

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX030625\
 Data File : VX045159.D
 Acq On : 06 Mar 2025 11:36
 Operator : JC/MD
 Sample : Q1501-01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-16B-87.5-030425

Quant Time: Mar 07 00:39:02 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)

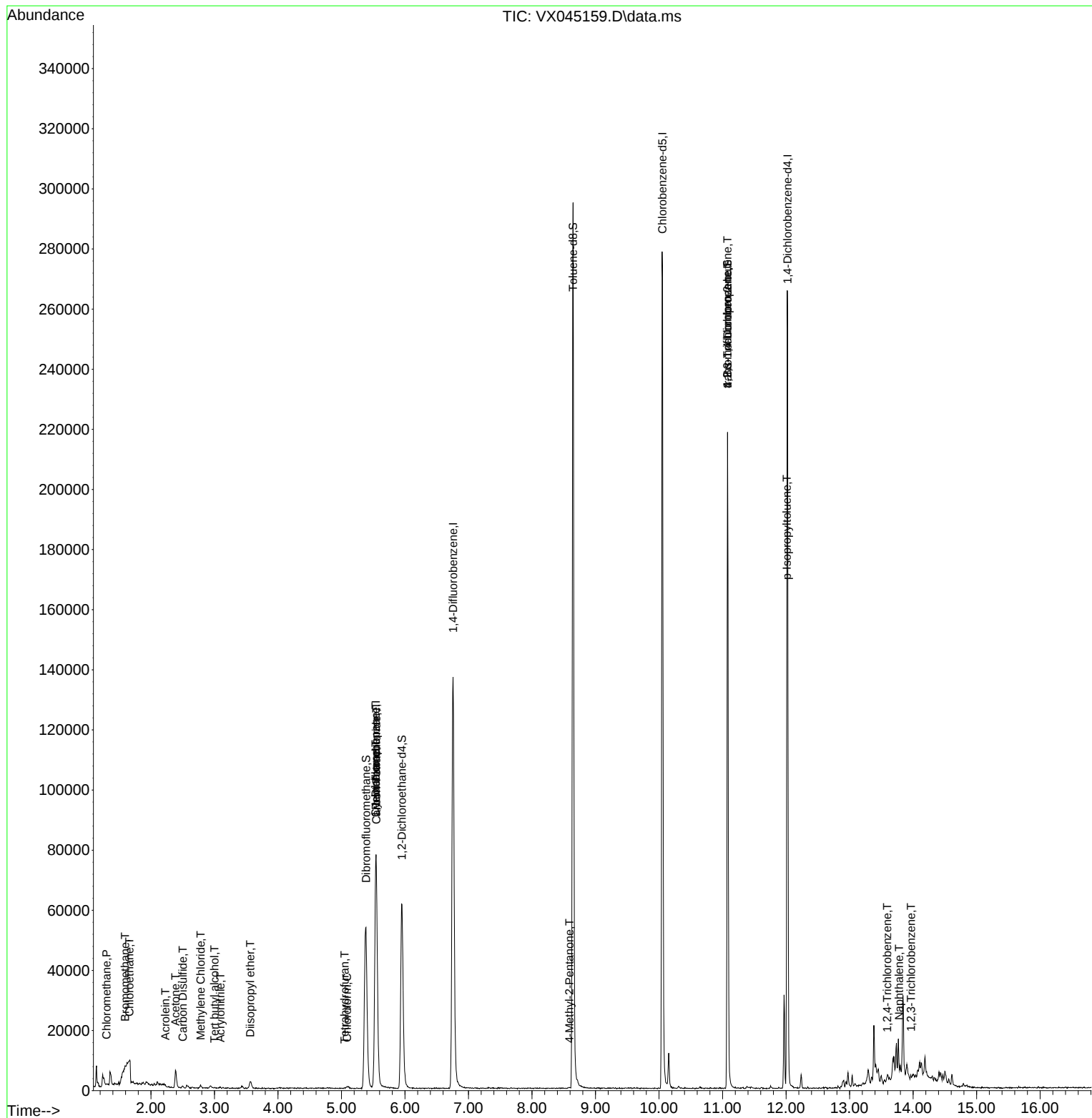
Internal Standards						
1) Pentafluorobenzene	5.543	168	72795	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	143393	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	125824	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	52705	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	59112	51.051	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 102.100%			
35) Dibromofluoromethane	5.385	113	47786	49.838	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 99.680%			
50) Toluene-d8	8.646	98	175482	50.482	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 100.960%			
62) 4-Bromofluorobenzene	11.079	95	56245	48.829	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 97.660%			
Target Compounds					Qvalue	
3) Chloromethane	1.300	50	448	0.400	ug/l	98
5) Bromomethane	1.593	94	102	0.233	ug/l #	64
6) Chloroethane	1.660	64	206	0.401	ug/l #	41
11) Tert butyl alcohol	3.001	59	373	1.701	ug/l #	73
13) Acrolein	2.227	56	54	0.213	ug/l	89
15) Acrylonitrile	3.093	53	160	0.272	ug/l #	59
16) Acetone	2.385	43	6724	12.516	ug/l	93
17) Carbon Disulfide	2.501	76	717	0.301	ug/l #	77
20) Methylene Chloride	2.782	84	510	0.479	ug/l #	61
22) Diisopropyl ether	3.562	45	1267	0.391	ug/l #	1
29) Tetrahydrofuran	5.050	42	114	0.210	ug/l #	34
30) Chloroform	5.086	83	413	0.229	ug/l	94
31) Cyclohexane	5.537	56	1793	1.138	ug/l #	13
36) 1,1-Dichloropropene	5.537	75	6425	4.886	ug/l #	51
38) Carbon Tetrachloride	5.550	117	7684	5.756	ug/l #	16
51) 4-Methyl-2-Pentanone	8.592	43	337	0.200	ug/l #	38
76) 1,2,3-Trichloropropane	11.079	75	30324	24.720	ug/l #	36
81) trans-1,4-Dichloro-2-b...	11.079	75	30324	84.595	ug/l #	6
86) p-Isopropyltoluene	12.012	119	1074	0.325	ug/l #	72
93) 1,2,4-Trichlorobenzene	13.591	180	280	0.283	ug/l #	77
95) Naphthalene	13.780	128	1470	0.387	ug/l #	89
96) 1,2,3-Trichlorobenzene	13.969	180	318	0.305	ug/l	78

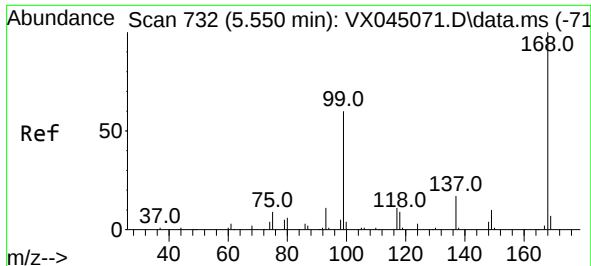
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Instrument :
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ClientSampleId :
MW-16B-87.5-030425

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Quant Title : SW846 8260
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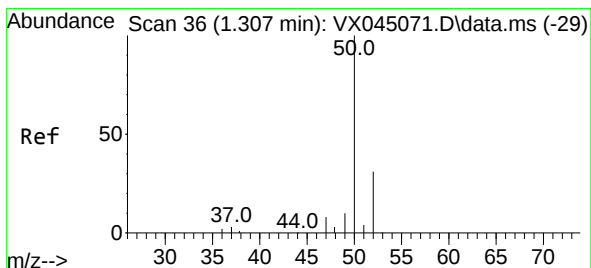
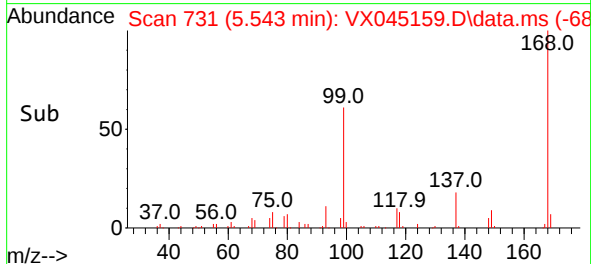
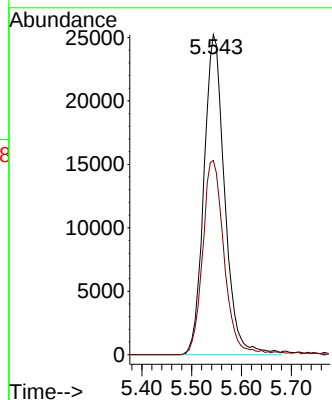
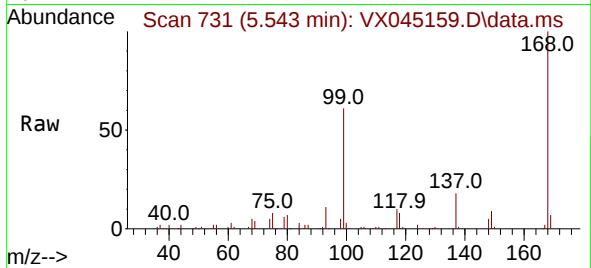




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.543 min Scan# 71
Delta R.T. -0.007 min
Lab File: VX045159.D
Acq: 06 Mar 2025 11:36

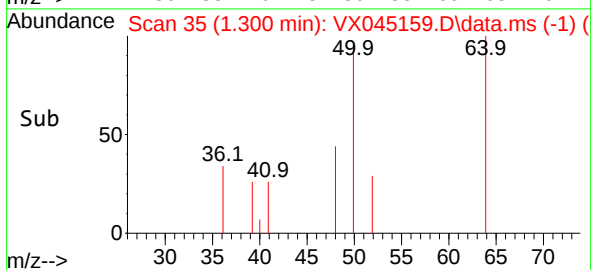
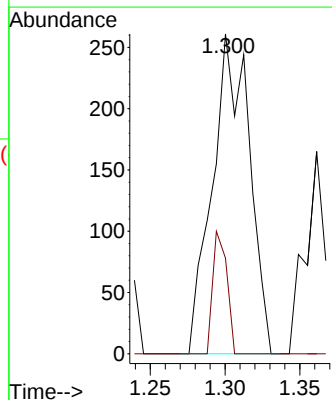
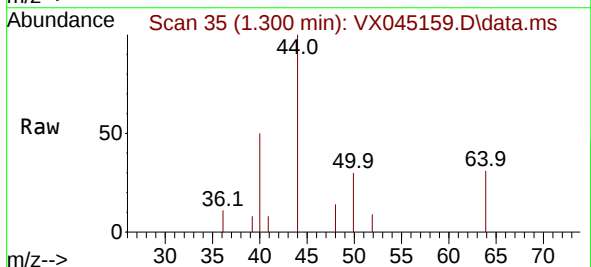
Instrument :
MSVOA_X
ClientSampleId :
MW-16B-87.5-030425

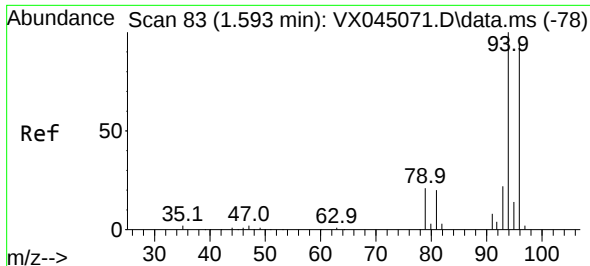
Tgt Ion:168 Resp: 72795
Ion Ratio Lower Upper
168 100
99 60.7 48.2 72.4



#3
Chloromethane
Concen: 0.400 ug/l
RT: 1.300 min Scan# 35
Delta R.T. -0.006 min
Lab File: VX045159.D
Acq: 06 Mar 2025 11:36

Tgt Ion: 50 Resp: 448
Ion Ratio Lower Upper
50 100
52 29.9 25.0 37.4

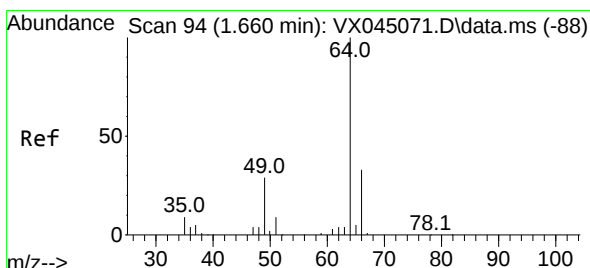
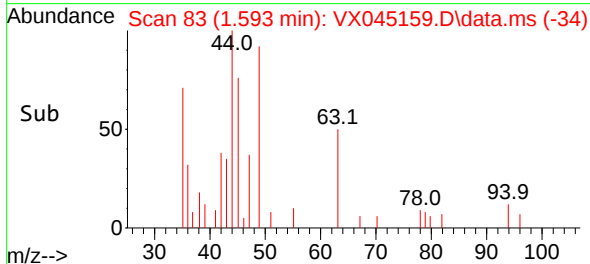
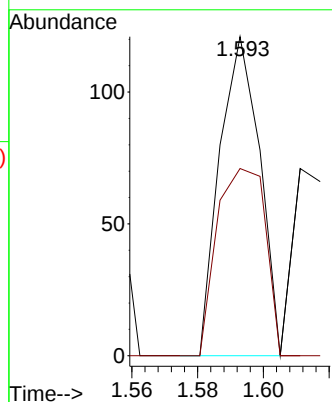
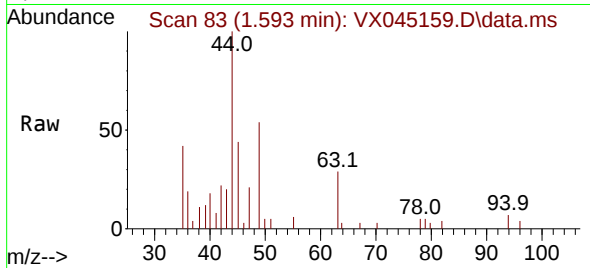




#5
Bromomethane
Concen: 0.233 ug/l
RT: 1.593 min Scan# 81
Delta R.T. -0.000 min
Lab File: VX045159.D
Acq: 06 Mar 2025 11:36

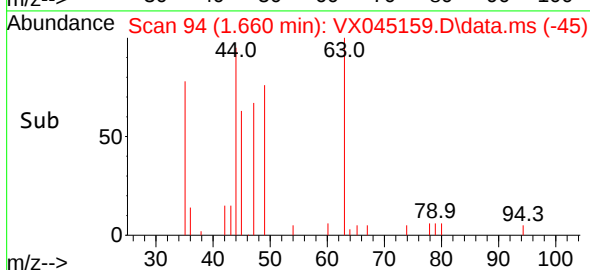
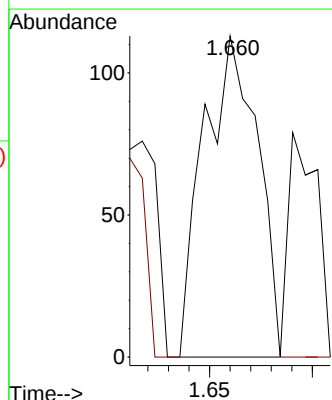
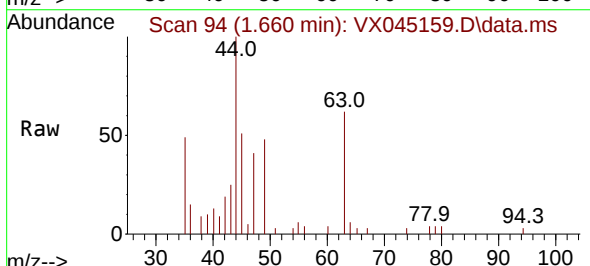
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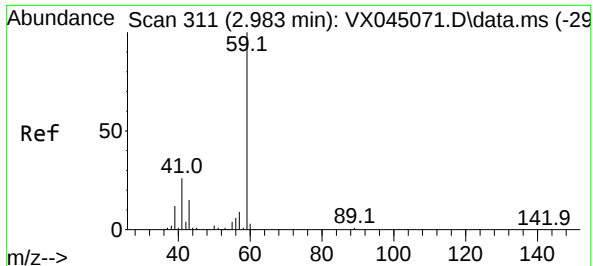
Tgt Ion: 94 Resp: 102
Ion Ratio Lower Upper
94 100
96 58.7 75.0 112.4#



#6
Chloroethane
Concen: 0.401 ug/l
RT: 1.660 min Scan# 94
Delta R.T. -0.000 min
Lab File: VX045159.D
Acq: 06 Mar 2025 11:36

Tgt Ion: 64 Resp: 206
Ion Ratio Lower Upper
64 100
66 0.0 26.7 40.1#

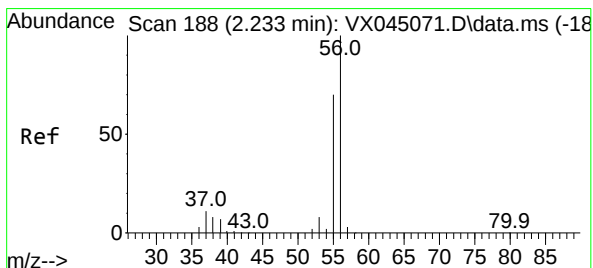
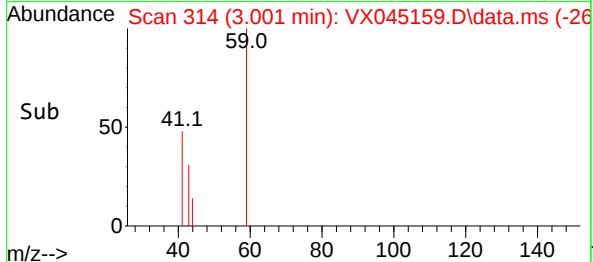
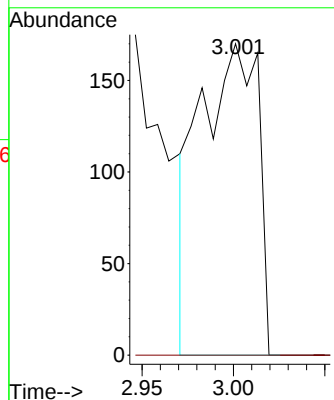
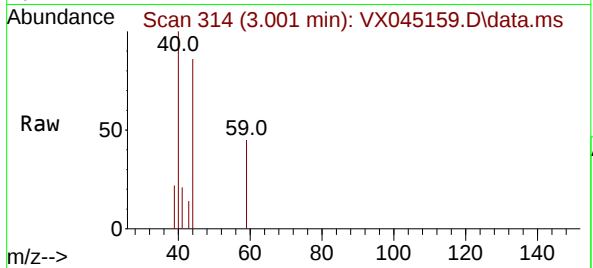




#11
Tert butyl alcohol
Concen: 1.701 ug/l
RT: 3.001 min Scan# 311
Delta R.T. 0.018 min
Lab File: VX045159.D
Acq: 06 Mar 2025 11:36

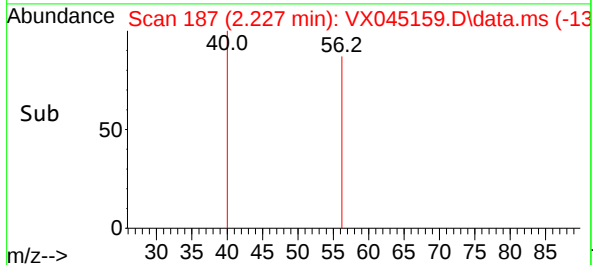
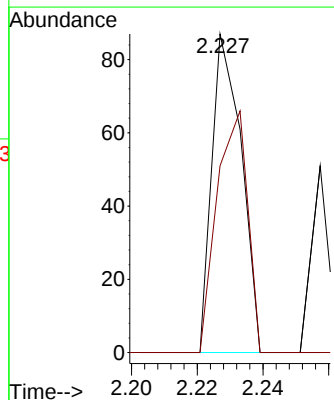
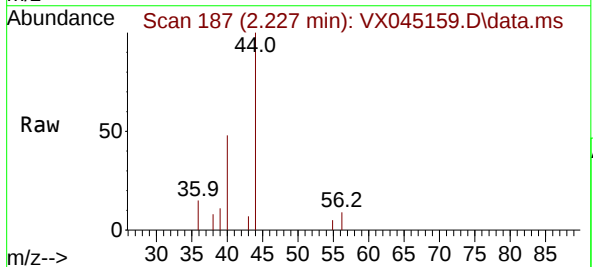
Instrument :
MSVOA_X
ClientSampleId :
MW-16B-87.5-030425

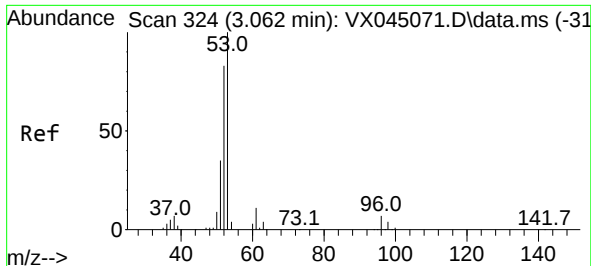
Tgt Ion: 59 Resp: 373
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#



#13
Acrolein
Concen: 0.213 ug/l
RT: 2.227 min Scan# 187
Delta R.T. -0.006 min
Lab File: VX045159.D
Acq: 06 Mar 2025 11:36

Tgt Ion: 56 Resp: 54
Ion Ratio Lower Upper
56 100
55 79.6 56.2 84.4





#15

Acrylonitrile

Concen: 0.272 ug/l

RT: 3.093 min Scan# 31

Delta R.T. 0.030 min

Lab File: VX045159.D

Acq: 06 Mar 2025 11:36

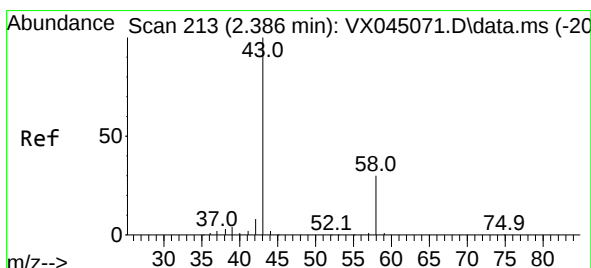
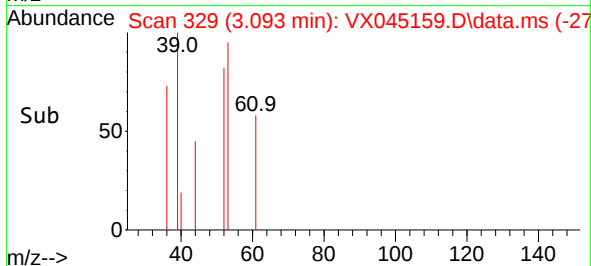
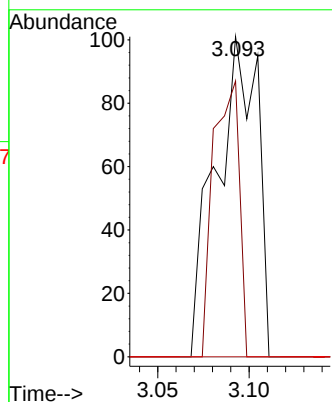
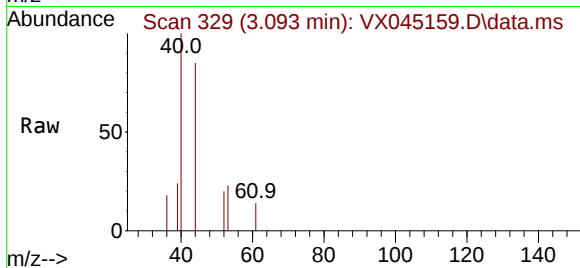
Instrument :

MSVOA_X

ClientSampleId :

MW-16B-87.5-030425

Tgt Ion: 53	Resp:	160
Ion	Ratio	Lower Upper
53	100	
52	53.8	66.2 99.2#
51	0.0	29.0 43.4#



#16

Acetone

Concen: 12.516 ug/l

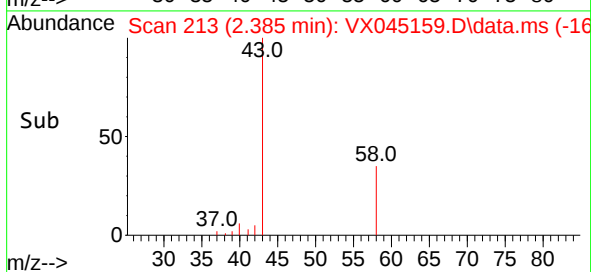
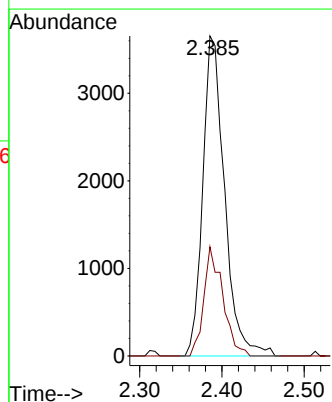
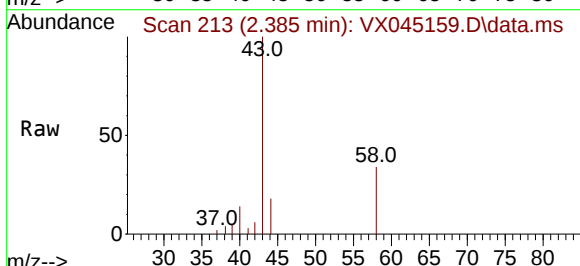
RT: 2.385 min Scan# 213

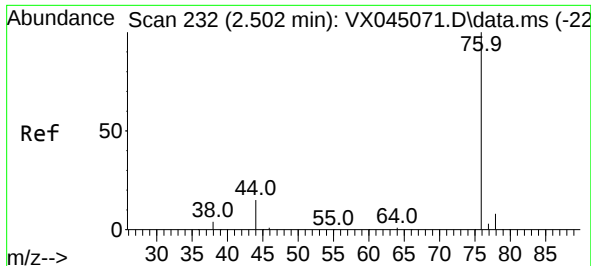
Delta R.T. -0.000 min

Lab File: VX045159.D

Acq: 06 Mar 2025 11:36

Tgt Ion: 43	Resp:	6724
Ion	Ratio	Lower Upper
43	100	
58	34.1	24.2 36.4





#17

Carbon Disulfide

Concen: 0.301 ug/l

RT: 2.501 min Scan# 21

Delta R.T. -0.000 min

Lab File: VX045159.D

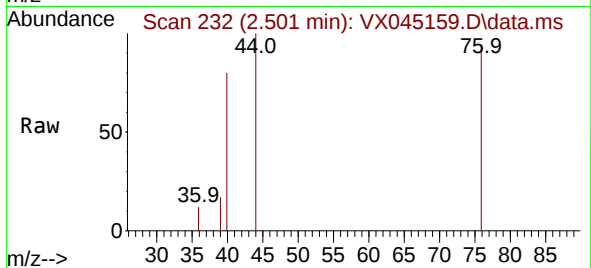
Acq: 06 Mar 2025 11:36

Instrument :

MSVOA_X

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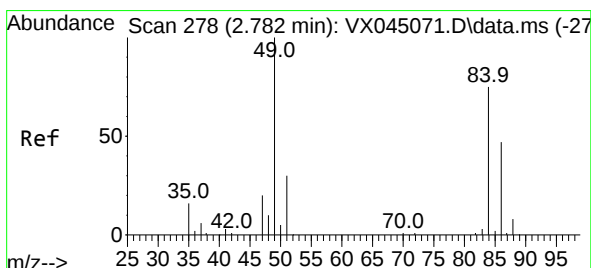
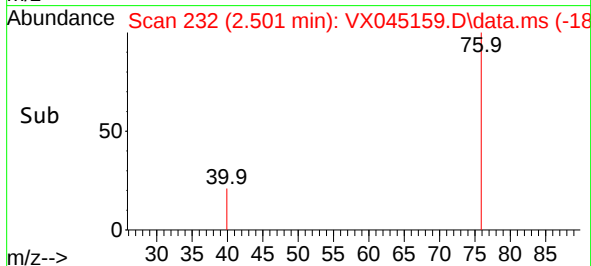
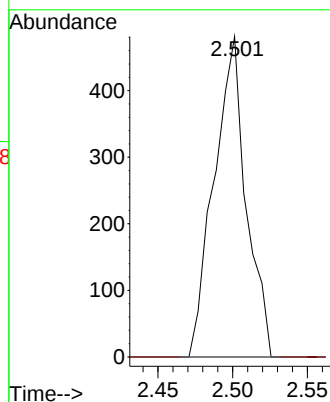


Tgt Ion: 76 Resp: 717

Ion Ratio Lower Upper

76 100

78 0.0 6.6 9.8#



#20

Methylene Chloride

Concen: 0.479 ug/l

RT: 2.782 min Scan# 278

Delta R.T. -0.000 min

Lab File: VX045159.D

Acq: 06 Mar 2025 11:36

Tgt Ion: 84 Resp: 510

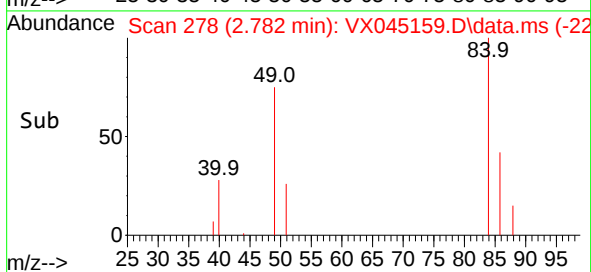
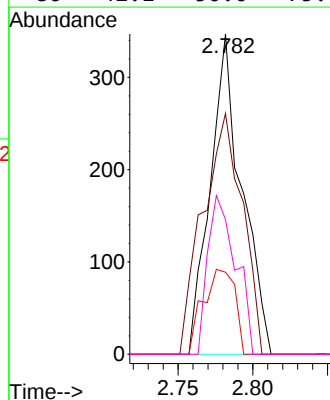
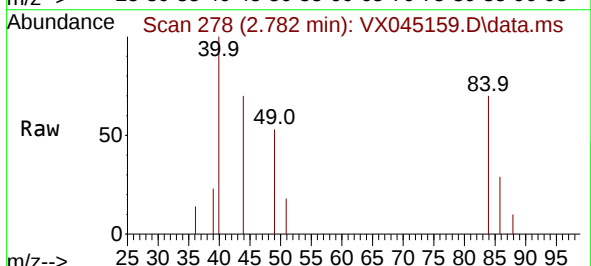
Ion Ratio Lower Upper

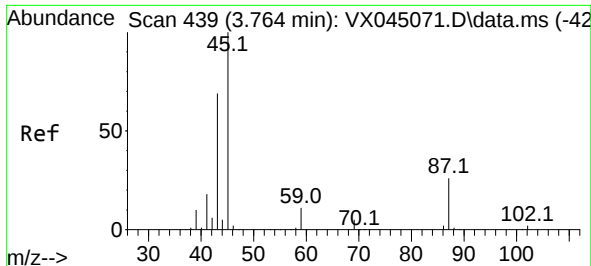
84 100

49 75.2 106.5 159.7#

51 25.6 32.1 48.1#

86 42.1 50.0 75.0#

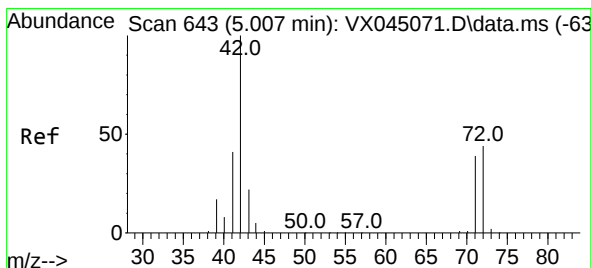
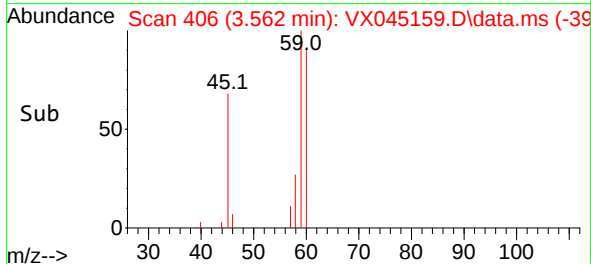
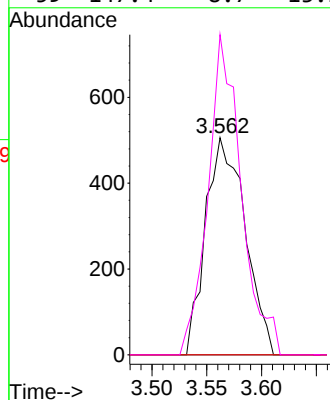
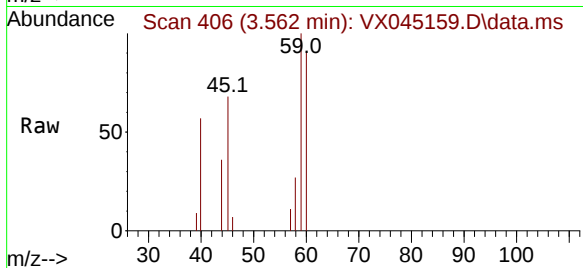




#22
Diisopropyl ether
Concen: 0.391 ug/l
RT: 3.562 min Scan# 406
Delta R.T. -0.202 min
Lab File: VX045159.D
Acq: 06 Mar 2025 11:36

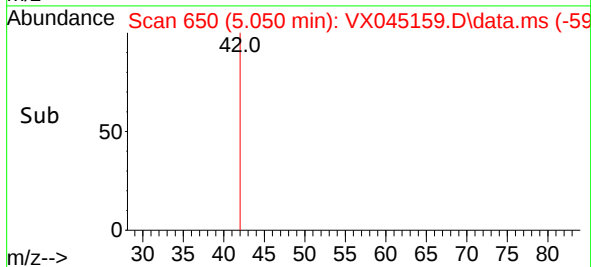
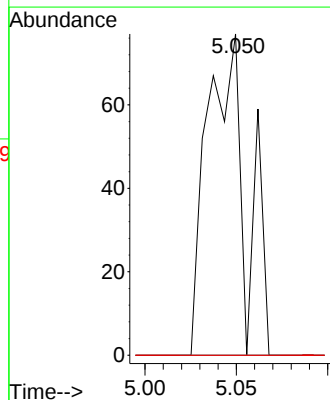
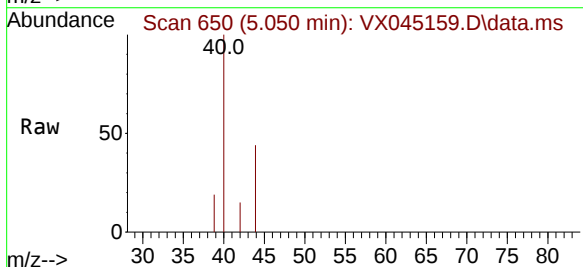
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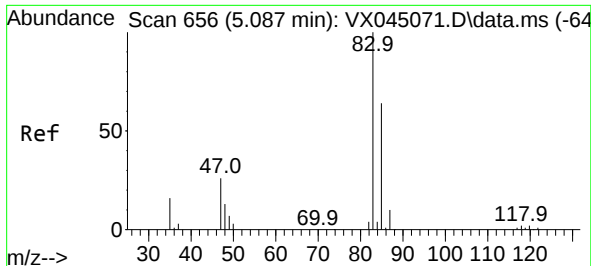
Tgt Ion:	45	Resp:	1267
Ion	Ratio	Lower	Upper
45	100		
43	0.0	54.9	82.3#
87	0.0	21.0	31.4#
59	147.4	8.7	13.1#



#29
Tetrahydrofuran
Concen: 0.210 ug/l
RT: 5.050 min Scan# 650
Delta R.T. 0.042 min
Lab File: VX045159.D
Acq: 06 Mar 2025 11:36

Tgt Ion:	42	Resp:	114
Ion	Ratio	Lower	Upper
42	100		
72	0.0	34.1	51.1#
71	0.0	31.4	47.0#

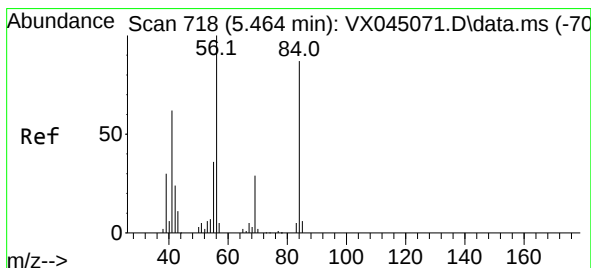
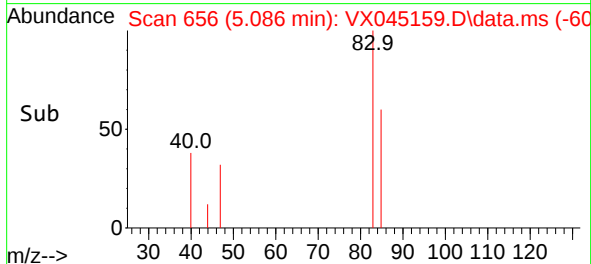
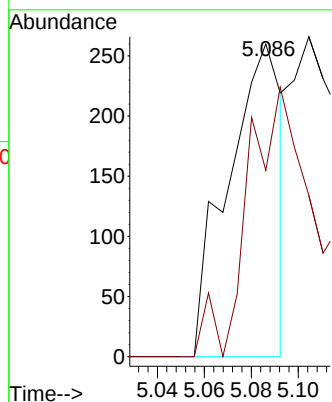
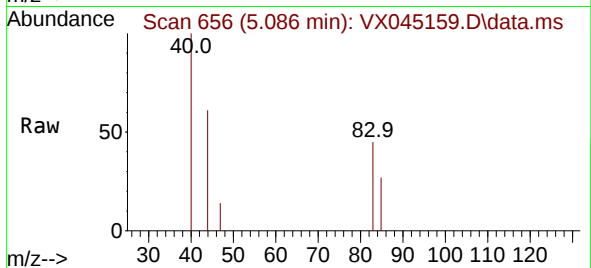




#30
Chloroform
Concen: 0.229 ug/l
RT: 5.086 min Scan# 61
Delta R.T. -0.000 min
Lab File: VX045159.D
Acq: 06 Mar 2025 11:36

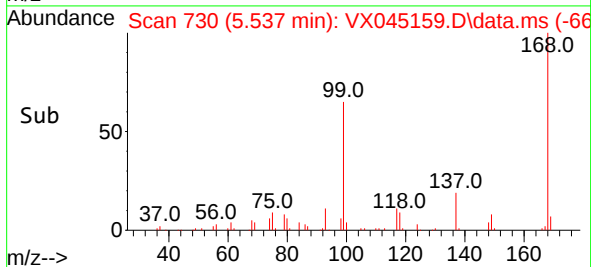
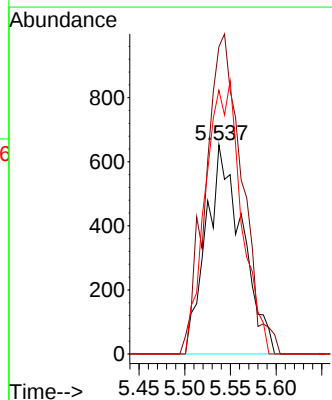
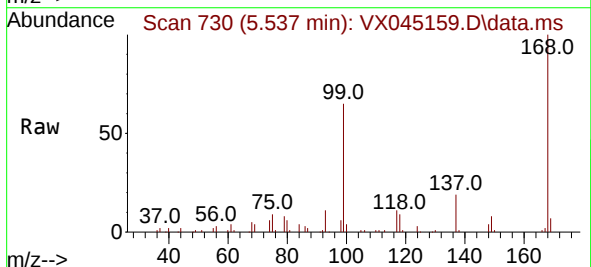
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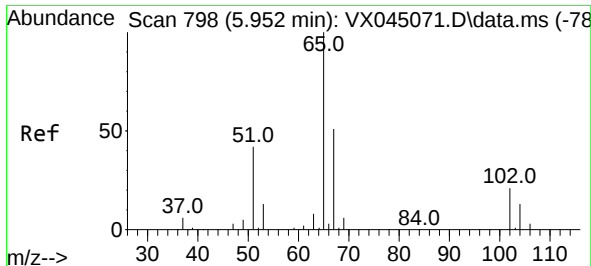
Tgt Ion: 83 Resp: 413
Ion Ratio Lower Upper
83 100
85 59.6 51.4 77.2



#31
Cyclohexane
Concen: 1.138 ug/l
RT: 5.537 min Scan# 730
Delta R.T. 0.073 min
Lab File: VX045159.D
Acq: 06 Mar 2025 11:36

Tgt Ion: 56 Resp: 1793
Ion Ratio Lower Upper
56 100
69 146.9 23.4 35.2#
84 126.0 69.4 104.2#





#33

1,2-Dichloroethane-d4

Concen: 51.051 ug/l

RT: 5.952 min Scan# 798

Delta R.T. -0.000 min

Lab File: VX045159.D

Acq: 06 Mar 2025 11:36

Instrument :

MSVOA_X

ClientSampleId :

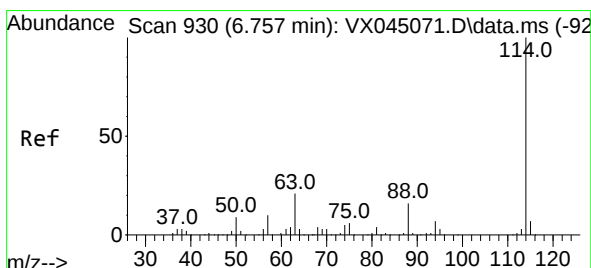
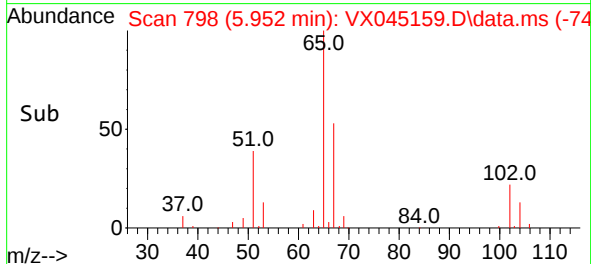
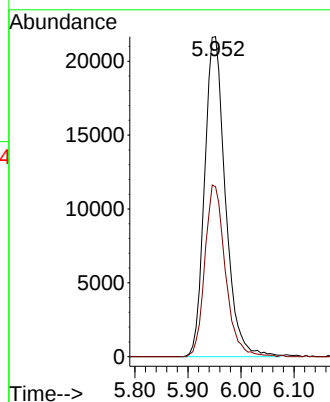
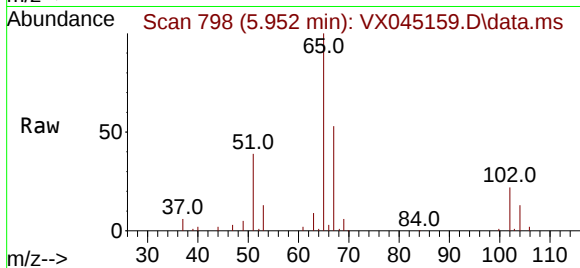
MW-16B-87.5-030425

Tgt Ion: 65 Resp: 59112

Ion Ratio Lower Upper

65 100

67 52.8 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: VX045159.D

Acq: 06 Mar 2025 11:36

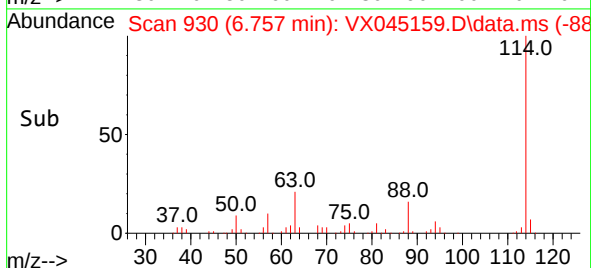
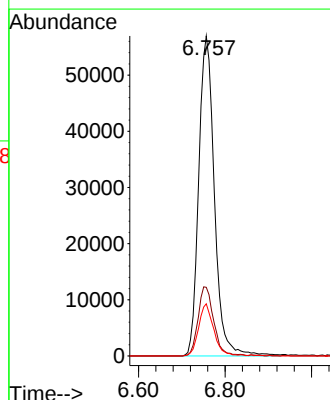
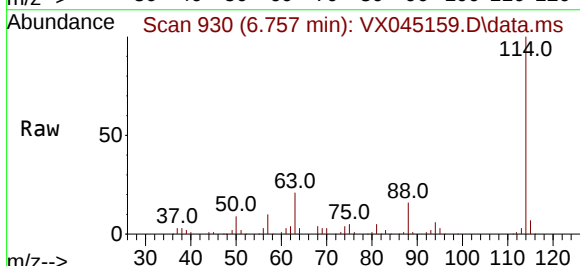
Tgt Ion: 114 Resp: 143393

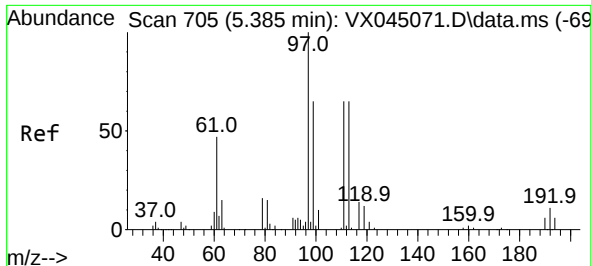
Ion Ratio Lower Upper

114 100

63 21.5 0.0 41.8

88 16.3 0.0 32.8

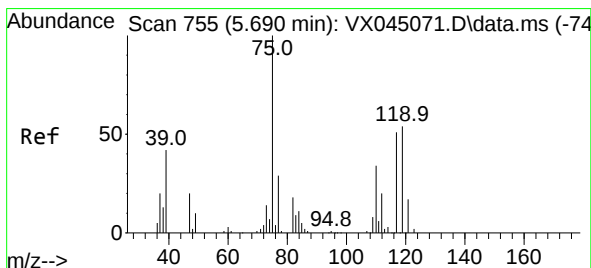
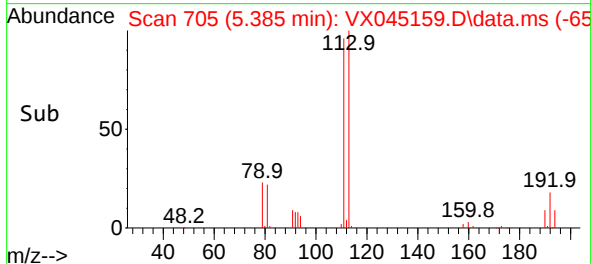
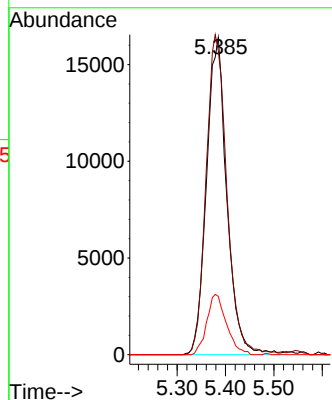
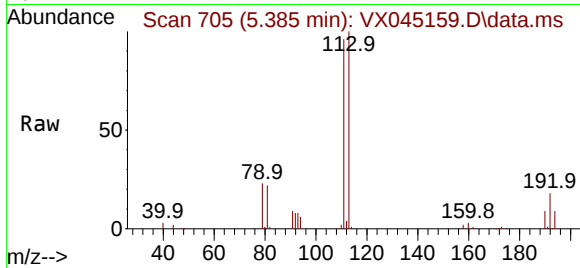




#35
Dibromofluoromethane
Concen: 49.838 ug/l
RT: 5.385 min Scan# 705
Delta R.T. -0.000 min
Lab File: VX045159.D
Acq: 06 Mar 2025 11:36

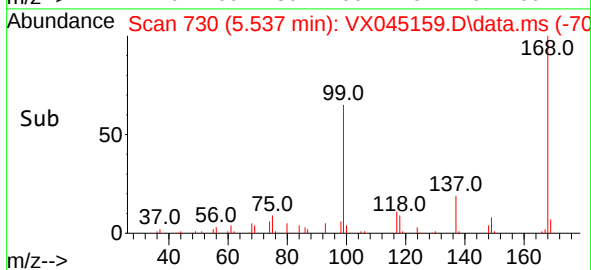
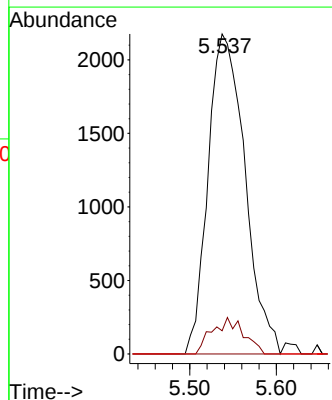
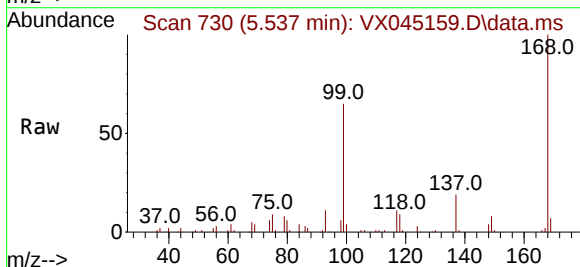
Instrument :
MSVOA_X
ClientSampleId :
MW-16B-87.5-030425

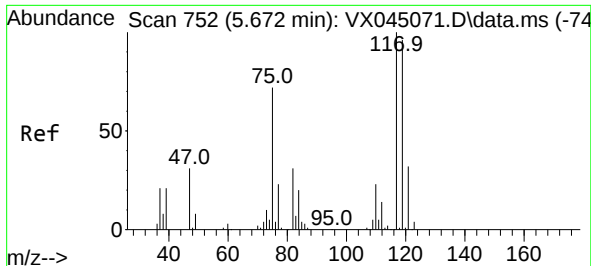
Tgt Ion:113 Resp: 47786
Ion Ratio Lower Upper
113 100
111 103.3 81.8 122.6
192 18.4 14.3 21.5



#36
1,1-Dichloropropene
Concen: 4.886 ug/l
RT: 5.537 min Scan# 730
Delta R.T. -0.153 min
Lab File: VX045159.D
Acq: 06 Mar 2025 11:36

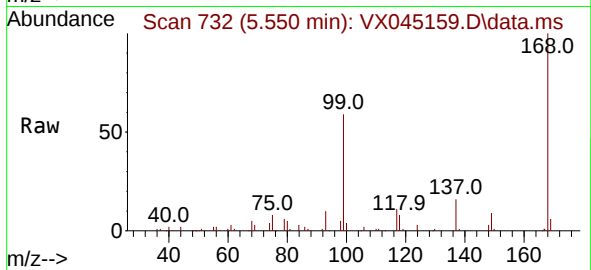
Tgt Ion: 75 Resp: 6425
Ion Ratio Lower Upper
75 100
110 9.7 16.9 50.6#
77 0.0 24.5 36.7#



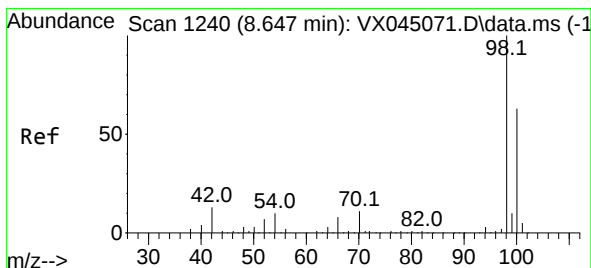
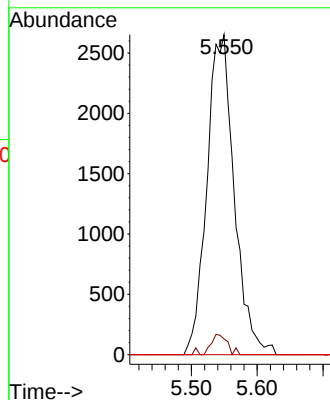
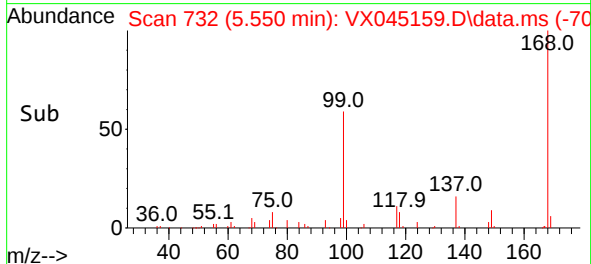


#38
Carbon Tetrachloride
Concen: 5.756 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.122 min
Lab File: VX045159.D
Acq: 06 Mar 2025 11:36

Instrument :
MSVOA_X
ClientSampleId :
MW-16B-87.5-030425

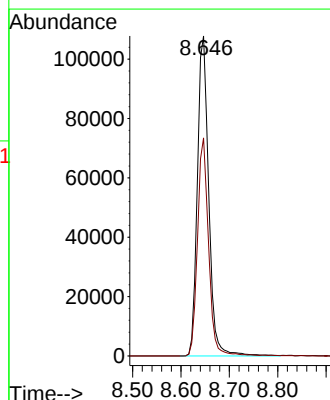
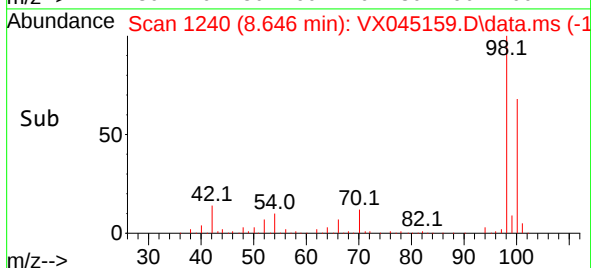
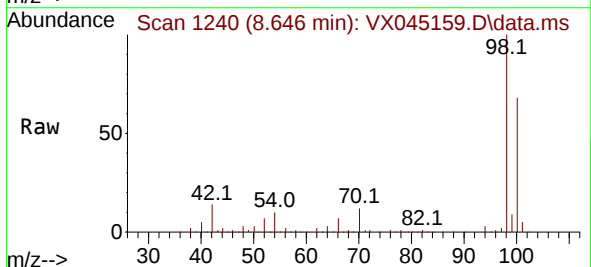


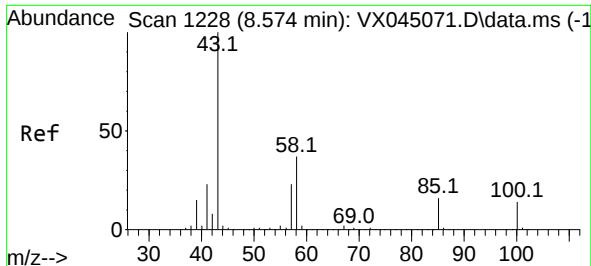
Tgt Ion:117 Resp: 7684
Ion Ratio Lower Upper
117 100
119 4.9 76.7 115.1#
121 0.0 25.5 38.3#



#50
Toluene-d8
Concen: 50.482 ug/l
RT: 8.646 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX045159.D
Acq: 06 Mar 2025 11:36

Tgt Ion: 98 Resp: 175482
Ion Ratio Lower Upper
98 100
100 66.1 52.0 78.0

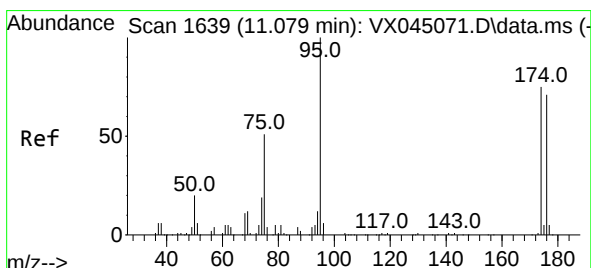
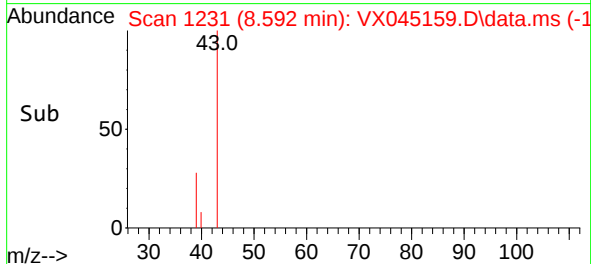
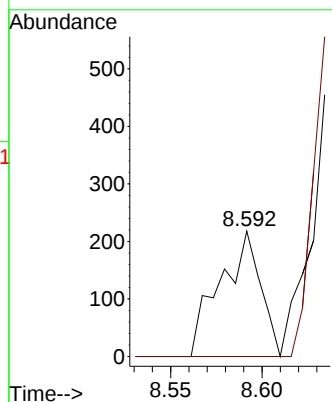
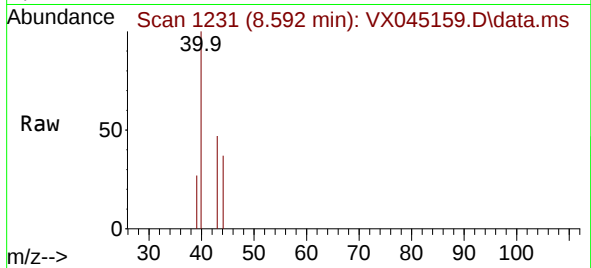




#51
4-Methyl-2-Pentanone
Concen: 0.200 ug/l
RT: 8.592 min Scan# 11
Delta R.T. 0.018 min
Lab File: VX045159.D
Acq: 06 Mar 2025 11:36

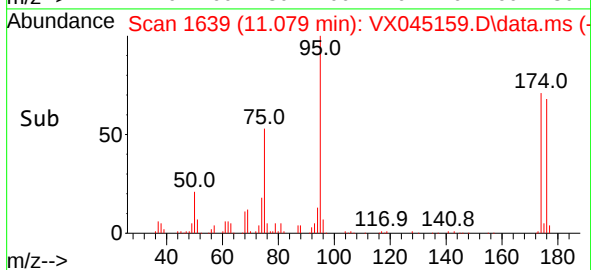
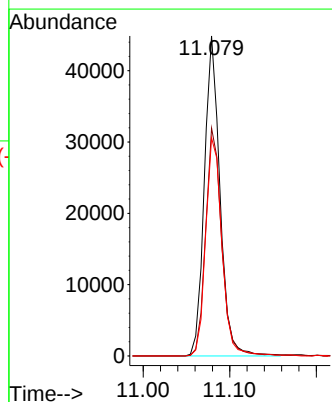
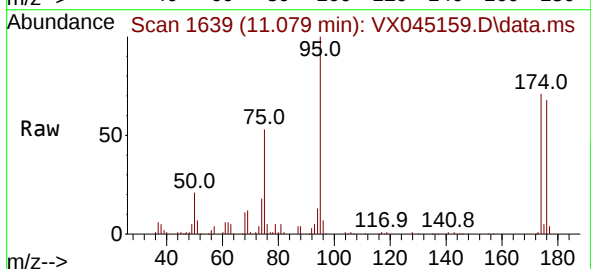
Instrument :
MSVOA_X
ClientSampleId :
MW-16B-87.5-030425

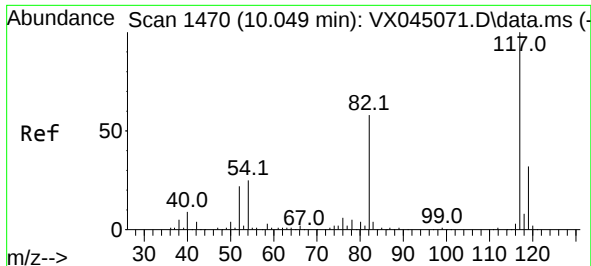
Tgt Ion: 43 Resp: 337
Ion Ratio Lower Upper
43 100
58 0.0 29.2 43.8#



#62
4-Bromofluorobenzene
Concen: 48.829 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX045159.D
Acq: 06 Mar 2025 11:36

Tgt Ion: 95 Resp: 56245
Ion Ratio Lower Upper
95 100
174 73.2 0.0 148.2
176 70.9 0.0 141.4

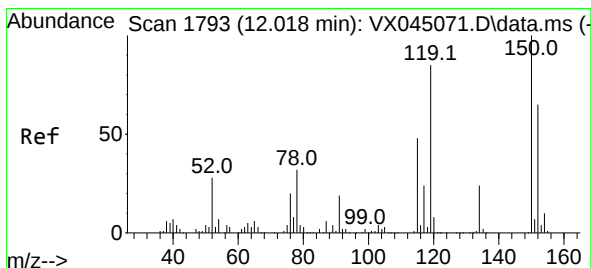
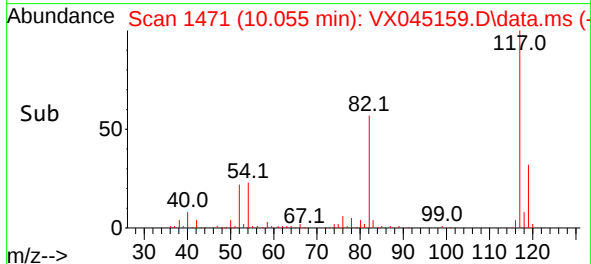
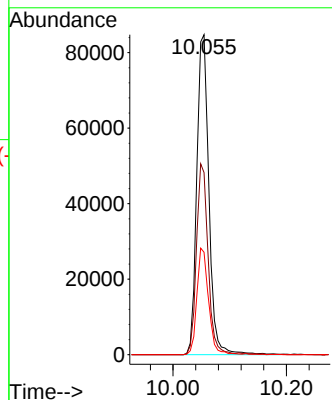
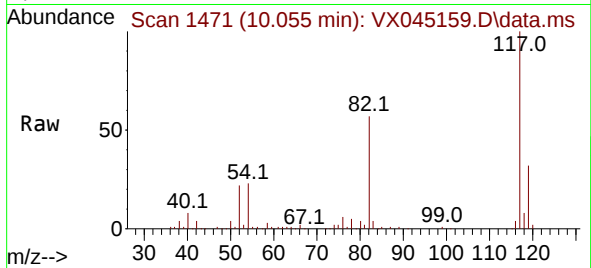




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.006 min
Lab File: VX045159.D
Acq: 06 Mar 2025 11:36

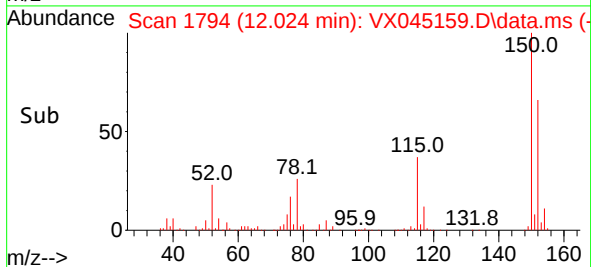
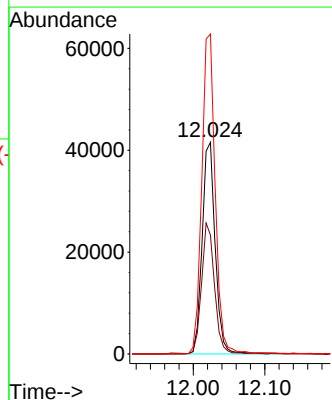
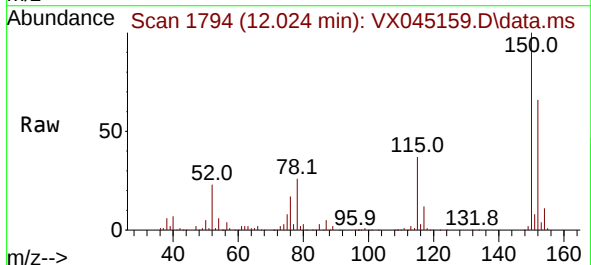
Instrument :
MSVOA_X
ClientSampleId :
MW-16B-87.5-030425

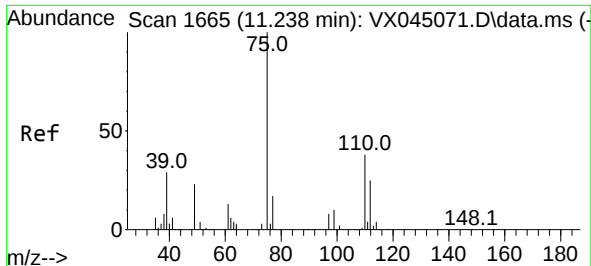
Tgt Ion:117 Resp: 125824
Ion Ratio Lower Upper
117 100
82 56.9 46.3 69.5
119 32.0 25.7 38.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.006 min
Lab File: VX045159.D
Acq: 06 Mar 2025 11:36

Tgt Ion:152 Resp: 52705
Ion Ratio Lower Upper
152 100
115 61.2 44.2 132.6
150 155.1 0.0 349.0

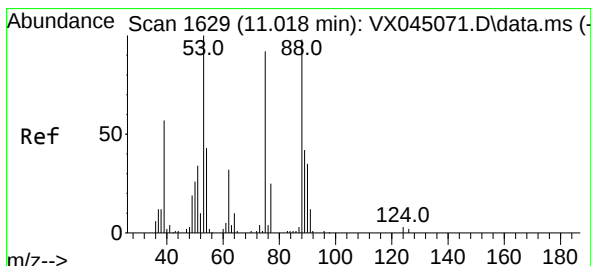
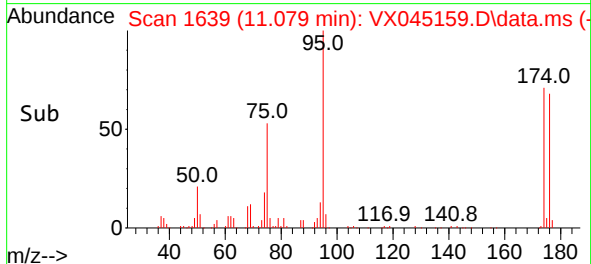
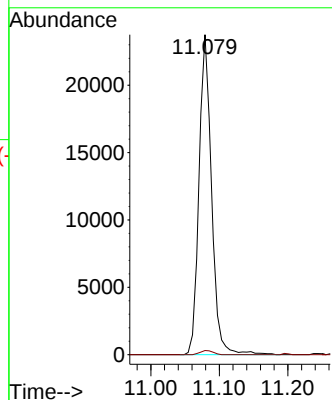
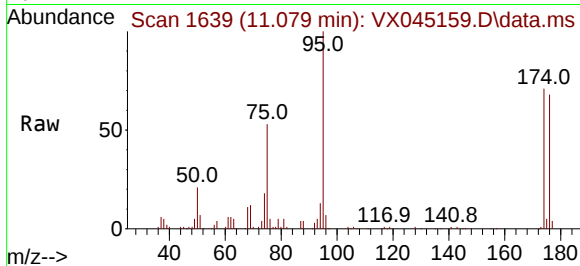




#76
1,2,3-Trichloropropane
Concen: 24.720 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX045159.D
Acq: 06 Mar 2025 11:36

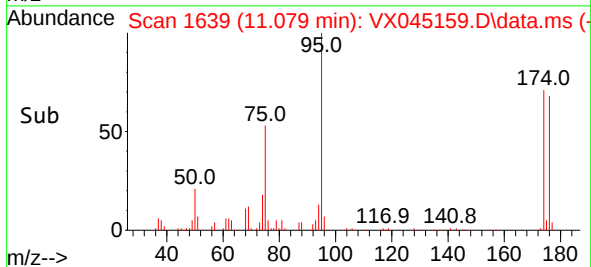
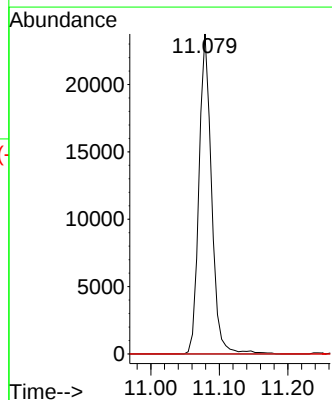
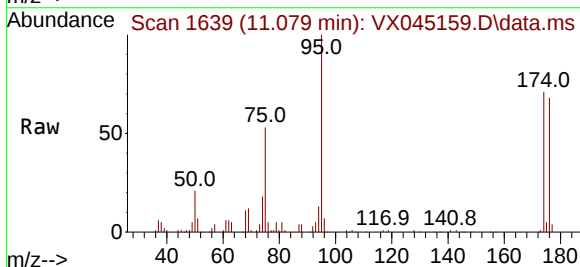
Instrument :
MSVOA_X
ClientSampleId :
MW-16B-87.5-030425

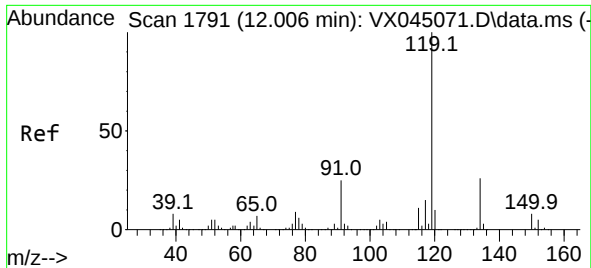
Tgt Ion: 75 Resp: 30324
Ion Ratio Lower Upper
75 100
77 1.3 20.7 62.1#



#81
trans-1,4-Dichloro-2-butene
Concen: 84.595 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX045159.D
Acq: 06 Mar 2025 11:36

Tgt Ion: 75 Resp: 30324
Ion Ratio Lower Upper
75 100
53 0.0 88.5 132.7#
89 0.0 36.2 54.4#

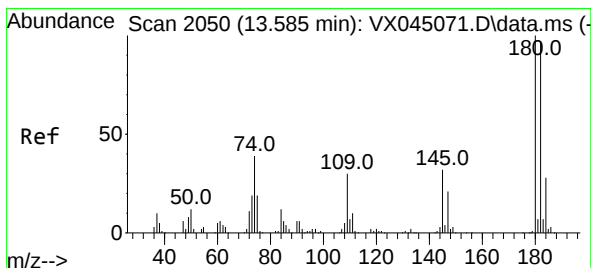
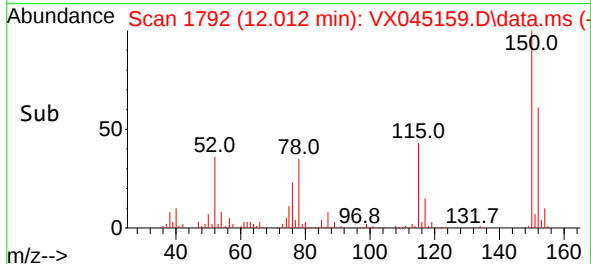
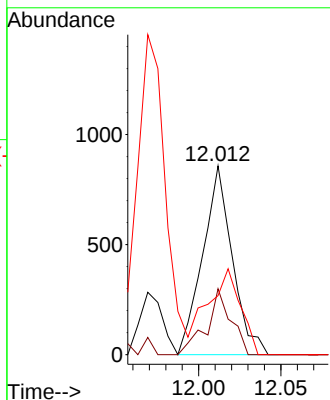
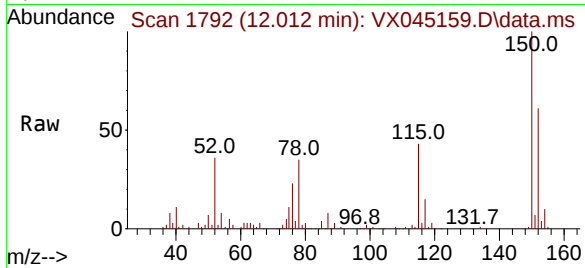




#86
p-Isopropyltoluene
Concen: 0.325 ug/l
RT: 12.012 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX045159.D
Acq: 06 Mar 2025 11:36

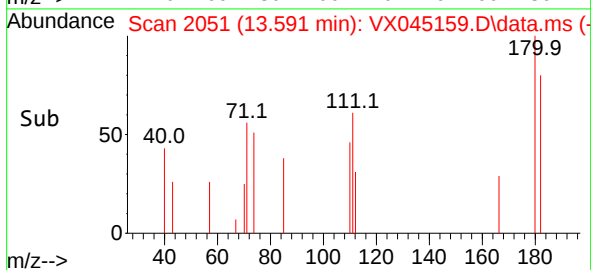
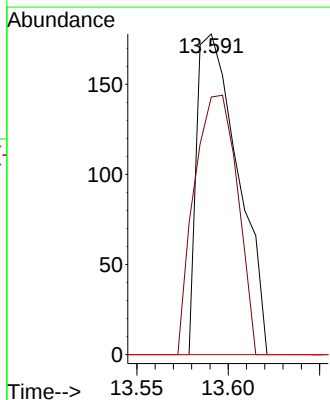
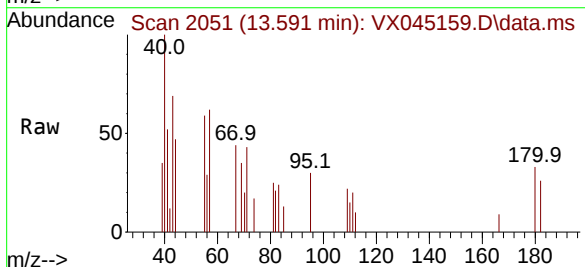
Instrument :
MSVOA_X
ClientSampleId :
MW-16B-87.5-030425

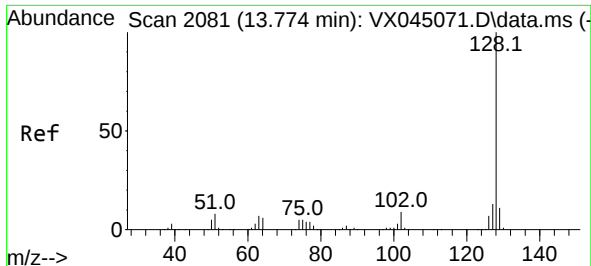
Tgt Ion	Ratio	Lower	Upper
119	100		
134	28.7	12.9	38.6
91	50.7	12.7	38.0



#93
1,2,4-Trichlorobenzene
Concen: 0.283 ug/l
RT: 13.591 min Scan# 2051
Delta R.T. 0.006 min
Lab File: VX045159.D
Acq: 06 Mar 2025 11:36

Tgt Ion	Ratio	Lower	Upper
180	100		
182	84.3	47.3	141.9
145	0.0	16.3	48.9

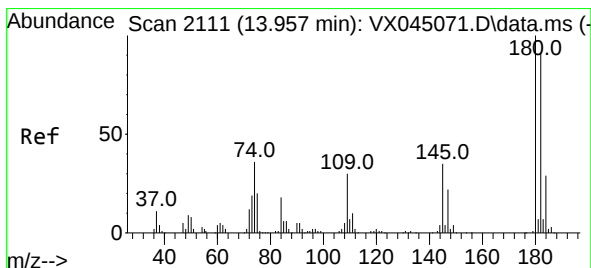
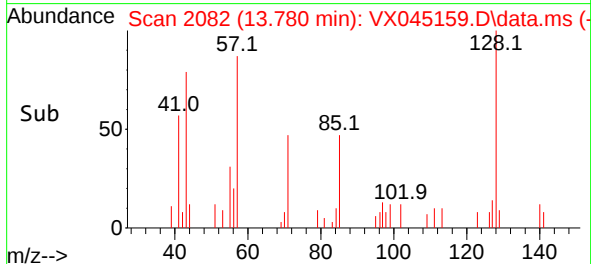
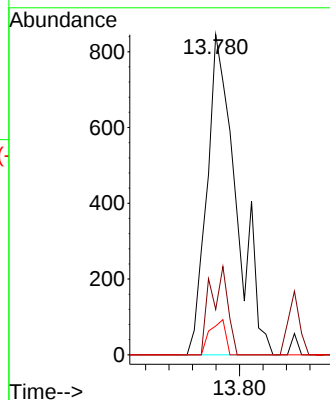
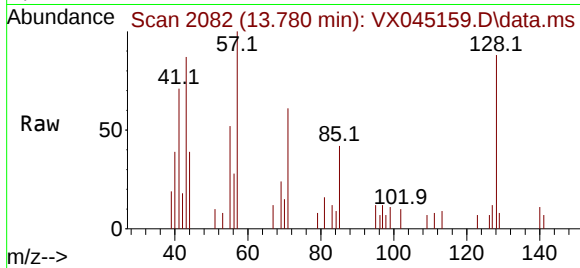




#95
Naphthalene
Concen: 0.387 ug/l
RT: 13.780 min Scan# 2081
Delta R.T. 0.006 min
Lab File: VX045159.D
Acq: 06 Mar 2025 11:36

Instrument :
MSVOA_X
ClientSampleId :
MW-16B-87.5-030425

Tgt Ion:128 Resp: 1470
Ion Ratio Lower Upper
128 100
127 16.1 10.3 15.5#
129 5.8 8.7 13.1#



#96
1,2,3-Trichlorobenzene
Concen: 0.305 ug/l
RT: 13.969 min Scan# 2113
Delta R.T. 0.012 min
Lab File: VX045159.D
Acq: 06 Mar 2025 11:36

Tgt Ion:180 Resp: 318
Ion Ratio Lower Upper
180 100
182 71.1 47.5 142.6
145 26.1 17.0 50.9

