

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032125\
 Data File : VX045396.D
 Acq On : 21 Mar 2025 18:21
 Operator : JC/MD
 Sample : Q1608-03
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 RE139D2-20250317

Quant Time: Mar 21 23:19:35 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)

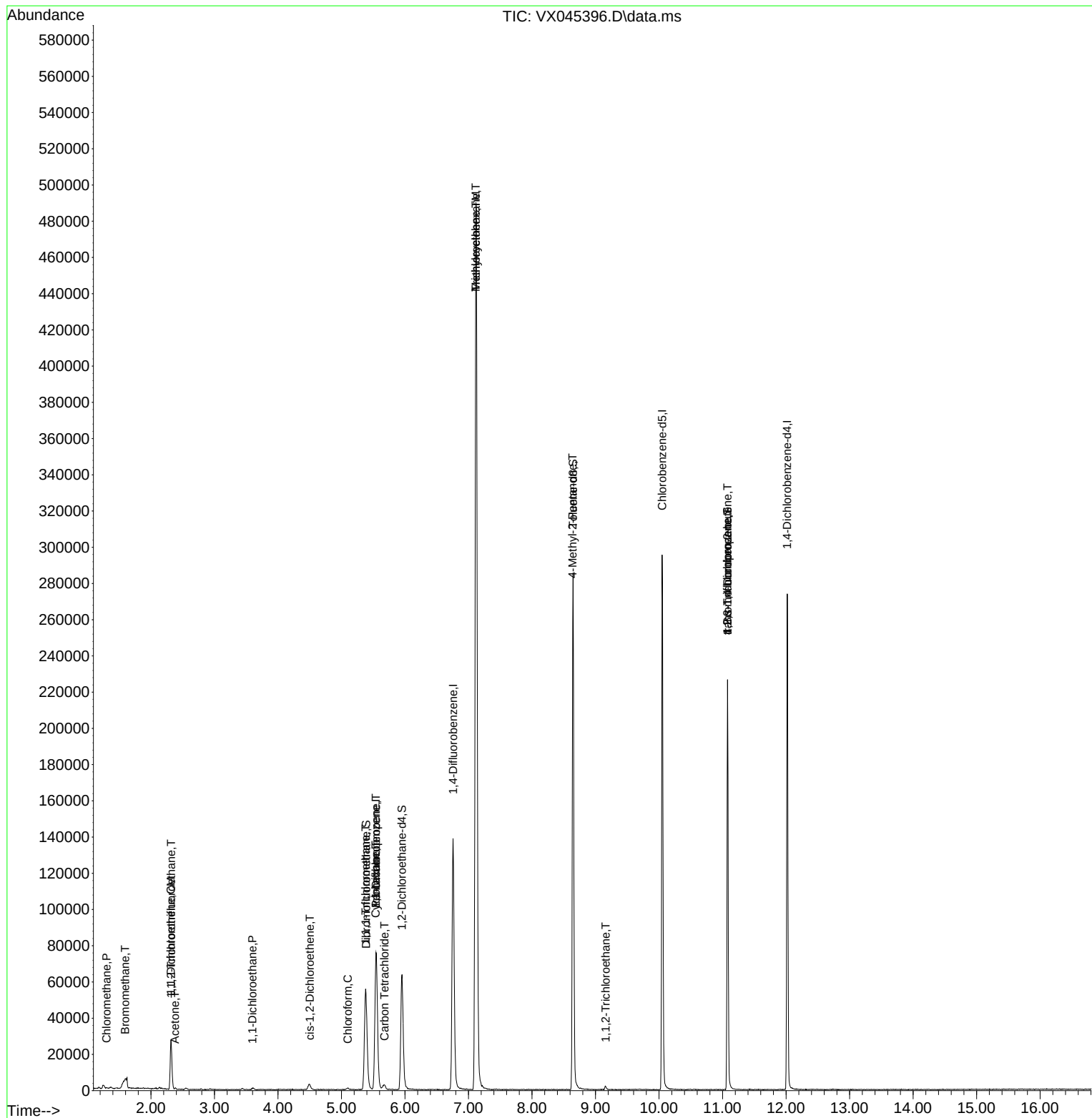
Internal Standards						
1) Pentafluorobenzene	5.544	168	66410	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	131424	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	121699	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	50801	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	62856	59.503	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	119.000%
35) Dibromofluoromethane	5.385	113	47872	54.474	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	108.940%
50) Toluene-d8	8.647	98	163480	51.313	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	102.620%
62) 4-Bromofluorobenzene	11.079	95	56775	53.778	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	107.560%
Target Compounds						
					Qvalue	
3) Chloromethane	1.300	50	379	0.370	ug/l #	43
5) Bromomethane	1.593	94	82	0.206	ug/l #	3
9) 1,1,2-Trichlorotrifluo...	2.318	101	5497	7.122	ug/l	98
12) 1,1-Dichloroethene	2.312	96	5185	6.354	ug/l	95
16) Acetone	2.379	43	886	1.808	ug/l	94
24) 1,1-Dichloroethane	3.599	63	1384	0.836	ug/l #	83
27) cis-1,2-Dichloroethene	4.501	96	1948	1.957	ug/l	95
30) Chloroform	5.098	83	924	0.562	ug/l	95
31) Cyclohexane	5.537	56	1862	1.296	ug/l #	35
32) 1,1,1-Trichloroethane	5.379	97	462	0.348	ug/l #	53
36) 1,1-Dichloropropene	5.544	75	6486	5.382	ug/l #	50
38) Carbon Tetrachloride	5.678	117	2096	1.713	ug/l	90
39) Methylcyclohexane	7.116	83	2395	1.658	ug/l #	1
44) Trichloroethene	7.116	130	180938	202.480	ug/l	98
51) 4-Methyl-2-Pentanone	8.641	43	865	0.561	ug/l #	1
55) 1,1,2-Trichloroethane	9.159	97	651	0.708	ug/l #	84
76) 1,2,3-Trichloropropane	11.079	75	33098	27.992	ug/l #	36
81) trans-1,4-Dichloro-2-b...	11.079	75	33098	95.795	ug/l #	6

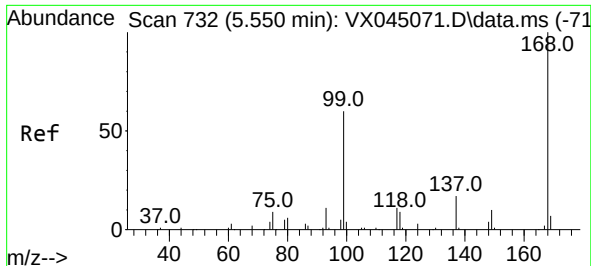
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Instrument :
MSVOA_X
ClientSampleId :
RE139D2-20250317

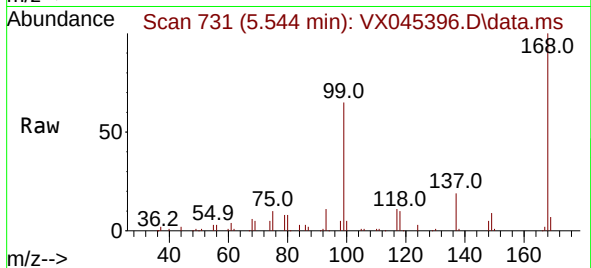
Quant Time: Mar 21 23:19:35 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 2025
Response via : Initial Calibration



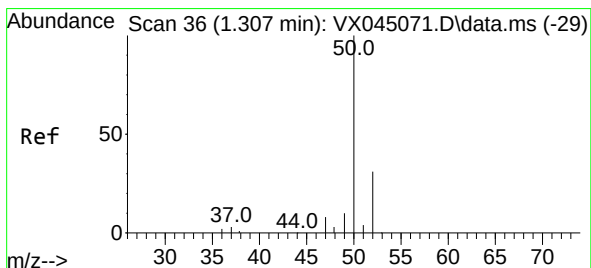
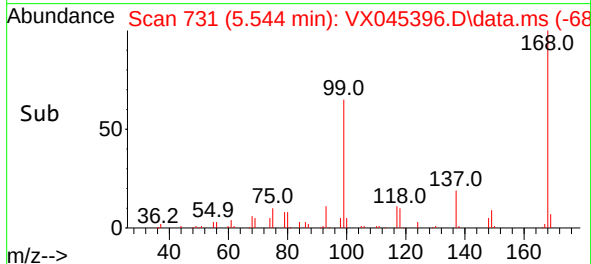
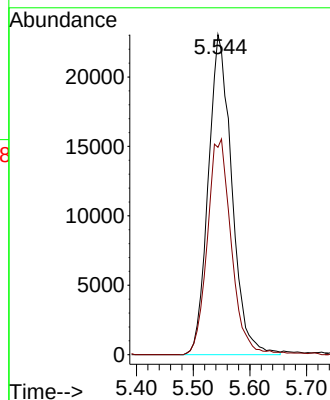


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX045396.D
Acq: 21 Mar 2025 18:21

Instrument :
MSVOA_X
ClientSampleId :
RE139D2-20250317

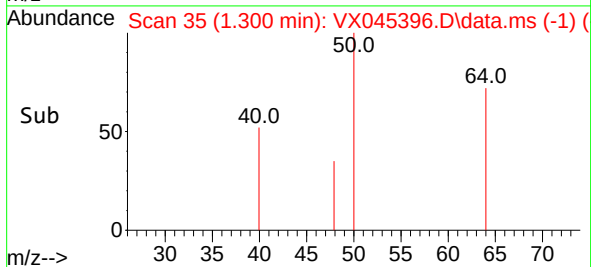
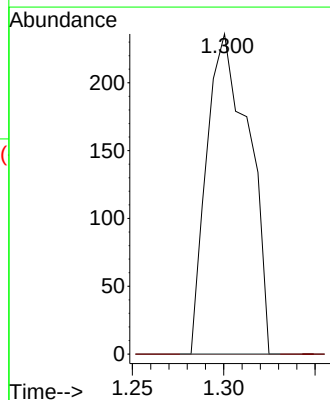
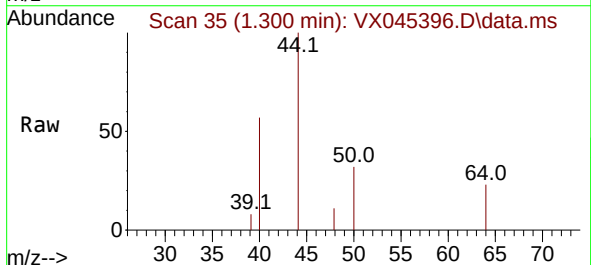


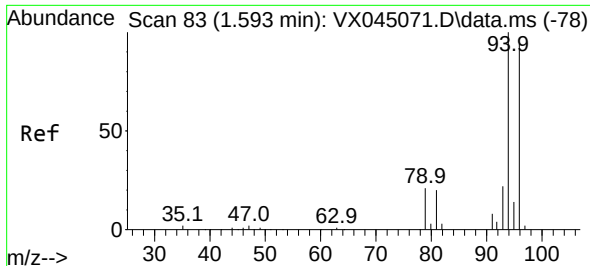
Tgt Ion:168 Resp: 66410
Ion Ratio Lower Upper
168 100
99 64.8 48.2 72.4



#3
Chloromethane
Concen: 0.370 ug/l
RT: 1.300 min Scan# 35
Delta R.T. -0.006 min
Lab File: VX045396.D
Acq: 21 Mar 2025 18:21

Tgt Ion: 50 Resp: 379
Ion Ratio Lower Upper
50 100
52 0.0 25.0 37.4#

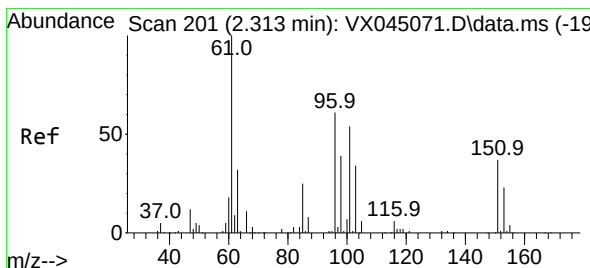
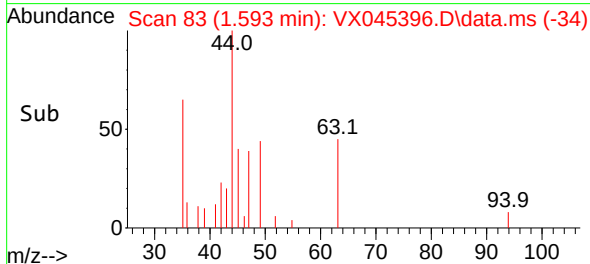
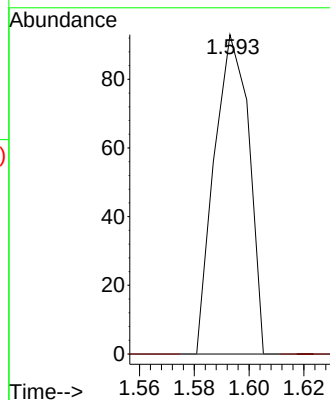
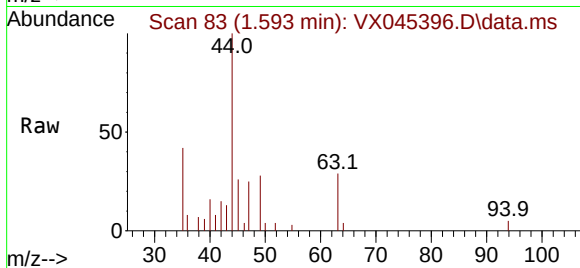




#5
Bromomethane
Concen: 0.206 ug/l
RT: 1.593 min Scan# 81
Delta R.T. -0.000 min
Lab File: VX045396.D
Acq: 21 Mar 2025 18:21

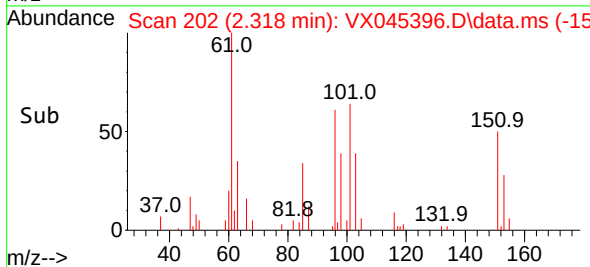
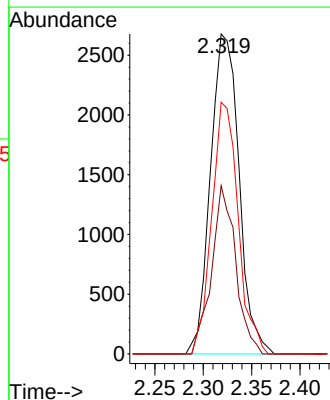
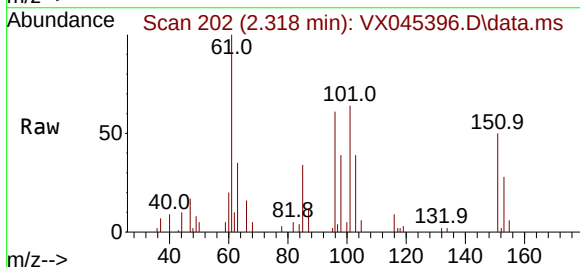
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ClientSampleId :
RE139D2-20250317

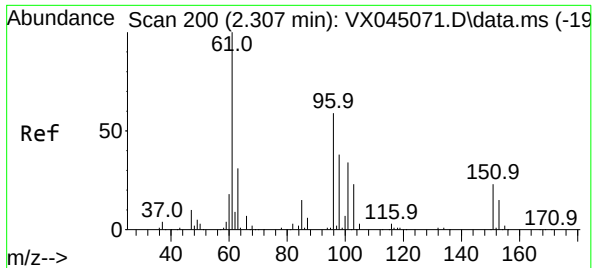
Tgt Ion: 94 Resp: 82
Ion Ratio Lower Upper
94 100
96 0.0 75.0 112.4#



#9
1,1,2-Trichlorotrifluoroethane
Concen: 7.122 ug/l
RT: 2.318 min Scan# 202
Delta R.T. 0.006 min
Lab File: VX045396.D
Acq: 21 Mar 2025 18:21

Tgt Ion:101 Resp: 5497
Ion Ratio Lower Upper
101 100
85 44.4 36.2 54.4
151 72.8 56.4 84.6

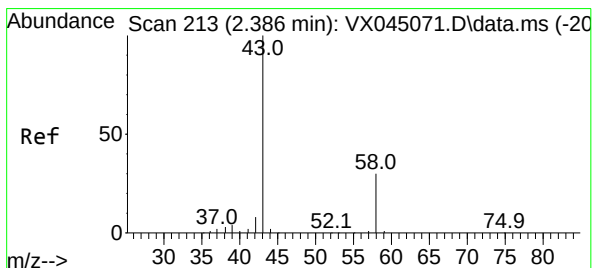
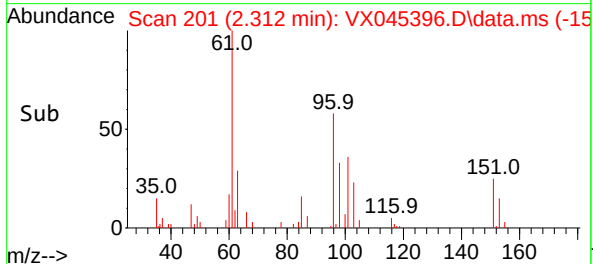
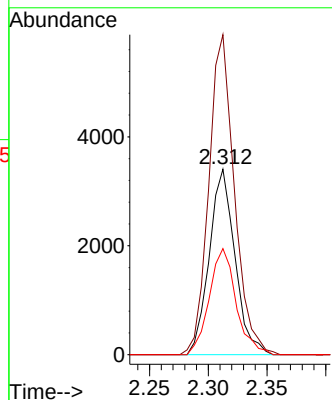
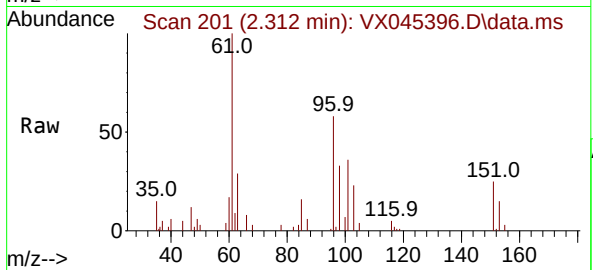




#12
1,1-Dichloroethene
Concen: 6.354 ug/l
RT: 2.312 min Scan# 20
Delta R.T. 0.006 min
Lab File: VX045396.D
Acq: 21 Mar 2025 18:21

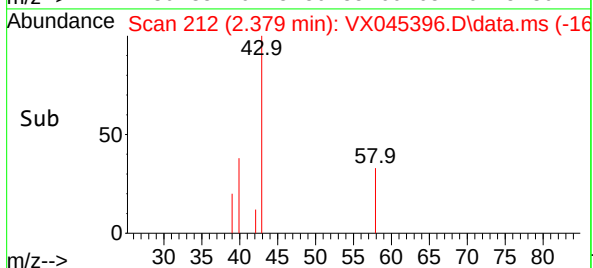
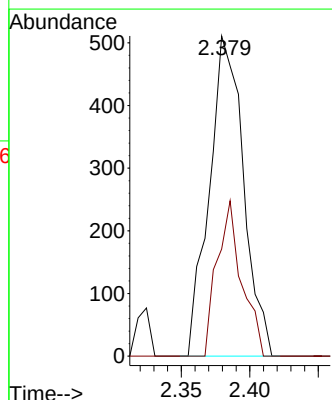
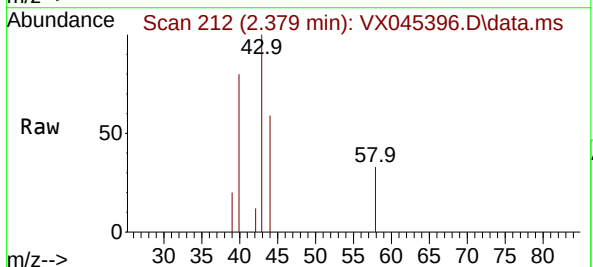
Instrument :
MSVOA_X
ClientSampleId :
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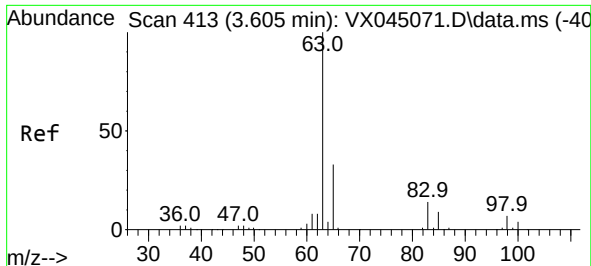
Tgt Ion: 96 Resp: 5185
Ion Ratio Lower Upper
96 100
61 172.6 134.6 202.0
98 57.2 51.0 76.6



#16
Acetone
Concen: 1.808 ug/l
RT: 2.379 min Scan# 212
Delta R.T. -0.006 min
Lab File: VX045396.D
Acq: 21 Mar 2025 18:21

Tgt Ion: 43 Resp: 886
Ion Ratio Lower Upper
43 100
58 33.5 24.2 36.4

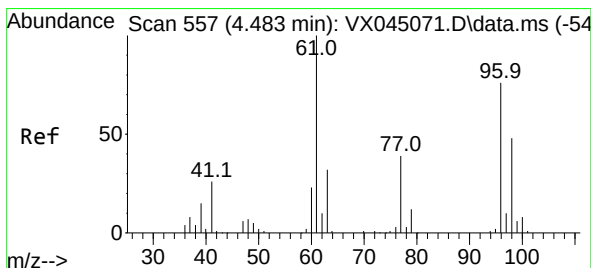
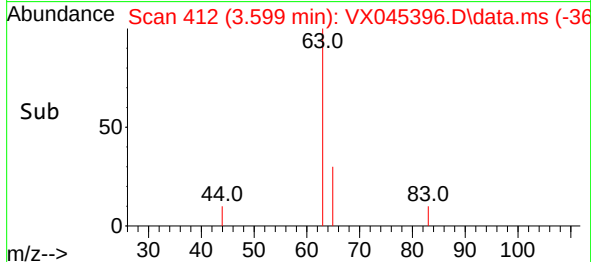
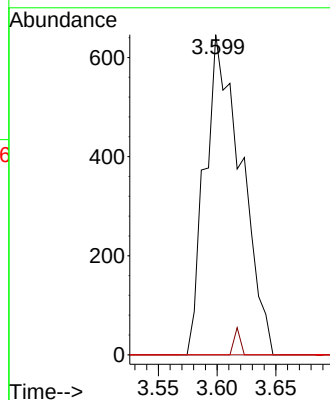
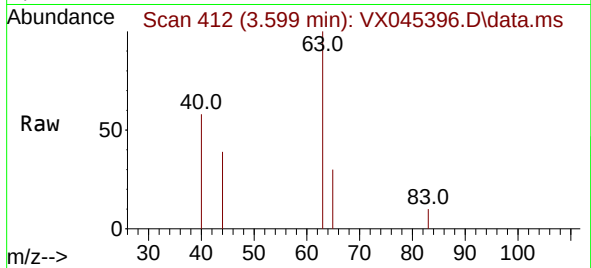




#24
1,1-Dichloroethane
Concen: 0.836 ug/l
RT: 3.599 min Scan# 41
Delta R.T. -0.006 min
Lab File: VX045396.D
Acq: 21 Mar 2025 18:21

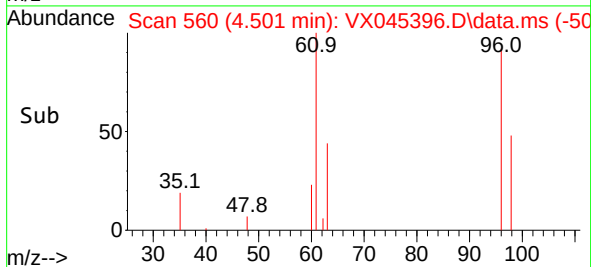
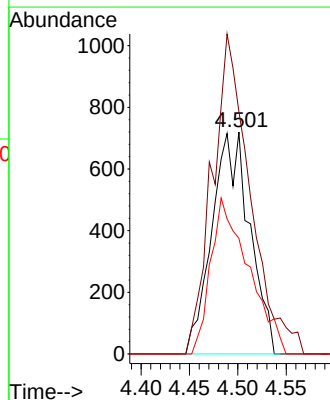
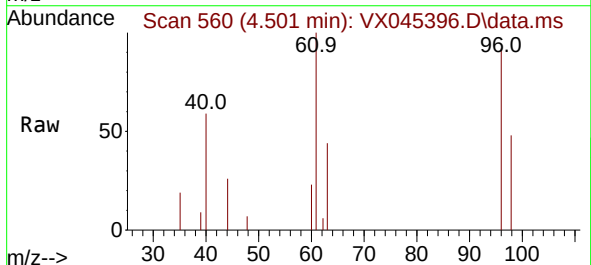
Instrument :
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RE139D2-20250317

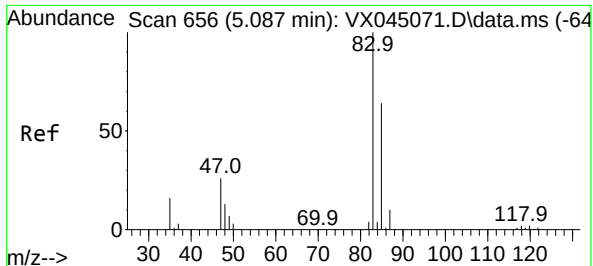
Tgt Ion: 63 Resp: 1384
Ion Ratio Lower Upper
63 100
98 0.0 3.4 10.2#
100 0.0 2.1 6.5#



#27
cis-1,2-Dichloroethene
Concen: 1.957 ug/l
RT: 4.501 min Scan# 560
Delta R.T. 0.018 min
Lab File: VX045396.D
Acq: 21 Mar 2025 18:21

Tgt Ion: 96 Resp: 1948
Ion Ratio Lower Upper
96 100
61 145.2 0.0 283.2
98 70.7 0.0 128.0

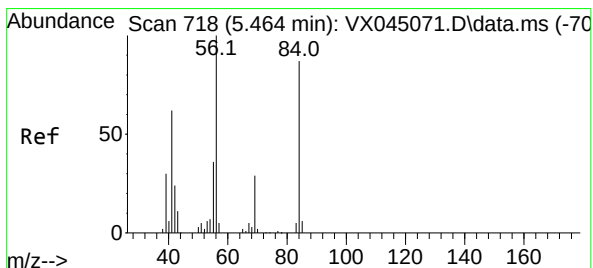
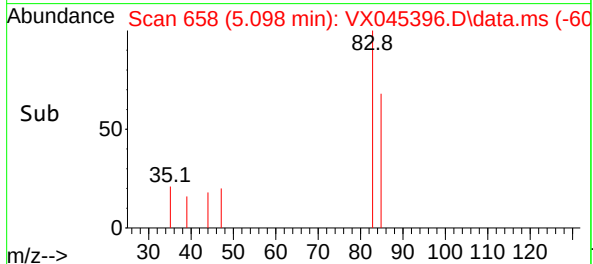
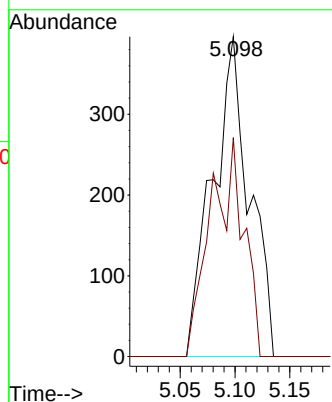
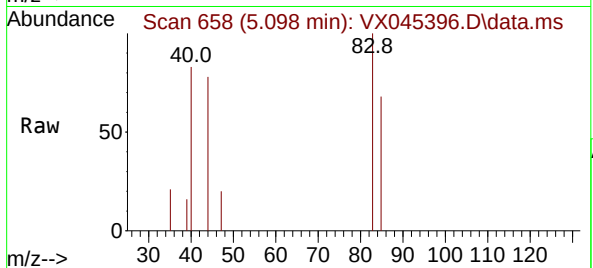




#30
Chloroform
Concen: 0.562 ug/l
RT: 5.098 min Scan# 610
Delta R.T. 0.012 min
Lab File: VX045396.D
Acq: 21 Mar 2025 18:21

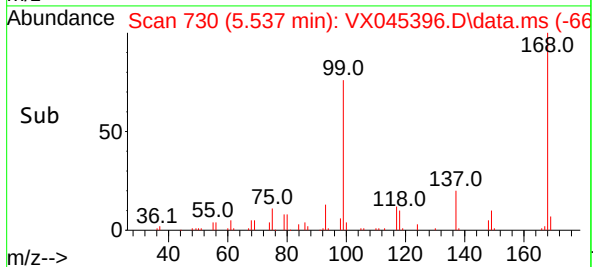
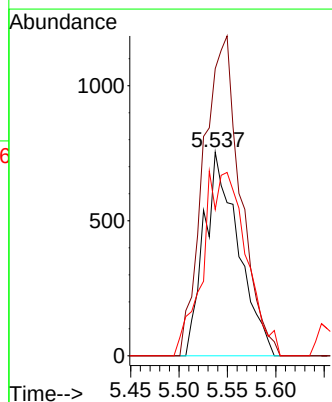
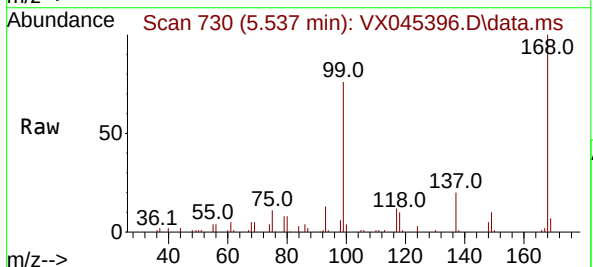
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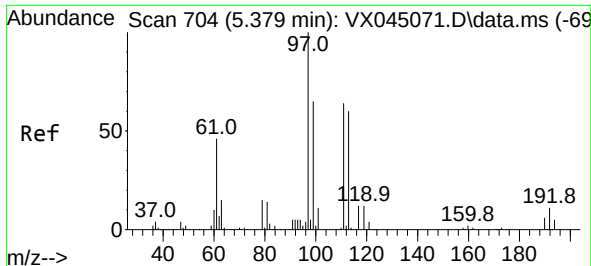
Tgt Ion: 83 Resp: 924
Ion Ratio Lower Upper
83 100
85 68.4 51.4 77.2



#31
Cyclohexane
Concen: 1.296 ug/l
RT: 5.537 min Scan# 730
Delta R.T. 0.073 min
Lab File: VX045396.D
Acq: 21 Mar 2025 18:21

Tgt Ion: 56 Resp: 1862
Ion Ratio Lower Upper
56 100
69 141.0 23.4 35.2#
84 71.9 69.4 104.2

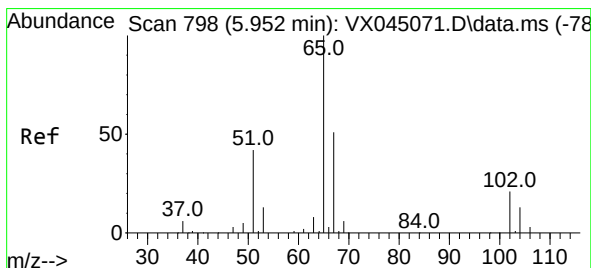
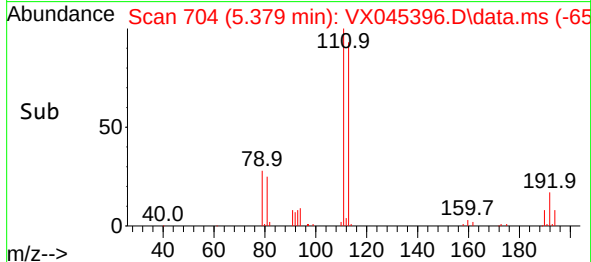
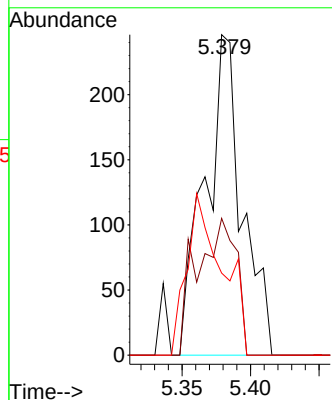
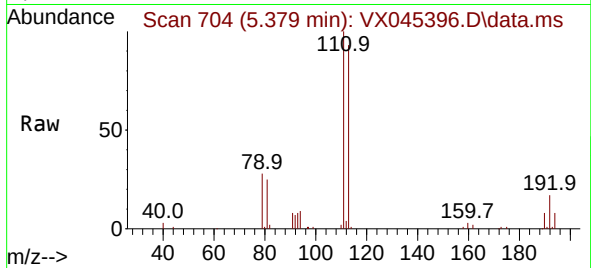




#32
 1,1,1-Trichloroethane
 Concen: 0.348 ug/l
 RT: 5.379 min Scan# 704
 Delta R.T. -0.000 min
 Lab File: VX045396.D
 Acq: 21 Mar 2025 18:21

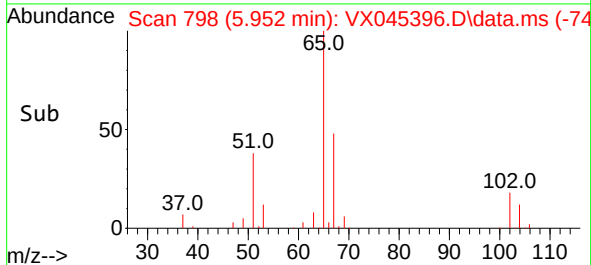
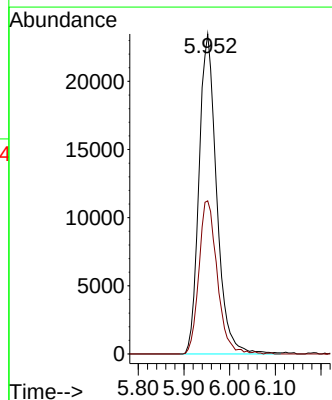
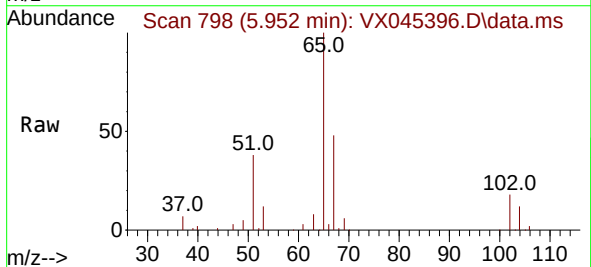
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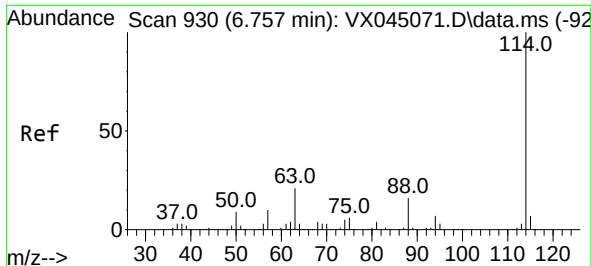
Tgt Ion: 97 Resp: 462
 Ion Ratio Lower Upper
 97 100
 99 0.0 51.6 77.4#
 61 48.3 38.4 57.6



#33
 1,2-Dichloroethane-d4
 Concen: 59.503 ug/l
 RT: 5.952 min Scan# 798
 Delta R.T. -0.000 min
 Lab File: VX045396.D
 Acq: 21 Mar 2025 18:21

Tgt Ion: 65 Resp: 62856
 Ion Ratio Lower Upper
 65 100
 67 49.5 0.0 106.2

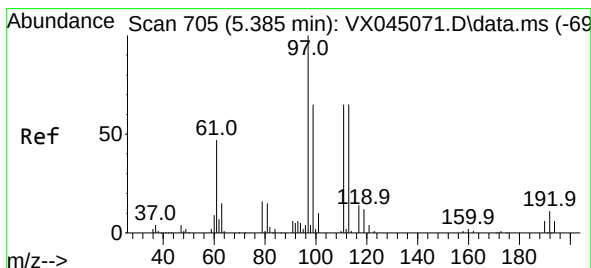
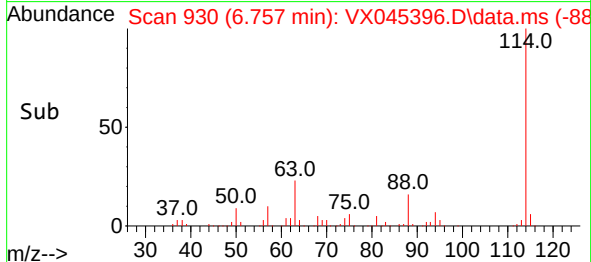
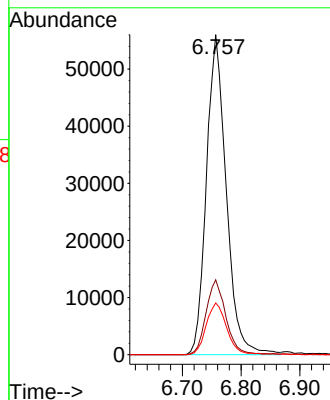
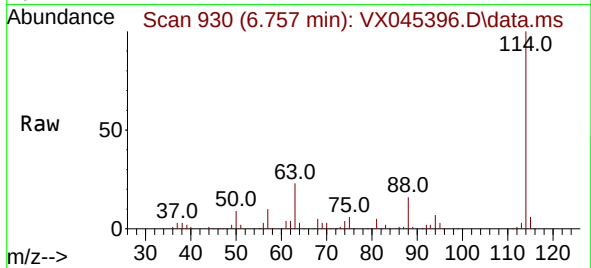




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 91
Delta R.T. -0.000 min
Lab File: VX045396.D
Acq: 21 Mar 2025 18:21

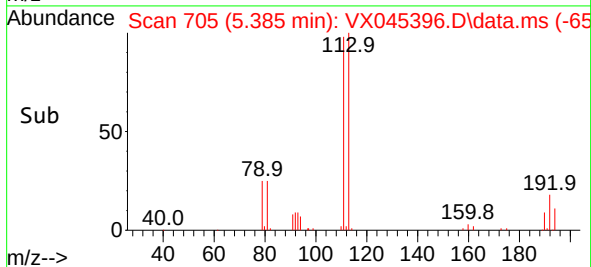
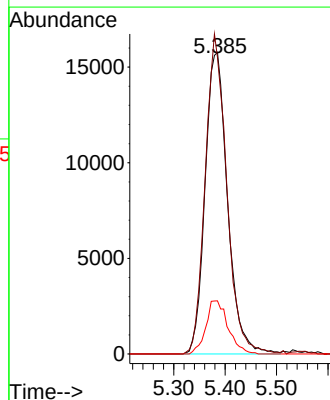
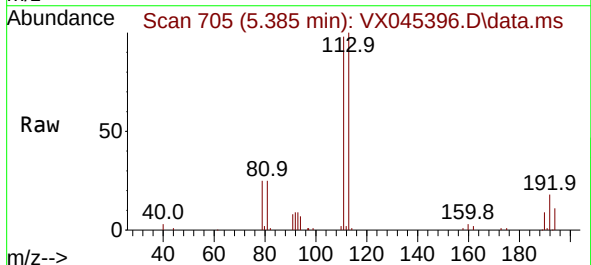
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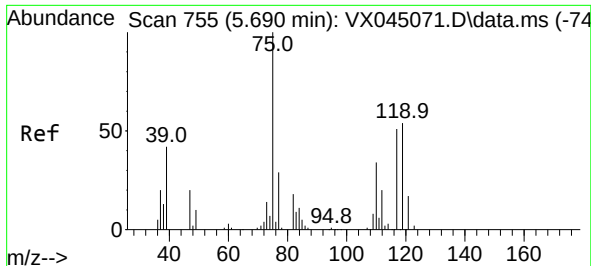
Tgt Ion:114 Resp: 131424
Ion Ratio Lower Upper
114 100
63 23.4 0.0 41.8
88 16.1 0.0 32.8



#35
Dibromofluoromethane
Concen: 54.474 ug/l
RT: 5.385 min Scan# 705
Delta R.T. -0.000 min
Lab File: VX045396.D
Acq: 21 Mar 2025 18:21

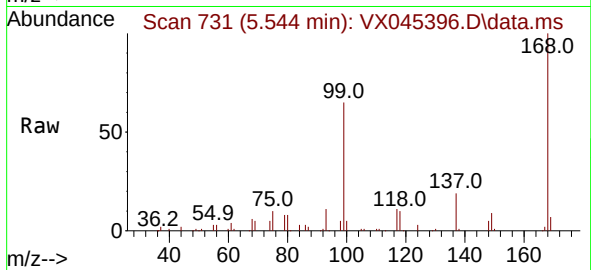
Tgt Ion:113 Resp: 47872
Ion Ratio Lower Upper
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111 101.6 81.8 122.6
192 17.4 14.3 21.5



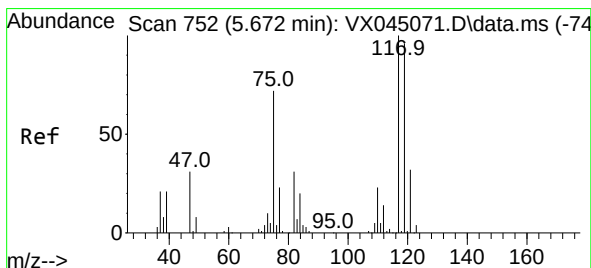
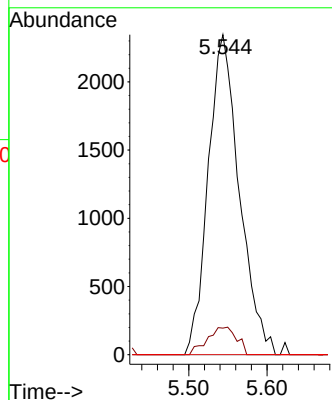
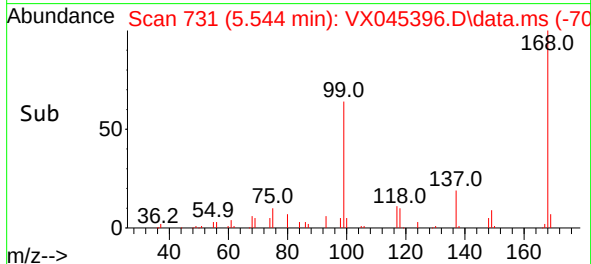


#36
1,1-Dichloropropene
Concen: 5.382 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.147 min
Lab File: VX045396.D
Acq: 21 Mar 2025 18:21

Instrument :
MSVOA_X
ClientSampleId :
RE139D2-20250317

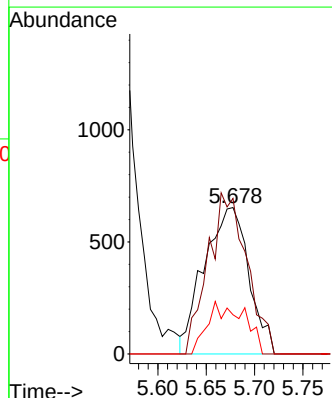
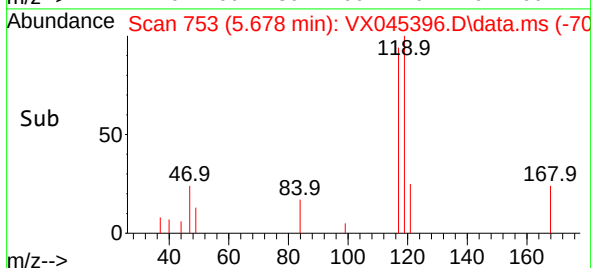
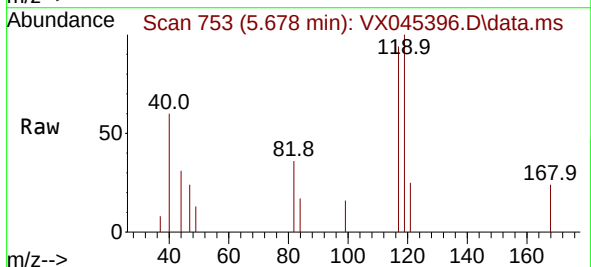


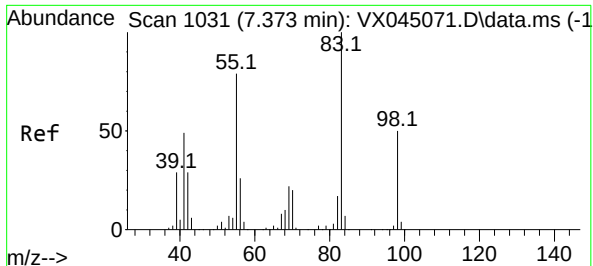
Tgt Ion: 75 Resp: 6486
Ion Ratio Lower Upper
75 100
110 8.1 16.9 50.6#
77 0.0 24.5 36.7#



#38
Carbon Tetrachloride
Concen: 1.713 ug/l
RT: 5.678 min Scan# 753
Delta R.T. 0.006 min
Lab File: VX045396.D
Acq: 21 Mar 2025 18:21

Tgt Ion: 117 Resp: 2096
Ion Ratio Lower Upper
117 100
119 106.3 76.7 115.1
121 26.8 25.5 38.3





#39

Methylcyclohexane

Concen: 1.658 ug/l

RT: 7.116 min Scan# 989

Delta R.T. -0.256 min

Lab File: VX045396.D

Acq: 21 Mar 2025 18:21

Instrument :

MSVOA_X

ClientSampleId :

RE139D2-20250317

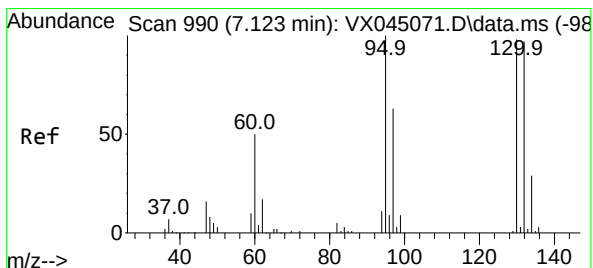
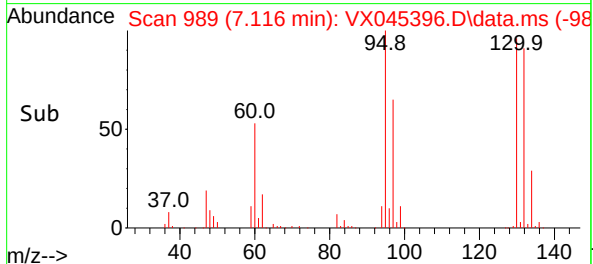
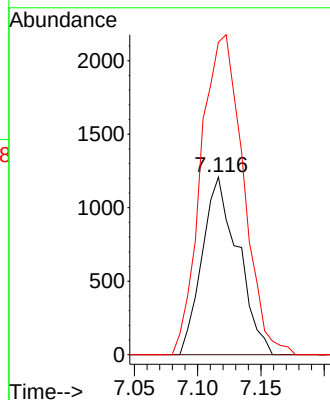
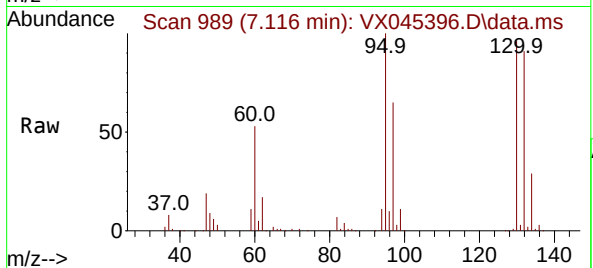
Tgt Ion: 83 Resp: 2395

Ion Ratio Lower Upper

83 100

55 0.0 63.0 94.4#

98 170.8 39.7 59.5#



#44

Trichloroethene

Concen: 202.480 ug/l

RT: 7.116 min Scan# 989

Delta R.T. -0.006 min

Lab File: VX045396.D

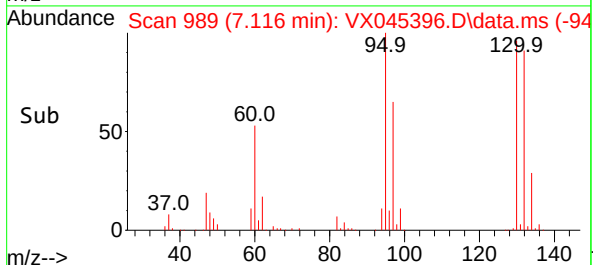
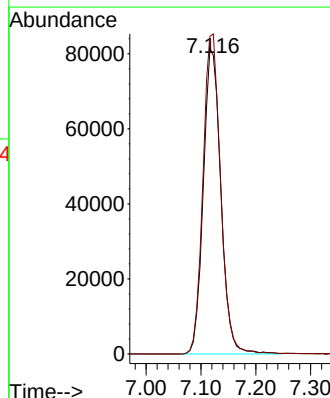
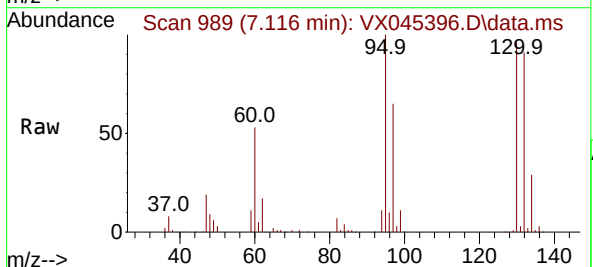
Acq: 21 Mar 2025 18:21

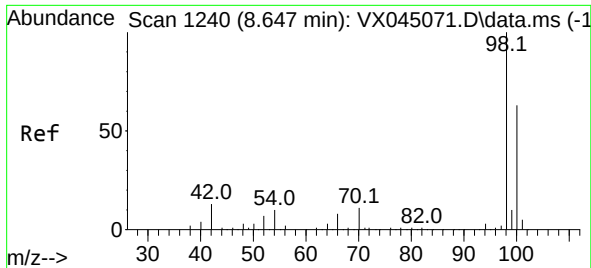
Tgt Ion:130 Resp: 180938

Ion Ratio Lower Upper

130 100

95 104.0 0.0 205.0

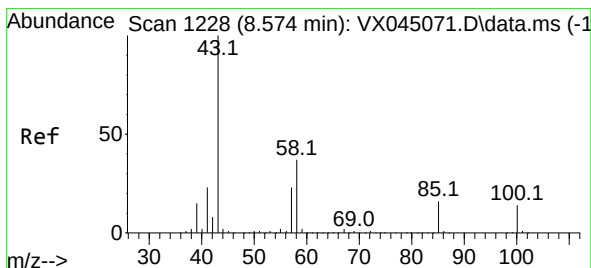
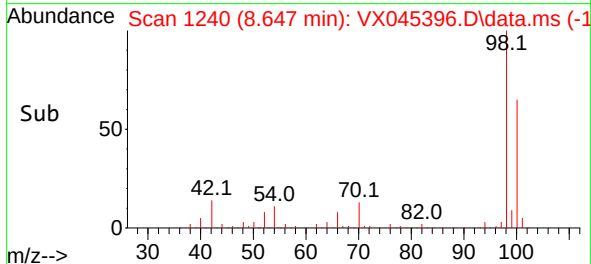
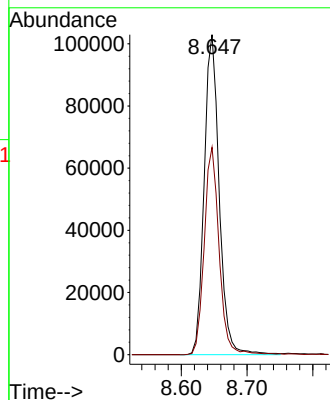
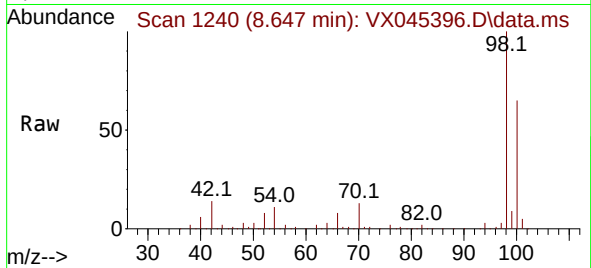




#50
Toluene-d8
Concen: 51.313 ug/l
RT: 8.647 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX045396.D
Acq: 21 Mar 2025 18:21

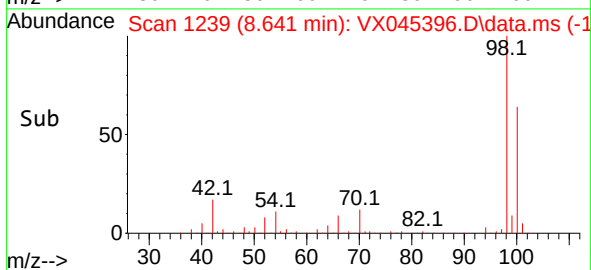
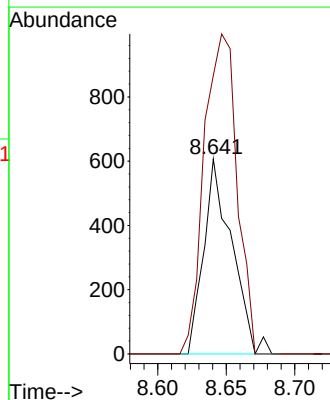
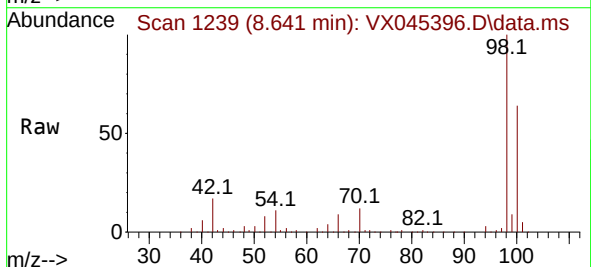
Instrument :
MSVOA_X
ClientSampleId :
RE139D2-20250317

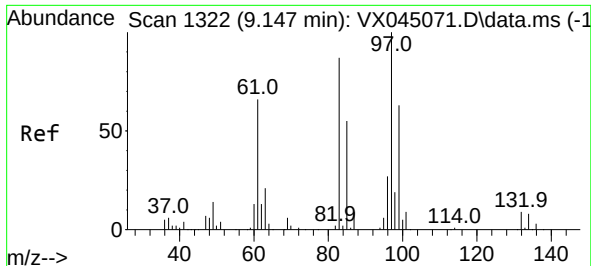
Tgt Ion: 98 Resp: 163480
Ion Ratio Lower Upper
98 100
100 64.2 52.0 78.0



#51
4-Methyl-2-Pentanone
Concen: 0.561 ug/l
RT: 8.641 min Scan# 1239
Delta R.T. 0.067 min
Lab File: VX045396.D
Acq: 21 Mar 2025 18:21

Tgt Ion: 43 Resp: 865
Ion Ratio Lower Upper
43 100
58 191.9 29.2 43.8#

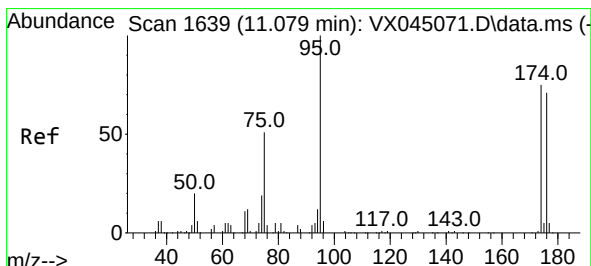
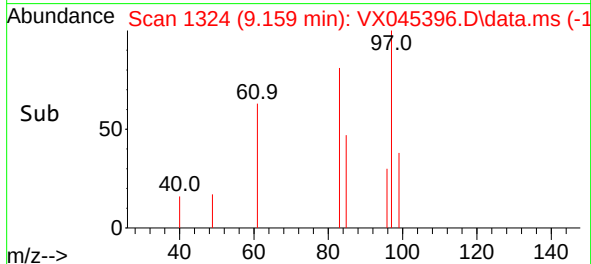
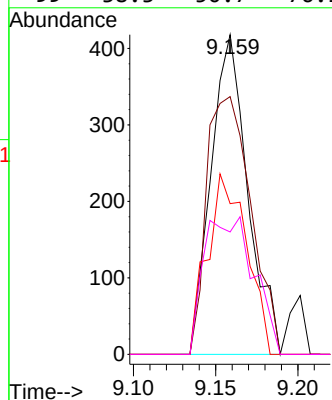
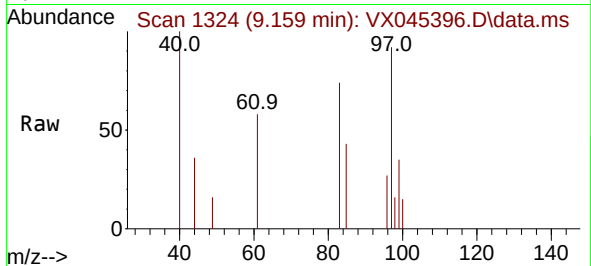




#55
1,1,2-Trichloroethane
Concen: 0.708 ug/l
RT: 9.159 min Scan# 11
Delta R.T. 0.012 min
Lab File: VX045396.D
Acq: 21 Mar 2025 18:21

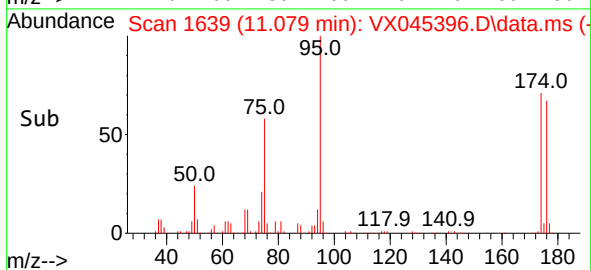
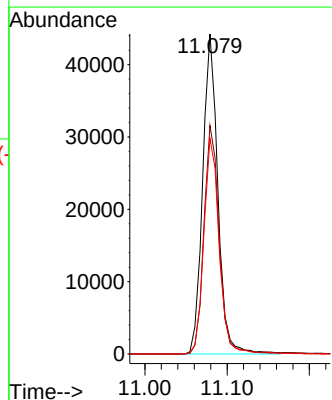
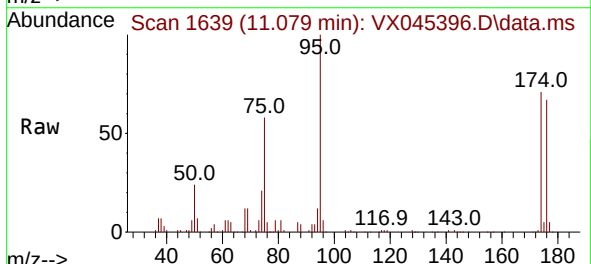
Instrument :
MSVOA_X
ClientSampleId :
RE139D2-20250317

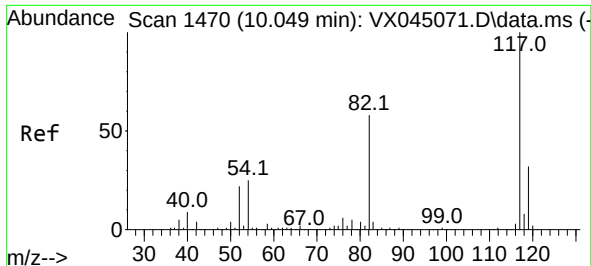
Tgt Ion: 97	Resp: 651
Ion Ratio	Lower Upper
97 100	
83 80.6	69.4 104.2
85 47.1	44.1 66.1
99 38.3	50.7 76.1#



#62
4-Bromofluorobenzene
Concen: 53.778 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX045396.D
Acq: 21 Mar 2025 18:21

Tgt Ion: 95	Resp: 56775
Ion Ratio	Lower Upper
95 100	
174 71.7	0.0 148.2
176 68.2	0.0 141.4

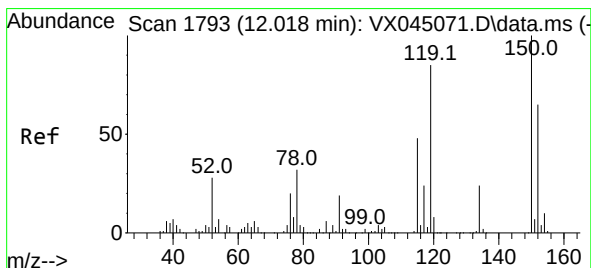
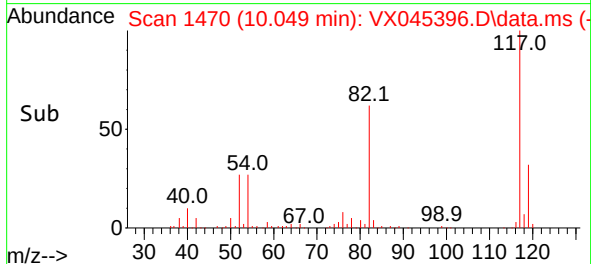
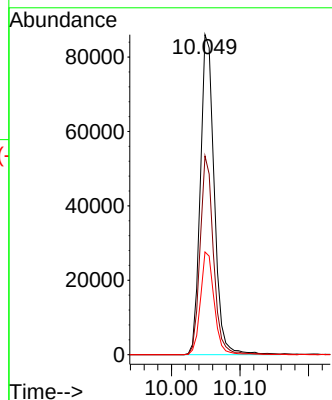
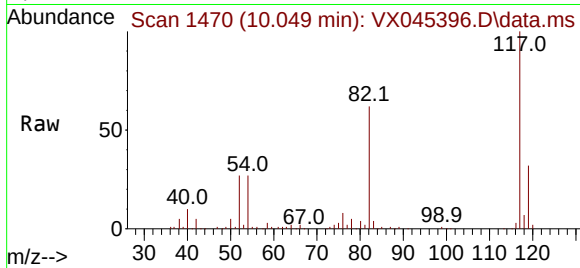




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 1470
Delta R.T. -0.000 min
Lab File: VX045396.D
Acq: 21 Mar 2025 18:21

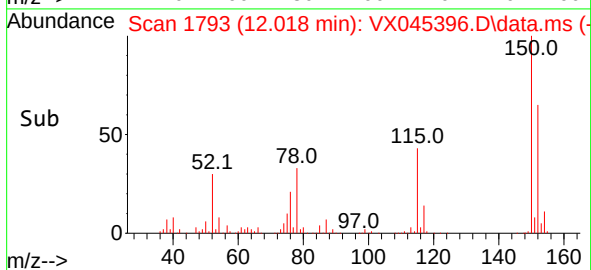
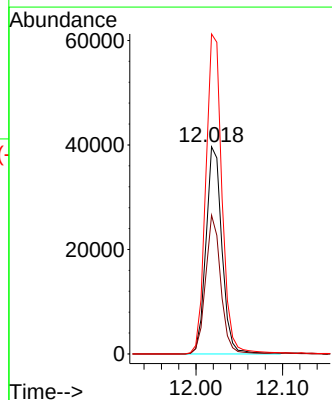
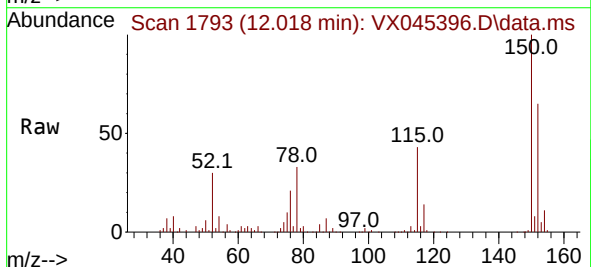
Instrument :
MSVOA_X
ClientSampleId :
RE139D2-20250317

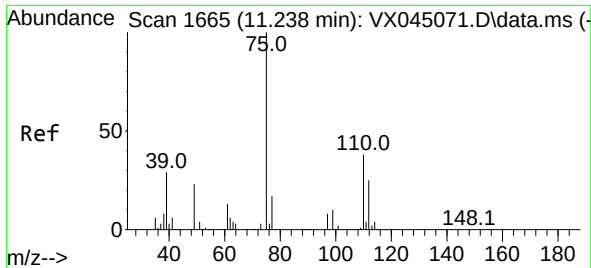
Tgt Ion:117 Resp: 121699
Ion Ratio Lower Upper
117 100
82 62.1 46.3 69.5
119 32.1 25.7 38.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VX045396.D
Acq: 21 Mar 2025 18:21

Tgt Ion:152 Resp: 50801
Ion Ratio Lower Upper
152 100
115 63.5 44.2 132.6
150 156.8 0.0 349.0

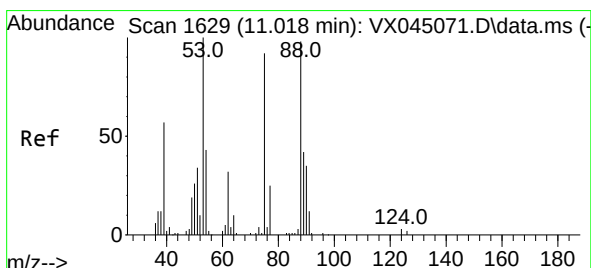
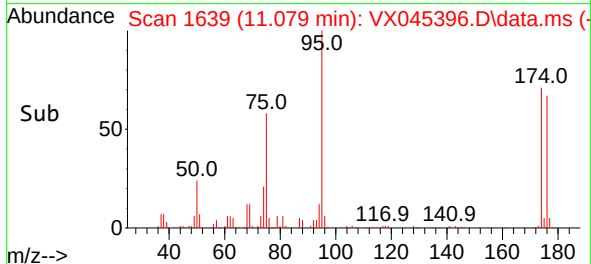
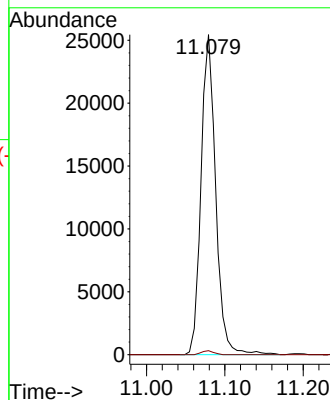
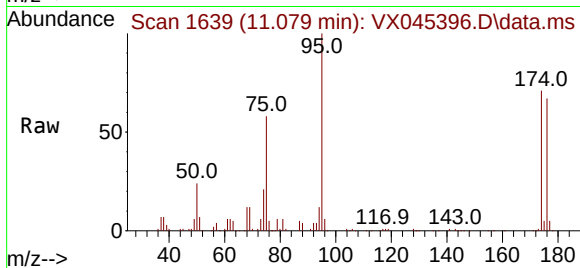




#76
1,2,3-Trichloropropane
Concen: 27.992 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX045396.D
Acq: 21 Mar 2025 18:21

Instrument :
MSVOA_X
ClientSampleId :
RE139D2-20250317

Tgt Ion: 75 Resp: 33098
Ion Ratio Lower Upper
75 100
77 1.0 20.7 62.1#



#81
trans-1,4-Dichloro-2-butene
Concen: 95.795 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX045396.D
Acq: 21 Mar 2025 18:21

Tgt Ion: 75 Resp: 33098
Ion Ratio Lower Upper
75 100
53 0.0 88.5 132.7#
89 0.0 36.2 54.4#

