

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX042225\
 Data File : VX045893.D
 Acq On : 22 Apr 2025 18:23
 Operator : JC/MD
 Sample : Q1842-30
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PL-714-COMP-12

Quant Time: Apr 23 01:36:29 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)

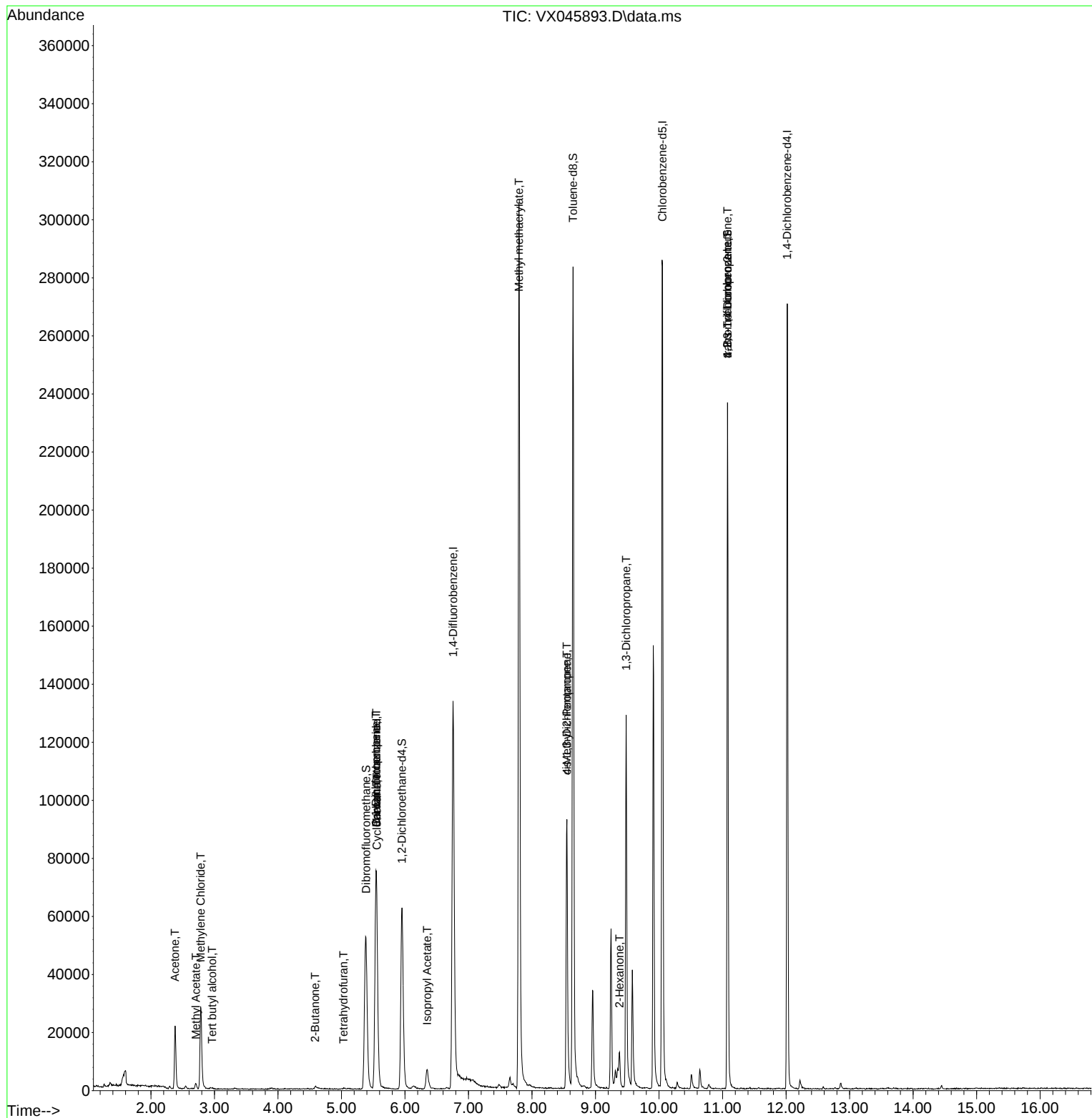
Internal Standards						
1) Pentafluorobenzene	5.550	168	65569	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	128493	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	121521	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	48784	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	63993	53.368	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 106.740%			
35) Dibromofluoromethane	5.385	113	47215	51.790	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 103.580%			
50) Toluene-d8	8.647	98	163926	51.516	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 103.040%			
62) 4-Bromofluorobenzene	11.079	95	60788	52.446	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 104.900%			
Target Compounds						Qvalue
11) Tert butyl alcohol	2.965	59	355	2.203	ug/l #	72
16) Acetone	2.379	43	23181	47.080	ug/l	99
18) Methyl Acetate	2.709	43	2670	2.355	ug/l #	88
20) Methylene Chloride	2.782	84	13160	14.277	ug/l	91
25) 2-Butanone	4.586	43	2448	3.397	ug/l	99
29) Tetrahydrofuran	5.031	42	153	0.327	ug/l #	35
31) Cyclohexane	5.556	56	2025	1.377	ug/l #	41
36) 1,1-Dichloropropene	5.544	75	6388	5.190	ug/l #	49
38) Carbon Tetrachloride	5.550	117	8008	6.020	ug/l #	14
43) Isopropyl Acetate	6.348	43	10254	4.361	ug/l	99
48) Methyl methacrylate	7.793	41	30683	25.276	ug/l #	49
51) 4-Methyl-2-Pentanone	8.549	43	36480	23.406	ug/l #	52
54) cis-1,3-Dichloropropene	8.549	75	14034	10.386	ug/l #	66
57) 1,3-Dichloropropane	9.482	76	1261	0.799	ug/l #	42
59) 2-Hexanone	9.378	43	10739	9.305	ug/l #	28
76) 1,2,3-Trichloropropane	11.079	75	34462	28.961	ug/l #	37
81) trans-1,4-Dichloro-2-b...	11.079	75	34462	98.289	ug/l #	1

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

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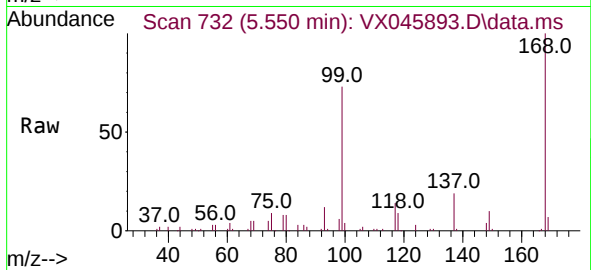
Quant Time: Apr 23 01:36:29 2025
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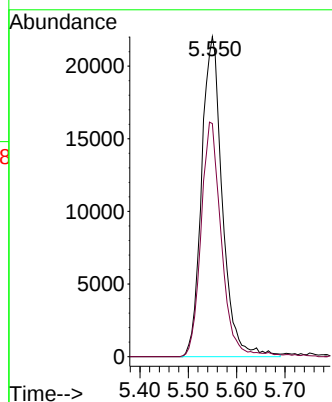
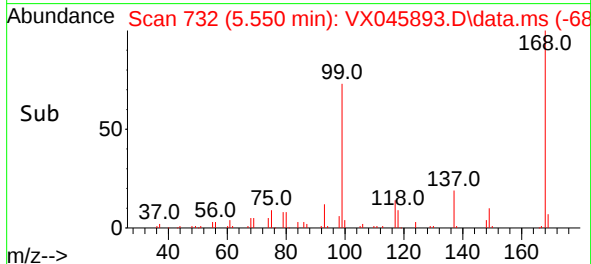


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX045893.D
Acq: 22 Apr 2025 18:23

Instrument :
MSVOA_X
ClientSampleId :
PL-714-COMP-12

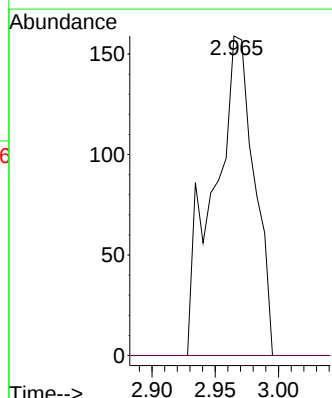
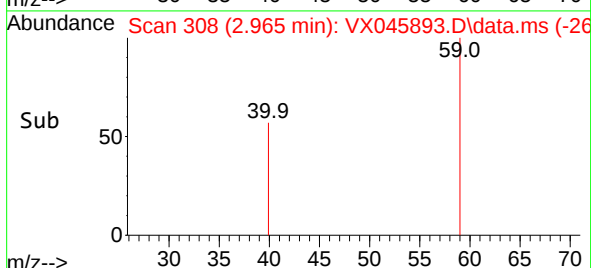
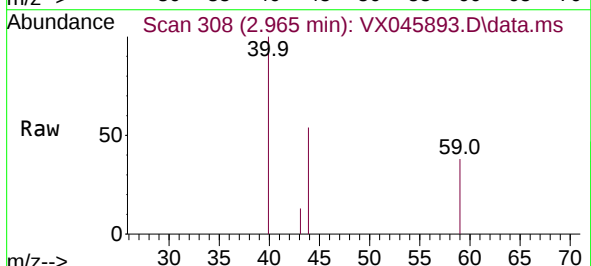


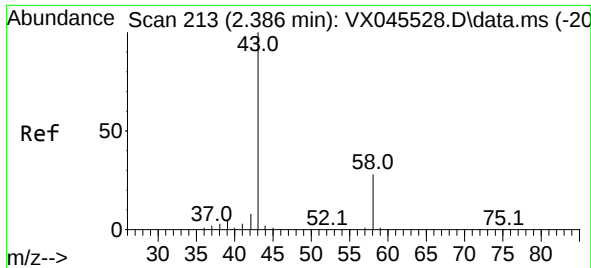
Tgt Ion:168 Resp: 65569
Ion Ratio Lower Upper
168 100
99 72.8 52.3 78.5



#11
Tert butyl alcohol
Concen: 2.203 ug/l
RT: 2.965 min Scan# 308
Delta R.T. -0.012 min
Lab File: VX045893.D
Acq: 22 Apr 2025 18:23

Tgt Ion: 59 Resp: 355
Ion Ratio Lower Upper
59 100
57 0.0 8.6 12.8#

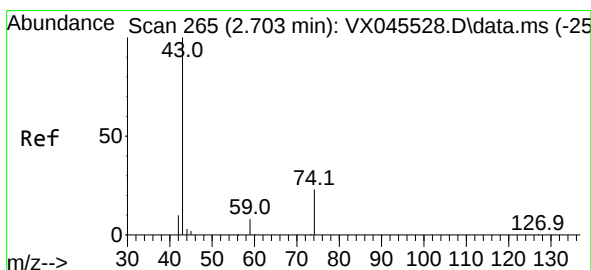
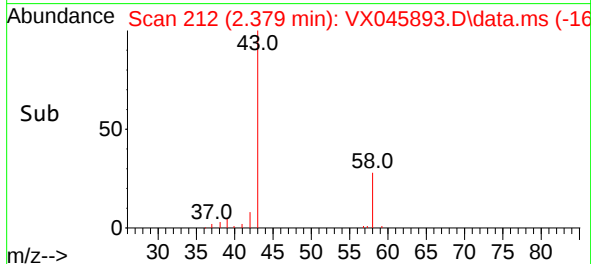
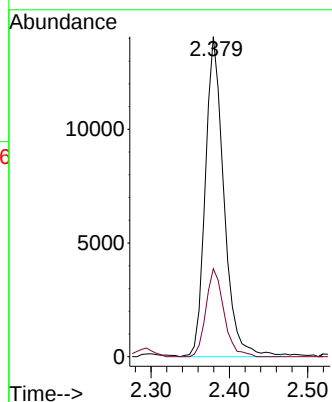
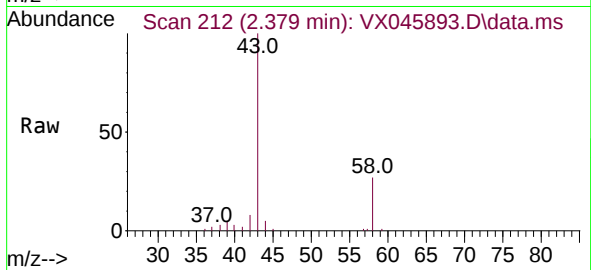




#16
Acetone
Concen: 47.080 ug/l
RT: 2.379 min Scan# 213
Delta R.T. -0.006 min
Lab File: VX045893.D
Acq: 22 Apr 2025 18:23

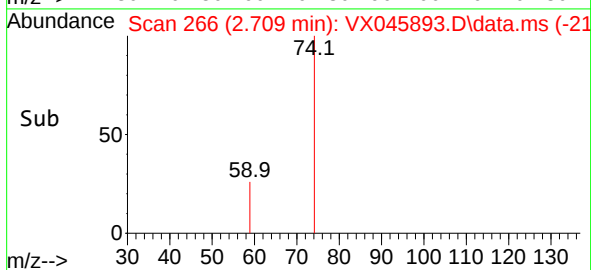
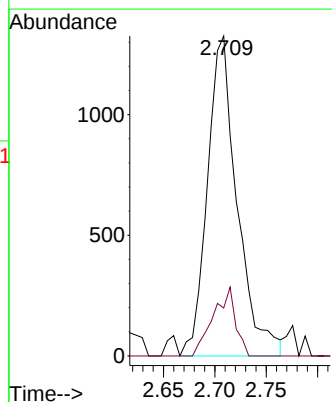
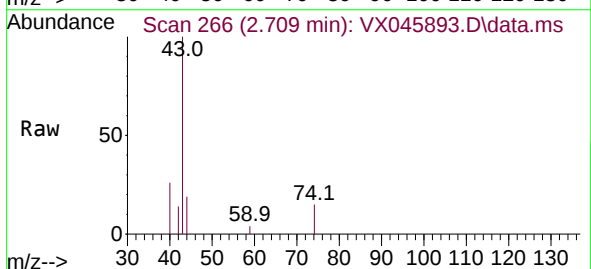
Instrument :
MSVOA_X
ClientSampleId :
PL-714-COMP-12

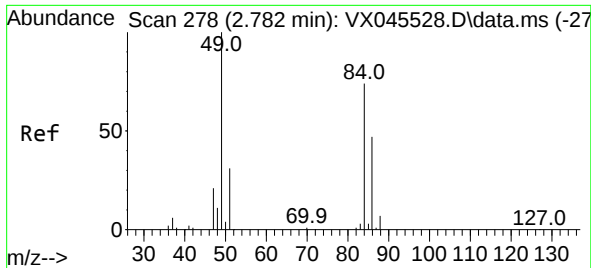
Tgt Ion: 43 Resp: 23181
Ion Ratio Lower Upper
43 100
58 27.5 22.3 33.5



#18
Methyl Acetate
Concen: 2.355 ug/l
RT: 2.709 min Scan# 266
Delta R.T. 0.006 min
Lab File: VX045893.D
Acq: 22 Apr 2025 18:23

Tgt Ion: 43 Resp: 2670
Ion Ratio Lower Upper
43 100
74 16.0 17.5 26.3#

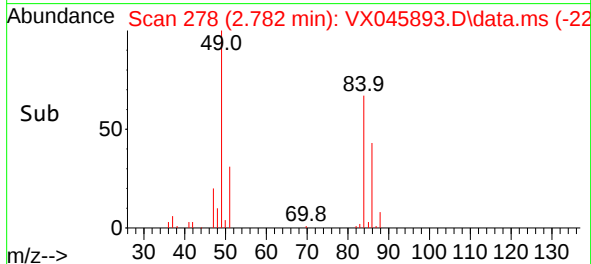
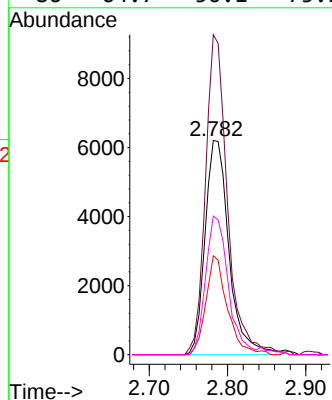
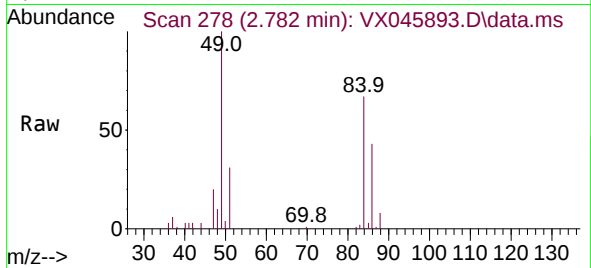




#20
Methylene Chloride
Concen: 14.277 ug/l
RT: 2.782 min Scan# 21
Delta R.T. -0.000 min
Lab File: VX045893.D
Acq: 22 Apr 2025 18:23

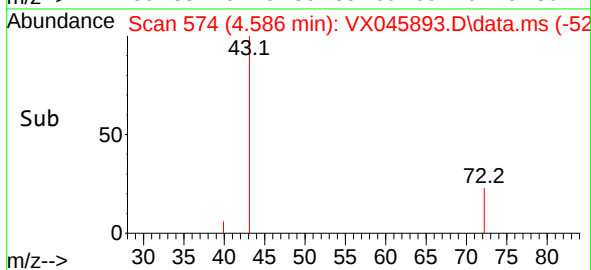
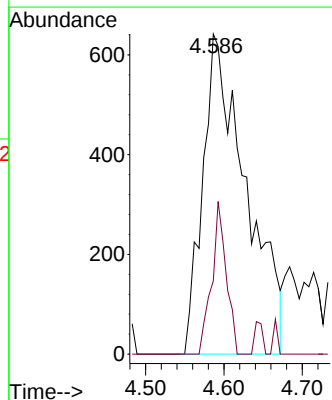
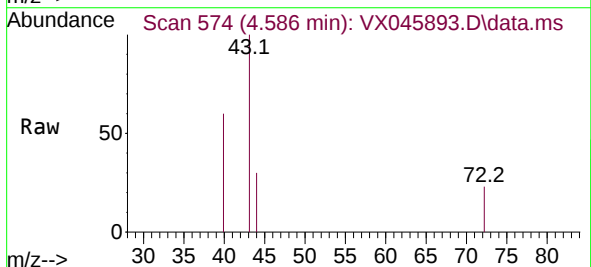
Instrument :
MSVOA_X
ClientSampleId :
PL-714-COMP-12

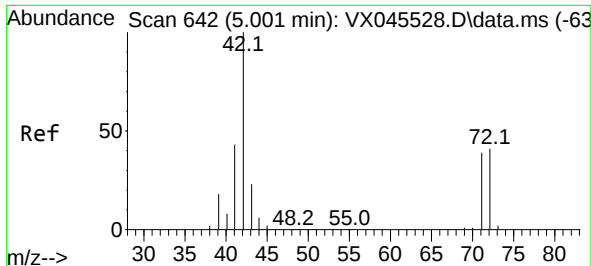
Tgt Ion:	84	Resp:	13160
Ion	Ratio	Lower	Upper
84	100		
49	149.4	107.5	161.3
51	46.2	33.0	49.6
86	64.7	50.1	75.1



#25
2-Butanone
Concen: 3.397 ug/l
RT: 4.586 min Scan# 574
Delta R.T. 0.030 min
Lab File: VX045893.D
Acq: 22 Apr 2025 18:23

Tgt Ion:	43	Resp:	2448
Ion	Ratio	Lower	Upper
43	100		
72	22.9	18.6	28.0





#29

Tetrahydrofuran

Concen: 0.327 ug/l

RT: 5.031 min Scan# 64

Delta R.T. 0.030 min

Lab File: VX045893.D

Acq: 22 Apr 2025 18:23

Instrument :

MSVOA_X

ClientSampleId :

PL-714-COMP-12

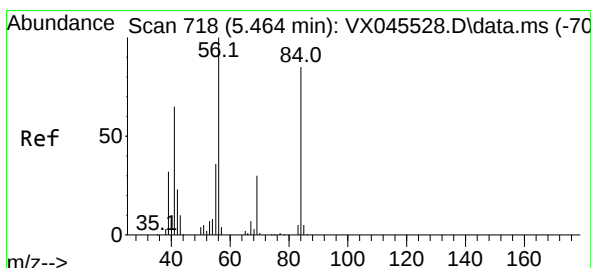
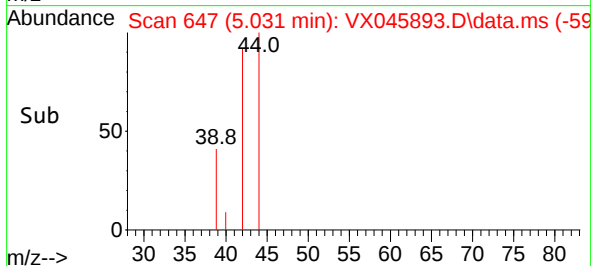
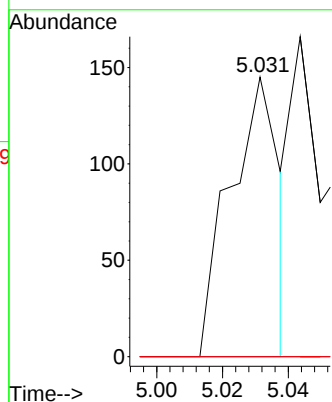
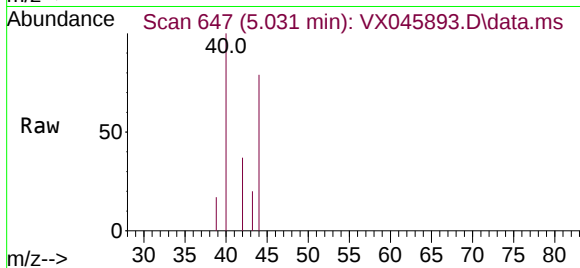
Tgt Ion: 42 Resp: 153

Ion Ratio Lower Upper

42 100

72 0.0 33.4 50.0#

71 0.0 31.4 47.0#



#31

Cyclohexane

Concen: 1.377 ug/l

RT: 5.556 min Scan# 733

Delta R.T. 0.091 min

Lab File: VX045893.D

Acq: 22 Apr 2025 18:23

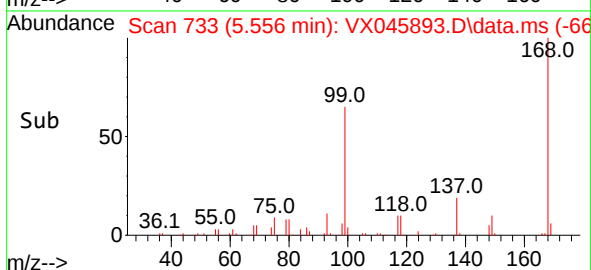
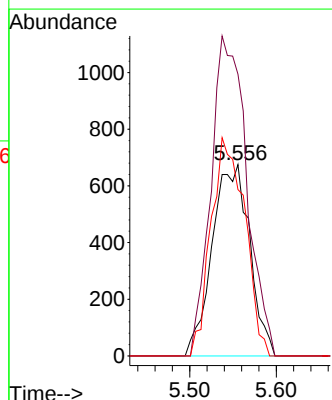
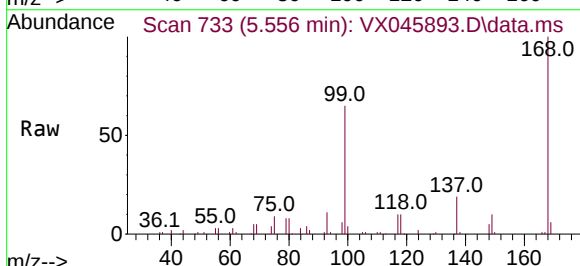
Tgt Ion: 56 Resp: 2025

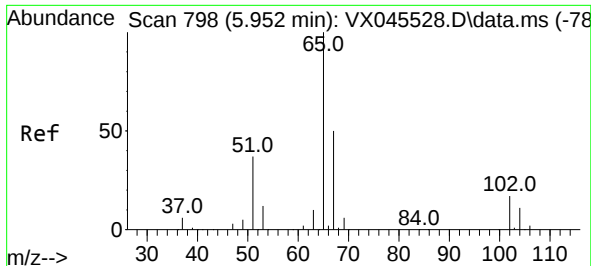
Ion Ratio Lower Upper

56 100

69 147.3 23.6 35.4#

84 87.0 67.7 101.5





#33

1,2-Dichloroethane-d4

Concen: 53.368 ug/l

RT: 5.952 min Scan# 798

Delta R.T. -0.000 min

Lab File: VX045893.D

Acq: 22 Apr 2025 18:23

Instrument :

MSVOA_X

ClientSampleId :

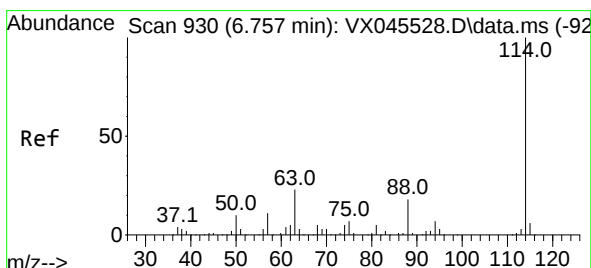
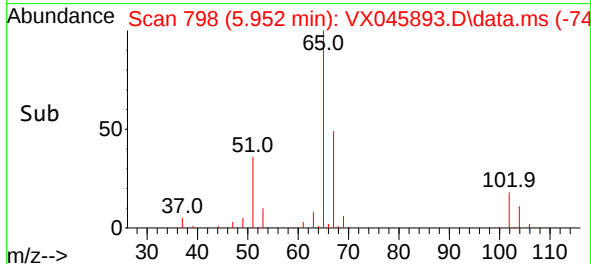
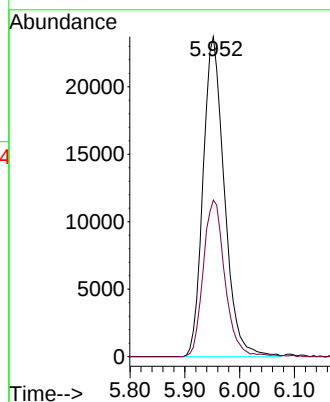
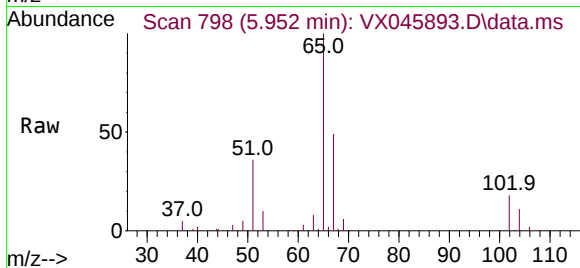
PL-714-COMP-12

Tgt Ion: 65 Resp: 63993

Ion Ratio Lower Upper

65 100

67 49.8 0.0 99.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.757 min Scan# 930

Delta R.T. -0.000 min

Lab File: VX045893.D

Acq: 22 Apr 2025 18:23

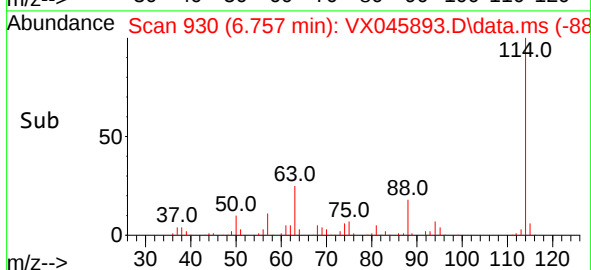
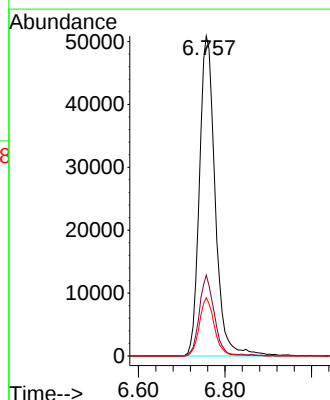
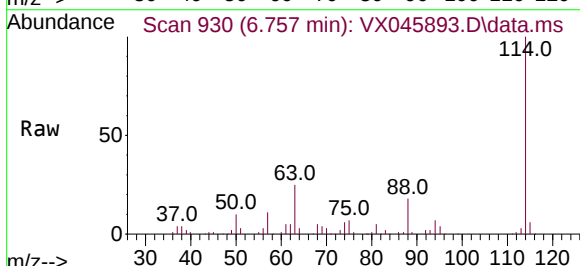
Tgt Ion: 114 Resp: 128493

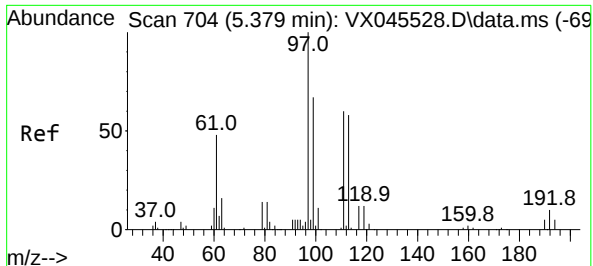
Ion Ratio Lower Upper

114 100

63 25.3 0.0 46.8

88 18.2 0.0 35.4

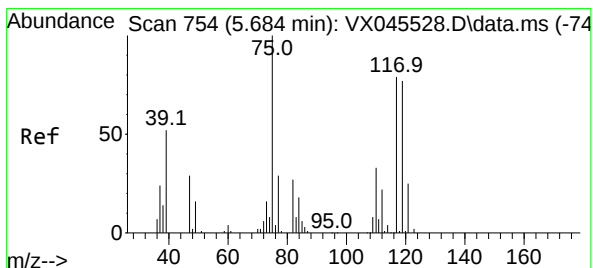
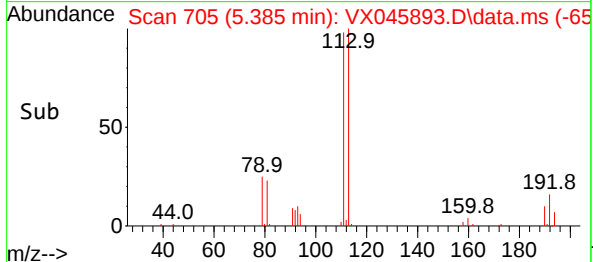
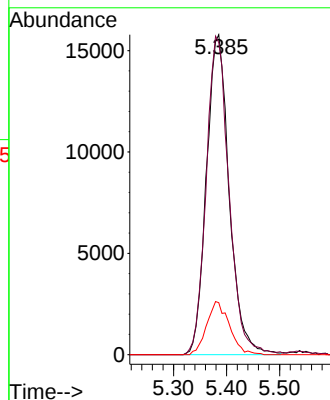
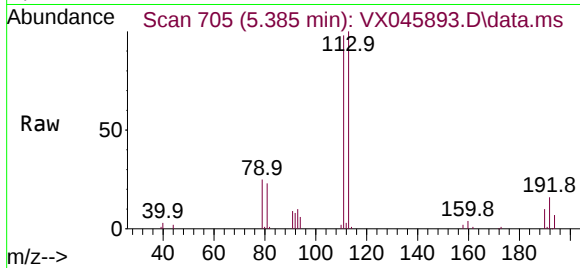




#35
Dibromofluoromethane
Concen: 51.790 ug/l
RT: 5.385 min Scan# 704
Delta R.T. 0.006 min
Lab File: VX045893.D
Acq: 22 Apr 2025 18:23

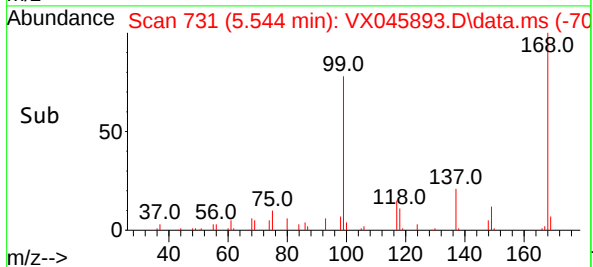
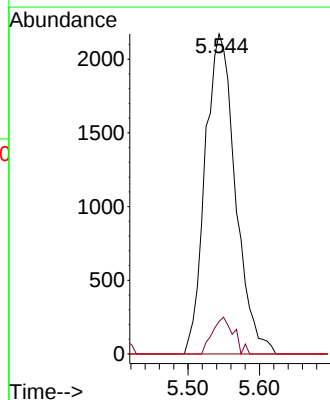
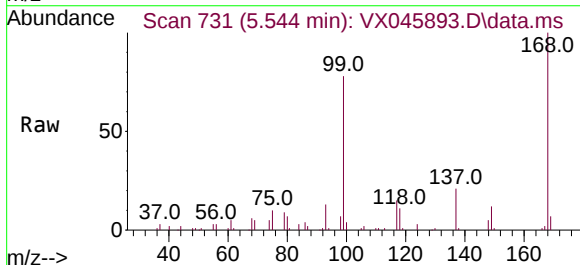
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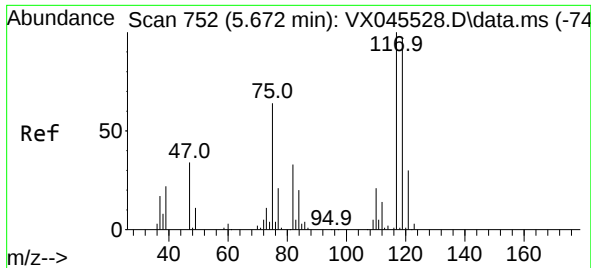
Tgt Ion:113 Resp: 47215
Ion Ratio Lower Upper
113 100
111 99.7 81.8 122.6
192 16.6 13.8 20.6



#36
1,1-Dichloropropene
Concen: 5.190 ug/l
RT: 5.544 min Scan# 731
Delta R.T. -0.140 min
Lab File: VX045893.D
Acq: 22 Apr 2025 18:23

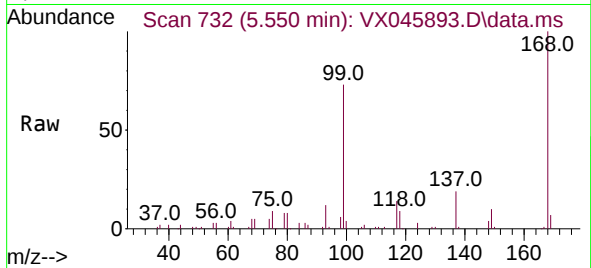
Tgt Ion: 75 Resp: 6388
Ion Ratio Lower Upper
75 100
110 8.1 16.9 50.6#
77 0.0 25.0 37.4#



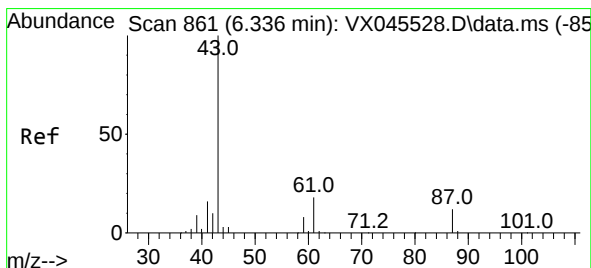
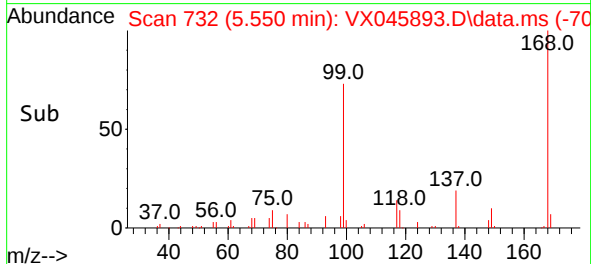
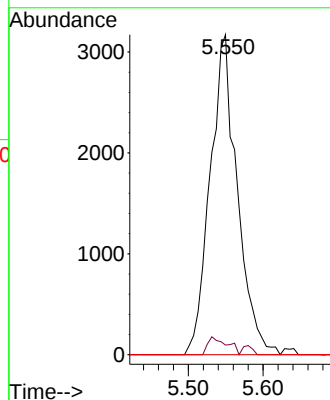


#38
Carbon Tetrachloride
Concen: 6.020 ug/l
RT: 5.550 min Scan# 711
Delta R.T. -0.122 min
Lab File: VX045893.D
Acq: 22 Apr 2025 18:23

Instrument :
MSVOA_X
ClientSampleId :
PL-714-COMP-12

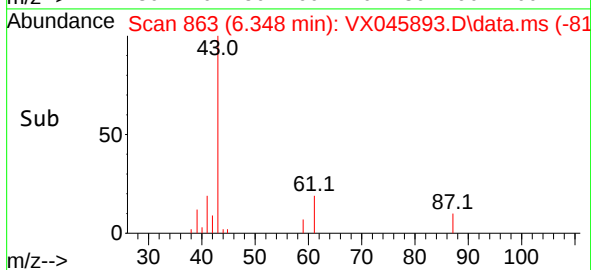
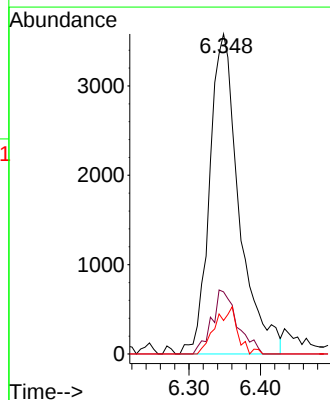
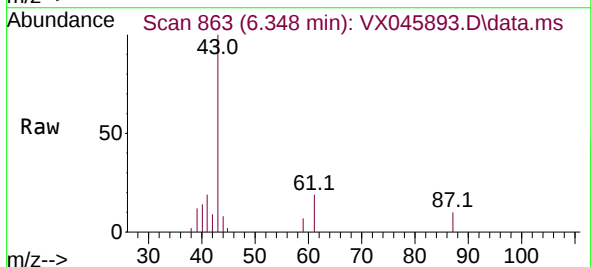


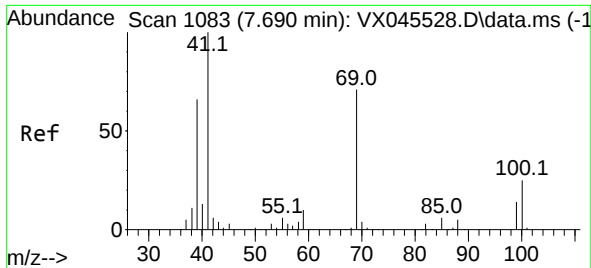
Tgt Ion:117 Resp: 8008
Ion Ratio Lower Upper
117 100
119 3.0 76.9 115.3#
121 0.0 24.2 36.2#



#43
Isopropyl Acetate
Concen: 4.361 ug/l
RT: 6.348 min Scan# 863
Delta R.T. 0.012 min
Lab File: VX045893.D
Acq: 22 Apr 2025 18:23

Tgt Ion: 43 Resp: 10254
Ion Ratio Lower Upper
43 100
61 17.3 14.1 21.1
87 11.2 9.2 13.8

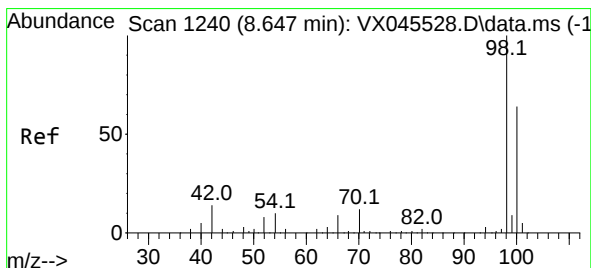
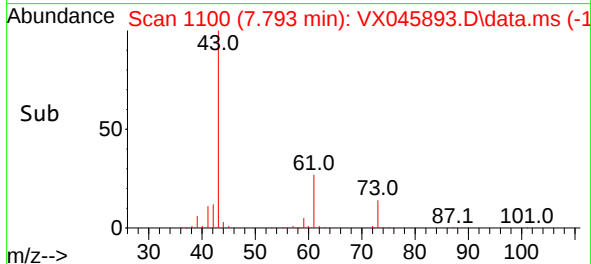
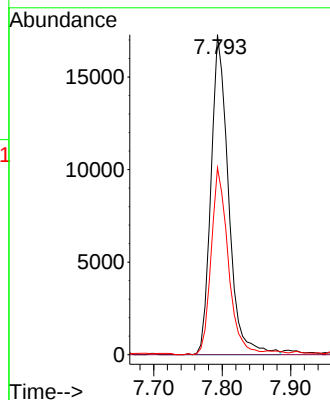
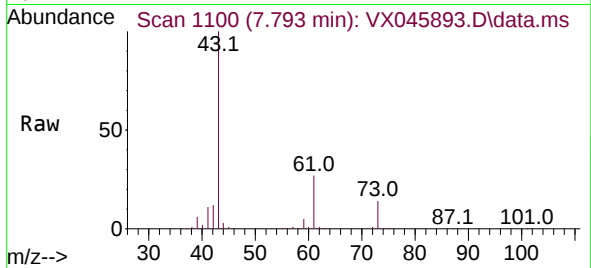




#48
Methyl methacrylate
Concen: 25.276 ug/l
RT: 7.793 min Scan# 1100
Delta R.T. 0.103 min
Lab File: VX045893.D
Acq: 22 Apr 2025 18:23

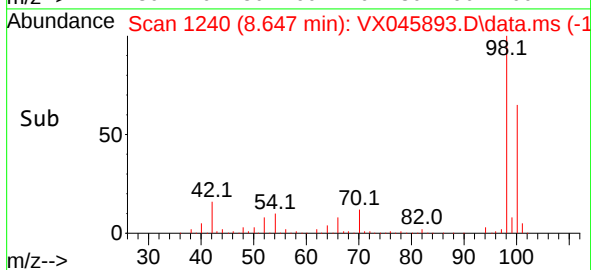
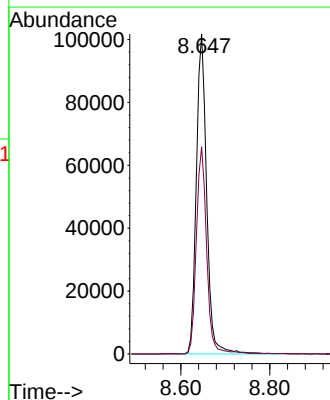
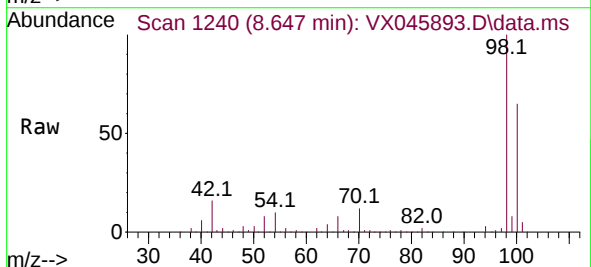
Instrument :
MSVOA_X
ClientSampleId :
PL-714-COMP-12

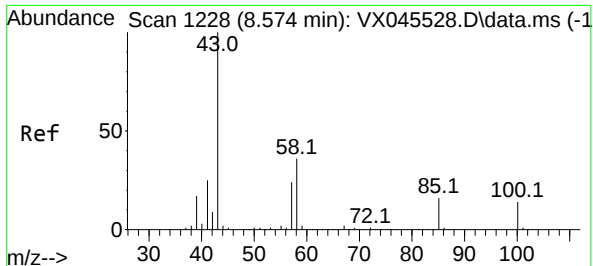
Tgt Ion: 41 Resp: 30683
Ion Ratio Lower Upper
41 100
69 0.0 58.2 87.2#
39 57.1 53.6 80.4



#50
Toluene-d8
Concen: 51.516 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX045893.D
Acq: 22 Apr 2025 18:23

Tgt Ion: 98 Resp: 163926
Ion Ratio Lower Upper
98 100
100 64.6 52.2 78.4

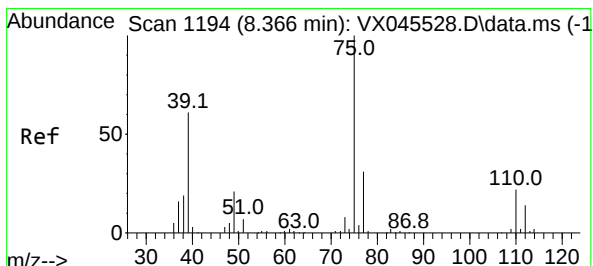
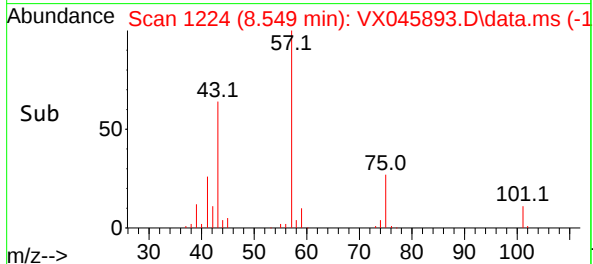
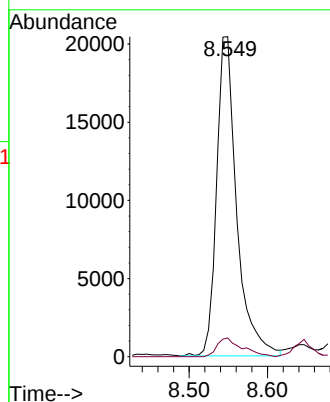
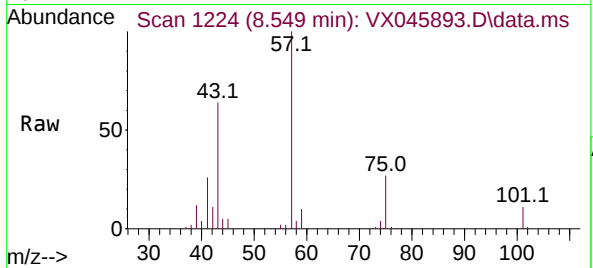




#51
4-Methyl-2-Pentanone
Concen: 23.406 ug/l
RT: 8.549 min Scan# 11
Delta R.T. -0.025 min
Lab File: VX045893.D
Acq: 22 Apr 2025 18:23

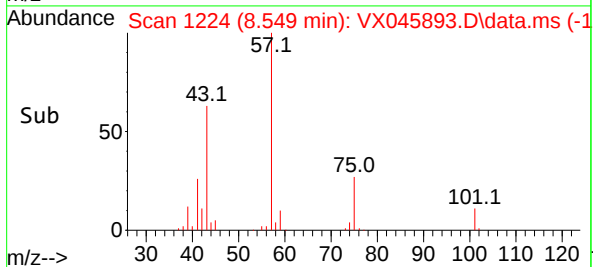
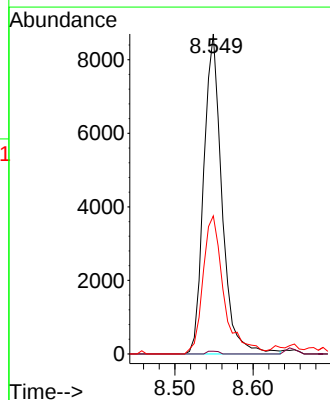
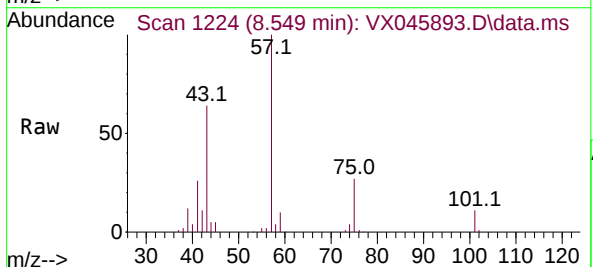
Instrument :
MSVOA_X
ClientSampleId :
PL-714-COMP-12

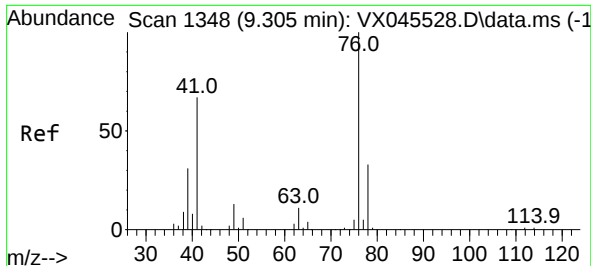
Tgt Ion: 43 Resp: 36480
Ion Ratio Lower Upper
43 100
58 7.3 28.5 42.7#



#54
cis-1,3-Dichloropropene
Concen: 10.386 ug/l
RT: 8.549 min Scan# 1224
Delta R.T. 0.183 min
Lab File: VX045893.D
Acq: 22 Apr 2025 18:23

Tgt Ion: 75 Resp: 14034
Ion Ratio Lower Upper
75 100
77 0.8 24.6 36.8#
39 43.1 48.4 72.6#





#57

1,3-Dichloropropane

Concen: 0.799 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.177 min

Lab File: VX045893.D

Acq: 22 Apr 2025 18:23

Instrument :

MSVOA_X

ClientSampleId :

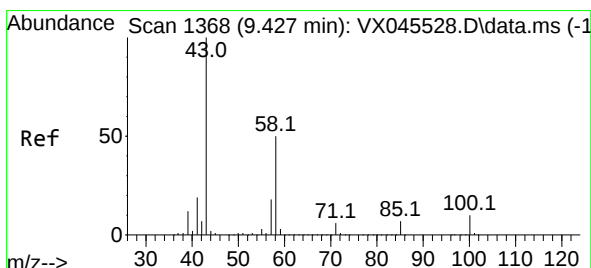
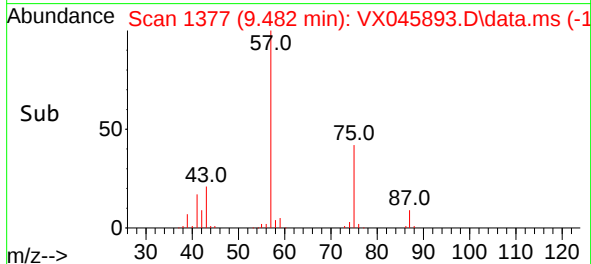
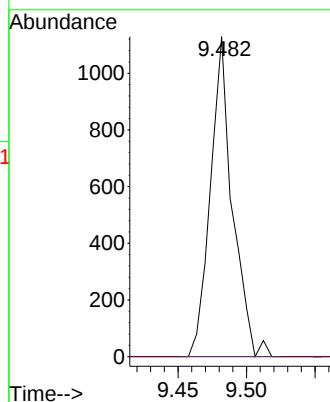
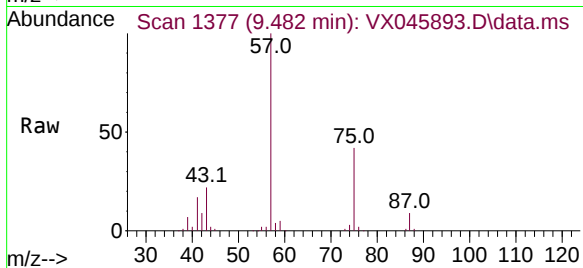
PL-714-COMP-12

Tgt Ion: 76 Resp: 1261

Ion Ratio Lower Upper

76 100

78 0.0 26.0 39.0#



#59

2-Hexanone

Concen: 9.305 ug/l

RT: 9.378 min Scan# 1360

Delta R.T. -0.049 min

Lab File: VX045893.D

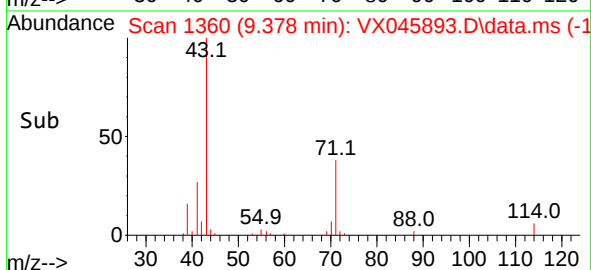
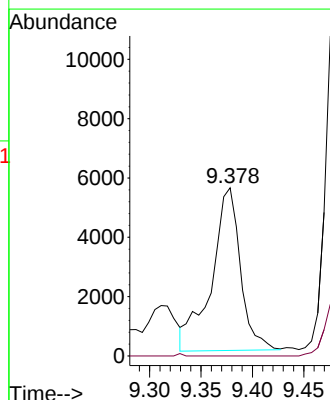
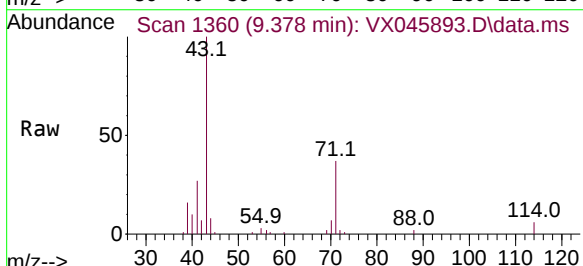
Acq: 22 Apr 2025 18:23

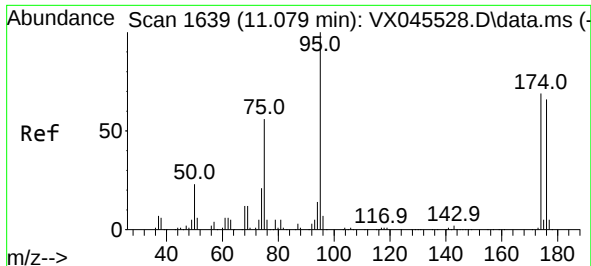
Tgt Ion: 43 Resp: 10739

Ion Ratio Lower Upper

43 100

58 0.0 24.9 74.6#





#62

4-Bromofluorobenzene

Concen: 52.446 ug/l

RT: 11.079 min Scan# 1

Delta R.T. -0.000 min

Lab File: VX045893.D

Acq: 22 Apr 2025 18:23

Instrument :

MSVOA_X

ClientSampleId :

PL-714-COMP-12

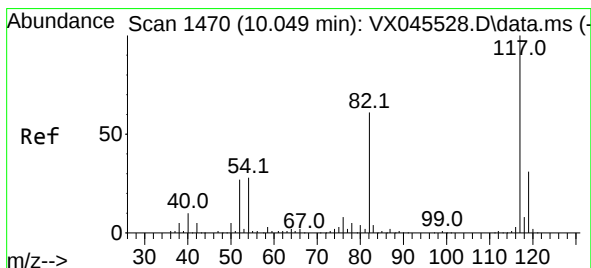
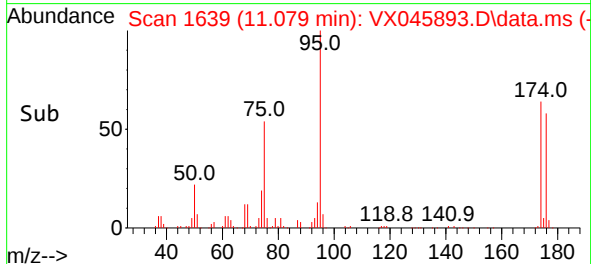
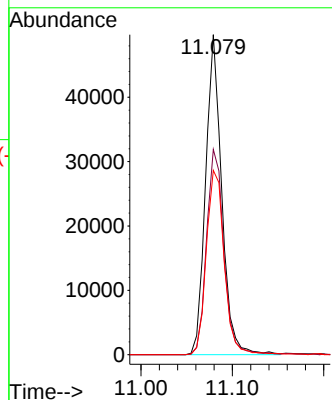
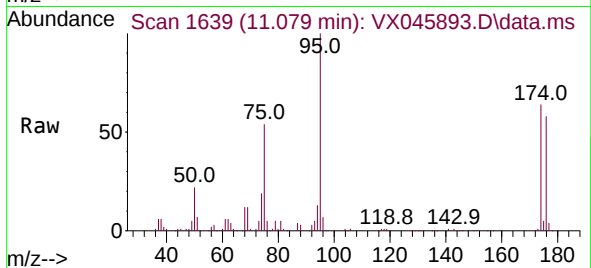
Tgt Ion: 95 Resp: 60788

Ion Ratio Lower Upper

95 100

174 68.7 0.0 135.8

176 64.2 0.0 131.4



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.055 min Scan# 1471

Delta R.T. 0.006 min

Lab File: VX045893.D

Acq: 22 Apr 2025 18:23

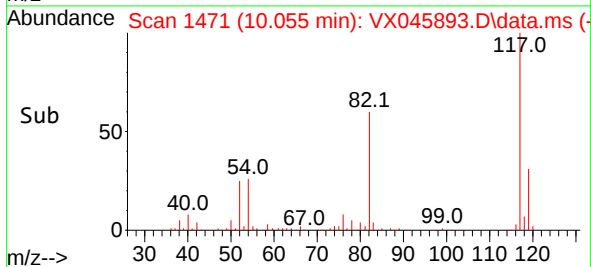
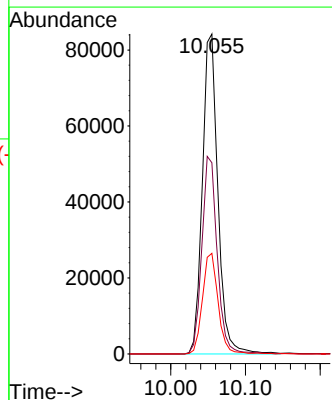
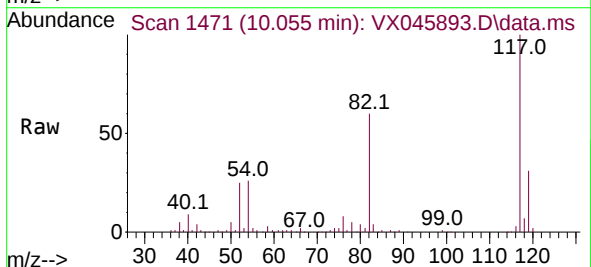
Tgt Ion: 117 Resp: 121521

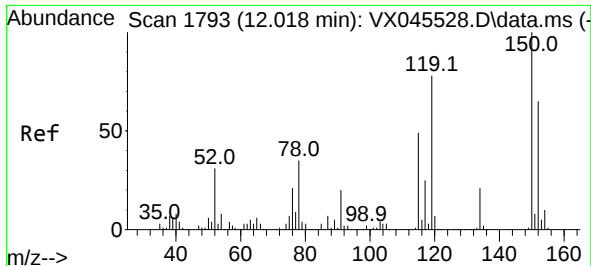
Ion Ratio Lower Upper

117 100

82 59.7 49.2 73.8

119 31.5 25.1 37.7

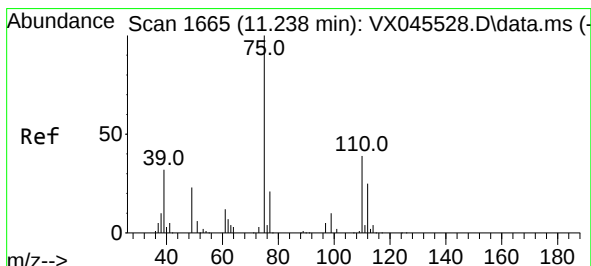
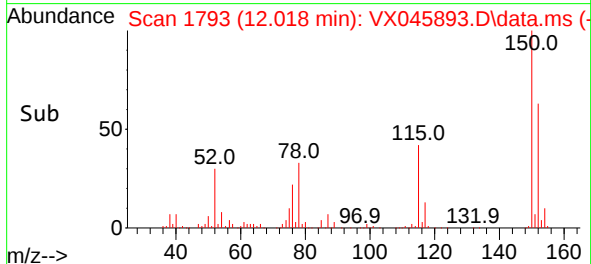
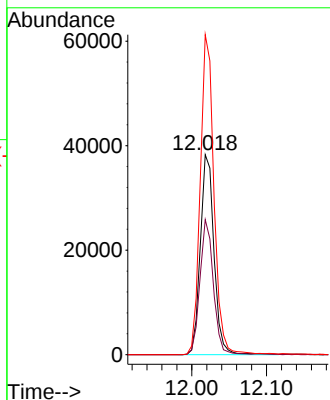
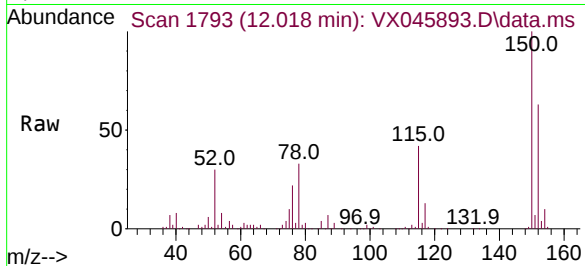




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.018 min Scan# 11
 Delta R.T. -0.000 min
 Lab File: VX045893.D
 Acq: 22 Apr 2025 18:23

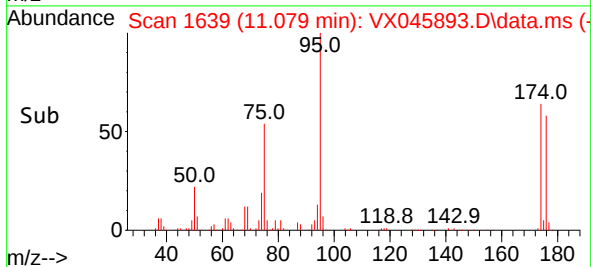
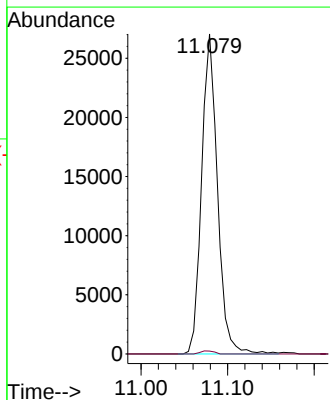
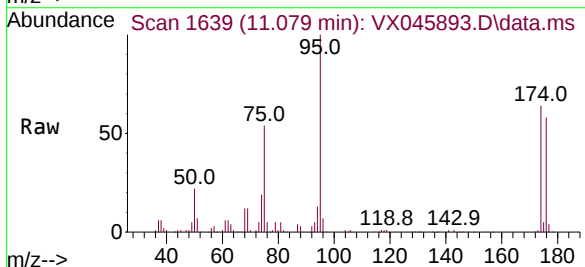
Instrument :
 MSVOA_X
 ClientSampleId :
 PL-714-COMP-12

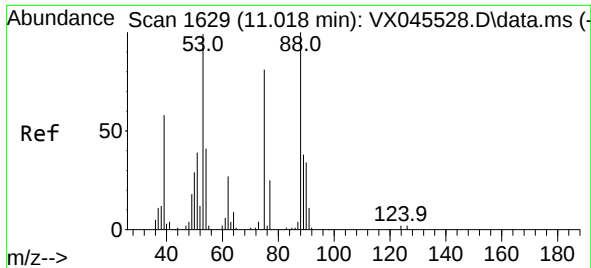
Tgt Ion:152 Resp: 48784
 Ion Ratio Lower Upper
 152 100
 115 66.0 46.9 140.7
 150 160.1 0.0 349.4



#76
 1,2,3-Trichloropropane
 Concen: 28.961 ug/l
 RT: 11.079 min Scan# 1639
 Delta R.T. -0.159 min
 Lab File: VX045893.D
 Acq: 22 Apr 2025 18:23

Tgt Ion: 75 Resp: 34462
 Ion Ratio Lower Upper
 75 100
 77 0.8 20.0 59.9#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 98.289 ug/l
 RT: 11.079 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX045893.D
 Acq: 22 Apr 2025 18:23

Instrument :
 MSVOA_X
 ClientSampleId :
 PL-714-COMP-12

Tgt Ion: 75 Resp: 34462
 Ion Ratio Lower Upper
 75 100
 53 0.0 101.8 152.6#
 89 0.0 37.2 55.8#

