

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021724\
 Data File : VX040314.D
 Acq On : 17 Feb 2024 19:43
 Operator : JC/MD
 Sample : P1507-22
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 RE137-20240215

Quant Time: Feb 19 04:01:32 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X020924W.M
 Quant Title : SW846 8260
 QLast Update : Mon Feb 12 00:21:14 2024
 Response via : Initial Calibration

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

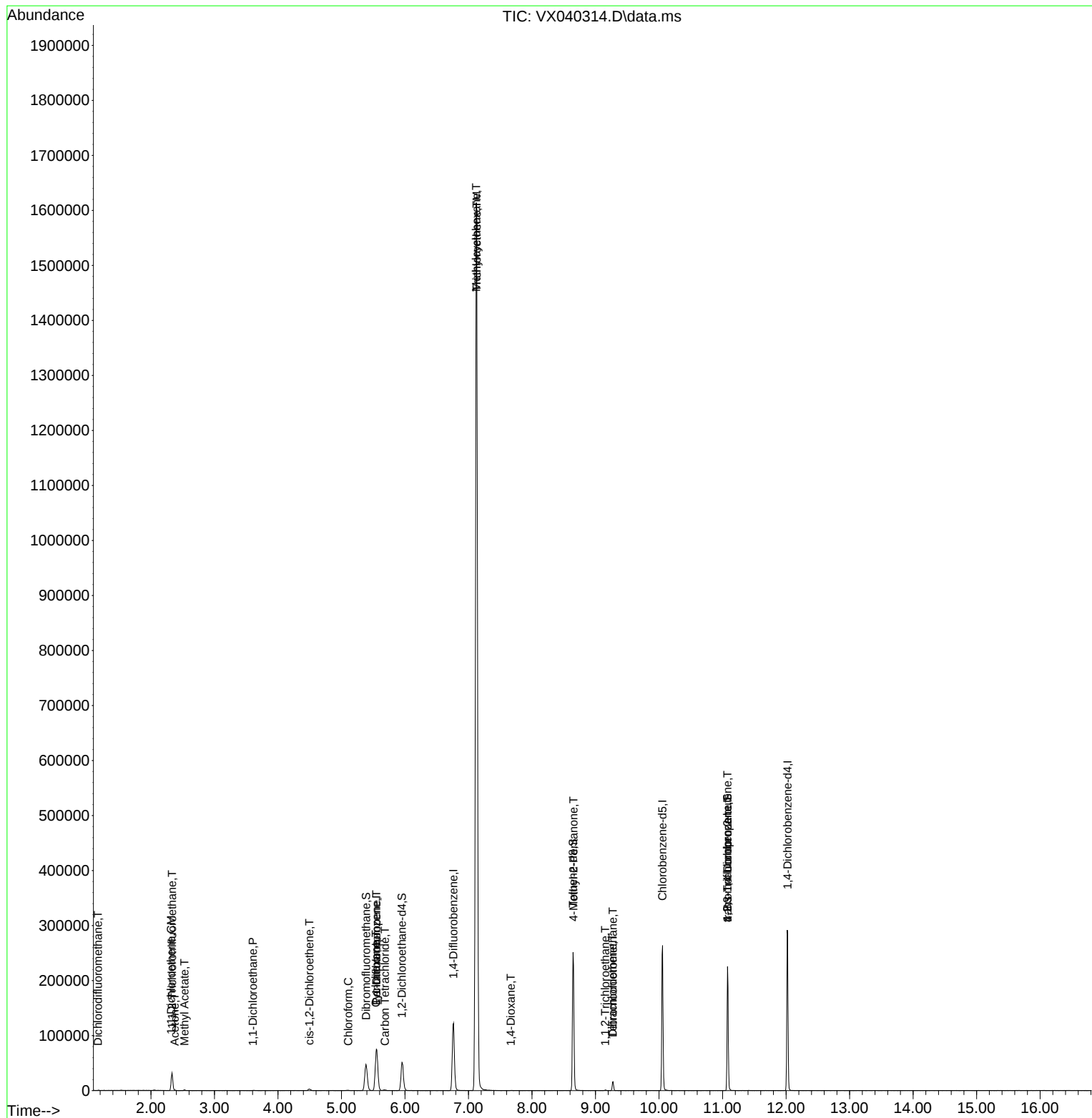
Internal Standards						
1) Pentafluorobenzene	5.549	168	71987	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	126912	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	120386	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	60782	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	50657	47.301	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	94.600%
35) Dibromofluoromethane	5.385	113	40014	45.148	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	90.300%
50) Toluene-d8	8.646	98	150913	45.520	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	91.040%#
62) 4-Bromofluorobenzene	11.079	95	58132	42.993	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	85.980%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.166	85	308	0.379	ug/l	74
9) 1,1,2-Trichlorotrifluo...	2.330	101	10412	13.640	ug/l	98
12) 1,1-Dichloroethene	2.318	96	2533	3.446	ug/l	90
16) Acetone	2.373	43	803	1.826	ug/l	90
18) Methyl Acetate	2.526	43	423	0.359	ug/l #	53
24) 1,1-Dichloroethane	3.605	63	894	0.593	ug/l #	83
27) cis-1,2-Dichloroethene	4.495	96	1934	2.025	ug/l	80
30) Chloroform	5.104	83	993	0.610	ug/l	85
31) Cyclohexane	5.543	56	870	0.681	ug/l #	24
36) 1,1-Dichloropropene	5.549	75	5988	4.823	ug/l #	47
38) Carbon Tetrachloride	5.684	117	1459	1.236	ug/l #	68
39) Methylcyclohexane	7.122	83	8059	5.586	ug/l #	1
44) Trichloroethene	7.128	130	614501	641.648	ug/l	97
49) 1,4-Dioxane	7.665	88	365	15.205	ug/l #	83
51) 4-Methyl-2-Pentanone	8.652	43	653	0.444	ug/l #	1
55) 1,1,2-Trichloroethane	9.152	97	403	0.415	ug/l #	81
60) Dibromochloromethane	9.274	129	2931	2.966	ug/l #	11
64) Tetrachloroethene	9.268	164	3119	3.697	ug/l	86
76) 1,2,3-Trichloropropane	11.079	75	30730	24.966	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.079	75	30730	68.681	ug/l #	5

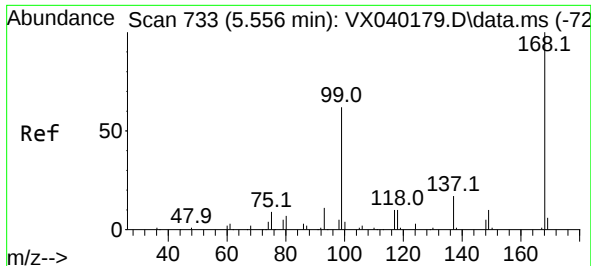
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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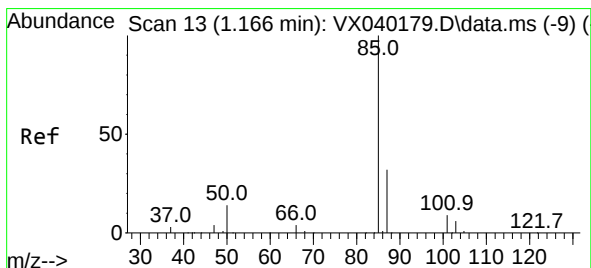
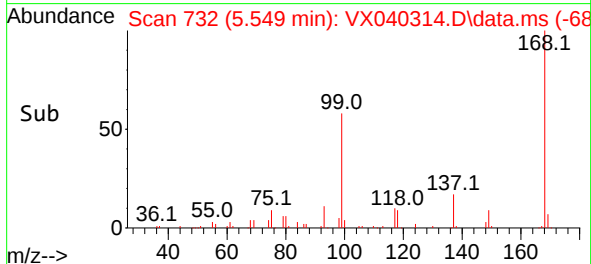
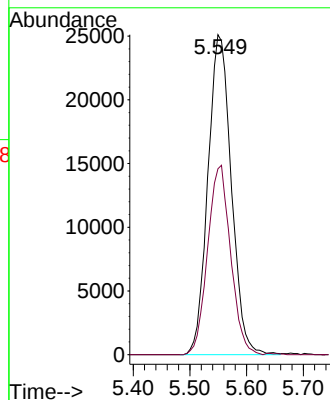
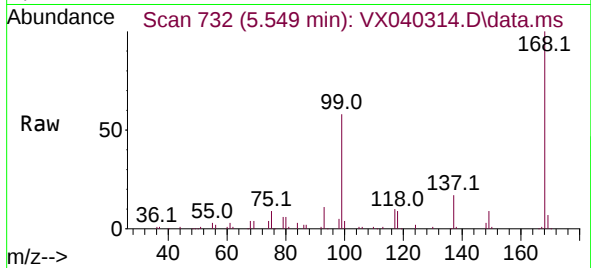




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.549 min Scan# 71
Delta R.T. -0.001 min
Lab File: VX040314.D
Acq: 17 Feb 2024 19:43

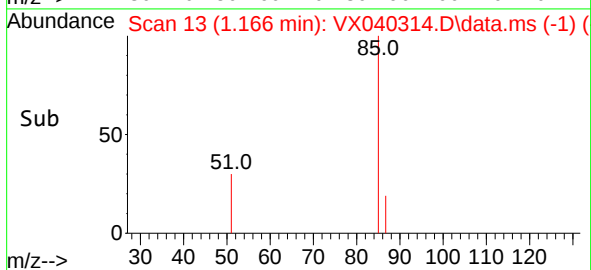
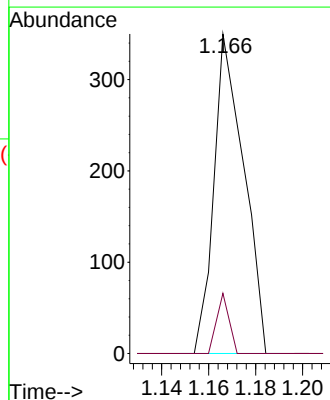
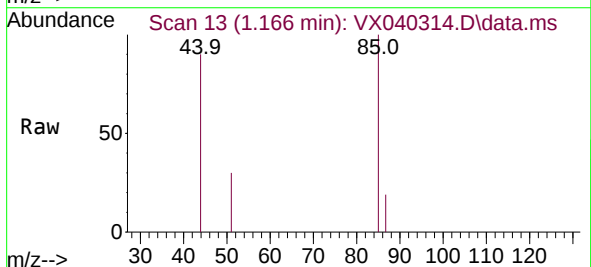
Instrument :
MSVOA_X
ClientSampleId :
RE137-20240215

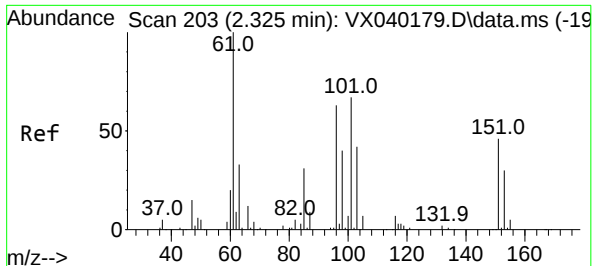
Tgt Ion:168 Resp: 71987
Ion Ratio Lower Upper
168 100
99 58.1 56.6 85.0



#2
Dichlorodifluoromethane
Concen: 0.379 ug/l
RT: 1.166 min Scan# 13
Delta R.T. -0.000 min
Lab File: VX040314.D
Acq: 17 Feb 2024 19:43

Tgt Ion: 85 Resp: 308
Ion Ratio Lower Upper
85 100
87 18.9 16.7 50.1

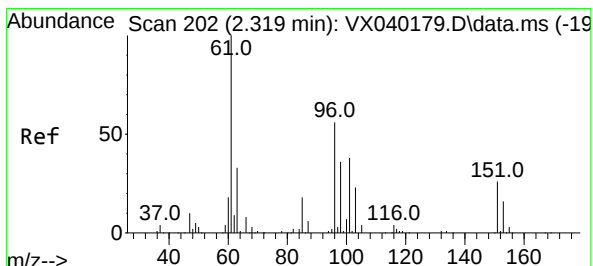
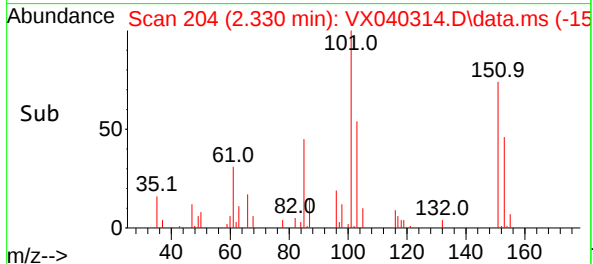
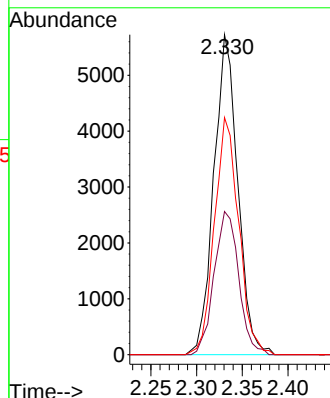
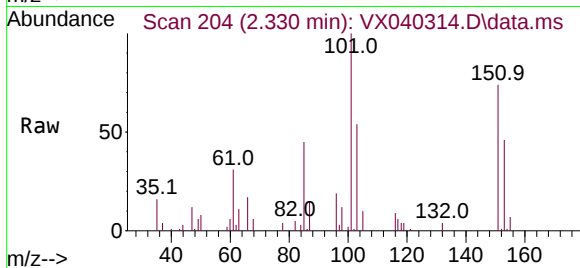




#9
1,1,2-Trichlorotrifluoroethane
Concen: 13.640 ug/l
RT: 2.330 min Scan# 203
Delta R.T. 0.006 min
Lab File: VX040314.D
Acq: 17 Feb 2024 19:43

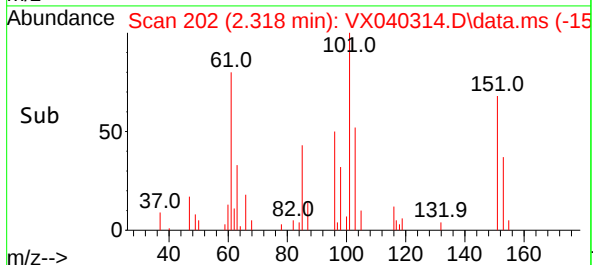
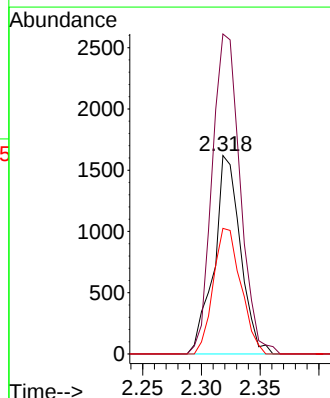
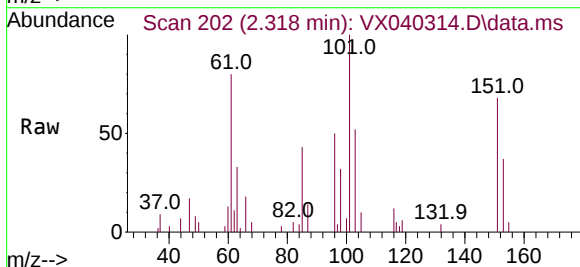
Instrument :
MSVOA_X
ClientSampleId :
RE137-20240215

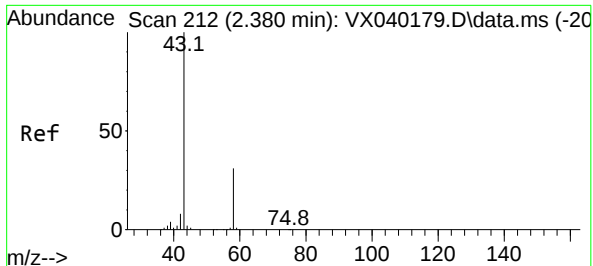
Tgt Ion:101 Resp: 10412
Ion Ratio Lower Upper
101 100
85 46.0 37.0 55.6
151 75.4 58.6 87.8



#12
1,1-Dichloroethene
Concen: 3.446 ug/l
RT: 2.318 min Scan# 202
Delta R.T. -0.000 min
Lab File: VX040314.D
Acq: 17 Feb 2024 19:43

Tgt Ion: 96 Resp: 2533
Ion Ratio Lower Upper
96 100
61 161.3 144.6 216.8
98 63.3 50.4 75.6

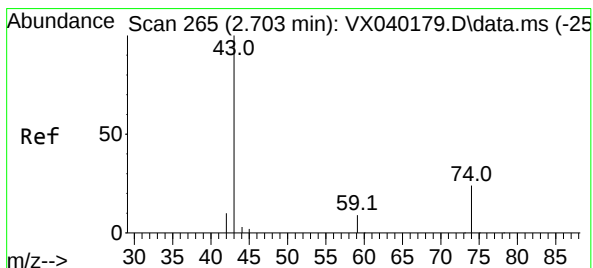
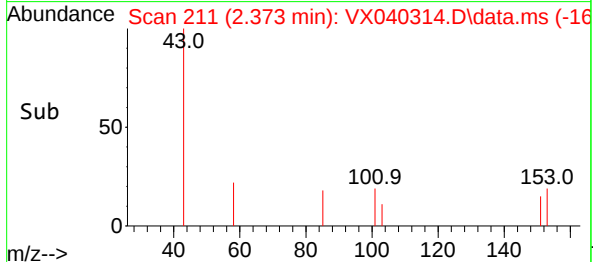
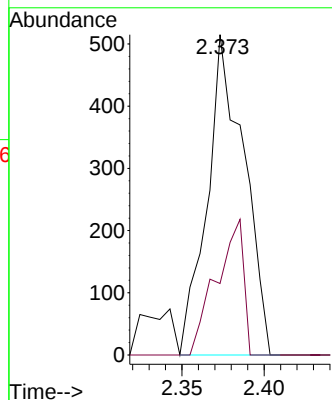
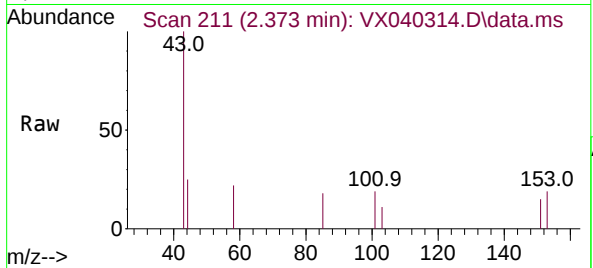




#16
Acetone
Concen: 1.826 ug/l
RT: 2.373 min Scan# 211
Delta R.T. -0.006 min
Lab File: VX040314.D
Acq: 17 Feb 2024 19:43

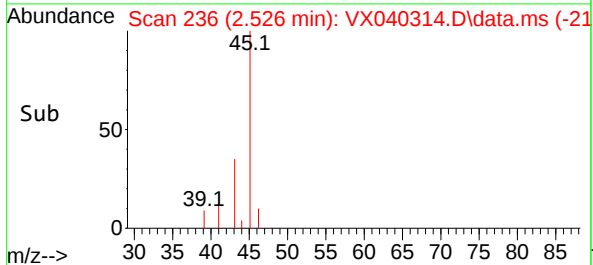
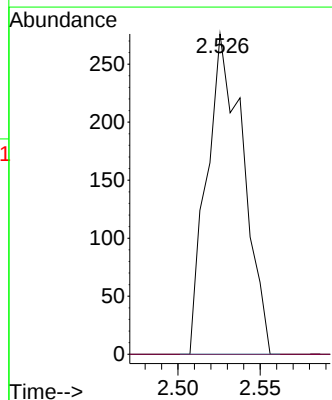
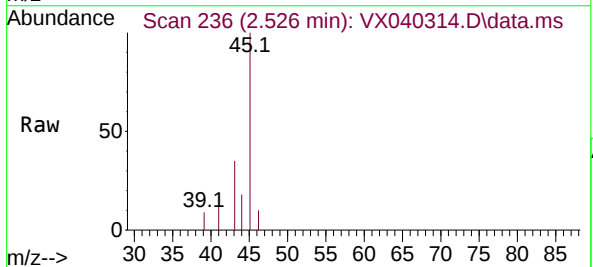
Instrument :
MSVOA_X
ClientSampleId :
RE137-20240215

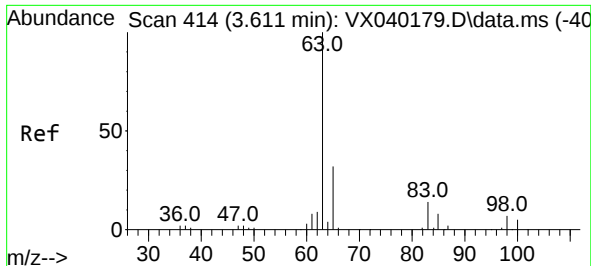
Tgt Ion: 43 Resp: 803
Ion Ratio Lower Upper
43 100
58 22.3 21.9 32.9



#18
Methyl Acetate
Concen: 0.359 ug/l
RT: 2.526 min Scan# 236
Delta R.T. -0.177 min
Lab File: VX040314.D
Acq: 17 Feb 2024 19:43

Tgt Ion: 43 Resp: 423
Ion Ratio Lower Upper
43 100
74 0.0 17.8 26.8#

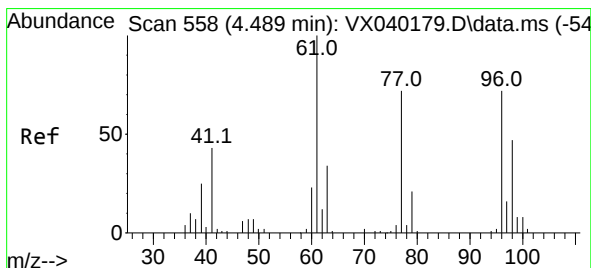
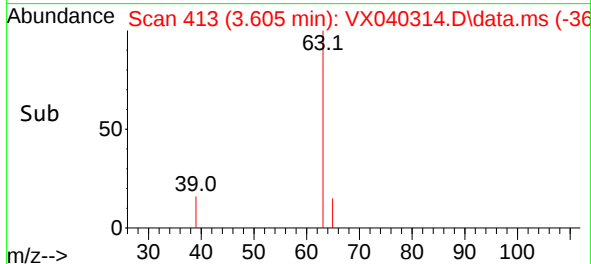
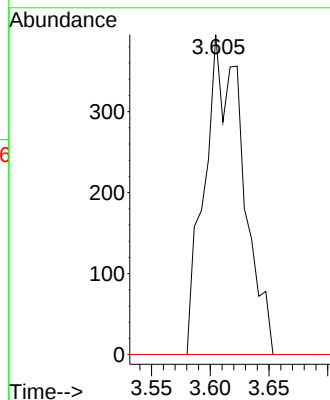
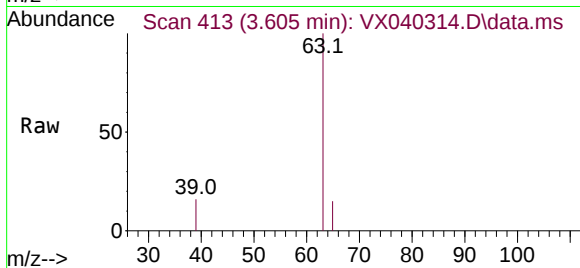




#24
1,1-Dichloroethane
Concen: 0.593 ug/l
RT: 3.605 min Scan# 41
Delta R.T. -0.000 min
Lab File: VX040314.D
Acq: 17 Feb 2024 19:43

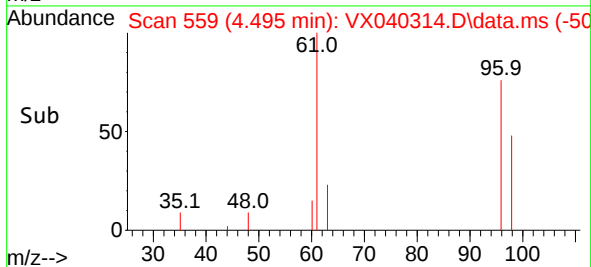
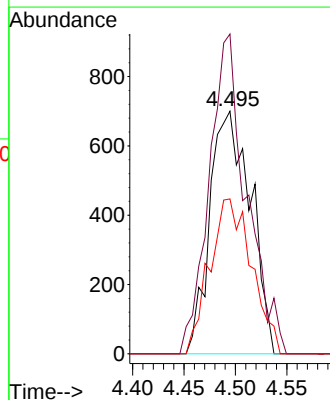
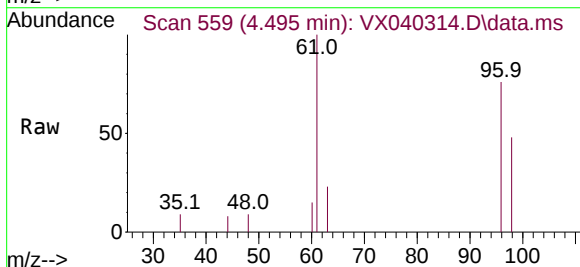
Instrument :
MSVOA_X
ClientSampleId :
RE137-20240215

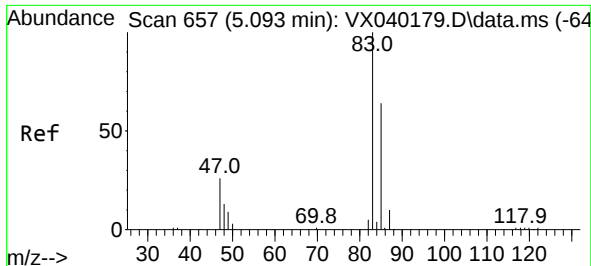
Tgt Ion: 63 Resp: 894
Ion Ratio Lower Upper
63 100
98 0.0 3.3 9.8#
100 0.0 2.1 6.5#



#27
cis-1,2-Dichloroethene
Concen: 2.025 ug/l
RT: 4.495 min Scan# 559
Delta R.T. 0.006 min
Lab File: VX040314.D
Acq: 17 Feb 2024 19:43

Tgt Ion: 96 Resp: 1934
Ion Ratio Lower Upper
96 100
61 120.6 0.0 312.2
98 65.8 0.0 129.0





#30

Chloroform

Concen: 0.610 ug/l

RT: 5.104 min Scan# 6

Delta R.T. 0.006 min

Lab File: VX040314.D

Acq: 17 Feb 2024 19:43

Instrument :

MSVOA_X

ClientSampleId :

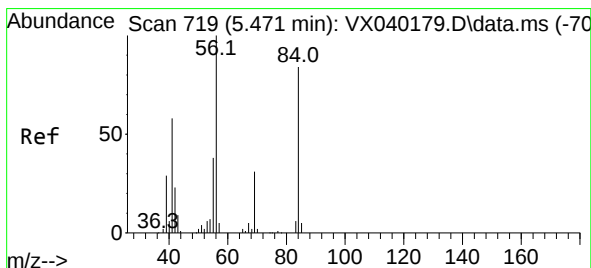
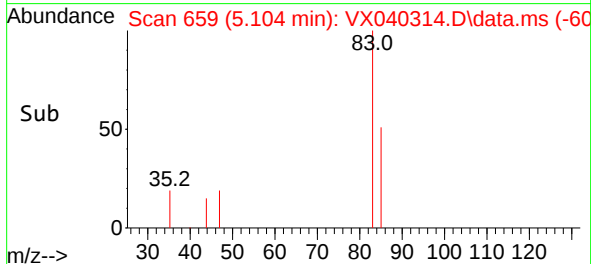
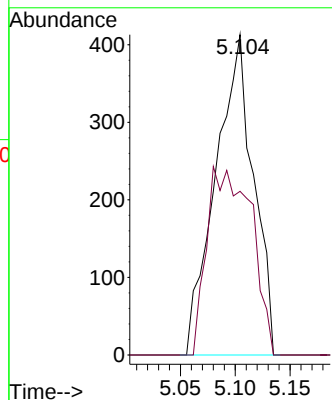
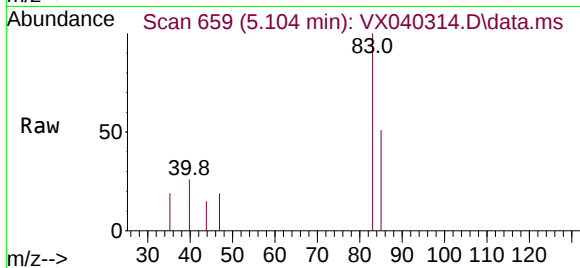
RE137-20240215

Tgt Ion: 83 Resp: 993

Ion Ratio Lower Upper

83 100

85 51.1 50.3 75.5



#31

Cyclohexane

Concen: 0.681 ug/l

RT: 5.543 min Scan# 731

Delta R.T. 0.073 min

Lab File: VX040314.D

Acq: 17 Feb 2024 19:43

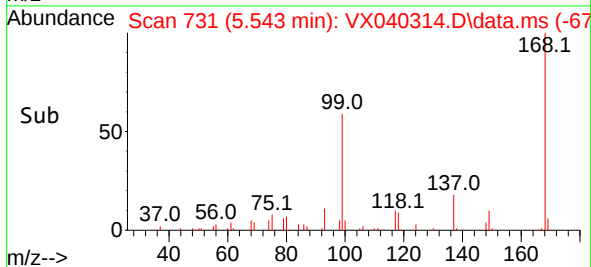
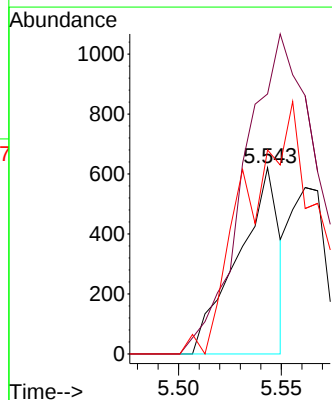
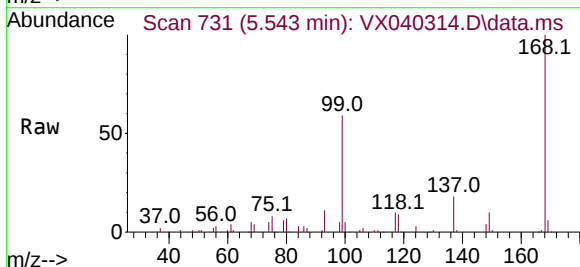
Tgt Ion: 56 Resp: 870

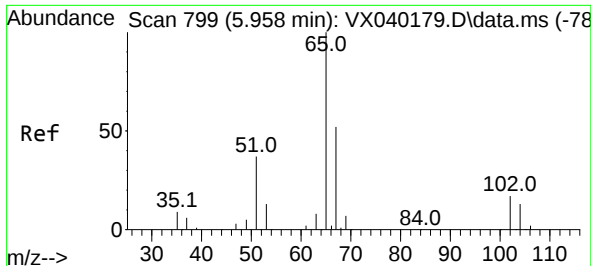
Ion Ratio Lower Upper

56 100

69 139.6 23.4 35.2#

84 109.5 65.9 98.9#

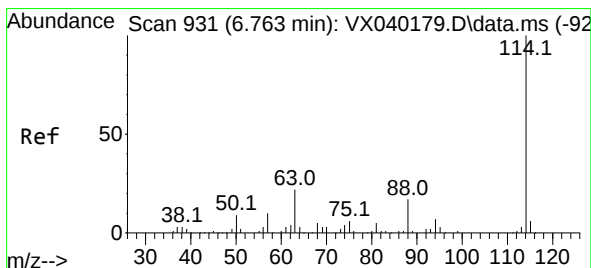
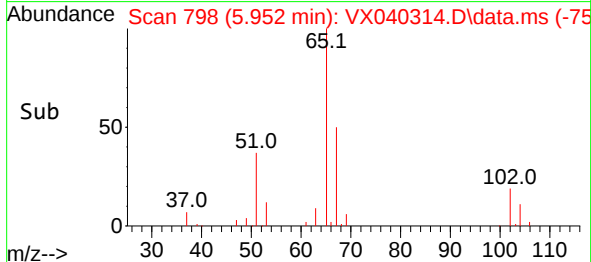
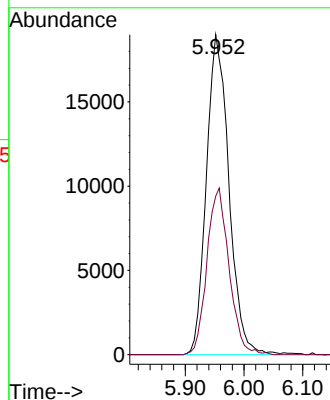
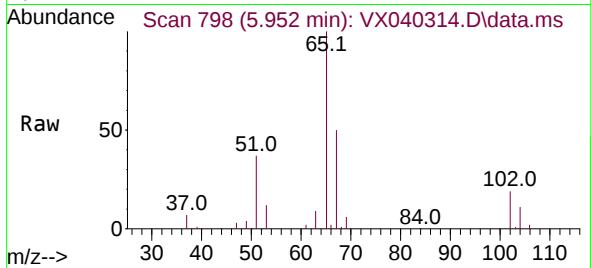




#33
 1,2-Dichloroethane-d4
 Concen: 47.301 ug/l
 RT: 5.952 min Scan# 799
 Delta R.T. -0.006 min
 Lab File: VX040314.D
 Acq: 17 Feb 2024 19:43

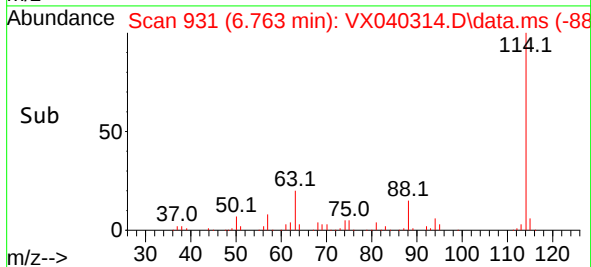
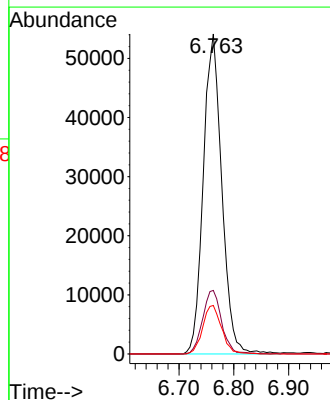
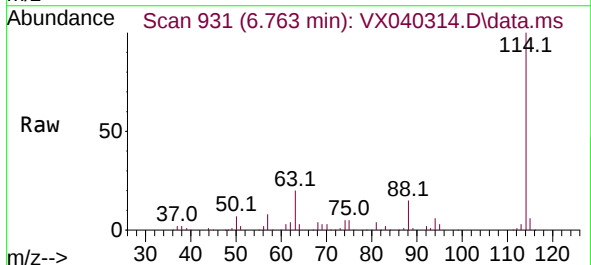
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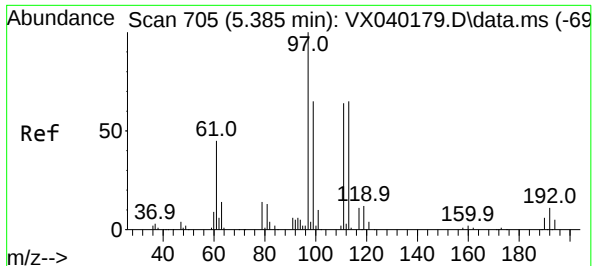
Tgt Ion: 65 Resp: 50657
 Ion Ratio Lower Upper
 65 100
 67 51.1 0.0 100.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.763 min Scan# 931
 Delta R.T. -0.000 min
 Lab File: VX040314.D
 Acq: 17 Feb 2024 19:43

Tgt Ion: 114 Resp: 126912
 Ion Ratio Lower Upper
 114 100
 63 19.9 0.0 45.0
 88 15.1 0.0 36.6





#35

Dibromofluoromethane

Concen: 45.148 ug/l

RT: 5.385 min Scan# 705

Delta R.T. -0.000 min

Lab File: VX040314.D

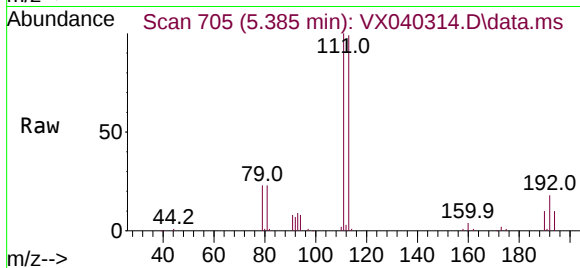
Acq: 17 Feb 2024 19:43

Instrument :

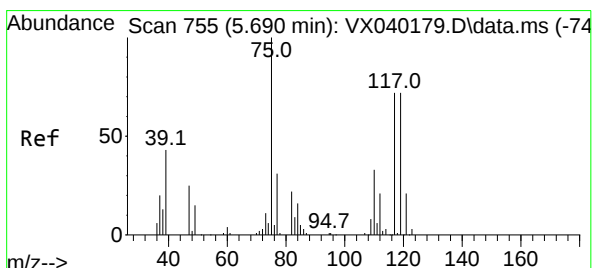
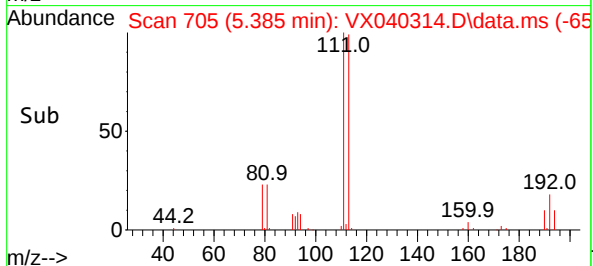
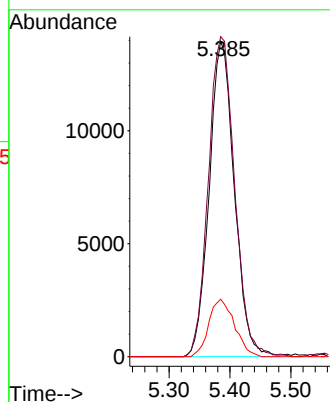
MSVOA_X

ClientSampleId :

RE137-20240215



Tgt Ion:	113	Resp:	40014
Ion	Ratio	Lower	Upper
113	100		
111	106.3	82.9	124.3
192	18.6	13.3	19.9



#36

1,1-Dichloropropene

Concen: 4.823 ug/l

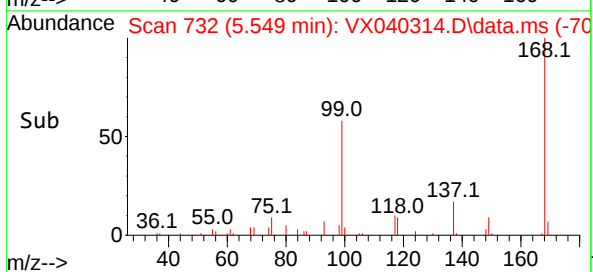
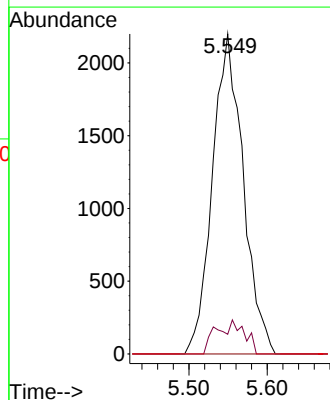
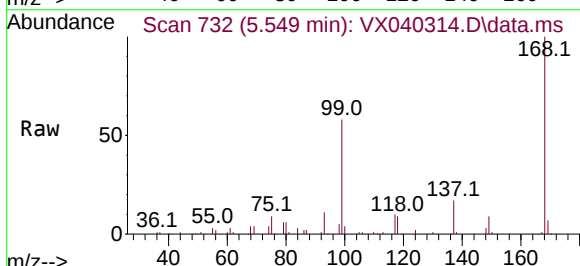
RT: 5.549 min Scan# 732

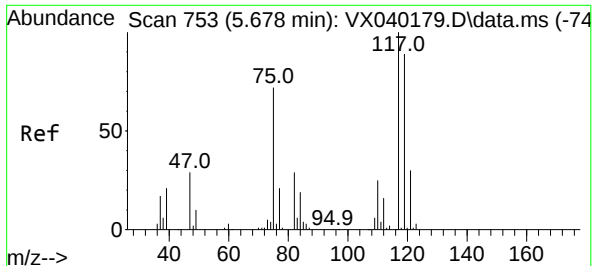
Delta R.T. -0.147 min

Lab File: VX040314.D

Acq: 17 Feb 2024 19:43

Tgt Ion:	75	Resp:	5988
Ion	Ratio	Lower	Upper
75	100		
110	5.0	17.0	50.9#
77	0.0	24.7	37.1#

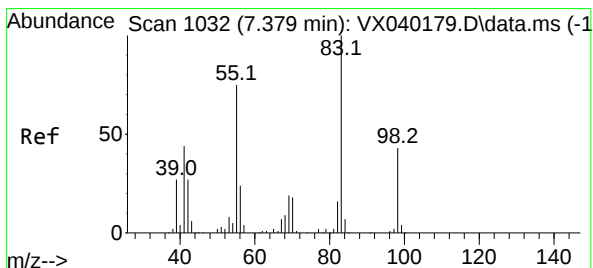
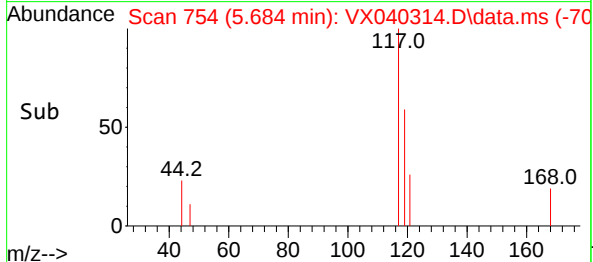
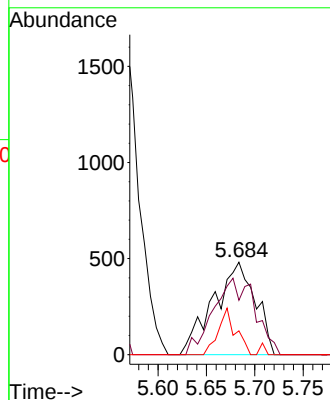
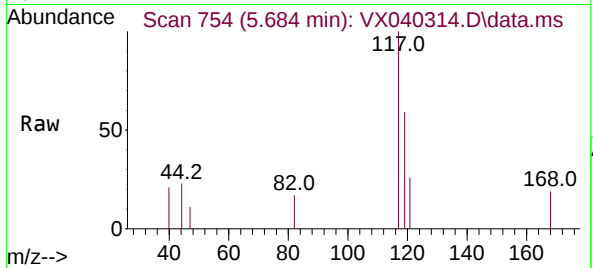




#38
Carbon Tetrachloride
Concen: 1.236 ug/l
RT: 5.684 min Scan# 71
Delta R.T. 0.012 min
Lab File: VX040314.D
Acq: 17 Feb 2024 19:43

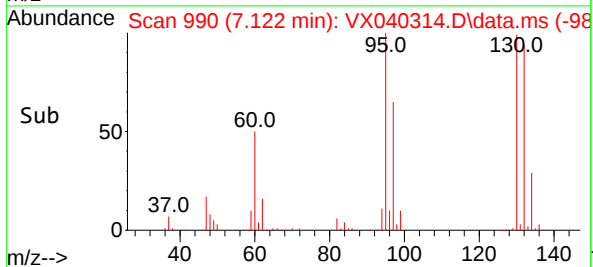
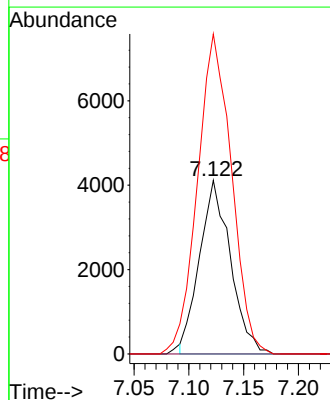
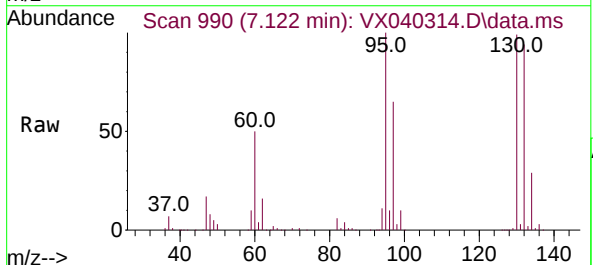
Instrument :
MSVOA_X
ClientSampleId :
RE137-20240215

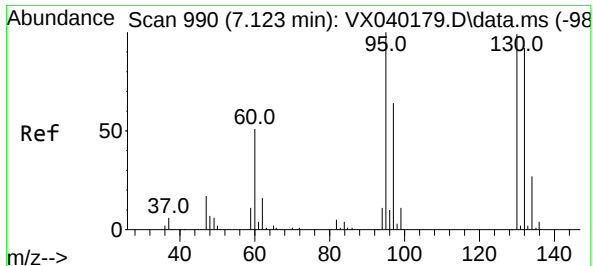
Tgt Ion:117 Resp: 1459
Ion Ratio Lower Upper
117 100
119 58.8 78.2 117.2#
121 25.8 24.4 36.6



#39
Methylcyclohexane
Concen: 5.586 ug/l
RT: 7.122 min Scan# 990
Delta R.T. -0.256 min
Lab File: VX040314.D
Acq: 17 Feb 2024 19:43

Tgt Ion: 83 Resp: 8059
Ion Ratio Lower Upper
83 100
55 0.0 64.6 97.0#
98 184.4 36.7 55.1#

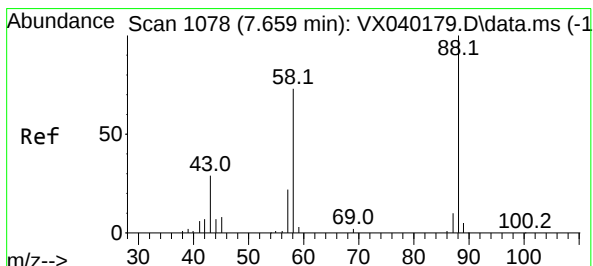
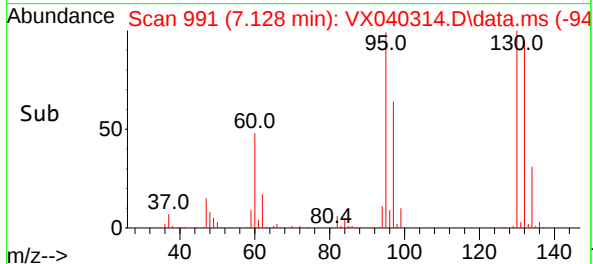
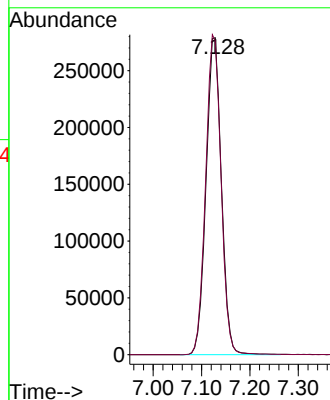
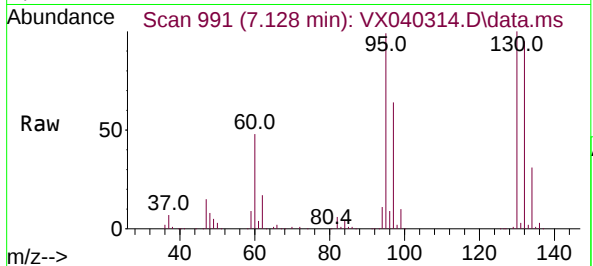




#44
Trichloroethene
Concen: 641.648 ug/l
RT: 7.128 min Scan# 991
Delta R.T. -0.000 min
Lab File: VX040314.D
Acq: 17 Feb 2024 19:43

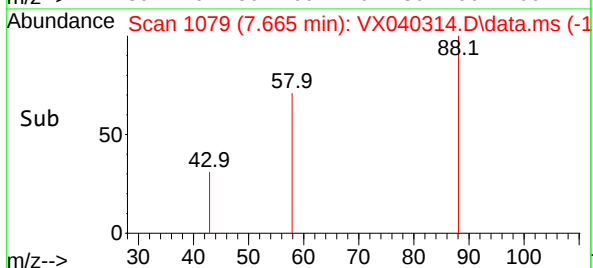
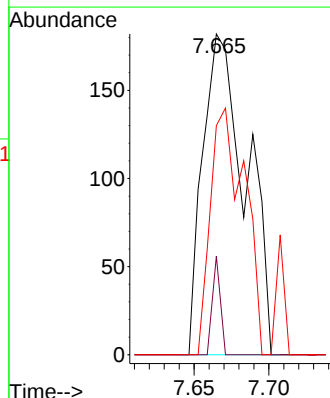
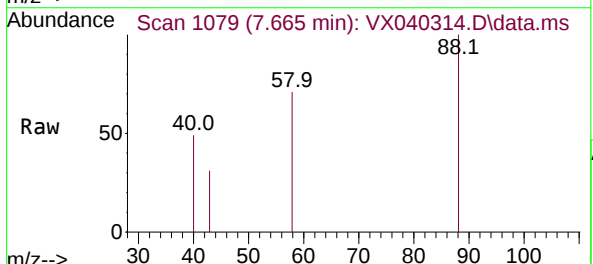
Instrument :
MSVOA_X
ClientSampleId :
RE137-20240215

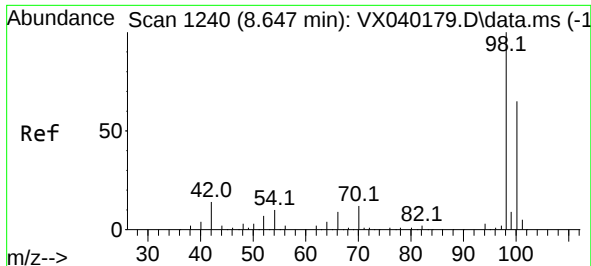
Tgt Ion:130 Resp: 614501
Ion Ratio Lower Upper
130 100
95 99.0 0.0 204.4



#49
1,4-Dioxane
Concen: 15.205 ug/l
RT: 7.665 min Scan# 1079
Delta R.T. 0.006 min
Lab File: VX040314.D
Acq: 17 Feb 2024 19:43

Tgt Ion: 88 Resp: 365
Ion Ratio Lower Upper
88 100
43 5.5 0.0 0.0#
58 60.5 60.1 90.1





#50

Toluene-d8

Concen: 45.520 ug/l

RT: 8.646 min Scan# 11

Delta R.T. -0.006 min

Lab File: VX040314.D

Acq: 17 Feb 2024 19:43

Instrument :

MSVOA_X

ClientSampleId :

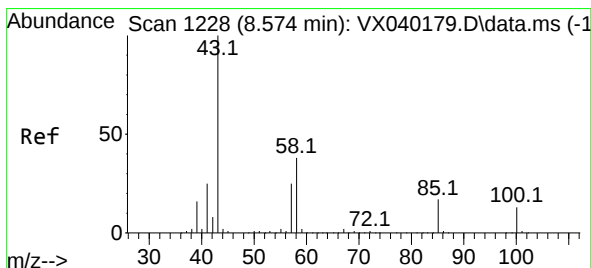
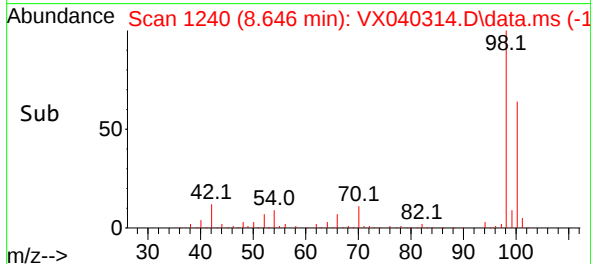
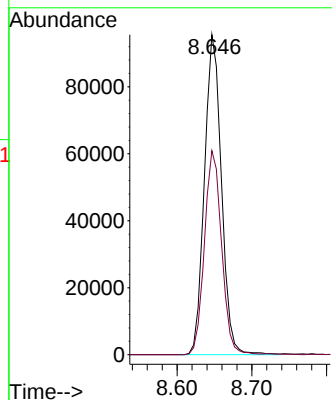
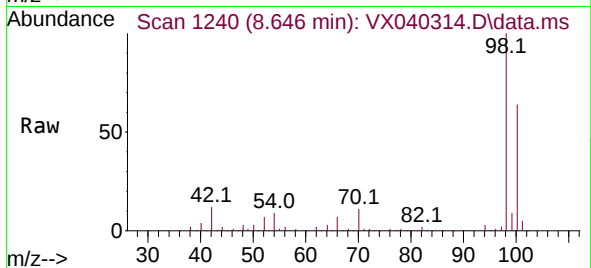
RE137-20240215

Tgt Ion: 98 Resp: 150913

Ion Ratio Lower Upper

98 100

100 64.2 53.1 79.7



#51

4-Methyl-2-Pentanone

Concen: 0.444 ug/l

RT: 8.652 min Scan# 1241

Delta R.T. 0.079 min

Lab File: VX040314.D

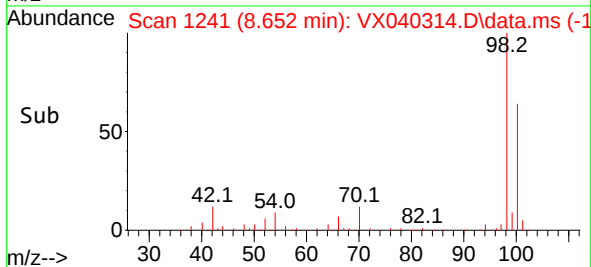
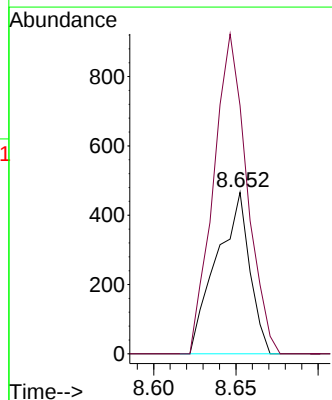
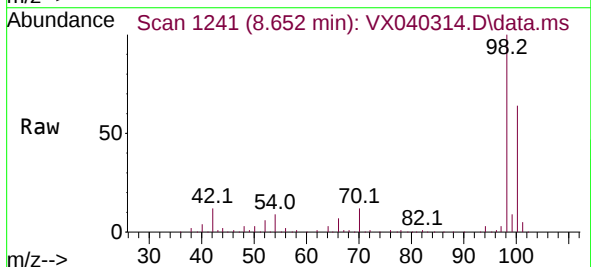
Acq: 17 Feb 2024 19:43

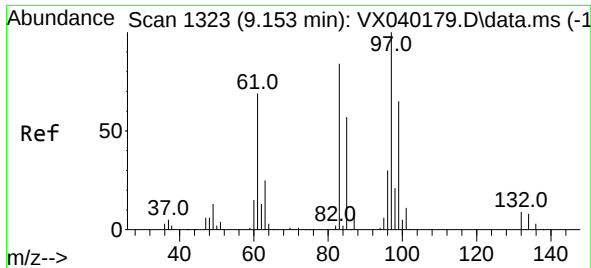
Tgt Ion: 43 Resp: 653

Ion Ratio Lower Upper

43 100

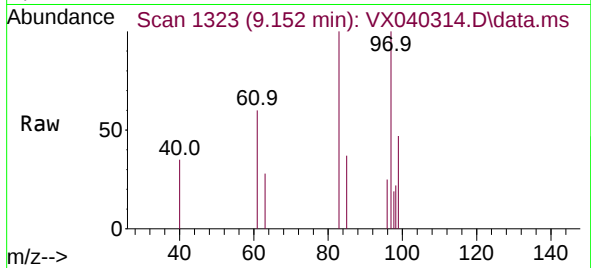
58 200.0 30.4 45.6#



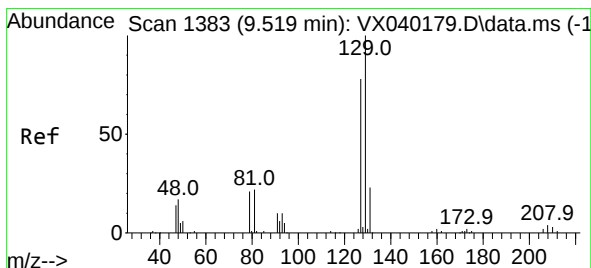
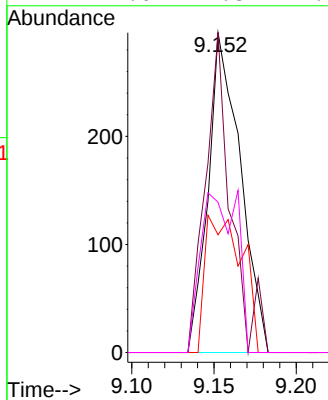
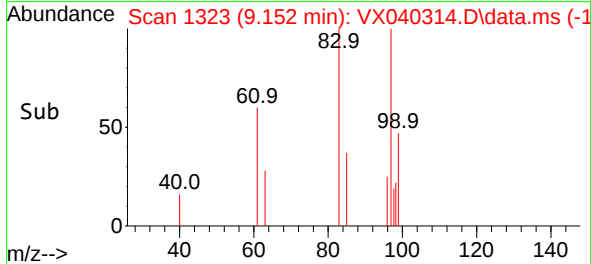


#55
1,1,2-Trichloroethane
Concen: 0.415 ug/l
RT: 9.152 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX040314.D
Acq: 17 Feb 2024 19:43

Instrument :
MSVOA_X
ClientSampleId :
RE137-20240215

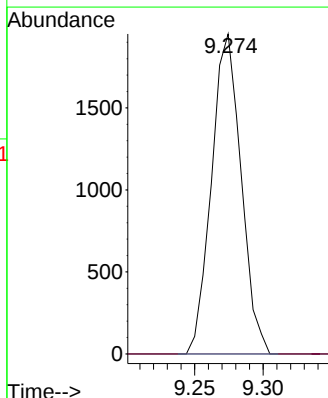
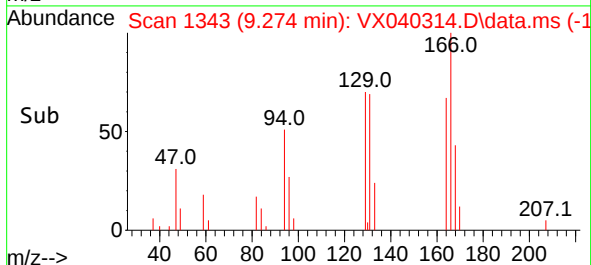
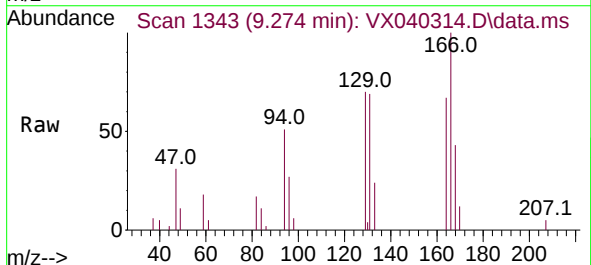


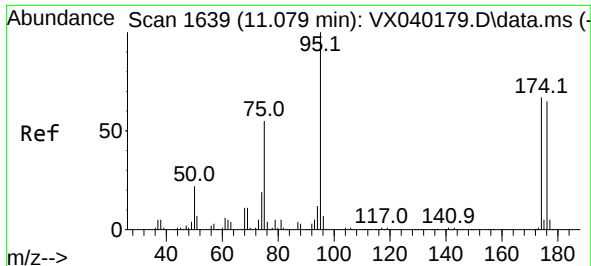
Tgt Ion: 97	Resp: 403
Ion Ratio	Lower Upper
97 100	
83 100.0	65.8 98.8#
85 36.8	41.6 62.4#
99 47.0	47.8 71.8#



#60
Dibromochloromethane
Concen: 2.966 ug/l
RT: 9.274 min Scan# 1343
Delta R.T. -0.244 min
Lab File: VX040314.D
Acq: 17 Feb 2024 19:43

Tgt	Ion:129	Resp:	2931
Ion	Ratio	Lower	Upper
129	100		
127	0.0	38.8	116.4#

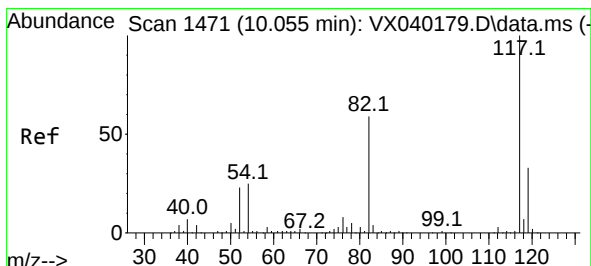
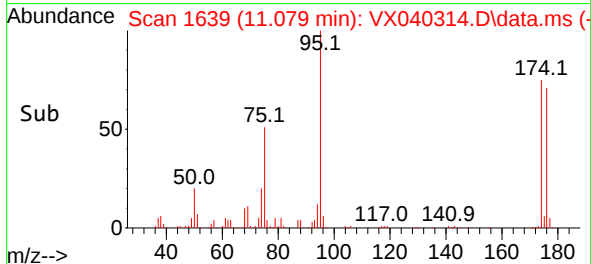
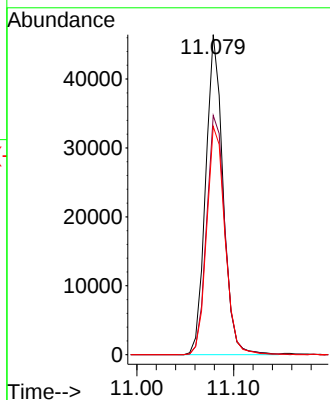
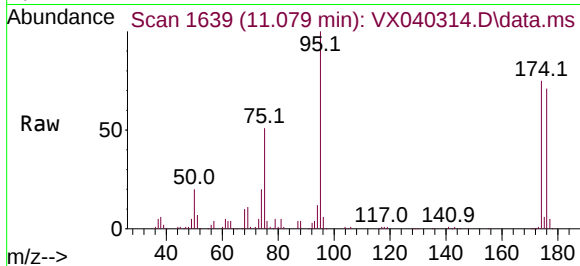




#62
4-Bromofluorobenzene
Concen: 42.993 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX040314.D
Acq: 17 Feb 2024 19:43

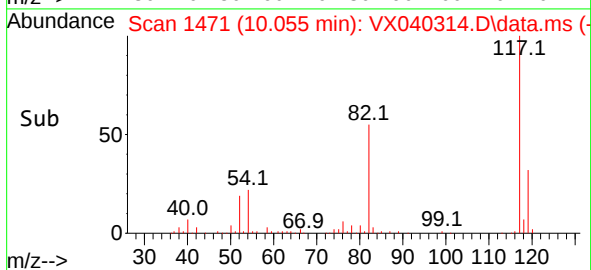
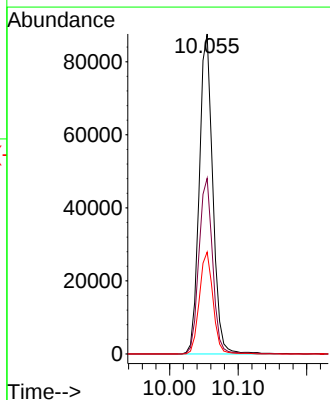
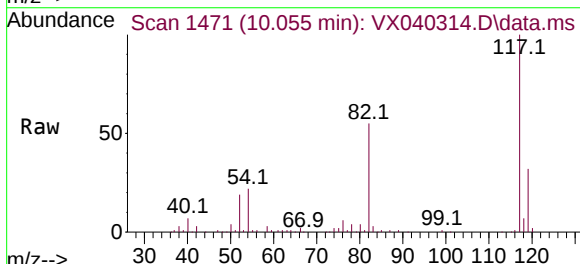
Instrument :
MSVOA_X
ClientSampleId :
RE137-20240215

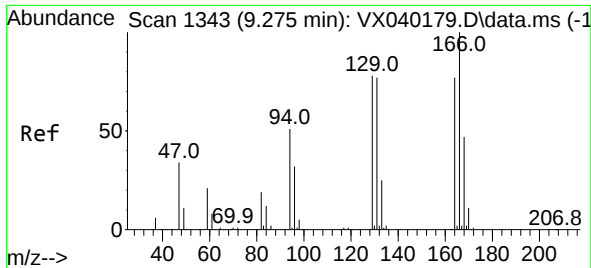
Tgt Ion: 95 Resp: 58132
Ion Ratio Lower Upper
95 100
174 78.9 0.0 135.6
176 75.0 0.0 131.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX040314.D
Acq: 17 Feb 2024 19:43

Tgt Ion: 117 Resp: 120386
Ion Ratio Lower Upper
117 100
82 54.9 46.2 69.4
119 31.9 25.5 38.3



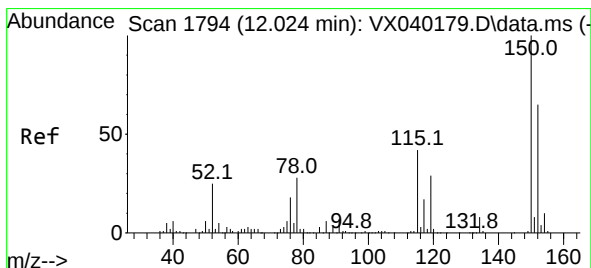
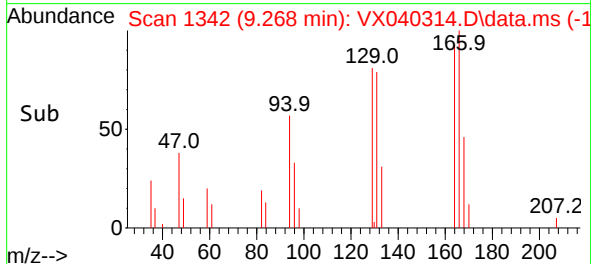
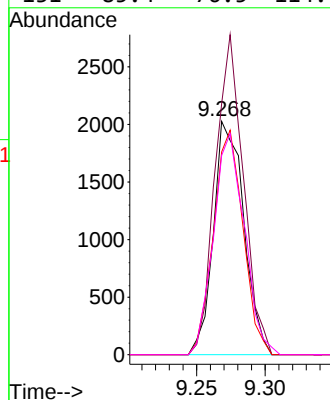
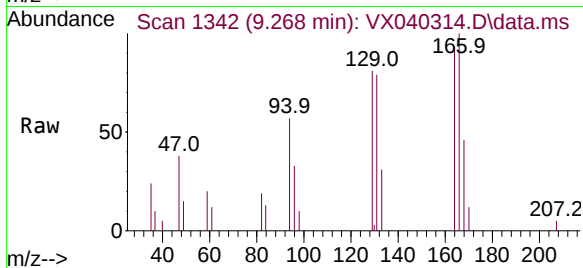


#64
Tetrachloroethene
Concen: 3.697 ug/l
RT: 9.268 min Scan# 11
Delta R.T. -0.006 min
Lab File: VX040314.D
Acq: 17 Feb 2024 19:43

Instrument :
MSVOA_X
ClientSampleId :
RE137-20240215

Tgt Ion:164 Resp: 3119

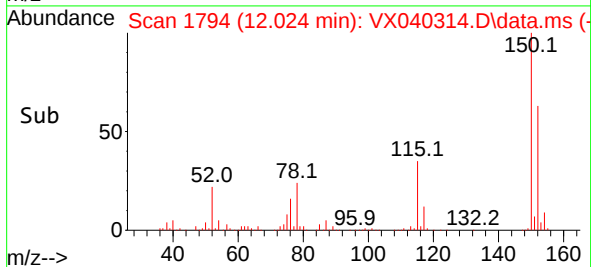
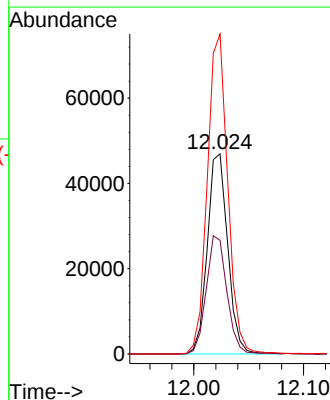
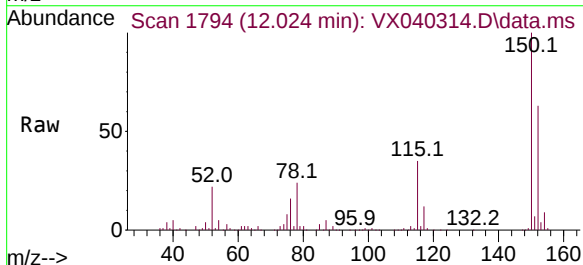
Ion	Ratio	Lower	Upper
164	100		
166	107.5	102.7	154.1
129	86.9	80.4	120.6
131	85.4	76.5	114.7

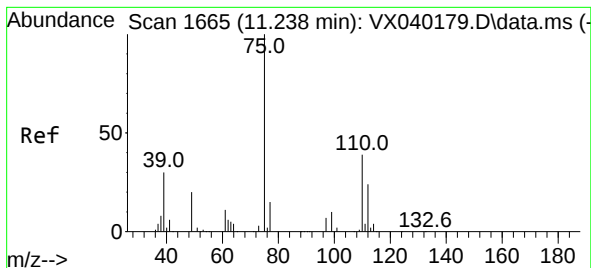


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. -0.000 min
Lab File: VX040314.D
Acq: 17 Feb 2024 19:43

Tgt Ion:152 Resp: 60782

Ion	Ratio	Lower	Upper
152	100		
115	59.8	43.3	129.9
150	159.7	0.0	345.0





#76

1,2,3-Trichloropropane

Concen: 24.966 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.159 min

Lab File: VX040314.D

Acq: 17 Feb 2024 19:43

Instrument :

MSVOA_X

ClientSampleId :

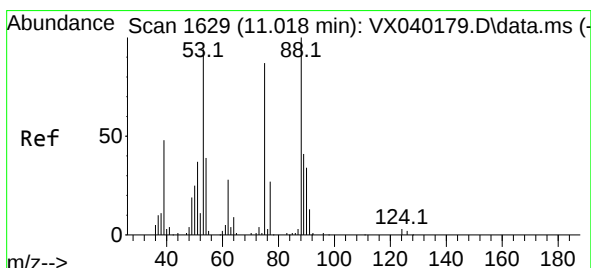
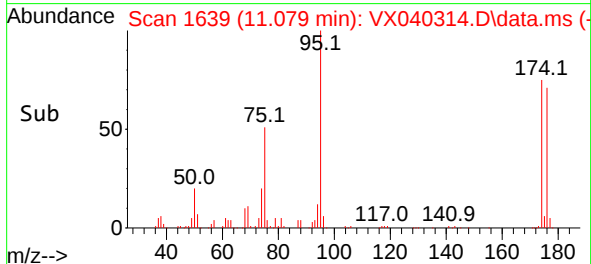
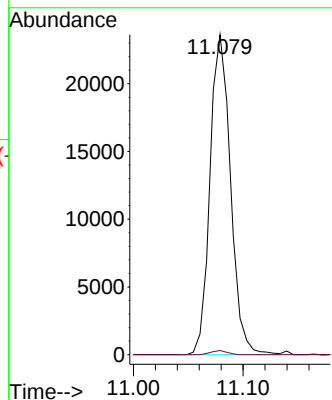
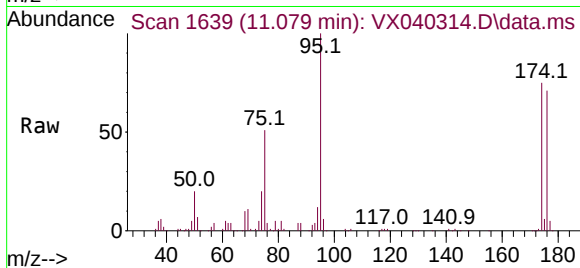
RE137-20240215

Tgt Ion: 75 Resp: 30730

Ion Ratio Lower Upper

75 100

77 1.0 19.1 57.5#



#81

trans-1,4-Dichloro-2-butene

Concen: 68.681 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.061 min

Lab File: VX040314.D

Acq: 17 Feb 2024 19:43

Tgt Ion: 75 Resp: 30730

Ion Ratio Lower Upper

75 100

53 0.0 90.5 135.7#

89 0.0 36.9 55.3#

