

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082823\
 Data File : VX037291.D
 Acq On : 28 Aug 2023 13:46
 Operator : JC/MD
 Sample : 04095-12DL 10X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 RE134D3-20230818DL

Quant Time: Aug 29 00:57:52 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)

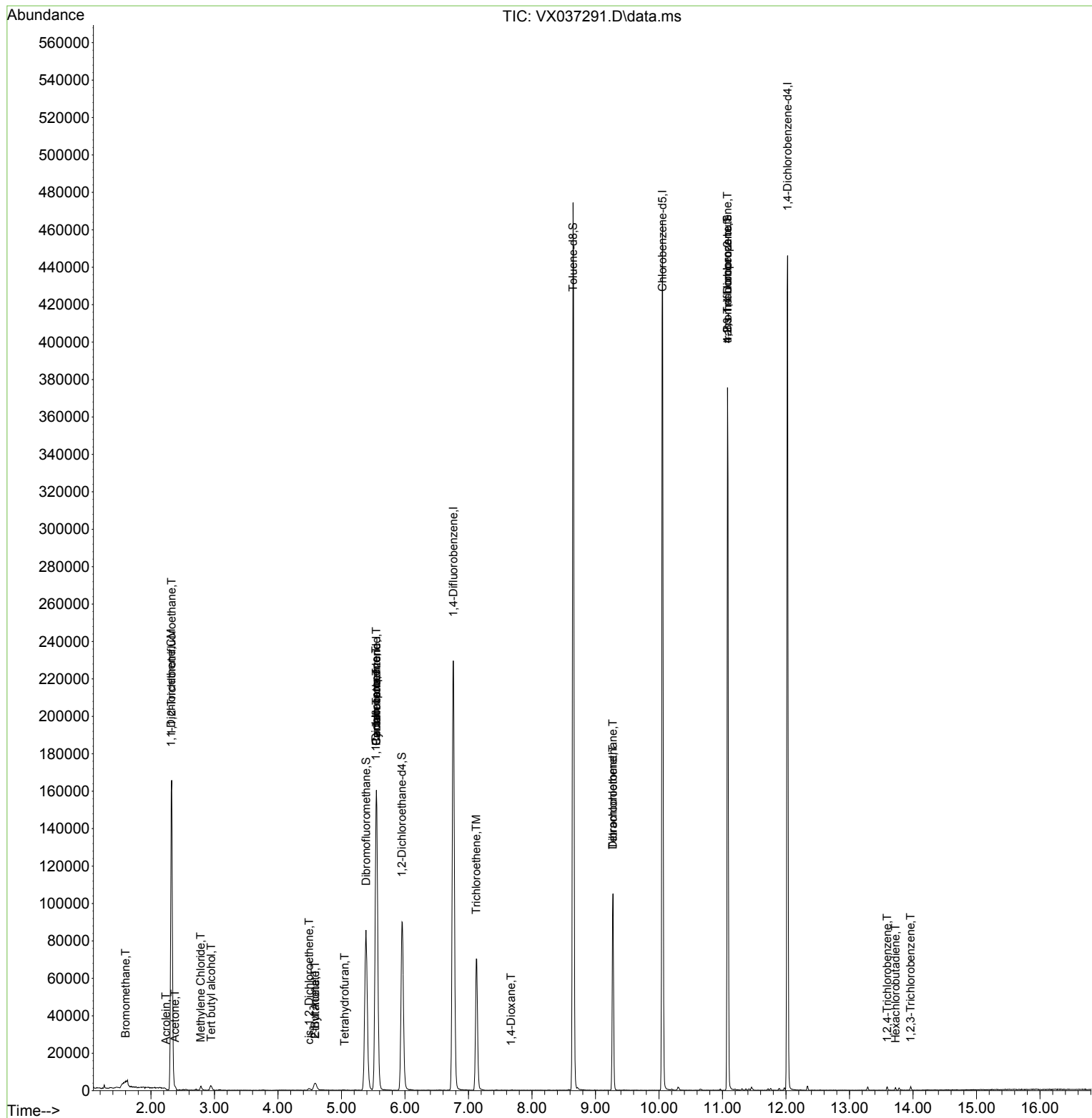
Internal Standards						
1) Pentafluorobenzene	5.550	168	150484	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	246126	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	216580	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	95688	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	90987	41.939	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	83.880%		
35) Dibromofluoromethane	5.385	113	75118	46.084	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	92.160%		
50) Toluene-d8	8.647	98	286143	48.394	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	96.780%		
62) 4-Bromofluorobenzene	11.079	95	103434	44.514	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	89.020%		
Target Compounds					Qvalue	
5) Bromomethane	1.599	94	191	0.230	ug/l #	3
9) 1,1,2-Trichlorotrifluo...	2.325	101	67370	42.351	ug/l	97
11) Tert butyl alcohol	2.947	59	1792	3.521	ug/l #	78
12) 1,1-Dichloroethene	2.319	96	667	0.431	ug/l #	74
13) Acrolein	2.233	56	155	0.400	ug/l	93
16) Acetone	2.380	43	1045	1.231	ug/l	95
20) Methylene Chloride	2.782	84	1037	0.546	ug/l #	85
25) 2-Butanone	4.587	43	586	0.459	ug/l #	51
27) cis-1,2-Dichloroethene	4.489	96	742	0.357	ug/l	35
29) Tetrahydrofuran	5.050	42	238	0.292	ug/l #	34
31) Cyclohexane	5.550	56	2981	1.222	ug/l #	1
36) 1,1-Dichloropropene	5.544	75	11742	5.070	ug/l #	51
37) Ethyl Acetate	4.587	43	586	0.248	ug/l #	82
38) Carbon Tetrachloride	5.550	117	16325	6.489	ug/l #	15
44) Trichloroethene	7.123	130	28692	15.235	ug/l	99
49) 1,4-Dioxane	7.671	88	139	2.818	ug/l #	30
60) Dibromochloromethane	9.275	129	19715	10.362	ug/l #	11
64) Tetrachloroethene	9.275	164	19517	12.353	ug/l	97
76) 1,2,3-Trichloropropane	11.079	75	52132	25.582	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.079	75	52132	71.452	ug/l #	5
93) 1,2,4-Trichlorobenzene	13.591	180	589	0.323	ug/l	96
94) Hexachlorobutadiene	13.725	225	309	0.439	ug/l	90
96) 1,2,3-Trichlorobenzene	13.963	180	533	0.294	ug/l	87

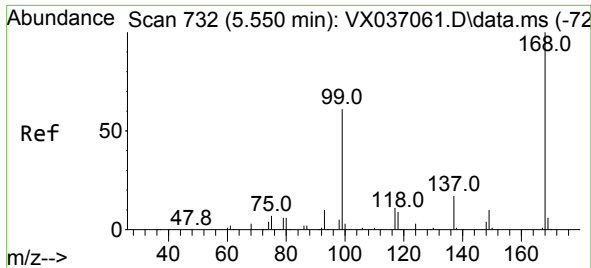
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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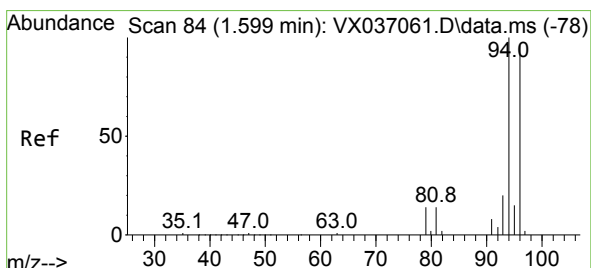
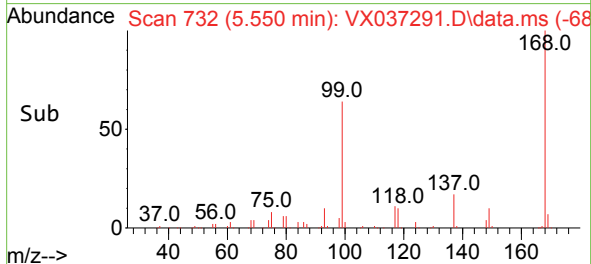
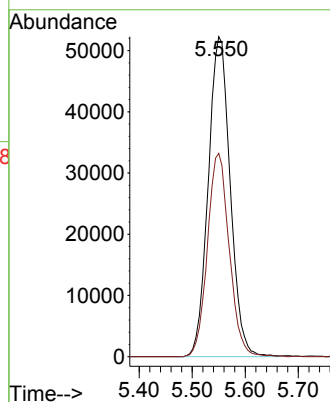
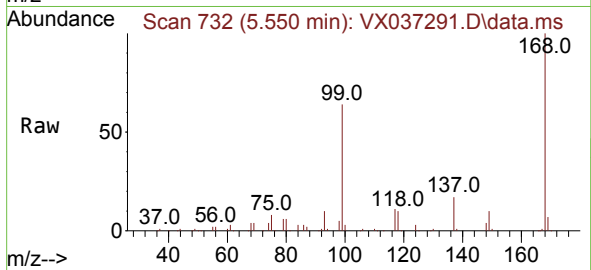




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX037291.D
Acq: 28 Aug 2023 13:46

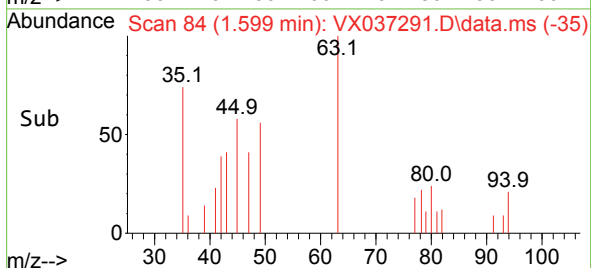
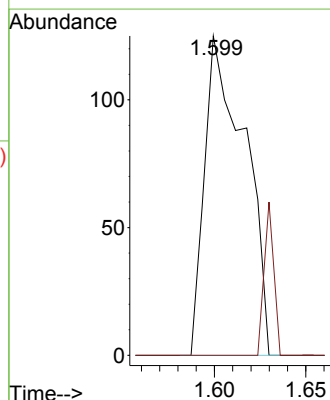
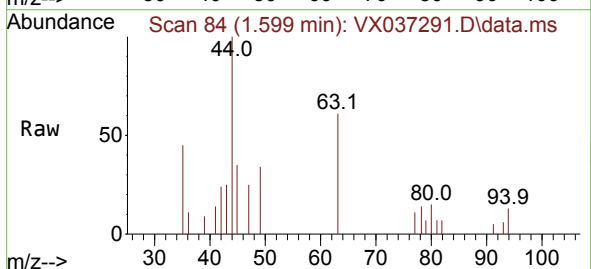
Instrument :
MSVOA_X
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RE134D3-20230818DL

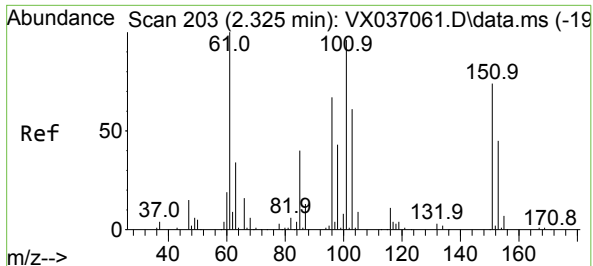
Tgt Ion:168 Resp: 150484
Ion Ratio Lower Upper
168 100
99 63.6 56.6 85.0



#5
Bromomethane
Concen: 0.230 ug/l
RT: 1.599 min Scan# 84
Delta R.T. 0.000 min
Lab File: VX037291.D
Acq: 28 Aug 2023 13:46

Tgt Ion: 94 Resp: 191
Ion Ratio Lower Upper
94 100
96 0.0 74.6 111.8#

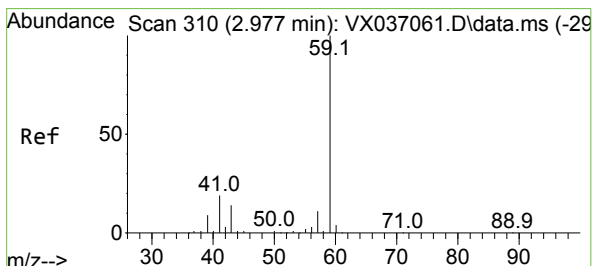
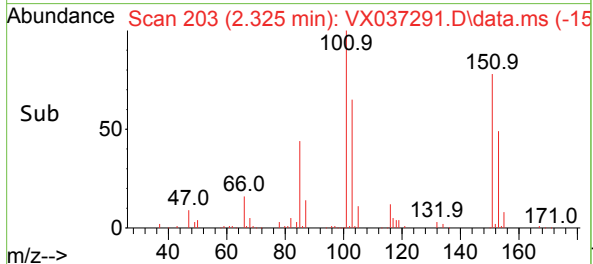
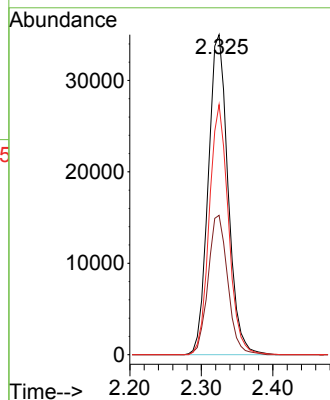
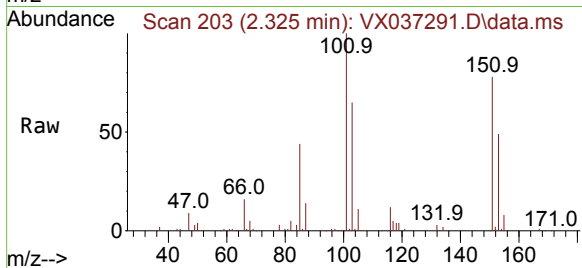




#9
1,1,2-Trichlorotrifluoroethane
Concen: 42.351 ug/l
RT: 2.325 min Scan# 203
Delta R.T. 0.000 min
Lab File: VX037291.D
Acq: 28 Aug 2023 13:46

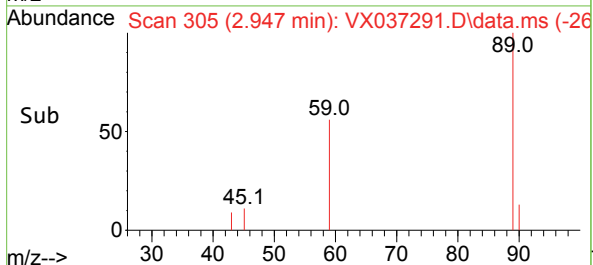
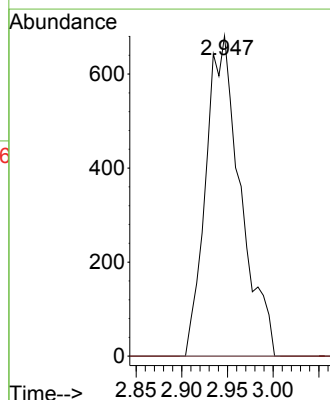
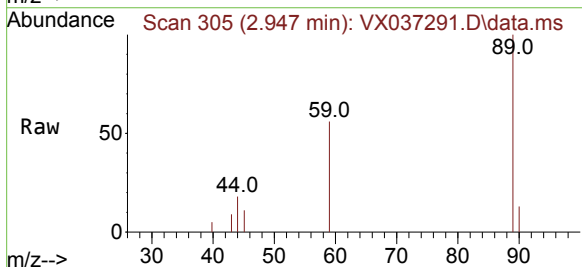
Instrument :
MSVOA_X
ClientSampleId :
RE134D3-20230818DL

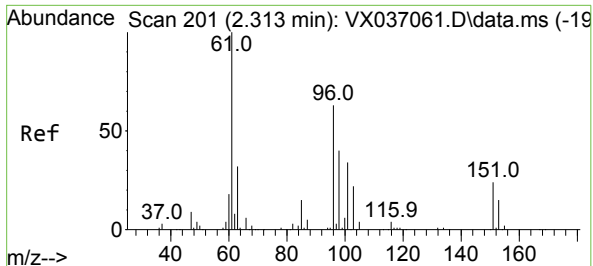
Tgt Ion:101 Resp: 67370
Ion Ratio Lower Upper
101 100
85 43.3 37.0 55.6
151 75.5 58.6 87.8



#11
Tert butyl alcohol
Concen: 3.521 ug/l
RT: 2.947 min Scan# 305
Delta R.T. -0.030 min
Lab File: VX037291.D
Acq: 28 Aug 2023 13:46

Tgt Ion: 59 Resp: 1792
Ion Ratio Lower Upper
59 100
57 0.0 6.0 9.0#





#12

1,1-Dichloroethene

Concen: 0.431 ug/l

RT: 2.319 min Scan# 201

Delta R.T. 0.006 min

Lab File: VX037291.D

Acq: 28 Aug 2023 13:46

Instrument :

MSVOA_X

ClientSampleId :

RE134D3-20230818DL

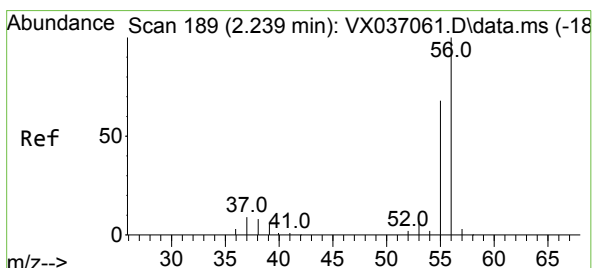
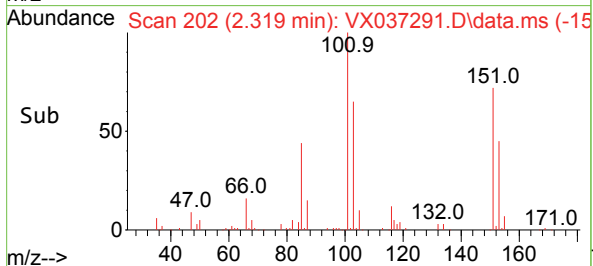
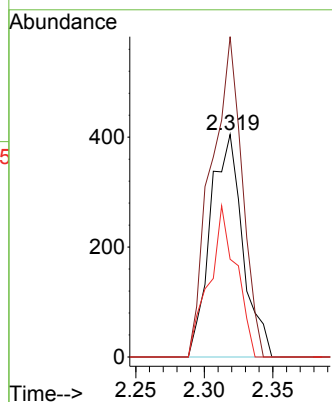
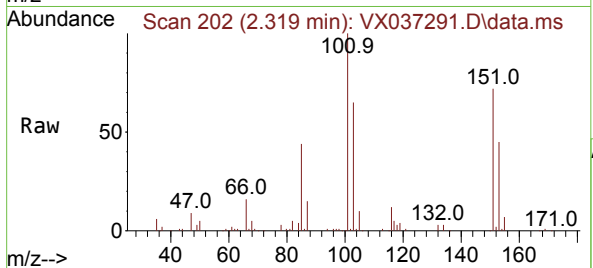
Tgt Ion: 96 Resp: 667

Ion Ratio Lower Upper

96 100

61 144.0 144.6 216.8#

98 44.0 50.4 75.6#



#13

Acrolein

Concen: 0.400 ug/l

RT: 2.233 min Scan# 188

Delta R.T. -0.006 min

Lab File: VX037291.D

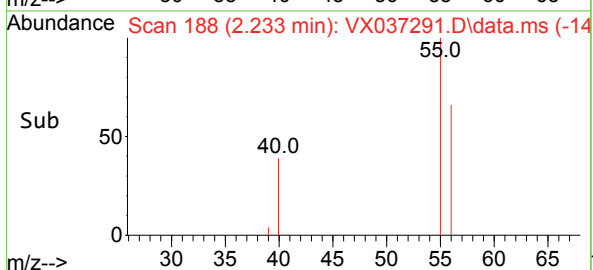
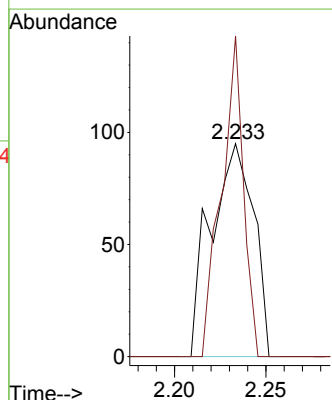
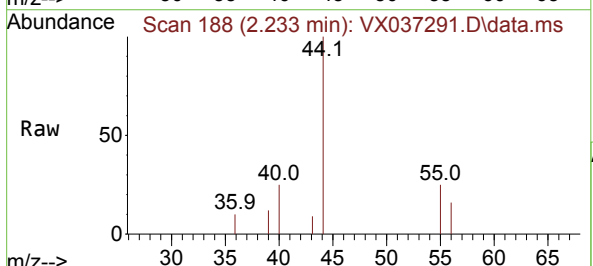
Acq: 28 Aug 2023 13:46

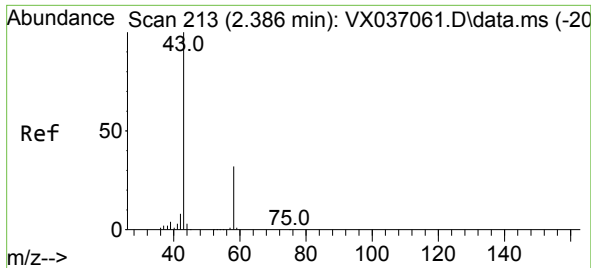
Tgt Ion: 56 Resp: 155

Ion Ratio Lower Upper

56 100

55 77.4 57.1 85.7

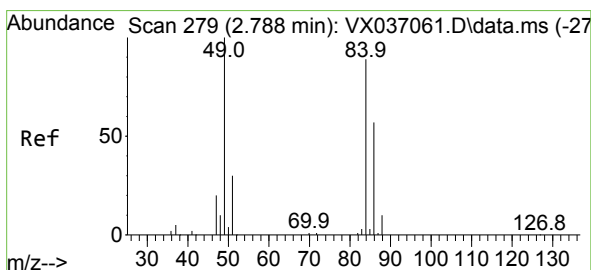
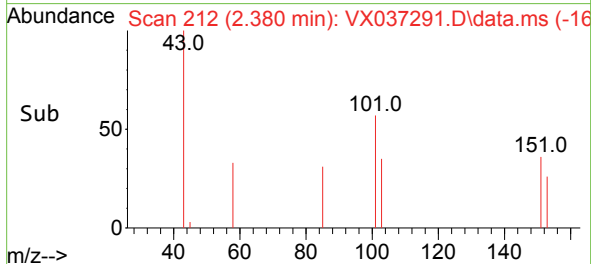
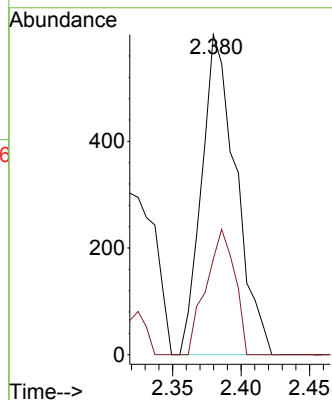
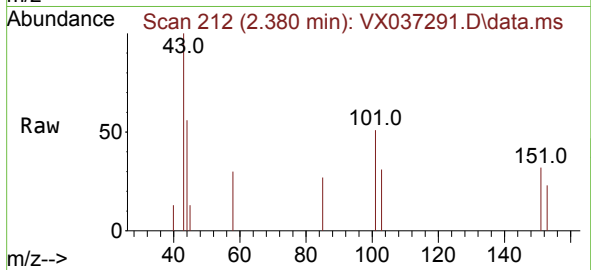




#16
Acetone
Concen: 1.231 ug/l
RT: 2.380 min Scan# 213
Delta R.T. -0.006 min
Lab File: VX037291.D
Acq: 28 Aug 2023 13:46

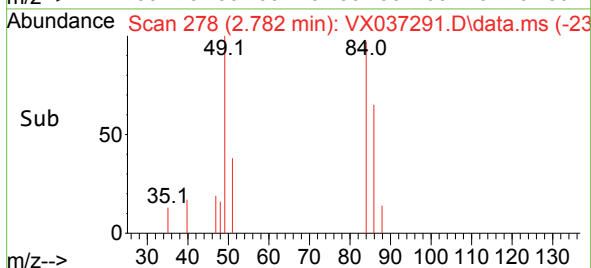
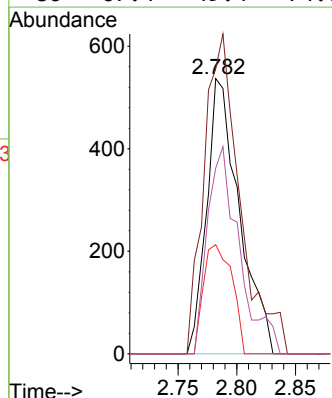
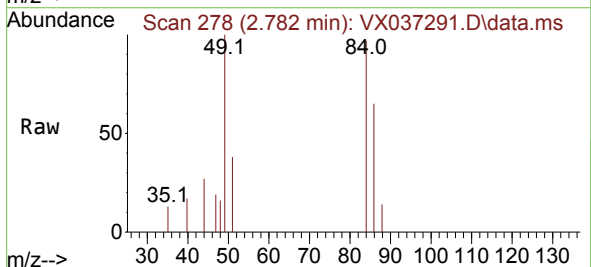
Instrument :
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ClientSampleId :
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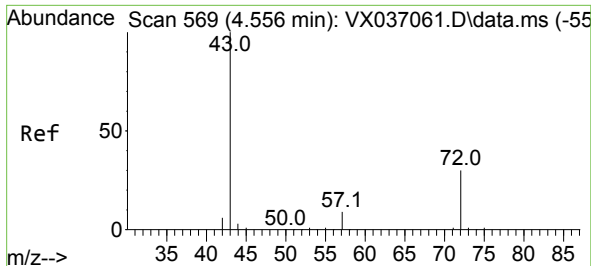
Tgt Ion: 43 Resp: 1045
Ion Ratio Lower Upper
43 100
58 29.8 21.9 32.9



#20
Methylene Chloride
Concen: 0.546 ug/l
RT: 2.782 min Scan# 278
Delta R.T. -0.006 min
Lab File: VX037291.D
Acq: 28 Aug 2023 13:46

Tgt Ion: 84 Resp: 1037
Ion Ratio Lower Upper
84 100
49 103.5 103.6 155.4#
51 39.7 33.8 50.6
86 67.4 49.4 74.0

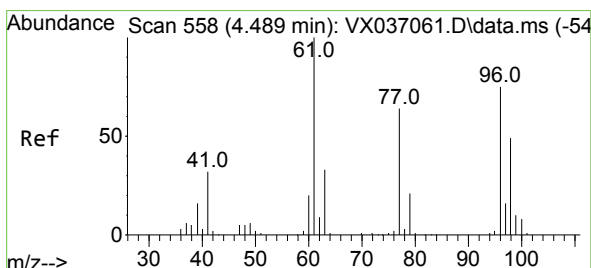
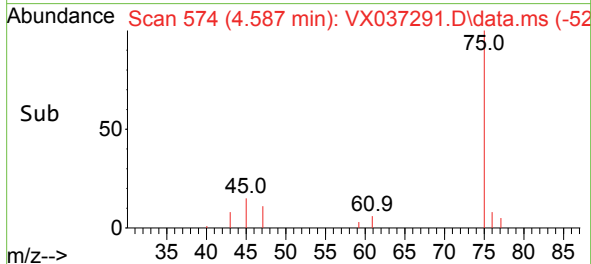
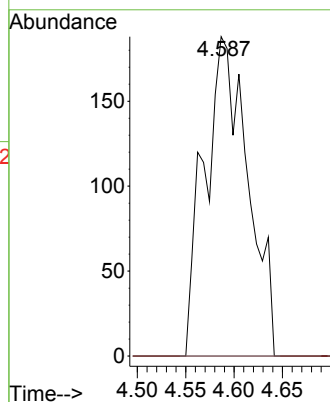
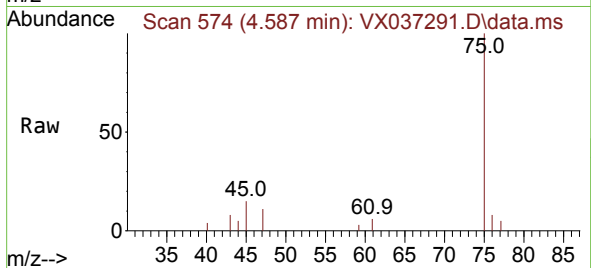




#25
2-Butanone
Concen: 0.459 ug/l
RT: 4.587 min Scan# 51
Delta R.T. 0.031 min
Lab File: VX037291.D
Acq: 28 Aug 2023 13:46

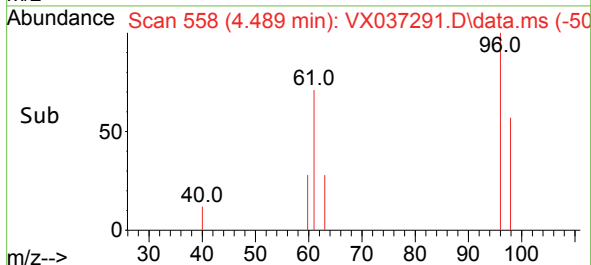
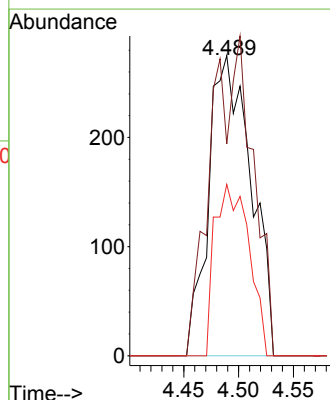
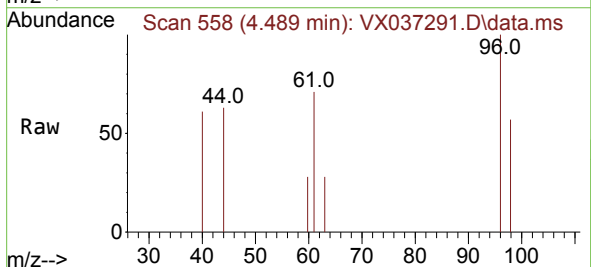
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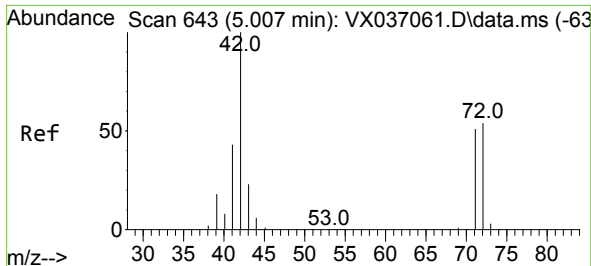
Tgt Ion: 43 Resp: 586
Ion Ratio Lower Upper
43 100
72 0.0 19.4 29.2#



#27
cis-1,2-Dichloroethene
Concen: 0.357 ug/l
RT: 4.489 min Scan# 558
Delta R.T. 0.000 min
Lab File: VX037291.D
Acq: 28 Aug 2023 13:46

Tgt Ion: 96 Resp: 742
Ion Ratio Lower Upper
96 100
61 48.9 0.0 312.2
98 45.8 0.0 129.0





#29

Tetrahydrofuran

Concen: 0.292 ug/l

RT: 5.050 min Scan# 61

Delta R.T. 0.043 min

Lab File: VX037291.D

Acq: 28 Aug 2023 13:46

Instrument :

MSVOA_X

ClientSampleId :

RE134D3-20230818DL

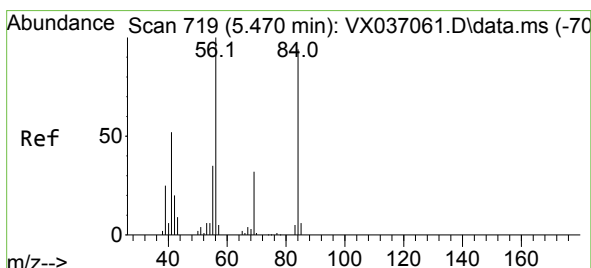
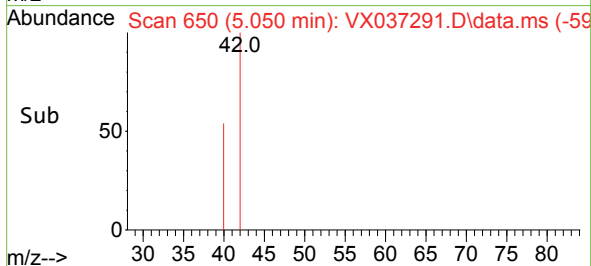
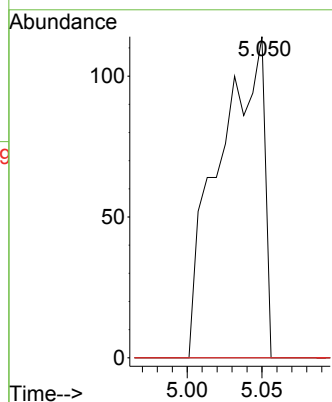
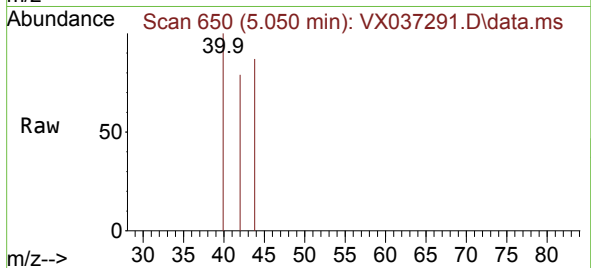
Tgt Ion: 42 Resp: 238

Ion Ratio Lower Upper

42 100

72 0.0 34.2 51.4#

71 0.0 32.2 48.2#



#31

Cyclohexane

Concen: 1.222 ug/l

RT: 5.550 min Scan# 732

Delta R.T. 0.079 min

Lab File: VX037291.D

Acq: 28 Aug 2023 13:46

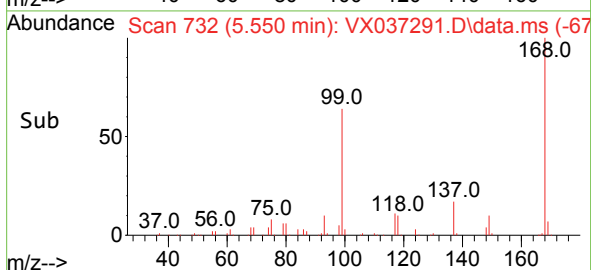
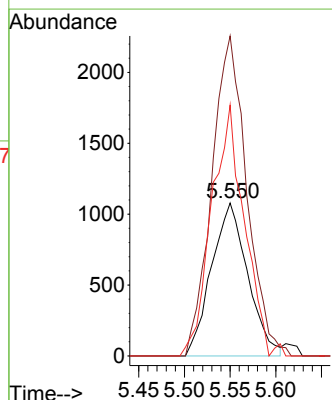
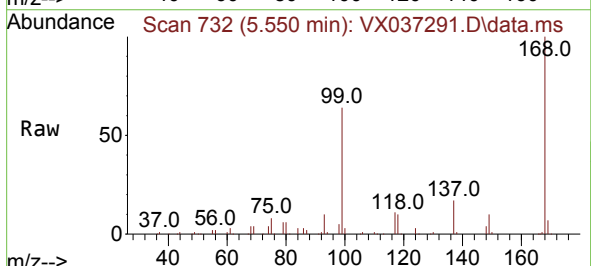
Tgt Ion: 56 Resp: 2981

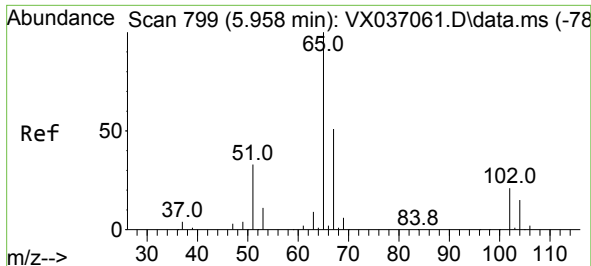
Ion Ratio Lower Upper

56 100

69 209.2 23.4 35.2#

84 164.0 65.9 98.9#





#33

1,2-Dichloroethane-d4

Concen: 41.939 ug/l

RT: 5.952 min Scan# 799

Delta R.T. -0.006 min

Lab File: VX037291.D

Acq: 28 Aug 2023 13:46

Instrument :

MSVOA_X

ClientSampleId :

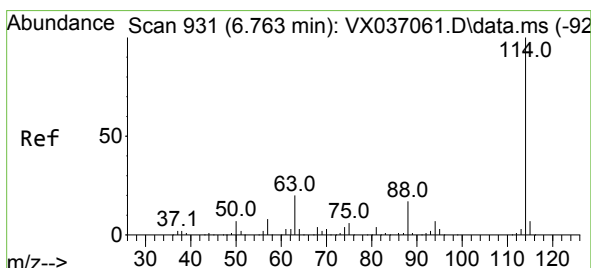
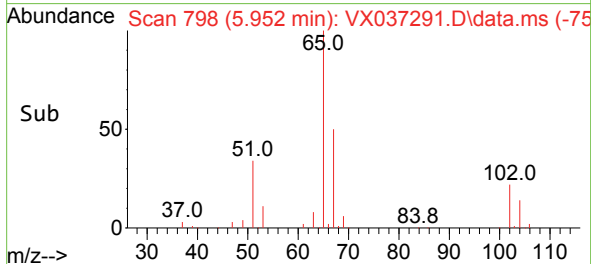
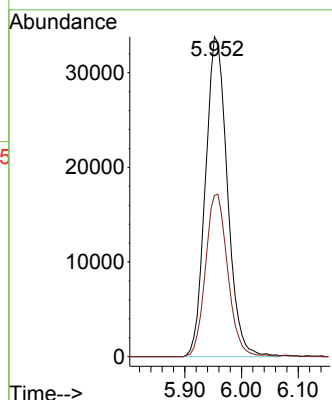
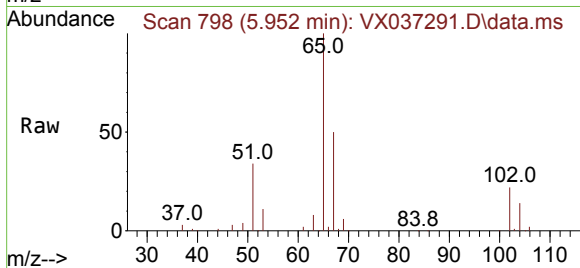
RE134D3-20230818DL

Tgt Ion: 65 Resp: 90987

Ion Ratio Lower Upper

65 100

67 51.4 0.0 100.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.763 min Scan# 931

Delta R.T. 0.000 min

Lab File: VX037291.D

Acq: 28 Aug 2023 13:46

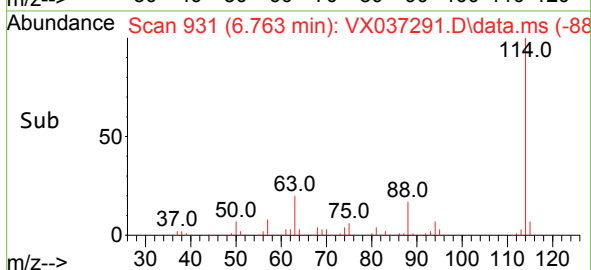
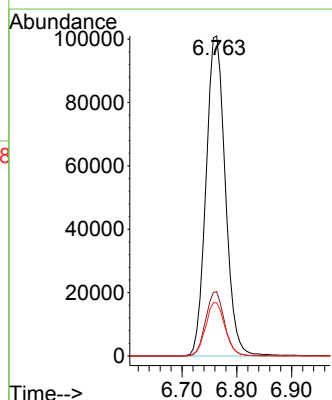
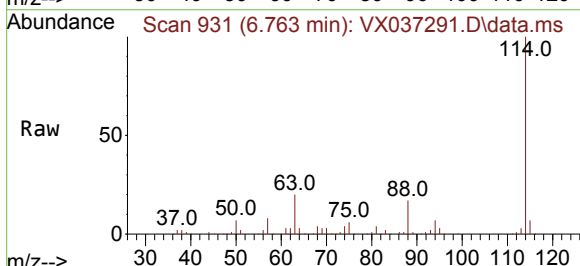
Tgt Ion: 114 Resp: 246126

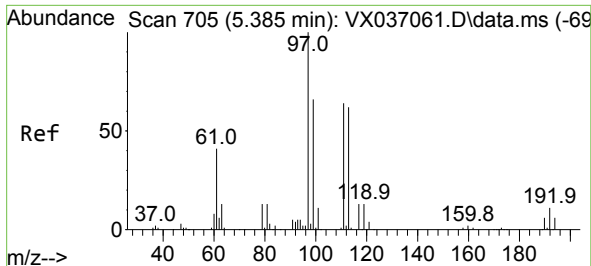
Ion Ratio Lower Upper

114 100

63 20.1 0.0 45.0

88 16.6 0.0 36.6

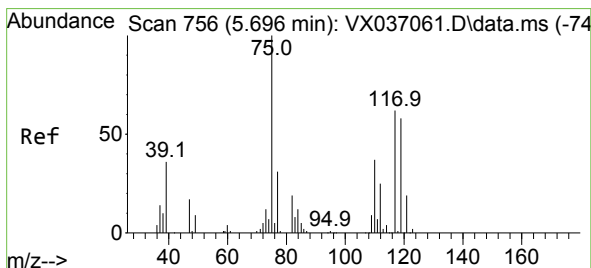
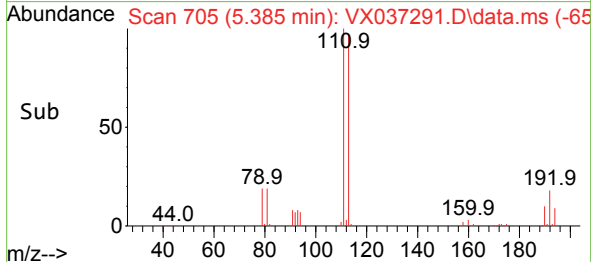
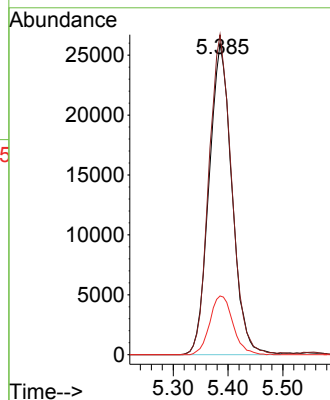
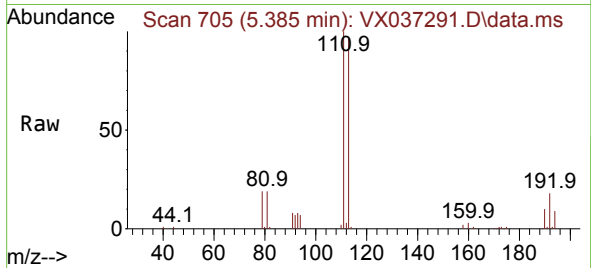




#35
Dibromofluoromethane
Concen: 46.084 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX037291.D
Acq: 28 Aug 2023 13:46

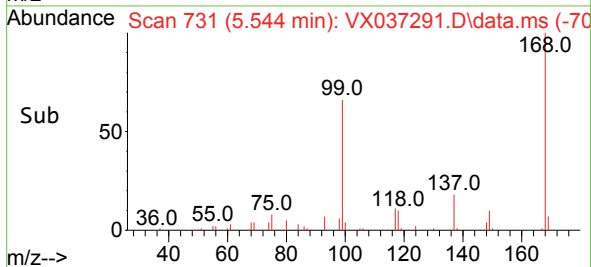
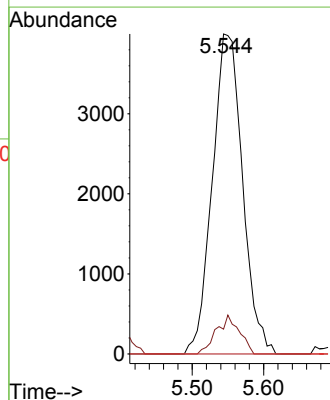
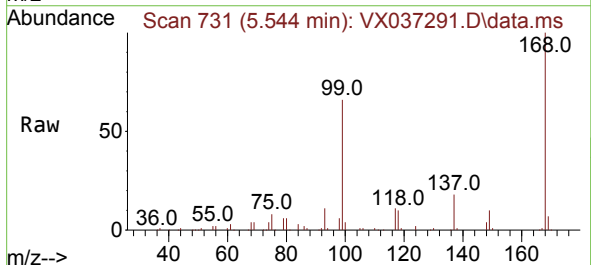
Instrument :
MSVOA_X
ClientSampleId :
RE134D3-20230818DL

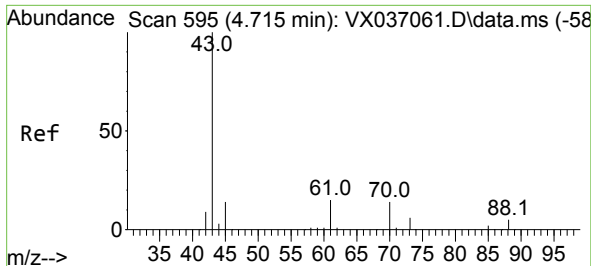
Tgt Ion:	113	Resp:	75118
Ion	Ratio	Lower	Upper
113	100		
111	102.7	82.9	124.3
192	19.2	13.3	19.9



#36
1,1-Dichloropropene
Concen: 5.070 ug/l
RT: 5.544 min Scan# 731
Delta R.T. -0.152 min
Lab File: VX037291.D
Acq: 28 Aug 2023 13:46

Tgt Ion:	75	Resp:	11742
Ion	Ratio	Lower	Upper
75	100		
110	9.2	17.0	50.9#
77	0.0	24.7	37.1#





#37

Ethyl Acetate

Concen: 0.248 ug/l

RT: 4.587 min Scan# 5

Delta R.T. -0.128 min

Lab File: VX037291.D

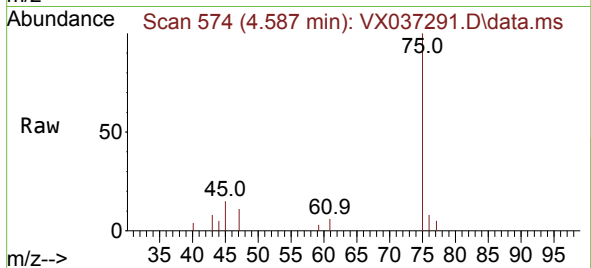
Acq: 28 Aug 2023 13:46

Instrument :

MSVOA_X

ClientSampleId :

RE134D3-20230818DL



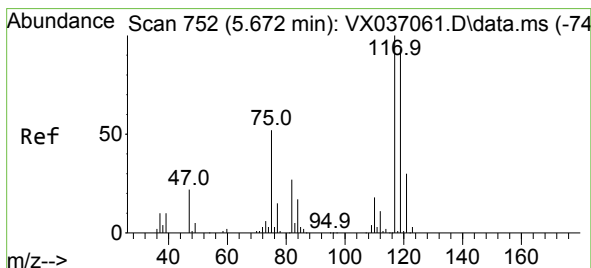
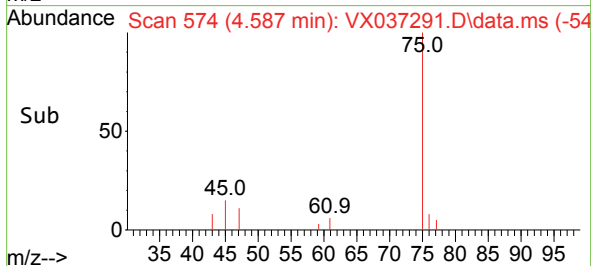
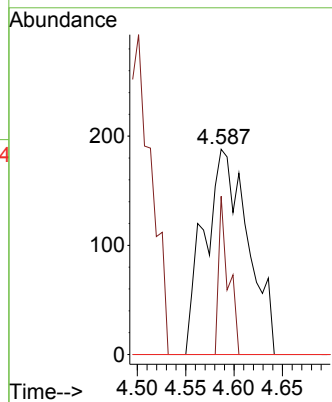
Tgt Ion: 43 Resp: 586

Ion Ratio Lower Upper

43 100

61 17.2 10.6 16.0#

70 0.0 8.3 12.5#



#38

Carbon Tetrachloride

Concen: 6.489 ug/l

RT: 5.550 min Scan# 732

Delta R.T. -0.122 min

Lab File: VX037291.D

Acq: 28 Aug 2023 13:46

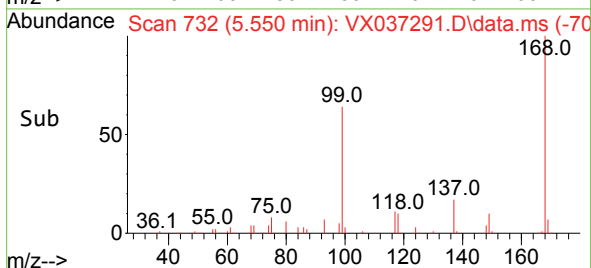
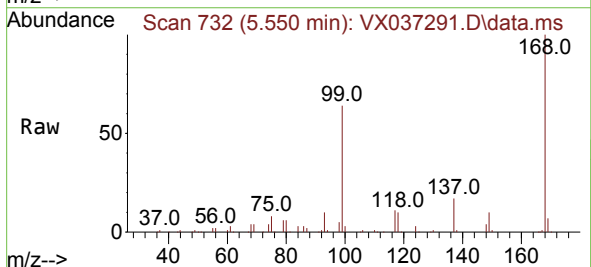
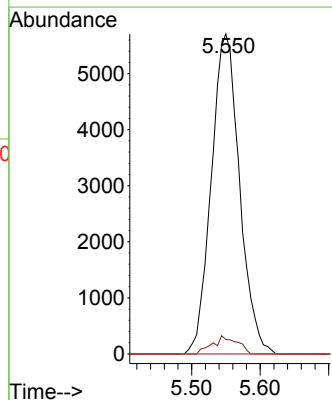
Tgt Ion: 117 Resp: 16325

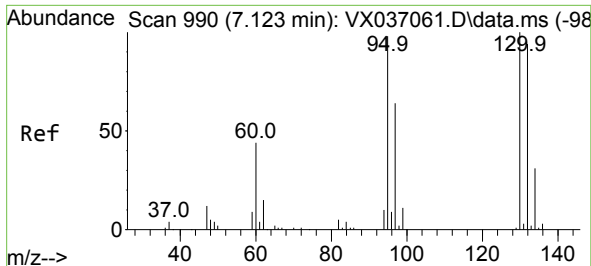
Ion Ratio Lower Upper

117 100

119 4.6 78.2 117.2#

121 0.0 24.4 36.6#

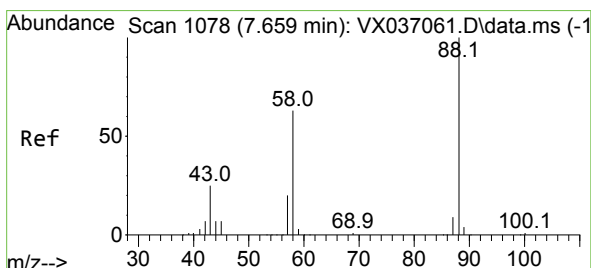
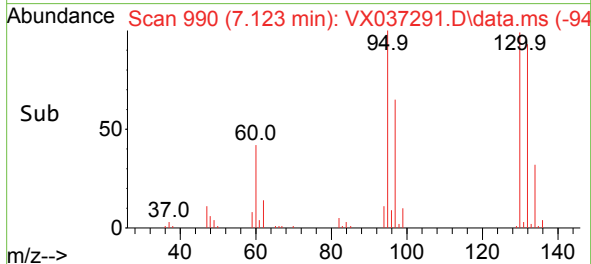
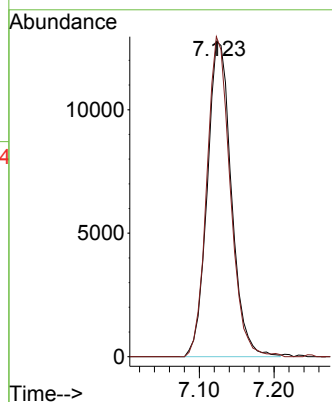
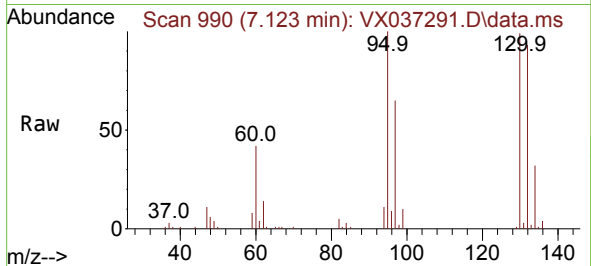




#44
Trichloroethene
Concen: 15.235 ug/l
RT: 7.123 min Scan# 990
Delta R.T. 0.000 min
Lab File: VX037291.D
Acq: 28 Aug 2023 13:46

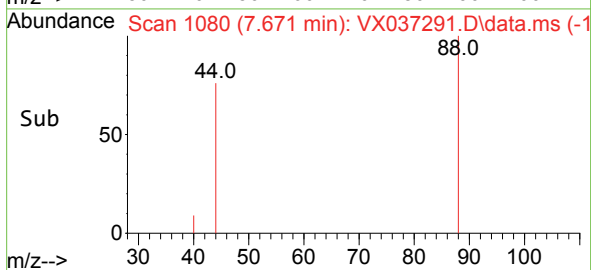
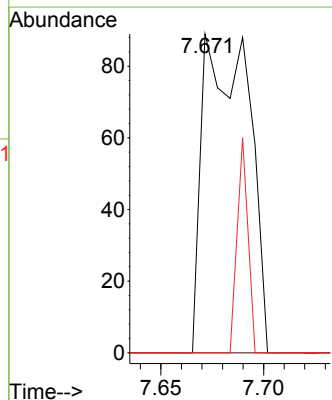
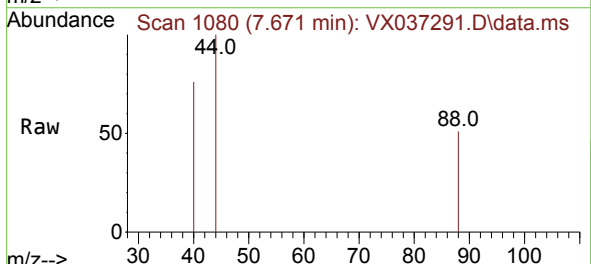
Instrument :
MSVOA_X
ClientSampleId :
RE134D3-20230818DL

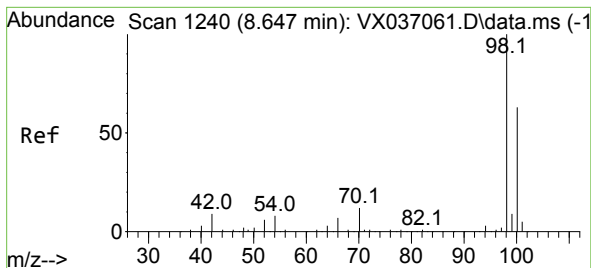
Tgt Ion:130 Resp: 28692
Ion Ratio Lower Upper
130 100
95 101.5 0.0 204.4



#49
1,4-Dioxane
Concen: 2.818 ug/l
RT: 7.671 min Scan# 1080
Delta R.T. 0.012 min
Lab File: VX037291.D
Acq: 28 Aug 2023 13:46

Tgt Ion: 88 Resp: 139
Ion Ratio Lower Upper
88 100
43 0.0 0.0 0.0
58 15.8 60.1 90.1#





#50

Toluene-d8

Concen: 48.394 ug/l

RT: 8.647 min Scan# 11

Delta R.T. 0.000 min

Lab File: VX037291.D

Acq: 28 Aug 2023 13:46

Instrument :

MSVOA_X

ClientSampleId :

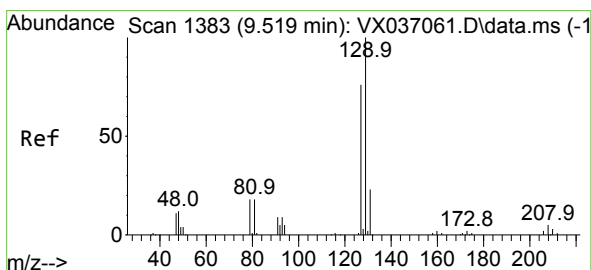
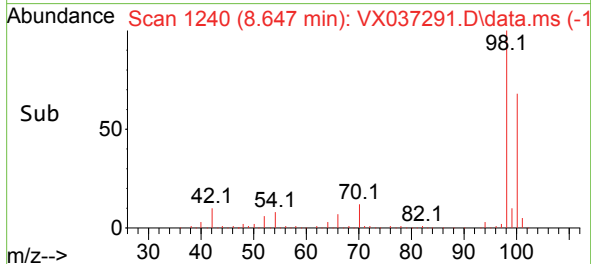
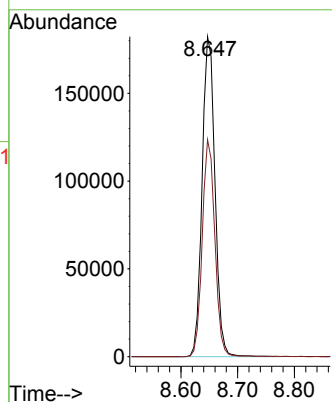
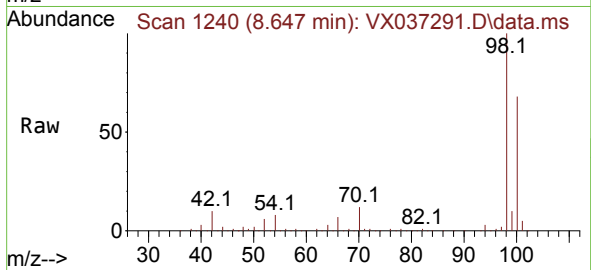
RE134D3-20230818DL

Tgt Ion: 98 Resp: 286143

Ion Ratio Lower Upper

98 100

100 66.6 53.1 79.7



#60

Dibromochloromethane

Concen: 10.362 ug/l

RT: 9.275 min Scan# 1343

Delta R.T. -0.244 min

Lab File: VX037291.D

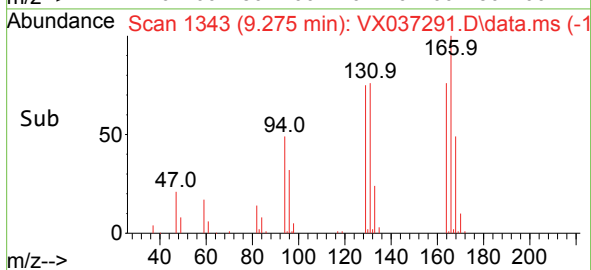
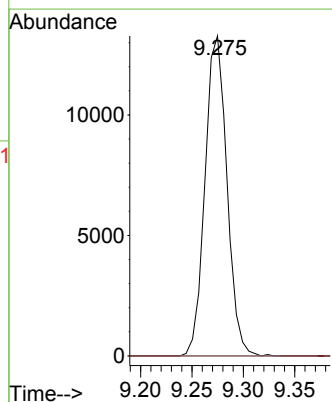
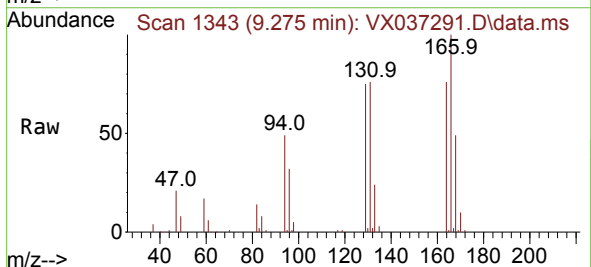
Acq: 28 Aug 2023 13:46

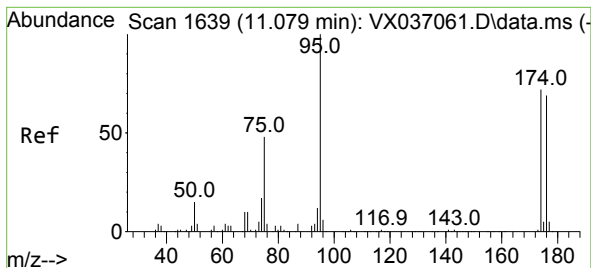
Tgt Ion:129 Resp: 19715

Ion Ratio Lower Upper

129 100

127 0.0 38.8 116.4#

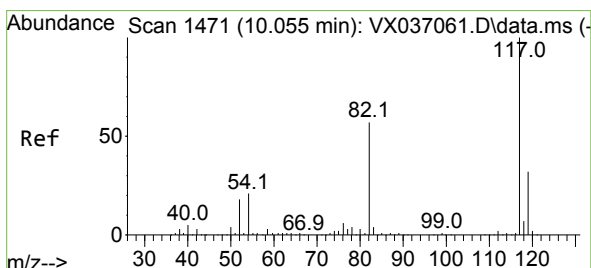
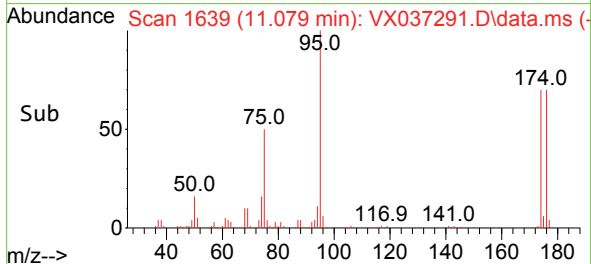
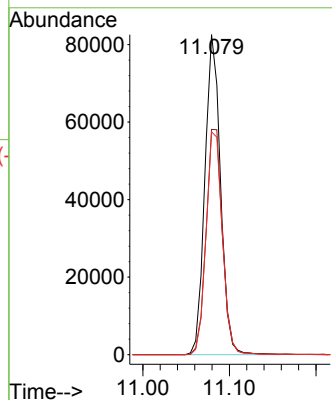
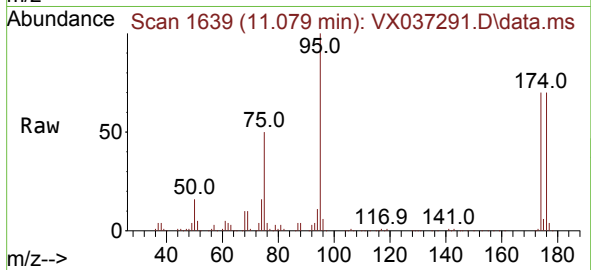




#62
4-Bromofluorobenzene
Concen: 44.514 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX037291.D
Acq: 28 Aug 2023 13:46

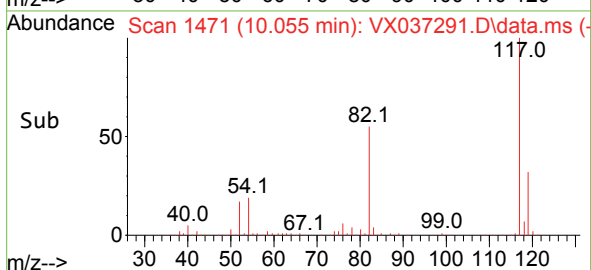
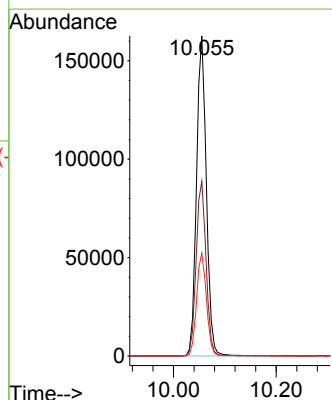
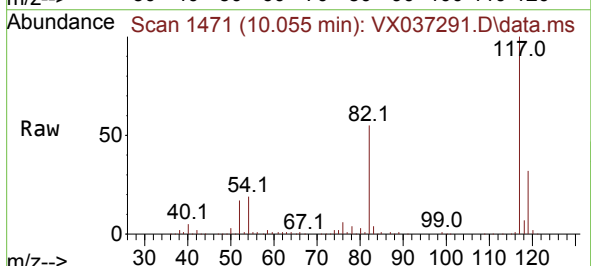
Instrument :
MSVOA_X
ClientSampleId :
RE134D3-20230818DL

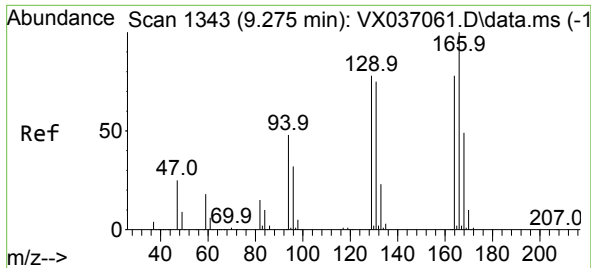
Tgt Ion: 95 Resp: 103434
Ion Ratio Lower Upper
95 100
174 74.1 0.0 135.6
176 72.6 0.0 131.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX037291.D
Acq: 28 Aug 2023 13:46

Tgt Ion: 117 Resp: 216580
Ion Ratio Lower Upper
117 100
82 54.6 46.2 69.4
119 32.2 25.5 38.3



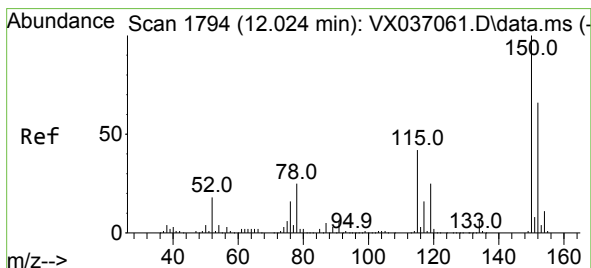
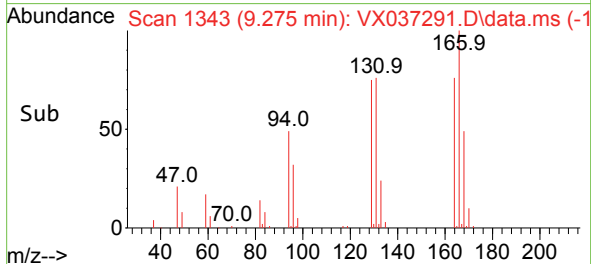
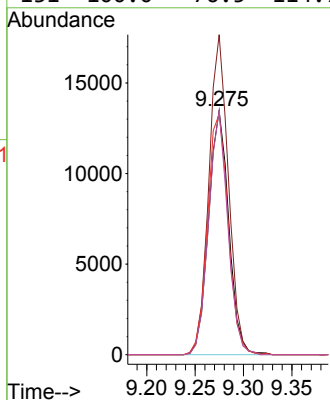
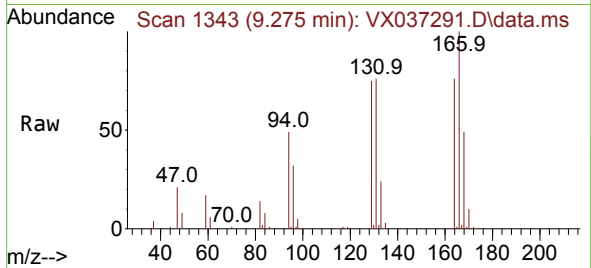


#64
Tetrachloroethene
Concen: 12.353 ug/l
RT: 9.275 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX037291.D
Acq: 28 Aug 2023 13:46

Instrument :
MSVOA_X
ClientSampleId :
RE134D3-20230818DL

Tgt Ion:164 Resp: 19517

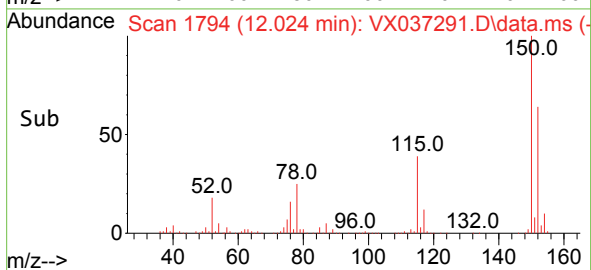
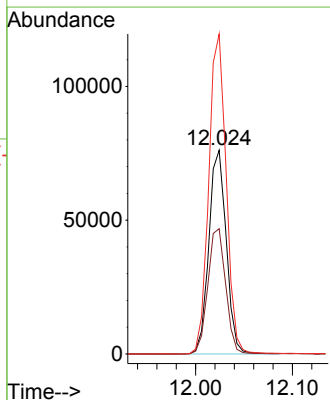
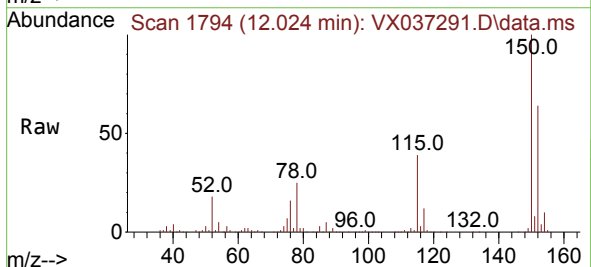
Ion	Ratio	Lower	Upper
164	100		
166	131.2	102.7	154.1
129	98.6	80.4	120.6
131	100.0	76.5	114.7

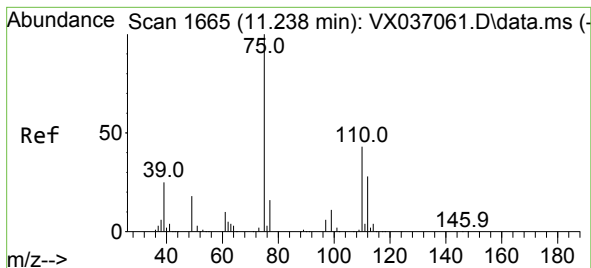


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX037291.D
Acq: 28 Aug 2023 13:46

Tgt Ion:152 Resp: 95688

Ion	Ratio	Lower	Upper
152	100		
115	63.0	43.3	129.9
150	157.1	0.0	345.0





#76

1,2,3-Trichloropropane

Concen: 25.582 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.158 min

Lab File: VX037291.D

Acq: 28 Aug 2023 13:46

Instrument :

MSVOA_X

ClientSampleId :

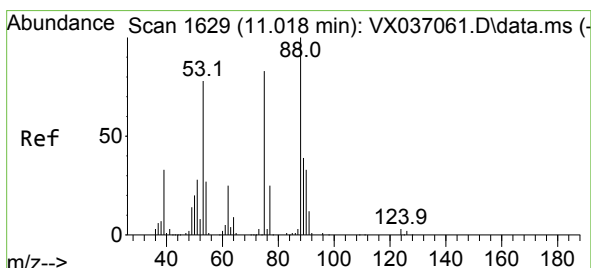
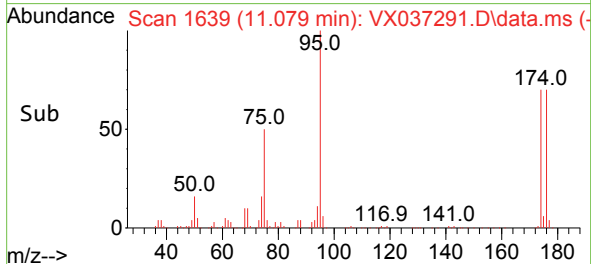
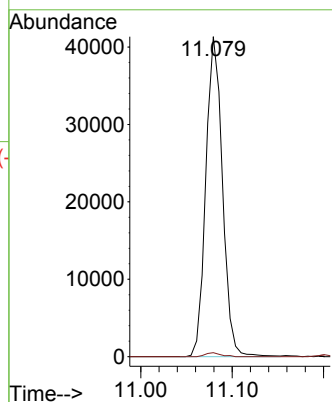
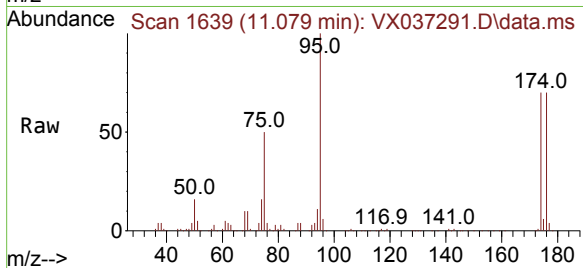
RE134D3-20230818DL

Tgt Ion: 75 Resp: 52132

Ion Ratio Lower Upper

75 100

77 1.2 19.1 57.5#



#81

trans-1,4-Dichloro-2-butene

Concen: 71.452 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.061 min

Lab File: VX037291.D

Acq: 28 Aug 2023 13:46

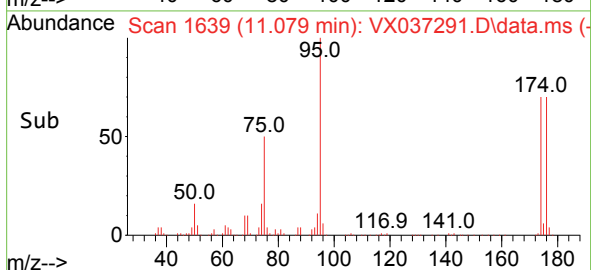
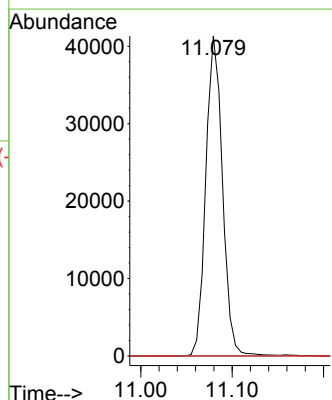
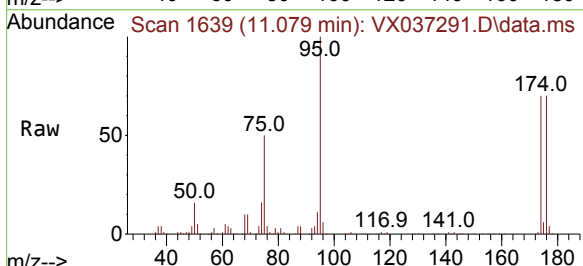
Tgt Ion: 75 Resp: 52132

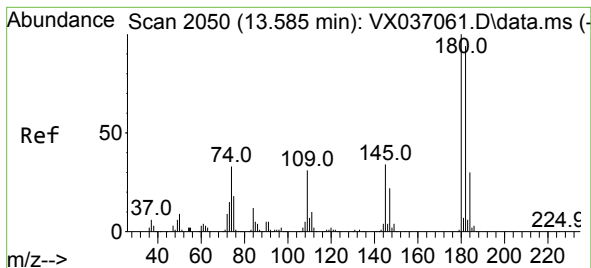
Ion Ratio Lower Upper

75 100

53 0.0 90.5 135.7#

89 0.0 36.9 55.3#





#93

1,2,4-Trichlorobenzene

Concen: 0.323 ug/l

RT: 13.591 min Scan# 2050

Delta R.T. 0.006 min

Lab File: VX037291.D

Acq: 28 Aug 2023 13:46

Instrument :

MSVOA_X

ClientSampleId :

RE134D3-20230818DL

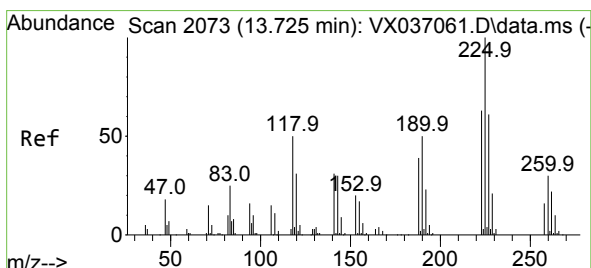
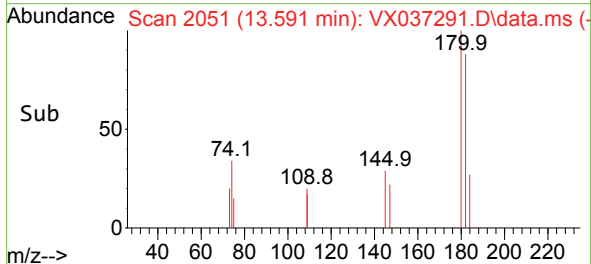
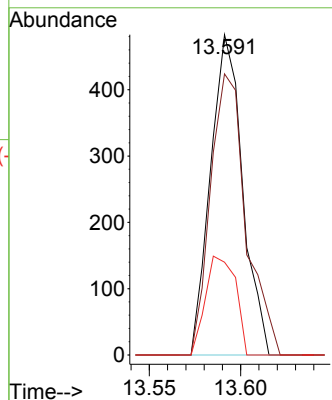
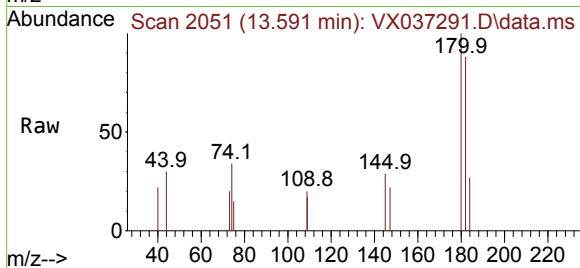
Tgt Ion:180 Resp: 589

Ion Ratio Lower Upper

180 100

182 96.9 48.3 144.8

145 28.9 18.0 54.0



#94

Hexachlorobutadiene

Concen: 0.439 ug/l

RT: 13.725 min Scan# 2073

Delta R.T. 0.000 min

Lab File: VX037291.D

Acq: 28 Aug 2023 13:46

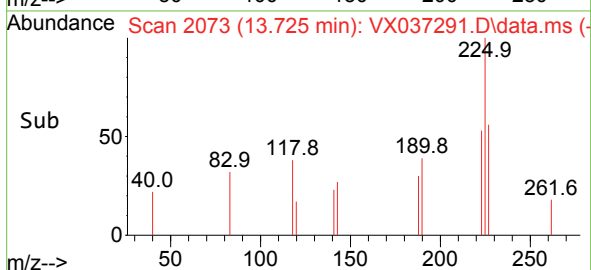
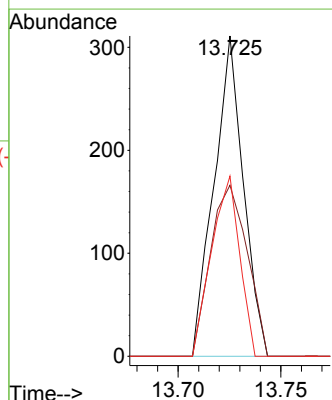
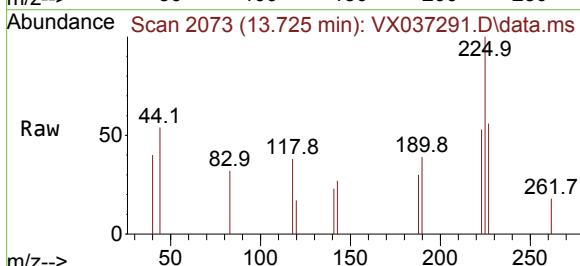
Tgt Ion:225 Resp: 309

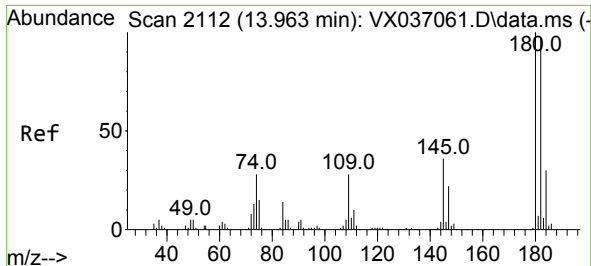
Ion Ratio Lower Upper

225 100

223 67.0 31.1 93.2

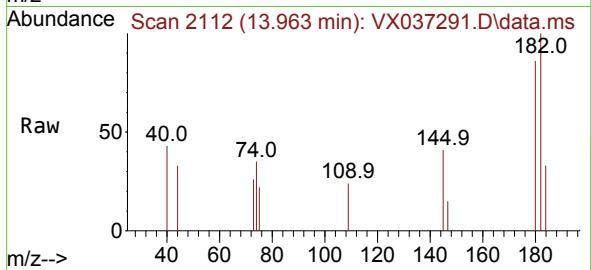
227 53.7 32.5 97.5





#96
 1,2,3-Trichlorobenzene
 Concen: 0.294 ug/l
 RT: 13.963 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: VX037291.D
 Acq: 28 Aug 2023 13:46

Instrument :
 MSVOA_X
 ClientSampleId :
 RE134D3-20230818DL



Tgt Ion:	180	Resp:	533
Ion	Ratio	Lower	Upper
180	100		
182	110.5	46.9	140.6
145	37.5	17.8	53.5

