

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX111023\
 Data File : VX038737.D
 Acq On : 10 Nov 2023 18:29
 Operator : JC/MD
 Sample : 05358-03
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 RE132D7-20231108

Quant Time: Nov 11 01:58:17 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X110723W.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 08 03:19:07 2023
 Response via : Initial Calibration

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

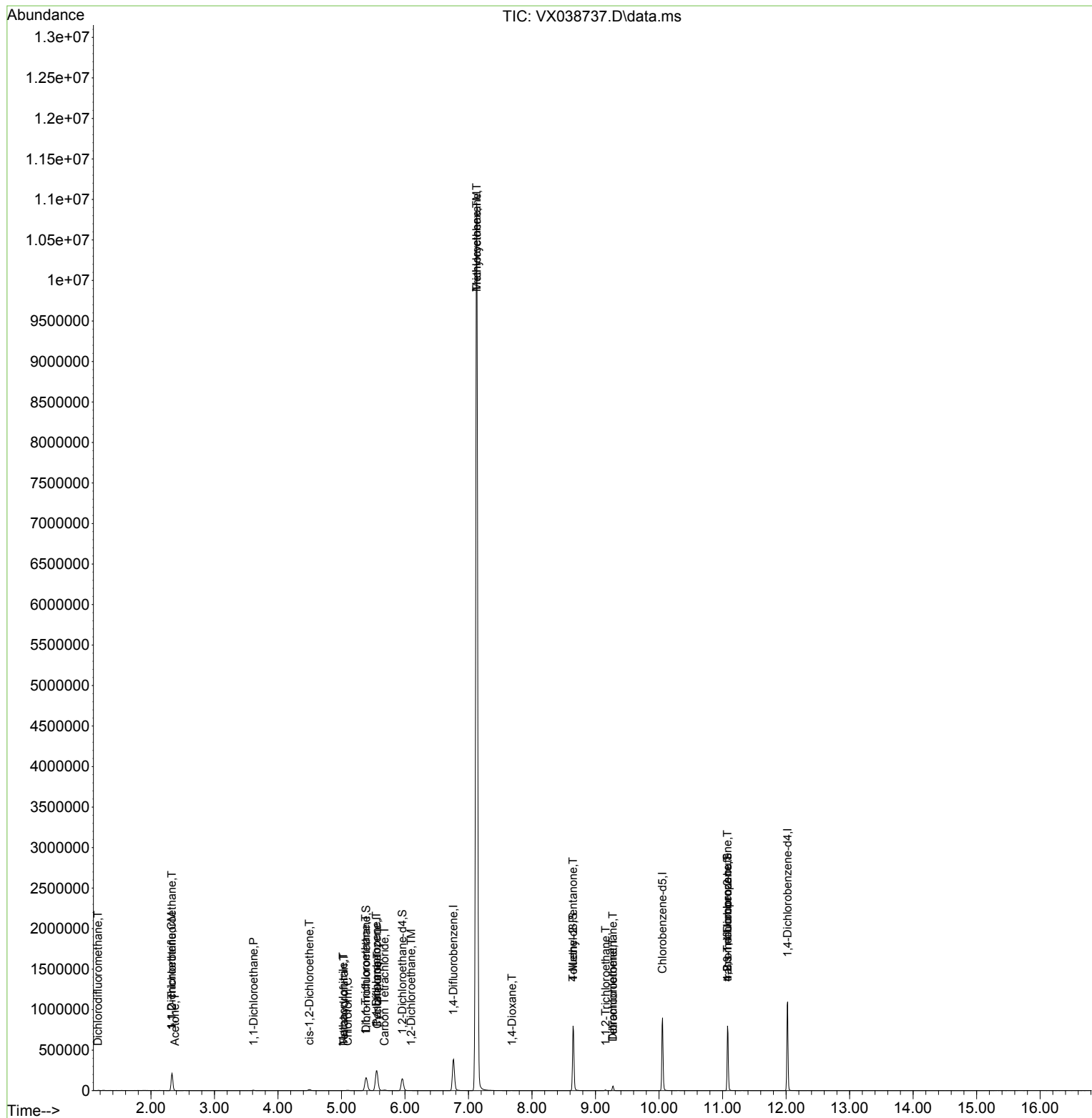
Internal Standards						
1) Pentafluorobenzene	5.556	168	257495	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.763	114	433091	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	449841	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	254508	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	149722	46.705	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	93.400%
35) Dibromofluoromethane	5.385	113	143361	45.960	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	91.920%
50) Toluene-d8	8.647	98	512617	45.926	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	91.860%#
62) 4-Bromofluorobenzene	11.079	95	216747	50.085	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	100.160%
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.166	85	833	0.312	ug/l	97
9) 1,1,2-Trichlorotrifluo...	2.331	101	68618	27.358	ug/l	89
12) 1,1-Dichloroethene	2.325	96	18149	7.552	ug/l	81
16) Acetone	2.380	43	1423	1.054	ug/l	# 84
24) 1,1-Dichloroethane	3.617	63	6336	1.476	ug/l	98
27) cis-1,2-Dichloroethene	4.495	96	9586	3.173	ug/l	77
29) Tetrahydrofuran	5.038	42	816	0.671	ug/l	# 84
30) Chloroform	5.099	83	5924	1.176	ug/l	94
31) Cyclohexane	5.562	56	3870	1.091	ug/l	# 6
32) 1,1,1-Trichloroethane	5.379	97	1432	0.323	ug/l	# 50
36) 1,1-Dichloropropene	5.550	75	16656	4.299	ug/l	# 51
38) Carbon Tetrachloride	5.678	117	6147	1.419	ug/l	# 81
39) Methylcyclohexane	7.129	83	46728	9.646	ug/l	# 1
41) Methacrylonitrile	5.025	41	588	0.292	ug/l	# 37
42) 1,2-Dichloroethane	6.098	62	1280	0.318	ug/l	92
44) Trichloroethene	7.129	130	4541536	1307.890	ug/l	90
49) 1,4-Dioxane	7.683	88	816	12.229	ug/l	# 76
51) 4-Methyl-2-Pentanone	8.647	43	1735	0.438	ug/l	# 1
55) 1,1,2-Trichloroethane	9.159	97	2649	0.854	ug/l	92
60) Dibromochloromethane	9.275	129	11070	3.179	ug/l	# 11
64) Tetrachloroethene	9.275	164	11129	3.305	ug/l	96
76) 1,2,3-Trichloropropane	11.079	75	103907	20.614	ug/l	# 39
81) trans-1,4-Dichloro-2-b...	11.079	75	103907	62.792	ug/l	# 5

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

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Instrument :
MSVOA_X
ClientSampleId :
RE132D7-20231108

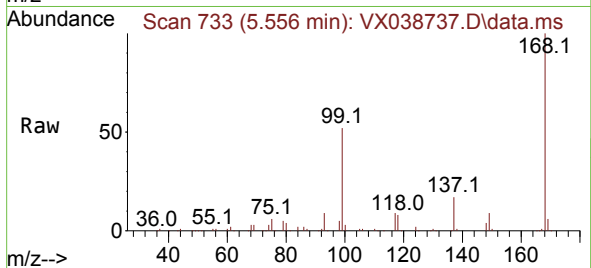
Quant Time: Nov 11 01:58:17 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X110723W.M
Quant Title : SW846 8260
QLast Update : Wed Nov 08 03:19:07 2023
Response via : Initial Calibration



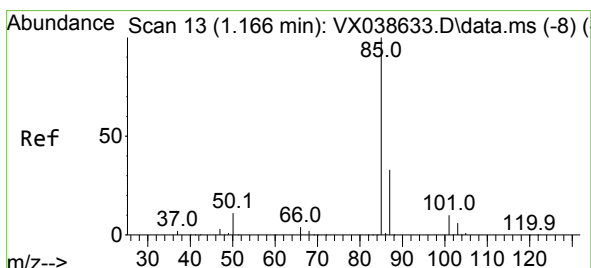
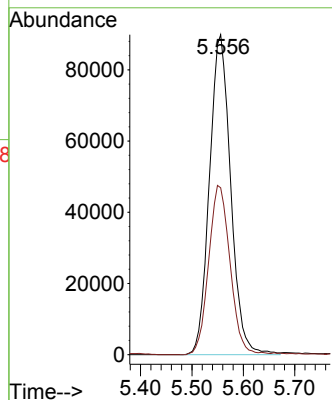
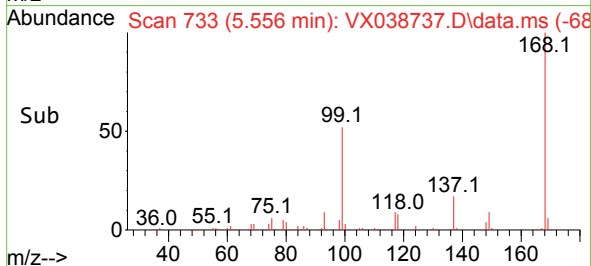


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX038737.D
Acq: 10 Nov 2023 18:29

Instrument :
MSVOA_X
ClientSampleId :
RE132D7-20231108

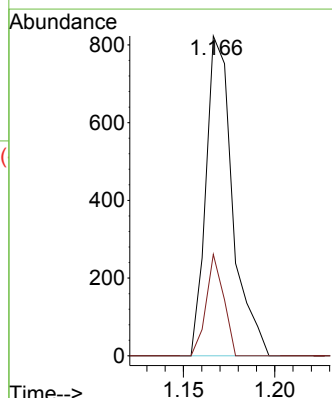
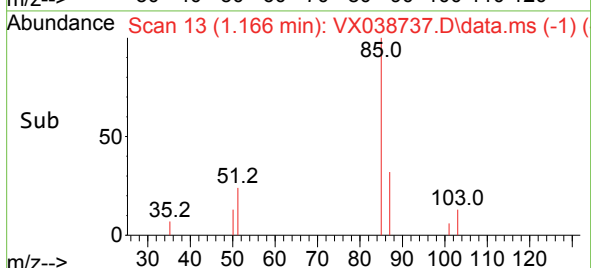
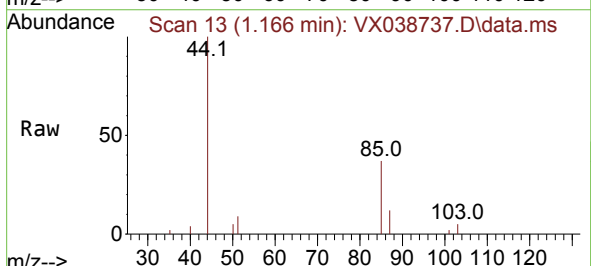


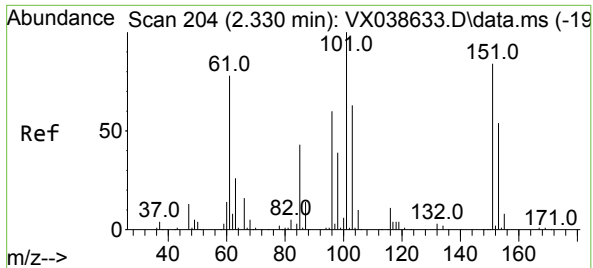
Tgt Ion:168 Resp: 257495
Ion Ratio Lower Upper
168 100
99 52.1 56.6 85.0#



#2
Dichlorodifluoromethane
Concen: 0.312 ug/l
RT: 1.166 min Scan# 13
Delta R.T. 0.000 min
Lab File: VX038737.D
Acq: 10 Nov 2023 18:29

Tgt Ion: 85 Resp: 833
Ion Ratio Lower Upper
85 100
87 31.7 16.7 50.1

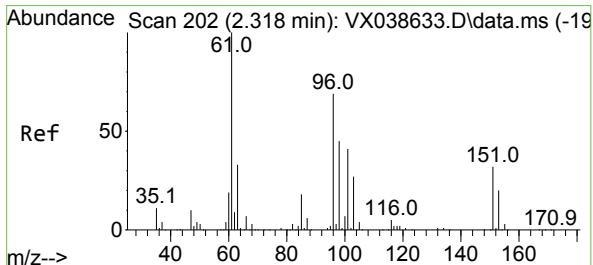
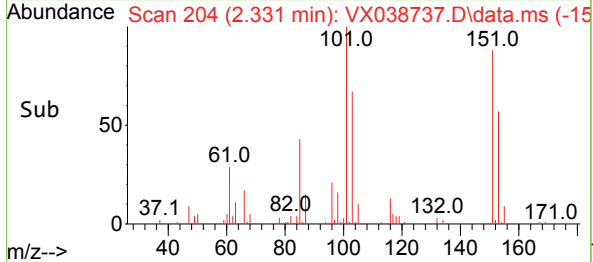
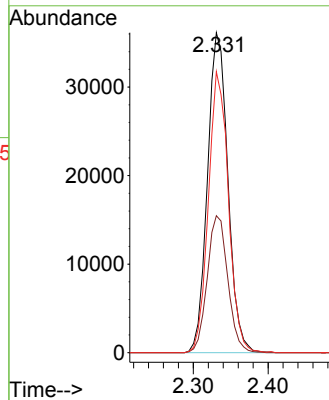
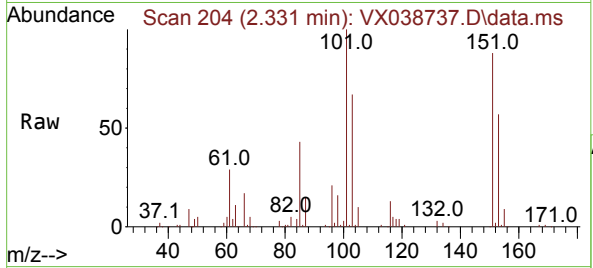




#9
1,1,2-Trichlorotrifluoroethane
Concen: 27.358 ug/l
RT: 2.331 min Scan# 204
Delta R.T. 0.000 min
Lab File: VX038737.D
Acq: 10 Nov 2023 18:29

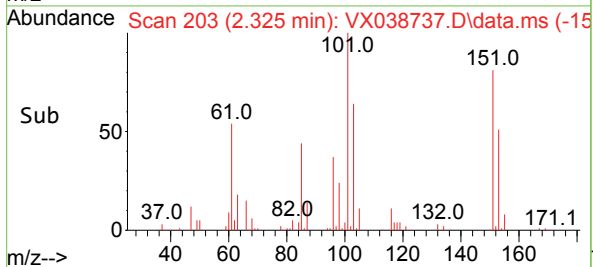
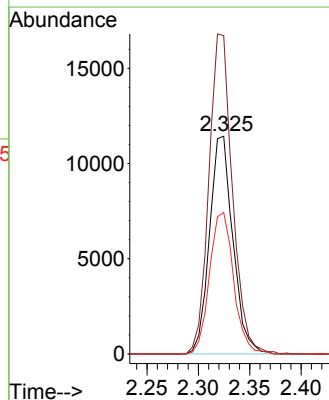
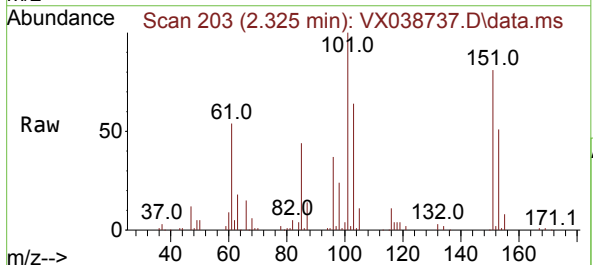
Instrument :
MSVOA_X
ClientSampleId :
RE132D7-20231108

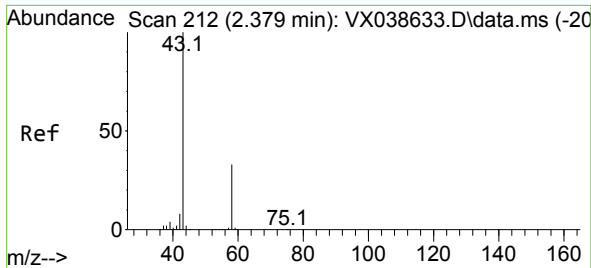
Tgt Ion:101 Resp: 68618
Ion Ratio Lower Upper
101 100
85 43.2 37.0 55.6
151 86.2 58.6 87.8



#12
1,1-Dichloroethene
Concen: 7.552 ug/l
RT: 2.325 min Scan# 203
Delta R.T. 0.006 min
Lab File: VX038737.D
Acq: 10 Nov 2023 18:29

Tgt Ion: 96 Resp: 18149
Ion Ratio Lower Upper
96 100
61 146.2 144.6 216.8
98 65.0 50.4 75.6





#16

Acetone

Concen: 1.054 ug/l

RT: 2.380 min Scan# 21

Delta R.T. 0.000 min

Lab File: VX038737.D

Acq: 10 Nov 2023 18:29

Instrument :

MSVOA_X

ClientSampleId :

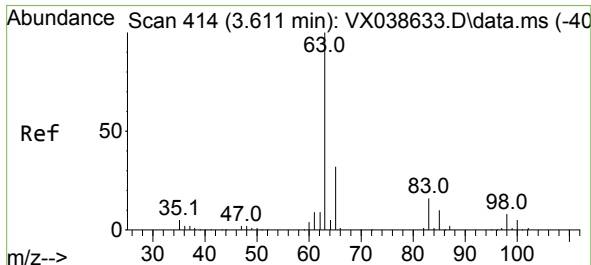
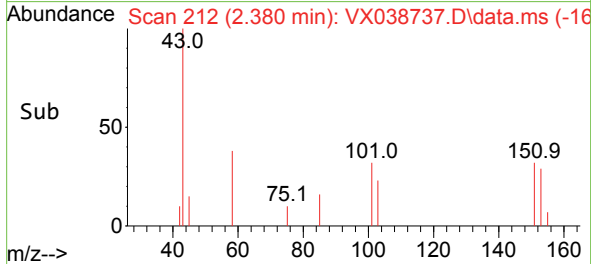
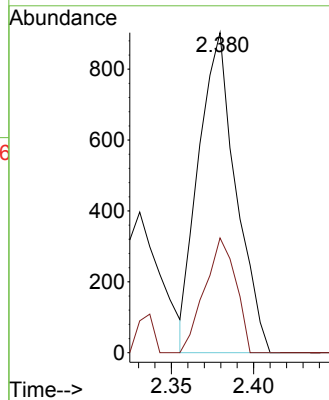
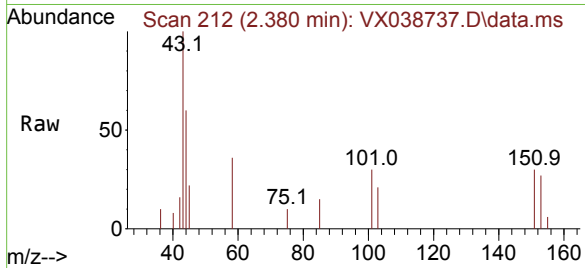
RE132D7-20231108

Tgt Ion: 43 Resp: 1423

Ion Ratio Lower Upper

43 100

58 35.9 21.9 32.9#



#24

1,1-Dichloroethane

Concen: 1.476 ug/l

RT: 3.617 min Scan# 415

Delta R.T. 0.006 min

Lab File: VX038737.D

Acq: 10 Nov 2023 18:29

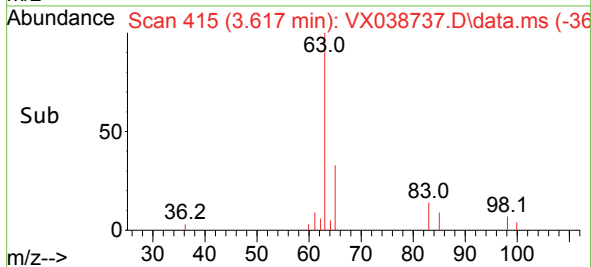
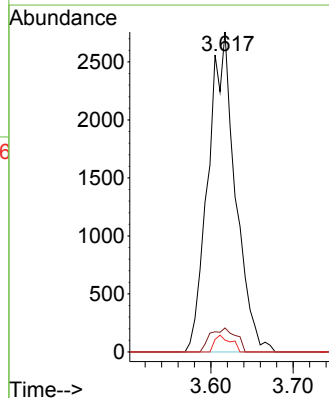
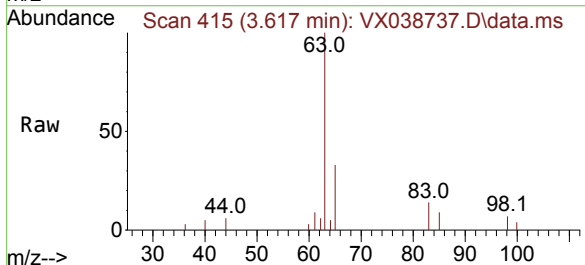
Tgt Ion: 63 Resp: 6336

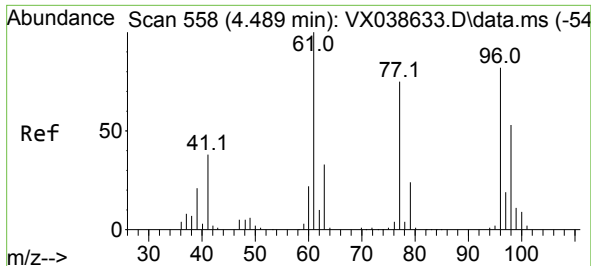
Ion Ratio Lower Upper

63 100

98 7.5 3.3 9.8

100 3.7 2.1 6.5





#27

cis-1,2-Dichloroethene

Concen: 3.173 ug/l

RT: 4.495 min Scan# 51

Delta R.T. 0.006 min

Lab File: VX038737.D

Acq: 10 Nov 2023 18:29

Instrument :

MSVOA_X

ClientSampleId :

RE132D7-20231108

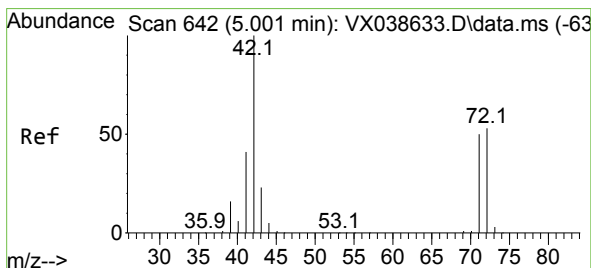
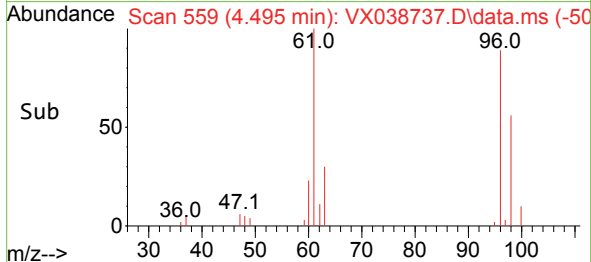
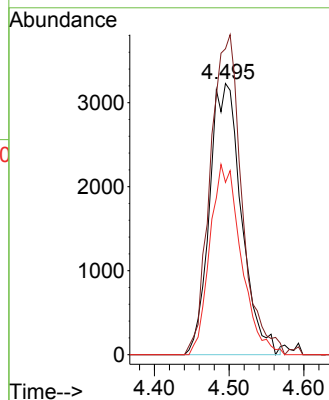
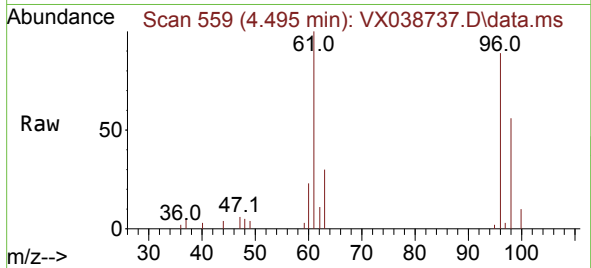
Tgt Ion: 96 Resp: 9586

Ion Ratio Lower Upper

96 100

61 116.3 0.0 312.2

98 68.5 0.0 129.0



#29

Tetrahydrofuran

Concen: 0.671 ug/l

RT: 5.038 min Scan# 648

Delta R.T. 0.037 min

Lab File: VX038737.D

Acq: 10 Nov 2023 18:29

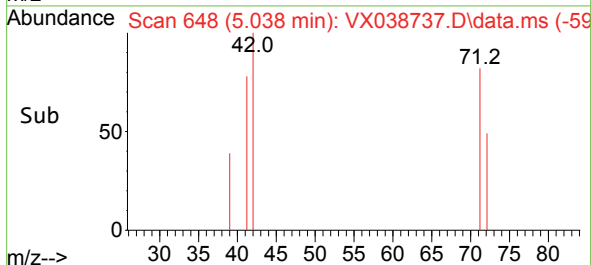
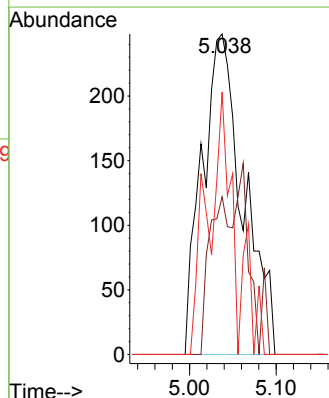
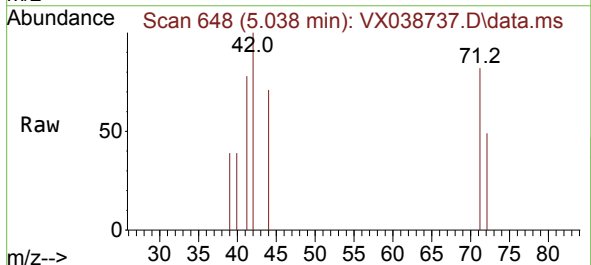
Tgt Ion: 42 Resp: 816

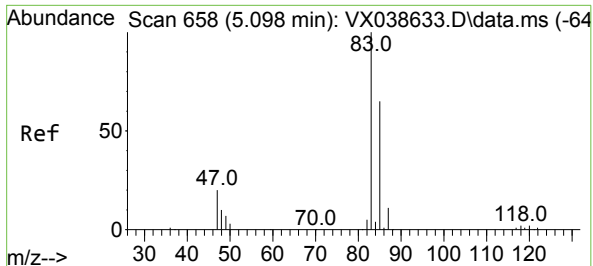
Ion Ratio Lower Upper

42 100

72 27.1 34.2 51.4#

71 44.0 32.2 48.2





#30

Chloroform

Concen: 1.176 ug/l

RT: 5.099 min Scan# 61

Delta R.T. 0.000 min

Lab File: VX038737.D

Acq: 10 Nov 2023 18:29

Instrument :

MSVOA_X

ClientSampleId :

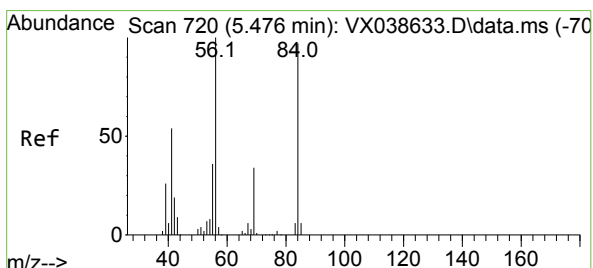
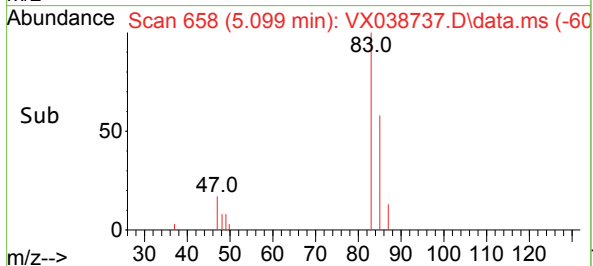
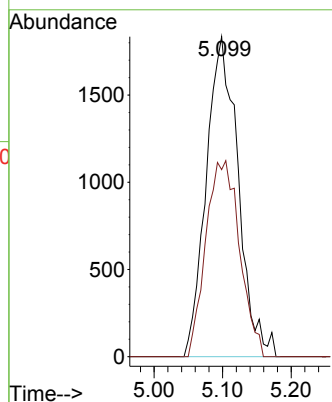
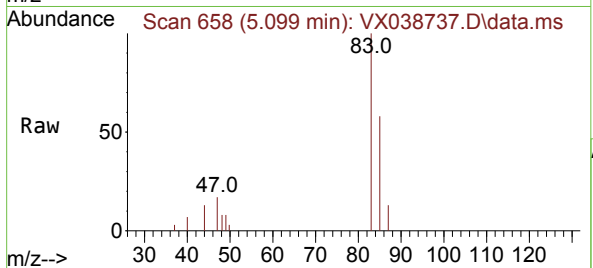
RE132D7-20231108

Tgt Ion: 83 Resp: 5924

Ion Ratio Lower Upper

83 100

85 58.5 50.3 75.5



#31

Cyclohexane

Concen: 1.091 ug/l

RT: 5.562 min Scan# 734

Delta R.T. 0.086 min

Lab File: VX038737.D

Acq: 10 Nov 2023 18:29

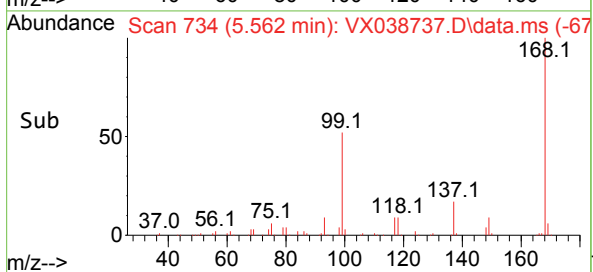
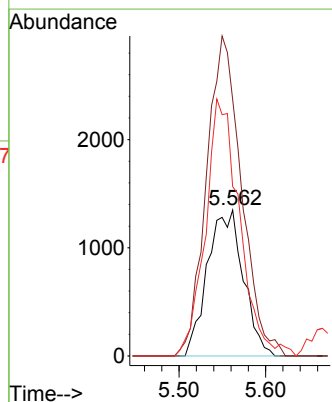
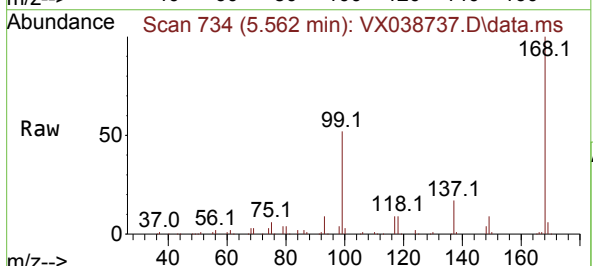
Tgt Ion: 56 Resp: 3870

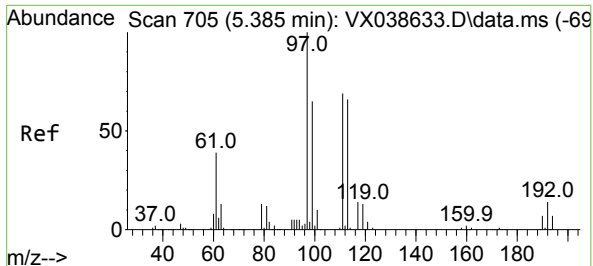
Ion Ratio Lower Upper

56 100

69 171.5 23.4 35.2#

84 112.0 65.9 98.9#

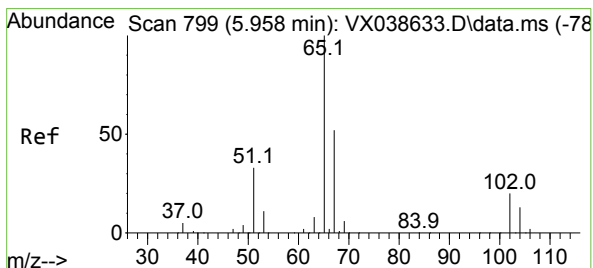
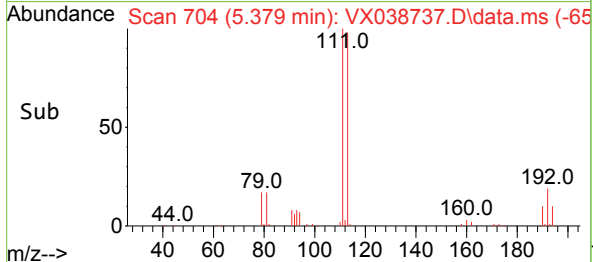
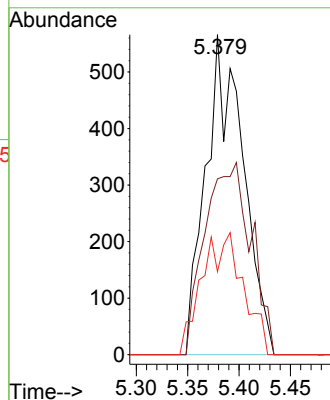
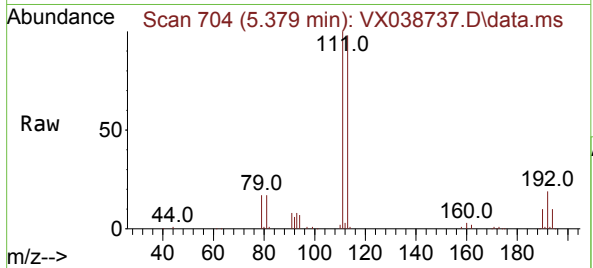




#32
1,1,1-Trichloroethane
Concen: 0.323 ug/l
RT: 5.379 min Scan# 704
Delta R.T. -0.006 min
Lab File: VX038737.D
Acq: 10 Nov 2023 18:29

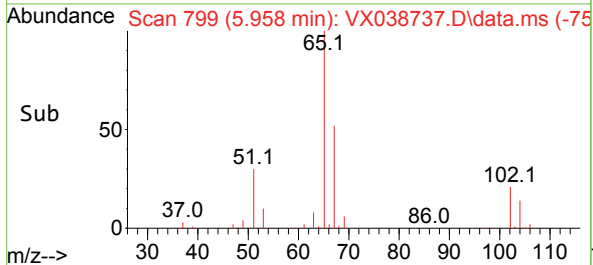
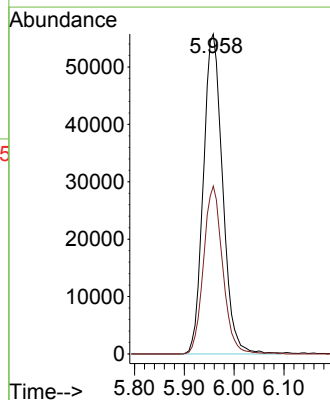
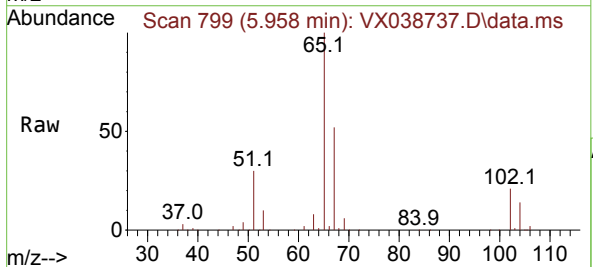
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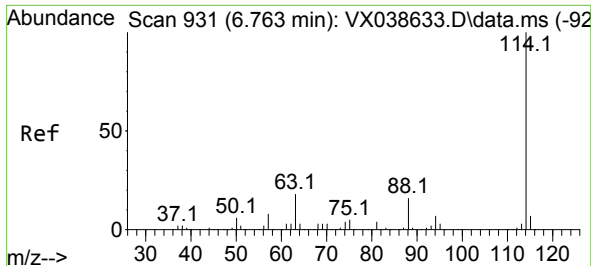
Tgt Ion: 97 Resp: 1432
Ion Ratio Lower Upper
97 100
99 0.0 51.1 76.7#
61 42.0 36.4 54.6



#33
1,2-Dichloroethane-d4
Concen: 46.705 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.000 min
Lab File: VX038737.D
Acq: 10 Nov 2023 18:29

Tgt Ion: 65 Resp: 149722
Ion Ratio Lower Upper
65 100
67 52.0 0.0 100.2

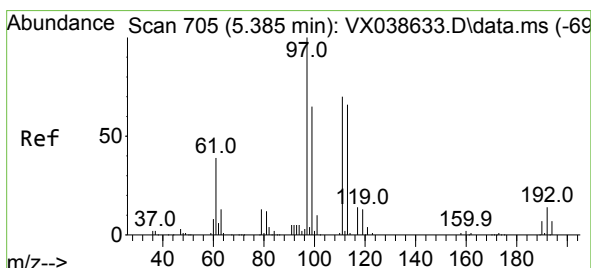
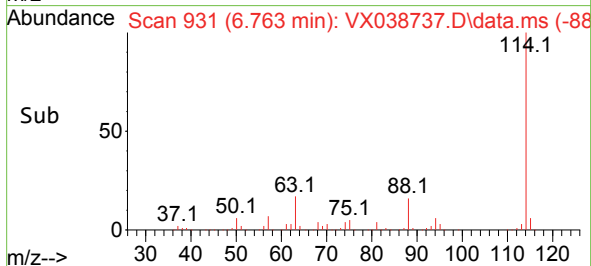
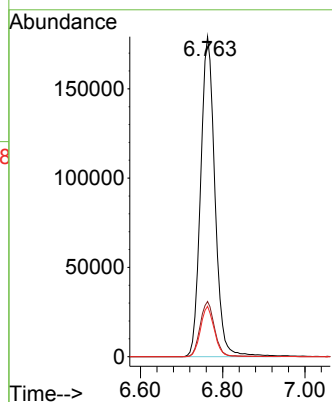
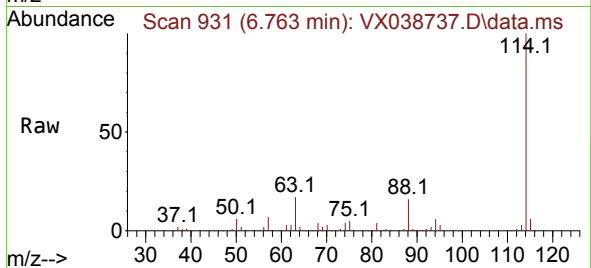




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. 0.000 min
Lab File: VX038737.D
Acq: 10 Nov 2023 18:29

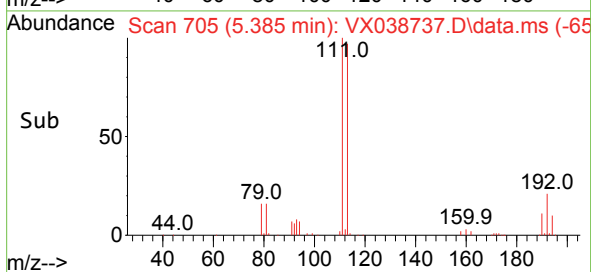
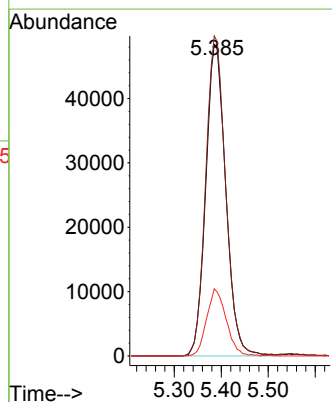
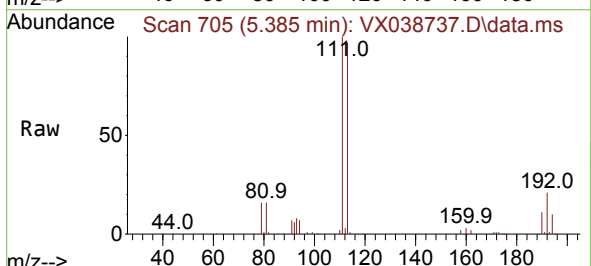
Instrument :
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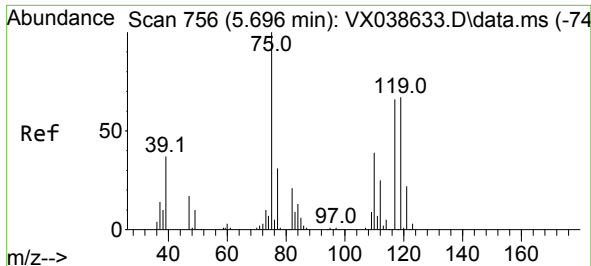
Tgt Ion:114 Resp: 433091
Ion Ratio Lower Upper
114 100
63 17.2 0.0 45.0
88 15.7 0.0 36.6



#35
Dibromofluoromethane
Concen: 45.960 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX038737.D
Acq: 10 Nov 2023 18:29

Tgt Ion:113 Resp: 143361
Ion Ratio Lower Upper
113 100
111 102.4 82.9 124.3
192 21.0 13.3 19.9#

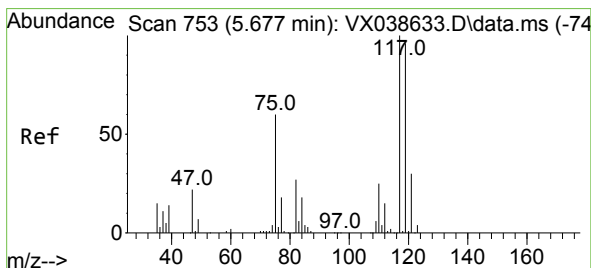
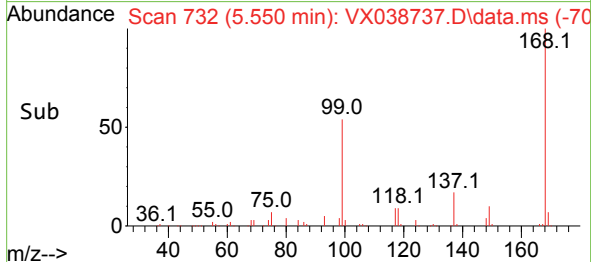
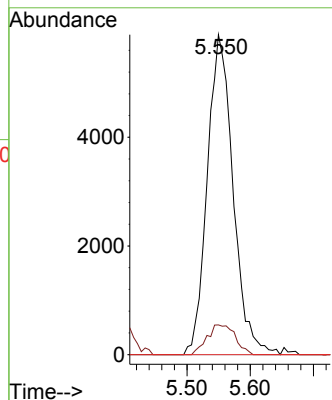
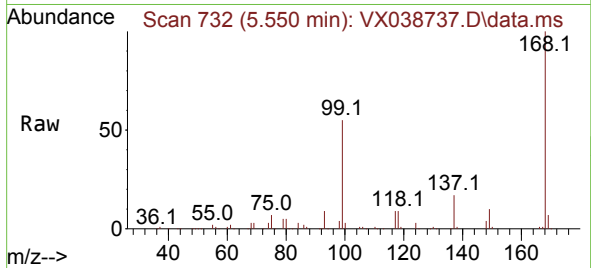




#36
1,1-Dichloropropene
Concen: 4.299 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.146 min
Lab File: VX038737.D
Acq: 10 Nov 2023 18:29

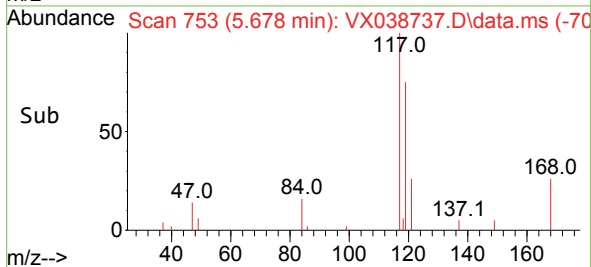
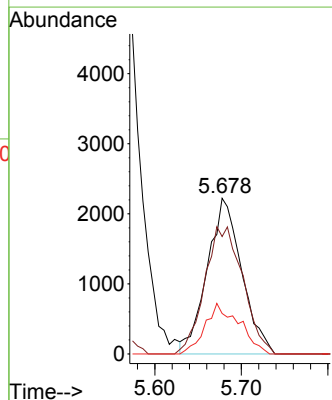
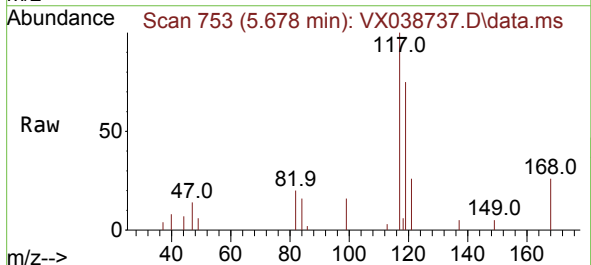
Instrument :
MSVOA_X
ClientSampleId :
RE132D7-20231108

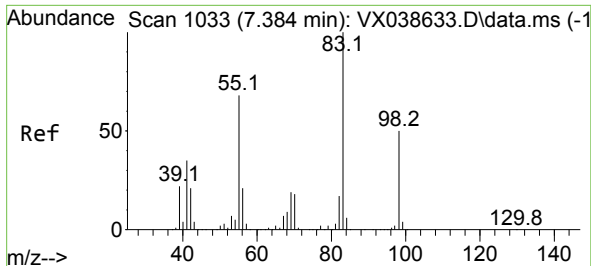
Tgt Ion: 75 Resp: 16656
Ion Ratio Lower Upper
75 100
110 10.2 17.0 50.9#
77 0.0 24.7 37.1#



#38
Carbon Tetrachloride
Concen: 1.419 ug/l
RT: 5.678 min Scan# 753
Delta R.T. 0.000 min
Lab File: VX038737.D
Acq: 10 Nov 2023 18:29

Tgt Ion: 117 Resp: 6147
Ion Ratio Lower Upper
117 100
119 75.4 78.2 117.2#
121 26.0 24.4 36.6





#39

Methylcyclohexane

Concen: 9.646 ug/l

RT: 7.129 min Scan# 91

Delta R.T. -0.256 min

Lab File: VX038737.D

Acq: 10 Nov 2023 18:29

Instrument :

MSVOA_X

ClientSampleId :

RE132D7-20231108

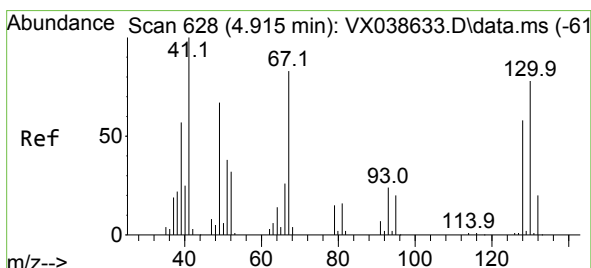
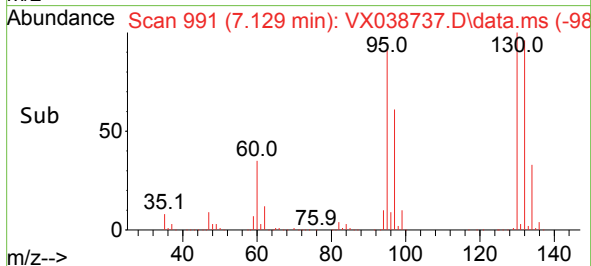
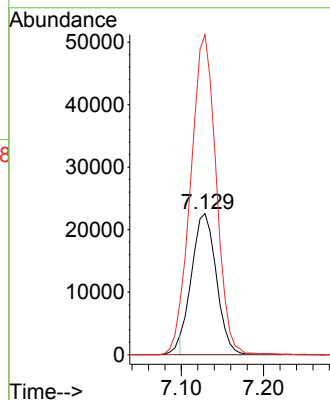
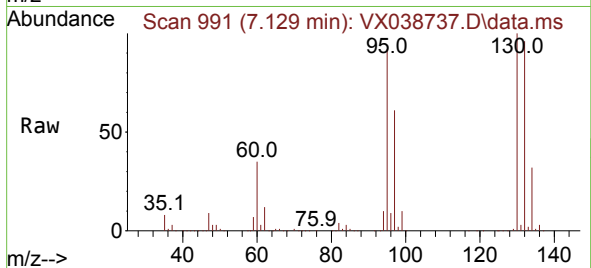
Tgt Ion: 83 Resp: 46728

Ion Ratio Lower Upper

83 100

55 0.0 64.6 97.0#

98 226.4 36.7 55.1#



#41

Methacrylonitrile

Concen: 0.292 ug/l

RT: 5.025 min Scan# 646

Delta R.T. 0.110 min

Lab File: VX038737.D

Acq: 10 Nov 2023 18:29

Tgt Ion: 41 Resp: 588

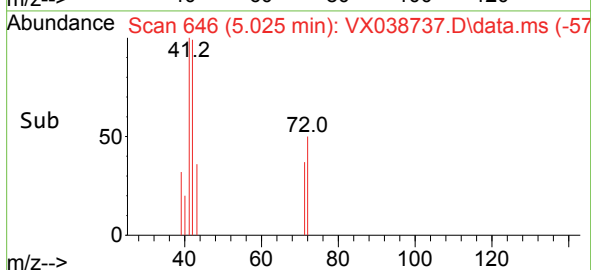
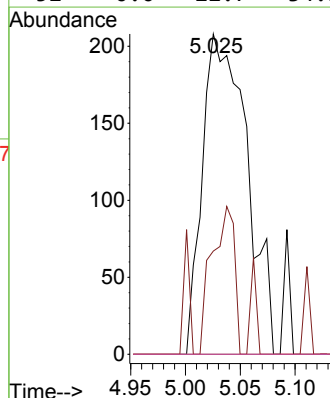
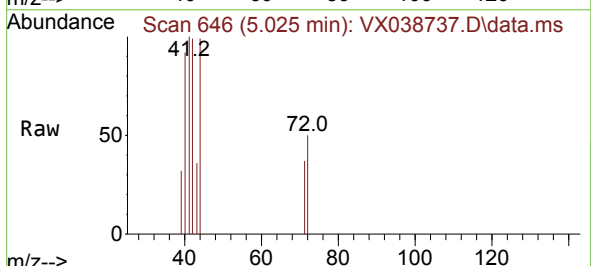
Ion Ratio Lower Upper

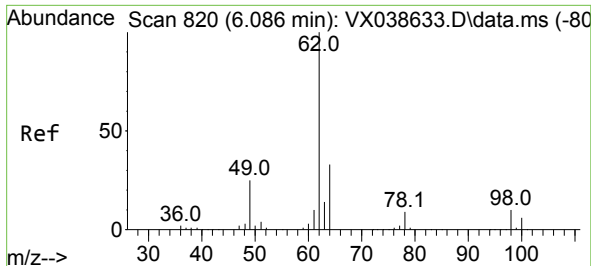
41 100

39 23.6 45.2 67.8#

67 0.0 52.6 78.8#

52 0.0 22.7 34.1#





#42

1,2-Dichloroethane

Concen: 0.318 ug/l

RT: 6.098 min Scan# 81

Delta R.T. 0.012 min

Lab File: VX038737.D

Acq: 10 Nov 2023 18:29

Instrument :

MSVOA_X

ClientSampleId :

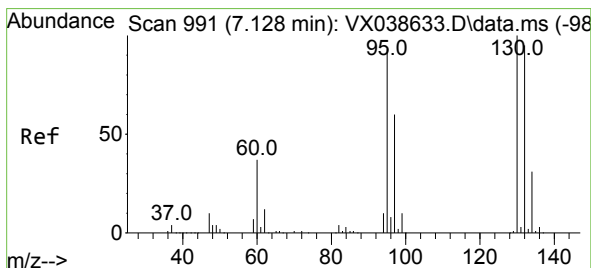
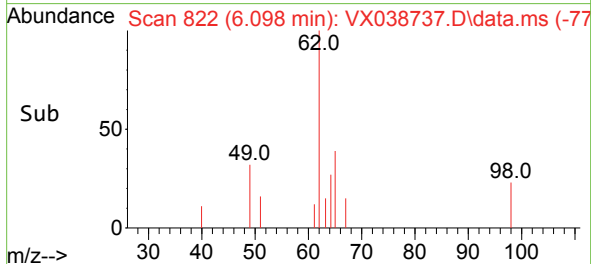
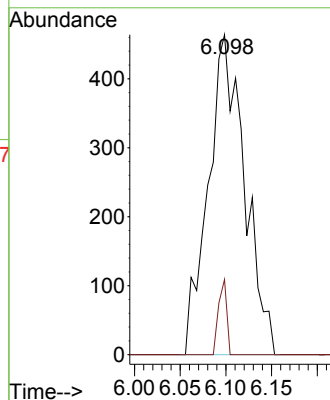
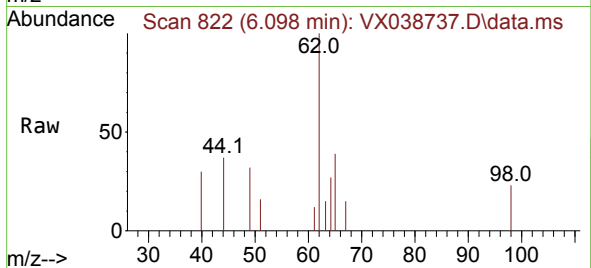
RE132D7-20231108

Tgt Ion: 62 Resp: 1280

Ion Ratio Lower Upper

62 100

98 5.2 0.0 16.0



#44

Trichloroethene

Concen: 1307.890 ug/l

RT: 7.129 min Scan# 991

Delta R.T. 0.000 min

Lab File: VX038737.D

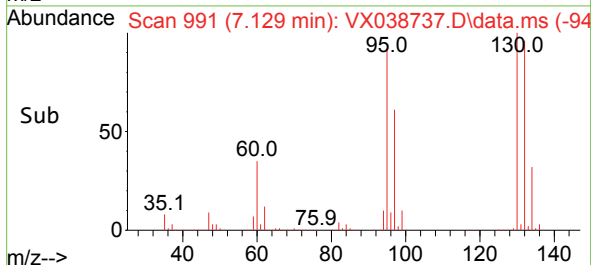
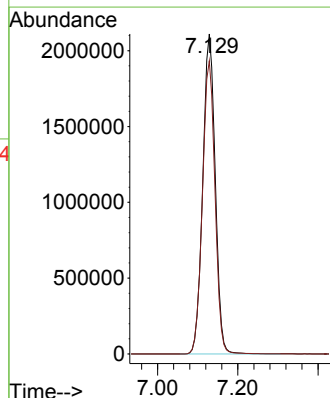
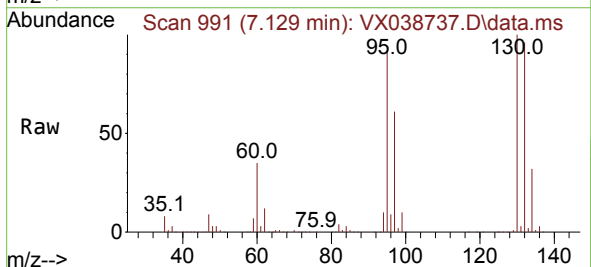
Acq: 10 Nov 2023 18:29

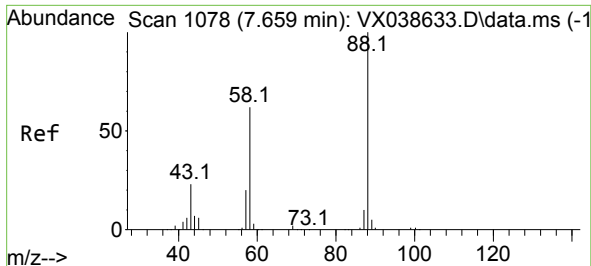
Tgt Ion:130 Resp: 4541536

Ion Ratio Lower Upper

130 100

95 91.6 0.0 204.4





#49

1,4-Dioxane

Concen: 12.229 ug/l

RT: 7.683 min Scan# 1078

Delta R.T. 0.025 min

Lab File: VX038737.D

Acq: 10 Nov 2023 18:29

Instrument :

MSVOA_X

ClientSampleId :

RE132D7-20231108

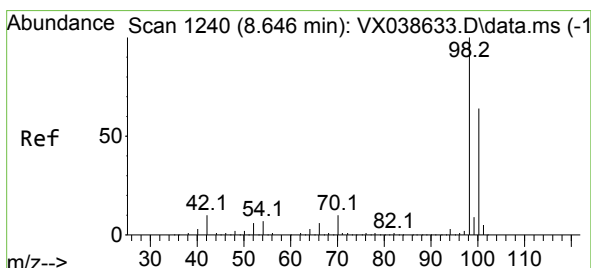
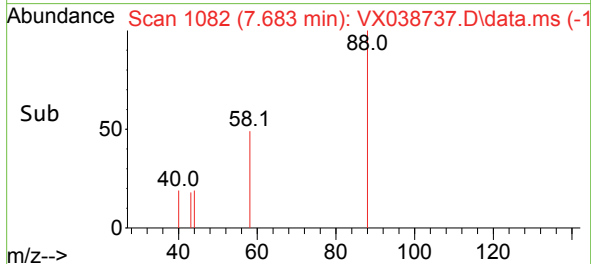
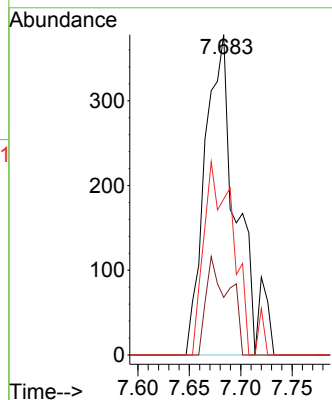
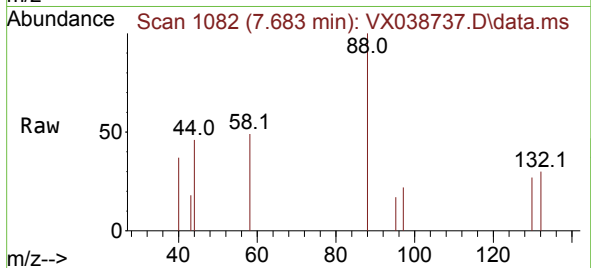
Tgt Ion: 88 Resp: 816

Ion Ratio Lower Upper

88 100

43 22.1 0.0 0.0#

58 54.4 60.1 90.1#



#50

Toluene-d8

Concen: 45.926 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. 0.000 min

Lab File: VX038737.D

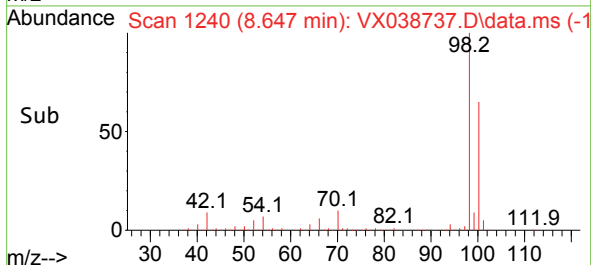
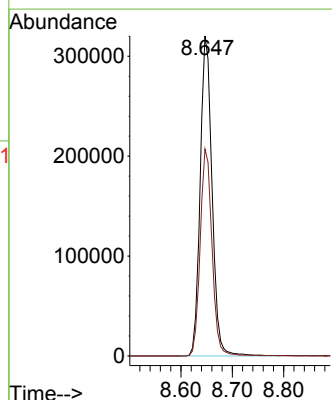
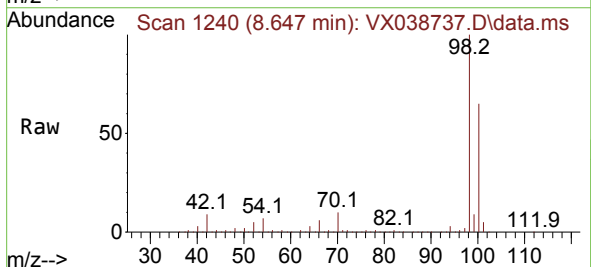
Acq: 10 Nov 2023 18:29

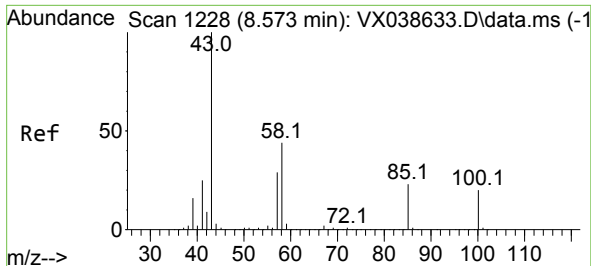
Tgt Ion: 98 Resp: 512617

Ion Ratio Lower Upper

98 100

100 64.5 53.1 79.7

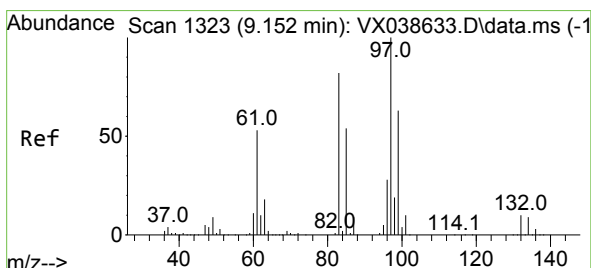
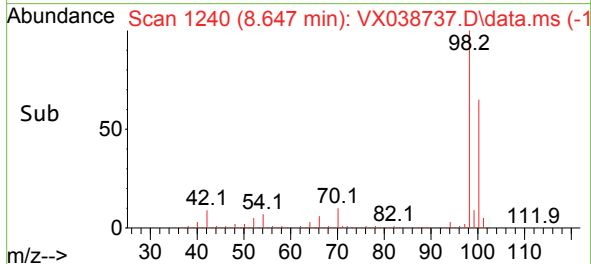
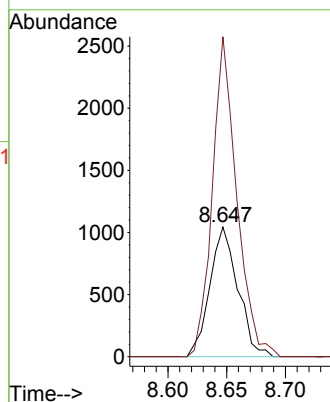
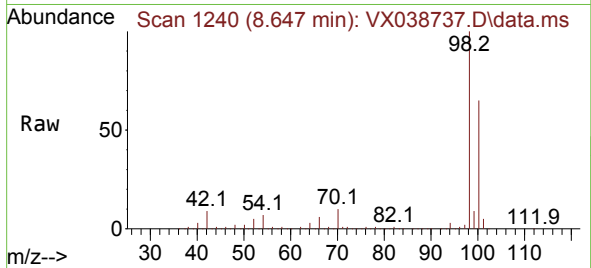




#51
4-Methyl-2-Pentanone
Concen: 0.438 ug/l
RT: 8.647 min Scan# 11
Delta R.T. 0.073 min
Lab File: VX038737.D
Acq: 10 Nov 2023 18:29

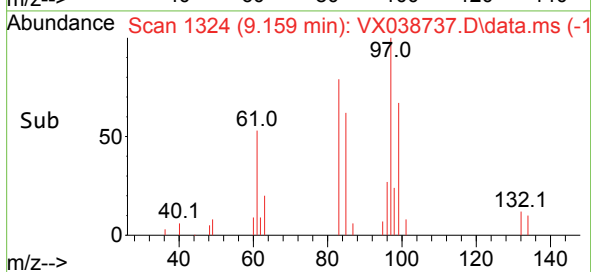
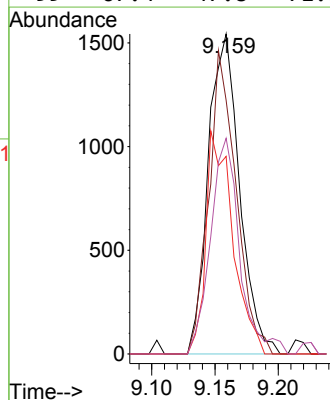
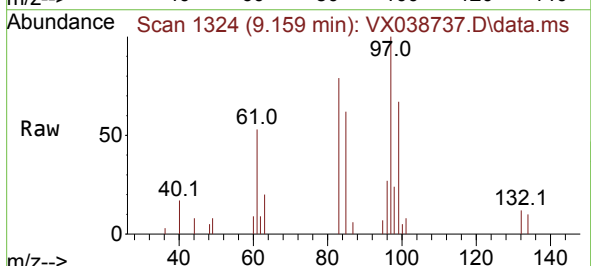
Instrument :
MSVOA_X
ClientSampleId :
RE132D7-20231108

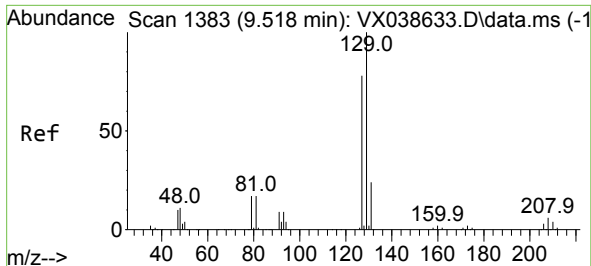
Tgt Ion: 43 Resp: 1735
Ion Ratio Lower Upper
43 100
58 214.6 30.4 45.6#



#55
1,1,2-Trichloroethane
Concen: 0.854 ug/l
RT: 9.159 min Scan# 1324
Delta R.T. 0.006 min
Lab File: VX038737.D
Acq: 10 Nov 2023 18:29

Tgt Ion: 97 Resp: 2649
Ion Ratio Lower Upper
97 100
83 79.3 65.8 98.8
85 61.8 41.6 62.4
99 67.4 47.8 71.8

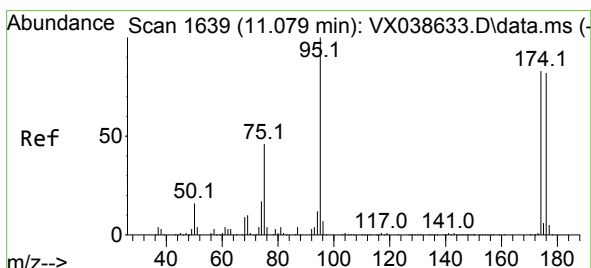
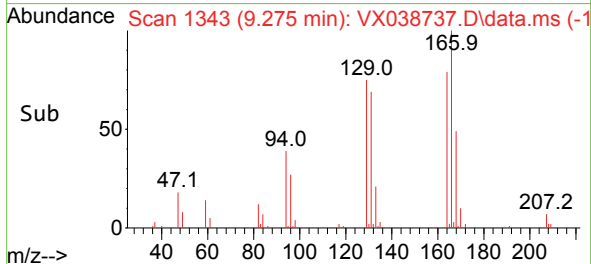
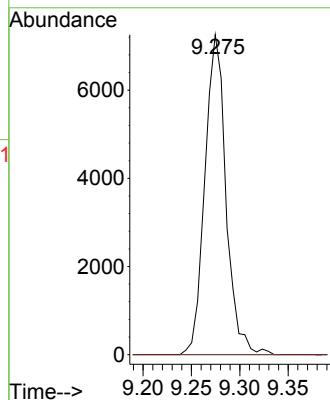
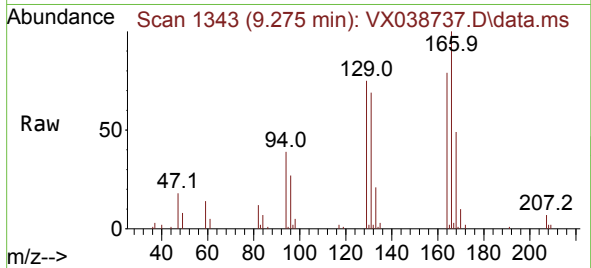




#60
Dibromochloromethane
Concen: 3.179 ug/l
RT: 9.275 min Scan# 11
Delta R.T. -0.244 min
Lab File: VX038737.D
Acq: 10 Nov 2023 18:29

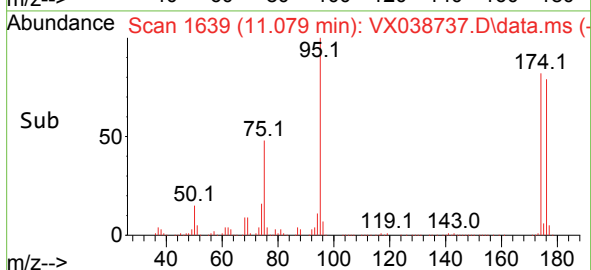
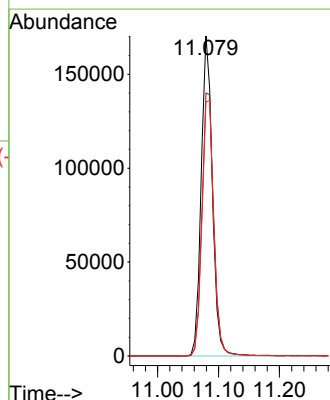
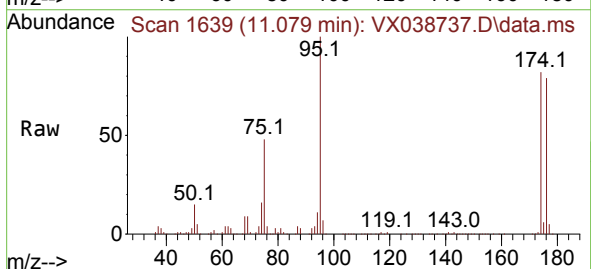
Instrument :
MSVOA_X
ClientSampleId :
RE132D7-20231108

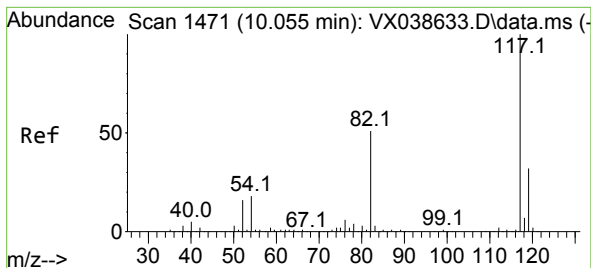
Tgt Ion:129 Resp: 11070
Ion Ratio Lower Upper
129 100
127 0.0 38.8 116.4#



#62
4-Bromofluorobenzene
Concen: 50.085 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX038737.D
Acq: 10 Nov 2023 18:29

Tgt Ion: 95 Resp: 216747
Ion Ratio Lower Upper
95 100
174 87.5 0.0 135.6
176 84.7 0.0 131.0

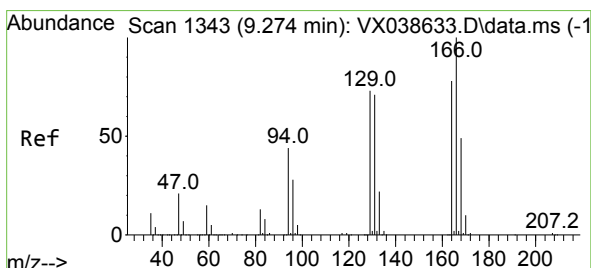
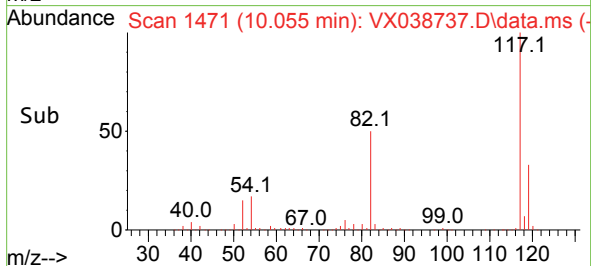
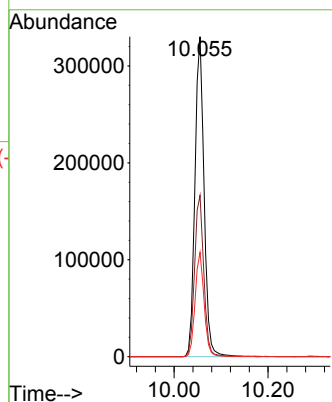
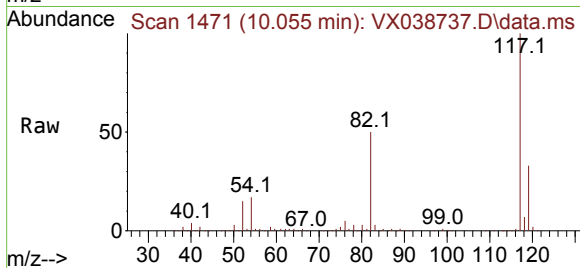




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX038737.D
Acq: 10 Nov 2023 18:29

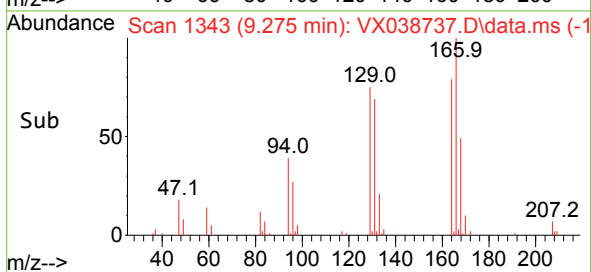
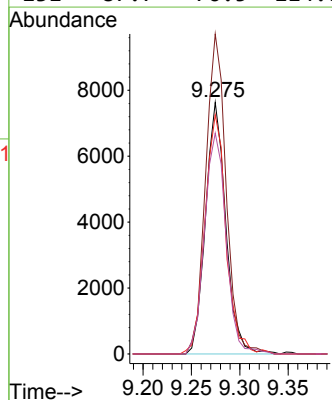
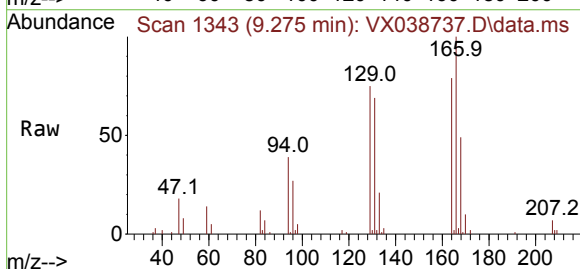
Instrument :
MSVOA_X
ClientSampleId :
RE132D7-20231108

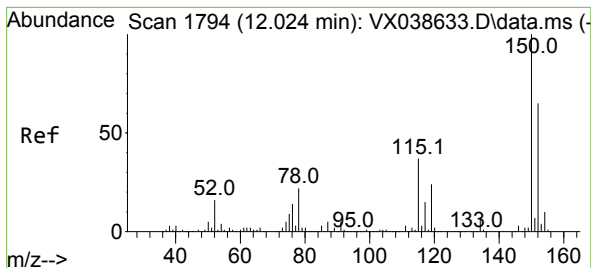
Tgt Ion:117 Resp: 449841
Ion Ratio Lower Upper
117 100
82 50.4 46.2 69.4
119 32.6 25.5 38.3



#64
Tetrachloroethene
Concen: 3.305 ug/l
RT: 9.275 min Scan# 1343
Delta R.T. 0.000 min
Lab File: VX038737.D
Acq: 10 Nov 2023 18:29

Tgt Ion:164 Resp: 11129
Ion Ratio Lower Upper
164 100
166 127.2 102.7 154.1
129 95.1 80.4 120.6
131 87.7 76.5 114.7





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.024 min Scan# 1

Delta R.T. 0.000 min

Lab File: VX038737.D

Acq: 10 Nov 2023 18:29

Instrument :

MSVOA_X

ClientSampleId :

RE132D7-20231108

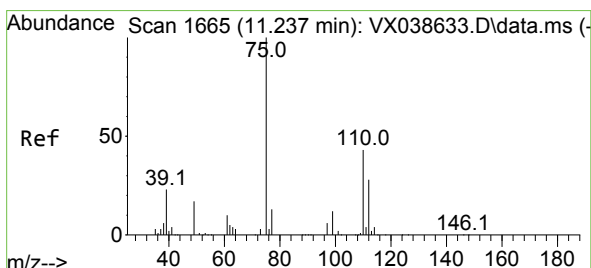
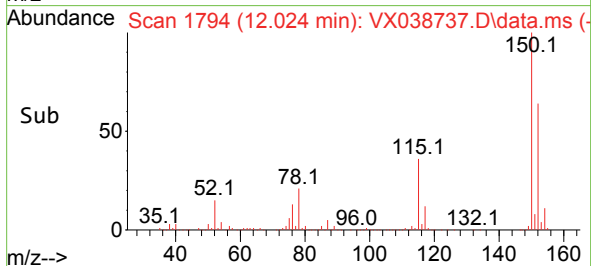
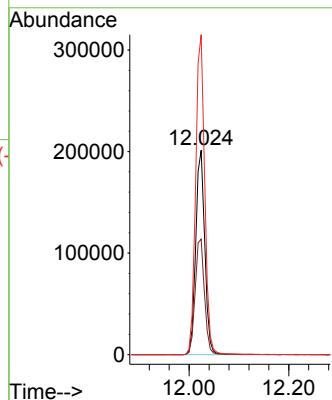
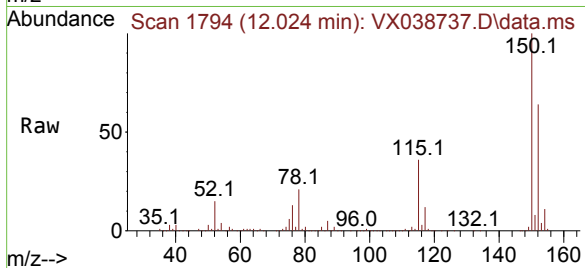
Tgt Ion:152 Resp: 254508

Ion Ratio Lower Upper

152 100

115 58.0 43.3 129.9

150 156.5 0.0 345.0



#76

1,2,3-Trichloropropane

Concen: 20.614 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.158 min

Lab File: VX038737.D

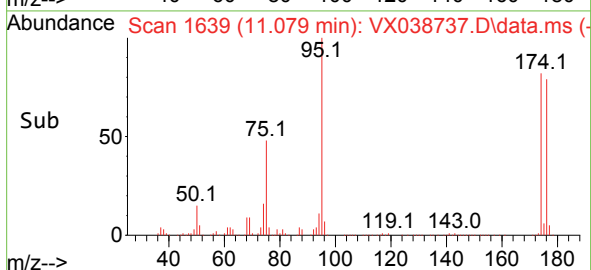
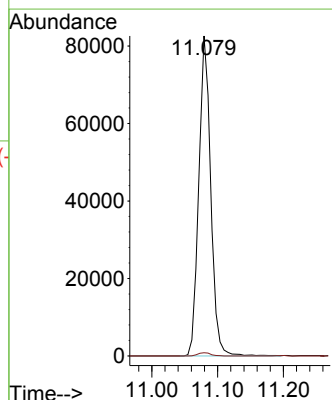
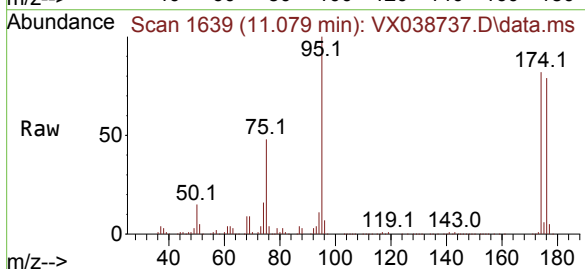
Acq: 10 Nov 2023 18:29

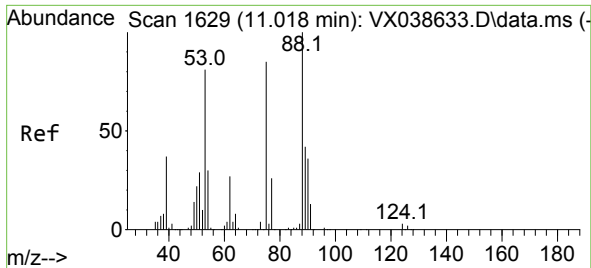
Tgt Ion: 75 Resp: 103907

Ion Ratio Lower Upper

75 100

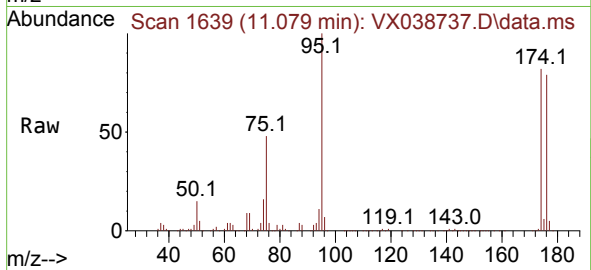
77 1.1 19.1 57.5#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 62.792 ug/l
 RT: 11.079 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX038737.D
 Acq: 10 Nov 2023 18:29

Instrument :
 MSVOA_X
 ClientSampleId :
 RE132D7-20231108



Tgt Ion: 75 Resp: 103907
 Ion Ratio Lower Upper
 75 100
 53 0.0 90.5 135.7#
 89 0.0 36.9 55.3#

