

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)

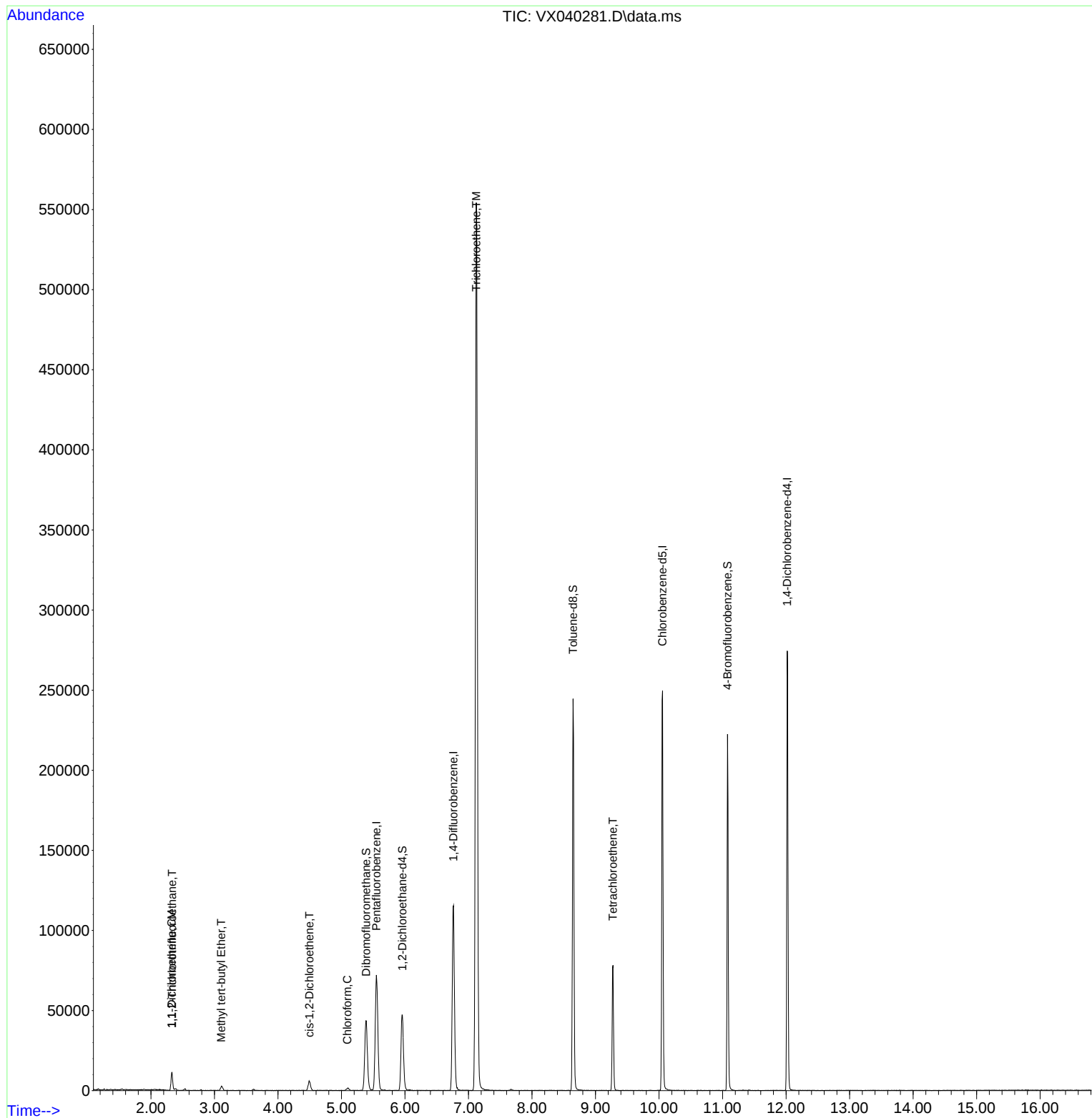
Internal Standards						
1) Pentafluorobenzene	5.550	168	69241	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	118847	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	114357	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	56616	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	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	
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
19) Methyl tert-butyl Ether	3.105	73	2993	1.202	ug/l #	90
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
44) Trichloroethene	7.123	130	211498	235.828	ug/l	98
64) Tetrachloroethene	9.275	164	14374	17.937	ug/l	91

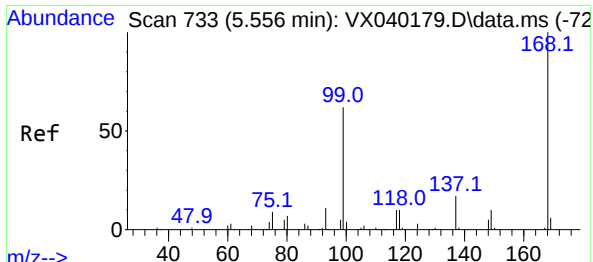
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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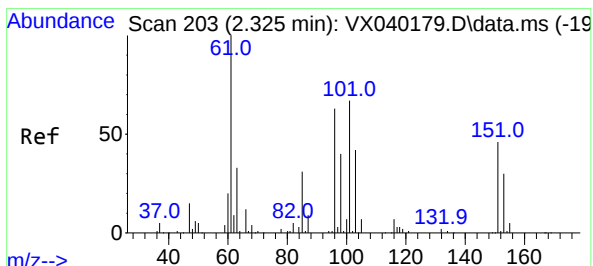
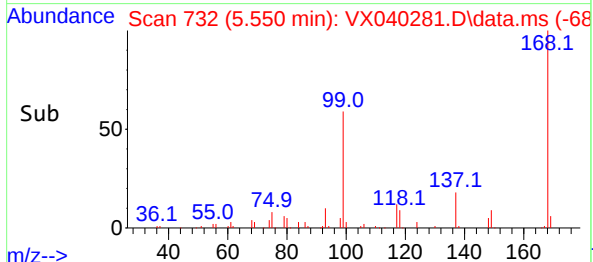
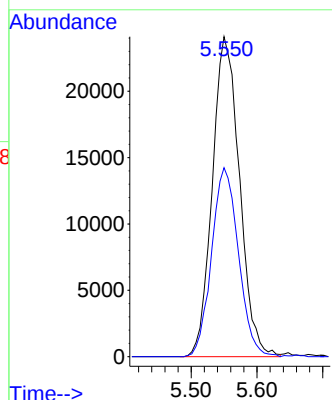
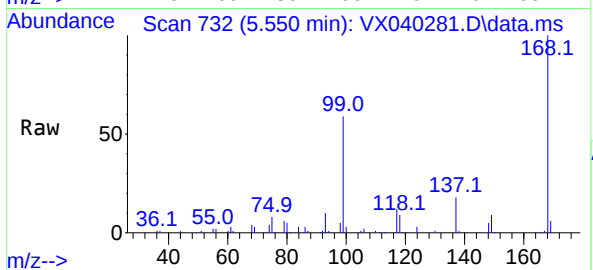




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX040281.D
Acq: 16 Feb 2024 16:17

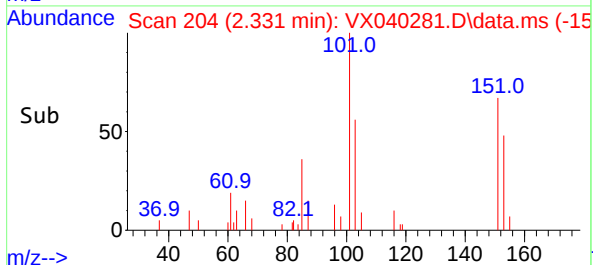
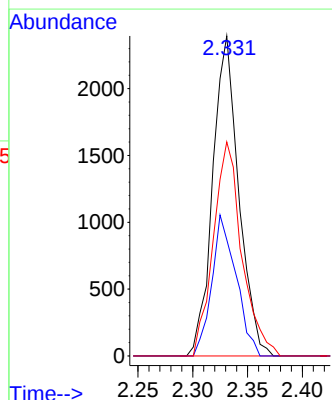
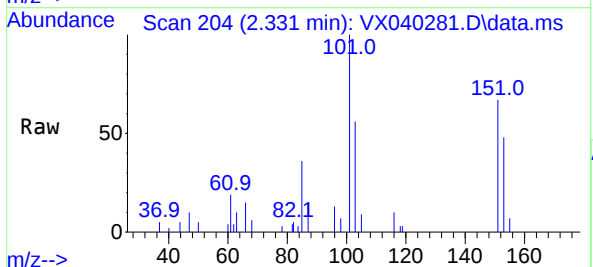
Instrument :
MSVOA_X
ClientSampleId :
RE131D1-20240214

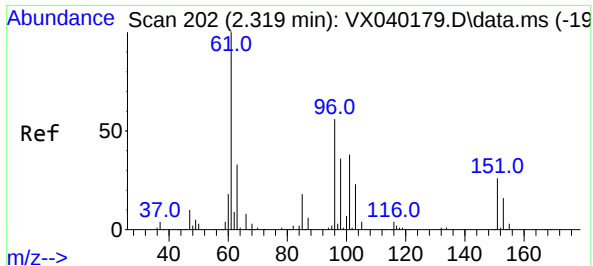
Tgt Ion:168 Resp: 69241
Ion Ratio Lower Upper
168 100
99 59.1 56.6 85.0



#9
1,1,2-Trichlorotrifluoroethane
Concen: 5.388 ug/l
RT: 2.331 min Scan# 204
Delta R.T. 0.006 min
Lab File: VX040281.D
Acq: 16 Feb 2024 16:17

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# 20

Delta R.T. 0.006 min

Lab File: VX040281.D

Acq: 16 Feb 2024 16:17

Instrument :

MSVOA_X

ClientSampleId :

RE131D1-20240214

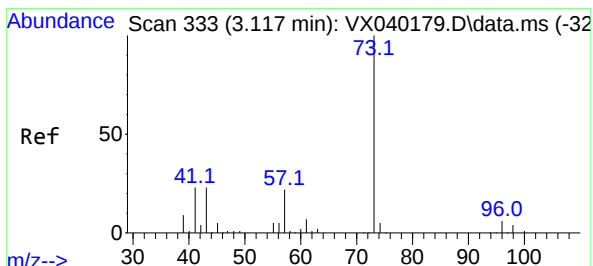
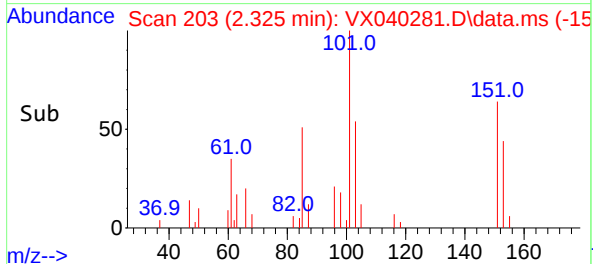
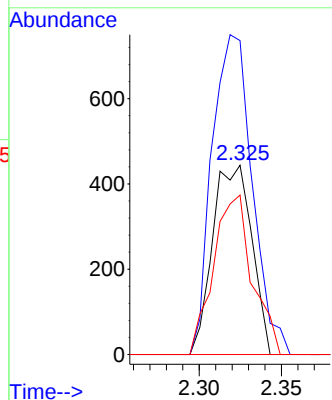
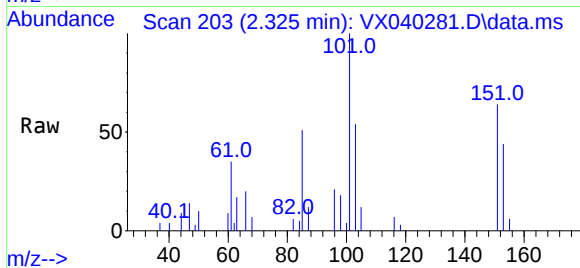
Tgt Ion: 96 Resp: 734

Ion Ratio Lower Upper

96 100

61 165.8 144.6 216.8

98 84.2 50.4 75.6#



#19

Methyl tert-butyl Ether

Concen: 1.202 ug/l

RT: 3.105 min Scan# 331

Delta R.T. -0.012 min

Lab File: VX040281.D

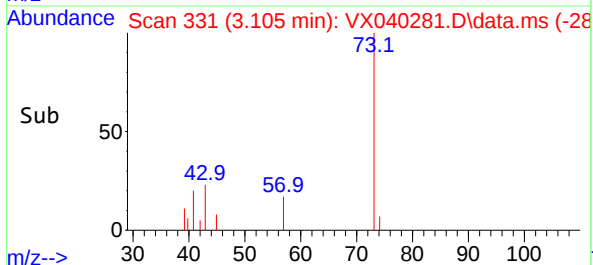
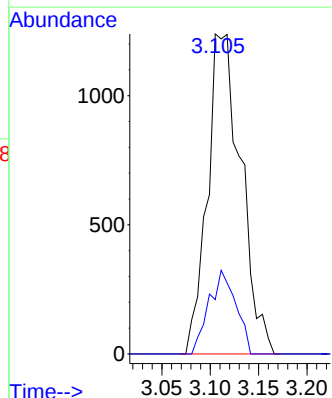
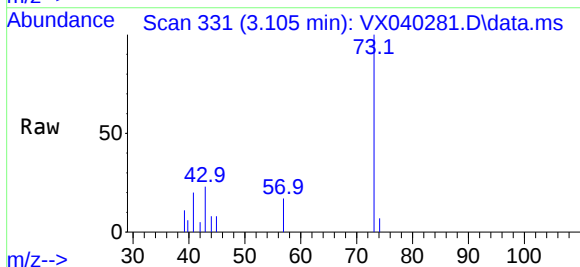
Acq: 16 Feb 2024 16:17

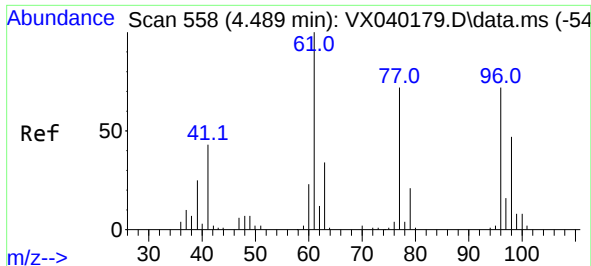
Tgt Ion: 73 Resp: 2993

Ion Ratio Lower Upper

73 100

57 17.0 17.3 25.9#

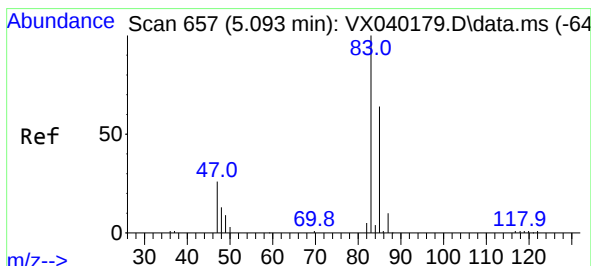
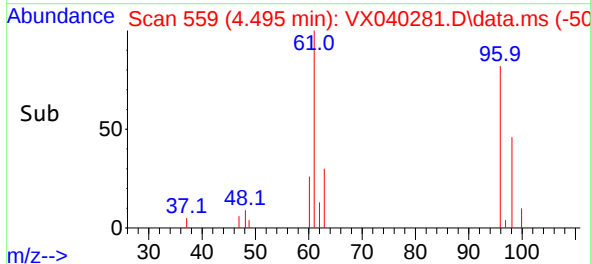
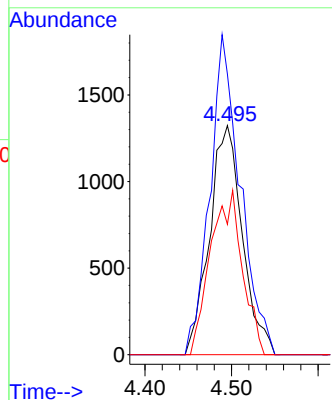
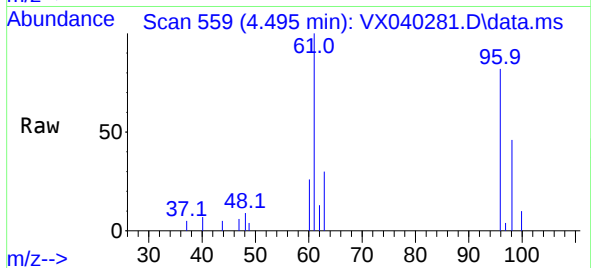




#27
cis-1,2-Dichloroethene
Concen: 3.789 ug/l
RT: 4.495 min Scan# 51
Delta R.T. 0.006 min
Lab File: VX040281.D
Acq: 16 Feb 2024 16:17

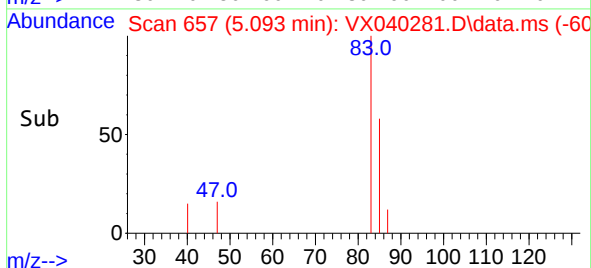
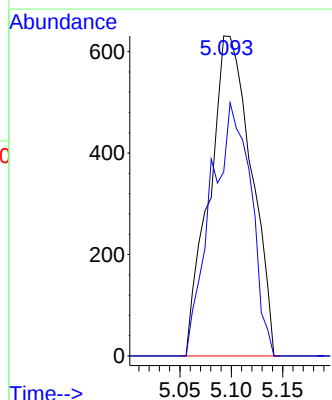
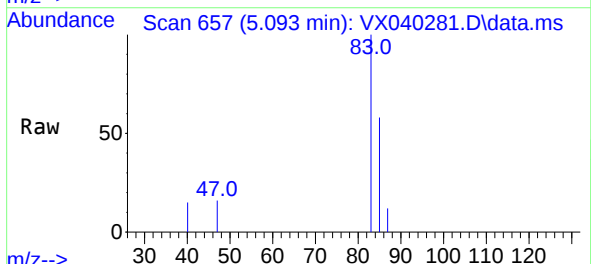
Instrument :
MSVOA_X
ClientSampleId :
RE131D1-20240214

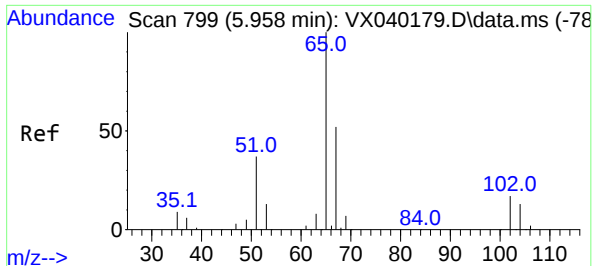
Tgt Ion: 96 Resp: 3480
Ion Ratio Lower Upper
96 100
61 129.3 0.0 312.2
98 69.6 0.0 129.0



#30
Chloroform
Concen: 1.141 ug/l
RT: 5.093 min Scan# 657
Delta R.T. -0.006 min
Lab File: VX040281.D
Acq: 16 Feb 2024 16:17

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

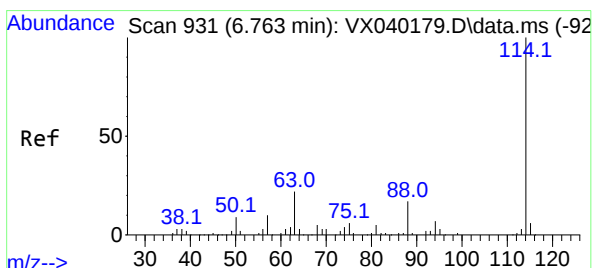
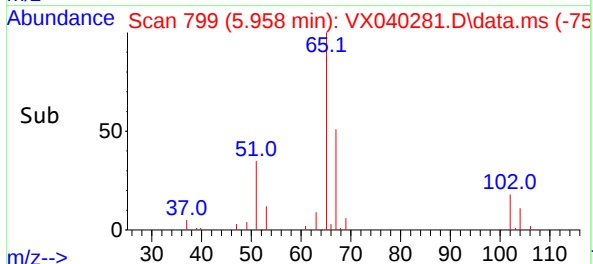
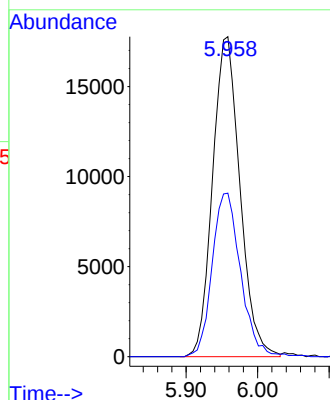
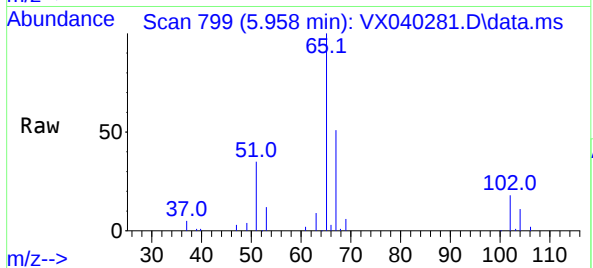




#33
 1,2-Dichloroethane-d4
 Concen: 45.814 ug/l
 RT: 5.958 min Scan# 799
 Delta R.T. 0.000 min
 Lab File: VX040281.D
 Acq: 16 Feb 2024 16:17

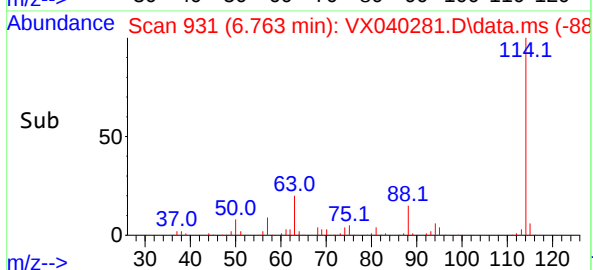
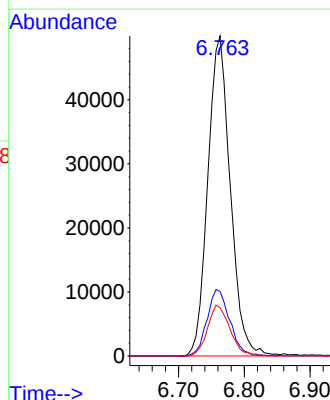
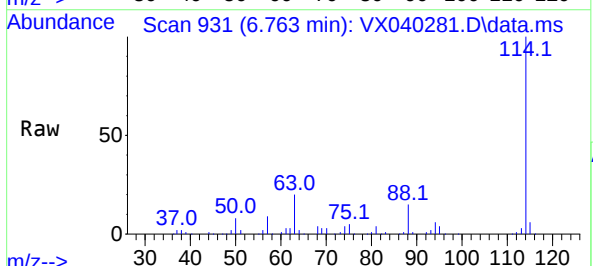
Instrument :
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 ClientSampleId :
 RE131D1-20240214

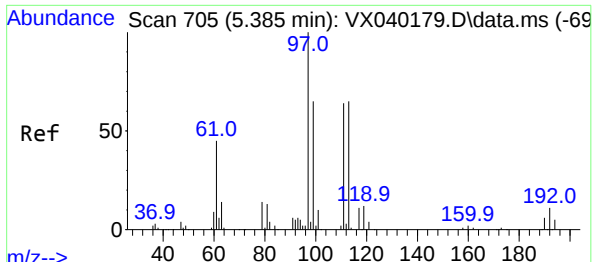
Tgt Ion: 65 Resp: 47193
 Ion Ratio Lower Upper
 65 100
 67 53.2 0.0 100.2



#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

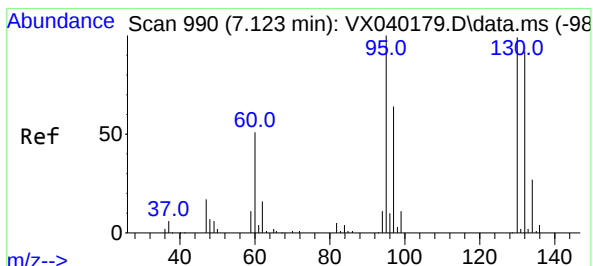
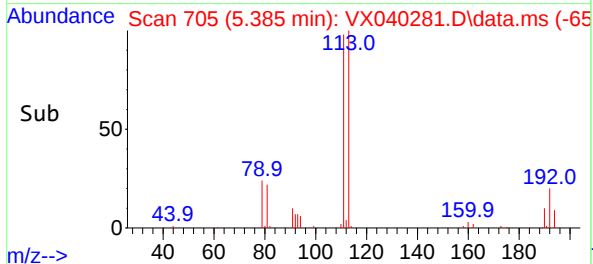
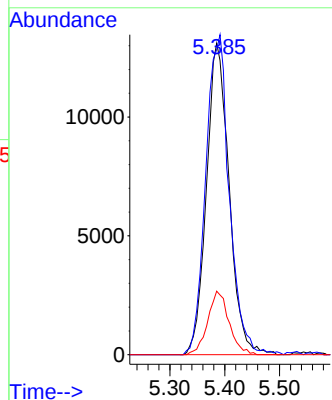
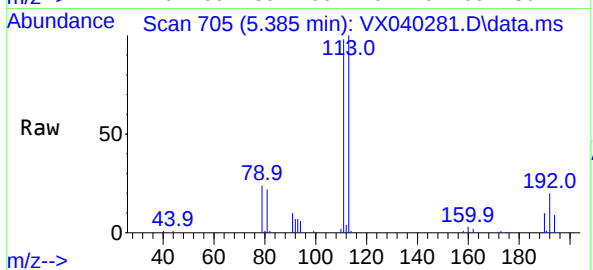




#35
Dibromofluoromethane
Concen: 45.337 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX040281.D
Acq: 16 Feb 2024 16:17

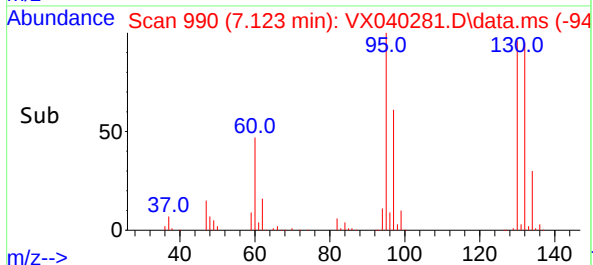
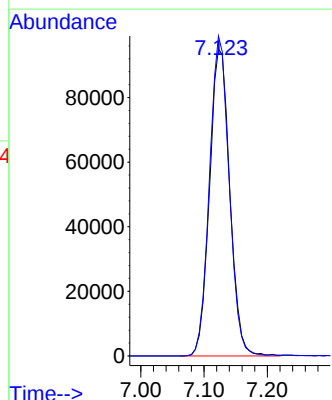
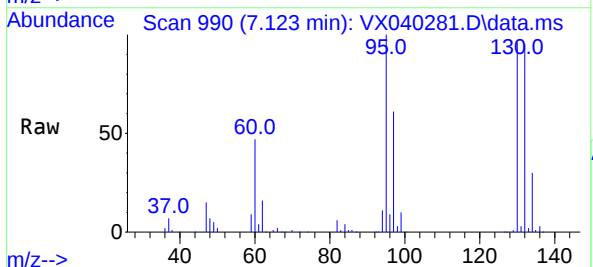
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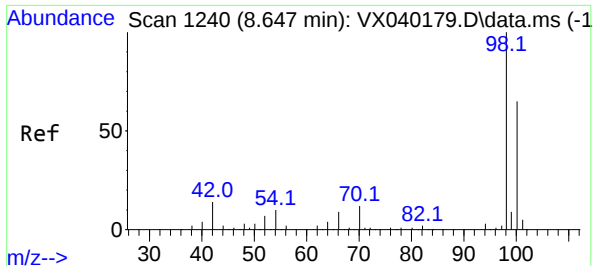
Tgt Ion:113 Resp: 37628
Ion Ratio Lower Upper
113 100
111 106.7 82.9 124.3
192 19.1 13.3 19.9



#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

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

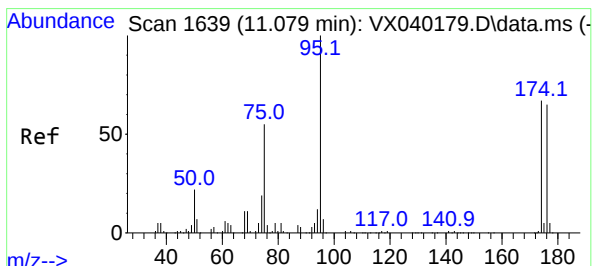
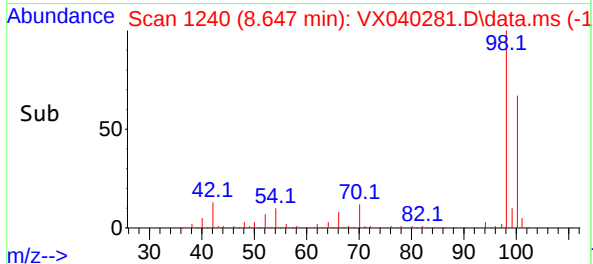
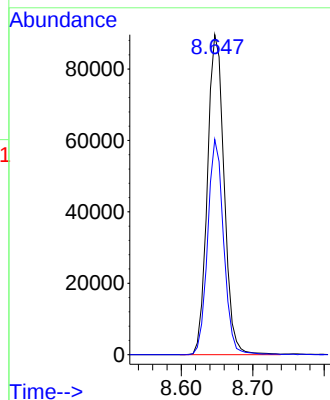
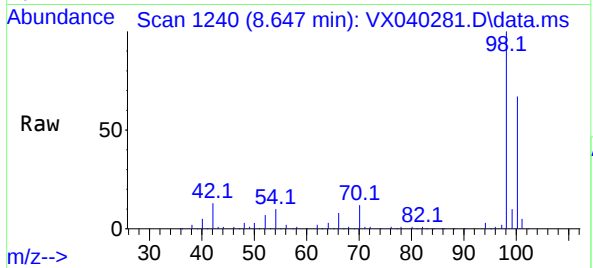




#50
Toluene-d8
Concen: 46.925 ug/l
RT: 8.647 min Scan# 11
Delta R.T. -0.006 min
Lab File: VX040281.D
Acq: 16 Feb 2024 16:17

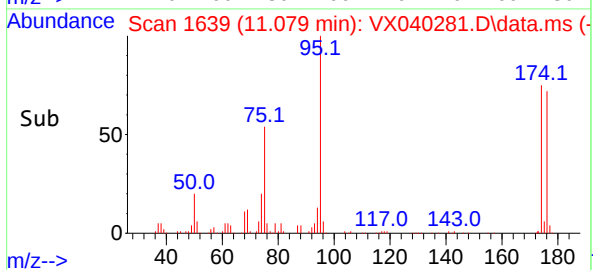
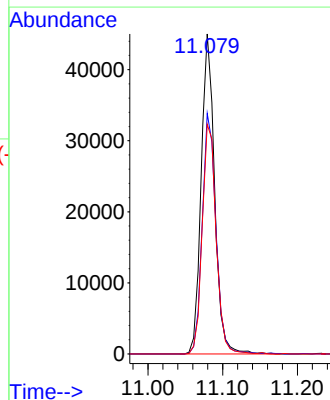
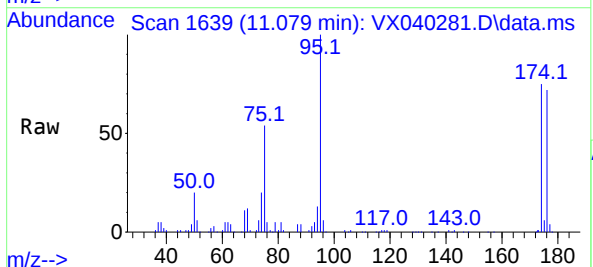
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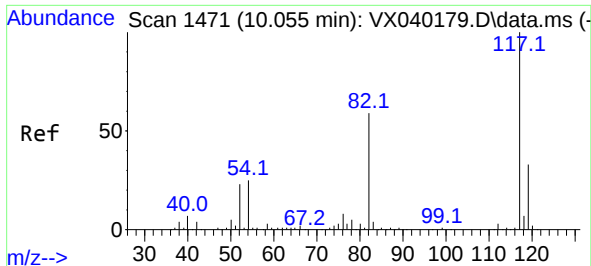
Tgt Ion: 98 Resp: 145684
Ion Ratio Lower Upper
98 100
100 64.3 53.1 79.7



#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

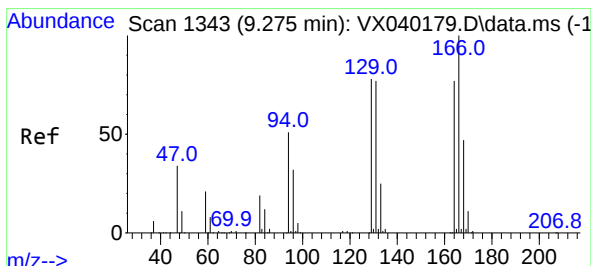
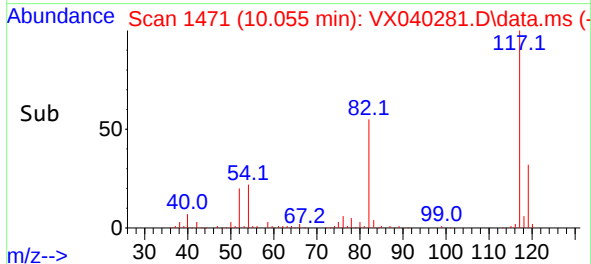
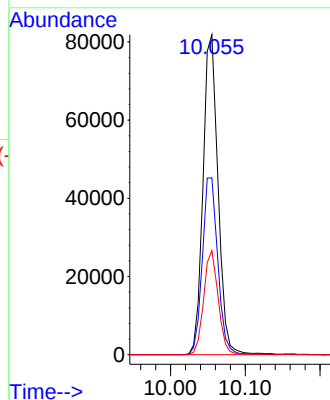
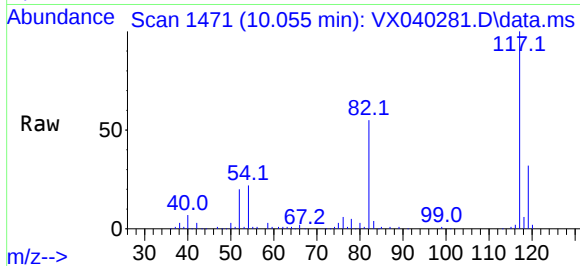




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX040281.D
Acq: 16 Feb 2024 16:17

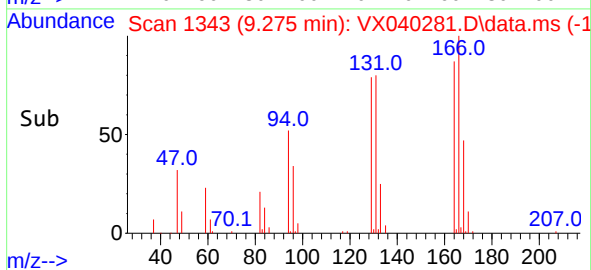
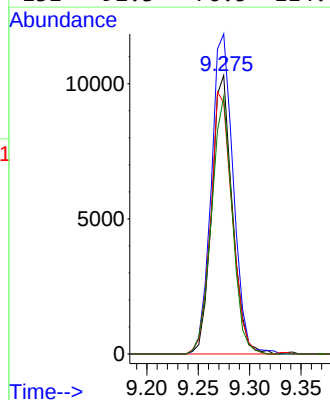
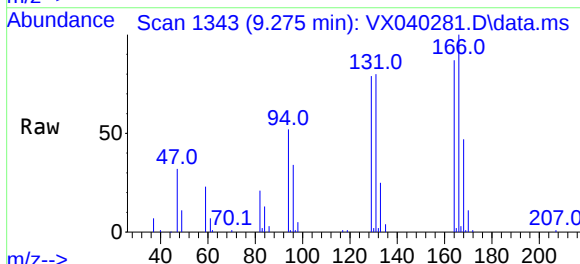
Instrument :
MSVOA_X
ClientSampleId :
RE131D1-20240214

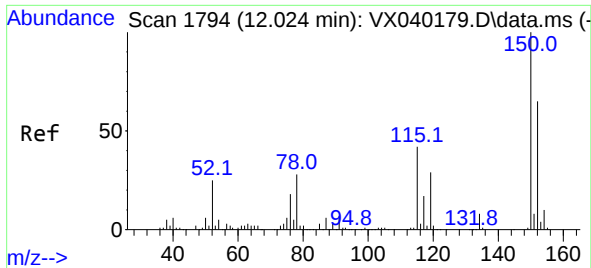
Tgt Ion:117 Resp: 114357
Ion Ratio Lower Upper
117 100
82 55.3 46.2 69.4
119 32.5 25.5 38.3



#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

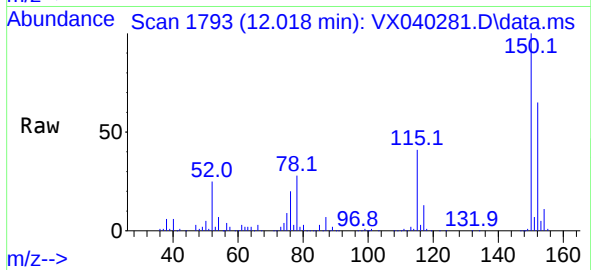
Tgt Ion:164 Resp: 14374
Ion Ratio Lower Upper
164 100
166 114.9 102.7 154.1
129 90.3 80.4 120.6
131 92.3 76.5 114.7





#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.018 min Scan# 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:152 Resp: 56616
 Ion Ratio Lower Upper
 152 100
 115 62.1 43.3 129.9
 150 160.1 0.0 345.0

