

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX041625\
 Data File : VX045812.D
 Acq On : 16 Apr 2025 16:54
 Operator : JC/MD
 Sample : Q1808-04
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 LAW-25-0060

Quant Time: Apr 17 01:38:12 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)

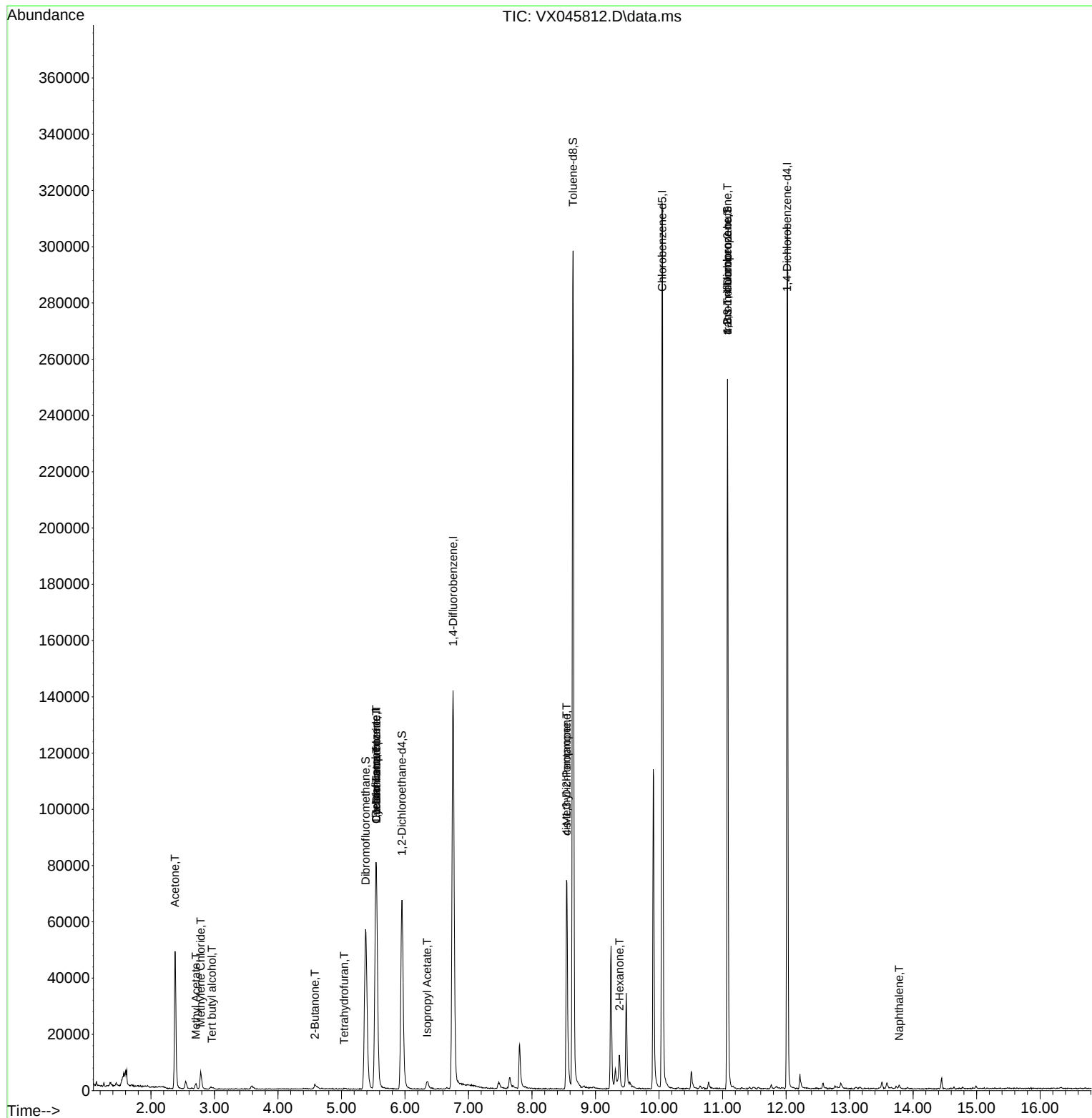
Internal Standards						
1) Pentafluorobenzene	5.544	168	70204	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	135189	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	129888	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	56868	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	68718	53.525	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 107.060%			
35) Dibromofluoromethane	5.379	113	49223	51.318	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 102.640%			
50) Toluene-d8	8.647	98	172070	51.397	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 102.800%			
62) 4-Bromofluorobenzene	11.079	95	65605	53.798	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 107.600%			
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	2.959	59	637	3.692	ug/l #	72
16) Acetone	2.380	43	54063	102.550	ug/l	95
18) Methyl Acetate	2.709	43	2414	1.989	ug/l	93
20) Methylene Chloride	2.782	84	2775	2.812	ug/l #	83
25) 2-Butanone	4.580	43	3769	4.884	ug/l	91
29) Tetrahydrofuran	5.044	42	117	0.234	ug/l #	49
31) Cyclohexane	5.550	56	2068	1.313	ug/l #	15
36) 1,1-Dichloropropene	5.550	75	6973	5.384	ug/l #	50
38) Carbon Tetrachloride	5.550	117	8198	5.857	ug/l #	16
43) Isopropyl Acetate	6.348	43	4575	1.850	ug/l #	93
51) 4-Methyl-2-Pentanone	8.543	43	31296	19.085	ug/l #	48
54) cis-1,3-Dichloropropene	8.543	75	11738	8.256	ug/l #	70
59) 2-Hexanone	9.378	43	9155	7.539	ug/l #	28
76) 1,2,3-Trichloropropane	11.079	75	37834	27.275	ug/l #	37
81) trans-1,4-Dichloro-2-b...	11.079	75	37834	92.567	ug/l #	1
95) Naphthalene	13.780	128	1208	0.306	ug/l #	72

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

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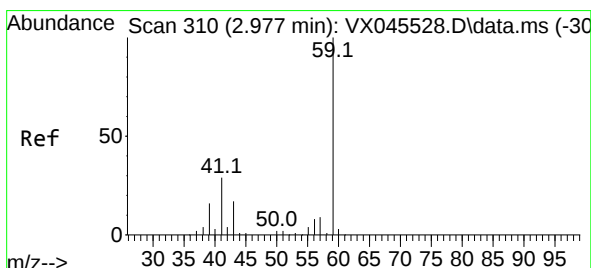
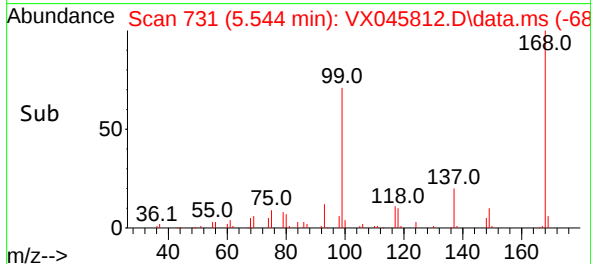
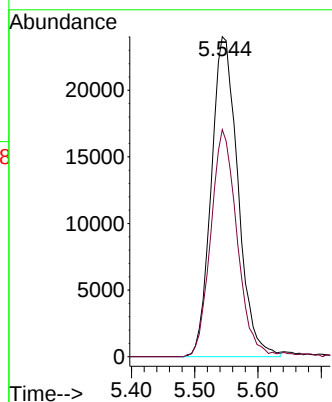
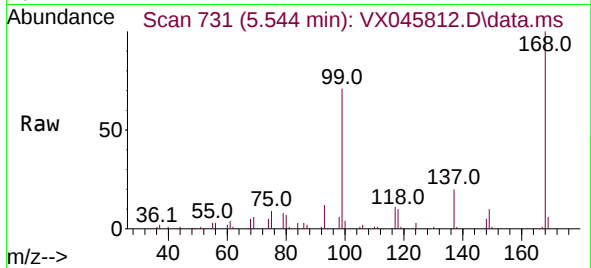




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX045812.D
Acq: 16 Apr 2025 16:54

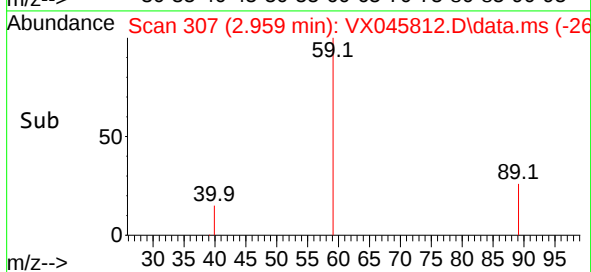
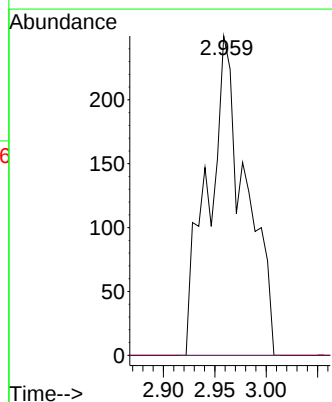
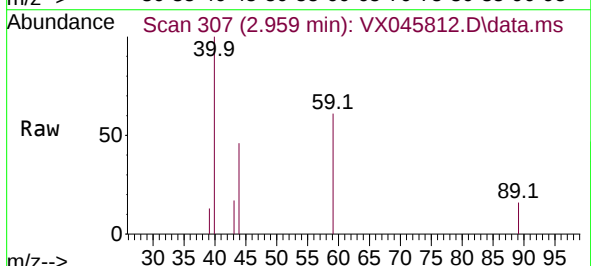
Instrument :
MSVOA_X
ClientSampleId :
LAW-25-0060

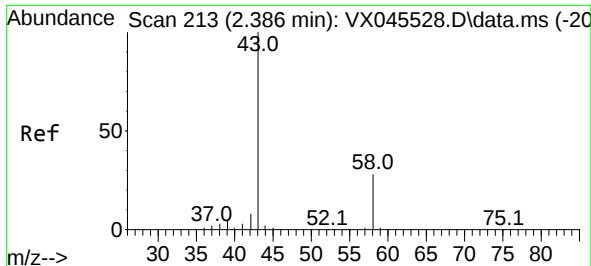
Tgt Ion:168 Resp: 70204
Ion Ratio Lower Upper
168 100
99 71.0 52.3 78.5



#11
Tert butyl alcohol
Concen: 3.692 ug/l
RT: 2.959 min Scan# 307
Delta R.T. -0.018 min
Lab File: VX045812.D
Acq: 16 Apr 2025 16:54

Tgt Ion: 59 Resp: 637
Ion Ratio Lower Upper
59 100
57 0.0 8.6 12.8#

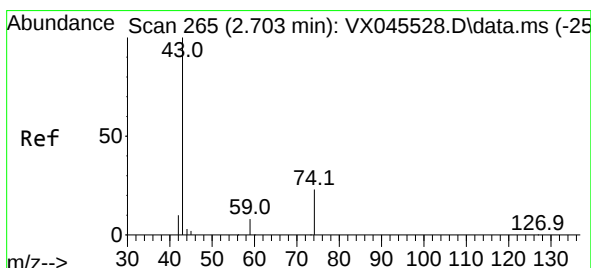
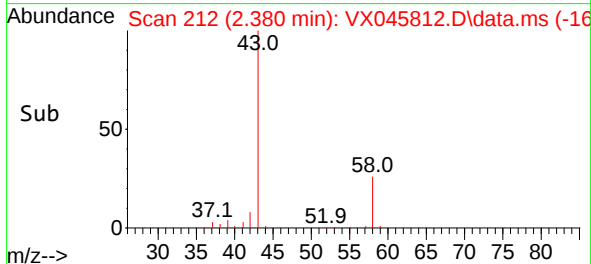
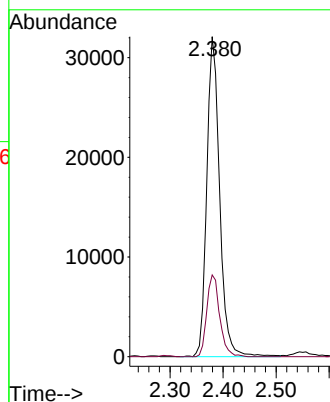
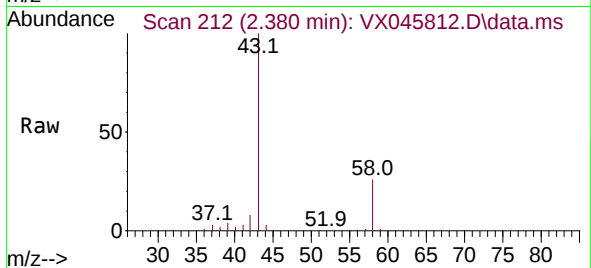




#16
Acetone
Concen: 102.550 ug/l
RT: 2.380 min Scan# 213
Delta R.T. -0.006 min
Lab File: VX045812.D
Acq: 16 Apr 2025 16:54

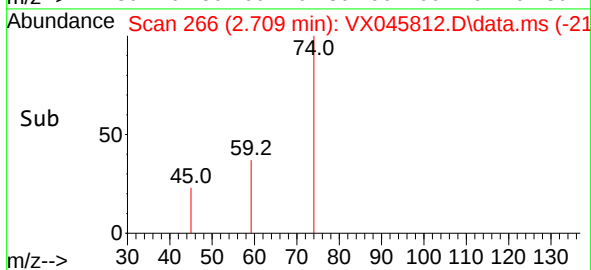
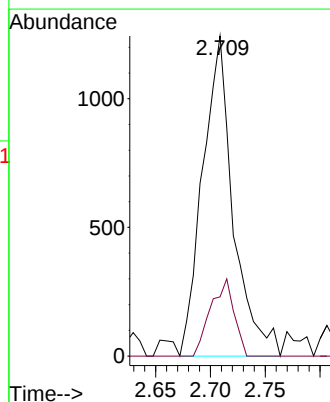
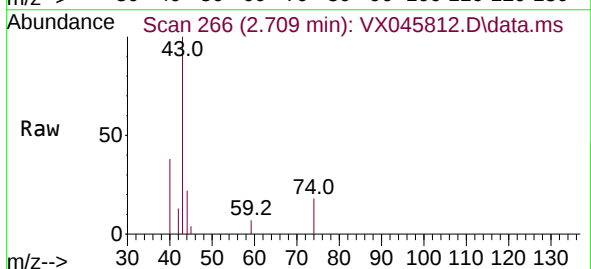
Instrument :
MSVOA_X
ClientSampleId :
LAW-25-0060

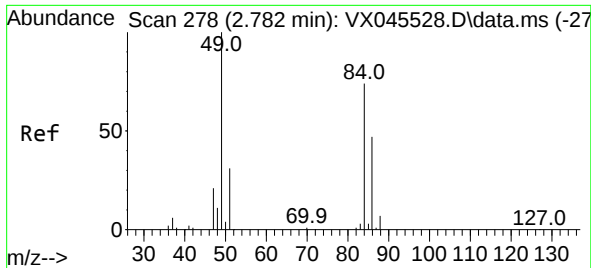
Tgt Ion: 43 Resp: 54063
Ion Ratio Lower Upper
43 100
58 25.5 22.3 33.5



#18
Methyl Acetate
Concen: 1.989 ug/l
RT: 2.709 min Scan# 266
Delta R.T. 0.006 min
Lab File: VX045812.D
Acq: 16 Apr 2025 16:54

Tgt Ion: 43 Resp: 2414
Ion Ratio Lower Upper
43 100
74 18.5 17.5 26.3

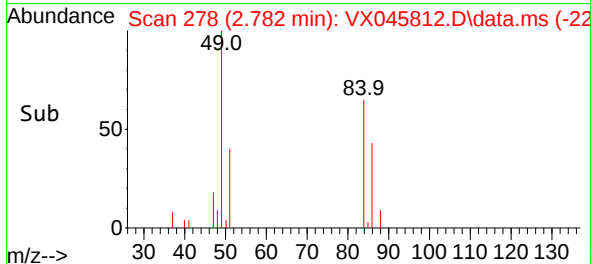
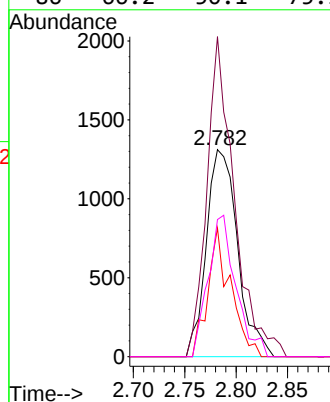
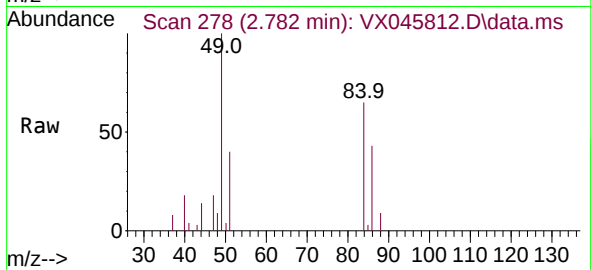




#20
Methylene Chloride
Concen: 2.812 ug/l
RT: 2.782 min Scan# 21
Delta R.T. -0.000 min
Lab File: VX045812.D
Acq: 16 Apr 2025 16:54

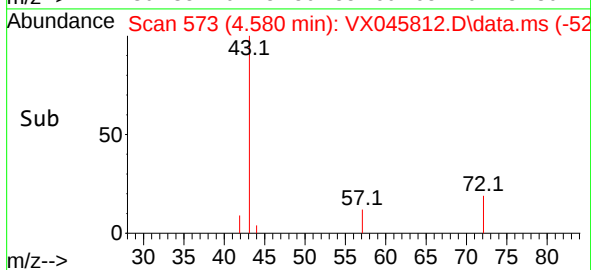
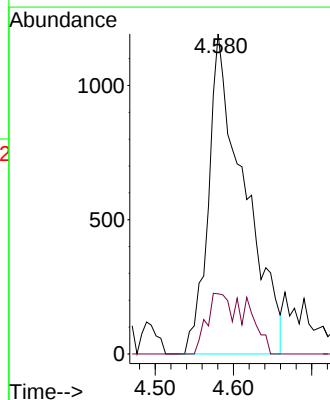
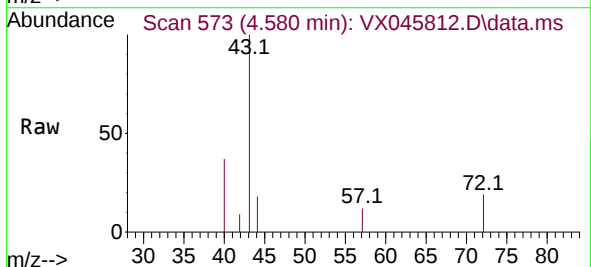
Instrument :
MSVOA_X
ClientSampleId :
LAW-25-0060

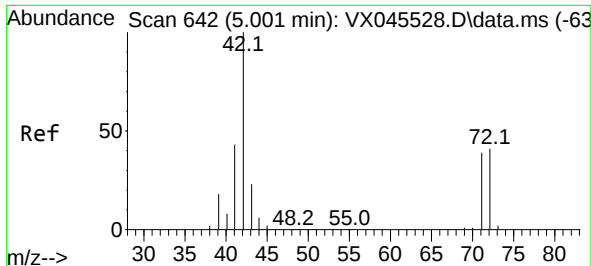
Tgt Ion:	84	Resp:	2775
Ion	Ratio	Lower	Upper
84	100		
49	154.6	107.5	161.3
51	62.2	33.0	49.6#
86	66.2	50.1	75.1



#25
2-Butanone
Concen: 4.884 ug/l
RT: 4.580 min Scan# 573
Delta R.T. 0.024 min
Lab File: VX045812.D
Acq: 16 Apr 2025 16:54

Tgt Ion:	43	Resp:	3769
Ion	Ratio	Lower	Upper
43	100		
72	18.8	18.6	28.0





#29

Tetrahydrofuran

Concen: 0.234 ug/l

RT: 5.044 min Scan# 642

Delta R.T. 0.043 min

Lab File: VX045812.D

Acq: 16 Apr 2025 16:54

Instrument :

MSVOA_X

ClientSampleId :

LAW-25-0060

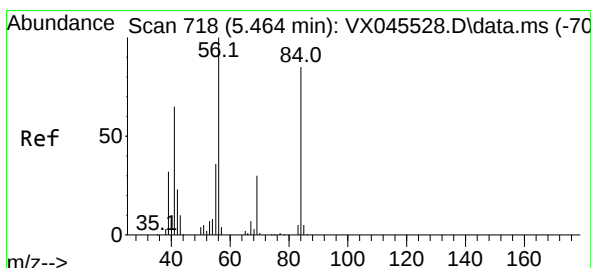
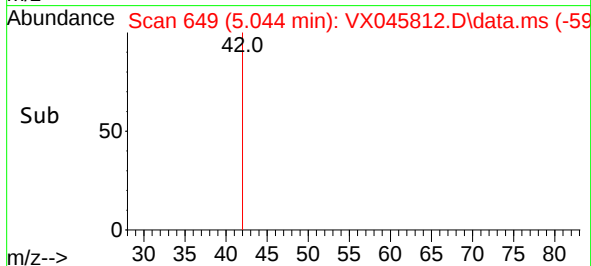
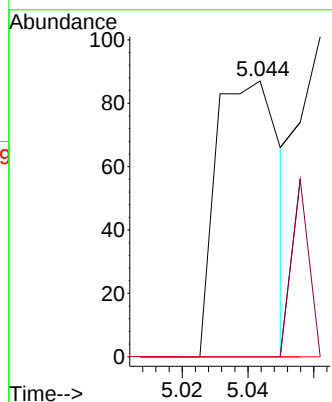
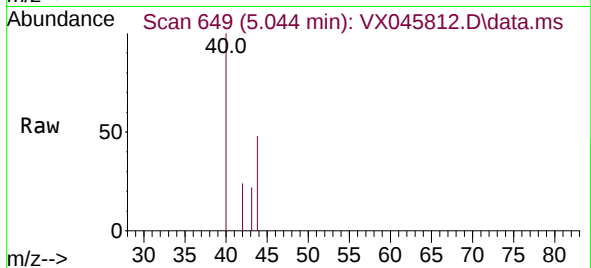
Tgt Ion: 42 Resp: 117

Ion Ratio Lower Upper

42 100

72 17.1 33.4 50.0#

71 0.0 31.4 47.0#



#31

Cyclohexane

Concen: 1.313 ug/l

RT: 5.550 min Scan# 732

Delta R.T. 0.085 min

Lab File: VX045812.D

Acq: 16 Apr 2025 16:54

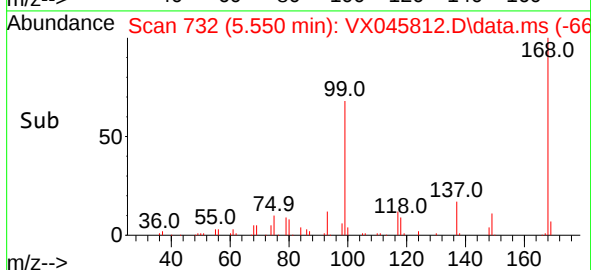
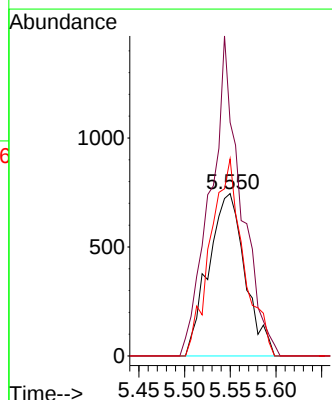
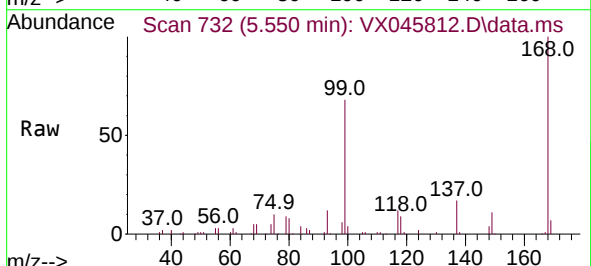
Tgt Ion: 56 Resp: 2068

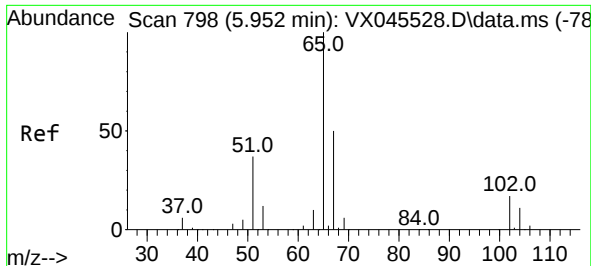
Ion Ratio Lower Upper

56 100

69 143.9 23.6 35.4#

84 121.3 67.7 101.5#





#33

1,2-Dichloroethane-d4

Concen: 53.525 ug/l

RT: 5.952 min Scan# 798

Delta R.T. -0.000 min

Lab File: VX045812.D

Acq: 16 Apr 2025 16:54

Instrument :

MSVOA_X

ClientSampleId :

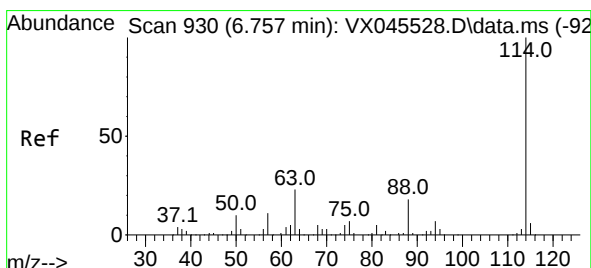
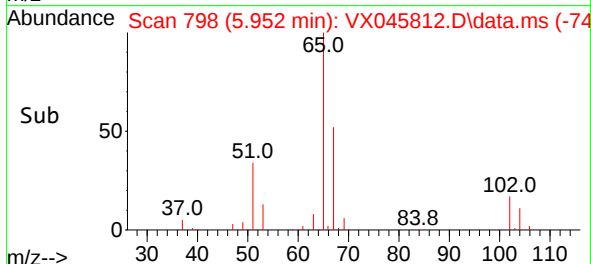
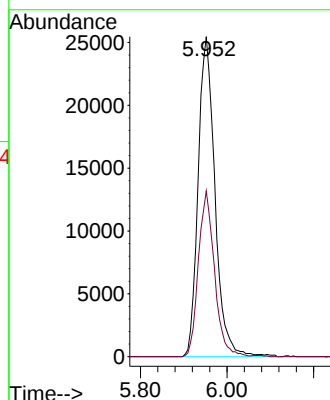
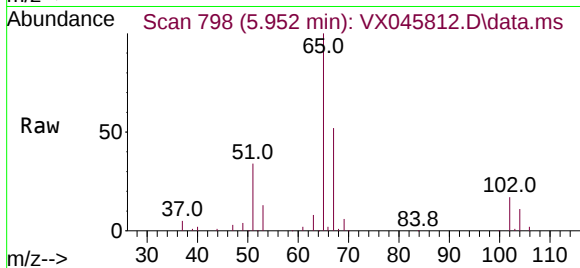
LAW-25-0060

Tgt Ion: 65 Resp: 68718

Ion Ratio Lower Upper

65 100

67 49.5 0.0 99.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.757 min Scan# 930

Delta R.T. -0.000 min

Lab File: VX045812.D

Acq: 16 Apr 2025 16:54

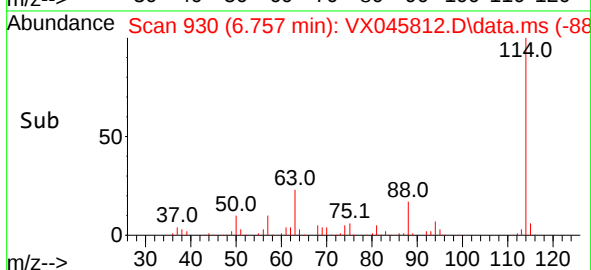
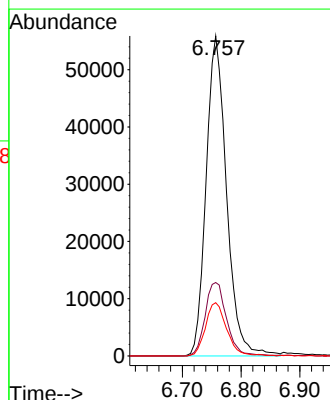
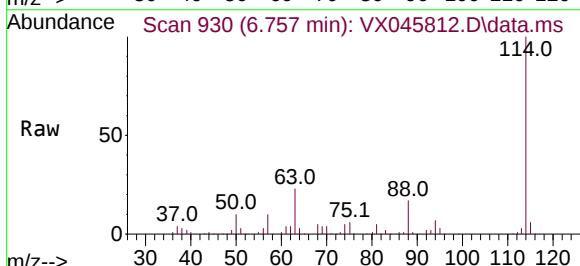
Tgt Ion: 114 Resp: 135189

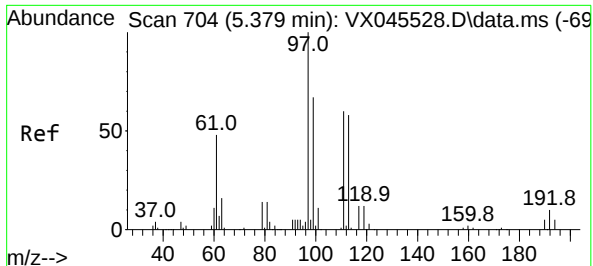
Ion Ratio Lower Upper

114 100

63 23.0 0.0 46.8

88 16.7 0.0 35.4

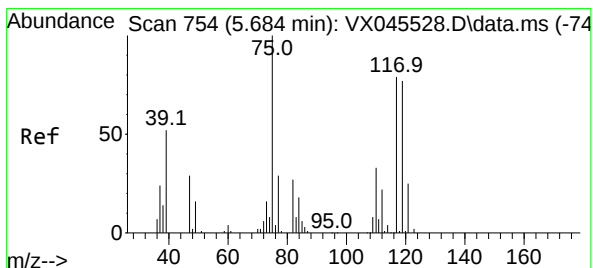
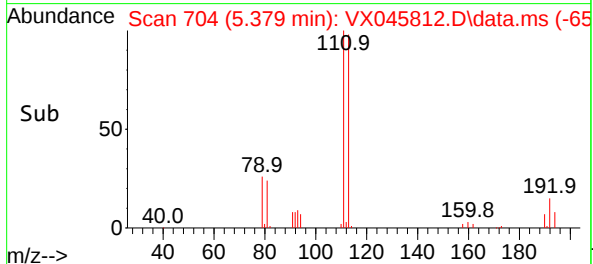
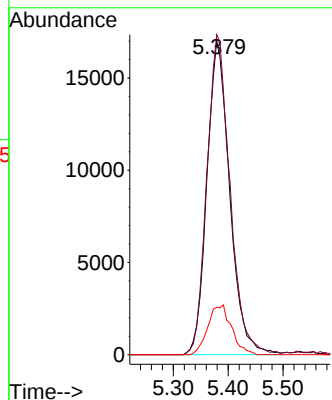
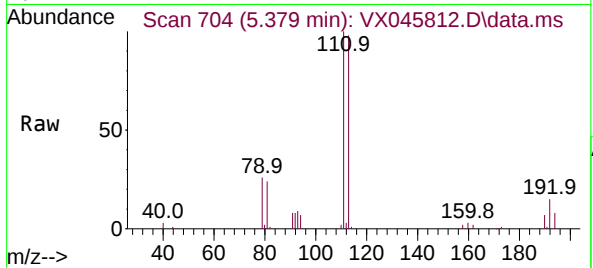




#35
Dibromofluoromethane
Concen: 51.318 ug/l
RT: 5.379 min Scan# 704
Delta R.T. -0.000 min
Lab File: VX045812.D
Acq: 16 Apr 2025 16:54

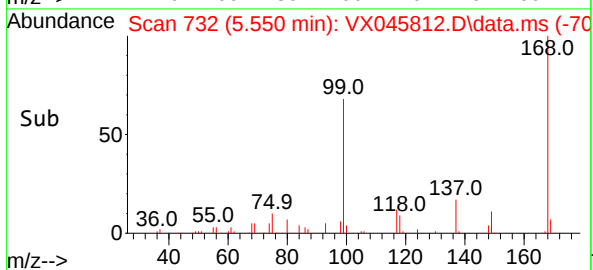
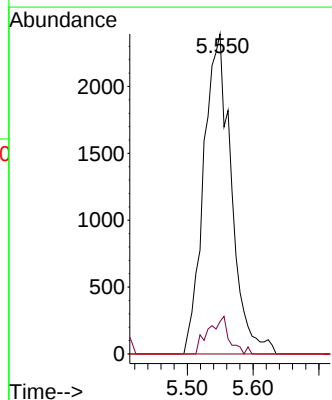
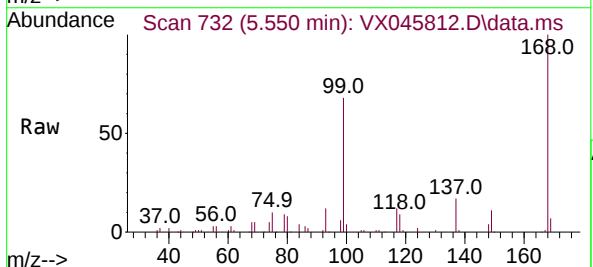
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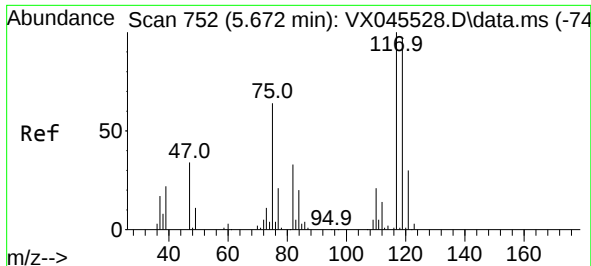
Tgt Ion:113 Resp: 49223
Ion Ratio Lower Upper
113 100
111 103.2 81.8 122.6
192 16.4 13.8 20.6



#36
1,1-Dichloropropene
Concen: 5.384 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.134 min
Lab File: VX045812.D
Acq: 16 Apr 2025 16:54

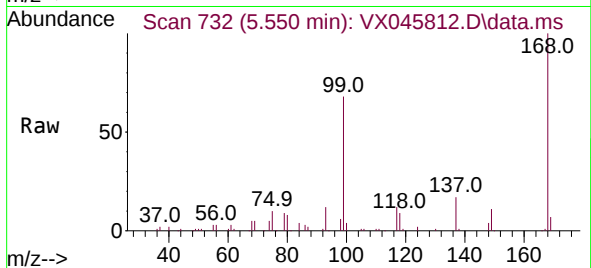
Tgt Ion: 75 Resp: 6973
Ion Ratio Lower Upper
75 100
110 8.9 16.9 50.6#
77 0.0 25.0 37.4#



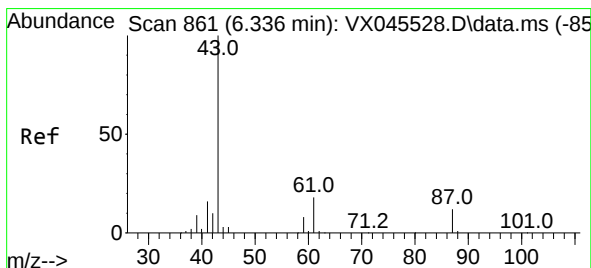
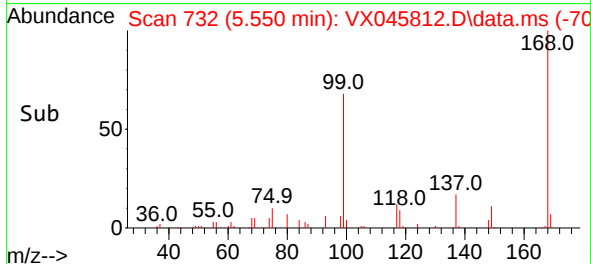
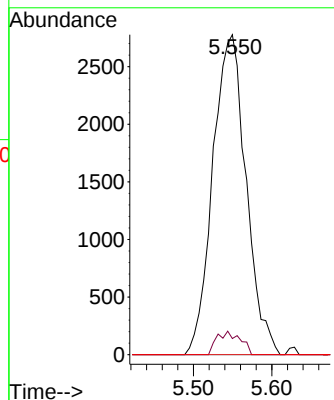


#38
Carbon Tetrachloride
Concen: 5.857 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.122 min
Lab File: VX045812.D
Acq: 16 Apr 2025 16:54

Instrument :
MSVOA_X
ClientSampleId :
LAW-25-0060

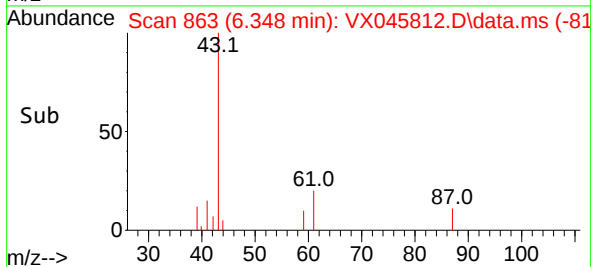
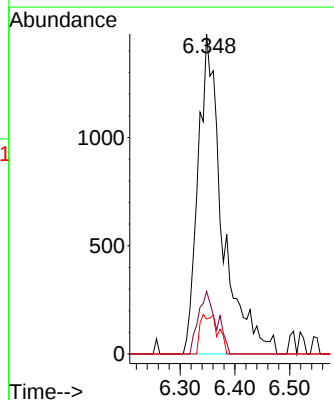
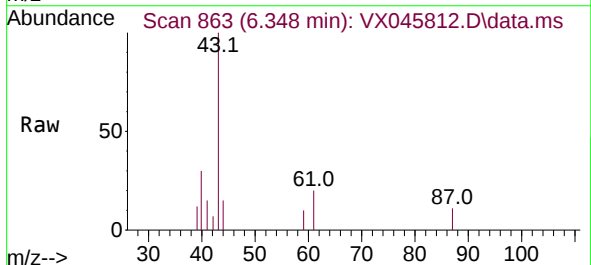


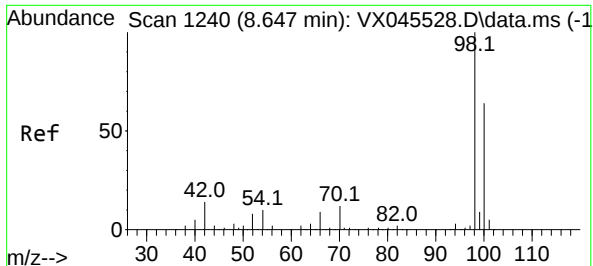
Tgt Ion:117 Resp: 8198
Ion Ratio Lower Upper
117 100
119 5.1 76.9 115.3#
121 0.0 24.2 36.2#



#43
Isopropyl Acetate
Concen: 1.850 ug/l
RT: 6.348 min Scan# 863
Delta R.T. 0.012 min
Lab File: VX045812.D
Acq: 16 Apr 2025 16:54

Tgt Ion: 43 Resp: 4575
Ion Ratio Lower Upper
43 100
61 14.5 14.1 21.1
87 8.9 9.2 13.8#

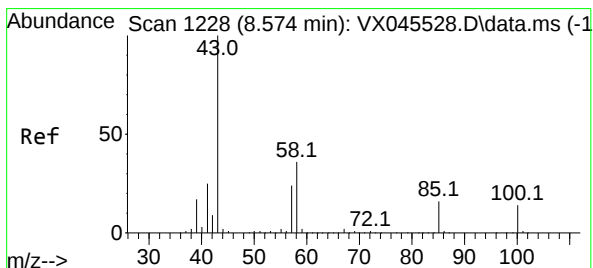
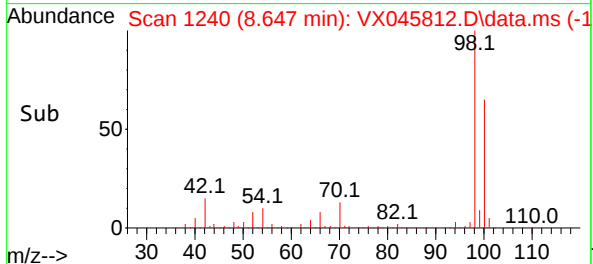
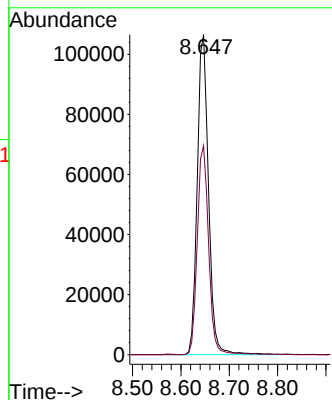
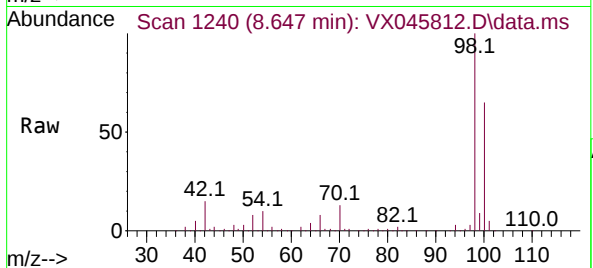




#50
Toluene-d8
Concen: 51.397 ug/l
RT: 8.647 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX045812.D
Acq: 16 Apr 2025 16:54

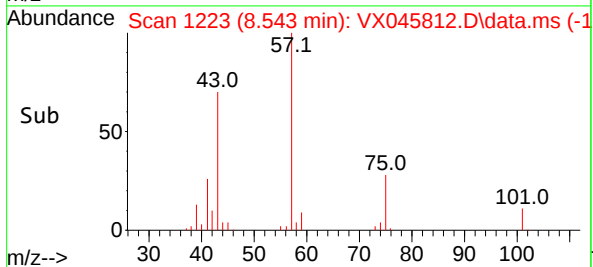
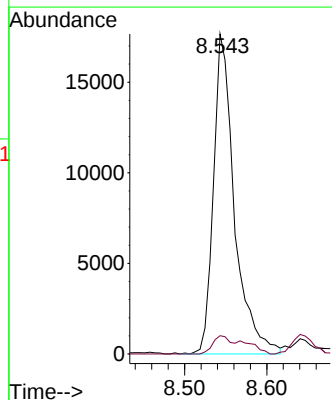
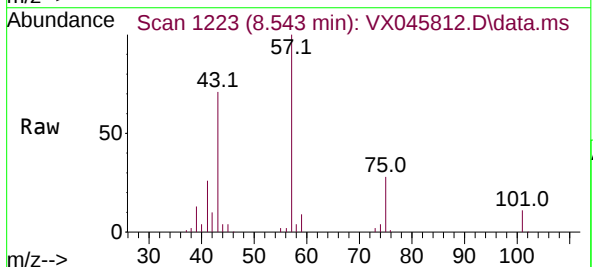
Instrument :
MSVOA_X
ClientSampleId :
LAW-25-0060

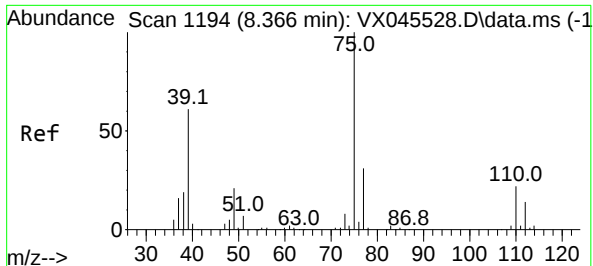
Tgt Ion: 98 Resp: 172070
Ion Ratio Lower Upper
98 100
100 65.5 52.2 78.4



#51
4-Methyl-2-Pentanone
Concen: 19.085 ug/l
RT: 8.543 min Scan# 1223
Delta R.T. -0.031 min
Lab File: VX045812.D
Acq: 16 Apr 2025 16:54

Tgt Ion: 43 Resp: 31296
Ion Ratio Lower Upper
43 100
58 5.2 28.5 42.7#

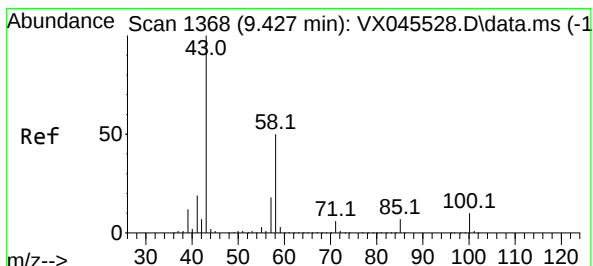
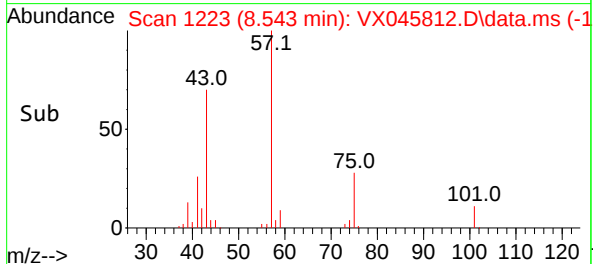
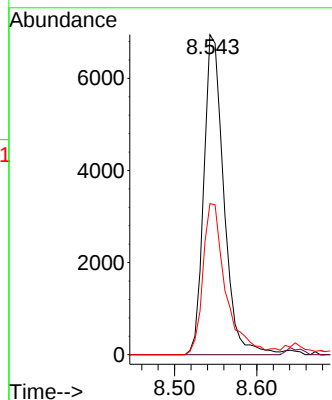
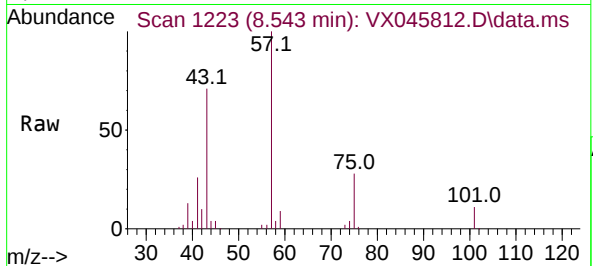




#54
 cis-1,3-Dichloropropene
 Concen: 8.256 ug/l
 RT: 8.543 min Scan# 11738
 Delta R.T. 0.177 min
 Lab File: VX045812.D
 Acq: 16 Apr 2025 16:54

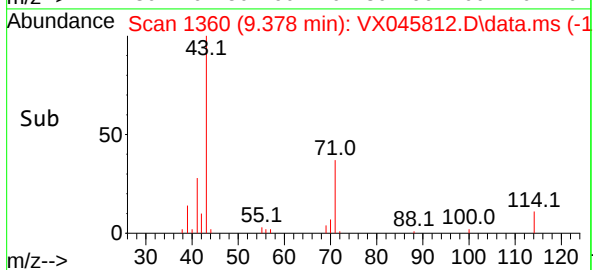
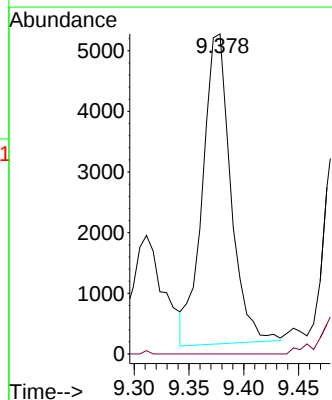
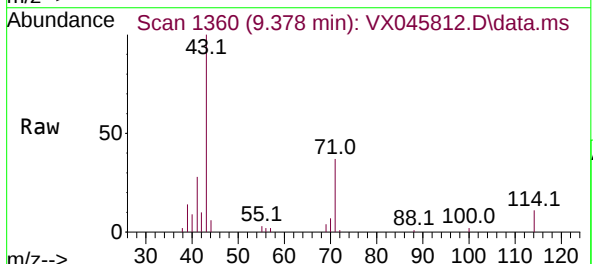
Instrument :
 MSVOA_X
 ClientSampleId :
 LAW-25-0060

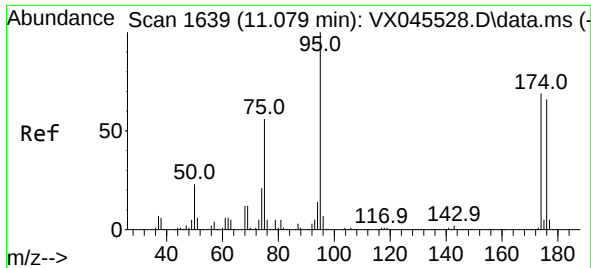
Tgt Ion: 75 Resp: 11738
 Ion Ratio Lower Upper
 75 100
 77 0.0 24.6 36.8#
 39 47.2 48.4 72.6#



#59
 2-Hexanone
 Concen: 7.539 ug/l
 RT: 9.378 min Scan# 1360
 Delta R.T. -0.049 min
 Lab File: VX045812.D
 Acq: 16 Apr 2025 16:54

Tgt Ion: 43 Resp: 9155
 Ion Ratio Lower Upper
 43 100
 58 0.0 24.9 74.6#

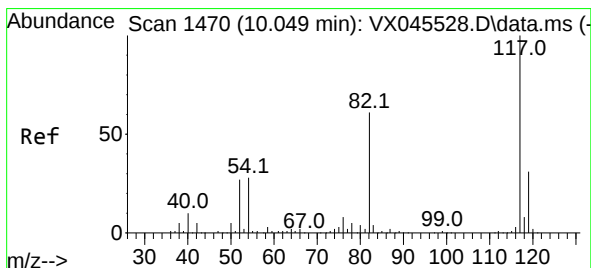
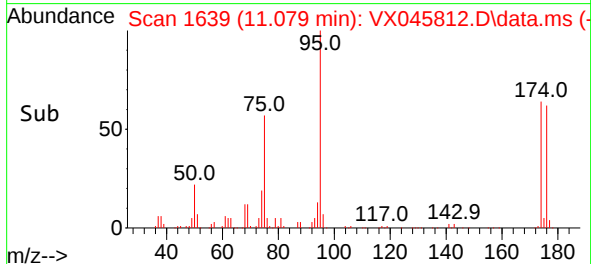
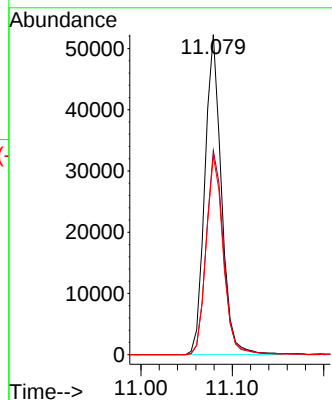
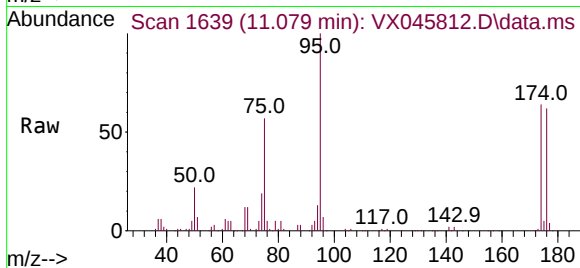




#62
4-Bromofluorobenzene
Concen: 53.798 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX045812.D
Acq: 16 Apr 2025 16:54

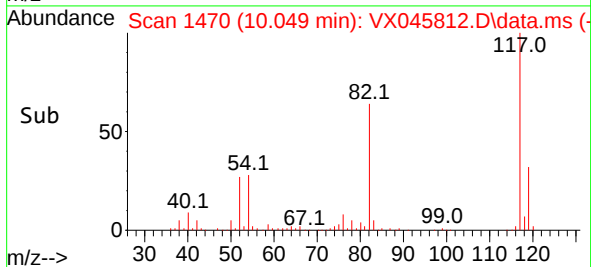
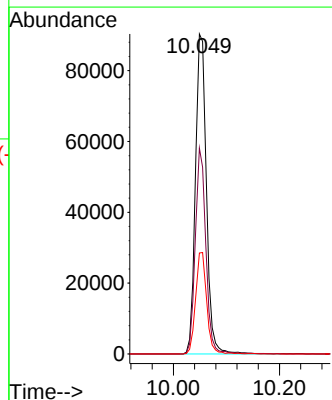
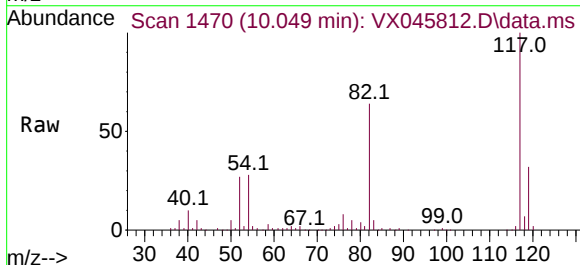
Instrument :
MSVOA_X
ClientSampleId :
LAW-25-0060

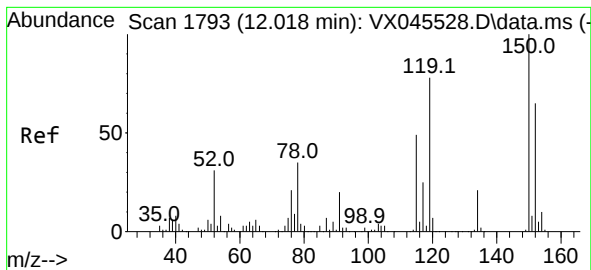
Tgt Ion: 95 Resp: 65605
Ion Ratio Lower Upper
95 100
174 66.4 0.0 135.8
176 64.4 0.0 131.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 1470
Delta R.T. -0.000 min
Lab File: VX045812.D
Acq: 16 Apr 2025 16:54

Tgt Ion: 117 Resp: 129888
Ion Ratio Lower Upper
117 100
82 64.3 49.2 73.8
119 31.5 25.1 37.7

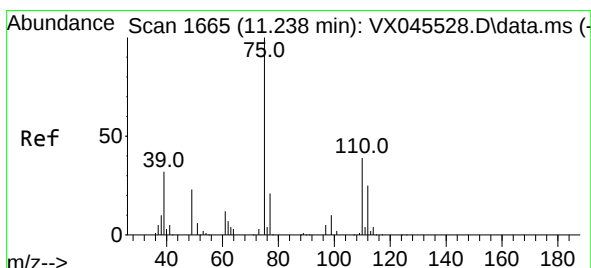
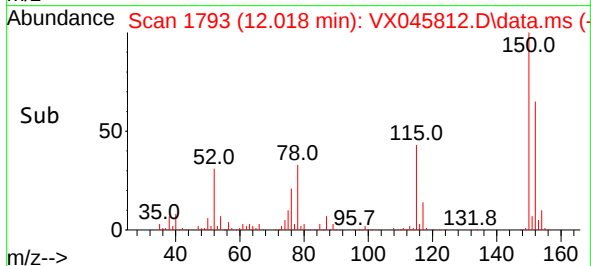
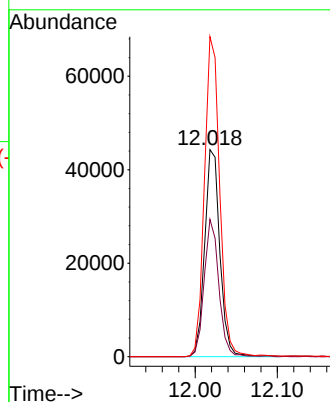
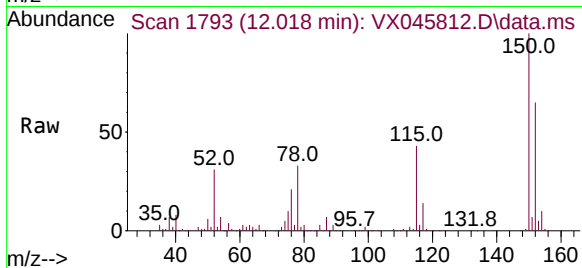




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.018 min Scan# 11
 Delta R.T. -0.000 min
 Lab File: VX045812.D
 Acq: 16 Apr 2025 16:54

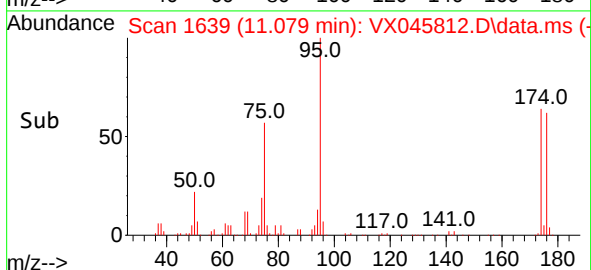
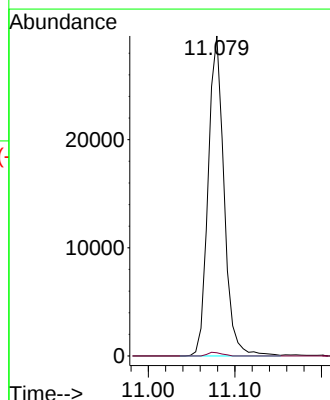
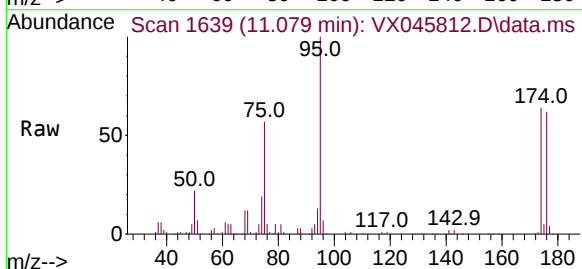
Instrument :
 MSVOA_X
 ClientSampleId :
 LAW-25-0060

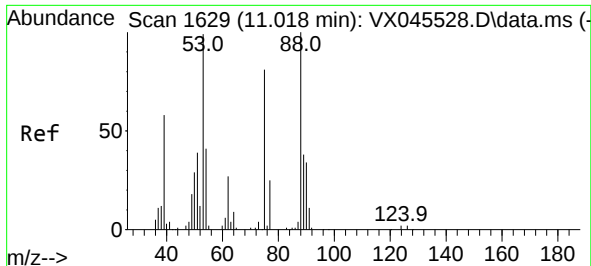
Tgt Ion:152 Resp: 56868
 Ion Ratio Lower Upper
 152 100
 115 63.9 46.9 140.7
 150 154.2 0.0 349.4



#76
 1,2,3-Trichloropropane
 Concen: 27.275 ug/l
 RT: 11.079 min Scan# 1639
 Delta R.T. -0.159 min
 Lab File: VX045812.D
 Acq: 16 Apr 2025 16:54

Tgt Ion: 75 Resp: 37834
 Ion Ratio Lower Upper
 75 100
 77 1.0 20.0 59.9#

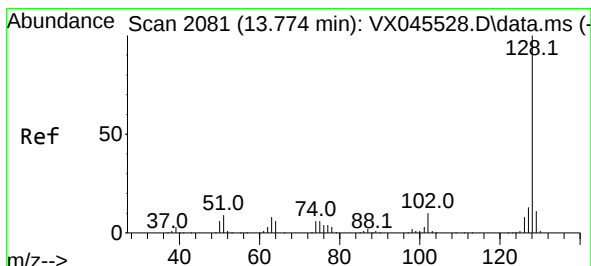
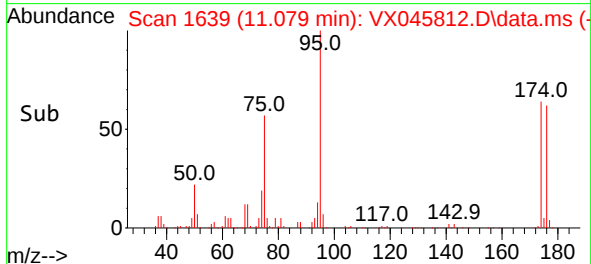
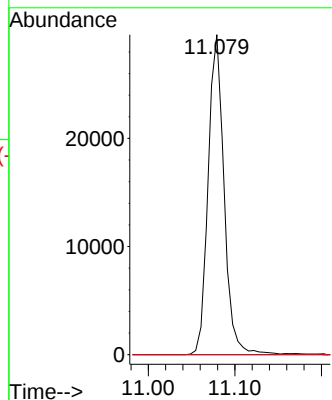
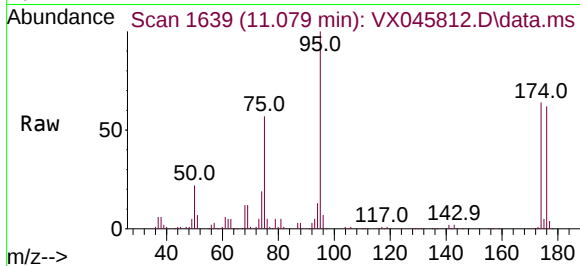




#81
trans-1,4-Dichloro-2-butene
Concen: 92.567 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX045812.D
Acq: 16 Apr 2025 16:54

Instrument :
MSVOA_X
ClientSampleId :
LAW-25-0060

Tgt Ion: 75 Resp: 37834
Ion Ratio Lower Upper
75 100
53 0.0 101.8 152.6#
89 0.0 37.2 55.8#



#95
Naphthalene
Concen: 0.306 ug/l
RT: 13.780 min Scan# 2082
Delta R.T. 0.006 min
Lab File: VX045812.D
Acq: 16 Apr 2025 16:54

Tgt Ion:128 Resp: 1208
Ion Ratio Lower Upper
128 100
127 0.0 10.3 15.5#
129 2.1 8.6 12.8#

