

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX031125\
 Data File : VX045232.D
 Acq On : 11 Mar 2025 18:16
 Operator : JC/MD
 Sample : Q1531-12
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 RE108D2-20250306

Quant Time: Mar 12 01:53:37 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
 Quant Title : SW846 8260
 QLast Update : Fri Feb 28 06:45:16 2025
 Response via : Initial Calibration

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

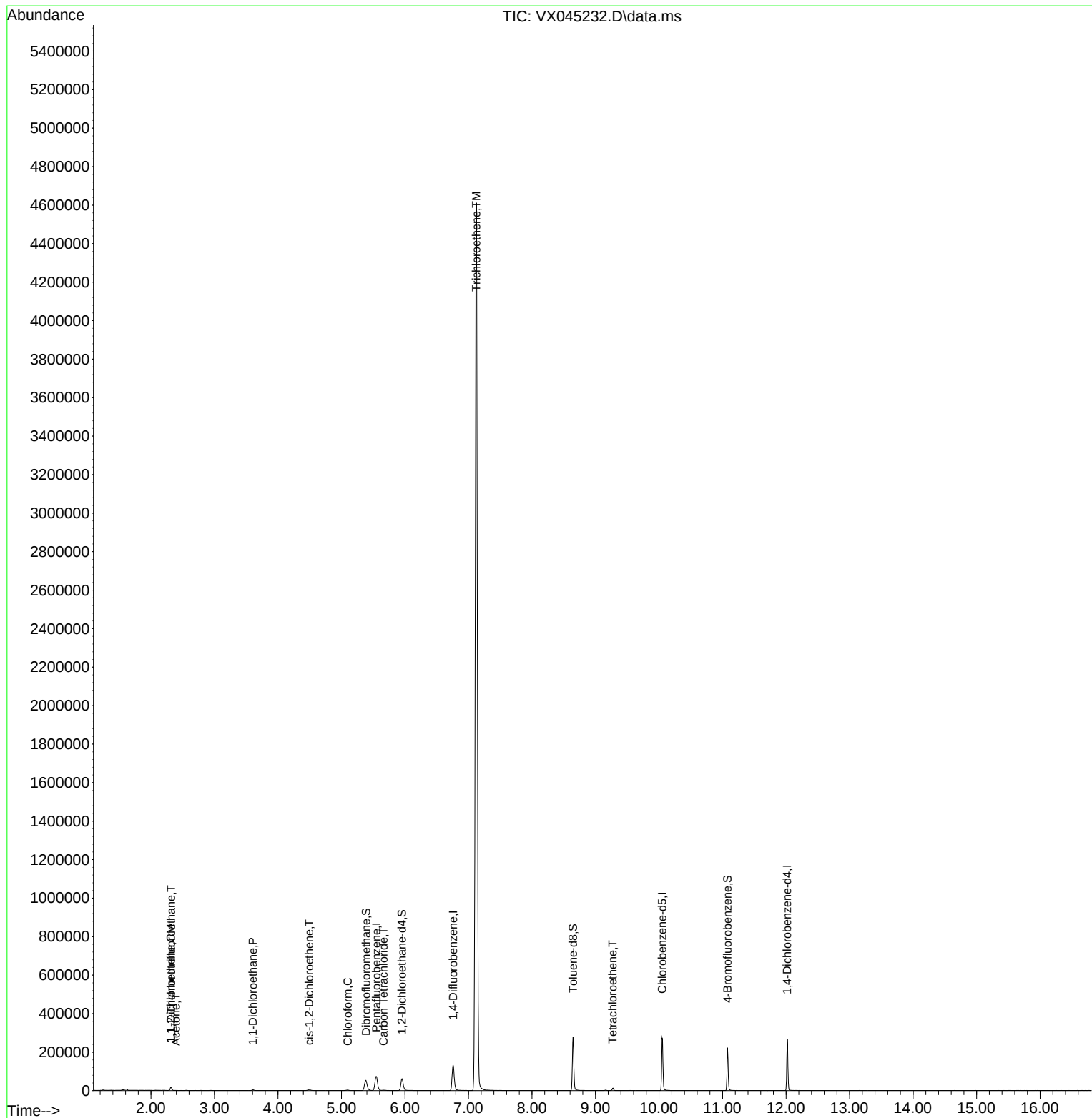
Internal Standards						
1) Pentafluorobenzene	5.550	168	68092	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	135056	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	119344	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	51036	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	58096	53.638	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 107.280%	
35) Dibromofluoromethane	5.385	113	46339	51.312	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 102.620%	
50) Toluene-d8	8.647	98	161285	49.262	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 98.520%	
62) 4-Bromofluorobenzene	11.079	95	56556	52.130	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 104.260%	
Target Compounds						
					Qvalue	
9) 1,1,2-Trichlorotrifluo...	2.319	101	3063	3.870	ug/l	99
12) 1,1-Dichloroethene	2.313	96	3157	3.773	ug/l	97
16) Acetone	2.392	43	814	1.620	ug/l #	85
24) 1,1-Dichloroethane	3.605	63	4476	2.637	ug/l #	88
27) cis-1,2-Dichloroethene	4.489	96	3539	3.468	ug/l	91
30) Chloroform	5.099	83	2927	1.735	ug/l	87
38) Carbon Tetrachloride	5.659	117	1412	1.123	ug/l	93
44) Trichloroethene	7.123	130	1675715	1824.789	ug/l	94
64) Tetrachloroethene	9.269	164	2193	2.869	ug/l	88

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

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RE108D2-20250306

Quant Time: Mar 12 01:53:37 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 2025
Response via : Initial Calibration

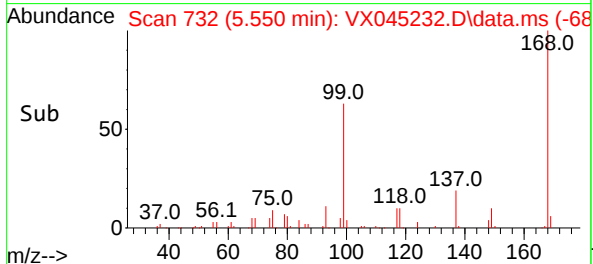
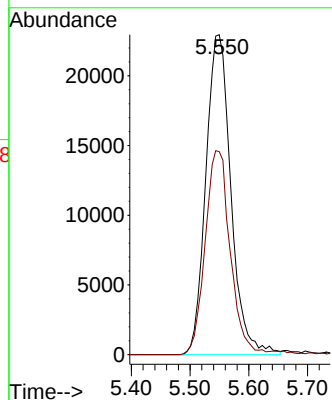
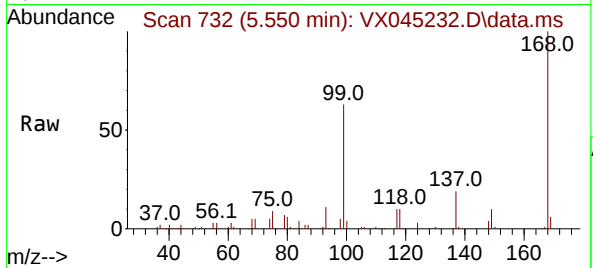




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX045232.D
Acq: 11 Mar 2025 18:16

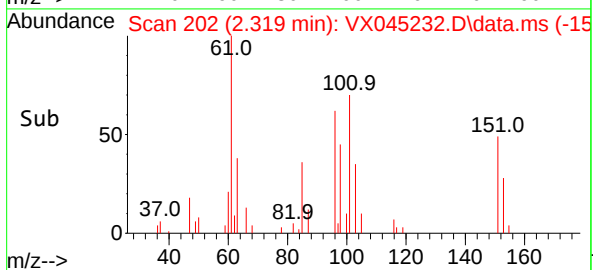
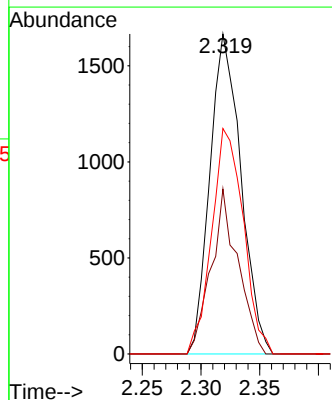
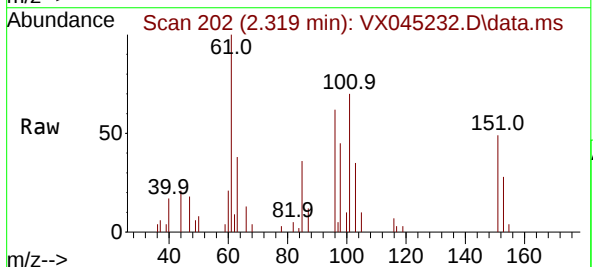
Instrument :
MSVOA_X
ClientSampleId :
RE108D2-20250306

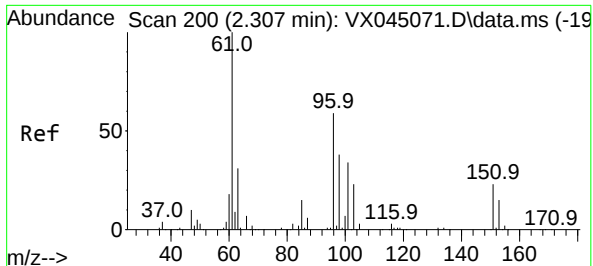
Tgt Ion:168 Resp: 68092
Ion Ratio Lower Upper
168 100
99 63.4 48.2 72.4



#9
1,1,2-Trichlorotrifluoroethane
Concen: 3.870 ug/l
RT: 2.319 min Scan# 202
Delta R.T. 0.006 min
Lab File: VX045232.D
Acq: 11 Mar 2025 18:16

Tgt Ion:101 Resp: 3063
Ion Ratio Lower Upper
101 100
85 44.8 36.2 54.4
151 71.8 56.4 84.6





#12

1,1-Dichloroethene

Concen: 3.773 ug/l

RT: 2.313 min Scan# 20

Delta R.T. 0.006 min

Lab File: VX045232.D

Acq: 11 Mar 2025 18:16

Instrument :

MSVOA_X

ClientSampleId :

RE108D2-20250306

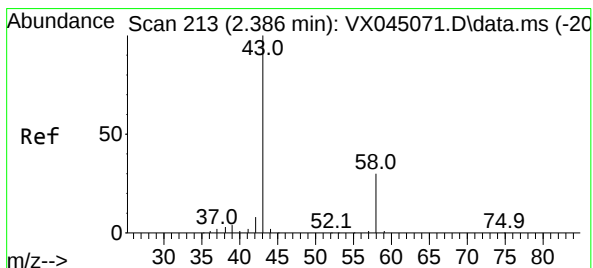
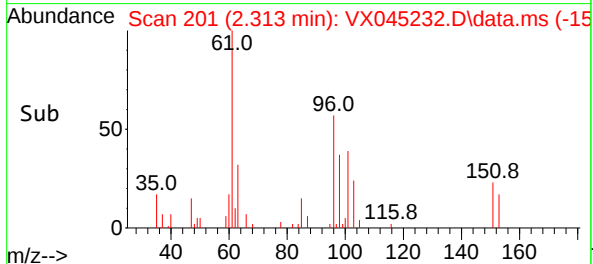
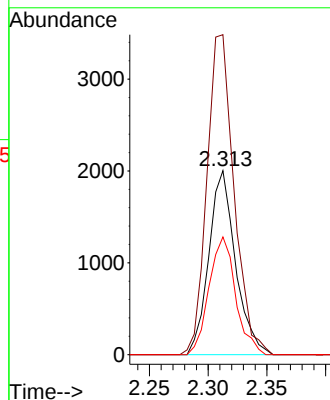
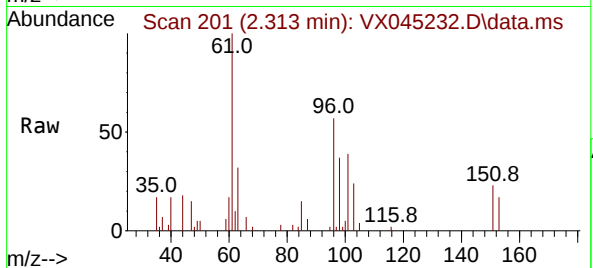
Tgt Ion: 96 Resp: 3157

Ion Ratio Lower Upper

96 100

61 173.9 134.6 202.0

98 64.0 51.0 76.6



#16

Acetone

Concen: 1.620 ug/l

RT: 2.392 min Scan# 214

Delta R.T. 0.006 min

Lab File: VX045232.D

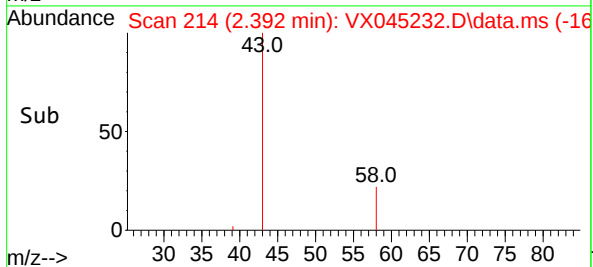
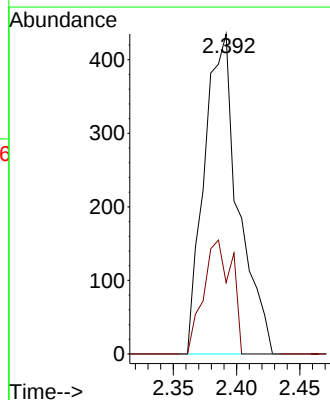
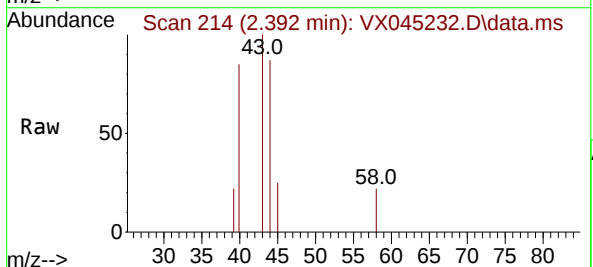
Acq: 11 Mar 2025 18:16

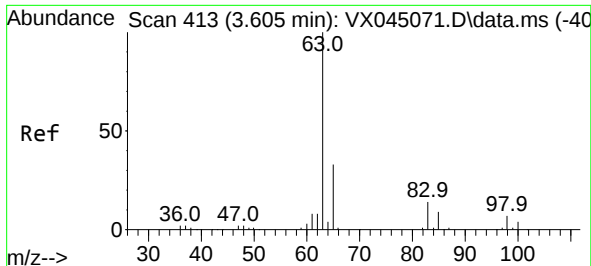
Tgt Ion: 43 Resp: 814

Ion Ratio Lower Upper

43 100

58 22.3 24.2 36.4#

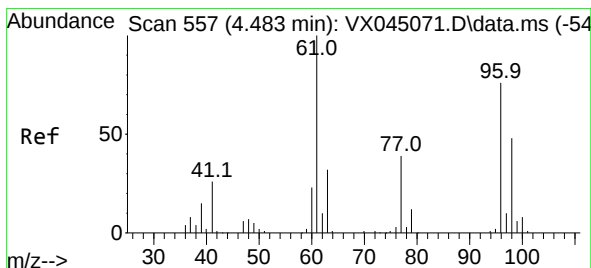
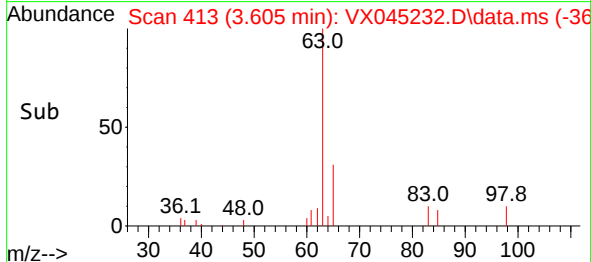
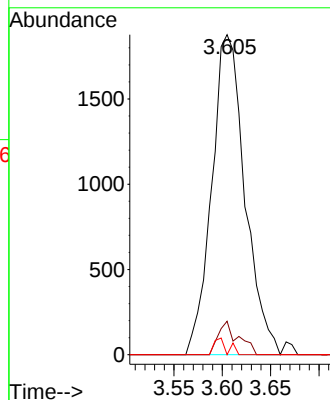
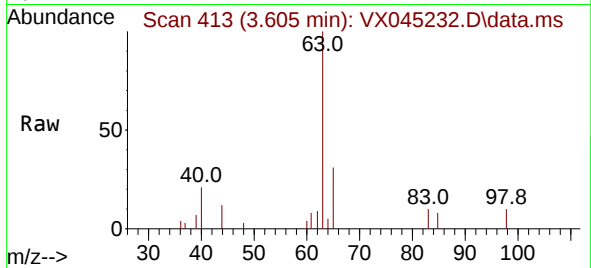




#24
1,1-Dichloroethane
Concen: 2.637 ug/l
RT: 3.605 min Scan# 41
Delta R.T. -0.000 min
Lab File: VX045232.D
Acq: 11 Mar 2025 18:16

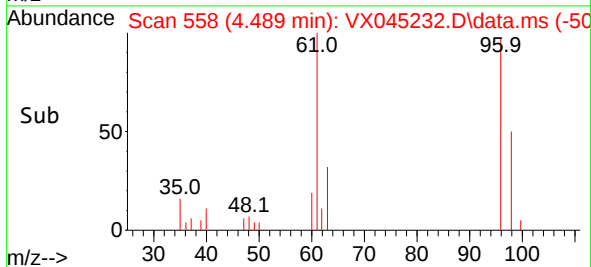
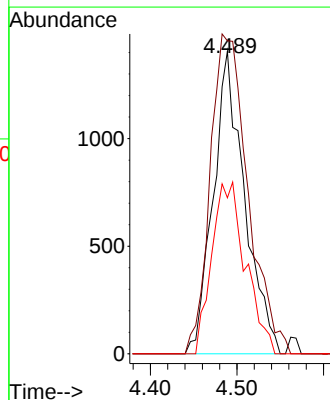
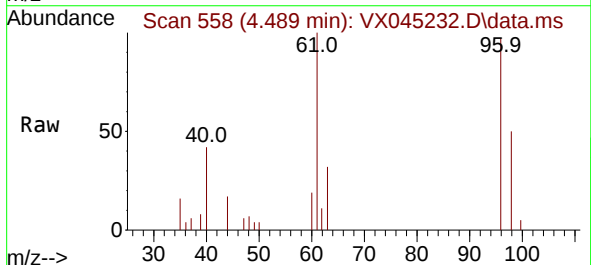
Instrument :
MSVOA_X
ClientSampleId :
RE108D2-20250306

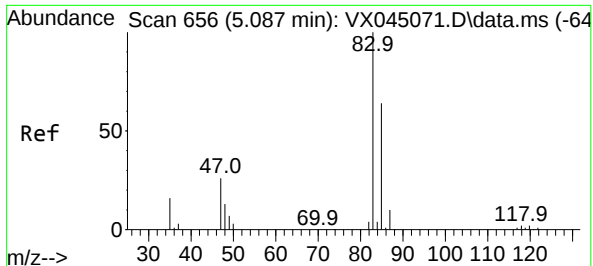
Tgt Ion: 63 Resp: 4476
Ion Ratio Lower Upper
63 100
98 10.4 3.4 10.2#
100 0.0 2.1 6.5#



#27
cis-1,2-Dichloroethene
Concen: 3.468 ug/l
RT: 4.489 min Scan# 558
Delta R.T. 0.006 min
Lab File: VX045232.D
Acq: 11 Mar 2025 18:16

Tgt Ion: 96 Resp: 3539
Ion Ratio Lower Upper
96 100
61 127.1 0.0 283.2
98 60.9 0.0 128.0





#30

Chloroform

Concen: 1.735 ug/l

RT: 5.099 min Scan# 61

Delta R.T. 0.012 min

Lab File: VX045232.D

Acq: 11 Mar 2025 18:16

Instrument :

MSVOA_X

ClientSampleId :

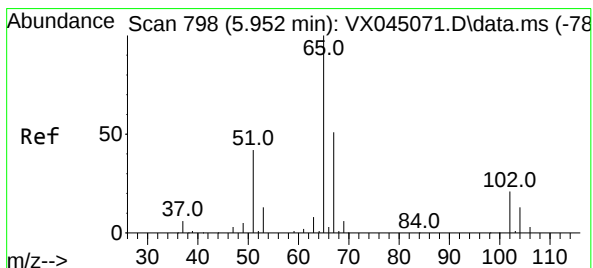
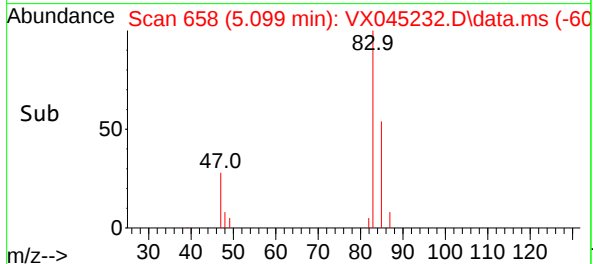
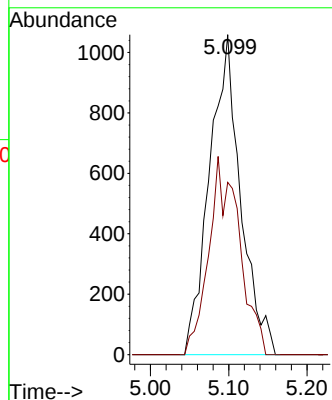
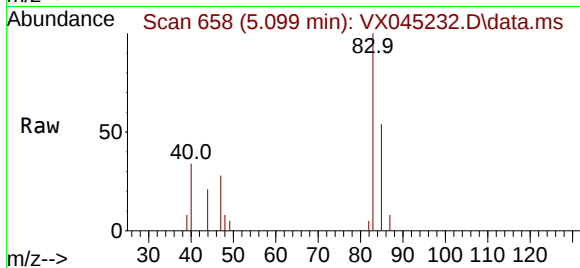
RE108D2-20250306

Tgt Ion: 83 Resp: 2927

Ion Ratio Lower Upper

83 100

85 53.8 51.4 77.2



#33

1,2-Dichloroethane-d4

Concen: 53.638 ug/l

RT: 5.952 min Scan# 798

Delta R.T. -0.000 min

Lab File: VX045232.D

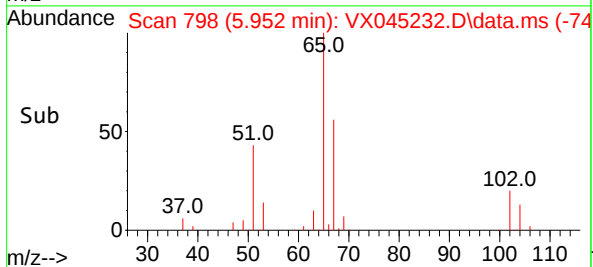
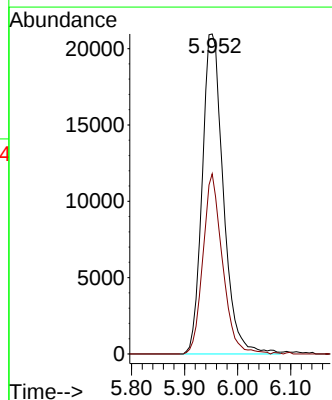
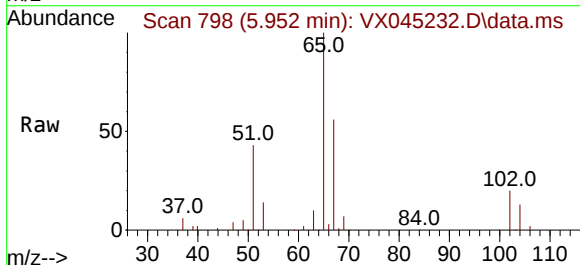
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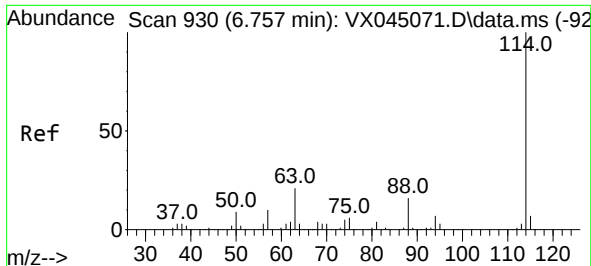
Tgt Ion: 65 Resp: 58096

Ion Ratio Lower Upper

65 100

67 52.0 0.0 106.2

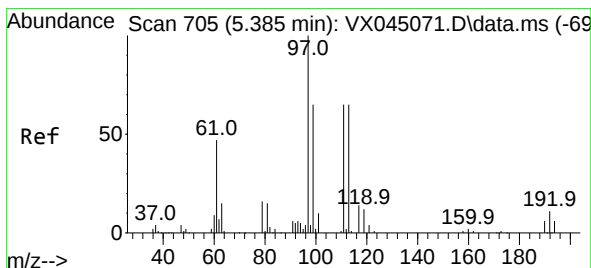
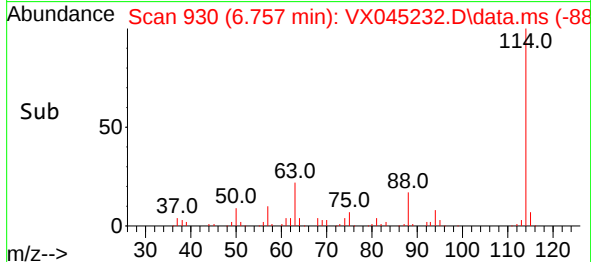
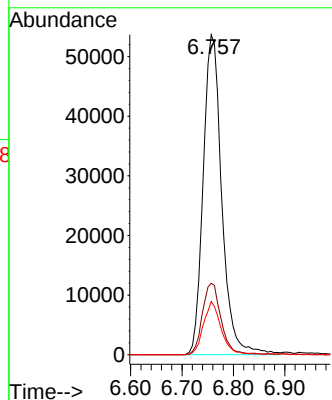
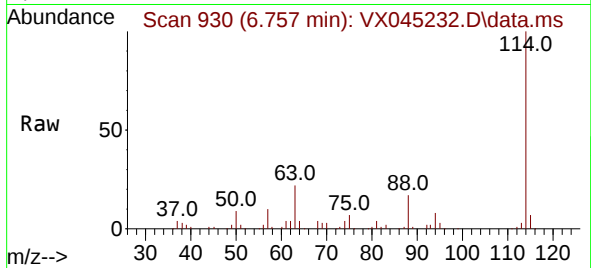




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.757 min Scan# 91
 Delta R.T. -0.000 min
 Lab File: VX045232.D
 Acq: 11 Mar 2025 18:16

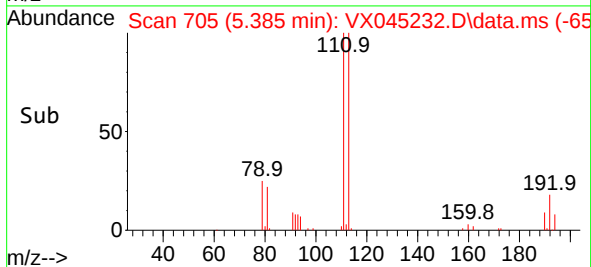
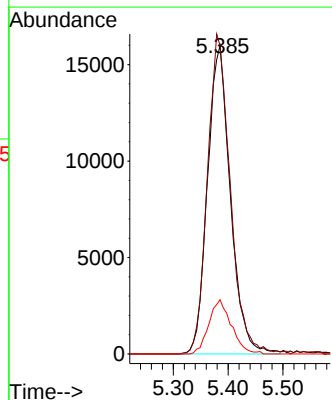
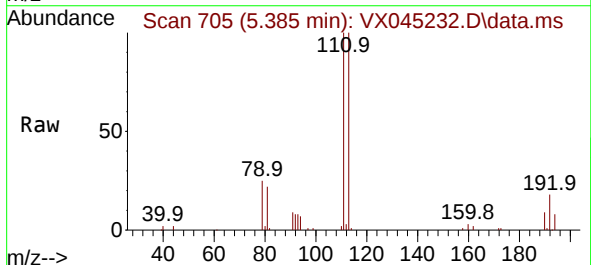
Instrument :
 MSVOA_X
 ClientSampleId :
 RE108D2-20250306

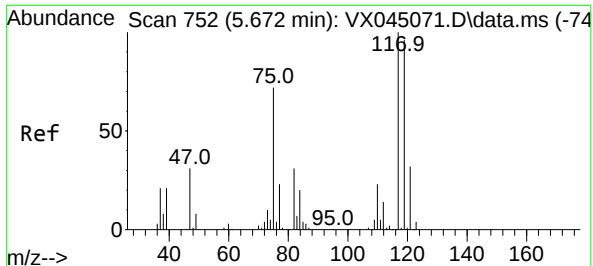
Tgt Ion:114 Resp: 135056
 Ion Ratio Lower Upper
 114 100
 63 22.3 0.0 41.8
 88 16.6 0.0 32.8



#35
 Dibromofluoromethane
 Concen: 51.312 ug/l
 RT: 5.385 min Scan# 705
 Delta R.T. -0.000 min
 Lab File: VX045232.D
 Acq: 11 Mar 2025 18:16

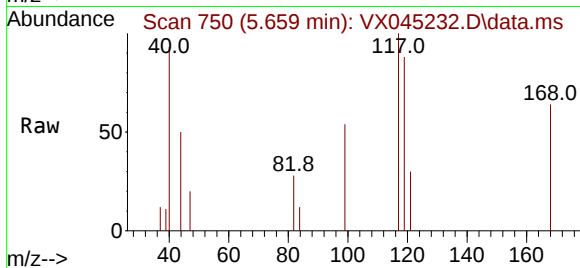
Tgt Ion:113 Resp: 46339
 Ion Ratio Lower Upper
 113 100
 111 103.7 81.8 122.6
 192 17.4 14.3 21.5



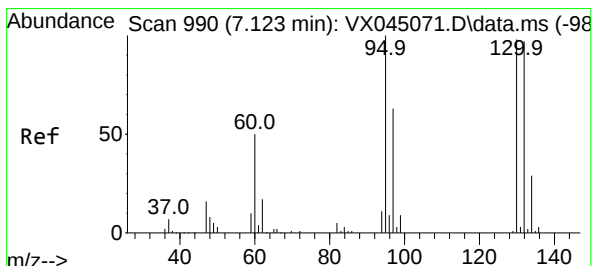
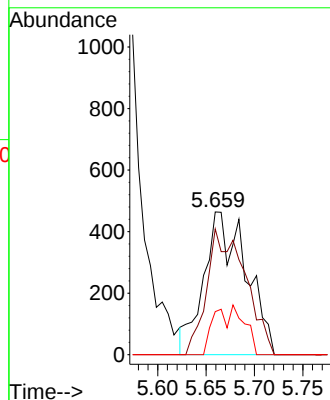
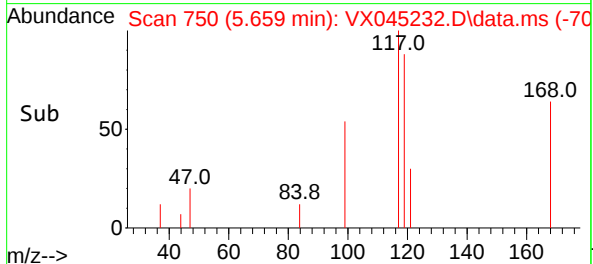


#38
Carbon Tetrachloride
Concen: 1.123 ug/l
RT: 5.659 min Scan# 750
Delta R.T. -0.012 min
Lab File: VX045232.D
Acq: 11 Mar 2025 18:16

Instrument :
MSVOA_X
ClientSampleId :
RE108D2-20250306

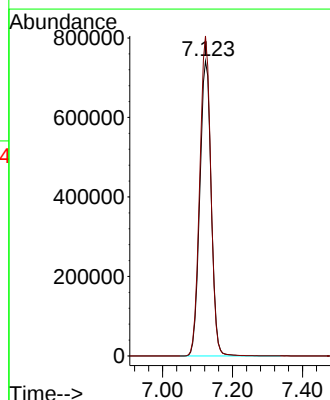
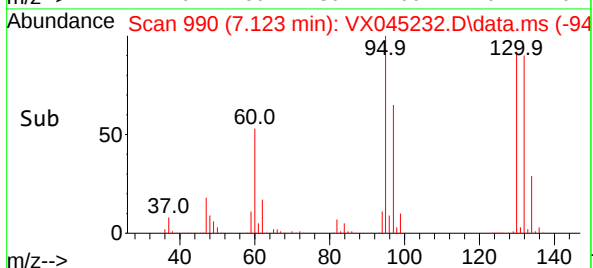
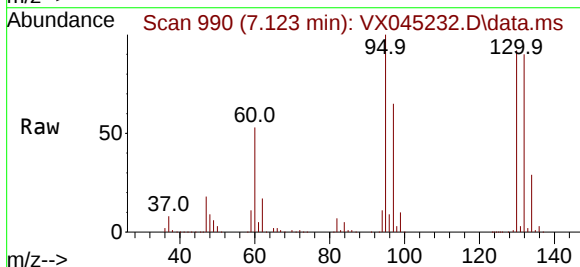


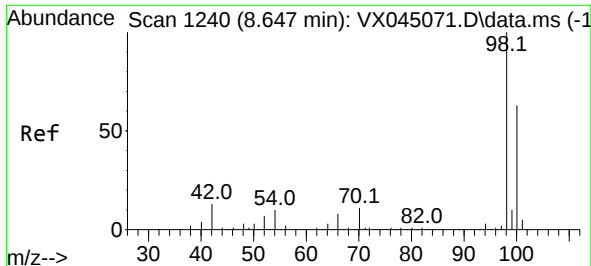
Tgt Ion:117 Resp: 1412
Ion Ratio Lower Upper
117 100
119 88.1 76.7 115.1
121 30.2 25.5 38.3



#44
Trichloroethene
Concen: 1824.789 ug/l
RT: 7.123 min Scan# 990
Delta R.T. -0.000 min
Lab File: VX045232.D
Acq: 11 Mar 2025 18:16

Tgt Ion:130 Resp: 1675715
Ion Ratio Lower Upper
130 100
95 108.5 0.0 205.0

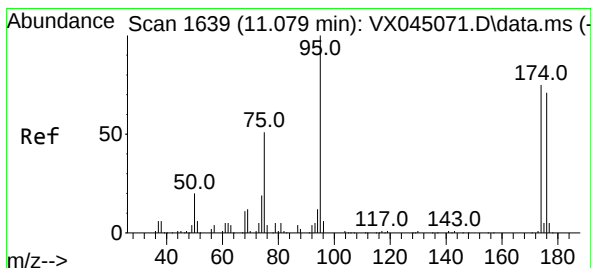
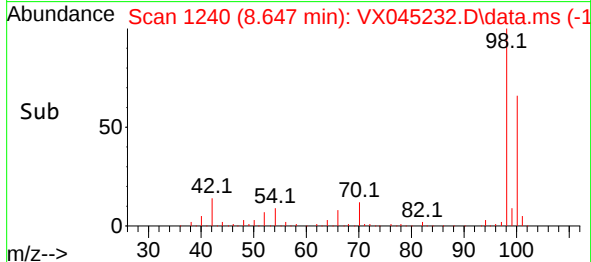
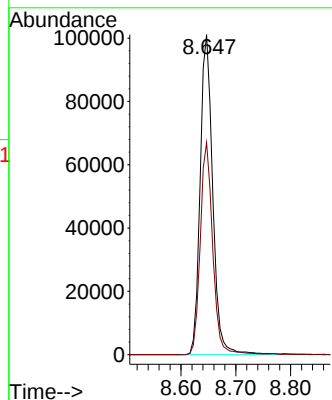
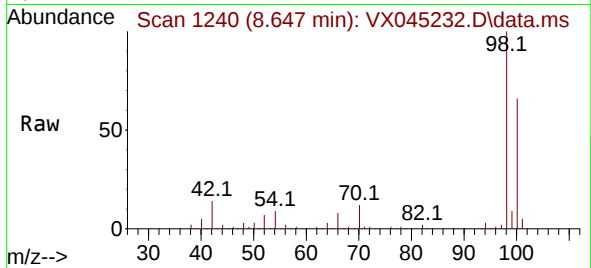




#50
Toluene-d8
Concen: 49.262 ug/l
RT: 8.647 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX045232.D
Acq: 11 Mar 2025 18:16

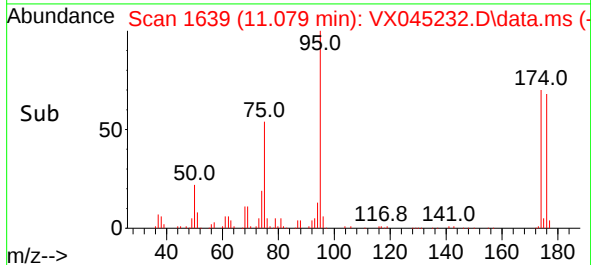
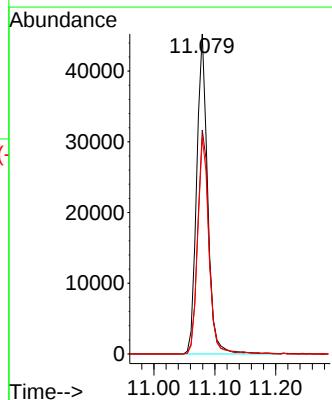
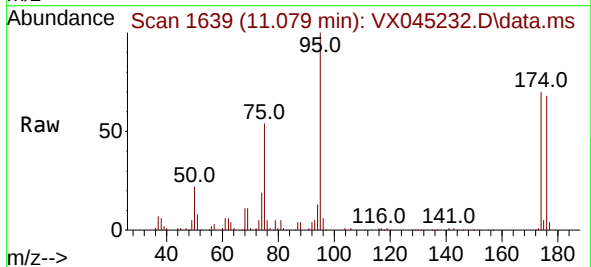
Instrument :
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RE108D2-20250306

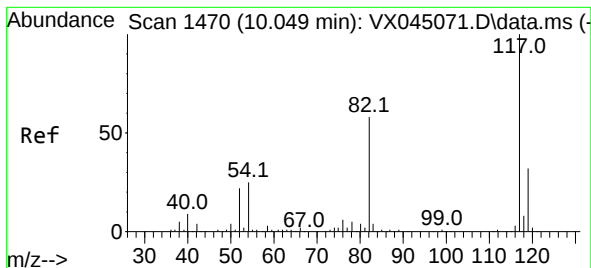
Tgt Ion: 98 Resp: 161285
Ion Ratio Lower Upper
98 100
100 65.8 52.0 78.0



#62
4-Bromofluorobenzene
Concen: 52.130 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX045232.D
Acq: 11 Mar 2025 18:16

Tgt Ion: 95 Resp: 56556
Ion Ratio Lower Upper
95 100
174 71.7 0.0 148.2
176 68.3 0.0 141.4

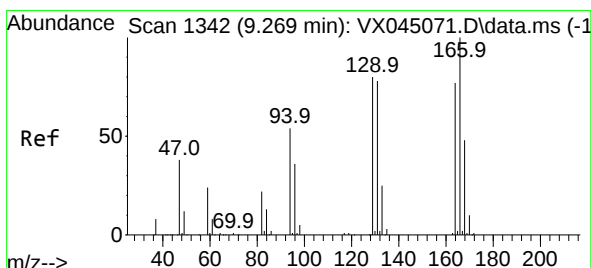
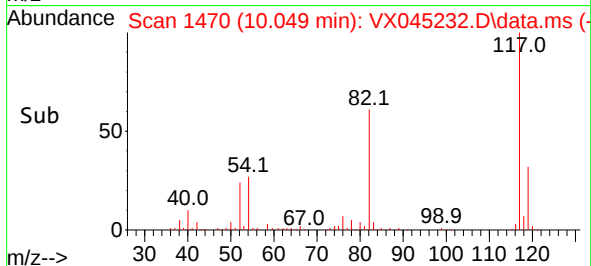
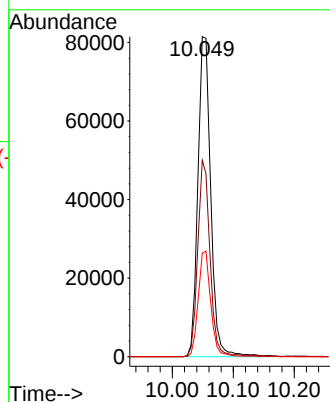
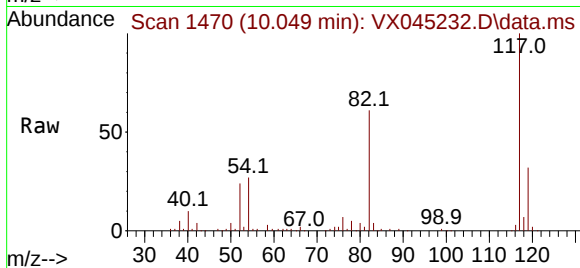




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 1470
Delta R.T. -0.000 min
Lab File: VX045232.D
Acq: 11 Mar 2025 18:16

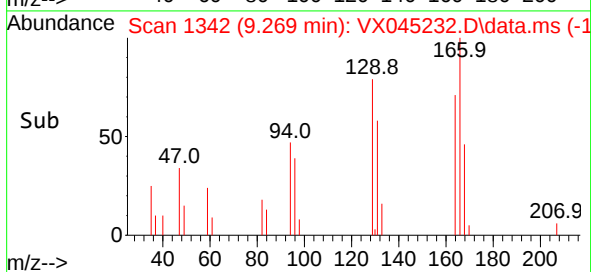
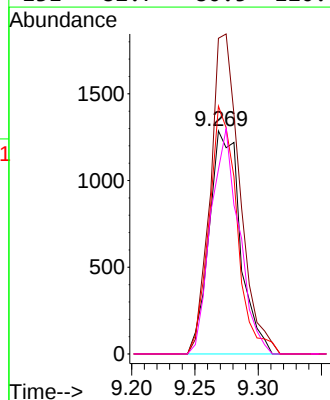
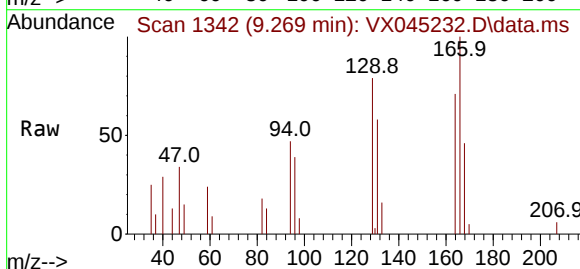
Instrument :
MSVOA_X
ClientSampleId :
RE108D2-20250306

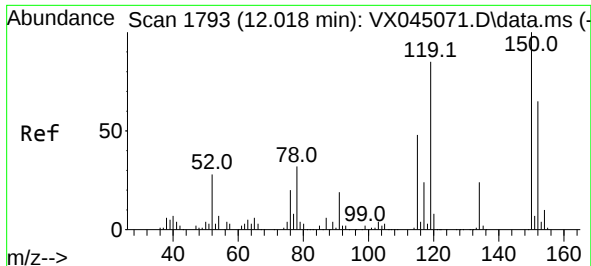
Tgt Ion:117 Resp: 119344
Ion Ratio Lower Upper
117 100
82 61.4 46.3 69.5
119 32.3 25.7 38.5



#64
Tetrachloroethene
Concen: 2.869 ug/l
RT: 9.269 min Scan# 1342
Delta R.T. -0.000 min
Lab File: VX045232.D
Acq: 11 Mar 2025 18:16

Tgt Ion:164 Resp: 2193
Ion Ratio Lower Upper
164 100
166 141.5 103.6 155.4
129 111.1 82.7 124.1
131 82.7 80.5 120.7





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.018 min Scan# 11

Delta R.T. -0.000 min

Lab File: VX045232.D

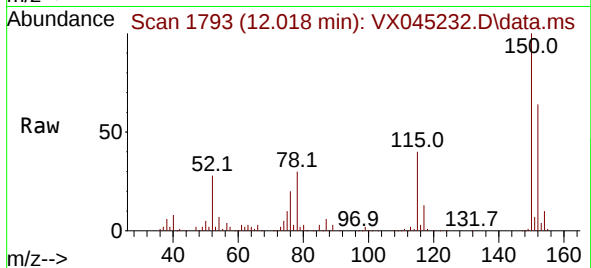
Acq: 11 Mar 2025 18:16

Instrument :

MSVOA_X

ClientSampleId :

RE108D2-20250306



Tgt Ion:152 Resp: 51036

Ion Ratio Lower Upper

152 100

115 62.0 44.2 132.6

150 160.7 0.0 349.0

