

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022624\
 Data File : VX040465.D
 Acq On : 26 Feb 2024 17:02
 Operator : JC/MD
 Sample : P1578-05
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 RE115D1-20240222

Quant Time: Feb 27 05:11:10 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)

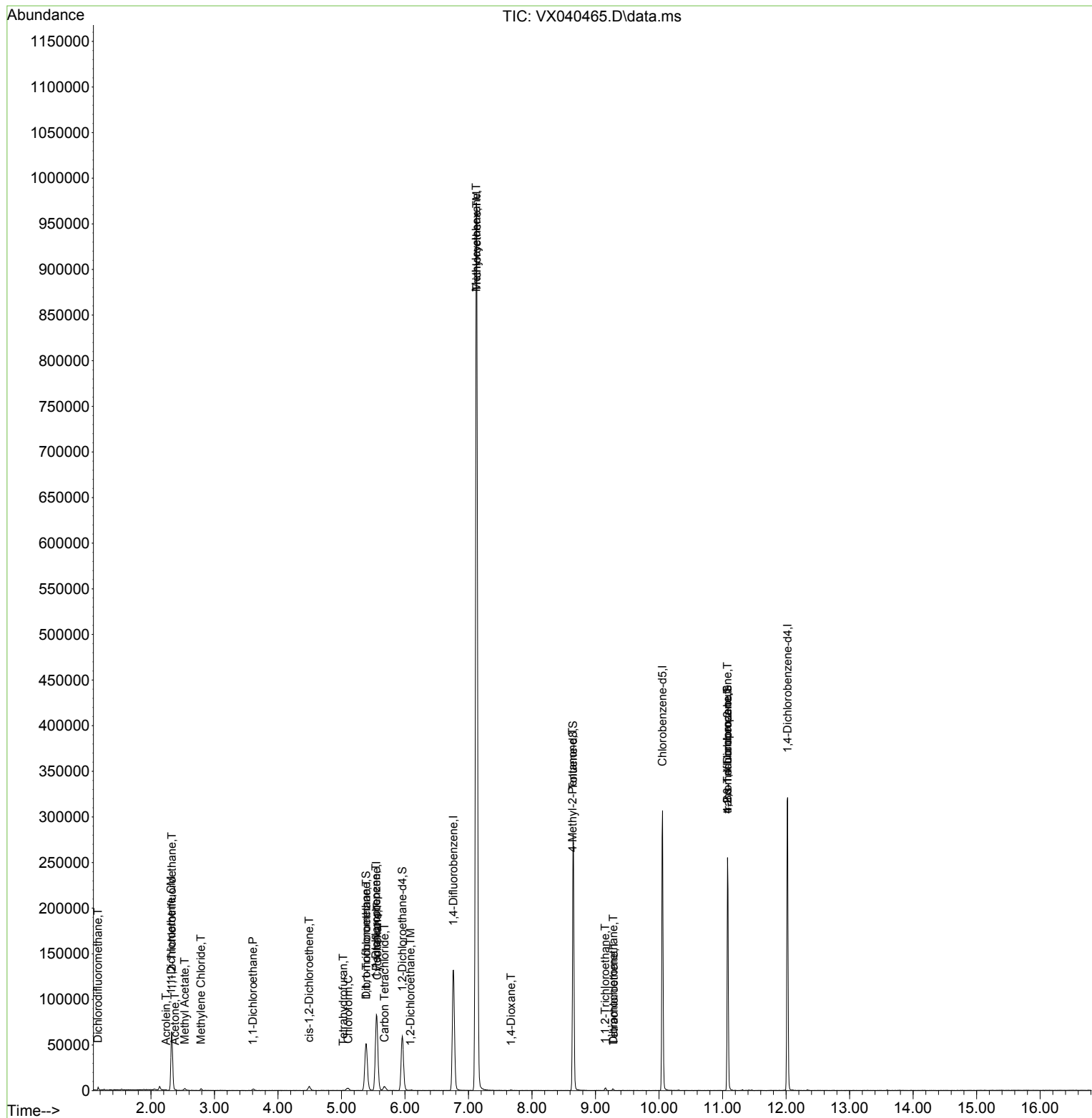
Internal Standards						
1) Pentafluorobenzene	5.550	168	71302	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	127758	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	126948	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	63531	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	59980	50.295	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 100.580%	
35) Dibromofluoromethane	5.385	113	43137	48.555	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 97.100%	
50) Toluene-d8	8.647	98	161943	50.217	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 100.440%	
62) 4-Bromofluorobenzene	11.079	95	63405	51.579	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 103.160%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.167	85	1421	1.601	ug/l	84
9) 1,1,2-Trichlorotrifluo...	2.331	101	18634	23.029	ug/l	99
12) 1,1-Dichloroethene	2.319	96	7197	8.859	ug/l	92
13) Acrolein	2.239	56	78	0.607	ug/l #	1
16) Acetone	2.380	43	1200	3.085	ug/l	99
18) Methyl Acetate	2.532	43	586	0.489	ug/l #	53
20) Methylene Chloride	2.788	84	757	0.813	ug/l #	79
24) 1,1-Dichloroethane	3.605	63	2097	1.259	ug/l #	93
27) cis-1,2-Dichloroethene	4.489	96	2542	2.508	ug/l	87
29) Tetrahydrofuran	5.026	42	105	0.222	ug/l #	34
30) Chloroform	5.105	83	3227	1.825	ug/l	91
31) Cyclohexane	5.562	56	2111	1.562	ug/l #	43
32) 1,1,1-Trichloroethane	5.391	97	1033	0.685	ug/l #	52
36) 1,1-Dichloropropene	5.544	75	6793	4.963	ug/l #	52
38) Carbon Tetrachloride	5.678	117	3601	2.723	ug/l #	87
39) Methylcyclohexane	7.123	83	4625	3.130	ug/l #	1
42) 1,2-Dichloroethane	6.086	62	587	0.383	ug/l #	77
44) Trichloroethene	7.129	130	352834	354.023	ug/l	98
49) 1,4-Dioxane	7.671	88	371	16.693	ug/l #	60
51) 4-Methyl-2-Pentanone	8.641	43	834	0.537	ug/l #	1
55) 1,1,2-Trichloroethane	9.153	97	912	0.966	ug/l #	80
60) Dibromochloromethane	9.281	129	314	0.306	ug/l #	11
64) Tetrachloroethene	9.287	164	299	0.335	ug/l #	62
76) 1,2,3-Trichloropropane	11.079	75	36677	26.231	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.079	75	36677	76.300	ug/l #	5

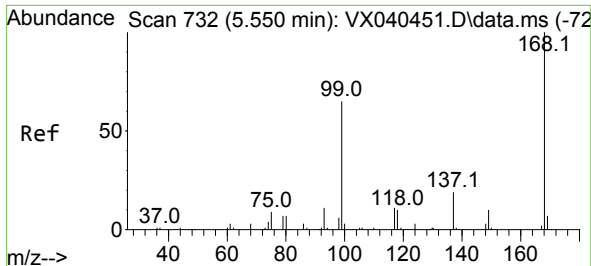
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022624\
Data File : VX040465.D
Acq On : 26 Feb 2024 17:02
Operator : JC/MD
Sample : P1578-05
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
RE115D1-20240222

Quant Time: Feb 27 05:11:10 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

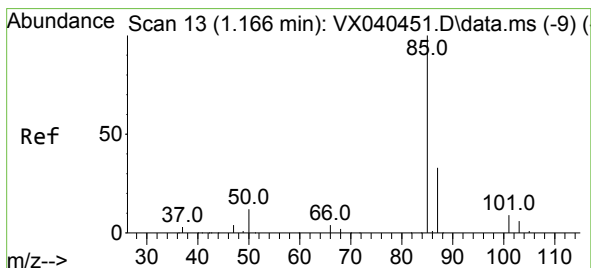
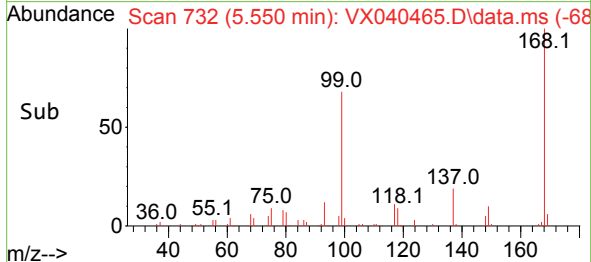
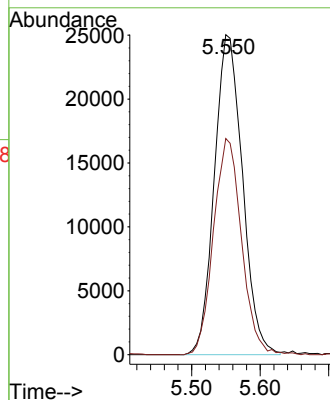
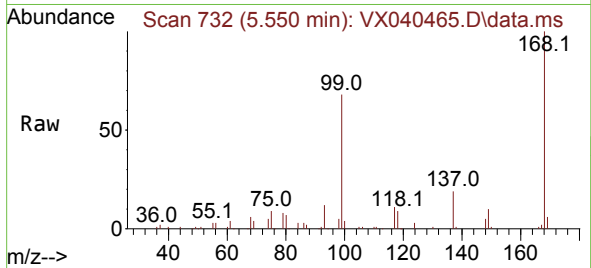




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX040465.D
Acq: 26 Feb 2024 17:02

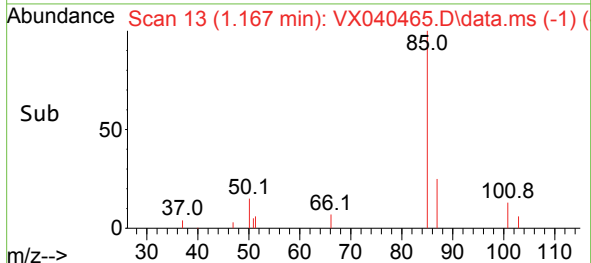
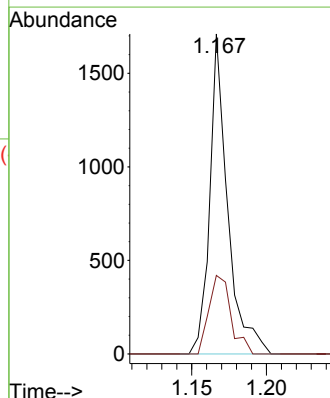
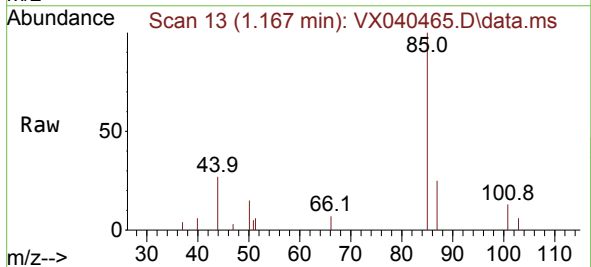
Instrument :
MSVOA_X
ClientSampleId :
RE115D1-20240222

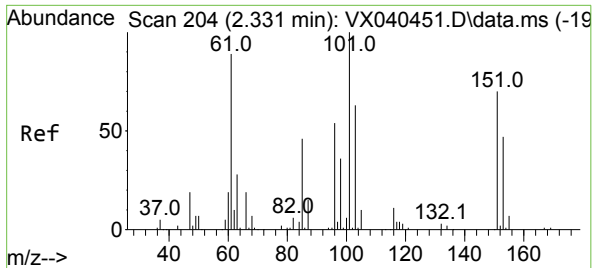
Tgt Ion:168 Resp: 71302
Ion Ratio Lower Upper
168 100
99 67.5 56.6 85.0



#2
Dichlorodifluoromethane
Concen: 1.601 ug/l
RT: 1.167 min Scan# 13
Delta R.T. 0.000 min
Lab File: VX040465.D
Acq: 26 Feb 2024 17:02

Tgt Ion: 85 Resp: 1421
Ion Ratio Lower Upper
85 100
87 24.6 16.7 50.1

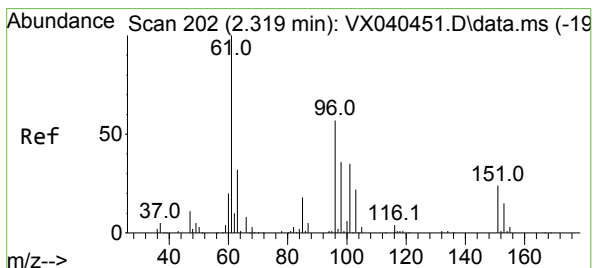
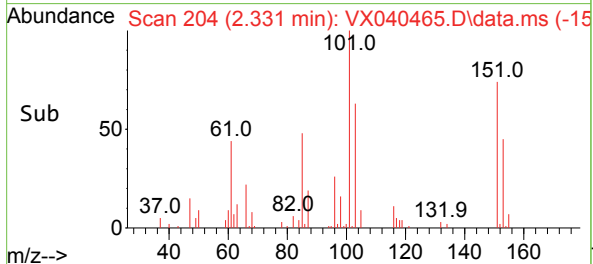
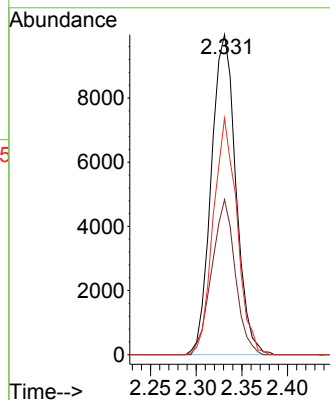
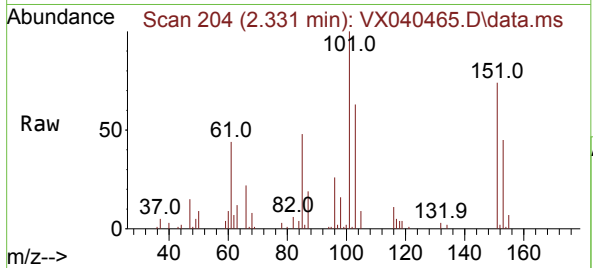




#9
1,1,2-Trichlorotrifluoroethane
Concen: 23.029 ug/l
RT: 2.331 min Scan# 204
Delta R.T. 0.000 min
Lab File: VX040465.D
Acq: 26 Feb 2024 17:02

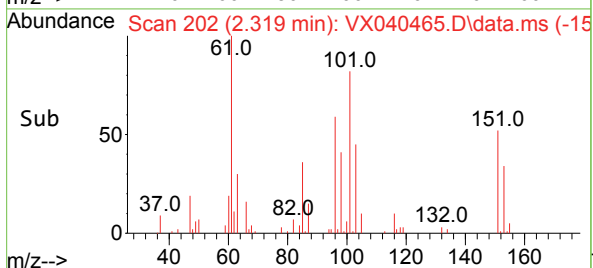
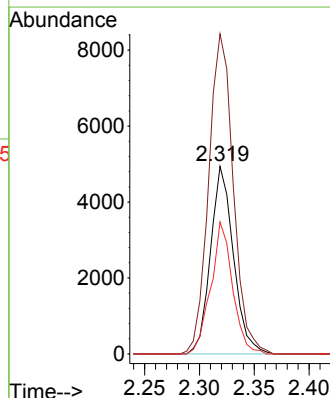
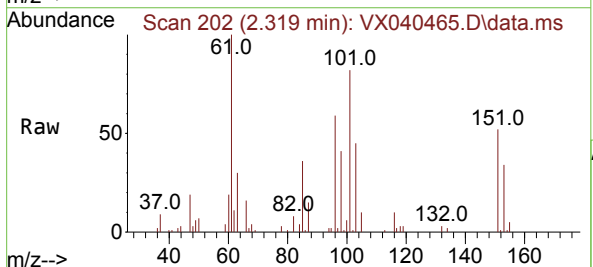
Instrument :
MSVOA_X
ClientSampleId :
RE115D1-20240222

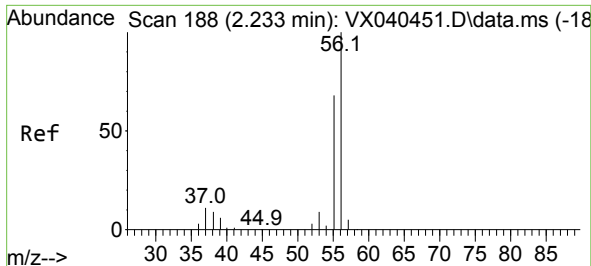
Tgt Ion:101 Resp: 18634
Ion Ratio Lower Upper
101 100
85 46.2 37.0 55.6
151 71.6 58.6 87.8



#12
1,1-Dichloroethene
Concen: 8.859 ug/l
RT: 2.319 min Scan# 202
Delta R.T. 0.000 min
Lab File: VX040465.D
Acq: 26 Feb 2024 17:02

Tgt Ion: 96 Resp: 7197
Ion Ratio Lower Upper
96 100
61 170.6 144.6 216.8
98 70.4 50.4 75.6





#13

Acrolein

Concen: 0.607 ug/l

RT: 2.239 min Scan# 188

Delta R.T. 0.006 min

Lab File: VX040465.D

Acq: 26 Feb 2024 17:02

Instrument :

MSVOA_X

ClientSampleId :

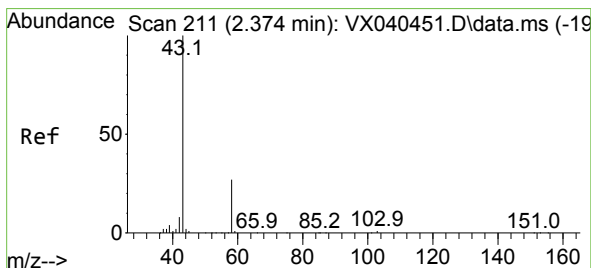
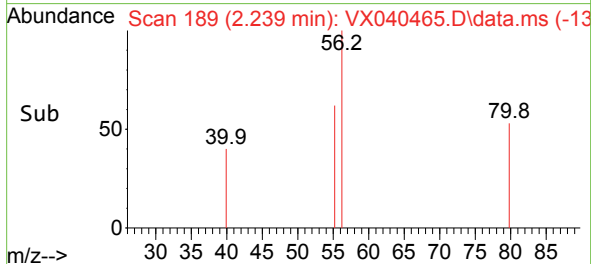
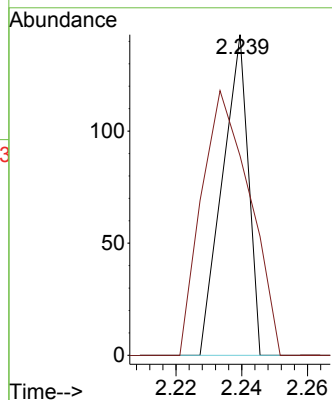
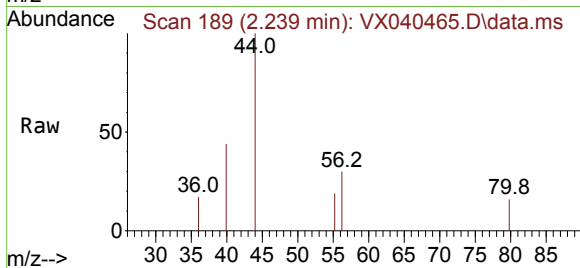
RE115D1-20240222

Tgt Ion: 56 Resp: 78

Ion Ratio Lower Upper

56 100

55 153.8 57.1 85.7#



#16

Acetone

Concen: 3.085 ug/l

RT: 2.380 min Scan# 212

Delta R.T. 0.006 min

Lab File: VX040465.D

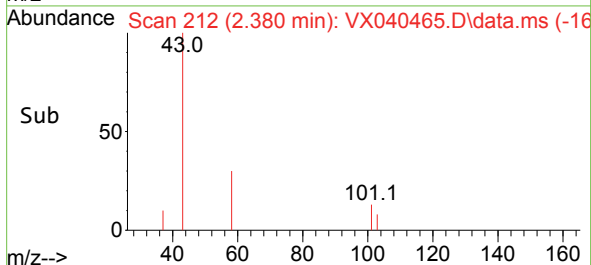
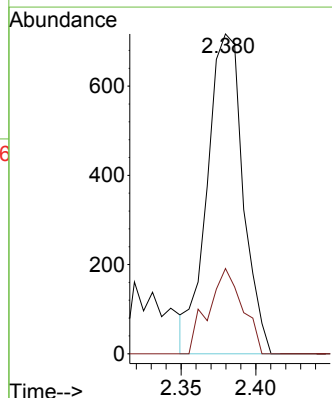
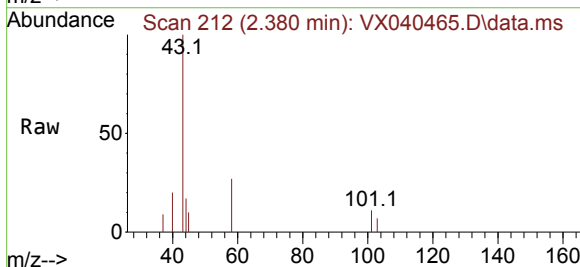
Acq: 26 Feb 2024 17:02

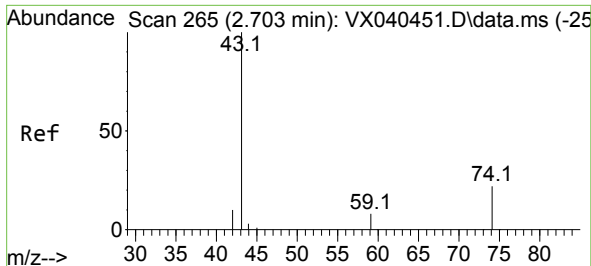
Tgt Ion: 43 Resp: 1200

Ion Ratio Lower Upper

43 100

58 26.6 21.9 32.9





#18

Methyl Acetate

Concen: 0.489 ug/l

RT: 2.532 min Scan# 21

Delta R.T. -0.171 min

Lab File: VX040465.D

Acq: 26 Feb 2024 17:02

Instrument :

MSVOA_X

ClientSampleId :

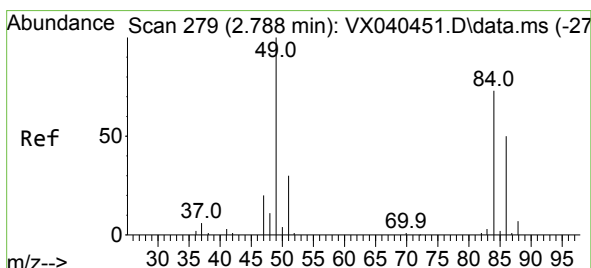
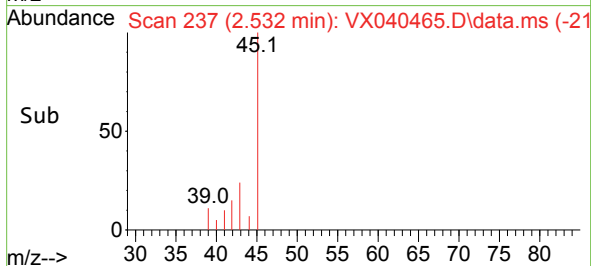
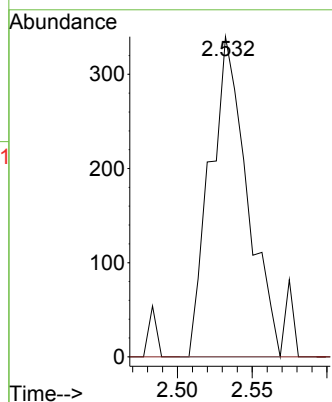
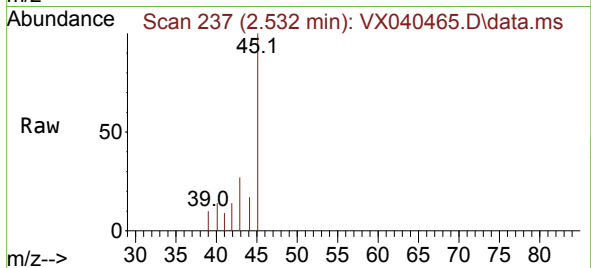
RE115D1-20240222

Tgt Ion: 43 Resp: 586

Ion Ratio Lower Upper

43 100

74 0.0 17.8 26.8#



#20

Methylene Chloride

Concen: 0.813 ug/l

RT: 2.788 min Scan# 279

Delta R.T. 0.000 min

Lab File: VX040465.D

Acq: 26 Feb 2024 17:02

Tgt Ion: 84 Resp: 757

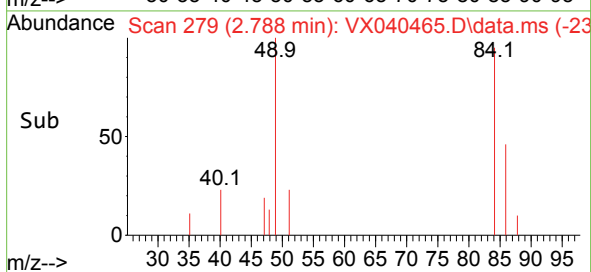
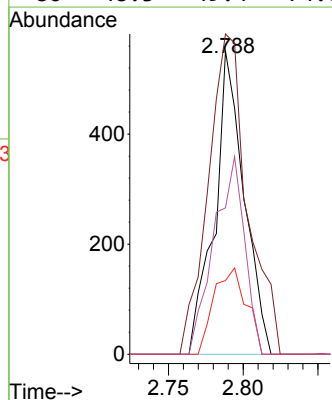
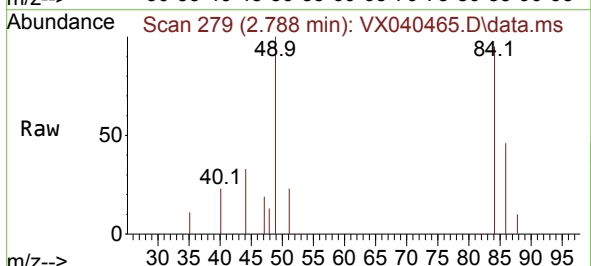
Ion Ratio Lower Upper

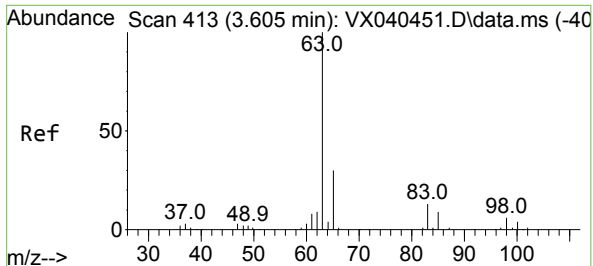
84 100

49 105.6 103.6 155.4

51 24.3 33.8 50.6#

86 48.3 49.4 74.0#

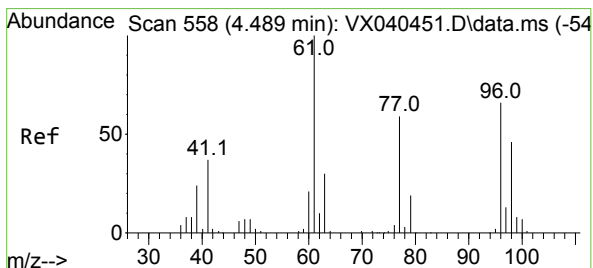
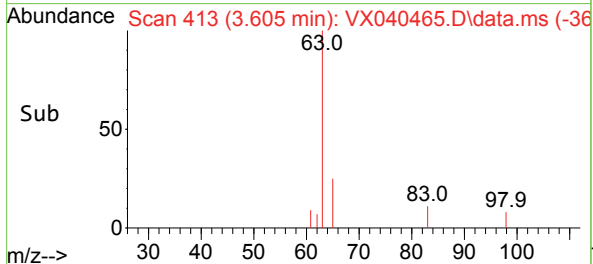
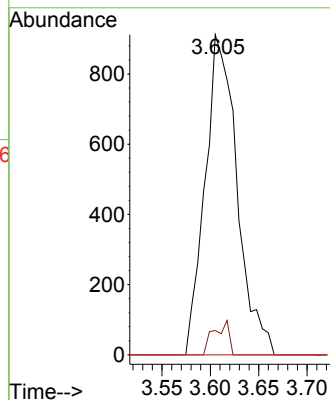
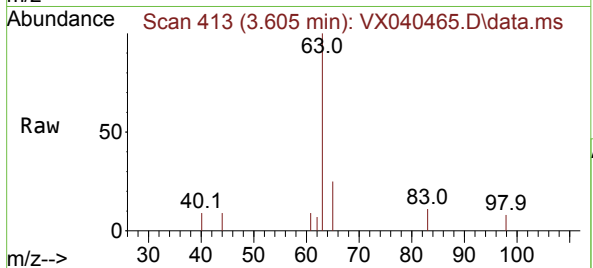




#24
 1,1-Dichloroethane
 Concen: 1.259 ug/l
 RT: 3.605 min Scan# 413
 Delta R.T. 0.000 min
 Lab File: VX040465.D
 Acq: 26 Feb 2024 17:02

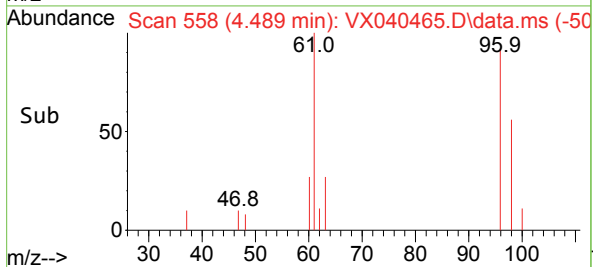
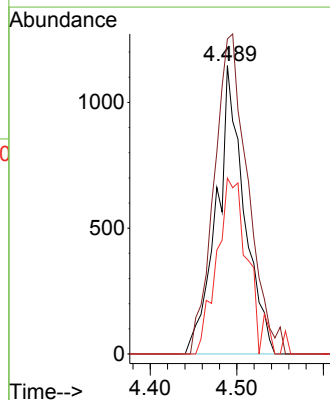
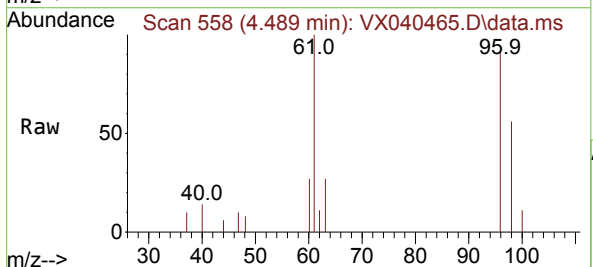
Instrument :
 MSVOA_X
 ClientSampleId :
 RE115D1-20240222

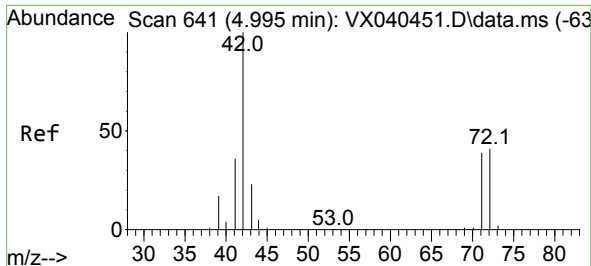
Tgt Ion: 63	Resp:	2097
Ion Ratio	Lower	Upper
63	100	
98	7.6	3.3 9.8
100	0.0	2.1 6.5



#27
 cis-1,2-Dichloroethene
 Concen: 2.508 ug/l
 RT: 4.489 min Scan# 558
 Delta R.T. 0.000 min
 Lab File: VX040465.D
 Acq: 26 Feb 2024 17:02

Tgt Ion: 96	Resp:	2542
Ion Ratio	Lower	Upper
96	100	
61	134.9	0.0 312.2
98	68.2	0.0 129.0





#29

Tetrahydrofuran

Concen: 0.222 ug/l

RT: 5.026 min Scan# 641

Delta R.T. 0.030 min

Lab File: VX040465.D

Acq: 26 Feb 2024 17:02

Instrument :

MSVOA_X

ClientSampleId :

RE115D1-20240222

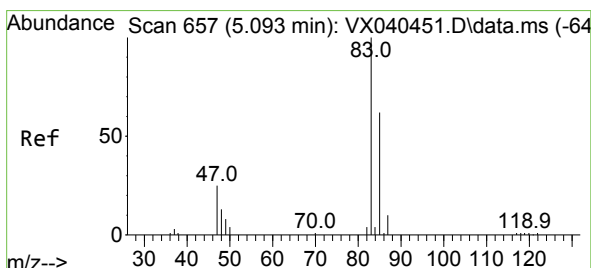
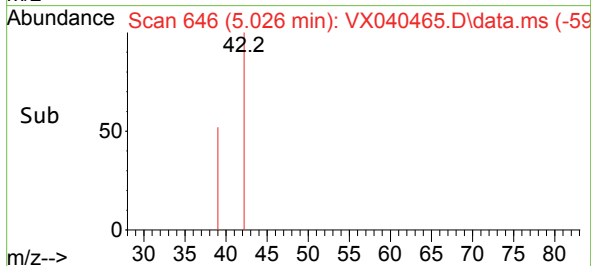
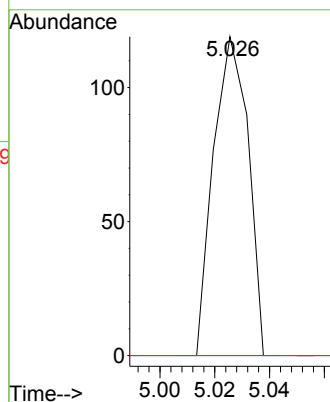
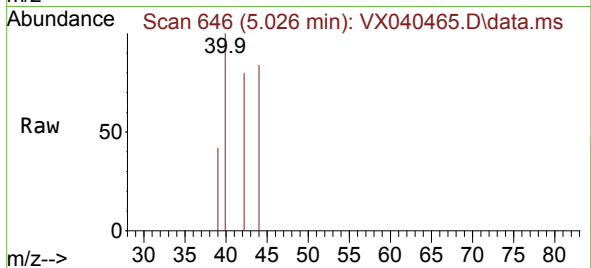
Tgt Ion: 42 Resp: 105

Ion Ratio Lower Upper

42 100

72 0.0 34.2 51.4#

71 0.0 32.2 48.2#



#30

Chloroform

Concen: 1.825 ug/l

RT: 5.105 min Scan# 659

Delta R.T. 0.012 min

Lab File: VX040465.D

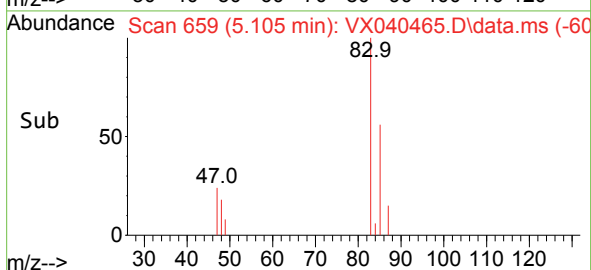
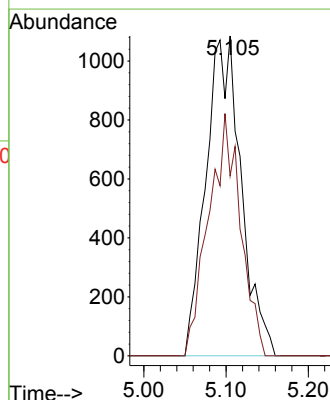
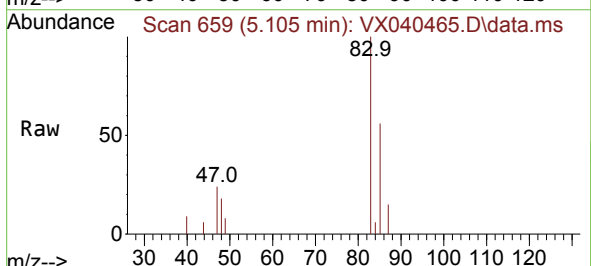
Acq: 26 Feb 2024 17:02

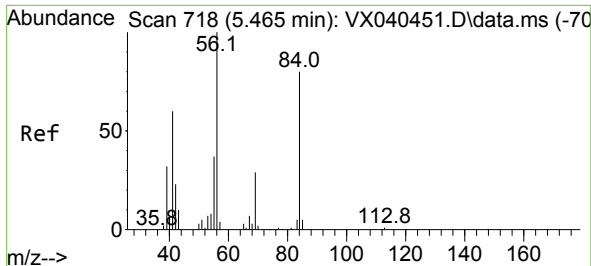
Tgt Ion: 83 Resp: 3227

Ion Ratio Lower Upper

83 100

85 56.2 50.3 75.5

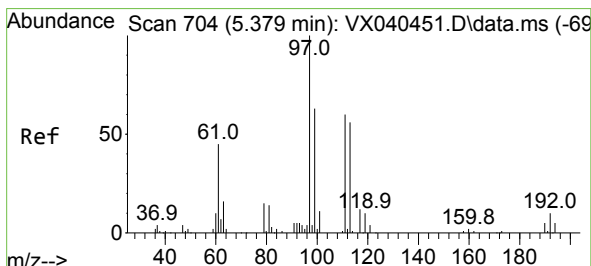
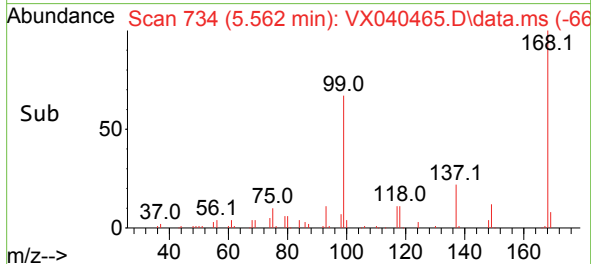
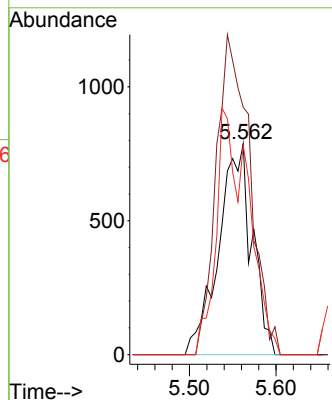
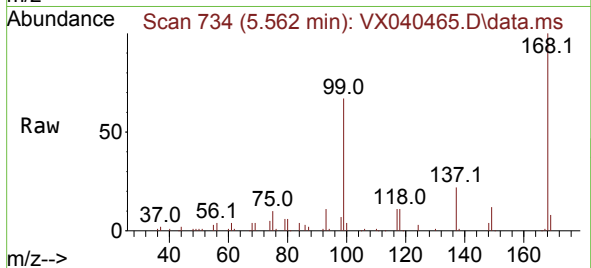




#31
Cyclohexane
Concen: 1.562 ug/l
RT: 5.562 min Scan# 718
Delta R.T. 0.098 min
Lab File: VX040465.D
Acq: 26 Feb 2024 17:02

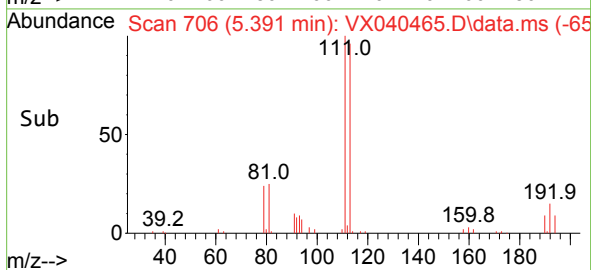
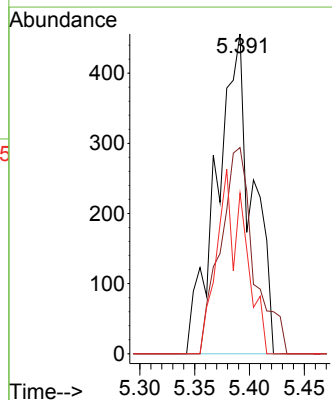
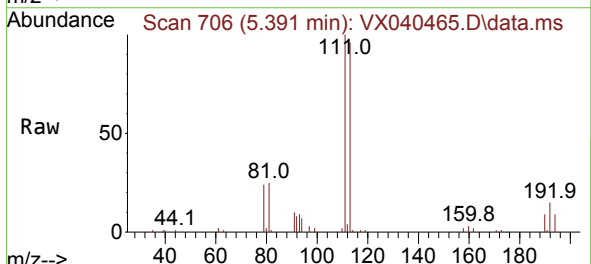
Instrument :
MSVOA_X
ClientSampleId :
RE115D1-20240222

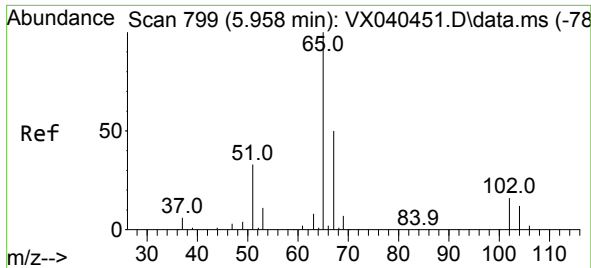
Tgt Ion: 56 Resp: 2111
Ion Ratio Lower Upper
56 100
69 117.3 23.4 35.2#
84 99.2 65.9 98.9#



#32
1,1,1-Trichloroethane
Concen: 0.685 ug/l
RT: 5.391 min Scan# 706
Delta R.T. 0.012 min
Lab File: VX040465.D
Acq: 26 Feb 2024 17:02

Tgt Ion: 97 Resp: 1033
Ion Ratio Lower Upper
97 100
99 0.0 51.1 76.7#
61 44.6 36.4 54.6

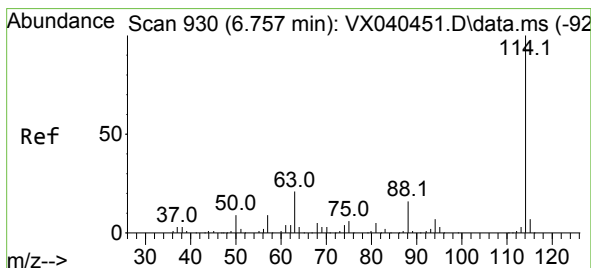
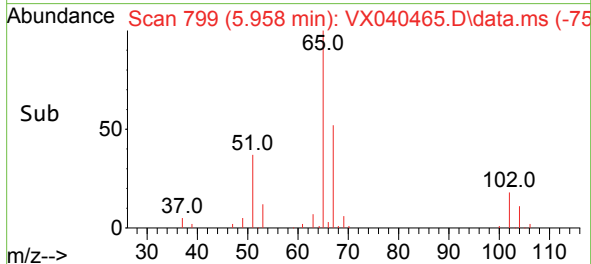
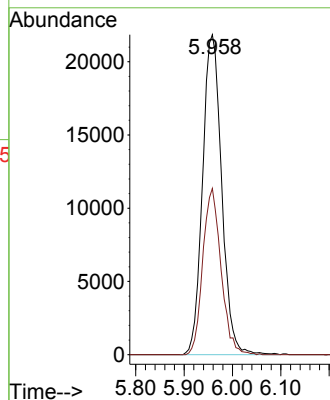
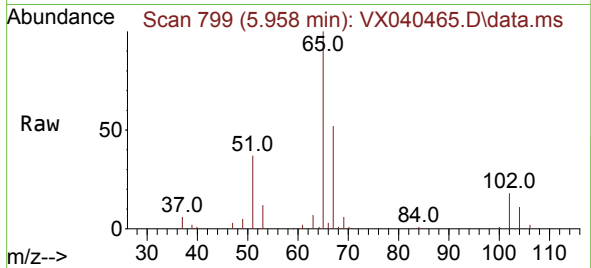




#33
1,2-Dichloroethane-d4
Concen: 50.295 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.000 min
Lab File: VX040465.D
Acq: 26 Feb 2024 17:02

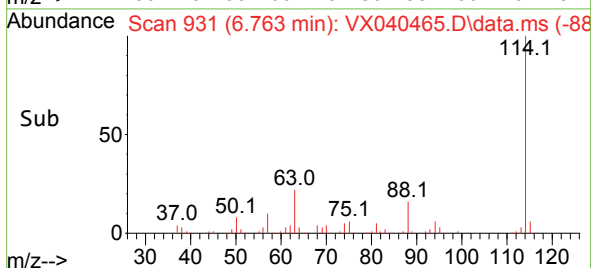
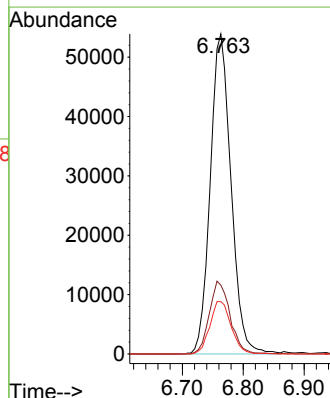
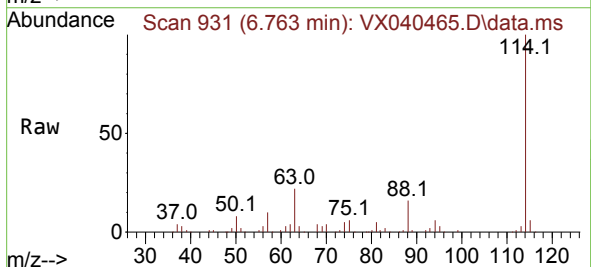
Instrument :
MSVOA_X
ClientSampleId :
RE115D1-20240222

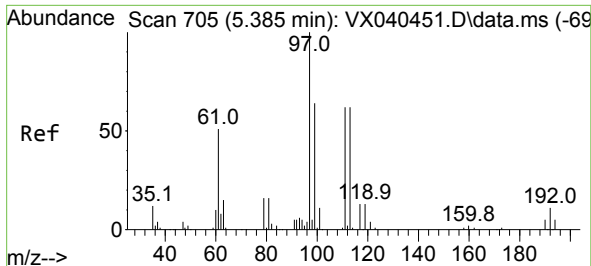
Tgt Ion: 65 Resp: 59980
Ion Ratio Lower Upper
65 100
67 49.6 0.0 100.2



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 931
Delta R.T. 0.006 min
Lab File: VX040465.D
Acq: 26 Feb 2024 17:02

Tgt Ion: 114 Resp: 127758
Ion Ratio Lower Upper
114 100
63 21.5 0.0 45.0
88 16.3 0.0 36.6

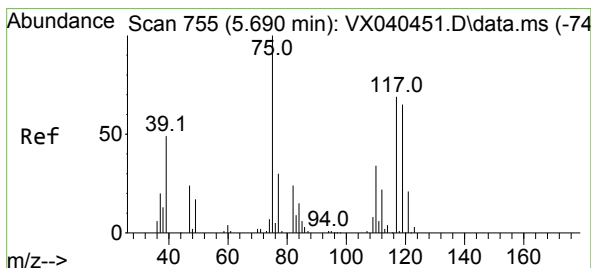
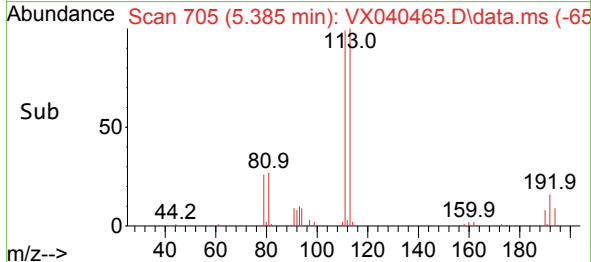
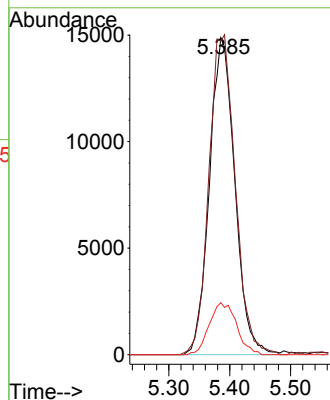
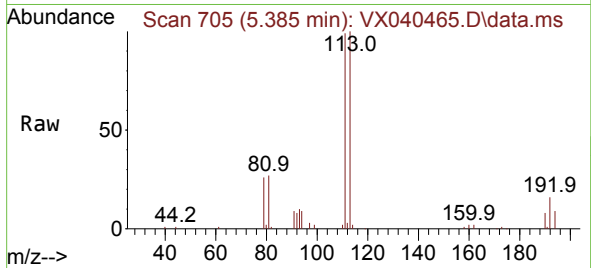




#35
Dibromofluoromethane
Concen: 48.555 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX040465.D
Acq: 26 Feb 2024 17:02

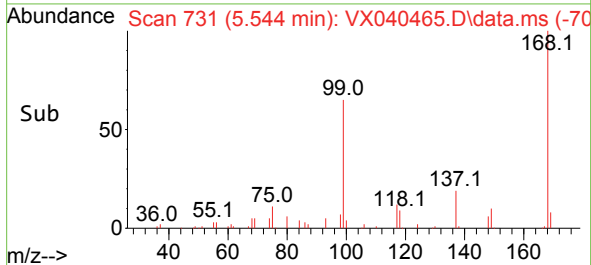
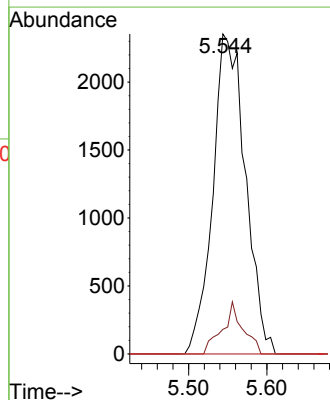
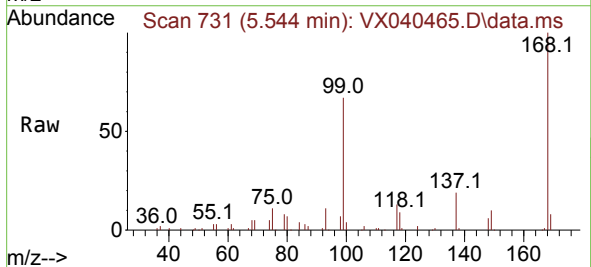
Instrument :
MSVOA_X
ClientSampleId :
RE115D1-20240222

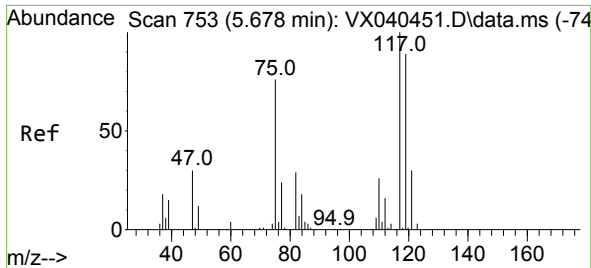
Tgt Ion:113 Resp: 43137
Ion Ratio Lower Upper
113 100
111 104.4 82.9 124.3
192 17.6 13.3 19.9



#36
1,1-Dichloropropene
Concen: 4.963 ug/l
RT: 5.544 min Scan# 731
Delta R.T. -0.146 min
Lab File: VX040465.D
Acq: 26 Feb 2024 17:02

Tgt Ion: 75 Resp: 6793
Ion Ratio Lower Upper
75 100
110 10.3 17.0 50.9#
77 0.0 24.7 37.1#

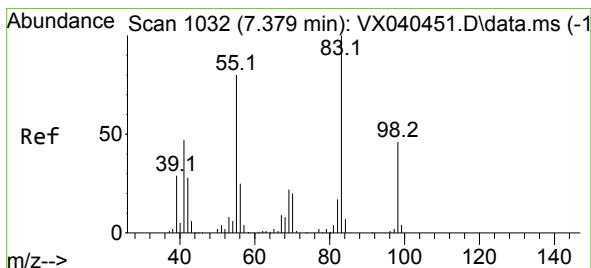
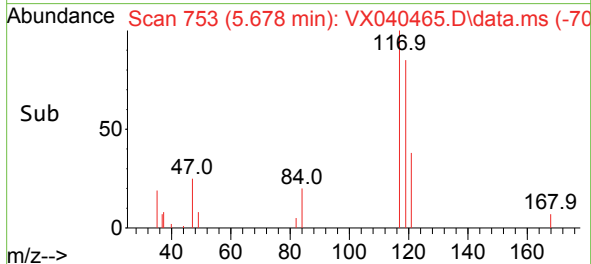
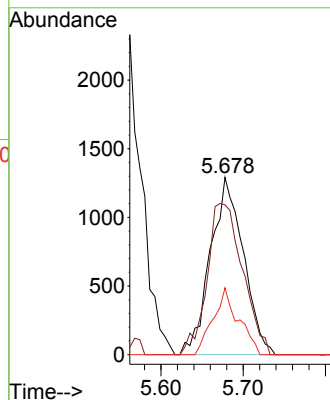
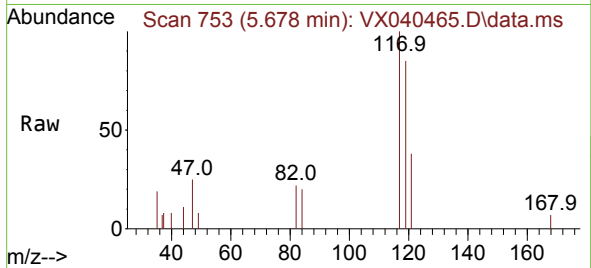




#38
Carbon Tetrachloride
Concen: 2.723 ug/l
RT: 5.678 min Scan# 71
Delta R.T. 0.000 min
Lab File: VX040465.D
Acq: 26 Feb 2024 17:02

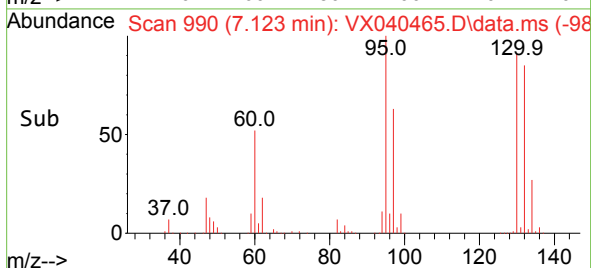
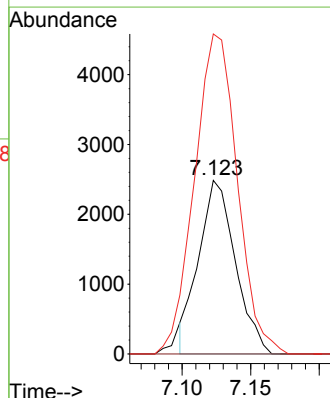
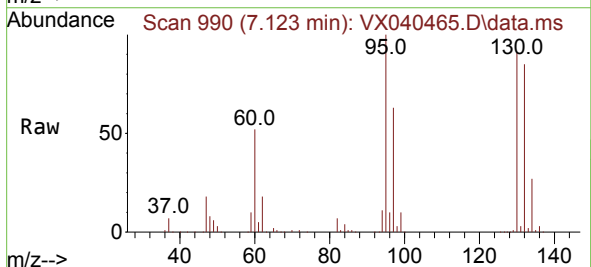
Instrument :
MSVOA_X
ClientSampleId :
RE115D1-20240222

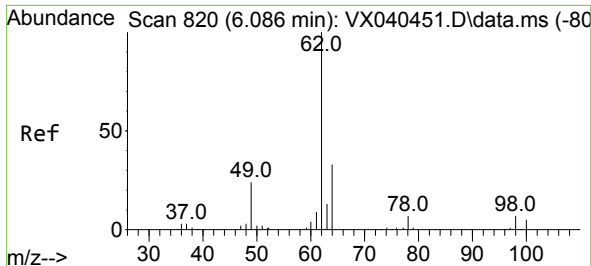
Tgt Ion:117 Resp: 3601
Ion Ratio Lower Upper
117 100
119 84.6 78.2 117.2
121 37.7 24.4 36.6#



#39
Methylcyclohexane
Concen: 3.130 ug/l
RT: 7.123 min Scan# 990
Delta R.T. -0.256 min
Lab File: VX040465.D
Acq: 26 Feb 2024 17:02

Tgt Ion: 83 Resp: 4625
Ion Ratio Lower Upper
83 100
55 0.0 64.6 97.0#
98 181.2 36.7 55.1#





#42

1,2-Dichloroethane

Concen: 0.383 ug/l

RT: 6.086 min Scan# 81

Delta R.T. 0.000 min

Lab File: VX040465.D

Acq: 26 Feb 2024 17:02

Instrument :

MSVOA_X

ClientSampleId :

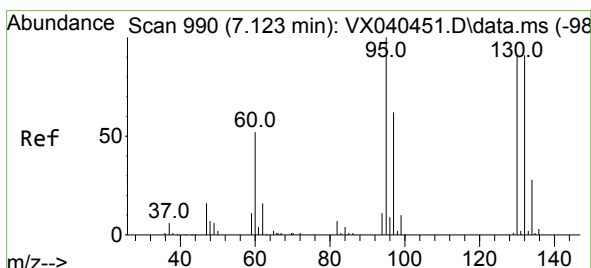
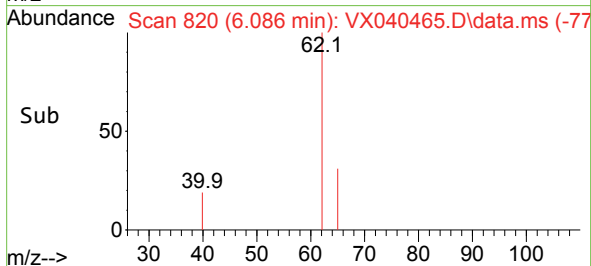
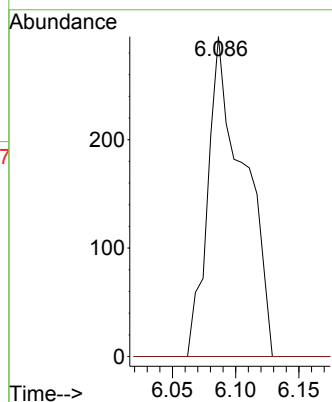
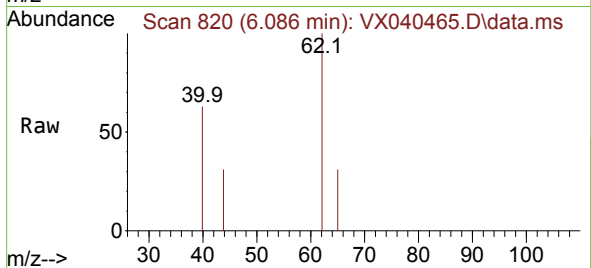
RE115D1-20240222

Tgt Ion: 62 Resp: 587

Ion Ratio Lower Upper

62 100

98 0.0 0.0 16.0



#44

Trichloroethene

Concen: 354.023 ug/l

RT: 7.129 min Scan# 991

Delta R.T. 0.006 min

Lab File: VX040465.D

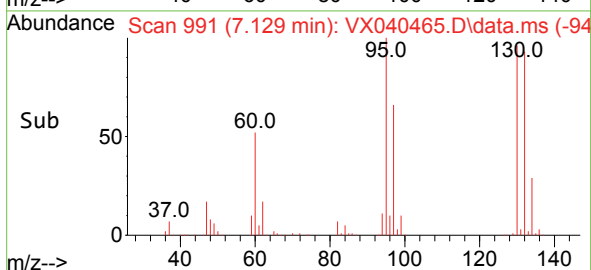
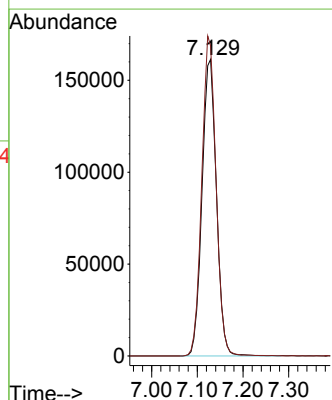
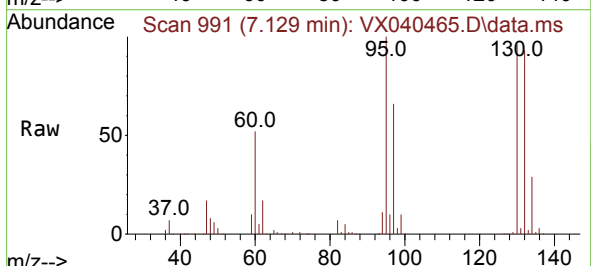
Acq: 26 Feb 2024 17:02

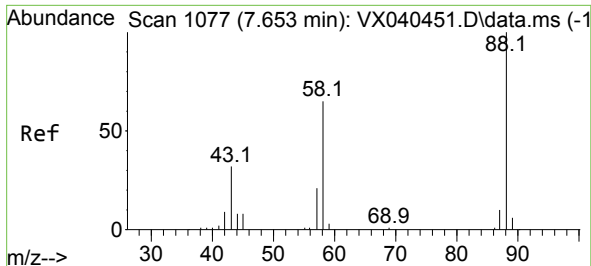
Tgt Ion:130 Resp: 352834

Ion Ratio Lower Upper

130 100

95 104.5 0.0 204.4

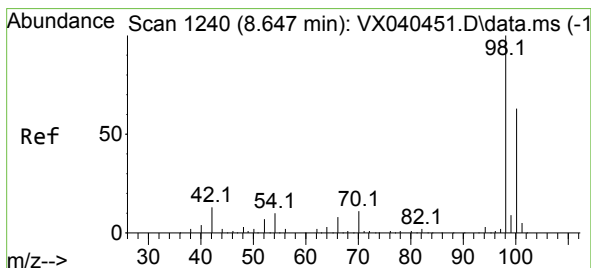
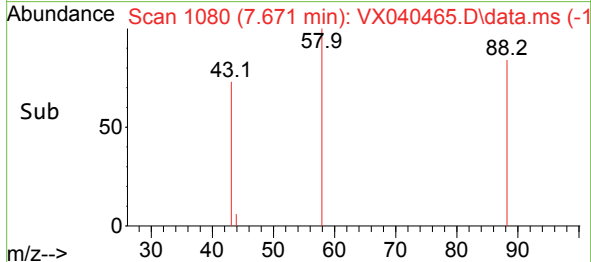
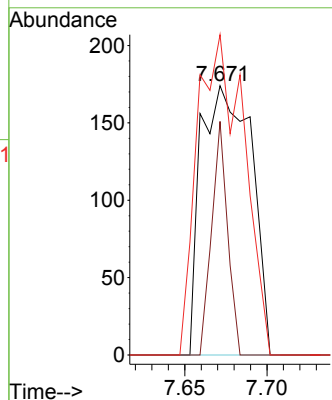
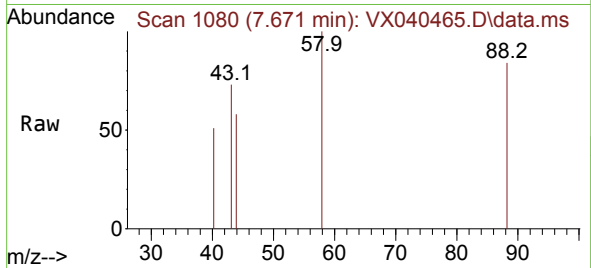




#49
1,4-Dioxane
Concen: 16.693 ug/l
RT: 7.671 min Scan# 1080
Delta R.T. 0.018 min
Lab File: VX040465.D
Acq: 26 Feb 2024 17:02

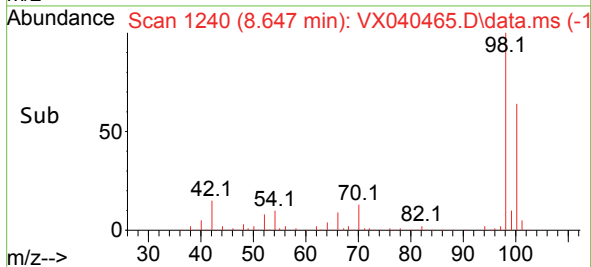
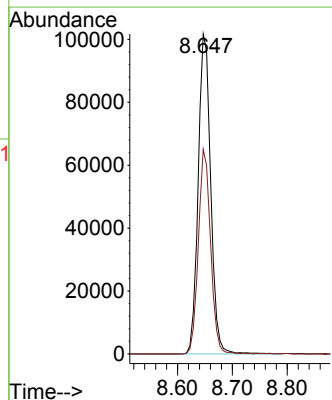
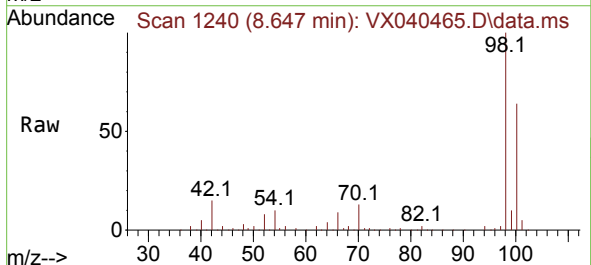
Instrument :
MSVOA_X
ClientSampleId :
RE115D1-20240222

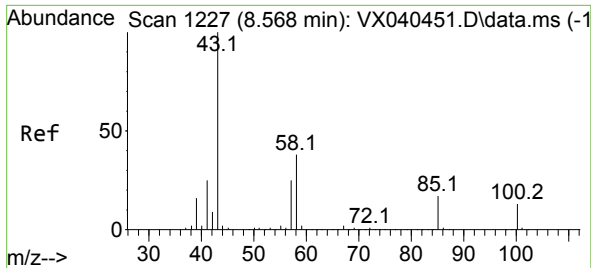
Tgt Ion: 88 Resp: 371
Ion Ratio Lower Upper
88 100
43 27.2 0.0 0.0#
58 109.4 60.1 90.1#



#50
Toluene-d8
Concen: 50.217 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX040465.D
Acq: 26 Feb 2024 17:02

Tgt Ion: 98 Resp: 161943
Ion Ratio Lower Upper
98 100
100 62.5 53.1 79.7

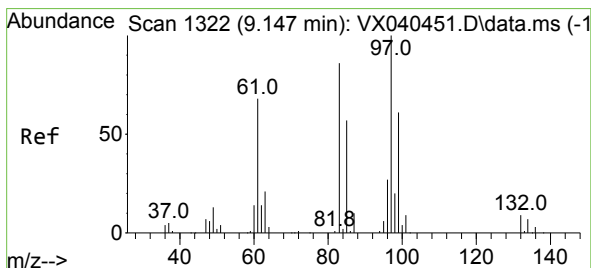
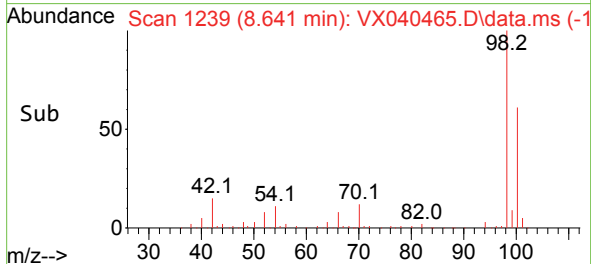
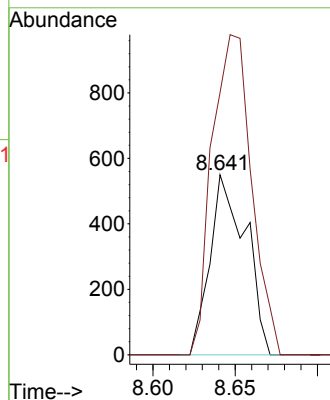
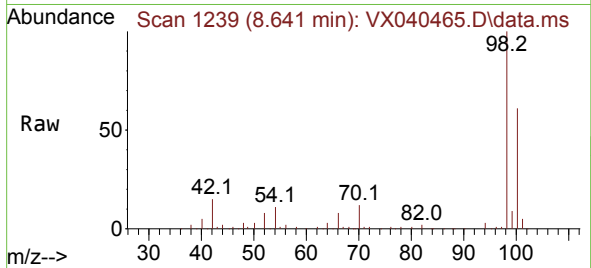




#51
4-Methyl-2-Pentanone
Concen: 0.537 ug/l
RT: 8.641 min Scan# 11
Delta R.T. 0.073 min
Lab File: VX040465.D
Acq: 26 Feb 2024 17:02

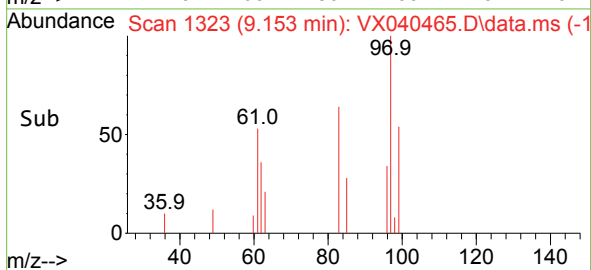
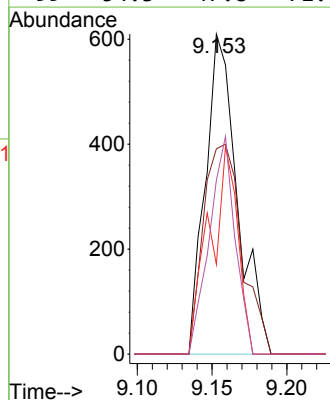
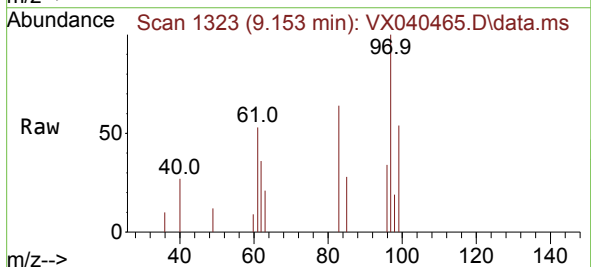
Instrument :
MSVOA_X
ClientSampleId :
RE115D1-20240222

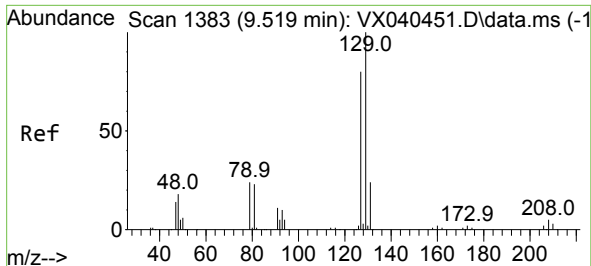
Tgt Ion: 43 Resp: 834
Ion Ratio Lower Upper
43 100
58 196.3 30.4 45.6#



#55
1,1,2-Trichloroethane
Concen: 0.966 ug/l
RT: 9.153 min Scan# 1323
Delta R.T. 0.006 min
Lab File: VX040465.D
Acq: 26 Feb 2024 17:02

Tgt Ion: 97 Resp: 912
Ion Ratio Lower Upper
97 100
83 64.1 65.8 98.8#
85 28.0 41.6 62.4#
99 54.3 47.8 71.8

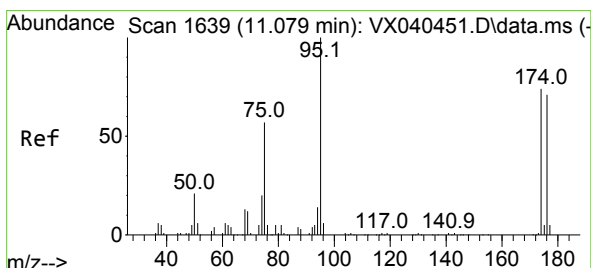
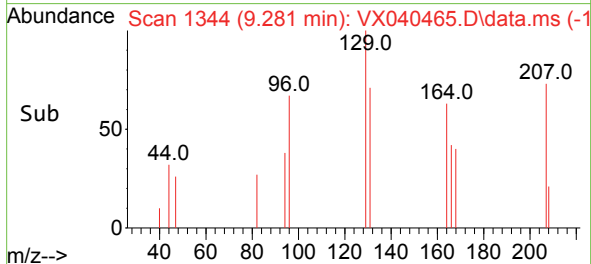
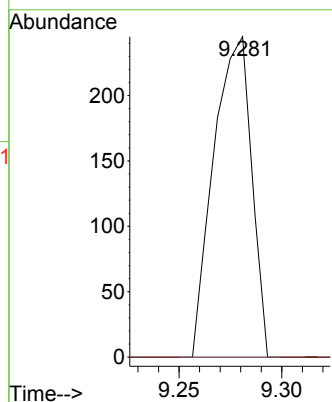
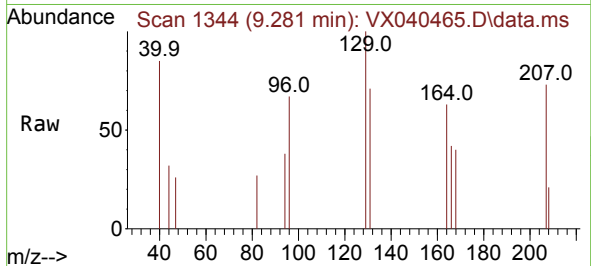




#60
Dibromochloromethane
Concen: 0.306 ug/l
RT: 9.281 min Scan# 1344
Delta R.T. -0.238 min
Lab File: VX040465.D
Acq: 26 Feb 2024 17:02

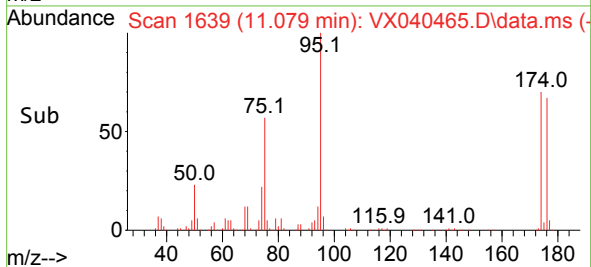
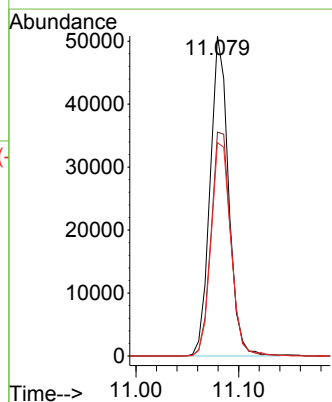
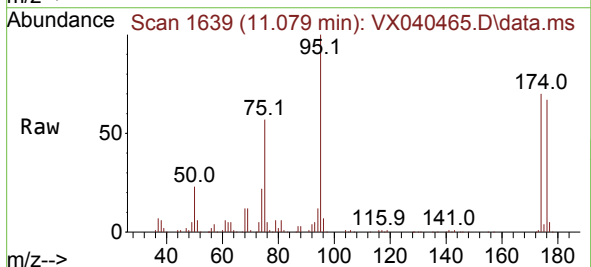
Instrument :
MSVOA_X
ClientSampleId :
RE115D1-20240222

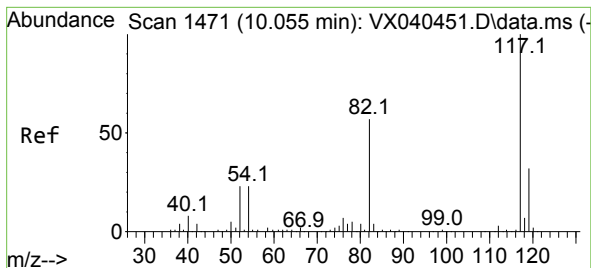
Tgt Ion:129 Resp: 314
Ion Ratio Lower Upper
129 100
127 0.0 38.8 116.4#



#62
4-Bromofluorobenzene
Concen: 51.579 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX040465.D
Acq: 26 Feb 2024 17:02

Tgt Ion: 95 Resp: 63405
Ion Ratio Lower Upper
95 100
174 74.9 0.0 135.6
176 71.7 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: VX040465.D

Acq: 26 Feb 2024 17:02

Instrument :

MSVOA_X

ClientSampleId :

RE115D1-20240222

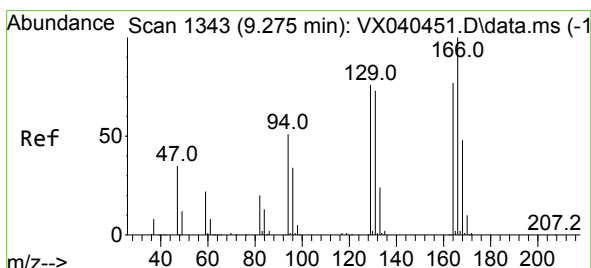
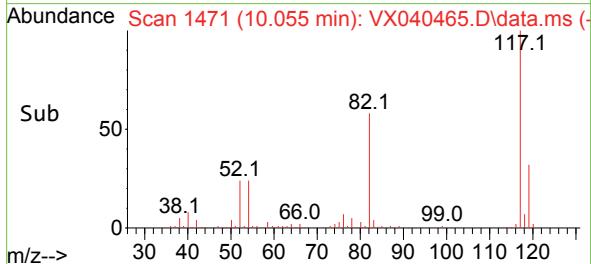
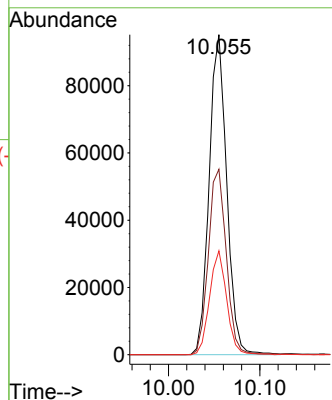
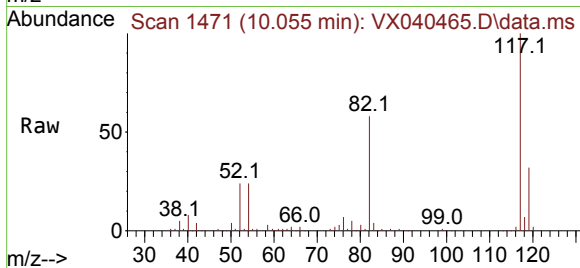
Tgt Ion:117 Resp: 126948

Ion Ratio Lower Upper

117 100

82 57.9 46.2 69.4

119 32.4 25.5 38.3



#64

Tetrachloroethene

Concen: 0.335 ug/l

RT: 9.287 min Scan# 1345

Delta R.T. 0.012 min

Lab File: VX040465.D

Acq: 26 Feb 2024 17:02

Tgt Ion:164 Resp: 299

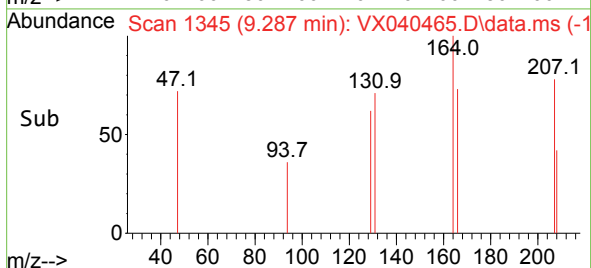
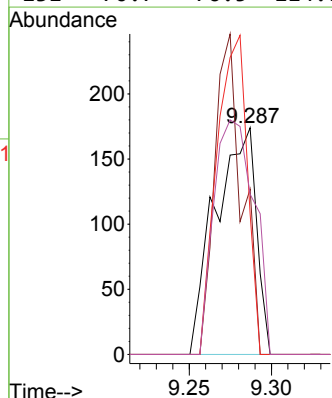
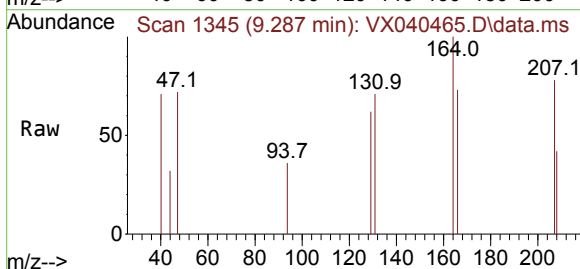
Ion Ratio Lower Upper

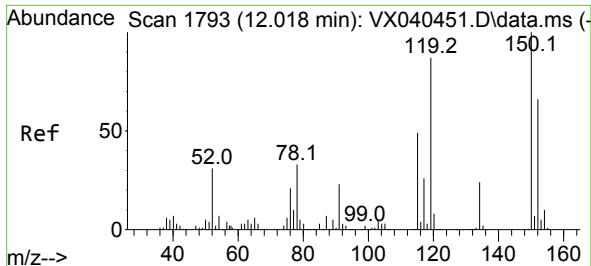
164 100

166 73.0 102.7 154.1#

129 62.1 80.4 120.6#

131 70.7 76.5 114.7#

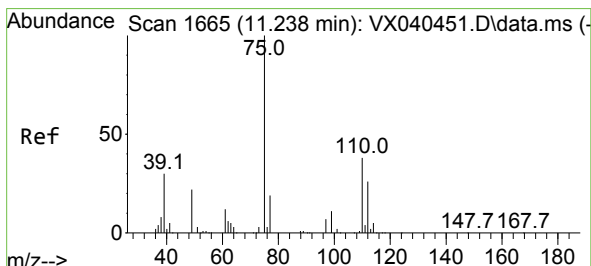
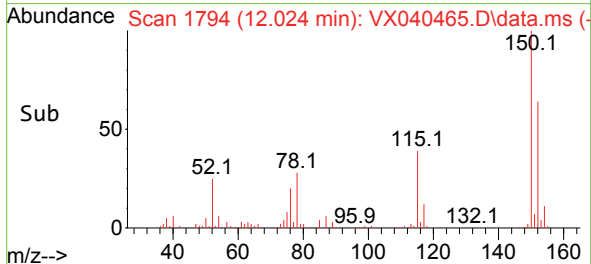
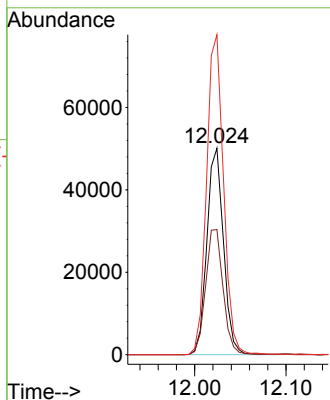
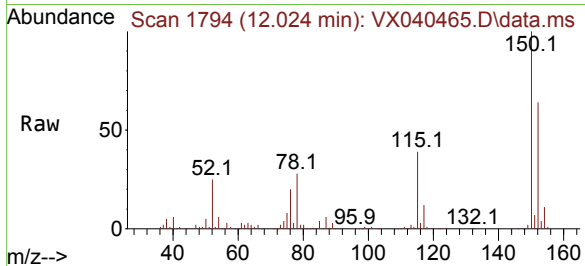




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX040465.D
Acq: 26 Feb 2024 17:02

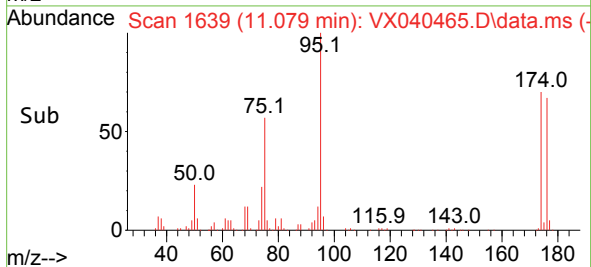
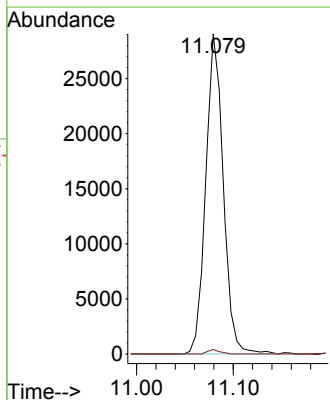
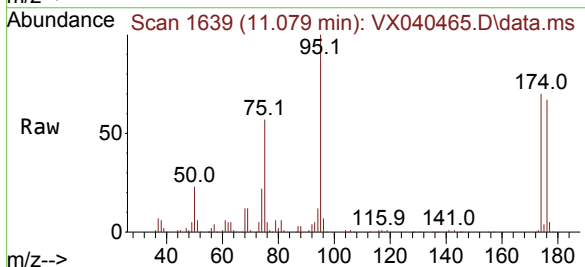
Instrument :
MSVOA_X
ClientSampleId :
RE115D1-20240222

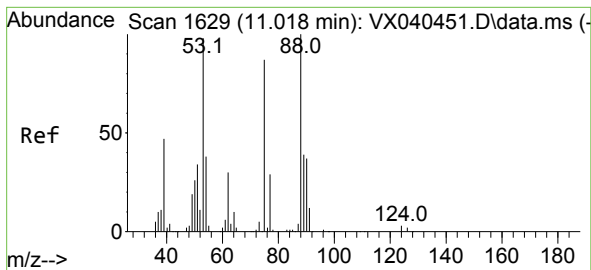
Tgt Ion:152 Resp: 63531
Ion Ratio Lower Upper
152 100
115 63.6 43.3 129.9
150 158.0 0.0 345.0



#76
1,2,3-Trichloropropane
Concen: 26.231 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX040465.D
Acq: 26 Feb 2024 17:02

Tgt Ion: 75 Resp: 36677
Ion Ratio Lower Upper
75 100
77 1.0 19.1 57.5#





#81
trans-1,4-Dichloro-2-butene
Concen: 76.300 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.061 min
Lab File: VX040465.D
Acq: 26 Feb 2024 17:02

Instrument :
MSVOA_X
ClientSampleId :
RE115D1-20240222

Tgt Ion: 75 Resp: 36677
Ion Ratio Lower Upper
75 100
53 0.0 90.5 135.7#
89 0.1 36.9 55.3#

