

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX101922\
 Data File : VX032233.D
 Acq On : 20 Oct 2022 01:51
 Operator : JC/MD
 Sample : N5166-02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 40 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 5388-2

Quant Time: Oct 20 05:24:25 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)

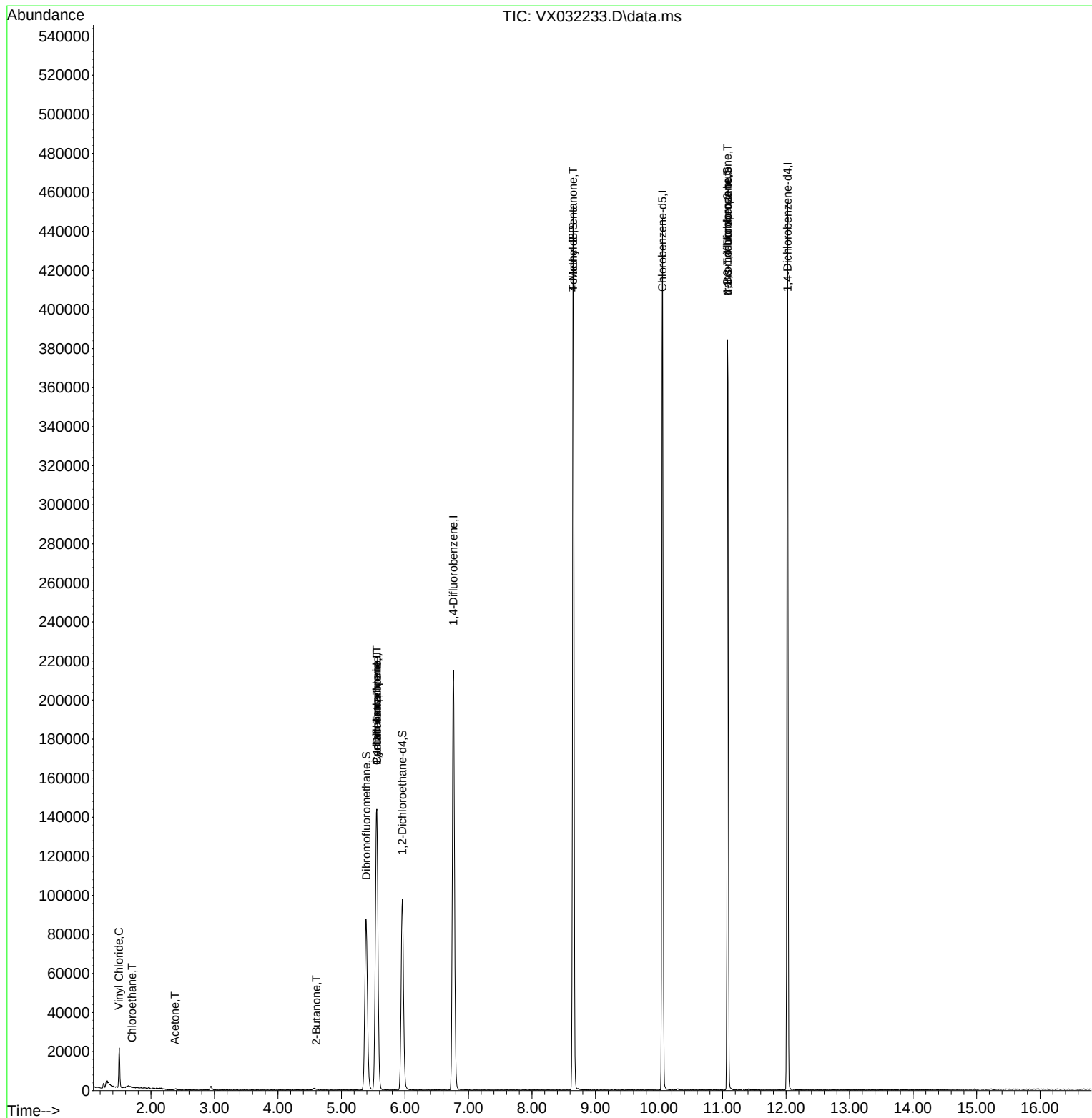
Internal Standards						
1) Pentafluorobenzene	5.556	168	137124	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	222271	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	194491	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	90934	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	97448	54.628	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 109.260%	
35) Dibromofluoromethane	5.391	113	75041	48.517	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 97.040%	
50) Toluene-d8	8.647	98	273374	49.100	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 98.200%	
62) 4-Bromofluorobenzene	11.079	95	98933	48.525	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 97.060%	
Target Compounds						
					Qvalue	
3) Chloromethane	1.300	50	253	Below Cal	#	44
4) Vinyl Chloride	1.496	62	438	0.324	ug/l #	75
6) Chloroethane	1.703	64	156	2.063	ug/l #	41
11) Tert butyl alcohol	2.946	59	1170	Below Cal	#	74
16) Acetone	2.380	43	798	1.378	ug/l #	89
25) 2-Butanone	4.605	43	264	0.292	ug/l #	48
31) Cyclohexane	5.556	56	2911	1.427	ug/l #	21
36) 1,1-Dichloropropene	5.556	75	10814	5.435	ug/l #	49
38) Carbon Tetrachloride	5.556	117	14622	6.962	ug/l #	17
51) 4-Methyl-2-Pentanone	8.647	43	1288	0.672	ug/l #	1
76) 1,2,3-Trichloropropane	11.079	75	53048	29.442	ug/l #	45
81) trans-1,4-Dichloro-2-b...	11.079	75	53048	90.149	ug/l #	6

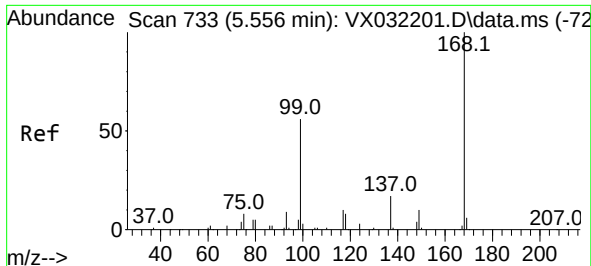
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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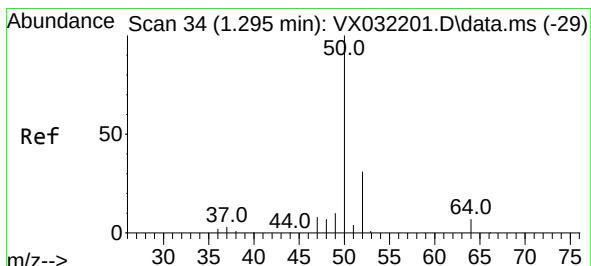
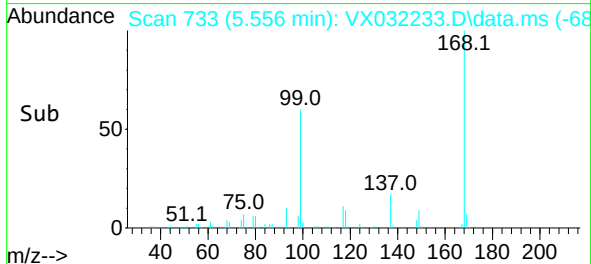
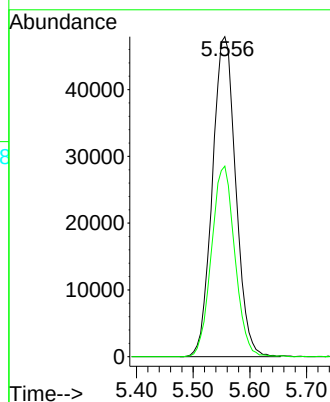
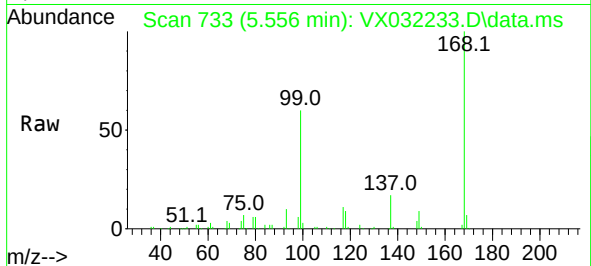




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX032233.D
Acq: 20 Oct 2022 01:51

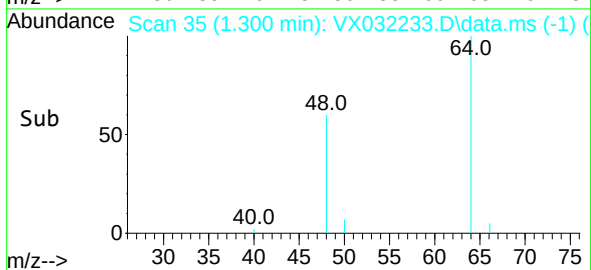
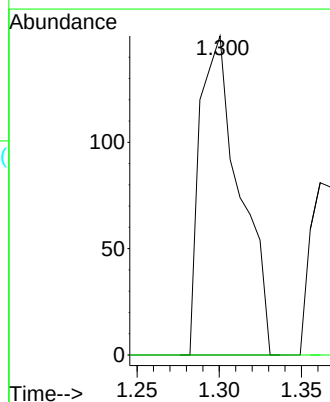
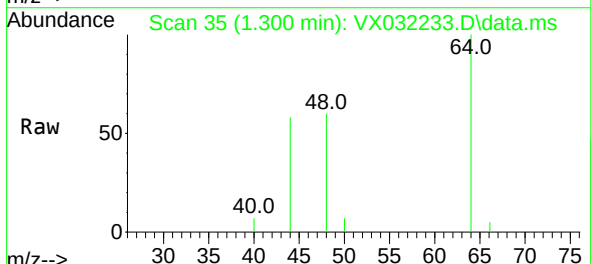
Instrument :
MSVOA_X
ClientSampleId :
5388-2

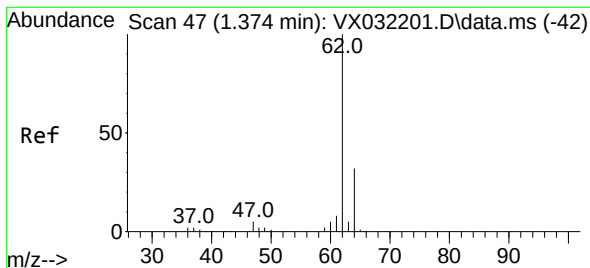
Tgt Ion:168 Resp: 137124
Ion Ratio Lower Upper
168 100
99 59.6 44.8 67.2



#3
Chloromethane
Concen: Below Cal
RT: 1.300 min Scan# 35
Delta R.T. 0.005 min
Lab File: VX032233.D
Acq: 20 Oct 2022 01:51

Tgt Ion: 50 Resp: 253
Ion Ratio Lower Upper
50 100
52 0.0 24.7 37.1#





#4

Vinyl Chloride

Concen: 0.324 ug/l

RT: 1.496 min Scan# 61

Delta R.T. 0.122 min

Lab File: VX032233.D

Acq: 20 Oct 2022 01:51

Instrument :

MSVOA_X

ClientSampleId :

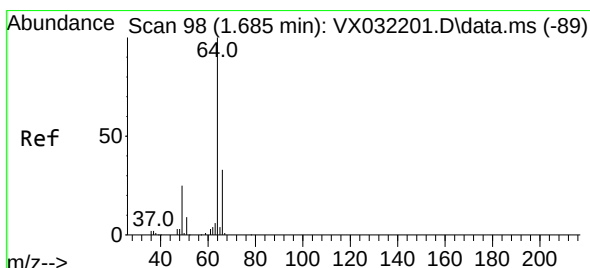
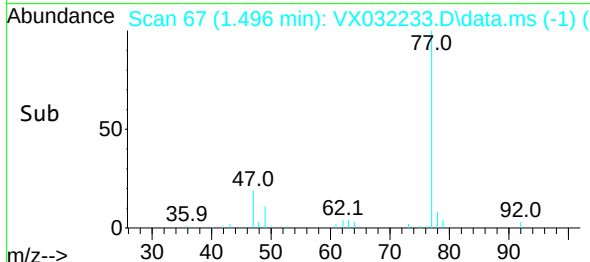
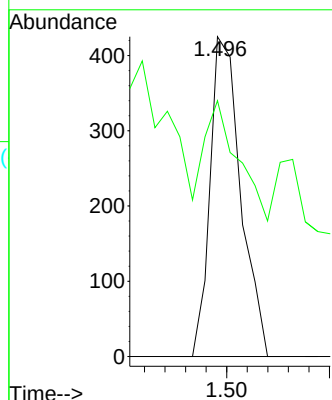
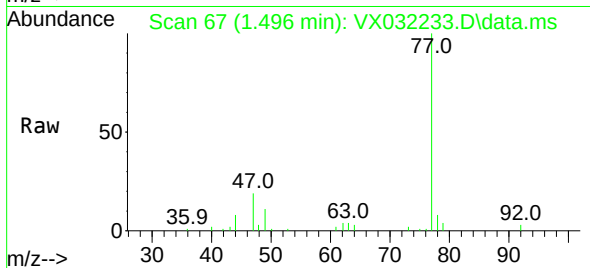
5388-2

Tgt Ion: 62 Resp: 438

Ion Ratio Lower Upper

62 100

64 19.3 26.6 39.8#



#6

Chloroethane

Concen: 2.063 ug/l

RT: 1.703 min Scan# 101

Delta R.T. 0.018 min

Lab File: VX032233.D

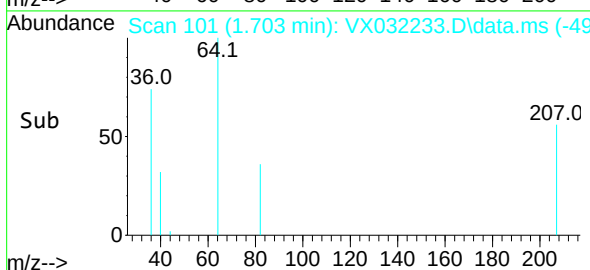
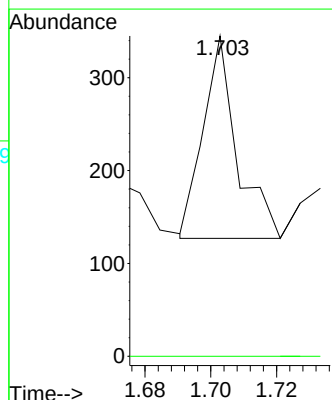
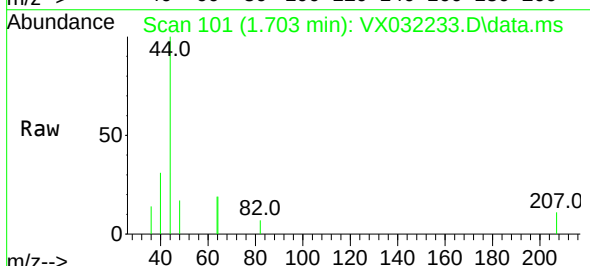
Acq: 20 Oct 2022 01:51

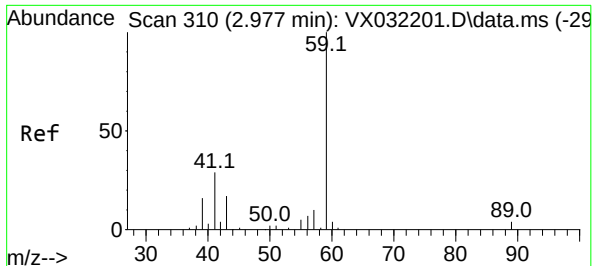
Tgt Ion: 64 Resp: 156

Ion Ratio Lower Upper

64 100

66 0.0 26.6 39.8#

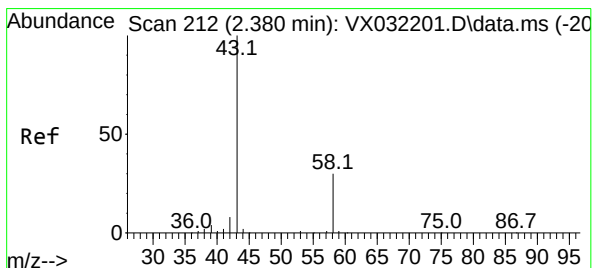
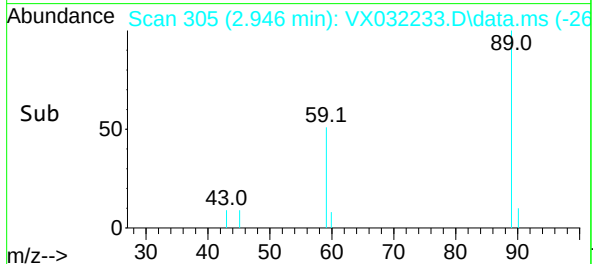
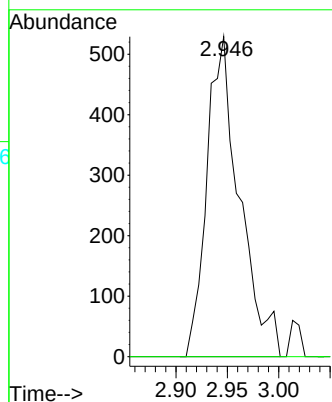
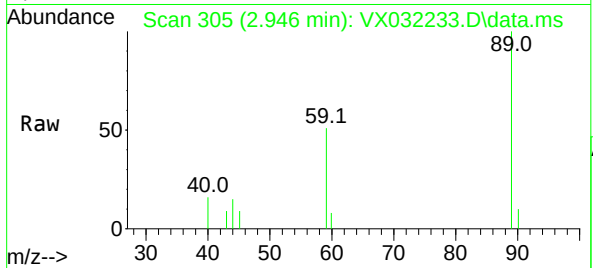




#11
Tert butyl alcohol
Concen: Below Cal
RT: 2.946 min Scan# 305
Delta R.T. -0.031 min
Lab File: VX032233.D
Acq: 20 Oct 2022 01:51

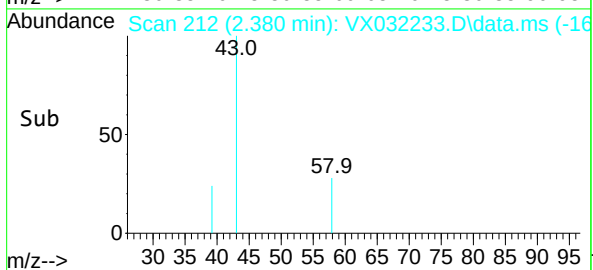
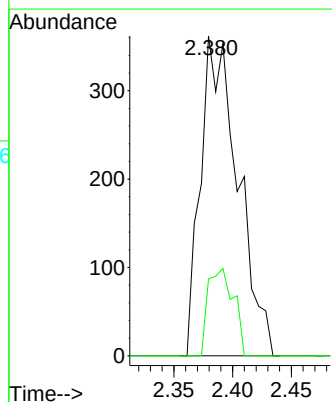
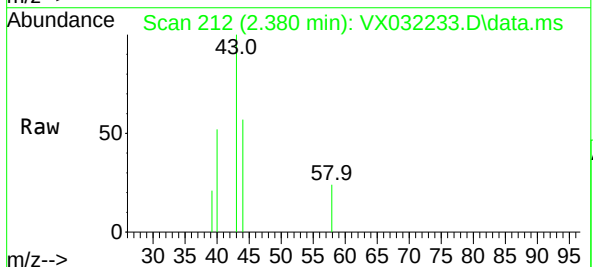
Instrument :
MSVOA_X
ClientSampleId :
5388-2

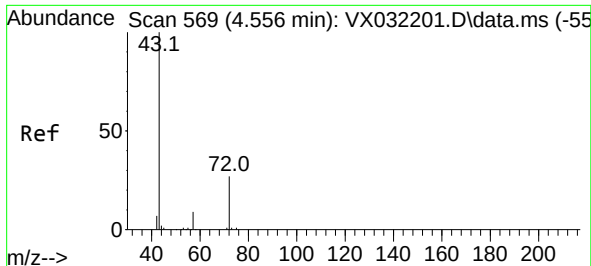
Tgt Ion: 59 Resp: 1170
Ion Ratio Lower Upper
59 100
57 0.0 7.5 11.3#



#16
Acetone
Concen: 1.378 ug/l
RT: 2.380 min Scan# 212
Delta R.T. -0.000 min
Lab File: VX032233.D
Acq: 20 Oct 2022 01:51

Tgt Ion: 43 Resp: 798
Ion Ratio Lower Upper
43 100
58 24.0 24.2 36.2#

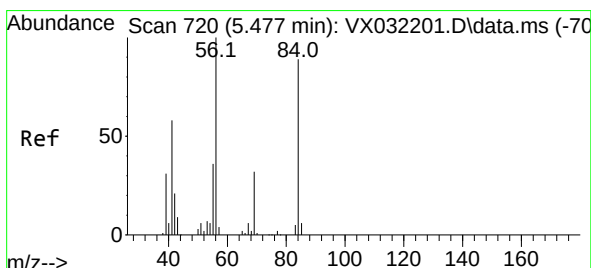
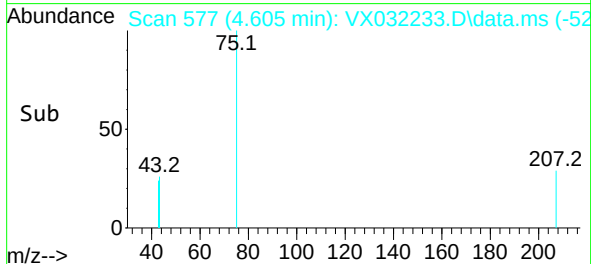
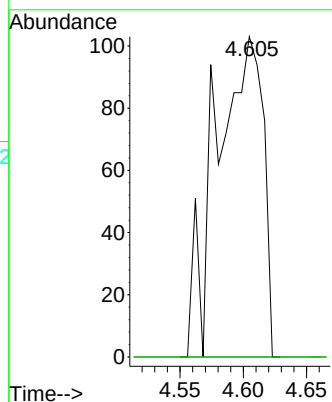
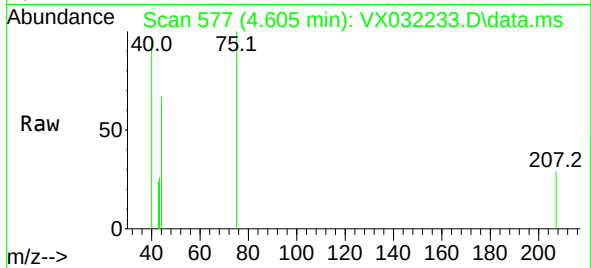




#25
2-Butanone
Concen: 0.292 ug/l
RT: 4.605 min Scan# 51
Delta R.T. 0.049 min
Lab File: VX032233.D
Acq: 20 Oct 2022 01:51

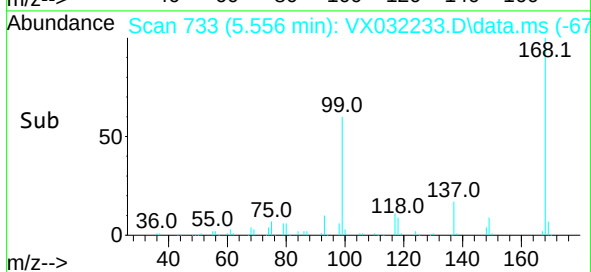
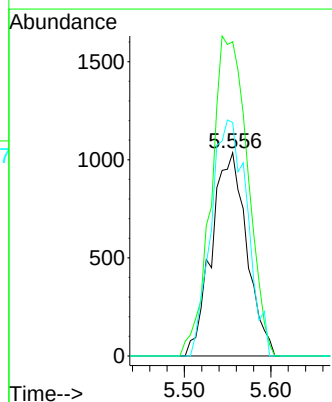
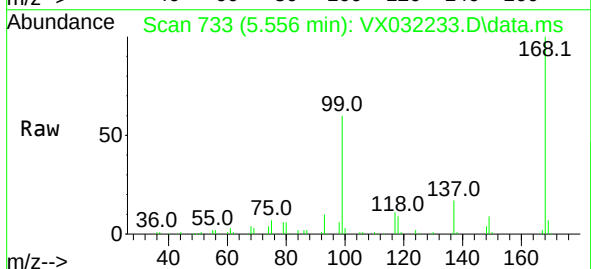
Instrument :
MSVOA_X
ClientSampleId :
5388-2

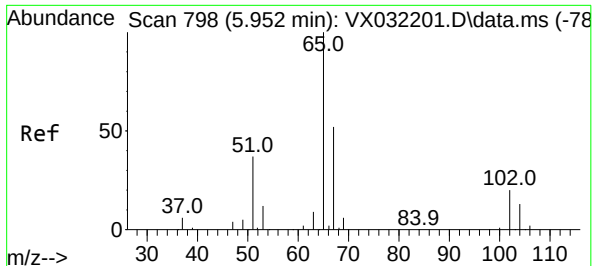
Tgt Ion: 43 Resp: 264
Ion Ratio Lower Upper
43 100
72 0.0 21.7 32.5#



#31
Cyclohexane
Concen: 1.427 ug/l
RT: 5.556 min Scan# 733
Delta R.T. 0.079 min
Lab File: VX032233.D
Acq: 20 Oct 2022 01:51

Tgt Ion: 56 Resp: 2911
Ion Ratio Lower Upper
56 100
69 154.6 25.4 38.0#
84 114.9 71.2 106.8#





#33

1,2-Dichloroethane-d4

Concen: 54.628 ug/l

RT: 5.958 min Scan# 798

Delta R.T. 0.006 min

Lab File: VX032233.D

Acq: 20 Oct 2022 01:51

Instrument :

MSVOA_X

ClientSampleId :

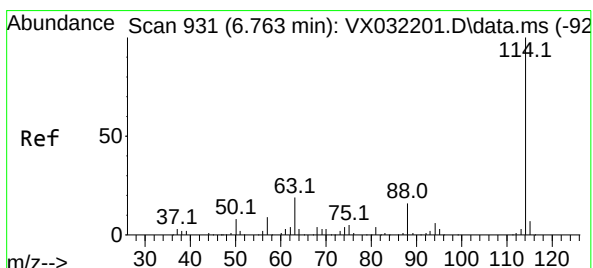
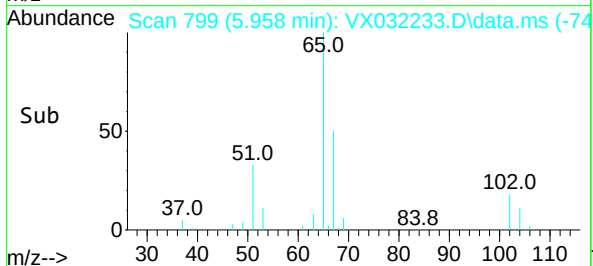
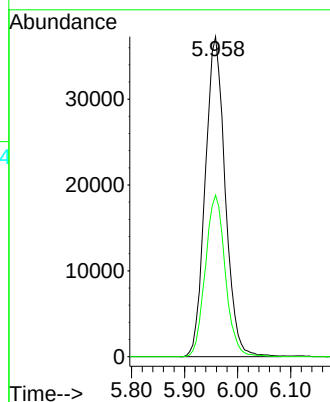
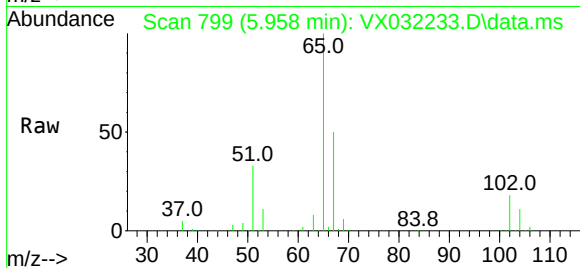
5388-2

Tgt Ion: 65 Resp: 97448

Ion Ratio Lower Upper

65 100

67 50.5 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: VX032233.D

Acq: 20 Oct 2022 01:51

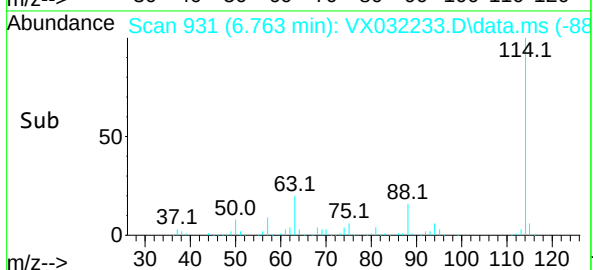
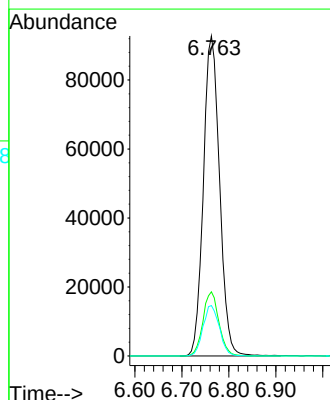
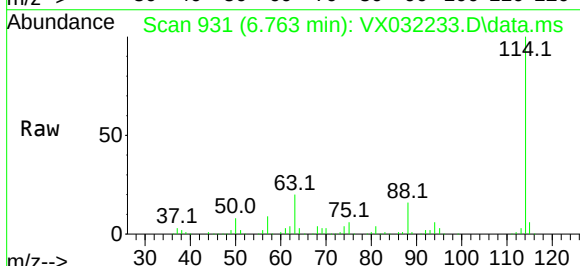
Tgt Ion: 114 Resp: 222271

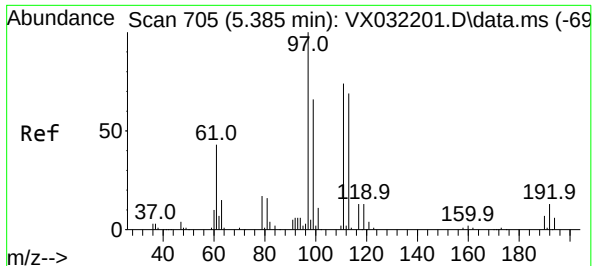
Ion Ratio Lower Upper

114 100

63 20.1 0.0 38.6

88 15.7 0.0 32.6





#35

Dibromofluoromethane

Concen: 48.517 ug/l

RT: 5.391 min Scan# 705

Delta R.T. 0.006 min

Lab File: VX032233.D

Acq: 20 Oct 2022 01:51

Instrument :

MSVOA_X

ClientSampleId :

5388-2

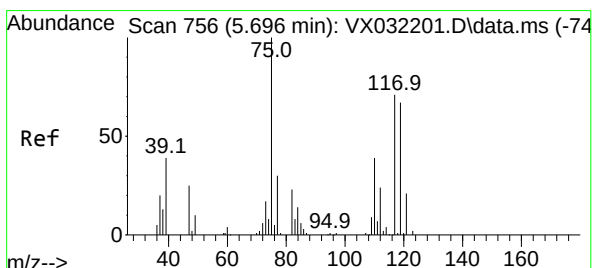
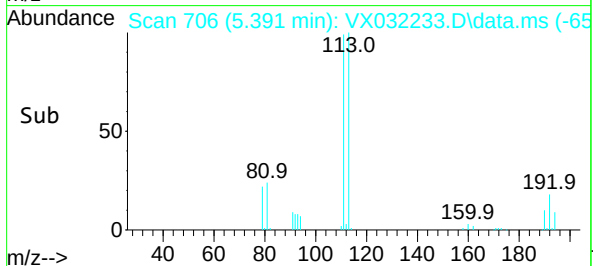
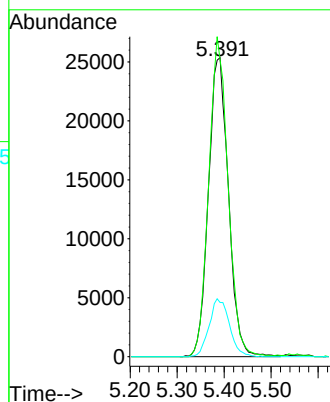
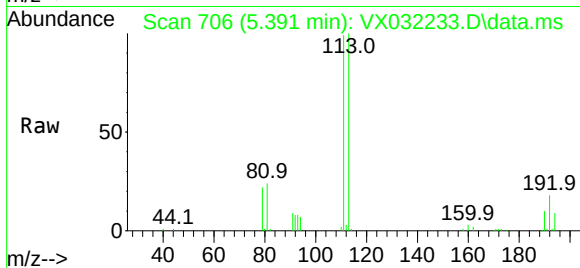
Tgt Ion:113 Resp: 75041

Ion Ratio Lower Upper

113 100

111 102.9 82.8 124.2

192 19.6 15.5 23.3



#36

1,1-Dichloropropene

Concen: 5.435 ug/l

RT: 5.556 min Scan# 733

Delta R.T. -0.140 min

Lab File: VX032233.D

Acq: 20 Oct 2022 01:51

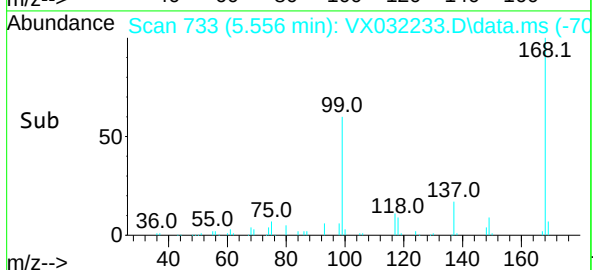
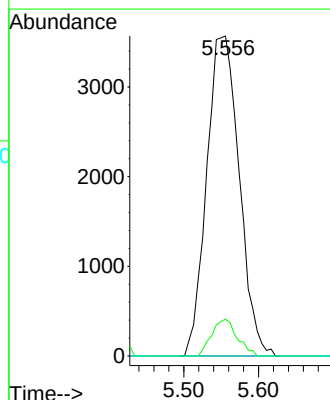
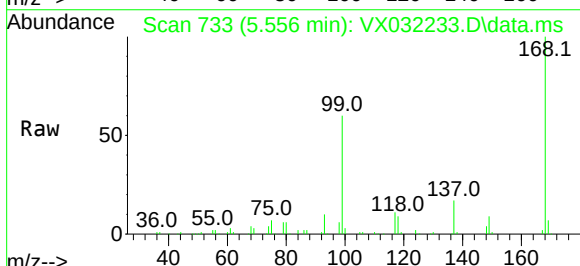
Tgt Ion: 75 Resp: 10814

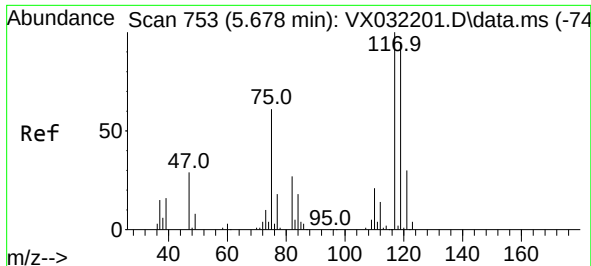
Ion Ratio Lower Upper

75 100

110 9.0 18.4 55.0#

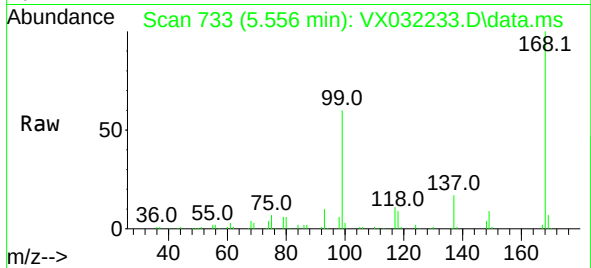
77 0.0 24.7 37.1#



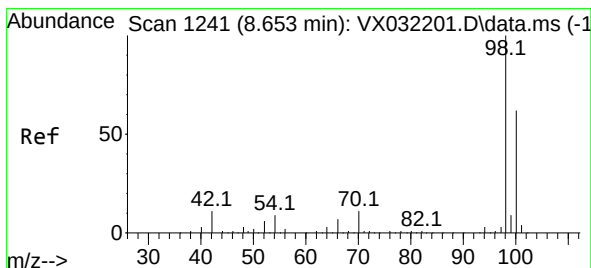
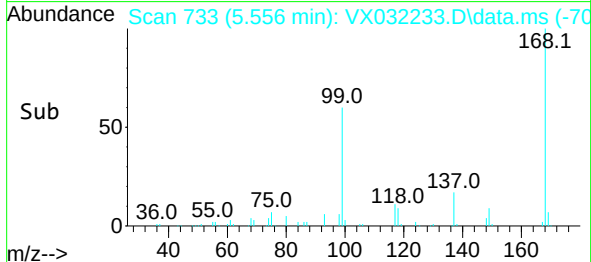
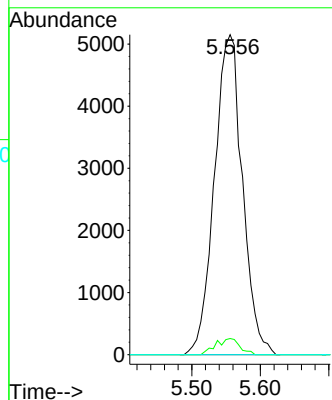


#38
Carbon Tetrachloride
Concen: 6.962 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.122 min
Lab File: VX032233.D
Acq: 20 Oct 2022 01:51

Instrument :
MSVOA_X
ClientSampleId :
5388-2

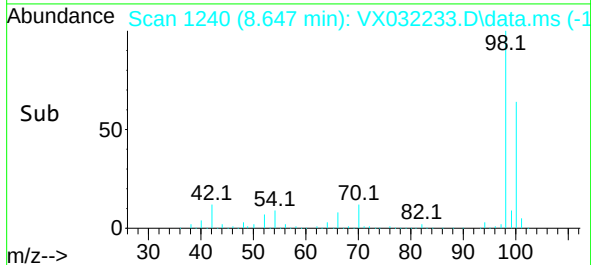
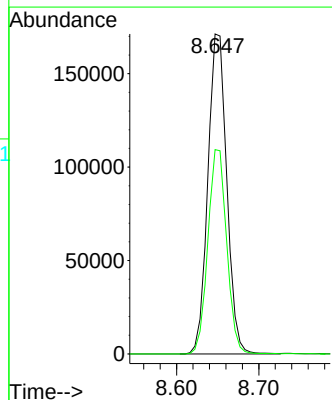
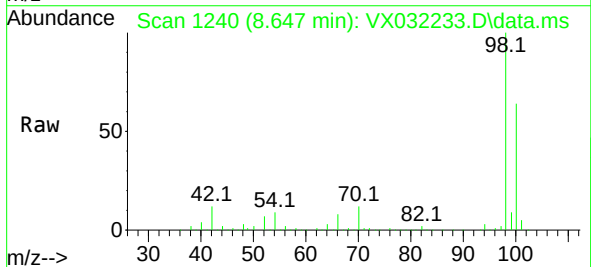


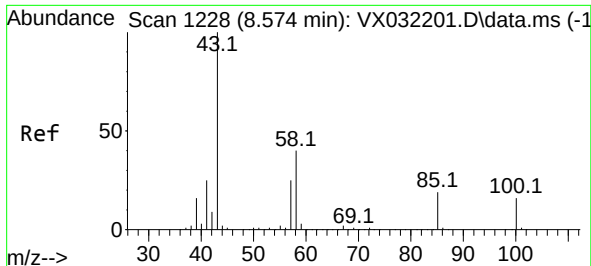
Tgt Ion:117 Resp: 14622
Ion Ratio Lower Upper
117 100
119 5.1 75.4 113.0#
121 0.0 23.9 35.9#



#50
Toluene-d8
Concen: 49.100 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.006 min
Lab File: VX032233.D
Acq: 20 Oct 2022 01:51

Tgt Ion: 98 Resp: 273374
Ion Ratio Lower Upper
98 100
100 63.6 50.7 76.1





#51

4-Methyl-2-Pentanone

Concen: 0.672 ug/l

RT: 8.647 min Scan# 11

Delta R.T. 0.073 min

Lab File: VX032233.D

Acq: 20 Oct 2022 01:51

Instrument :

MSVOA_X

ClientSampleId :

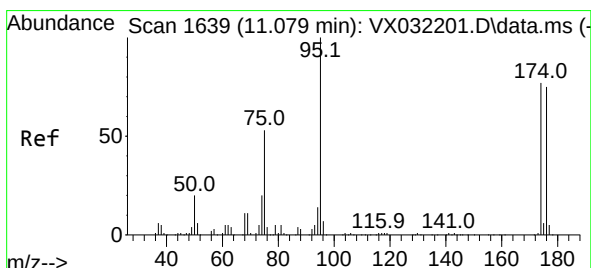
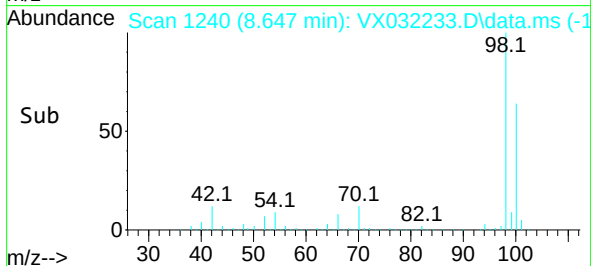
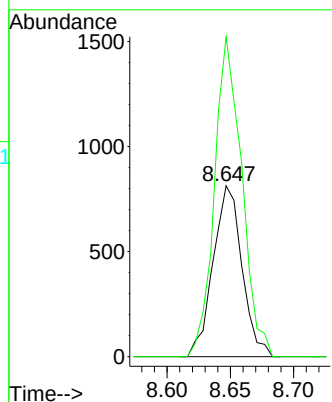
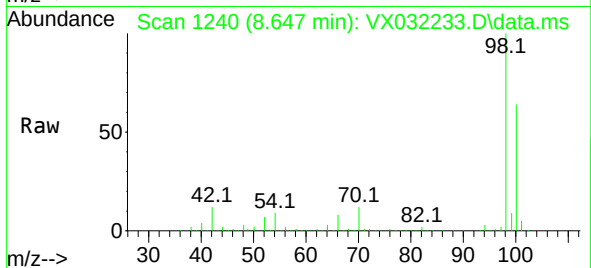
5388-2

Tgt Ion: 43 Resp: 1288

Ion Ratio Lower Upper

43 100

58 177.6 31.0 46.4#



#62

4-Bromofluorobenzene

Concen: 48.525 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.000 min

Lab File: VX032233.D

Acq: 20 Oct 2022 01:51

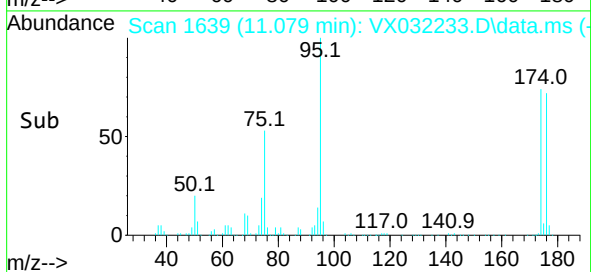
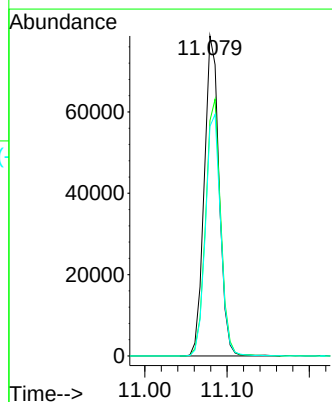
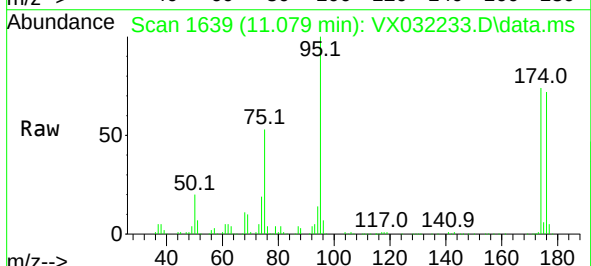
Tgt Ion: 95 Resp: 98933

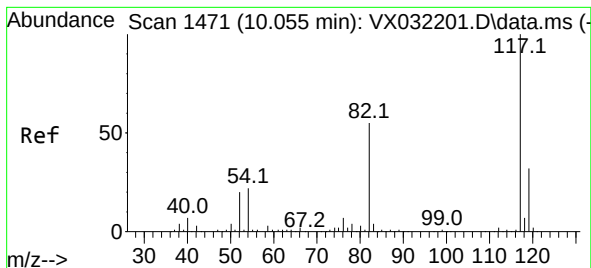
Ion Ratio Lower Upper

95 100

174 81.1 0.0 166.8

176 77.2 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: VX032233.D

Acq: 20 Oct 2022 01:51

Instrument :

MSVOA_X

ClientSampleId :

5388-2

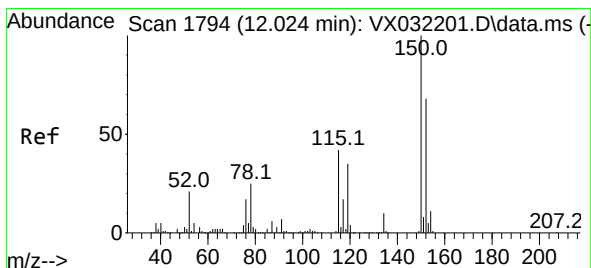
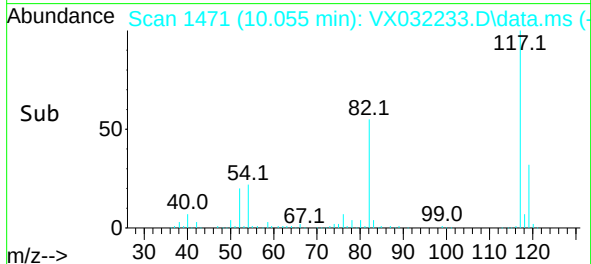
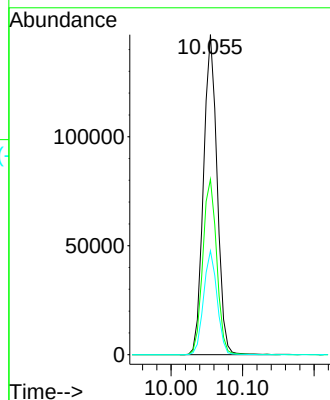
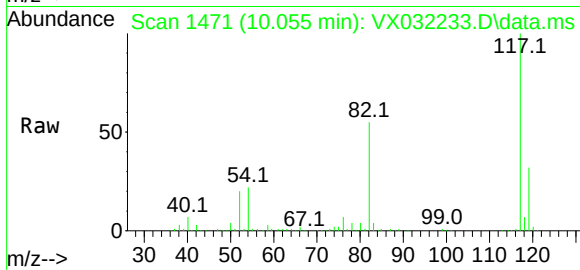
Tgt Ion:117 Resp: 194491

Ion Ratio Lower Upper

117 100

82 54.8 44.2 66.4

119 32.5 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: VX032233.D

Acq: 20 Oct 2022 01:51

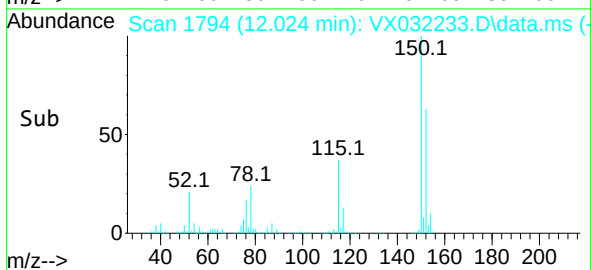
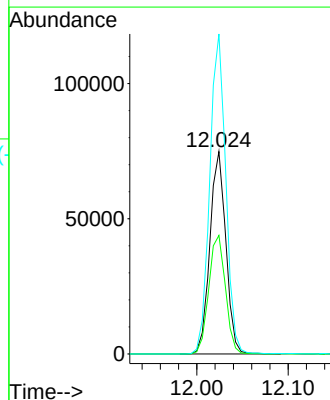
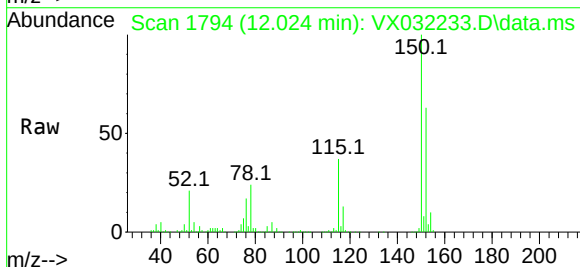
Tgt Ion:152 Resp: 90934

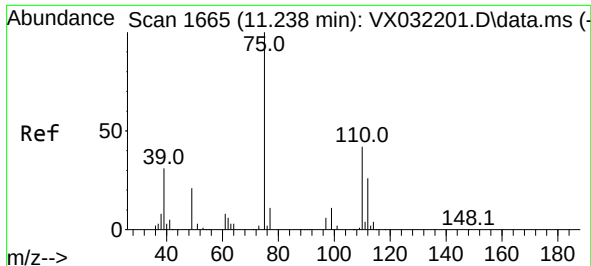
Ion Ratio Lower Upper

152 100

115 61.0 43.1 129.4

150 158.2 0.0 348.6

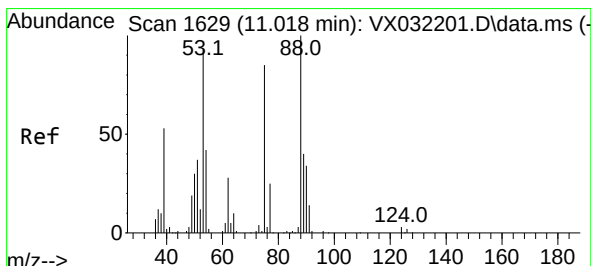
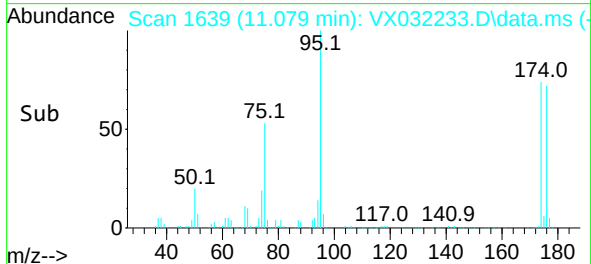
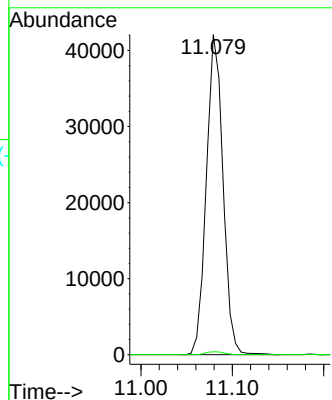
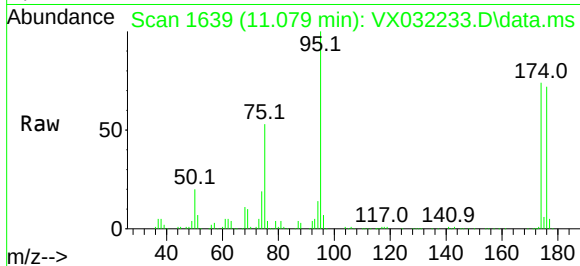




#76
1,2,3-Trichloropropane
Concen: 29.442 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX032233.D
Acq: 20 Oct 2022 01:51

Instrument :
MSVOA_X
ClientSampleId :
5388-2

Tgt Ion: 75 Resp: 53048
Ion Ratio Lower Upper
75 100
77 1.0 16.0 47.9#



#81
trans-1,4-Dichloro-2-butene
Concen: 90.149 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX032233.D
Acq: 20 Oct 2022 01:51

Tgt Ion: 75 Resp: 53048
Ion Ratio Lower Upper
75 100
53 0.0 87.8 131.8#
89 0.0 37.8 56.8#

