

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX042825\
 Data File : VX045954.D
 Acq On : 28 Apr 2025 14:17
 Operator : JC/MD
 Sample : Q1874-04
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 RT1491

Quant Time: Apr 29 01:34:07 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)

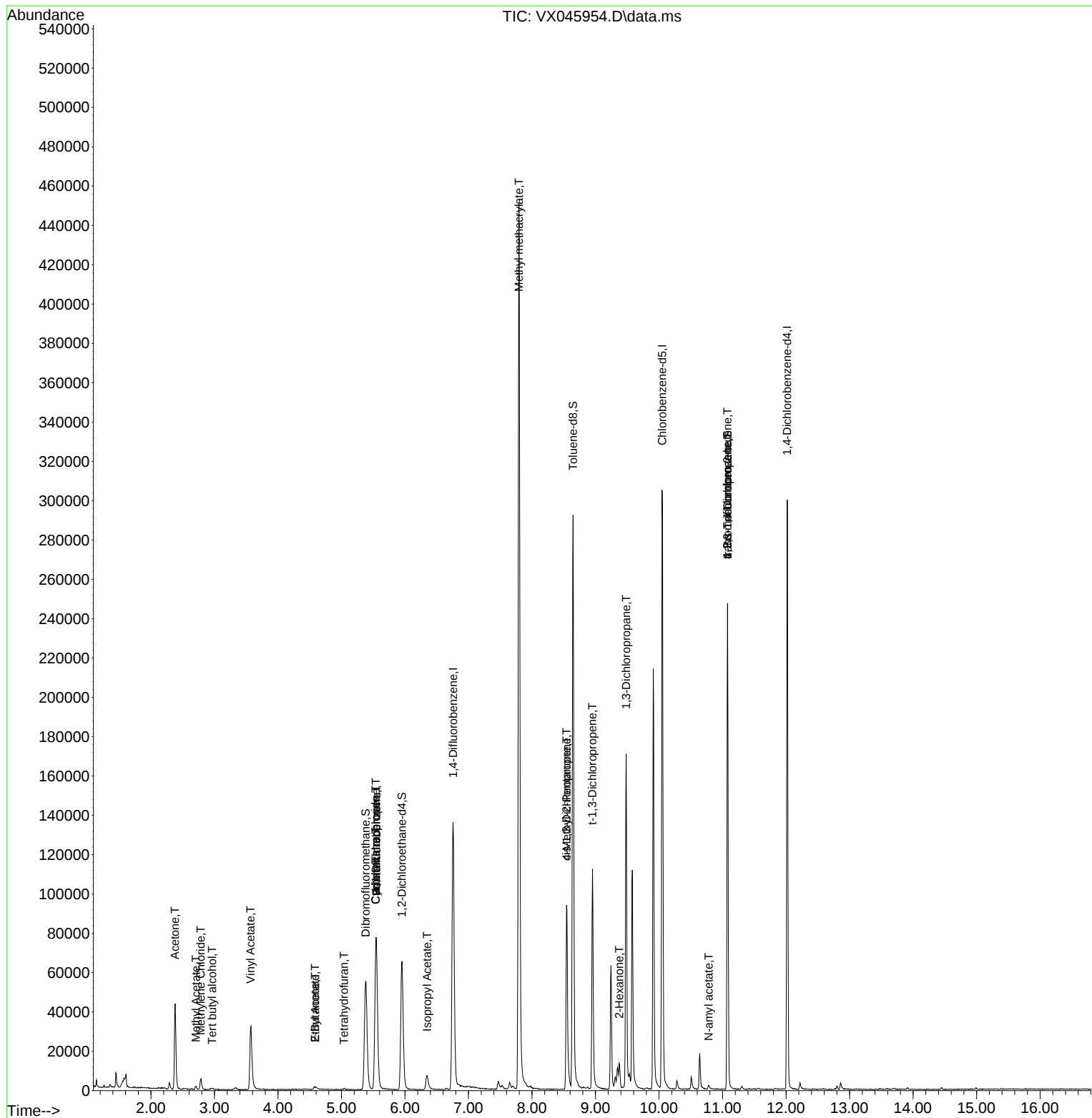
Internal Standards						
1) Pentafluorobenzene	5.550	168	66040	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	130914	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	126227	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	53045	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	67804	56.143	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 112.280%	
35) Dibromofluoromethane	5.379	113	48839	52.581	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 105.160%	
50) Toluene-d8	8.647	98	168274	51.904	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 103.800%	
62) 4-Bromofluorobenzene	11.079	95	64304	54.453	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 108.900%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	2.965	59	666	4.103	ug/l #	72
16) Acetone	2.380	43	48205	97.204	ug/l	99
18) Methyl Acetate	2.709	43	1899	1.663	ug/l	99
20) Methylene Chloride	2.782	84	2462	2.652	ug/l	95
23) Vinyl Acetate	3.568	43	631	0.246	ug/l #	74
25) 2-Butanone	4.586	43	3787	5.217	ug/l	92
29) Tetrahydrofuran	5.038	42	359	0.763	ug/l #	35
31) Cyclohexane	5.537	56	2125	1.434	ug/l #	26
36) 1,1-Dichloropropene	5.544	75	6549	5.222	ug/l #	50
37) Ethyl Acetate	4.586	43	3787	2.396	ug/l #	71
38) Carbon Tetrachloride	5.537	117	7886	5.818	ug/l #	15
43) Isopropyl Acetate	6.348	43	11292	4.714	ug/l	99
48) Methyl methacrylate	7.793	41	45657	36.916	ug/l #	50
51) 4-Methyl-2-Pentanone	8.543	43	39272	24.731	ug/l #	48
53) t-1,3-Dichloropropene	8.951	75	176	2.408	ug/l #	43
54) cis-1,3-Dichloropropene	8.543	75	14020	10.183	ug/l #	71
57) 1,3-Dichloropropane	9.482	76	1487	0.925	ug/l #	42
59) 2-Hexanone	9.372	43	12219	10.391	ug/l #	28
74) N-amyl acetate	10.780	43	1611	0.793	ug/l #	47
76) 1,2,3-Trichloropropane	11.079	75	36826	28.461	ug/l #	37
81) trans-1,4-Dichloro-2-b...	11.079	75	36826	96.594	ug/l #	1

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

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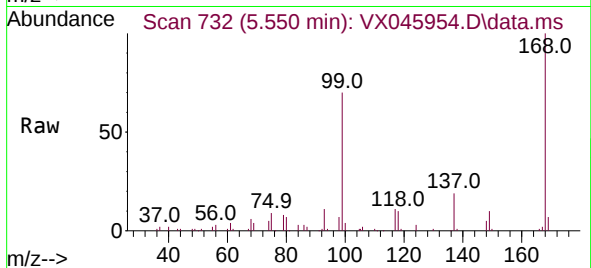
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X040225W.M
Quant Title : SW846 8260
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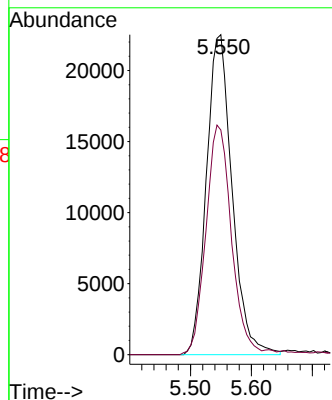
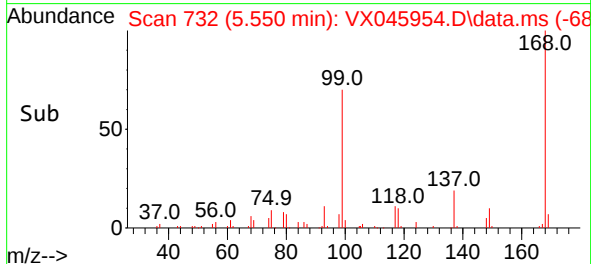


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX045954.D
Acq: 28 Apr 2025 14:17

Instrument :
MSVOA_X
ClientSampleId :
RT1491

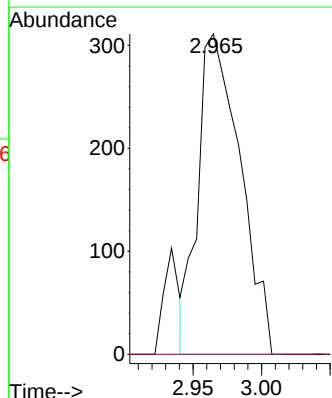
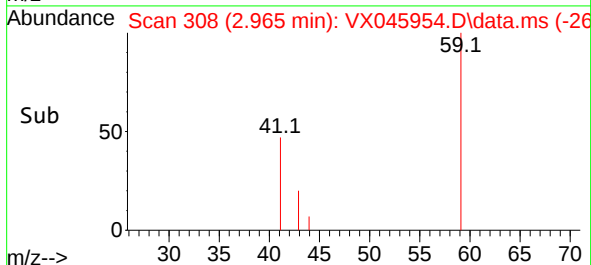
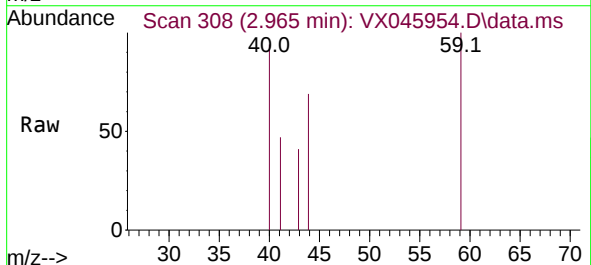


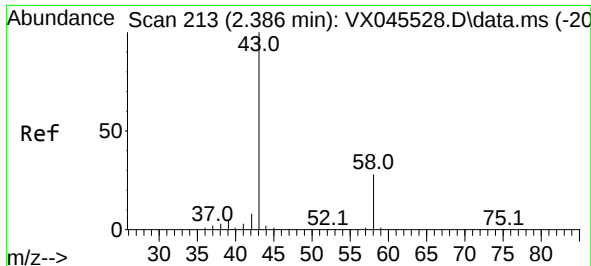
Tgt Ion:168 Resp: 66040
Ion Ratio Lower Upper
168 100
99 70.2 52.3 78.5



#11
Tert butyl alcohol
Concen: 4.103 ug/l
RT: 2.965 min Scan# 308
Delta R.T. -0.012 min
Lab File: VX045954.D
Acq: 28 Apr 2025 14:17

Tgt Ion: 59 Resp: 666
Ion Ratio Lower Upper
59 100
57 0.0 8.6 12.8#

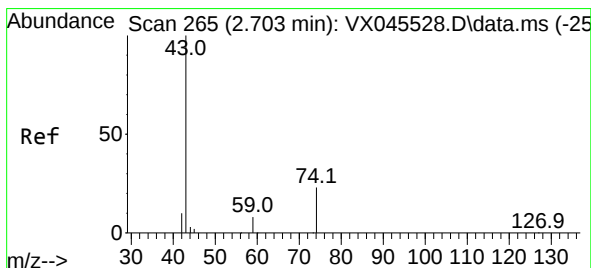
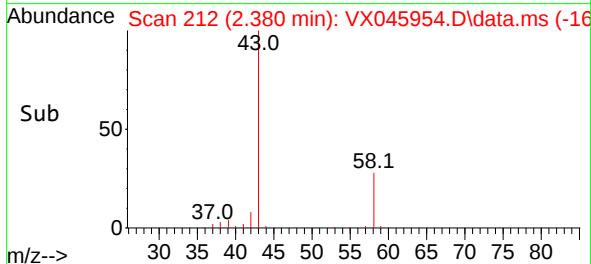
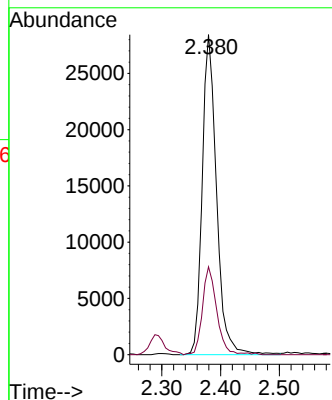
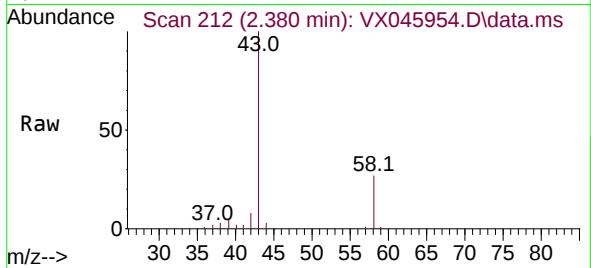




#16
Acetone
Concen: 97.204 ug/l
RT: 2.380 min Scan# 213
Delta R.T. -0.006 min
Lab File: VX045954.D
Acq: 28 Apr 2025 14:17

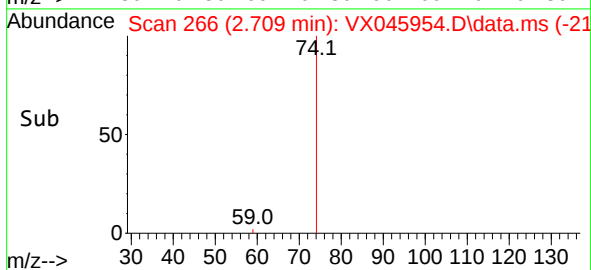
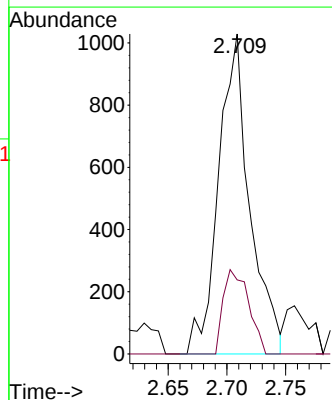
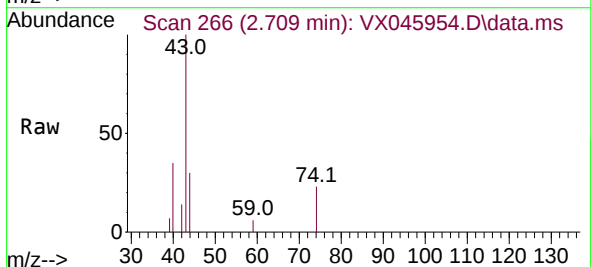
Instrument :
MSVOA_X
ClientSampleId :
RT1491

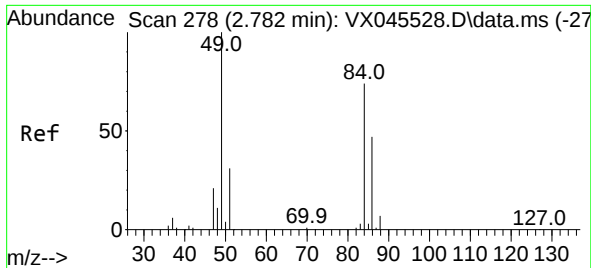
Tgt Ion: 43 Resp: 48205
Ion Ratio Lower Upper
43 100
58 27.4 22.3 33.5



#18
Methyl Acetate
Concen: 1.663 ug/l
RT: 2.709 min Scan# 266
Delta R.T. 0.006 min
Lab File: VX045954.D
Acq: 28 Apr 2025 14:17

Tgt Ion: 43 Resp: 1899
Ion Ratio Lower Upper
43 100
74 21.4 17.5 26.3

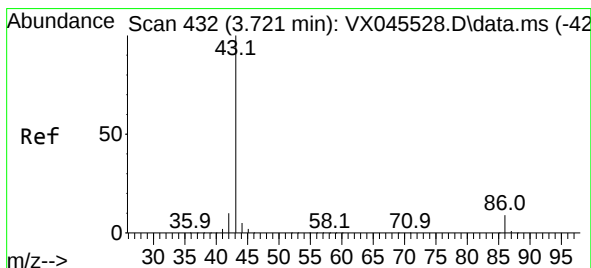
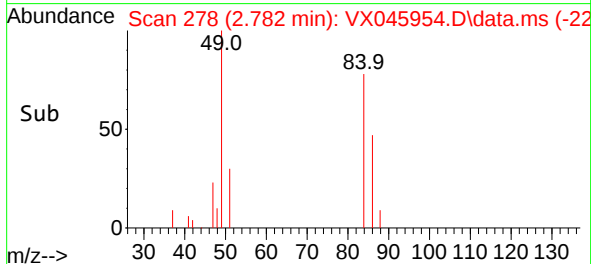
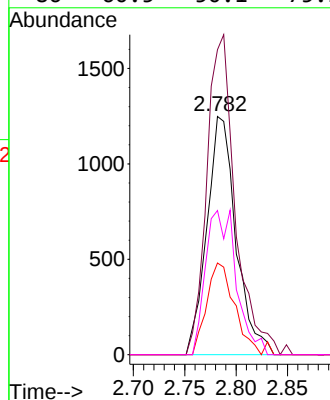
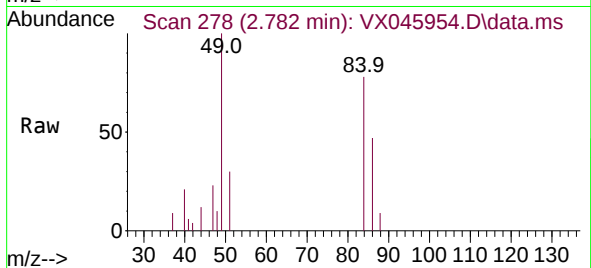




#20
Methylene Chloride
Concen: 2.652 ug/l
RT: 2.782 min Scan# 21
Delta R.T. -0.000 min
Lab File: VX045954.D
Acq: 28 Apr 2025 14:17

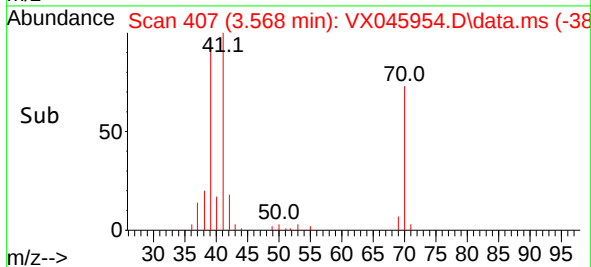
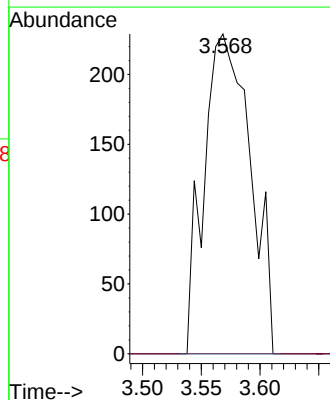
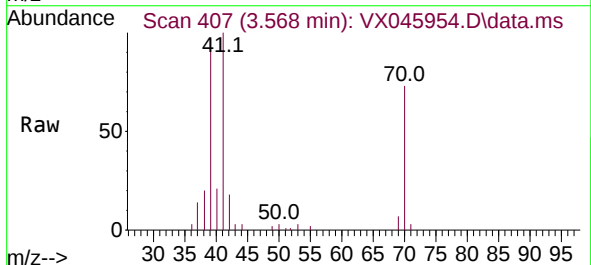
Instrument :
MSVOA_X
ClientSampleId :
RT1491

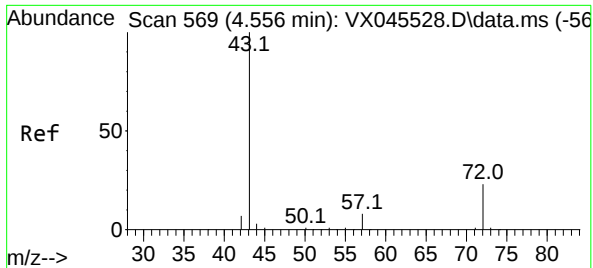
Tgt Ion:	84	Resp:	2462
Ion	Ratio	Lower	Upper
84	100		
49	127.9	107.5	161.3
51	38.5	33.0	49.6
86	60.5	50.1	75.1



#23
Vinyl Acetate
Concen: 0.246 ug/l
RT: 3.568 min Scan# 407
Delta R.T. -0.153 min
Lab File: VX045954.D
Acq: 28 Apr 2025 14:17

Tgt Ion:	43	Resp:	631
Ion	Ratio	Lower	Upper
43	100		
86	0.0	7.5	11.3#

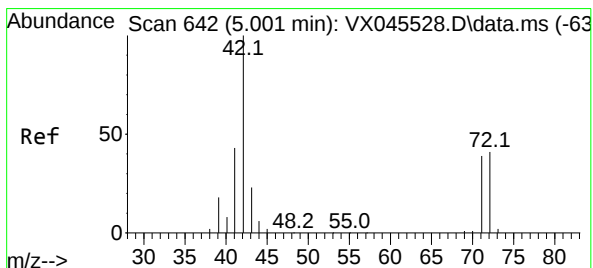
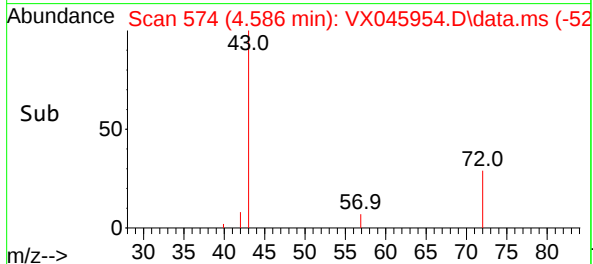
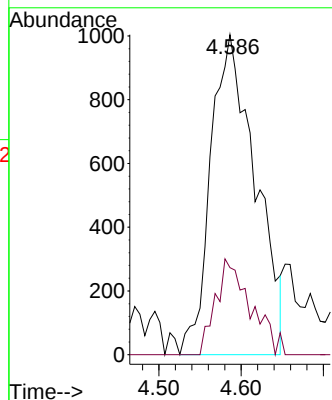
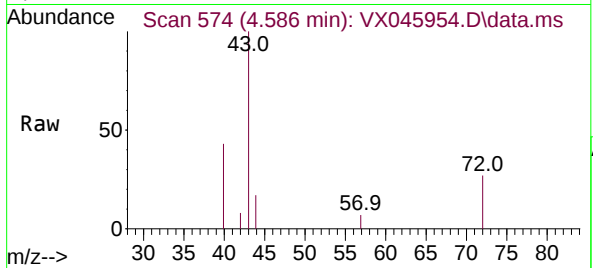




#25
2-Butanone
Concen: 5.217 ug/l
RT: 4.586 min Scan# 51
Delta R.T. 0.030 min
Lab File: VX045954.D
Acq: 28 Apr 2025 14:17

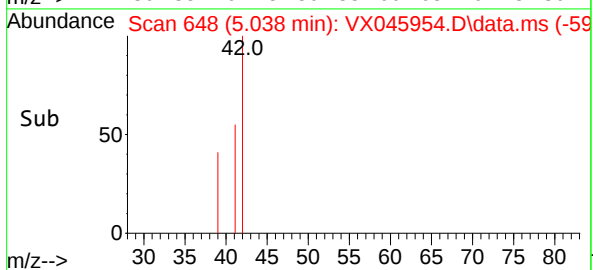
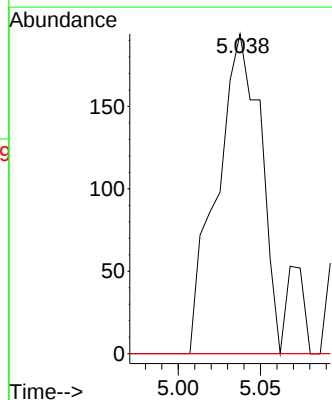
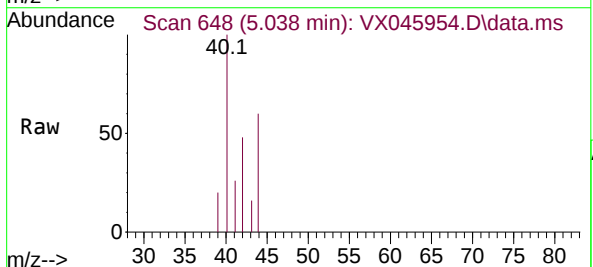
Instrument :
MSVOA_X
ClientSampleId :
RT1491

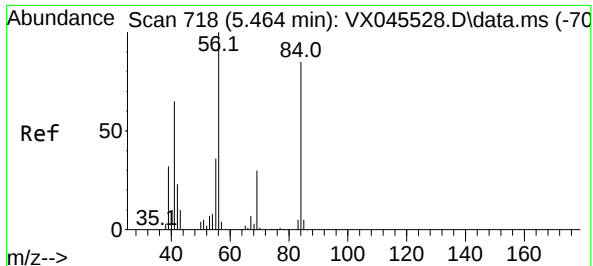
Tgt Ion: 43 Resp: 3787
Ion Ratio Lower Upper
43 100
72 27.2 18.6 28.0



#29
Tetrahydrofuran
Concen: 0.763 ug/l
RT: 5.038 min Scan# 648
Delta R.T. 0.036 min
Lab File: VX045954.D
Acq: 28 Apr 2025 14:17

Tgt Ion: 42 Resp: 359
Ion Ratio Lower Upper
42 100
72 0.0 33.4 50.0#
71 0.0 31.4 47.0#

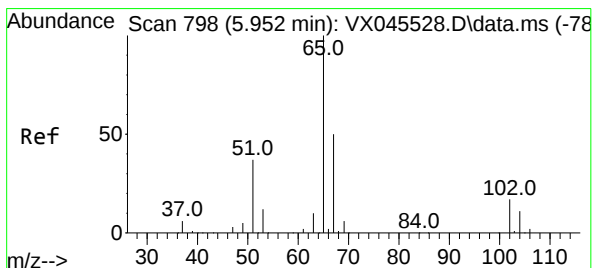
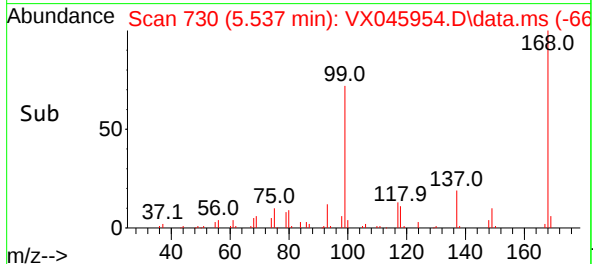
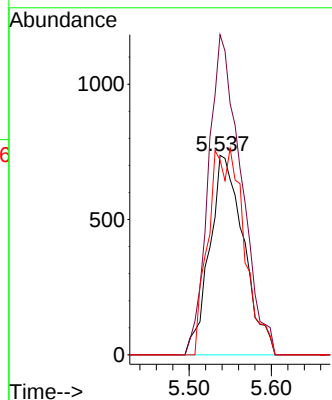
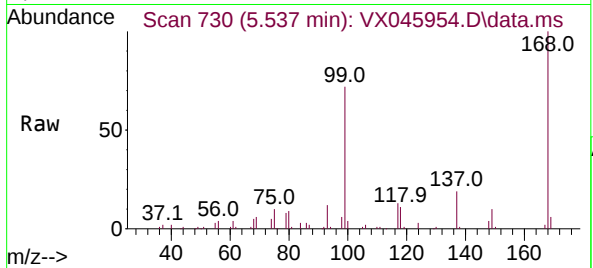




#31
Cyclohexane
Concen: 1.434 ug/l
RT: 5.537 min Scan# 718
Delta R.T. 0.073 min
Lab File: VX045954.D
Acq: 28 Apr 2025 14:17

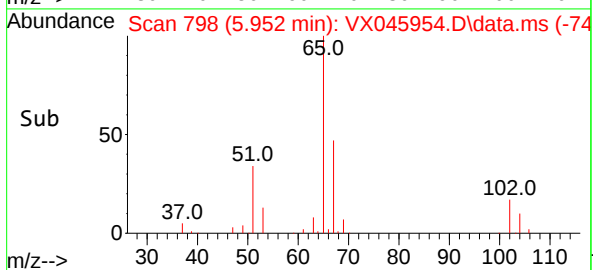
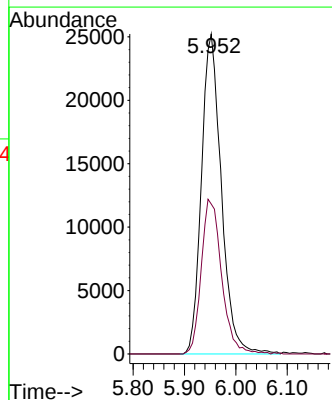
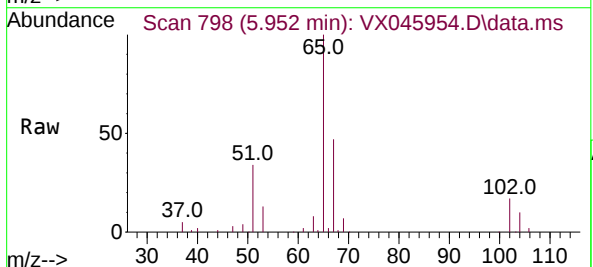
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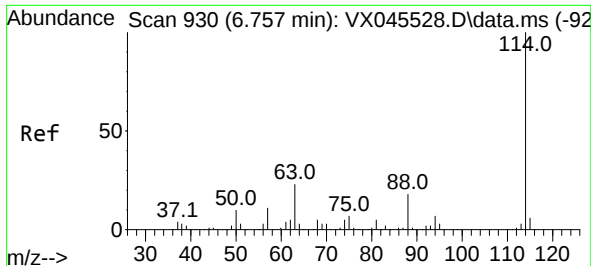
Tgt Ion: 56 Resp: 2125
Ion Ratio Lower Upper
56 100
69 160.5 23.6 35.4#
84 97.7 67.7 101.5



#33
1,2-Dichloroethane-d4
Concen: 56.143 ug/l
RT: 5.952 min Scan# 798
Delta R.T. -0.000 min
Lab File: VX045954.D
Acq: 28 Apr 2025 14:17

Tgt Ion: 65 Resp: 67804
Ion Ratio Lower Upper
65 100
67 49.5 0.0 99.0

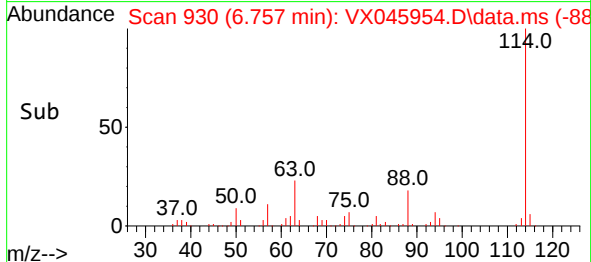
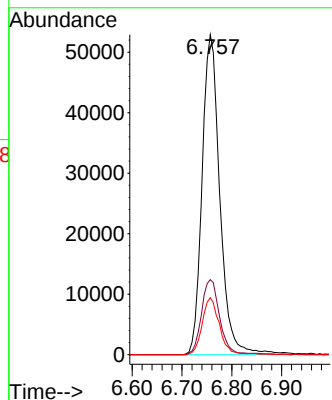
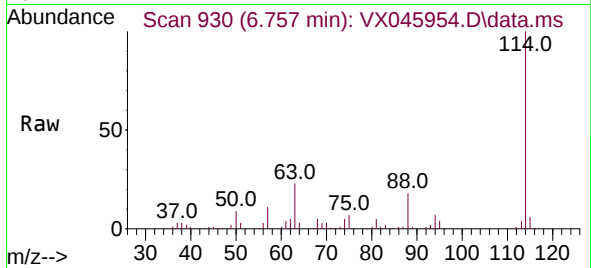




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 914
Delta R.T. -0.000 min
Lab File: VX045954.D
Acq: 28 Apr 2025 14:17

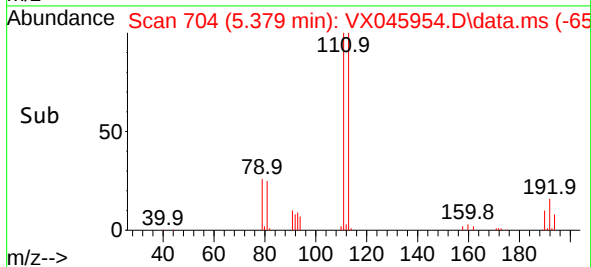
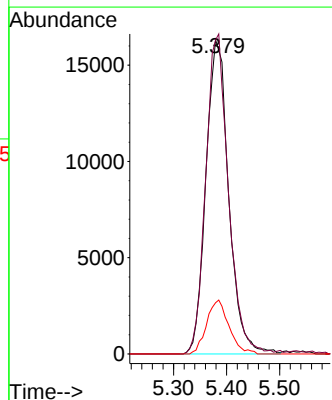
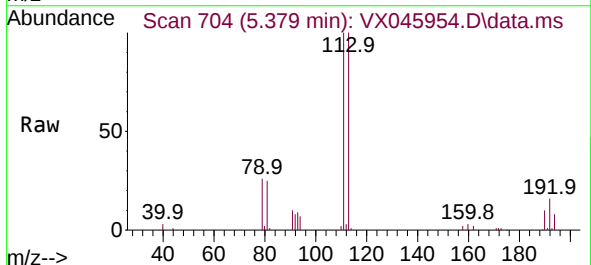
Instrument :
MSVOA_X
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Tgt Ion:114 Resp: 130914
Ion Ratio Lower Upper
114 100
63 23.4 0.0 46.8
88 17.8 0.0 35.4



#35
Dibromofluoromethane
Concen: 52.581 ug/l
RT: 5.379 min Scan# 704
Delta R.T. -0.000 min
Lab File: VX045954.D
Acq: 28 Apr 2025 14:17

Tgt Ion:113 Resp: 48839
Ion Ratio Lower Upper
113 100
111 101.0 81.8 122.6
192 16.8 13.8 20.6





#36

1,1-Dichloropropene

Concen: 5.222 ug/l

RT: 5.544 min Scan# 71

Delta R.T. -0.140 min

Lab File: VX045954.D

Acq: 28 Apr 2025 14:17

Instrument :

MSVOA_X

ClientSampleId :

RT1491

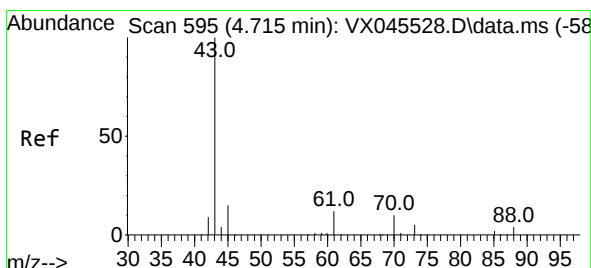
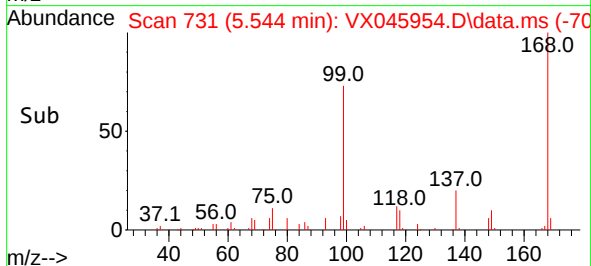
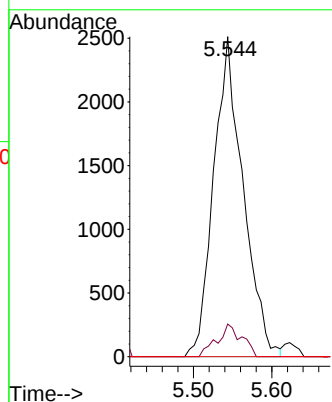
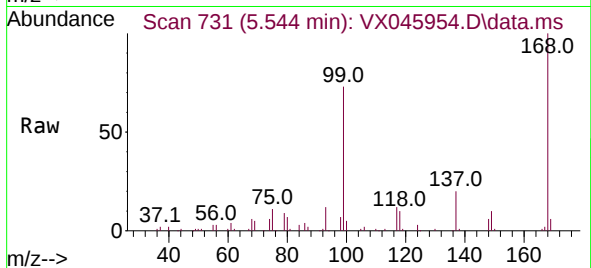
Tgt Ion: 75 Resp: 6549

Ion Ratio Lower Upper

75 100

110 8.5 16.9 50.6#

77 0.0 25.0 37.4#



#37

Ethyl Acetate

Concen: 2.396 ug/l

RT: 4.586 min Scan# 574

Delta R.T. -0.128 min

Lab File: VX045954.D

Acq: 28 Apr 2025 14:17

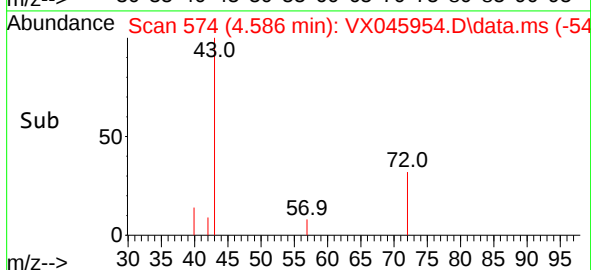
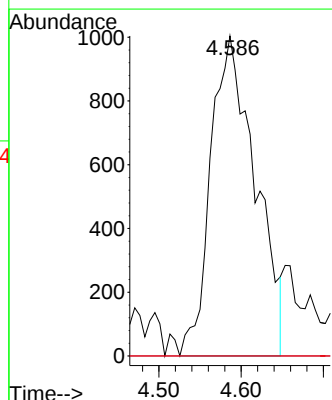
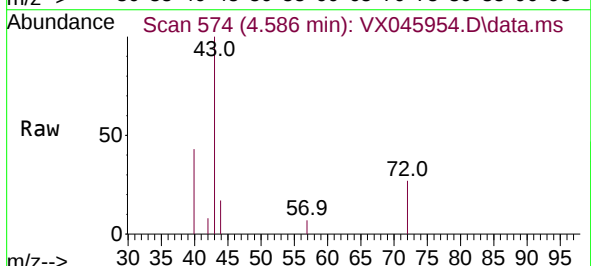
Tgt Ion: 43 Resp: 3787

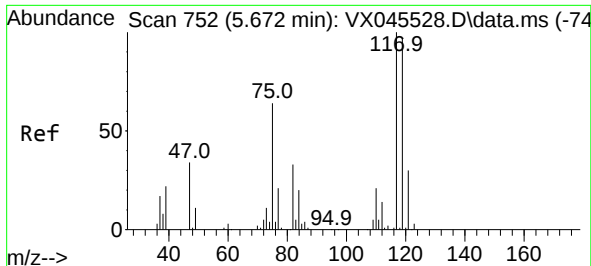
Ion Ratio Lower Upper

43 100

61 0.0 9.9 14.9#

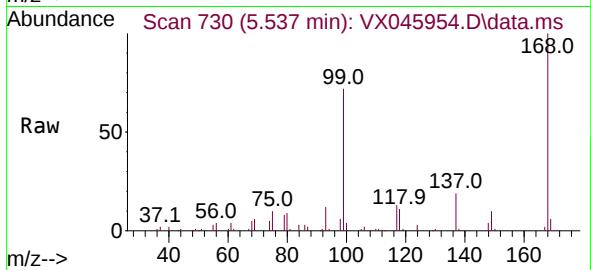
70 0.0 7.5 11.3#



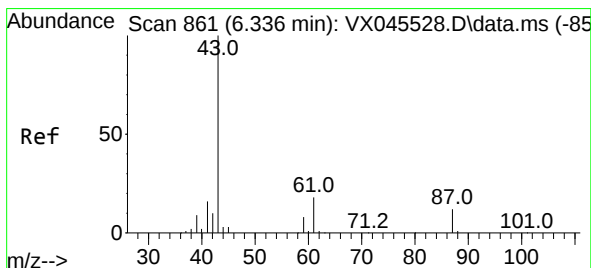
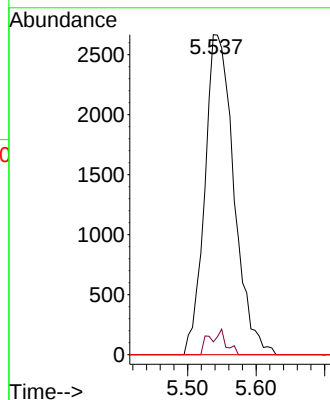
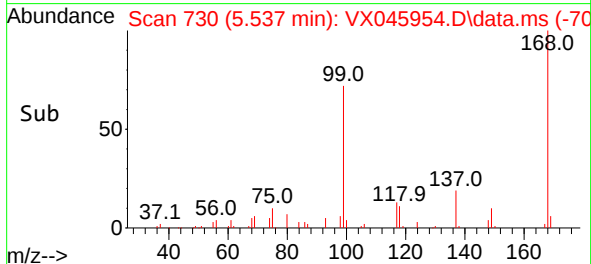


#38
Carbon Tetrachloride
Concen: 5.818 ug/l
RT: 5.537 min Scan# 71
Delta R.T. -0.134 min
Lab File: VX045954.D
Acq: 28 Apr 2025 14:17

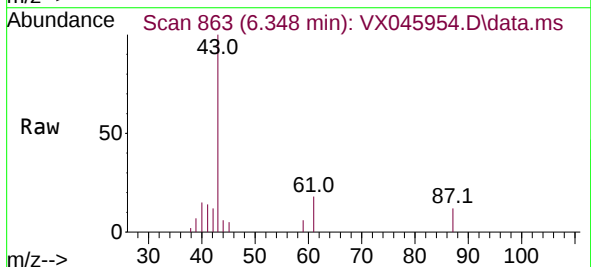
Instrument :
MSVOA_X
ClientSampleId :
RT1491



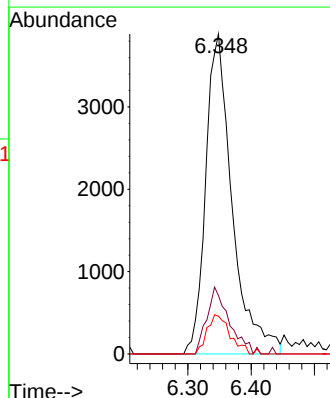
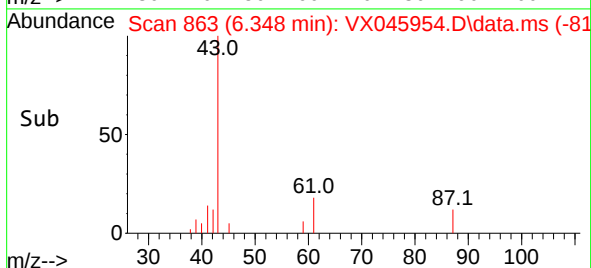
Tgt Ion:117 Resp: 7886
Ion Ratio Lower Upper
117 100
119 4.0 76.9 115.3#
121 0.0 24.2 36.2#

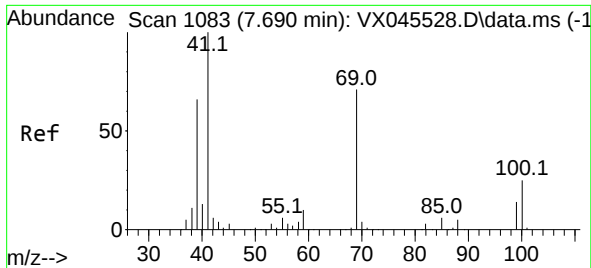


#43
Isopropyl Acetate
Concen: 4.714 ug/l
RT: 6.348 min Scan# 863
Delta R.T. 0.012 min
Lab File: VX045954.D
Acq: 28 Apr 2025 14:17



Tgt Ion: 43 Resp: 11292
Ion Ratio Lower Upper
43 100
61 17.8 14.1 21.1
87 10.6 9.2 13.8

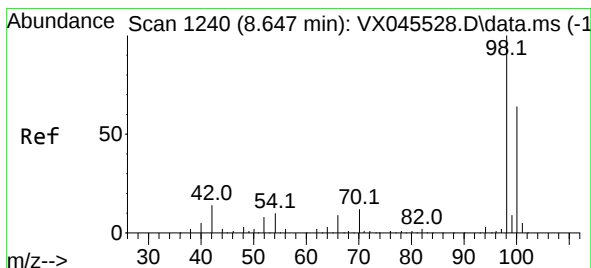
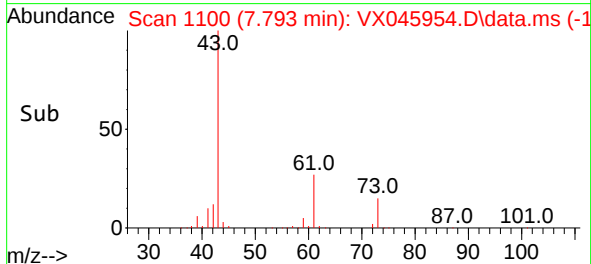
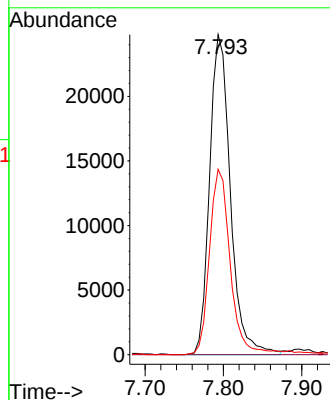
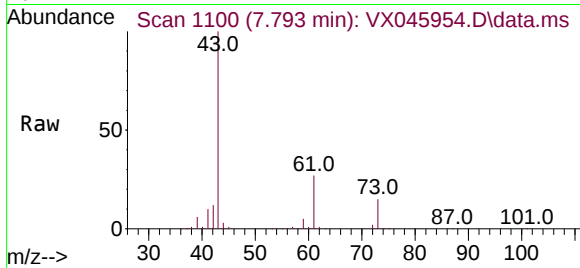




#48
Methyl methacrylate
Concen: 36.916 ug/l
RT: 7.793 min Scan# 1100
Delta R.T. 0.104 min
Lab File: VX045954.D
Acq: 28 Apr 2025 14:17

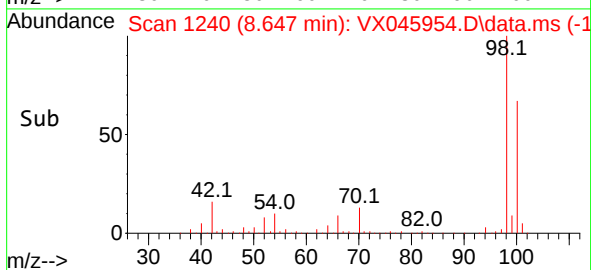
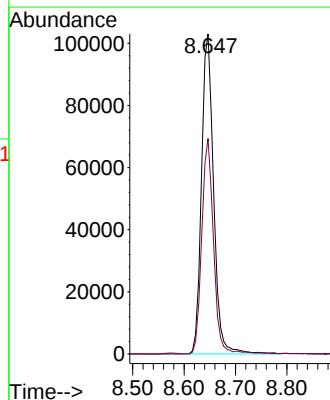
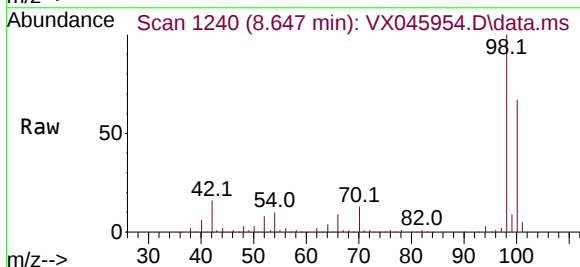
Instrument :
MSVOA_X
ClientSampleId :
RT1491

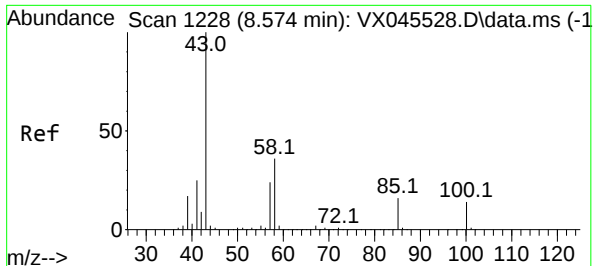
Tgt Ion: 41 Resp: 45657
Ion Ratio Lower Upper
41 100
69 0.0 58.2 87.2#
39 59.1 53.6 80.4



#50
Toluene-d8
Concen: 51.904 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX045954.D
Acq: 28 Apr 2025 14:17

Tgt Ion: 98 Resp: 168274
Ion Ratio Lower Upper
98 100
100 65.5 52.2 78.4

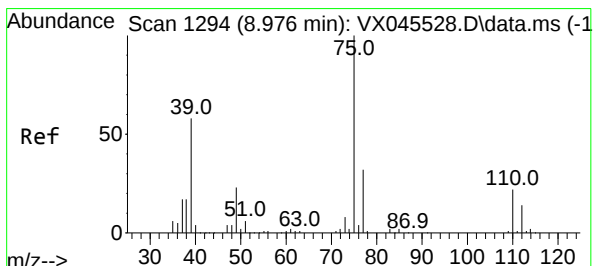
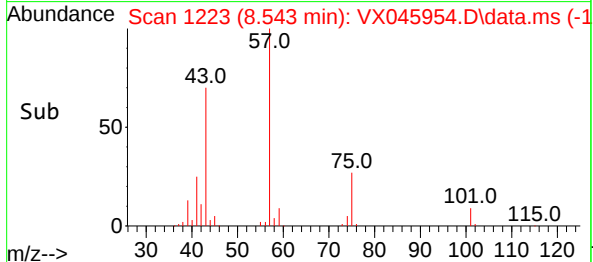
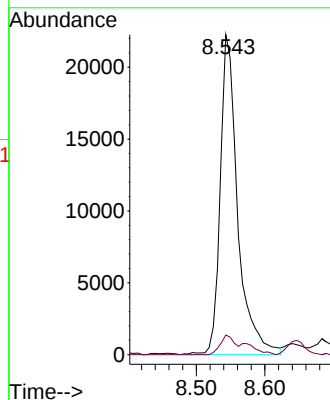
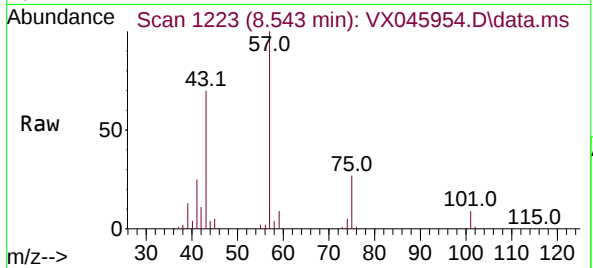




#51
4-Methyl-2-Pentanone
Concen: 24.731 ug/l
RT: 8.543 min Scan# 11
Delta R.T. -0.031 min
Lab File: VX045954.D
Acq: 28 Apr 2025 14:17

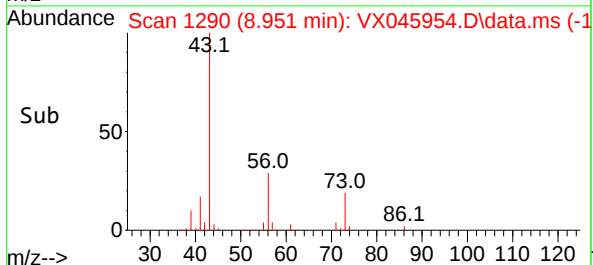
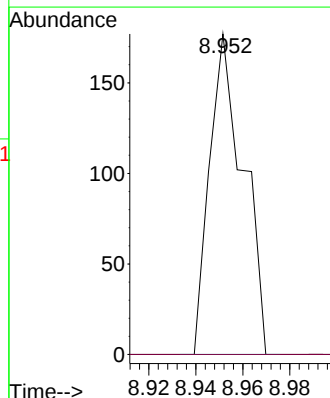
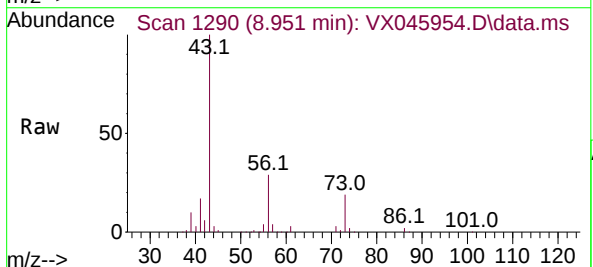
Instrument :
MSVOA_X
ClientSampleId :
RT1491

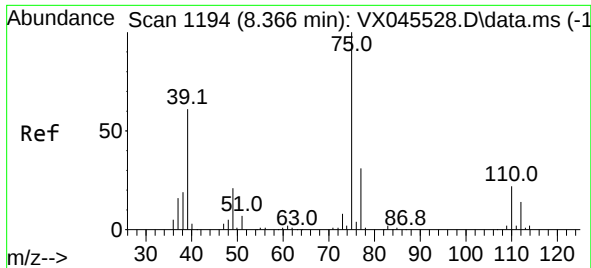
Tgt Ion: 43 Resp: 39272
Ion Ratio Lower Upper
43 100
58 5.1 28.5 42.7#



#53
t-1,3-Dichloropropene
Concen: 2.408 ug/l
RT: 8.951 min Scan# 1290
Delta R.T. -0.025 min
Lab File: VX045954.D
Acq: 28 Apr 2025 14:17

Tgt Ion: 75 Resp: 176
Ion Ratio Lower Upper
75 100
77 0.0 25.4 38.0#

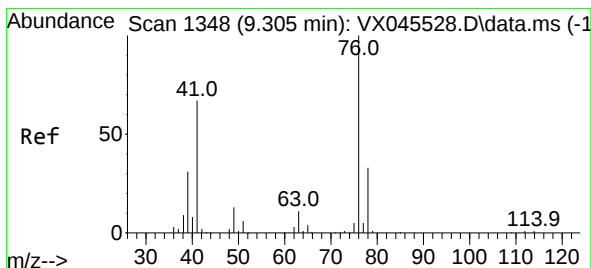
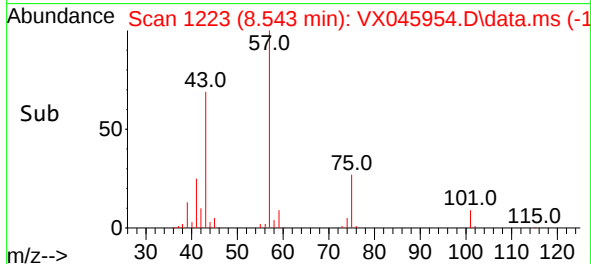
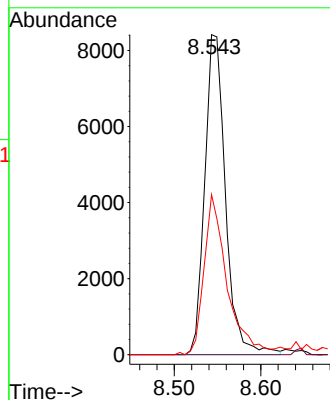
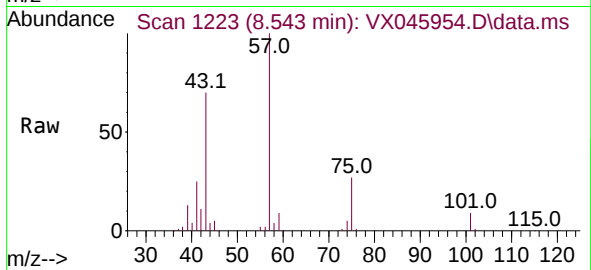




#54
cis-1,3-Dichloropropene
Concen: 10.183 ug/l
RT: 8.543 min Scan# 1194
Delta R.T. 0.177 min
Lab File: VX045954.D
Acq: 28 Apr 2025 14:17

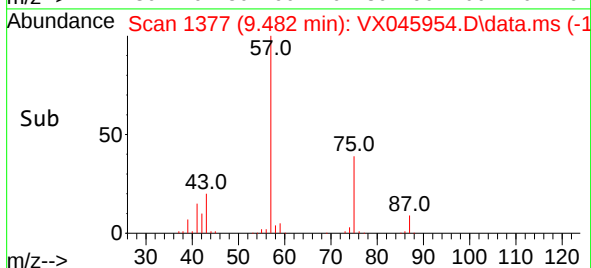
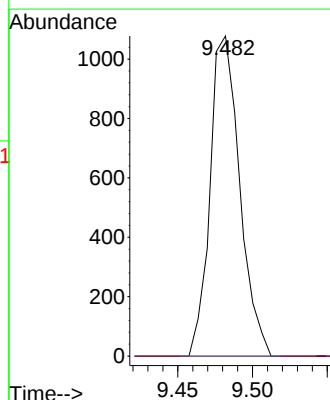
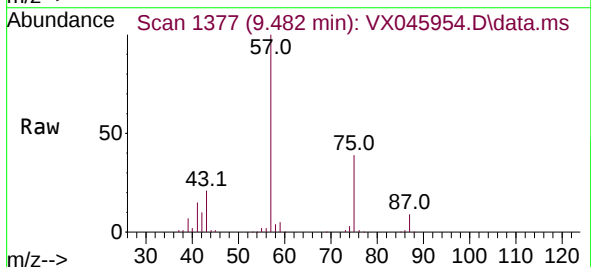
Instrument :
MSVOA_X
ClientSampleId :
RT1491

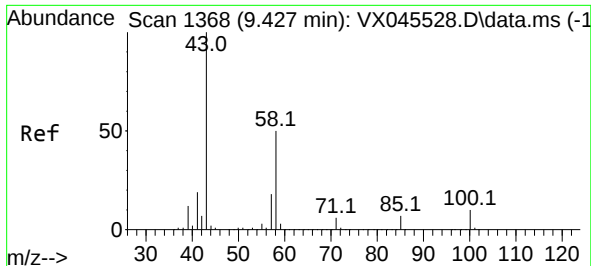
Tgt Ion: 75 Resp: 14020
Ion Ratio Lower Upper
75 100
77 0.0 24.6 36.8#
39 49.3 48.4 72.6



#57
1,3-Dichloropropane
Concen: 0.925 ug/l
RT: 9.482 min Scan# 1377
Delta R.T. 0.177 min
Lab File: VX045954.D
Acq: 28 Apr 2025 14:17

Tgt Ion: 76 Resp: 1487
Ion Ratio Lower Upper
76 100
78 0.0 26.0 39.0#

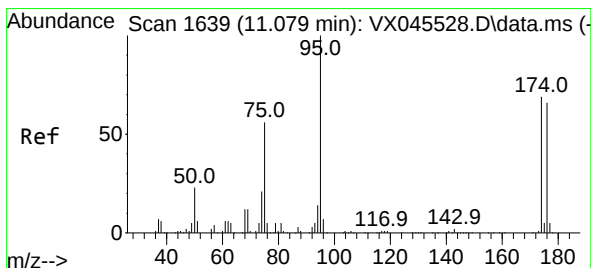
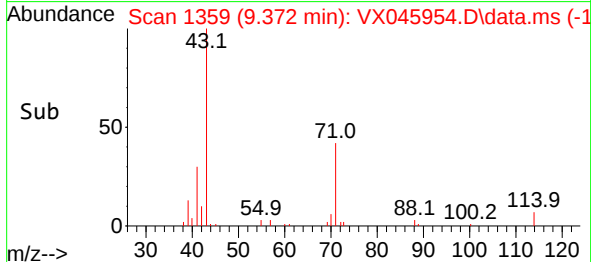
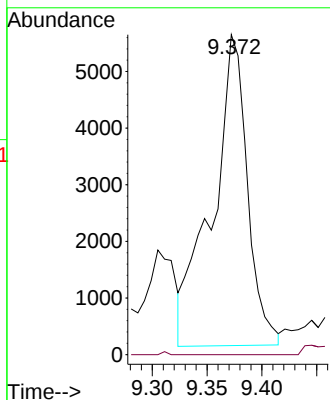
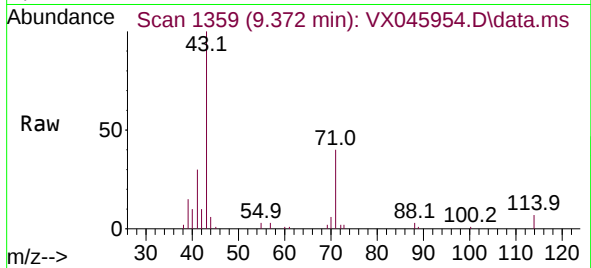




#59
2-Hexanone
Concen: 10.391 ug/l
RT: 9.372 min Scan# 11
Delta R.T. -0.055 min
Lab File: VX045954.D
Acq: 28 Apr 2025 14:17

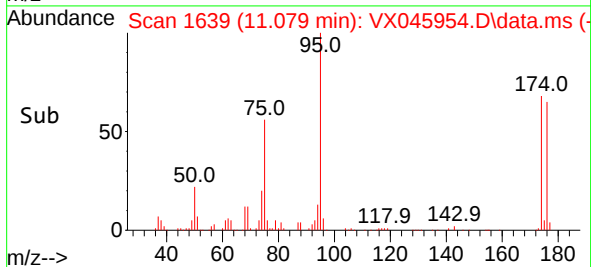
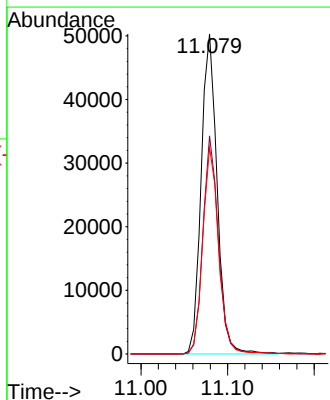
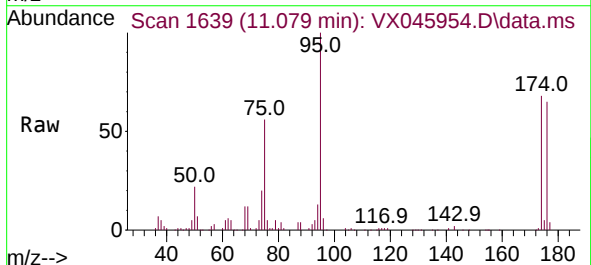
Instrument :
MSVOA_X
ClientSampleId :
RT1491

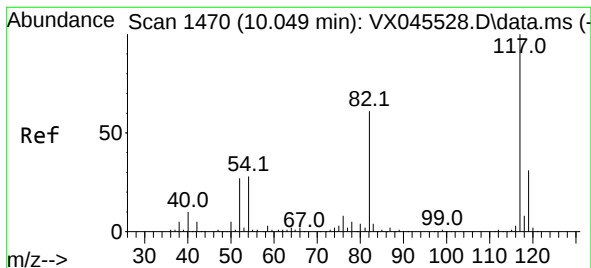
Tgt Ion: 43 Resp: 12219
Ion Ratio Lower Upper
43 100
58 0.0 24.9 74.6#



#62
4-Bromofluorobenzene
Concen: 54.453 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX045954.D
Acq: 28 Apr 2025 14:17

Tgt Ion: 95 Resp: 64304
Ion Ratio Lower Upper
95 100
174 66.3 0.0 135.8
176 64.1 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: VX045954.D

Acq: 28 Apr 2025 14:17

Instrument :

MSVOA_X

ClientSampleId :

RT1491

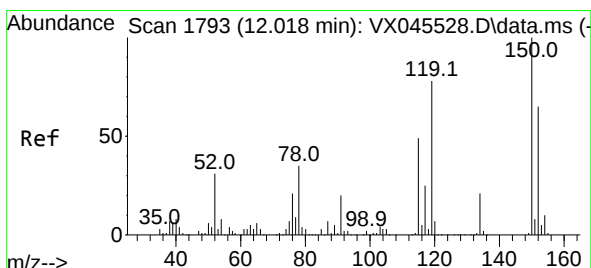
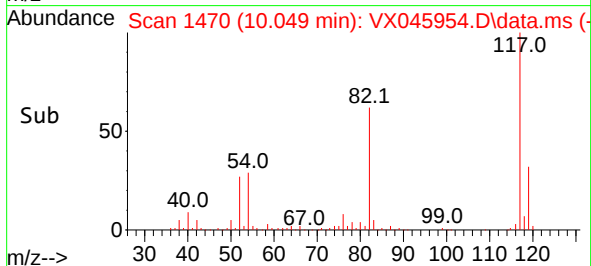
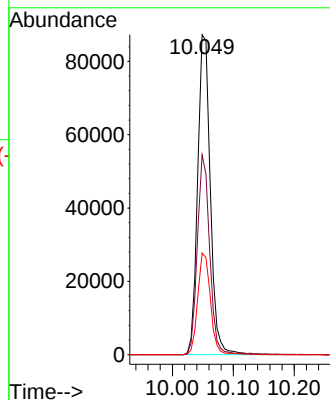
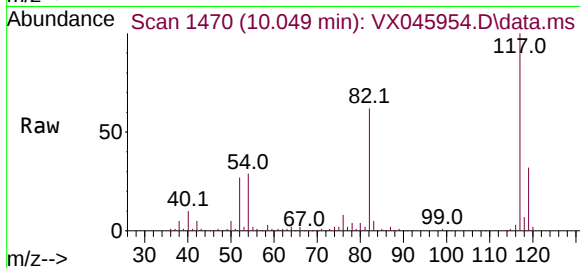
Tgt Ion:117 Resp: 126227

Ion Ratio Lower Upper

117 100

82 62.4 49.2 73.8

119 31.7 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: VX045954.D

Acq: 28 Apr 2025 14:17

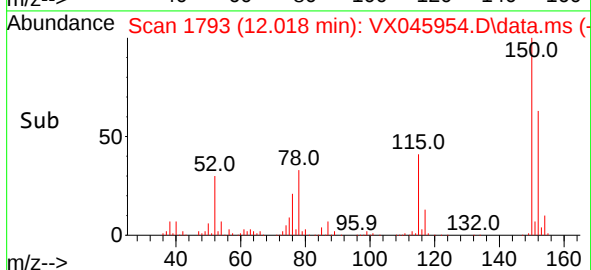
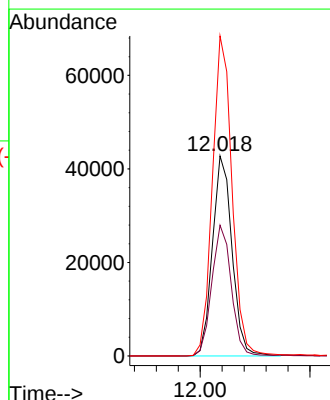
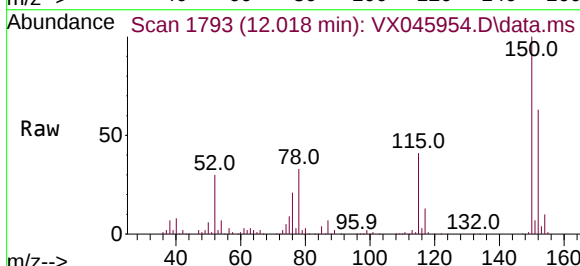
Tgt Ion:152 Resp: 53045

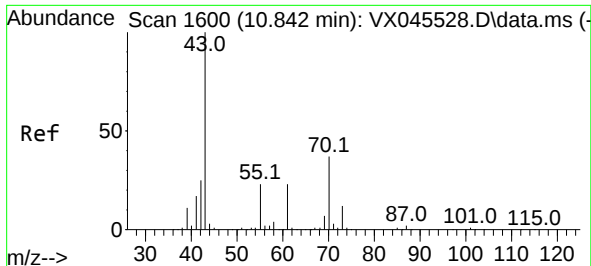
Ion Ratio Lower Upper

152 100

115 65.0 46.9 140.7

150 160.2 0.0 349.4

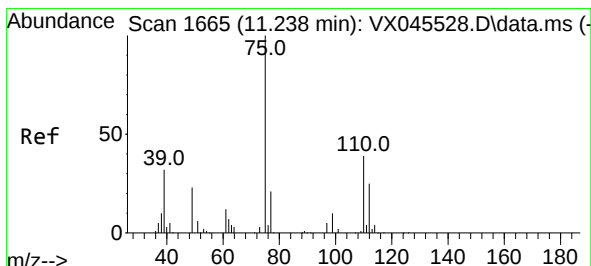
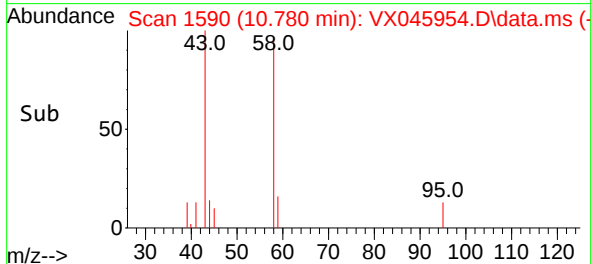
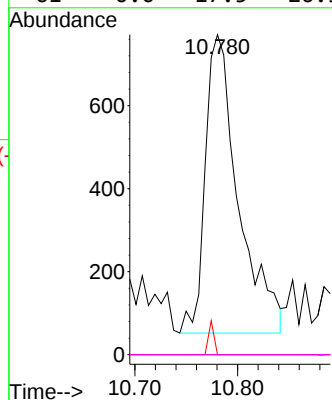
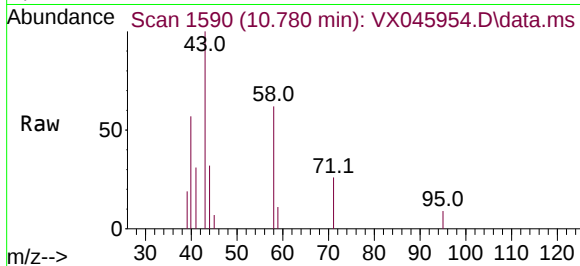




#74
N-amy1 acetate
Concen: 0.793 ug/l
RT: 10.780 min Scan# 1611
Delta R.T. -0.061 min
Lab File: VX045954.D
Acq: 28 Apr 2025 14:17

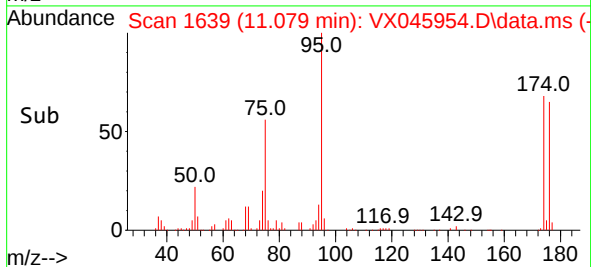
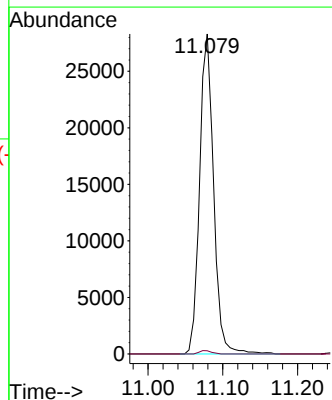
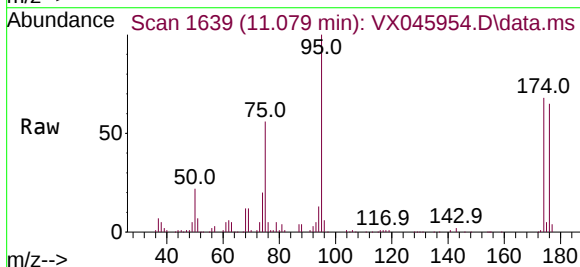
Instrument :
MSVOA_X
ClientSampleId :
RT1491

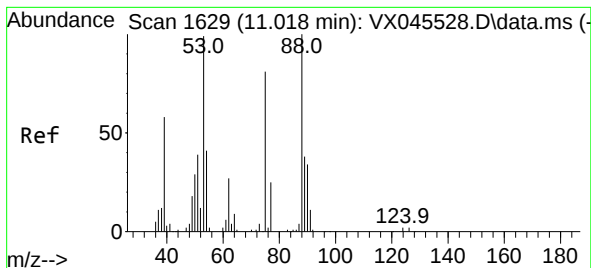
Tgt Ion:	43	Resp:	1611
Ion	Ratio	Lower	Upper
43	100		
70	0.0	30.1	45.1#
55	1.9	18.3	27.5#
61	0.0	17.5	26.3#



#76
1,2,3-Trichloropropane
Concen: 28.461 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX045954.D
Acq: 28 Apr 2025 14:17

Tgt Ion:	75	Resp:	36826
Ion	Ratio	Lower	Upper
75	100		
77	0.9	20.0	59.9#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 96.594 ug/l
 RT: 11.079 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX045954.D
 Acq: 28 Apr 2025 14:17

Instrument :
 MSVOA_X
 ClientSampleId :
 RT1491

Tgt Ion: 75 Resp: 36826
 Ion Ratio Lower Upper
 75 100
 53 0.1 101.8 152.6#
 89 0.0 37.2 55.8#

