

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082523\
 Data File : VX037276.D
 Acq On : 25 Aug 2023 17:10
 Operator : JC/MD
 Sample : 04095-14
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 RE134D2-20230818

Quant Time: Aug 26 02:23:40 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081723W.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 18 09:30:38 2023
 Response via : Initial Calibration

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

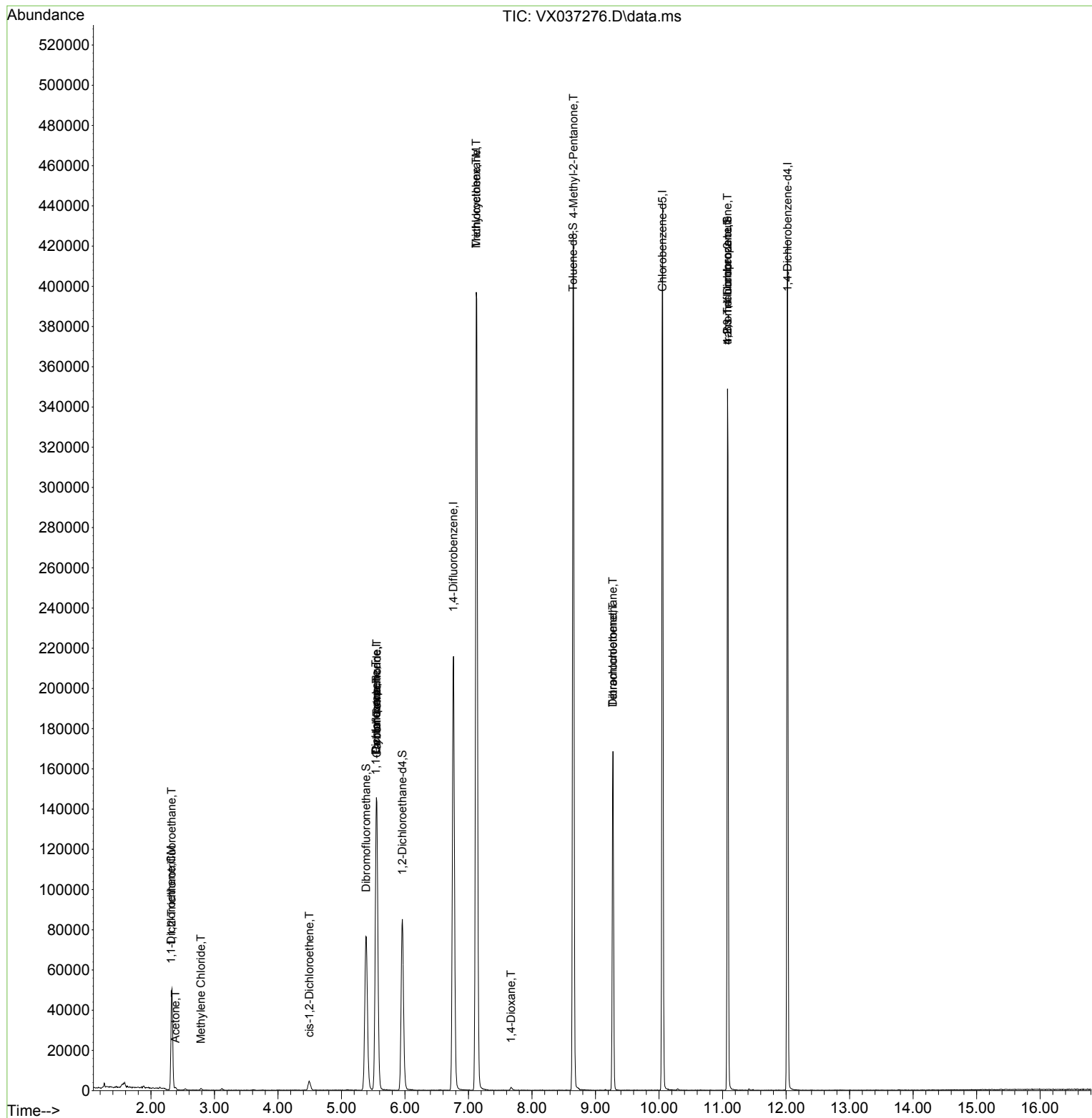
Internal Standards						
1) Pentafluorobenzene	5.550	168	136738	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	226725	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	201466	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	89154	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	84927	43.081	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	86.160%
35) Dibromofluoromethane	5.385	113	69550	46.319	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	92.640%
50) Toluene-d8	8.647	98	264861	48.628	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	97.260%
62) 4-Bromofluorobenzene	11.079	95	96674	45.165	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	90.320%
Target Compounds						
					Qvalue	
9) 1,1,2-Trichlorotrifluo...	2.325	101	20413	14.122	ug/l	98
12) 1,1-Dichloroethene	2.319	96	551	0.391	ug/l #	71
16) Acetone	2.386	43	613	0.795	ug/l	98
20) Methylene Chloride	2.788	84	440	0.255	ug/l #	76
27) cis-1,2-Dichloroethene	4.495	96	3264	1.730	ug/l	78
31) Cyclohexane	5.550	56	2783	1.256	ug/l #	1
36) 1,1-Dichloropropene	5.544	75	10913	5.116	ug/l #	51
38) Carbon Tetrachloride	5.556	117	14481	6.249	ug/l #	15
39) Methylcyclohexane	7.123	83	1821	0.812	ug/l #	1
44) Trichloroethene	7.123	130	159945	92.194	ug/l	98
49) 1,4-Dioxane	7.671	88	1354	29.798	ug/l #	90
51) 4-Methyl-2-Pentanone	8.653	43	934	0.445	ug/l #	1
60) Dibromochloromethane	9.275	129	31073	17.730	ug/l #	11
64) Tetrachloroethene	9.275	164	31674	21.551	ug/l	99
76) 1,2,3-Trichloropropane	11.079	75	49193	25.909	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.079	75	49193	72.365	ug/l #	5

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

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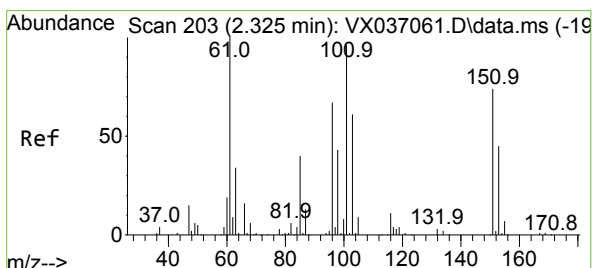
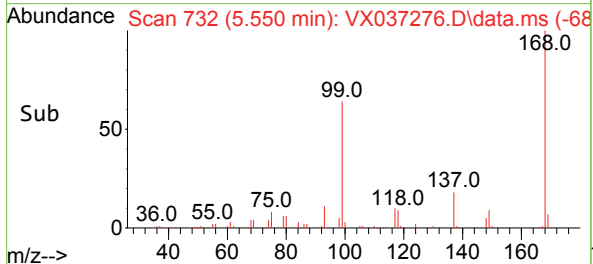
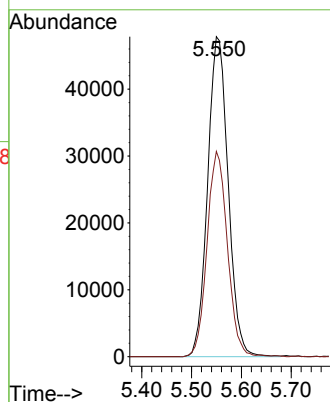
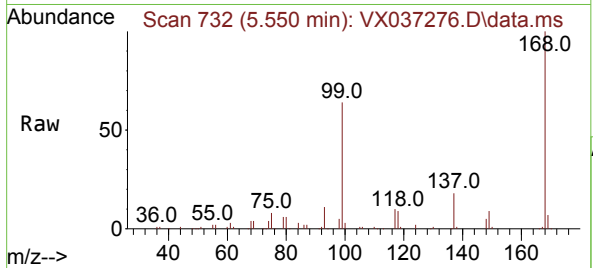




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.000 min
Lab File: VX037276.D
Acq: 25 Aug 2023 17:10

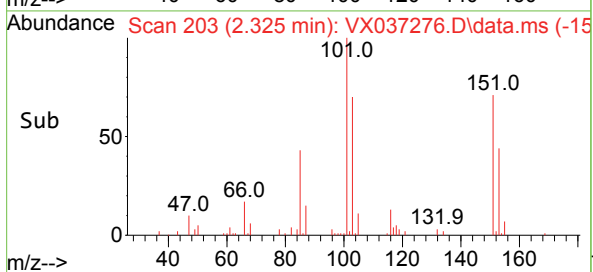
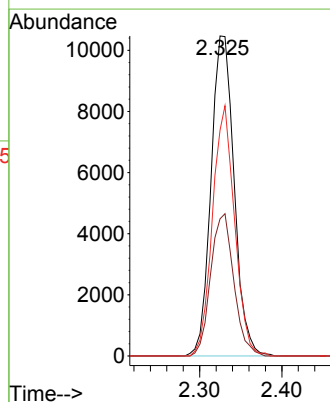
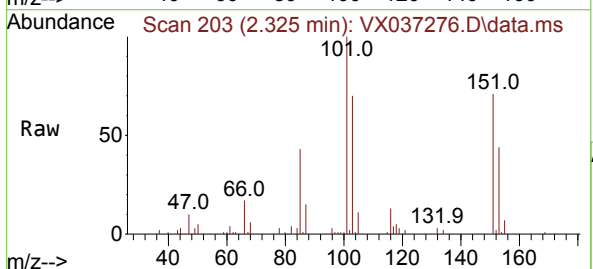
Instrument :
MSVOA_X
ClientSampleId :
RE134D2-20230818

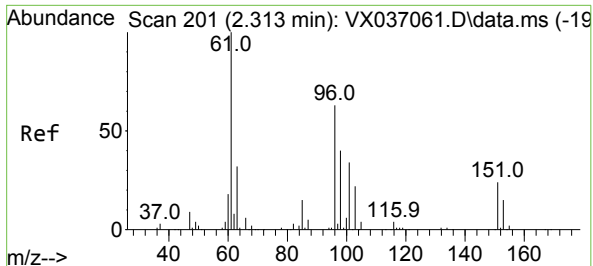
Tgt Ion:168 Resp: 136738
Ion Ratio Lower Upper
168 100
99 64.1 56.6 85.0



#9
1,1,2-Trichlorotrifluoroethane
Concen: 14.122 ug/l
RT: 2.325 min Scan# 203
Delta R.T. 0.000 min
Lab File: VX037276.D
Acq: 25 Aug 2023 17:10

Tgt Ion:101 Resp: 20413
Ion Ratio Lower Upper
101 100
85 44.5 37.0 55.6
151 74.8 58.6 87.8





#12

1,1-Dichloroethene

Concen: 0.391 ug/l

RT: 2.319 min Scan# 201

Delta R.T. 0.006 min

Lab File: VX037276.D

Acq: 25 Aug 2023 17:10

Instrument :

MSVOA_X

ClientSampleId :

RE134D2-20230818

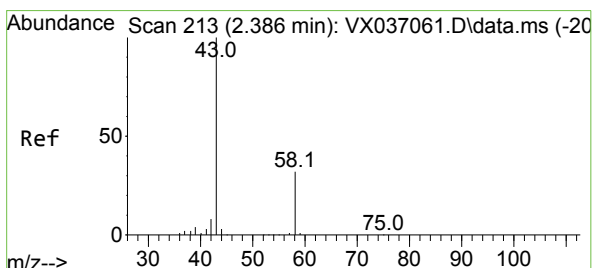
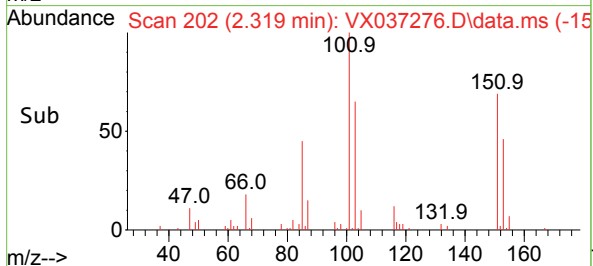
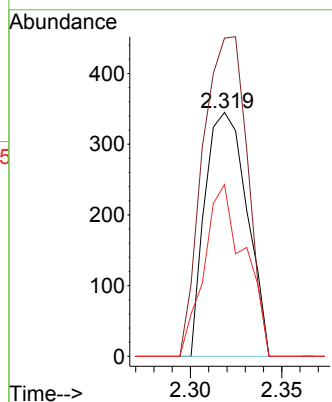
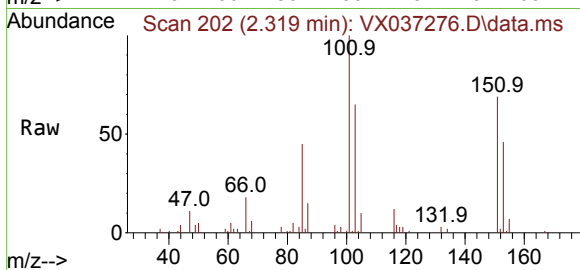
Tgt Ion: 96 Resp: 551

Ion Ratio Lower Upper

96 100

61 130.4 144.6 216.8#

98 70.4 50.4 75.6



#16

Acetone

Concen: 0.795 ug/l

RT: 2.386 min Scan# 213

Delta R.T. 0.000 min

Lab File: VX037276.D

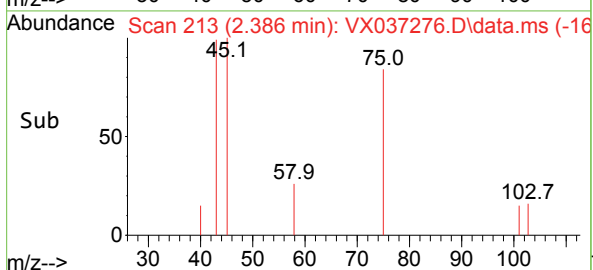
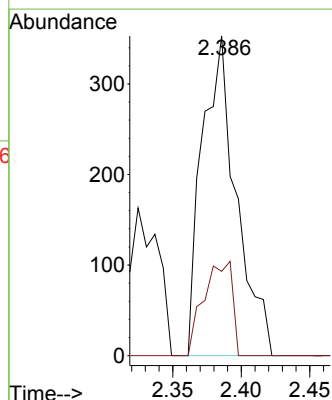
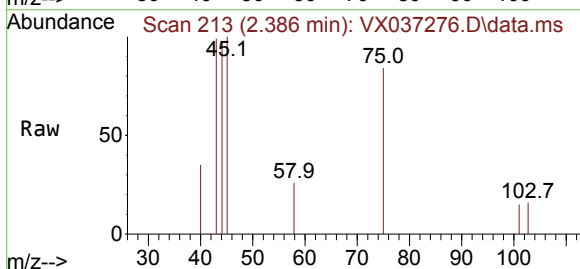
Acq: 25 Aug 2023 17:10

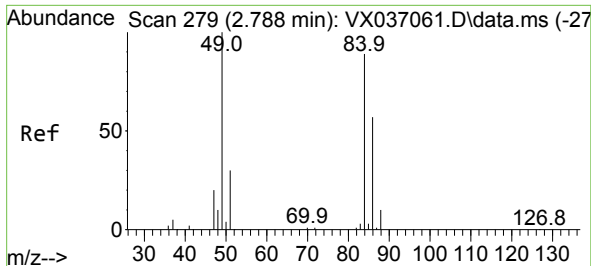
Tgt Ion: 43 Resp: 613

Ion Ratio Lower Upper

43 100

58 26.3 21.9 32.9

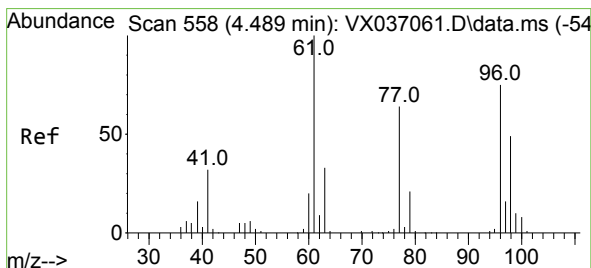
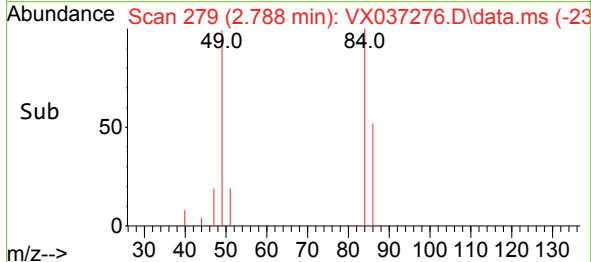
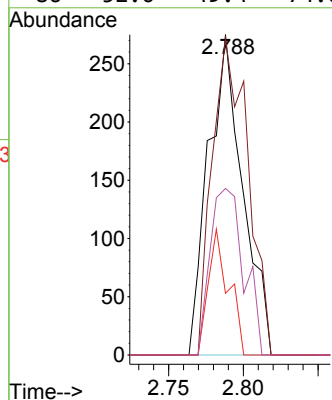
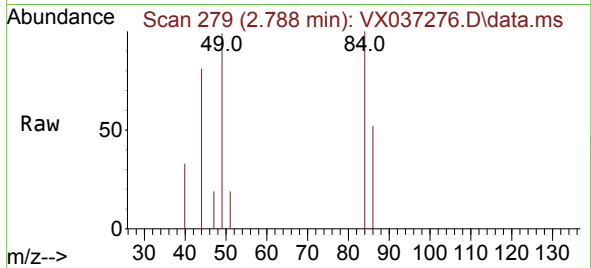




#20
Methylene Chloride
Concen: 0.255 ug/l
RT: 2.788 min Scan# 21
Delta R.T. 0.000 min
Lab File: VX037276.D
Acq: 25 Aug 2023 17:10

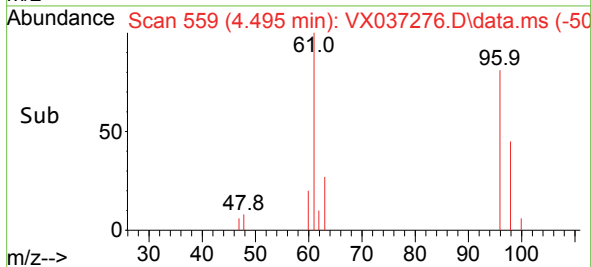
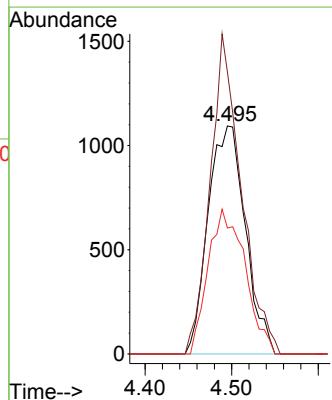
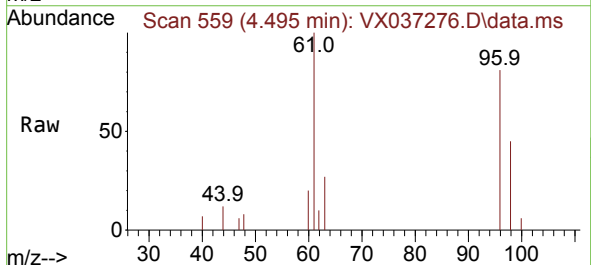
Instrument :
MSVOA_X
ClientSampleId :
RE134D2-20230818

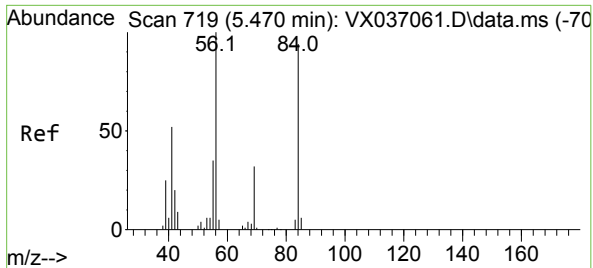
Tgt Ion: 84	Resp: 440
Ion Ratio	Lower Upper
84 100	
49 98.9	103.6 155.4#
51 19.3	33.8 50.6#
86 52.0	49.4 74.0



#27
cis-1,2-Dichloroethene
Concen: 1.730 ug/l
RT: 4.495 min Scan# 559
Delta R.T. 0.006 min
Lab File: VX037276.D
Acq: 25 Aug 2023 17:10

Tgt Ion: 96	Resp: 3264		
Ion Ratio	Lower	Upper	
96 100			
61 117.3	0.0	312.2	
98 63.0	0.0	129.0	

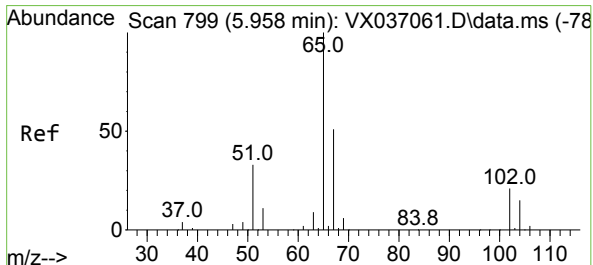
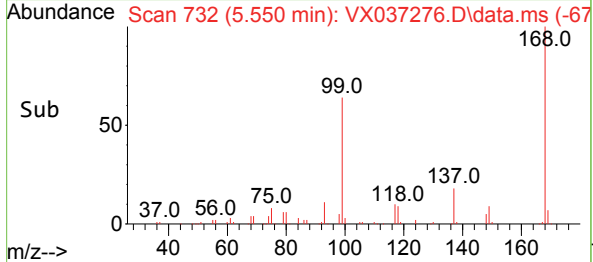
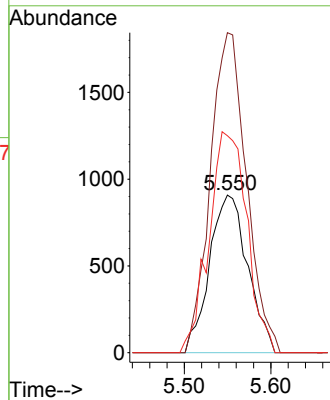
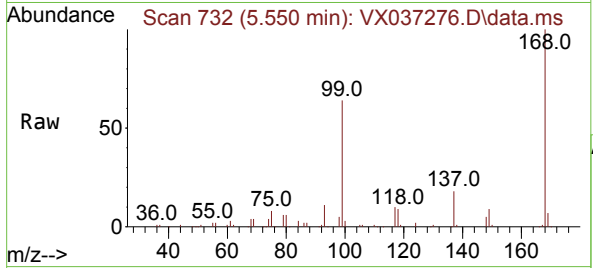




#31
Cyclohexane
Concen: 1.256 ug/l
RT: 5.550 min Scan# 719
Delta R.T. 0.079 min
Lab File: VX037276.D
Acq: 25 Aug 2023 17:10

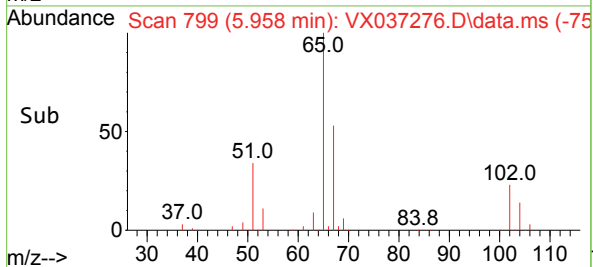
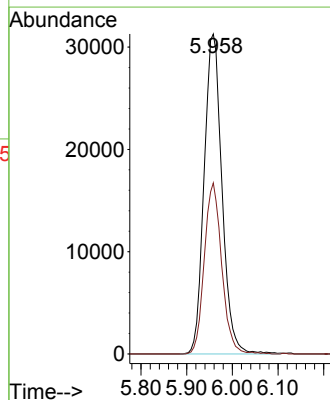
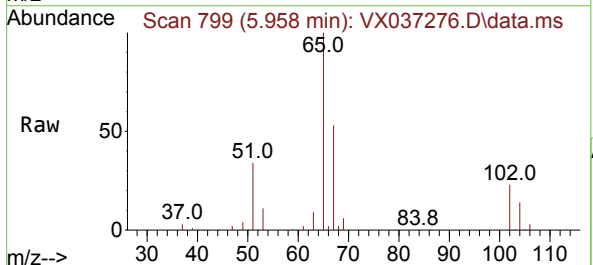
Instrument :
MSVOA_X
ClientSampleId :
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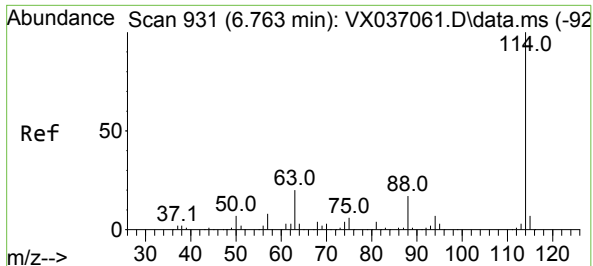
Tgt Ion: 56 Resp: 2783
Ion Ratio Lower Upper
56 100
69 203.1 23.4 35.2#
84 137.7 65.9 98.9#



#33
1,2-Dichloroethane-d4
Concen: 43.081 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.000 min
Lab File: VX037276.D
Acq: 25 Aug 2023 17:10

Tgt Ion: 65 Resp: 84927
Ion Ratio Lower Upper
65 100
67 52.1 0.0 100.2

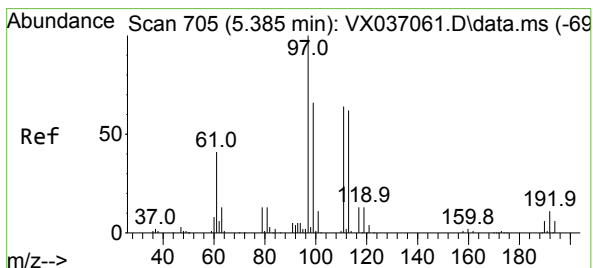
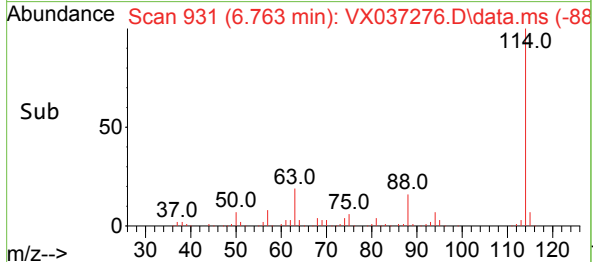
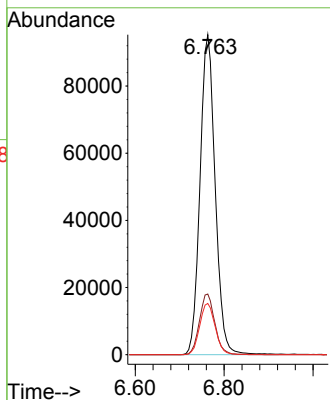
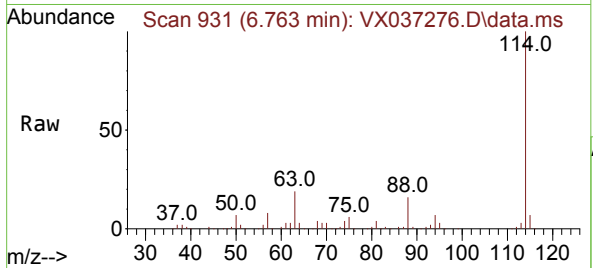




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. 0.000 min
Lab File: VX037276.D
Acq: 25 Aug 2023 17:10

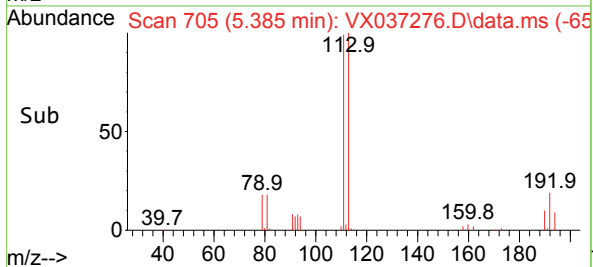
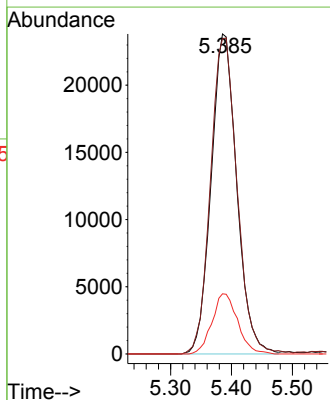
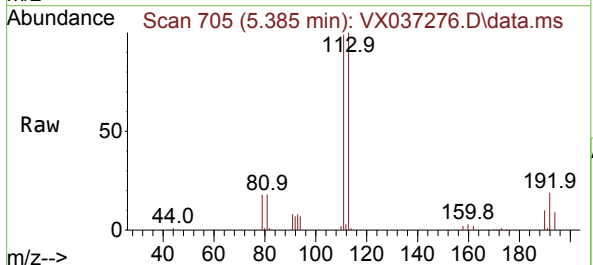
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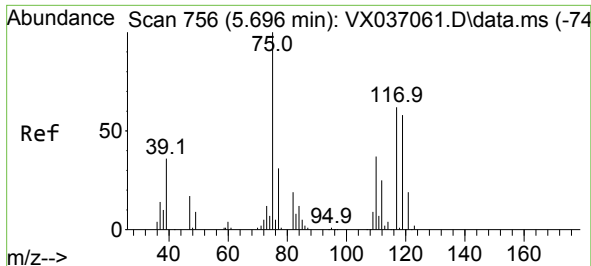
Tgt Ion:114 Resp: 226725
Ion Ratio Lower Upper
114 100
63 19.0 0.0 45.0
88 16.0 0.0 36.6



#35
Dibromofluoromethane
Concen: 46.319 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX037276.D
Acq: 25 Aug 2023 17:10

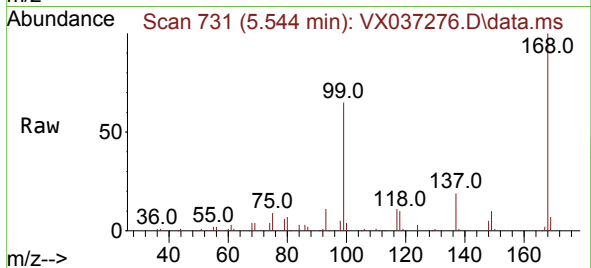
Tgt Ion:113 Resp: 69550
Ion Ratio Lower Upper
113 100
111 102.2 82.9 124.3
192 18.8 13.3 19.9



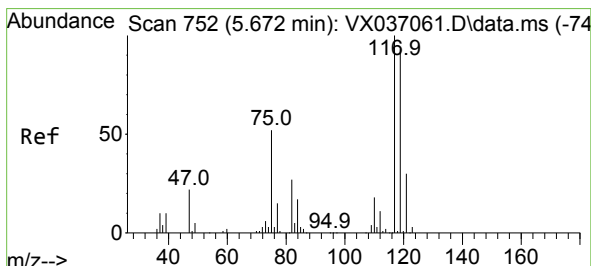
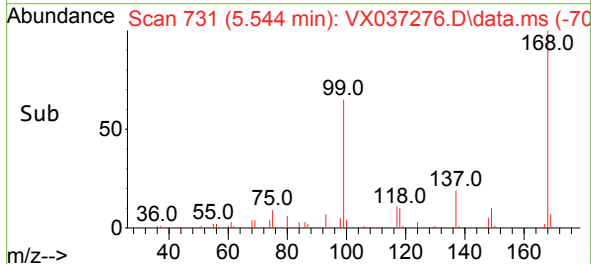
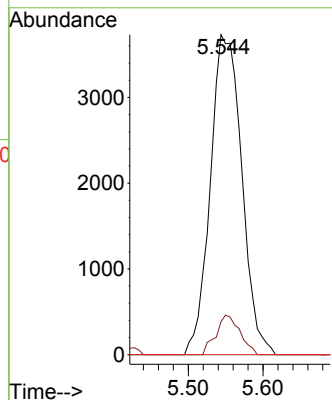


#36
1,1-Dichloropropene
Concen: 5.116 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.152 min
Lab File: VX037276.D
Acq: 25 Aug 2023 17:10

Instrument :
MSVOA_X
ClientSampleId :
RE134D2-20230818

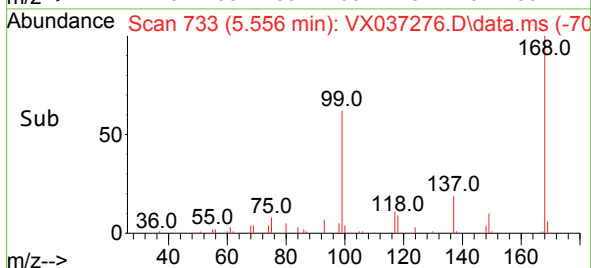
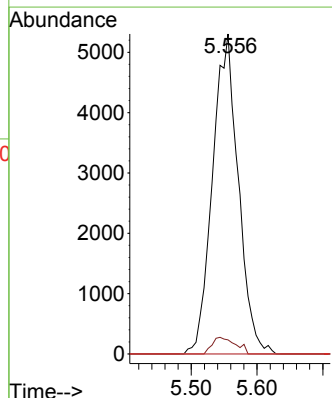
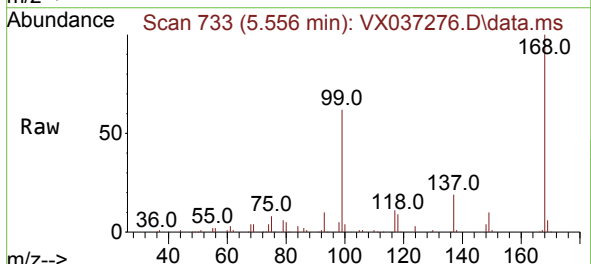


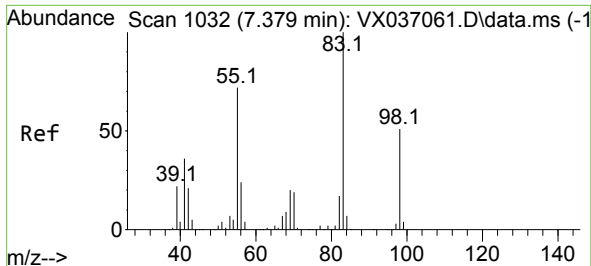
Tgt Ion: 75 Resp: 10913
Ion Ratio Lower Upper
75 100
110 9.5 17.0 50.9#
77 0.0 24.7 37.1#



#38
Carbon Tetrachloride
Concen: 6.249 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.116 min
Lab File: VX037276.D
Acq: 25 Aug 2023 17:10

Tgt Ion: 117 Resp: 14481
Ion Ratio Lower Upper
117 100
119 4.4 78.2 117.2#
121 0.0 24.4 36.6#





#39

Methylcyclohexane

Concen: 0.812 ug/l

RT: 7.123 min Scan# 990

Delta R.T. -0.256 min

Lab File: VX037276.D

Acq: 25 Aug 2023 17:10

Instrument :

MSVOA_X

ClientSampleId :

RE134D2-20230818

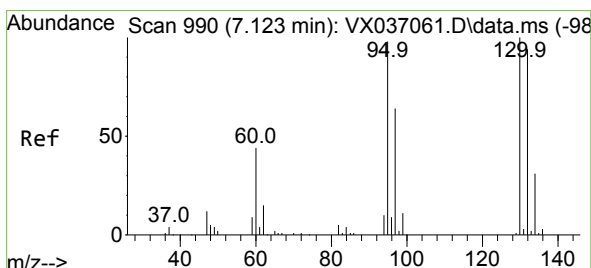
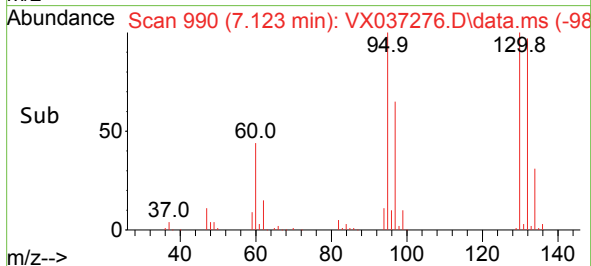
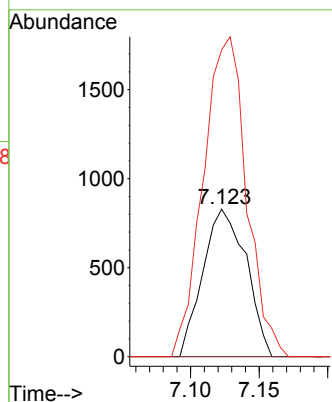
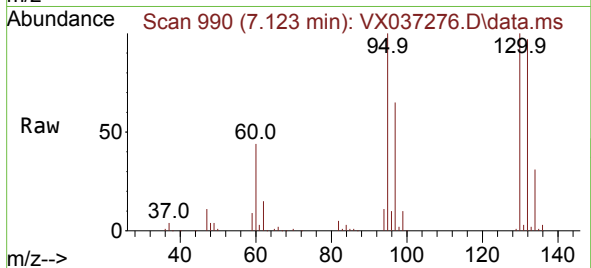
Tgt Ion: 83 Resp: 1821

Ion Ratio Lower Upper

83 100

55 0.0 64.6 97.0#

98 201.3 36.7 55.1#



#44

Trichloroethene

Concen: 92.194 ug/l

RT: 7.123 min Scan# 990

Delta R.T. 0.000 min

Lab File: VX037276.D

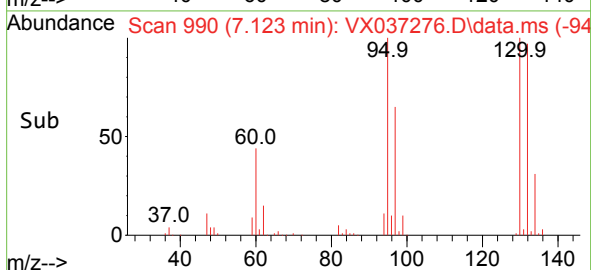
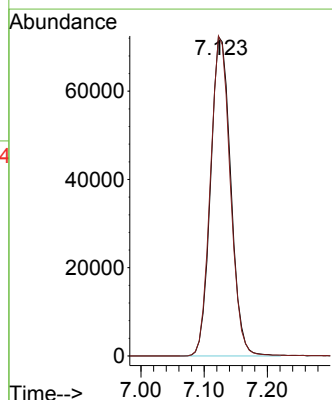
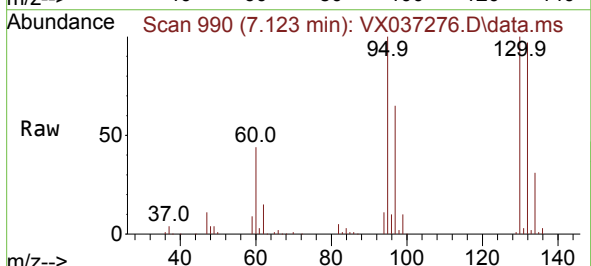
Acq: 25 Aug 2023 17:10

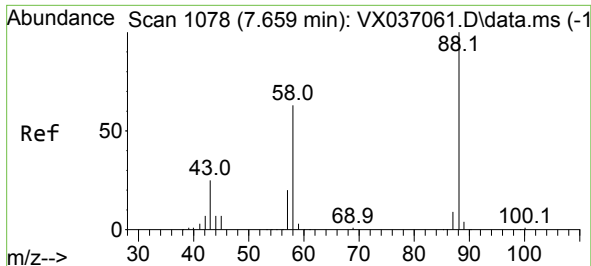
Tgt Ion:130 Resp: 159945

Ion Ratio Lower Upper

130 100

95 100.2 0.0 204.4





#49

1,4-Dioxane

Concen: 29.798 ug/l

RT: 7.671 min Scan# 1080

Delta R.T. 0.012 min

Lab File: VX037276.D

Acq: 25 Aug 2023 17:10

Instrument :

MSVOA_X

ClientSampleId :

RE134D2-20230818

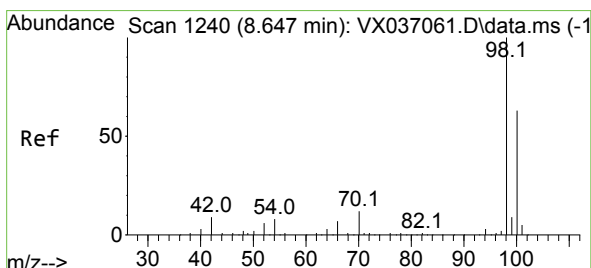
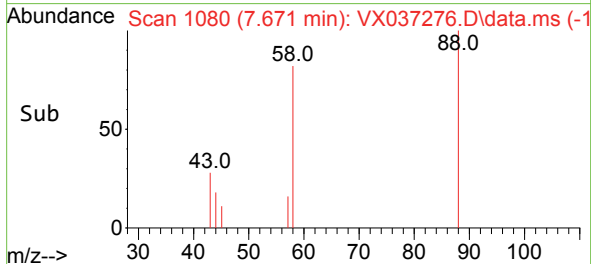
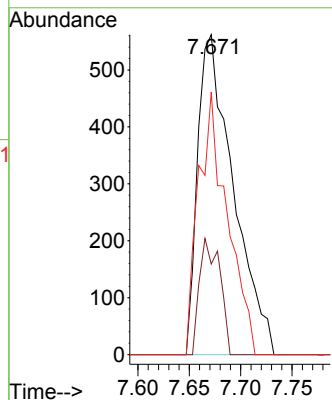
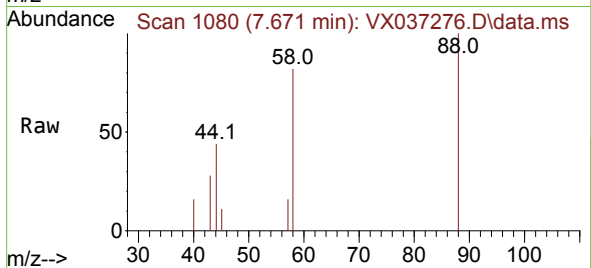
Tgt Ion: 88 Resp: 1354

Ion Ratio Lower Upper

88 100

43 20.8 0.0 0.0#

58 66.3 60.1 90.1



#50

Toluene-d8

Concen: 48.628 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. 0.000 min

Lab File: VX037276.D

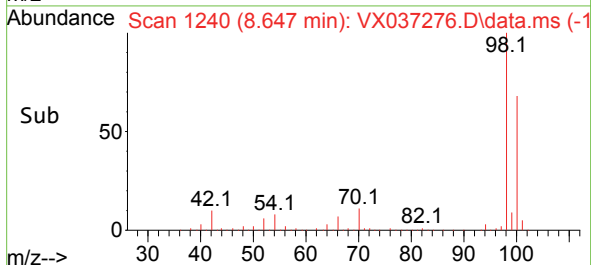
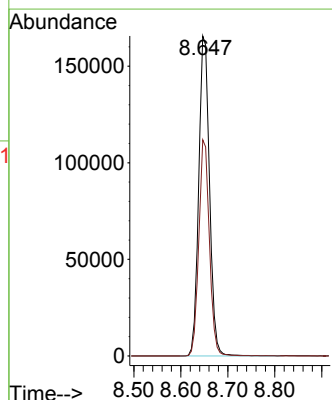
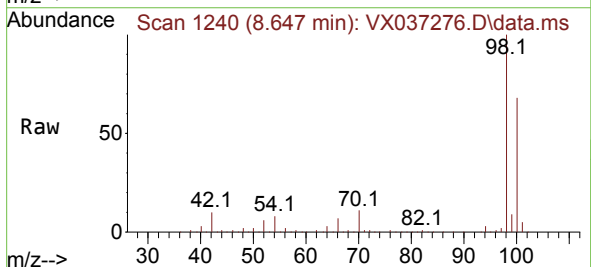
Acq: 25 Aug 2023 17:10

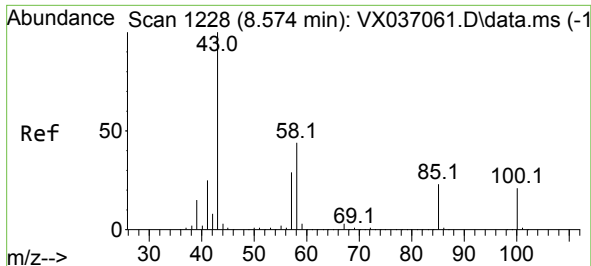
Tgt Ion: 98 Resp: 264861

Ion Ratio Lower Upper

98 100

100 66.4 53.1 79.7

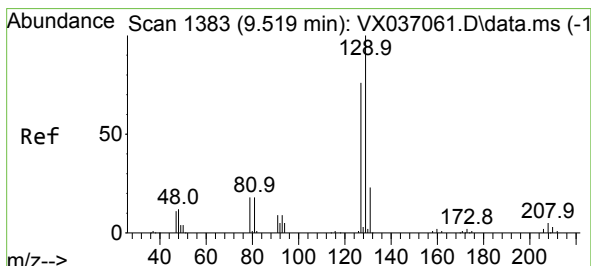
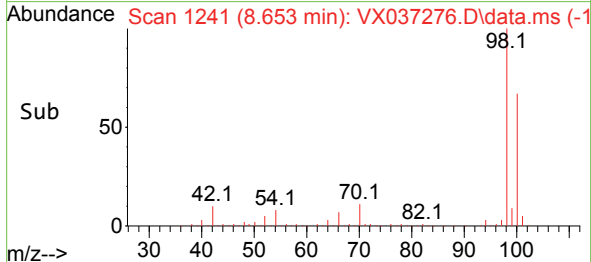
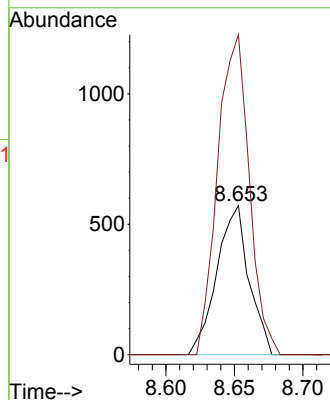
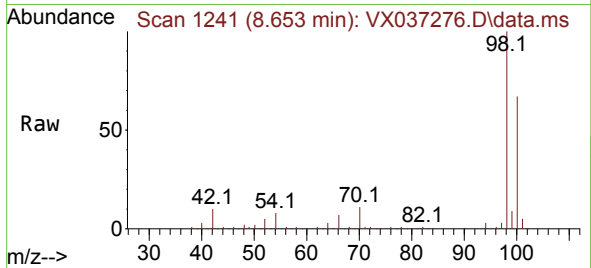




#51
4-Methyl-2-Pentanone
Concen: 0.445 ug/l
RT: 8.653 min Scan# 11
Delta R.T. 0.079 min
Lab File: VX037276.D
Acq: 25 Aug 2023 17:10

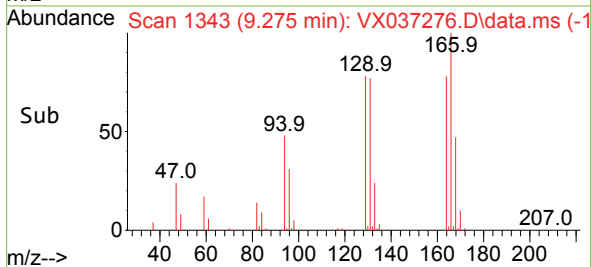
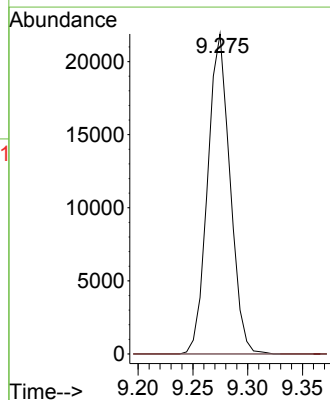
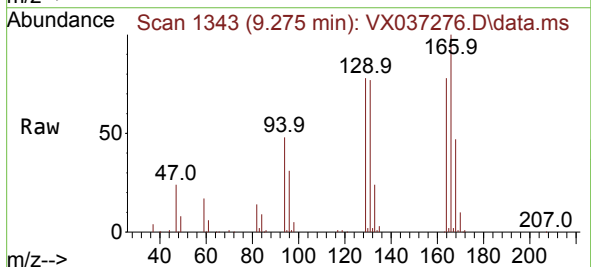
Instrument :
MSVOA_X
ClientSampleId :
RE134D2-20230818

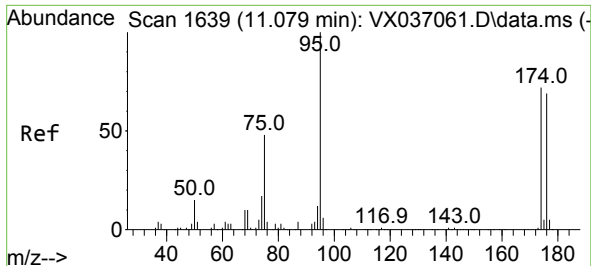
Tgt Ion: 43 Resp: 934
Ion Ratio Lower Upper
43 100
58 210.9 30.4 45.6#



#60
Dibromochloromethane
Concen: 17.730 ug/l
RT: 9.275 min Scan# 1343
Delta R.T. -0.244 min
Lab File: VX037276.D
Acq: 25 Aug 2023 17:10

Tgt Ion: 129 Resp: 31073
Ion Ratio Lower Upper
129 100
127 0.0 38.8 116.4#

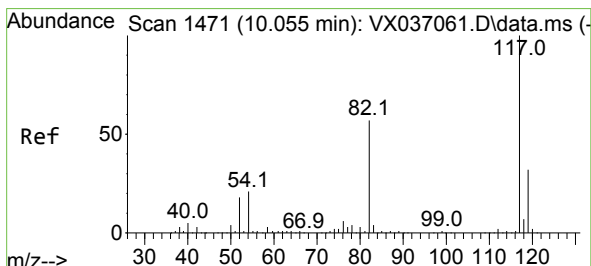
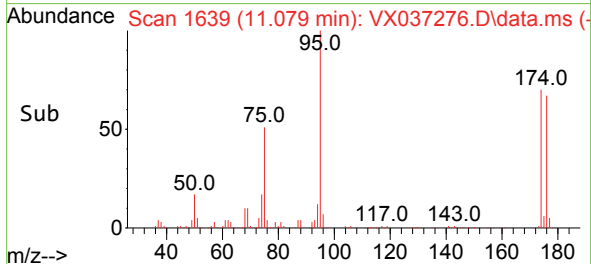
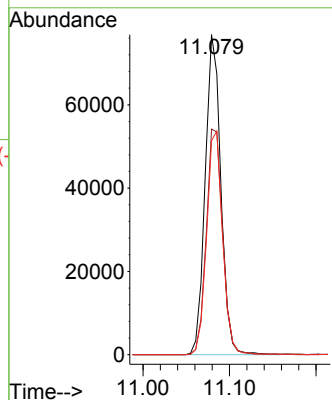
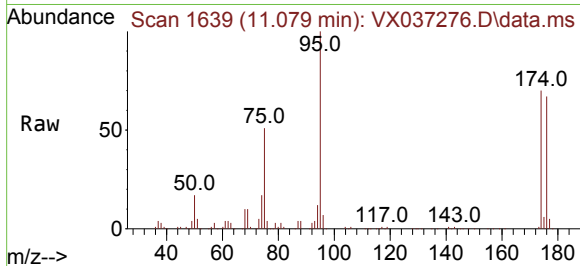




#62
4-Bromofluorobenzene
Concen: 45.165 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX037276.D
Acq: 25 Aug 2023 17:10

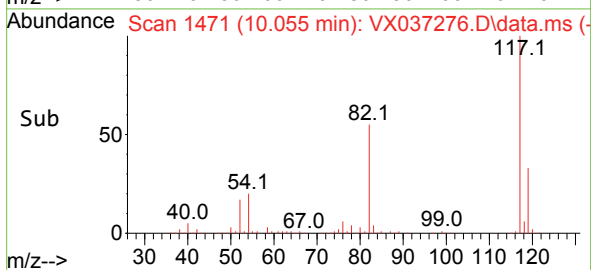
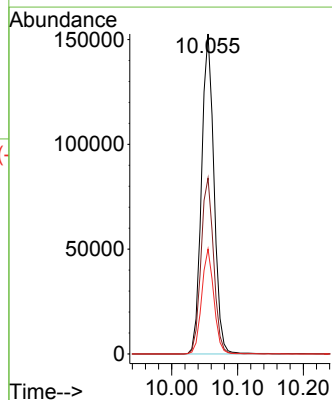
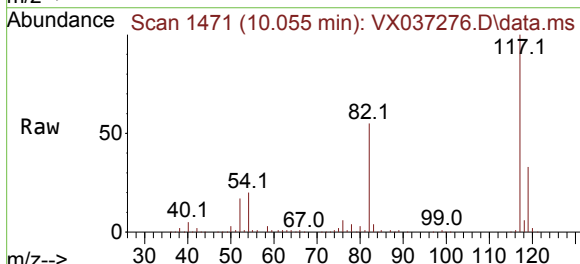
Instrument :
MSVOA_X
ClientSampleId :
RE134D2-20230818

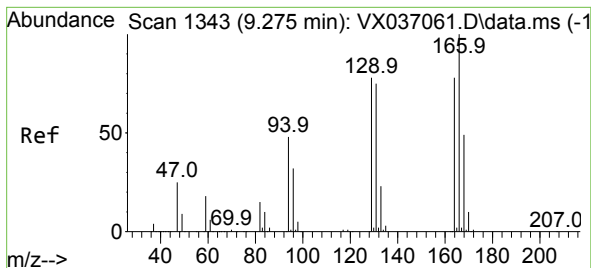
Tgt Ion: 95 Resp: 96674
Ion Ratio Lower Upper
95 100
174 73.8 0.0 135.6
176 71.2 0.0 131.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX037276.D
Acq: 25 Aug 2023 17:10

Tgt Ion: 117 Resp: 201466
Ion Ratio Lower Upper
117 100
82 55.0 46.2 69.4
119 32.8 25.5 38.3





#64

Tetrachloroethene

Concen: 21.551 ug/l

RT: 9.275 min Scan# 11

Delta R.T. 0.000 min

Lab File: VX037276.D

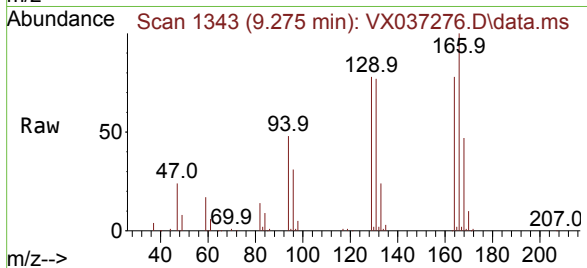
Acq: 25 Aug 2023 17:10

Instrument :

MSVOA_X

ClientSampleId :

RE134D2-20230818



Tgt Ion:164 Resp: 31674

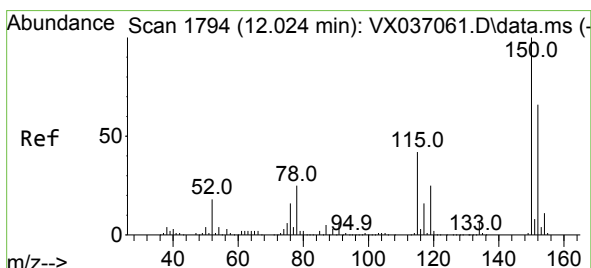
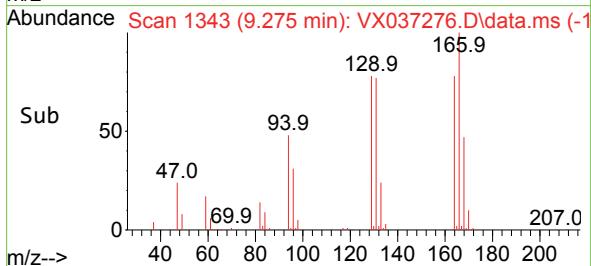
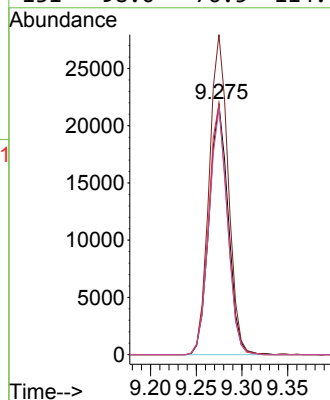
Ion Ratio Lower Upper

164 100

166 127.6 102.7 154.1

129 99.9 80.4 120.6

131 98.0 76.5 114.7



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.024 min Scan# 1794

Delta R.T. 0.000 min

Lab File: VX037276.D

Acq: 25 Aug 2023 17:10

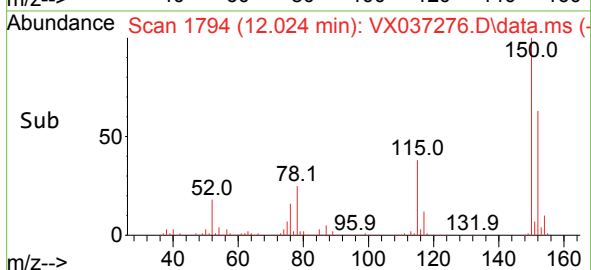
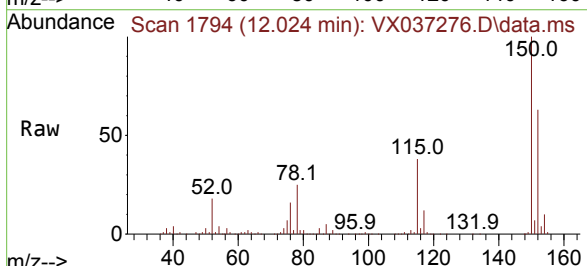
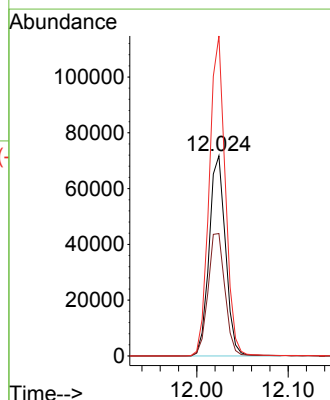
Tgt Ion:152 Resp: 89154

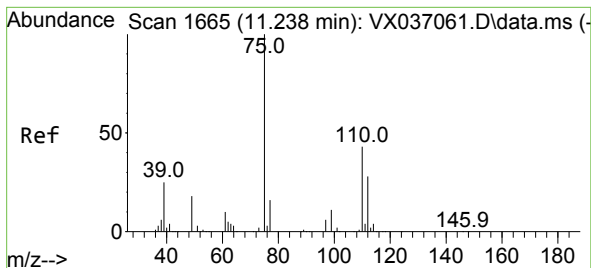
Ion Ratio Lower Upper

152 100

115 63.4 43.3 129.9

150 157.1 0.0 345.0





#76

1,2,3-Trichloropropane

Concen: 25.909 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.159 min

Lab File: VX037276.D

Acq: 25 Aug 2023 17:10

Instrument :

MSVOA_X

ClientSampleId :

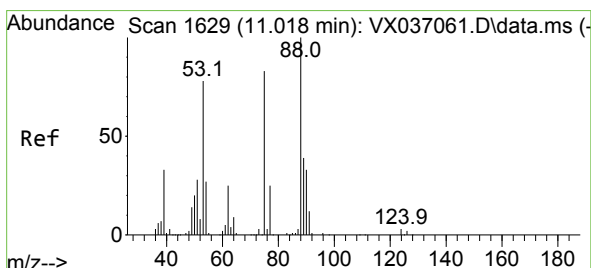
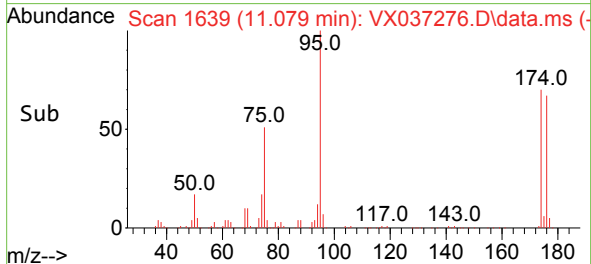
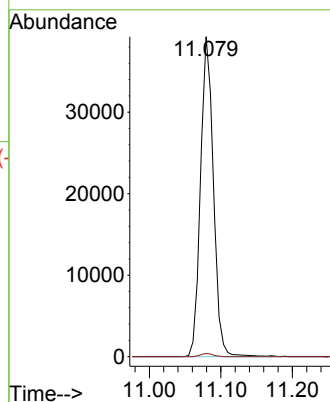
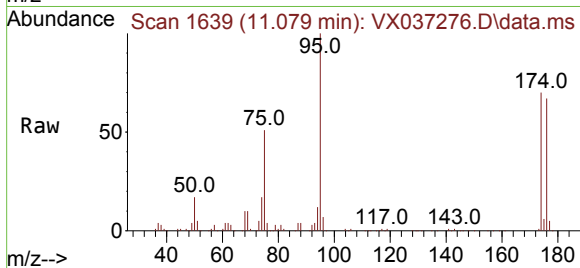
RE134D2-20230818

Tgt Ion: 75 Resp: 49193

Ion Ratio Lower Upper

75 100

77 1.0 19.1 57.5#



#81

trans-1,4-Dichloro-2-butene

Concen: 72.365 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.061 min

Lab File: VX037276.D

Acq: 25 Aug 2023 17:10

Tgt Ion: 75 Resp: 49193

Ion Ratio Lower Upper

75 100

53 0.0 90.5 135.7#

89 0.0 36.9 55.3#

