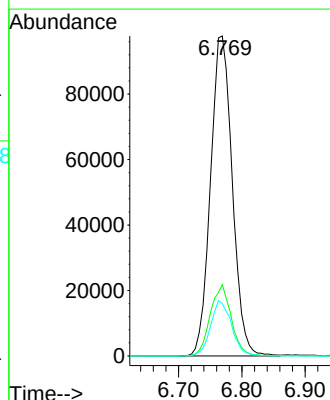
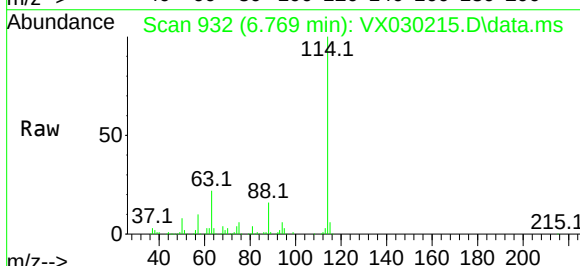
Tgt Ion: 114 Resp: 233620

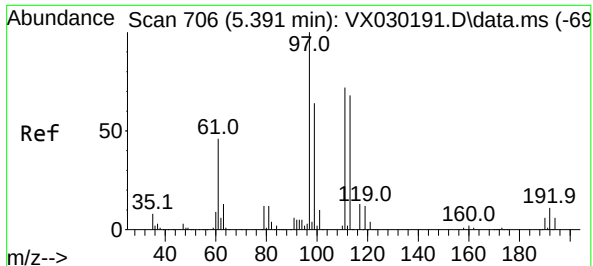
Ion Ratio Lower Upper

114 100

63 22.3 0.0 38.4

88 16.3 0.0 31.8

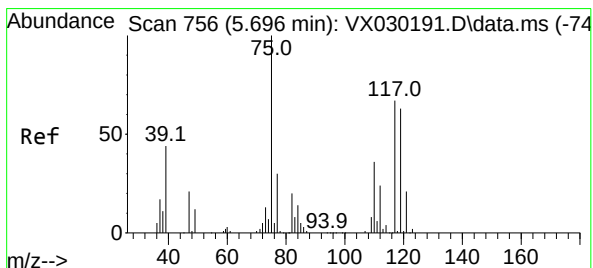
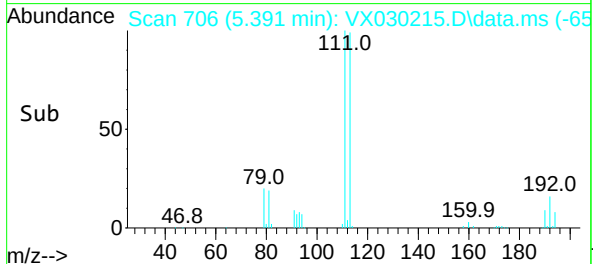
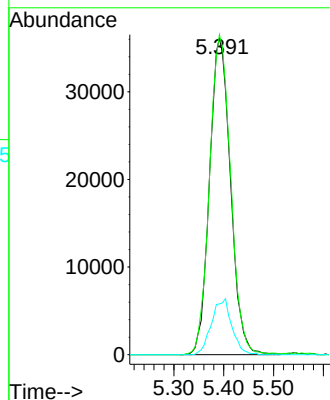
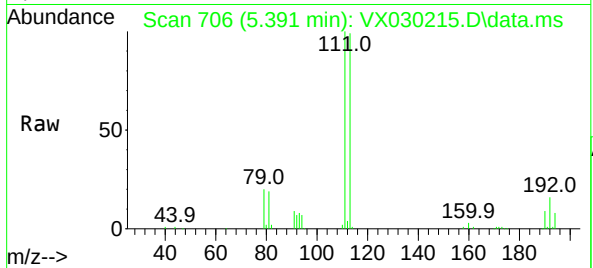




#35
Dibromofluoromethane
Concen: 47.308 ug/l
RT: 5.391 min Scan# 706
Delta R.T. 0.000 min
Lab File: VX030215.D
Acq: 26 Jul 2022 17:13

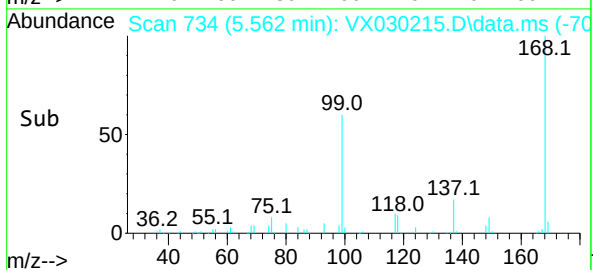
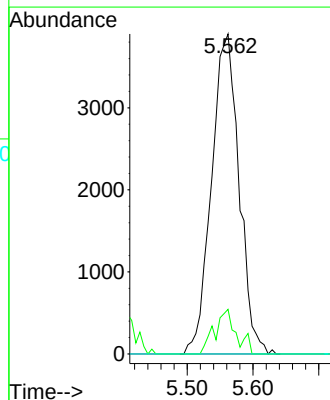
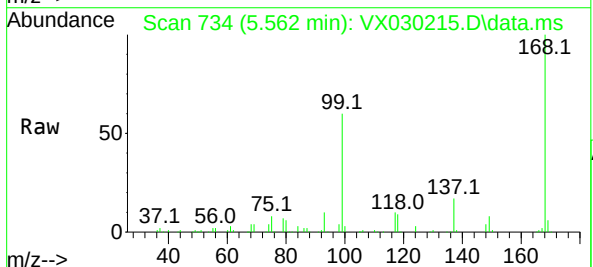
Instrument :
MSVOA_X
ClientSampleId :
TB-07212022

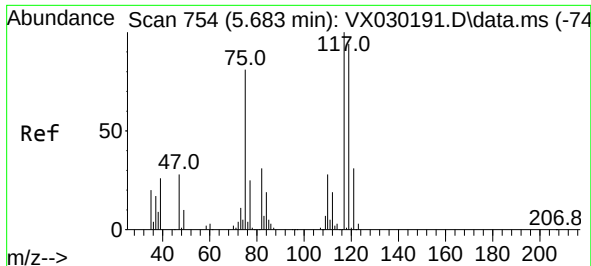
Tgt Ion:113 Resp: 105652
Ion Ratio Lower Upper
113 100
111 101.7 83.2 124.8
192 17.0 14.8 22.2



#36
1,1-Dichloropropene
Concen: 3.543 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.134 min
Lab File: VX030215.D
Acq: 26 Jul 2022 17:13

Tgt Ion: 75 Resp: 11388
Ion Ratio Lower Upper
75 100
110 9.4 19.3 57.9#
77 0.0 24.4 36.6#

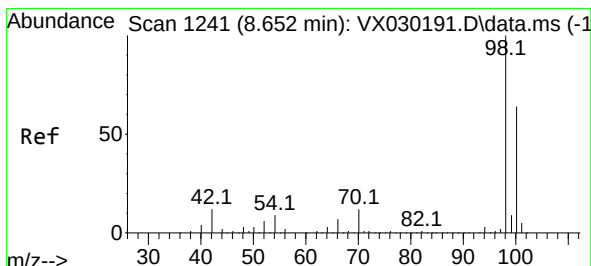
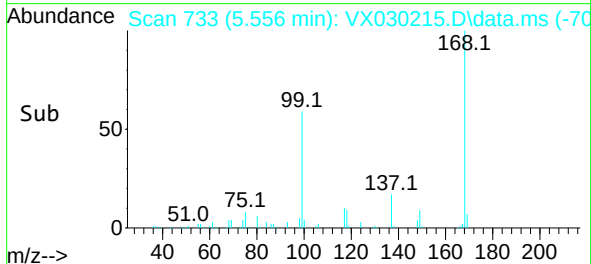
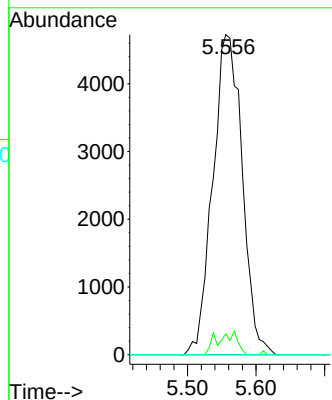
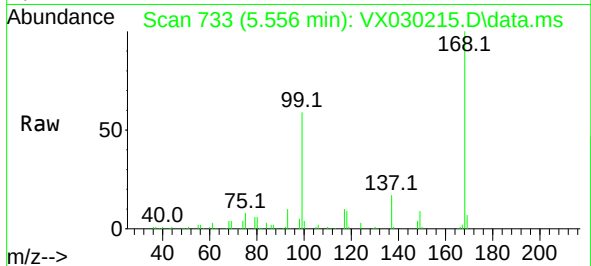




#38
Carbon Tetrachloride
Concen: 4.679 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.127 min
Lab File: VX030215.D
Acq: 26 Jul 2022 17:13

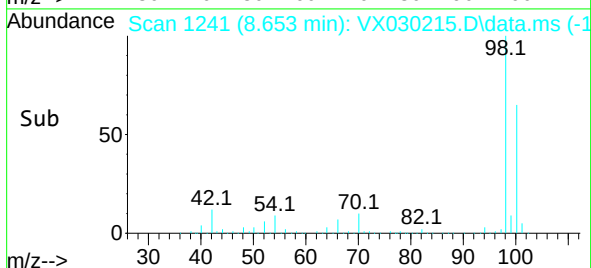
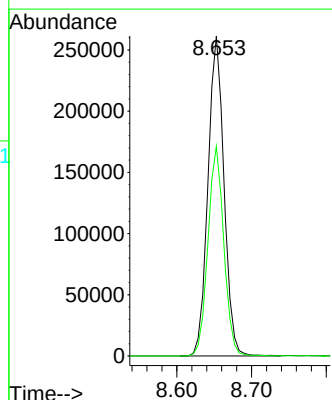
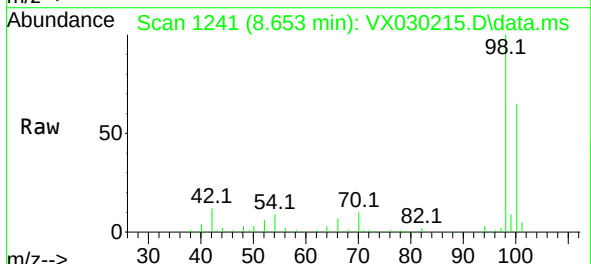
Instrument :
MSVOA_X
ClientSampleId :
TB-07212022

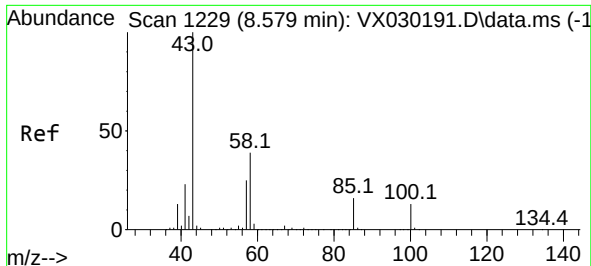
Tgt Ion:117 Resp: 14039
Ion Ratio Lower Upper
117 100
119 6.5 74.1 111.1#
121 0.0 25.8 38.8#



#50
Toluene-d8
Concen: 45.066 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. 0.001 min
Lab File: VX030215.D
Acq: 26 Jul 2022 17:13

Tgt Ion: 98 Resp: 389768
Ion Ratio Lower Upper
98 100
100 64.8 52.3 78.5

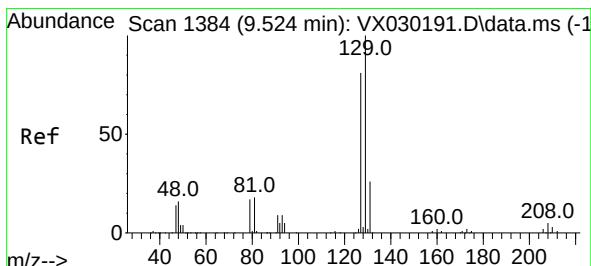
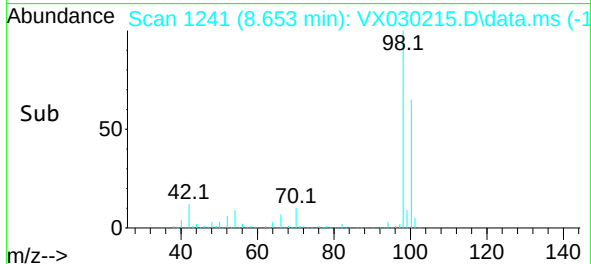
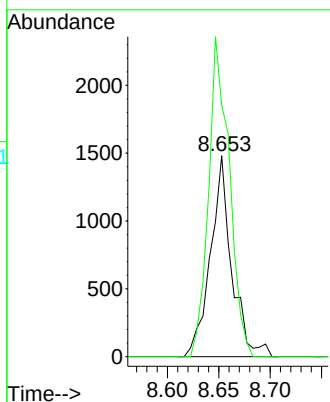
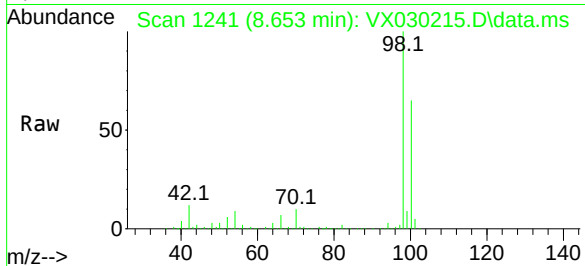




#51
4-Methyl-2-Pentanone
Concen: 0.469 ug/l
RT: 8.653 min Scan# 11
Delta R.T. 0.074 min
Lab File: VX030215.D
Acq: 26 Jul 2022 17:13

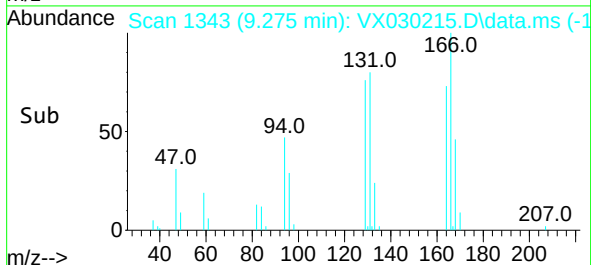
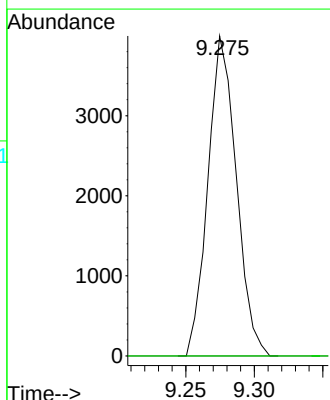
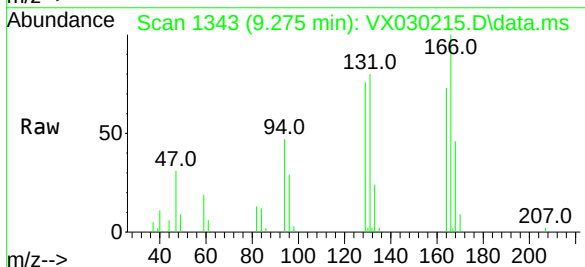
Instrument :
MSVOA_X
ClientSampleId :
TB-07212022

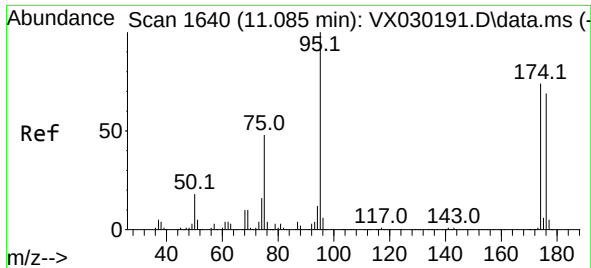
Tgt Ion: 43 Resp: 2125
Ion Ratio Lower Upper
43 100
58 155.9 31.4 47.2#



#60
Dibromochloromethane
Concen: 2.370 ug/l
RT: 9.275 min Scan# 1343
Delta R.T. -0.249 min
Lab File: VX030215.D
Acq: 26 Jul 2022 17:13

Tgt Ion: 129 Resp: 5762
Ion Ratio Lower Upper
129 100
127 0.0 38.5 115.5#

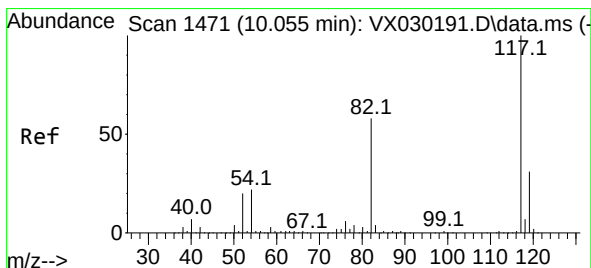
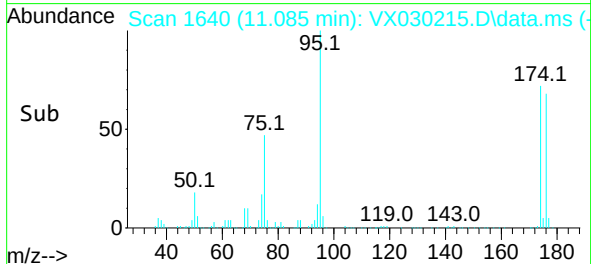
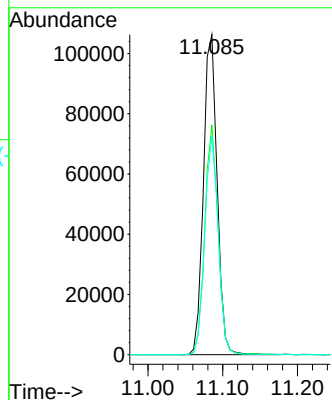
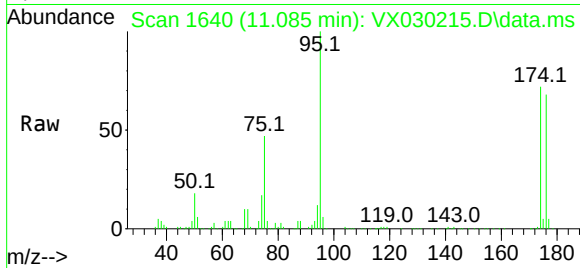




#62
4-Bromofluorobenzene
Concen: 42.108 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.000 min
Lab File: VX030215.D
Acq: 26 Jul 2022 17:13

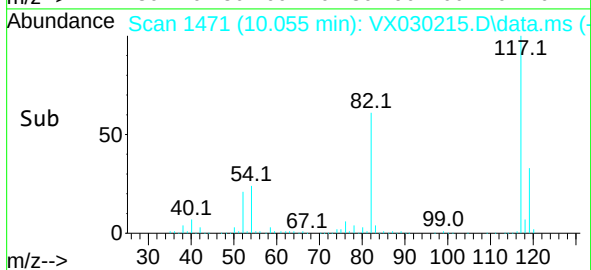
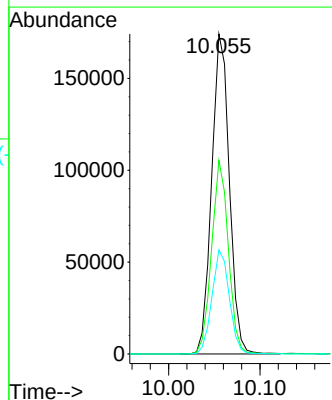
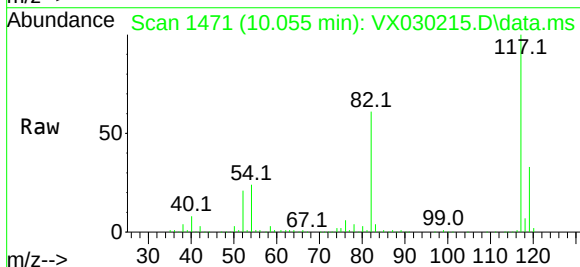
Instrument :
MSVOA_X
ClientSampleId :
TB-07212022

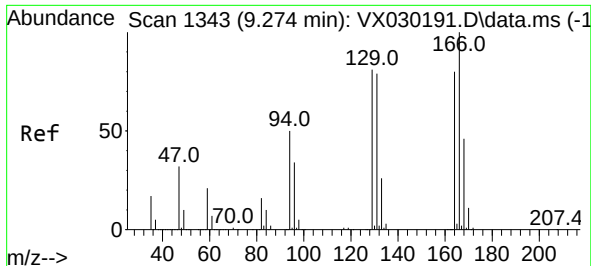
Tgt Ion: 95 Resp: 135158
Ion Ratio Lower Upper
95 100
174 69.8 0.0 149.0
176 67.2 0.0 146.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX030215.D
Acq: 26 Jul 2022 17:13

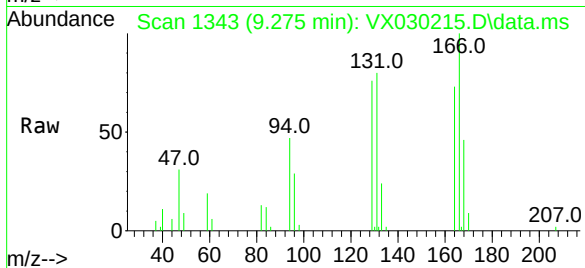
Tgt Ion: 117 Resp: 233225
Ion Ratio Lower Upper
117 100
82 60.5 42.7 64.1
119 32.5 25.4 38.2



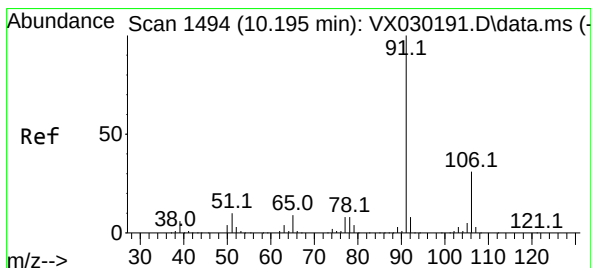
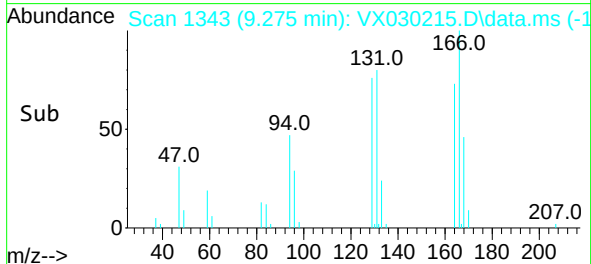
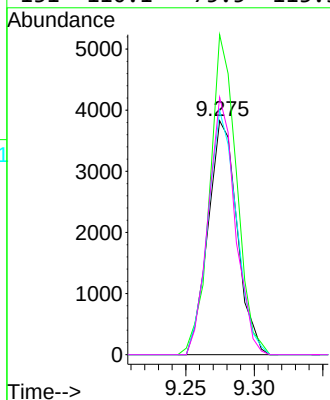


#64
Tetrachloroethene
Concen: 2.245 ug/l
RT: 9.275 min Scan# 11
Delta R.T. 0.001 min
Lab File: VX030215.D
Acq: 26 Jul 2022 17:13

Instrument :
MSVOA_X
ClientSampleId :
TB-07212022

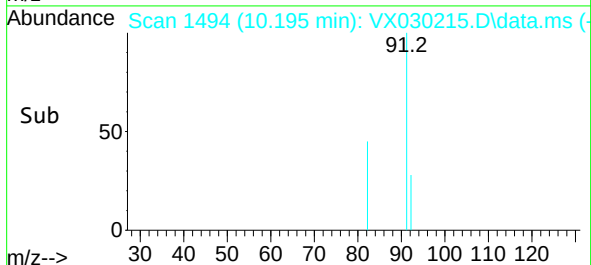
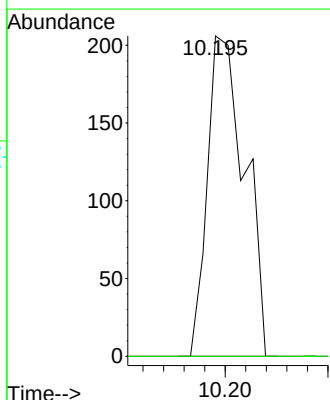
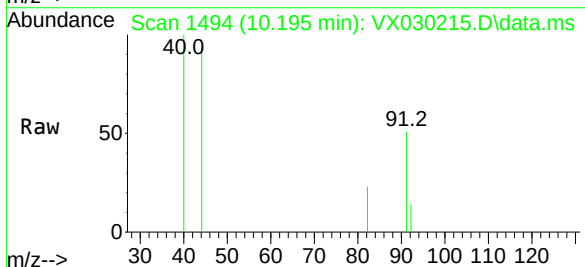


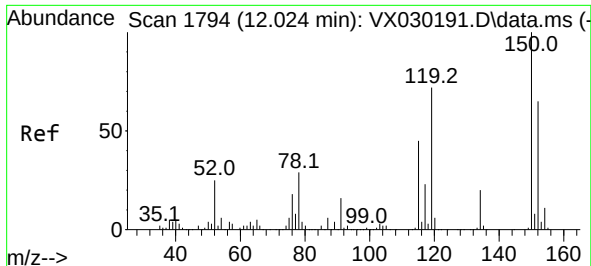
Tgt Ion:	164	Resp:	5636
Ion	Ratio	Lower	Upper
164	100		
166	136.8	98.2	147.4
129	104.4	80.8	121.2
131	110.1	75.5	113.3



#67
Ethyl Benzene
Concen: Below Cal
RT: 10.195 min Scan# 1494
Delta R.T. 0.000 min
Lab File: VX030215.D
Acq: 26 Jul 2022 17:13

Tgt Ion:	91	Resp:	260
Ion	Ratio	Lower	Upper
91	100		
106	0.0	25.5	38.3#

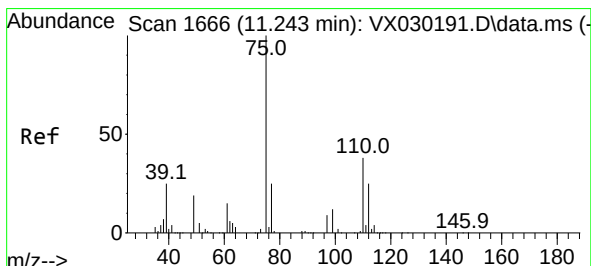
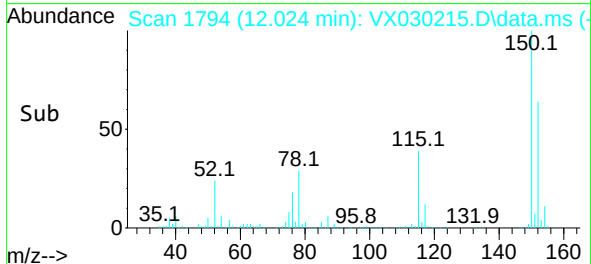
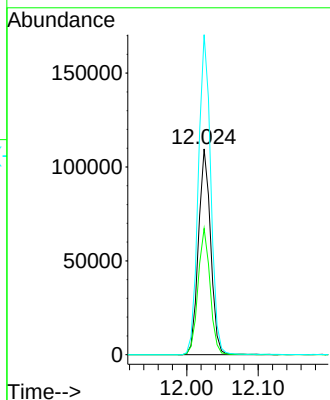
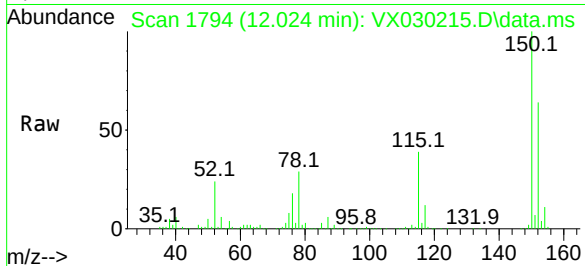




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.024 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: VX030215.D
 Acq: 26 Jul 2022 17:13

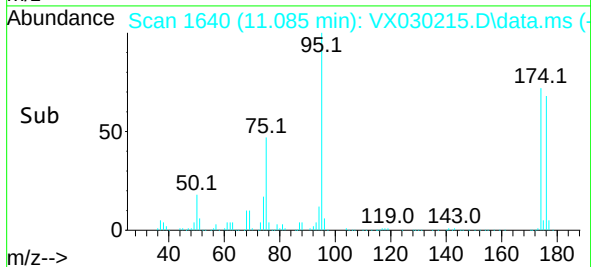
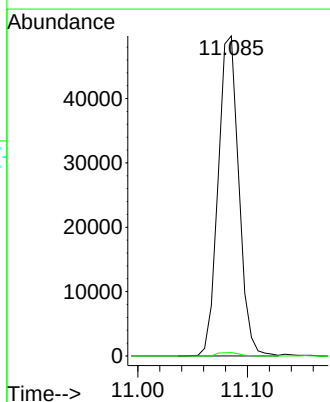
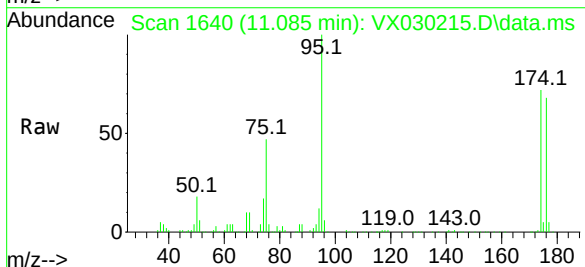
Instrument :
 MSVOA_X
 ClientSampleId :
 TB-07212022

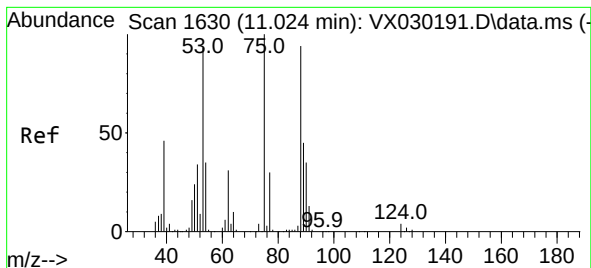
Tgt Ion:152 Resp: 129627
 Ion Ratio Lower Upper
 152 100
 115 60.6 40.5 121.5
 150 158.4 0.0 347.0



#76
 1,2,3-Trichloropropane
 Concen: 19.113 ug/l
 RT: 11.085 min Scan# 1640
 Delta R.T. -0.158 min
 Lab File: VX030215.D
 Acq: 26 Jul 2022 17:13

Tgt Ion: 75 Resp: 65308
 Ion Ratio Lower Upper
 75 100
 77 1.1 19.8 59.3#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 57.338 ug/l
 RT: 11.085 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX030215.D
 Acq: 26 Jul 2022 17:13

Instrument :
 MSVOA_X
 ClientSampleId :
 TB-07212022

Tgt Ion: 75 Resp: 65308
 Ion Ratio Lower Upper
 75 100
 53 0.2 74.2 111.4#
 89 0.0 34.8 52.2#

