

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX043025\
 Data File : VX045993.D
 Acq On : 30 Apr 2025 13:19
 Operator : JC/MD
 Sample : Q1901-09
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 B-170-SB01

Quant Time: May 01 03:36:46 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)

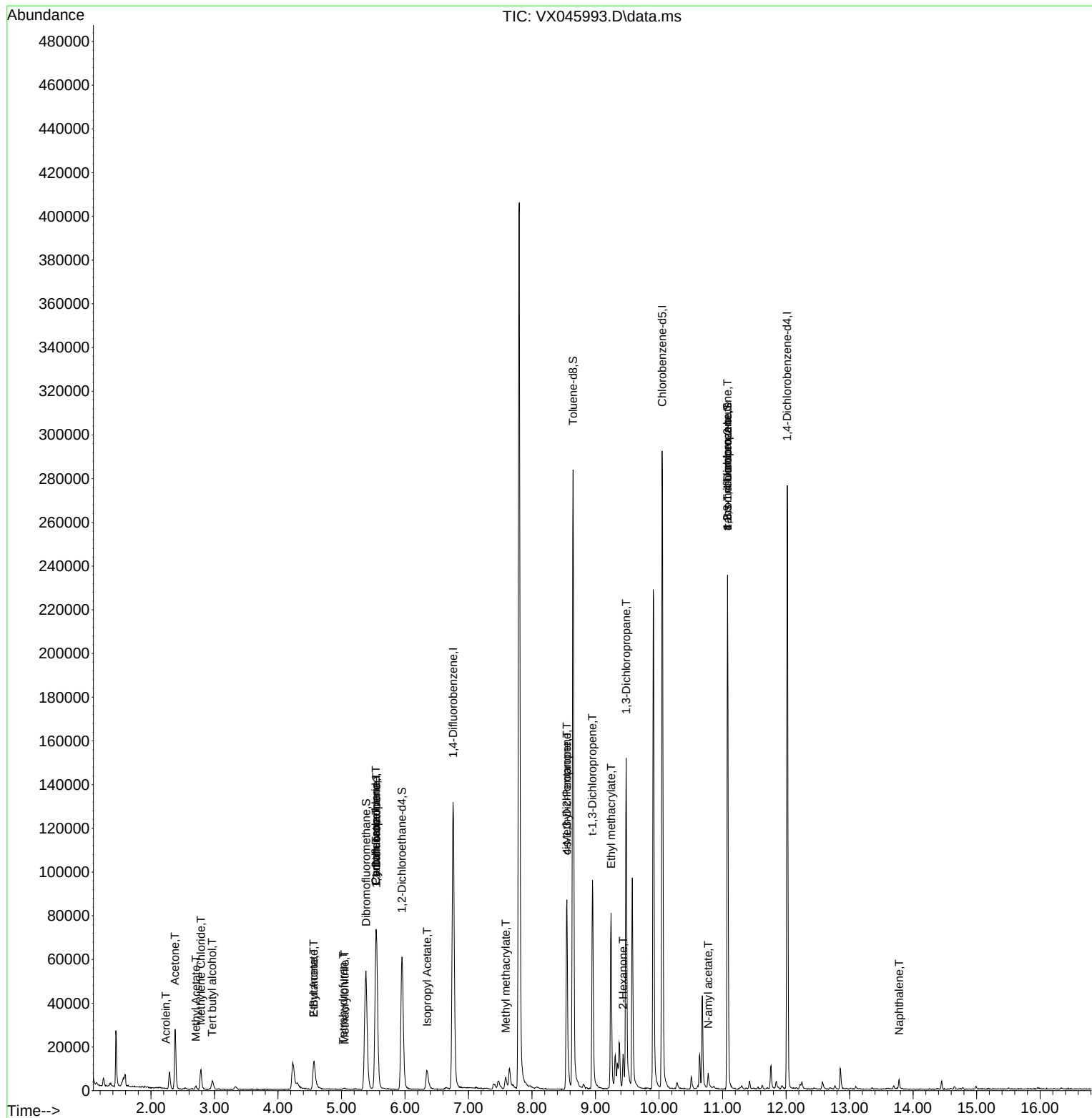
Internal Standards						
1) Pentafluorobenzene	5.544	168	62684	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	125601	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	119798	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	50854	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	63996	55.827	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	111.660%
35) Dibromofluoromethane	5.385	113	47092	52.845	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	105.680%
50) Toluene-d8	8.647	98	160020	51.446	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	102.900%
62) 4-Bromofluorobenzene	11.079	95	59966	52.928	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	105.860%
Target Compounds						
						Qvalue
11) Tert butyl alcohol	2.965	59	4197	27.243	ug/l	98
13) Acrolein	2.233	56	93	0.438	ug/l #	81
16) Acetone	2.380	43	29145	61.917	ug/l	98
18) Methyl Acetate	2.709	43	1813	1.673	ug/l #	85
20) Methylene Chloride	2.788	84	4107	4.661	ug/l	95
25) 2-Butanone	4.562	43	25122	36.460	ug/l	99
29) Tetrahydrofuran	5.026	42	184	0.412	ug/l #	75
31) Cyclohexane	5.544	56	1961	1.395	ug/l #	54
36) 1,1-Dichloropropene	5.550	75	6413	5.330	ug/l #	51
37) Ethyl Acetate	4.562	43	25122	16.568	ug/l #	71
38) Carbon Tetrachloride	5.544	117	7503	5.770	ug/l #	15
41) Methacrylonitrile	5.050	41	241	0.301	ug/l #	24
43) Isopropyl Acetate	6.348	43	13171	5.731	ug/l	99
48) Methyl methacrylate	7.586	41	2944	2.481	ug/l #	41
51) 4-Methyl-2-Pentanone	8.549	43	35736	23.457	ug/l #	48
53) t-1,3-Dichloropropene	8.952	75	206	2.435	ug/l #	43
54) cis-1,3-Dichloropropene	8.549	75	13025	9.861	ug/l #	68
56) Ethyl methacrylate	9.244	69	300	0.219	ug/l #	1
57) 1,3-Dichloropropane	9.482	76	1310	0.849	ug/l #	42
59) 2-Hexanone	9.433	43	8915	7.902	ug/l	99
74) N-amyl acetate	10.775	43	4351	2.233	ug/l #	51
76) 1,2,3-Trichloropropane	11.079	75	35231	28.402	ug/l #	37
81) trans-1,4-Dichloro-2-b...	11.079	75	35231	96.392	ug/l #	1
95) Naphthalene	13.780	128	3377	0.957	ug/l #	92

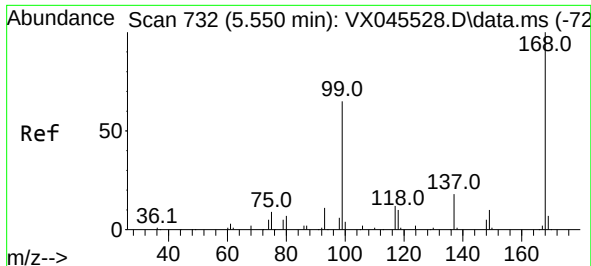
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Wed Apr 02 03:11:43 2025
Response via : Initial Calibration

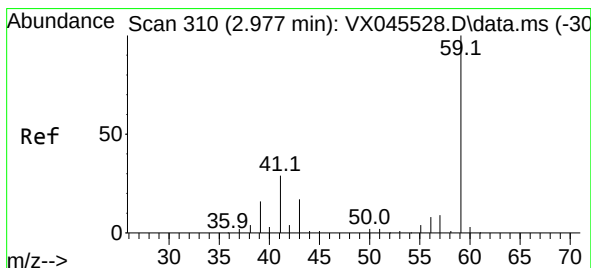
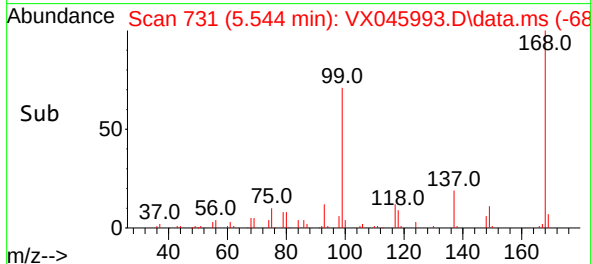
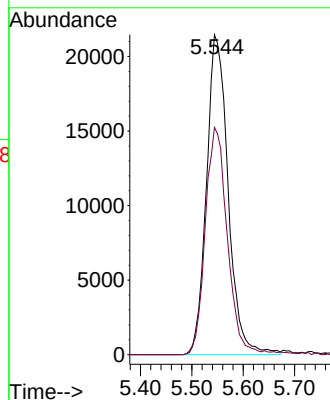
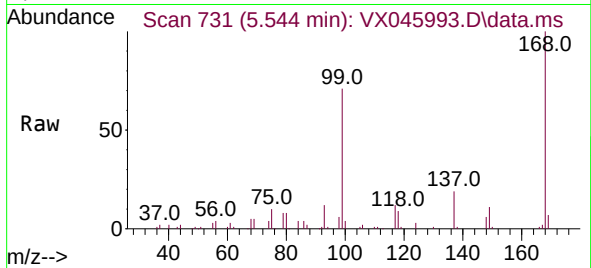




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX045993.D
Acq: 30 Apr 2025 13:19

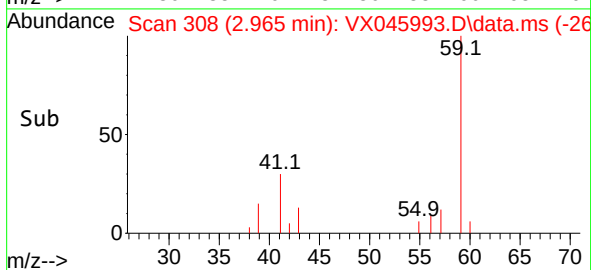
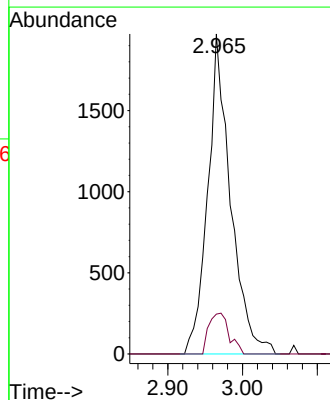
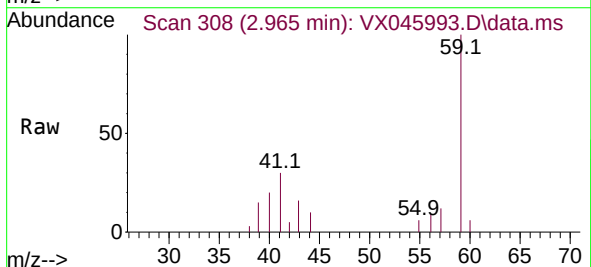
Instrument :
MSVOA_X
ClientSampleId :
B-170-SB01

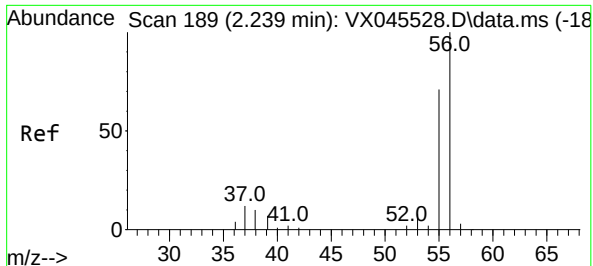
Tgt Ion:168 Resp: 62684
Ion Ratio Lower Upper
168 100
99 71.0 52.3 78.5



#11
Tert butyl alcohol
Concen: 27.243 ug/l
RT: 2.965 min Scan# 308
Delta R.T. -0.012 min
Lab File: VX045993.D
Acq: 30 Apr 2025 13:19

Tgt Ion: 59 Resp: 4197
Ion Ratio Lower Upper
59 100
57 11.3 8.6 12.8

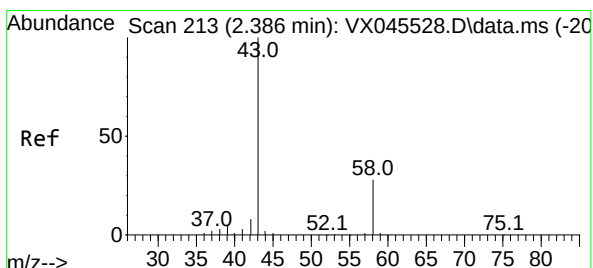
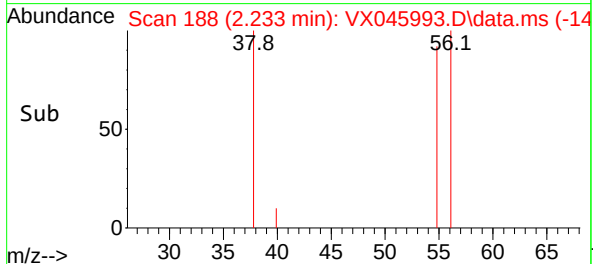
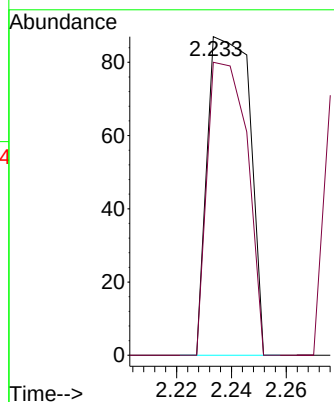
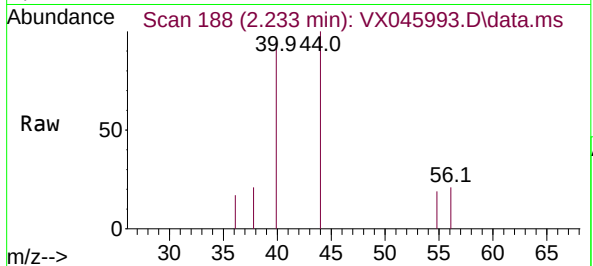




#13
Acrolein
Concen: 0.438 ug/l
RT: 2.233 min Scan# 11
Delta R.T. -0.006 min
Lab File: VX045993.D
Acq: 30 Apr 2025 13:19

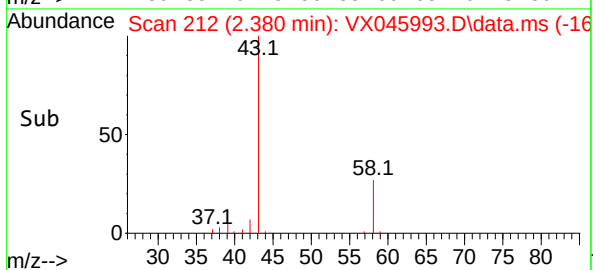
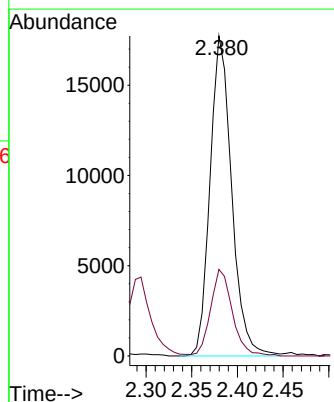
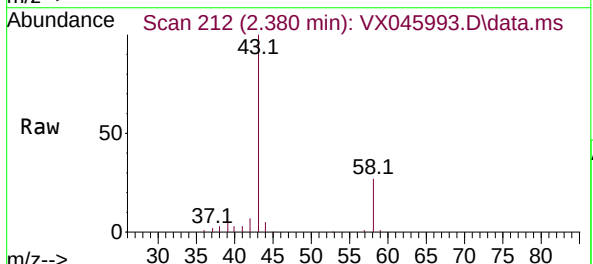
Instrument :
MSVOA_X
ClientSampleId :
B-170-SB01

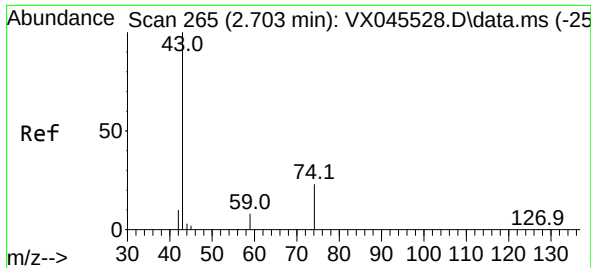
Tgt Ion: 56 Resp: 93
Ion Ratio Lower Upper
56 100
55 86.0 56.2 84.2#



#16
Acetone
Concen: 61.917 ug/l
RT: 2.380 min Scan# 212
Delta R.T. -0.006 min
Lab File: VX045993.D
Acq: 30 Apr 2025 13:19

Tgt Ion: 43 Resp: 29145
Ion Ratio Lower Upper
43 100
58 27.1 22.3 33.5

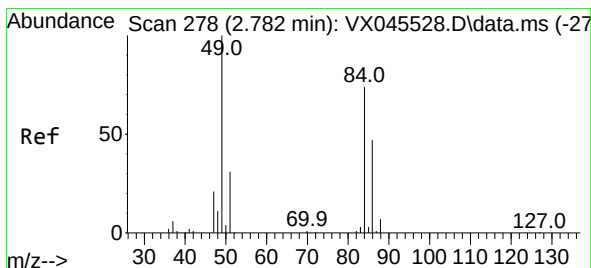
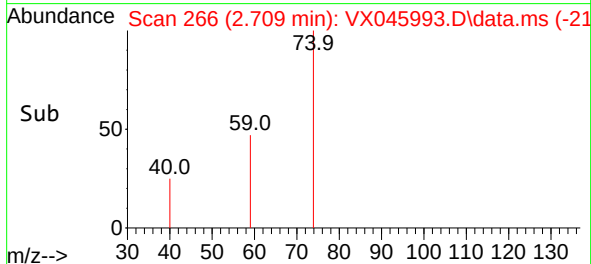
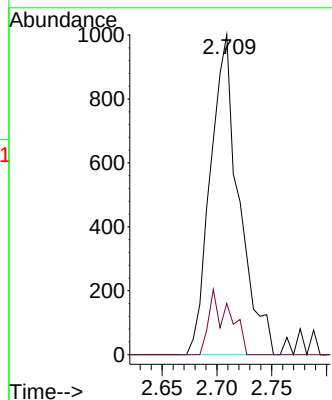
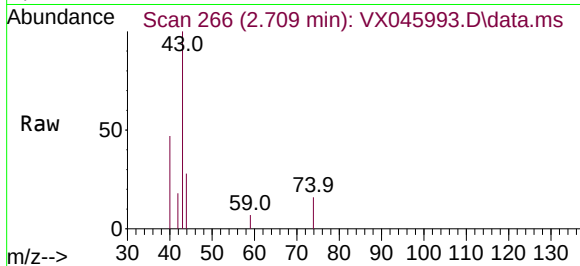




#18
Methyl Acetate
Concen: 1.673 ug/l
RT: 2.709 min Scan# 218
Delta R.T. 0.006 min
Lab File: VX045993.D
Acq: 30 Apr 2025 13:19

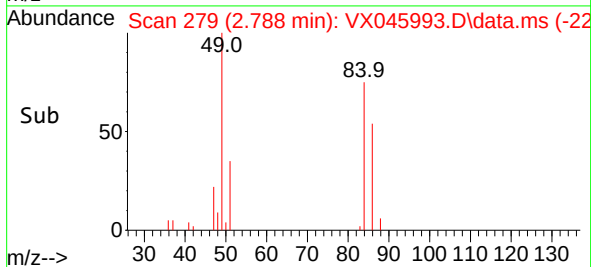
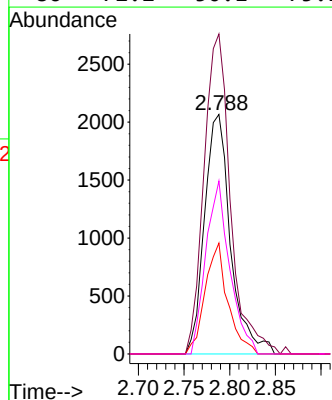
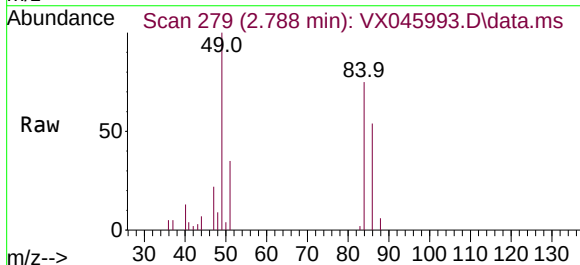
Instrument :
MSVOA_X
ClientSampleId :
B-170-SB01

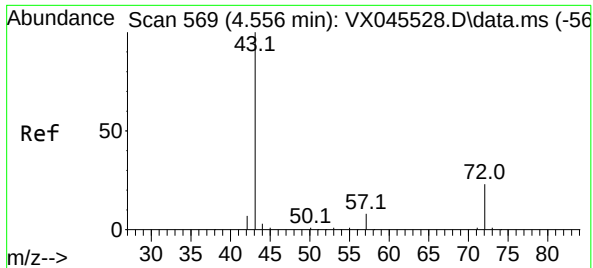
Tgt Ion: 43 Resp: 1813
Ion Ratio Lower Upper
43 100
74 14.7 17.5 26.3#



#20
Methylene Chloride
Concen: 4.661 ug/l
RT: 2.788 min Scan# 279
Delta R.T. 0.006 min
Lab File: VX045993.D
Acq: 30 Apr 2025 13:19

Tgt Ion: 84 Resp: 4107
Ion Ratio Lower Upper
84 100
49 133.6 107.5 161.3
51 46.3 33.0 49.6
86 72.2 50.1 75.1

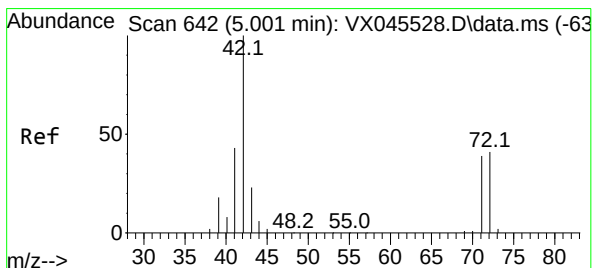
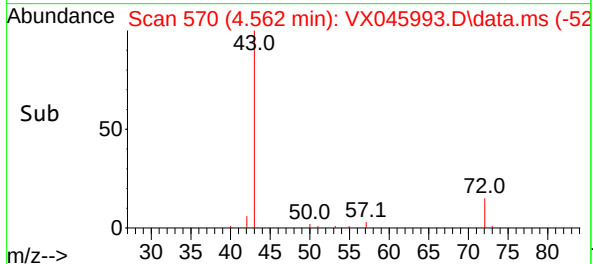
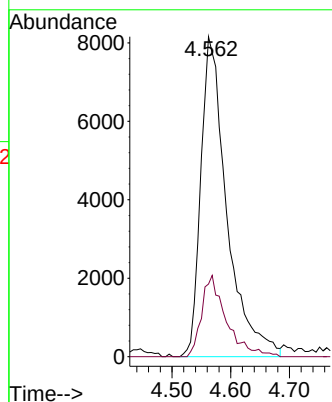
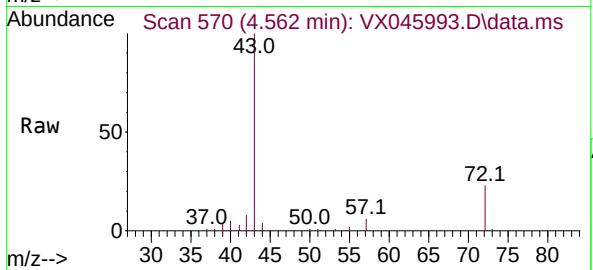




#25
2-Butanone
Concen: 36.460 ug/l
RT: 4.562 min Scan# 51
Delta R.T. 0.006 min
Lab File: VX045993.D
Acq: 30 Apr 2025 13:19

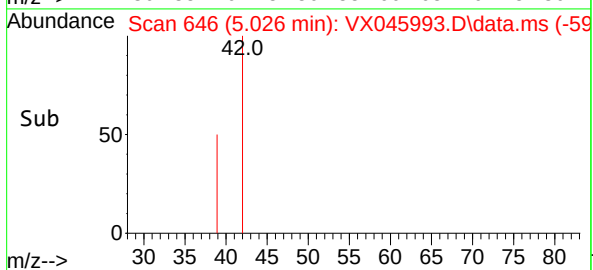
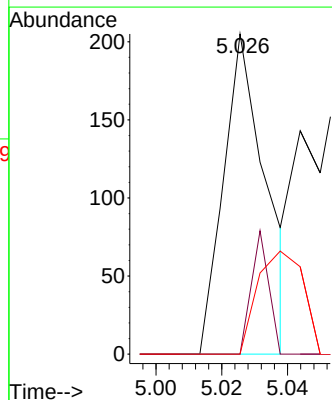
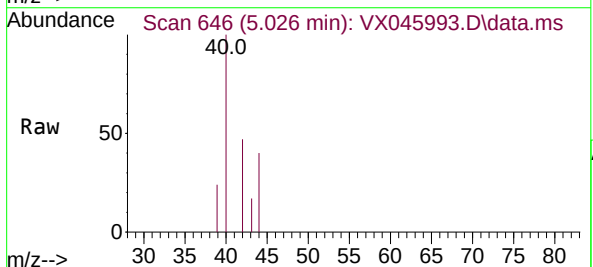
Instrument :
MSVOA_X
ClientSampleId :
B-170-SB01

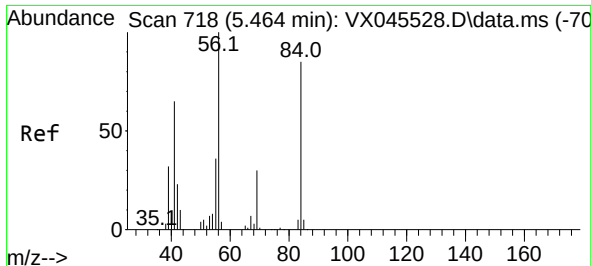
Tgt Ion: 43 Resp: 25122
Ion Ratio Lower Upper
43 100
72 22.7 18.6 28.0



#29
Tetrahydrofuran
Concen: 0.412 ug/l
RT: 5.026 min Scan# 646
Delta R.T. 0.024 min
Lab File: VX045993.D
Acq: 30 Apr 2025 13:19

Tgt Ion: 42 Resp: 184
Ion Ratio Lower Upper
42 100
72 15.8 33.4 50.0#
71 34.8 31.4 47.0

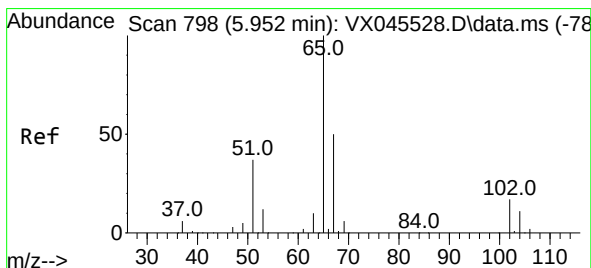
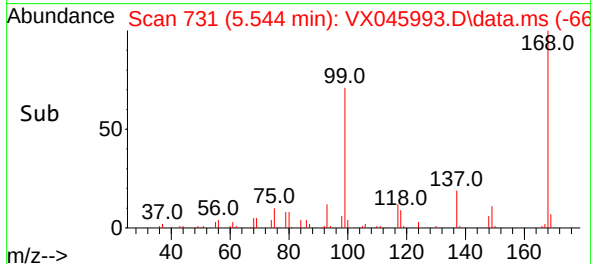
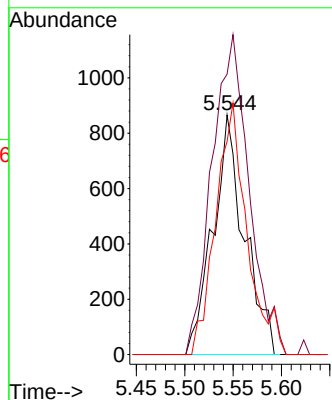
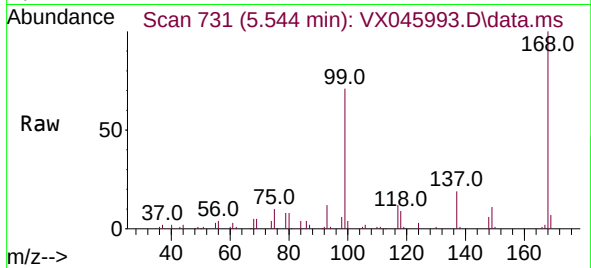




#31
Cyclohexane
Concen: 1.395 ug/l
RT: 5.544 min Scan# 718
Delta R.T. 0.079 min
Lab File: VX045993.D
Acq: 30 Apr 2025 13:19

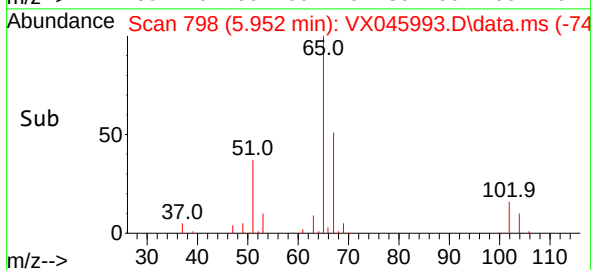
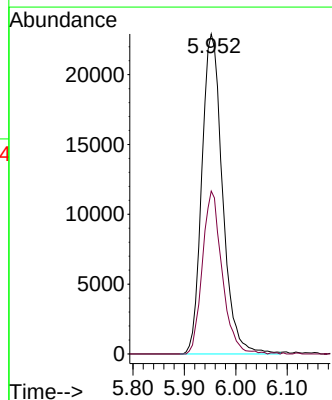
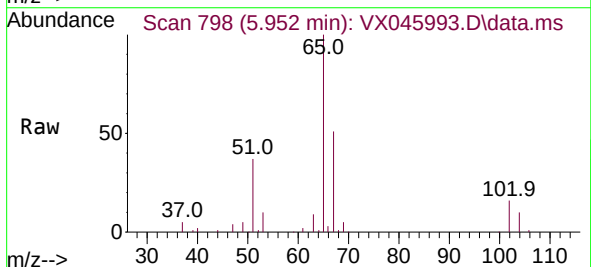
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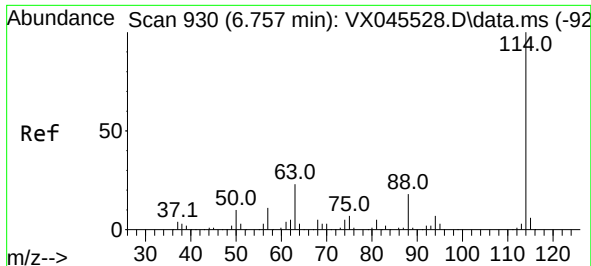
Tgt Ion: 56 Resp: 1961
Ion Ratio Lower Upper
56 100
69 117.0 23.6 35.4#
84 88.9 67.7 101.5



#33
1,2-Dichloroethane-d4
Concen: 55.827 ug/l
RT: 5.952 min Scan# 798
Delta R.T. 0.000 min
Lab File: VX045993.D
Acq: 30 Apr 2025 13:19

Tgt Ion: 65 Resp: 63996
Ion Ratio Lower Upper
65 100
67 48.5 0.0 99.0

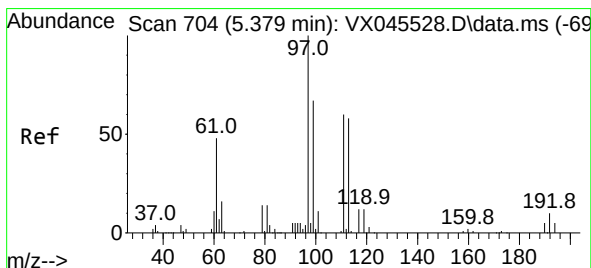
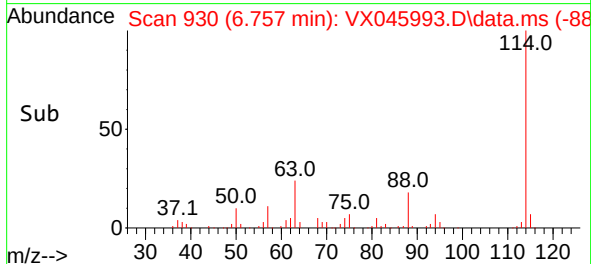
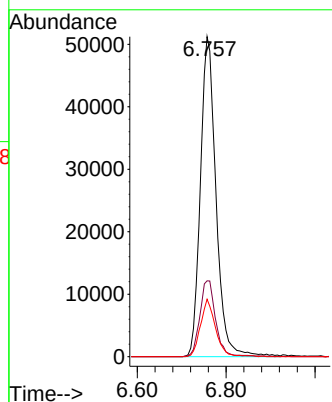
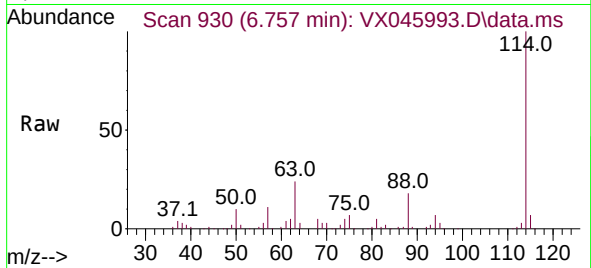




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.757 min Scan# 91
 Delta R.T. 0.000 min
 Lab File: VX045993.D
 Acq: 30 Apr 2025 13:19

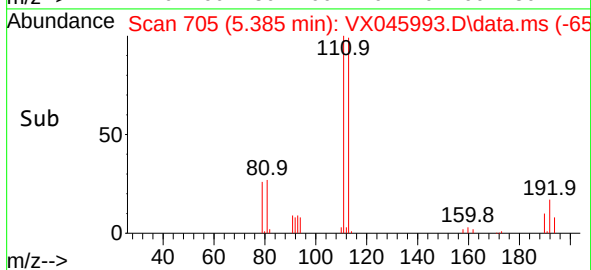
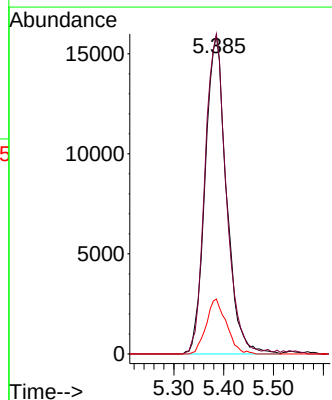
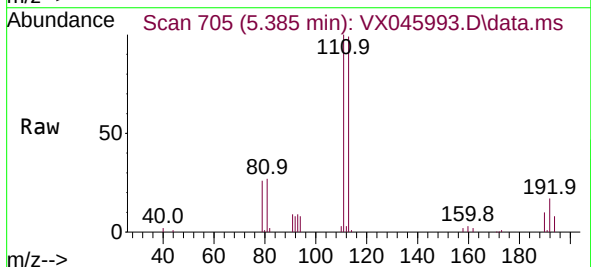
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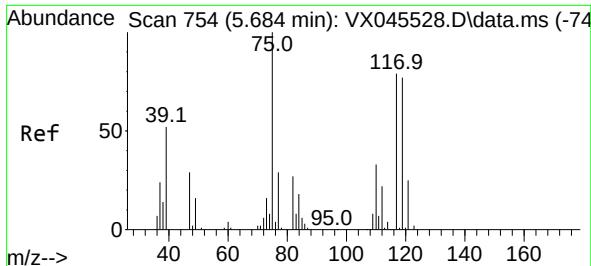
Tgt Ion:114 Resp: 125601
 Ion Ratio Lower Upper
 114 100
 63 23.7 0.0 46.8
 88 17.9 0.0 35.4



#35
 Dibromofluoromethane
 Concen: 52.845 ug/l
 RT: 5.385 min Scan# 705
 Delta R.T. 0.006 min
 Lab File: VX045993.D
 Acq: 30 Apr 2025 13:19

Tgt Ion:113 Resp: 47092
 Ion Ratio Lower Upper
 113 100
 111 100.4 81.8 122.6
 192 16.5 13.8 20.6





#36

1,1-Dichloropropene

Concen: 5.330 ug/l

RT: 5.550 min Scan# 71

Delta R.T. -0.134 min

Lab File: VX045993.D

Acq: 30 Apr 2025 13:19

Instrument :

MSVOA_X

ClientSampleId :

B-170-SB01

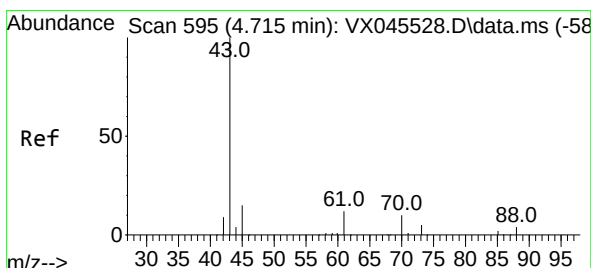
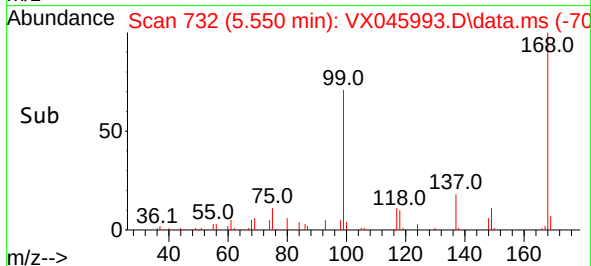
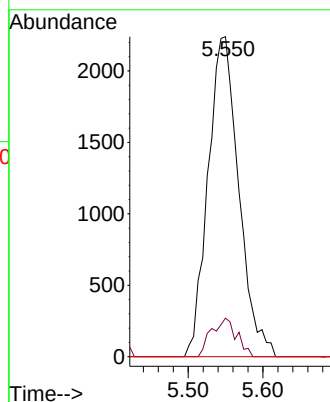
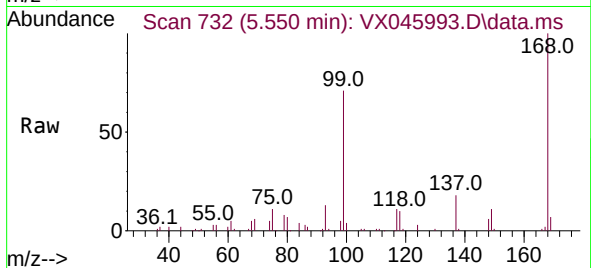
Tgt Ion: 75 Resp: 6413

Ion Ratio Lower Upper

75 100

110 9.9 16.9 50.6#

77 0.0 25.0 37.4#



#37

Ethyl Acetate

Concen: 16.568 ug/l

RT: 4.562 min Scan# 570

Delta R.T. -0.152 min

Lab File: VX045993.D

Acq: 30 Apr 2025 13:19

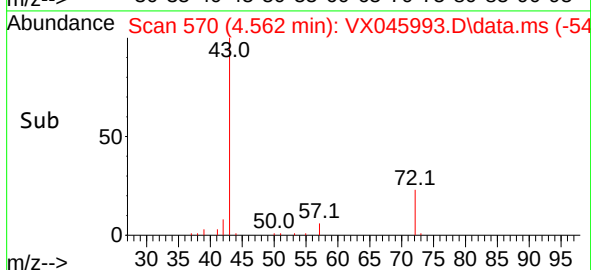
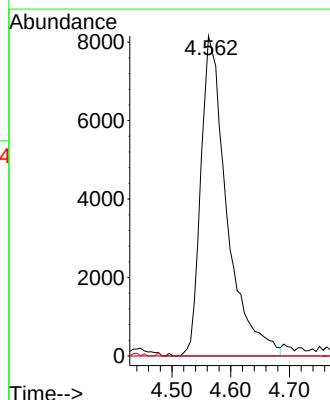
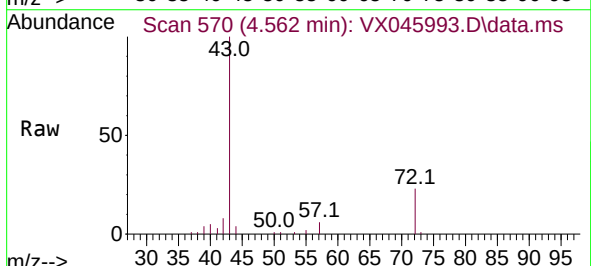
Tgt Ion: 43 Resp: 25122

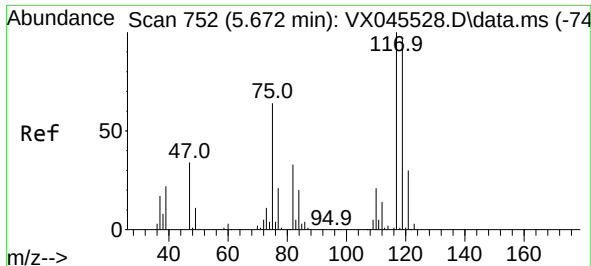
Ion Ratio Lower Upper

43 100

61 0.0 9.9 14.9#

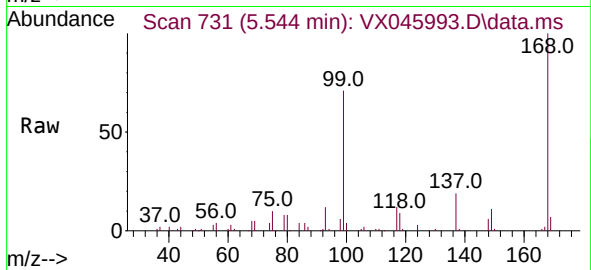
70 0.0 7.5 11.3#



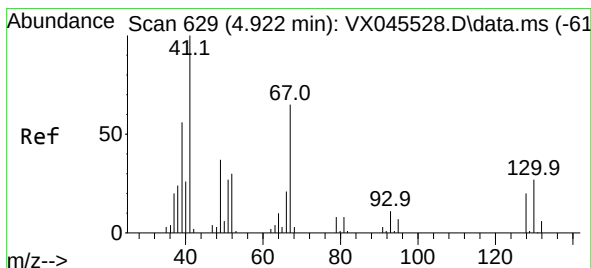
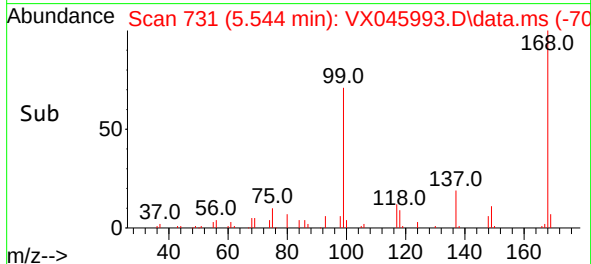
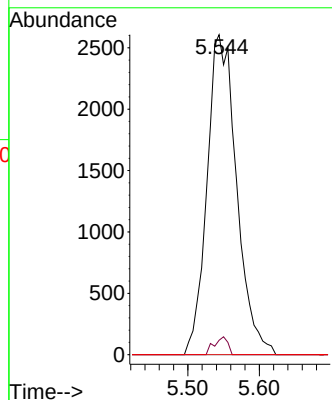


#38
Carbon Tetrachloride
Concen: 5.770 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.128 min
Lab File: VX045993.D
Acq: 30 Apr 2025 13:19

Instrument :
MSVOA_X
ClientSampleId :
B-170-SB01

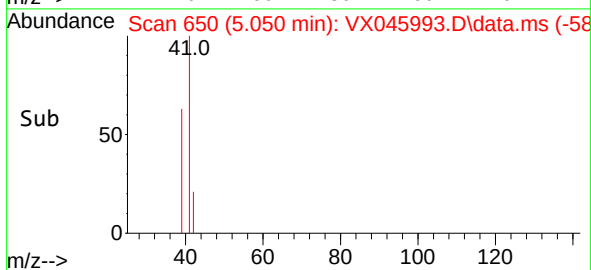
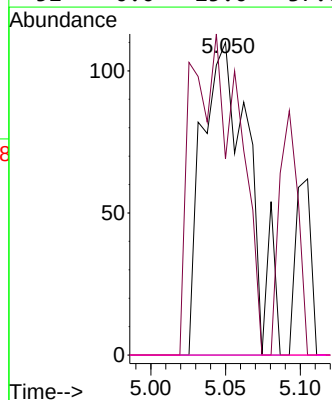
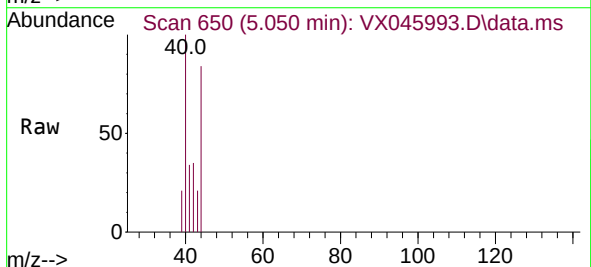


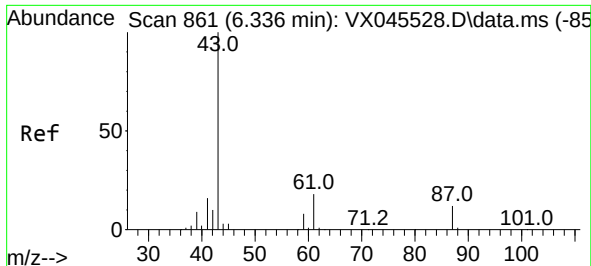
Tgt Ion:117 Resp: 7503
Ion Ratio Lower Upper
117 100
119 4.5 76.9 115.3#
121 0.0 24.2 36.2#



#41
Methacrylonitrile
Concen: 0.301 ug/l
RT: 5.050 min Scan# 650
Delta R.T. 0.128 min
Lab File: VX045993.D
Acq: 30 Apr 2025 13:19

Tgt Ion: 41 Resp: 241
Ion Ratio Lower Upper
41 100
39 0.0 47.0 70.6#
67 0.0 53.2 79.8#
52 0.0 25.0 37.6#

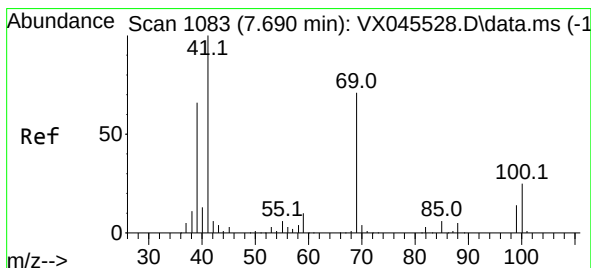
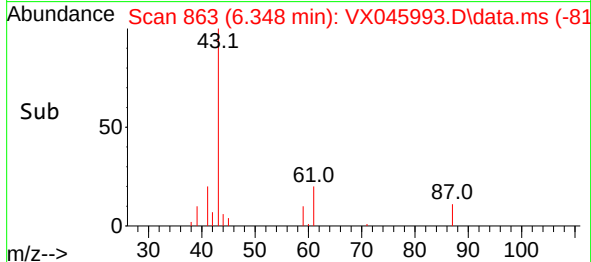
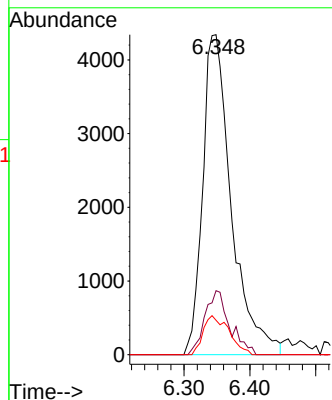
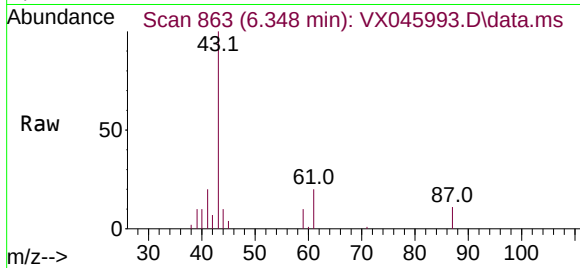




#43
Isopropyl Acetate
Concen: 5.731 ug/l
RT: 6.348 min Scan# 81
Delta R.T. 0.012 min
Lab File: VX045993.D
Acq: 30 Apr 2025 13:19

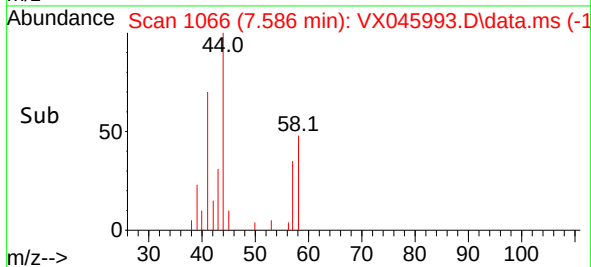
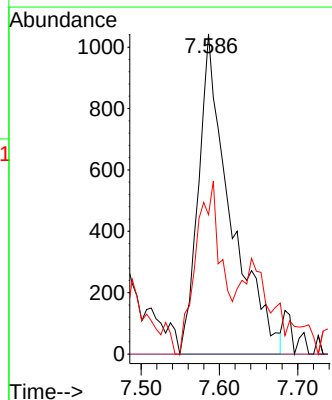
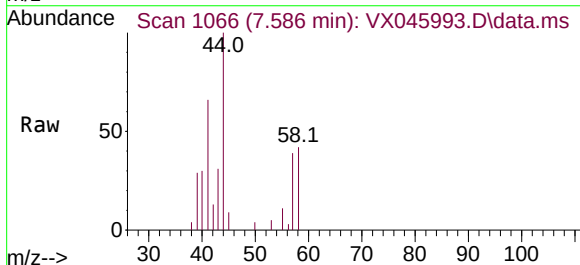
Instrument :
MSVOA_X
ClientSampleId :
B-170-SB01

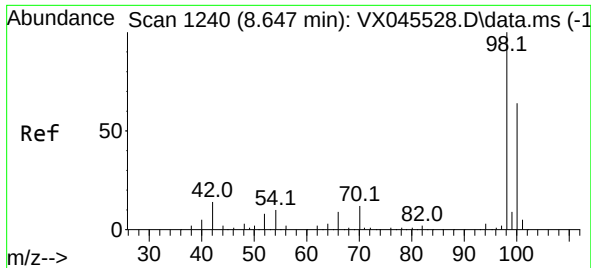
Tgt Ion: 43 Resp: 13171
Ion Ratio Lower Upper
43 100
61 17.3 14.1 21.1
87 11.0 9.2 13.8



#48
Methyl methacrylate
Concen: 2.481 ug/l
RT: 7.586 min Scan# 1066
Delta R.T. -0.104 min
Lab File: VX045993.D
Acq: 30 Apr 2025 13:19

Tgt Ion: 41 Resp: 2944
Ion Ratio Lower Upper
41 100
69 0.0 58.2 87.2#
39 43.5 53.6 80.4#

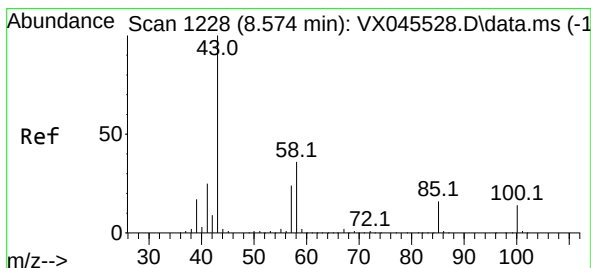
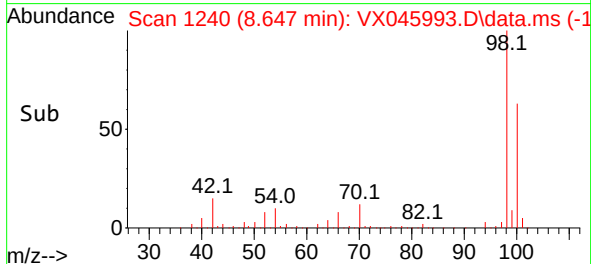
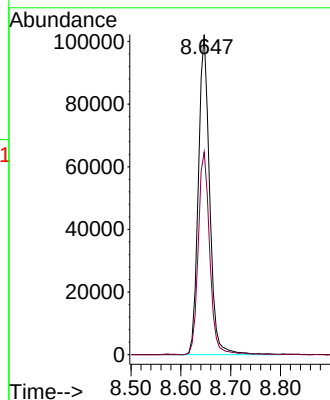
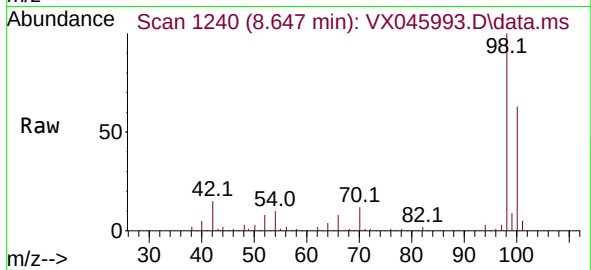




#50
Toluene-d8
Concen: 51.446 ug/l
RT: 8.647 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX045993.D
Acq: 30 Apr 2025 13:19

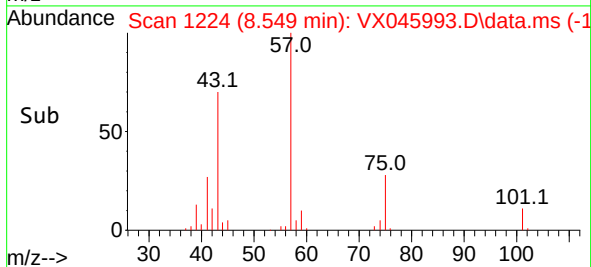
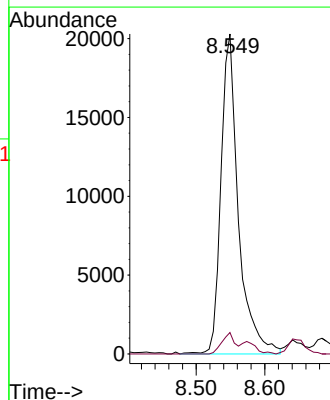
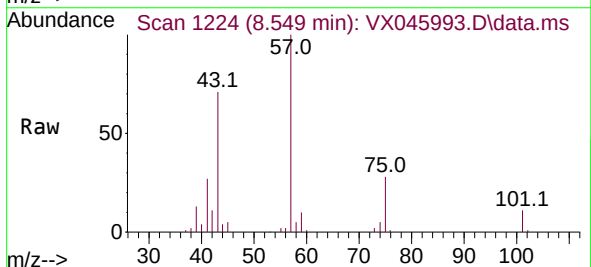
Instrument :
MSVOA_X
ClientSampleId :
B-170-SB01

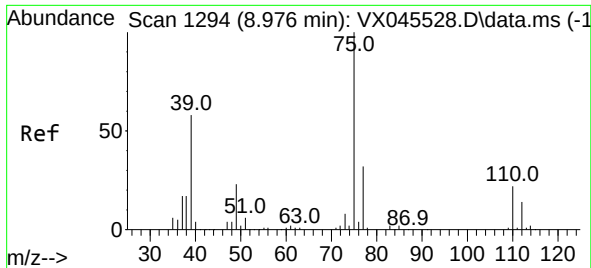
Tgt Ion: 98 Resp: 160020
Ion Ratio Lower Upper
98 100
100 64.6 52.2 78.4



#51
4-Methyl-2-Pentanone
Concen: 23.457 ug/l
RT: 8.549 min Scan# 1224
Delta R.T. -0.024 min
Lab File: VX045993.D
Acq: 30 Apr 2025 13:19

Tgt Ion: 43 Resp: 35736
Ion Ratio Lower Upper
43 100
58 4.9 28.5 42.7#

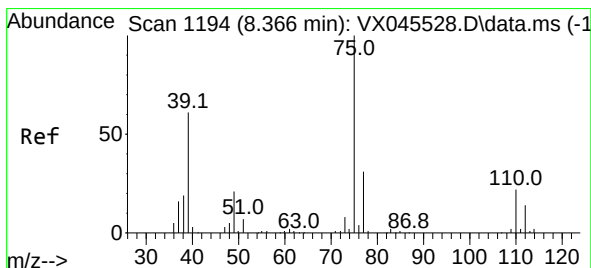
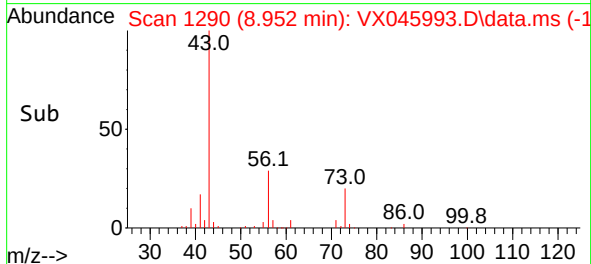
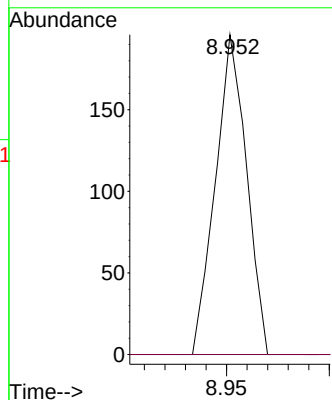
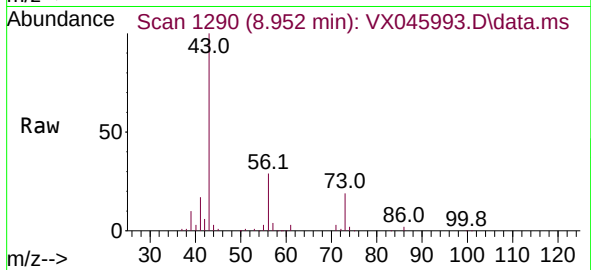




#53
 t-1,3-Dichloropropene
 Concen: 2.435 ug/l
 RT: 8.952 min Scan# 11
 Delta R.T. -0.024 min
 Lab File: VX045993.D
 Acq: 30 Apr 2025 13:19

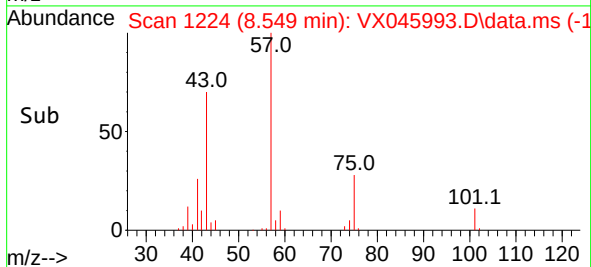
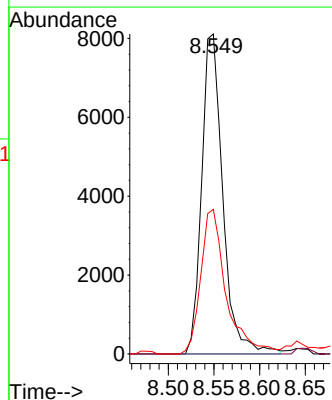
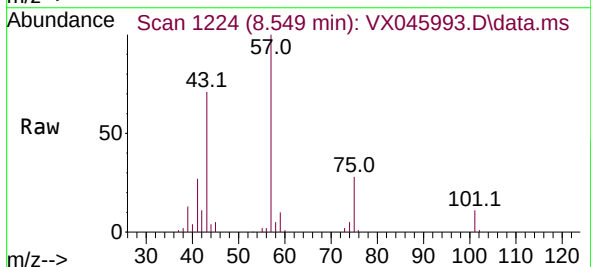
Instrument :
 MSVOA_X
 ClientSampleId :
 B-170-SB01

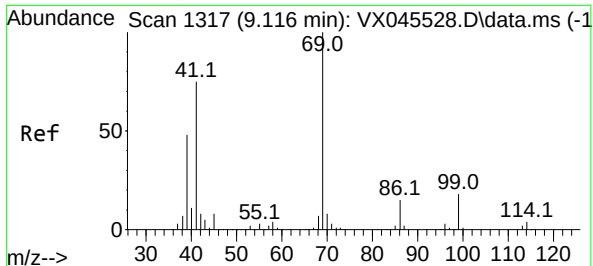
Tgt Ion: 75 Resp: 206
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.4 38.0#



#54
 cis-1,3-Dichloropropene
 Concen: 9.861 ug/l
 RT: 8.549 min Scan# 1224
 Delta R.T. 0.183 min
 Lab File: VX045993.D
 Acq: 30 Apr 2025 13:19

Tgt Ion: 75 Resp: 13025
 Ion Ratio Lower Upper
 75 100
 77 0.0 24.6 36.8#
 39 45.2 48.4 72.6#





#56

Ethyl methacrylate

Concen: 0.219 ug/l

RT: 9.244 min Scan# 1

Delta R.T. 0.128 min

Lab File: VX045993.D

Acq: 30 Apr 2025 13:19

Instrument :

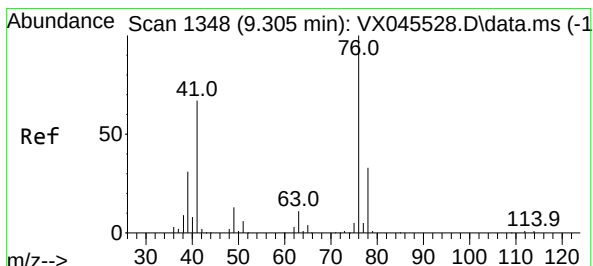
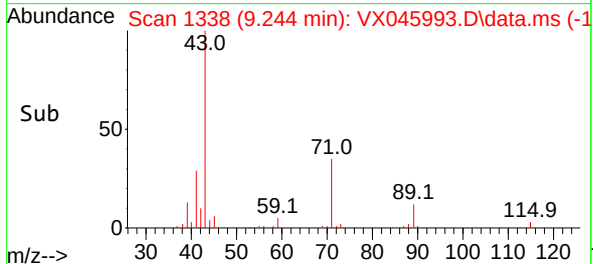
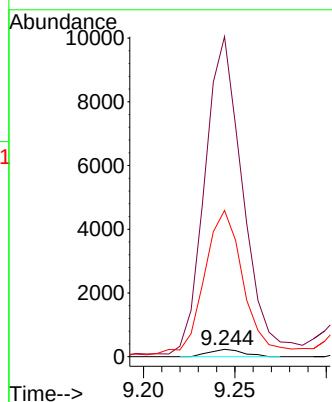
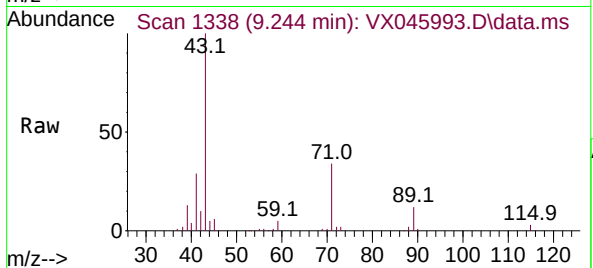
MSVOA_X

ClientSampleId :

B-170-SB01

Tgt Ion: 69 Resp: 300

Ion	Ratio	Lower	Upper
69	100		
41	4972.0	61.3	91.9#
39	2368.0	40.2	60.2#



#57

1,3-Dichloropropane

Concen: 0.849 ug/l

RT: 9.482 min Scan# 1377

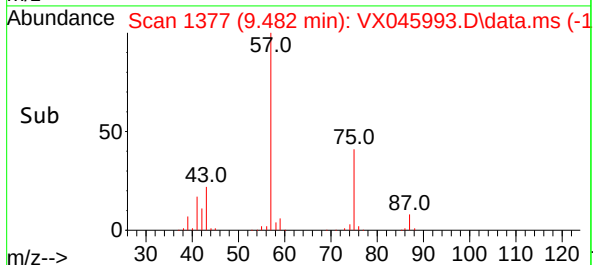
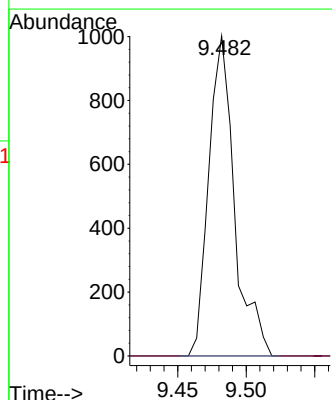
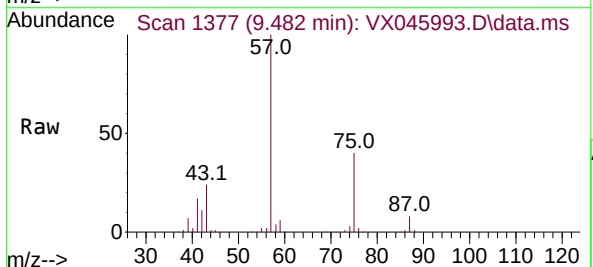
Delta R.T. 0.177 min

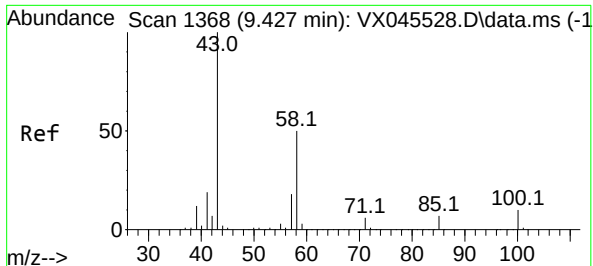
Lab File: VX045993.D

Acq: 30 Apr 2025 13:19

Tgt Ion: 76 Resp: 1310

Ion	Ratio	Lower	Upper
76	100		
78	0.0	26.0	39.0#





#59

2-Hexanone

Concen: 7.902 ug/l

RT: 9.433 min Scan# 1369

Delta R.T. 0.006 min

Lab File: VX045993.D

Acq: 30 Apr 2025 13:19

Instrument :

MSVOA_X

ClientSampleId :

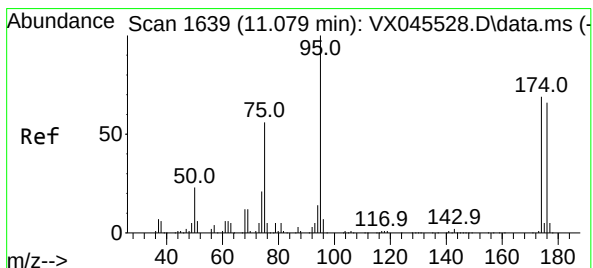
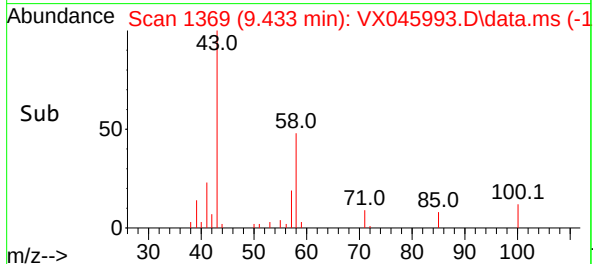
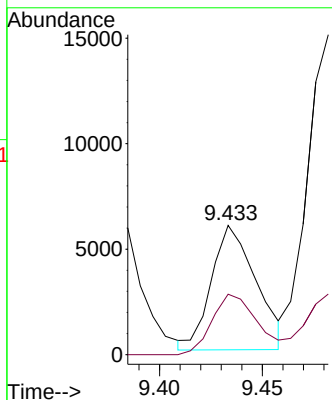
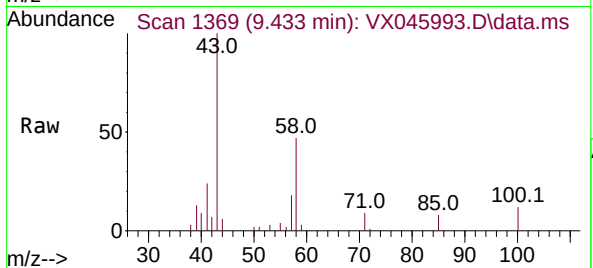
B-170-SB01

Tgt Ion: 43 Resp: 8915

Ion Ratio Lower Upper

43 100

58 49.2 24.9 74.6



#62

4-Bromofluorobenzene

Concen: 52.928 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.000 min

Lab File: VX045993.D

Acq: 30 Apr 2025 13:19

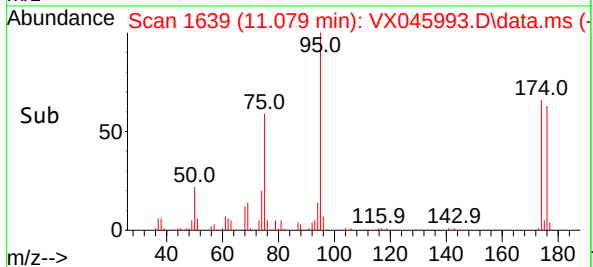
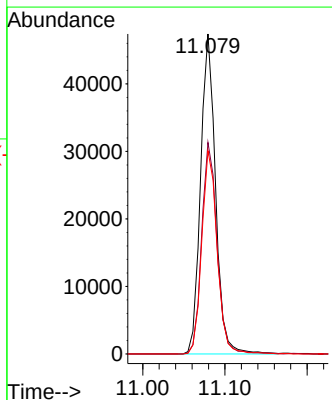
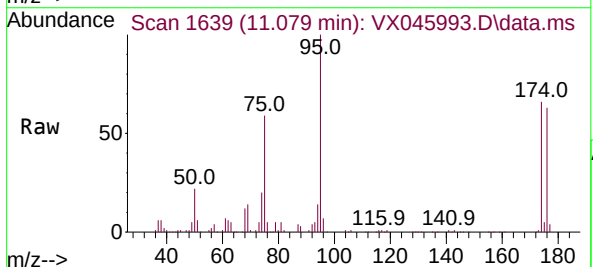
Tgt Ion: 95 Resp: 59966

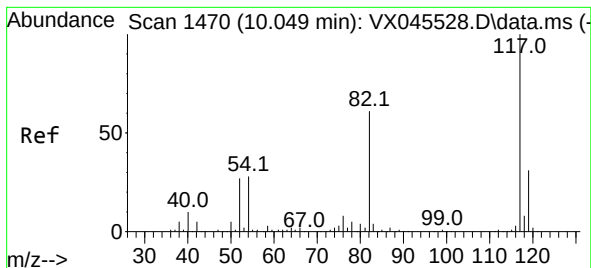
Ion Ratio Lower Upper

95 100

174 68.0 0.0 135.8

176 65.2 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: VX045993.D

Acq: 30 Apr 2025 13:19

Instrument :

MSVOA_X

ClientSampleId :

B-170-SB01

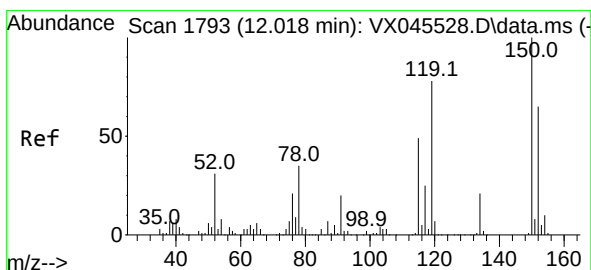
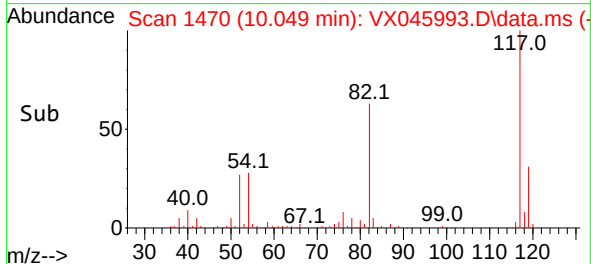
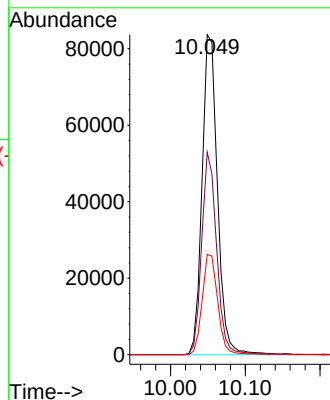
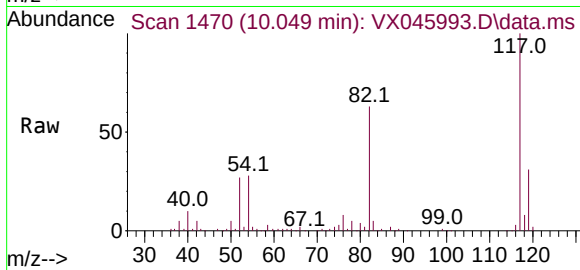
Tgt Ion:117 Resp: 119798

Ion Ratio Lower Upper

117 100

82 63.3 49.2 73.8

119 31.3 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: VX045993.D

Acq: 30 Apr 2025 13:19

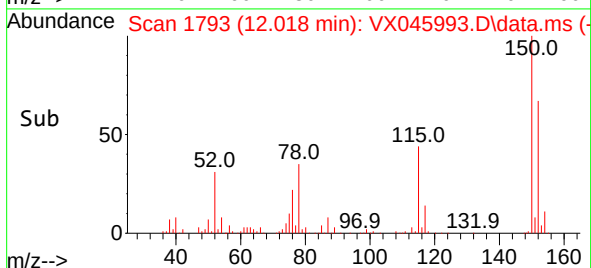
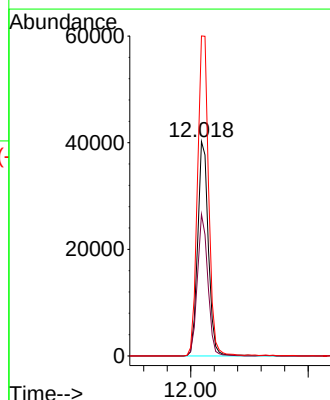
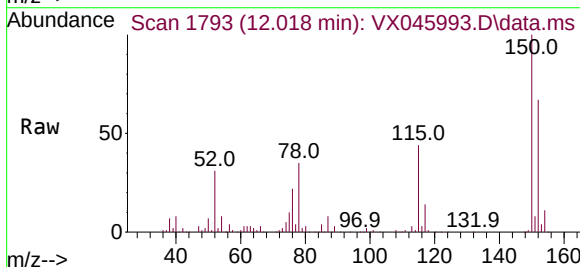
Tgt Ion:152 Resp: 50854

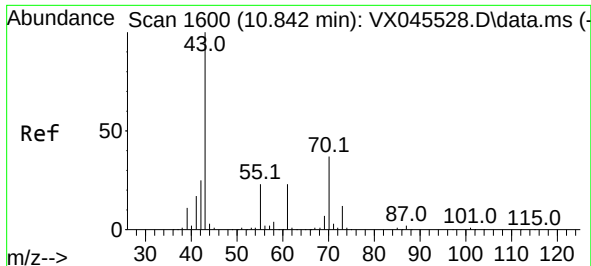
Ion Ratio Lower Upper

152 100

115 64.6 46.9 140.7

150 155.2 0.0 349.4

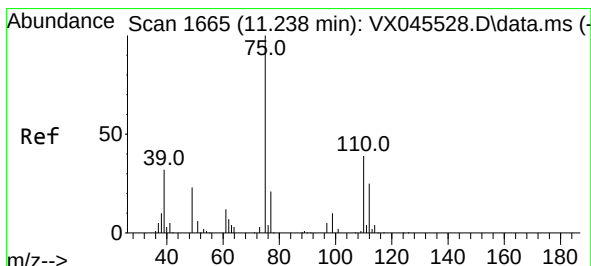
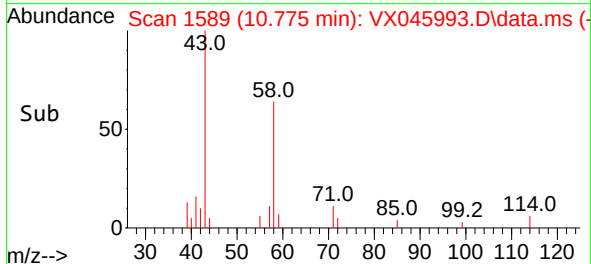
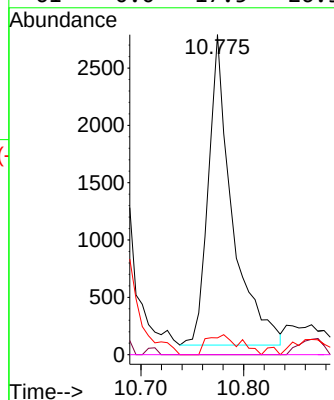
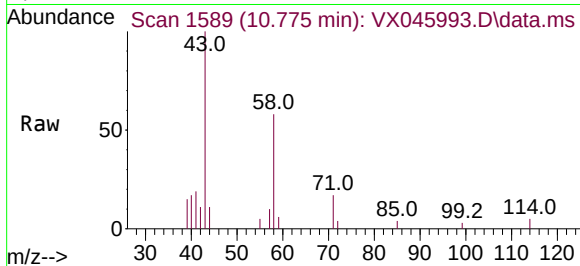




#74
N-amy1 acetate
Concen: 2.233 ug/l
RT: 10.775 min Scan# 11
Delta R.T. -0.067 min
Lab File: VX045993.D
Acq: 30 Apr 2025 13:19

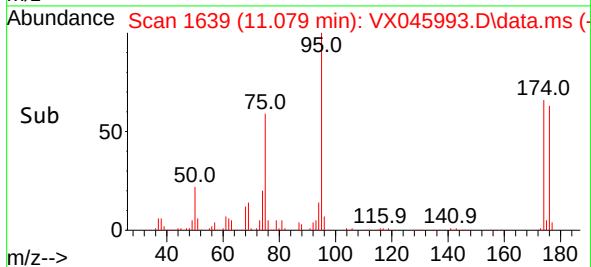
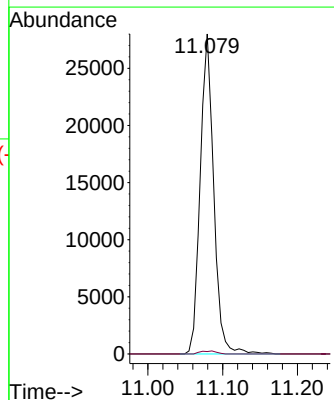
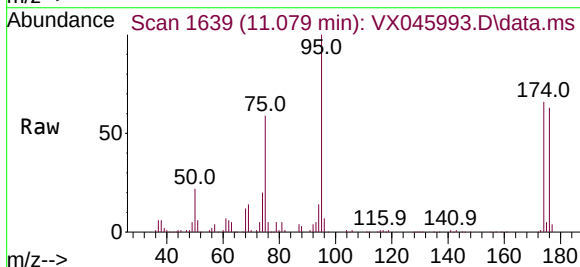
Instrument :
MSVOA_X
ClientSampleId :
B-170-SB01

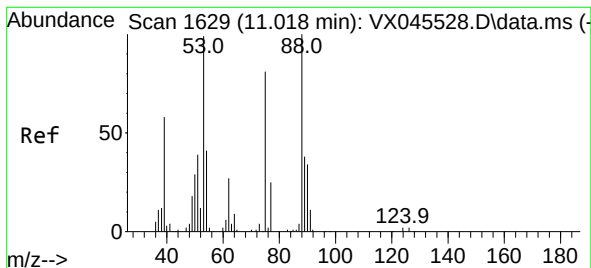
Tgt Ion: 43 Resp: 4351
Ion Ratio Lower Upper
43 100
70 0.0 30.1 45.1#
55 8.8 18.3 27.5#
61 0.0 17.5 26.3#



#76
1,2,3-Trichloropropane
Concen: 28.402 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.158 min
Lab File: VX045993.D
Acq: 30 Apr 2025 13:19

Tgt Ion: 75 Resp: 35231
Ion Ratio Lower Upper
75 100
77 1.1 20.0 59.9#

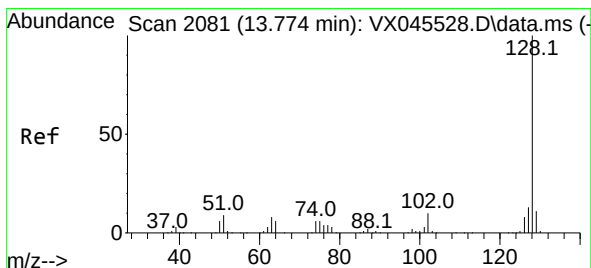
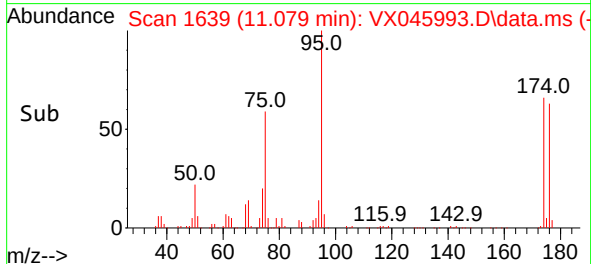
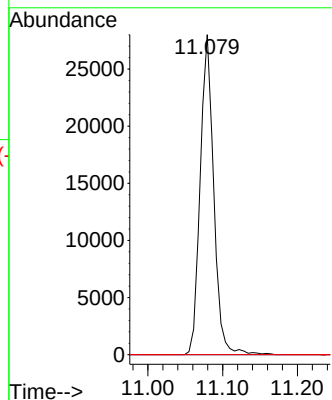
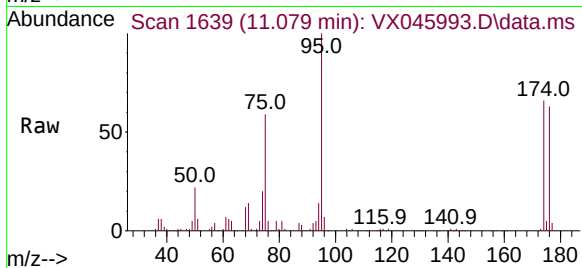




#81
 trans-1,4-Dichloro-2-butene
 Concen: 96.392 ug/l
 RT: 11.079 min Scan# 1639
 Delta R.T. 0.061 min
 Lab File: VX045993.D
 Acq: 30 Apr 2025 13:19

Instrument :
 MSVOA_X
 ClientSampleId :
 B-170-SB01

Tgt Ion: 75 Resp: 35231
 Ion Ratio Lower Upper
 75 100
 53 0.0 101.8 152.6#
 89 0.0 37.2 55.8#



#95
 Naphthalene
 Concen: 0.957 ug/l
 RT: 13.780 min Scan# 2082
 Delta R.T. 0.006 min
 Lab File: VX045993.D
 Acq: 30 Apr 2025 13:19

Tgt Ion: 128 Resp: 3377
 Ion Ratio Lower Upper
 128 100
 127 10.3 10.3 15.5#
 129 7.3 8.6 12.8#

