

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021624\
 Data File : VX040281.D
 Acq On : 16 Feb 2024 16:17
 Operator : JC/MD
 Sample : P1507-14
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 RE131D1-20240214

Quant Time: Feb 17 01:38:12 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

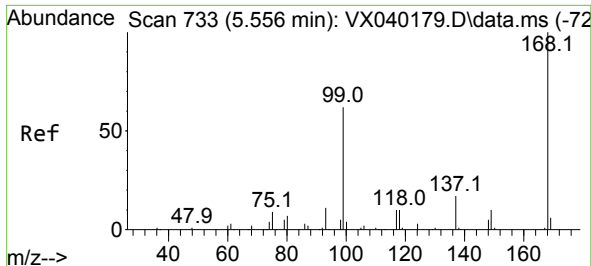
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	5.550	168	69241	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	118847	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	114357	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	56616	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	47193	45.814	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	91.620%		
35) Dibromofluoromethane	5.385	113	37628	45.337	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	90.680%		
50) Toluene-d8	8.647	98	145684	46.925	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	93.840%		
62) 4-Bromofluorobenzene	11.079	95	56211	44.394	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	88.780%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.167	85	180	0.230	ug/l	97
9) 1,1,2-Trichlorotrifluo...	2.331	101	3956	5.388	ug/l	97
12) 1,1-Dichloroethene	2.325	96	734	1.038	ug/l #	85
16) Acetone	2.380	43	711	1.681	ug/l	94
18) Methyl Acetate	2.538	43	317	0.280	ug/l #	53
19) Methyl tert-butyl Ether	3.105	73	2993	1.202	ug/l #	90
20) Methylene Chloride	2.794	84	228	Below Cal	#	42
24) 1,1-Dichloroethane	3.617	63	1084	0.748	ug/l #	78
27) cis-1,2-Dichloroethene	4.495	96	3480	3.789	ug/l	84
30) Chloroform	5.093	83	1788	1.141	ug/l	93
31) Cyclohexane	5.556	56	1605	1.306	ug/l #	1
36) 1,1-Dichloropropene	5.550	75	5496	4.727	ug/l #	49
38) Carbon Tetrachloride	5.550	117	6861	6.207	ug/l #	14
39) Methylcyclohexane	7.123	83	2697	1.996	ug/l #	1
44) Trichloroethene	7.123	130	211498	235.828	ug/l	98
49) 1,4-Dioxane	7.671	88	591	26.290	ug/l #	100
51) 4-Methyl-2-Pentanone	8.647	43	630	0.457	ug/l #	1
60) Dibromochloromethane	9.269	129	14106	15.243	ug/l #	11
64) Tetrachloroethene	9.275	164	14374	17.937	ug/l	91
76) 1,2,3-Trichloropropane	11.079	75	29783	25.977	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.079	75	29783	71.318	ug/l #	5

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

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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

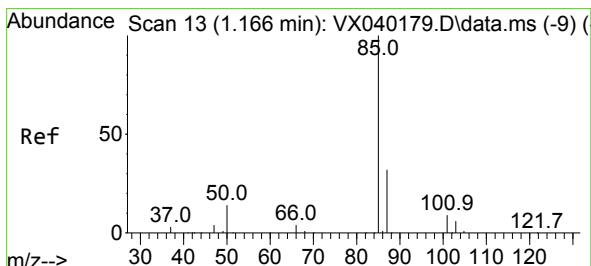
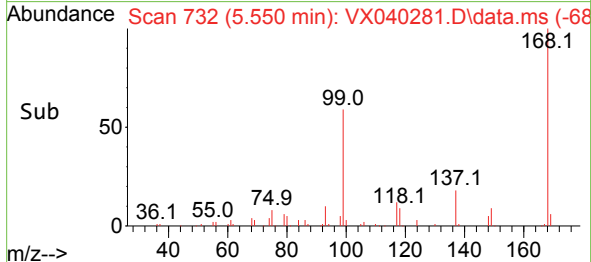
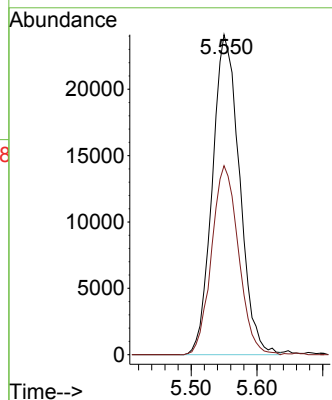
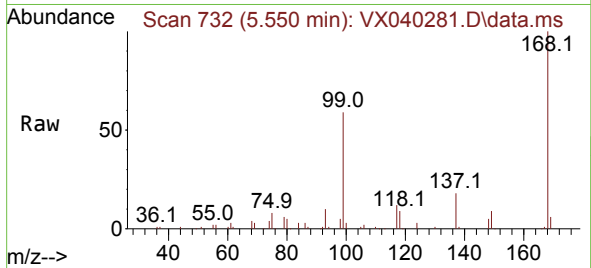




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX040281.D
Acq: 16 Feb 2024 16:17

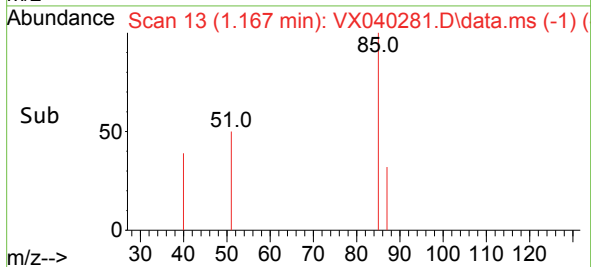
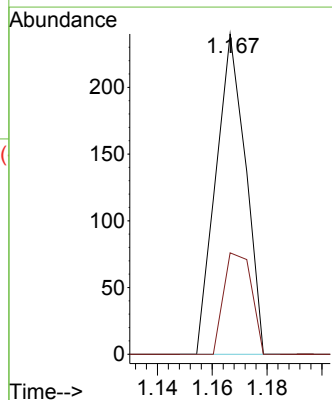
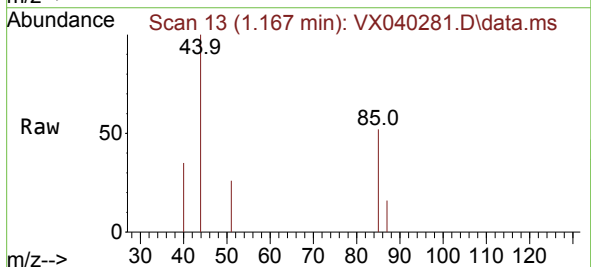
Instrument :
MSVOA_X
ClientSampleId :
RE131D1-20240214

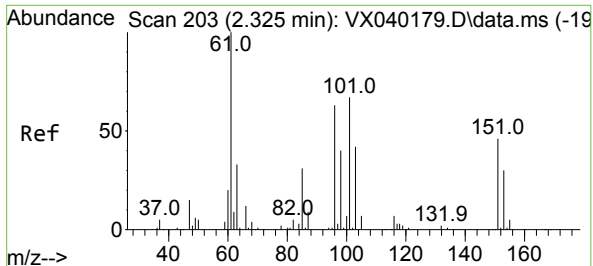
Tgt Ion:168 Resp: 69241
Ion Ratio Lower Upper
168 100
99 59.1 56.6 85.0



#2
Dichlorodifluoromethane
Concen: 0.230 ug/l
RT: 1.167 min Scan# 13
Delta R.T. 0.000 min
Lab File: VX040281.D
Acq: 16 Feb 2024 16:17

Tgt Ion: 85 Resp: 180
Ion Ratio Lower Upper
85 100
87 31.7 16.7 50.1

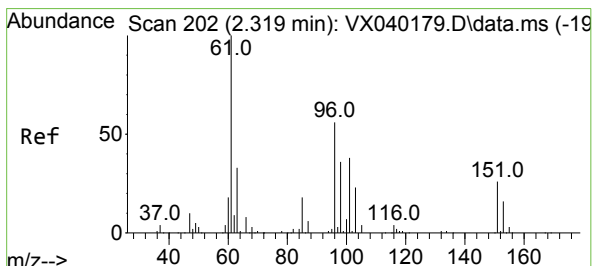
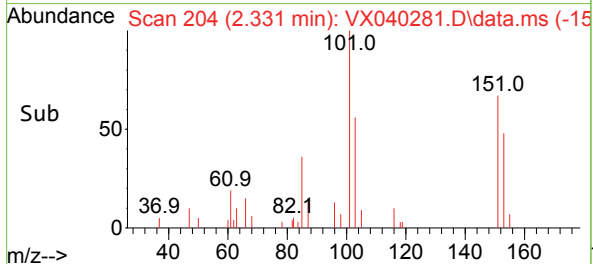
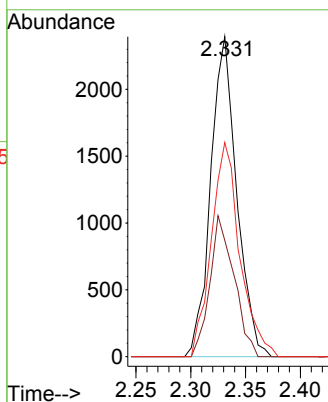
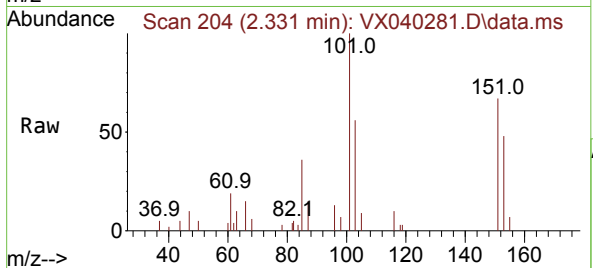




#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 5.388 ug/l
 RT: 2.331 min Scan# 20
 Delta R.T. 0.006 min
 Lab File: VX040281.D
 Acq: 16 Feb 2024 16:17

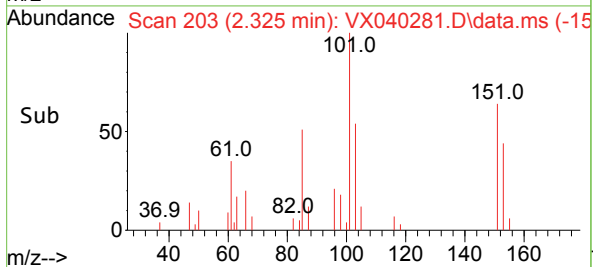
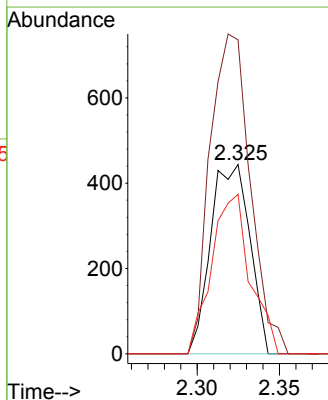
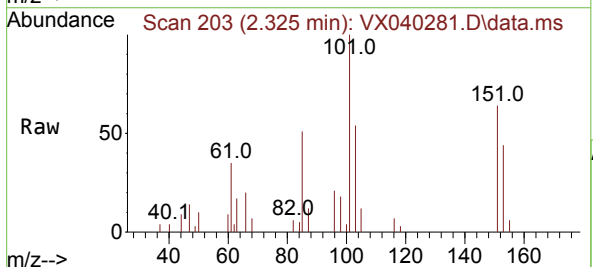
Instrument :
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 ClientSampleId :
 RE131D1-20240214

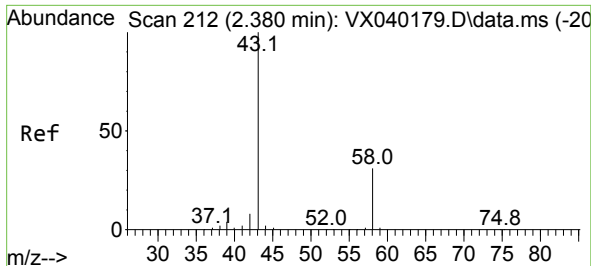
Tgt Ion:101 Resp: 3956
 Ion Ratio Lower Upper
 101 100
 85 40.9 37.0 55.6
 151 73.1 58.6 87.8



#12
 1,1-Dichloroethene
 Concen: 1.038 ug/l
 RT: 2.325 min Scan# 203
 Delta R.T. 0.006 min
 Lab File: VX040281.D
 Acq: 16 Feb 2024 16:17

Tgt Ion: 96 Resp: 734
 Ion Ratio Lower Upper
 96 100
 61 165.8 144.6 216.8
 98 84.2 50.4 75.6#

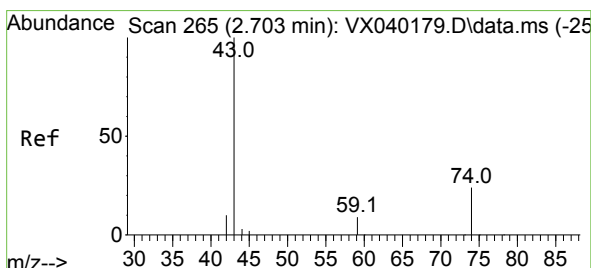
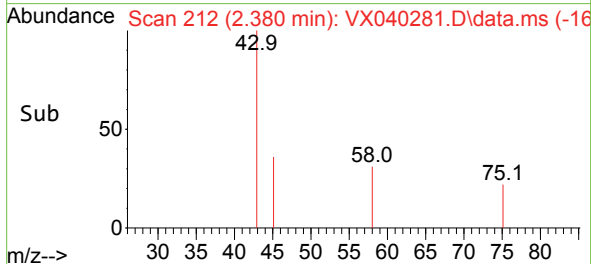
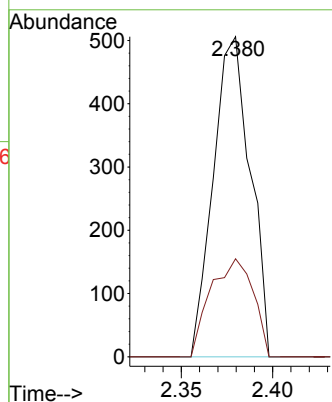
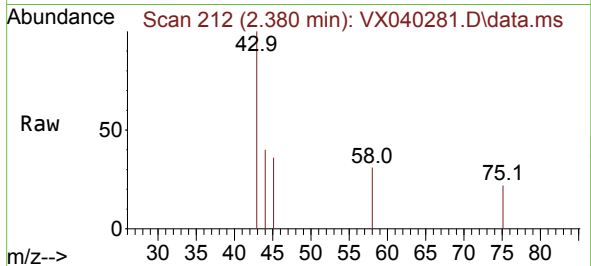




#16
Acetone
Concen: 1.681 ug/l
RT: 2.380 min Scan# 212
Delta R.T. 0.000 min
Lab File: VX040281.D
Acq: 16 Feb 2024 16:17

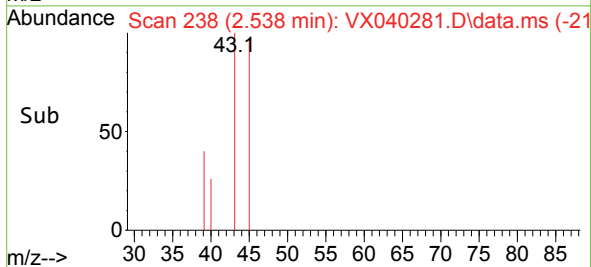
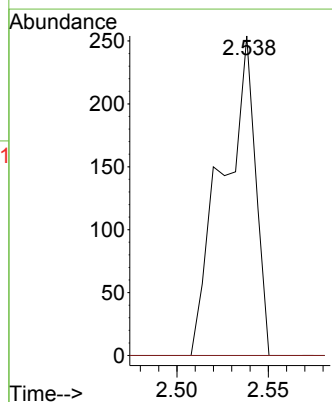
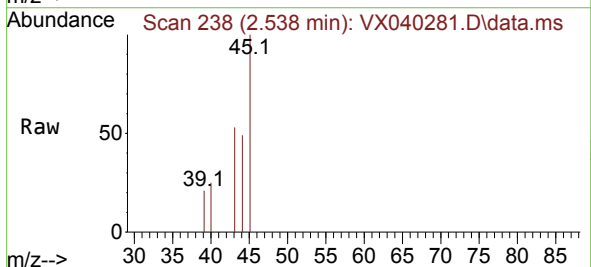
Instrument :
MSVOA_X
ClientSampleId :
RE131D1-20240214

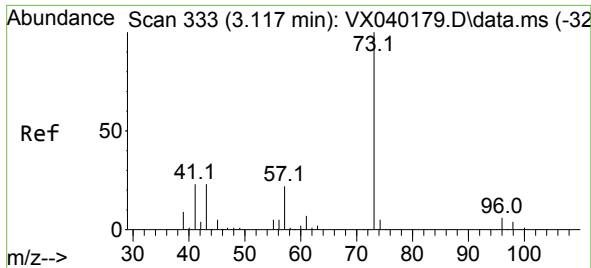
Tgt Ion: 43 Resp: 711
Ion Ratio Lower Upper
43 100
58 30.6 21.9 32.9



#18
Methyl Acetate
Concen: 0.280 ug/l
RT: 2.538 min Scan# 238
Delta R.T. -0.164 min
Lab File: VX040281.D
Acq: 16 Feb 2024 16:17

Tgt Ion: 43 Resp: 317
Ion Ratio Lower Upper
43 100
74 0.0 17.8 26.8#

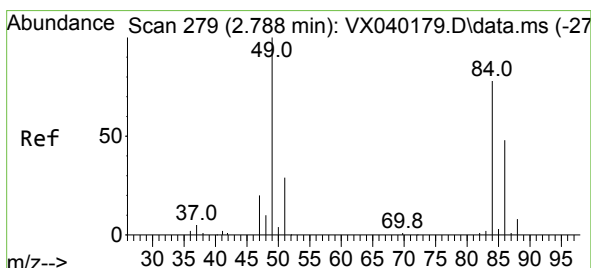
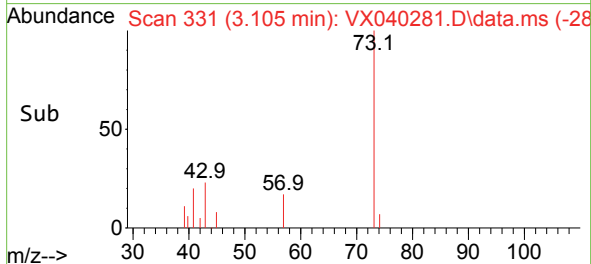
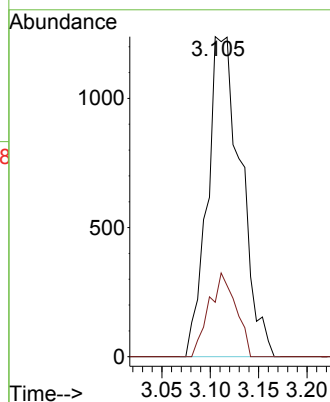
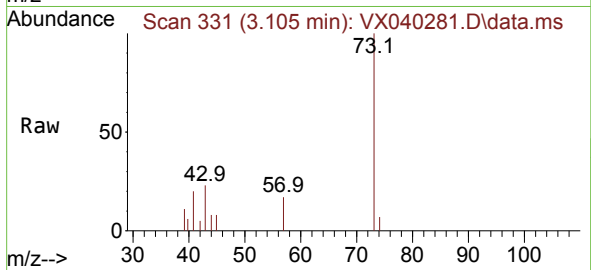




#19
Methyl tert-butyl Ether
Concen: 1.202 ug/l
RT: 3.105 min Scan# 31
Delta R.T. -0.012 min
Lab File: VX040281.D
Acq: 16 Feb 2024 16:17

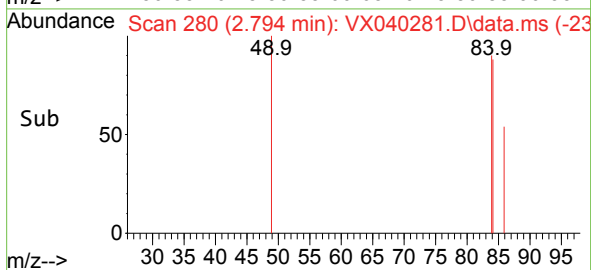
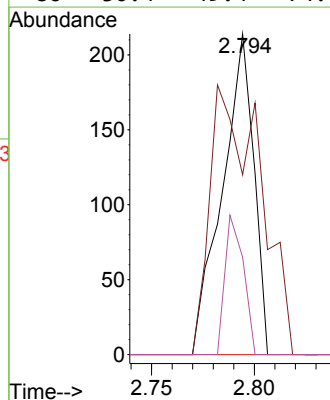
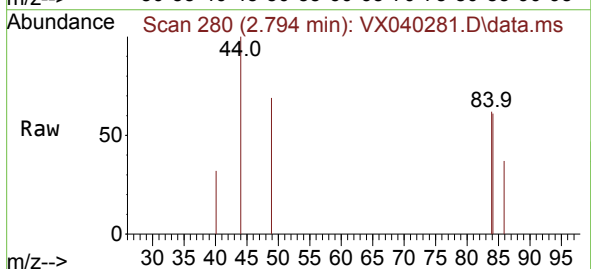
Instrument :
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ClientSampleId :
RE131D1-20240214

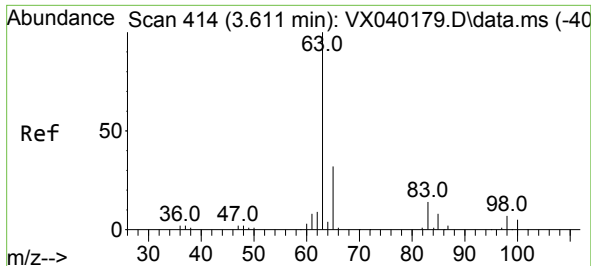
Tgt Ion: 73 Resp: 2993
Ion Ratio Lower Upper
73 100
57 17.0 17.3 25.9#



#20
Methylene Chloride
Concen: Below Cal
RT: 2.794 min Scan# 280
Delta R.T. 0.006 min
Lab File: VX040281.D
Acq: 16 Feb 2024 16:17

Tgt Ion: 84 Resp: 228
Ion Ratio Lower Upper
84 100
49 56.1 103.6 155.4#
51 0.0 33.8 50.6#
86 30.4 49.4 74.0#





#24

1,1-Dichloroethane

Concen: 0.748 ug/l

RT: 3.617 min Scan# 41

Delta R.T. 0.012 min

Lab File: VX040281.D

Acq: 16 Feb 2024 16:17

Instrument :

MSVOA_X

ClientSampleId :

RE131D1-20240214

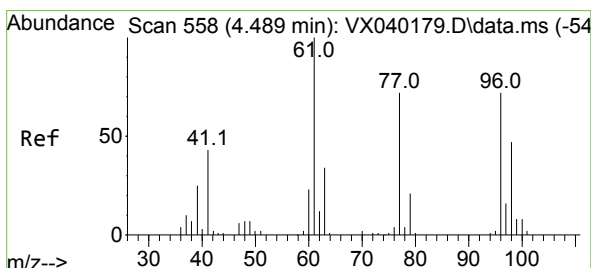
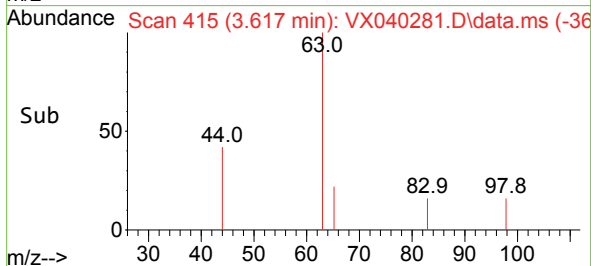
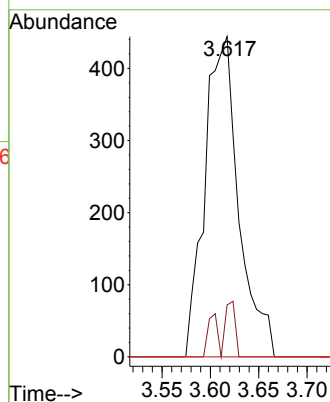
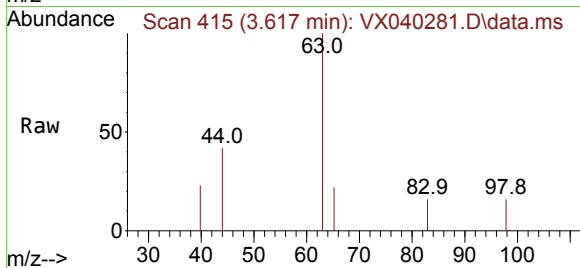
Tgt Ion: 63 Resp: 1084

Ion Ratio Lower Upper

63 100

98 16.2 3.3 9.8#

100 0.0 2.1 6.5#



#27

cis-1,2-Dichloroethene

Concen: 3.789 ug/l

RT: 4.495 min Scan# 559

Delta R.T. 0.006 min

Lab File: VX040281.D

Acq: 16 Feb 2024 16:17

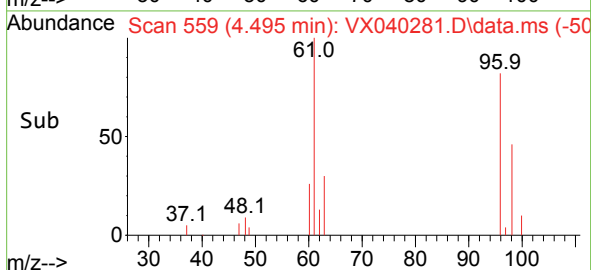
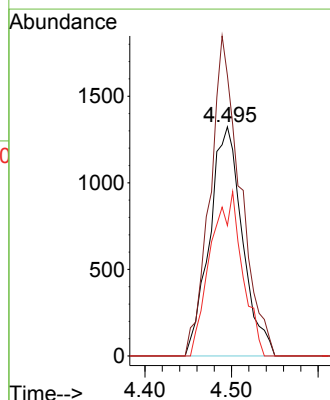
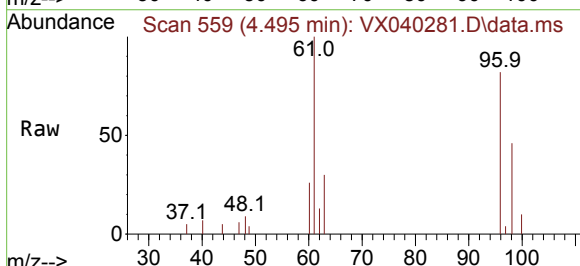
Tgt Ion: 96 Resp: 3480

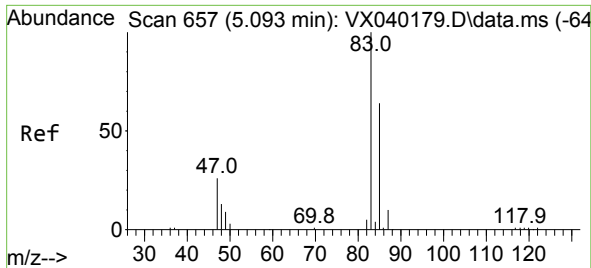
Ion Ratio Lower Upper

96 100

61 129.3 0.0 312.2

98 69.6 0.0 129.0

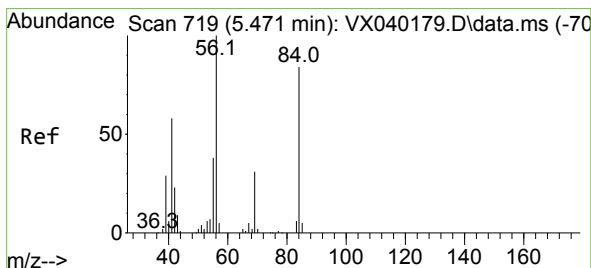
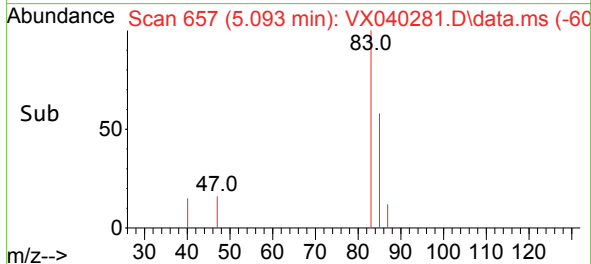
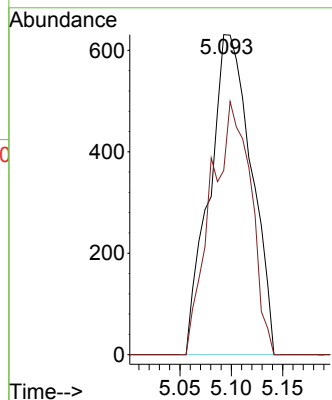
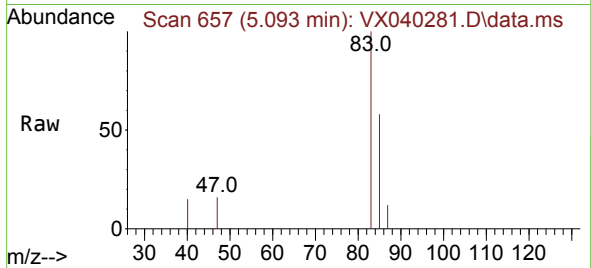




#30
Chloroform
Concen: 1.141 ug/l
RT: 5.093 min Scan# 61
Delta R.T. -0.006 min
Lab File: VX040281.D
Acq: 16 Feb 2024 16:17

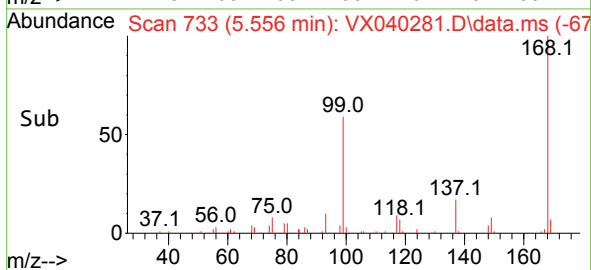
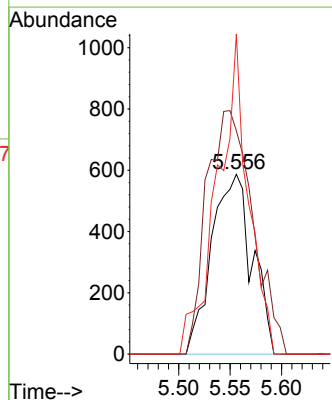
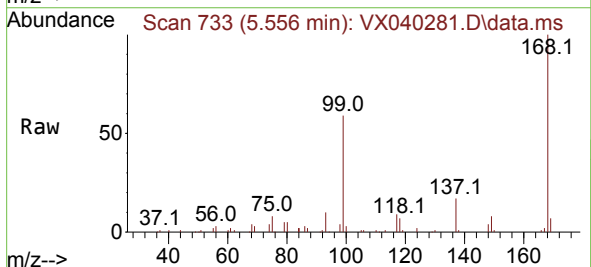
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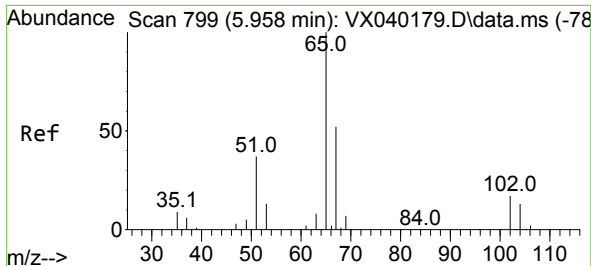
Tgt Ion: 83 Resp: 1788
Ion Ratio Lower Upper
83 100
85 57.5 50.3 75.5



#31
Cyclohexane
Concen: 1.306 ug/l
RT: 5.556 min Scan# 733
Delta R.T. 0.086 min
Lab File: VX040281.D
Acq: 16 Feb 2024 16:17

Tgt Ion: 56 Resp: 1605
Ion Ratio Lower Upper
56 100
69 124.2 23.4 35.2#
84 178.0 65.9 98.9#

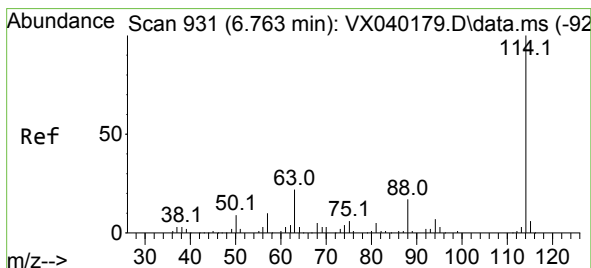
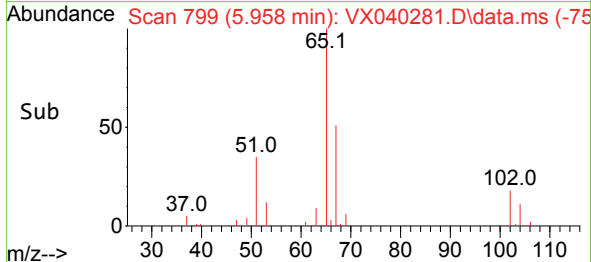
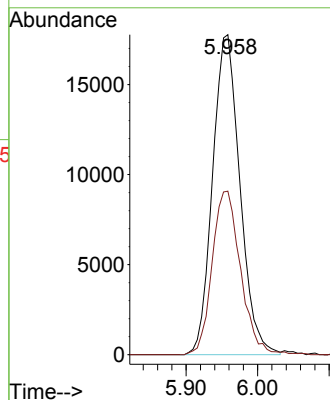
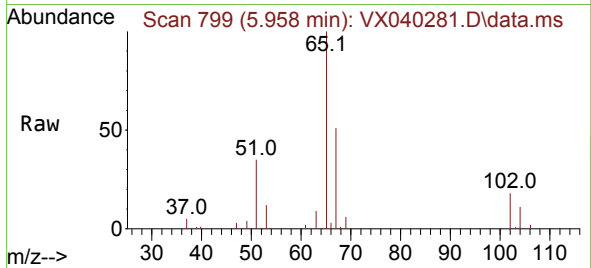




#33
 1,2-Dichloroethane-d4
 Concen: 45.814 ug/l
 RT: 5.958 min Scan# 799
 Delta R.T. 0.000 min
 Lab File: VX040281.D
 Acq: 16 Feb 2024 16:17

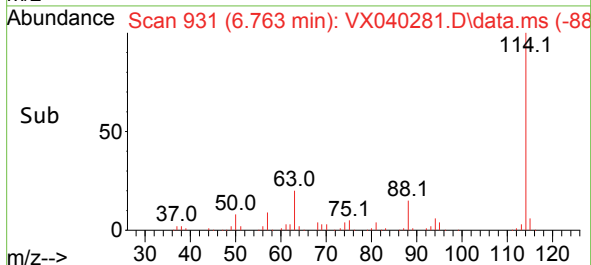
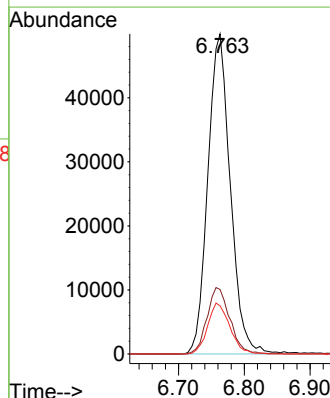
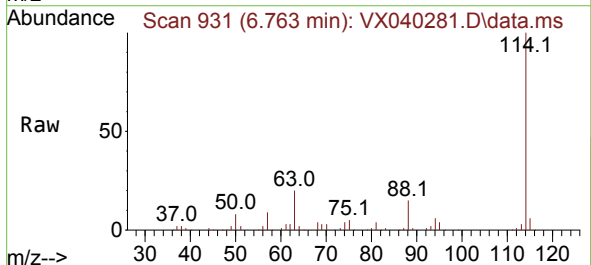
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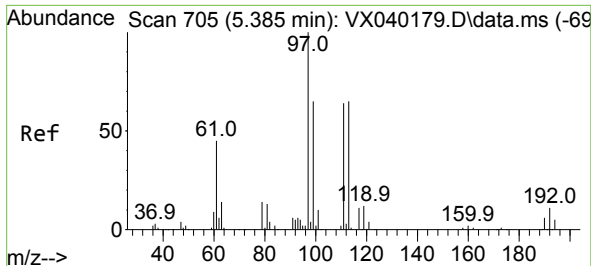
Tgt Ion: 65 Resp: 47193
 Ion Ratio Lower Upper
 65 100
 67 53.2 0.0 100.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.763 min Scan# 931
 Delta R.T. 0.000 min
 Lab File: VX040281.D
 Acq: 16 Feb 2024 16:17

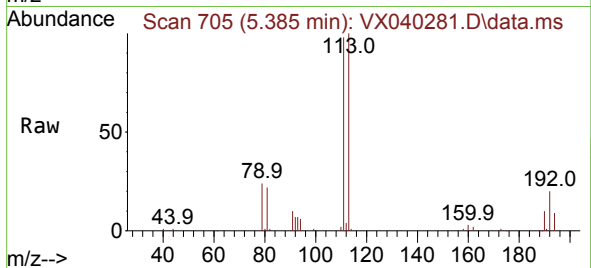
Tgt Ion: 114 Resp: 118847
 Ion Ratio Lower Upper
 114 100
 63 20.2 0.0 45.0
 88 15.1 0.0 36.6



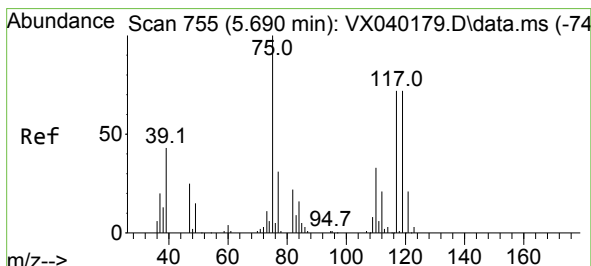
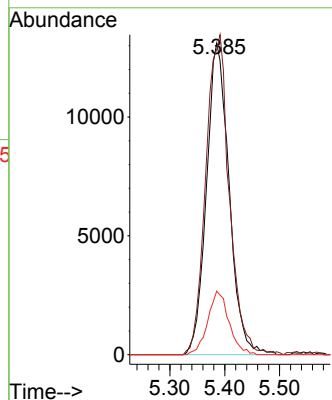
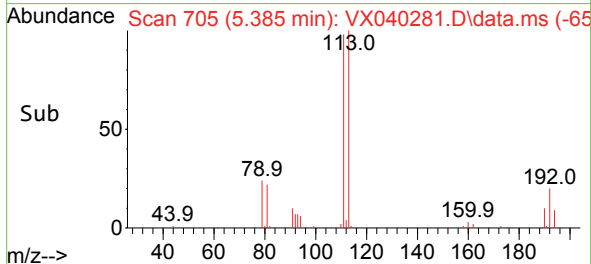


#35
Dibromofluoromethane
Concen: 45.337 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX040281.D
Acq: 16 Feb 2024 16:17

Instrument :
MSVOA_X
ClientSampleId :
RE131D1-20240214

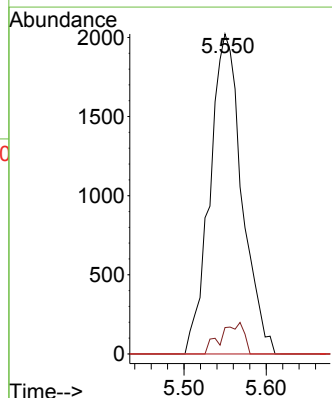
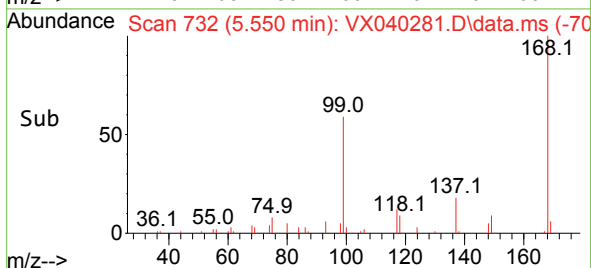
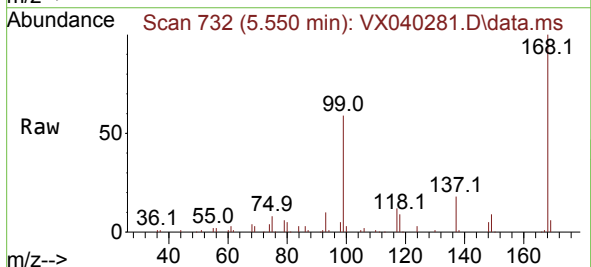


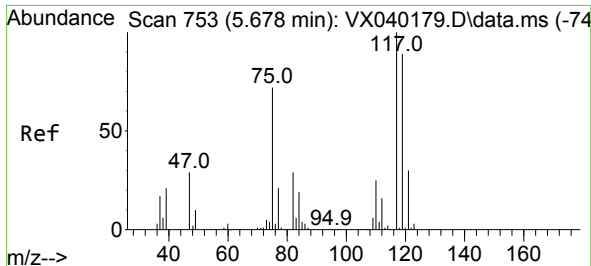
Tgt Ion:113 Resp: 37628
Ion Ratio Lower Upper
113 100
111 106.7 82.9 124.3
192 19.1 13.3 19.9



#36
1,1-Dichloropropene
Concen: 4.727 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.146 min
Lab File: VX040281.D
Acq: 16 Feb 2024 16:17

Tgt Ion: 75 Resp: 5496
Ion Ratio Lower Upper
75 100
110 7.1 17.0 50.9#
77 0.0 24.7 37.1#





#38

Carbon Tetrachloride

Concen: 6.207 ug/l

RT: 5.550 min Scan# 71

Delta R.T. -0.122 min

Lab File: VX040281.D

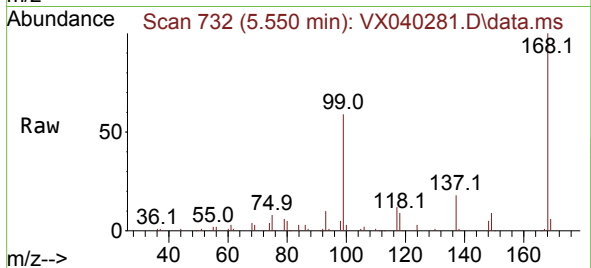
Acq: 16 Feb 2024 16:17

Instrument :

MSVOA_X

ClientSampleId :

RE131D1-20240214



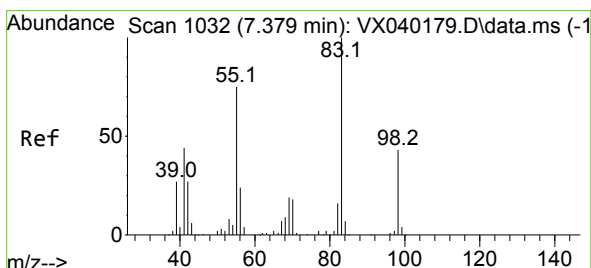
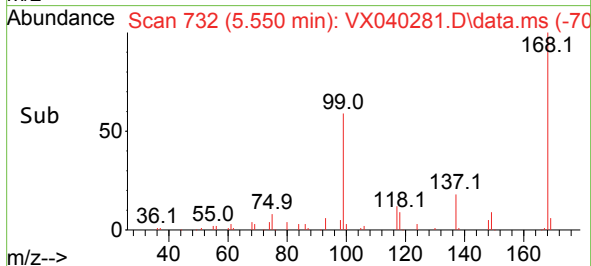
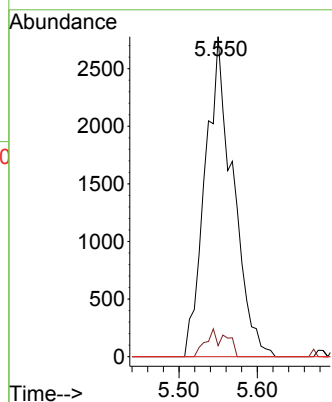
Tgt Ion:117 Resp: 6861

Ion Ratio Lower Upper

117 100

119 3.5 78.2 117.2#

121 0.0 24.4 36.6#



#39

Methylcyclohexane

Concen: 1.996 ug/l

RT: 7.123 min Scan# 990

Delta R.T. -0.256 min

Lab File: VX040281.D

Acq: 16 Feb 2024 16:17

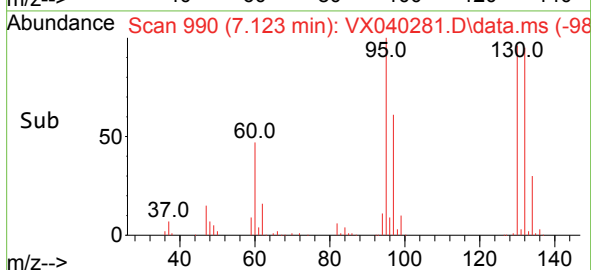
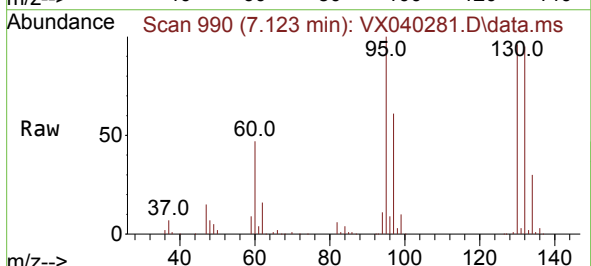
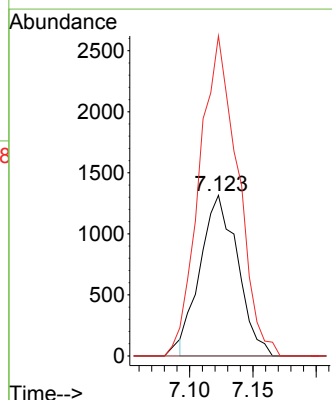
Tgt Ion: 83 Resp: 2697

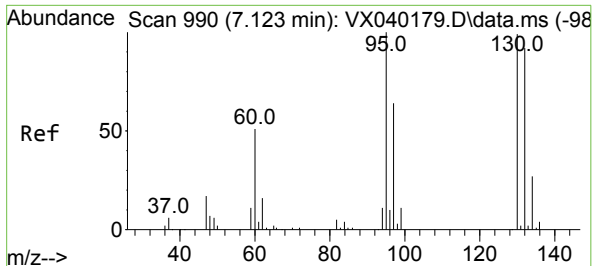
Ion Ratio Lower Upper

83 100

55 0.0 64.6 97.0#

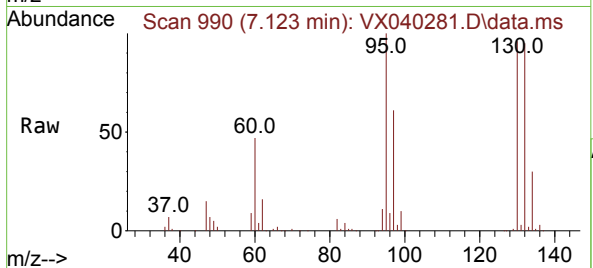
98 199.3 36.7 55.1#



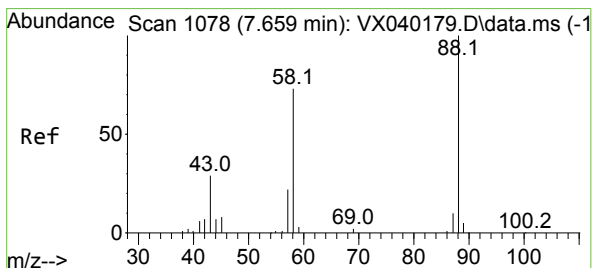
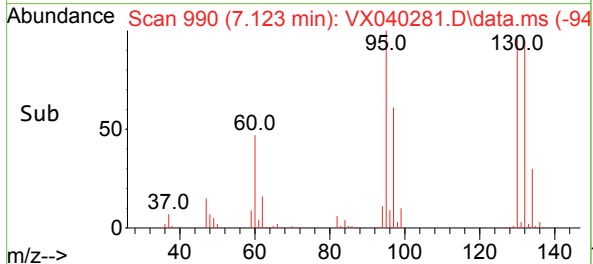
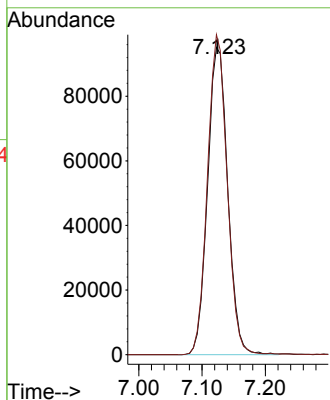


#44
Trichloroethene
Concen: 235.828 ug/l
RT: 7.123 min Scan# 990
Delta R.T. -0.006 min
Lab File: VX040281.D
Acq: 16 Feb 2024 16:17

Instrument :
MSVOA_X
ClientSampleId :
RE131D1-20240214

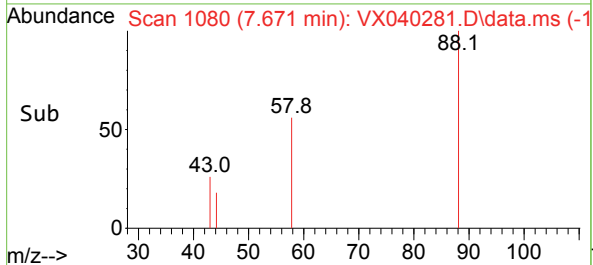
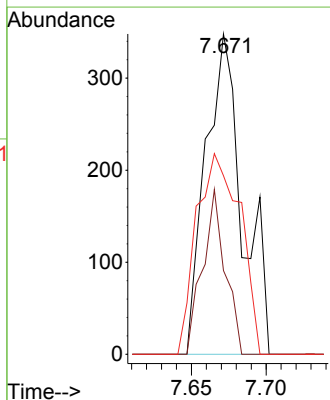
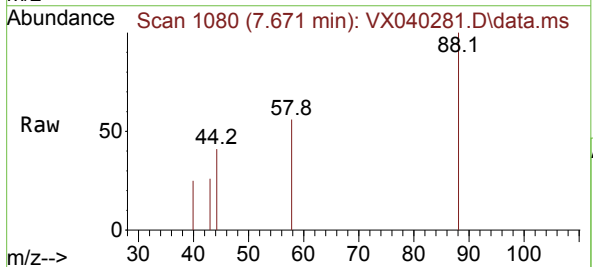


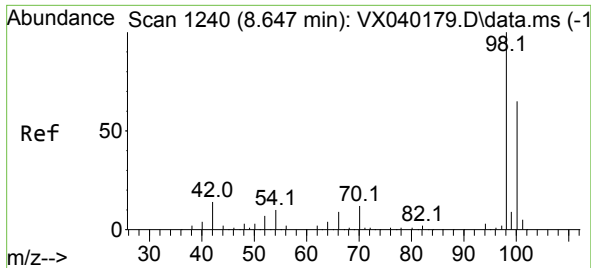
Tgt Ion:130 Resp: 211498
Ion Ratio Lower Upper
130 100
95 104.2 0.0 204.4



#49
1,4-Dioxane
Concen: 26.290 ug/l
RT: 7.671 min Scan# 1080
Delta R.T. 0.012 min
Lab File: VX040281.D
Acq: 16 Feb 2024 16:17

Tgt Ion: 88 Resp: 591
Ion Ratio Lower Upper
88 100
43 31.6 0.0 0.0#
58 75.0 60.1 90.1

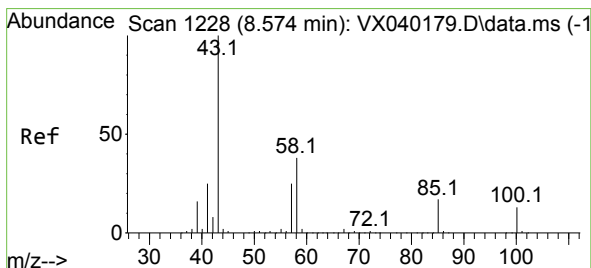
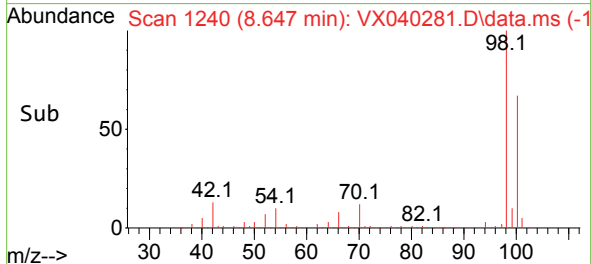
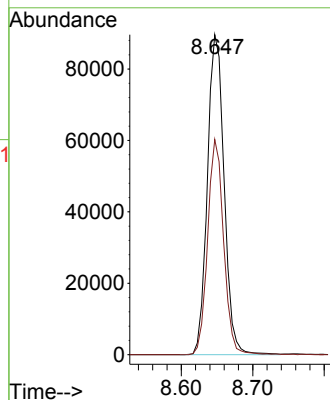
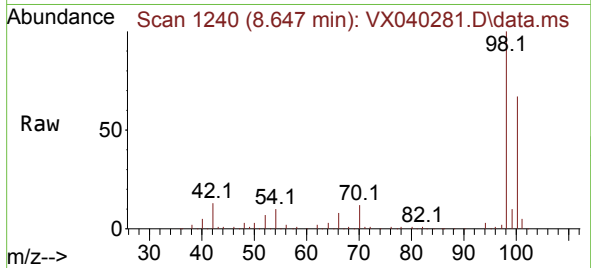




#50
Toluene-d8
Concen: 46.925 ug/l
RT: 8.647 min Scan# 11
Delta R.T. -0.006 min
Lab File: VX040281.D
Acq: 16 Feb 2024 16:17

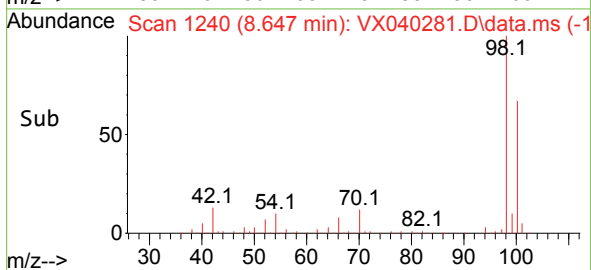
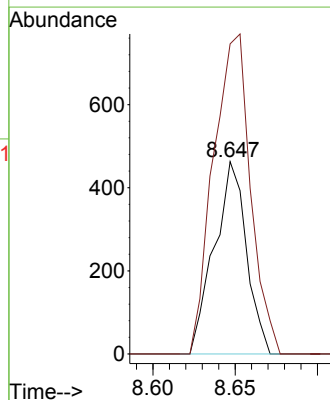
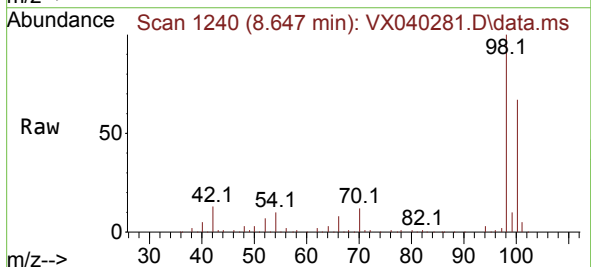
Instrument :
MSVOA_X
ClientSampleId :
RE131D1-20240214

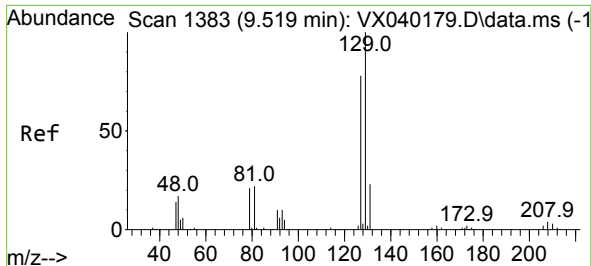
Tgt Ion: 98 Resp: 145684
Ion Ratio Lower Upper
98 100
100 64.3 53.1 79.7



#51
4-Methyl-2-Pentanone
Concen: 0.457 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.073 min
Lab File: VX040281.D
Acq: 16 Feb 2024 16:17

Tgt Ion: 43 Resp: 630
Ion Ratio Lower Upper
43 100
58 191.7 30.4 45.6#

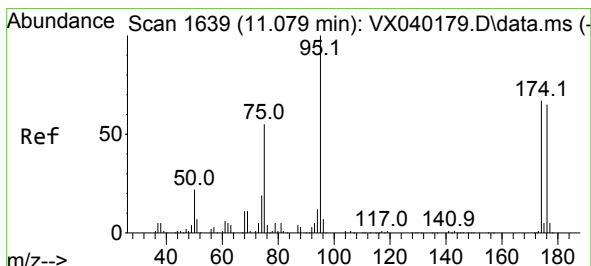
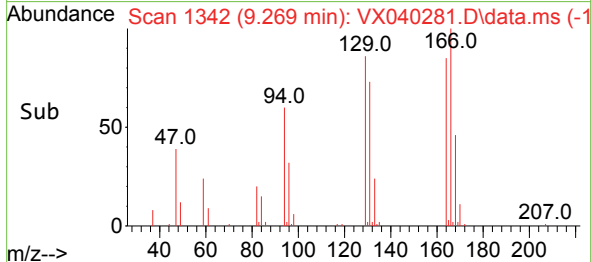
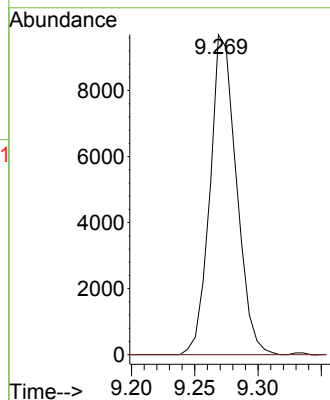
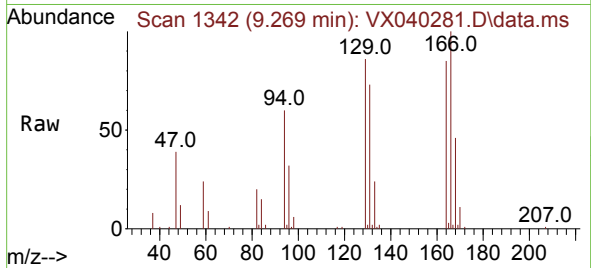




#60
Dibromochloromethane
Concen: 15.243 ug/l
RT: 9.269 min Scan# 11
Delta R.T. -0.250 min
Lab File: VX040281.D
Acq: 16 Feb 2024 16:17

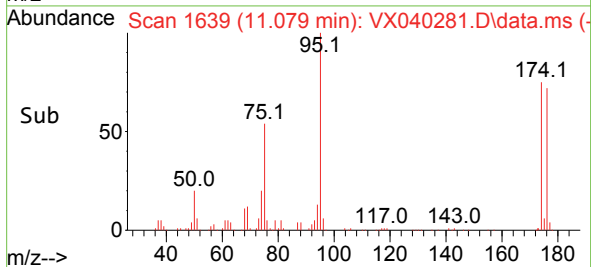
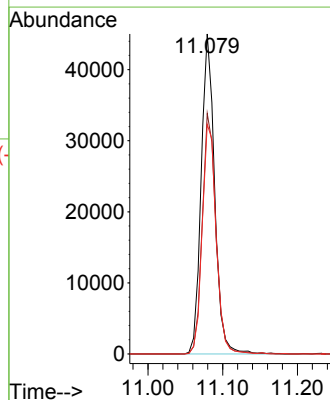
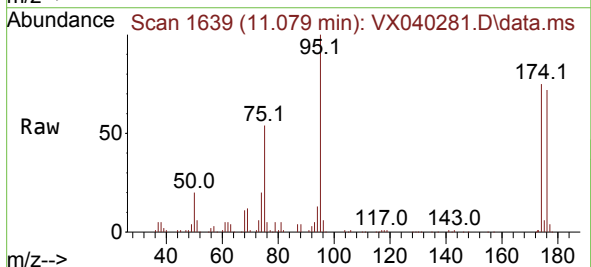
Instrument :
MSVOA_X
ClientSampleId :
RE131D1-20240214

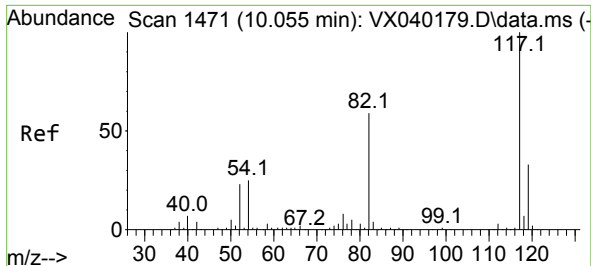
Tgt Ion:129 Resp: 14106
Ion Ratio Lower Upper
129 100
127 0.0 38.8 116.4#



#62
4-Bromofluorobenzene
Concen: 44.394 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX040281.D
Acq: 16 Feb 2024 16:17

Tgt Ion: 95 Resp: 56211
Ion Ratio Lower Upper
95 100
174 76.5 0.0 135.6
176 74.3 0.0 131.0

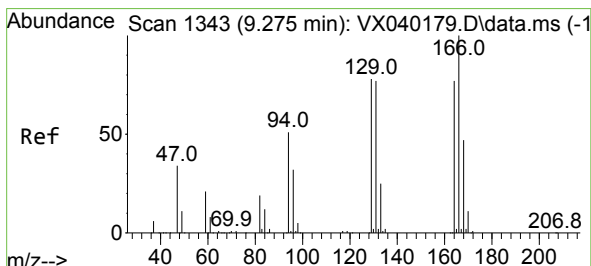
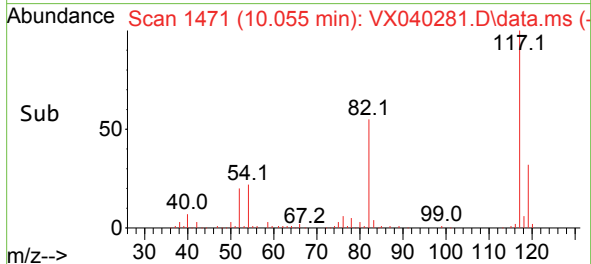
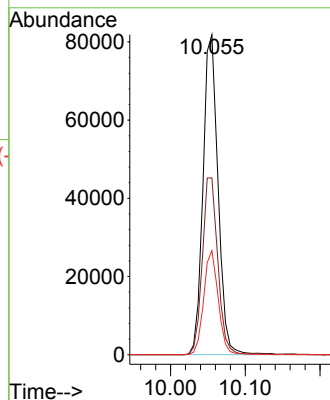
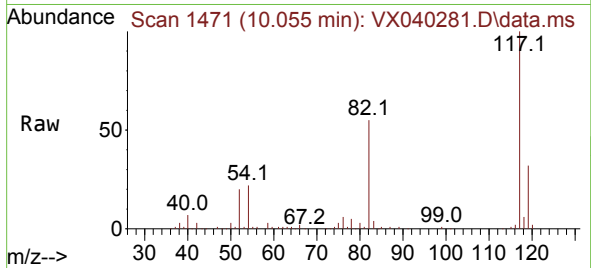




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX040281.D
Acq: 16 Feb 2024 16:17

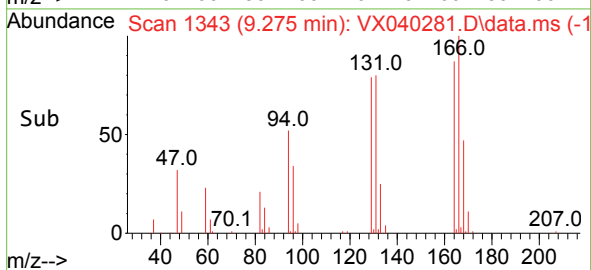
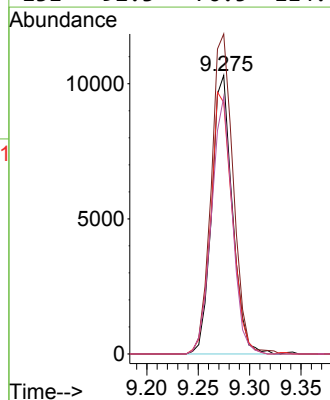
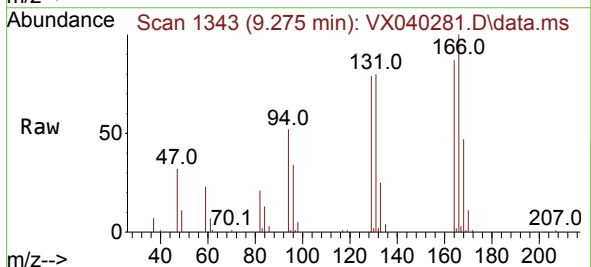
Instrument :
MSVOA_X
ClientSampleId :
RE131D1-20240214

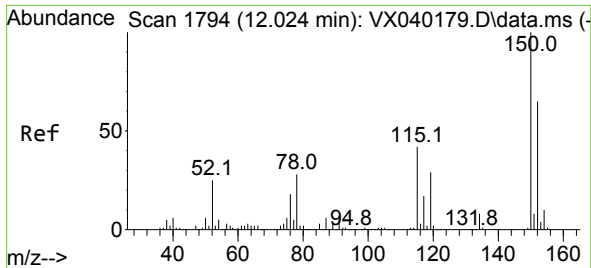
Tgt Ion:117 Resp: 114357
Ion Ratio Lower Upper
117 100
82 55.3 46.2 69.4
119 32.5 25.5 38.3



#64
Tetrachloroethene
Concen: 17.937 ug/l
RT: 9.275 min Scan# 1343
Delta R.T. 0.000 min
Lab File: VX040281.D
Acq: 16 Feb 2024 16:17

Tgt Ion:164 Resp: 14374
Ion Ratio Lower Upper
164 100
166 114.9 102.7 154.1
129 90.3 80.4 120.6
131 92.3 76.5 114.7

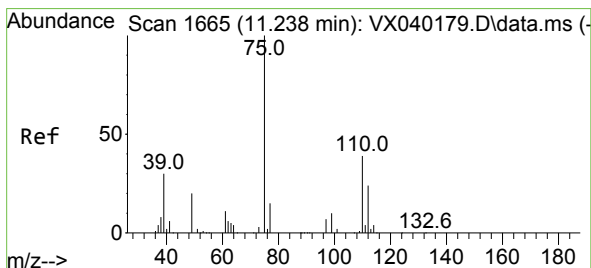
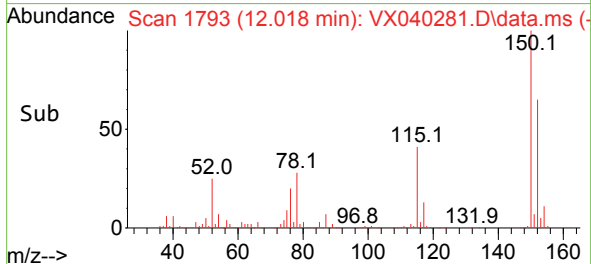
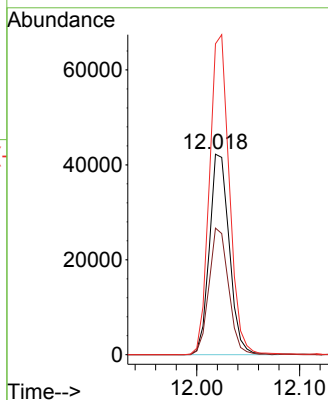
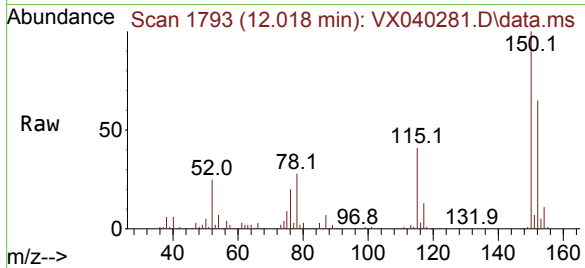




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.018 min Scan# 1
 Delta R.T. -0.006 min
 Lab File: VX040281.D
 Acq: 16 Feb 2024 16:17

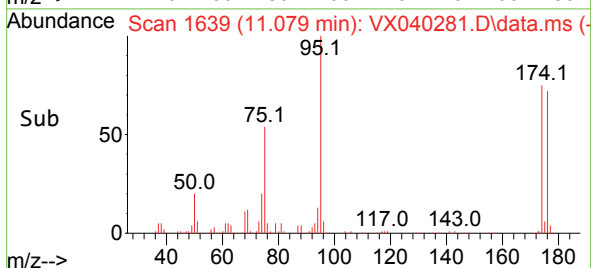
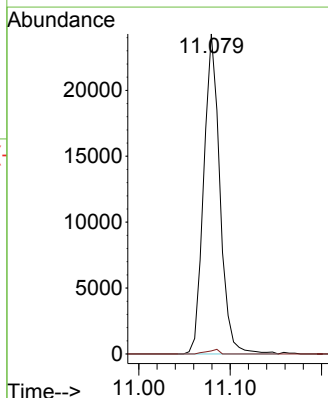
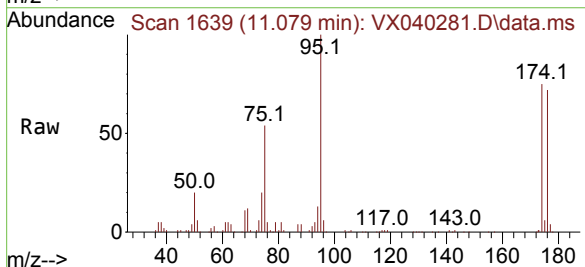
Instrument :
 MSVOA_X
 ClientSampleId :
 RE131D1-20240214

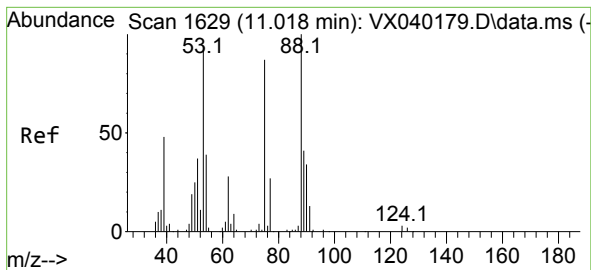
Tgt Ion:152 Resp: 56616
 Ion Ratio Lower Upper
 152 100
 115 62.1 43.3 129.9
 150 160.1 0.0 345.0



#76
 1,2,3-Trichloropropane
 Concen: 25.977 ug/l
 RT: 11.079 min Scan# 1639
 Delta R.T. -0.158 min
 Lab File: VX040281.D
 Acq: 16 Feb 2024 16:17

Tgt Ion: 75 Resp: 29783
 Ion Ratio Lower Upper
 75 100
 77 1.0 19.1 57.5#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 71.318 ug/l
 RT: 11.079 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX040281.D
 Acq: 16 Feb 2024 16:17

Instrument :
 MSVOA_X
 ClientSampleId :
 RE131D1-20240214

Tgt Ion: 75 Resp: 29783
 Ion Ratio Lower Upper
 75 100
 53 0.0 90.5 135.7#
 89 0.0 36.9 55.3#

