

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021624\
 Data File : VX040267.D
 Acq On : 16 Feb 2024 10:56
 Operator : JC/MD
 Sample : P1507-07 20X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 RE132D7-20240214

Quant Time: Feb 17 01:31:32 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)

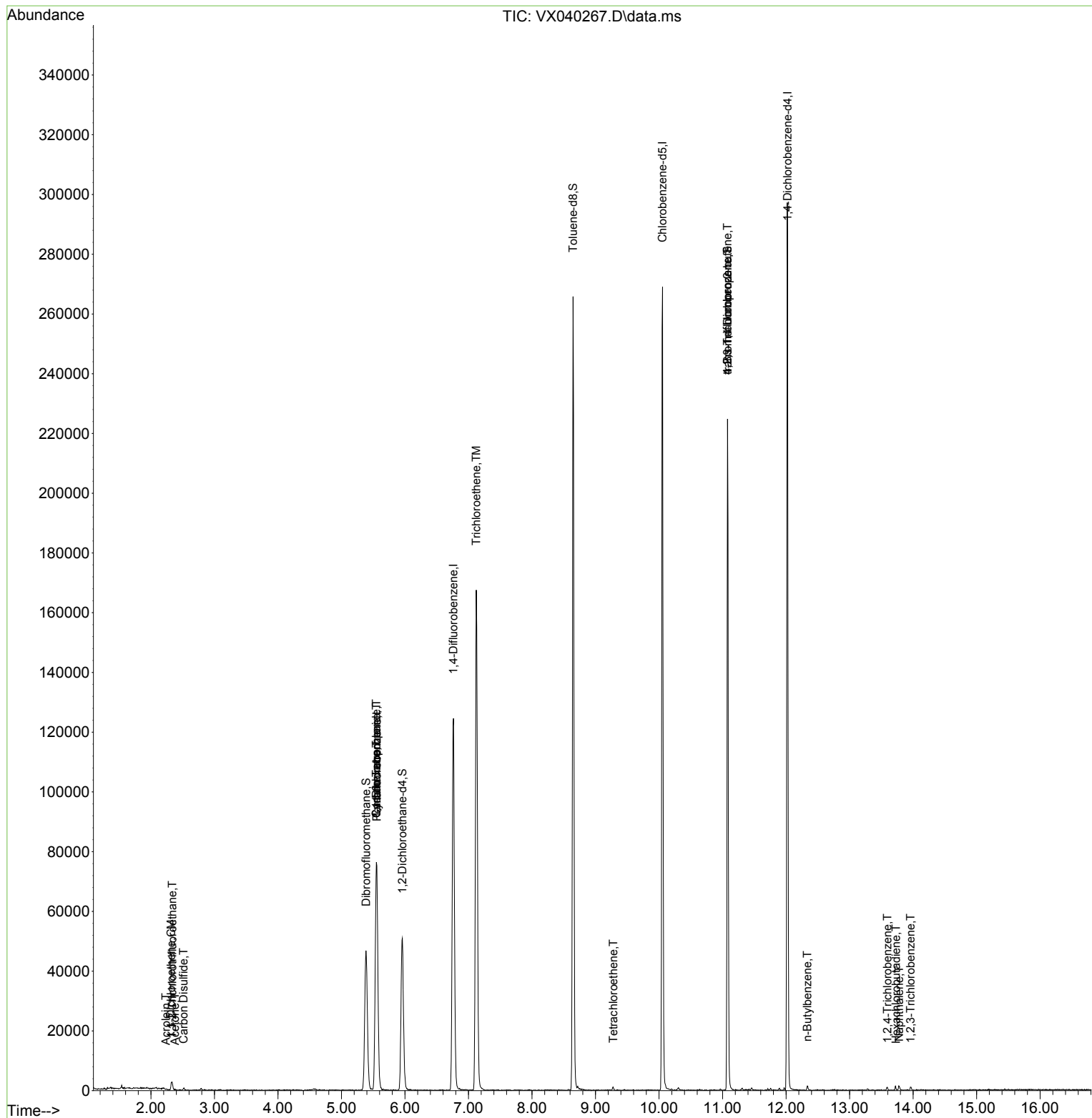
Internal Standards						
1) Pentafluorobenzene	5.556	168	73724	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.763	114	126571	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	120546	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	61108	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	50378	45.932	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	91.860%
35) Dibromofluoromethane	5.385	113	41063	46.456	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	92.920%
50) Toluene-d8	8.647	98	155081	46.903	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	93.800%
62) 4-Bromofluorobenzene	11.079	95	59974	44.475	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	88.960%
Target Compounds						
						Qvalue
9) 1,1,2-Trichlorotrifluo...	2.337	101	1061	1.357	ug/l	98
12) 1,1-Dichloroethene	2.318	96	307	0.408	ug/l	# 68
13) Acrolein	2.233	56	98	0.497	ug/l	# 14
16) Acetone	2.379	43	215	0.477	ug/l	# 47
17) Carbon Disulfide	2.514	76	634	0.319	ug/l	# 76
20) Methylene Chloride	2.794	84	290	Below Cal	#	36
31) Cyclohexane	5.550	56	1881	1.438	ug/l	# 1
36) 1,1-Dichloropropene	5.550	75	6078	4.909	ug/l	# 51
38) Carbon Tetrachloride	5.550	117	7522	6.389	ug/l	# 17
44) Trichloroethene	7.122	130	62530	65.468	ug/l	99
64) Tetrachloroethene	9.281	164	196	0.232	ug/l	# 63
76) 1,2,3-Trichloropropane	11.079	75	30978	25.034	ug/l	# 39
81) trans-1,4-Dichloro-2-b...	11.079	75	30978	68.856	ug/l	# 5
89) n-Butylbenzene	12.335	91	733	0.203	ug/l	96
93) 1,2,4-Trichlorobenzene	13.597	180	439	0.329	ug/l	82
94) Hexachlorobutadiene	13.731	225	353	0.663	ug/l	82
95) Naphthalene	13.780	128	1495	0.355	ug/l	# 86
96) 1,2,3-Trichlorobenzene	13.963	180	437	0.343	ug/l	94

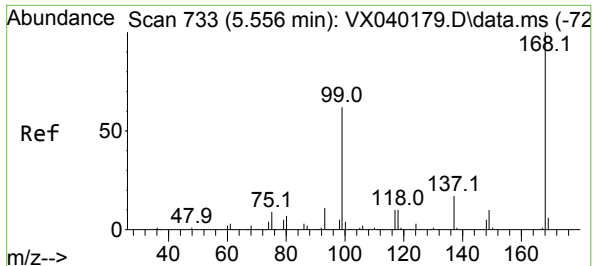
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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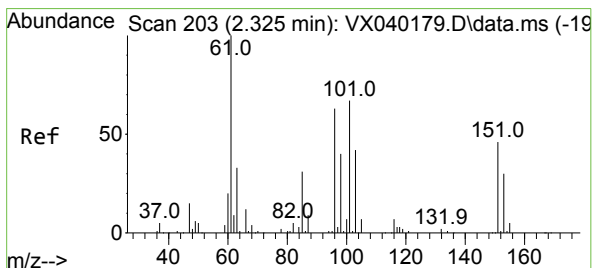
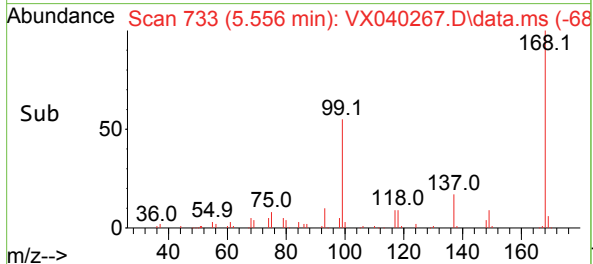
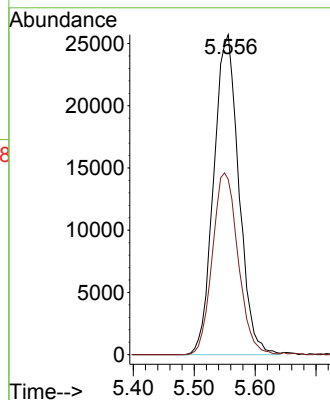
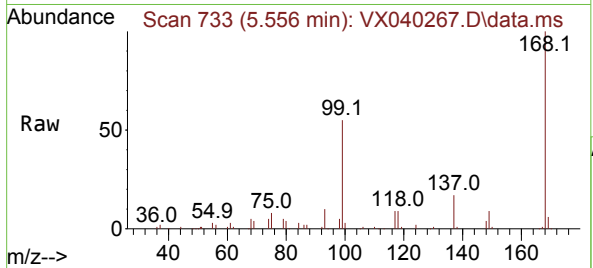




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX040267.D
Acq: 16 Feb 2024 10:56

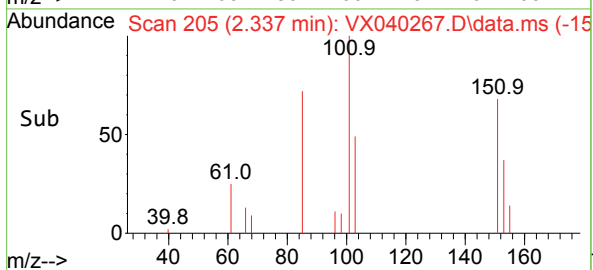
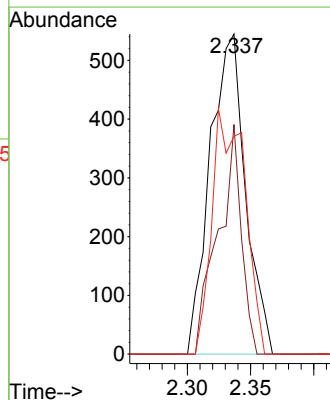
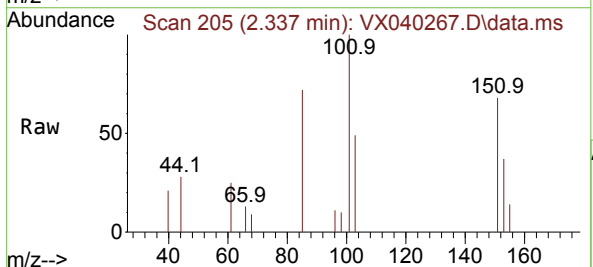
Instrument :
MSVOA_X
ClientSampleId :
RE132D7-20240214

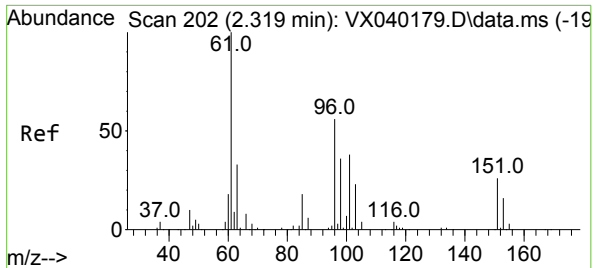
Tgt Ion:168 Resp: 73724
Ion Ratio Lower Upper
168 100
99 54.8 56.6 85.0#



#9
1,1,2-Trichlorotrifluoroethane
Concen: 1.357 ug/l
RT: 2.337 min Scan# 205
Delta R.T. 0.012 min
Lab File: VX040267.D
Acq: 16 Feb 2024 10:56

Tgt Ion:101 Resp: 1061
Ion Ratio Lower Upper
101 100
85 47.0 37.0 55.6
151 71.4 58.6 87.8





#12

1,1-Dichloroethene

Concen: 0.408 ug/l

RT: 2.318 min Scan# 20

Delta R.T. -0.000 min

Lab File: VX040267.D

Acq: 16 Feb 2024 10:56

Instrument :

MSVOA_X

ClientSampleId :

RE132D7-20240214

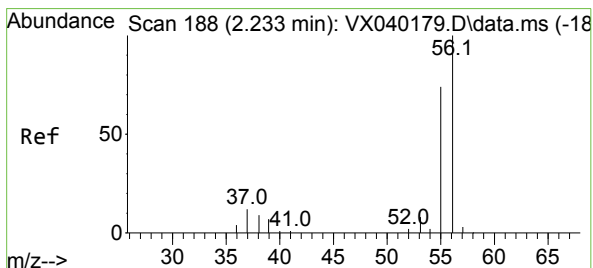
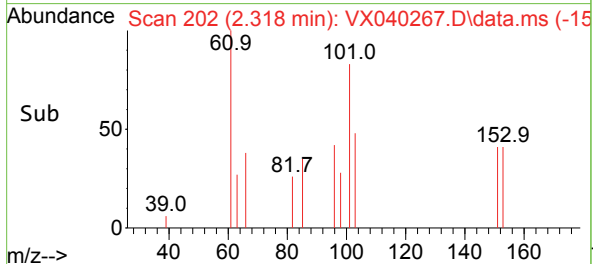
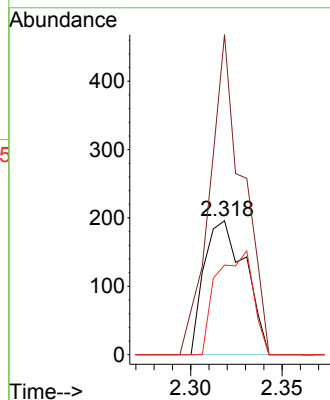
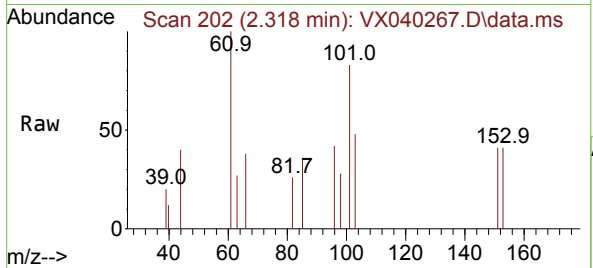
Tgt Ion: 96 Resp: 307

Ion Ratio Lower Upper

96 100

61 238.8 144.6 216.8#

98 66.8 50.4 75.6



#13

Acrolein

Concen: 0.497 ug/l

RT: 2.233 min Scan# 188

Delta R.T. -0.000 min

Lab File: VX040267.D

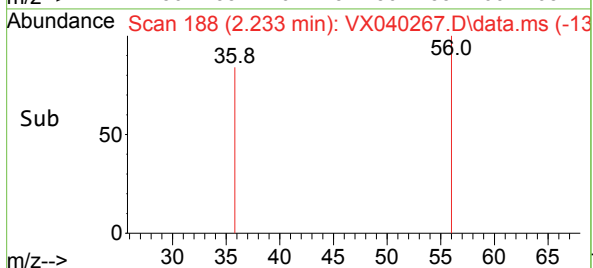
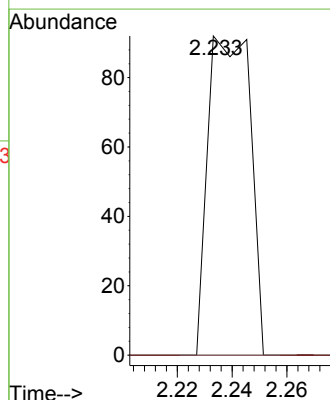
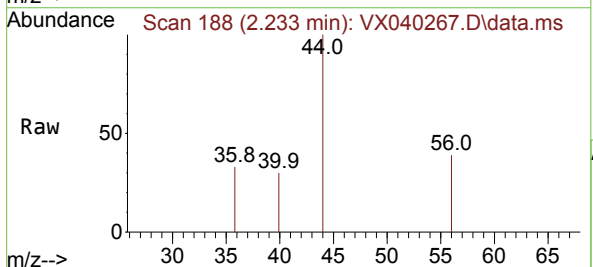
Acq: 16 Feb 2024 10:56

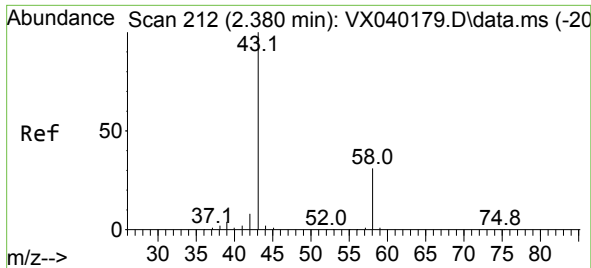
Tgt Ion: 56 Resp: 98

Ion Ratio Lower Upper

56 100

55 0.0 57.1 85.7#

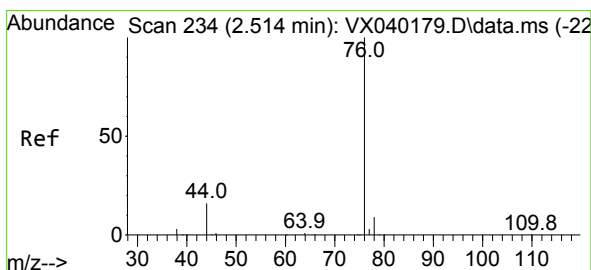
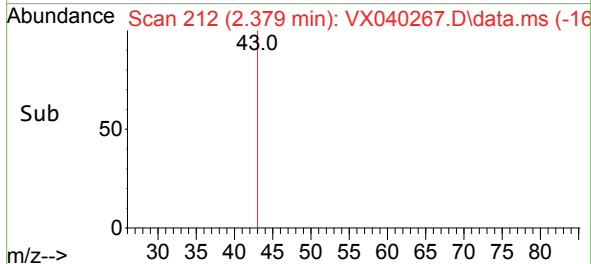
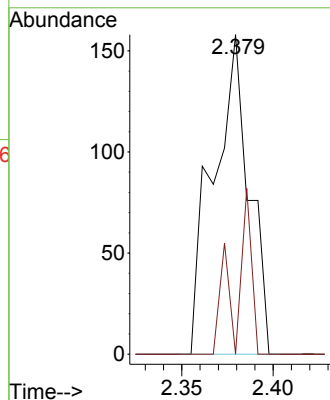
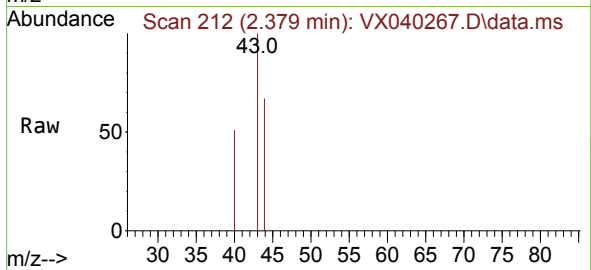




#16
Acetone
Concen: 0.477 ug/l
RT: 2.379 min Scan# 212
Delta R.T. -0.000 min
Lab File: VX040267.D
Acq: 16 Feb 2024 10:56

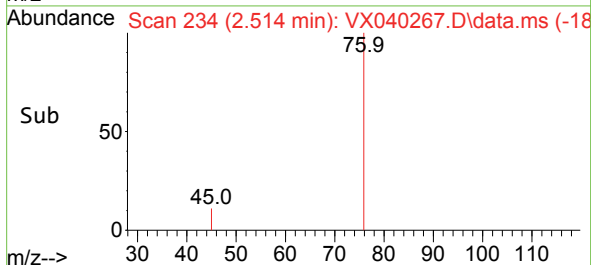
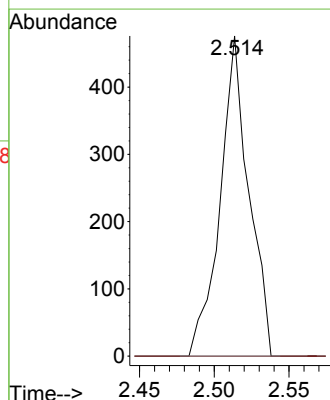
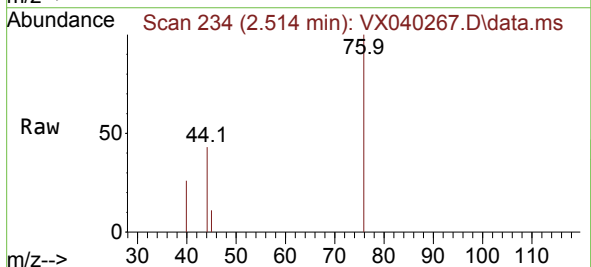
Instrument :
MSVOA_X
ClientSampleId :
RE132D7-20240214

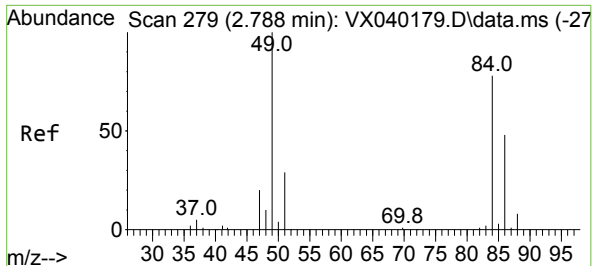
Tgt Ion: 43 Resp: 215
Ion Ratio Lower Upper
43 100
58 0.0 21.9 32.9#



#17
Carbon Disulfide
Concen: 0.319 ug/l
RT: 2.514 min Scan# 234
Delta R.T. 0.006 min
Lab File: VX040267.D
Acq: 16 Feb 2024 10:56

Tgt Ion: 76 Resp: 634
Ion Ratio Lower Upper
76 100
78 0.0 7.0 10.6#





#20

Methylene Chloride

Concen: Below Cal

RT: 2.794 min Scan# 21

Delta R.T. 0.006 min

Lab File: VX040267.D

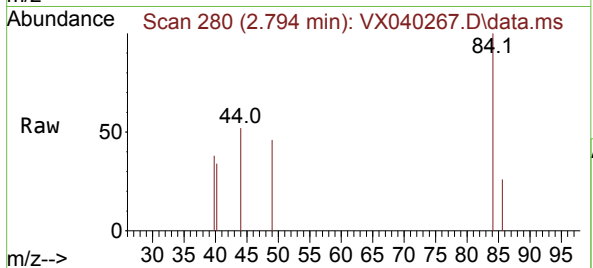
Acq: 16 Feb 2024 10:56

Instrument :

MSVOA_X

ClientSampleId :

RE132D7-20240214



Tgt Ion: 84 Resp: 290

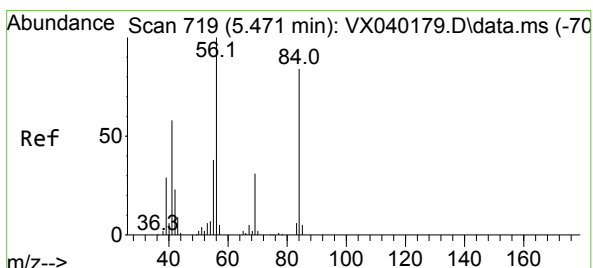
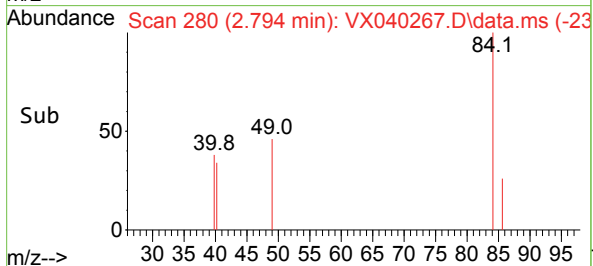
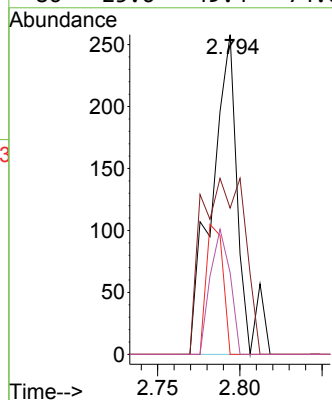
Ion Ratio Lower Upper

84 100

49 45.7 103.6 155.4#

51 0.0 33.8 50.6#

86 25.6 49.4 74.0#



#31

Cyclohexane

Concen: 1.438 ug/l

RT: 5.550 min Scan# 732

Delta R.T. 0.079 min

Lab File: VX040267.D

Acq: 16 Feb 2024 10:56

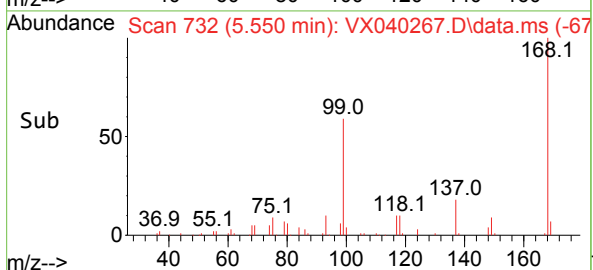
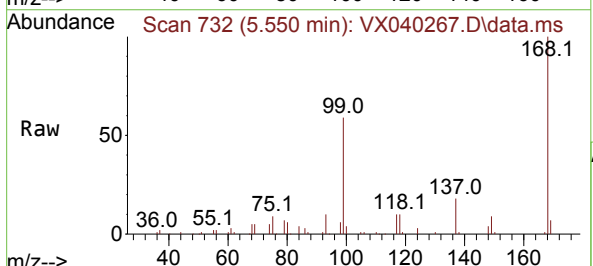
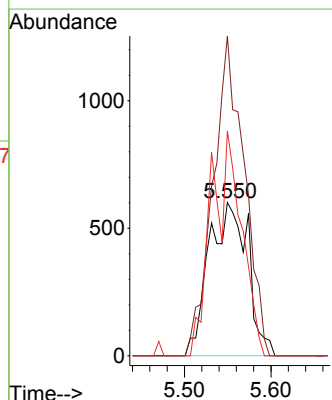
Tgt Ion: 56 Resp: 1881

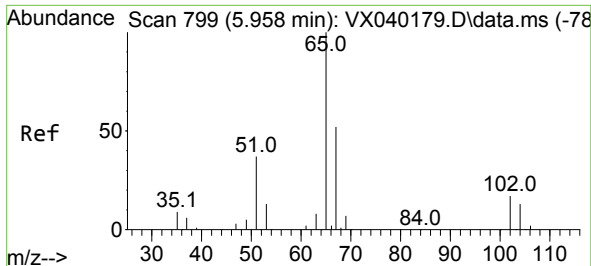
Ion Ratio Lower Upper

56 100

69 208.7 23.4 35.2#

84 146.8 65.9 98.9#





#33

1,2-Dichloroethane-d4

Concen: 45.932 ug/l

RT: 5.958 min Scan# 799

Delta R.T. -0.000 min

Lab File: VX040267.D

Acq: 16 Feb 2024 10:56

Instrument :

MSVOA_X

ClientSampleId :

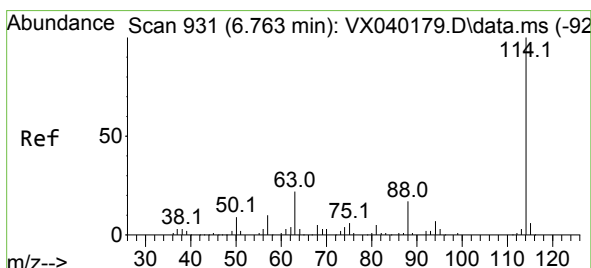
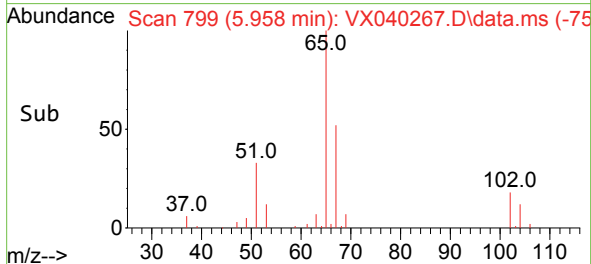
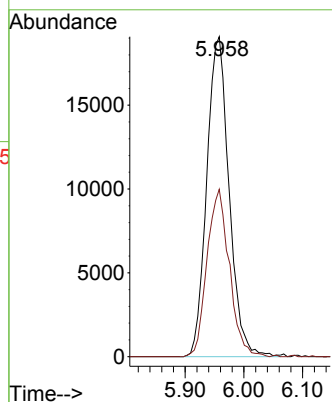
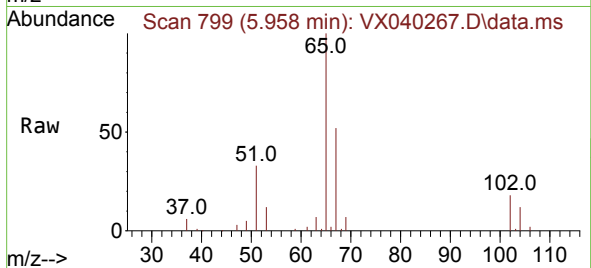
RE132D7-20240214

Tgt Ion: 65 Resp: 50378

Ion Ratio Lower Upper

65 100

67 52.4 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: VX040267.D

Acq: 16 Feb 2024 10:56

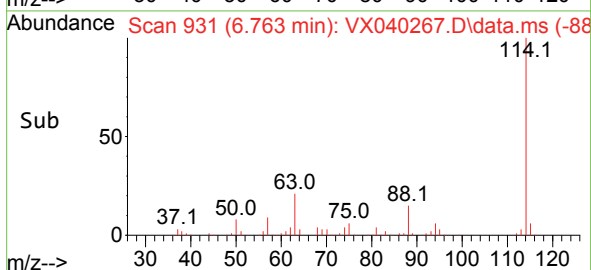
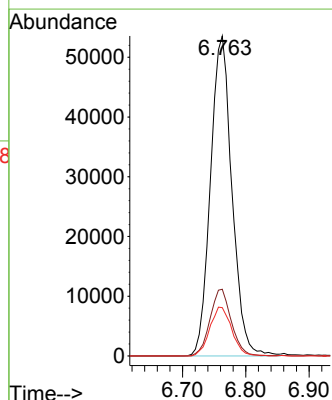
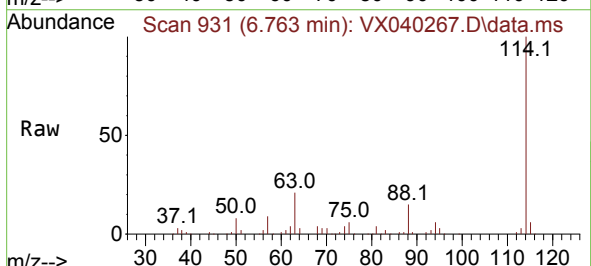
Tgt Ion: 114 Resp: 126571

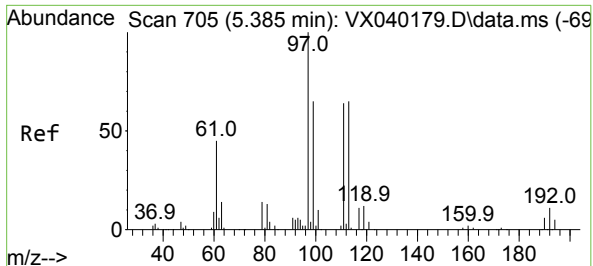
Ion Ratio Lower Upper

114 100

63 20.8 0.0 45.0

88 15.1 0.0 36.6

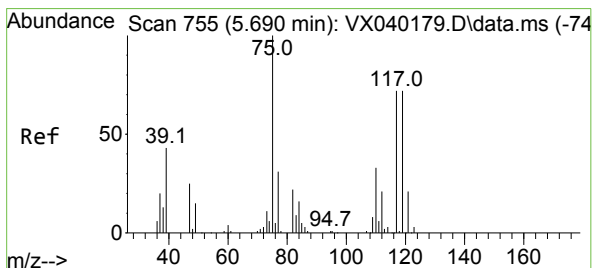
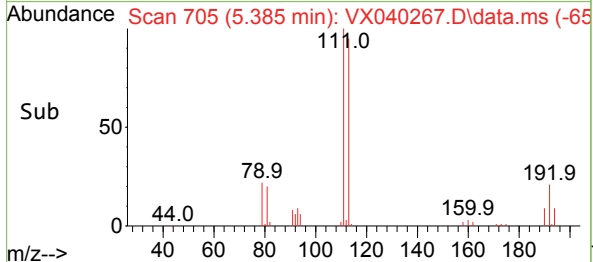
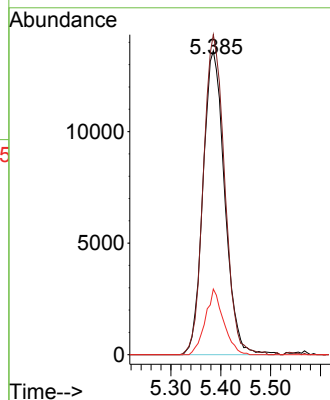
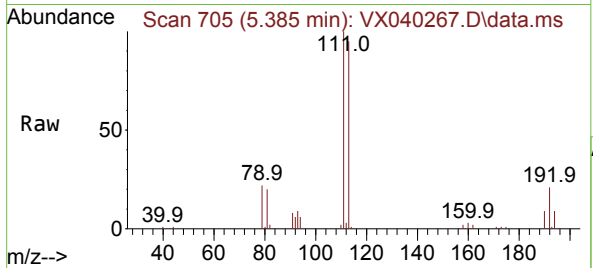




#35
Dibromofluoromethane
Concen: 46.456 ug/l
RT: 5.385 min Scan# 705
Delta R.T. -0.000 min
Lab File: VX040267.D
Acq: 16 Feb 2024 10:56

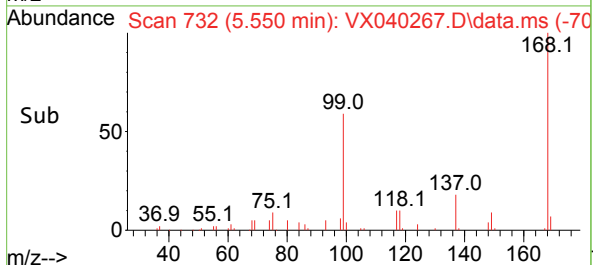
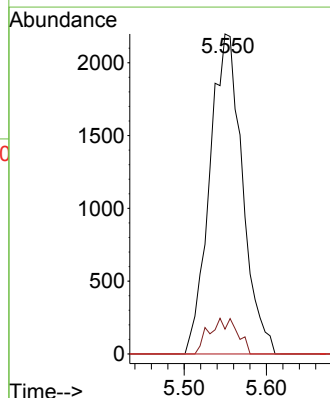
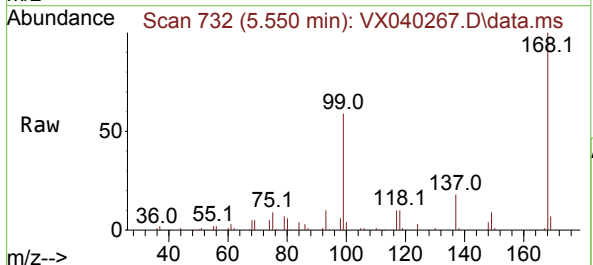
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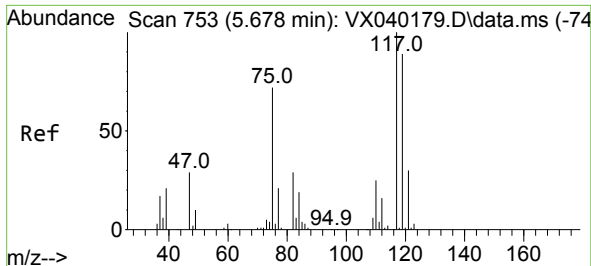
Tgt Ion:	113	Resp:	41063
Ion	Ratio	Lower	Upper
113	100		
111	103.5	82.9	124.3
192	18.2	13.3	19.9



#36
1,1-Dichloropropene
Concen: 4.909 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.146 min
Lab File: VX040267.D
Acq: 16 Feb 2024 10:56

Tgt Ion:	75	Resp:	6078
Ion	Ratio	Lower	Upper
75	100		
110	9.6	17.0	50.9#
77	0.0	24.7	37.1#

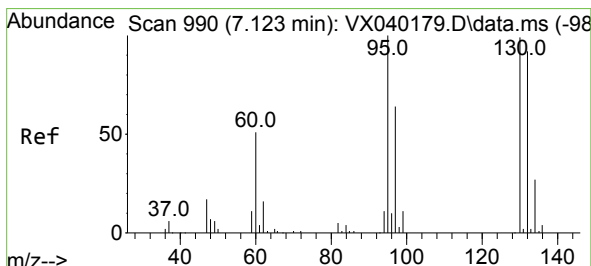
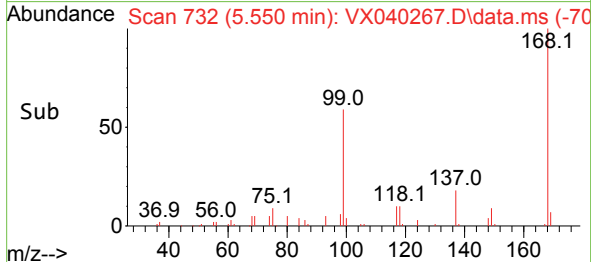
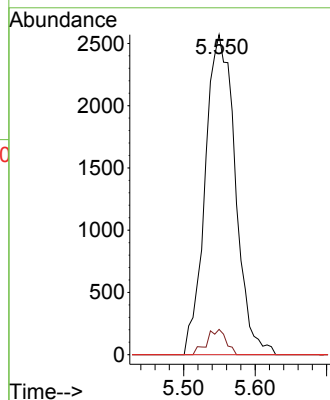
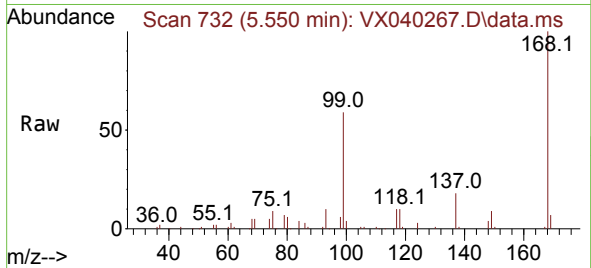




#38
Carbon Tetrachloride
Concen: 6.389 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.122 min
Lab File: VX040267.D
Acq: 16 Feb 2024 10:56

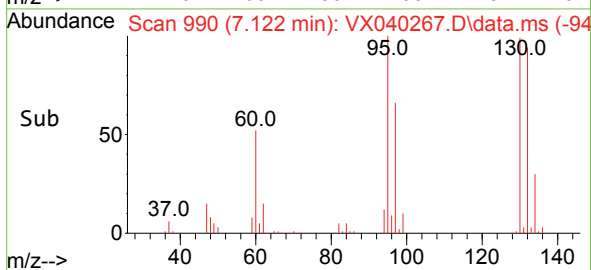
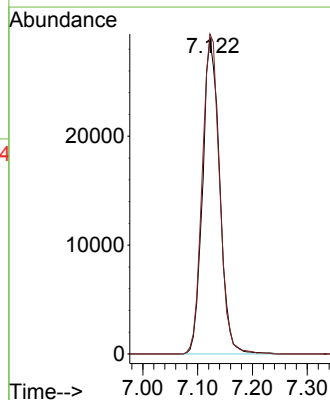
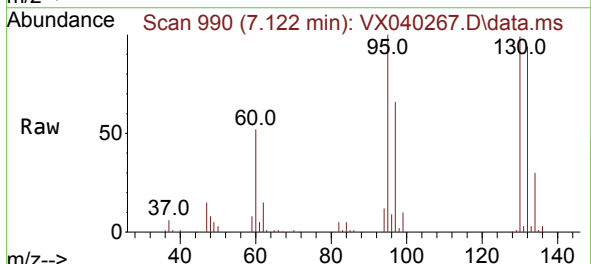
Instrument :
MSVOA_X
ClientSampleId :
RE132D7-20240214

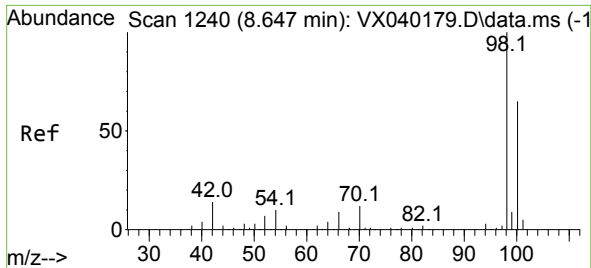
Tgt Ion:117 Resp: 7522
Ion Ratio Lower Upper
117 100
119 7.9 78.2 117.2#
121 0.0 24.4 36.6#



#44
Trichloroethene
Concen: 65.468 ug/l
RT: 7.122 min Scan# 990
Delta R.T. -0.006 min
Lab File: VX040267.D
Acq: 16 Feb 2024 10:56

Tgt Ion:130 Resp: 62530
Ion Ratio Lower Upper
130 100
95 101.5 0.0 204.4

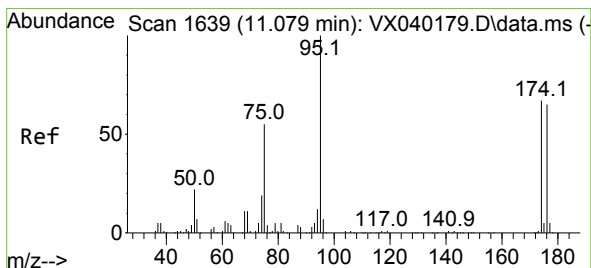
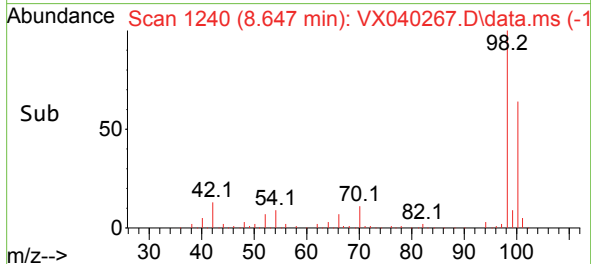
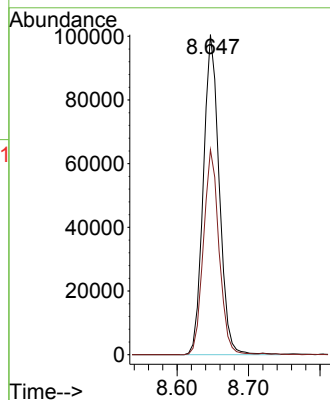
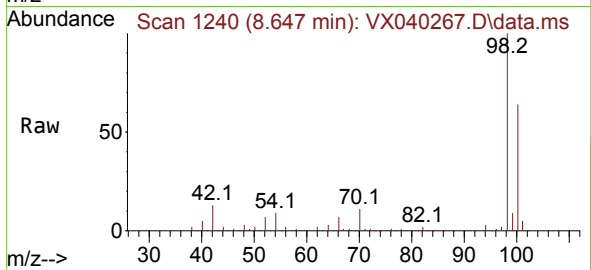




#50
Toluene-d8
Concen: 46.903 ug/l
RT: 8.647 min Scan# 11
Delta R.T. -0.006 min
Lab File: VX040267.D
Acq: 16 Feb 2024 10:56

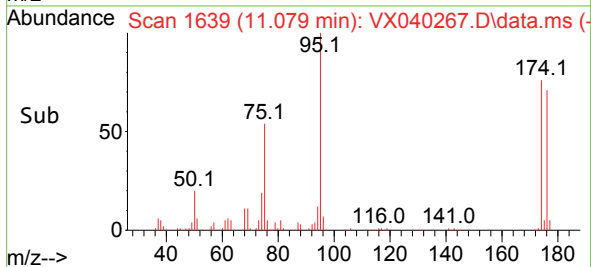
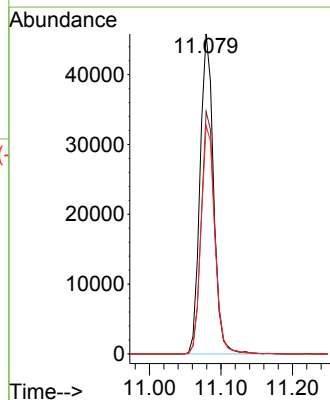
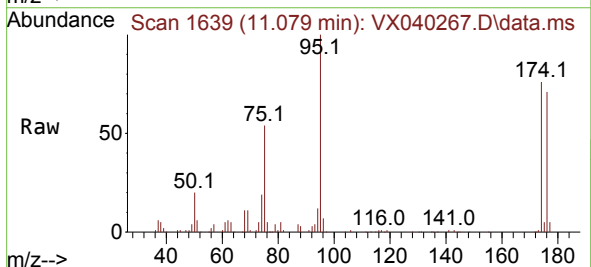
Instrument :
MSVOA_X
ClientSampleId :
RE132D7-20240214

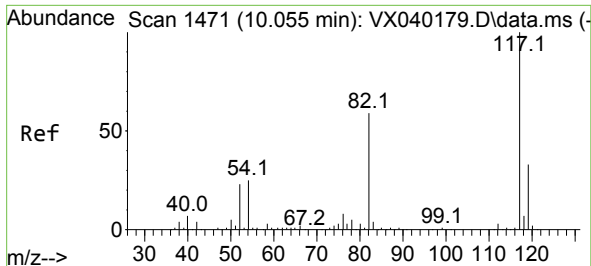
Tgt Ion: 98 Resp: 155081
Ion Ratio Lower Upper
98 100
100 62.8 53.1 79.7



#62
4-Bromofluorobenzene
Concen: 44.475 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX040267.D
Acq: 16 Feb 2024 10:56

Tgt Ion: 95 Resp: 59974
Ion Ratio Lower Upper
95 100
174 76.0 0.0 135.6
176 73.1 0.0 131.0

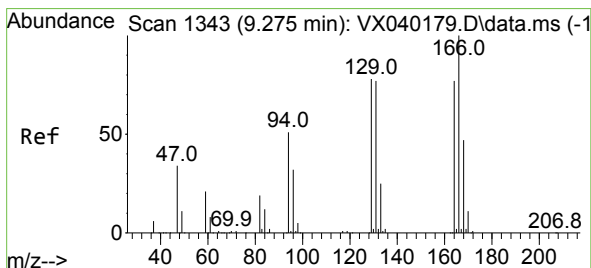
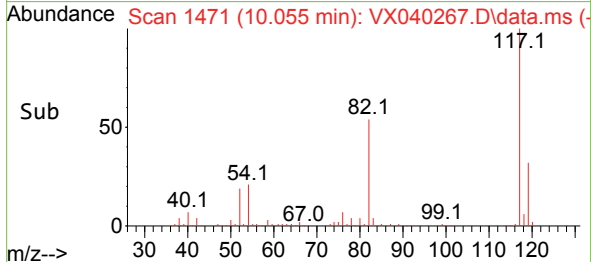
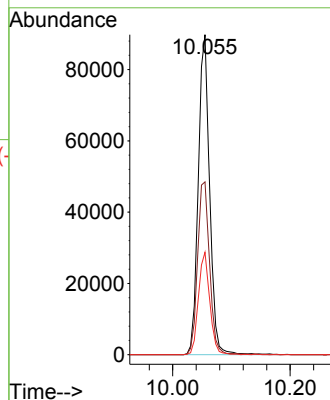
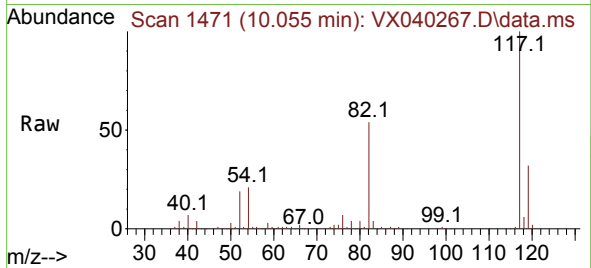




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX040267.D
Acq: 16 Feb 2024 10:56

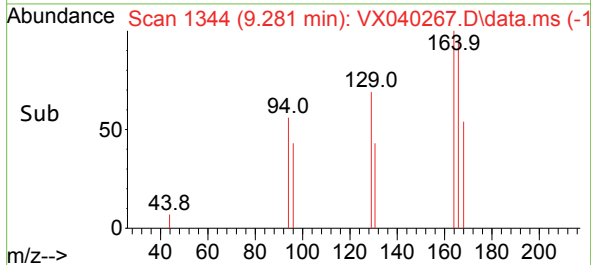
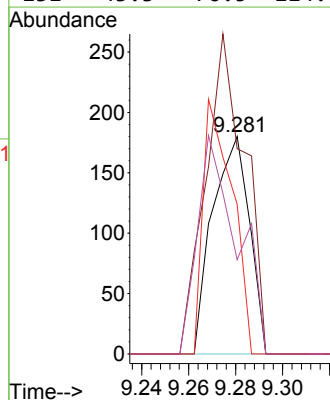
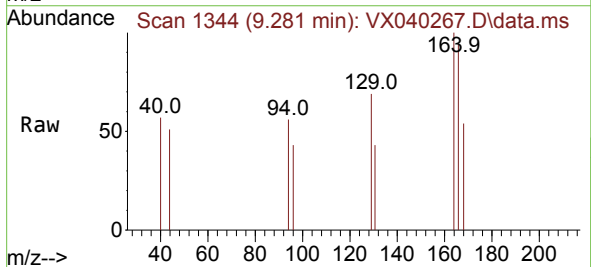
Instrument :
MSVOA_X
ClientSampleId :
RE132D7-20240214

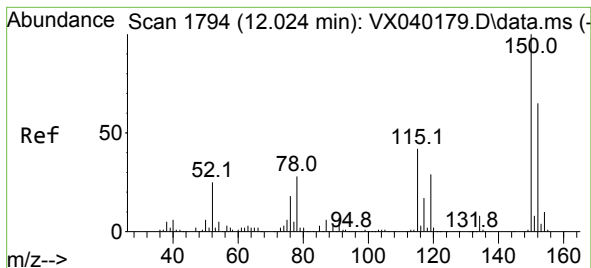
Tgt Ion:117 Resp: 120546
Ion Ratio Lower Upper
117 100
82 54.0 46.2 69.4
119 32.0 25.5 38.3



#64
Tetrachloroethene
Concen: 0.232 ug/l
RT: 9.281 min Scan# 1344
Delta R.T. 0.006 min
Lab File: VX040267.D
Acq: 16 Feb 2024 10:56

Tgt Ion:164 Resp: 196
Ion Ratio Lower Upper
164 100
166 94.4 102.7 154.1#
129 68.9 80.4 120.6#
131 43.3 76.5 114.7#





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.024 min Scan# 1

Delta R.T. -0.000 min

Lab File: VX040267.D

Acq: 16 Feb 2024 10:56

Instrument :

MSVOA_X

ClientSampleId :

RE132D7-20240214

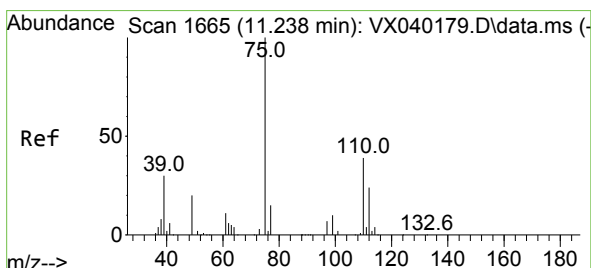
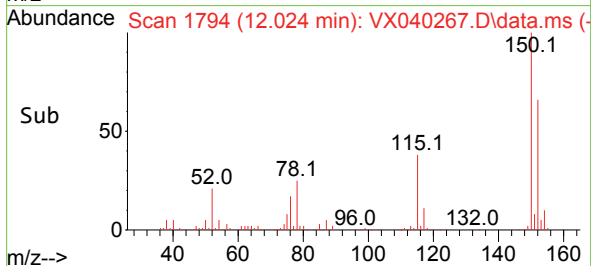
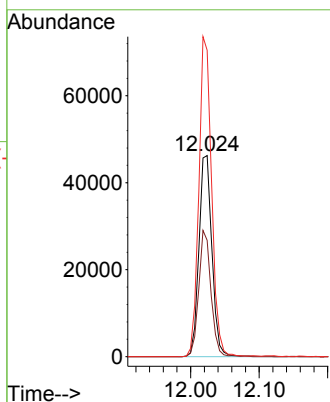
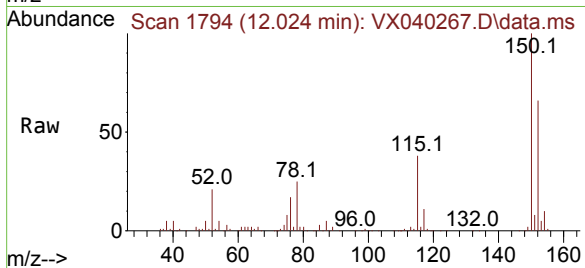
Tgt Ion:152 Resp: 61108

Ion Ratio Lower Upper

152 100

115 59.1 43.3 129.9

150 156.0 0.0 345.0



#76

1,2,3-Trichloropropane

Concen: 25.034 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.159 min

Lab File: VX040267.D

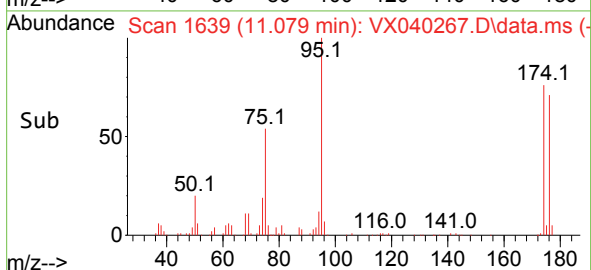
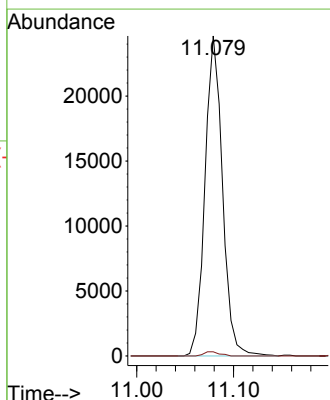
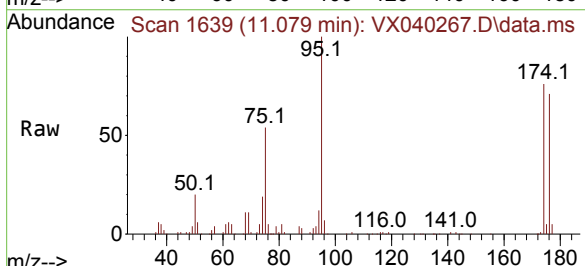
Acq: 16 Feb 2024 10:56

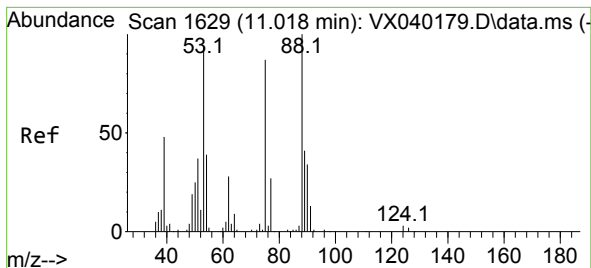
Tgt Ion: 75 Resp: 30978

Ion Ratio Lower Upper

75 100

77 1.2 19.1 57.5#

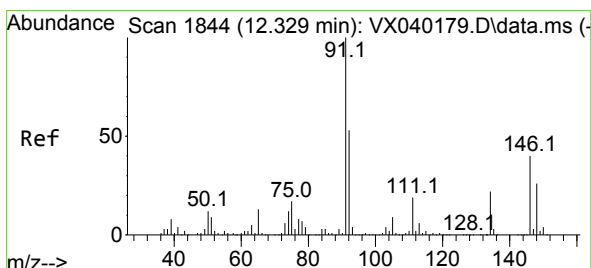
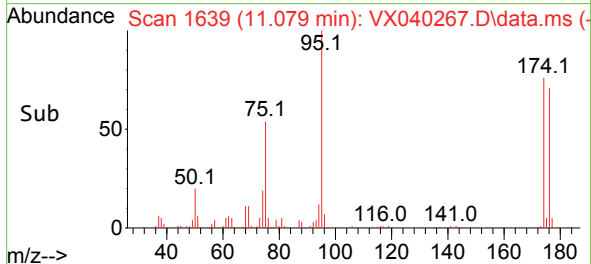
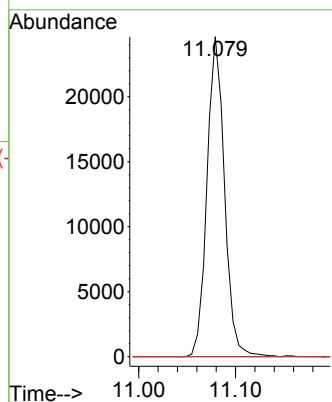
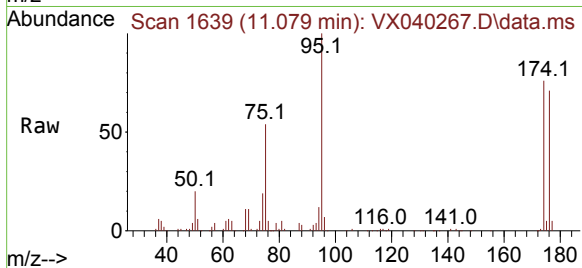




#81
trans-1,4-Dichloro-2-butene
Concen: 68.856 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.061 min
Lab File: VX040267.D
Acq: 16 Feb 2024 10:56

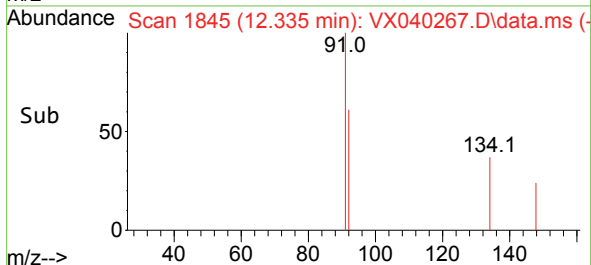
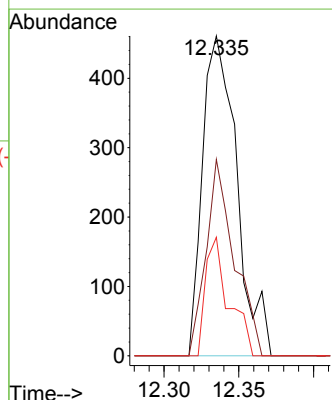
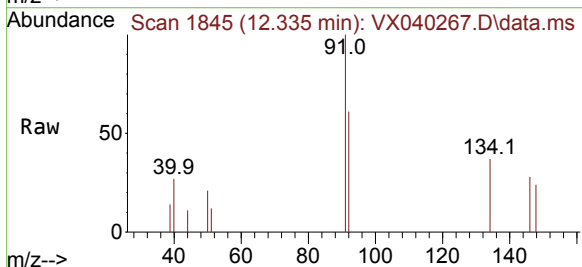
Instrument :
MSVOA_X
ClientSampleId :
RE132D7-20240214

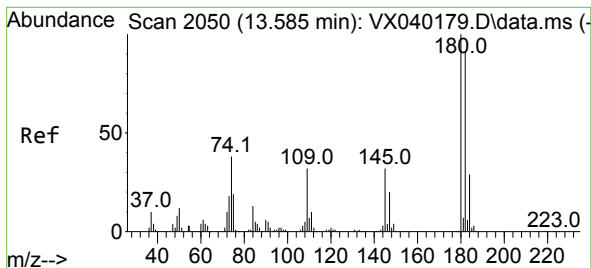
Tgt Ion: 75 Resp: 30978
Ion Ratio Lower Upper
75 100
53 0.0 90.5 135.7#
89 0.0 36.9 55.3#



#89
n-Butylbenzene
Concen: 0.203 ug/l
RT: 12.335 min Scan# 1845
Delta R.T. -0.000 min
Lab File: VX040267.D
Acq: 16 Feb 2024 10:56

Tgt Ion: 91 Resp: 733
Ion Ratio Lower Upper
91 100
92 50.9 27.4 82.0
134 25.2 12.6 37.8





#93

1,2,4-Trichlorobenzene

Concen: 0.329 ug/l

RT: 13.597 min Scan# 2052

Delta R.T. 0.012 min

Lab File: VX040267.D

Acq: 16 Feb 2024 10:56

Instrument :

MSVOA_X

ClientSampleId :

RE132D7-20240214

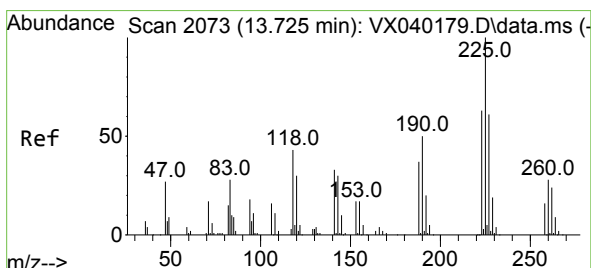
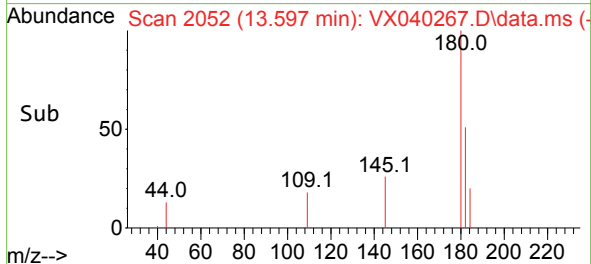
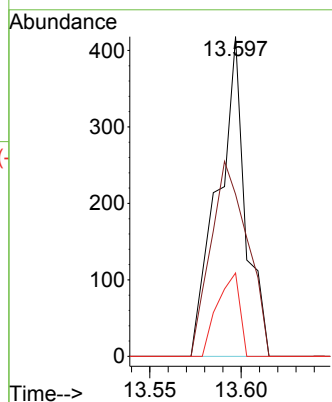
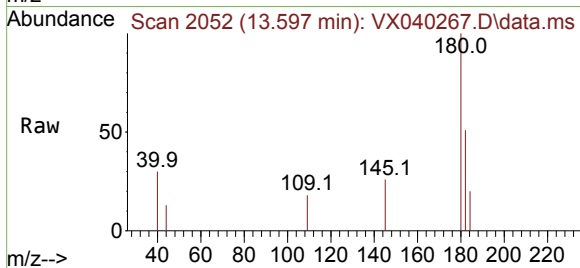
Tgt Ion:180 Resp: 439

Ion Ratio Lower Upper

180 100

182 81.1 48.3 144.8

145 21.2 18.0 54.0



#94

Hexachlorobutadiene

Concen: 0.663 ug/l

RT: 13.731 min Scan# 2074

Delta R.T. 0.006 min

Lab File: VX040267.D

Acq: 16 Feb 2024 10:56

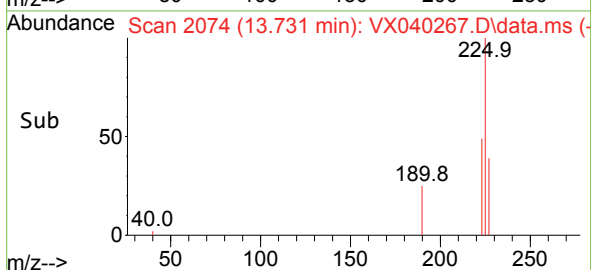
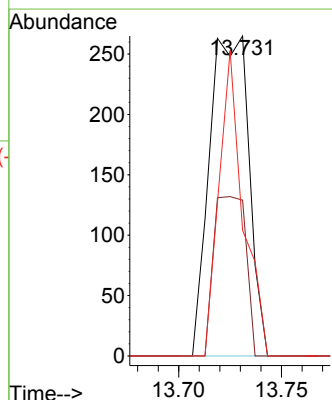
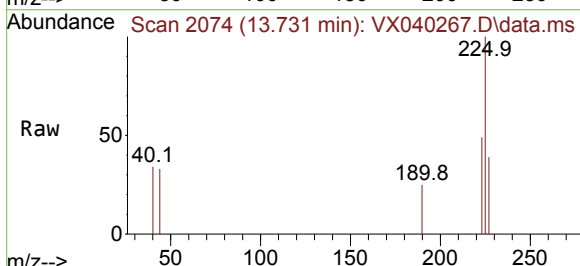
Tgt Ion:225 Resp: 353

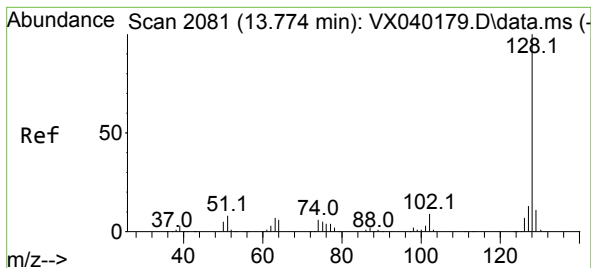
Ion Ratio Lower Upper

225 100

223 40.5 31.1 93.2

227 58.4 32.5 97.5





#95

Naphthalene

Concen: 0.355 ug/l

RT: 13.780 min Scan# 2081

Delta R.T. 0.006 min

Lab File: VX040267.D

Acq: 16 Feb 2024 10:56

Instrument :

MSVOA_X

ClientSampleId :

RE132D7-20240214

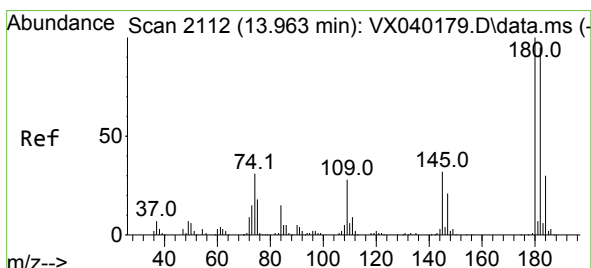
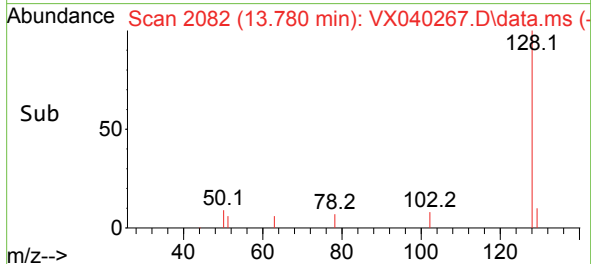
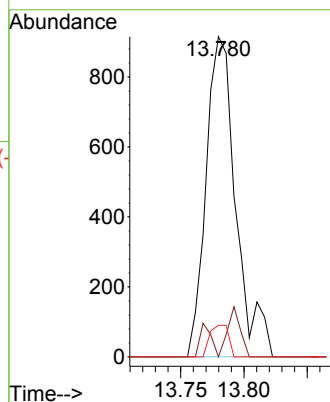
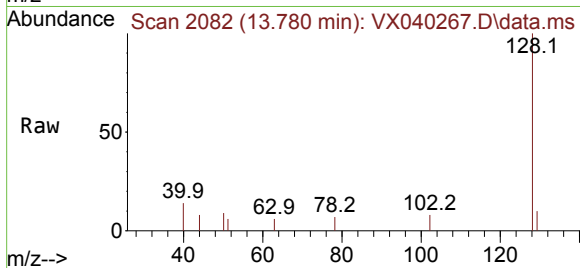
Tgt Ion:128 Resp: 1495

Ion Ratio Lower Upper

128 100

127 6.6 10.3 15.5#

129 6.2 8.8 13.2#



#96

1,2,3-Trichlorobenzene

Concen: 0.343 ug/l

RT: 13.963 min Scan# 2112

Delta R.T. -0.000 min

Lab File: VX040267.D

Acq: 16 Feb 2024 10:56

Tgt Ion:180 Resp: 437

Ion Ratio Lower Upper

180 100

182 98.9 46.9 140.6

145 30.2 17.8 53.5

