

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX042825\
 Data File : VX045955.D
 Acq On : 28 Apr 2025 14:40
 Operator : JC/MD
 Sample : Q1874-06
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 HT3727

Quant Time: Apr 29 01:34:20 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

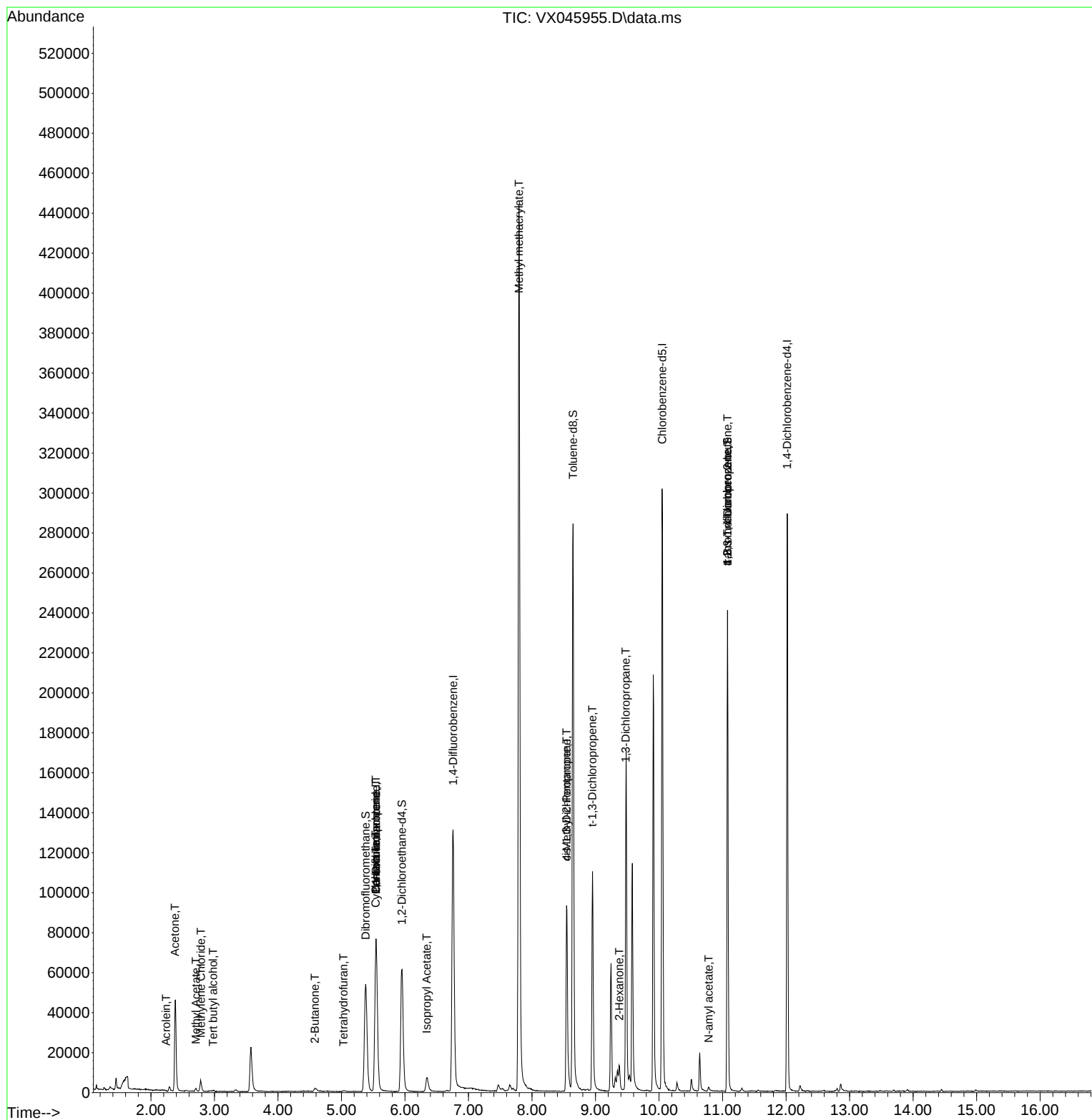
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.543	168	64662	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	129274	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	123798	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	52821	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	65743	55.597	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	111.200%
35) Dibromofluoromethane	5.379	113	47078	51.328	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	102.660%
50) Toluene-d8	8.647	98	165984	51.847	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	103.700%
62) 4-Bromofluorobenzene	11.079	95	60781	52.123	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	104.240%
Target Compounds						Qvalue
11) Tert butyl alcohol	2.977	59	781	4.914	ug/l #	72
13) Acrolein	2.239	56	58	0.265	ug/l #	28
16) Acetone	2.379	43	52502	108.125	ug/l	96
18) Methyl Acetate	2.709	43	1798	1.608	ug/l	99
20) Methylene Chloride	2.788	84	2268	2.495	ug/l	93
25) 2-Butanone	4.580	43	3513	4.943	ug/l	90
29) Tetrahydrofuran	5.031	42	342	0.742	ug/l #	49
31) Cyclohexane	5.537	56	1909	1.316	ug/l #	38
36) 1,1-Dichloropropene	5.543	75	6356	5.132	ug/l #	49
38) Carbon Tetrachloride	5.543	117	7493	5.598	ug/l #	16
43) Isopropyl Acetate	6.342	43	10807	4.569	ug/l	98
48) Methyl methacrylate	7.793	41	44740	36.634	ug/l #	50
51) 4-Methyl-2-Pentanone	8.543	43	38585	24.607	ug/l #	53
53) t-1,3-Dichloropropene	8.951	75	248	2.459	ug/l #	43
54) cis-1,3-Dichloropropene	8.543	75	14090	10.364	ug/l #	72
57) 1,3-Dichloropropane	9.476	76	1372	0.864	ug/l #	42
59) 2-Hexanone	9.372	43	11033	9.502	ug/l #	28
74) N-amyl acetate	10.780	43	1717	0.848	ug/l #	50
76) 1,2,3-Trichloropropane	11.079	75	35692	27.702	ug/l #	37
81) trans-1,4-Dichloro-2-b...	11.079	75	35692	94.017	ug/l #	1

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

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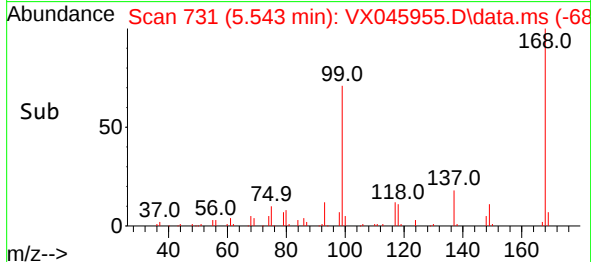
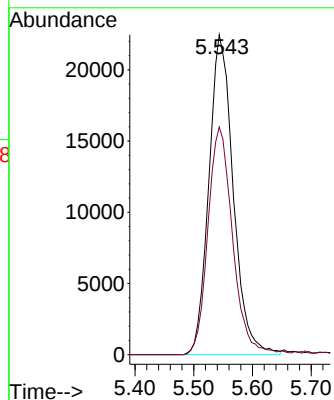
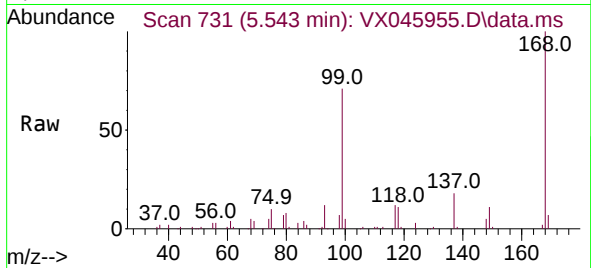




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.543 min Scan# 71
Delta R.T. -0.007 min
Lab File: VX045955.D
Acq: 28 Apr 2025 14:40

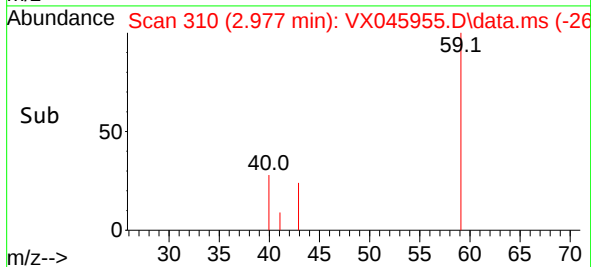
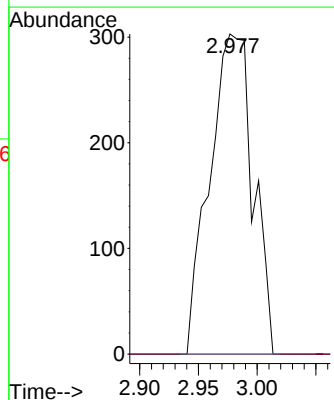
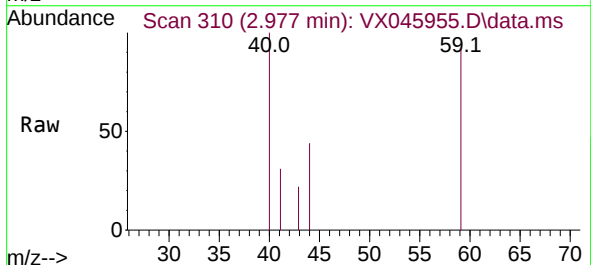
Instrument :
MSVOA_X
ClientSampleId :
HT3727

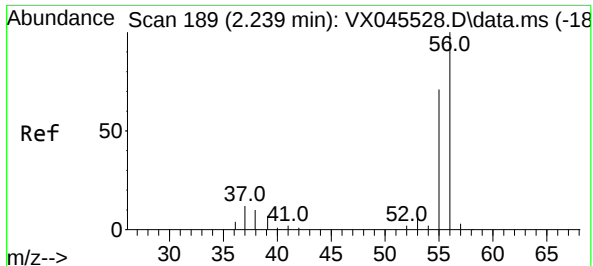
Tgt Ion:168 Resp: 64662
Ion Ratio Lower Upper
168 100
99 71.1 52.3 78.5



#11
Tert butyl alcohol
Concen: 4.914 ug/l
RT: 2.977 min Scan# 310
Delta R.T. -0.000 min
Lab File: VX045955.D
Acq: 28 Apr 2025 14:40

Tgt Ion: 59 Resp: 781
Ion Ratio Lower Upper
59 100
57 0.0 8.6 12.8#

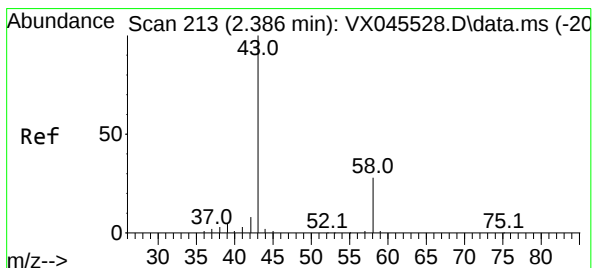
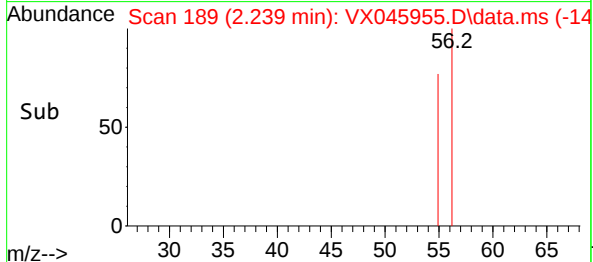
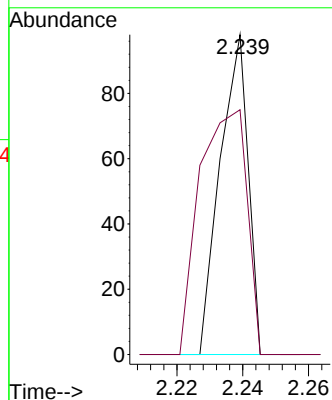
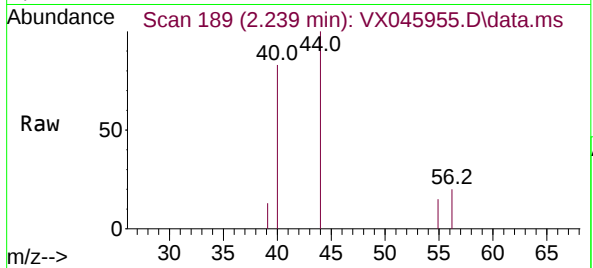




#13
Acrolein
Concen: 0.265 ug/l
RT: 2.239 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX045955.D
Acq: 28 Apr 2025 14:40

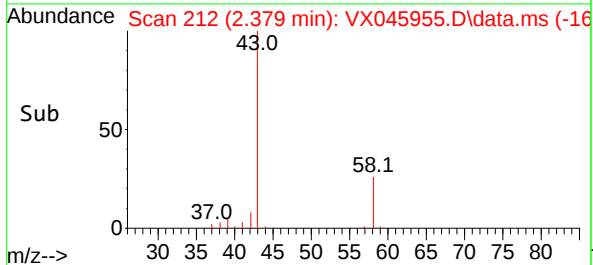
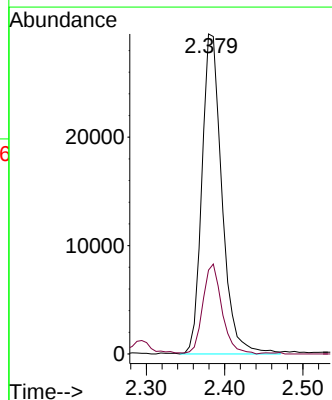
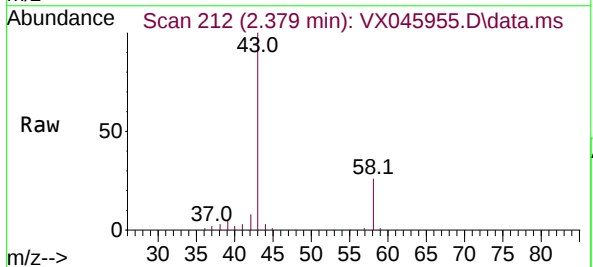
Instrument :
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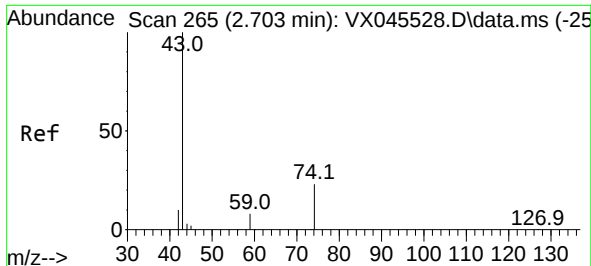
Tgt Ion: 56 Resp: 58
Ion Ratio Lower Upper
56 100
55 129.3 56.2 84.2#



#16
Acetone
Concen: 108.125 ug/l
RT: 2.379 min Scan# 212
Delta R.T. -0.006 min
Lab File: VX045955.D
Acq: 28 Apr 2025 14:40

Tgt Ion: 43 Resp: 52502
Ion Ratio Lower Upper
43 100
58 25.8 22.3 33.5

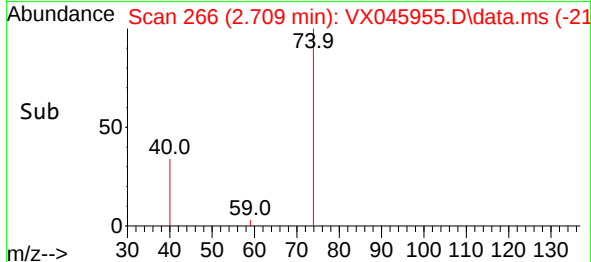
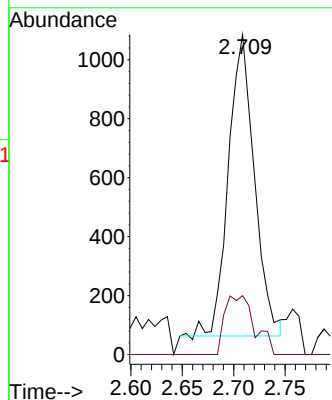
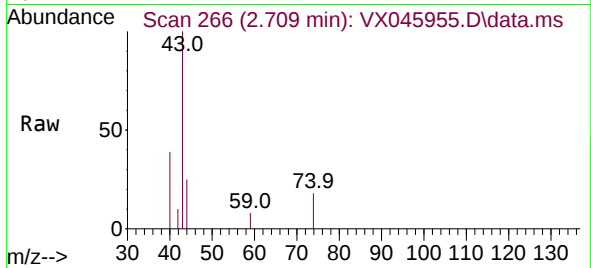




#18
Methyl Acetate
Concen: 1.608 ug/l
RT: 2.709 min Scan# 218
Delta R.T. 0.006 min
Lab File: VX045955.D
Acq: 28 Apr 2025 14:40

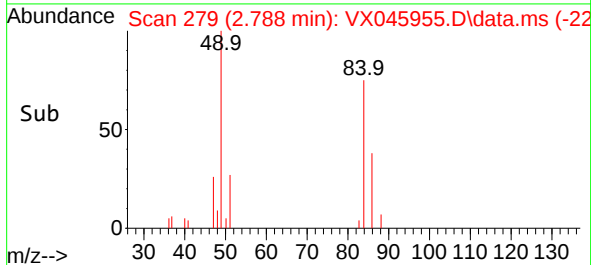
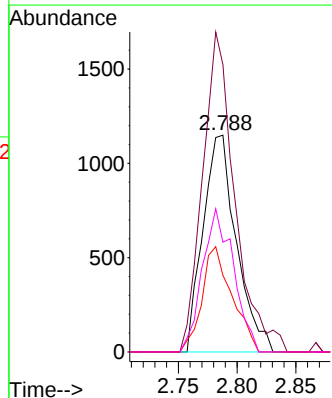
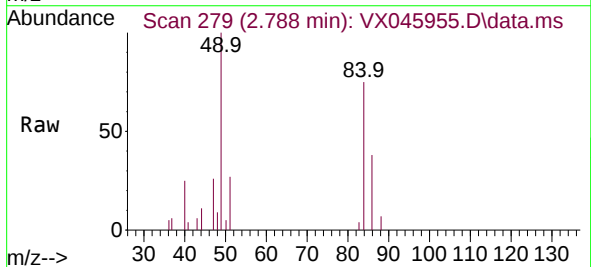
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ClientSampleId :
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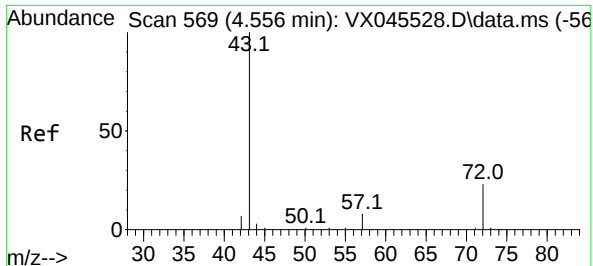
Tgt Ion: 43 Resp: 1798
Ion Ratio Lower Upper
43 100
74 22.4 17.5 26.3



#20
Methylene Chloride
Concen: 2.495 ug/l
RT: 2.788 min Scan# 279
Delta R.T. 0.006 min
Lab File: VX045955.D
Acq: 28 Apr 2025 14:40

Tgt Ion: 84 Resp: 2268
Ion Ratio Lower Upper
84 100
49 132.5 107.5 161.3
51 35.3 33.0 49.6
86 50.6 50.1 75.1

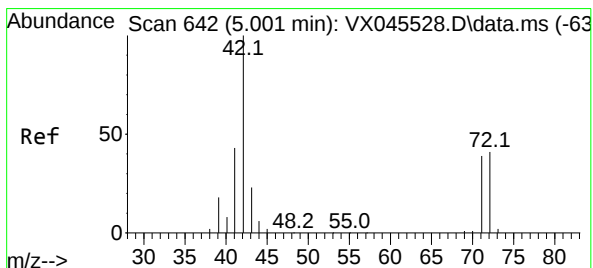
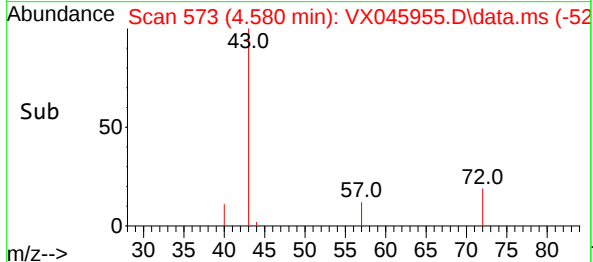
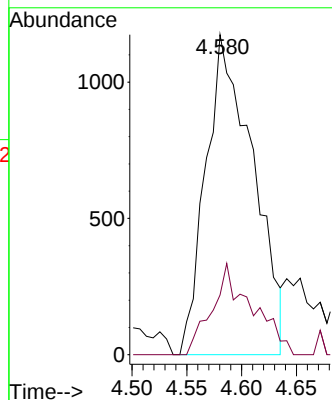
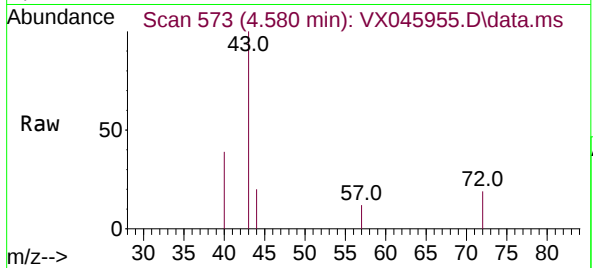




#25
2-Butanone
Concen: 4.943 ug/l
RT: 4.580 min Scan# 51
Delta R.T. 0.024 min
Lab File: VX045955.D
Acq: 28 Apr 2025 14:40

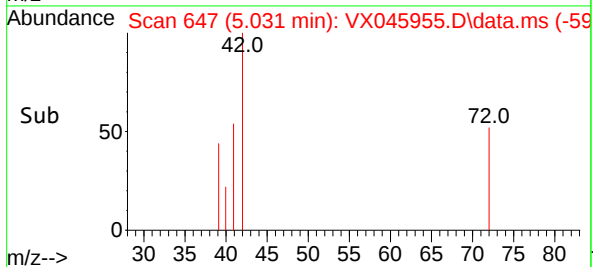
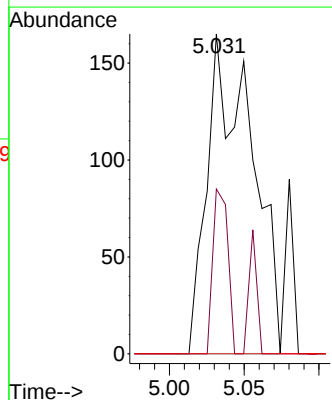
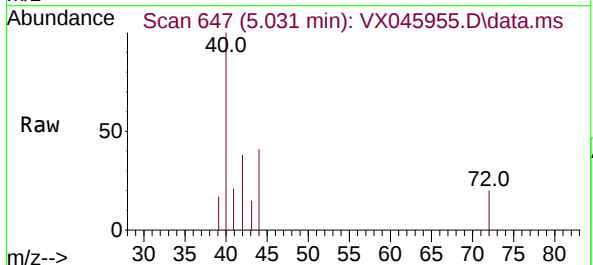
Instrument :
MSVOA_X
ClientSampleId :
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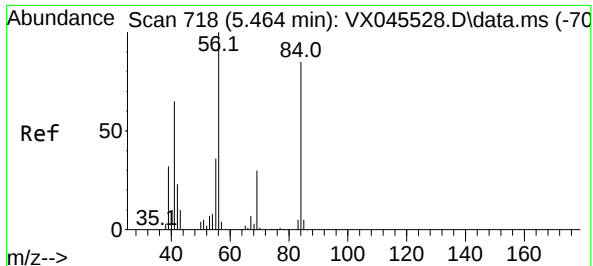
Tgt Ion: 43 Resp: 3513
Ion Ratio Lower Upper
43 100
72 18.7 18.6 28.0



#29
Tetrahydrofuran
Concen: 0.742 ug/l
RT: 5.031 min Scan# 647
Delta R.T. 0.030 min
Lab File: VX045955.D
Acq: 28 Apr 2025 14:40

Tgt Ion: 42 Resp: 342
Ion Ratio Lower Upper
42 100
72 17.3 33.4 50.0#
71 0.0 31.4 47.0#

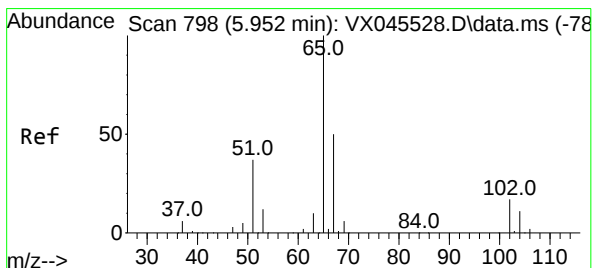
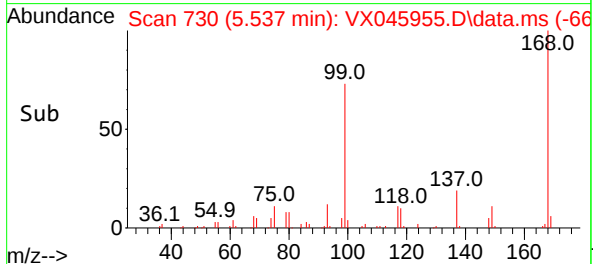
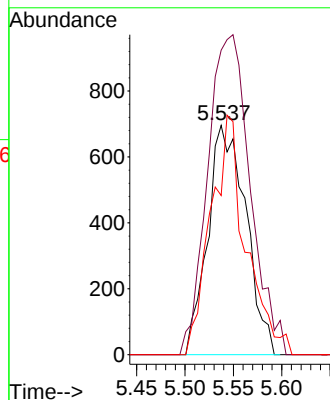
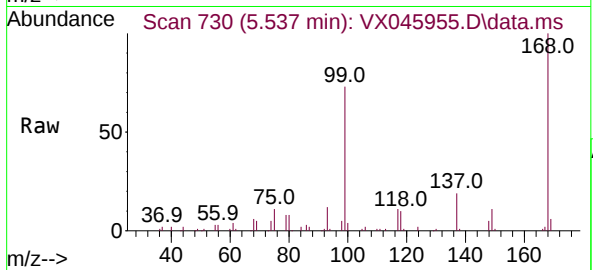




#31
Cyclohexane
Concen: 1.316 ug/l
RT: 5.537 min Scan# 718
Delta R.T. 0.073 min
Lab File: VX045955.D
Acq: 28 Apr 2025 14:40

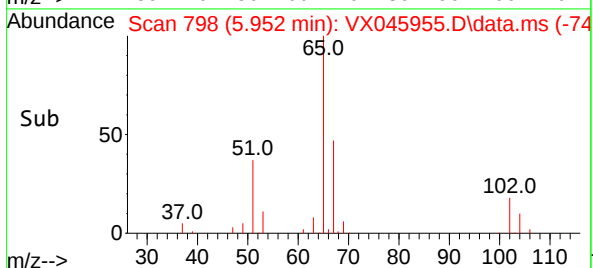
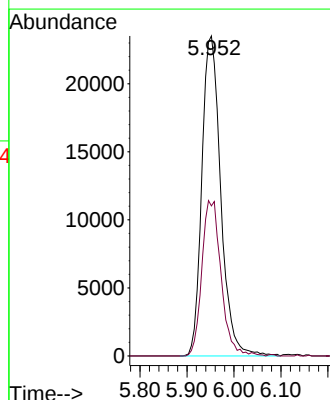
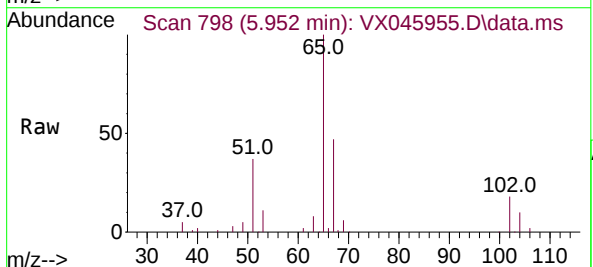
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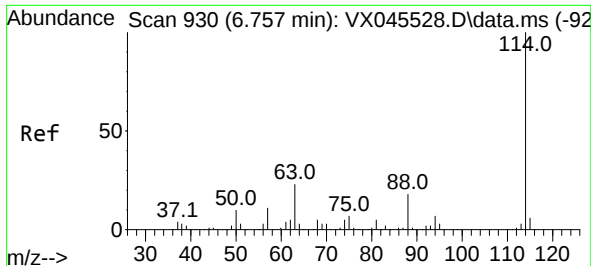
Tgt Ion: 56 Resp: 1909
Ion Ratio Lower Upper
56 100
69 132.8 23.6 35.4#
84 69.4 67.7 101.5



#33
1,2-Dichloroethane-d4
Concen: 55.597 ug/l
RT: 5.952 min Scan# 798
Delta R.T. -0.000 min
Lab File: VX045955.D
Acq: 28 Apr 2025 14:40

Tgt Ion: 65 Resp: 65743
Ion Ratio Lower Upper
65 100
67 49.4 0.0 99.0

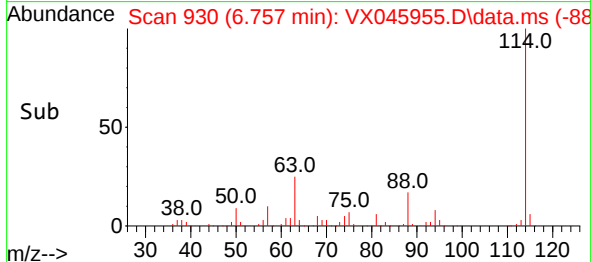
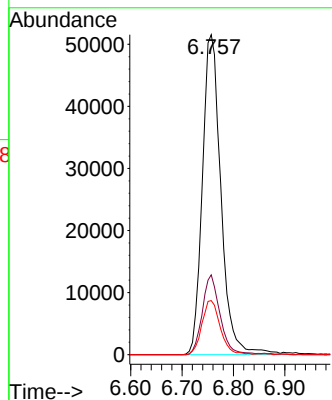
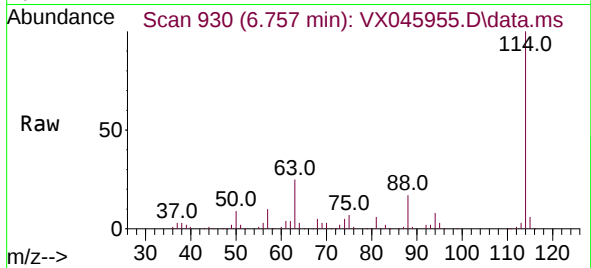




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 91
Delta R.T. -0.000 min
Lab File: VX045955.D
Acq: 28 Apr 2025 14:40

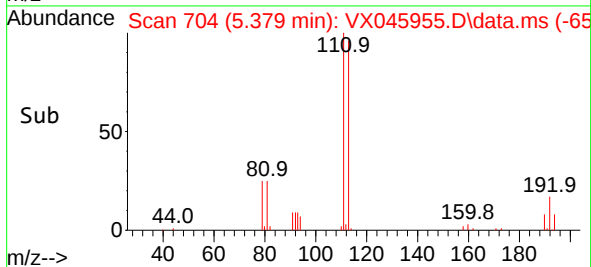
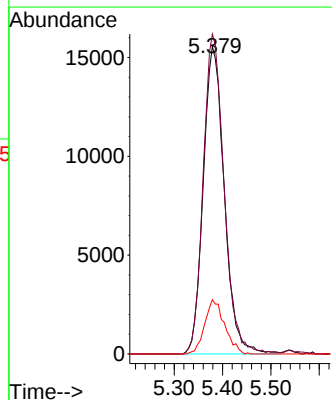
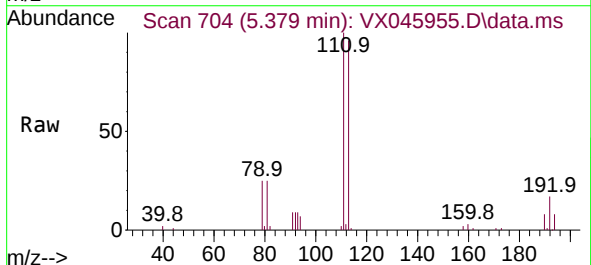
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Tgt Ion:114 Resp: 129274
Ion Ratio Lower Upper
114 100
63 25.0 0.0 46.8
88 16.9 0.0 35.4



#35
Dibromofluoromethane
Concen: 51.328 ug/l
RT: 5.379 min Scan# 704
Delta R.T. -0.000 min
Lab File: VX045955.D
Acq: 28 Apr 2025 14:40

Tgt Ion:113 Resp: 47078
Ion Ratio Lower Upper
113 100
111 103.4 81.8 122.6
192 16.7 13.8 20.6

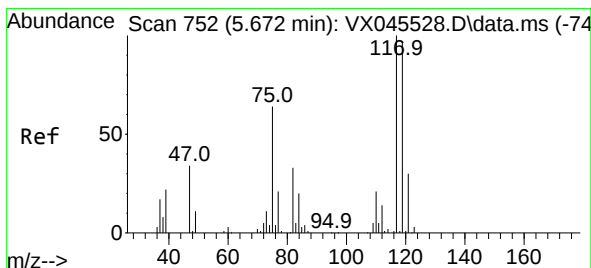
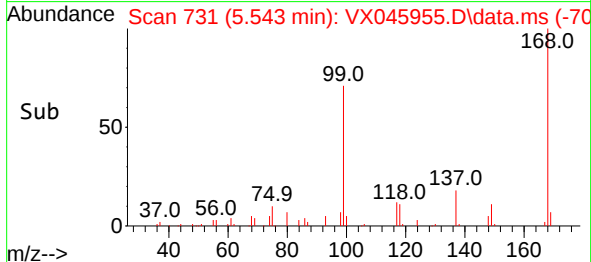
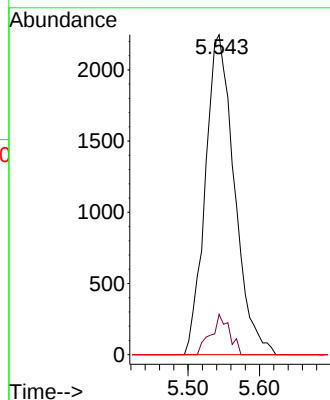
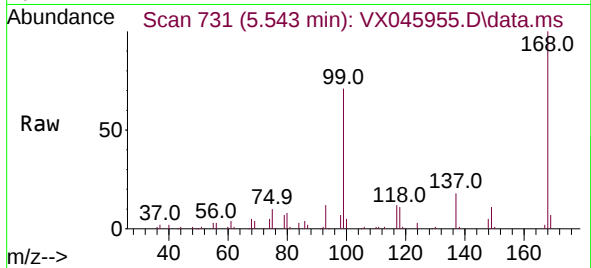




#36
 1,1-Dichloropropene
 Concen: 5.132 ug/l
 RT: 5.543 min Scan# 711
 Delta R.T. -0.140 min
 Lab File: VX045955.D
 Acq: 28 Apr 2025 14:40

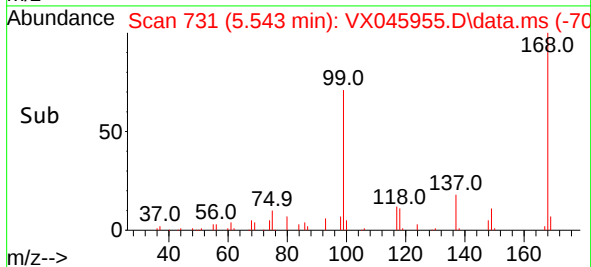
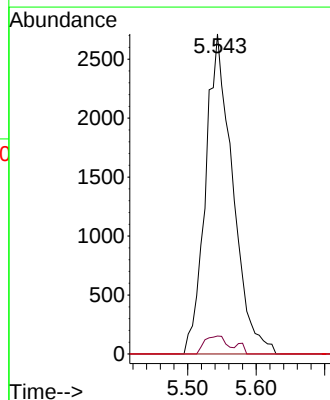
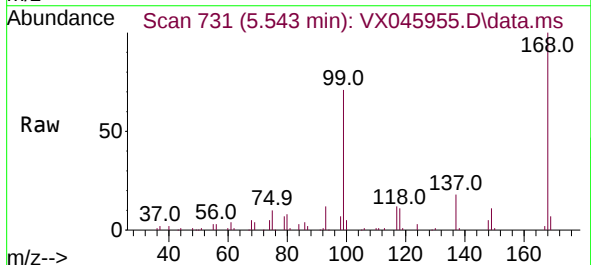
Instrument :
 MSVOA_X
 ClientSampleId :
 HT3727

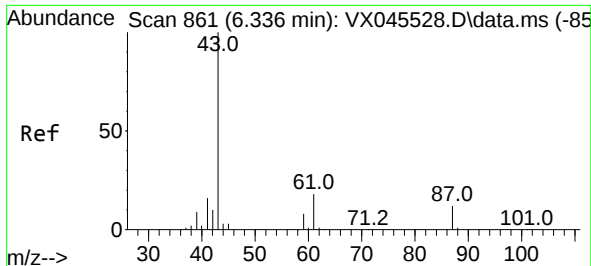
Tgt Ion: 75 Resp: 6356
 Ion Ratio Lower Upper
 75 100
 110 8.1 16.9 50.6#
 77 0.0 25.0 37.4#



#38
 Carbon Tetrachloride
 Concen: 5.598 ug/l
 RT: 5.543 min Scan# 731
 Delta R.T. -0.128 min
 Lab File: VX045955.D
 Acq: 28 Apr 2025 14:40

Tgt Ion: 117 Resp: 7493
 Ion Ratio Lower Upper
 117 100
 119 5.6 76.9 115.3#
 121 0.0 24.2 36.2#

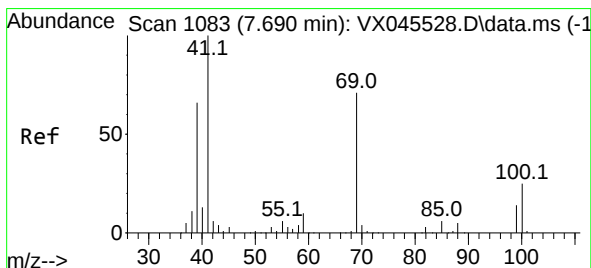
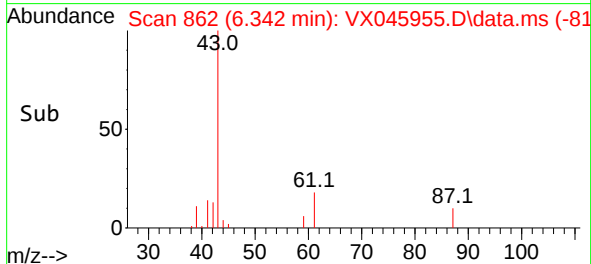
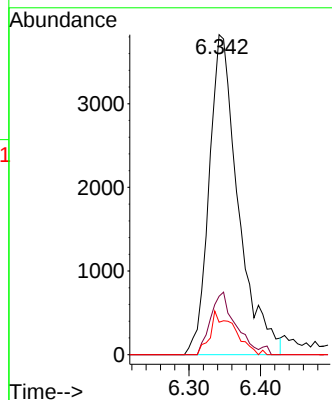
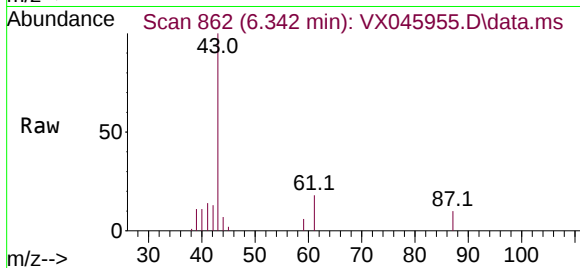




#43
Isopropyl Acetate
Concen: 4.569 ug/l
RT: 6.342 min Scan# 81
Delta R.T. 0.006 min
Lab File: VX045955.D
Acq: 28 Apr 2025 14:40

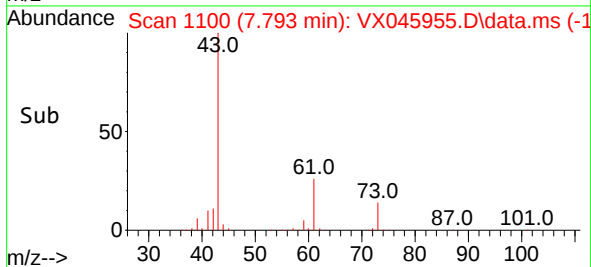
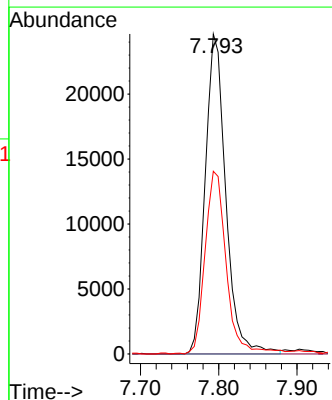
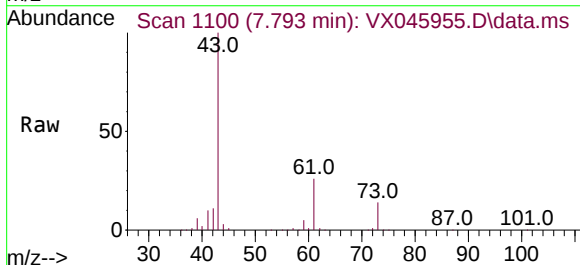
Instrument :
MSVOA_X
ClientSampleId :
HT3727

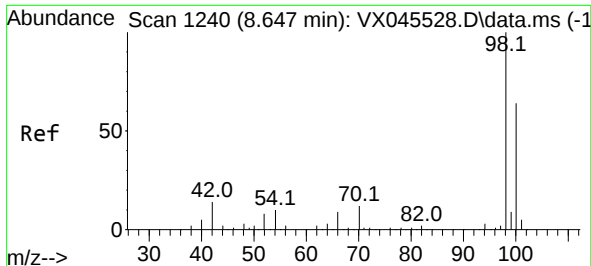
Tgt Ion: 43 Resp: 10807
Ion Ratio Lower Upper
43 100
61 16.6 14.1 21.1
87 11.4 9.2 13.8



#48
Methyl methacrylate
Concen: 36.634 ug/l
RT: 7.793 min Scan# 1100
Delta R.T. 0.103 min
Lab File: VX045955.D
Acq: 28 Apr 2025 14:40

Tgt Ion: 41 Resp: 44740
Ion Ratio Lower Upper
41 100
69 0.0 58.2 87.2#
39 59.2 53.6 80.4

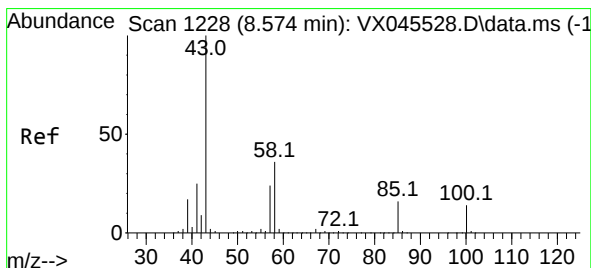
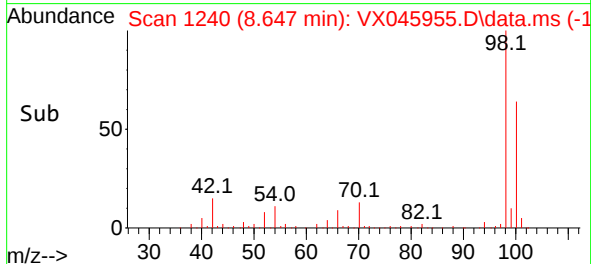
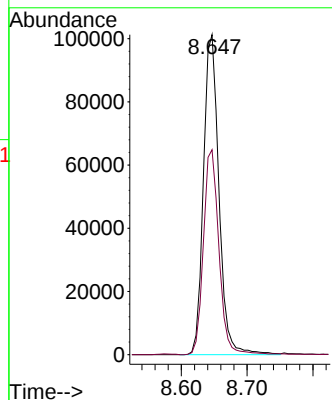
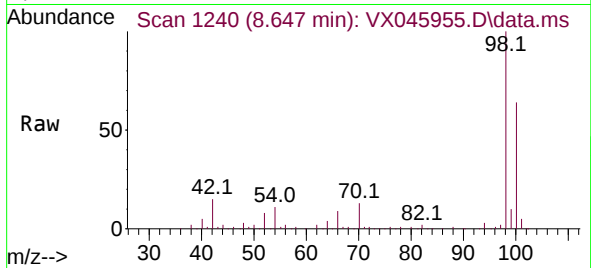




#50
Toluene-d8
Concen: 51.847 ug/l
RT: 8.647 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX045955.D
Acq: 28 Apr 2025 14:40

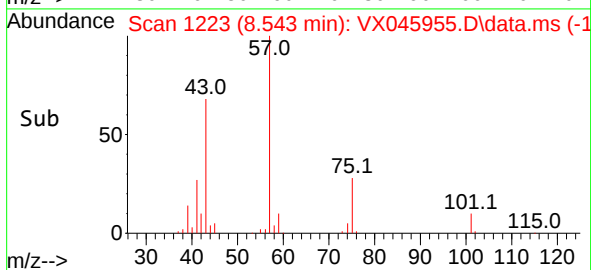
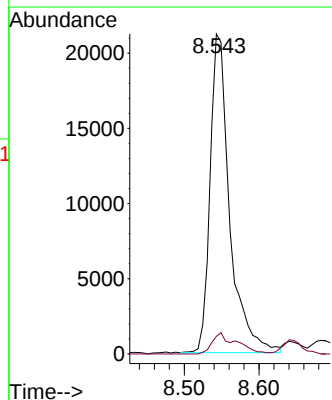
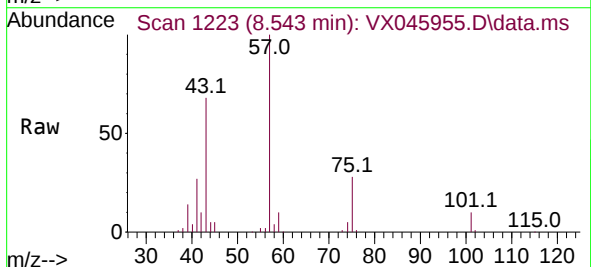
Instrument :
MSVOA_X
ClientSampleId :
HT3727

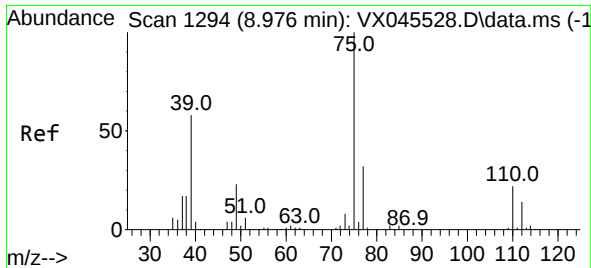
Tgt Ion: 98 Resp: 165984
Ion Ratio Lower Upper
98 100
100 64.1 52.2 78.4



#51
4-Methyl-2-Pentanone
Concen: 24.607 ug/l
RT: 8.543 min Scan# 1223
Delta R.T. -0.031 min
Lab File: VX045955.D
Acq: 28 Apr 2025 14:40

Tgt Ion: 43 Resp: 38585
Ion Ratio Lower Upper
43 100
58 8.2 28.5 42.7#

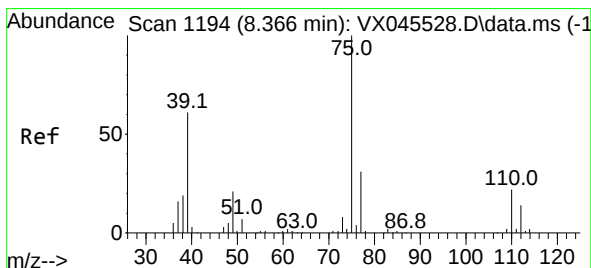
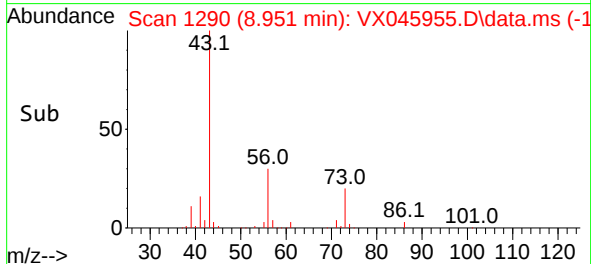
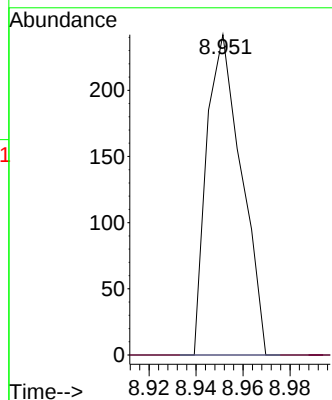
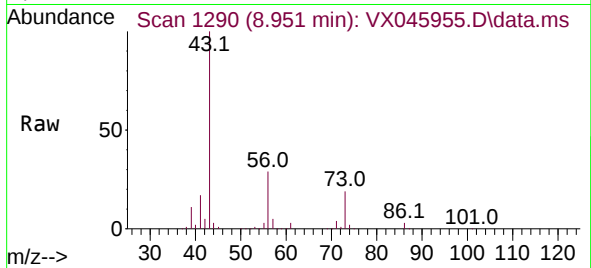




#53
 t-1,3-Dichloropropene
 Concen: 2.459 ug/l
 RT: 8.951 min Scan# 11
 Delta R.T. -0.025 min
 Lab File: VX045955.D
 Acq: 28 Apr 2025 14:40

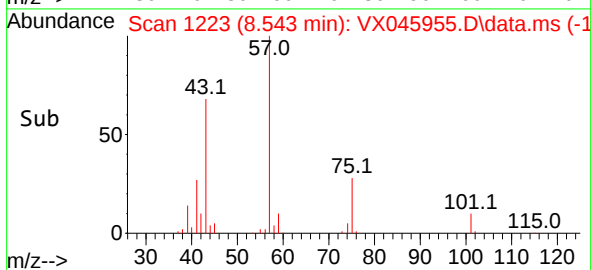
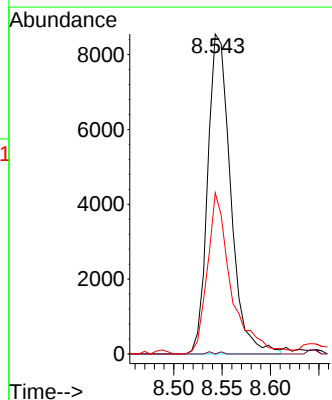
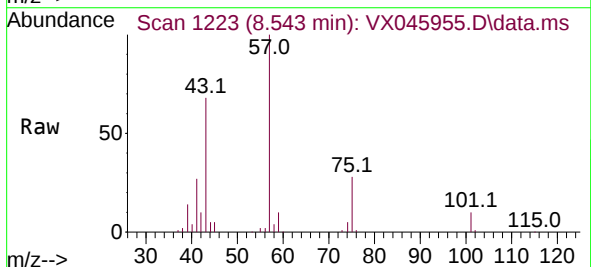
Instrument :
 MSVOA_X
 ClientSampleId :
 HT3727

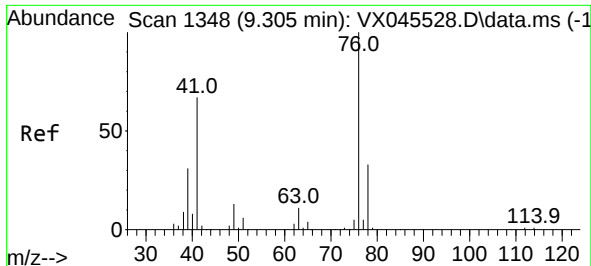
Tgt Ion: 75 Resp: 248
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.4 38.0#



#54
 cis-1,3-Dichloropropene
 Concen: 10.364 ug/l
 RT: 8.543 min Scan# 1223
 Delta R.T. 0.177 min
 Lab File: VX045955.D
 Acq: 28 Apr 2025 14:40

Tgt Ion: 75 Resp: 14090
 Ion Ratio Lower Upper
 75 100
 77 0.0 24.6 36.8#
 39 50.4 48.4 72.6





#57

1,3-Dichloropropane

Concen: 0.864 ug/l

RT: 9.476 min Scan# 1

Delta R.T. 0.171 min

Lab File: VX045955.D

Acq: 28 Apr 2025 14:40

Instrument :

MSVOA_X

ClientSampleId :

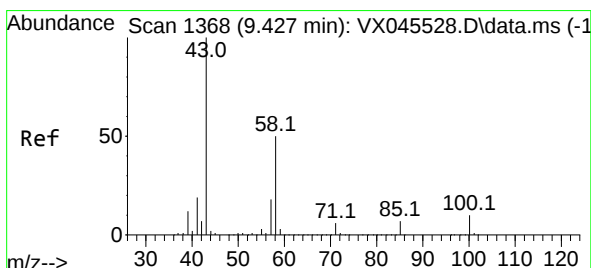
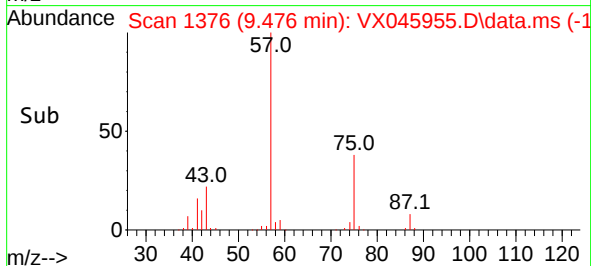
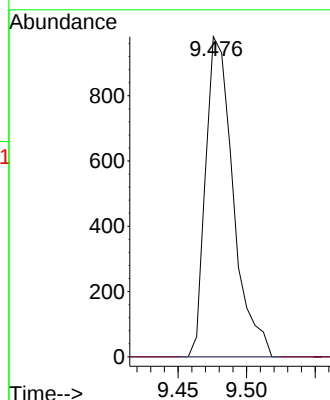
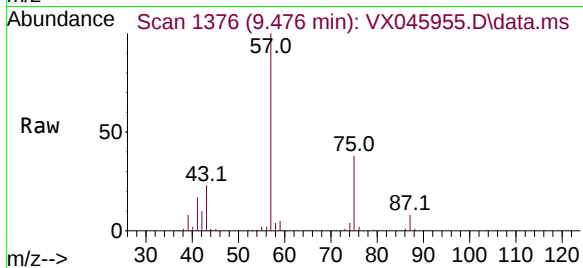
HT3727

Tgt Ion: 76 Resp: 1372

Ion Ratio Lower Upper

76 100

78 0.0 26.0 39.0#



#59

2-Hexanone

Concen: 9.502 ug/l

RT: 9.372 min Scan# 1359

Delta R.T. -0.055 min

Lab File: VX045955.D

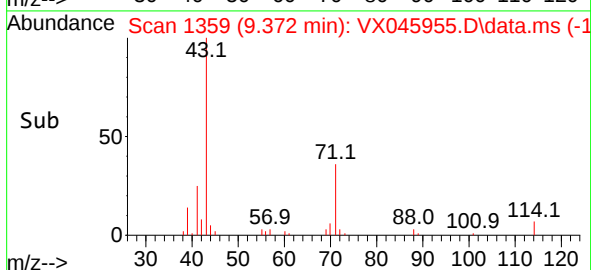
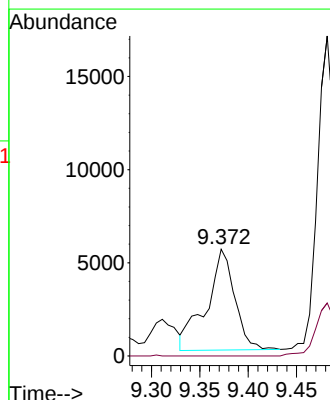
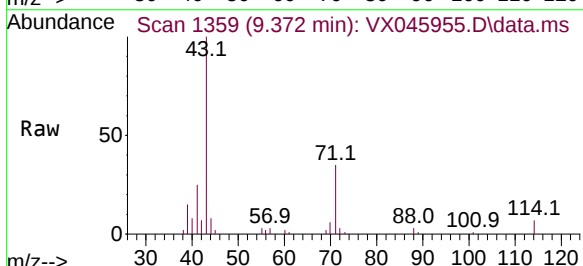
Acq: 28 Apr 2025 14:40

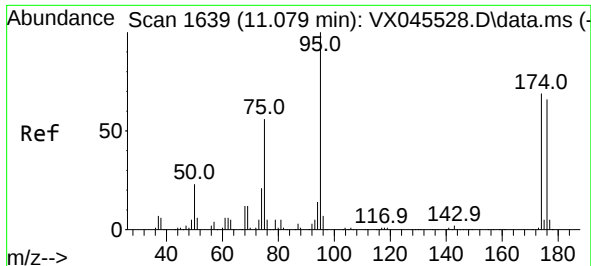
Tgt Ion: 43 Resp: 11033

Ion Ratio Lower Upper

43 100

58 0.0 24.9 74.6#

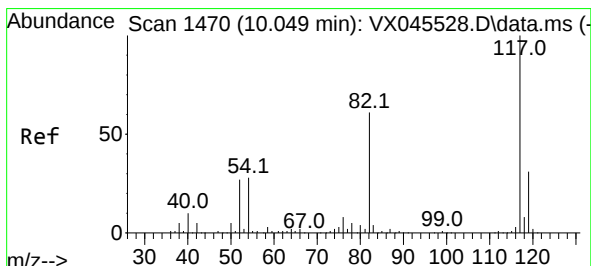
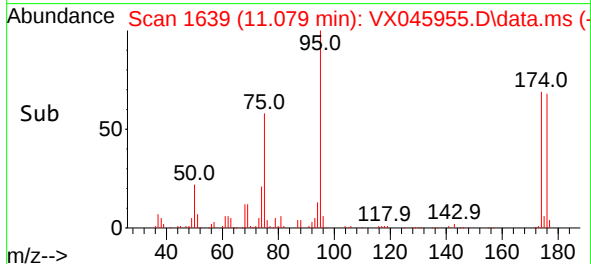
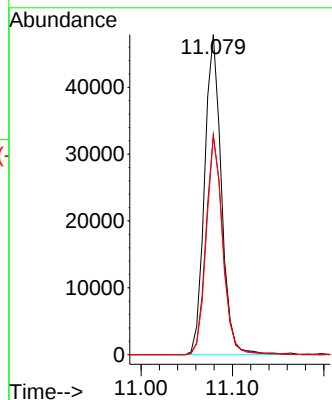
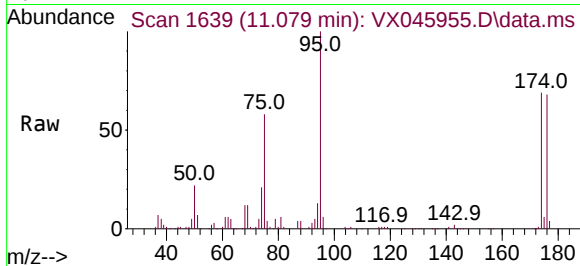




#62
4-Bromofluorobenzene
Concen: 52.123 ug/l
RT: 11.079 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045955.D
Acq: 28 Apr 2025 14:40

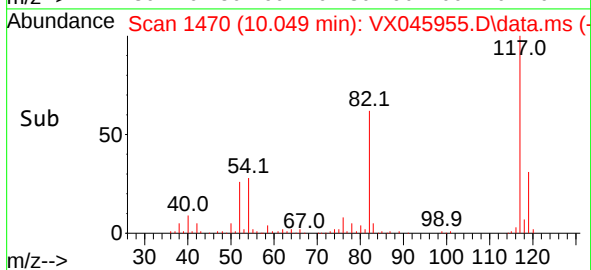
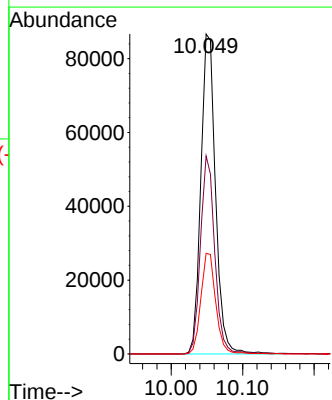
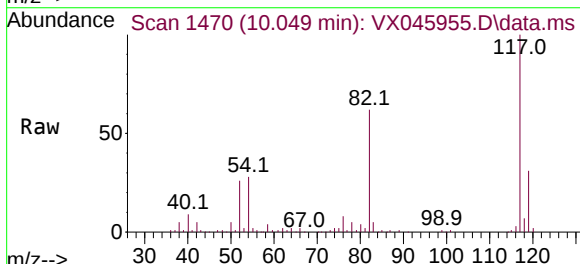
Instrument :
MSVOA_X
ClientSampleId :
HT3727

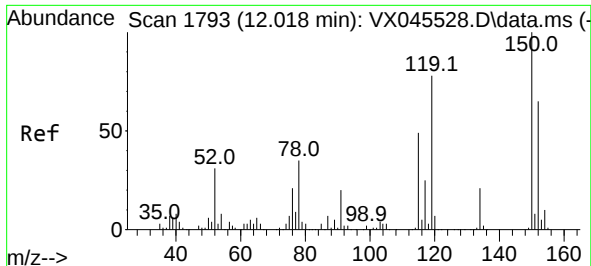
Tgt Ion: 95 Resp: 60781
Ion Ratio Lower Upper
95 100
174 69.2 0.0 135.8
176 66.8 0.0 131.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 1470
Delta R.T. -0.000 min
Lab File: VX045955.D
Acq: 28 Apr 2025 14:40

Tgt Ion: 117 Resp: 123798
Ion Ratio Lower Upper
117 100
82 61.9 49.2 73.8
119 31.5 25.1 37.7

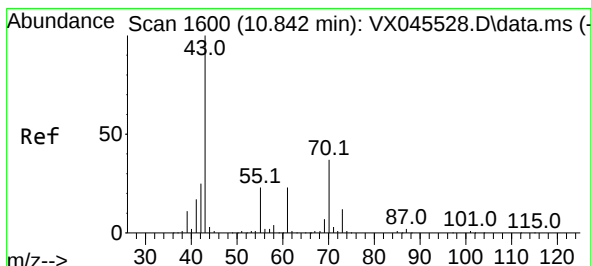
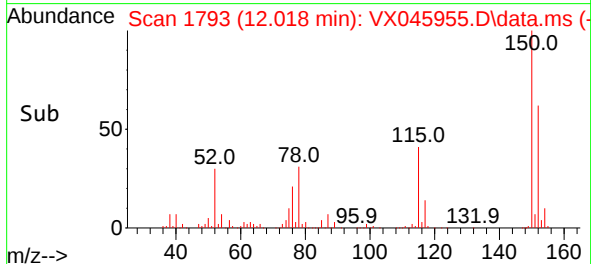
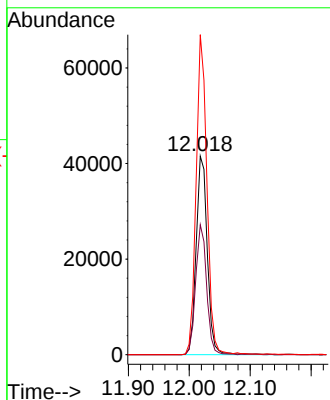
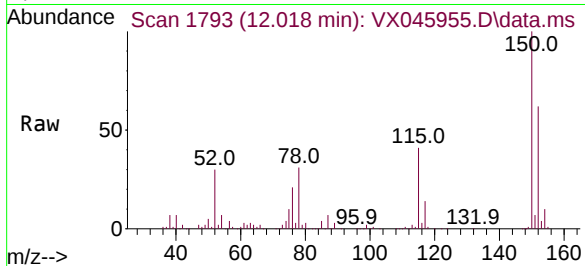




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045955.D
Acq: 28 Apr 2025 14:40

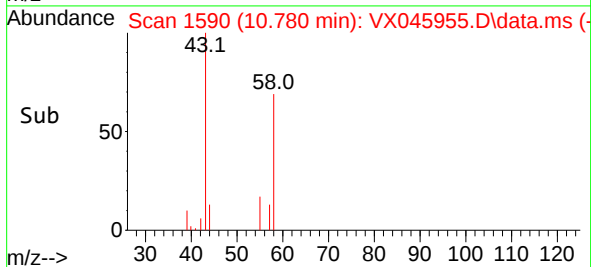
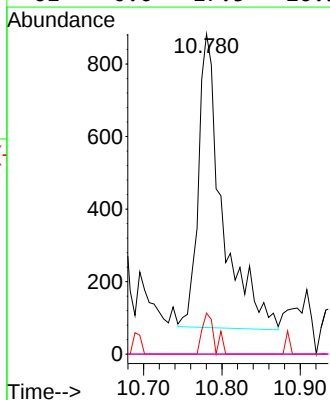
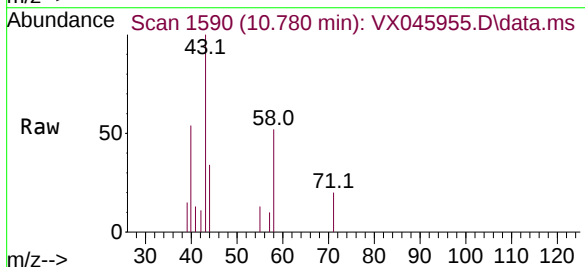
Instrument :
MSVOA_X
ClientSampleId :
HT3727

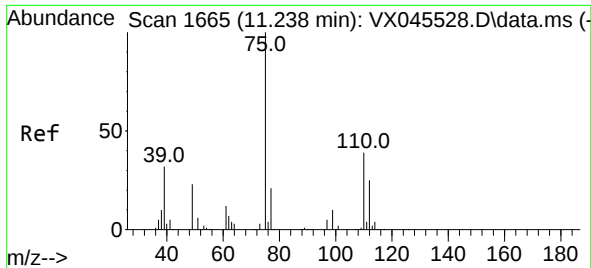
Tgt Ion:152 Resp: 52821
Ion Ratio Lower Upper
152 100
115 64.1 46.9 140.7
150 154.9 0.0 349.4



#74
N-ethyl acetate
Concen: 0.848 ug/l
RT: 10.780 min Scan# 1590
Delta R.T. -0.061 min
Lab File: VX045955.D
Acq: 28 Apr 2025 14:40

Tgt Ion: 43 Resp: 1717
Ion Ratio Lower Upper
43 100
70 0.0 30.1 45.1#
55 7.2 18.3 27.5#
61 0.0 17.5 26.3#

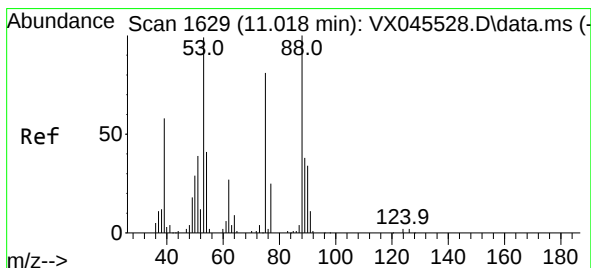
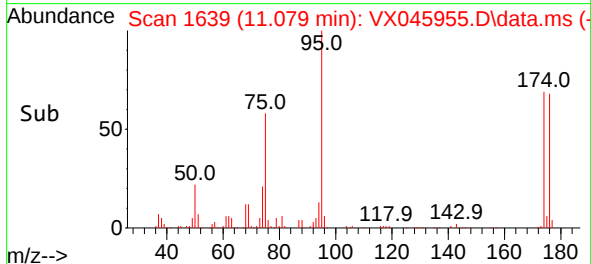
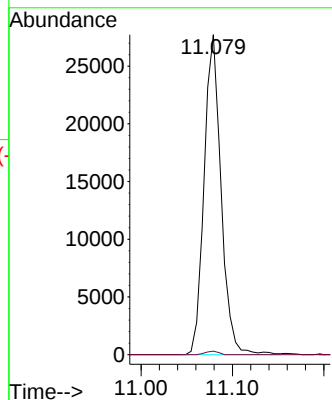
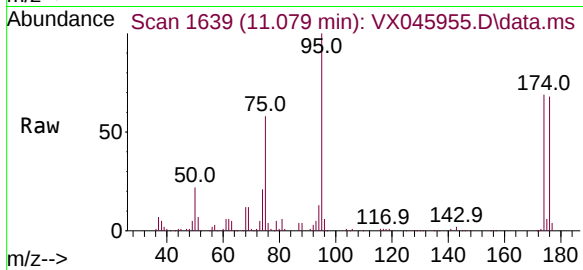




#76
1,2,3-Trichloropropane
Concen: 27.702 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX045955.D
Acq: 28 Apr 2025 14:40

Instrument :
MSVOA_X
ClientSampleId :
HT3727

Tgt Ion: 75 Resp: 35692
Ion Ratio Lower Upper
75 100
77 0.8 20.0 59.9#



#81
trans-1,4-Dichloro-2-butene
Concen: 94.017 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX045955.D
Acq: 28 Apr 2025 14:40

Tgt Ion: 75 Resp: 35692
Ion Ratio Lower Upper
75 100
53 0.0 101.8 152.6#
89 0.0 37.2 55.8#

