

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX083123\
 Data File : VX037432.D
 Acq On : 31 Aug 2023 15:53
 Operator : JC/MD
 Sample : 04128-18DL 5X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TT180D1-20230821DL

Quant Time: Sep 01 03:13:14 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)

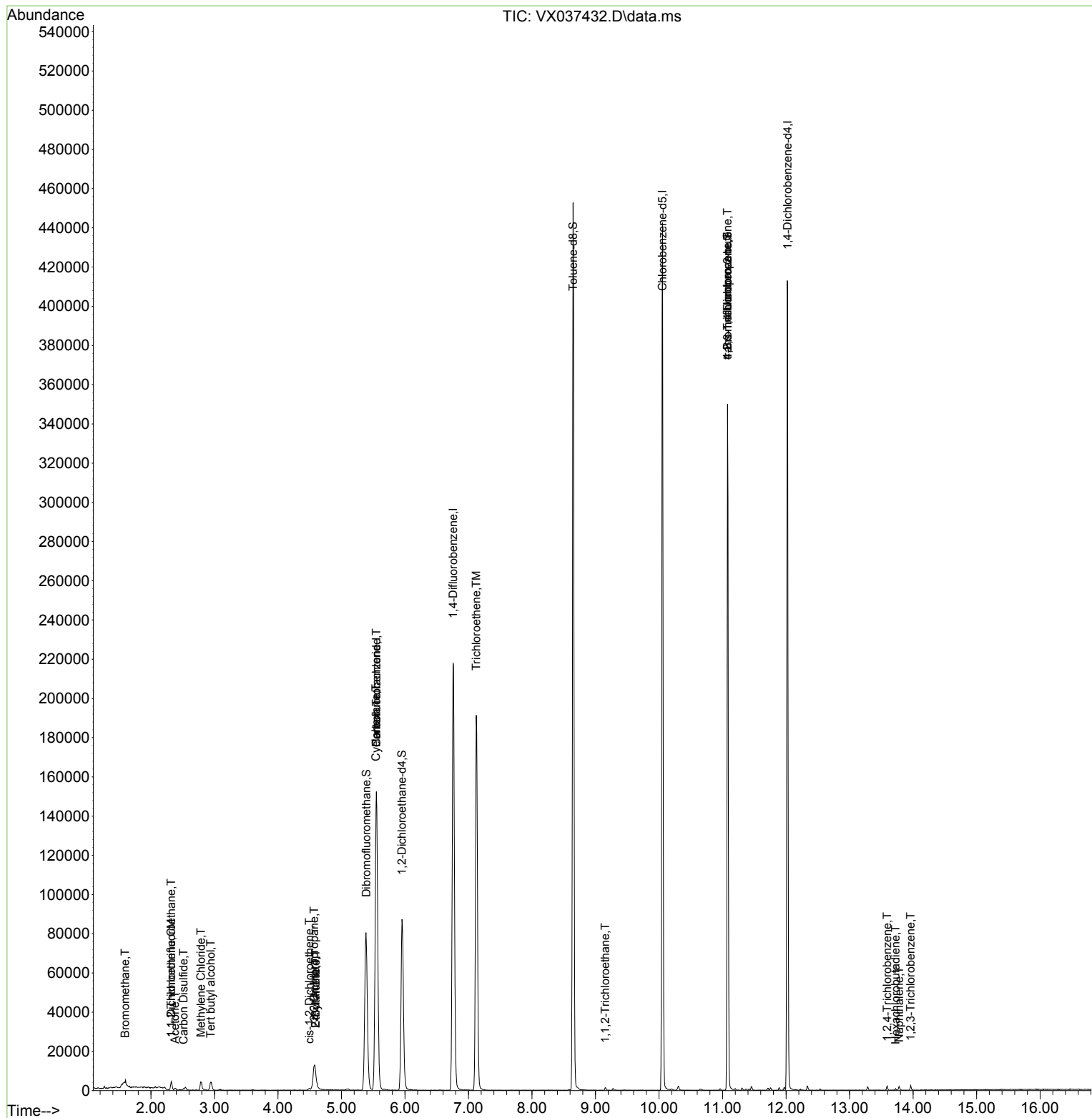
Internal Standards						
1) Pentafluorobenzene	5.550	168	143463	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	236809	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	207942	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	89270	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	86474	41.810	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	83.620%		
35) Dibromofluoromethane	5.391	113	71985	45.899	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	91.800%		
50) Toluene-d8	8.647	98	275097	48.357	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	96.720%		
62) 4-Bromofluorobenzene	11.079	95	97577	43.646	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	87.300%		
Target Compounds					Qvalue	
5) Bromomethane	1.593	94	200	0.253	ug/l #	47
9) 1,1,2-Trichlorotrifluo...	2.319	101	971	0.640	ug/l	99
11) Tert butyl alcohol	2.941	59	2764	5.697	ug/l #	78
12) 1,1-Dichloroethene	2.319	96	794	0.538	ug/l #	69
16) Acetone	2.380	43	1083	1.338	ug/l	92
17) Carbon Disulfide	2.514	76	866	0.231	ug/l #	76
20) Methylene Chloride	2.788	84	2737	1.513	ug/l	86
25) 2-Butanone	4.593	43	908	0.745	ug/l #	51
26) 2,2-Dichloropropane	4.568	77	1166	0.444	ug/l #	54
27) cis-1,2-Dichloroethene	4.495	96	709	0.358	ug/l	78
31) Cyclohexane	5.544	56	2603	1.119	ug/l #	1
37) Ethyl Acetate	4.593	43	908	0.399	ug/l #	69
38) Carbon Tetrachloride	5.550	117	15093	6.236	ug/l #	15
44) Trichloroethene	7.123	130	76751	42.356	ug/l	99
55) 1,1,2-Trichloroethane	9.153	97	484	0.282	ug/l	91
76) 1,2,3-Trichloropropane	11.079	75	48165	25.335	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.079	75	48165	70.761	ug/l #	5
93) 1,2,4-Trichlorobenzene	13.591	180	731	0.430	ug/l	87
94) Hexachlorobutadiene	13.725	225	240	0.365	ug/l #	57
95) Naphthalene	13.780	128	1800	0.242	ug/l #	97
96) 1,2,3-Trichlorobenzene	13.963	180	684	0.405	ug/l	94

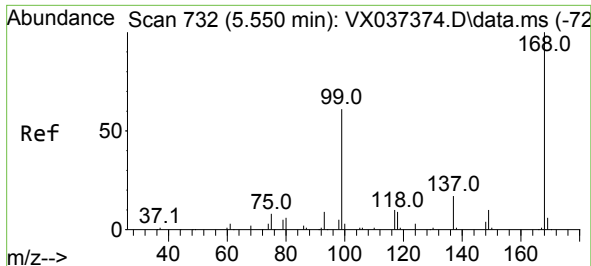
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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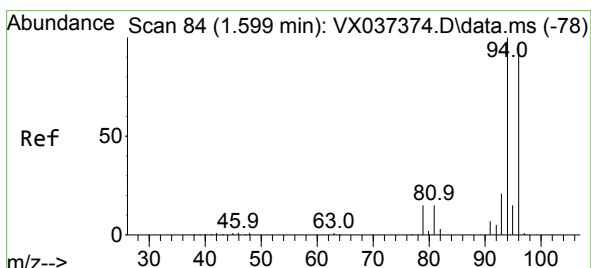
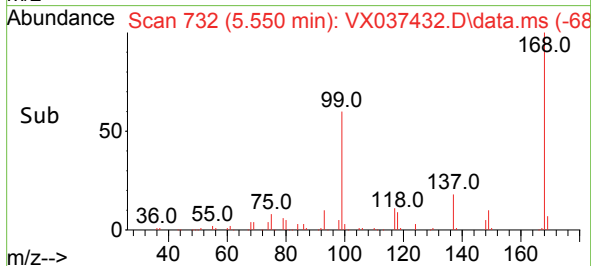
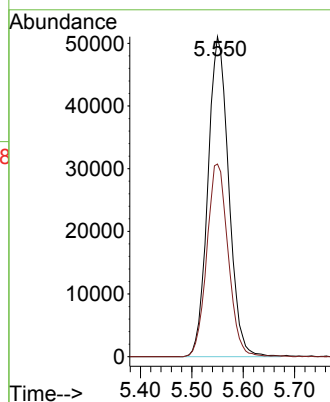
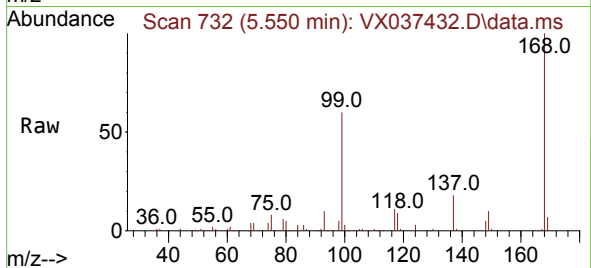




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX037432.D
Acq: 31 Aug 2023 15:53

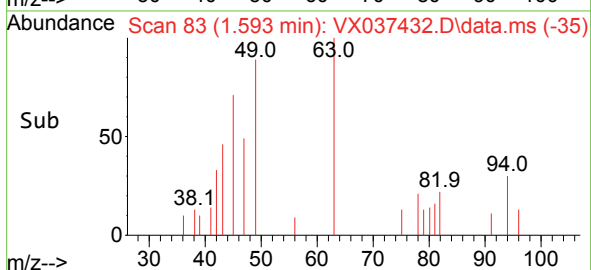
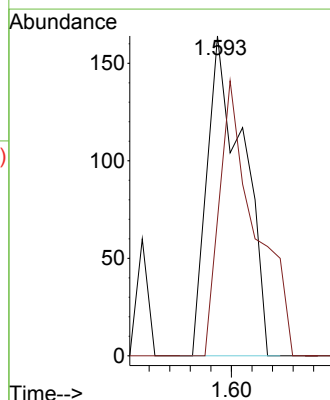
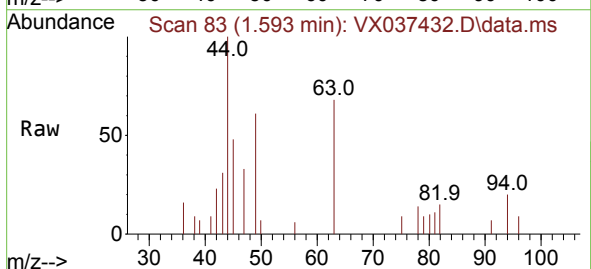
Instrument :
MSVOA_X
ClientSampleId :
TT180D1-20230821DL

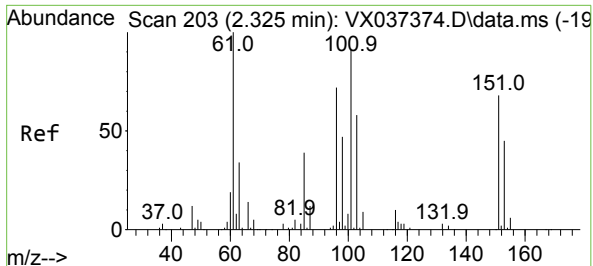
Tgt Ion:168 Resp: 143463
Ion Ratio Lower Upper
168 100
99 60.2 56.6 85.0



#5
Bromomethane
Concen: 0.253 ug/l
RT: 1.593 min Scan# 83
Delta R.T. -0.006 min
Lab File: VX037432.D
Acq: 31 Aug 2023 15:53

Tgt Ion: 94 Resp: 200
Ion Ratio Lower Upper
94 100
96 42.7 74.6 111.8#

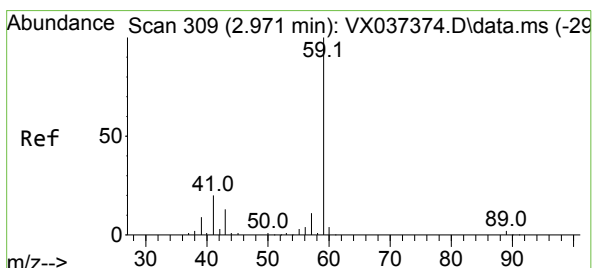
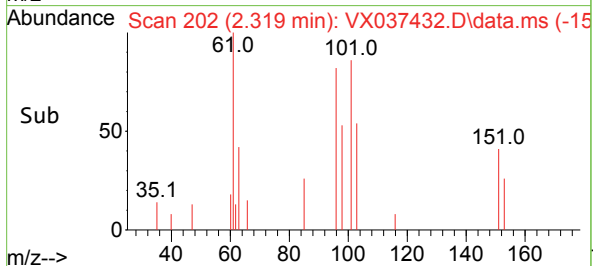
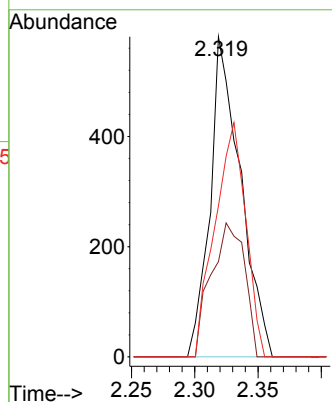
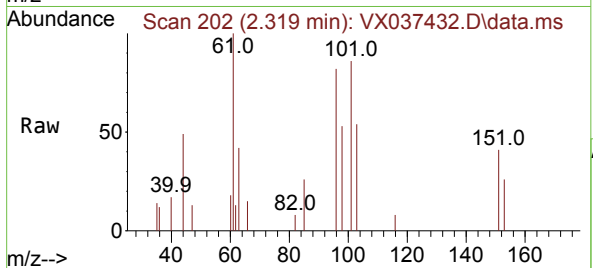




#9
1,1,2-Trichlorotrifluoroethane
Concen: 0.640 ug/l
RT: 2.319 min Scan# 203
Delta R.T. -0.006 min
Lab File: VX037432.D
Acq: 31 Aug 2023 15:53

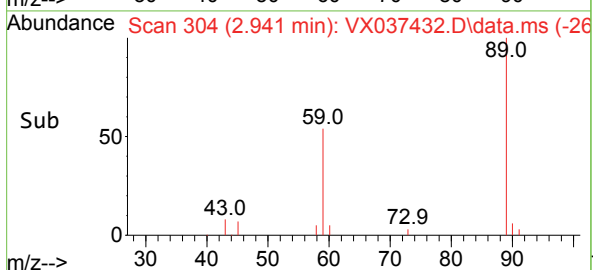
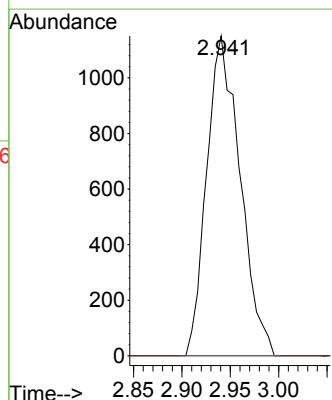
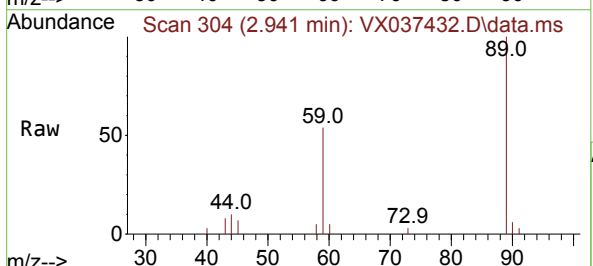
Instrument :
MSVOA_X
ClientSampleId :
TT180D1-20230821DL

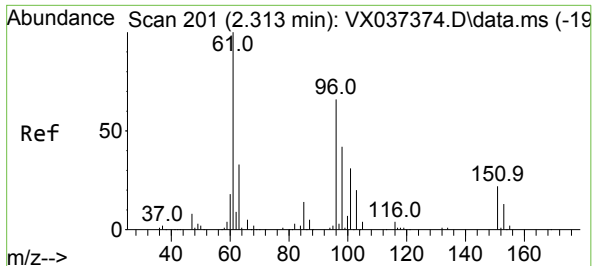
Tgt Ion:	101	Resp:	971
Ion	Ratio	Lower	Upper
101	100		
85	45.9	37.0	55.6
151	74.3	58.6	87.8



#11
Tert butyl alcohol
Concen: 5.697 ug/l
RT: 2.941 min Scan# 304
Delta R.T. -0.036 min
Lab File: VX037432.D
Acq: 31 Aug 2023 15:53

Tgt Ion:	59	Resp:	2764
Ion	Ratio	Lower	Upper
59	100		
57	0.0	6.0	9.0#

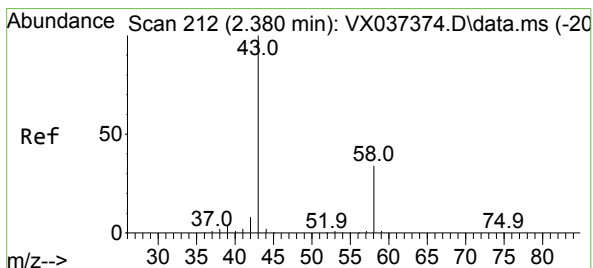
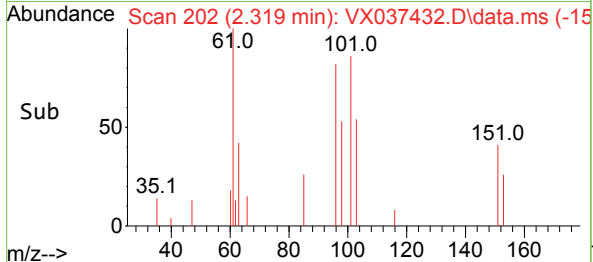
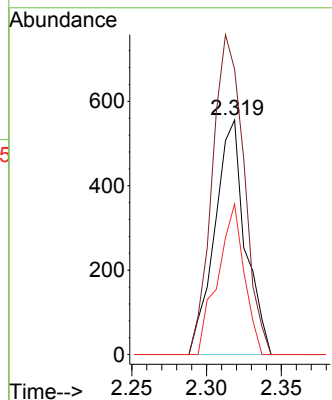
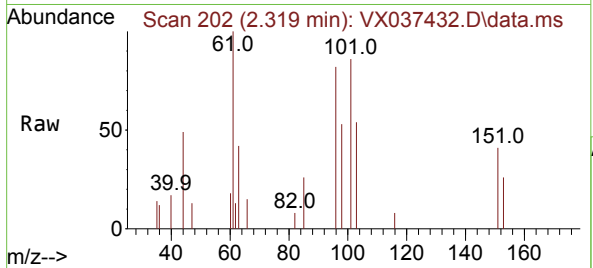




#12
1,1-Dichloroethene
Concen: 0.538 ug/l
RT: 2.319 min Scan# 201
Delta R.T. 0.006 min
Lab File: VX037432.D
Acq: 31 Aug 2023 15:53

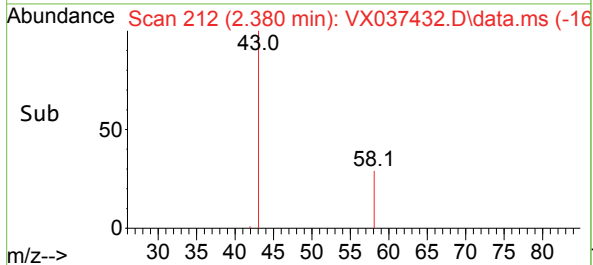
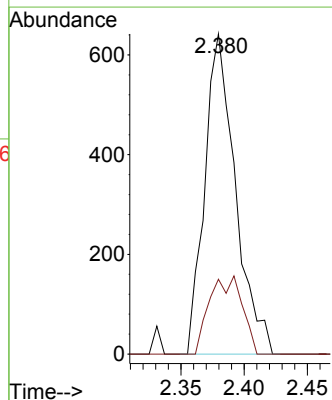
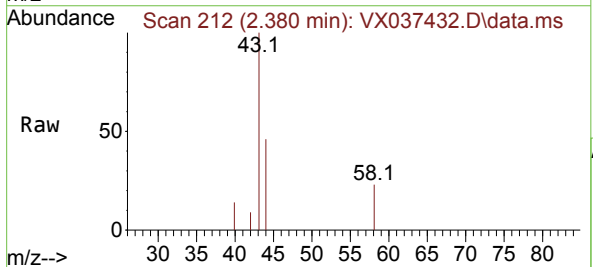
Instrument :
MSVOA_X
ClientSampleId :
TT180D1-20230821DL

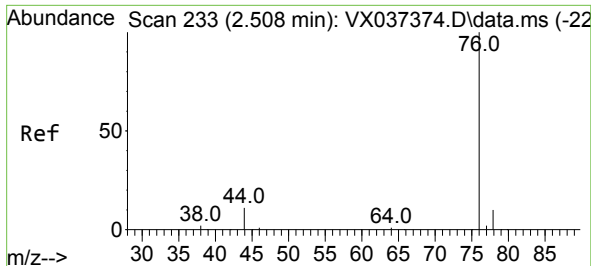
Tgt Ion: 96 Resp: 794
Ion Ratio Lower Upper
96 100
61 121.6 144.6 216.8#
98 64.2 50.4 75.6



#16
Acetone
Concen: 1.338 ug/l
RT: 2.380 min Scan# 212
Delta R.T. -0.006 min
Lab File: VX037432.D
Acq: 31 Aug 2023 15:53

Tgt Ion: 43 Resp: 1083
Ion Ratio Lower Upper
43 100
58 23.4 21.9 32.9

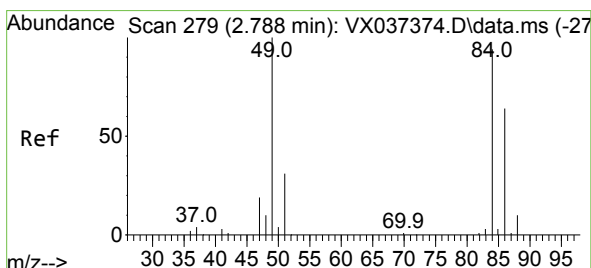
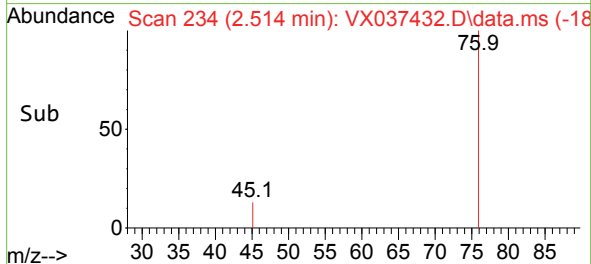
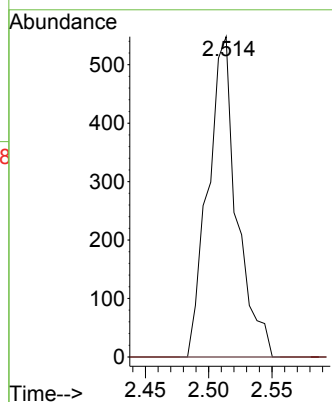
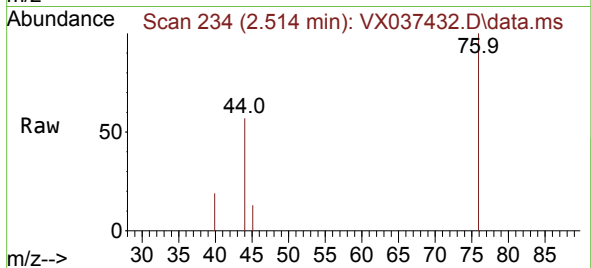




#17
Carbon Disulfide
Concen: 0.231 ug/l
RT: 2.514 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX037432.D
Acq: 31 Aug 2023 15:53

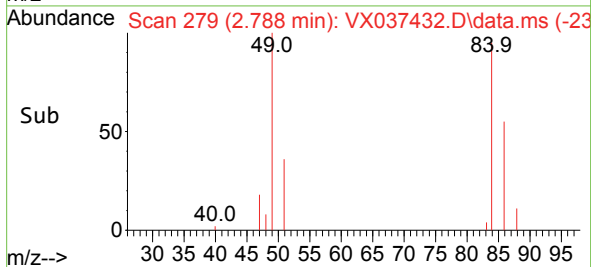
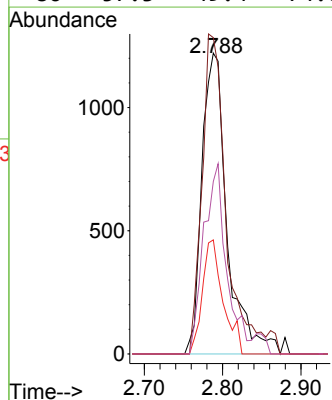
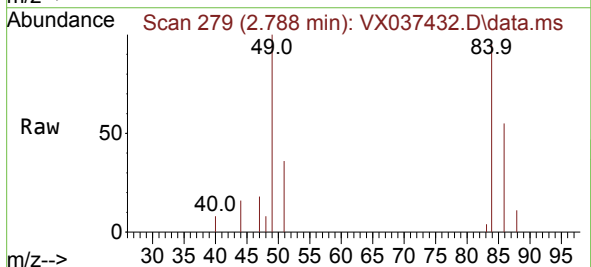
Instrument :
MSVOA_X
ClientSampleId :
TT180D1-20230821DL

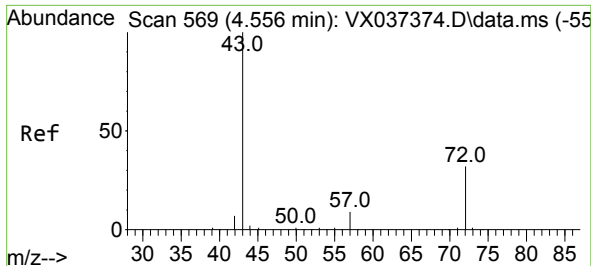
Tgt Ion: 76 Resp: 866
Ion Ratio Lower Upper
76 100
78 0.0 7.0 10.6#



#20
Methylene Chloride
Concen: 1.513 ug/l
RT: 2.788 min Scan# 279
Delta R.T. 0.000 min
Lab File: VX037432.D
Acq: 31 Aug 2023 15:53

Tgt Ion: 84 Resp: 2737
Ion Ratio Lower Upper
84 100
49 105.2 103.6 155.4
51 37.9 33.8 50.6
86 57.3 49.4 74.0





#25

2-Butanone

Concen: 0.745 ug/l

RT: 4.593 min Scan# 5

Delta R.T. 0.037 min

Lab File: VX037432.D

Acq: 31 Aug 2023 15:53

Instrument :

MSVOA_X

ClientSampleId :

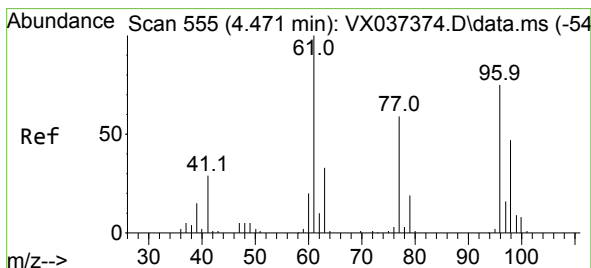
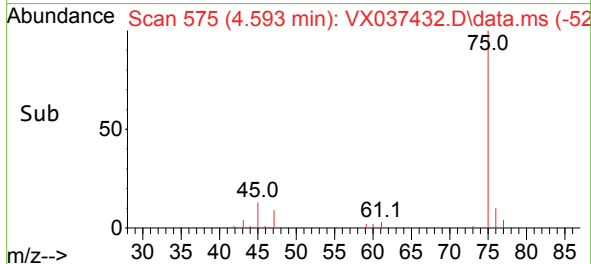
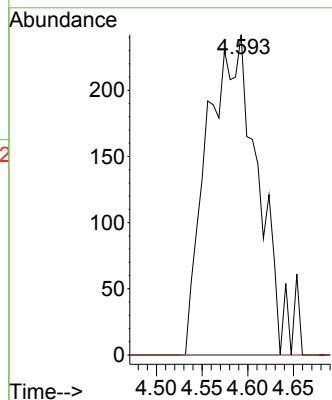
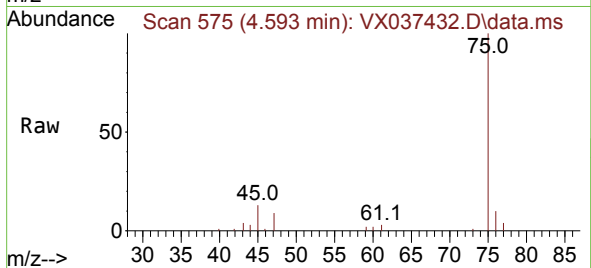
TT180D1-20230821DL

Tgt Ion: 43 Resp: 908

Ion Ratio Lower Upper

43 100

72 0.0 19.4 29.2#



#26

2,2-Dichloropropane

Concen: 0.444 ug/l

RT: 4.568 min Scan# 571

Delta R.T. 0.092 min

Lab File: VX037432.D

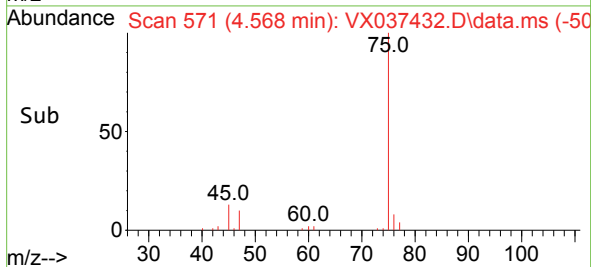
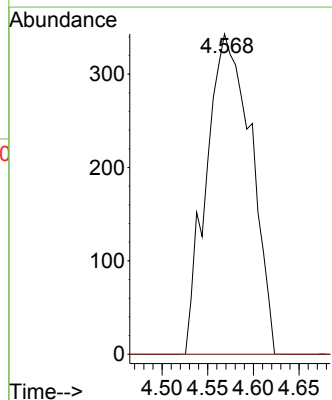
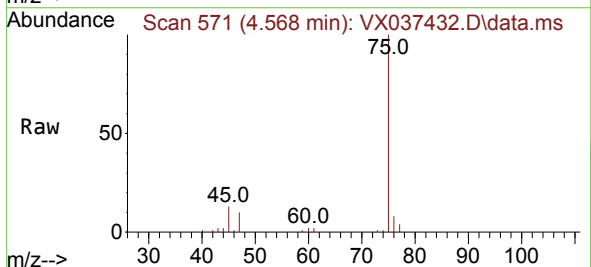
Acq: 31 Aug 2023 15:53

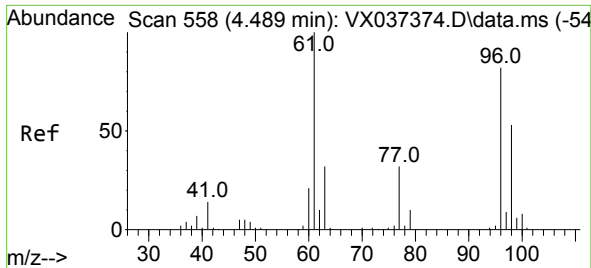
Tgt Ion: 77 Resp: 1166

Ion Ratio Lower Upper

77 100

97 0.0 10.8 32.3#

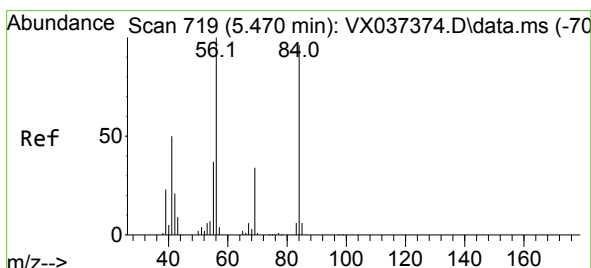
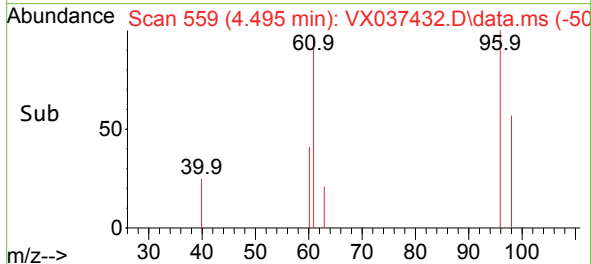
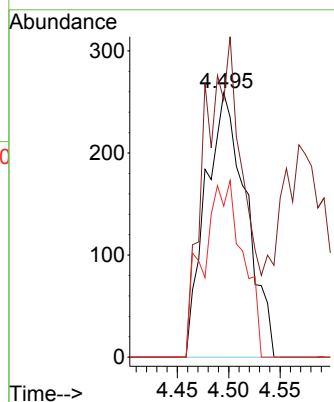
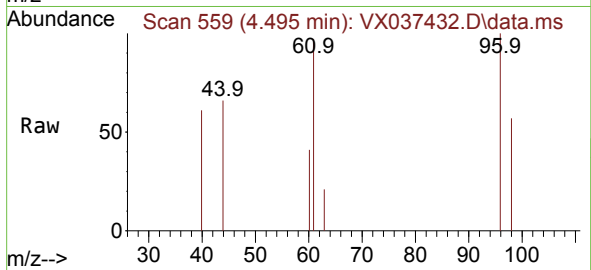




#27
 cis-1,2-Dichloroethene
 Concen: 0.358 ug/l
 RT: 4.495 min Scan# 511
 Delta R.T. 0.006 min
 Lab File: VX037432.D
 Acq: 31 Aug 2023 15:53

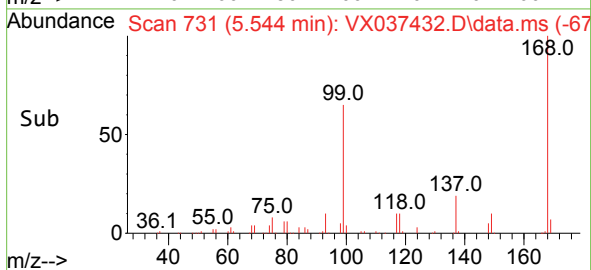
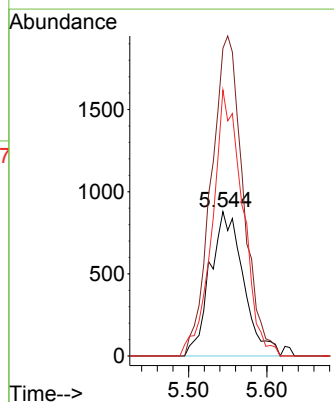
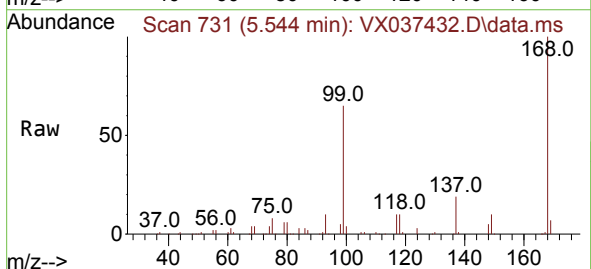
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 TT180D1-20230821DL

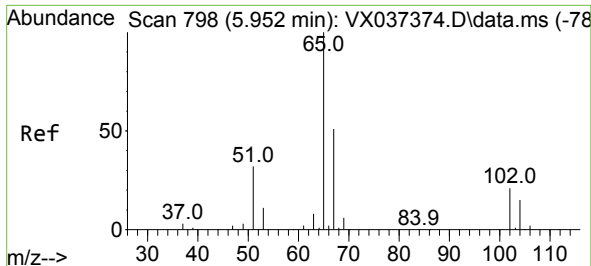
Tgt Ion: 96	Resp:	709	
Ion	Ratio	Lower	Upper
96	100		
61	116.8	0.0	312.2
98	65.7	0.0	129.0



#31
 Cyclohexane
 Concen: 1.119 ug/l
 RT: 5.544 min Scan# 731
 Delta R.T. 0.073 min
 Lab File: VX037432.D
 Acq: 31 Aug 2023 15:53

Tgt Ion: 56	Resp:	2603	
Ion	Ratio	Lower	Upper
56	100		
69	213.1	23.4	35.2#
84	184.2	65.9	98.9#





#33

1,2-Dichloroethane-d4

Concen: 41.810 ug/l

RT: 5.952 min Scan# 798

Delta R.T. -0.006 min

Lab File: VX037432.D

Acq: 31 Aug 2023 15:53

Instrument :

MSVOA_X

ClientSampleId :

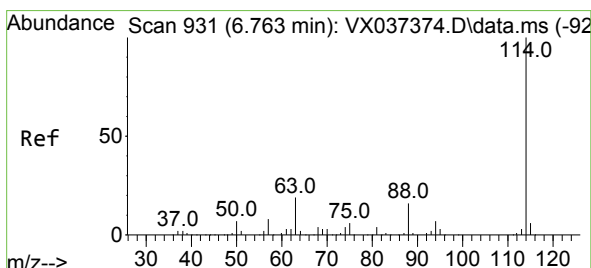
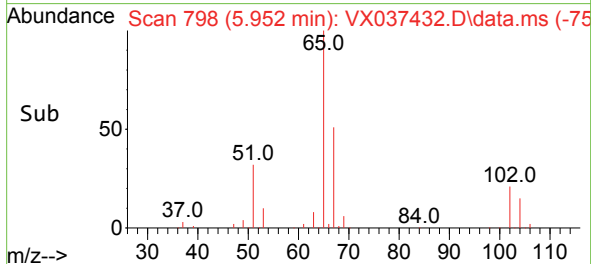
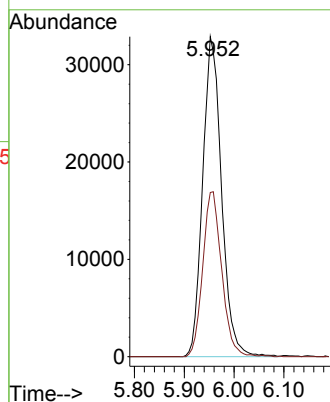
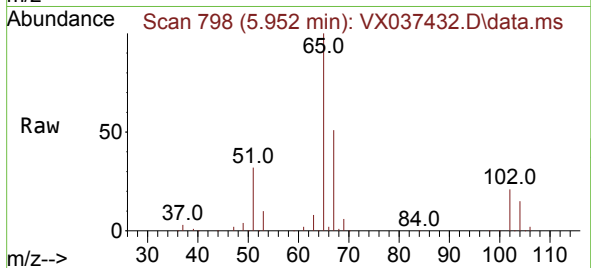
TT180D1-20230821DL

Tgt Ion: 65 Resp: 86474

Ion Ratio Lower Upper

65 100

67 51.8 0.0 100.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.757 min Scan# 930

Delta R.T. -0.006 min

Lab File: VX037432.D

Acq: 31 Aug 2023 15:53

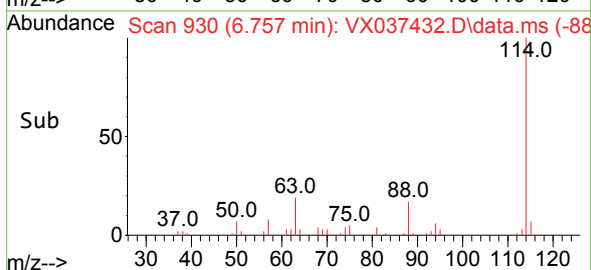
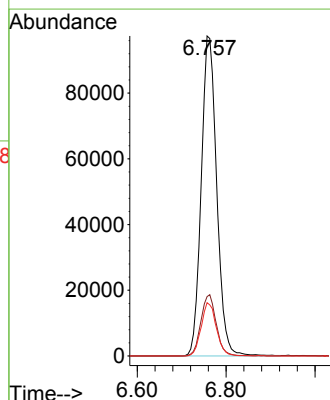
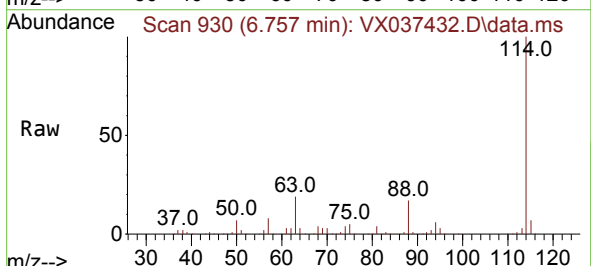
Tgt Ion: 114 Resp: 236809

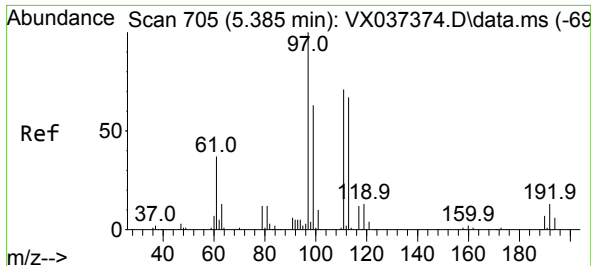
Ion Ratio Lower Upper

114 100

63 18.6 0.0 45.0

88 16.7 0.0 36.6

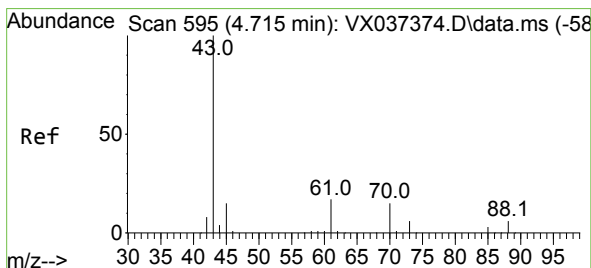
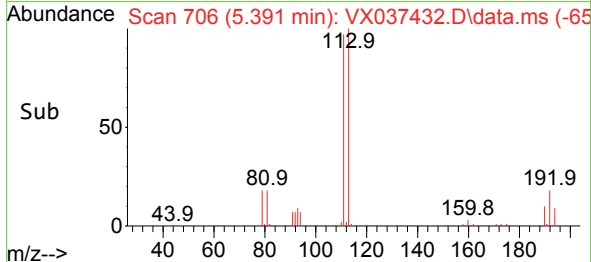
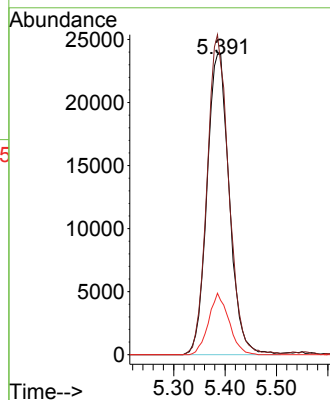
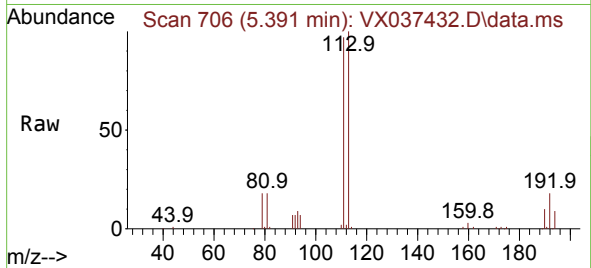




#35
Dibromofluoromethane
Concen: 45.899 ug/l
RT: 5.391 min Scan# 705
Delta R.T. 0.006 min
Lab File: VX037432.D
Acq: 31 Aug 2023 15:53

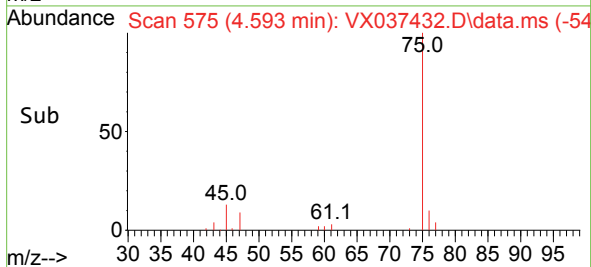
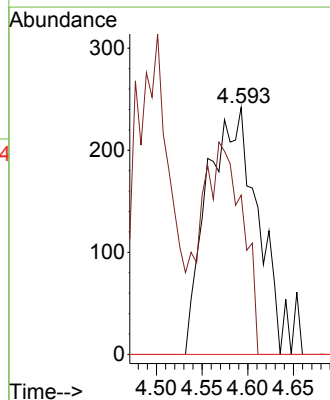
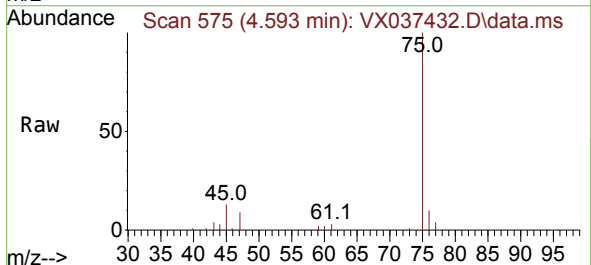
Instrument :
MSVOA_X
ClientSampleId :
TT180D1-20230821DL

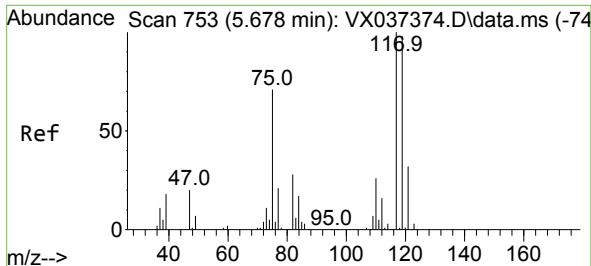
Tgt Ion:113 Resp: 71985
Ion Ratio Lower Upper
113 100
111 103.8 82.9 124.3
192 18.7 13.3 19.9



#37
Ethyl Acetate
Concen: 0.399 ug/l
RT: 4.593 min Scan# 575
Delta R.T. -0.122 min
Lab File: VX037432.D
Acq: 31 Aug 2023 15:53

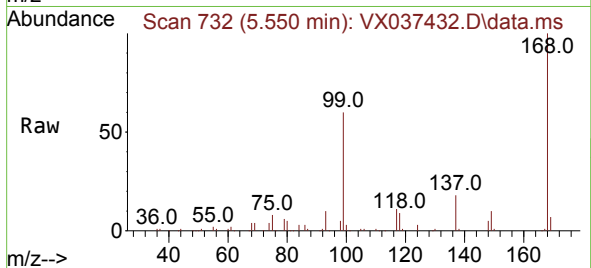
Tgt Ion: 43 Resp: 908
Ion Ratio Lower Upper
43 100
61 0.0 10.6 16.0#
70 0.0 8.3 12.5#



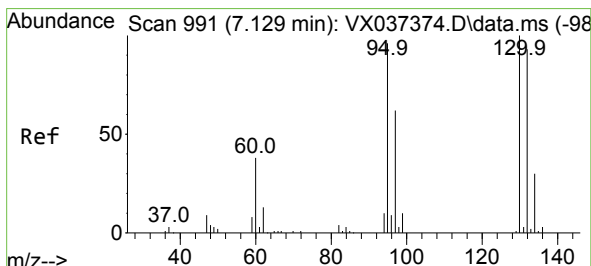
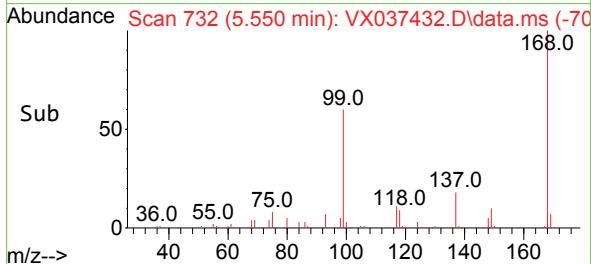
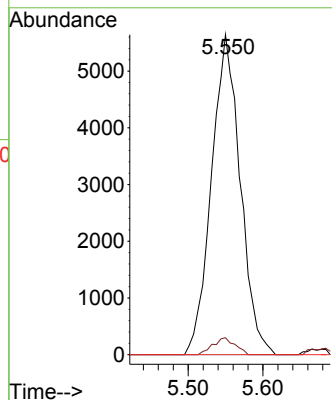


#38
Carbon Tetrachloride
Concen: 6.236 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.122 min
Lab File: VX037432.D
Acq: 31 Aug 2023 15:53

Instrument :
MSVOA_X
ClientSampleId :
TT180D1-20230821DL

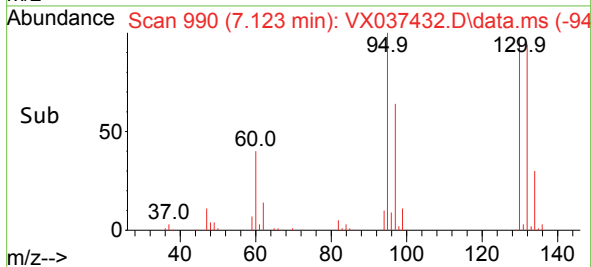
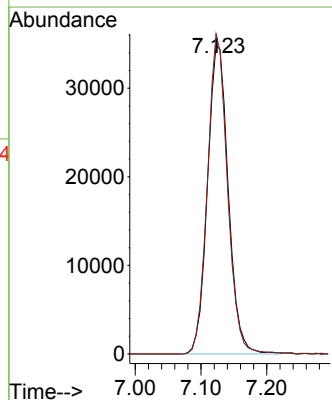
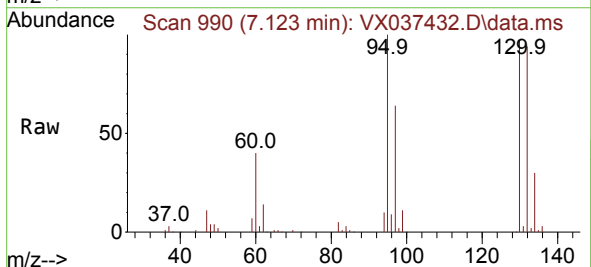


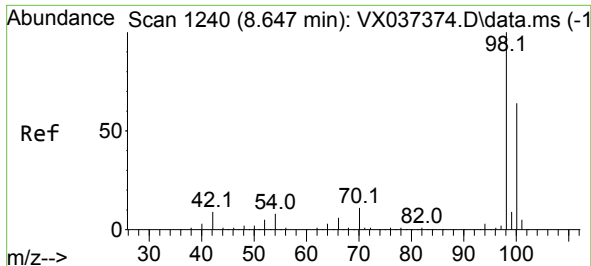
Tgt Ion:117 Resp: 15093
Ion Ratio Lower Upper
117 100
119 5.3 78.2 117.2#
121 0.0 24.4 36.6#



#44
Trichloroethene
Concen: 42.356 ug/l
RT: 7.123 min Scan# 990
Delta R.T. 0.000 min
Lab File: VX037432.D
Acq: 31 Aug 2023 15:53

Tgt Ion:130 Resp: 76751
Ion Ratio Lower Upper
130 100
95 103.6 0.0 204.4

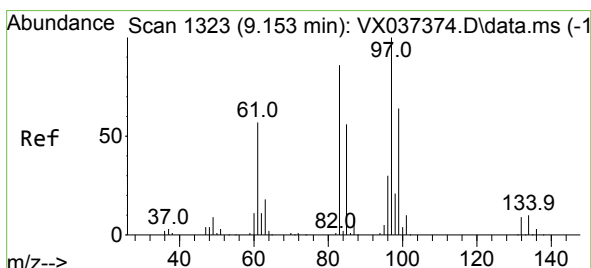
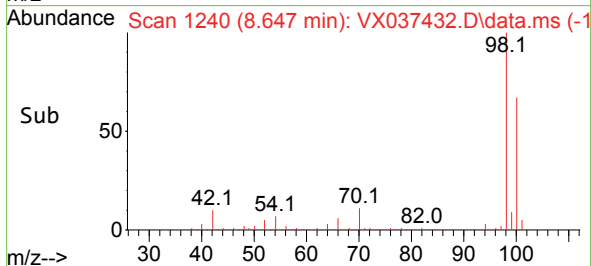
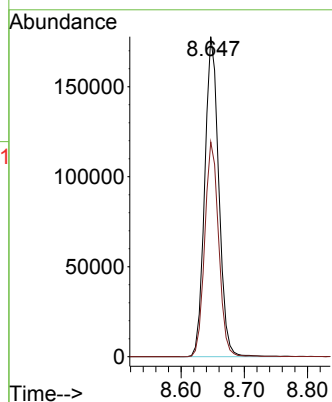
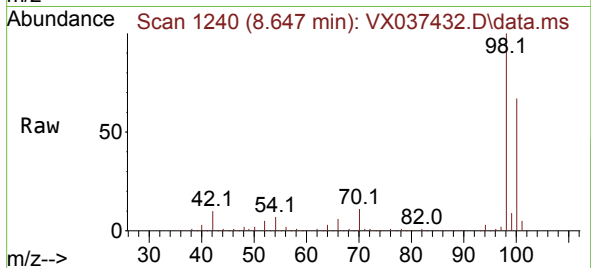




#50
Toluene-d8
Concen: 48.357 ug/l
RT: 8.647 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX037432.D
Acq: 31 Aug 2023 15:53

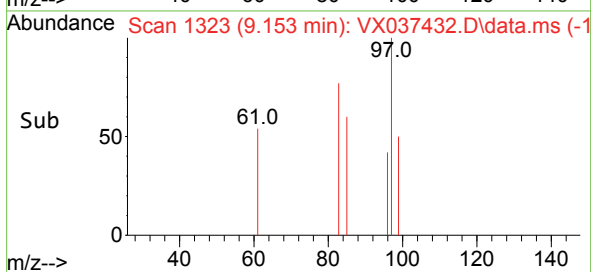
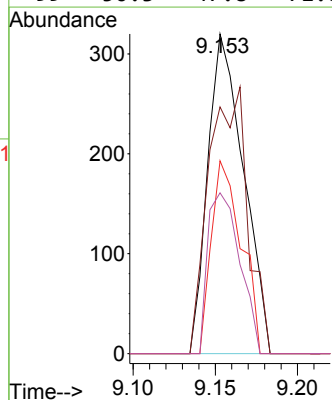
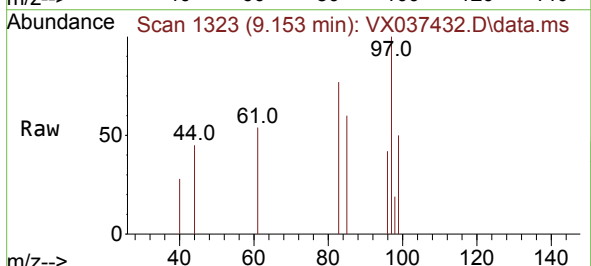
Instrument :
MSVOA_X
ClientSampleId :
TT180D1-20230821DL

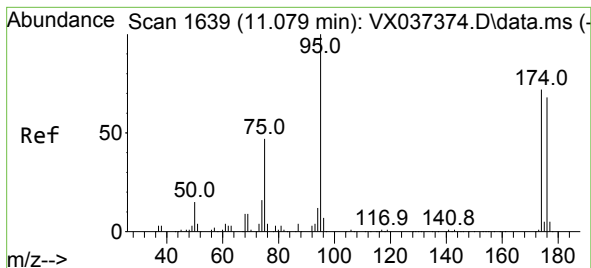
Tgt Ion: 98 Resp: 275097
Ion Ratio Lower Upper
98 100
100 66.6 53.1 79.7



#55
1,1,2-Trichloroethane
Concen: 0.282 ug/l
RT: 9.153 min Scan# 1323
Delta R.T. 0.000 min
Lab File: VX037432.D
Acq: 31 Aug 2023 15:53

Tgt Ion: 97 Resp: 484
Ion Ratio Lower Upper
97 100
83 77.2 65.8 98.8
85 60.3 41.6 62.4
99 50.3 47.8 71.8

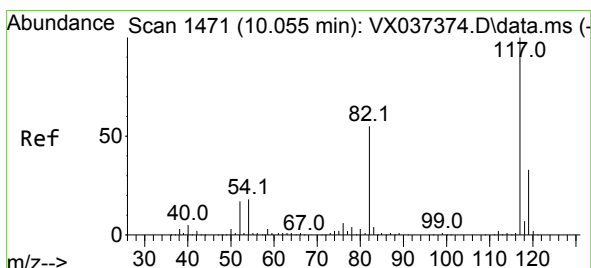
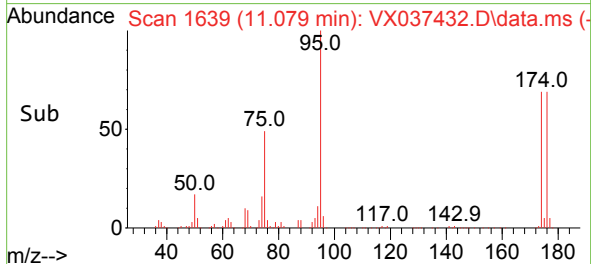
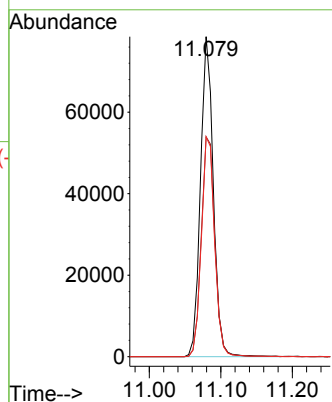
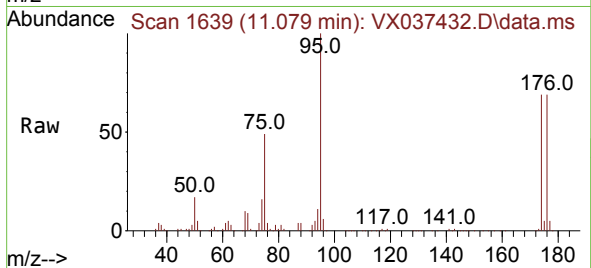




#62
4-Bromofluorobenzene
Concen: 43.646 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX037432.D
Acq: 31 Aug 2023 15:53

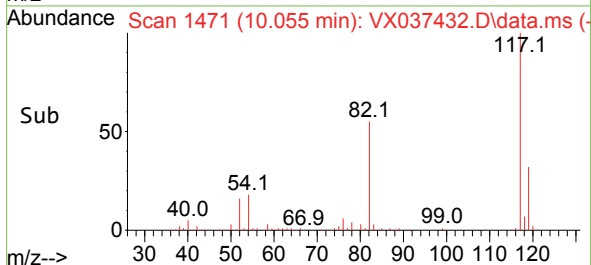
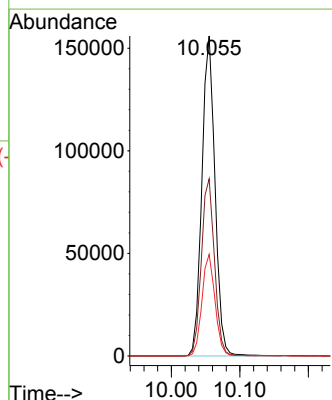
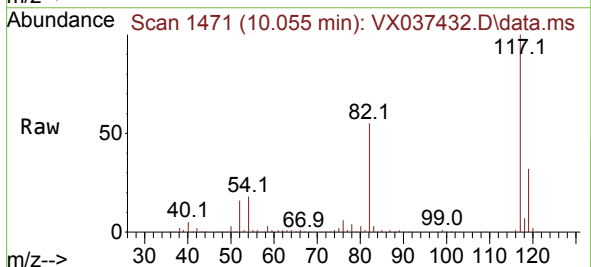
Instrument :
MSVOA_X
ClientSampleId :
TT180D1-20230821DL

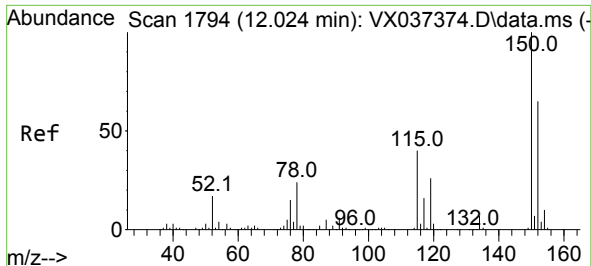
Tgt Ion: 95 Resp: 97577
Ion Ratio Lower Upper
95 100
174 72.7 0.0 135.6
176 71.2 0.0 131.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX037432.D
Acq: 31 Aug 2023 15:53

Tgt Ion: 117 Resp: 207942
Ion Ratio Lower Upper
117 100
82 55.4 46.2 69.4
119 31.8 25.5 38.3

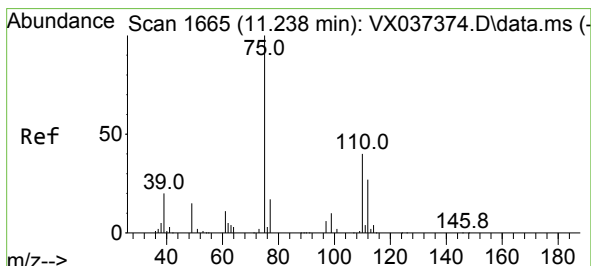
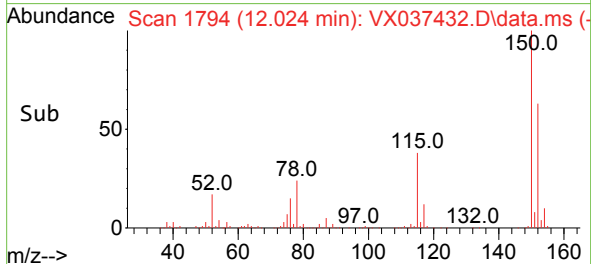
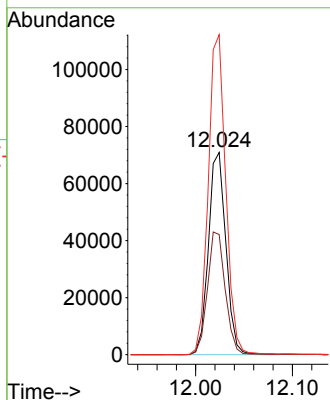
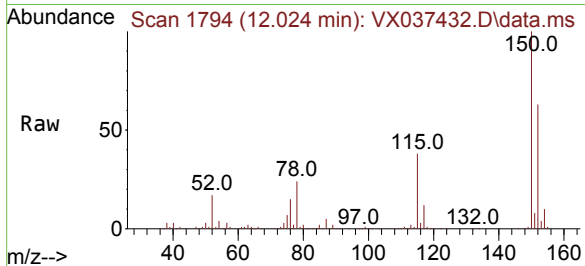




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.024 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: VX037432.D
 Acq: 31 Aug 2023 15:53

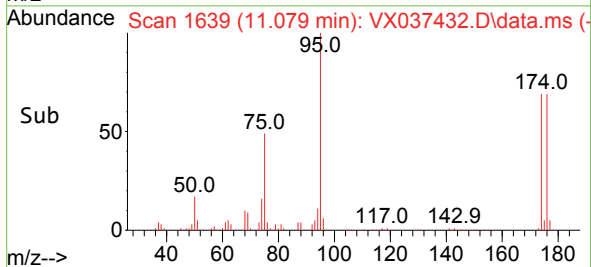
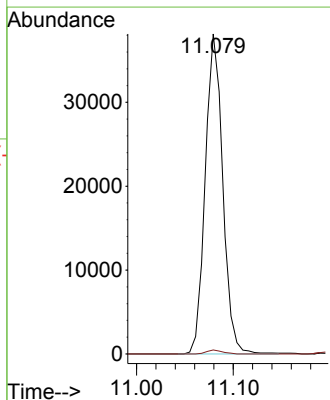
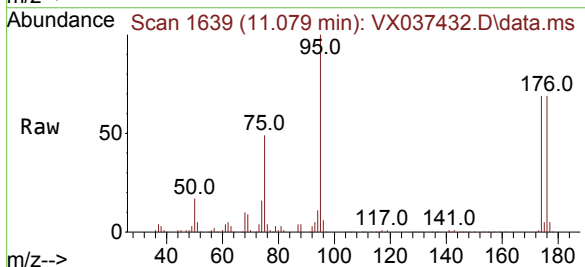
Instrument :
 MSVOA_X
 ClientSampleId :
 TT180D1-20230821DL

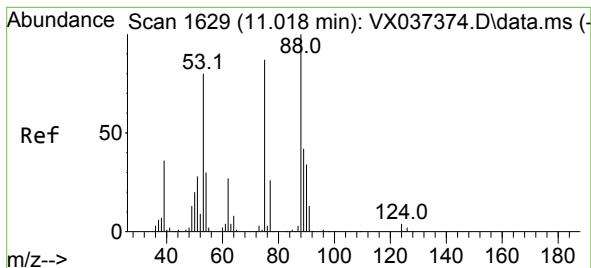
Tgt Ion:152 Resp: 89270
 Ion Ratio Lower Upper
 152 100
 115 62.0 43.3 129.9
 150 158.8 0.0 345.0



#76
 1,2,3-Trichloropropane
 Concen: 25.335 ug/l
 RT: 11.079 min Scan# 1639
 Delta R.T. -0.158 min
 Lab File: VX037432.D
 Acq: 31 Aug 2023 15:53

Tgt Ion: 75 Resp: 48165
 Ion Ratio Lower Upper
 75 100
 77 1.1 19.1 57.5#

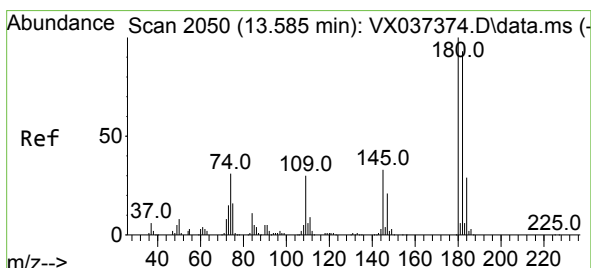
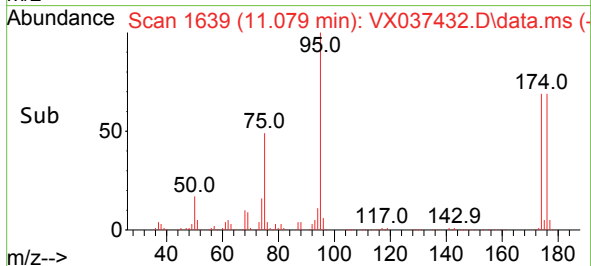
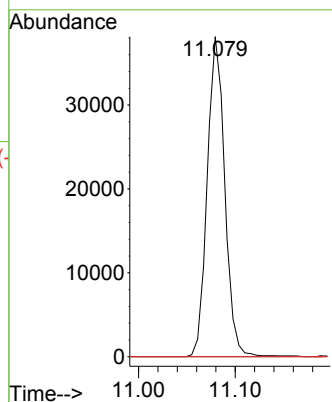
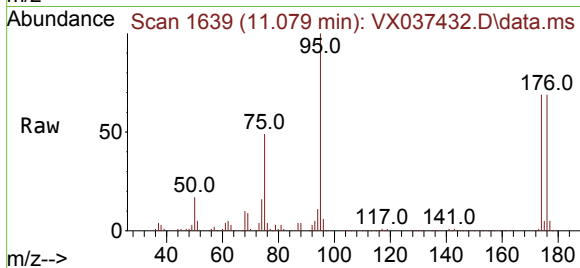




#81
trans-1,4-Dichloro-2-butene
Concen: 70.761 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.061 min
Lab File: VX037432.D
Acq: 31 Aug 2023 15:53

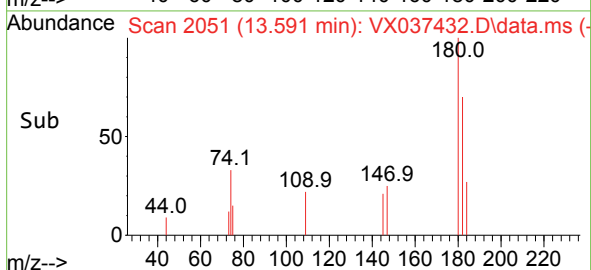
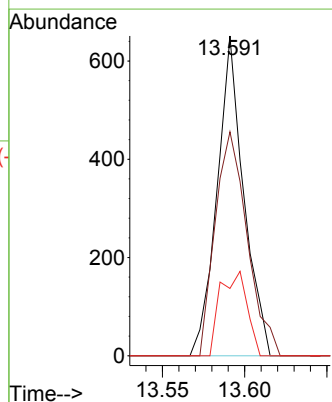
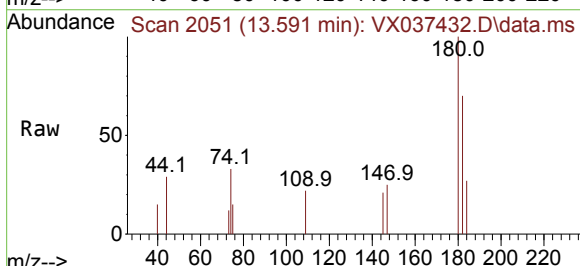
Instrument :
MSVOA_X
ClientSampleId :
TT180D1-20230821DL

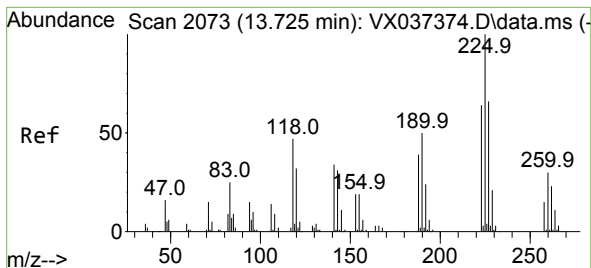
Tgt Ion: 75 Resp: 48165
Ion Ratio Lower Upper
75 100
53 0.0 90.5 135.7#
89 0.0 36.9 55.3#



#93
1,2,4-Trichlorobenzene
Concen: 0.430 ug/l
RT: 13.591 min Scan# 2051
Delta R.T. 0.006 min
Lab File: VX037432.D
Acq: 31 Aug 2023 15:53

Tgt Ion:180 Resp: 731
Ion Ratio Lower Upper
180 100
182 84.3 48.3 144.8
145 26.7 18.0 54.0





#94

Hexachlorobutadiene

Concen: 0.365 ug/l

RT: 13.725 min Scan# 2073

Delta R.T. 0.000 min

Lab File: VX037432.D

Acq: 31 Aug 2023 15:53

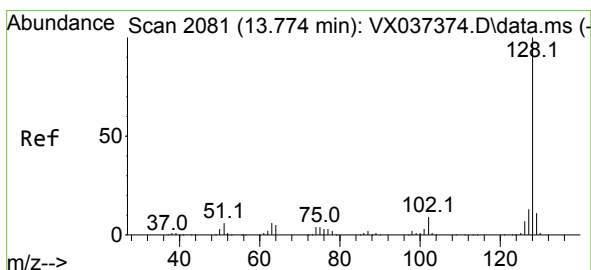
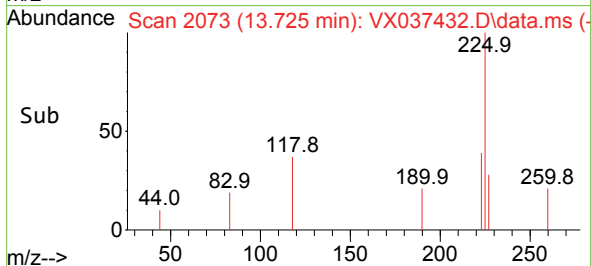
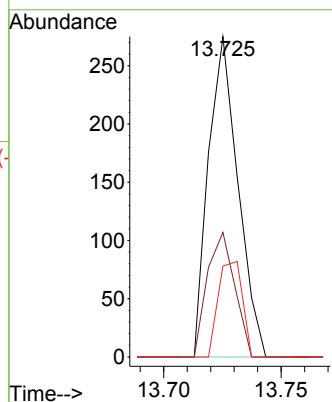
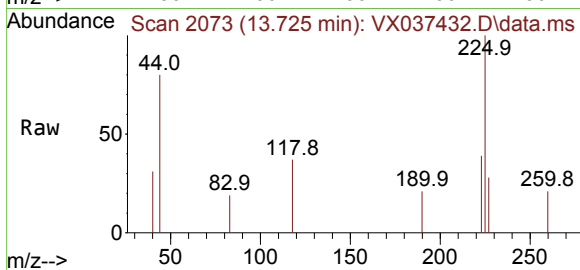
Instrument :

MSVOA_X

ClientSampleId :

TT180D1-20230821DL

Tgt Ion:225	Resp:	240
Ion Ratio	Lower	Upper
225	100	
223	35.8	31.1 93.2
227	24.6	32.5 97.5#



#95

Naphthalene

Concen: 0.242 ug/l

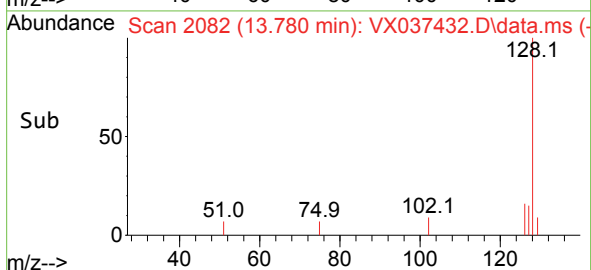
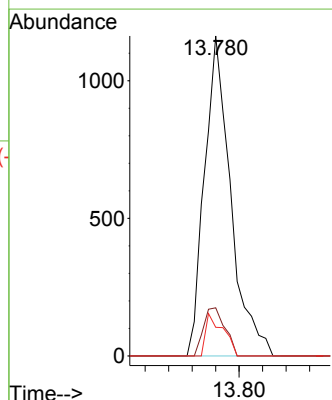
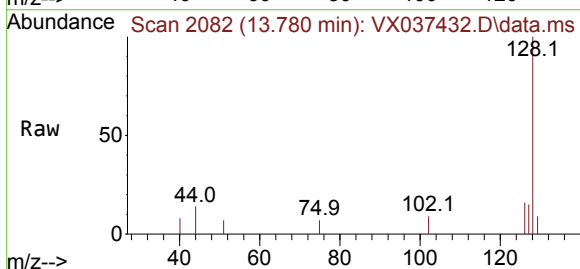
RT: 13.780 min Scan# 2082

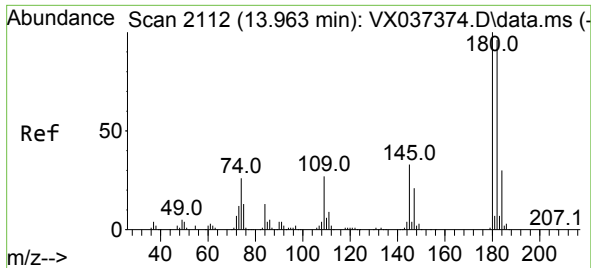
Delta R.T. 0.006 min

Lab File: VX037432.D

Acq: 31 Aug 2023 15:53

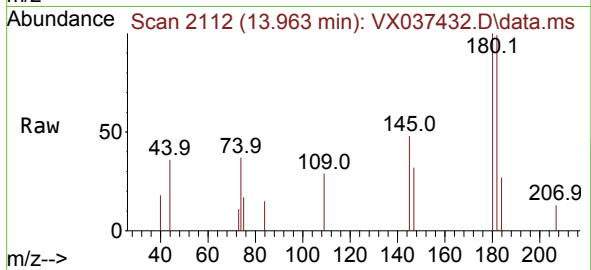
Tgt Ion:128	Resp:	1800
Ion Ratio	Lower	Upper
128	100	
127	12.4	10.3 15.5
129	8.7	8.8 13.2#





#96
 1,2,3-Trichlorobenzene
 Concen: 0.405 ug/l
 RT: 13.963 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: VX037432.D
 Acq: 31 Aug 2023 15:53

Instrument :
 MSVOA_X
 ClientSampleId :
 TT180D1-20230821DL



Tgt Ion:	180	Resp:	684
Ion	Ratio	Lower	Upper
180	100		
182	98.5	46.9	140.6
145	30.0	17.8	53.5

