

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX041425\
 Data File : VX045775.D
 Acq On : 14 Apr 2025 17:54
 Operator : JC/MD
 Sample : Q1781-12
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 WC-11

Quant Time: Apr 15 01:30:38 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	70031	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	136080	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	131577	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	54629	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	70575	55.107	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	110.220%
35) Dibromofluoromethane	5.379	113	49949	51.734	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	103.460%
50) Toluene-d8	8.647	98	176330	52.324	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	104.640%
62) 4-Bromofluorobenzene	11.079	95	65990	53.760	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	107.520%

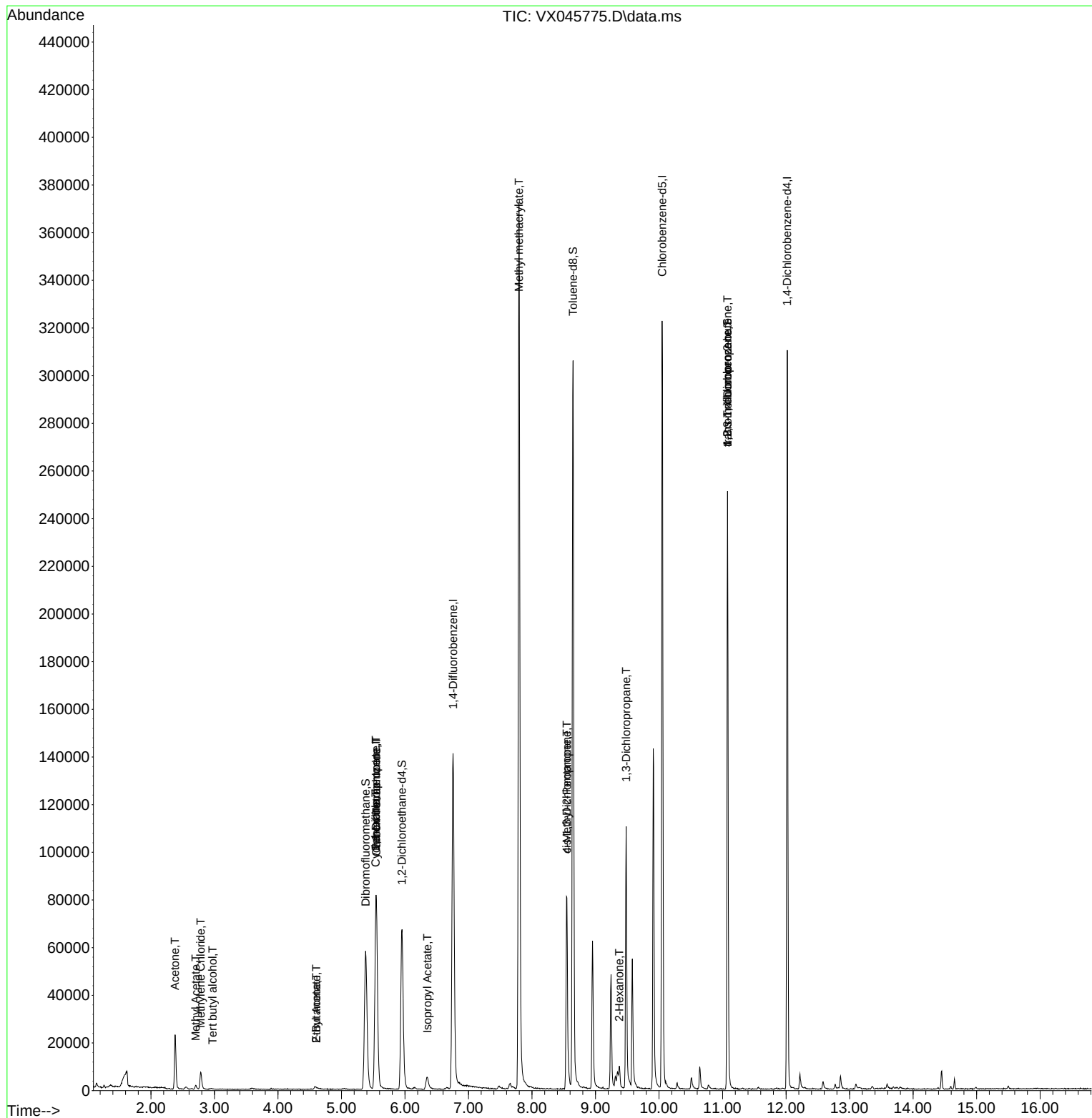
Target Compounds					Qvalue	
11) Tert butyl alcohol	2.971	59	303	1.760	ug/l #	72
16) Acetone	2.380	43	25150	47.824	ug/l	97
18) Methyl Acetate	2.703	43	2171	1.793	ug/l #	85
20) Methylene Chloride	2.782	84	3484	3.539	ug/l	92
25) 2-Butanone	4.605	43	2612	3.393	ug/l	100
31) Cyclohexane	5.537	56	1887	1.201	ug/l #	31
36) 1,1-Dichloropropene	5.544	75	6975	5.351	ug/l #	49
37) Ethyl Acetate	4.605	43	2612	1.590	ug/l #	71
38) Carbon Tetrachloride	5.550	117	8584	6.093	ug/l #	15
43) Isopropyl Acetate	6.354	43	8475	3.404	ug/l #	94
48) Methyl methacrylate	7.793	41	37134	28.885	ug/l #	50
51) 4-Methyl-2-Pentanone	8.549	43	34121	20.672	ug/l #	52
54) cis-1,3-Dichloropropene	8.549	75	12566	8.781	ug/l #	68
57) 1,3-Dichloropropane	9.482	76	854	0.511	ug/l #	42
59) 2-Hexanone	9.372	43	9129	7.469	ug/l #	28
76) 1,2,3-Trichloropropane	11.079	75	38311	28.751	ug/l #	37
81) trans-1,4-Dichloro-2-b...	11.079	75	38311	97.576	ug/l #	1

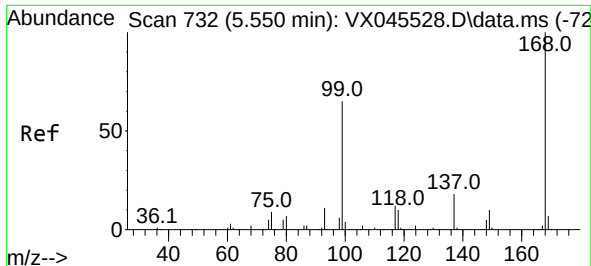
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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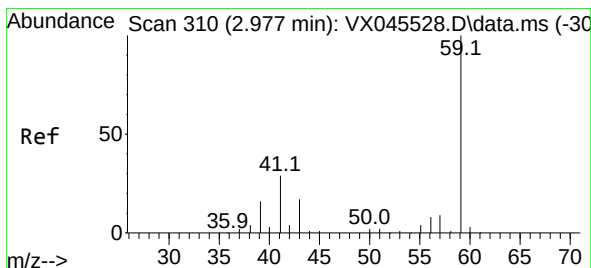
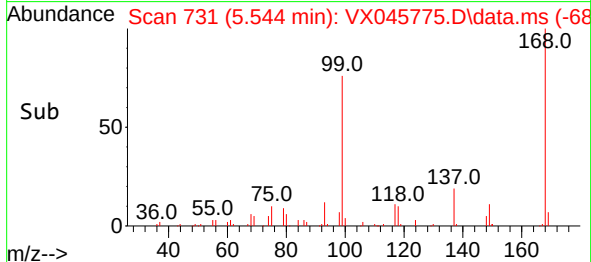
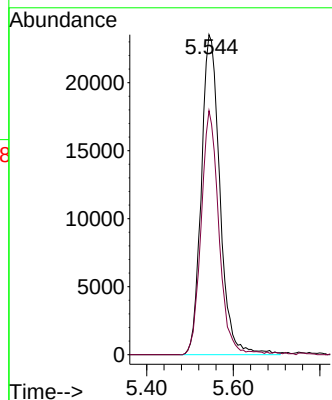
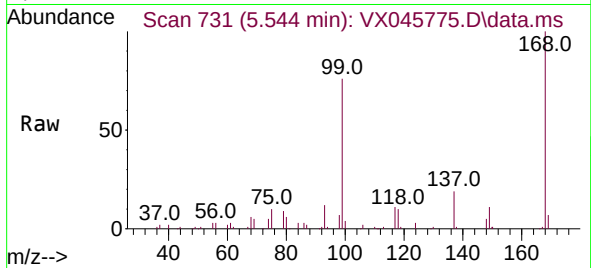




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX045775.D
Acq: 14 Apr 2025 17:54

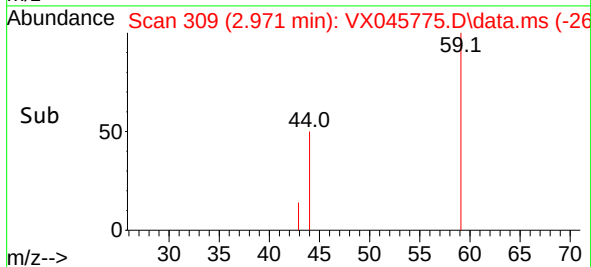
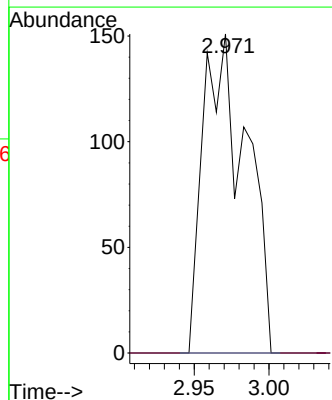
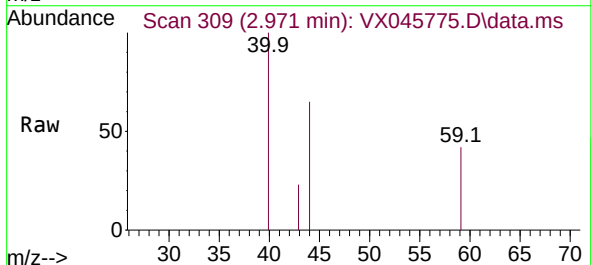
Instrument :
MSVOA_X
ClientSampleId :
WC-11

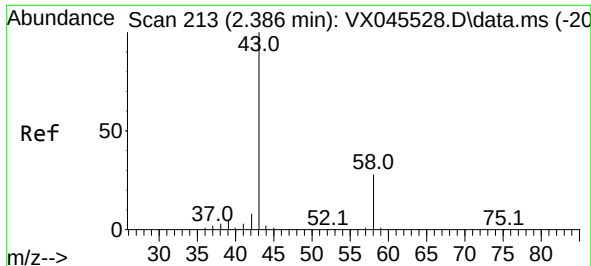
Tgt Ion:168 Resp: 70031
Ion Ratio Lower Upper
168 100
99 76.3 52.3 78.5



#11
Tert butyl alcohol
Concen: 1.760 ug/l
RT: 2.971 min Scan# 309
Delta R.T. -0.006 min
Lab File: VX045775.D
Acq: 14 Apr 2025 17:54

Tgt Ion: 59 Resp: 303
Ion Ratio Lower Upper
59 100
57 0.0 8.6 12.8#

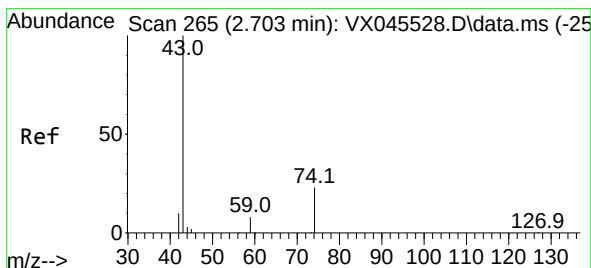
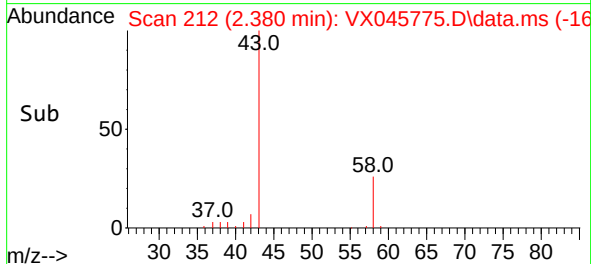
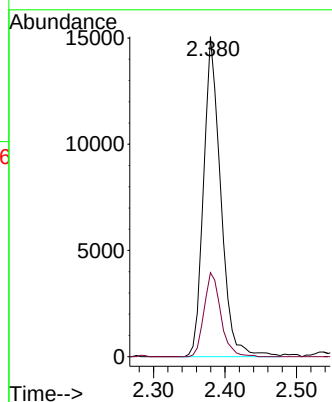
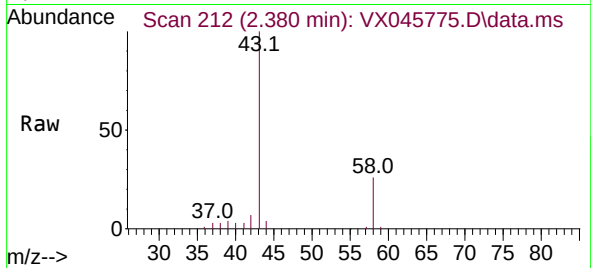




#16
Acetone
Concen: 47.824 ug/l
RT: 2.380 min Scan# 213
Delta R.T. -0.006 min
Lab File: VX045775.D
Acq: 14 Apr 2025 17:54

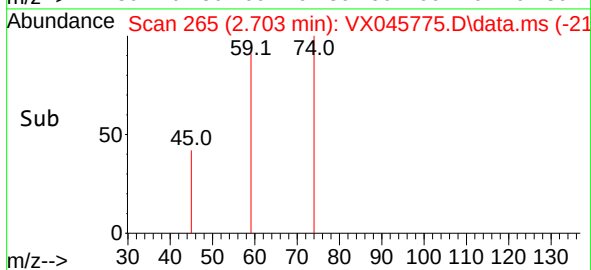
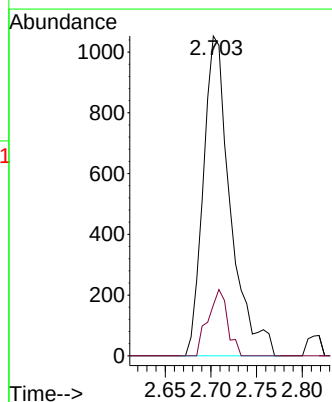
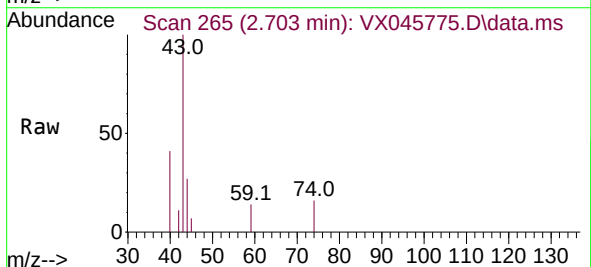
Instrument :
MSVOA_X
ClientSampleId :
WC-11

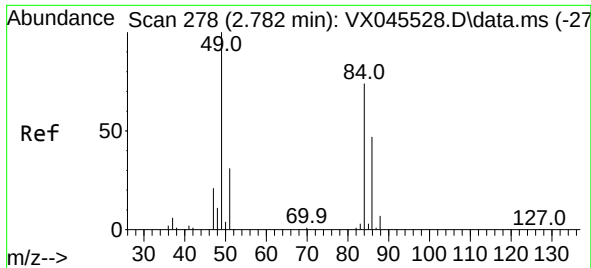
Tgt Ion: 43 Resp: 25150
Ion Ratio Lower Upper
43 100
58 26.2 22.3 33.5



#18
Methyl Acetate
Concen: 1.793 ug/l
RT: 2.703 min Scan# 265
Delta R.T. -0.000 min
Lab File: VX045775.D
Acq: 14 Apr 2025 17:54

Tgt Ion: 43 Resp: 2171
Ion Ratio Lower Upper
43 100
74 14.9 17.5 26.3#

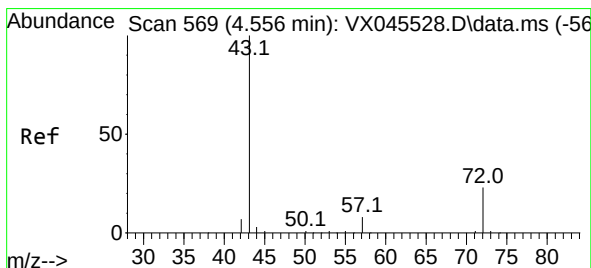
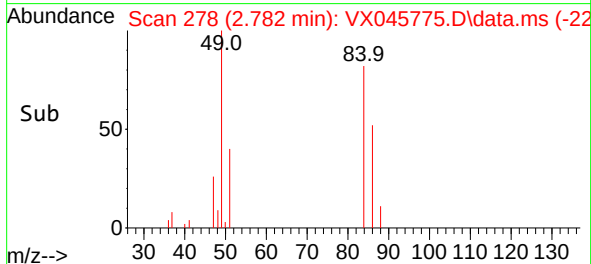
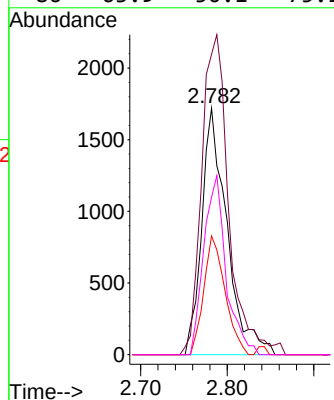
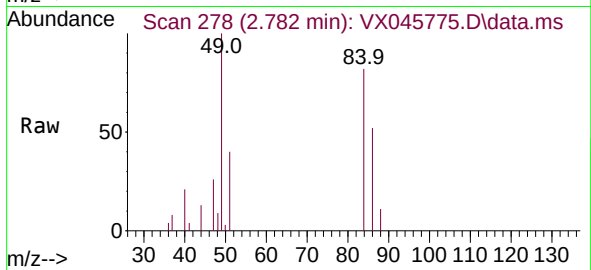




#20
Methylene Chloride
Concen: 3.539 ug/l
RT: 2.782 min Scan# 21
Delta R.T. -0.000 min
Lab File: VX045775.D
Acq: 14 Apr 2025 17:54

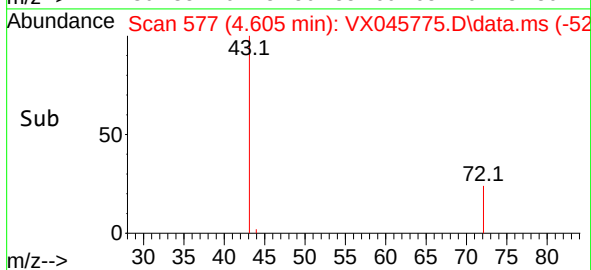
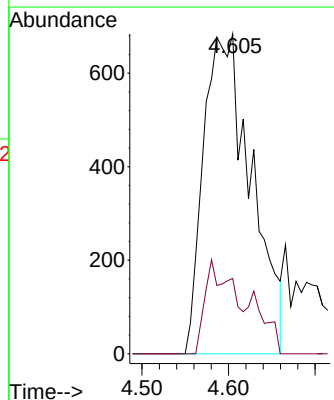
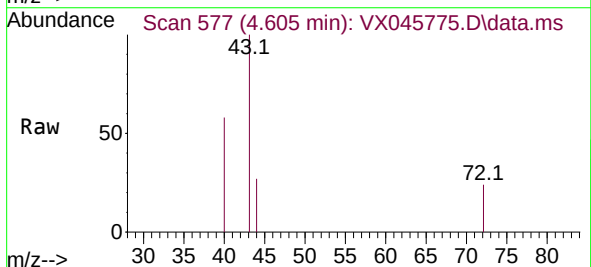
Instrument :
MSVOA_X
ClientSampleId :
WC-11

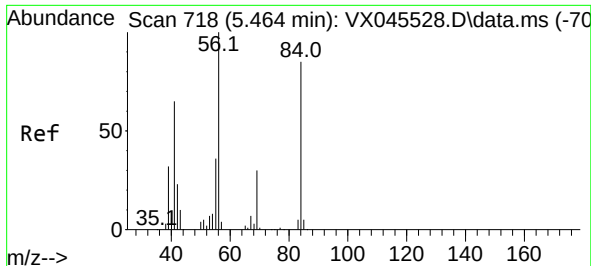
Tgt Ion:	84	Resp:	3484
Ion	Ratio	Lower	Upper
84	100		
49	121.8	107.5	161.3
51	48.1	33.0	49.6
86	63.9	50.1	75.1



#25
2-Butanone
Concen: 3.393 ug/l
RT: 4.605 min Scan# 577
Delta R.T. 0.049 min
Lab File: VX045775.D
Acq: 14 Apr 2025 17:54

Tgt Ion:	43	Resp:	2612
Ion	Ratio	Lower	Upper
43	100		
72	23.5	18.6	28.0

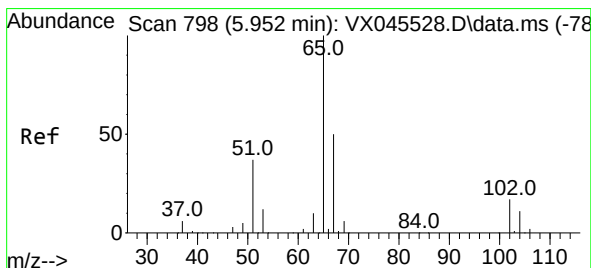
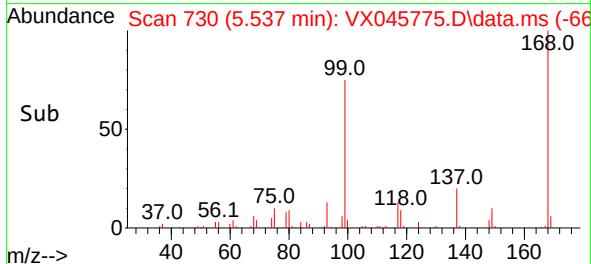
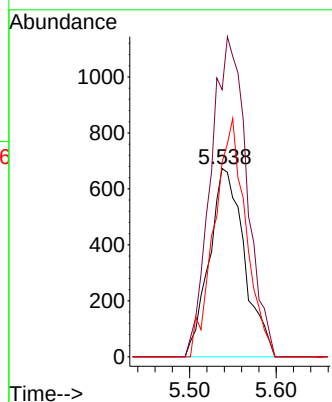
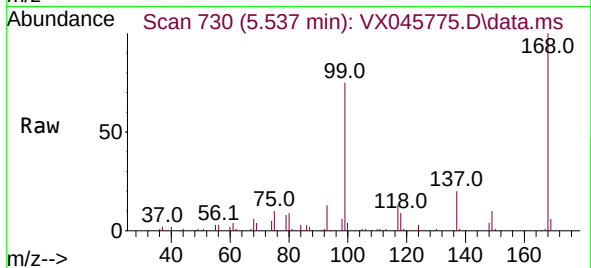




#31
Cyclohexane
Concen: 1.201 ug/l
RT: 5.537 min Scan# 718
Delta R.T. 0.073 min
Lab File: VX045775.D
Acq: 14 Apr 2025 17:54

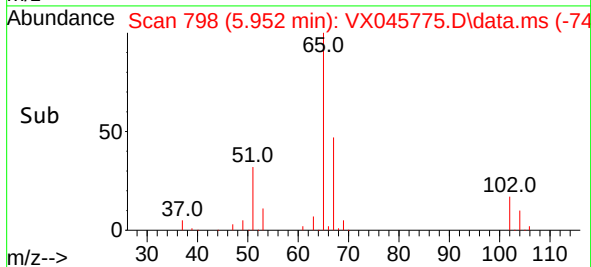
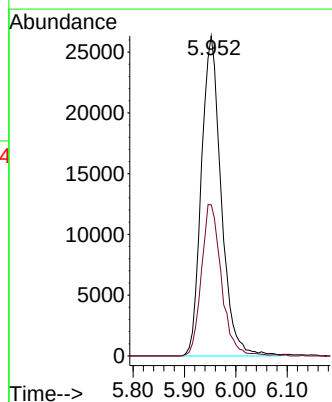
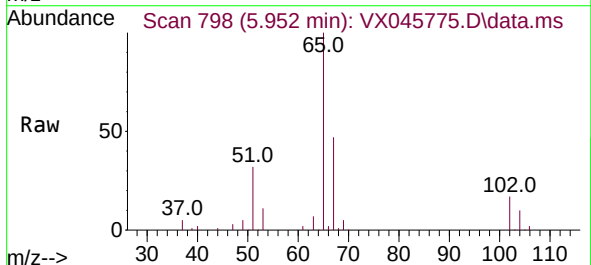
Instrument :
MSVOA_X
ClientSampleId :
WC-11

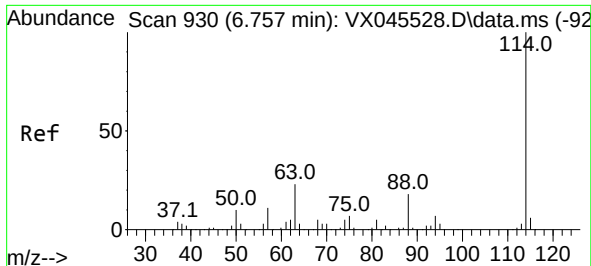
Tgt Ion: 56 Resp: 1887
Ion Ratio Lower Upper
56 100
69 141.9 23.6 35.4#
84 103.4 67.7 101.5#



#33
1,2-Dichloroethane-d4
Concen: 55.107 ug/l
RT: 5.952 min Scan# 798
Delta R.T. -0.000 min
Lab File: VX045775.D
Acq: 14 Apr 2025 17:54

Tgt Ion: 65 Resp: 70575
Ion Ratio Lower Upper
65 100
67 47.8 0.0 99.0

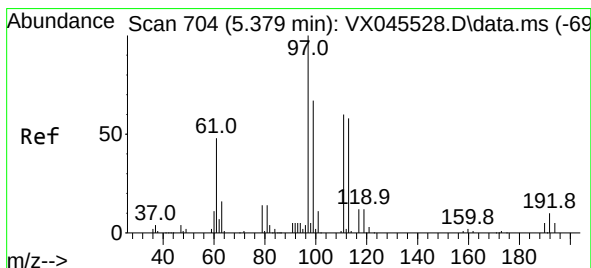
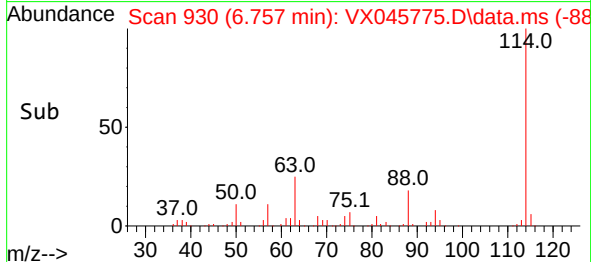
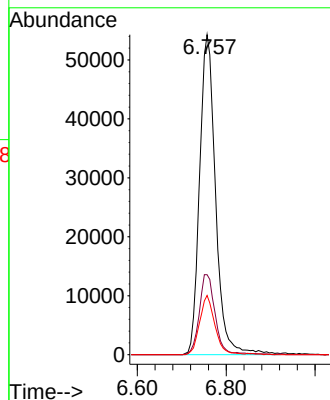
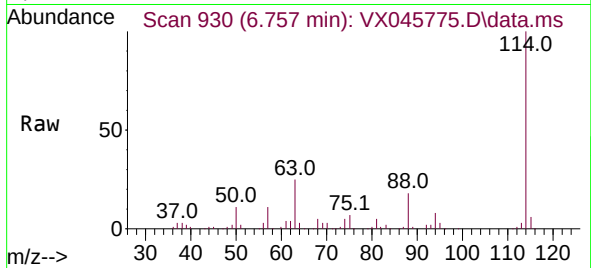




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 91
Delta R.T. -0.000 min
Lab File: VX045775.D
Acq: 14 Apr 2025 17:54

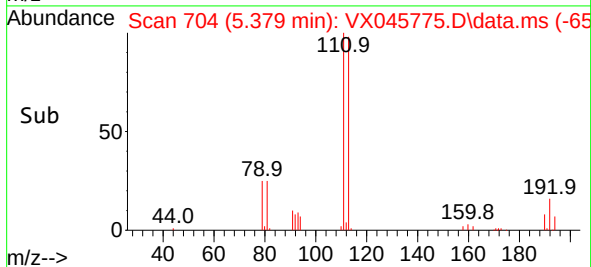
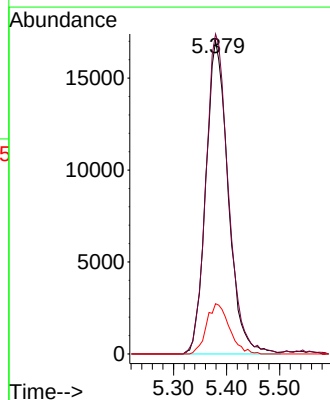
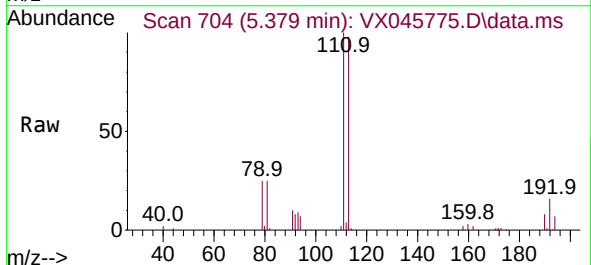
Instrument :
MSVOA_X
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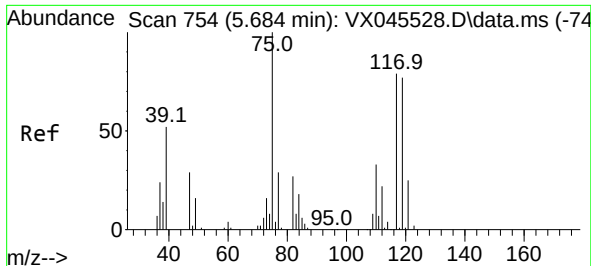
Tgt Ion:114 Resp: 136080
Ion Ratio Lower Upper
114 100
63 25.0 0.0 46.8
88 18.5 0.0 35.4



#35
Dibromofluoromethane
Concen: 51.734 ug/l
RT: 5.379 min Scan# 704
Delta R.T. -0.000 min
Lab File: VX045775.D
Acq: 14 Apr 2025 17:54

Tgt Ion:113 Resp: 49949
Ion Ratio Lower Upper
113 100
111 102.7 81.8 122.6
192 16.3 13.8 20.6





#36

1,1-Dichloropropene

Concen: 5.351 ug/l

RT: 5.544 min Scan# 71

Delta R.T. -0.140 min

Lab File: VX045775.D

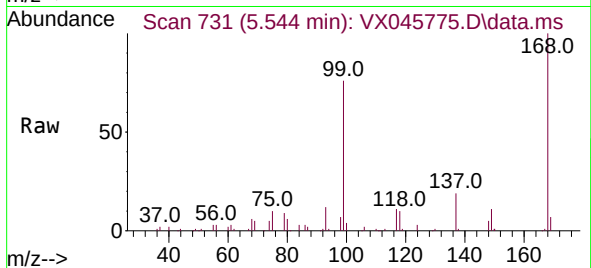
Acq: 14 Apr 2025 17:54

Instrument :

MSVOA_X

ClientSampleId :

WC-11



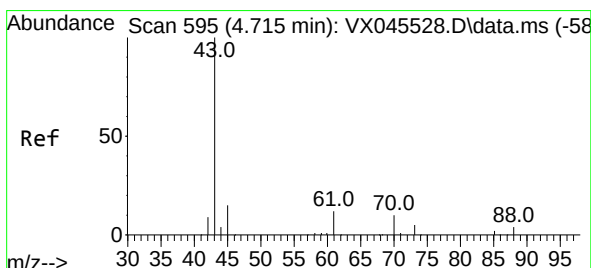
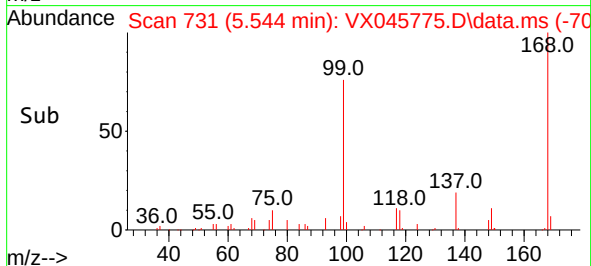
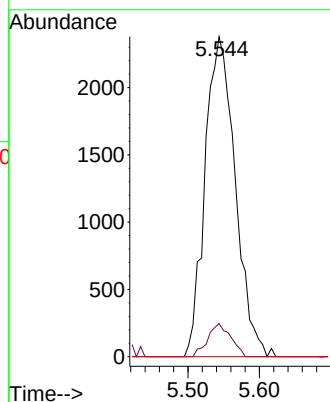
Tgt Ion: 75 Resp: 6975

Ion Ratio Lower Upper

75 100

110 7.9 16.9 50.6#

77 0.0 25.0 37.4#



#37

Ethyl Acetate

Concen: 1.590 ug/l

RT: 4.605 min Scan# 577

Delta R.T. -0.110 min

Lab File: VX045775.D

Acq: 14 Apr 2025 17:54

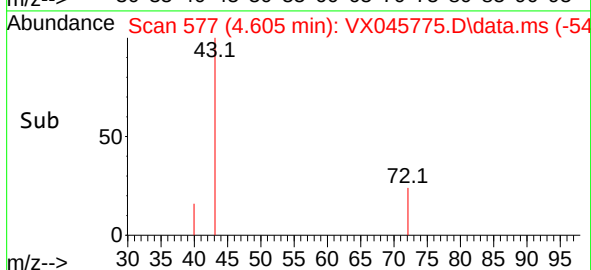
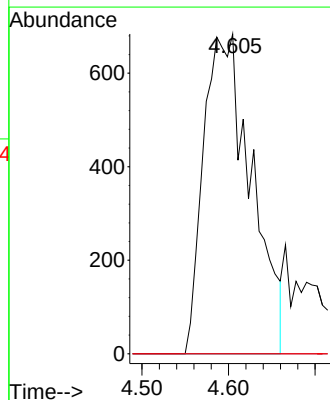
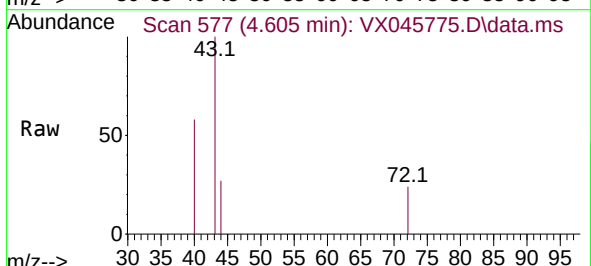
Tgt Ion: 43 Resp: 2612

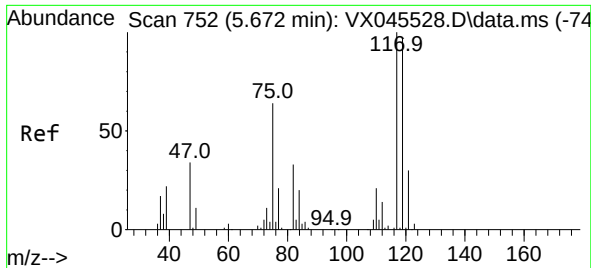
Ion Ratio Lower Upper

43 100

61 0.0 9.9 14.9#

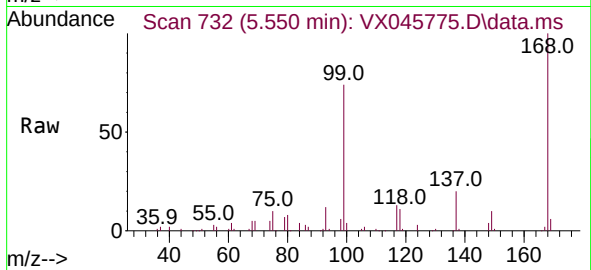
70 0.0 7.5 11.3#



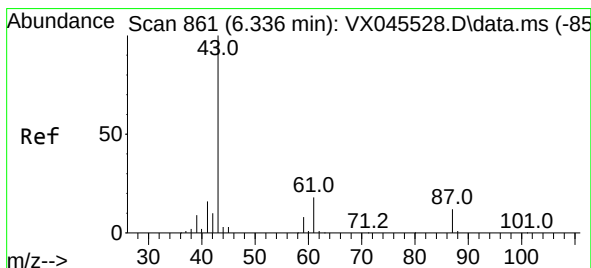
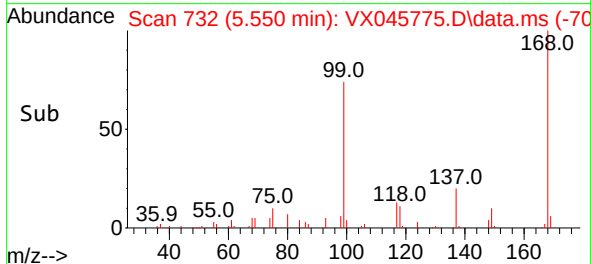
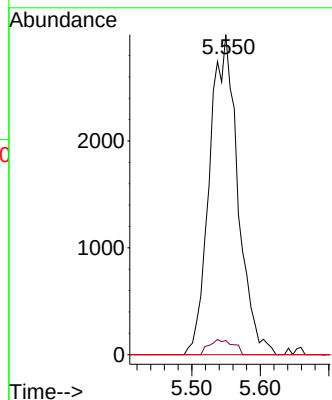


#38
Carbon Tetrachloride
Concen: 6.093 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.122 min
Lab File: VX045775.D
Acq: 14 Apr 2025 17:54

Instrument :
MSVOA_X
ClientSampleId :
WC-11

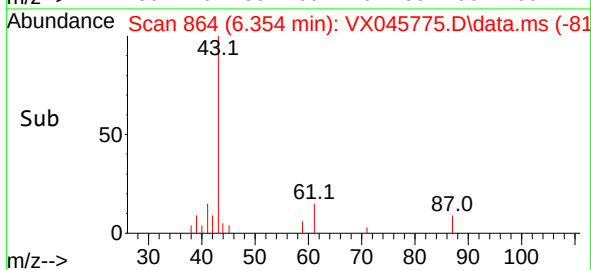
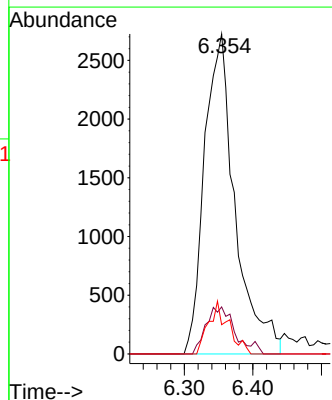
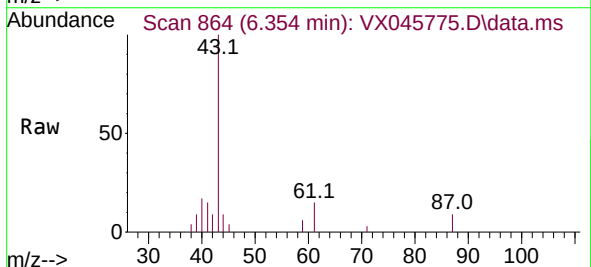


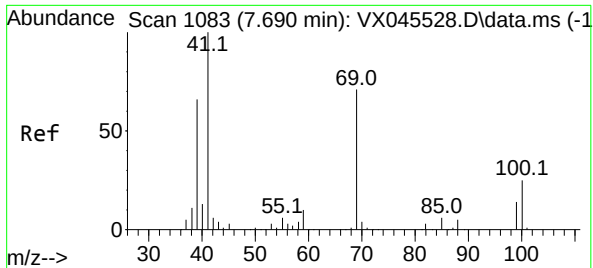
Tgt Ion:117 Resp: 8584
Ion Ratio Lower Upper
117 100
119 4.4 76.9 115.3#
121 0.0 24.2 36.2#



#43
Isopropyl Acetate
Concen: 3.404 ug/l
RT: 6.354 min Scan# 864
Delta R.T. 0.018 min
Lab File: VX045775.D
Acq: 14 Apr 2025 17:54

Tgt Ion: 43 Resp: 8475
Ion Ratio Lower Upper
43 100
61 13.9 14.1 21.1#
87 10.8 9.2 13.8

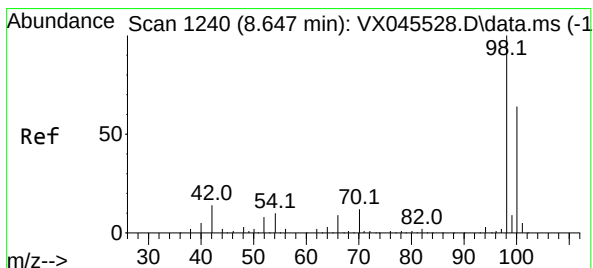
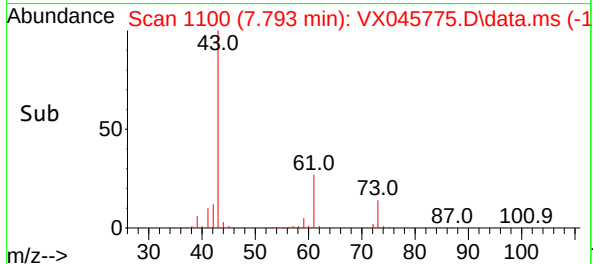
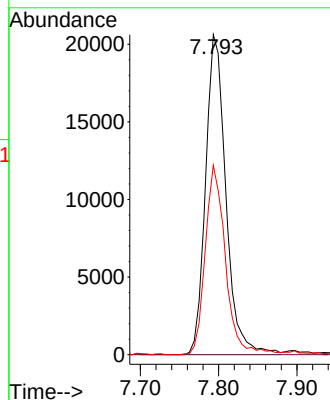
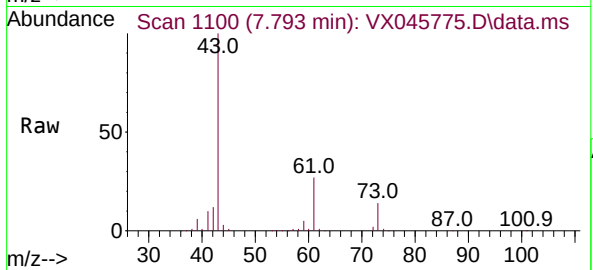




#48
Methyl methacrylate
Concen: 28.885 ug/l
RT: 7.793 min Scan# 1100
Delta R.T. 0.104 min
Lab File: VX045775.D
Acq: 14 Apr 2025 17:54

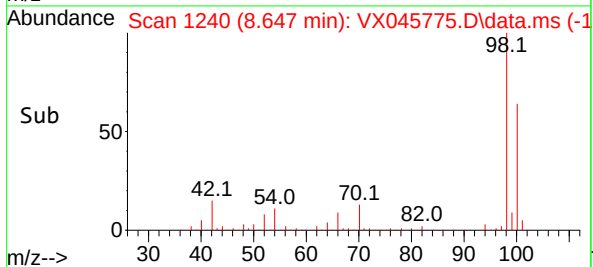
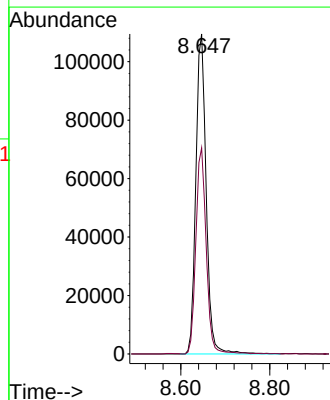
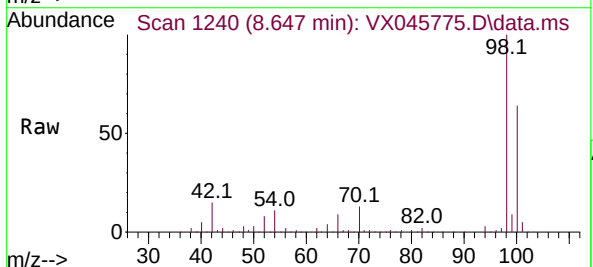
Instrument :
MSVOA_X
ClientSampleId :
WC-11

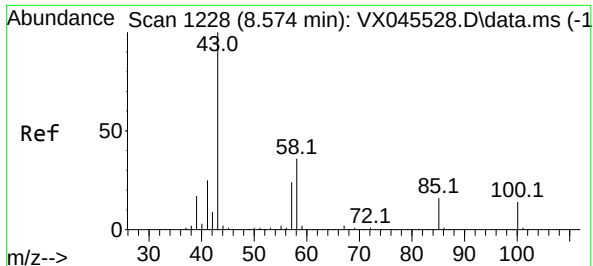
Tgt Ion: 41 Resp: 37134
Ion Ratio Lower Upper
41 100
69 0.0 58.2 87.2#
39 58.8 53.6 80.4



#50
Toluene-d8
Concen: 52.324 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX045775.D
Acq: 14 Apr 2025 17:54

Tgt Ion: 98 Resp: 176330
Ion Ratio Lower Upper
98 100
100 64.6 52.2 78.4

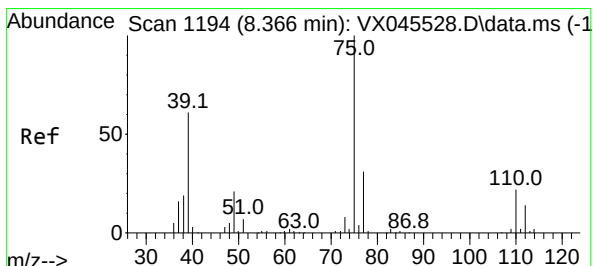
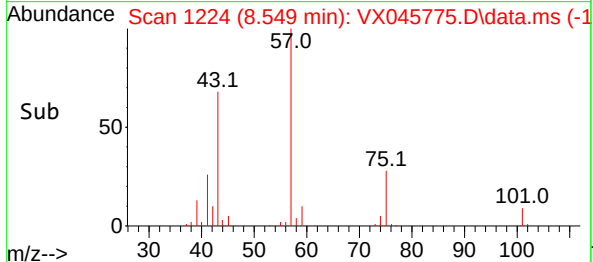
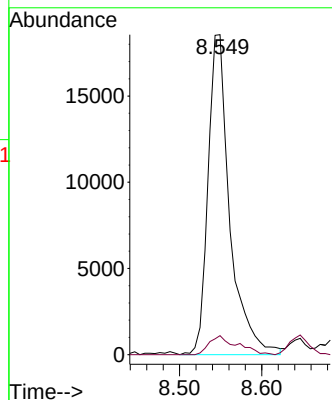
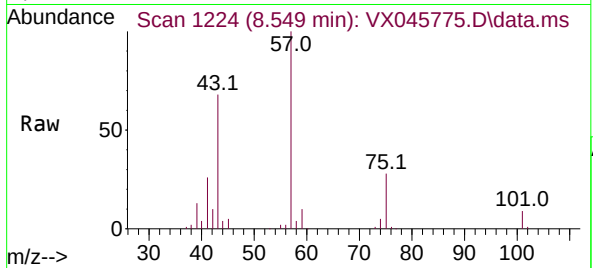




#51
4-Methyl-2-Pentanone
Concen: 20.672 ug/l
RT: 8.549 min Scan# 11
Delta R.T. -0.024 min
Lab File: VX045775.D
Acq: 14 Apr 2025 17:54

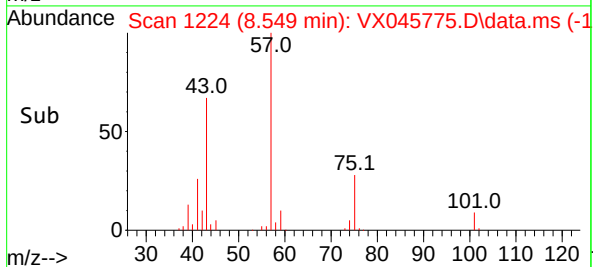
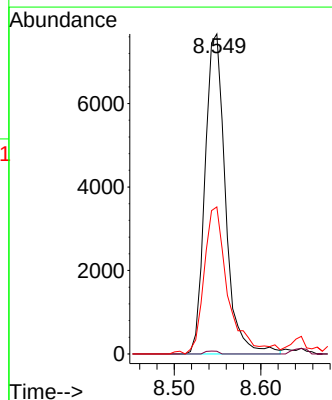
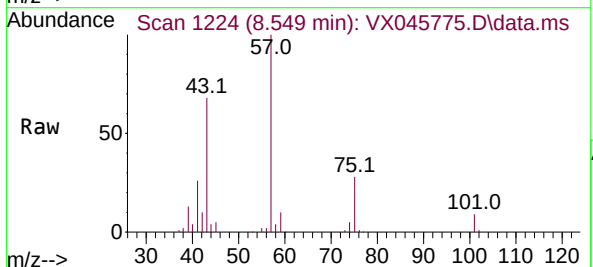
Instrument :
MSVOA_X
ClientSampleId :
WC-11

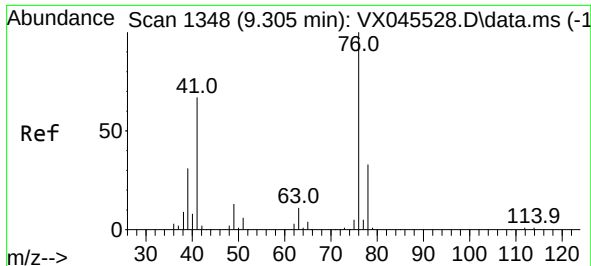
Tgt Ion: 43 Resp: 34121
Ion Ratio Lower Upper
43 100
58 7.7 28.5 42.7#



#54
cis-1,3-Dichloropropene
Concen: 8.781 ug/l
RT: 8.549 min Scan# 1224
Delta R.T. 0.183 min
Lab File: VX045775.D
Acq: 14 Apr 2025 17:54

Tgt Ion: 75 Resp: 12566
Ion Ratio Lower Upper
75 100
77 0.8 24.6 36.8#
39 45.1 48.4 72.6#





#57

1,3-Dichloropropane

Concen: 0.511 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.177 min

Lab File: VX045775.D

Acq: 14 Apr 2025 17:54

Instrument :

MSVOA_X

ClientSampleId :

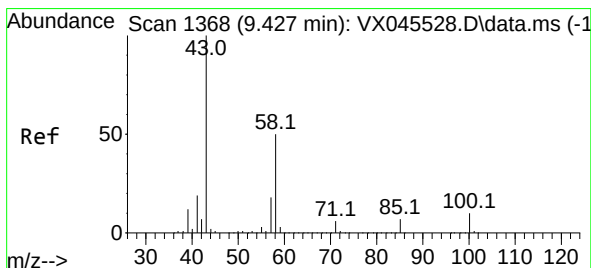
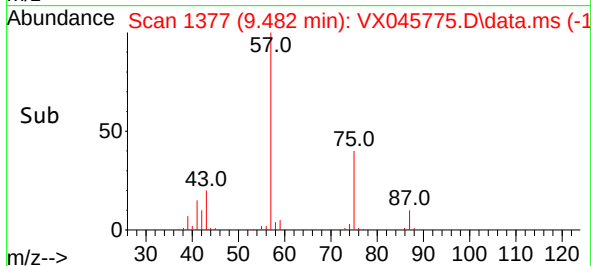
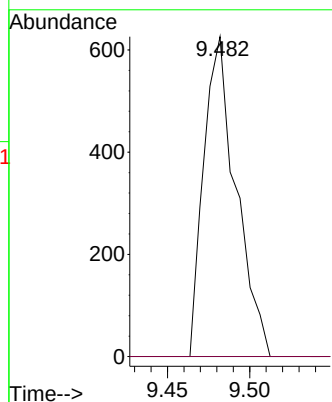
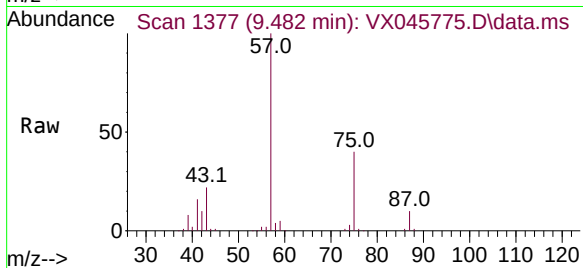
WC-11

Tgt Ion: 76 Resp: 854

Ion Ratio Lower Upper

76 100

78 0.0 26.0 39.0#



#59

2-Hexanone

Concen: 7.469 ug/l

RT: 9.372 min Scan# 1359

Delta R.T. -0.055 min

Lab File: VX045775.D

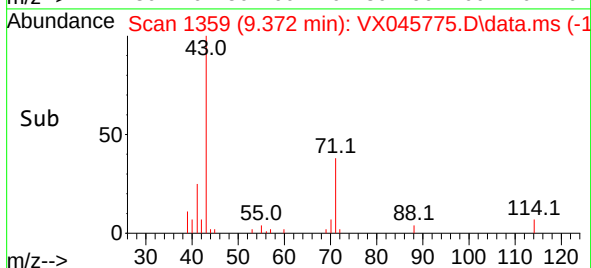
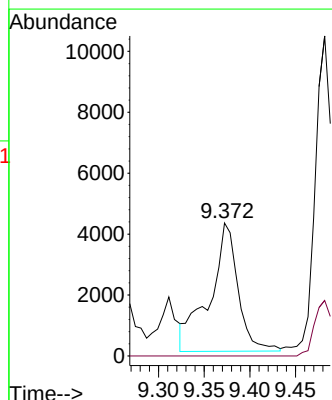
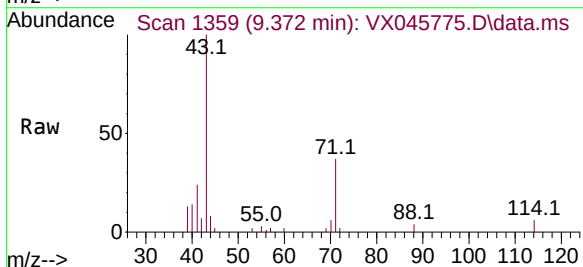
Acq: 14 Apr 2025 17:54

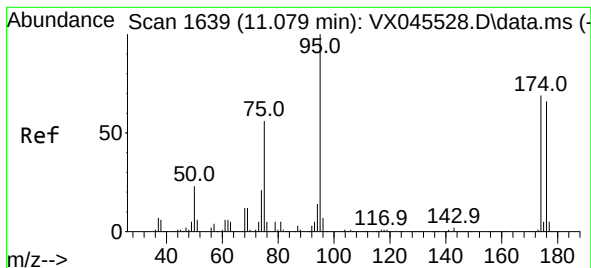
Tgt Ion: 43 Resp: 9129

Ion Ratio Lower Upper

43 100

58 0.0 24.9 74.6#

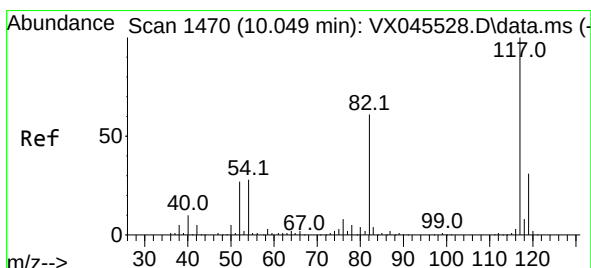
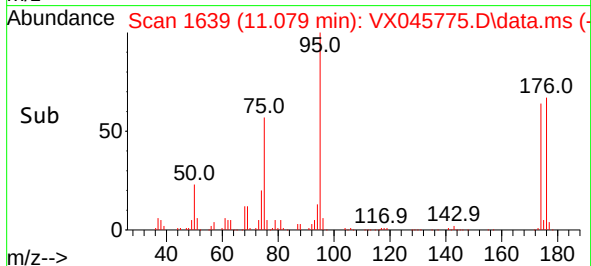
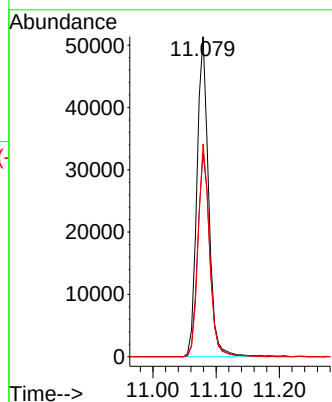
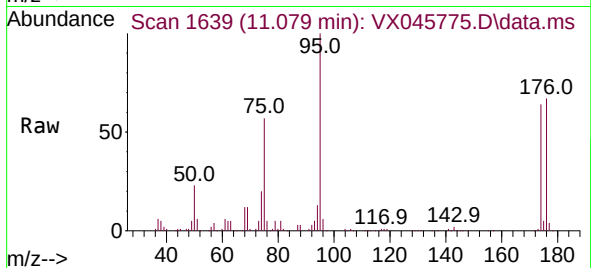




#62
4-Bromofluorobenzene
Concen: 53.760 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX045775.D
Acq: 14 Apr 2025 17:54

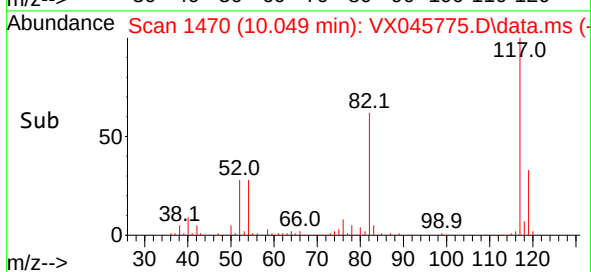
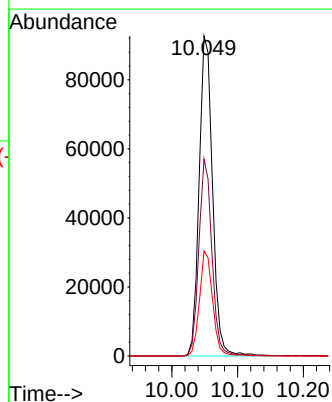
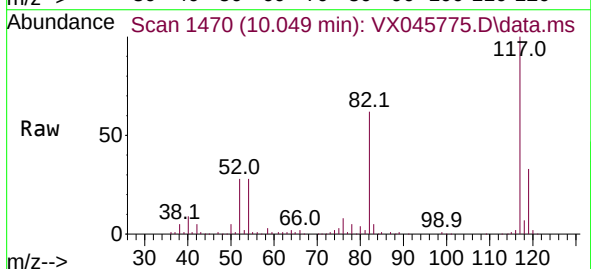
Instrument :
MSVOA_X
ClientSampleId :
WC-11

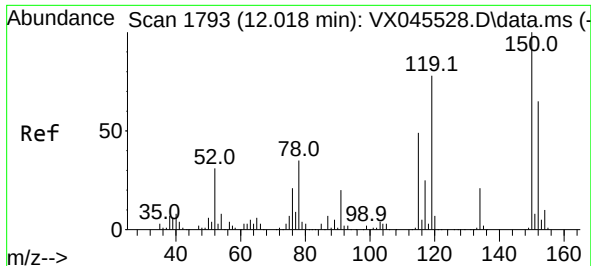
Tgt Ion: 95 Resp: 65990
Ion Ratio Lower Upper
95 100
174 65.3 0.0 135.8
176 65.0 0.0 131.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 1470
Delta R.T. -0.000 min
Lab File: VX045775.D
Acq: 14 Apr 2025 17:54

Tgt Ion: 117 Resp: 131577
Ion Ratio Lower Upper
117 100
82 61.5 49.2 73.8
119 32.7 25.1 37.7

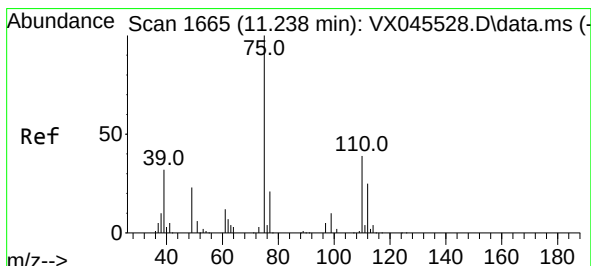
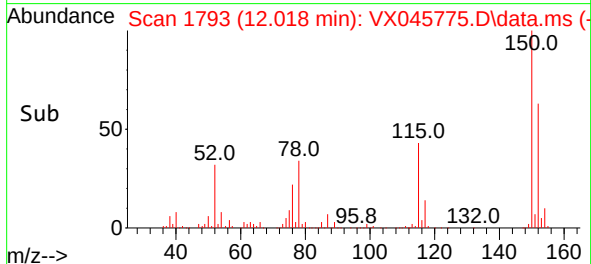
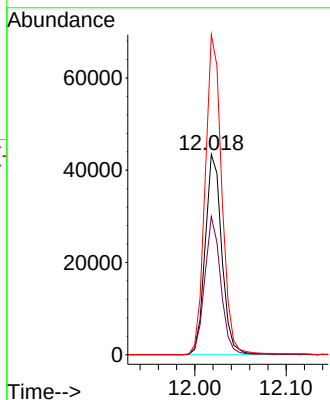
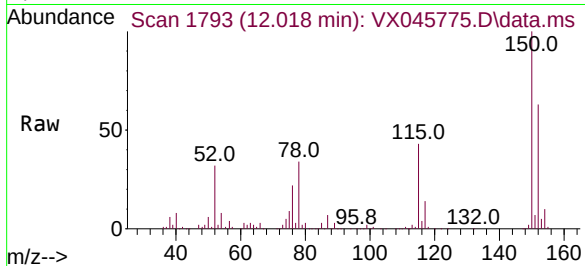




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.018 min Scan# 1
 Delta R.T. -0.000 min
 Lab File: VX045775.D
 Acq: 14 Apr 2025 17:54

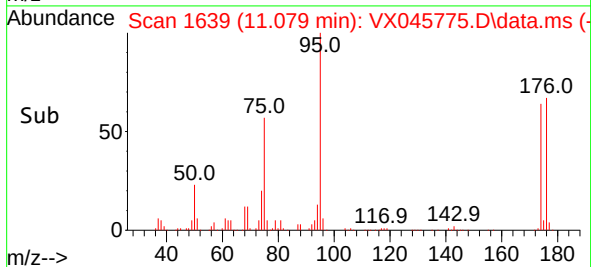
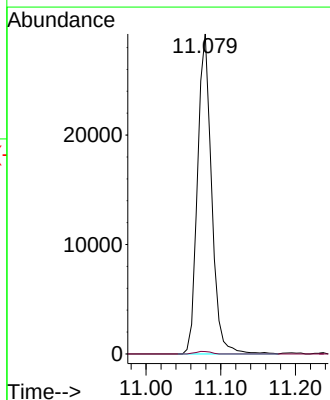
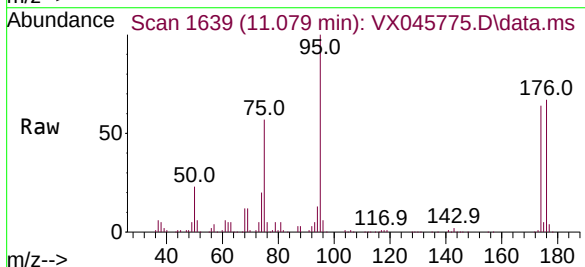
Instrument :
 MSVOA_X
 ClientSampleId :
 WC-11

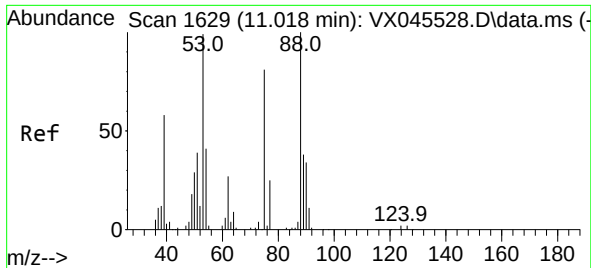
Tgt Ion:152 Resp: 54629
 Ion Ratio Lower Upper
 152 100
 115 66.6 46.9 140.7
 150 160.5 0.0 349.4



#76
 1,2,3-Trichloropropane
 Concen: 28.751 ug/l
 RT: 11.079 min Scan# 1639
 Delta R.T. -0.159 min
 Lab File: VX045775.D
 Acq: 14 Apr 2025 17:54

Tgt Ion: 75 Resp: 38311
 Ion Ratio Lower Upper
 75 100
 77 0.9 20.0 59.9#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 97.576 ug/l
 RT: 11.079 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX045775.D
 Acq: 14 Apr 2025 17:54

Instrument :
 MSVOA_X
 ClientSampleId :
 WC-11

Tgt Ion: 75 Resp: 38311
 Ion Ratio Lower Upper
 75 100
 53 0.0 101.8 152.6#
 89 0.1 37.2 55.8#

