

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX042825\
 Data File : VX045964.D
 Acq On : 28 Apr 2025 18:09
 Operator : JC/MD
 Sample : Q1895-06
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 22 Sample Multiplier: 1

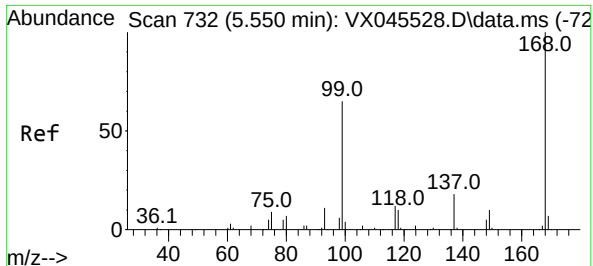
Instrument :
 MSVOA_X
 ClientSampleId :
 COMP-3

Quant Time: Apr 29 01:36:11 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	64237	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	127833	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	121065	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	52897	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	64149	54.608	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 109.220%	
35) Dibromofluoromethane	5.379	113	47116	51.948	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 103.900%	
50) Toluene-d8	8.647	98	163090	51.518	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 103.040%	
62) 4-Bromofluorobenzene	11.079	95	62628	54.312	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 108.620%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	2.971	59	4266	27.022	ug/l	98
13) Acrolein	2.240	56	95	0.437	ug/l #	65
16) Acetone	2.386	43	29979	62.149	ug/l	96
18) Methyl Acetate	2.703	43	2212	1.992	ug/l #	86
20) Methylene Chloride	2.788	84	3612	4.000	ug/l	95
25) 2-Butanone	4.562	43	24830	35.165	ug/l	96
29) Tetrahydrofuran	5.038	42	446	0.974	ug/l #	35
31) Cyclohexane	5.544	56	1912	1.327	ug/l #	37
36) 1,1-Dichloropropene	5.544	75	6468	5.282	ug/l #	50
37) Ethyl Acetate	4.562	43	24830	16.089	ug/l #	71
38) Carbon Tetrachloride	5.544	117	7975	6.026	ug/l #	15
43) Isopropyl Acetate	6.349	43	14201	6.071	ug/l	97
48) Methyl methacrylate	7.793	41	42920	35.540	ug/l #	49
51) 4-Methyl-2-Pentanone	8.549	43	37778	24.364	ug/l #	53
53) t-1,3-Dichloropropene	8.952	75	209	2.434	ug/l #	43
54) cis-1,3-Dichloropropene	8.549	75	14562	10.832	ug/l #	66
57) 1,3-Dichloropropane	9.482	76	1283	0.817	ug/l #	42
59) 2-Hexanone	9.433	43	10248	8.925	ug/l	93
74) N-amyl acetate	10.775	43	4917	2.426	ug/l #	51
76) 1,2,3-Trichloropropane	11.079	75	36573	28.345	ug/l #	37
81) trans-1,4-Dichloro-2-b...	11.079	75	36573	96.199	ug/l #	1

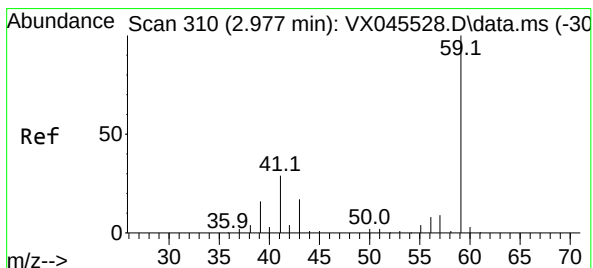
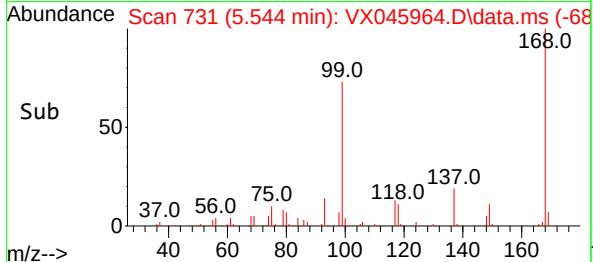
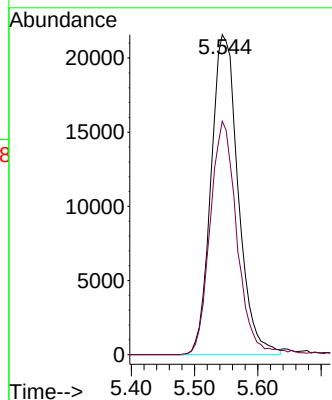
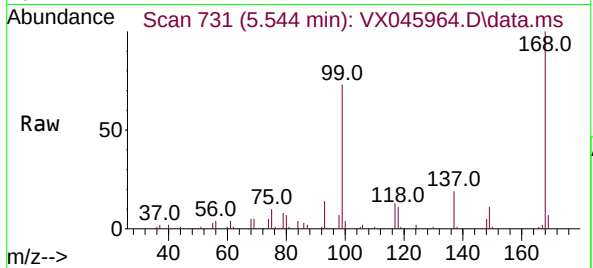
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX045964.D
Acq: 28 Apr 2025 18:09

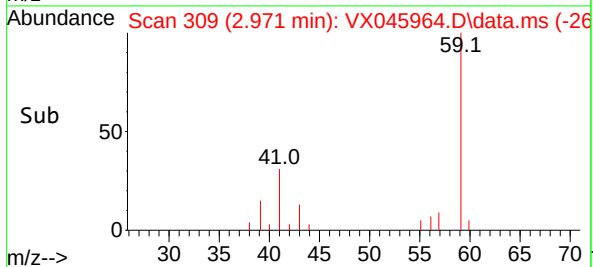
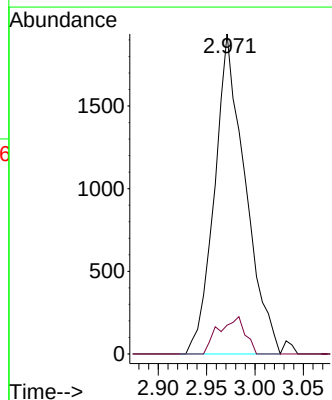
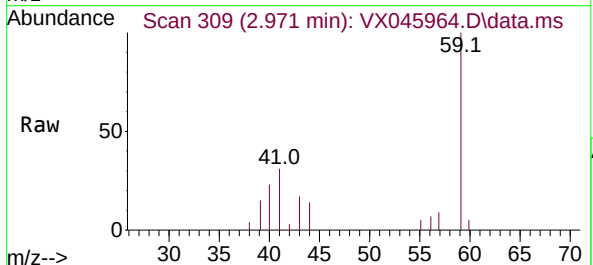
Instrument :
MSVOA_X
ClientSampleId :
COMP-3

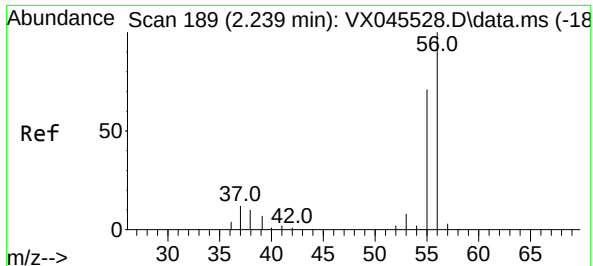
Tgt Ion:168 Resp: 64237
Ion Ratio Lower Upper
168 100
99 72.9 52.3 78.5



#11
Tert butyl alcohol
Concen: 27.022 ug/l
RT: 2.971 min Scan# 309
Delta R.T. -0.006 min
Lab File: VX045964.D
Acq: 28 Apr 2025 18:09

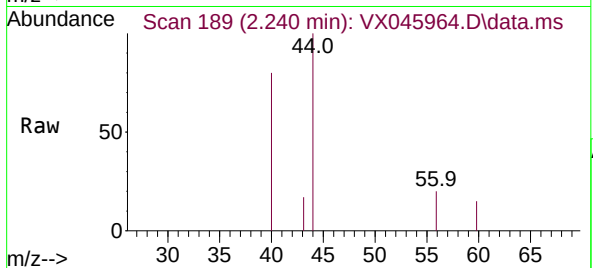
Tgt Ion: 59 Resp: 4266
Ion Ratio Lower Upper
59 100
57 10.0 8.6 12.8



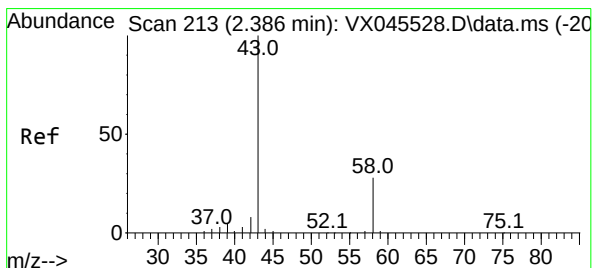
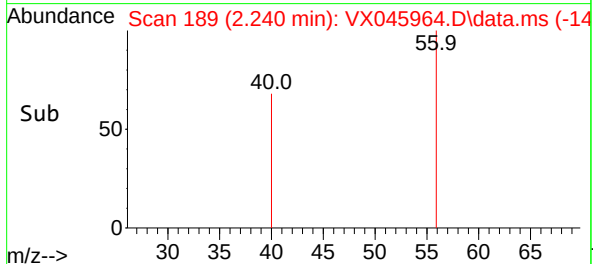
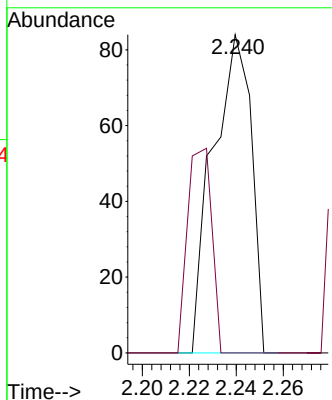


#13
Acrolein
Concen: 0.437 ug/l
RT: 2.240 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX045964.D
Acq: 28 Apr 2025 18:09

Instrument :
MSVOA_X
ClientSampleId :
COMP-3

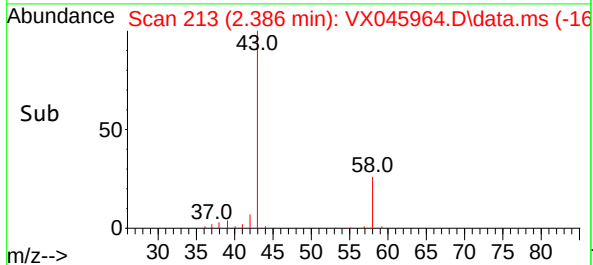
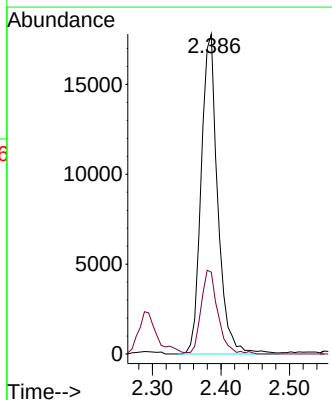
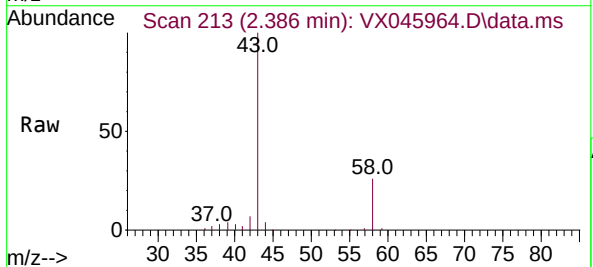


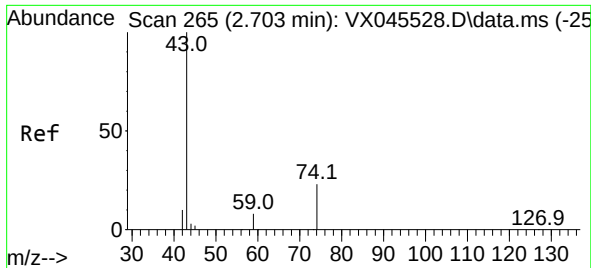
Tgt Ion: 56 Resp: 95
Ion Ratio Lower Upper
56 100
55 41.1 56.2 84.2#



#16
Acetone
Concen: 62.149 ug/l
RT: 2.386 min Scan# 213
Delta R.T. 0.000 min
Lab File: VX045964.D
Acq: 28 Apr 2025 18:09

Tgt Ion: 43 Resp: 29979
Ion Ratio Lower Upper
43 100
58 25.6 22.3 33.5

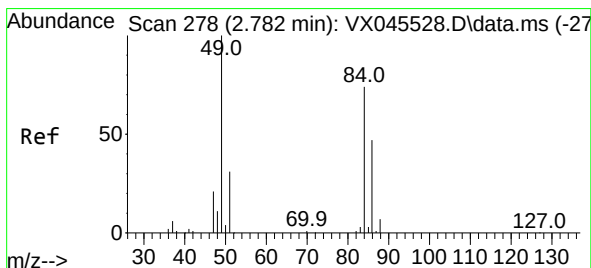
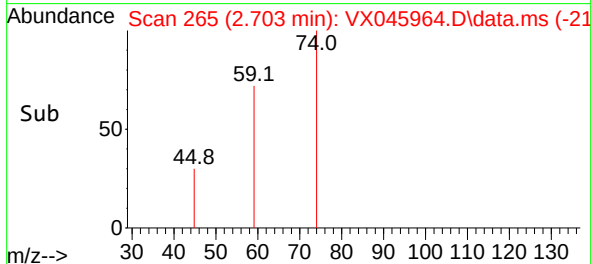
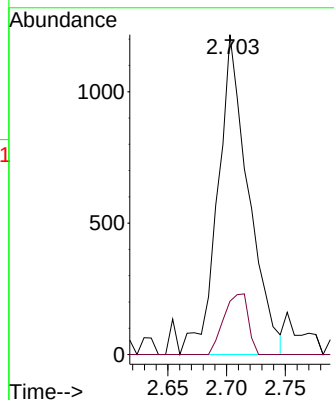
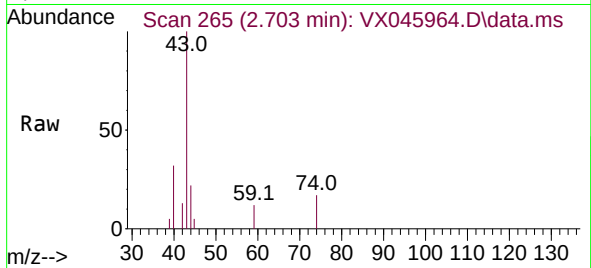




#18
Methyl Acetate
Concen: 1.992 ug/l
RT: 2.703 min Scan# 218
Delta R.T. 0.000 min
Lab File: VX045964.D
Acq: 28 Apr 2025 18:09

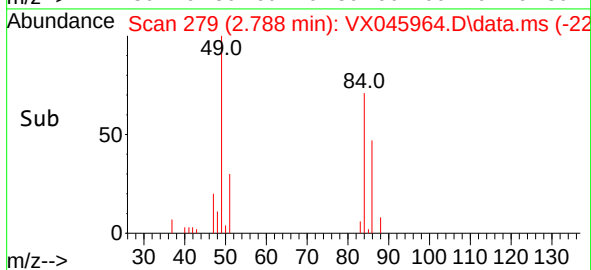
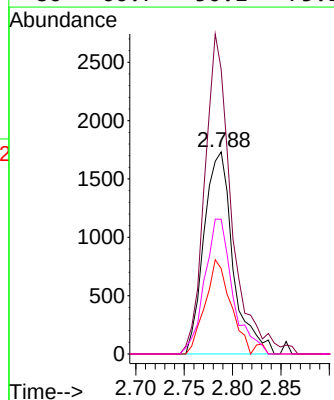
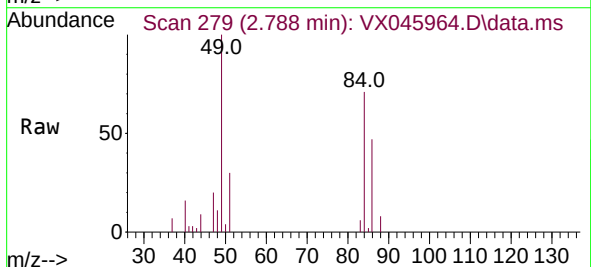
Instrument :
MSVOA_X
ClientSampleId :
COMP-3

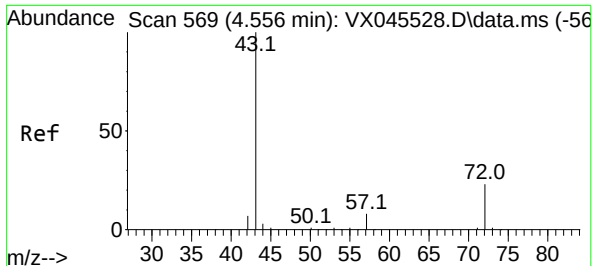
Tgt Ion: 43 Resp: 2212
Ion Ratio Lower Upper
43 100
74 15.1 17.5 26.3#



#20
Methylene Chloride
Concen: 4.000 ug/l
RT: 2.788 min Scan# 279
Delta R.T. 0.006 min
Lab File: VX045964.D
Acq: 28 Apr 2025 18:09

Tgt Ion: 84 Resp: 3612
Ion Ratio Lower Upper
84 100
49 140.9 107.5 161.3
51 42.3 33.0 49.6
86 66.7 50.1 75.1





#25

2-Butanone

Concen: 35.165 ug/l

RT: 4.562 min Scan# 51

Delta R.T. 0.006 min

Lab File: VX045964.D

Acq: 28 Apr 2025 18:09

Instrument :

MSVOA_X

ClientSampleId :

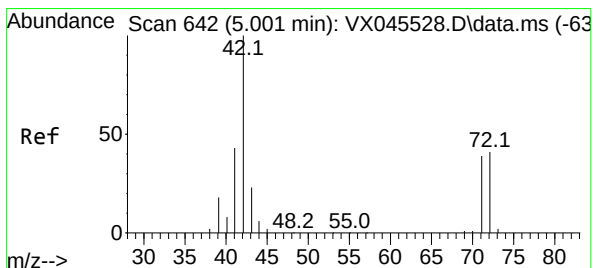
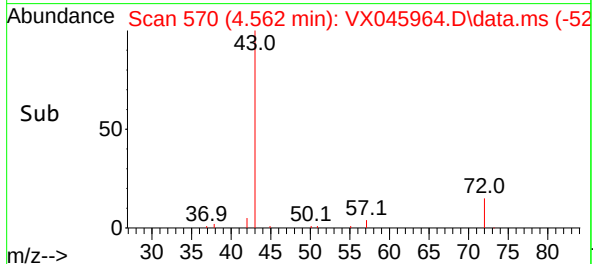
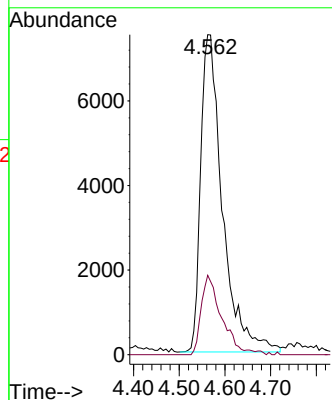
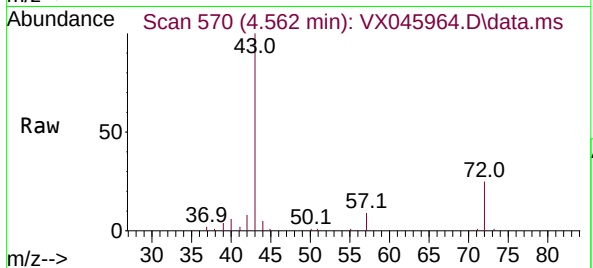
COMP-3

Tgt Ion: 43 Resp: 24830

Ion Ratio Lower Upper

43 100

72 25.0 18.6 28.0



#29

Tetrahydrofuran

Concen: 0.974 ug/l

RT: 5.038 min Scan# 648

Delta R.T. 0.037 min

Lab File: VX045964.D

Acq: 28 Apr 2025 18:09

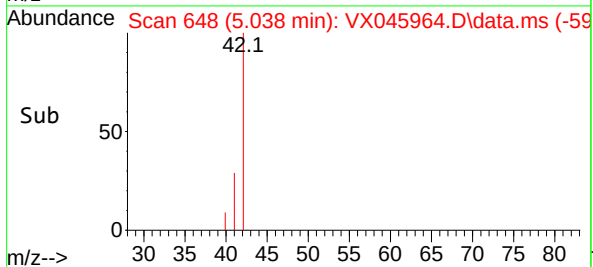
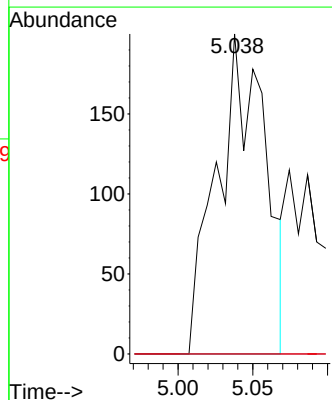
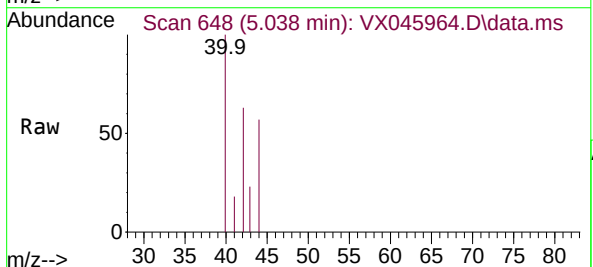
Tgt Ion: 42 Resp: 446

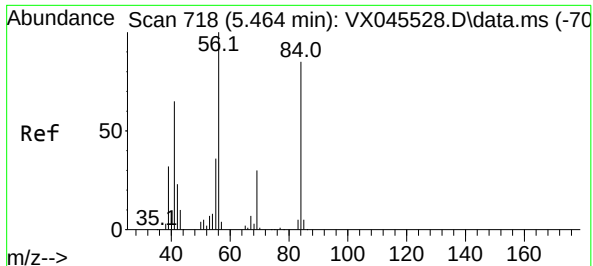
Ion Ratio Lower Upper

42 100

72 0.0 33.4 50.0#

71 0.0 31.4 47.0#

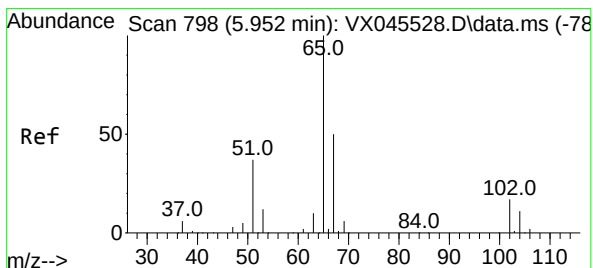
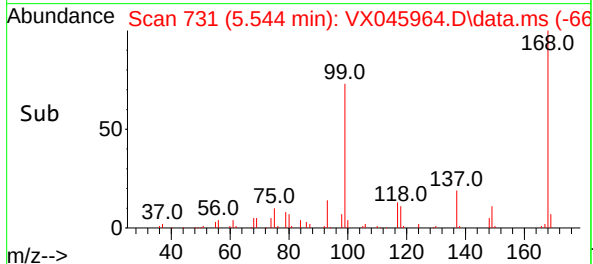
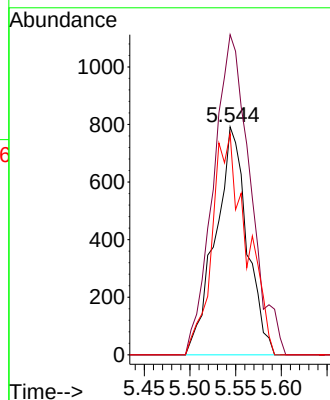
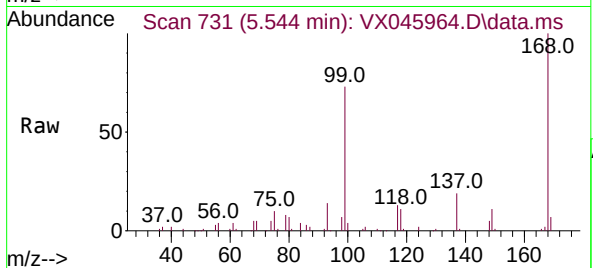




#31
Cyclohexane
Concen: 1.327 ug/l
RT: 5.544 min Scan# 718
Delta R.T. 0.079 min
Lab File: VX045964.D
Acq: 28 Apr 2025 18:09

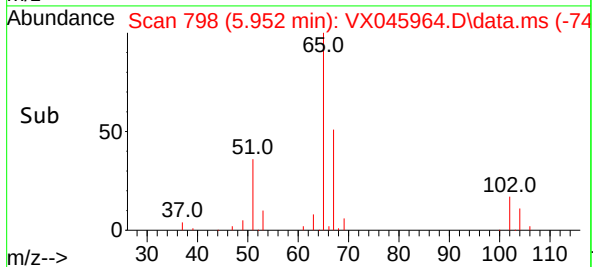
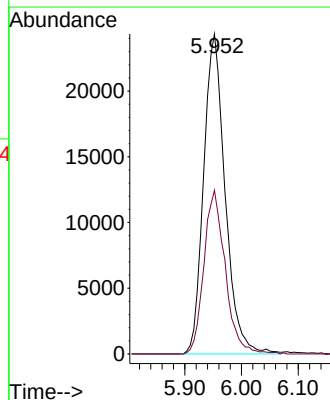
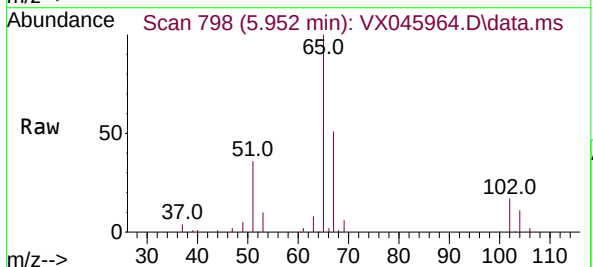
Instrument :
MSVOA_X
ClientSampleId :
COMP-3

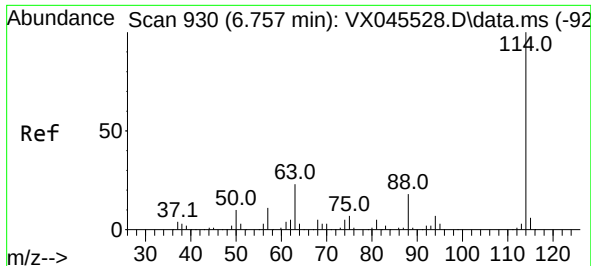
Tgt Ion: 56 Resp: 1912
Ion Ratio Lower Upper
56 100
69 140.4 23.6 35.4#
84 97.0 67.7 101.5



#33
1,2-Dichloroethane-d4
Concen: 54.608 ug/l
RT: 5.952 min Scan# 798
Delta R.T. 0.000 min
Lab File: VX045964.D
Acq: 28 Apr 2025 18:09

Tgt Ion: 65 Resp: 64149
Ion Ratio Lower Upper
65 100
67 50.7 0.0 99.0

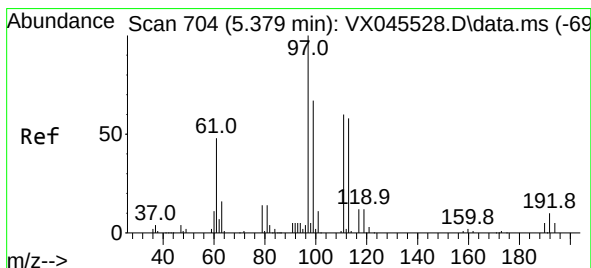
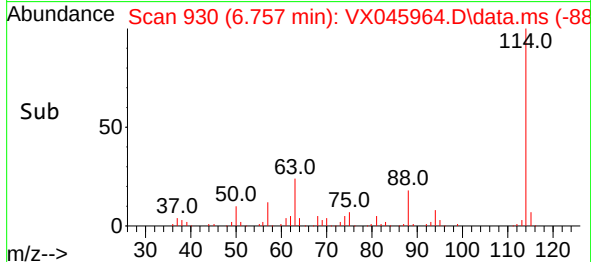
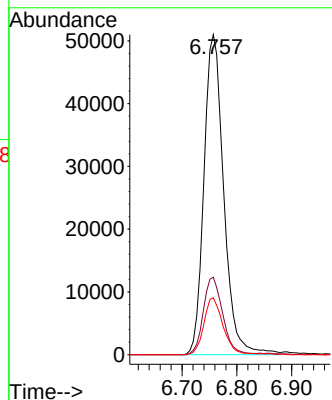
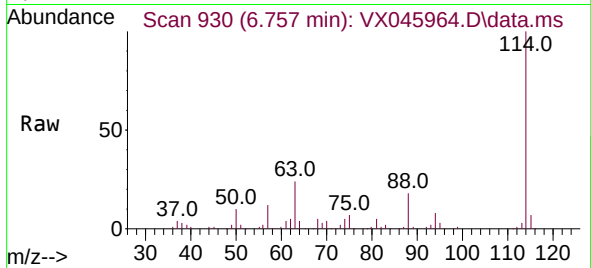




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.757 min Scan# 91
 Delta R.T. 0.000 min
 Lab File: VX045964.D
 Acq: 28 Apr 2025 18:09

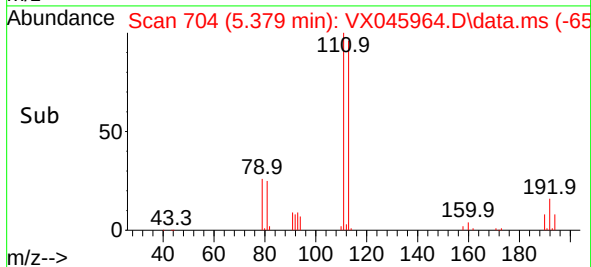
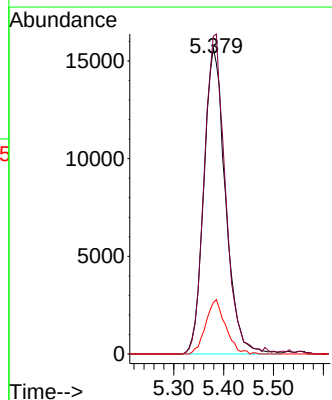
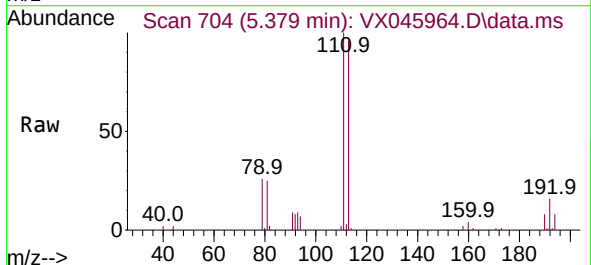
Instrument :
 MSVOA_X
 ClientSampleId :
 COMP-3

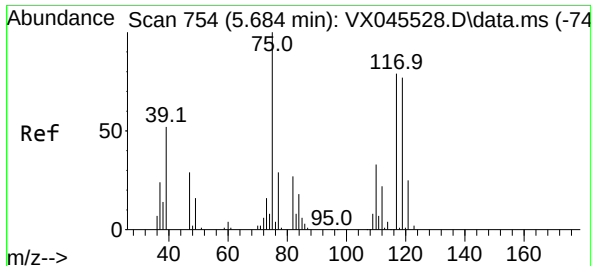
Tgt Ion:114 Resp: 127833
 Ion Ratio Lower Upper
 114 100
 63 24.2 0.0 46.8
 88 17.8 0.0 35.4



#35
 Dibromofluoromethane
 Concen: 51.948 ug/l
 RT: 5.379 min Scan# 704
 Delta R.T. 0.000 min
 Lab File: VX045964.D
 Acq: 28 Apr 2025 18:09

Tgt Ion:113 Resp: 47116
 Ion Ratio Lower Upper
 113 100
 111 102.1 81.8 122.6
 192 16.3 13.8 20.6





#36

1,1-Dichloropropene

Concen: 5.282 ug/l

RT: 5.544 min Scan# 71

Delta R.T. -0.140 min

Lab File: VX045964.D

Acq: 28 Apr 2025 18:09

Instrument :

MSVOA_X

ClientSampleId :

COMP-3

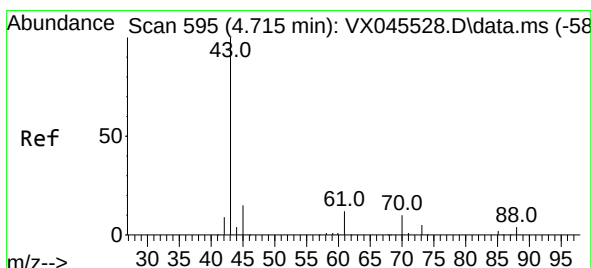
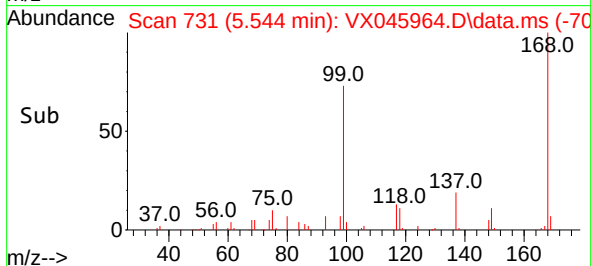
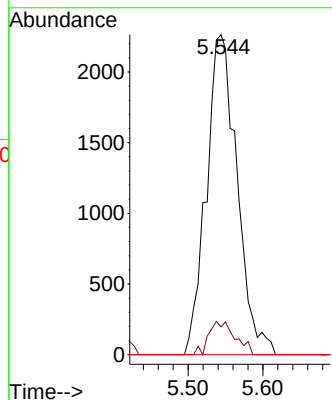
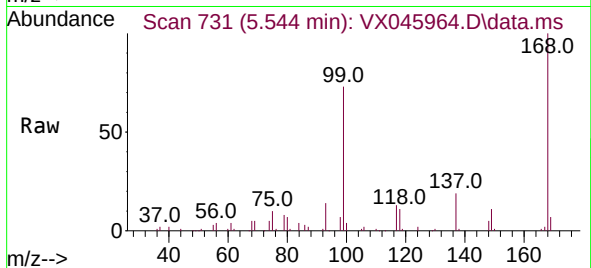
Tgt Ion: 75 Resp: 6468

Ion Ratio Lower Upper

75 100

110 9.0 16.9 50.6#

77 0.0 25.0 37.4#



#37

Ethyl Acetate

Concen: 16.089 ug/l

RT: 4.562 min Scan# 570

Delta R.T. -0.152 min

Lab File: VX045964.D

Acq: 28 Apr 2025 18:09

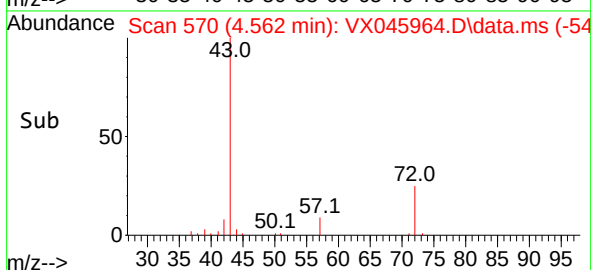
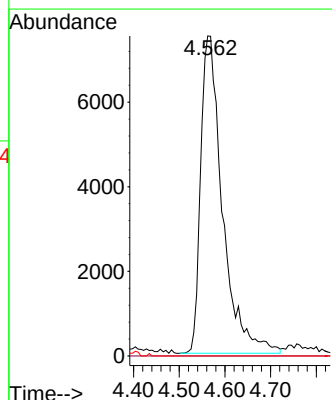
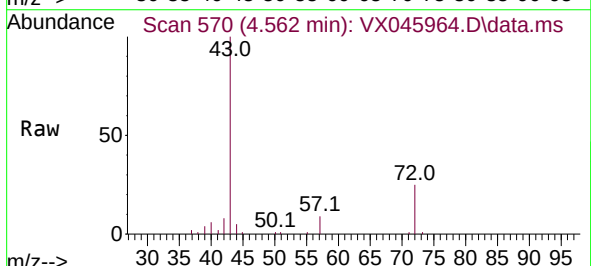
Tgt Ion: 43 Resp: 24830

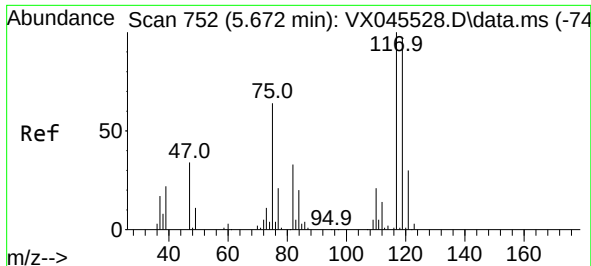
Ion Ratio Lower Upper

43 100

61 0.0 9.9 14.9#

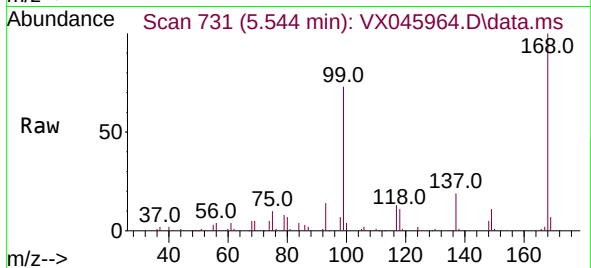
70 0.0 7.5 11.3#



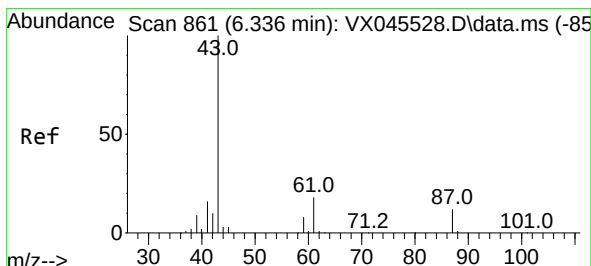
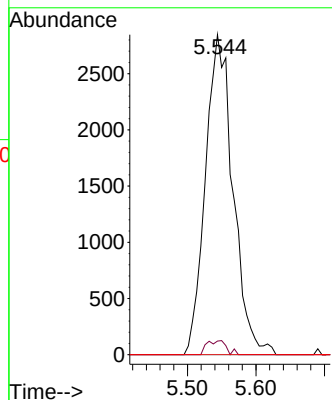
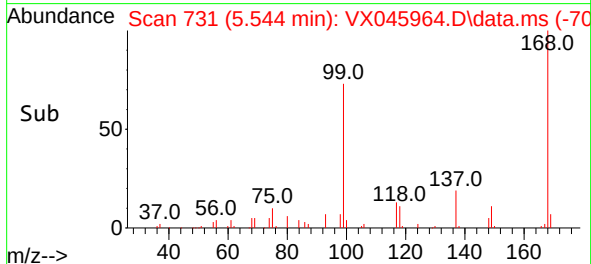


#38
Carbon Tetrachloride
Concen: 6.026 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.128 min
Lab File: VX045964.D
Acq: 28 Apr 2025 18:09

Instrument :
MSVOA_X
ClientSampleId :
COMP-3

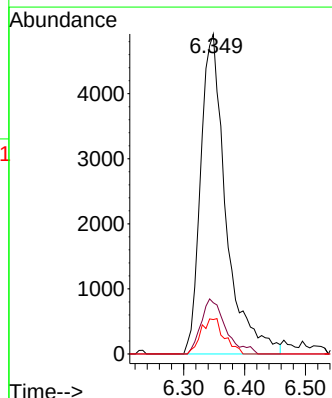
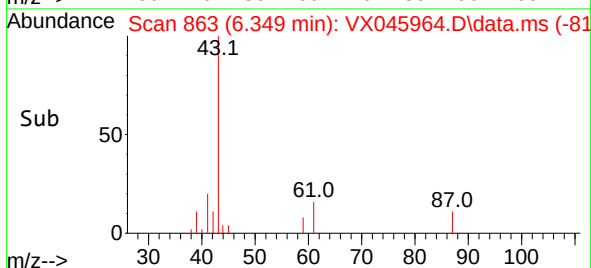
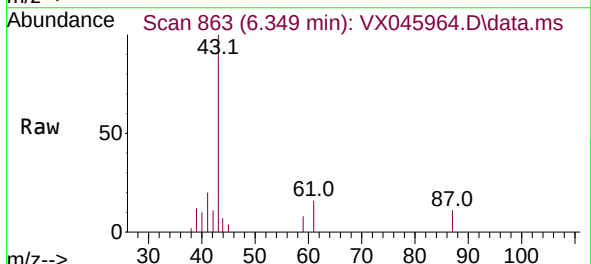


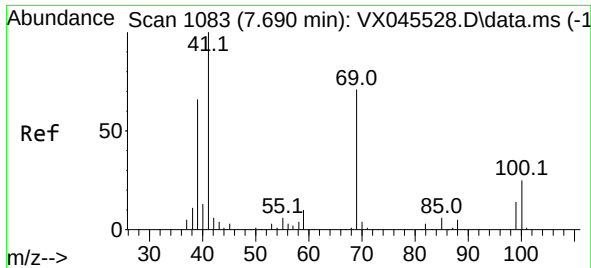
Tgt Ion:117 Resp: 7975
Ion Ratio Lower Upper
117 100
119 4.3 76.9 115.3#
121 0.0 24.2 36.2#



#43
Isopropyl Acetate
Concen: 6.071 ug/l
RT: 6.349 min Scan# 863
Delta R.T. 0.012 min
Lab File: VX045964.D
Acq: 28 Apr 2025 18:09

Tgt Ion: 43 Resp: 14201
Ion Ratio Lower Upper
43 100
61 16.6 14.1 21.1
87 10.1 9.2 13.8

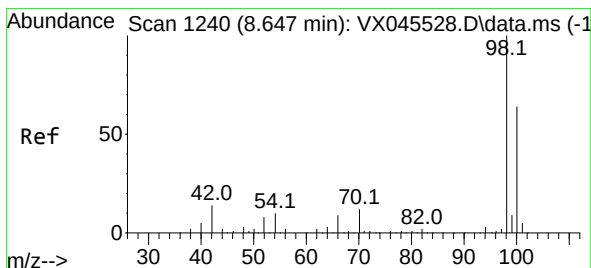
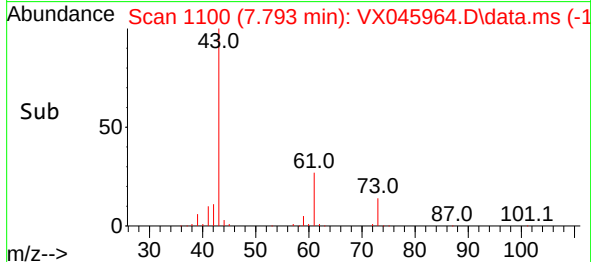
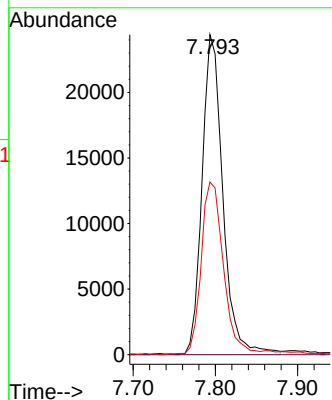
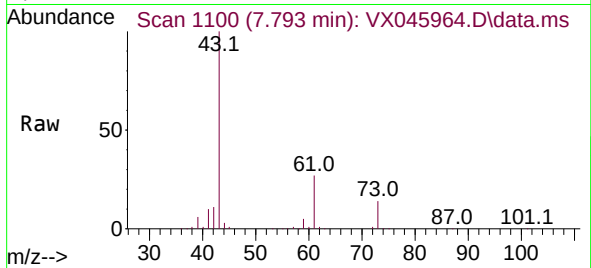




#48
Methyl methacrylate
Concen: 35.540 ug/l
RT: 7.793 min Scan# 1100
Delta R.T. 0.104 min
Lab File: VX045964.D
Acq: 28 Apr 2025 18:09

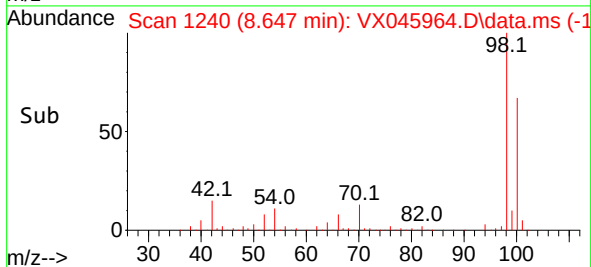
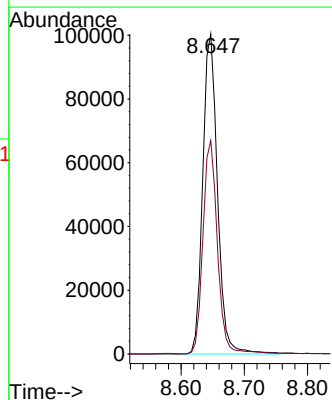
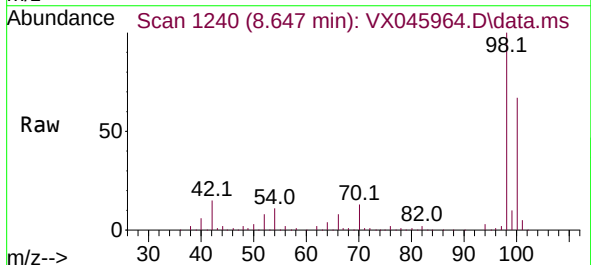
Instrument :
MSVOA_X
ClientSampleId :
COMP-3

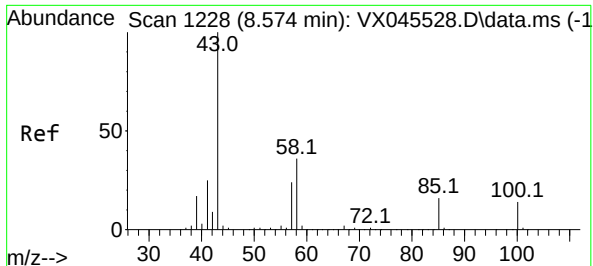
Tgt Ion: 41 Resp: 42920
Ion Ratio Lower Upper
41 100
69 0.0 58.2 87.2#
39 57.5 53.6 80.4



#50
Toluene-d8
Concen: 51.518 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX045964.D
Acq: 28 Apr 2025 18:09

Tgt Ion: 98 Resp: 163090
Ion Ratio Lower Upper
98 100
100 65.7 52.2 78.4

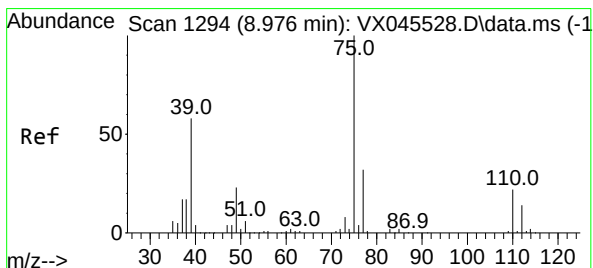
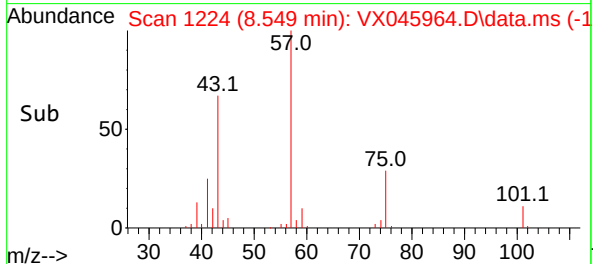
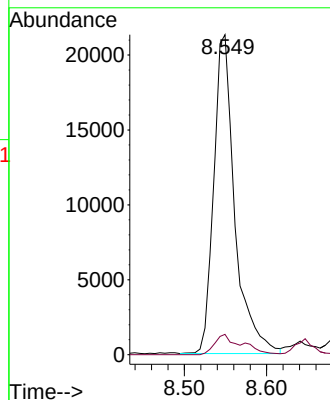
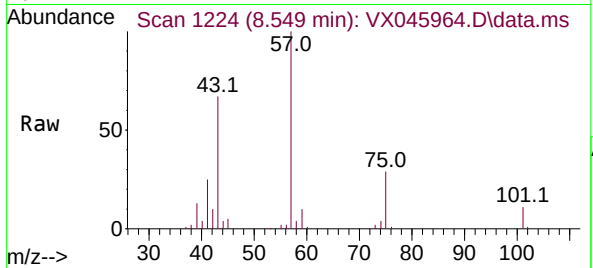




#51
4-Methyl-2-Pentanone
Concen: 24.364 ug/l
RT: 8.549 min Scan# 11
Delta R.T. -0.024 min
Lab File: VX045964.D
Acq: 28 Apr 2025 18:09

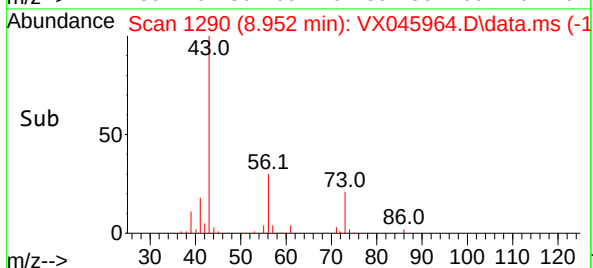
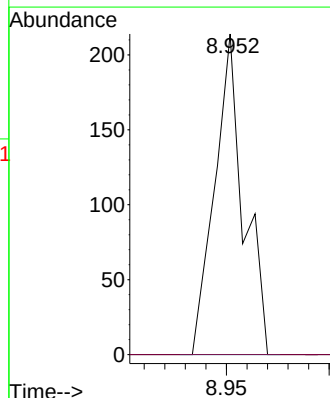
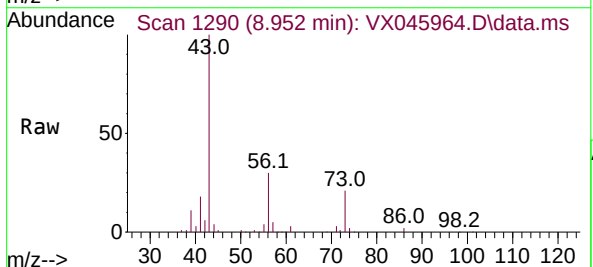
Instrument :
MSVOA_X
ClientSampleId :
COMP-3

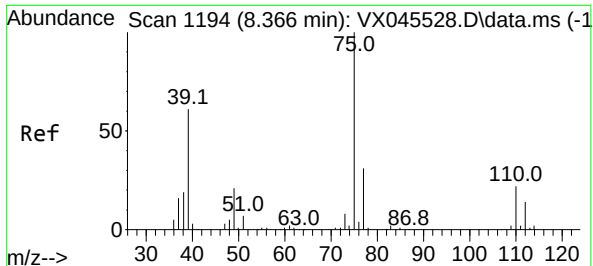
Tgt Ion: 43 Resp: 37778
Ion Ratio Lower Upper
43 100
58 8.4 28.5 42.7#



#53
t-1,3-Dichloropropene
Concen: 2.434 ug/l
RT: 8.952 min Scan# 1290
Delta R.T. -0.024 min
Lab File: VX045964.D
Acq: 28 Apr 2025 18:09

Tgt Ion: 75 Resp: 209
Ion Ratio Lower Upper
75 100
77 0.0 25.4 38.0#

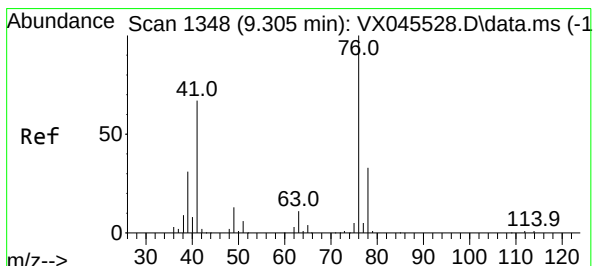
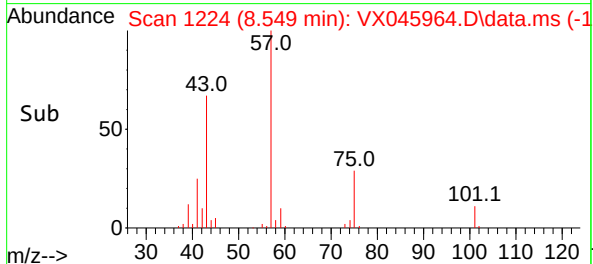
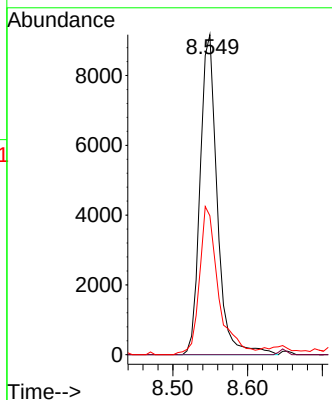
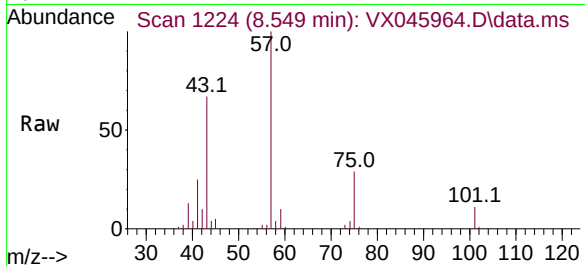




#54
 cis-1,3-Dichloropropene
 Concen: 10.832 ug/l
 RT: 8.549 min Scan# 1194
 Delta R.T. 0.183 min
 Lab File: VX045964.D
 Acq: 28 Apr 2025 18:09

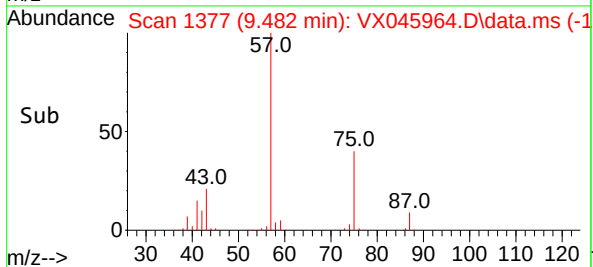
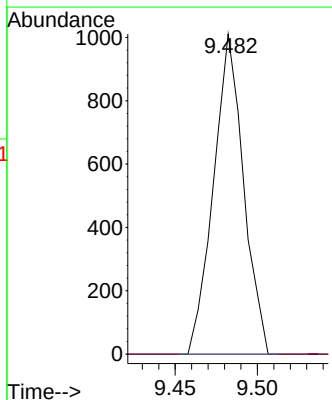
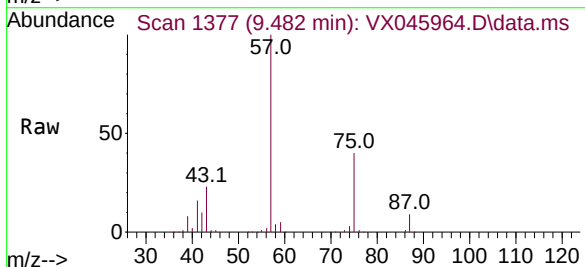
Instrument :
 MSVOA_X
 ClientSampleId :
 COMP-3

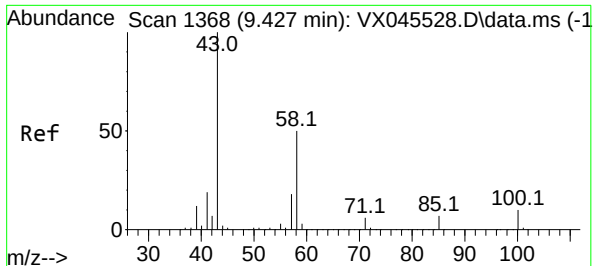
Tgt Ion: 75 Resp: 14562
 Ion Ratio Lower Upper
 75 100
 77 0.0 24.6 36.8#
 39 42.8 48.4 72.6#



#57
 1,3-Dichloropropane
 Concen: 0.817 ug/l
 RT: 9.482 min Scan# 1377
 Delta R.T. 0.177 min
 Lab File: VX045964.D
 Acq: 28 Apr 2025 18:09

Tgt Ion: 76 Resp: 1283
 Ion Ratio Lower Upper
 76 100
 78 0.0 26.0 39.0#





#59

2-Hexanone

Concen: 8.925 ug/l

RT: 9.433 min Scan# 11

Delta R.T. 0.006 min

Lab File: VX045964.D

Acq: 28 Apr 2025 18:09

Instrument :

MSVOA_X

ClientSampleId :

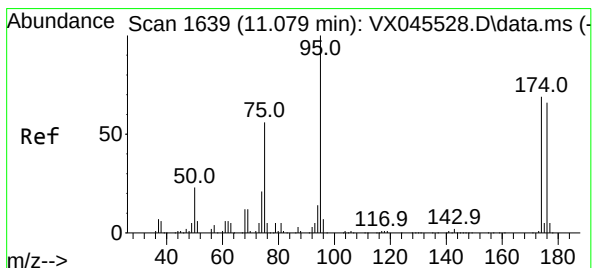
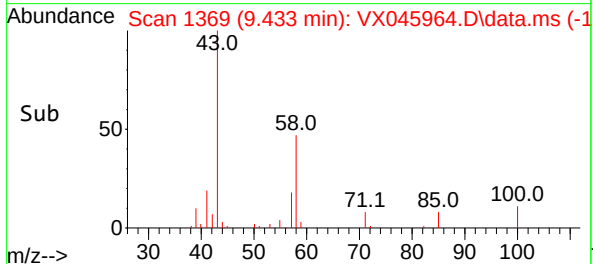
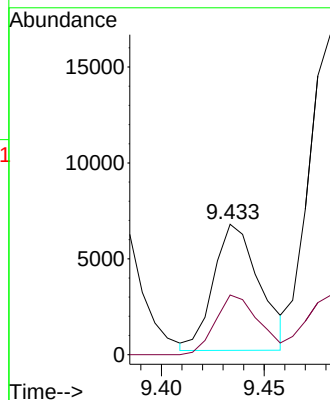
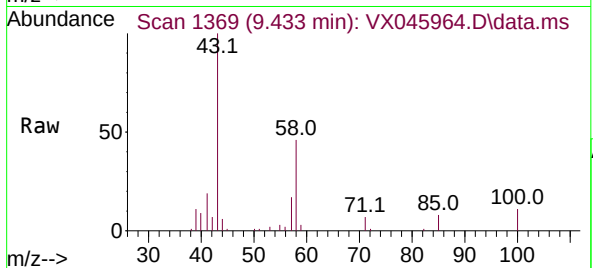
COMP-3

Tgt Ion: 43 Resp: 10248

Ion Ratio Lower Upper

43 100

58 45.1 24.9 74.6



#62

4-Bromofluorobenzene

Concen: 54.312 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.000 min

Lab File: VX045964.D

Acq: 28 Apr 2025 18:09

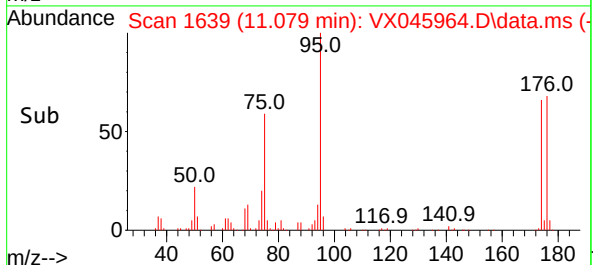
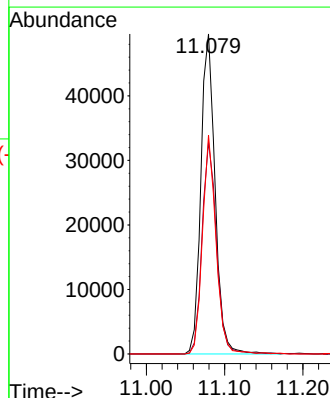
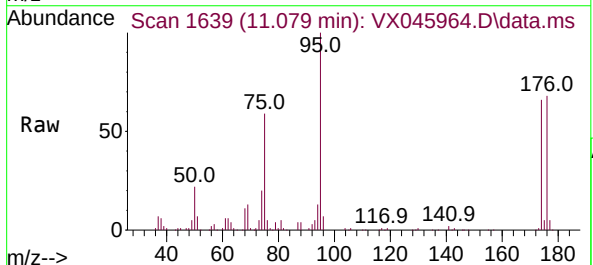
Tgt Ion: 95 Resp: 62628

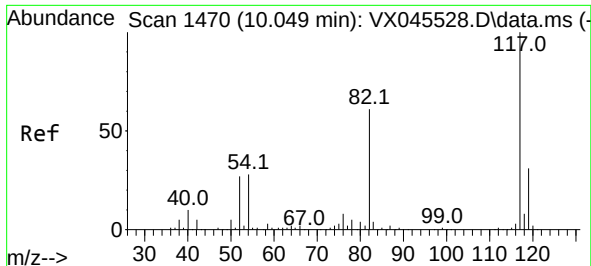
Ion Ratio Lower Upper

95 100

174 67.3 0.0 135.8

176 64.8 0.0 131.4

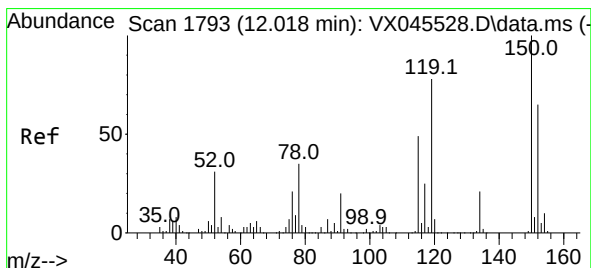
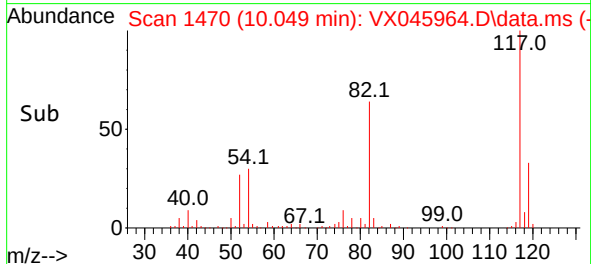
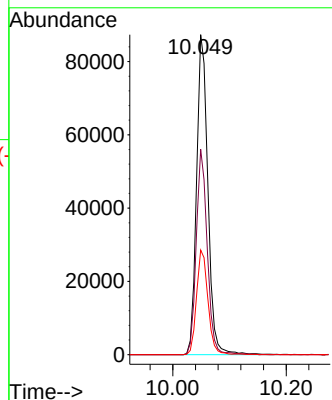
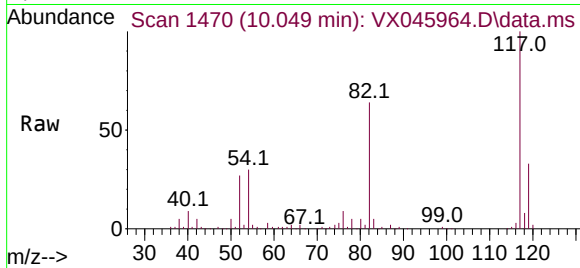




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 1470
Delta R.T. 0.000 min
Lab File: VX045964.D
Acq: 28 Apr 2025 18:09

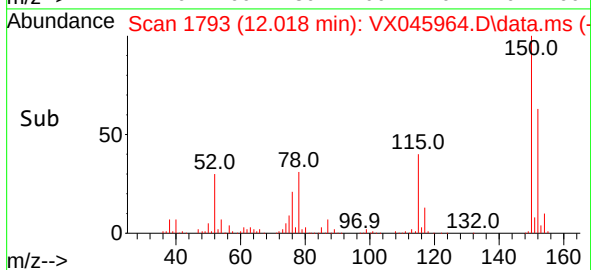
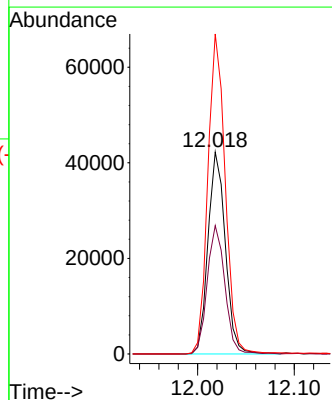
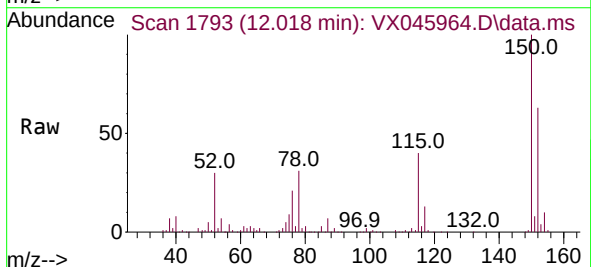
Instrument :
MSVOA_X
ClientSampleId :
COMP-3

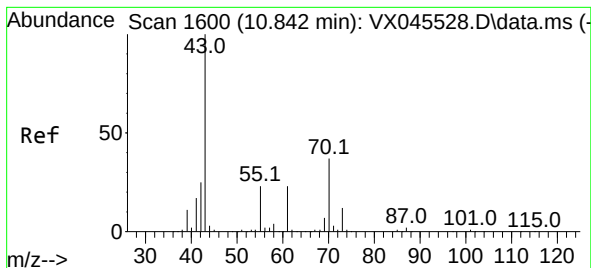
Tgt Ion:117 Resp: 121065
Ion Ratio Lower Upper
117 100
82 64.2 49.2 73.8
119 32.7 25.1 37.7



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. 0.000 min
Lab File: VX045964.D
Acq: 28 Apr 2025 18:09

Tgt Ion:152 Resp: 52897
Ion Ratio Lower Upper
152 100
115 64.6 46.9 140.7
150 158.5 0.0 349.4





#74

N-amy1 acetate

Concen: 2.426 ug/l

RT: 10.775 min Scan# 1

Delta R.T. -0.067 min

Lab File: VX045964.D

Acq: 28 Apr 2025 18:09

Instrument :

MSVOA_X

ClientSampleId :

COMP-3

Tgt Ion: 43 Resp: 4917

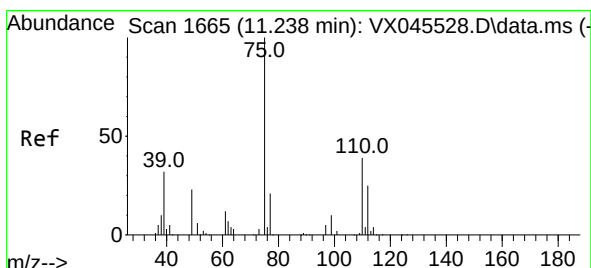
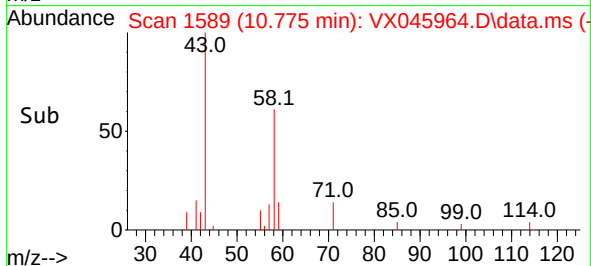
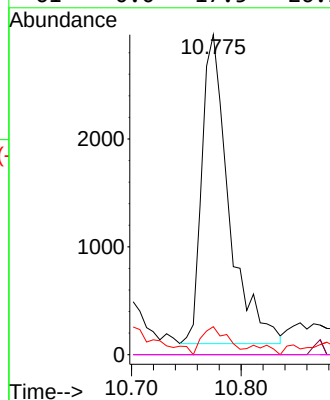
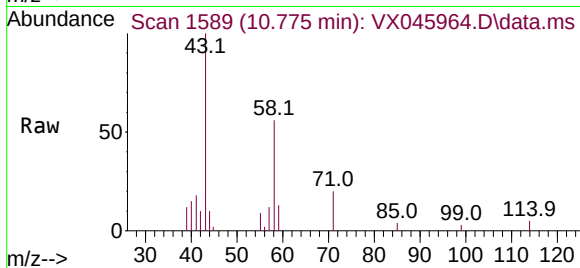
Ion Ratio Lower Upper

43 100

70 0.0 30.1 45.1#

55 8.9 18.3 27.5#

61 0.0 17.5 26.3#



#76

1,2,3-Trichloropropane

Concen: 28.345 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.158 min

Lab File: VX045964.D

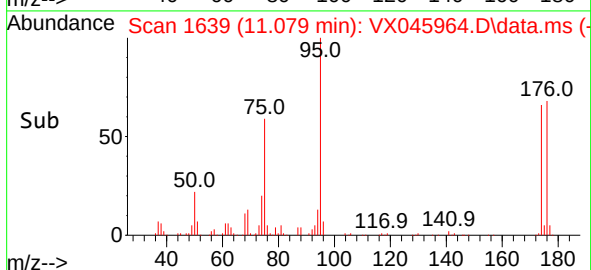
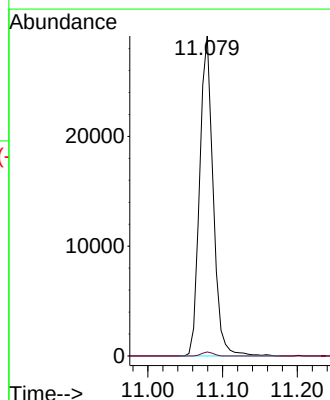
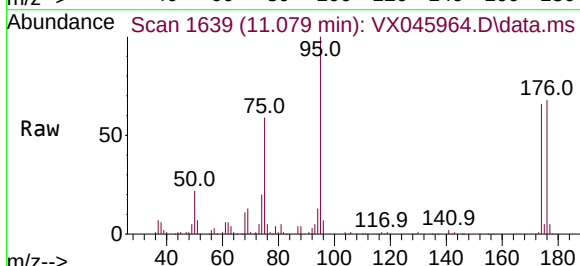
Acq: 28 Apr 2025 18:09

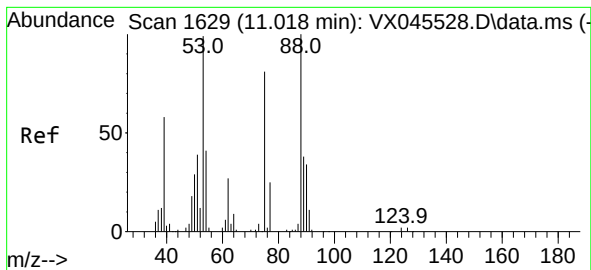
Tgt Ion: 75 Resp: 36573

Ion Ratio Lower Upper

75 100

77 1.1 20.0 59.9#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 96.199 ug/l
 RT: 11.079 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX045964.D
 Acq: 28 Apr 2025 18:09

Instrument :
 MSVOA_X
 ClientSampleId :
 COMP-3

Tgt Ion: 75 Resp: 36573
 Ion Ratio Lower Upper
 75 100
 53 0.0 101.8 152.6#
 89 0.0 37.2 55.8#

