

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX041025\
 Data File : VX045719.D
 Acq On : 11 Apr 2025 06:19
 Operator : JC/MD
 Sample : Q1753-04
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 40 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 WC-1

Quant Time: Apr 11 06:48:35 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	5.550	168	64440	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	130030	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	124115	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	53936	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	65156	55.290	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 110.580%	
35) Dibromofluoromethane	5.379	113	46490	50.392	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 100.780%	
50) Toluene-d8	8.647	98	164326	51.031	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 102.060%	
62) 4-Bromofluorobenzene	11.079	95	62959	53.677	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 107.360%	

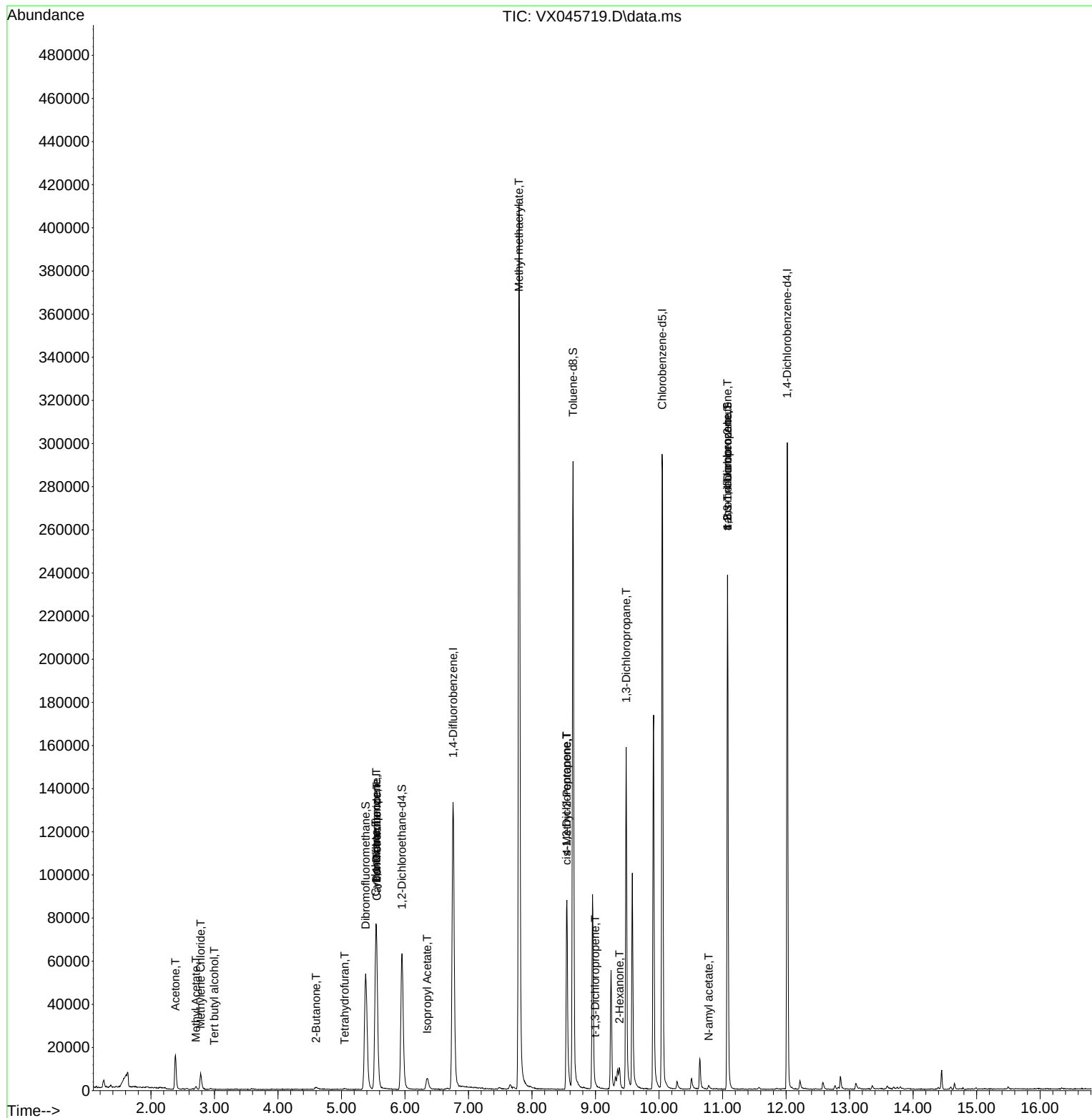
Target Compounds					Qvalue	
11) Tert butyl alcohol	2.995	59	82	0.518	ug/l #	72
16) Acetone	2.386	43	17857	36.902	ug/l	97
18) Methyl Acetate	2.709	43	1676	1.504	ug/l	99
20) Methylene Chloride	2.782	84	3470	3.830	ug/l	94
25) 2-Butanone	4.599	43	2443	3.449	ug/l	99
29) Tetrahydrofuran	5.050	42	306	0.666	ug/l #	50
31) Cyclohexane	5.538	56	2088	1.444	ug/l #	47
36) 1,1-Dichloropropene	5.550	75	6705	5.383	ug/l #	51
38) Carbon Tetrachloride	5.556	117	7867	5.844	ug/l #	16
43) Isopropyl Acetate	6.348	43	8125	3.415	ug/l	98
48) Methyl methacrylate	7.793	41	41558	33.830	ug/l #	51
51) 4-Methyl-2-Pentanone	8.549	43	35742	22.661	ug/l #	48
53) t-1,3-Dichloropropene	8.994	75	20	2.303	ug/l #	43
54) cis-1,3-Dichloropropene	8.543	75	13253	9.692	ug/l #	73
57) 1,3-Dichloropropane	9.482	76	1340	0.839	ug/l #	42
59) 2-Hexanone	9.378	43	9079	7.773	ug/l #	28
74) N-amyl acetate	10.780	43	1203	0.582	ug/l #	46
76) 1,2,3-Trichloropropane	11.079	75	36389	27.659	ug/l #	37
81) trans-1,4-Dichloro-2-b...	11.079	75	36389	93.871	ug/l #	1

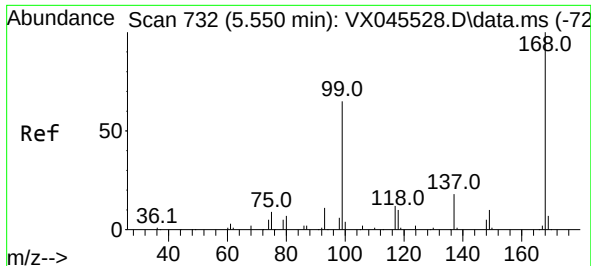
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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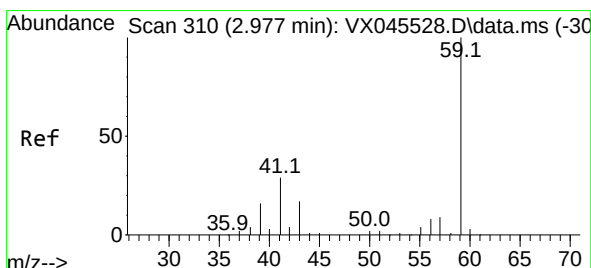
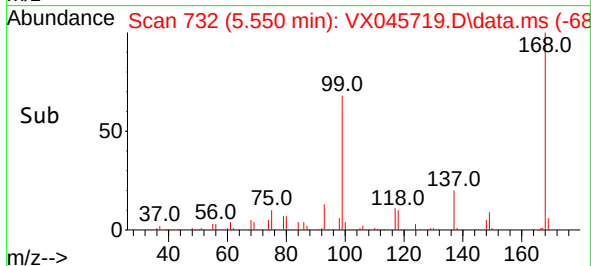
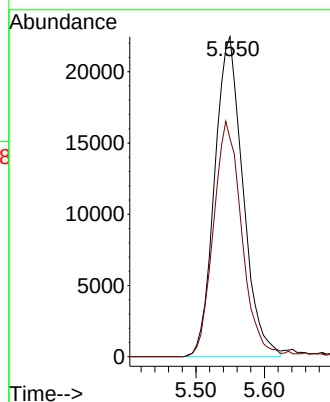
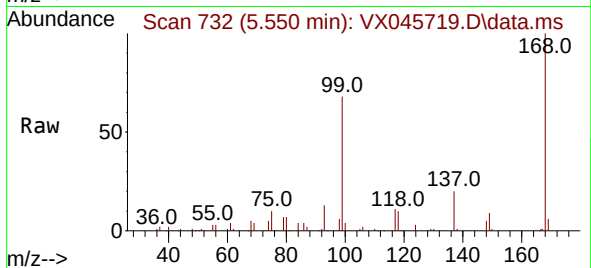




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX045719.D
Acq: 11 Apr 2025 06:19

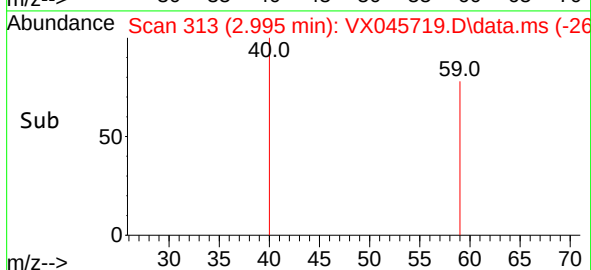
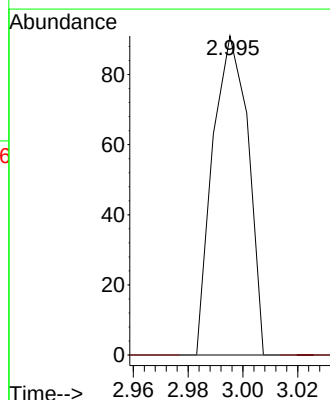
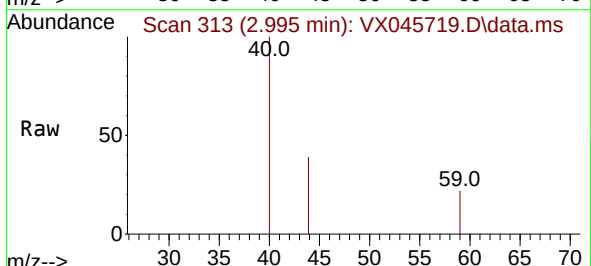
Instrument :
MSVOA_X
ClientSampleId :
WC-1

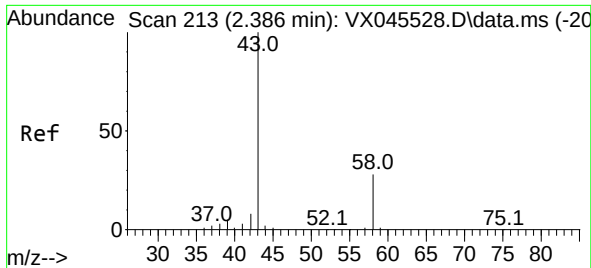
Tgt Ion:168 Resp: 64440
Ion Ratio Lower Upper
168 100
99 68.1 52.3 78.5



#11
Tert butyl alcohol
Concen: 0.518 ug/l
RT: 2.995 min Scan# 313
Delta R.T. 0.018 min
Lab File: VX045719.D
Acq: 11 Apr 2025 06:19

Tgt Ion: 59 Resp: 82
Ion Ratio Lower Upper
59 100
57 0.0 8.6 12.8#

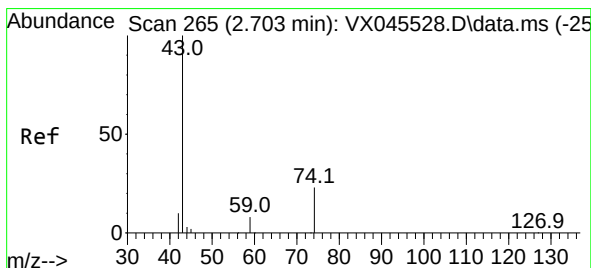
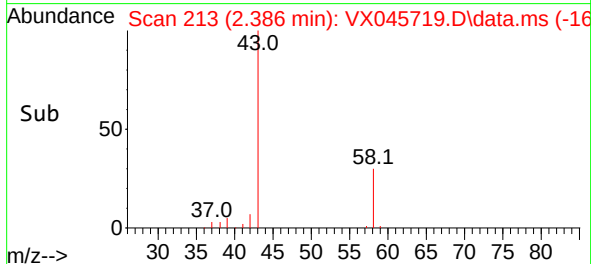
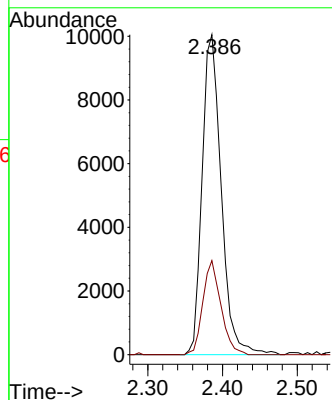
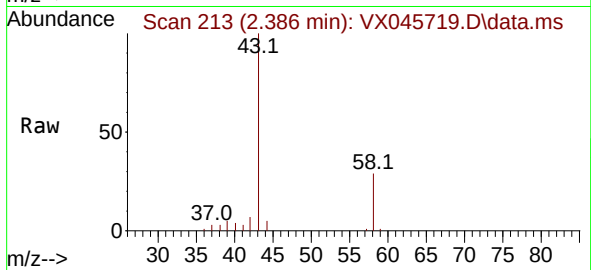




#16
Acetone
Concen: 36.902 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.000 min
Lab File: VX045719.D
Acq: 11 Apr 2025 06:19

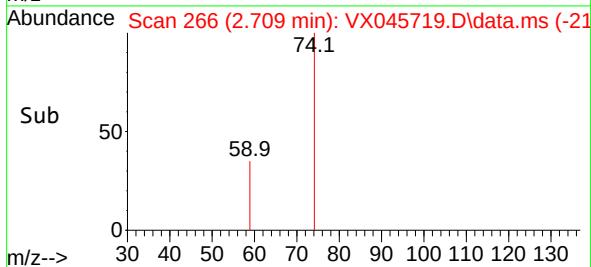
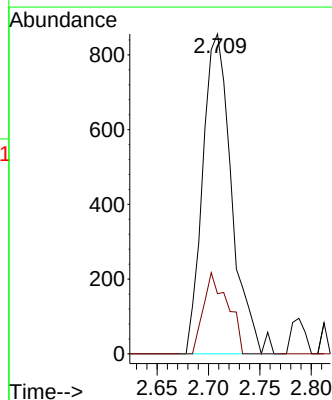
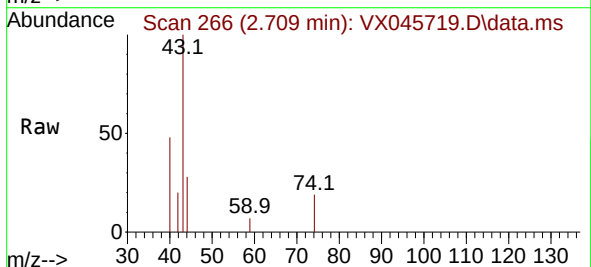
Instrument :
MSVOA_X
ClientSampleId :
WC-1

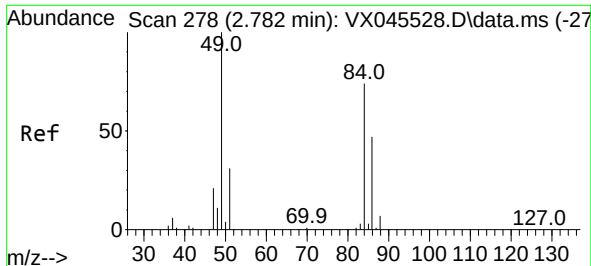
Tgt Ion: 43 Resp: 17857
Ion Ratio Lower Upper
43 100
58 29.4 22.3 33.5



#18
Methyl Acetate
Concen: 1.504 ug/l
RT: 2.709 min Scan# 266
Delta R.T. 0.006 min
Lab File: VX045719.D
Acq: 11 Apr 2025 06:19

Tgt Ion: 43 Resp: 1676
Ion Ratio Lower Upper
43 100
74 21.4 17.5 26.3



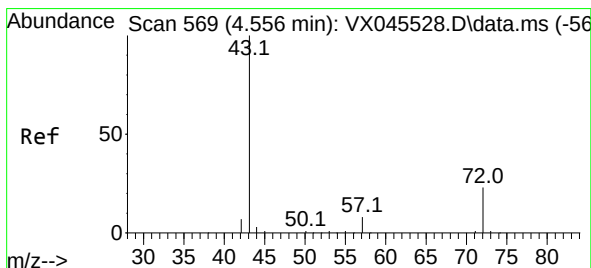
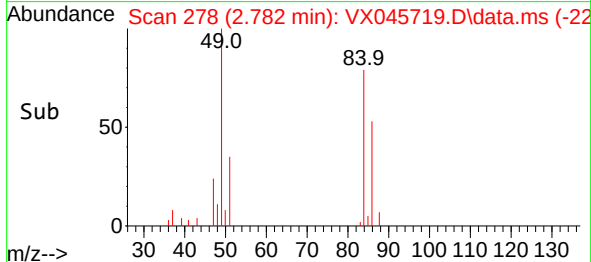
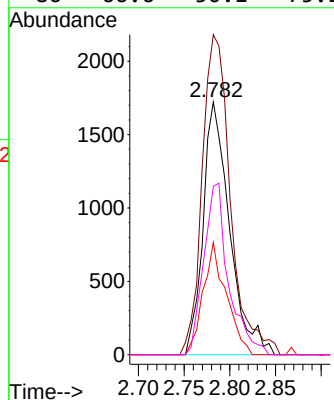
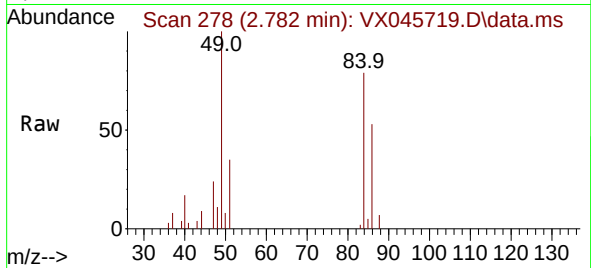


#20
Methylene Chloride
Concen: 3.830 ug/l
RT: 2.782 min Scan# 21
Delta R.T. -0.000 min
Lab File: VX045719.D
Acq: 11 Apr 2025 06:19

Instrument :
MSVOA_X
ClientSampleId :
WC-1

Tgt Ion: 84 Resp: 3470

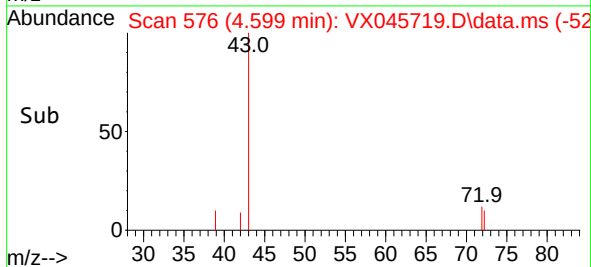
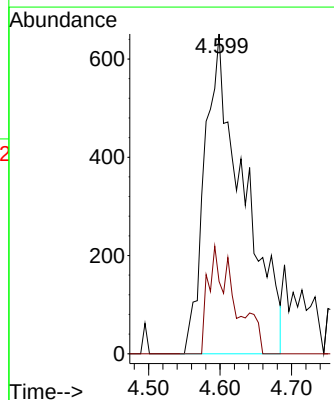
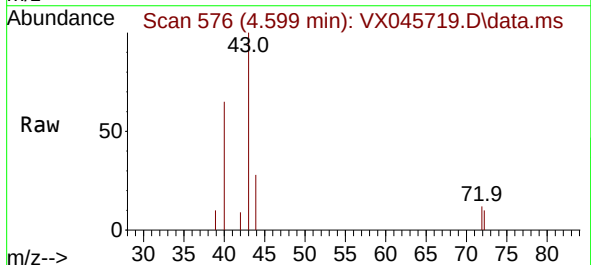
Ion	Ratio	Lower	Upper
84	100		
49	126.7	107.5	161.3
51	44.4	33.0	49.6
86	66.6	50.1	75.1

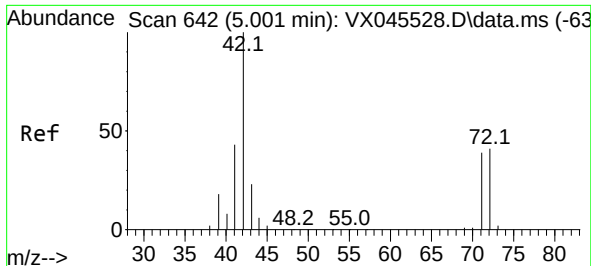


#25
2-Butanone
Concen: 3.449 ug/l
RT: 4.599 min Scan# 576
Delta R.T. 0.043 min
Lab File: VX045719.D
Acq: 11 Apr 2025 06:19

Tgt Ion: 43 Resp: 2443

Ion	Ratio	Lower	Upper
43	100		
72	22.6	18.6	28.0





#29

Tetrahydrofuran

Concen: 0.666 ug/l

RT: 5.050 min Scan# 61

Delta R.T. 0.049 min

Lab File: VX045719.D

Acq: 11 Apr 2025 06:19

Instrument :

MSVOA_X

ClientSampleId :

WC-1

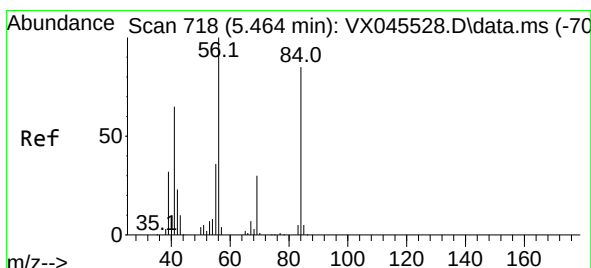
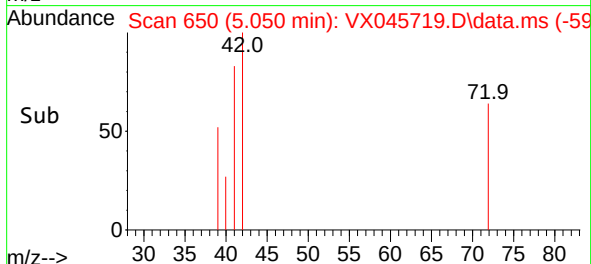
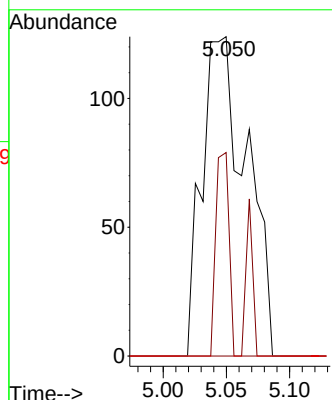
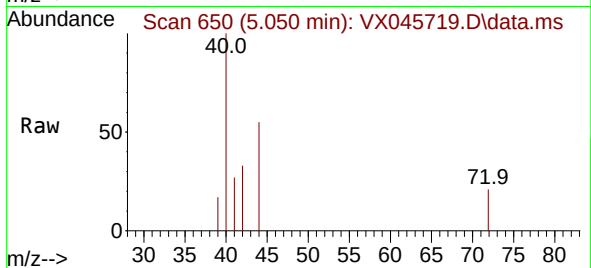
Tgt Ion: 42 Resp: 306

Ion Ratio Lower Upper

42 100

72 18.6 33.4 50.0#

71 0.0 31.4 47.0#



#31

Cyclohexane

Concen: 1.444 ug/l

RT: 5.538 min Scan# 730

Delta R.T. 0.073 min

Lab File: VX045719.D

Acq: 11 Apr 2025 06:19

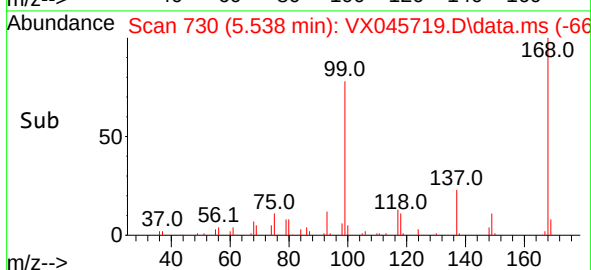
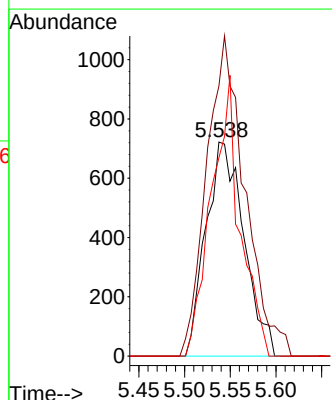
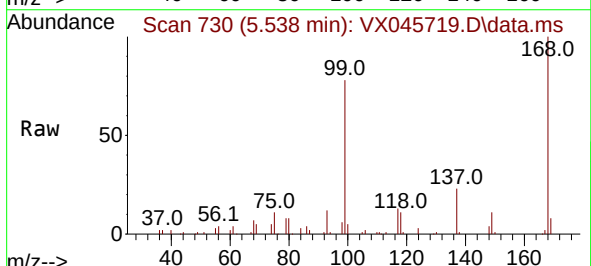
Tgt Ion: 56 Resp: 2088

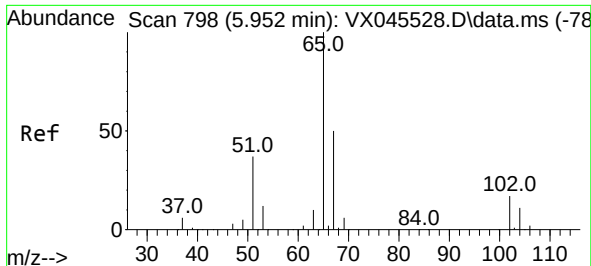
Ion Ratio Lower Upper

56 100

69 126.2 23.6 35.4#

84 92.7 67.7 101.5





#33

1,2-Dichloroethane-d4

Concen: 55.290 ug/l

RT: 5.952 min Scan# 798

Delta R.T. -0.000 min

Lab File: VX045719.D

Acq: 11 Apr 2025 06:19

Instrument :

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ClientSampleId :

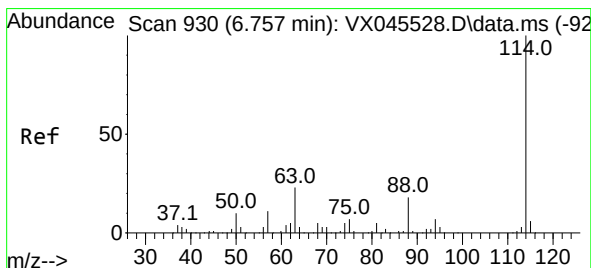
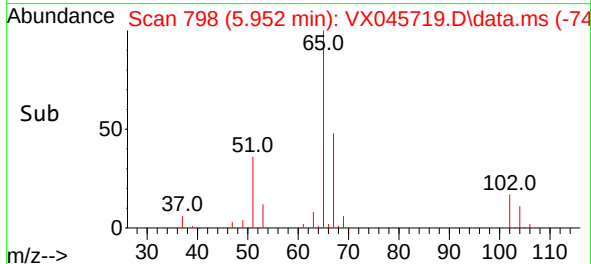
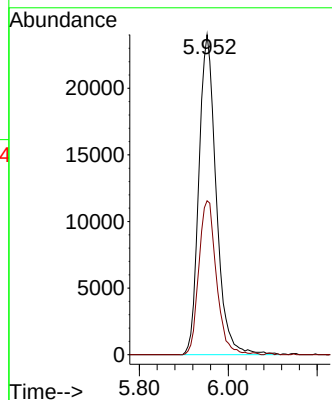
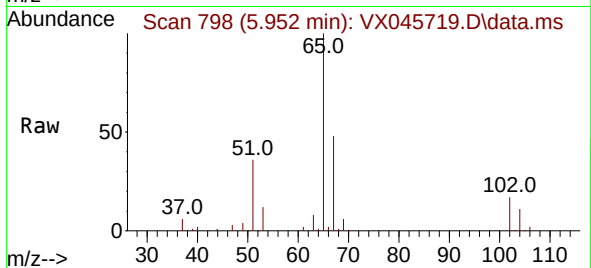
WC-1

Tgt Ion: 65 Resp: 65156

Ion Ratio Lower Upper

65 100

67 48.8 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: VX045719.D

Acq: 11 Apr 2025 06:19

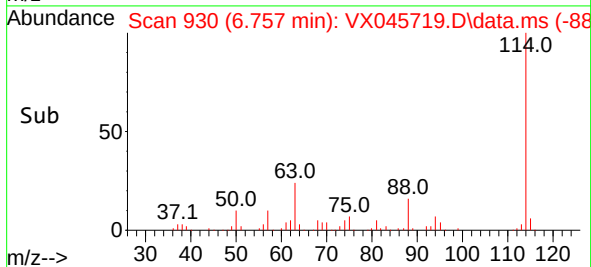
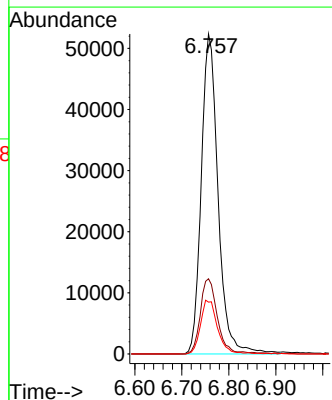
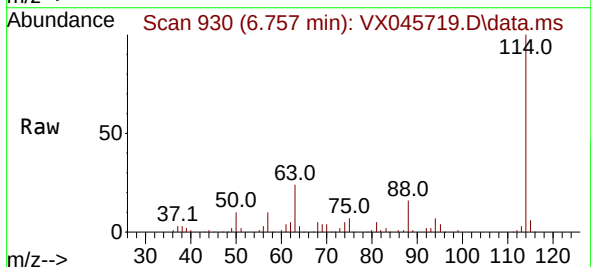
Tgt Ion: 114 Resp: 130030

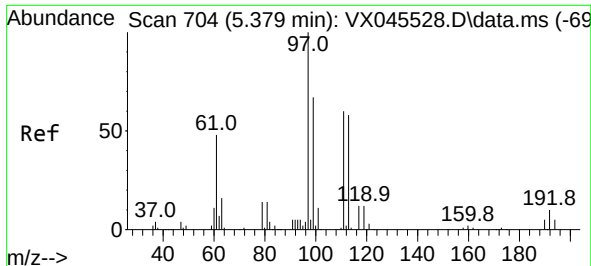
Ion Ratio Lower Upper

114 100

63 23.5 0.0 46.8

88 16.2 0.0 35.4

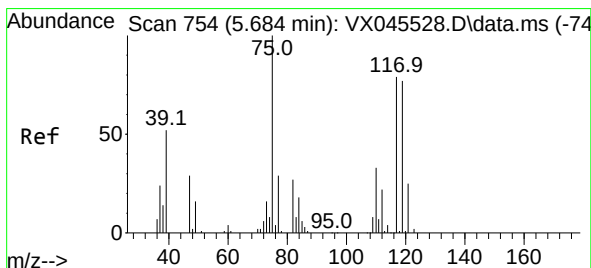
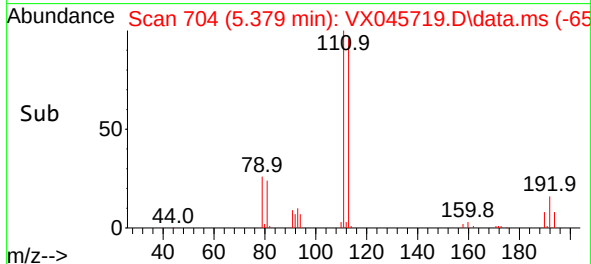
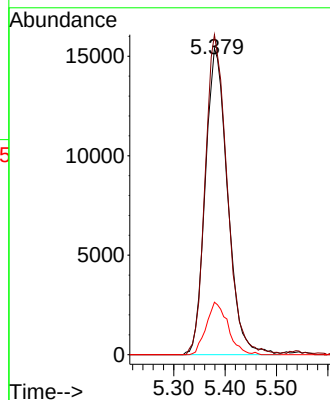
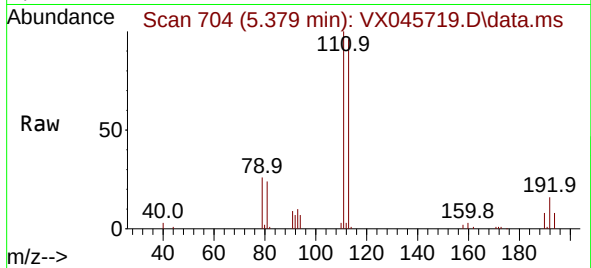




#35
Dibromofluoromethane
Concen: 50.392 ug/l
RT: 5.379 min Scan# 704
Delta R.T. -0.000 min
Lab File: VX045719.D
Acq: 11 Apr 2025 06:19

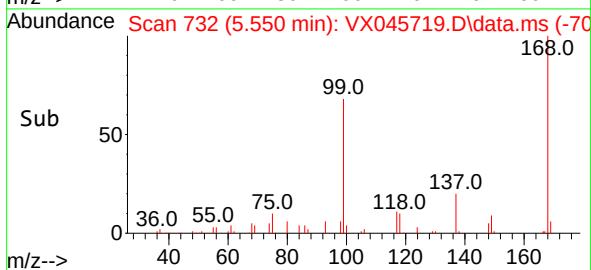
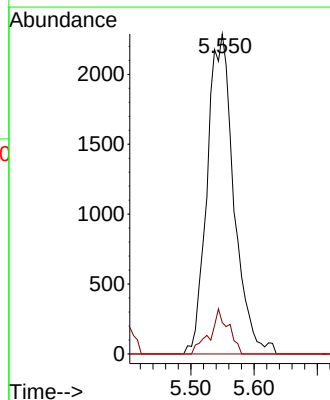
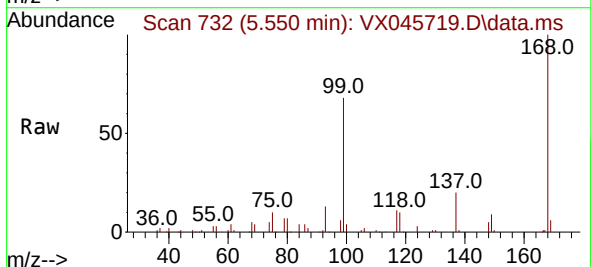
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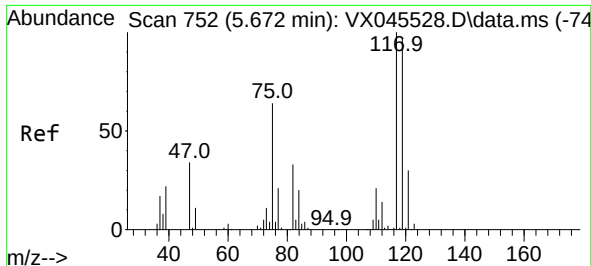
Tgt Ion:113 Resp: 46490
Ion Ratio Lower Upper
113 100
111 102.9 81.8 122.6
192 16.7 13.8 20.6



#36
1,1-Dichloropropene
Concen: 5.383 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.134 min
Lab File: VX045719.D
Acq: 11 Apr 2025 06:19

Tgt Ion: 75 Resp: 6705
Ion Ratio Lower Upper
75 100
110 9.9 16.9 50.6#
77 0.0 25.0 37.4#

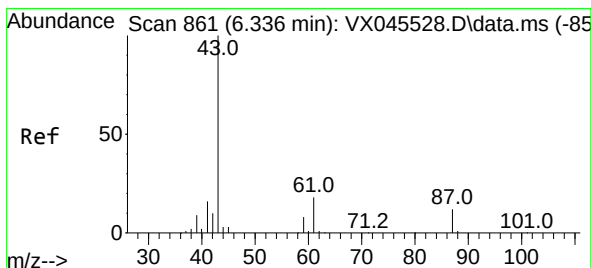
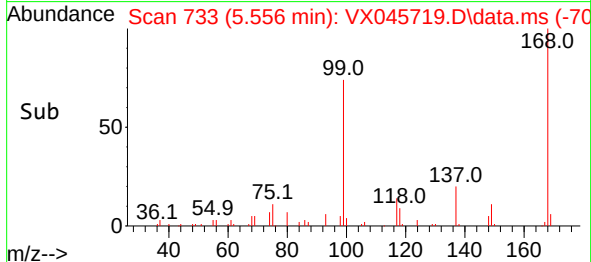
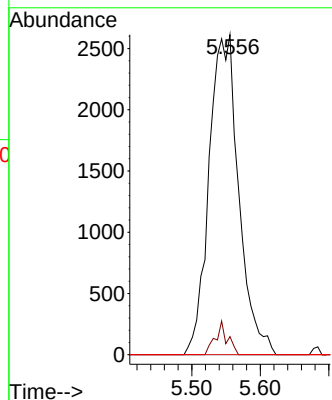
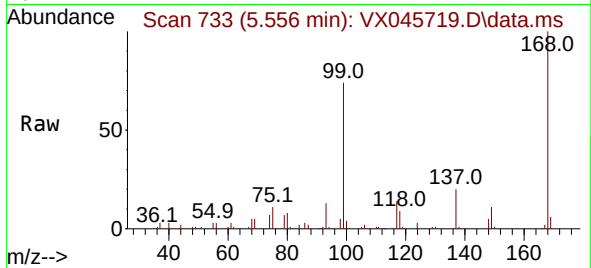




#38
Carbon Tetrachloride
Concen: 5.844 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.116 min
Lab File: VX045719.D
Acq: 11 Apr 2025 06:19

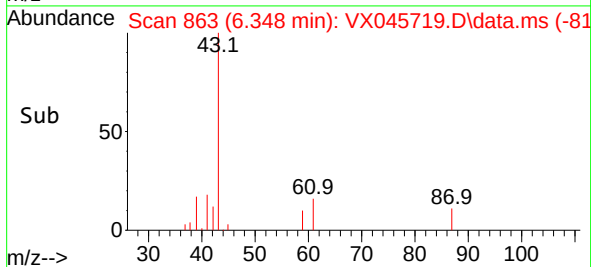
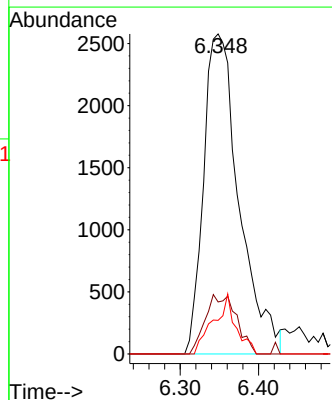
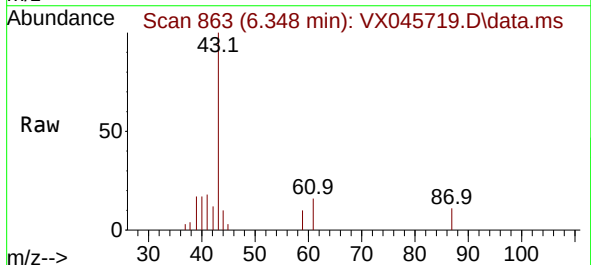
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WC-1

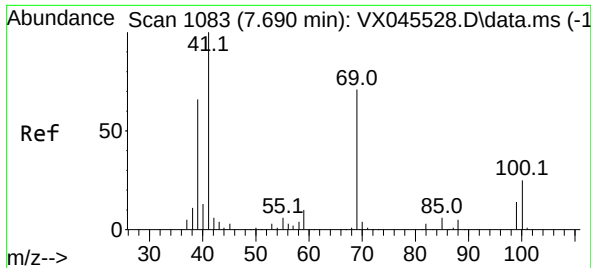
Tgt Ion:117 Resp: 7867
Ion Ratio Lower Upper
117 100
119 5.7 76.9 115.3#
121 0.0 24.2 36.2#



#43
Isopropyl Acetate
Concen: 3.415 ug/l
RT: 6.348 min Scan# 863
Delta R.T. 0.012 min
Lab File: VX045719.D
Acq: 11 Apr 2025 06:19

Tgt Ion: 43 Resp: 8125
Ion Ratio Lower Upper
43 100
61 16.2 14.1 21.1
87 11.8 9.2 13.8

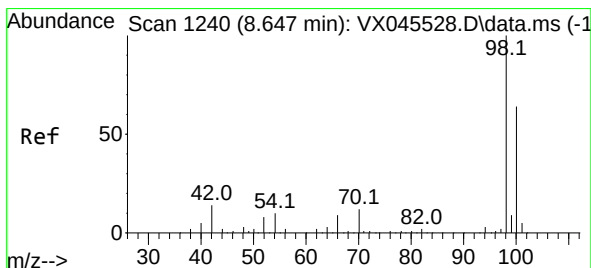
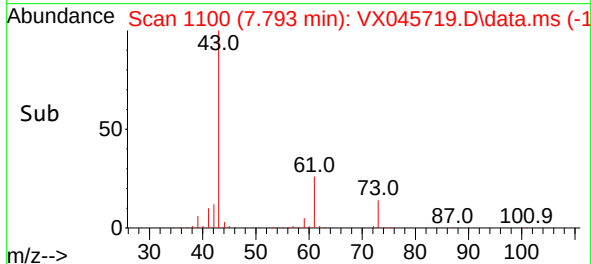
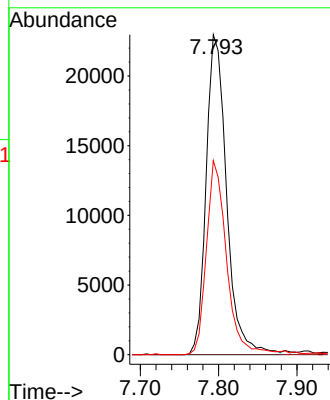
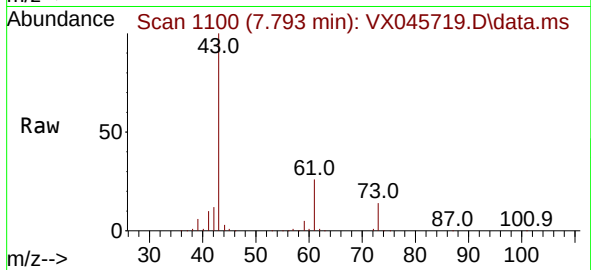




#48
Methyl methacrylate
Concen: 33.830 ug/l
RT: 7.793 min Scan# 1100
Delta R.T. 0.104 min
Lab File: VX045719.D
Acq: 11 Apr 2025 06:19

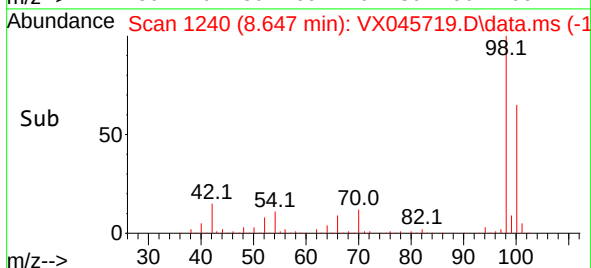
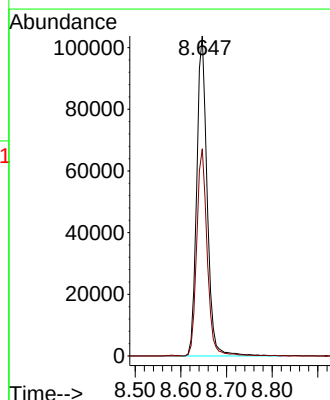
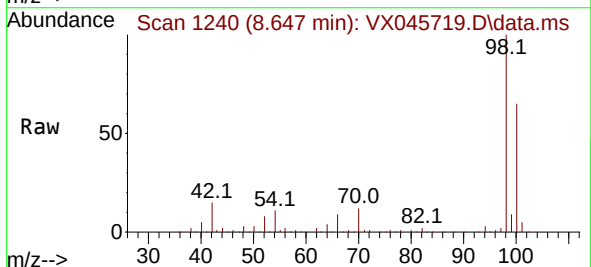
Instrument :
MSVOA_X
ClientSampleId :
WC-1

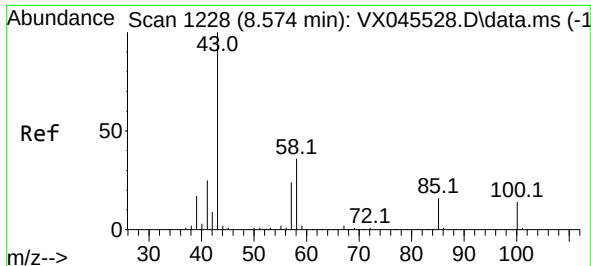
Tgt Ion: 41 Resp: 41558
Ion Ratio Lower Upper
41 100
69 0.0 58.2 87.2#
39 60.5 53.6 80.4



#50
Toluene-d8
Concen: 51.031 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX045719.D
Acq: 11 Apr 2025 06:19

Tgt Ion: 98 Resp: 164326
Ion Ratio Lower Upper
98 100
100 65.0 52.2 78.4

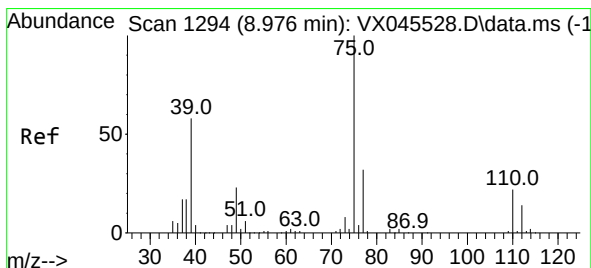
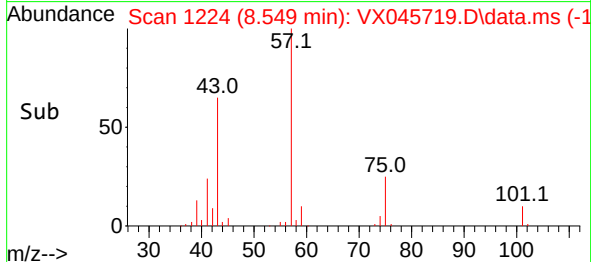
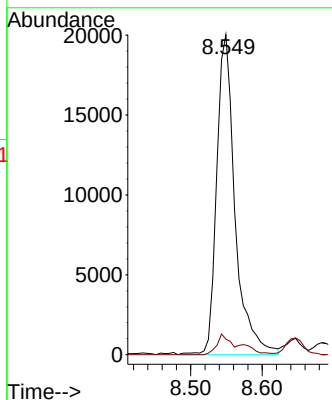
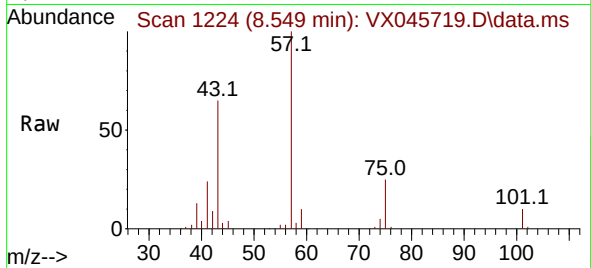




#51
4-Methyl-2-Pentanone
Concen: 22.661 ug/l
RT: 8.549 min Scan# 11
Delta R.T. -0.024 min
Lab File: VX045719.D
Acq: 11 Apr 2025 06:19

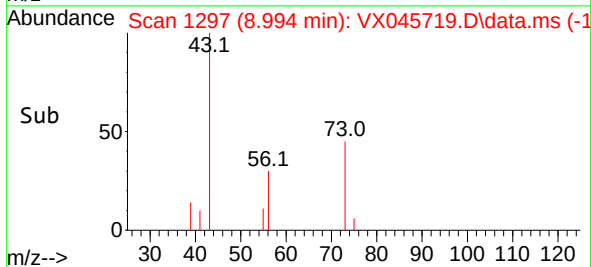
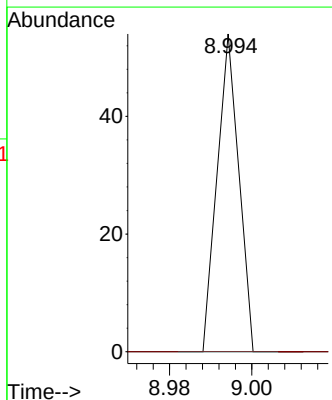
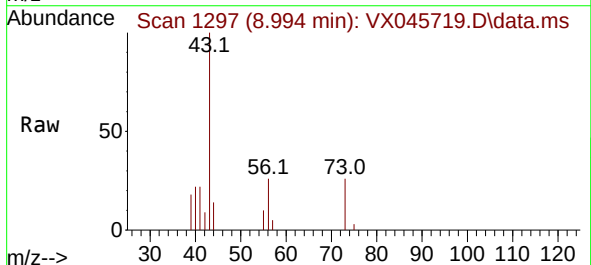
Instrument :
MSVOA_X
ClientSampleId :
WC-1

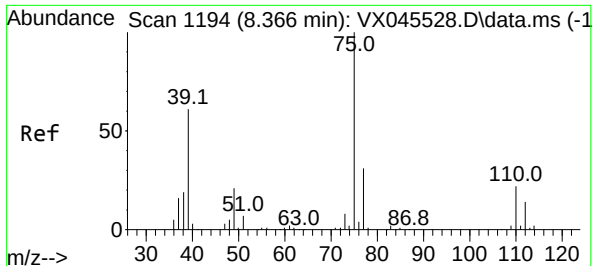
Tgt Ion: 43 Resp: 35742
Ion Ratio Lower Upper
43 100
58 5.3 28.5 42.7#



#53
t-1,3-Dichloropropene
Concen: 2.303 ug/l
RT: 8.994 min Scan# 1297
Delta R.T. 0.018 min
Lab File: VX045719.D
Acq: 11 Apr 2025 06:19

Tgt Ion: 75 Resp: 20
Ion Ratio Lower Upper
75 100
77 0.0 25.4 38.0#

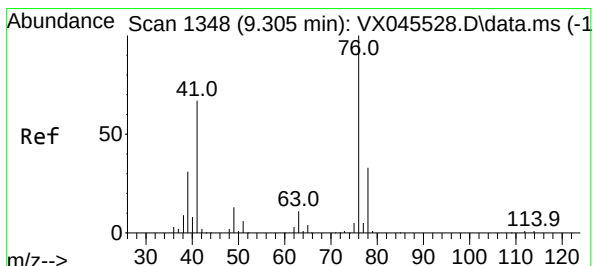
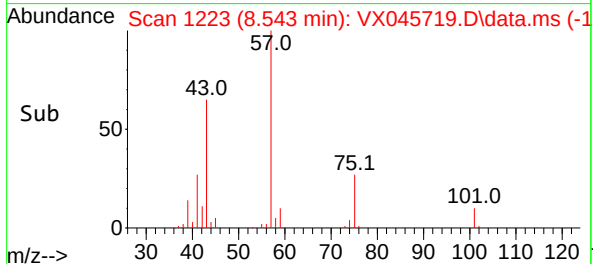
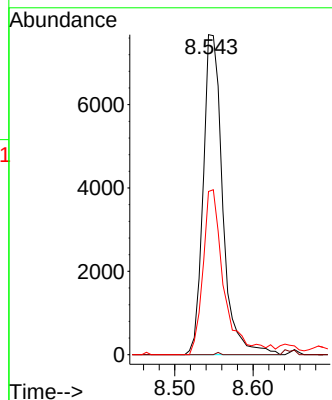
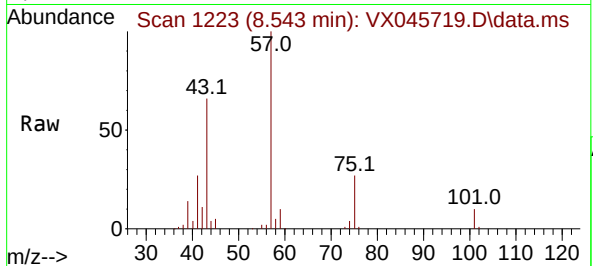




#54
 cis-1,3-Dichloropropene
 Concen: 9.692 ug/l
 RT: 8.543 min Scan# 1194
 Delta R.T. 0.177 min
 Lab File: VX045719.D
 Acq: 11 Apr 2025 06:19

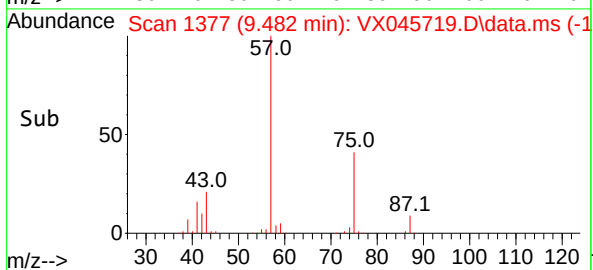
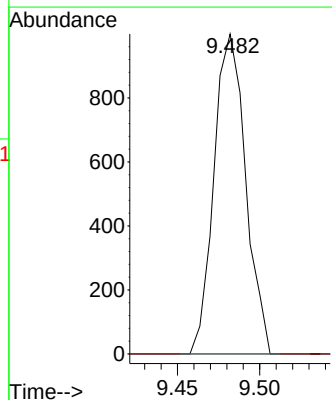
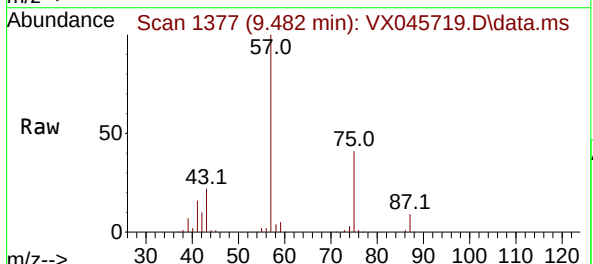
Instrument :
 MSVOA_X
 ClientSampleId :
 WC-1

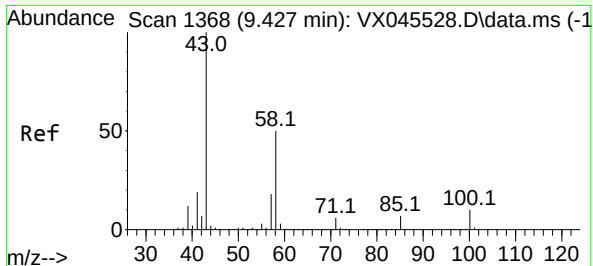
Tgt Ion: 75 Resp: 13253
 Ion Ratio Lower Upper
 75 100
 77 0.0 24.6 36.8#
 39 51.0 48.4 72.6



#57
 1,3-Dichloropropane
 Concen: 0.839 ug/l
 RT: 9.482 min Scan# 1377
 Delta R.T. 0.177 min
 Lab File: VX045719.D
 Acq: 11 Apr 2025 06:19

Tgt Ion: 76 Resp: 1340
 Ion Ratio Lower Upper
 76 100
 78 0.0 26.0 39.0#

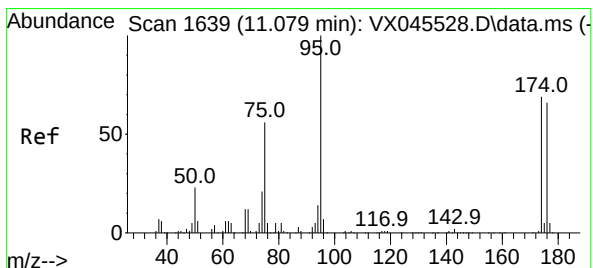
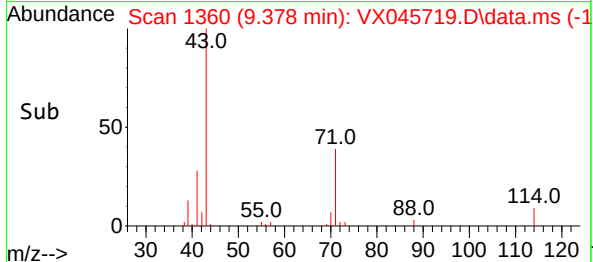
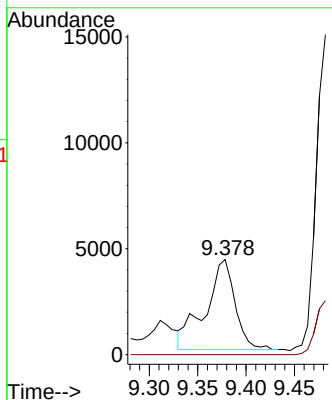
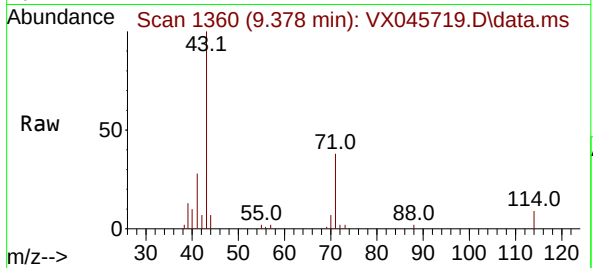




#59
2-Hexanone
Concen: 7.773 ug/l
RT: 9.378 min Scan# 11
Delta R.T. -0.049 min
Lab File: VX045719.D
Acq: 11 Apr 2025 06:19

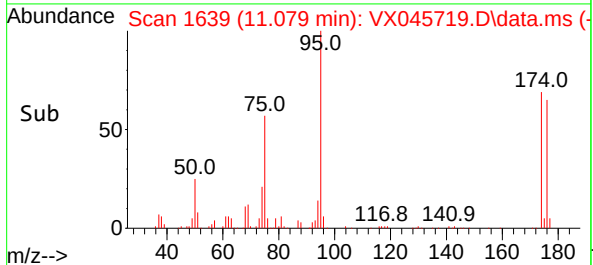
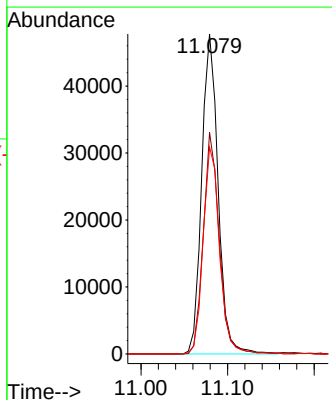
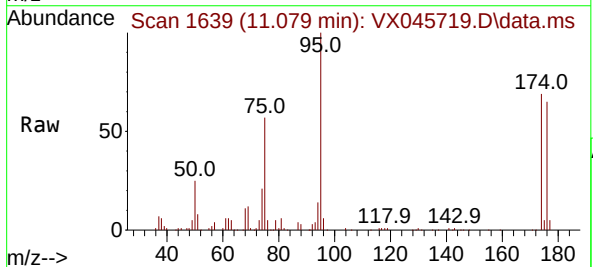
Instrument :
MSVOA_X
ClientSampleId :
WC-1

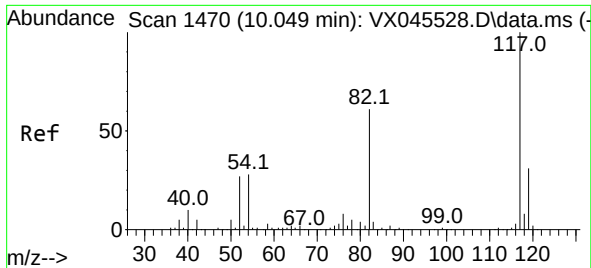
Tgt Ion: 43 Resp: 9079
Ion Ratio Lower Upper
43 100
58 0.0 24.9 74.6#



#62
4-Bromofluorobenzene
Concen: 53.677 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX045719.D
Acq: 11 Apr 2025 06:19

Tgt Ion: 95 Resp: 62959
Ion Ratio Lower Upper
95 100
174 67.2 0.0 135.8
176 64.7 0.0 131.4

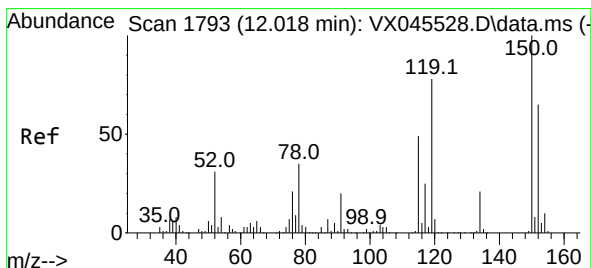
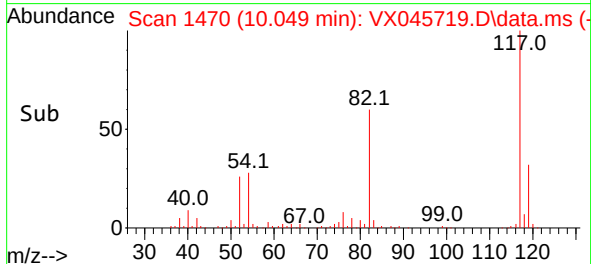
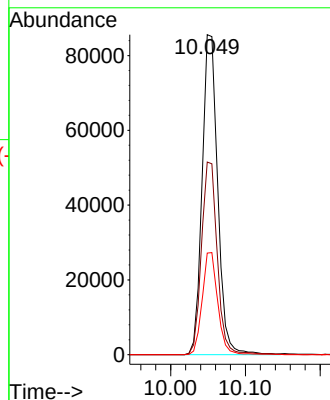
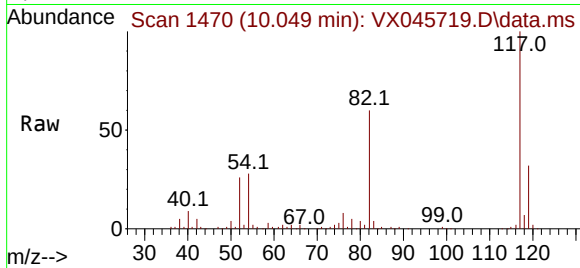




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 1470
Delta R.T. -0.000 min
Lab File: VX045719.D
Acq: 11 Apr 2025 06:19

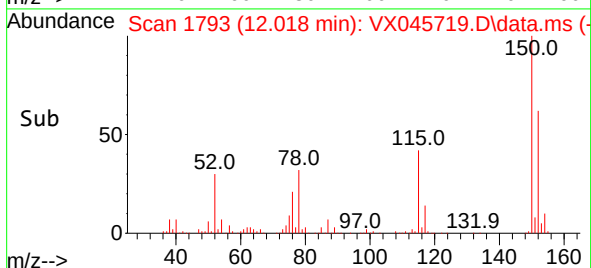
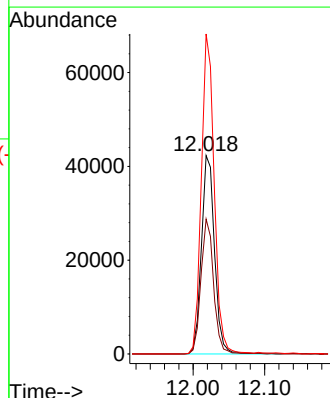
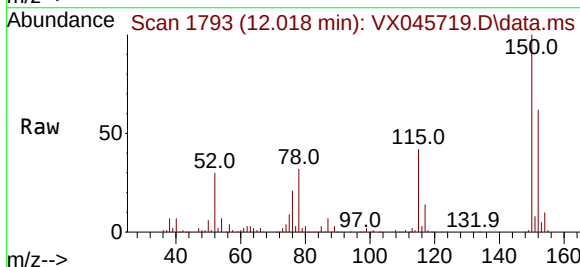
Instrument :
MSVOA_X
ClientSampleId :
WC-1

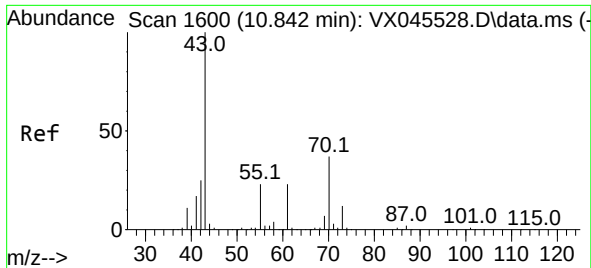
Tgt Ion:117 Resp: 124115
Ion Ratio Lower Upper
117 100
82 60.2 49.2 73.8
119 31.8 25.1 37.7



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VX045719.D
Acq: 11 Apr 2025 06:19

Tgt Ion:152 Resp: 53936
Ion Ratio Lower Upper
152 100
115 65.7 46.9 140.7
150 158.0 0.0 349.4

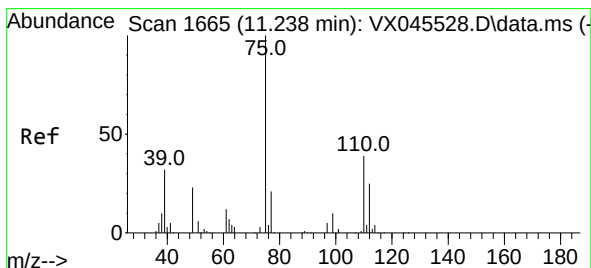
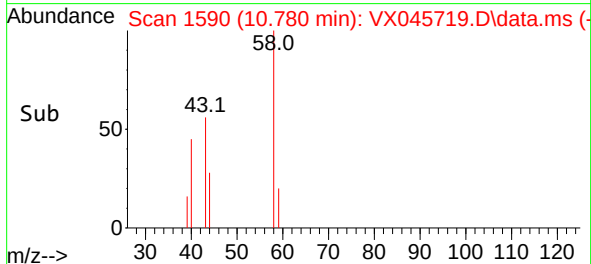
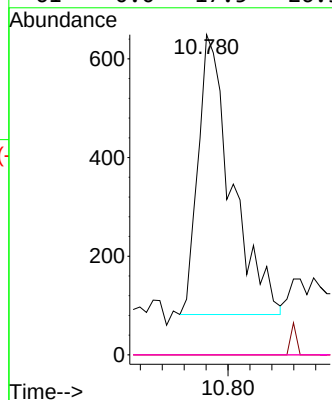
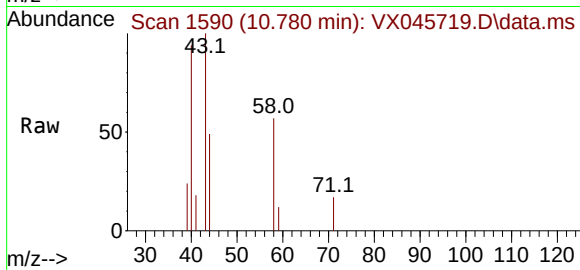




#74
N-amy1 acetate
Concen: 0.582 ug/l
RT: 10.780 min Scan# 1639
Delta R.T. -0.061 min
Lab File: VX045719.D
Acq: 11 Apr 2025 06:19

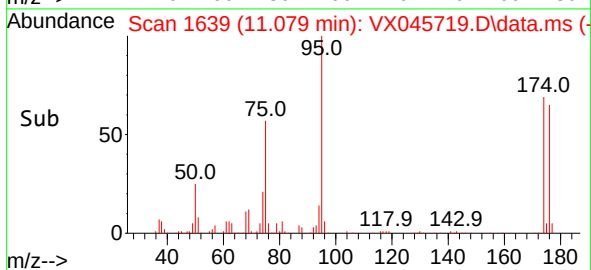
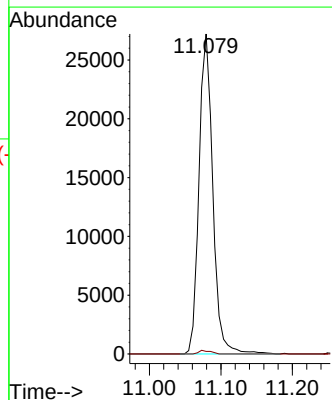
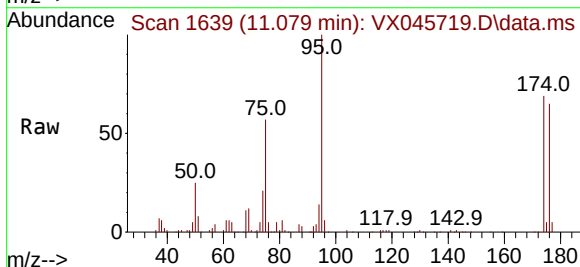
Instrument :
MSVOA_X
ClientSampleId :
WC-1

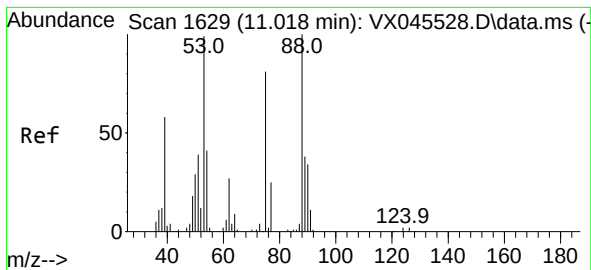
Tgt Ion:	43	Resp:	1203
Ion	Ratio	Lower	Upper
43	100		
70	0.0	30.1	45.1#
55	0.0	18.3	27.5#
61	0.0	17.5	26.3#



#76
1,2,3-Trichloropropane
Concen: 27.659 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX045719.D
Acq: 11 Apr 2025 06:19

Tgt Ion:	75	Resp:	36389
Ion	Ratio	Lower	Upper
75	100		
77	0.9	20.0	59.9#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 93.871 ug/l
 RT: 11.079 min Scan# 1639
 Delta R.T. 0.061 min
 Lab File: VX045719.D
 Acq: 11 Apr 2025 06:19

Instrument :
 MSVOA_X
 ClientSampleId :
 WC-1

Tgt Ion: 75 Resp: 36389
 Ion Ratio Lower Upper
 75 100
 53 0.0 101.8 152.6#
 89 0.0 37.2 55.8#

