

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022824\
 Data File : VX040506.D
 Acq On : 28 Feb 2024 12:58
 Operator : JC/MD
 Sample : P1614-02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 RE137-SP302-A-20240227

Quant Time: Feb 29 03:48:25 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022624W.M
 Quant Title : SW846 8260
 QLast Update : Tue Feb 27 05:01:33 2024
 Response via : Initial Calibration

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

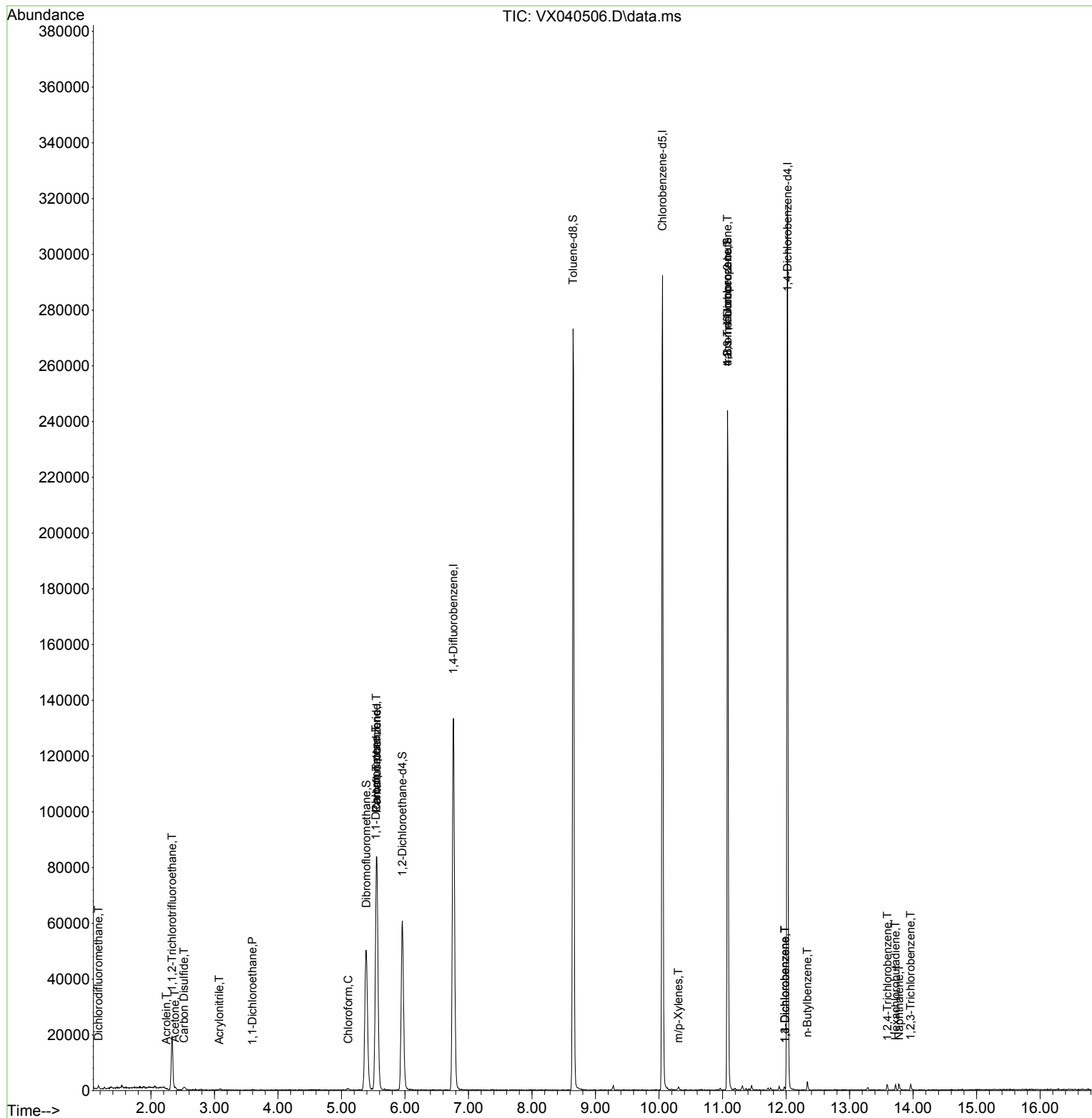
Internal Standards						
1) Pentafluorobenzene	5.555	168	73631	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	129506	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	122362	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	61999	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	60666	49.261	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	98.520%
35) Dibromofluoromethane	5.391	113	43665	48.486	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	96.980%
50) Toluene-d8	8.646	98	158137	48.375	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	96.760%
62) 4-Bromofluorobenzene	11.079	95	61262	49.163	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	98.320%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.172	85	535	0.584	ug/l #	66
9) 1,1,2-Trichlorotrifluo...	2.330	101	7047	8.434	ug/l	91
13) Acrolein	2.239	56	64	0.482	ug/l #	1
15) Acrylonitrile	3.074	53	217	0.418	ug/l #	60
16) Acetone	2.379	43	892	2.221	ug/l #	88
17) Carbon Disulfide	2.519	76	833	0.359	ug/l #	76
24) 1,1-Dichloroethane	3.599	63	368	0.214	ug/l #	83
30) Chloroform	5.104	83	399	0.219	ug/l #	68
36) 1,1-Dichloropropene	5.543	75	6851	4.938	ug/l #	52
38) Carbon Tetrachloride	5.549	117	8207	6.123	ug/l #	16
68) m/p-Xylenes	10.305	106	357	0.201	ug/l	84
76) 1,2,3-Trichloropropane	11.079	75	36023	26.400	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.079	75	36023	76.751	ug/l #	5
87) 1,3-Dichlorobenzene	11.981	146	508	0.236	ug/l	84
88) 1,4-Dichlorobenzene	11.981	146	508	0.232	ug/l	84
89) n-Butylbenzene	12.335	91	1196	0.307	ug/l	97
93) 1,2,4-Trichlorobenzene	13.597	180	767	0.573	ug/l	74
94) Hexachlorobutadiene	13.725	225	353	0.645	ug/l	76
95) Naphthalene	13.780	128	1949	0.456	ug/l #	92
96) 1,2,3-Trichlorobenzene	13.963	180	591	0.465	ug/l	90

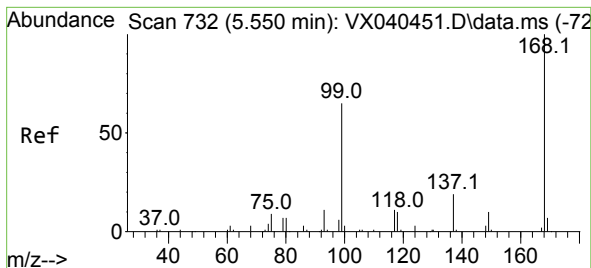
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Tue Feb 27 05:01:33 2024
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.555 min Scan# 71

Delta R.T. 0.005 min

Lab File: VX040506.D

Acq: 28 Feb 2024 12:58

Instrument :

MSVOA_X

ClientSampleId :

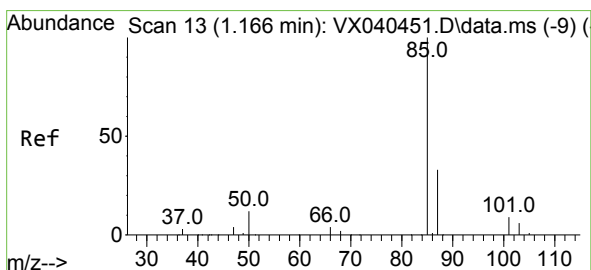
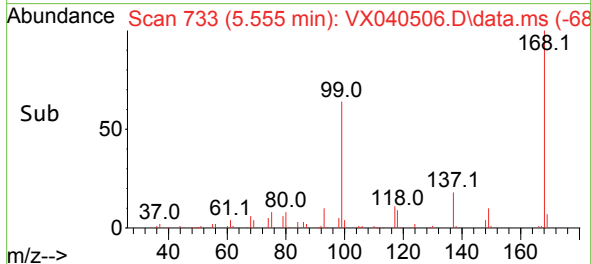
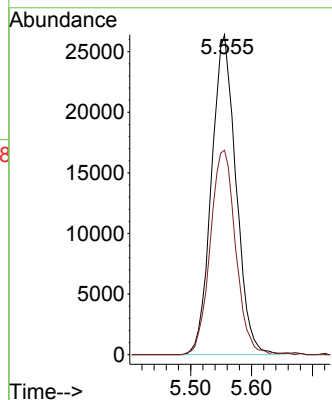
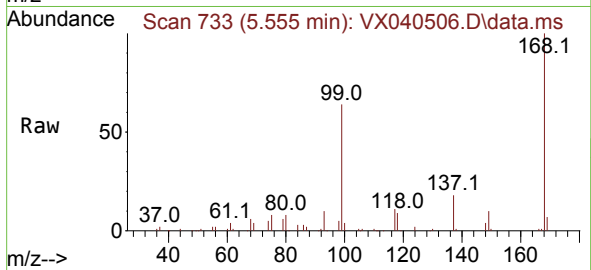
RE137-SP302-A-20240227

Tgt Ion:168 Resp: 73631

Ion Ratio Lower Upper

168 100

99 63.9 56.6 85.0



#2

Dichlorodifluoromethane

Concen: 0.584 ug/l

RT: 1.172 min Scan# 14

Delta R.T. 0.006 min

Lab File: VX040506.D

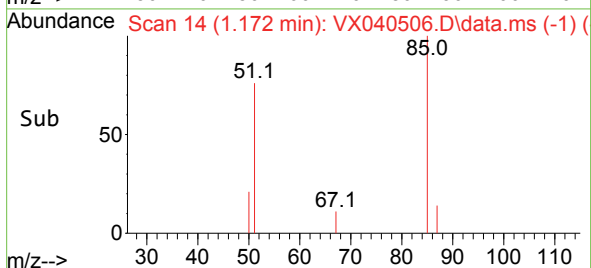
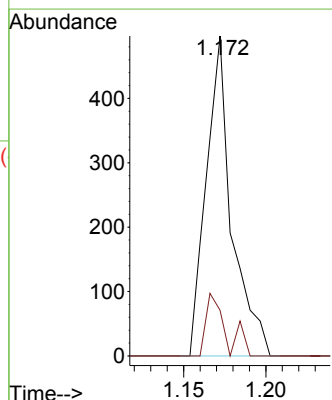
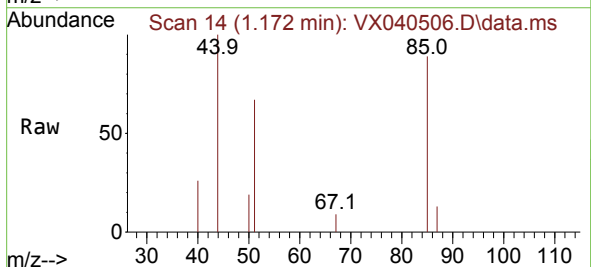
Acq: 28 Feb 2024 12:58

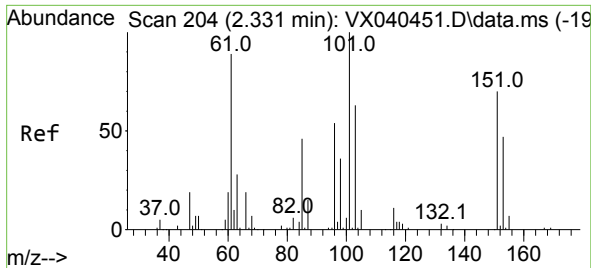
Tgt Ion: 85 Resp: 535

Ion Ratio Lower Upper

85 100

87 14.3 16.7 50.1#

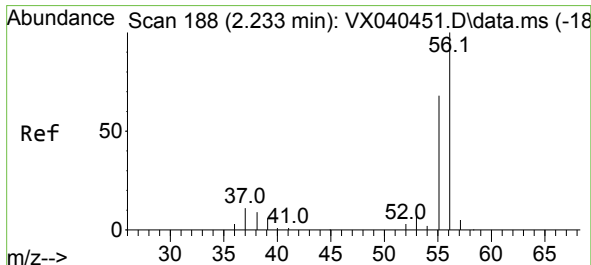
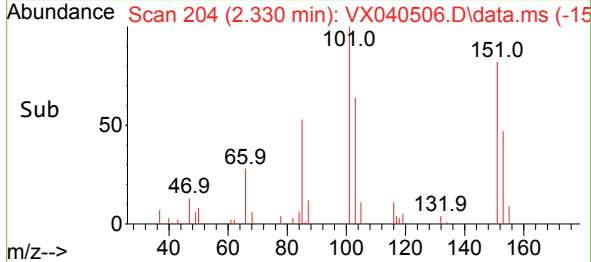
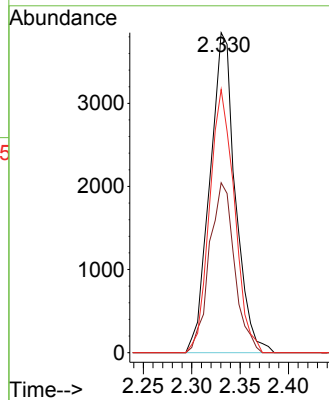
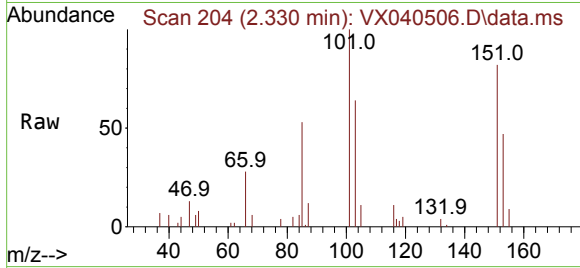




#9
1,1,2-Trichlorotrifluoroethane
Concen: 8.434 ug/l
RT: 2.330 min Scan# 204
Delta R.T. -0.000 min
Lab File: VX040506.D
Acq: 28 Feb 2024 12:58

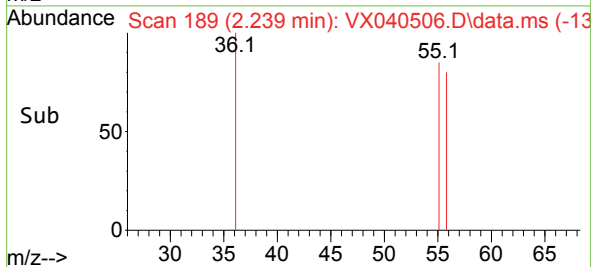
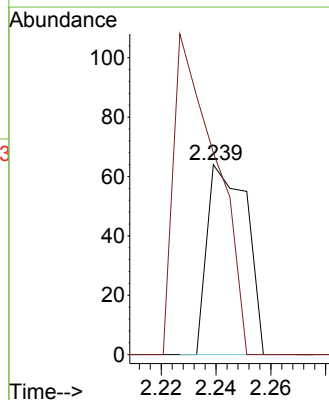
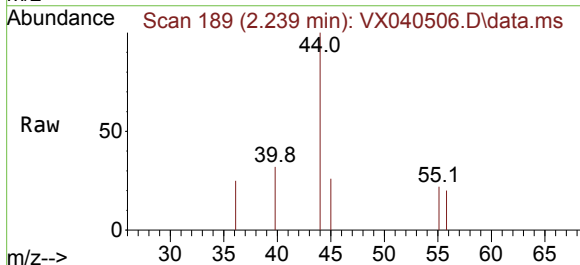
Instrument :
MSVOA_X
ClientSampleId :
RE137-SP302-A-20240227

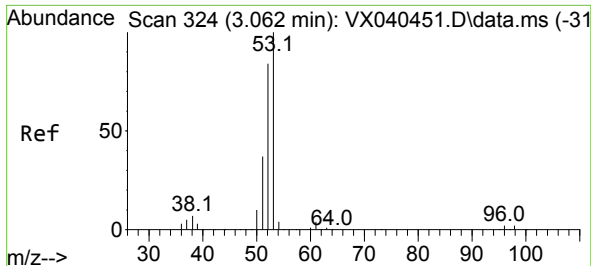
Tgt Ion:	101	Resp:	7047
Ion	Ratio	Lower	Upper
101	100		
85	52.4	37.0	55.6
151	80.2	58.6	87.8



#13
Acrolein
Concen: 0.482 ug/l
RT: 2.239 min Scan# 189
Delta R.T. 0.006 min
Lab File: VX040506.D
Acq: 28 Feb 2024 12:58

Tgt Ion:	56	Resp:	64
Ion	Ratio	Lower	Upper
56	100		
55	181.3	57.1	85.7#

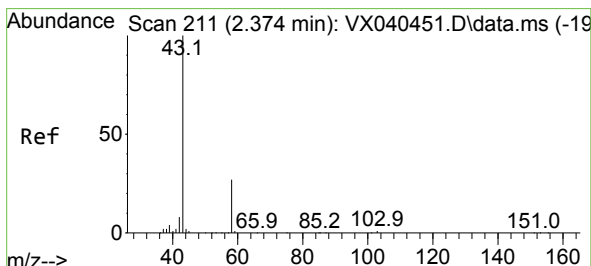
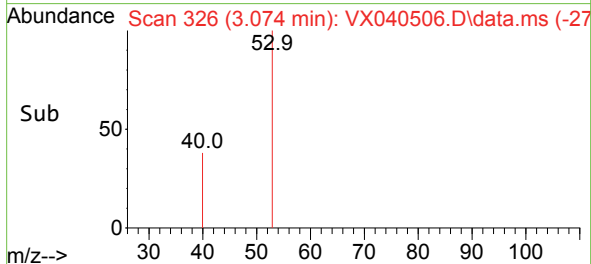
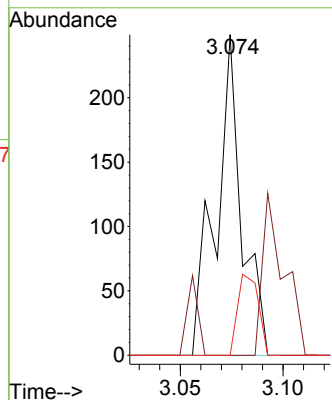
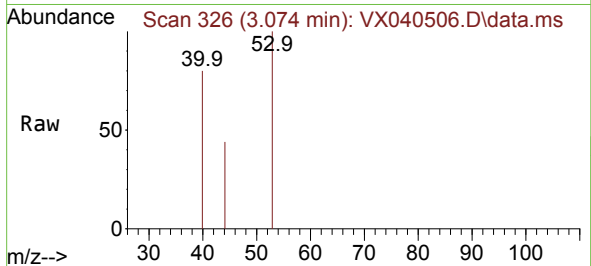




#15
Acrylonitrile
Concen: 0.418 ug/l
RT: 3.074 min Scan# 31
Delta R.T. 0.012 min
Lab File: VX040506.D
Acq: 28 Feb 2024 12:58

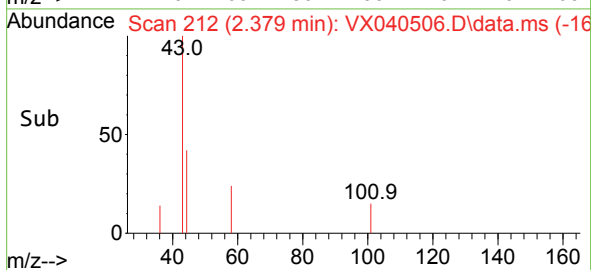
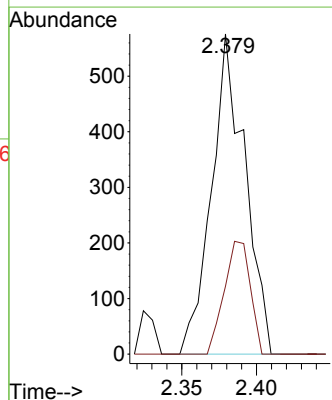
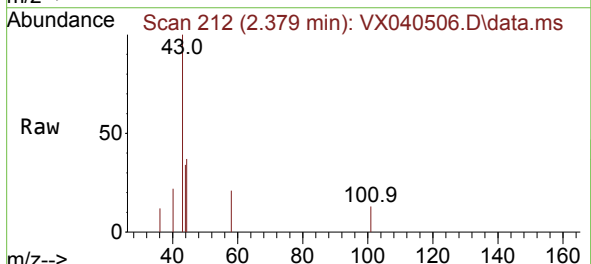
Instrument :
MSVOA_X
ClientSampleId :
RE137-SP302-A-20240227

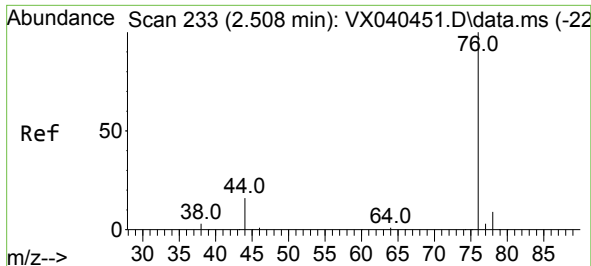
Tgt Ion: 53 Resp: 217
Ion Ratio Lower Upper
53 100
52 41.9 66.0 99.0#
51 20.3 29.8 44.6#



#16
Acetone
Concen: 2.221 ug/l
RT: 2.379 min Scan# 212
Delta R.T. 0.006 min
Lab File: VX040506.D
Acq: 28 Feb 2024 12:58

Tgt Ion: 43 Resp: 892
Ion Ratio Lower Upper
43 100
58 21.2 21.9 32.9#





#17

Carbon Disulfide

Concen: 0.359 ug/l

RT: 2.519 min Scan# 21

Delta R.T. 0.012 min

Lab File: VX040506.D

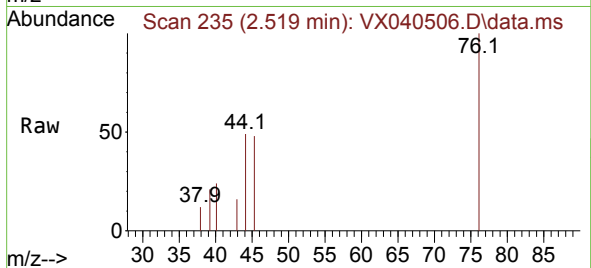
Acq: 28 Feb 2024 12:58

Instrument :

MSVOA_X

ClientSampleId :

RE137-SP302-A-20240227

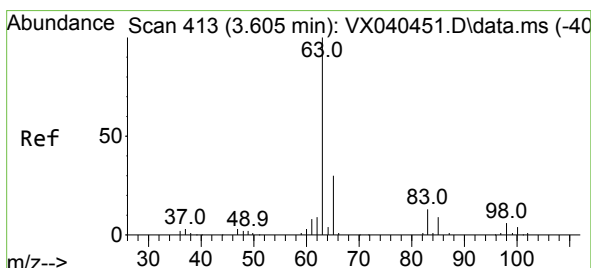
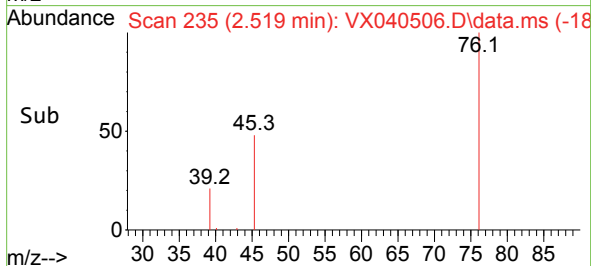
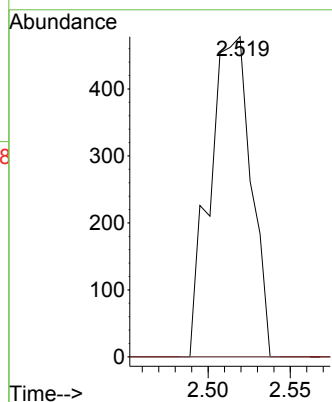


Tgt Ion: 76 Resp: 833

Ion Ratio Lower Upper

76 100

78 0.0 7.0 10.6#



#24

1,1-Dichloroethane

Concen: 0.214 ug/l

RT: 3.599 min Scan# 412

Delta R.T. -0.007 min

Lab File: VX040506.D

Acq: 28 Feb 2024 12:58

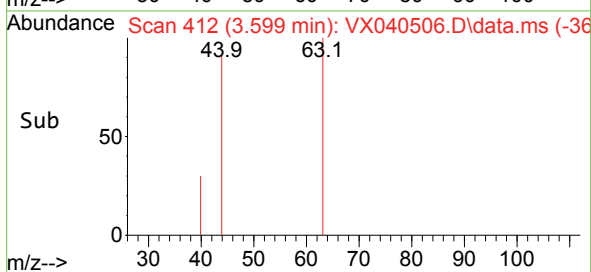
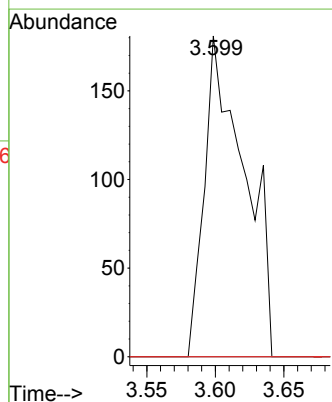
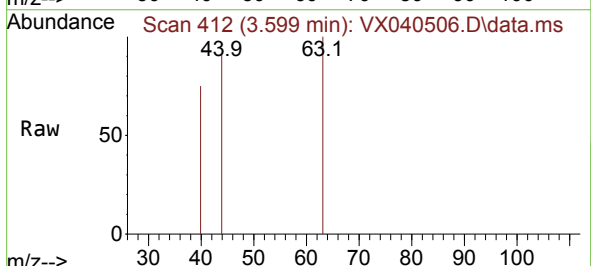
Tgt Ion: 63 Resp: 368

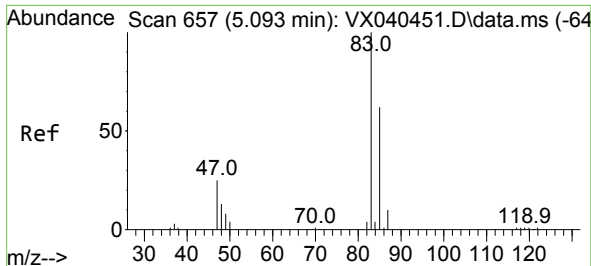
Ion Ratio Lower Upper

63 100

98 0.0 3.3 9.8#

100 0.0 2.1 6.5#

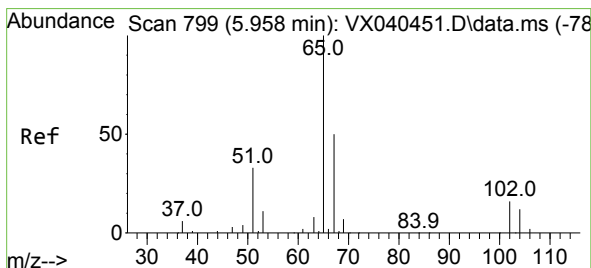
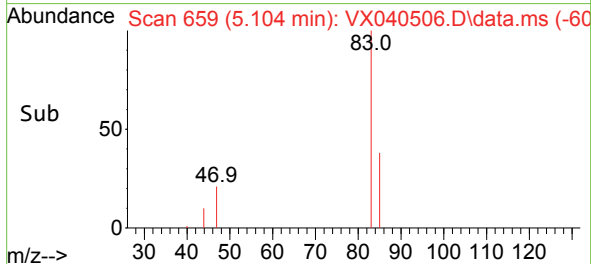
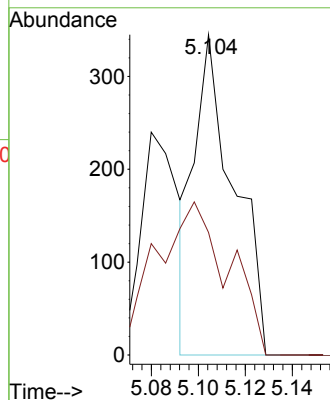
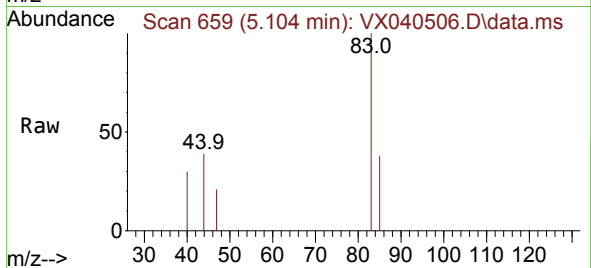




#30
Chloroform
Concen: 0.219 ug/l
RT: 5.104 min Scan# 61
Delta R.T. 0.012 min
Lab File: VX040506.D
Acq: 28 Feb 2024 12:58

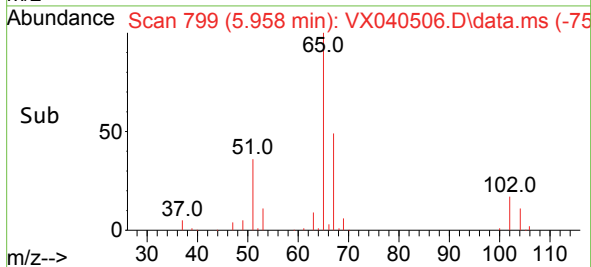
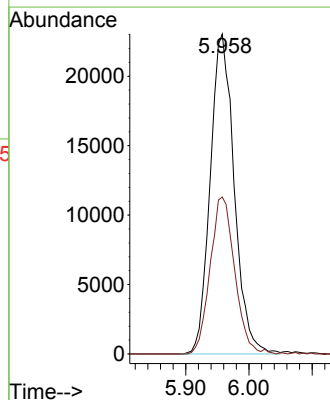
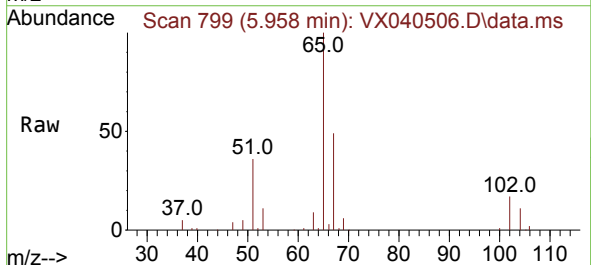
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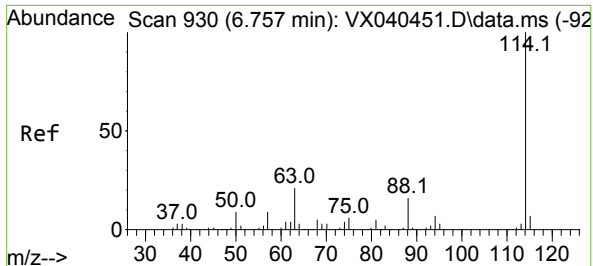
Tgt Ion: 83 Resp: 399
Ion Ratio Lower Upper
83 100
85 38.3 50.3 75.5#



#33
1,2-Dichloroethane-d4
Concen: 49.261 ug/l
RT: 5.958 min Scan# 799
Delta R.T. -0.000 min
Lab File: VX040506.D
Acq: 28 Feb 2024 12:58

Tgt Ion: 65 Resp: 60666
Ion Ratio Lower Upper
65 100
67 50.2 0.0 100.2

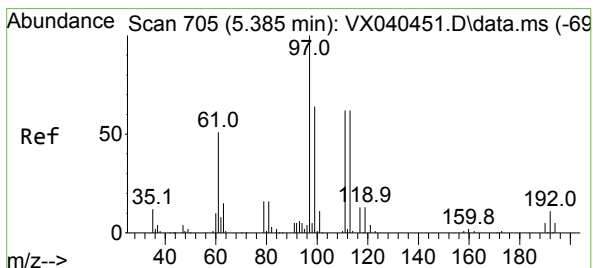
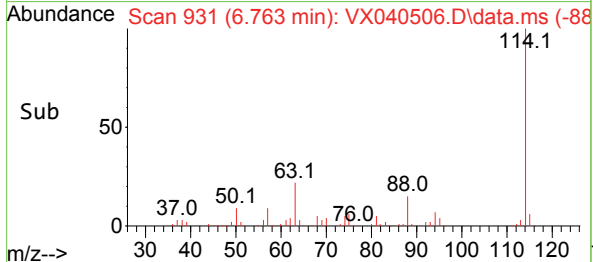
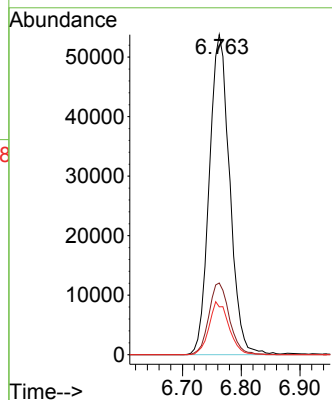
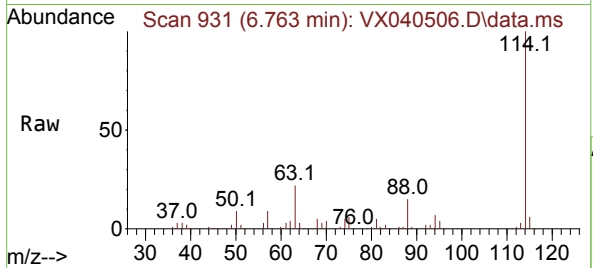




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. 0.006 min
Lab File: VX040506.D
Acq: 28 Feb 2024 12:58

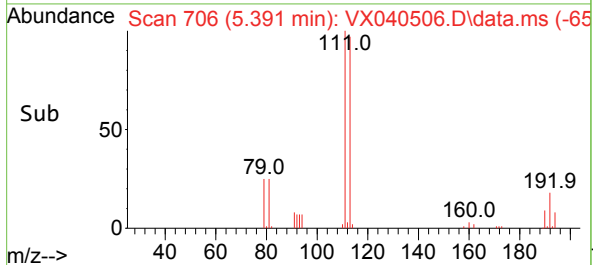
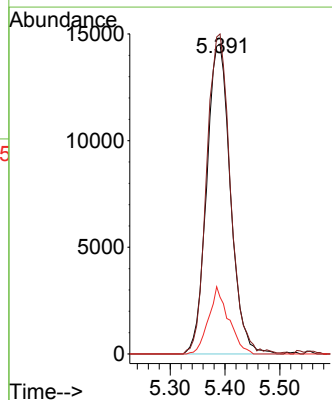
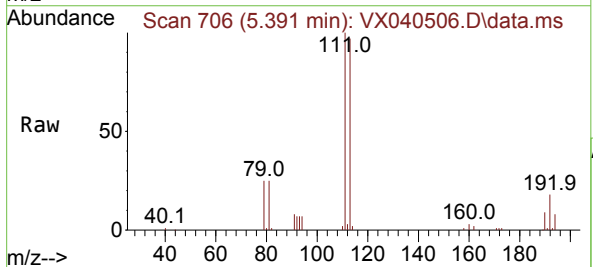
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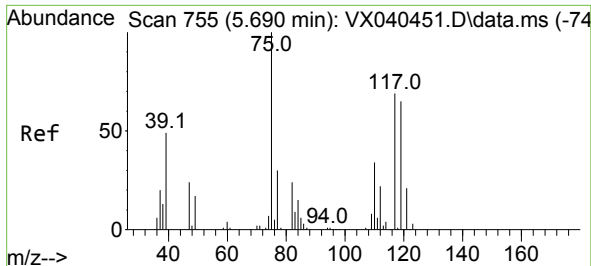
Tgt Ion:114 Resp: 129506
Ion Ratio Lower Upper
114 100
63 22.4 0.0 45.0
88 14.9 0.0 36.6



#35
Dibromofluoromethane
Concen: 48.486 ug/l
RT: 5.391 min Scan# 706
Delta R.T. 0.006 min
Lab File: VX040506.D
Acq: 28 Feb 2024 12:58

Tgt Ion:113 Resp: 43665
Ion Ratio Lower Upper
113 100
111 103.0 82.9 124.3
192 18.3 13.3 19.9

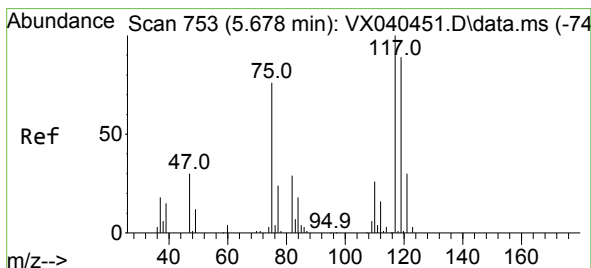
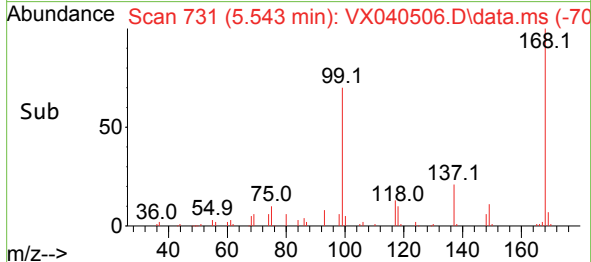
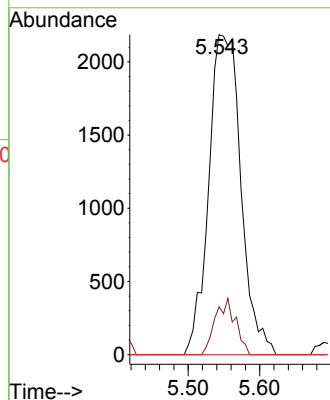
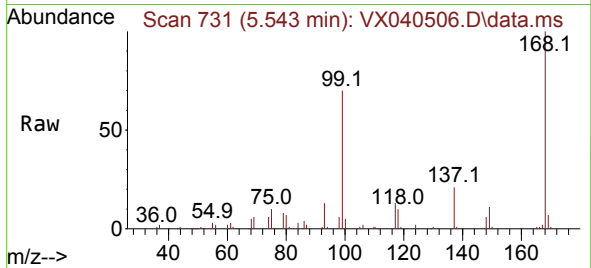




#36
1,1-Dichloropropene
Concen: 4.938 ug/l
RT: 5.543 min Scan# 71
Delta R.T. -0.147 min
Lab File: VX040506.D
Acq: 28 Feb 2024 12:58

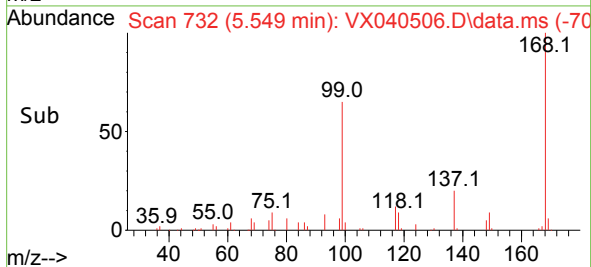
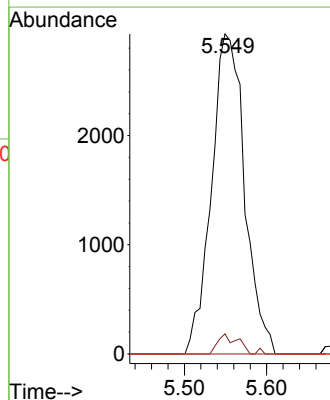
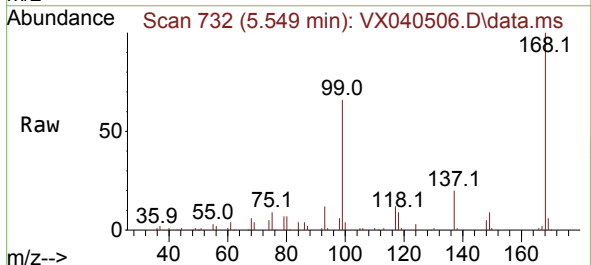
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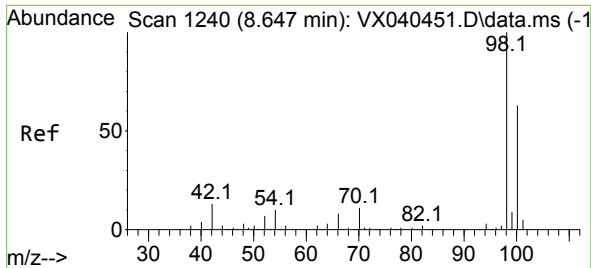
Tgt Ion: 75 Resp: 6851
Ion Ratio Lower Upper
75 100
110 11.0 17.0 50.9#
77 0.0 24.7 37.1#



#38
Carbon Tetrachloride
Concen: 6.123 ug/l
RT: 5.549 min Scan# 732
Delta R.T. -0.128 min
Lab File: VX040506.D
Acq: 28 Feb 2024 12:58

Tgt Ion:117 Resp: 8207
Ion Ratio Lower Upper
117 100
119 6.3 78.2 117.2#
121 0.0 24.4 36.6#

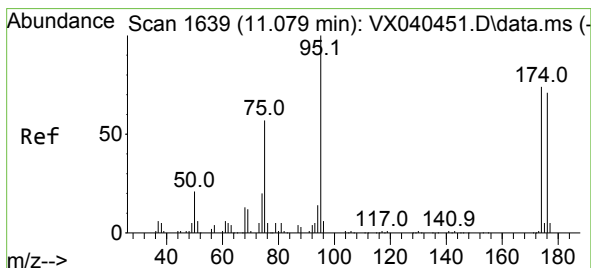
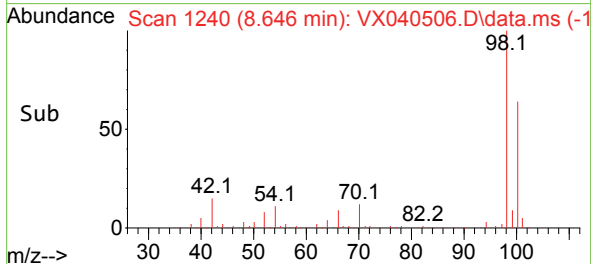
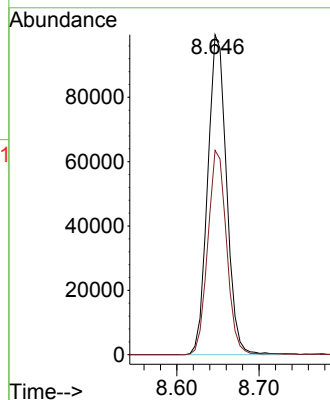
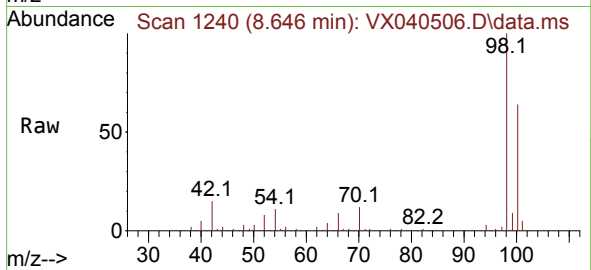




#50
Toluene-d8
Concen: 48.375 ug/l
RT: 8.646 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX040506.D
Acq: 28 Feb 2024 12:58

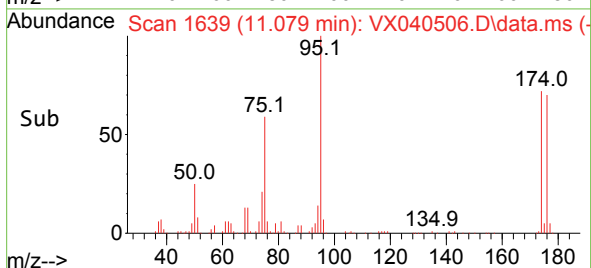
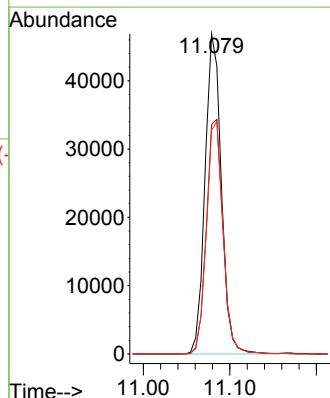
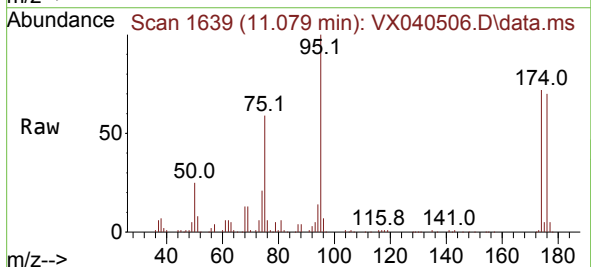
Instrument :
MSVOA_X
ClientSampleId :
RE137-SP302-A-20240227

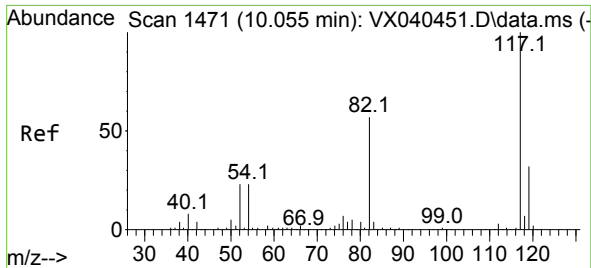
Tgt Ion: 98 Resp: 158137
Ion Ratio Lower Upper
98 100
100 63.5 53.1 79.7



#62
4-Bromofluorobenzene
Concen: 49.163 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX040506.D
Acq: 28 Feb 2024 12:58

Tgt Ion: 95 Resp: 61262
Ion Ratio Lower Upper
95 100
174 74.7 0.0 135.6
176 74.0 0.0 131.0

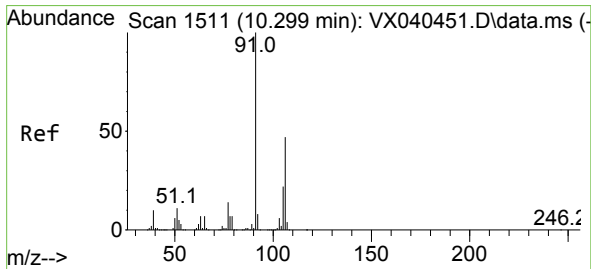
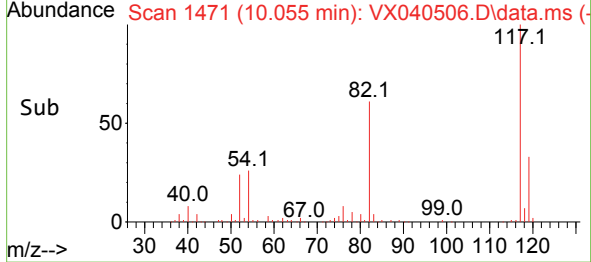
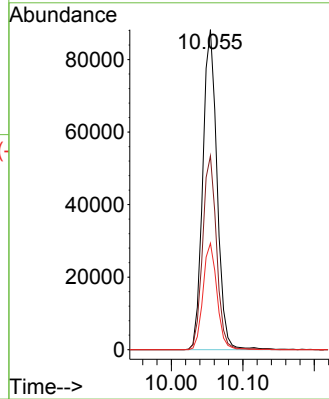
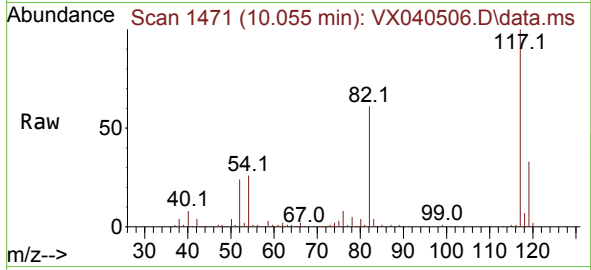




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX040506.D
Acq: 28 Feb 2024 12:58

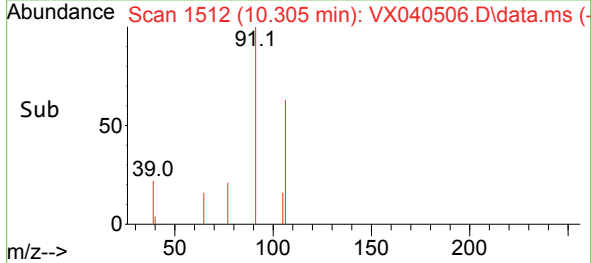
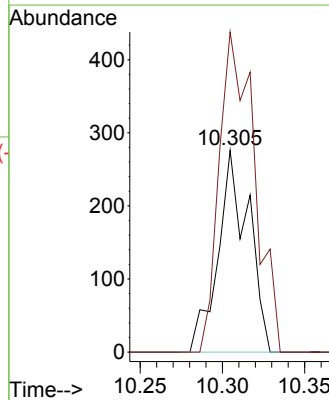
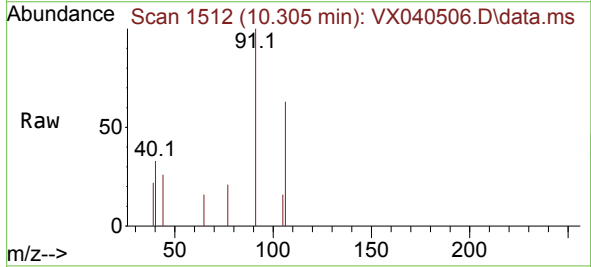
Instrument :
MSVOA_X
ClientSampleId :
RE137-SP302-A-20240227

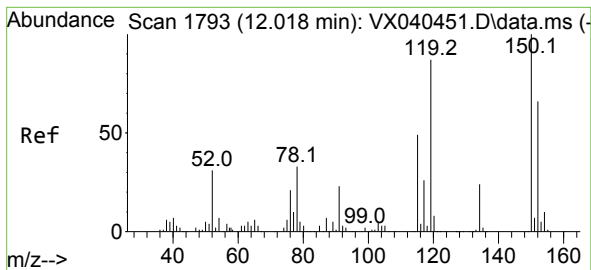
Tgt Ion:117 Resp: 122362
Ion Ratio Lower Upper
117 100
82 60.6 46.2 69.4
119 33.3 25.5 38.3



#68
m/p-Xylenes
Concen: 0.201 ug/l
RT: 10.305 min Scan# 1512
Delta R.T. 0.006 min
Lab File: VX040506.D
Acq: 28 Feb 2024 12:58

Tgt Ion:106 Resp: 357
Ion Ratio Lower Upper
106 100
91 182.4 165.5 248.3





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.024 min Scan# 1

Delta R.T. 0.006 min

Lab File: VX040506.D

Acq: 28 Feb 2024 12:58

Instrument :

MSVOA_X

ClientSampleId :

RE137-SP302-A-20240227

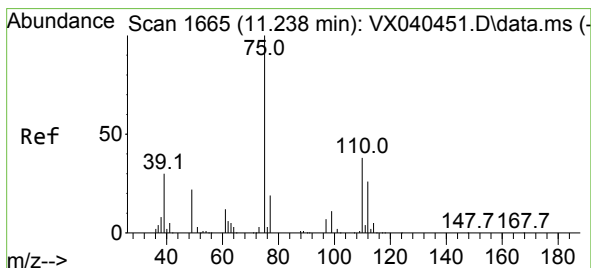
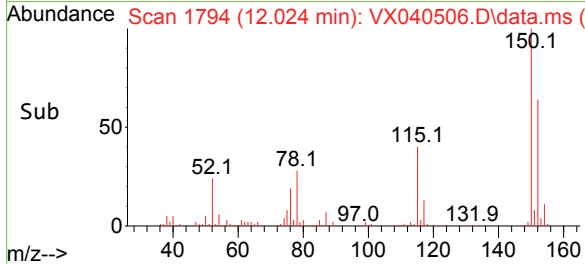
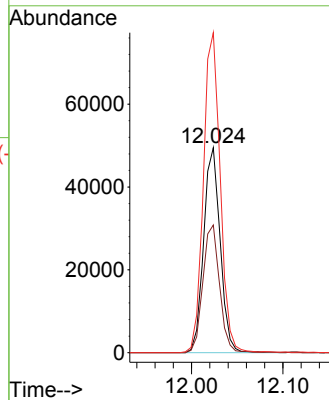
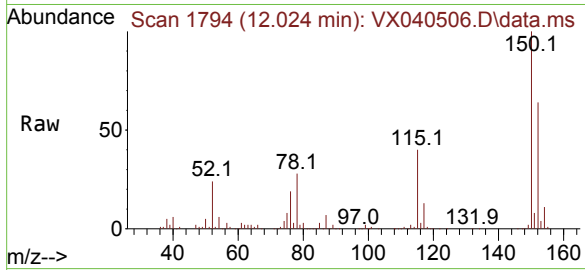
Tgt Ion:152 Resp: 61999

Ion Ratio Lower Upper

152 100

115 62.8 43.3 129.9

150 159.3 0.0 345.0



#76

1,2,3-Trichloropropane

Concen: 26.400 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.159 min

Lab File: VX040506.D

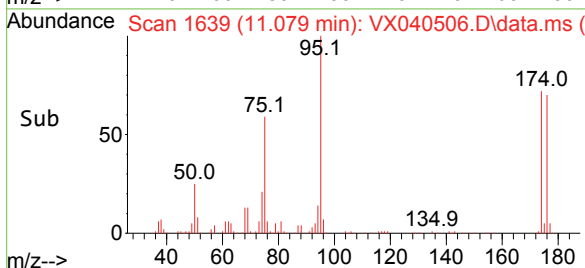
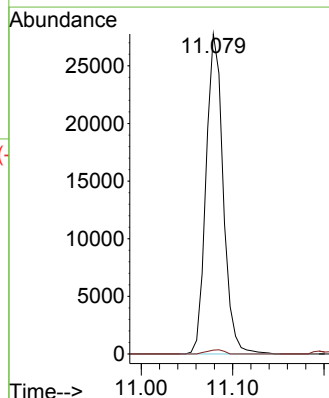
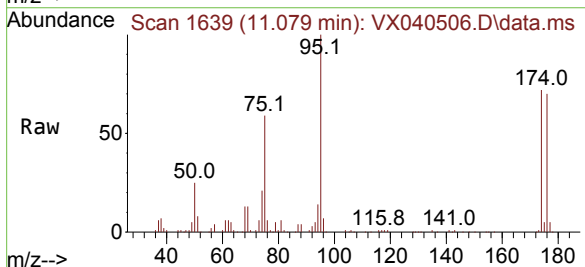
Acq: 28 Feb 2024 12:58

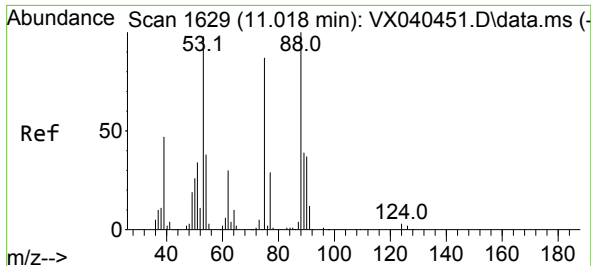
Tgt Ion: 75 Resp: 36023

Ion Ratio Lower Upper

75 100

77 1.3 19.1 57.5#

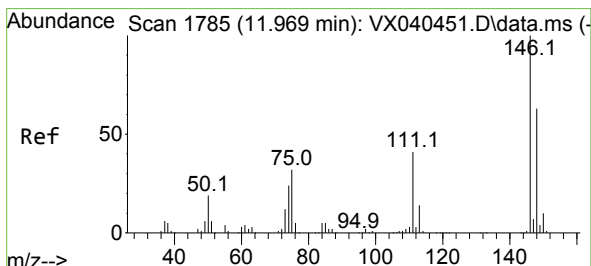
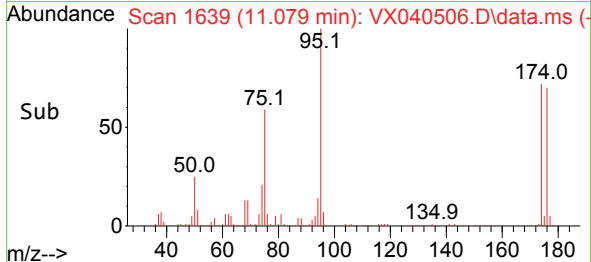
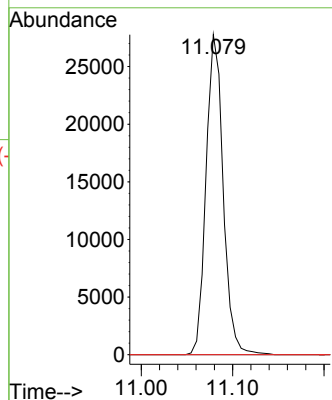
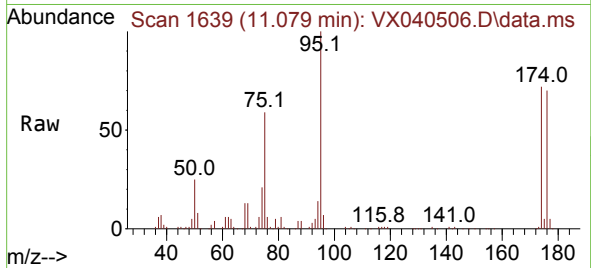




#81
trans-1,4-Dichloro-2-butene
Concen: 76.751 ug/l
RT: 11.079 min Scan# 1629
Delta R.T. 0.061 min
Lab File: VX040506.D
Acq: 28 Feb 2024 12:58

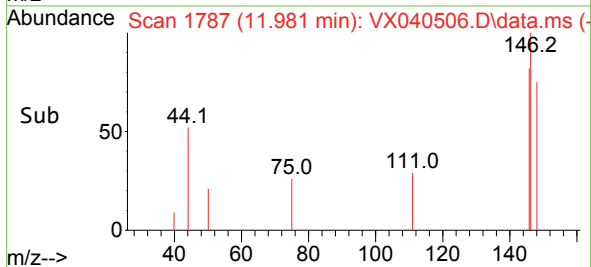
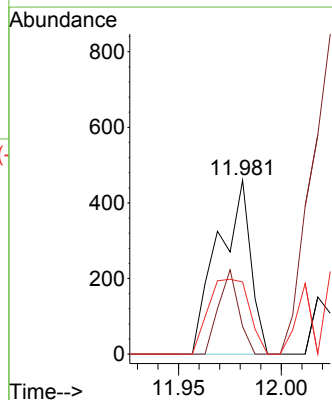
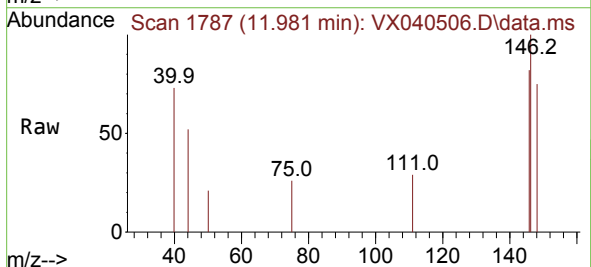
Instrument :
MSVOA_X
ClientSampleId :
RE137-SP302-A-20240227

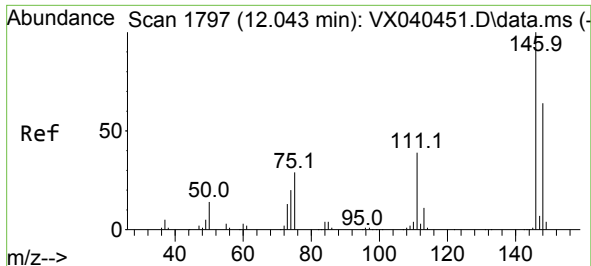
Tgt Ion: 75 Resp: 36023
Ion Ratio Lower Upper
75 100
53 0.0 90.5 135.7#
89 0.0 36.9 55.3#



#87
1,3-Dichlorobenzene
Concen: 0.236 ug/l
RT: 11.981 min Scan# 1787
Delta R.T. 0.012 min
Lab File: VX040506.D
Acq: 28 Feb 2024 12:58

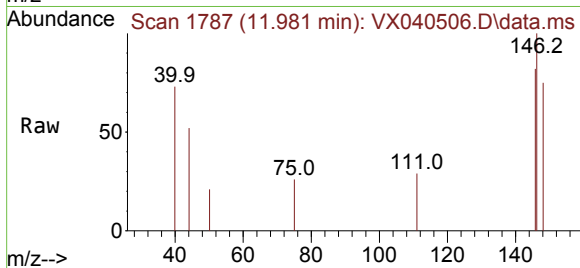
Tgt Ion:146 Resp: 508
Ion Ratio Lower Upper
146 100
111 29.9 22.1 66.1
148 53.7 31.8 95.3



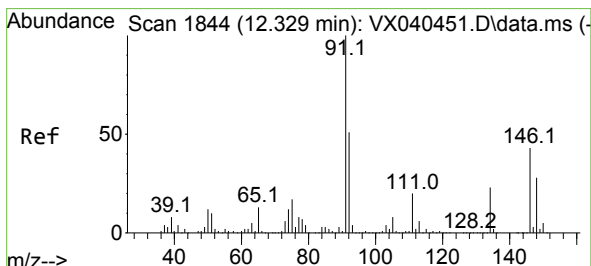
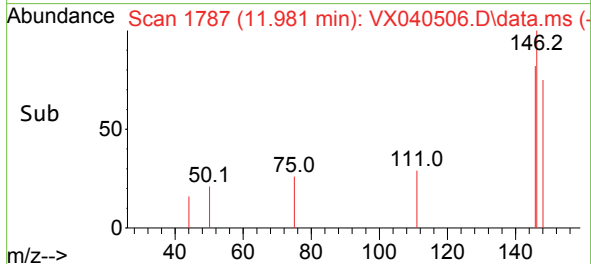
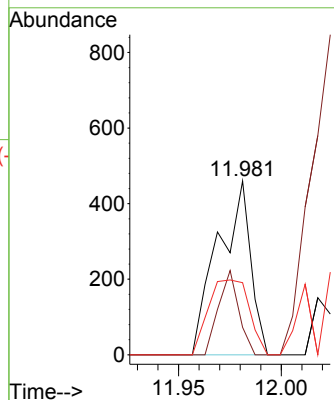


#88
1,4-Dichlorobenzene
Concen: 0.232 ug/l
RT: 11.981 min Scan# 11
Delta R.T. -0.061 min
Lab File: VX040506.D
Acq: 28 Feb 2024 12:58

Instrument :
MSVOA_X
ClientSampleId :
RE137-SP302-A-20240227

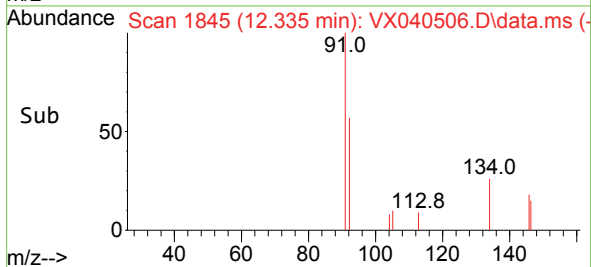
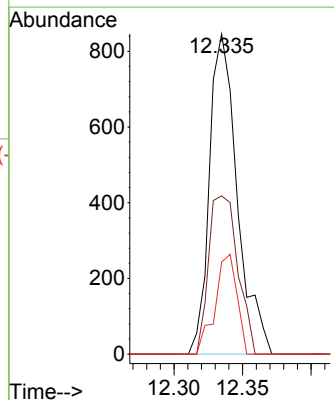
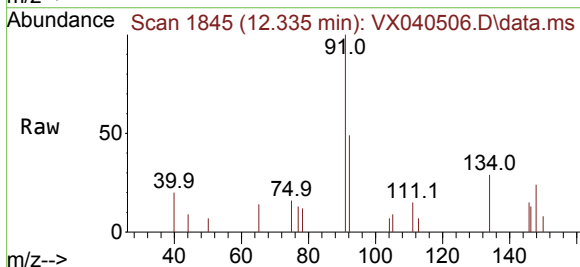


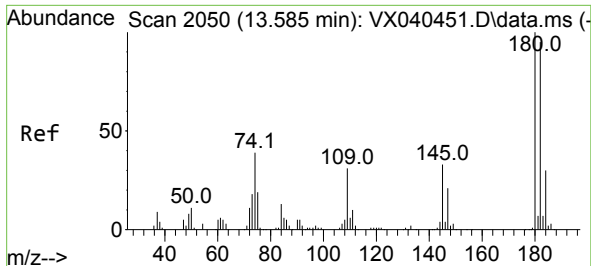
Tgt Ion:146 Resp: 508
Ion Ratio Lower Upper
146 100
111 29.9 21.3 63.7
148 53.7 31.8 95.4



#89
n-Butylbenzene
Concen: 0.307 ug/l
RT: 12.335 min Scan# 1845
Delta R.T. 0.006 min
Lab File: VX040506.D
Acq: 28 Feb 2024 12:58

Tgt Ion: 91 Resp: 1196
Ion Ratio Lower Upper
91 100
92 51.7 27.4 82.0
134 24.4 12.6 37.8

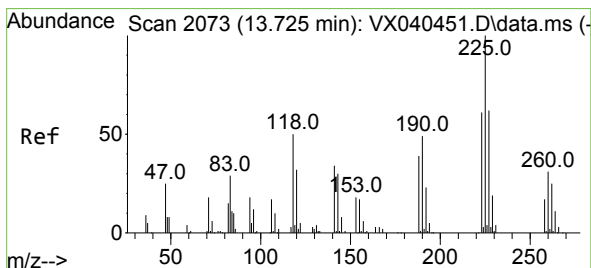
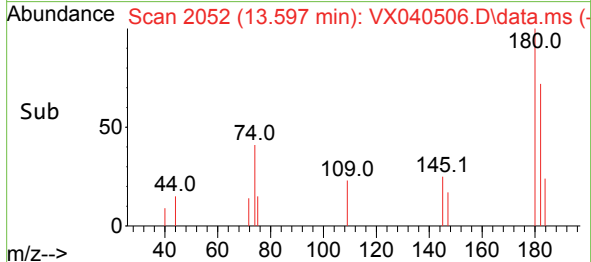
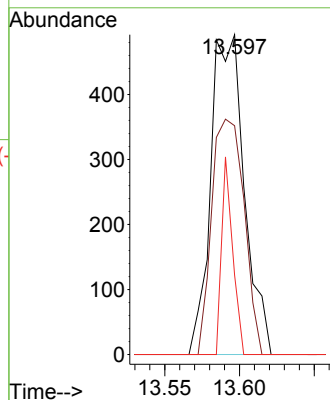
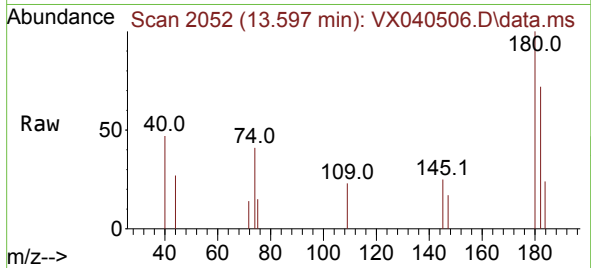




#93
1,2,4-Trichlorobenzene
Concen: 0.573 ug/l
RT: 13.597 min Scan# 2052
Delta R.T. 0.012 min
Lab File: VX040506.D
Acq: 28 Feb 2024 12:58

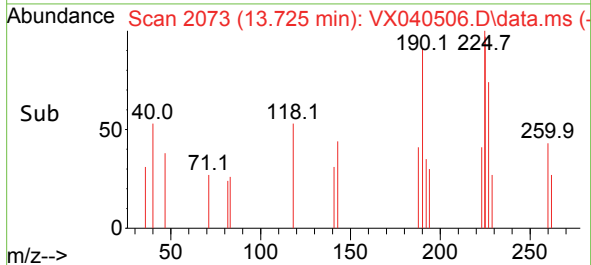
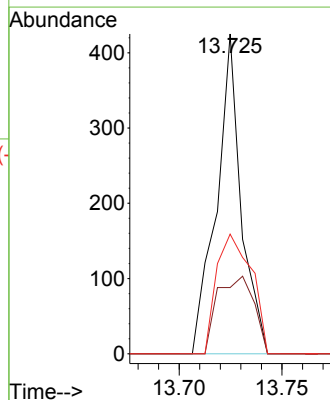
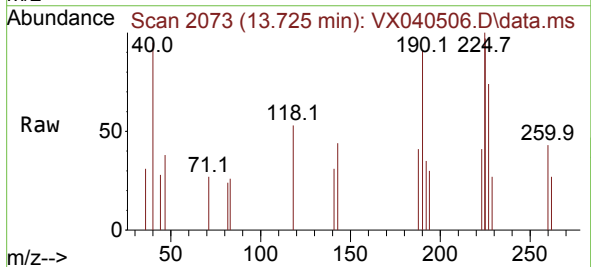
Instrument :
MSVOA_X
ClientSampleId :
RE137-SP302-A-20240227

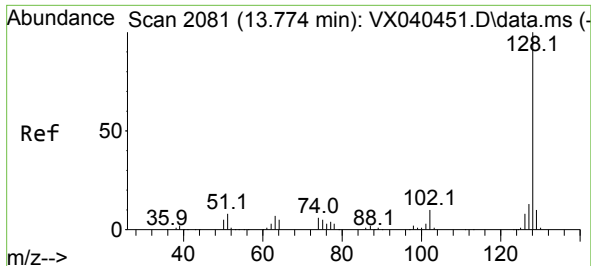
Tgt Ion:180 Resp: 767
Ion Ratio Lower Upper
180 100
182 70.9 48.3 144.8
145 20.3 18.0 54.0



#94
Hexachlorobutadiene
Concen: 0.645 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. -0.000 min
Lab File: VX040506.D
Acq: 28 Feb 2024 12:58

Tgt Ion:225 Resp: 353
Ion Ratio Lower Upper
225 100
223 35.7 31.1 93.2
227 53.3 32.5 97.5

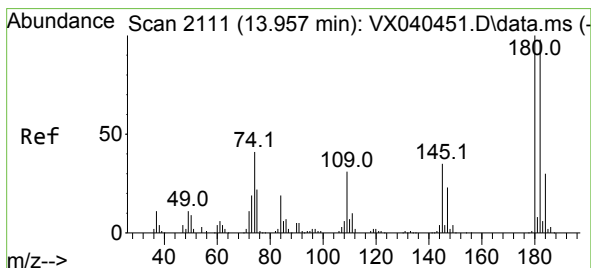
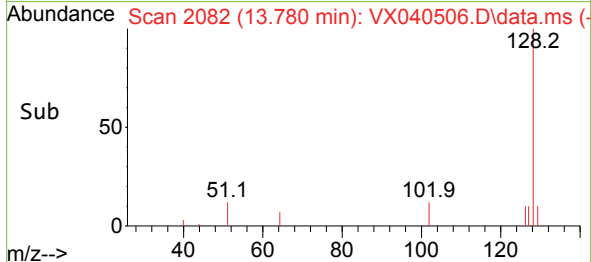
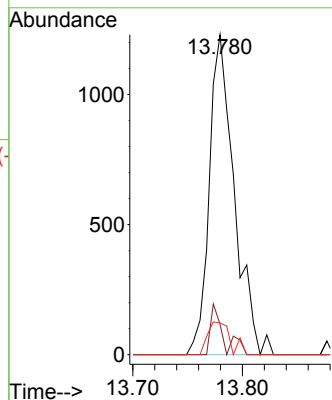
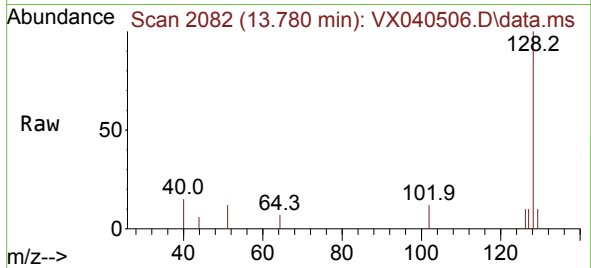




#95
Naphthalene
Concen: 0.456 ug/l
RT: 13.780 min Scan# 2081
Delta R.T. 0.006 min
Lab File: VX040506.D
Acq: 28 Feb 2024 12:58

Instrument :
MSVOA_X
ClientSampleId :
RE137-SP302-A-20240227

Tgt Ion:128 Resp: 1949
Ion Ratio Lower Upper
128 100
127 8.3 10.3 15.5#
129 9.2 8.8 13.2



#96
1,2,3-Trichlorobenzene
Concen: 0.465 ug/l
RT: 13.963 min Scan# 2112
Delta R.T. 0.006 min
Lab File: VX040506.D
Acq: 28 Feb 2024 12:58

Tgt Ion:180 Resp: 591
Ion Ratio Lower Upper
180 100
182 81.4 46.9 140.6
145 33.5 17.8 53.5

