

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX101922\
 Data File : VX032230.D
 Acq On : 20 Oct 2022 00:42
 Operator : JC/MD
 Sample : N5164-01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 588A-1

Quant Time: Oct 20 05:23:13 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X101922W.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 19 16:51:09 2022
 Response via : Initial Calibration

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

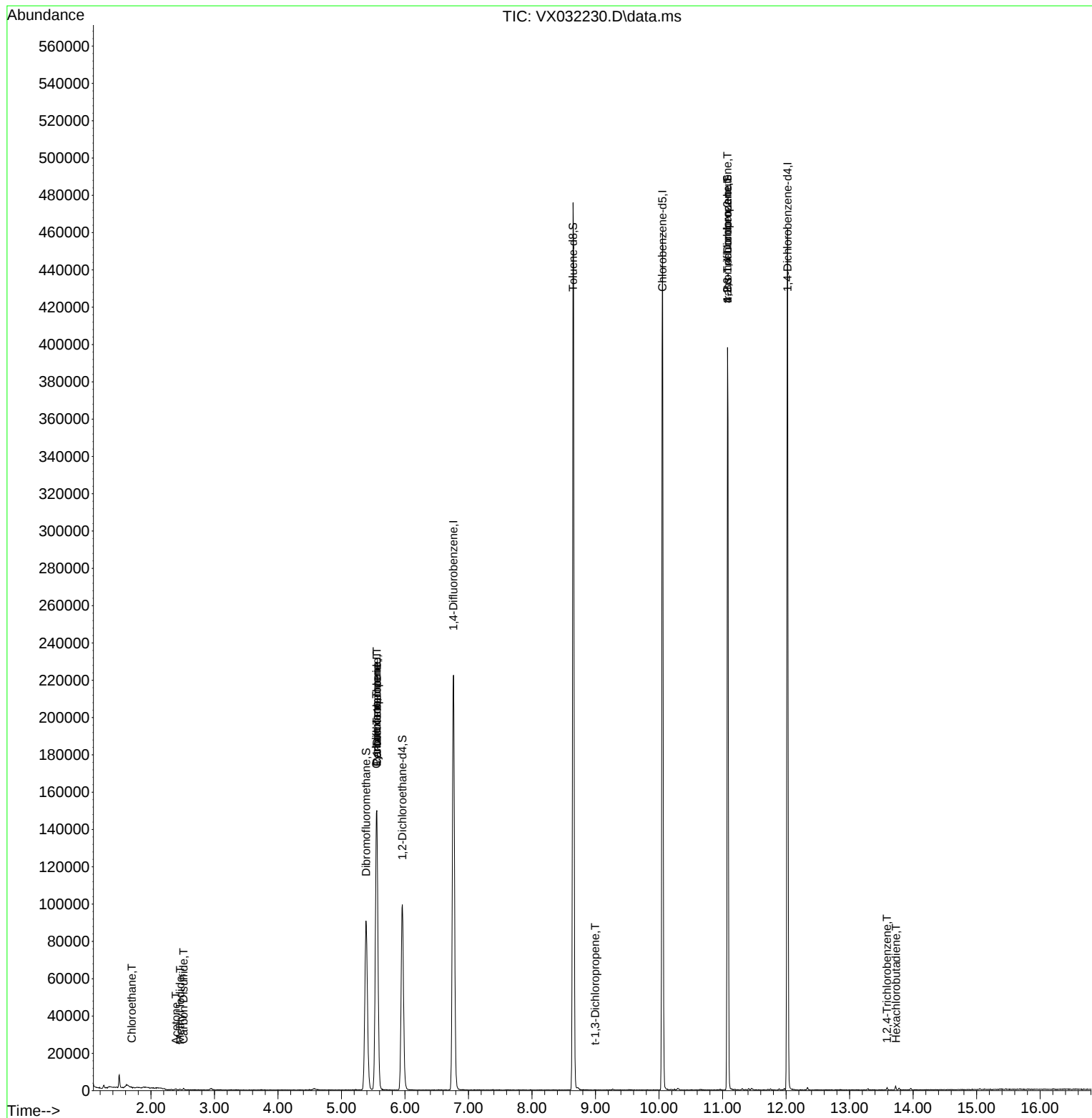
Internal Standards						
1) Pentafluorobenzene	5.556	168	140473	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	227911	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	199981	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	93973	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	99725	54.572	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 109.140%			
35) Dibromofluoromethane	5.385	113	76616	48.309	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 96.620%			
50) Toluene-d8	8.647	98	281586	49.324	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 98.640%			
62) 4-Bromofluorobenzene	11.079	95	101102	48.362	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 96.720%			
Target Compounds						Qvalue
3) Chloromethane	1.295	50	118	Below Cal	#	44
6) Chloroethane	1.697	64	181	2.078	ug/l #	41
10) Methyl Iodide	2.459	142	402	0.209	ug/l #	76
11) Tert butyl alcohol	2.953	59	842	Below Cal	#	74
16) Acetone	2.392	43	706	1.190	ug/l	95
17) Carbon Disulfide	2.514	76	944	0.322	ug/l	95
31) Cyclohexane	5.550	56	3182	1.523	ug/l #	38
36) 1,1-Dichloropropene	5.556	75	11060	5.421	ug/l #	50
38) Carbon Tetrachloride	5.556	117	14962	6.947	ug/l #	17
53) t-1,3-Dichloropropene	8.994	75	57	1.842	ug/l #	43
76) 1,2,3-Trichloropropane	11.079	75	55222	29.657	ug/l #	44
81) trans-1,4-Dichloro-2-b...	11.079	75	55222	90.788	ug/l #	6
93) 1,2,4-Trichlorobenzene	13.591	180	410	0.203	ug/l #	88
94) Hexachlorobutadiene	13.731	225	416	0.474	ug/l	89

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

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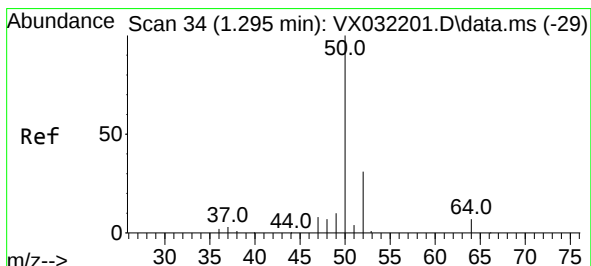
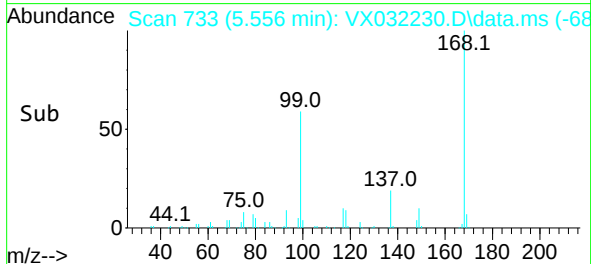
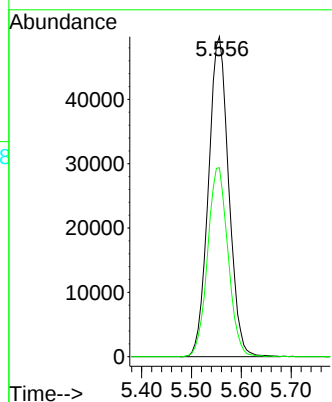
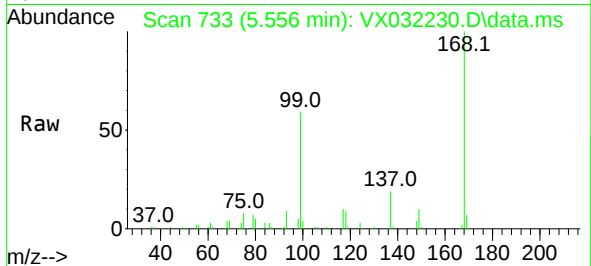




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX032230.D
Acq: 20 Oct 2022 00:42

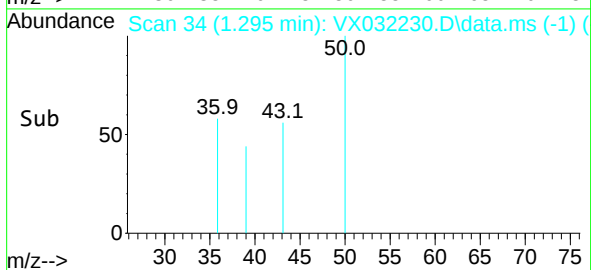
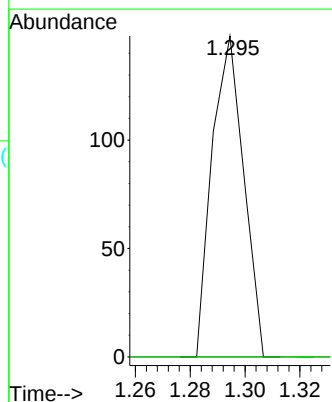
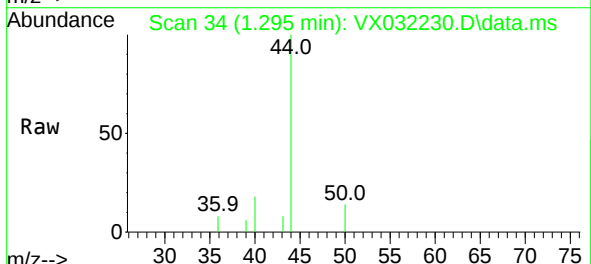
Instrument :
MSVOA_X
ClientSampleId :
588A-1

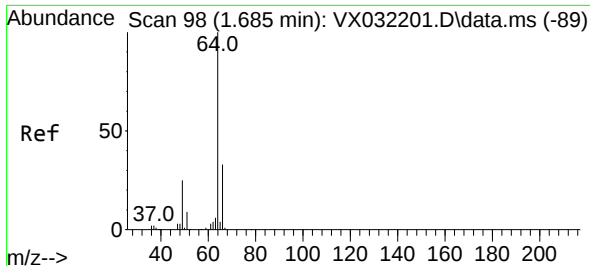
Tgt Ion:168 Resp: 140473
Ion Ratio Lower Upper
168 100
99 59.0 44.8 67.2



#3
Chloromethane
Concen: Below Cal
RT: 1.295 min Scan# 34
Delta R.T. -0.000 min
Lab File: VX032230.D
Acq: 20 Oct 2022 00:42

Tgt Ion: 50 Resp: 118
Ion Ratio Lower Upper
50 100
52 0.0 24.7 37.1#

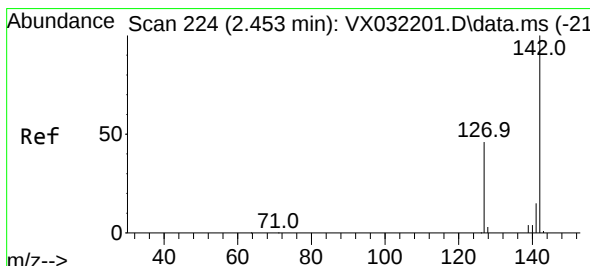
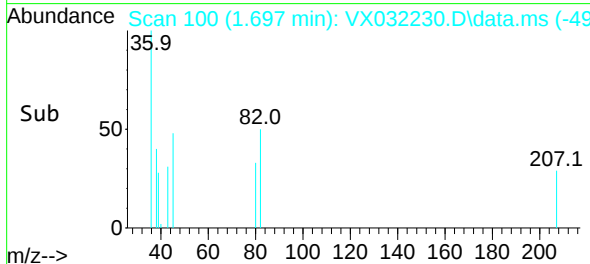
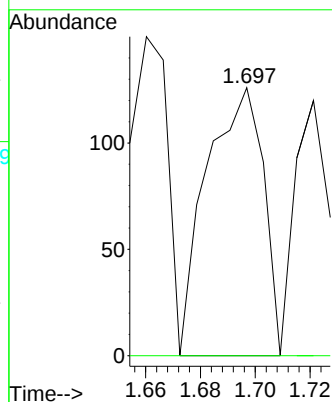
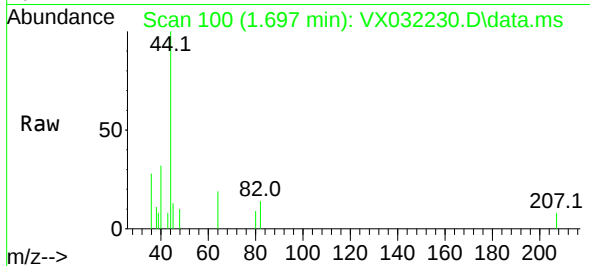




#6
Chloroethane
Concen: 2.078 ug/l
RT: 1.697 min Scan# 100
Delta R.T. 0.012 min
Lab File: VX032230.D
Acq: 20 Oct 2022 00:42

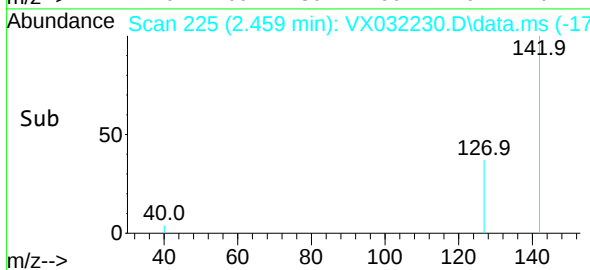
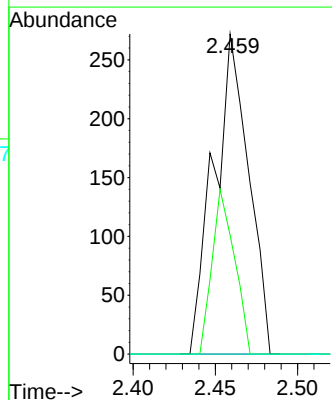
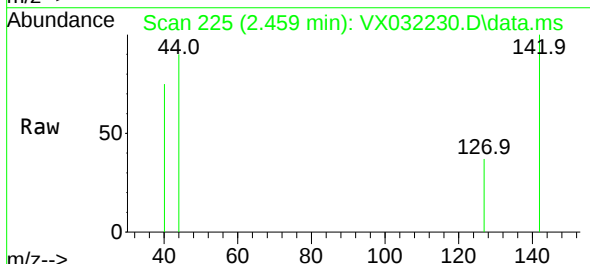
Instrument :
MSVOA_X
ClientSampleId :
588A-1

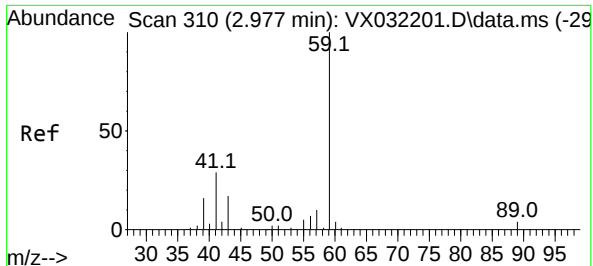
Tgt Ion: 64 Resp: 181
Ion Ratio Lower Upper
64 100
66 0.0 26.6 39.8#



#10
Methyl Iodide
Concen: 0.209 ug/l
RT: 2.459 min Scan# 225
Delta R.T. 0.006 min
Lab File: VX032230.D
Acq: 20 Oct 2022 00:42

Tgt Ion: 142 Resp: 402
Ion Ratio Lower Upper
142 100
127 32.8 36.9 55.3#
141 0.0 11.4 17.2#





#11

Tert butyl alcohol

Concen: Below Cal

RT: 2.953 min Scan# 30

Delta R.T. -0.024 min

Lab File: VX032230.D

Acq: 20 Oct 2022 00:42

Instrument :

MSVOA_X

ClientSampleId :

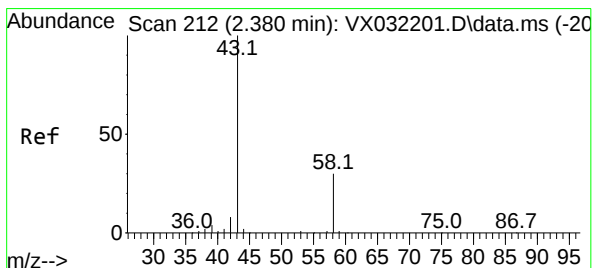
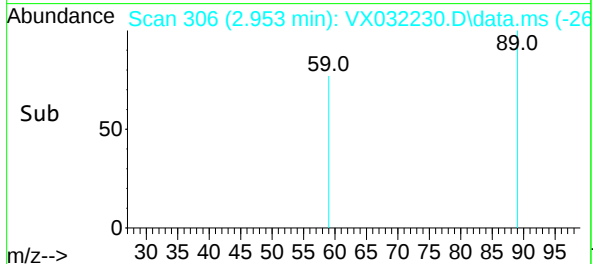
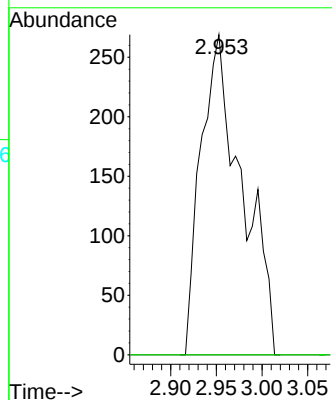
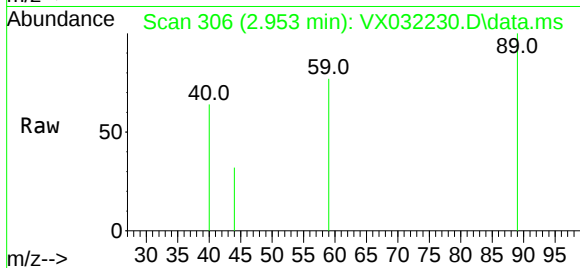
588A-1

Tgt Ion: 59 Resp: 842

Ion Ratio Lower Upper

59 100

57 0.0 7.5 11.3#



#16

Acetone

Concen: 1.190 ug/l

RT: 2.392 min Scan# 214

Delta R.T. 0.012 min

Lab File: VX032230.D

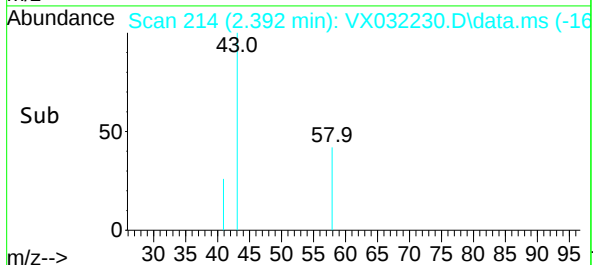
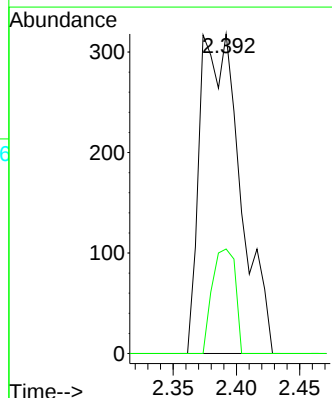
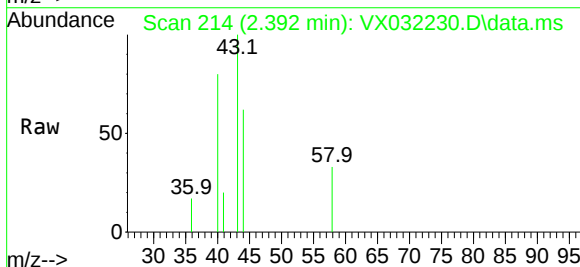
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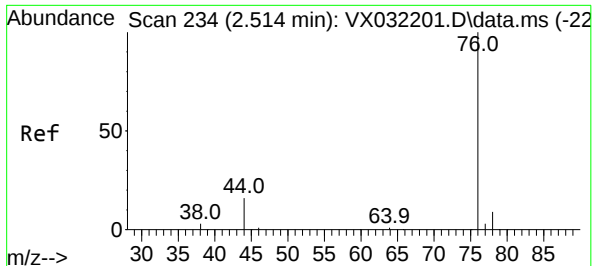
Tgt Ion: 43 Resp: 706

Ion Ratio Lower Upper

43 100

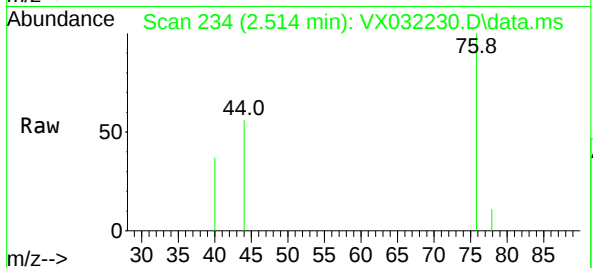
58 32.7 24.2 36.2



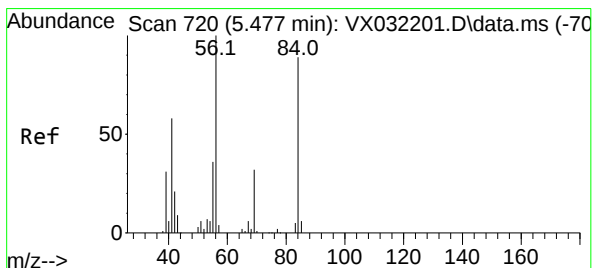
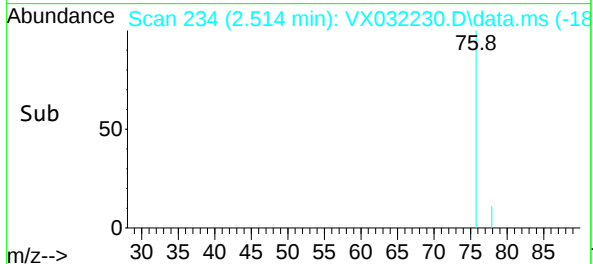
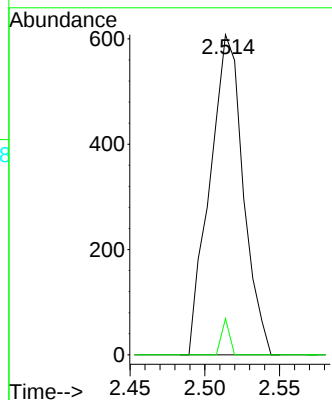


#17
Carbon Disulfide
Concen: 0.322 ug/l
RT: 2.514 min Scan# 21
Delta R.T. -0.000 min
Lab File: VX032230.D
Acq: 20 Oct 2022 00:42

Instrument :
MSVOA_X
ClientSampleId :
588A-1

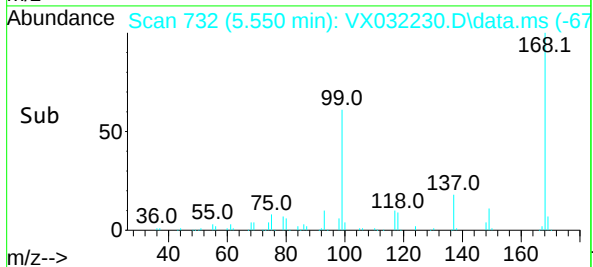
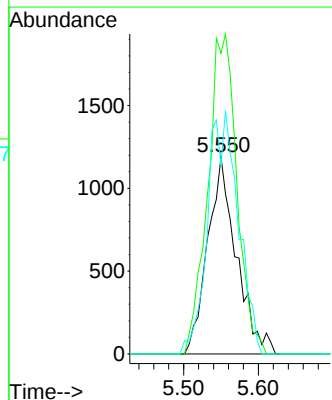
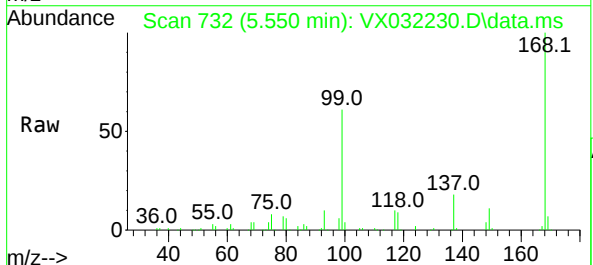


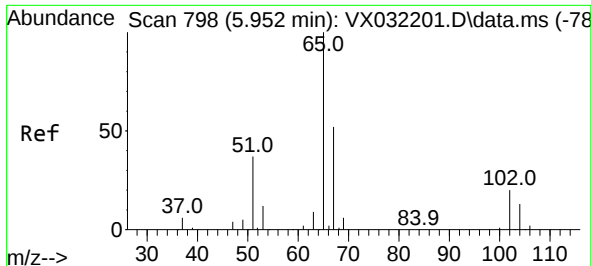
Tgt Ion: 76 Resp: 944
Ion Ratio Lower Upper
76 100
78 11.3 7.6 11.4



#31
Cyclohexane
Concen: 1.523 ug/l
RT: 5.550 min Scan# 732
Delta R.T. 0.073 min
Lab File: VX032230.D
Acq: 20 Oct 2022 00:42

Tgt Ion: 56 Resp: 3182
Ion Ratio Lower Upper
56 100
69 152.4 25.4 38.0#
84 95.7 71.2 106.8

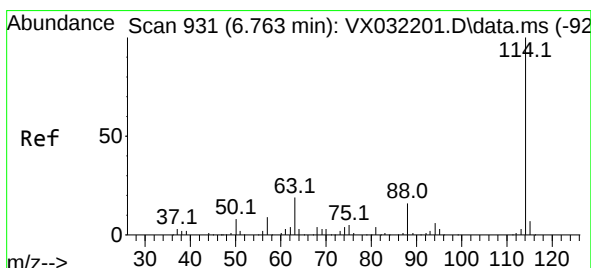
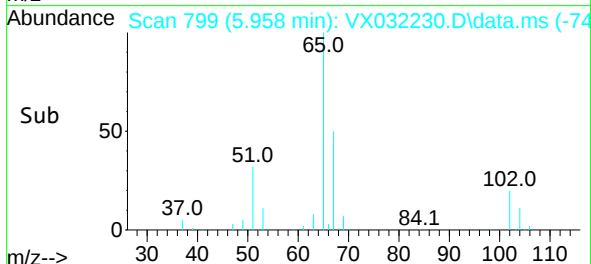
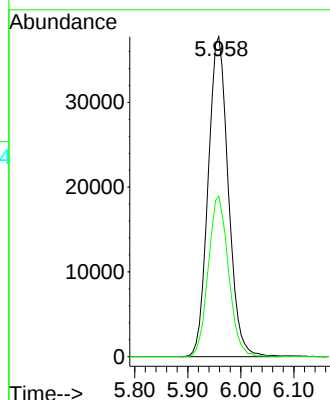
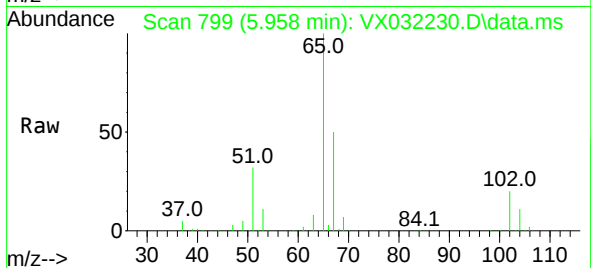




#33
 1,2-Dichloroethane-d4
 Concen: 54.572 ug/l
 RT: 5.958 min Scan# 798
 Delta R.T. 0.006 min
 Lab File: VX032230.D
 Acq: 20 Oct 2022 00:42

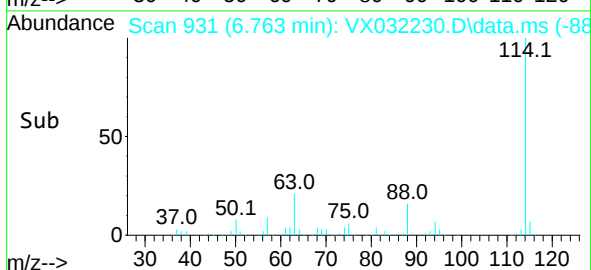
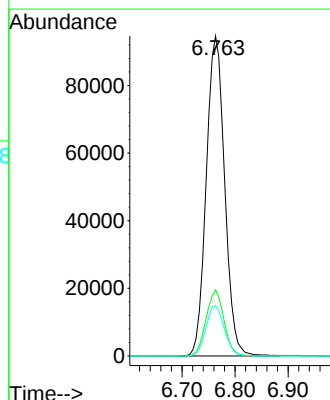
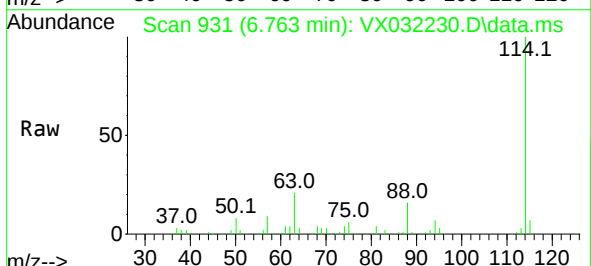
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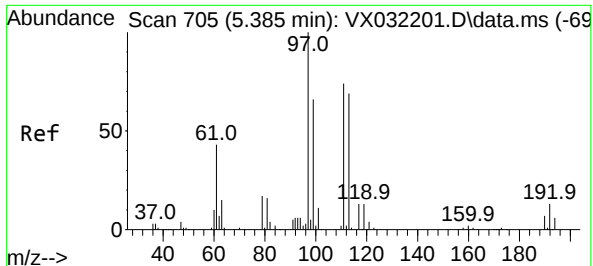
Tgt Ion: 65 Resp: 99725
 Ion Ratio Lower Upper
 65 100
 67 50.3 0.0 103.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.763 min Scan# 931
 Delta R.T. 0.000 min
 Lab File: VX032230.D
 Acq: 20 Oct 2022 00:42

Tgt Ion: 114 Resp: 227911
 Ion Ratio Lower Upper
 114 100
 63 20.6 0.0 38.6
 88 15.7 0.0 32.6

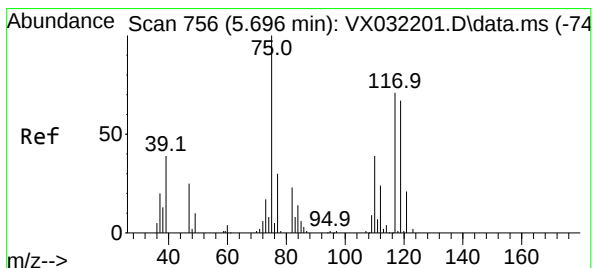
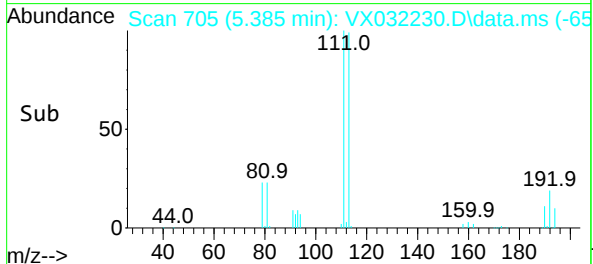
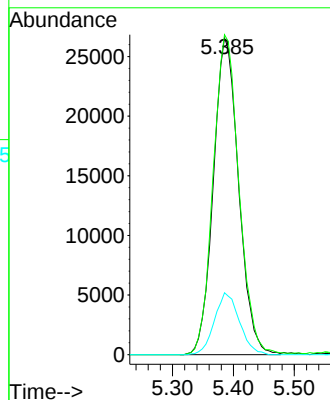
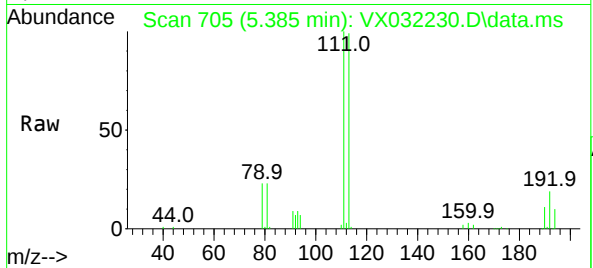




#35
Dibromofluoromethane
Concen: 48.309 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX032230.D
Acq: 20 Oct 2022 00:42

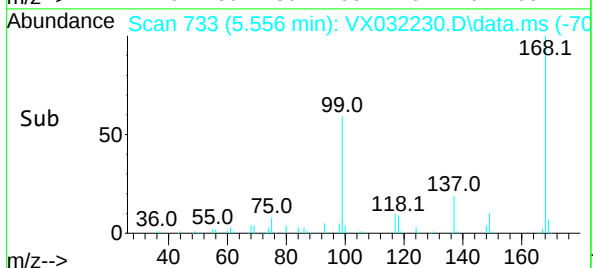
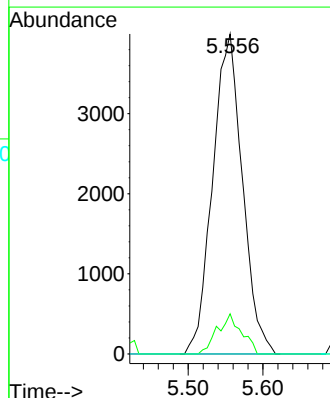
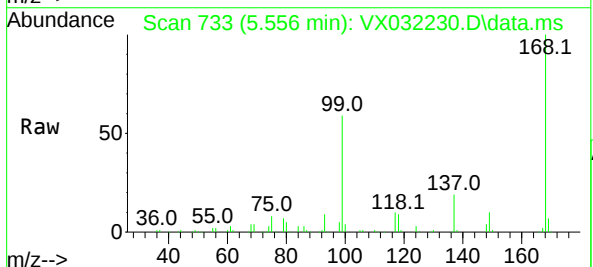
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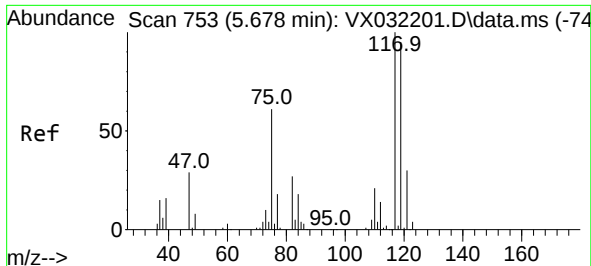
Tgt Ion:113 Resp: 76616
Ion Ratio Lower Upper
113 100
111 103.1 82.8 124.2
192 19.3 15.5 23.3



#36
1,1-Dichloropropene
Concen: 5.421 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.140 min
Lab File: VX032230.D
Acq: 20 Oct 2022 00:42

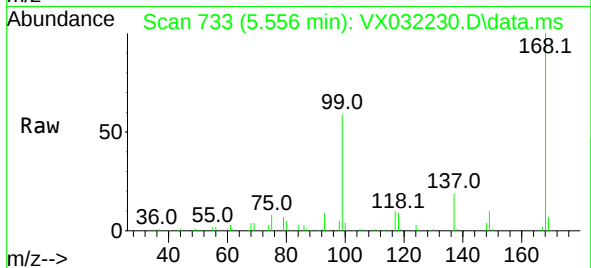
Tgt Ion: 75 Resp: 11060
Ion Ratio Lower Upper
75 100
110 10.2 18.4 55.0#
77 0.0 24.7 37.1#



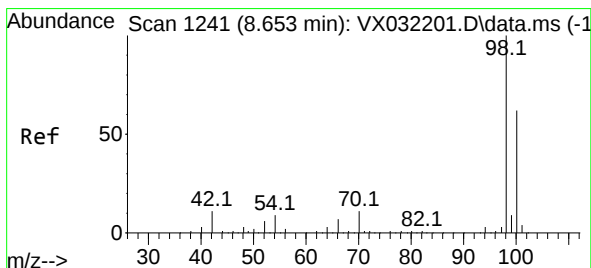
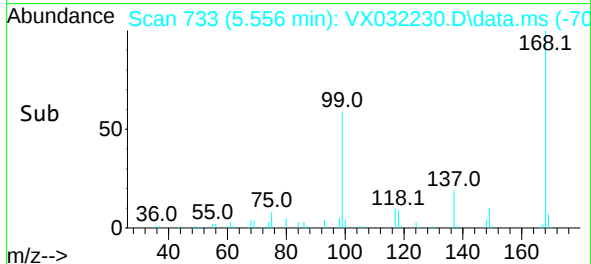
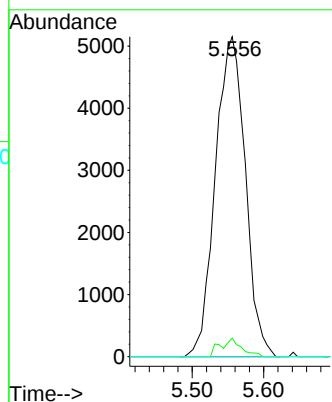


#38
Carbon Tetrachloride
Concen: 6.947 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.122 min
Lab File: VX032230.D
Acq: 20 Oct 2022 00:42

Instrument :
MSVOA_X
ClientSampleId :
588A-1

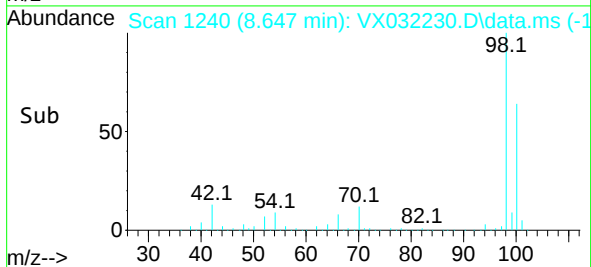
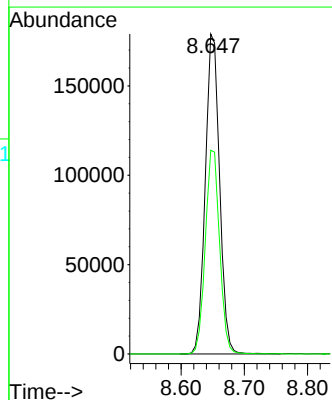
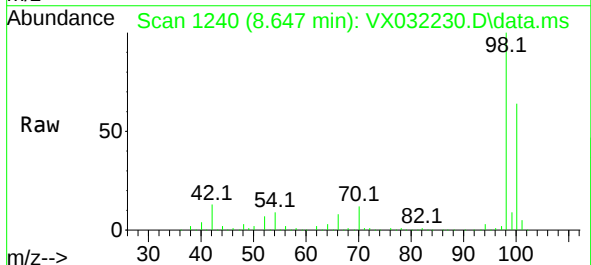


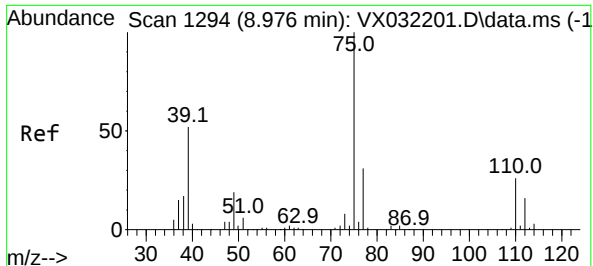
Tgt Ion:117 Resp: 14962
Ion Ratio Lower Upper
117 100
119 5.8 75.4 113.0#
121 0.0 23.9 35.9#



#50
Toluene-d8
Concen: 49.324 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.006 min
Lab File: VX032230.D
Acq: 20 Oct 2022 00:42

Tgt Ion: 98 Resp: 281586
Ion Ratio Lower Upper
98 100
100 63.8 50.7 76.1





#53

t-1,3-Dichloropropene

Concen: 1.842 ug/l

RT: 8.994 min Scan# 11

Delta R.T. 0.018 min

Lab File: VX032230.D

Acq: 20 Oct 2022 00:42

Instrument :

MSVOA_X

ClientSampleId :

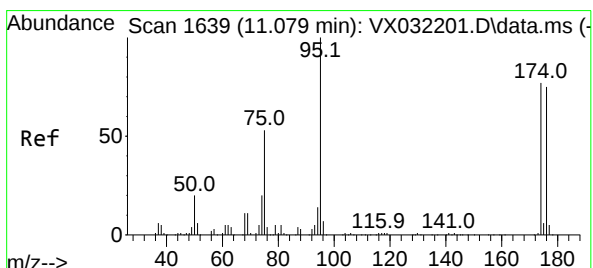
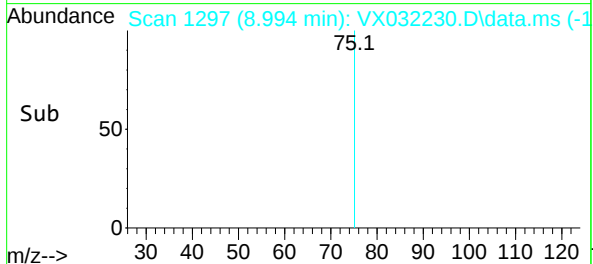
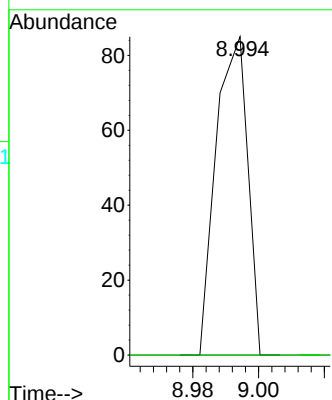
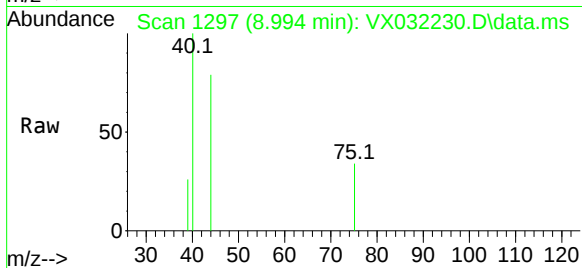
588A-1

Tgt Ion: 75 Resp: 57

Ion Ratio Lower Upper

75 100

77 0.0 25.2 37.8#



#62

4-Bromofluorobenzene

Concen: 48.362 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.000 min

Lab File: VX032230.D

Acq: 20 Oct 2022 00:42

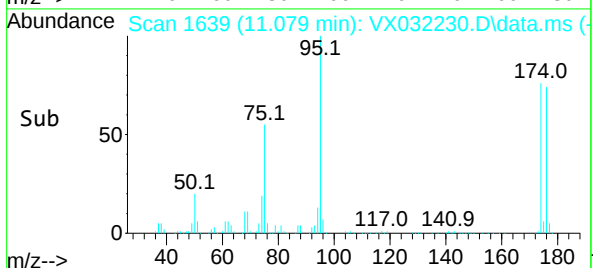
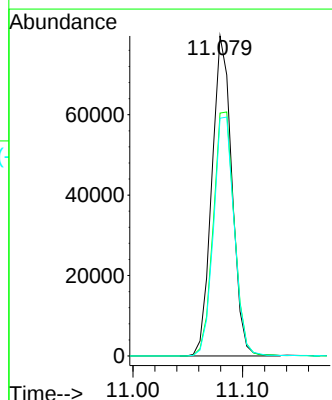
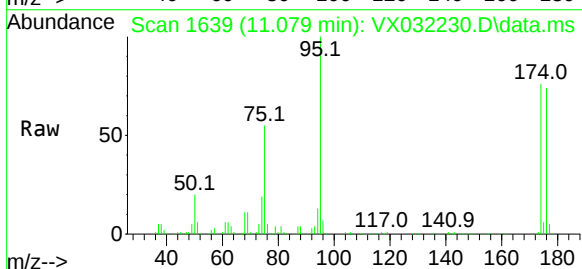
Tgt Ion: 95 Resp: 101102

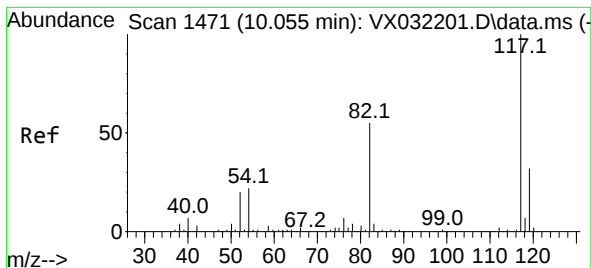
Ion Ratio Lower Upper

95 100

174 79.9 0.0 166.8

176 77.4 0.0 161.4

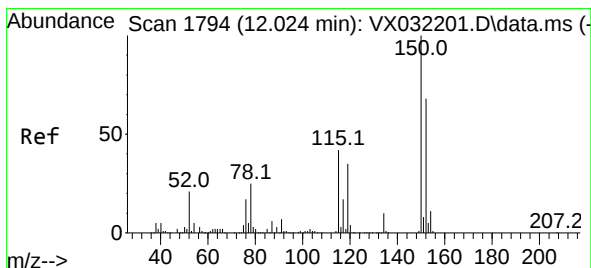
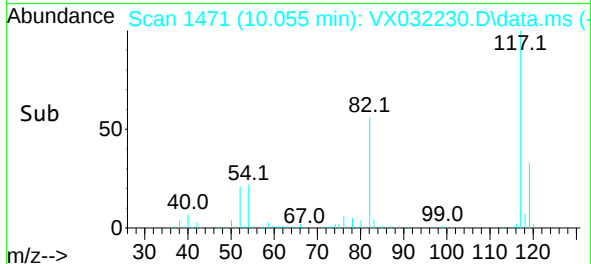
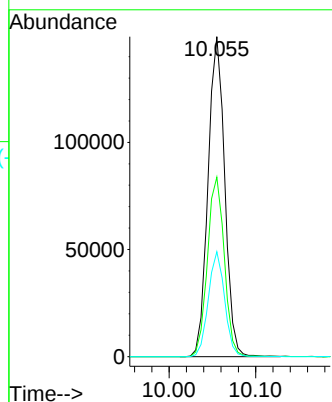
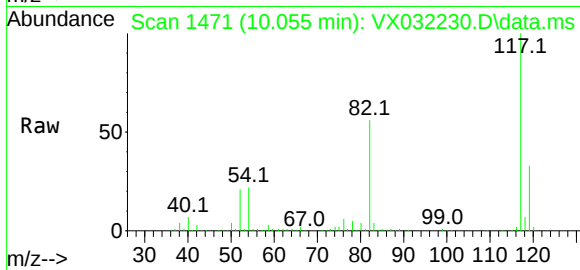




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX032230.D
Acq: 20 Oct 2022 00:42

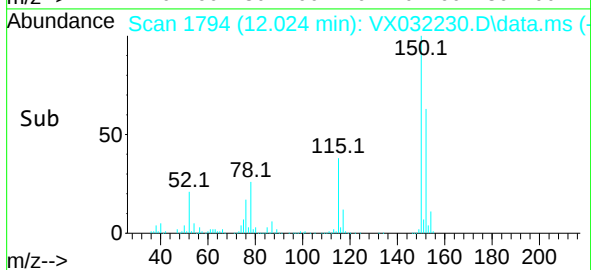
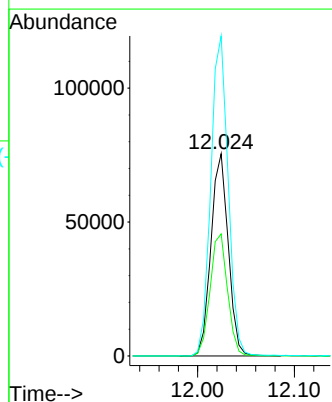
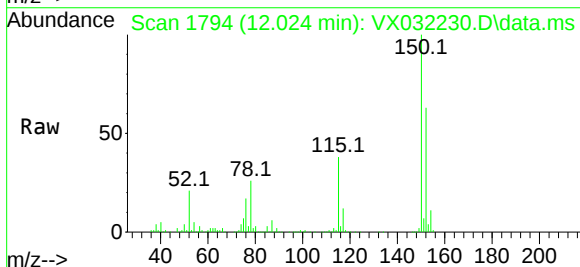
Instrument :
MSVOA_X
ClientSampleId :
588A-1

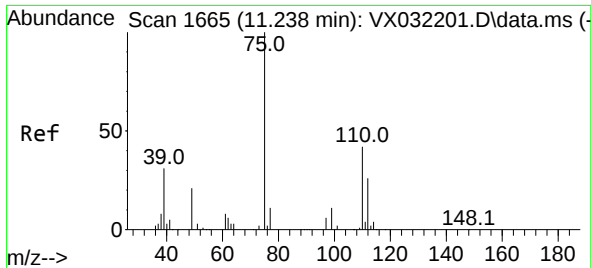
Tgt Ion:117 Resp: 199981
Ion Ratio Lower Upper
117 100
82 56.1 44.2 66.4
119 32.8 25.8 38.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX032230.D
Acq: 20 Oct 2022 00:42

Tgt Ion:152 Resp: 93973
Ion Ratio Lower Upper
152 100
115 61.1 43.1 129.4
150 158.8 0.0 348.6

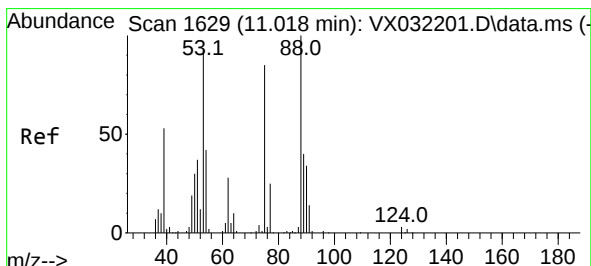
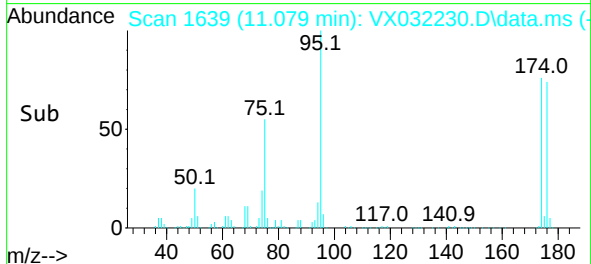
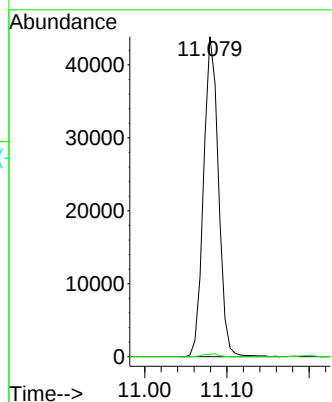
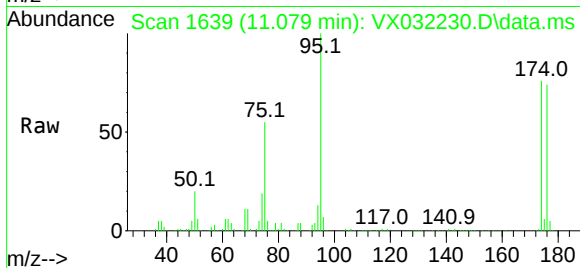




#76
1,2,3-Trichloropropane
Concen: 29.657 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX032230.D
Acq: 20 Oct 2022 00:42

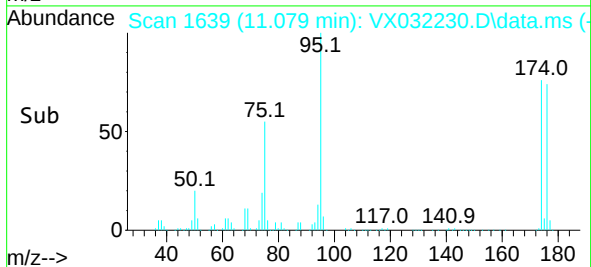
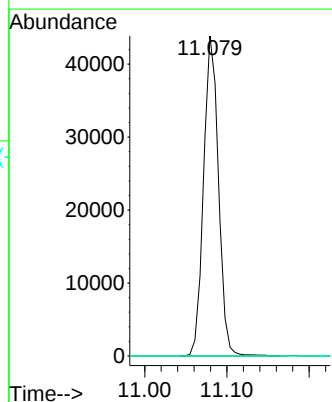
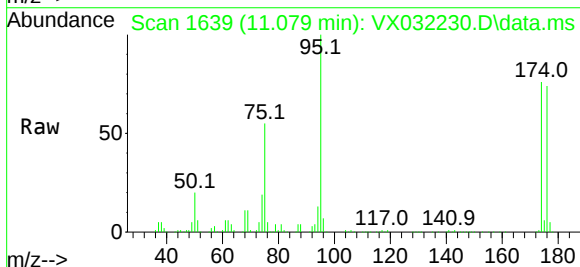
Instrument :
MSVOA_X
ClientSampleId :
588A-1

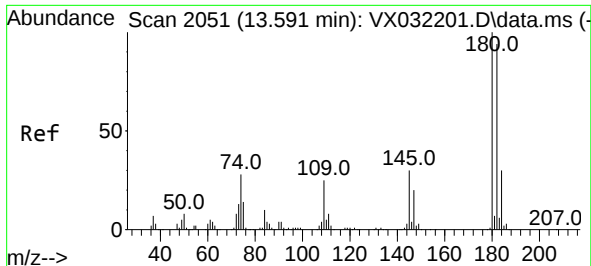
Tgt Ion: 75 Resp: 55222
Ion Ratio Lower Upper
75 100
77 0.9 16.0 47.9#



#81
trans-1,4-Dichloro-2-butene
Concen: 90.788 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX032230.D
Acq: 20 Oct 2022 00:42

Tgt Ion: 75 Resp: 55222
Ion Ratio Lower Upper
75 100
53 0.0 87.8 131.8#
89 0.0 37.8 56.8#

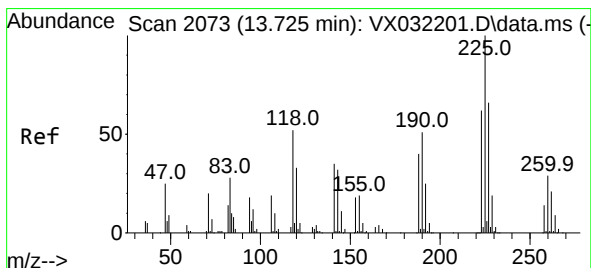
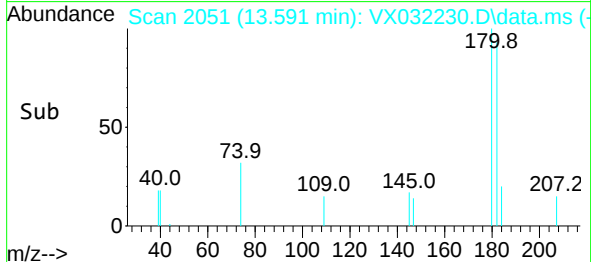
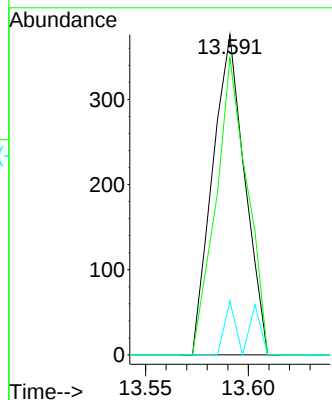
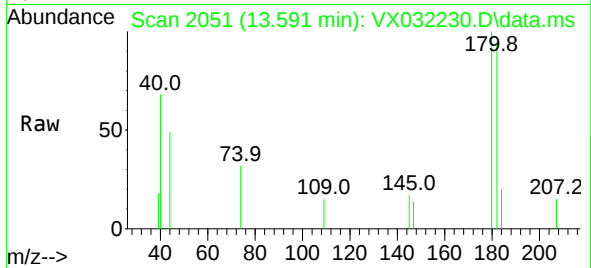




#93
1,2,4-Trichlorobenzene
Concen: 0.203 ug/l
RT: 13.591 min Scan# 2051
Delta R.T. 0.000 min
Lab File: VX032230.D
Acq: 20 Oct 2022 00:42

Instrument :
MSVOA_X
ClientSampleId :
588A-1

Tgt Ion:180 Resp: 410
Ion Ratio Lower Upper
180 100
182 90.0 46.8 140.3
145 11.0 15.6 46.7#



#94
Hexachlorobutadiene
Concen: 0.474 ug/l
RT: 13.731 min Scan# 2074
Delta R.T. 0.006 min
Lab File: VX032230.D
Acq: 20 Oct 2022 00:42

Tgt Ion:225 Resp: 416
Ion Ratio Lower Upper
225 100
223 52.6 31.4 94.3
227 57.7 32.0 96.0

