

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX031025\
 Data File : VX045199.D
 Acq On : 10 Mar 2025 16:25
 Operator : JC/MD
 Sample : Q1531-05
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 RE126D2-20250306

Quant Time: Mar 11 03:58:25 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

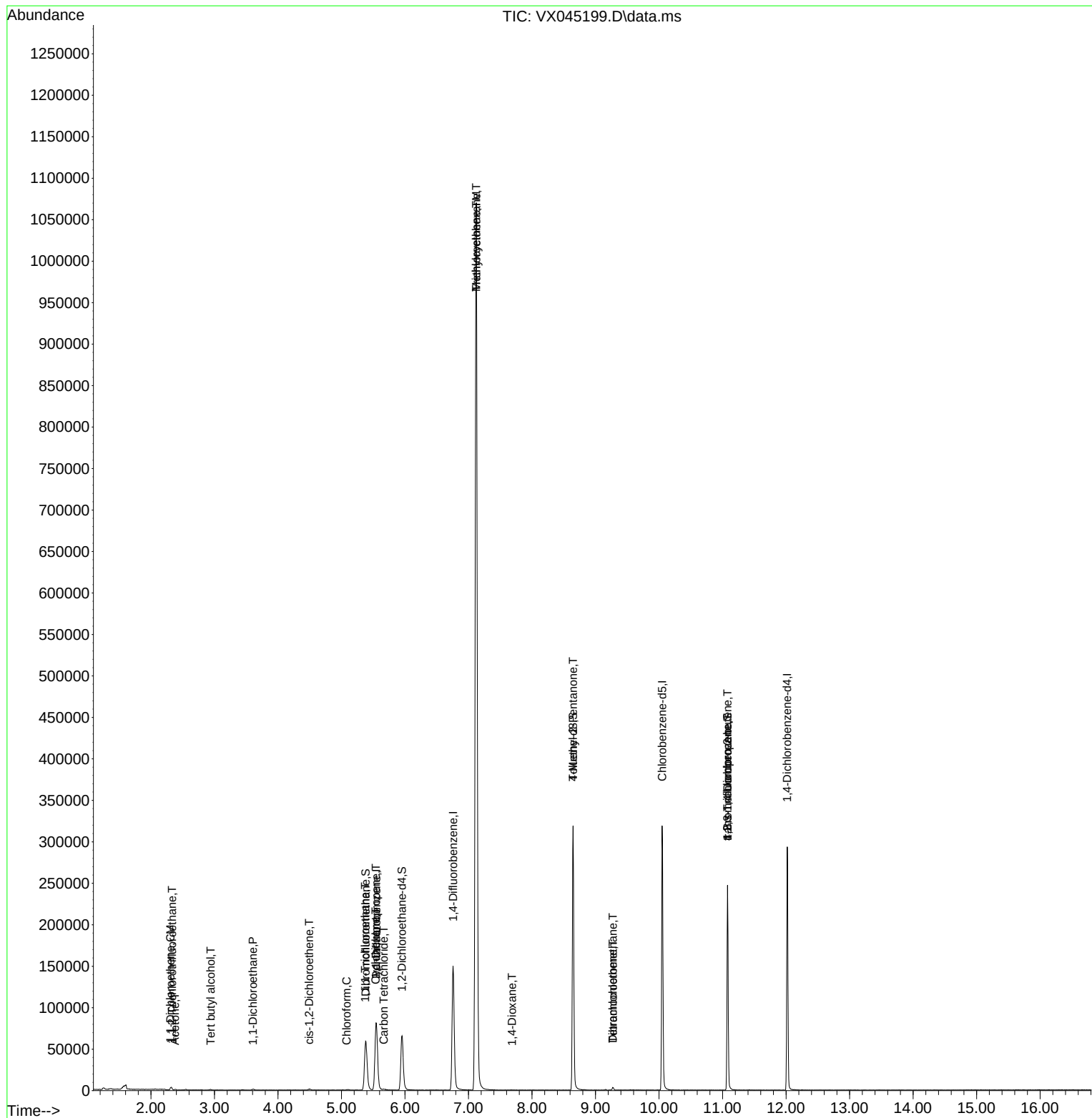
Compound	R.T. QIon		Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.550	168	76701	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	151163	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	137156	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	56943	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	63241	51.835	ug/l	0.00
Spiked Amount	50.000	Range 74 - 125	Recovery	=	103.680%	
35) Dibromofluoromethane	5.379	113	51738	51.186	ug/l	0.00
Spiked Amount	50.000	Range 75 - 124	Recovery	=	102.380%	
50) Toluene-d8	8.647	98	186578	50.916	ug/l	0.00
Spiked Amount	50.000	Range 86 - 113	Recovery	=	101.840%	
62) 4-Bromofluorobenzene	11.079	95	63696	52.455	ug/l	0.00
Spiked Amount	50.000	Range 77 - 121	Recovery	=	104.920%	
Target Compounds						Qvalue
9) 1,1,2-Trichlorotrifluo...	2.331	101	654	0.734	ug/l	98
11) Tert butyl alcohol	2.941	59	155	0.671	ug/l #	73
12) 1,1-Dichloroethene	2.307	96	803	0.852	ug/l #	89
16) Acetone	2.380	43	677	1.196	ug/l #	86
24) 1,1-Dichloroethane	3.605	63	1773	0.927	ug/l #	83
27) cis-1,2-Dichloroethene	4.489	96	823	0.716	ug/l	91
30) Chloroform	5.080	83	391	0.206	ug/l #	77
31) Cyclohexane	5.538	56	2118	1.276	ug/l #	21
32) 1,1,1-Trichloroethane	5.373	97	388	0.253	ug/l #	52
36) 1,1-Dichloropropene	5.544	75	6846	4.939	ug/l #	46
38) Carbon Tetrachloride	5.666	117	380	0.270	ug/l #	77
39) Methylcyclohexane	7.123	83	5449	3.281	ug/l #	1
44) Trichloroethene	7.123	130	402962	392.053	ug/l	100
49) 1,4-Dioxane	7.684	88	273	9.767	ug/l #	43
51) 4-Methyl-2-Pentanone	8.647	43	831	0.469	ug/l #	1
60) Dibromochloromethane	9.275	129	696	0.630	ug/l #	11
64) Tetrachloroethene	9.275	164	572	0.651	ug/l #	82
76) 1,2,3-Trichloropropane	11.079	75	34401	25.956	ug/l #	36
81) trans-1,4-Dichloro-2-b...	11.079	75	34401	88.827	ug/l #	6

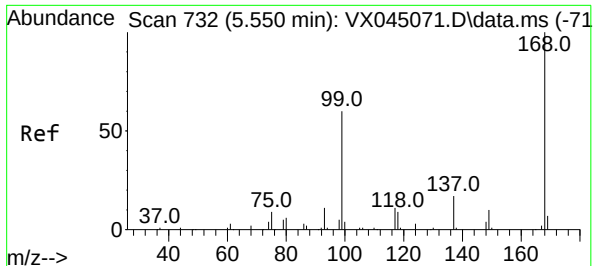
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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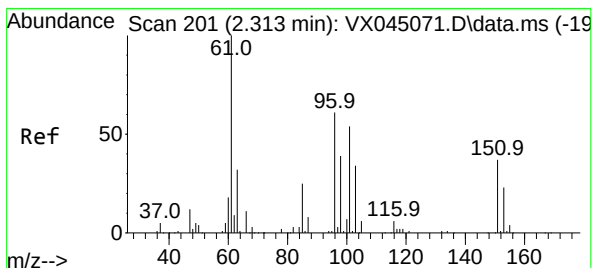
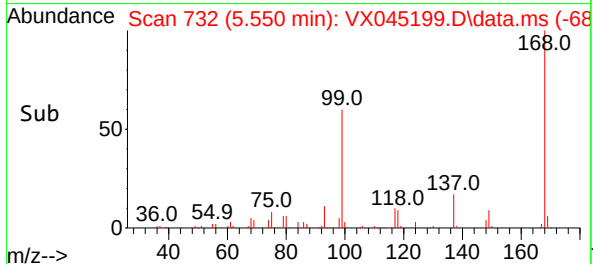
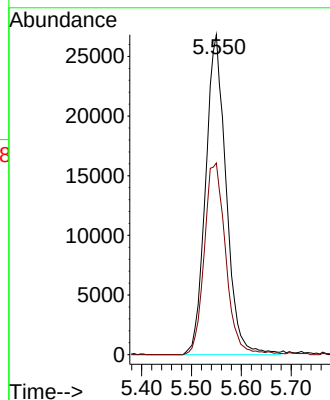
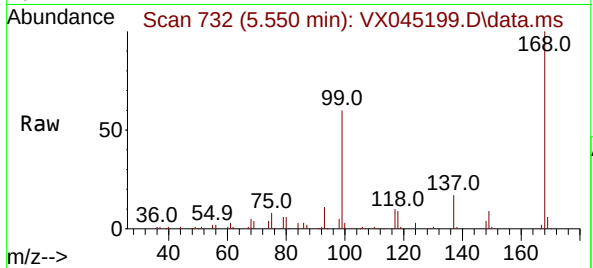




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX045199.D
Acq: 10 Mar 2025 16:25

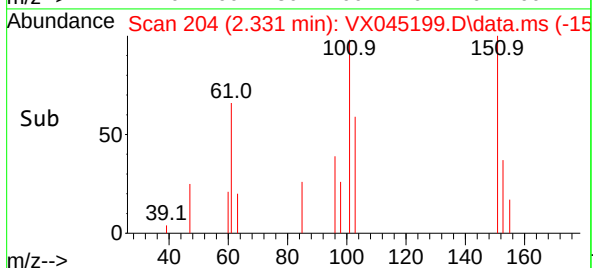
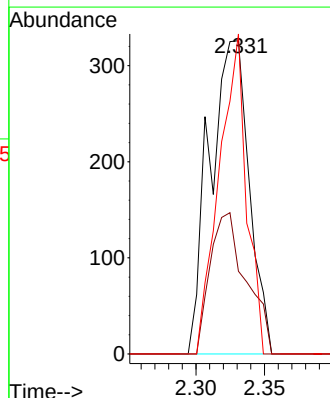
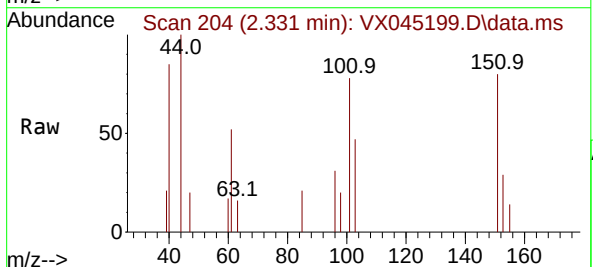
Instrument :
MSVOA_X
ClientSampleId :
RE126D2-20250306

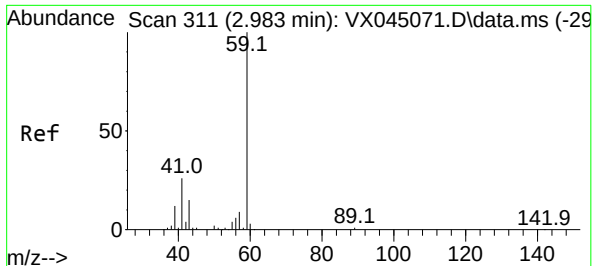
Tgt Ion:168 Resp: 76701
Ion Ratio Lower Upper
168 100
99 59.9 48.2 72.4



#9
1,1,2-Trichlorotrifluoroethane
Concen: 0.734 ug/l
RT: 2.331 min Scan# 204
Delta R.T. 0.018 min
Lab File: VX045199.D
Acq: 10 Mar 2025 16:25

Tgt Ion:101 Resp: 654
Ion Ratio Lower Upper
101 100
85 41.3 36.2 54.4
151 70.5 56.4 84.6





#11

Tert butyl alcohol

Concen: 0.671 ug/l

RT: 2.941 min Scan# 304

Delta R.T. -0.043 min

Lab File: VX045199.D

Acq: 10 Mar 2025 16:25

Instrument :

MSVOA_X

ClientSampleId :

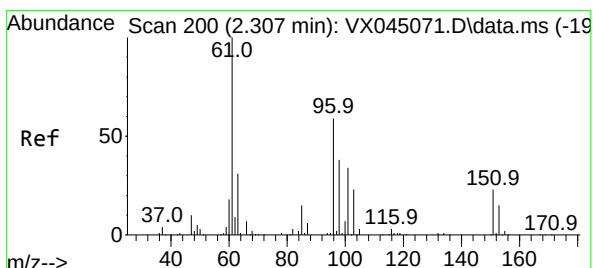
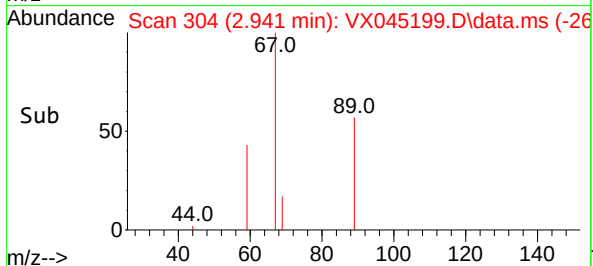
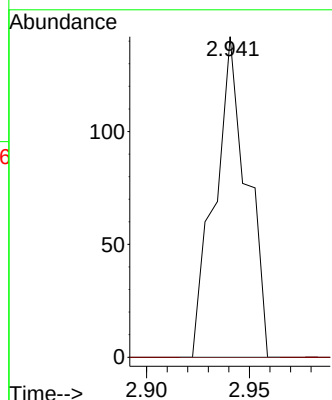
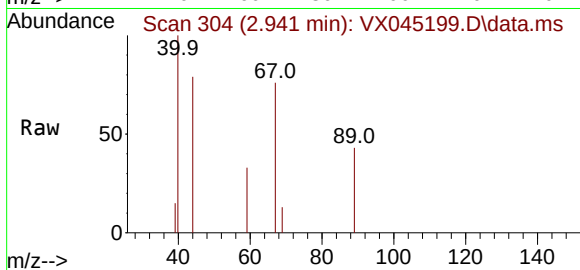
RE126D2-20250306

Tgt Ion: 59 Resp: 155

Ion Ratio Lower Upper

59 100

57 0.0 7.8 11.8#



#12

1,1-Dichloroethene

Concen: 0.852 ug/l

RT: 2.307 min Scan# 200

Delta R.T. 0.000 min

Lab File: VX045199.D

Acq: 10 Mar 2025 16:25

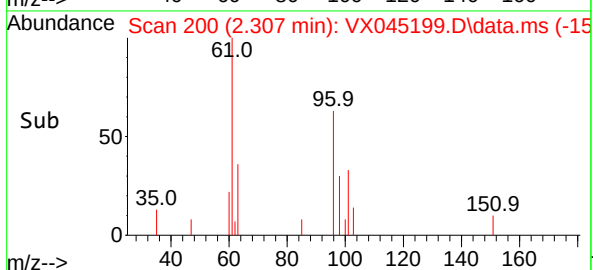
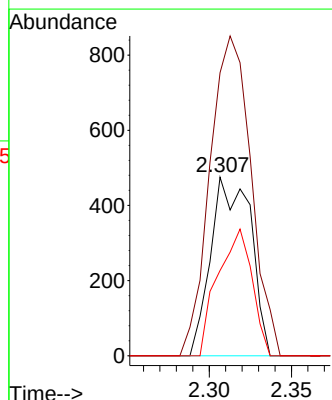
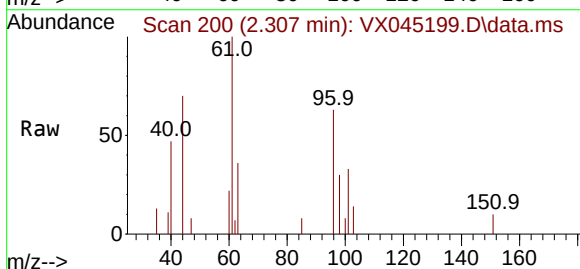
Tgt Ion: 96 Resp: 803

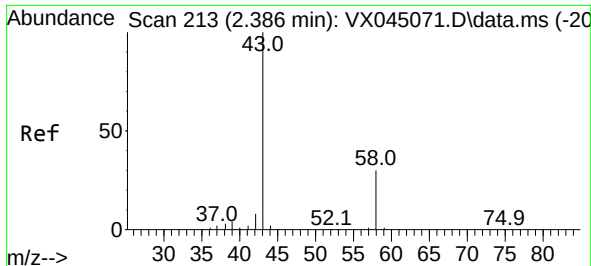
Ion Ratio Lower Upper

96 100

61 158.5 134.6 202.0

98 47.8 51.0 76.6#

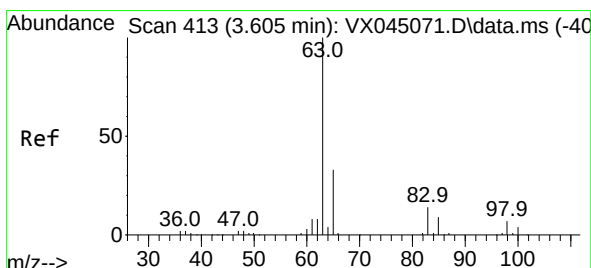
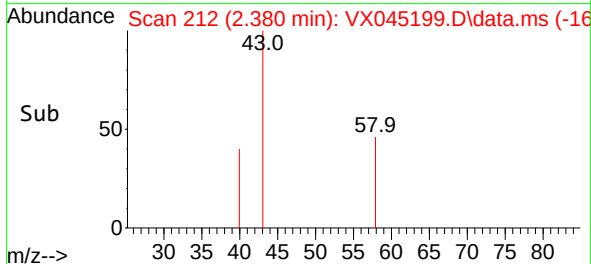
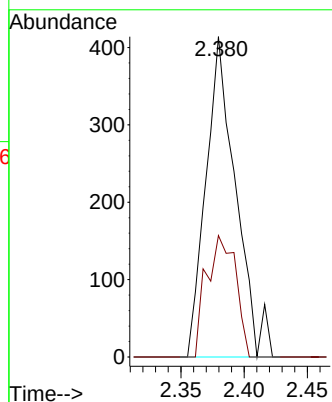
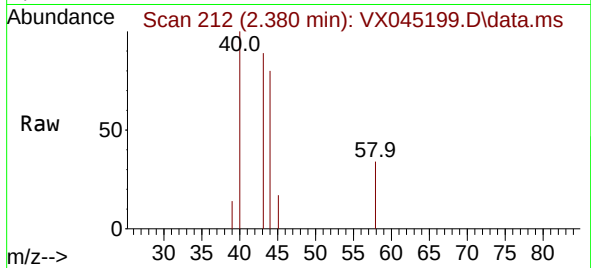




#16
Acetone
Concen: 1.196 ug/l
RT: 2.380 min Scan# 213
Delta R.T. -0.006 min
Lab File: VX045199.D
Acq: 10 Mar 2025 16:25

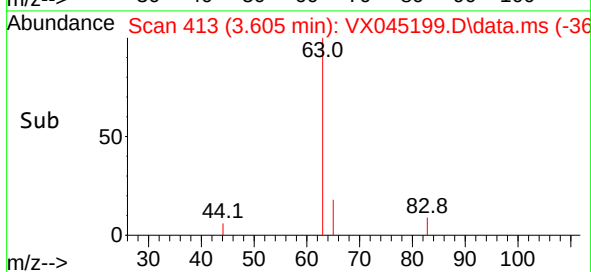
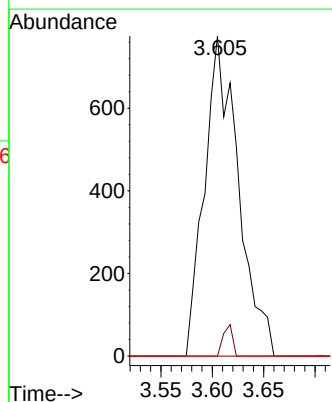
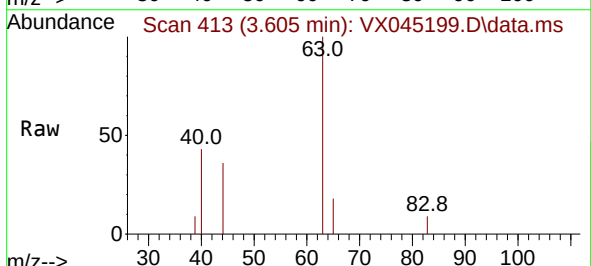
Instrument :
MSVOA_X
ClientSampleId :
RE126D2-20250306

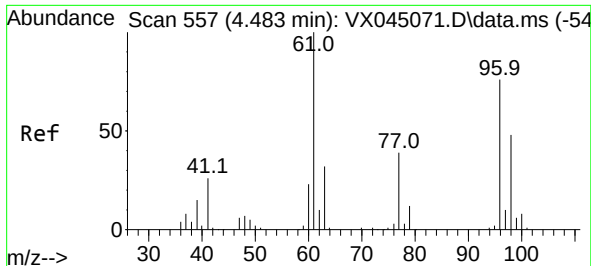
Tgt Ion: 43 Resp: 677
Ion Ratio Lower Upper
43 100
58 37.9 24.2 36.4#



#24
1,1-Dichloroethane
Concen: 0.927 ug/l
RT: 3.605 min Scan# 413
Delta R.T. 0.000 min
Lab File: VX045199.D
Acq: 10 Mar 2025 16:25

Tgt Ion: 63 Resp: 1773
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: 0.716 ug/l

RT: 4.489 min Scan# 51

Delta R.T. 0.006 min

Lab File: VX045199.D

Acq: 10 Mar 2025 16:25

Instrument :

MSVOA_X

ClientSampleId :

RE126D2-20250306

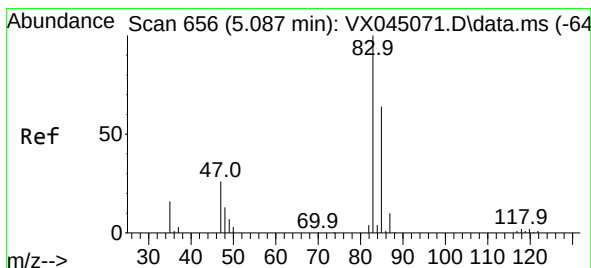
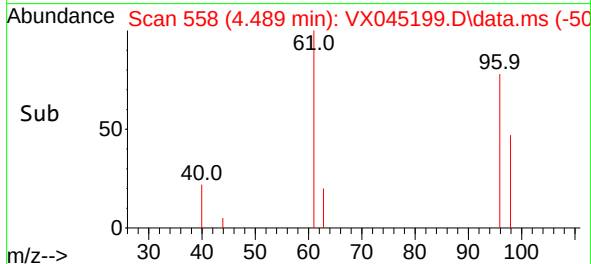
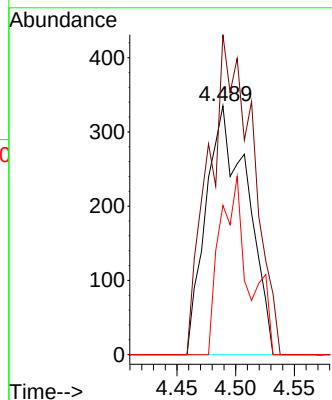
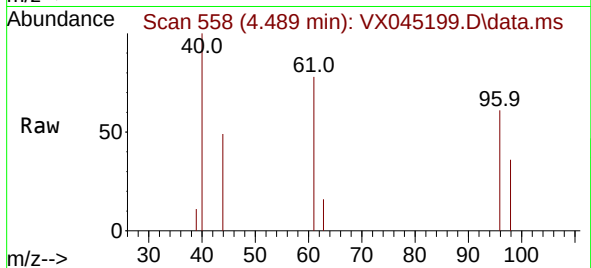
Tgt Ion: 96 Resp: 823

Ion Ratio Lower Upper

96 100

61 135.8 0.0 283.2

98 50.3 0.0 128.0



#30

Chloroform

Concen: 0.206 ug/l

RT: 5.080 min Scan# 655

Delta R.T. -0.006 min

Lab File: VX045199.D

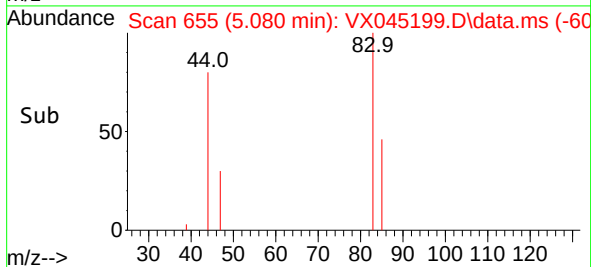
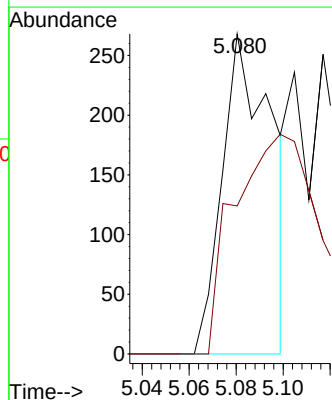
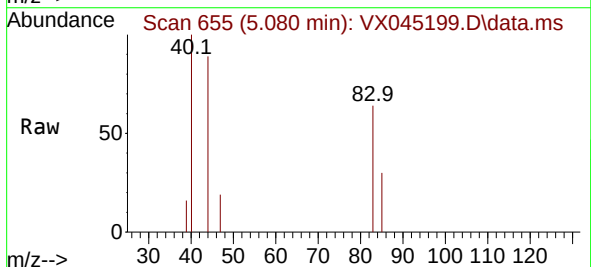
Acq: 10 Mar 2025 16:25

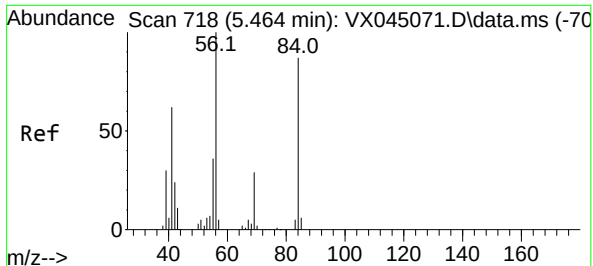
Tgt Ion: 83 Resp: 391

Ion Ratio Lower Upper

83 100

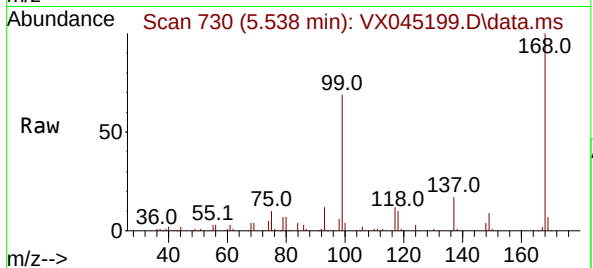
85 46.3 51.4 77.2#



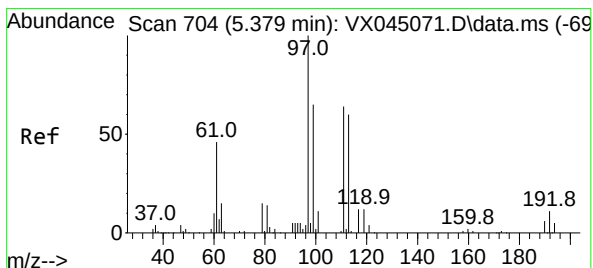
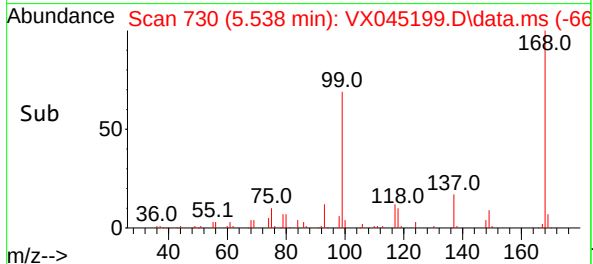
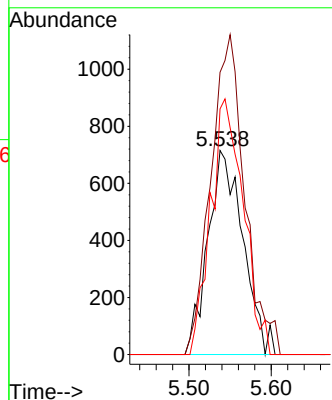


#31
Cyclohexane
Concen: 1.276 ug/l
RT: 5.538 min Scan# 718
Delta R.T. 0.073 min
Lab File: VX045199.D
Acq: 10 Mar 2025 16:25

Instrument :
MSVOA_X
ClientSampleId :
RE126D2-20250306

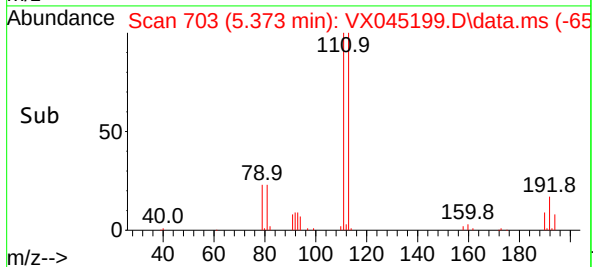
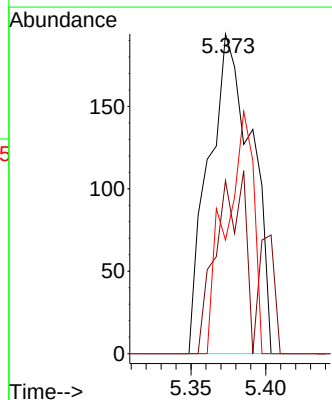
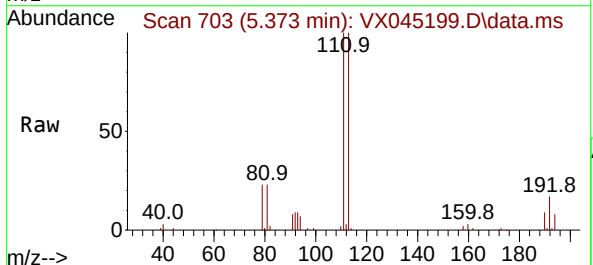


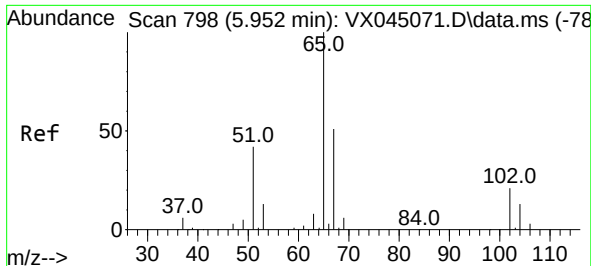
Tgt Ion: 56 Resp: 2118
Ion Ratio Lower Upper
56 100
69 138.3 23.4 35.2#
84 120.4 69.4 104.2#



#32
1,1,1-Trichloroethane
Concen: 0.253 ug/l
RT: 5.373 min Scan# 703
Delta R.T. -0.006 min
Lab File: VX045199.D
Acq: 10 Mar 2025 16:25

Tgt Ion: 97 Resp: 388
Ion Ratio Lower Upper
97 100
99 0.0 51.6 77.4#
61 48.7 38.4 57.6

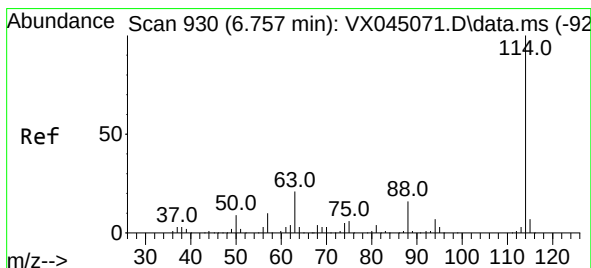
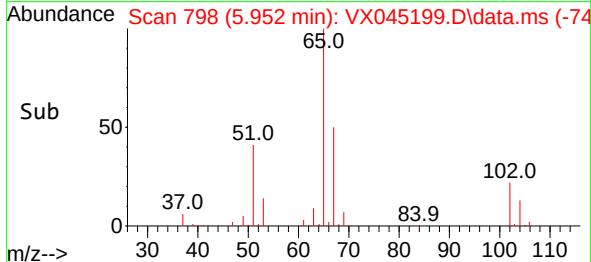
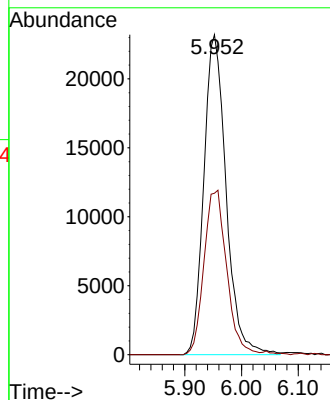
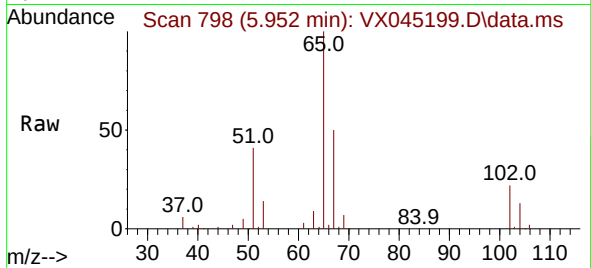




#33
 1,2-Dichloroethane-d4
 Concen: 51.835 ug/l
 RT: 5.952 min Scan# 798
 Delta R.T. 0.000 min
 Lab File: VX045199.D
 Acq: 10 Mar 2025 16:25

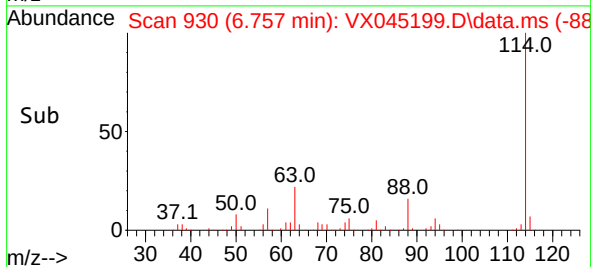
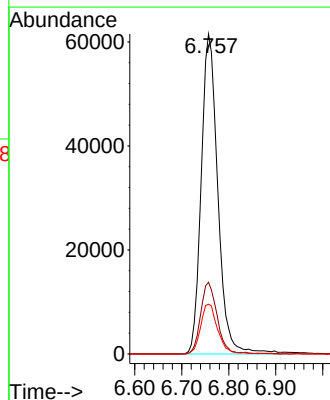
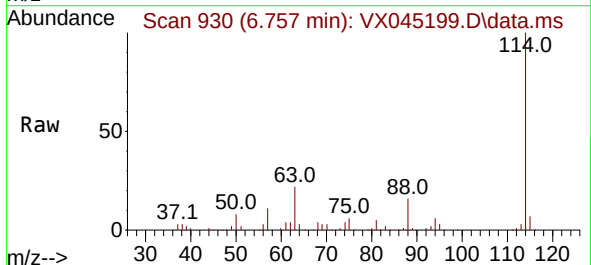
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 RE126D2-20250306

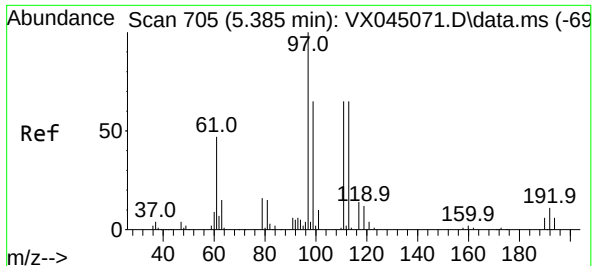
Tgt Ion: 65 Resp: 63241
 Ion Ratio Lower Upper
 65 100
 67 52.3 0.0 106.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.757 min Scan# 930
 Delta R.T. 0.000 min
 Lab File: VX045199.D
 Acq: 10 Mar 2025 16:25

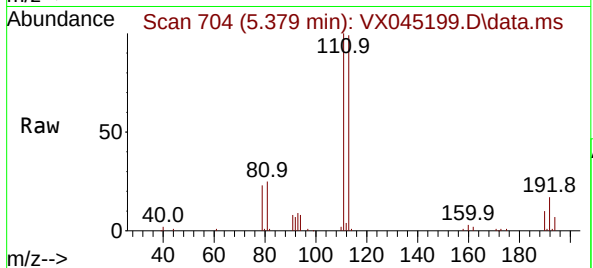
Tgt Ion: 114 Resp: 151163
 Ion Ratio Lower Upper
 114 100
 63 22.4 0.0 41.8
 88 15.5 0.0 32.8



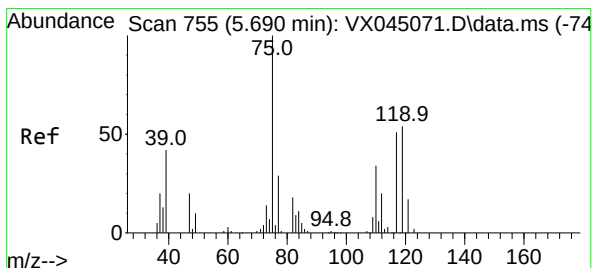
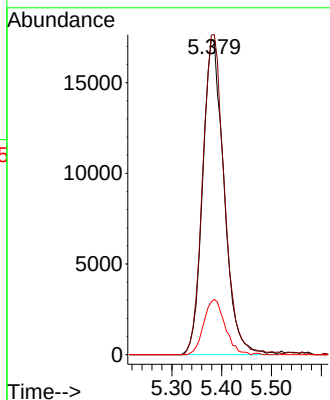
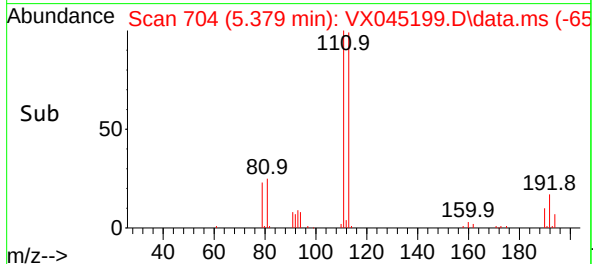


#35
Dibromofluoromethane
Concen: 51.186 ug/l
RT: 5.379 min Scan# 705
Delta R.T. -0.006 min
Lab File: VX045199.D
Acq: 10 Mar 2025 16:25

Instrument :
MSVOA_X
ClientSampleId :
RE126D2-20250306

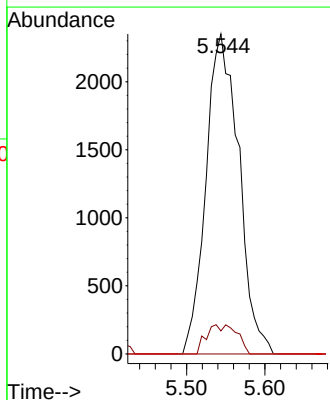
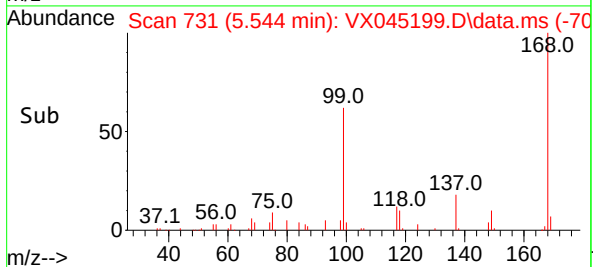
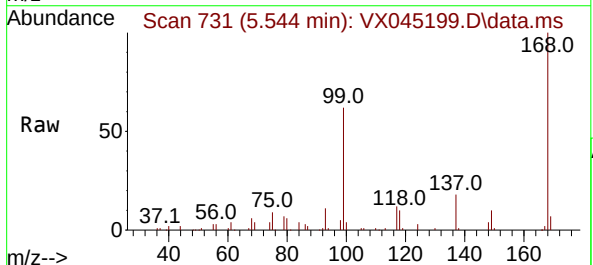


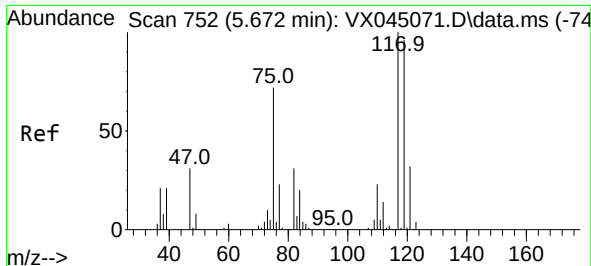
Tgt Ion:113 Resp: 51738
Ion Ratio Lower Upper
113 100
111 102.7 81.8 122.6
192 17.4 14.3 21.5



#36
1,1-Dichloropropene
Concen: 4.939 ug/l
RT: 5.544 min Scan# 731
Delta R.T. -0.146 min
Lab File: VX045199.D
Acq: 10 Mar 2025 16:25

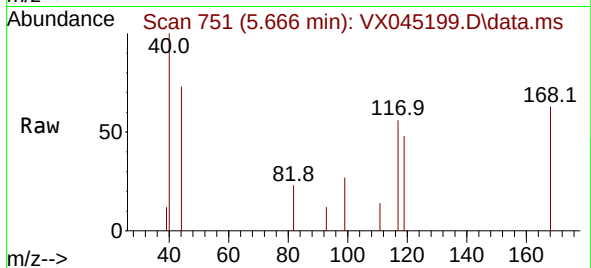
Tgt Ion: 75 Resp: 6846
Ion Ratio Lower Upper
75 100
110 4.4 16.9 50.6#
77 0.0 24.5 36.7#



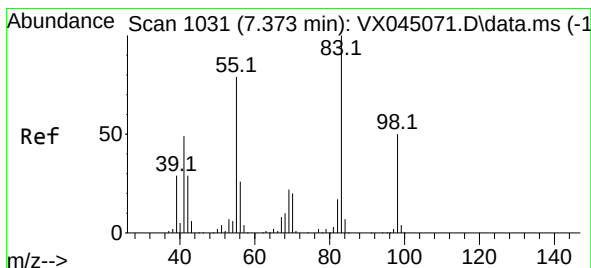
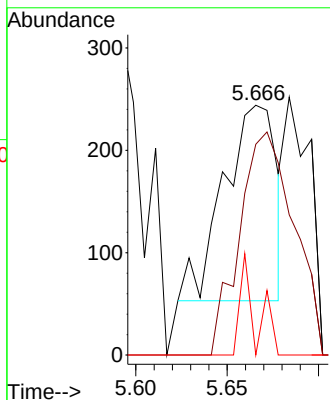
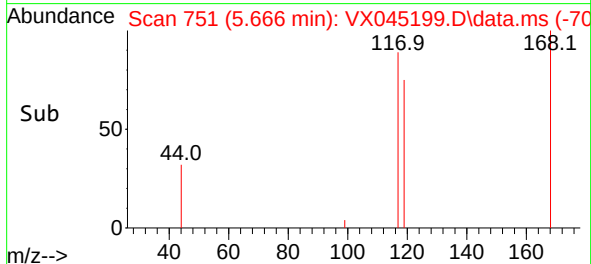


#38
Carbon Tetrachloride
Concen: 0.270 ug/l
RT: 5.666 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX045199.D
Acq: 10 Mar 2025 16:25

Instrument :
MSVOA_X
ClientSampleId :
RE126D2-20250306

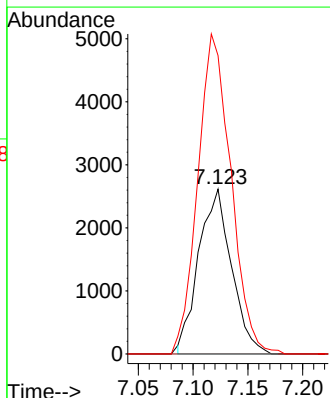
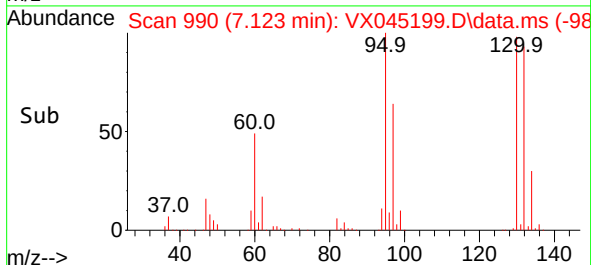
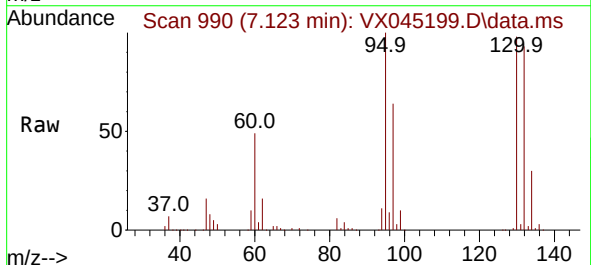


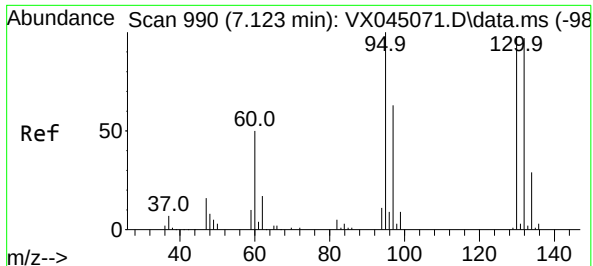
Tgt Ion:117 Resp: 380
Ion Ratio Lower Upper
117 100
119 107.9 76.7 115.1
121 0.0 25.5 38.3#



#39
Methylcyclohexane
Concen: 3.281 ug/l
RT: 7.123 min Scan# 990
Delta R.T. -0.250 min
Lab File: VX045199.D
Acq: 10 Mar 2025 16:25

Tgt Ion: 83 Resp: 5449
Ion Ratio Lower Upper
83 100
55 0.0 63.0 94.4#
98 178.7 39.7 59.5#

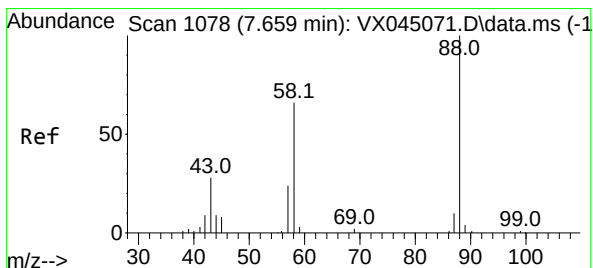
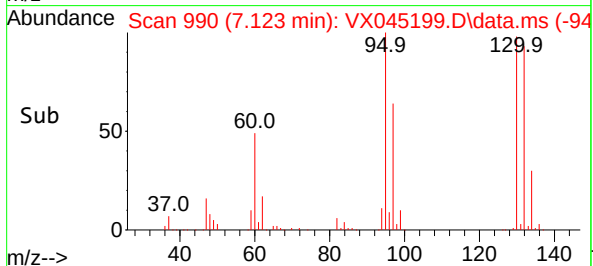
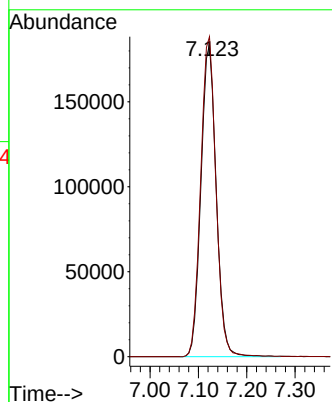
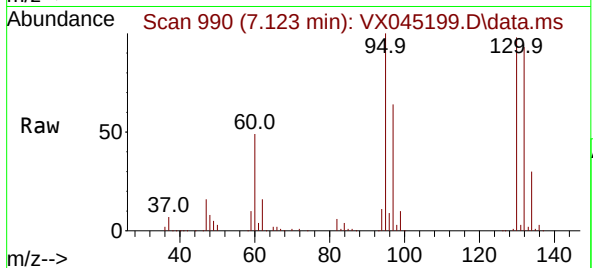




#44
Trichloroethene
Concen: 392.053 ug/l
RT: 7.123 min Scan# 990
Delta R.T. 0.000 min
Lab File: VX045199.D
Acq: 10 Mar 2025 16:25

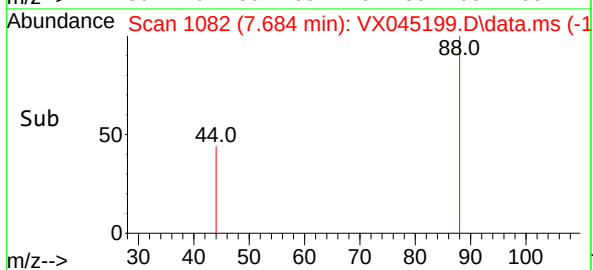
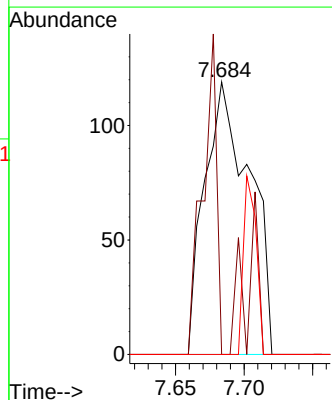
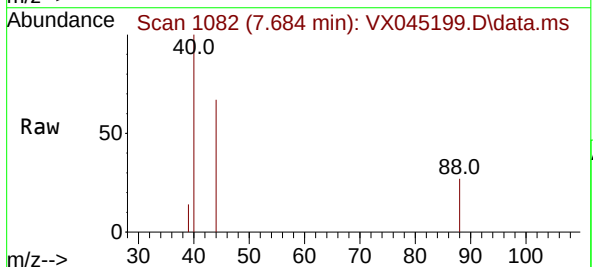
Instrument :
MSVOA_X
ClientSampleId :
RE126D2-20250306

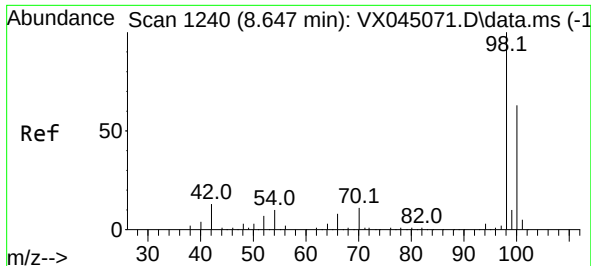
Tgt Ion:130 Resp: 402962
Ion Ratio Lower Upper
130 100
95 102.4 0.0 205.0



#49
1,4-Dioxane
Concen: 9.767 ug/l
RT: 7.684 min Scan# 1082
Delta R.T. 0.024 min
Lab File: VX045199.D
Acq: 10 Mar 2025 16:25

Tgt Ion: 88 Resp: 273
Ion Ratio Lower Upper
88 100
43 36.6 28.7 43.1
58 0.0 55.8 83.8#

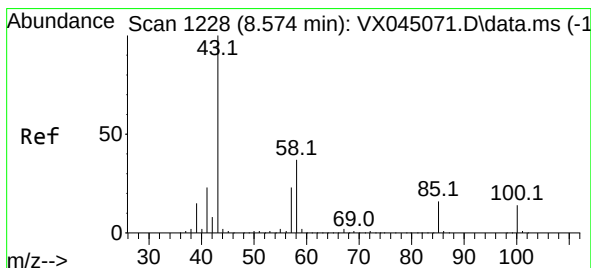
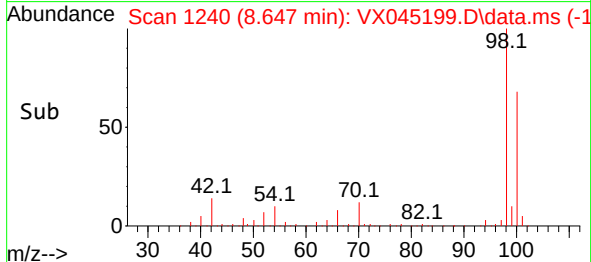
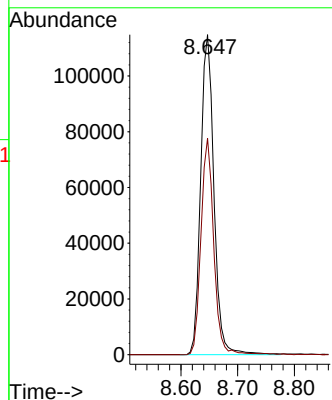
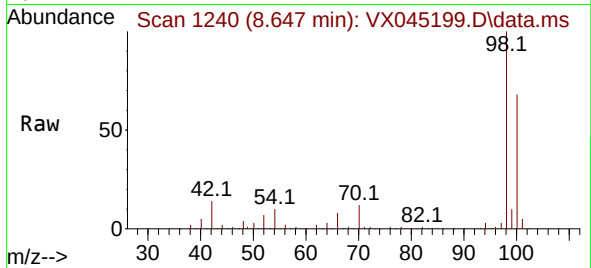




#50
Toluene-d8
Concen: 50.916 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX045199.D
Acq: 10 Mar 2025 16:25

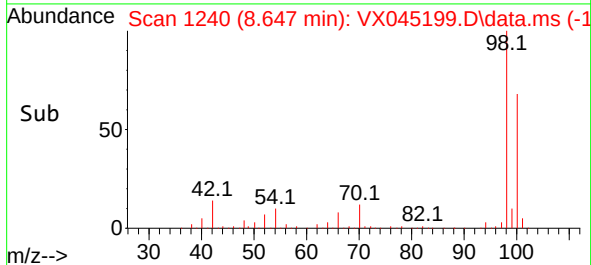
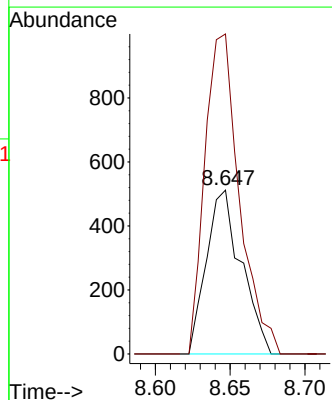
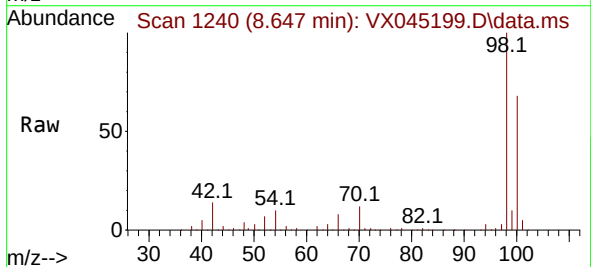
Instrument :
MSVOA_X
ClientSampleId :
RE126D2-20250306

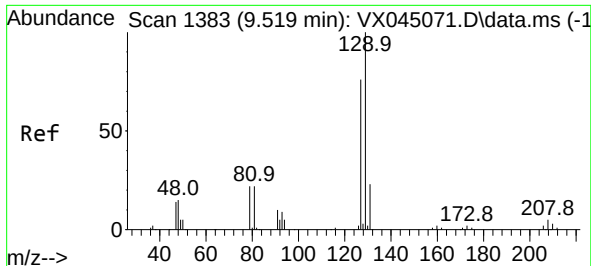
Tgt Ion: 98 Resp: 186578
Ion Ratio Lower Upper
98 100
100 65.2 52.0 78.0



#51
4-Methyl-2-Pentanone
Concen: 0.469 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.073 min
Lab File: VX045199.D
Acq: 10 Mar 2025 16:25

Tgt Ion: 43 Resp: 831
Ion Ratio Lower Upper
43 100
58 193.3 29.2 43.8

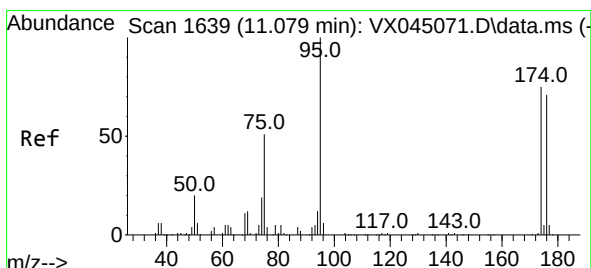
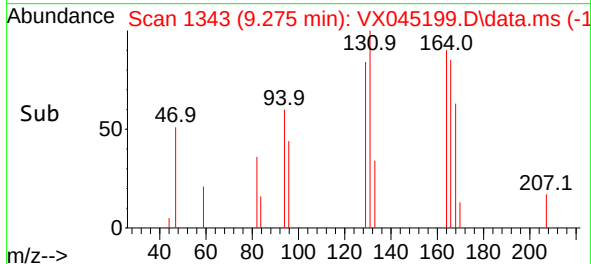
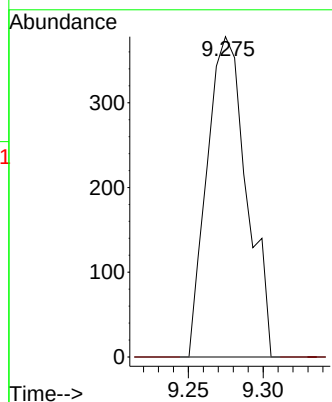
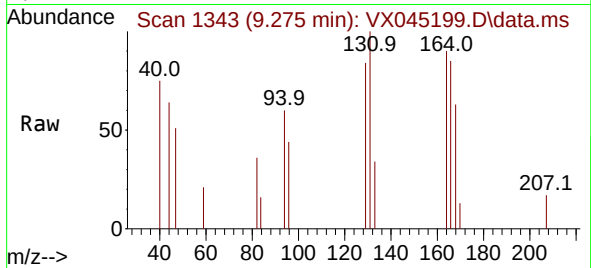




#60
Dibromochloromethane
Concen: 0.630 ug/l
RT: 9.275 min Scan# 11
Delta R.T. -0.244 min
Lab File: VX045199.D
Acq: 10 Mar 2025 16:25

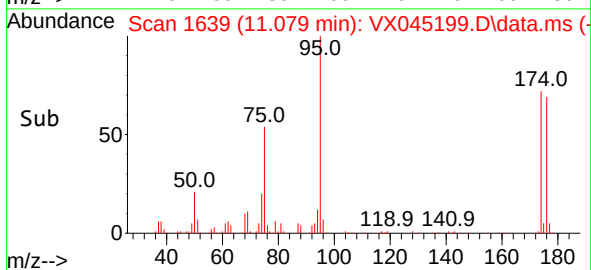
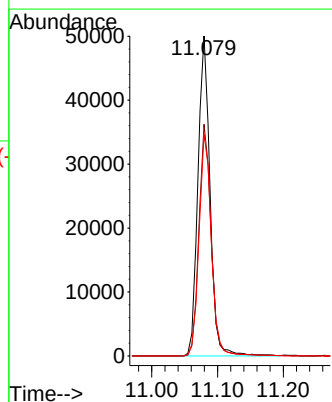
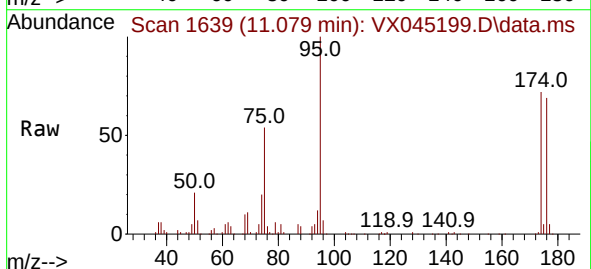
Instrument :
MSVOA_X
ClientSampleId :
RE126D2-20250306

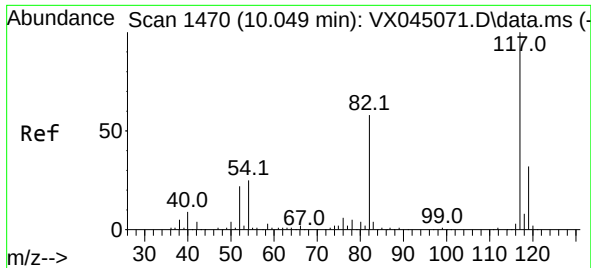
Tgt Ion:129 Resp: 696
Ion Ratio Lower Upper
129 100
127 0.0 38.5 115.5#



#62
4-Bromofluorobenzene
Concen: 52.455 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX045199.D
Acq: 10 Mar 2025 16:25

Tgt Ion: 95 Resp: 63696
Ion Ratio Lower Upper
95 100
174 73.2 0.0 148.2
176 70.8 0.0 141.4

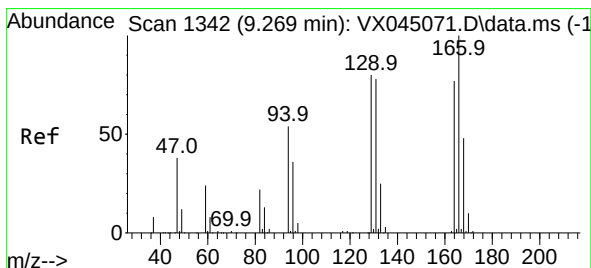
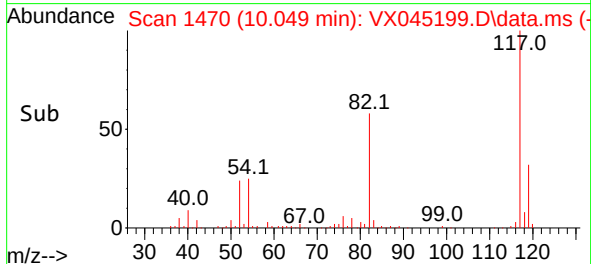
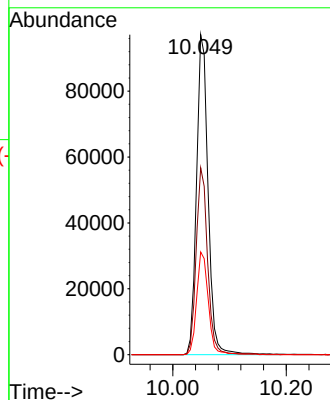
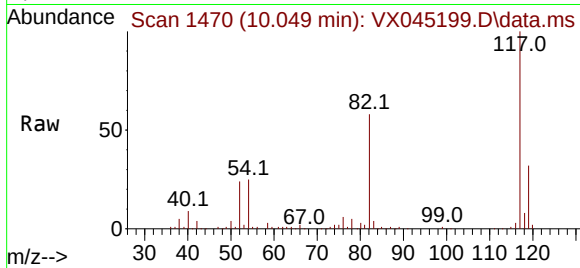




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 1470
Delta R.T. 0.000 min
Lab File: VX045199.D
Acq: 10 Mar 2025 16:25

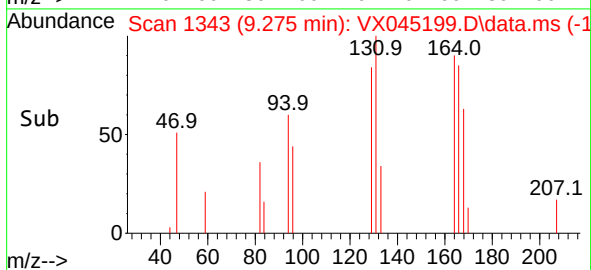
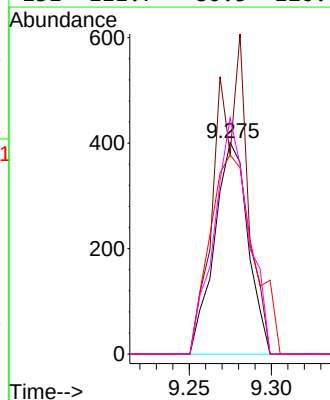
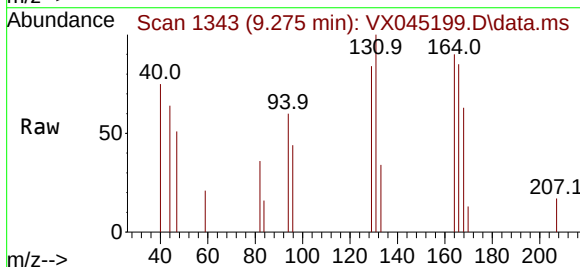
Instrument :
MSVOA_X
ClientSampleId :
RE126D2-20250306

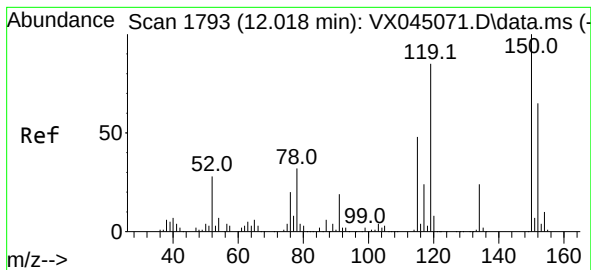
Tgt Ion:117 Resp: 137156
Ion Ratio Lower Upper
117 100
82 58.4 46.3 69.5
119 32.1 25.7 38.5



#64
Tetrachloroethene
Concen: 0.651 ug/l
RT: 9.275 min Scan# 1343
Delta R.T. 0.006 min
Lab File: VX045199.D
Acq: 10 Mar 2025 16:25

Tgt Ion:164 Resp: 572
Ion Ratio Lower Upper
164 100
166 94.5 103.6 155.4#
129 94.3 82.7 124.1
131 111.7 80.5 120.7





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.018 min Scan# 1

Delta R.T. 0.000 min

Lab File: VX045199.D

Acq: 10 Mar 2025 16:25

Instrument :

MSVOA_X

ClientSampleId :

RE126D2-20250306

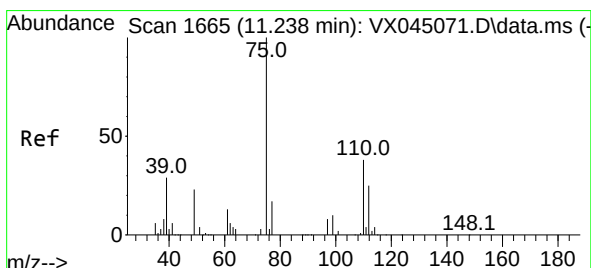
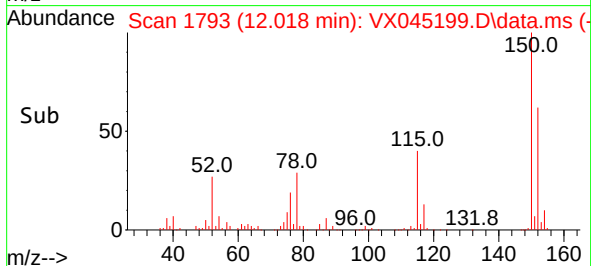
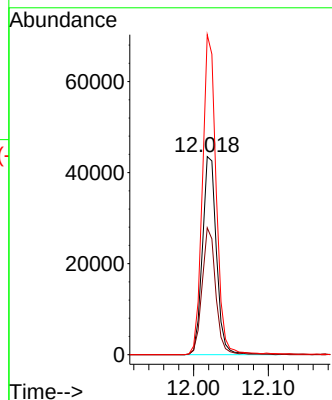
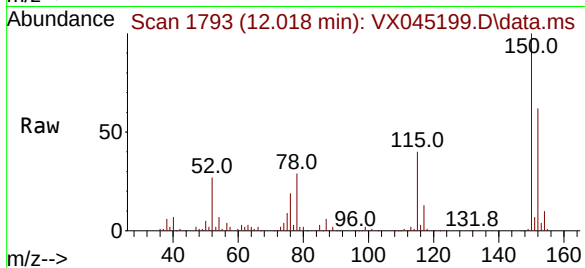
Tgt Ion:152 Resp: 56943

Ion Ratio Lower Upper

152 100

115 62.0 44.2 132.6

150 157.3 0.0 349.0



#76

1,2,3-Trichloropropane

Concen: 25.956 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.158 min

Lab File: VX045199.D

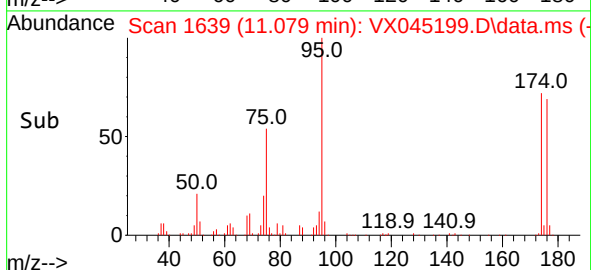
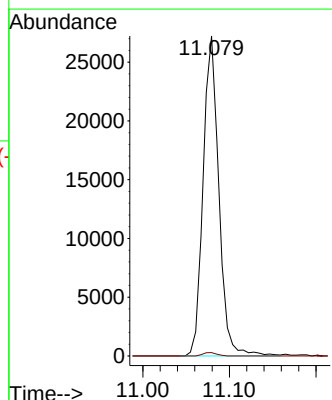
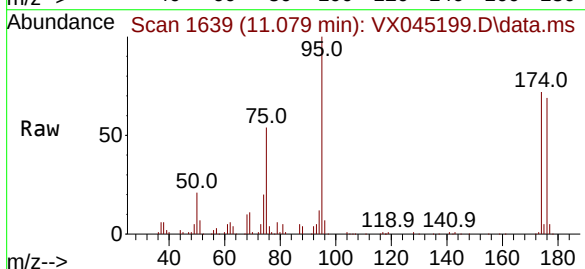
Acq: 10 Mar 2025 16:25

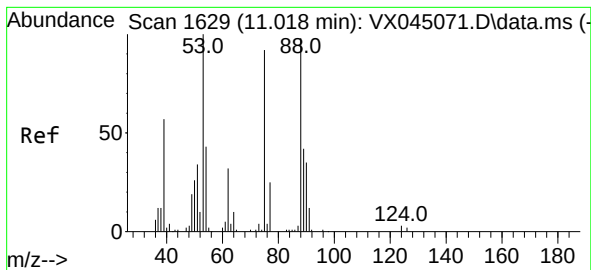
Tgt Ion: 75 Resp: 34401

Ion Ratio Lower Upper

75 100

77 0.9 20.7 62.1#





#81
trans-1,4-Dichloro-2-butene
Concen: 88.827 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.061 min
Lab File: VX045199.D
Acq: 10 Mar 2025 16:25

Instrument :
MSVOA_X
ClientSampleId :
RE126D2-20250306

Tgt Ion: 75 Resp: 34401
Ion Ratio Lower Upper
75 100
53 0.0 88.5 132.7#
89 0.0 36.2 54.4#

