

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX041025\
 Data File : VX045709.D
 Acq On : 10 Apr 2025 19:15
 Operator : JC/MD
 Sample : Q1749-04
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TP-14

Quant Time: Apr 11 02:02:49 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X040225W.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 02 03:11:43 2025
 Response via : Initial Calibration

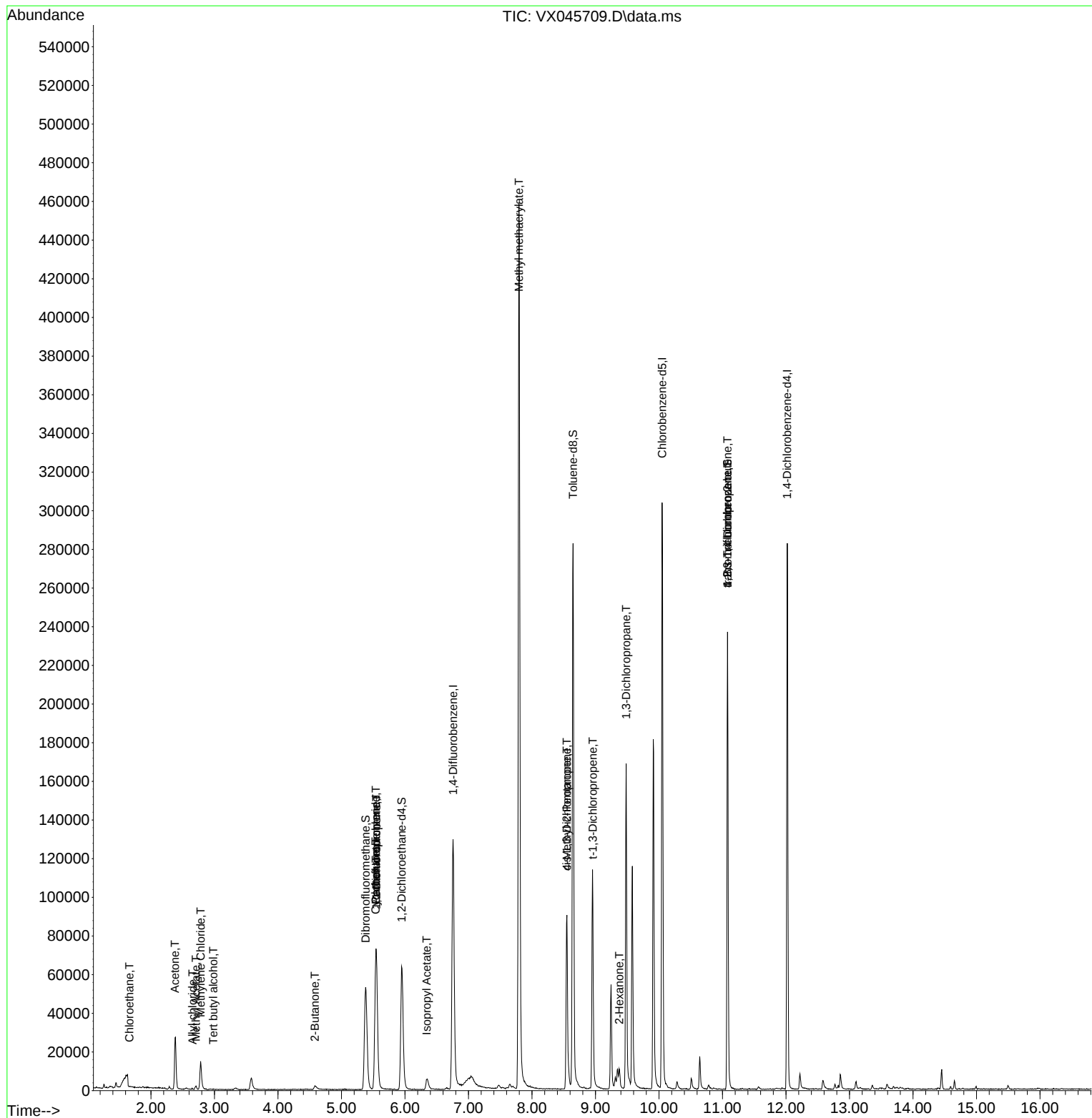
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.544	168	63143	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	126552	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	121332	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	51288	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	66034	57.186	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	114.380%
35) Dibromofluoromethane	5.379	113	46417	51.696	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	103.400%
50) Toluene-d8	8.647	98	164578	52.514	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	105.020%
62) 4-Bromofluorobenzene	11.079	95	61661	54.015	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	108.040%
Target Compounds						Qvalue
6) Chloroethane	1.660	64	109	0.231	ug/l #	42
11) Tert butyl alcohol	2.983	59	248	1.598	ug/l #	72
14) Allyl chloride	2.654	41	384	0.267	ug/l #	42
16) Acetone	2.380	43	29931	63.124	ug/l	96
18) Methyl Acetate	2.709	43	2502	2.292	ug/l	98
20) Methylene Chloride	2.782	84	6326	7.126	ug/l	97
25) 2-Butanone	4.581	43	4015	5.785	ug/l	97
31) Cyclohexane	5.538	56	1866	1.317	ug/l #	36
36) 1,1-Dichloropropene	5.550	75	6795	5.605	ug/l #	51
38) Carbon Tetrachloride	5.544	117	7476	5.706	ug/l #	15
43) Isopropyl Acetate	6.342	43	8668	3.743	ug/l	97
48) Methyl methacrylate	7.793	41	45892	38.385	ug/l #	51
51) 4-Methyl-2-Pentanone	8.549	43	36848	24.005	ug/l #	53
53) t-1,3-Dichloropropene	8.958	75	158	2.400	ug/l #	43
54) cis-1,3-Dichloropropene	8.549	75	14020	10.534	ug/l #	64
57) 1,3-Dichloropropane	9.482	76	1299	0.836	ug/l #	42
59) 2-Hexanone	9.372	43	7280	6.404	ug/l #	28
76) 1,2,3-Trichloropropane	11.079	75	35562	28.426	ug/l #	37
81) trans-1,4-Dichloro-2-b...	11.079	75	35562	96.475	ug/l #	1

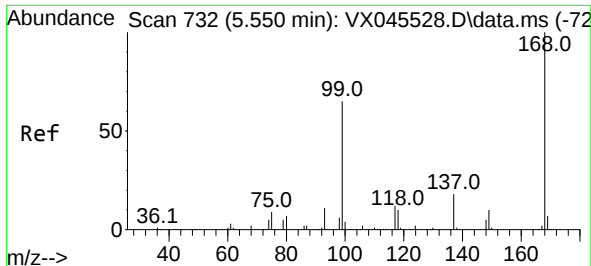
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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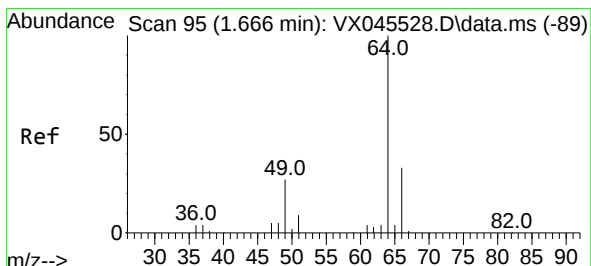
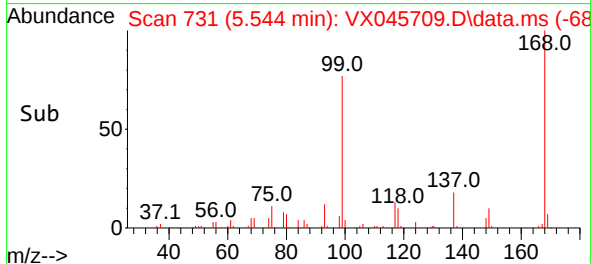
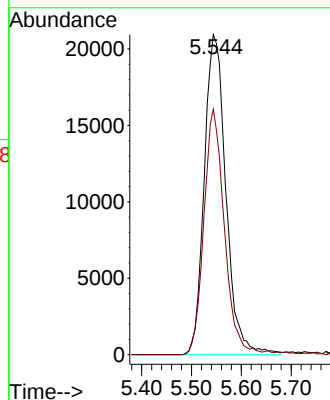
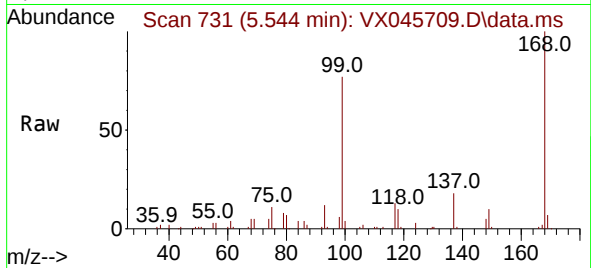




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX045709.D
Acq: 10 Apr 2025 19:15

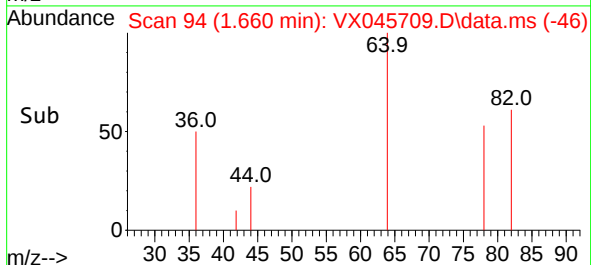
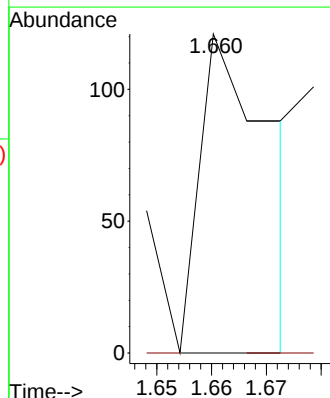
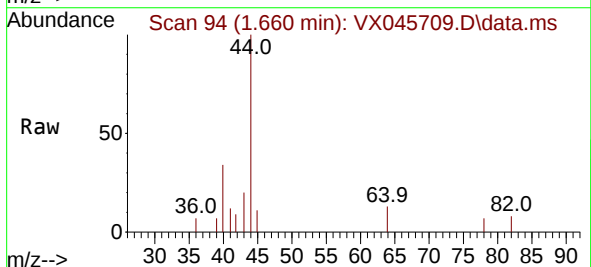
Instrument :
MSVOA_X
ClientSampleId :
TP-14

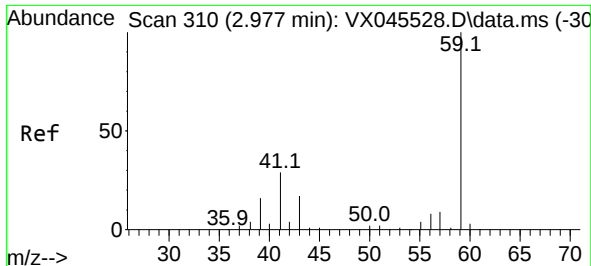
Tgt Ion:168 Resp: 63143
Ion Ratio Lower Upper
168 100
99 76.7 52.3 78.5



#6
Chloroethane
Concen: 0.231 ug/l
RT: 1.660 min Scan# 94
Delta R.T. -0.006 min
Lab File: VX045709.D
Acq: 10 Apr 2025 19:15

Tgt Ion: 64 Resp: 109
Ion Ratio Lower Upper
64 100
66 0.0 26.3 39.5

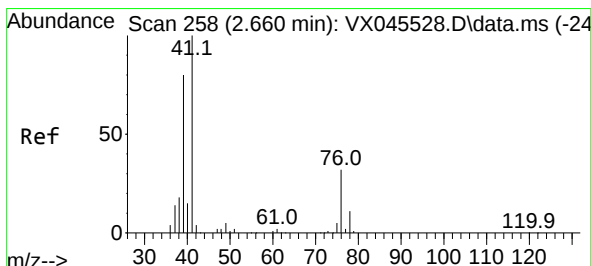
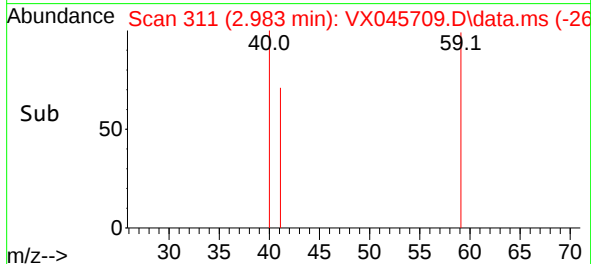
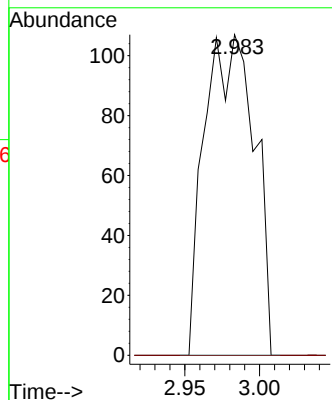
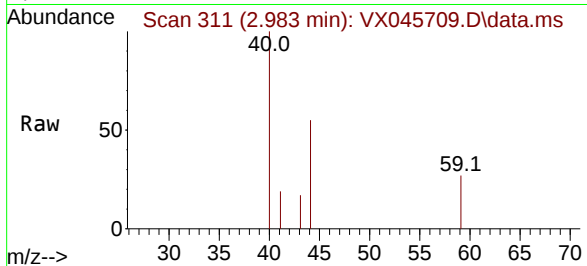




#11
Tert butyl alcohol
Concen: 1.598 ug/l
RT: 2.983 min Scan# 311
Delta R.T. 0.006 min
Lab File: VX045709.D
Acq: 10 Apr 2025 19:15

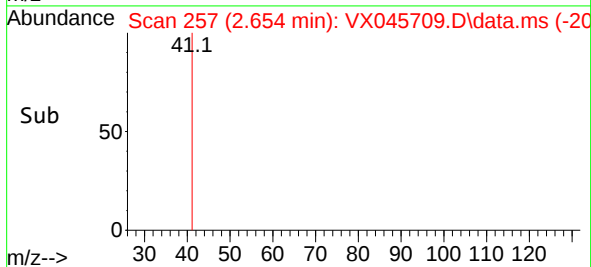
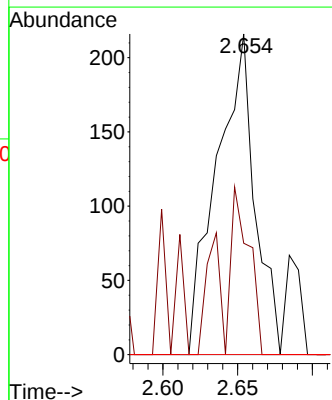
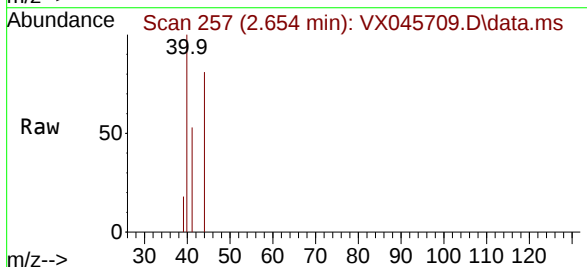
Instrument :
MSVOA_X
ClientSampleId :
TP-14

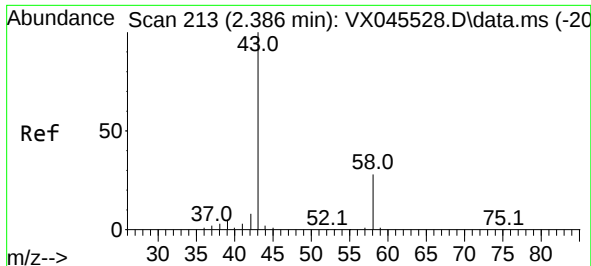
Tgt Ion: 59 Resp: 248
Ion Ratio Lower Upper
59 100
57 0.0 8.6 12.8#



#14
Allyl chloride
Concen: 0.267 ug/l
RT: 2.654 min Scan# 257
Delta R.T. -0.006 min
Lab File: VX045709.D
Acq: 10 Apr 2025 19:15

Tgt Ion: 41 Resp: 384
Ion Ratio Lower Upper
41 100
39 24.7 60.2 90.2#
76 0.0 24.6 36.8#

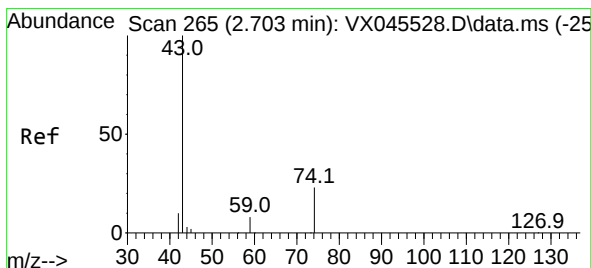
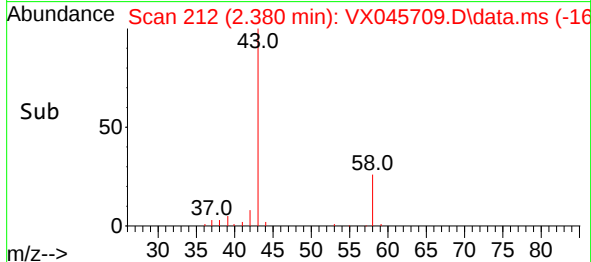
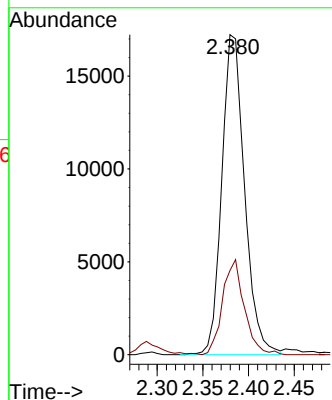
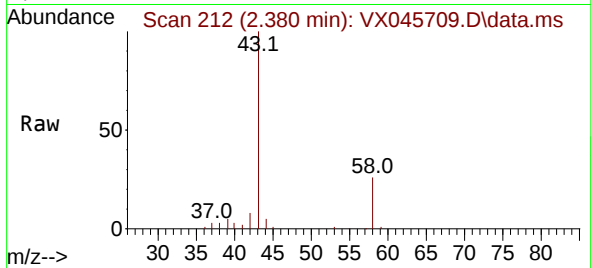




#16
Acetone
Concen: 63.124 ug/l
RT: 2.380 min Scan# 213
Delta R.T. -0.006 min
Lab File: VX045709.D
Acq: 10 Apr 2025 19:15

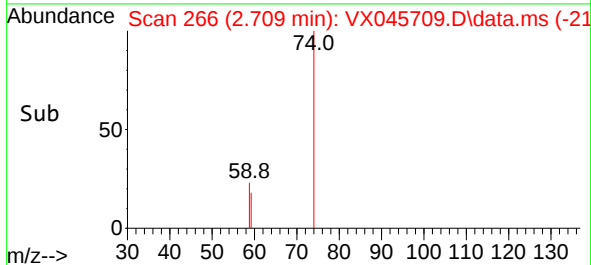
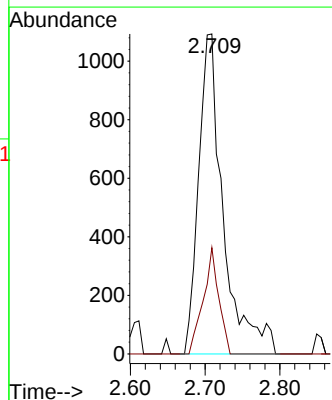
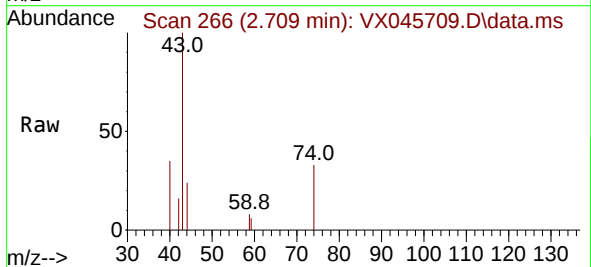
Instrument :
MSVOA_X
ClientSampleId :
TP-14

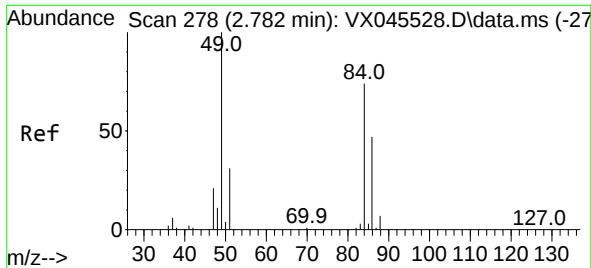
Tgt Ion: 43 Resp: 29931
Ion Ratio Lower Upper
43 100
58 26.0 22.3 33.5



#18
Methyl Acetate
Concen: 2.292 ug/l
RT: 2.709 min Scan# 266
Delta R.T. 0.006 min
Lab File: VX045709.D
Acq: 10 Apr 2025 19:15

Tgt Ion: 43 Resp: 2502
Ion Ratio Lower Upper
43 100
74 20.9 17.5 26.3

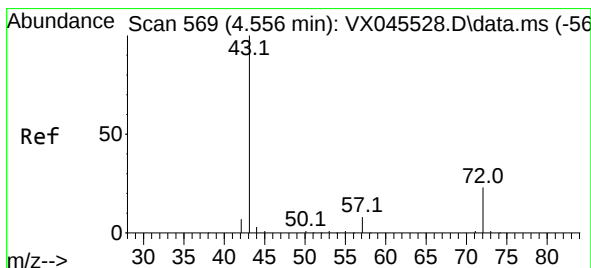
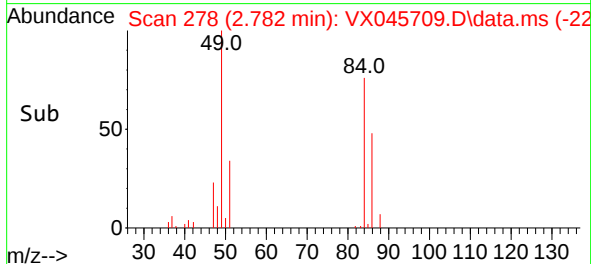
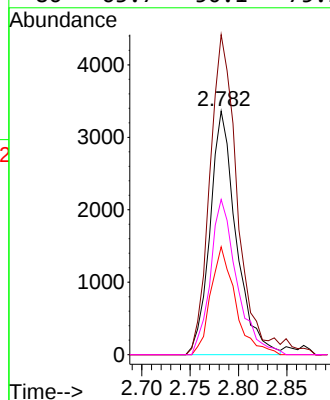
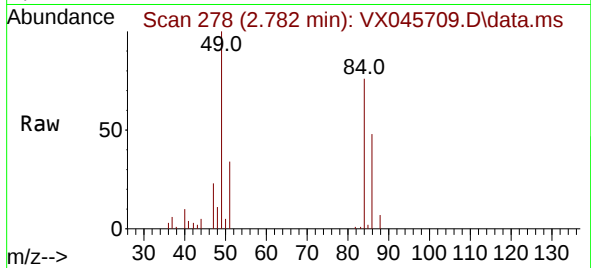




#20
Methylene Chloride
Concen: 7.126 ug/l
RT: 2.782 min Scan# 21
Delta R.T. 0.000 min
Lab File: VX045709.D
Acq: 10 Apr 2025 19:15

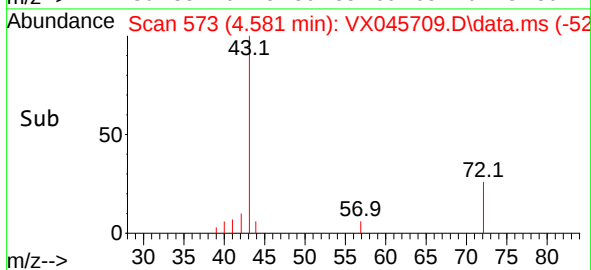
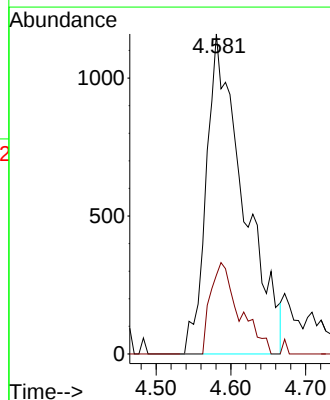
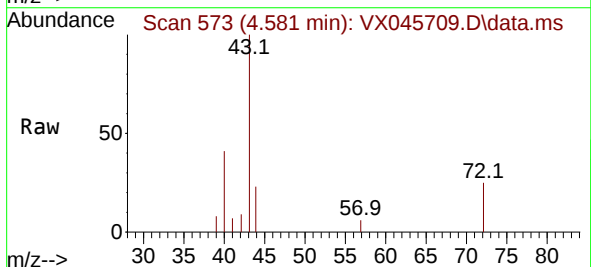
Instrument :
MSVOA_X
ClientSampleId :
TP-14

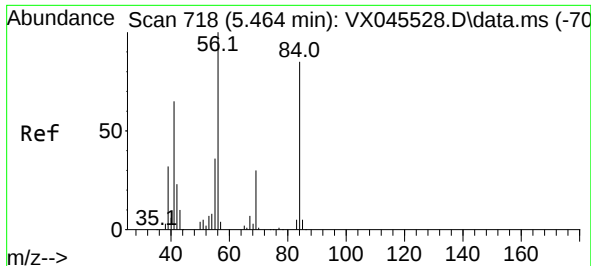
Tgt Ion: 84	Resp: 6326
Ion Ratio	Lower Upper
84 100	
49 131.4	107.5 161.3
51 44.3	33.0 49.6
86 63.7	50.1 75.1



#25
2-Butanone
Concen: 5.785 ug/l
RT: 4.581 min Scan# 573
Delta R.T. 0.024 min
Lab File: VX045709.D
Acq: 10 Apr 2025 19:15

Tgt Ion: 43	Resp: 4015		
Ion Ratio	Lower	Upper	
43 100			
72 24.6	18.6	28.0	

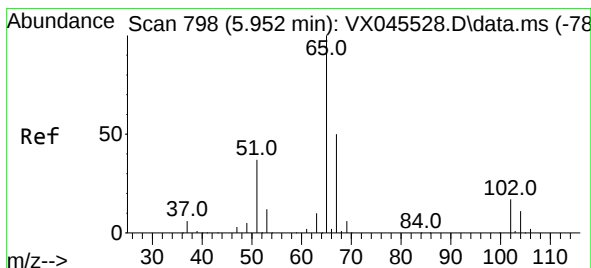
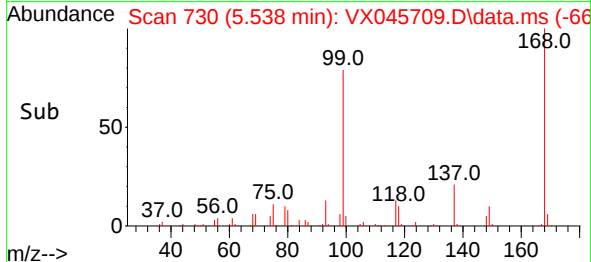
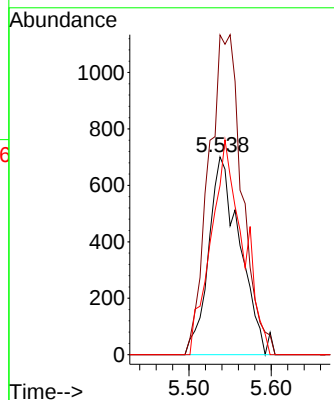
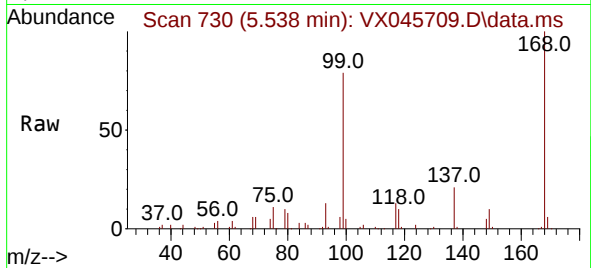




#31
Cyclohexane
Concen: 1.317 ug/l
RT: 5.538 min Scan# 718
Delta R.T. 0.073 min
Lab File: VX045709.D
Acq: 10 Apr 2025 19:15

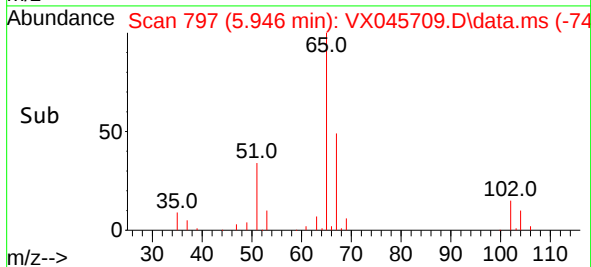
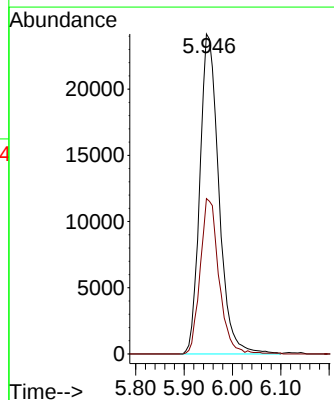
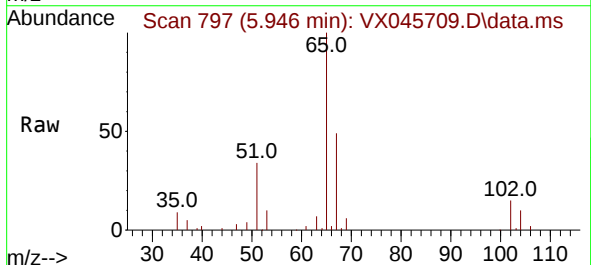
Instrument :
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ClientSampleId :
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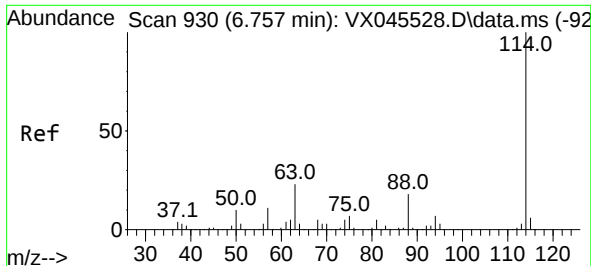
Tgt Ion: 56 Resp: 1866
Ion Ratio Lower Upper
56 100
69 161.6 23.6 35.4#
84 85.6 67.7 101.5



#33
1,2-Dichloroethane-d4
Concen: 57.186 ug/l
RT: 5.946 min Scan# 797
Delta R.T. -0.006 min
Lab File: VX045709.D
Acq: 10 Apr 2025 19:15

Tgt Ion: 65 Resp: 66034
Ion Ratio Lower Upper
65 100
67 47.8 0.0 99.0

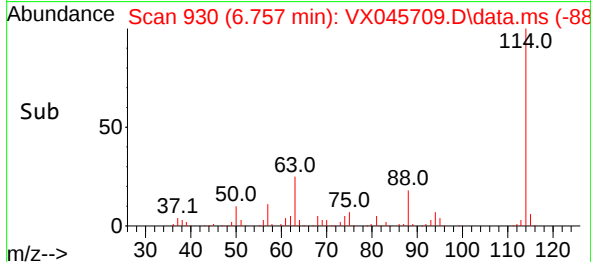
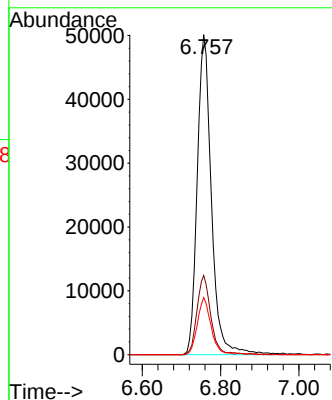
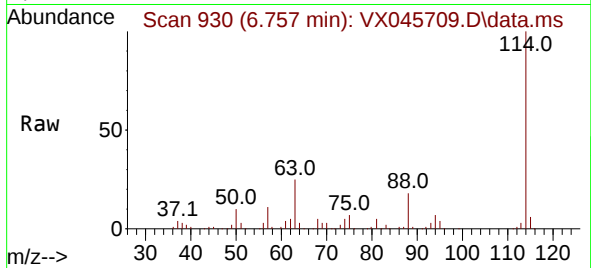




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.757 min Scan# 91
 Delta R.T. 0.000 min
 Lab File: VX045709.D
 Acq: 10 Apr 2025 19:15

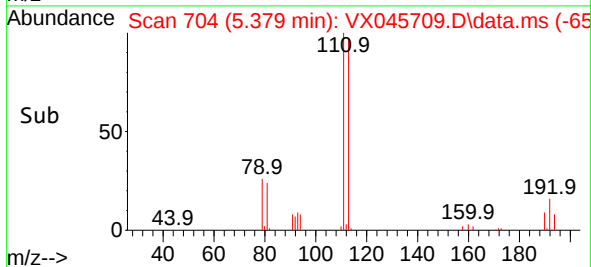
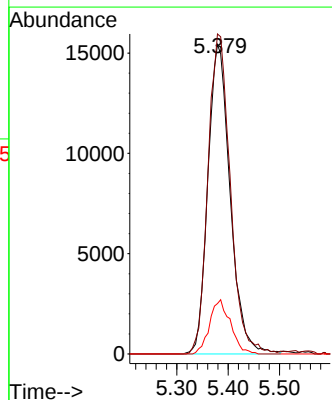
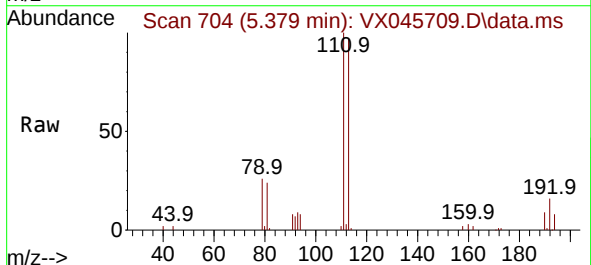
Instrument :
 MSVOA_X
 ClientSampleId :
 TP-14

Tgt Ion:114 Resp: 126552
 Ion Ratio Lower Upper
 114 100
 63 24.8 0.0 46.8
 88 17.9 0.0 35.4



#35
 Dibromofluoromethane
 Concen: 51.696 ug/l
 RT: 5.379 min Scan# 704
 Delta R.T. 0.000 min
 Lab File: VX045709.D
 Acq: 10 Apr 2025 19:15

Tgt Ion:113 Resp: 46417
 Ion Ratio Lower Upper
 113 100
 111 103.4 81.8 122.6
 192 16.5 13.8 20.6

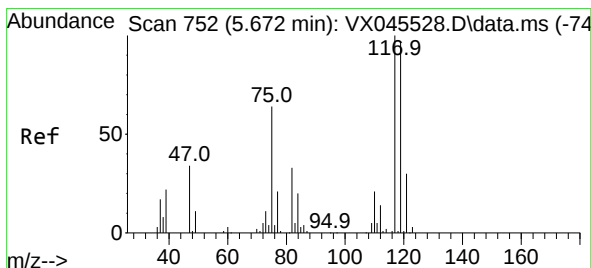
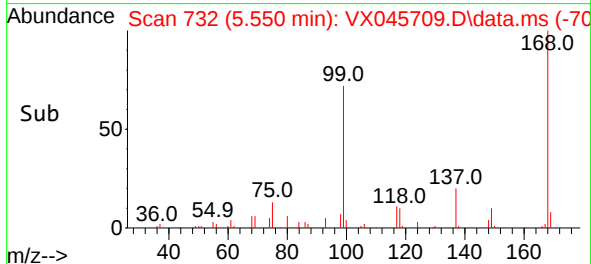
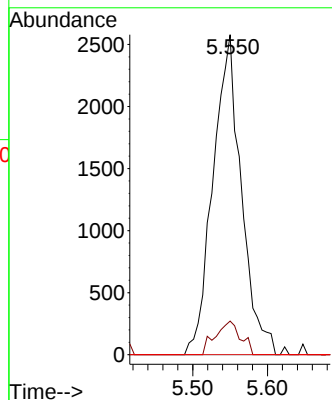
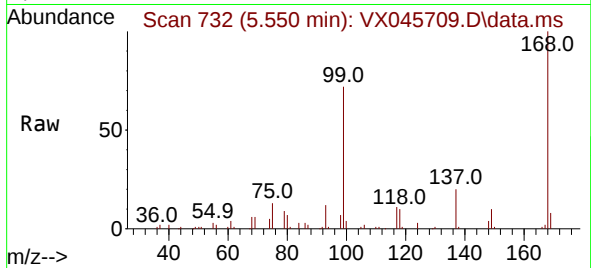




#36
1,1-Dichloropropene
Concen: 5.605 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.134 min
Lab File: VX045709.D
Acq: 10 Apr 2025 19:15

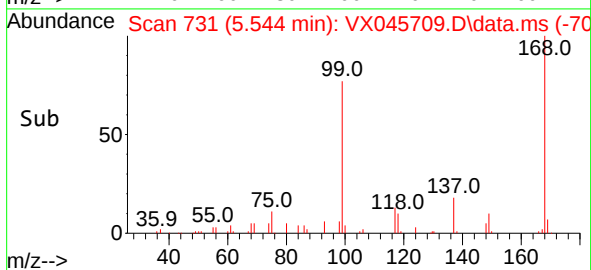
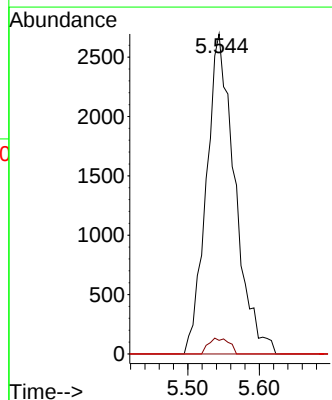
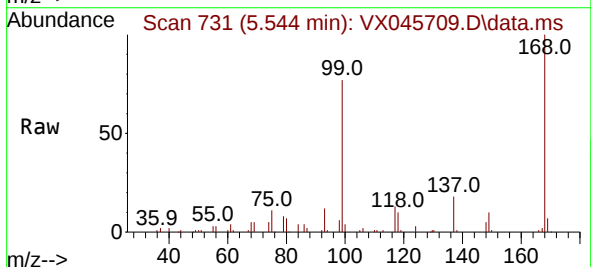
Instrument :
MSVOA_X
ClientSampleId :
TP-14

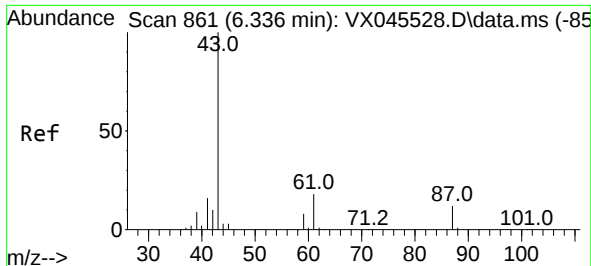
Tgt Ion: 75 Resp: 6795
Ion Ratio Lower Upper
75 100
110 9.3 16.9 50.6#
77 0.0 25.0 37.4#



#38
Carbon Tetrachloride
Concen: 5.706 ug/l
RT: 5.544 min Scan# 731
Delta R.T. -0.128 min
Lab File: VX045709.D
Acq: 10 Apr 2025 19:15

Tgt Ion: 117 Resp: 7476
Ion Ratio Lower Upper
117 100
119 4.3 76.9 115.3#
121 0.0 24.2 36.2#

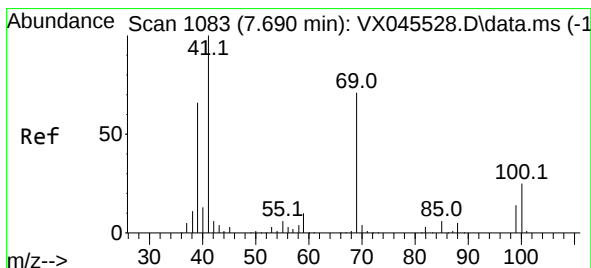
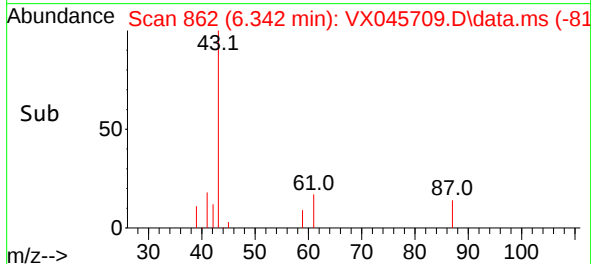
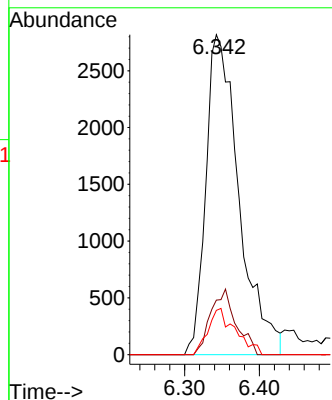
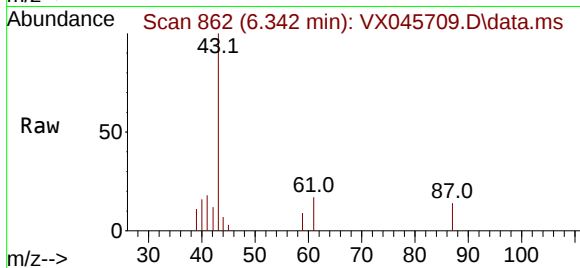




#43
Isopropyl Acetate
Concen: 3.743 ug/l
RT: 6.342 min Scan# 861
Delta R.T. 0.006 min
Lab File: VX045709.D
Acq: 10 Apr 2025 19:15

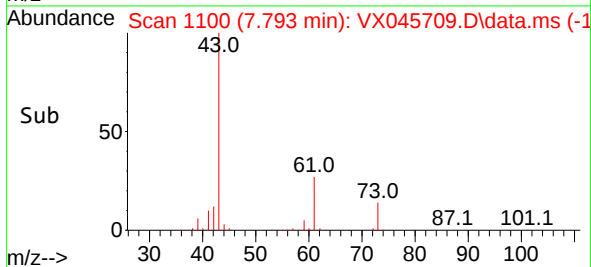
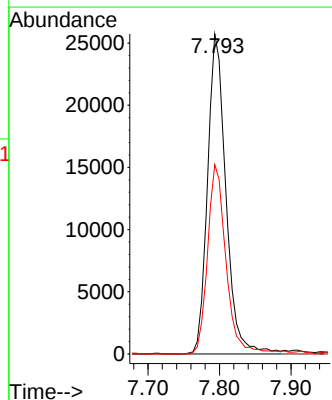
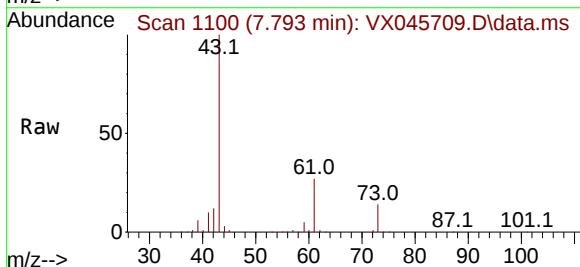
Instrument :
MSVOA_X
ClientSampleId :
TP-14

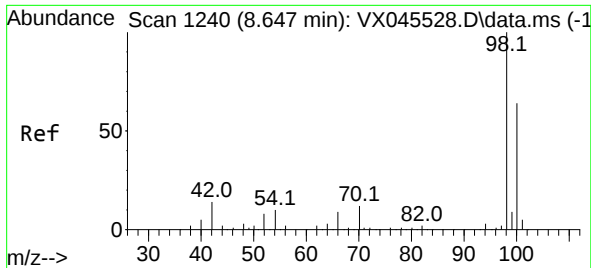
Tgt Ion: 43 Resp: 8668
Ion Ratio Lower Upper
43 100
61 15.8 14.1 21.1
87 11.8 9.2 13.8



#48
Methyl methacrylate
Concen: 38.385 ug/l
RT: 7.793 min Scan# 1100
Delta R.T. 0.104 min
Lab File: VX045709.D
Acq: 10 Apr 2025 19:15

Tgt Ion: 41 Resp: 45892
Ion Ratio Lower Upper
41 100
69 0.0 58.2 87.2#
39 59.8 53.6 80.4

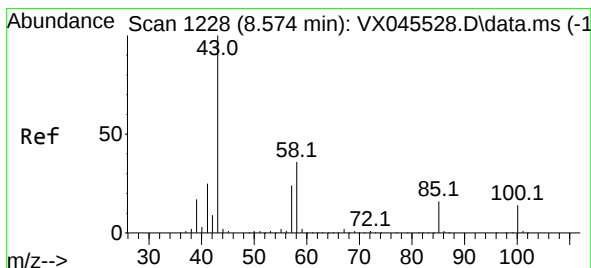
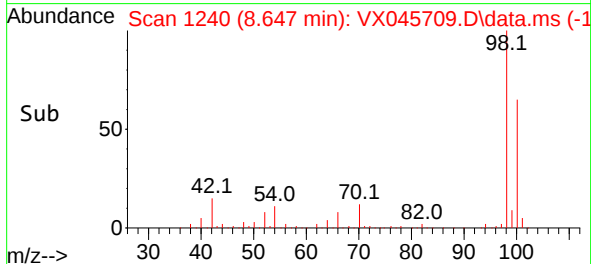
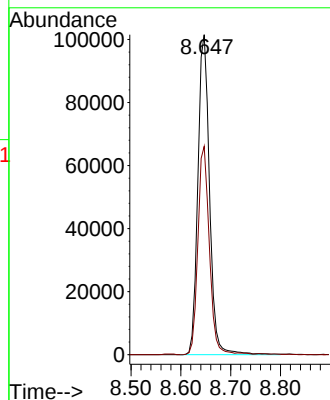
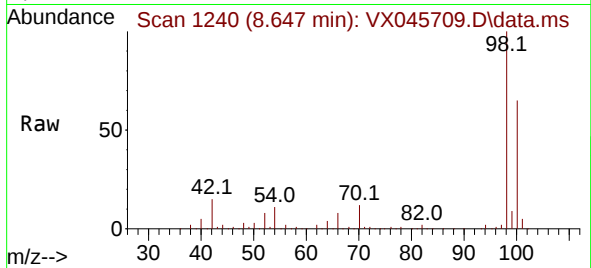




#50
Toluene-d8
Concen: 52.514 ug/l
RT: 8.647 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX045709.D
Acq: 10 Apr 2025 19:15

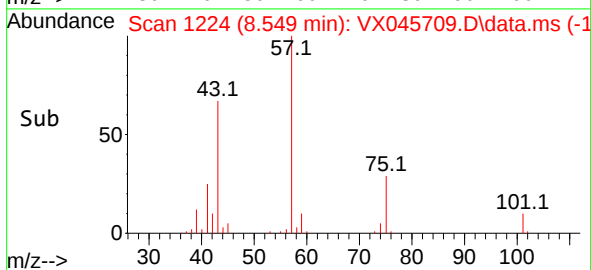
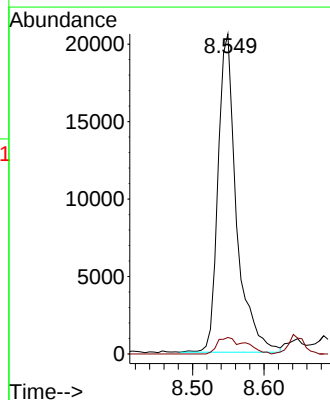
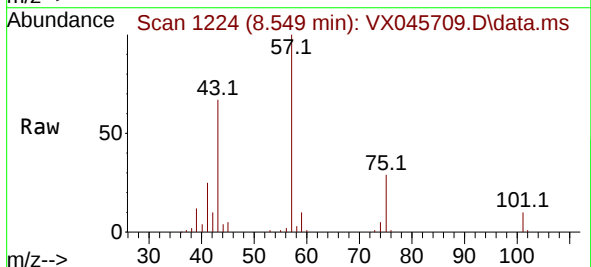
Instrument :
MSVOA_X
ClientSampleId :
TP-14

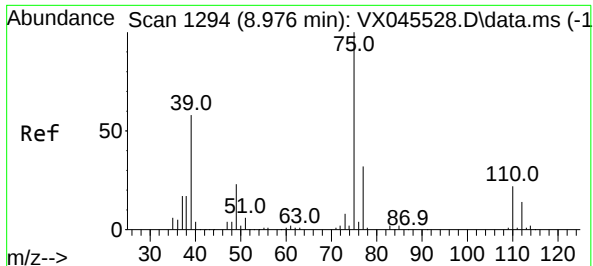
Tgt Ion: 98 Resp: 164578
Ion Ratio Lower Upper
98 100
100 64.2 52.2 78.4



#51
4-Methyl-2-Pentanone
Concen: 24.005 ug/l
RT: 8.549 min Scan# 1224
Delta R.T. -0.024 min
Lab File: VX045709.D
Acq: 10 Apr 2025 19:15

Tgt Ion: 43 Resp: 36848
Ion Ratio Lower Upper
43 100
58 7.9 28.5 42.7#





#53

t-1,3-Dichloropropene

Concen: 2.400 ug/l

RT: 8.958 min Scan# 11

Delta R.T. -0.018 min

Lab File: VX045709.D

Acq: 10 Apr 2025 19:15

Instrument :

MSVOA_X

ClientSampleId :

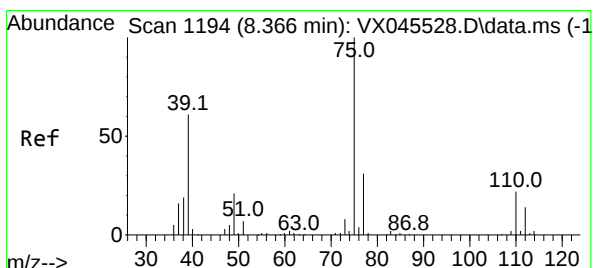
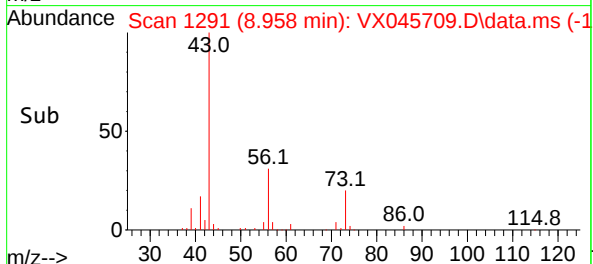
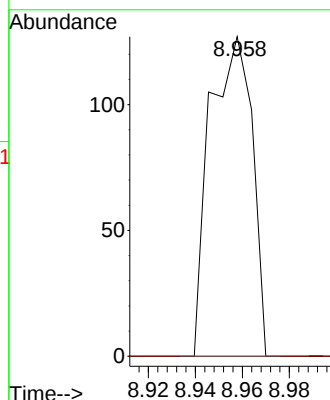
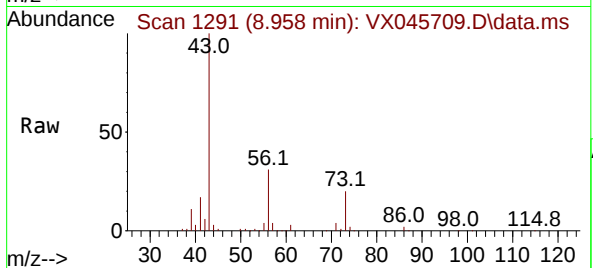
TP-14

Tgt Ion: 75 Resp: 158

Ion Ratio Lower Upper

75 100

77 0.0 25.4 38.0#



#54

cis-1,3-Dichloropropene

Concen: 10.534 ug/l

RT: 8.549 min Scan# 1224

Delta R.T. 0.183 min

Lab File: VX045709.D

Acq: 10 Apr 2025 19:15

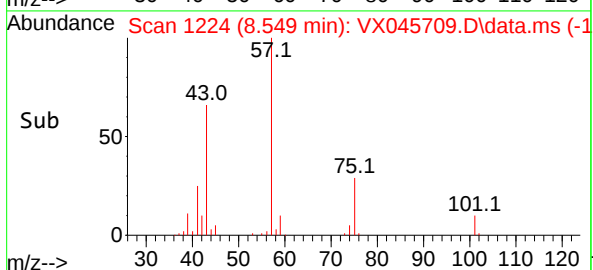
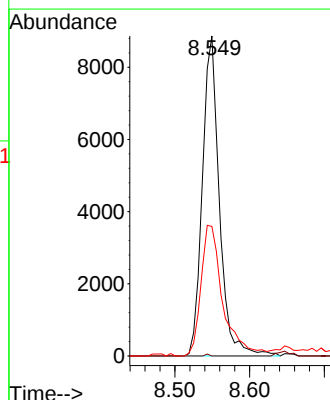
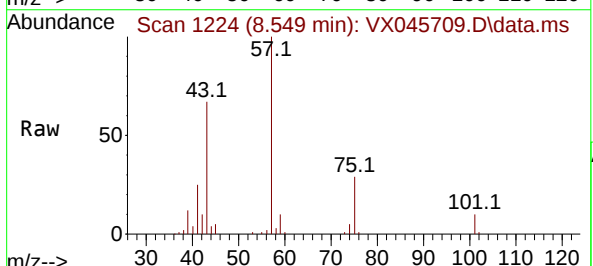
Tgt Ion: 75 Resp: 14020

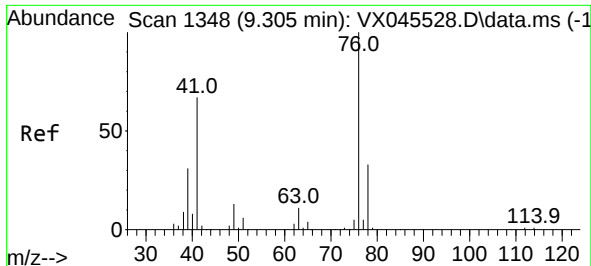
Ion Ratio Lower Upper

75 100

77 0.0 24.6 36.8#

39 40.5 48.4 72.6#





#57

1,3-Dichloropropane

Concen: 0.836 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.177 min

Lab File: VX045709.D

Acq: 10 Apr 2025 19:15

Instrument :

MSVOA_X

ClientSampleId :

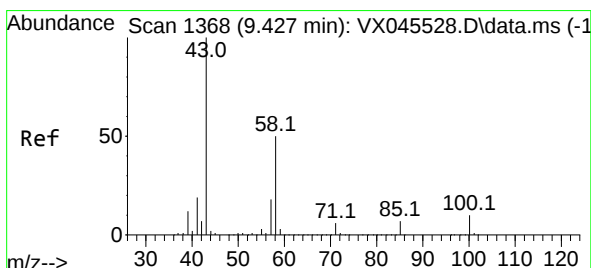
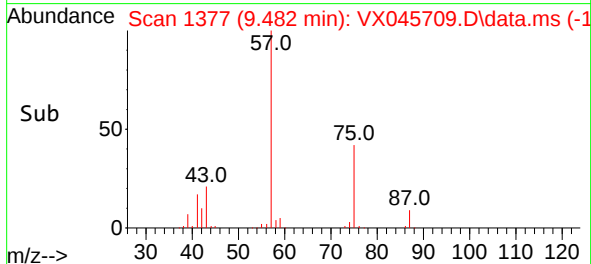
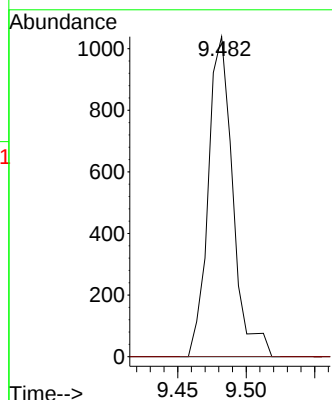
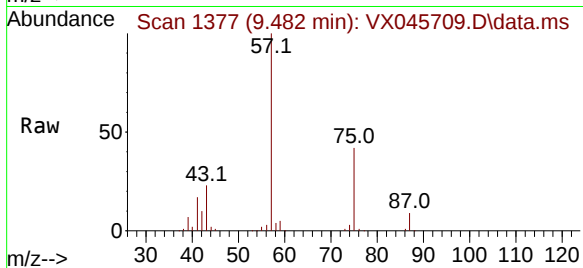
TP-14

Tgt Ion: 76 Resp: 1299

Ion Ratio Lower Upper

76 100

78 0.0 26.0 39.0#



#59

2-Hexanone

Concen: 6.404 ug/l

RT: 9.372 min Scan# 1359

Delta R.T. -0.055 min

Lab File: VX045709.D

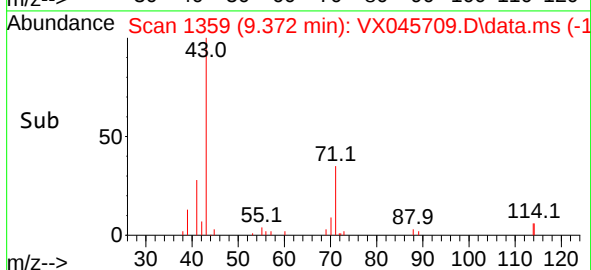
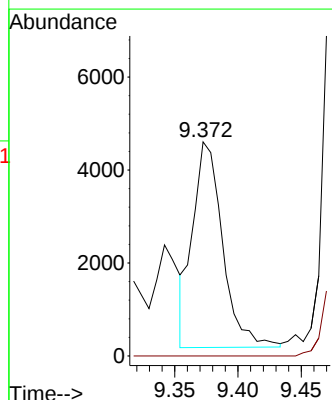
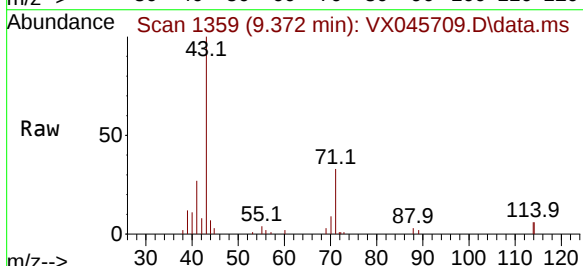
Acq: 10 Apr 2025 19:15

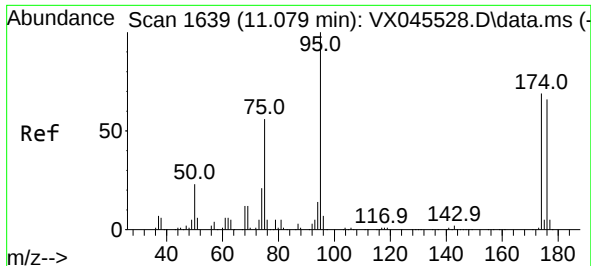
Tgt Ion: 43 Resp: 7280

Ion Ratio Lower Upper

43 100

58 0.0 24.9 74.6#

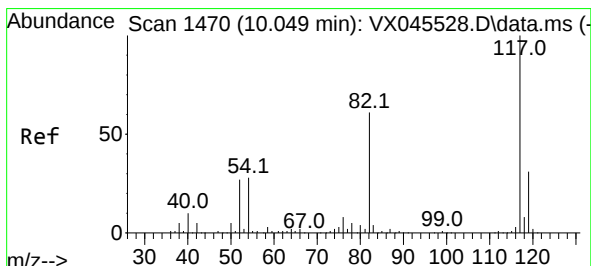
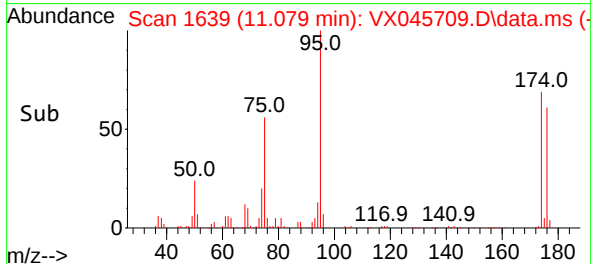
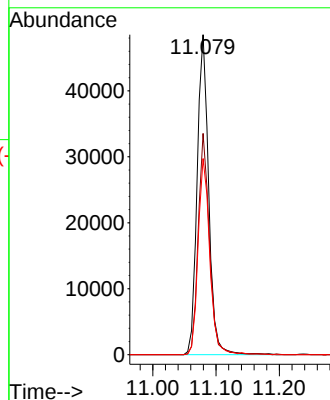
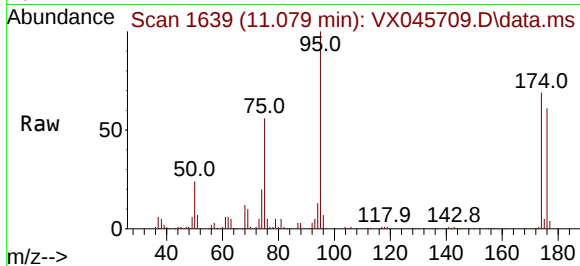




#62
4-Bromofluorobenzene
Concen: 54.015 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045709.D
Acq: 10 Apr 2025 19:15

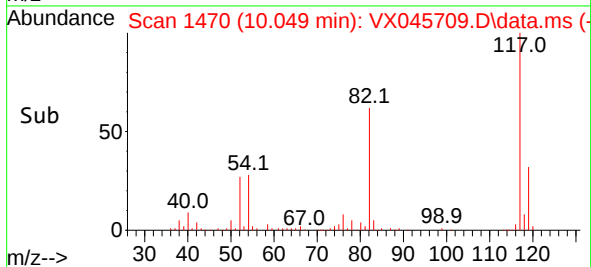
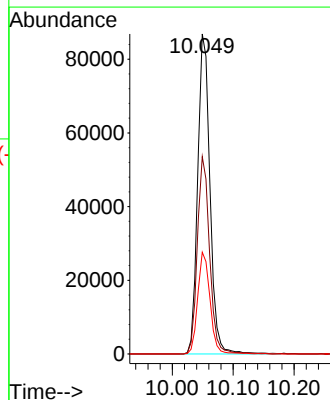
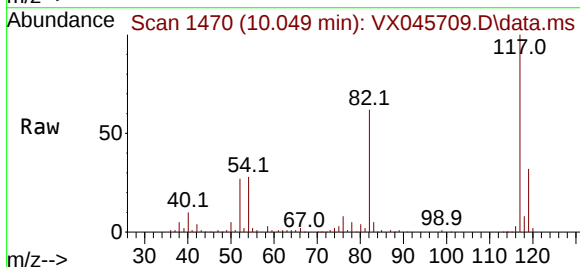
Instrument :
MSVOA_X
ClientSampleId :
TP-14

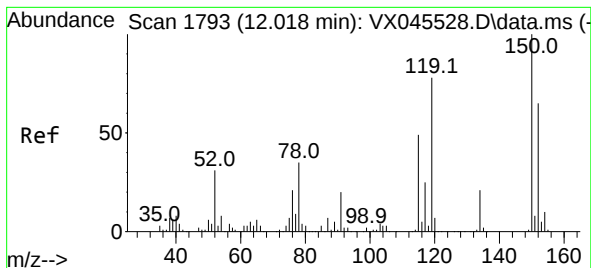
Tgt Ion: 95 Resp: 61661
Ion Ratio Lower Upper
95 100
174 67.5 0.0 135.8
176 62.2 0.0 131.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 1470
Delta R.T. 0.000 min
Lab File: VX045709.D
Acq: 10 Apr 2025 19:15

Tgt Ion: 117 Resp: 121332
Ion Ratio Lower Upper
117 100
82 61.7 49.2 73.8
119 31.8 25.1 37.7





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.018 min Scan# 11

Delta R.T. 0.000 min

Lab File: VX045709.D

Acq: 10 Apr 2025 19:15

Instrument :

MSVOA_X

ClientSampleId :

TP-14

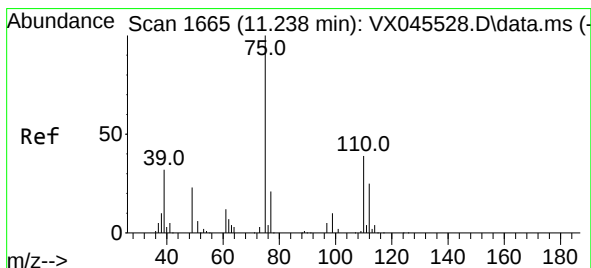
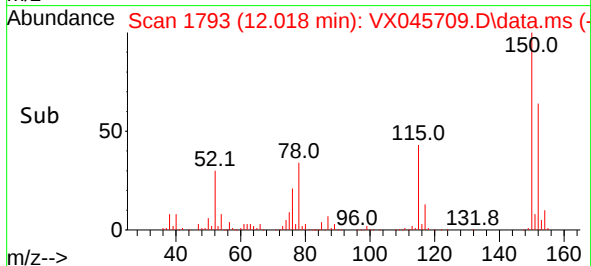
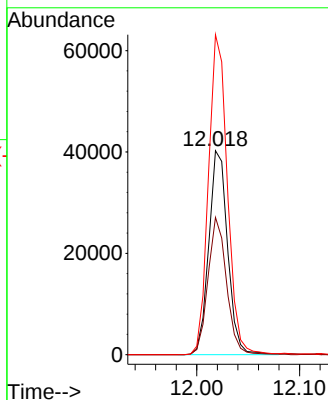
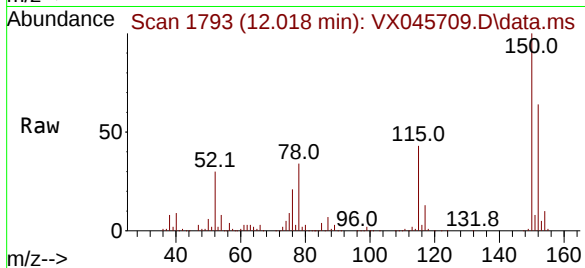
Tgt Ion:152 Resp: 51288

Ion Ratio Lower Upper

152 100

115 66.4 46.9 140.7

150 157.8 0.0 349.4



#76

1,2,3-Trichloropropane

Concen: 28.426 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.158 min

Lab File: VX045709.D

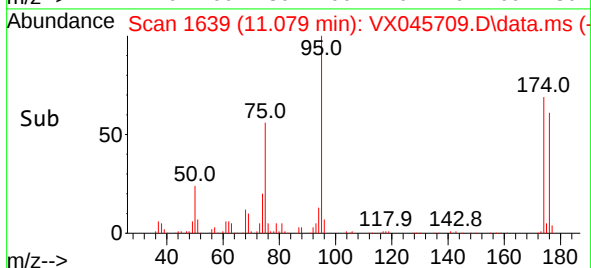
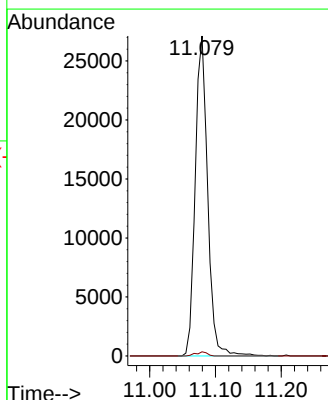
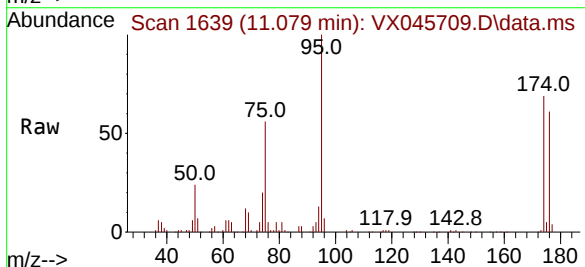
Acq: 10 Apr 2025 19:15

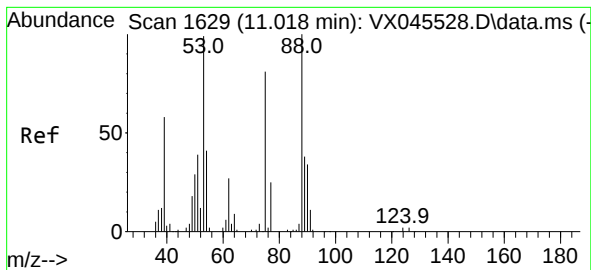
Tgt Ion: 75 Resp: 35562

Ion Ratio Lower Upper

75 100

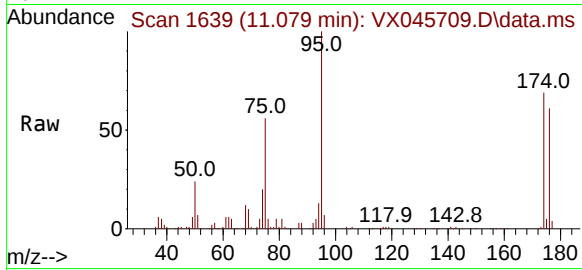
77 1.2 20.0 59.9#





#81
trans-1,4-Dichloro-2-butene
Concen: 96.475 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.061 min
Lab File: VX045709.D
Acq: 10 Apr 2025 19:15

Instrument :
MSVOA_X
ClientSampleId :
TP-14



Tgt Ion: 75 Resp: 35562
Ion Ratio Lower Upper
75 100
53 0.0 101.8 152.6#
89 0.0 37.2 55.8#

