

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX041825\
 Data File : VX045861.D
 Acq On : 18 Apr 2025 16:28
 Operator : JC/MD
 Sample : Q1832-36
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PL-714-COMP-6

Quant Time: Apr 18 23:42:30 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	71770	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	143436	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	132859	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	58351	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	71160	54.218	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 108.440%			
35) Dibromofluoromethane	5.379	113	50981	50.095	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 100.200%			
50) Toluene-d8	8.647	98	178822	50.343	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 100.680%			
62) 4-Bromofluorobenzene	11.079	95	69378	53.621	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 107.240%			
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	2.965	59	470	2.665	ug/l #	72
16) Acetone	2.380	43	28676	53.208	ug/l	98
18) Methyl Acetate	2.709	43	2355	1.898	ug/l #	86
20) Methylene Chloride	2.782	84	14120	13.994	ug/l	96
25) 2-Butanone	4.580	43	3748	4.751	ug/l	91
31) Cyclohexane	5.550	56	2153	1.337	ug/l #	33
36) 1,1-Dichloropropene	5.544	75	7098	5.166	ug/l #	49
37) Ethyl Acetate	4.751	43	366	0.211	ug/l #	71
38) Carbon Tetrachloride	5.544	117	8256	5.559	ug/l #	17
43) Isopropyl Acetate	6.348	43	10440	3.978	ug/l #	87
48) Methyl methacrylate	7.793	41	31273	23.078	ug/l #	50
51) 4-Methyl-2-Pentanone	8.543	43	35079	20.162	ug/l #	49
53) t-1,3-Dichloropropene	8.945	75	21	2.302	ug/l #	43
54) cis-1,3-Dichloropropene	8.543	75	13417	8.895	ug/l #	67
57) 1,3-Dichloropropane	9.482	76	981	0.557	ug/l #	42
59) 2-Hexanone	9.372	43	12895	10.009	ug/l #	28
76) 1,2,3-Trichloropropane	11.079	75	39591	27.816	ug/l #	37
81) trans-1,4-Dichloro-2-b...	11.079	75	39591	94.404	ug/l #	1
95) Naphthalene	13.780	128	4669	1.153	ug/l	99

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

Quant Time: Apr 18 23:42:30 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

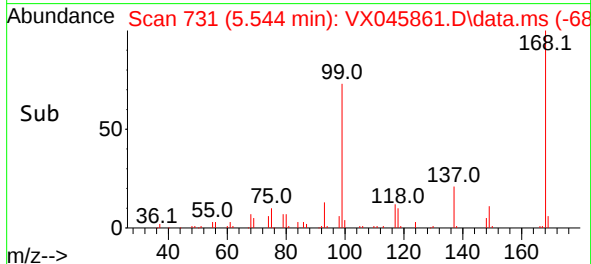
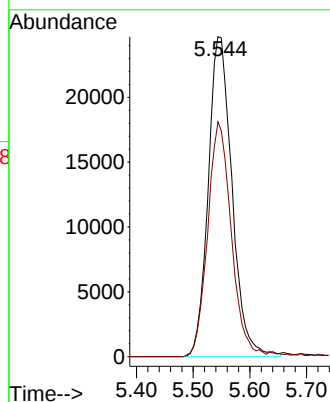
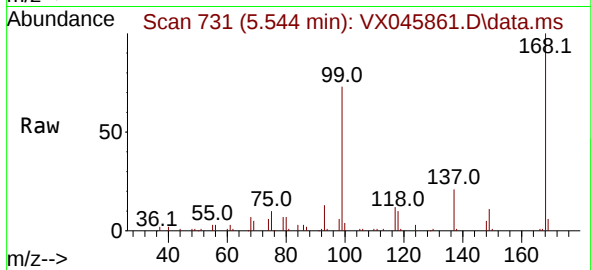




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX045861.D
Acq: 18 Apr 2025 16:28

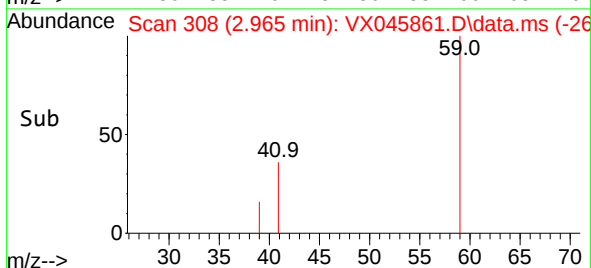
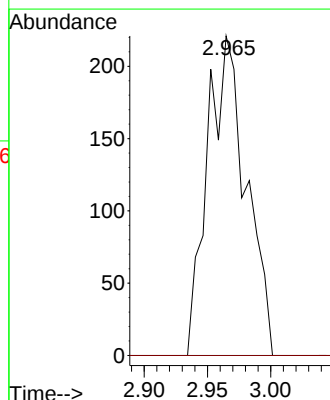
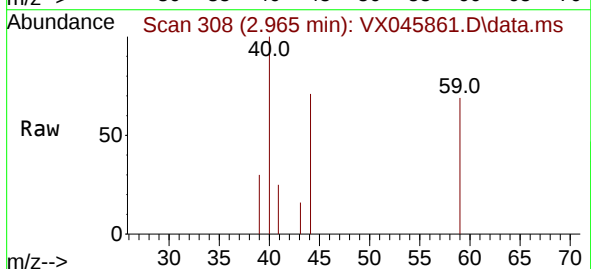
Instrument :
MSVOA_X
ClientSampleId :
PL-714-COMP-6

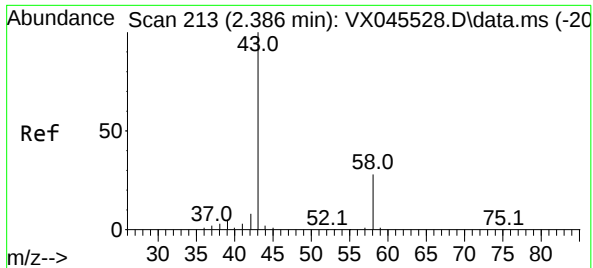
Tgt Ion:168 Resp: 71770
Ion Ratio Lower Upper
168 100
99 73.4 52.3 78.5



#11
Tert butyl alcohol
Concen: 2.665 ug/l
RT: 2.965 min Scan# 308
Delta R.T. -0.012 min
Lab File: VX045861.D
Acq: 18 Apr 2025 16:28

Tgt Ion: 59 Resp: 470
Ion Ratio Lower Upper
59 100
57 0.0 8.6 12.8#

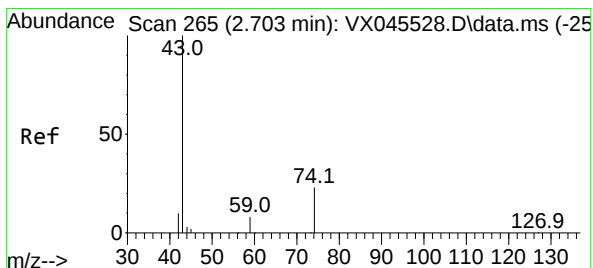
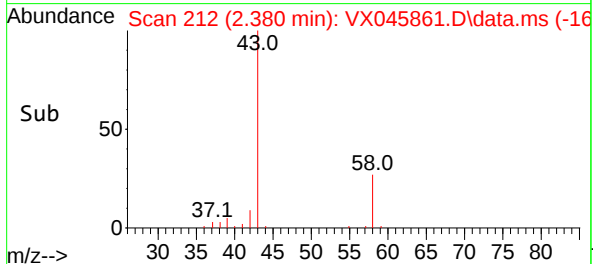
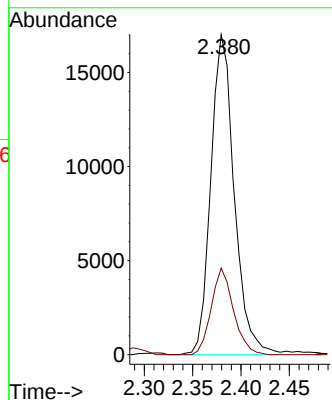
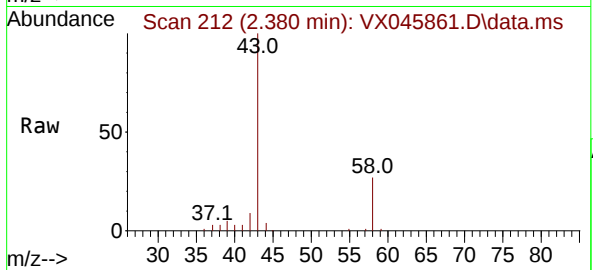




#16
Acetone
Concen: 53.208 ug/l
RT: 2.380 min Scan# 213
Delta R.T. -0.006 min
Lab File: VX045861.D
Acq: 18 Apr 2025 16:28

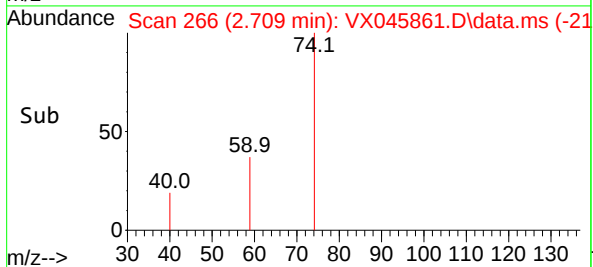
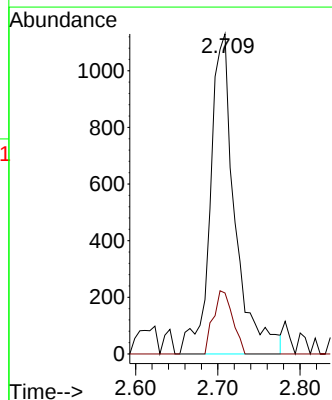
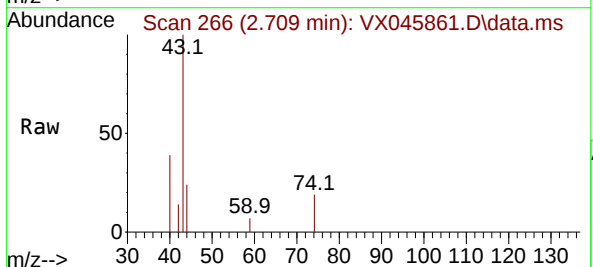
Instrument :
MSVOA_X
ClientSampleId :
PL-714-COMP-6

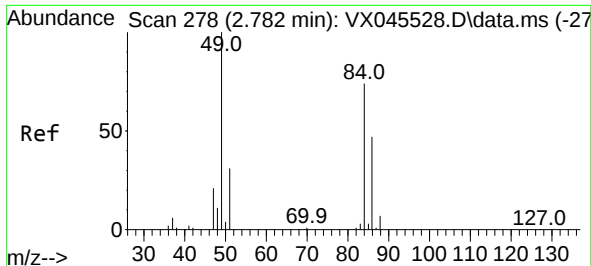
Tgt Ion: 43 Resp: 28676
Ion Ratio Lower Upper
43 100
58 27.0 22.3 33.5



#18
Methyl Acetate
Concen: 1.898 ug/l
RT: 2.709 min Scan# 266
Delta R.T. 0.006 min
Lab File: VX045861.D
Acq: 18 Apr 2025 16:28

Tgt Ion: 43 Resp: 2355
Ion Ratio Lower Upper
43 100
74 15.4 17.5 26.3#

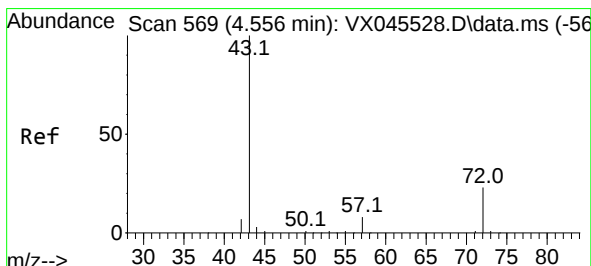
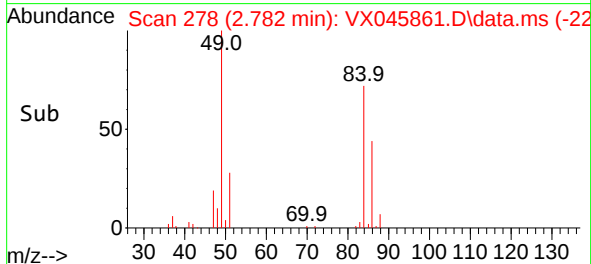
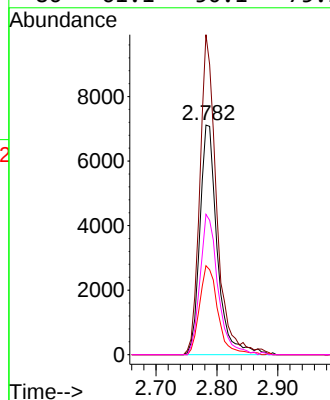
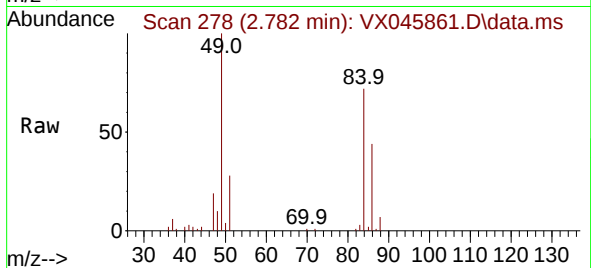




#20
Methylene Chloride
Concen: 13.994 ug/l
RT: 2.782 min Scan# 21
Delta R.T. -0.000 min
Lab File: VX045861.D
Acq: 18 Apr 2025 16:28

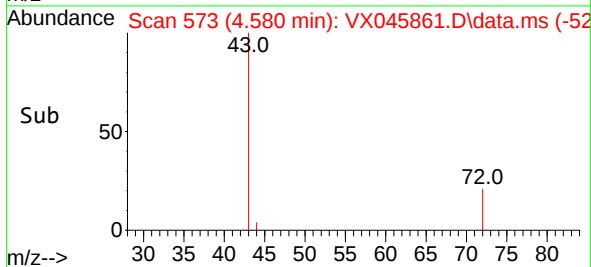
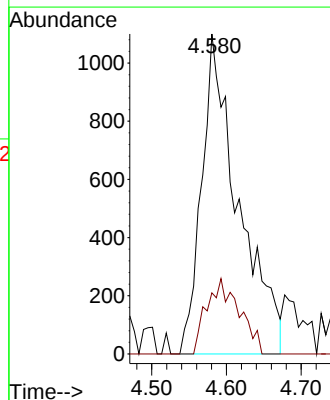
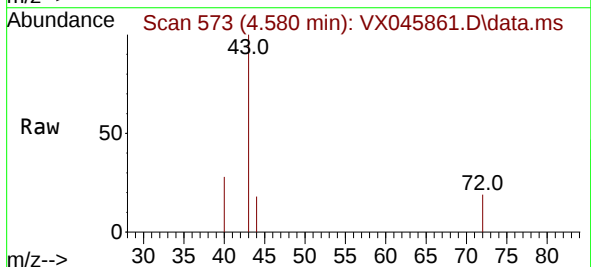
Instrument :
MSVOA_X
ClientSampleId :
PL-714-COMP-6

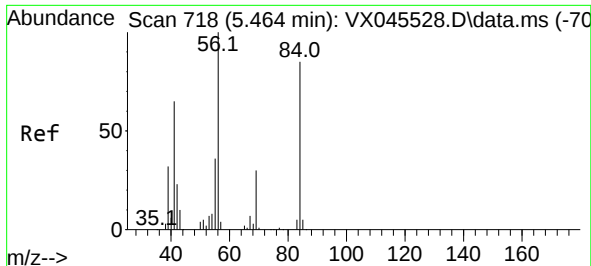
Tgt Ion:	84	Resp:	14120
Ion	Ratio	Lower	Upper
84	100		
49	139.4	107.5	161.3
51	38.8	33.0	49.6
86	61.1	50.1	75.1



#25
2-Butanone
Concen: 4.751 ug/l
RT: 4.580 min Scan# 573
Delta R.T. 0.024 min
Lab File: VX045861.D
Acq: 18 Apr 2025 16:28

Tgt Ion:	43	Resp:	3748
Ion	Ratio	Lower	Upper
43	100		
72	19.1	18.6	28.0

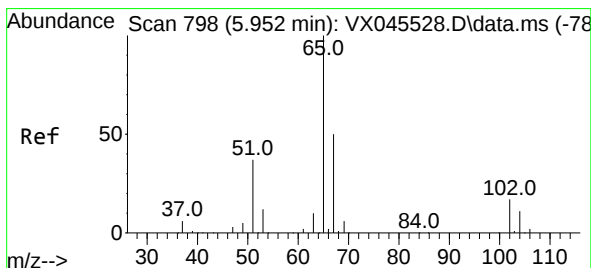
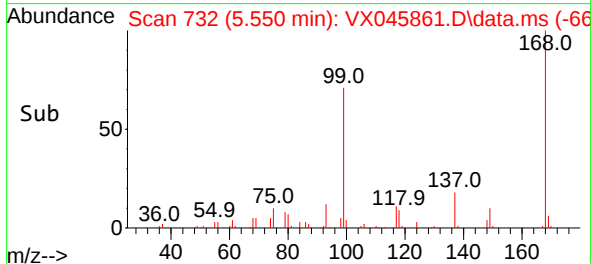
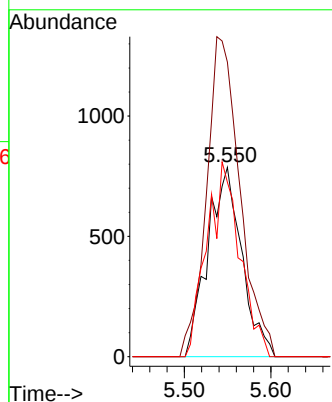
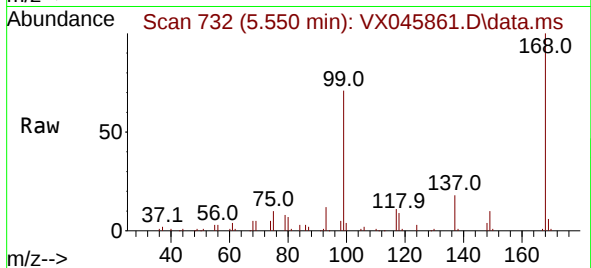




#31
Cyclohexane
Concen: 1.337 ug/l
RT: 5.550 min Scan# 718
Delta R.T. 0.085 min
Lab File: VX045861.D
Acq: 18 Apr 2025 16:28

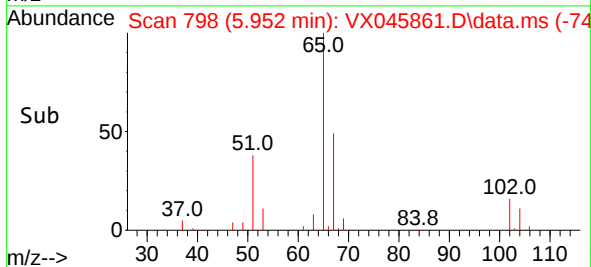
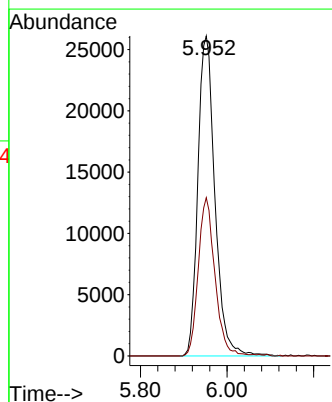
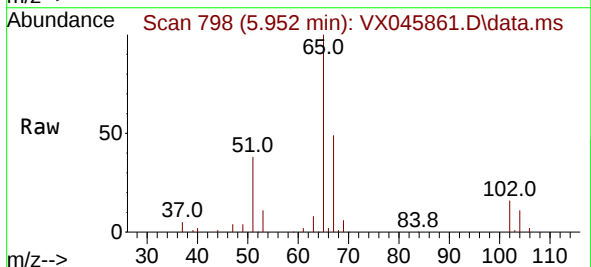
Instrument :
MSVOA_X
ClientSampleId :
PL-714-COMP-6

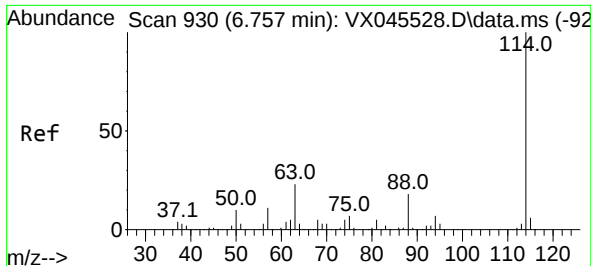
Tgt Ion: 56 Resp: 2153
Ion Ratio Lower Upper
56 100
69 155.5 23.6 35.4#
84 92.1 67.7 101.5



#33
1,2-Dichloroethane-d4
Concen: 54.218 ug/l
RT: 5.952 min Scan# 798
Delta R.T. -0.000 min
Lab File: VX045861.D
Acq: 18 Apr 2025 16:28

Tgt Ion: 65 Resp: 71160
Ion Ratio Lower Upper
65 100
67 48.4 0.0 99.0

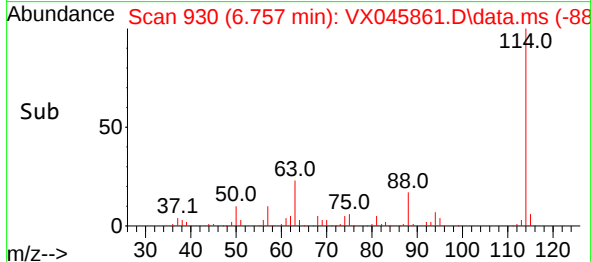
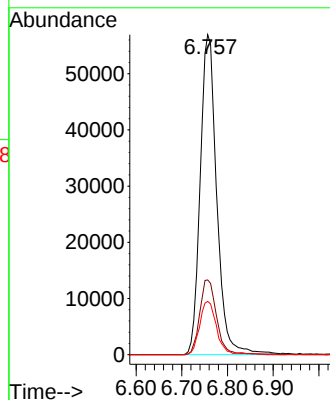
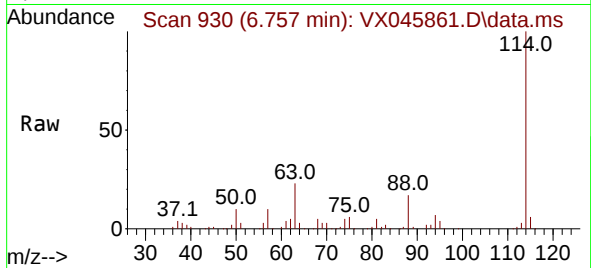




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 91
Delta R.T. -0.000 min
Lab File: VX045861.D
Acq: 18 Apr 2025 16:28

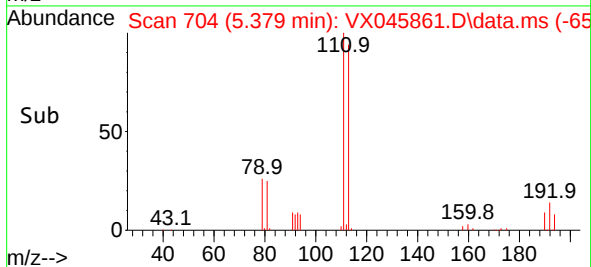
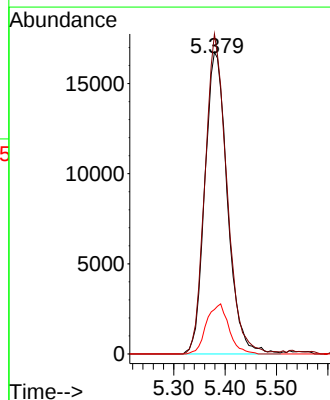
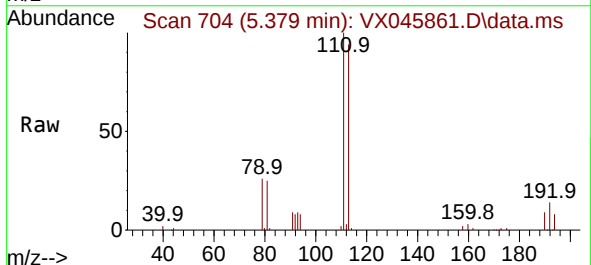
Instrument :
MSVOA_X
ClientSampleId :
PL-714-COMP-6

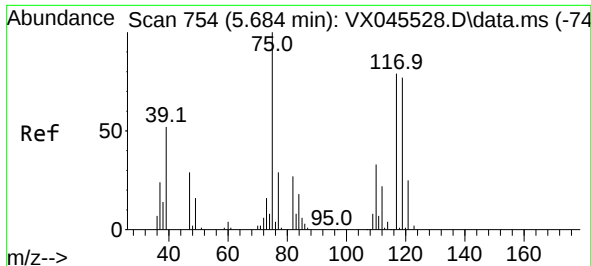
Tgt Ion:114 Resp: 143436
Ion Ratio Lower Upper
114 100
63 23.4 0.0 46.8
88 16.7 0.0 35.4



#35
Dibromofluoromethane
Concen: 50.095 ug/l
RT: 5.379 min Scan# 704
Delta R.T. -0.000 min
Lab File: VX045861.D
Acq: 18 Apr 2025 16:28

Tgt Ion:113 Resp: 50981
Ion Ratio Lower Upper
113 100
111 103.0 81.8 122.6
192 16.5 13.8 20.6

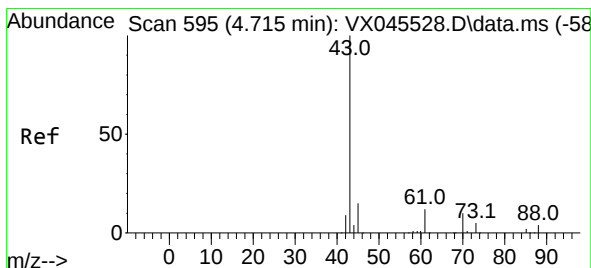
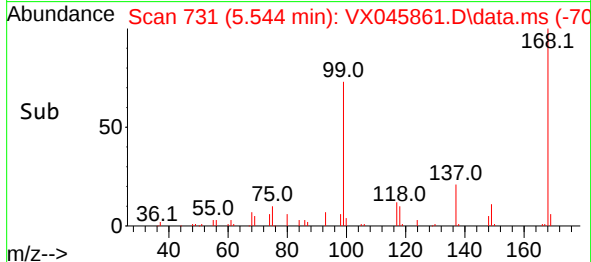
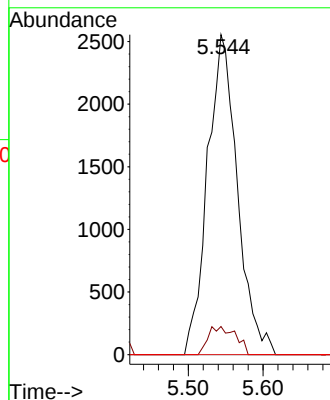
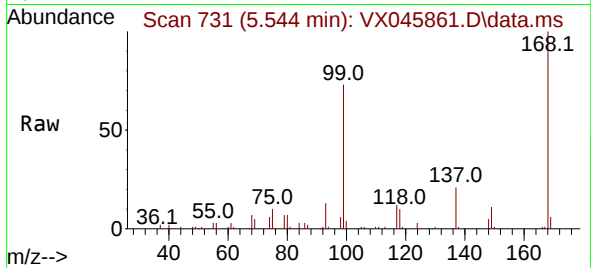




#36
1,1-Dichloropropene
Concen: 5.166 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.140 min
Lab File: VX045861.D
Acq: 18 Apr 2025 16:28

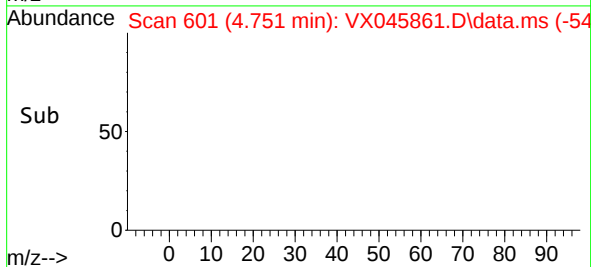
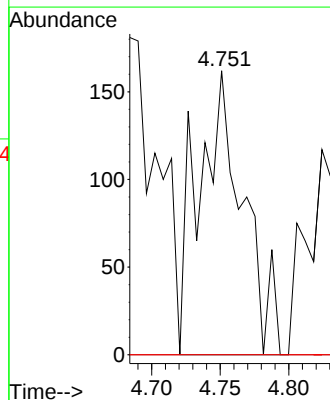
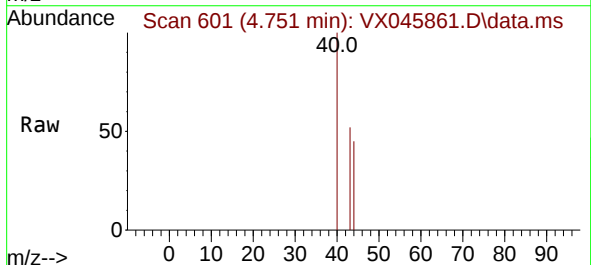
Instrument :
MSVOA_X
ClientSampleId :
PL-714-COMP-6

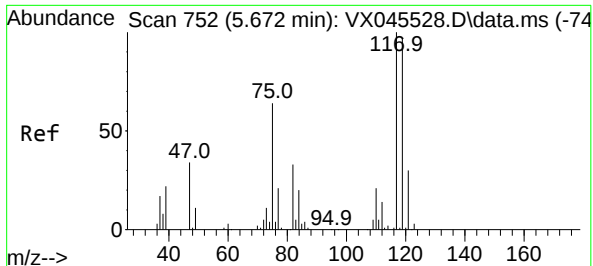
Tgt Ion: 75 Resp: 7098
Ion Ratio Lower Upper
75 100
110 8.0 16.9 50.6#
77 0.0 25.0 37.4#



#37
Ethyl Acetate
Concen: 0.211 ug/l
RT: 4.751 min Scan# 601
Delta R.T. 0.037 min
Lab File: VX045861.D
Acq: 18 Apr 2025 16:28

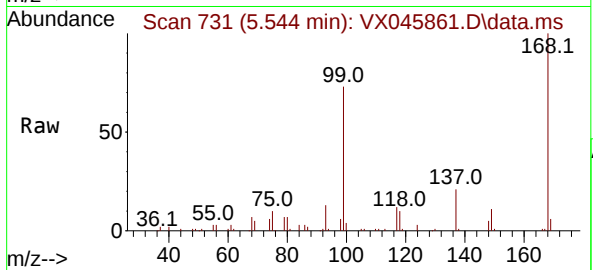
Tgt Ion: 43 Resp: 366
Ion Ratio Lower Upper
43 100
61 0.0 9.9 14.9#
70 0.0 7.5 11.3#



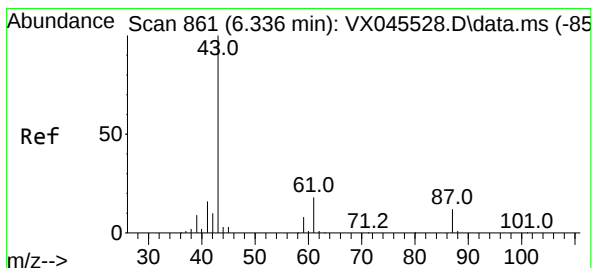
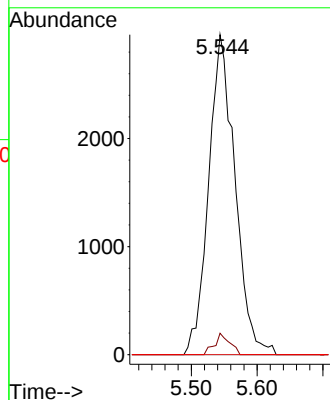
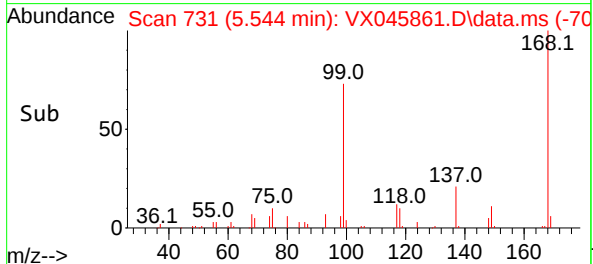


#38
Carbon Tetrachloride
Concen: 5.559 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.128 min
Lab File: VX045861.D
Acq: 18 Apr 2025 16:28

Instrument :
MSVOA_X
ClientSampleId :
PL-714-COMP-6

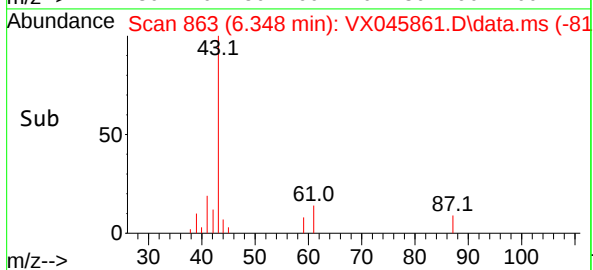
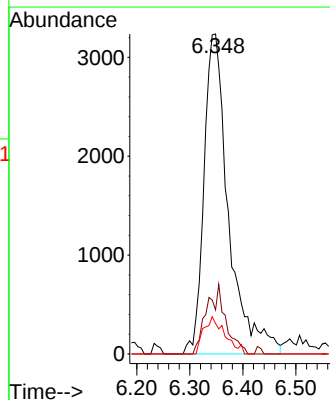
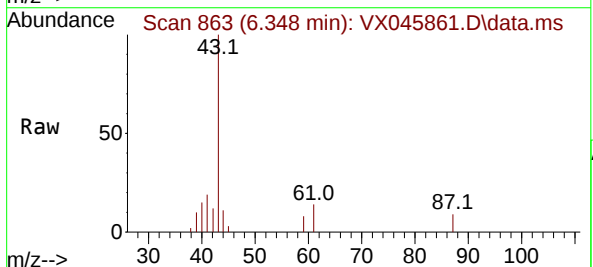


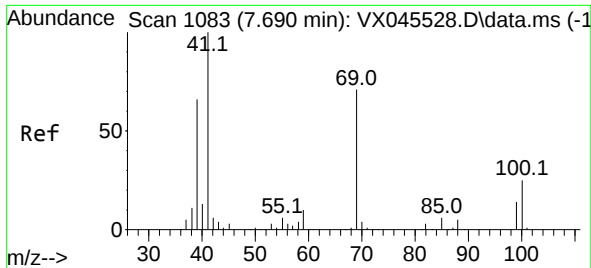
Tgt Ion:117 Resp: 8256
Ion Ratio Lower Upper
117 100
119 6.7 76.9 115.3#
121 0.0 24.2 36.2#



#43
Isopropyl Acetate
Concen: 3.978 ug/l
RT: 6.348 min Scan# 863
Delta R.T. 0.012 min
Lab File: VX045861.D
Acq: 18 Apr 2025 16:28

Tgt Ion: 43 Resp: 10440
Ion Ratio Lower Upper
43 100
61 8.9 14.1 21.1#
87 10.0 9.2 13.8

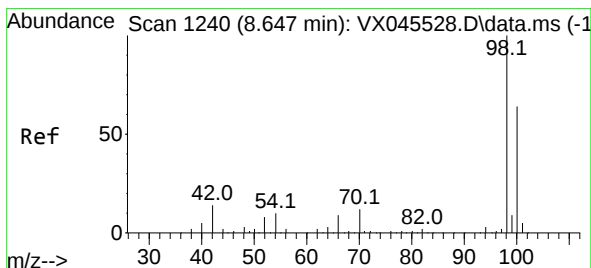
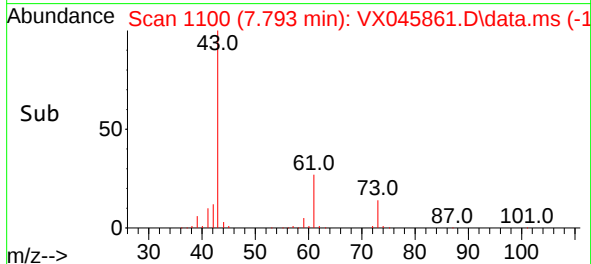
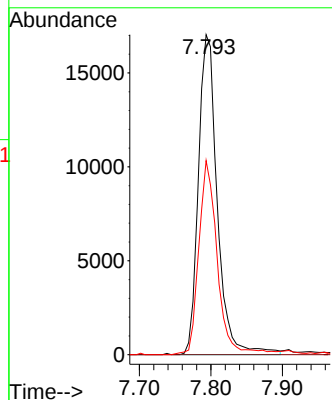
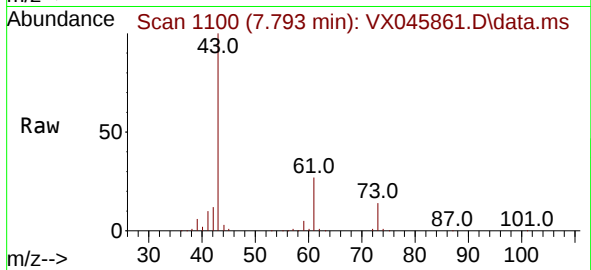




#48
Methyl methacrylate
Concen: 23.078 ug/l
RT: 7.793 min Scan# 1100
Delta R.T. 0.104 min
Lab File: VX045861.D
Acq: 18 Apr 2025 16:28

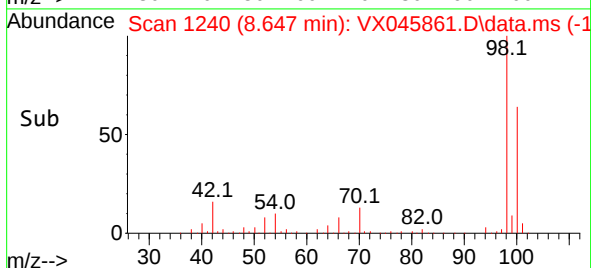
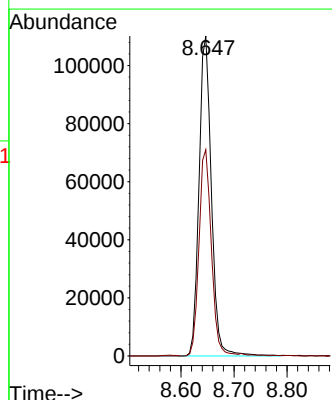
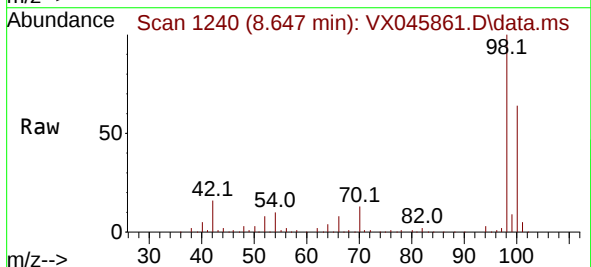
Instrument :
MSVOA_X
ClientSampleId :
PL-714-COMP-6

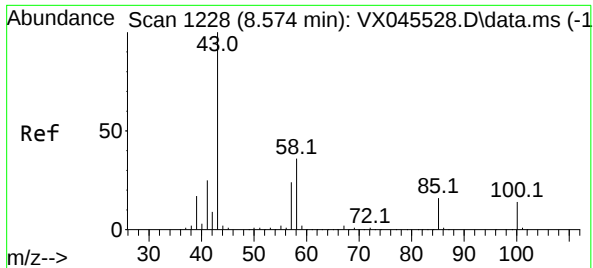
Tgt Ion: 41 Resp: 31273
Ion Ratio Lower Upper
41 100
69 0.0 58.2 87.2#
39 59.3 53.6 80.4



#50
Toluene-d8
Concen: 50.343 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX045861.D
Acq: 18 Apr 2025 16:28

Tgt Ion: 98 Resp: 178822
Ion Ratio Lower Upper
98 100
100 65.0 52.2 78.4

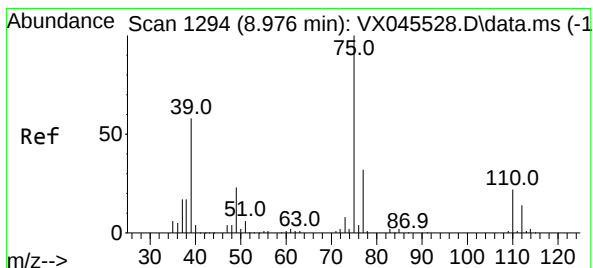
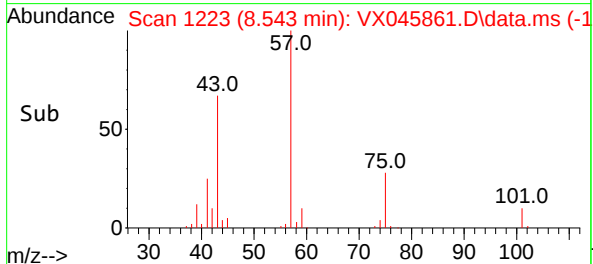
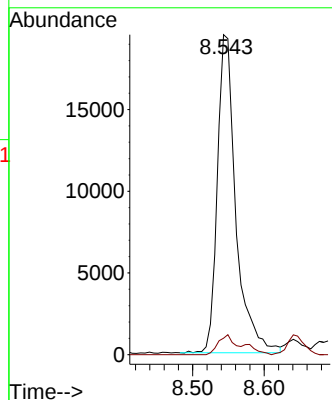
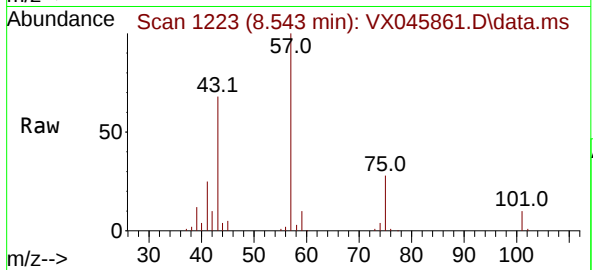




#51
4-Methyl-2-Pentanone
Concen: 20.162 ug/l
RT: 8.543 min Scan# 11
Delta R.T. -0.031 min
Lab File: VX045861.D
Acq: 18 Apr 2025 16:28

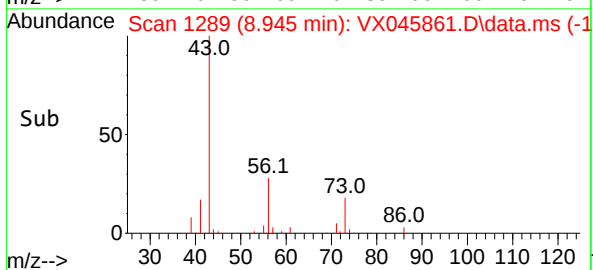
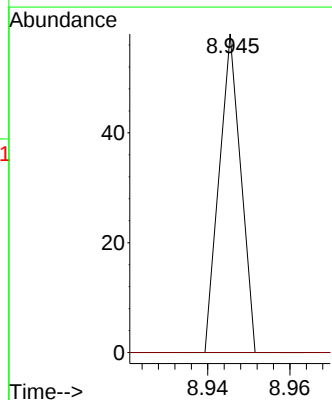
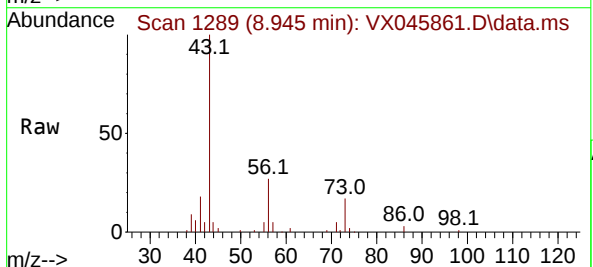
Instrument :
MSVOA_X
ClientSampleId :
PL-714-COMP-6

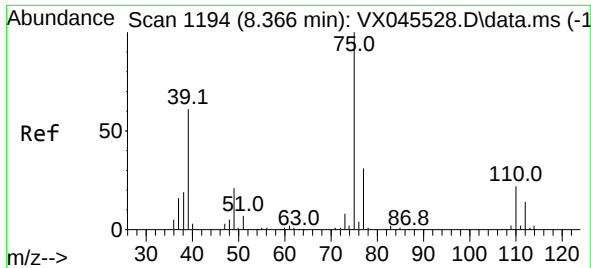
Tgt Ion: 43 Resp: 35079
Ion Ratio Lower Upper
43 100
58 5.6 28.5 42.7#



#53
t-1,3-Dichloropropene
Concen: 2.302 ug/l
RT: 8.945 min Scan# 1289
Delta R.T. -0.031 min
Lab File: VX045861.D
Acq: 18 Apr 2025 16:28

Tgt Ion: 75 Resp: 21
Ion Ratio Lower Upper
75 100
77 0.0 25.4 38.0#

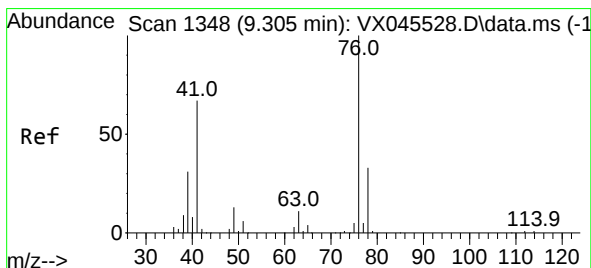
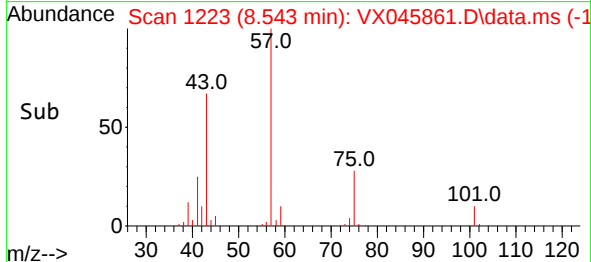
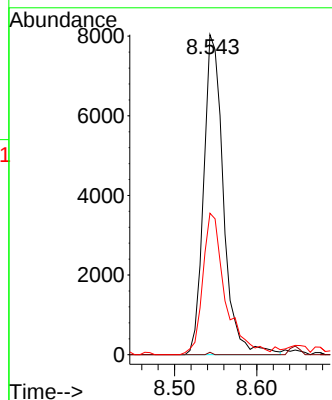
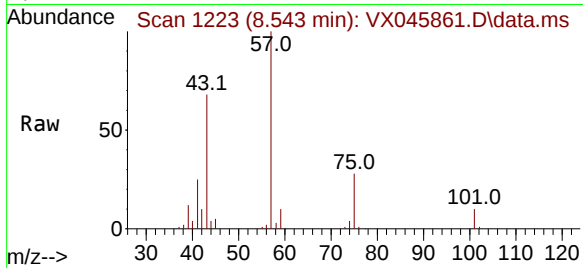




#54
 cis-1,3-Dichloropropene
 Concen: 8.895 ug/l
 RT: 8.543 min Scan# 1194
 Delta R.T. 0.177 min
 Lab File: VX045861.D
 Acq: 18 Apr 2025 16:28

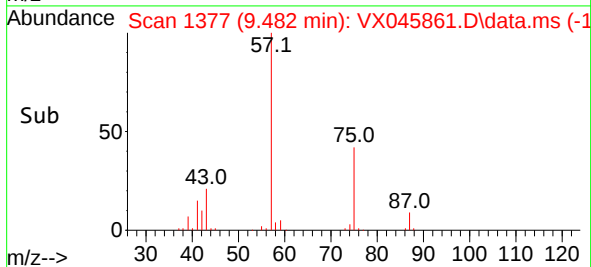
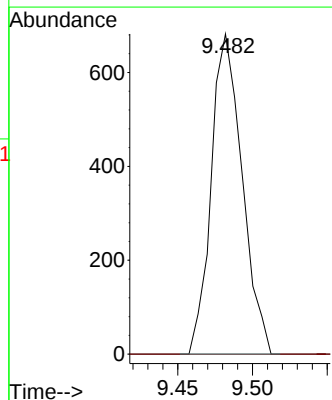
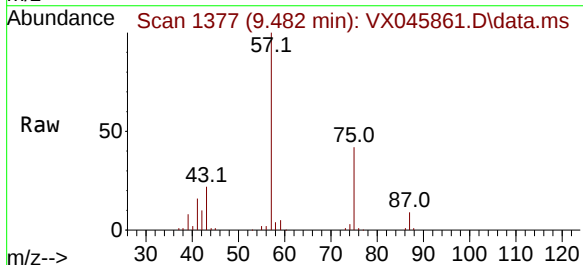
Instrument :
 MSVOA_X
 ClientSampleId :
 PL-714-COMP-6

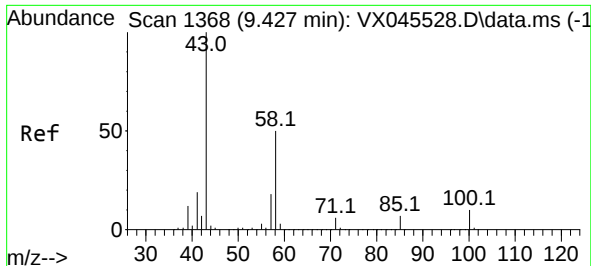
Tgt Ion: 75 Resp: 13417
 Ion Ratio Lower Upper
 75 100
 77 0.8 24.6 36.8#
 39 44.2 48.4 72.6#



#57
 1,3-Dichloropropane
 Concen: 0.557 ug/l
 RT: 9.482 min Scan# 1377
 Delta R.T. 0.177 min
 Lab File: VX045861.D
 Acq: 18 Apr 2025 16:28

Tgt Ion: 76 Resp: 981
 Ion Ratio Lower Upper
 76 100
 78 0.0 26.0 39.0#

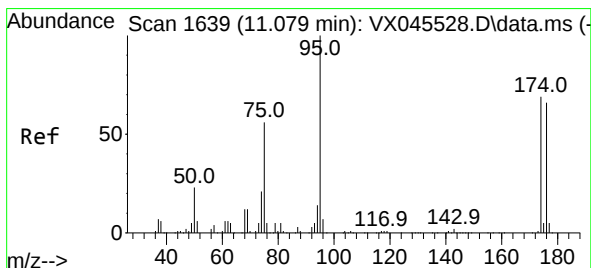
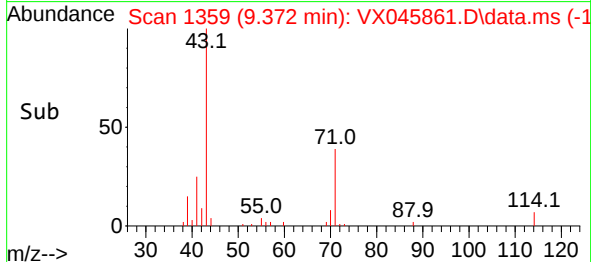
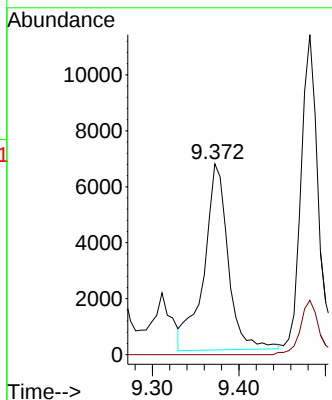
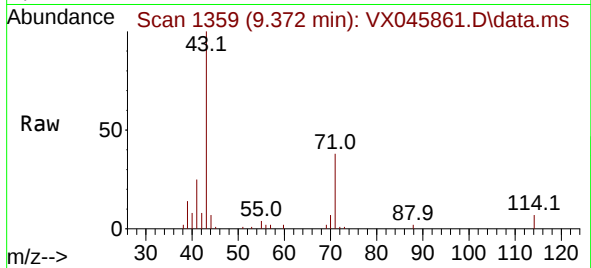




#59
2-Hexanone
Concen: 10.009 ug/l
RT: 9.372 min Scan# 11
Delta R.T. -0.055 min
Lab File: VX045861.D
Acq: 18 Apr 2025 16:28

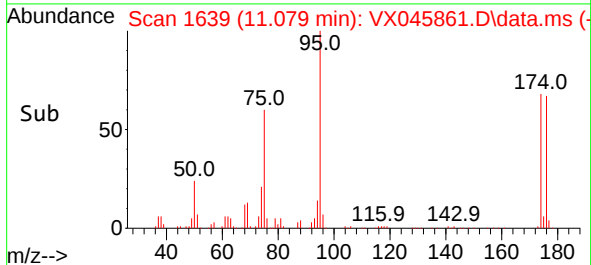
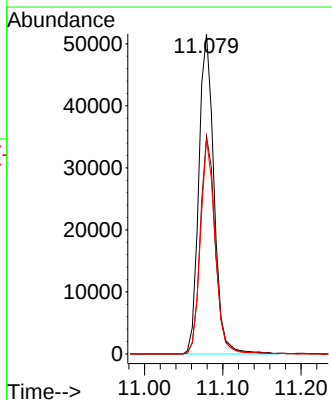
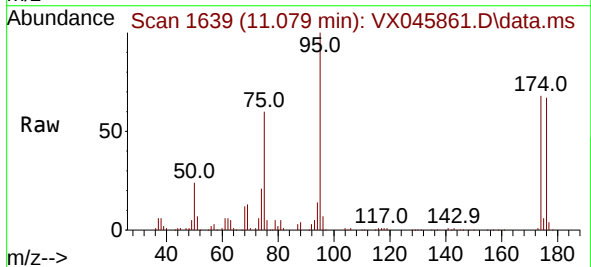
Instrument :
MSVOA_X
ClientSampleId :
PL-714-COMP-6

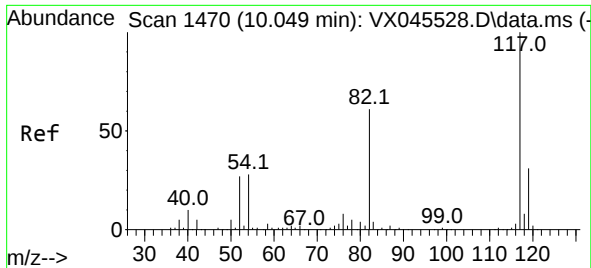
Tgt Ion: 43 Resp: 12895
Ion Ratio Lower Upper
43 100
58 0.0 24.9 74.6#



#62
4-Bromofluorobenzene
Concen: 53.621 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX045861.D
Acq: 18 Apr 2025 16:28

Tgt Ion: 95 Resp: 69378
Ion Ratio Lower Upper
95 100
174 67.3 0.0 135.8
176 64.7 0.0 131.4

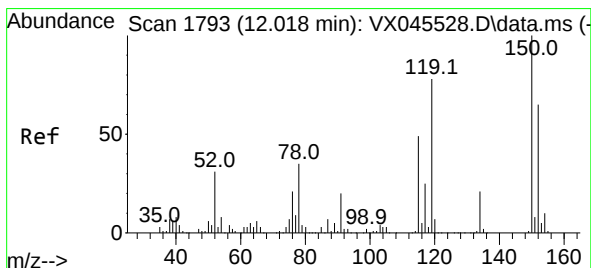
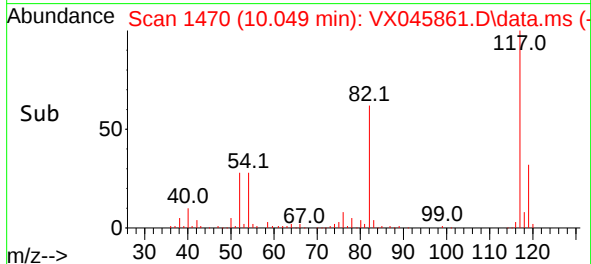
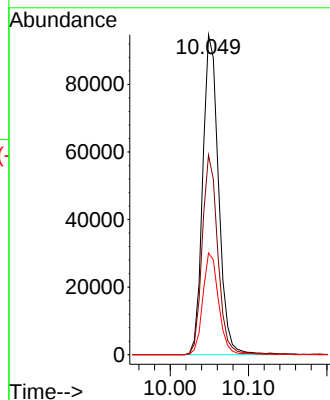
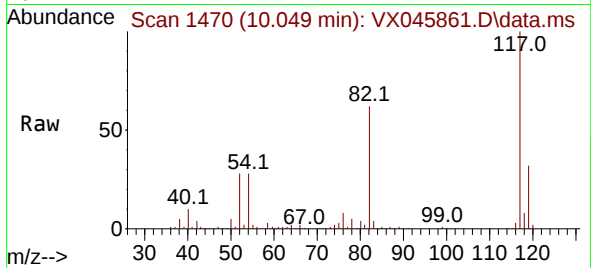




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 1470
Delta R.T. -0.000 min
Lab File: VX045861.D
Acq: 18 Apr 2025 16:28

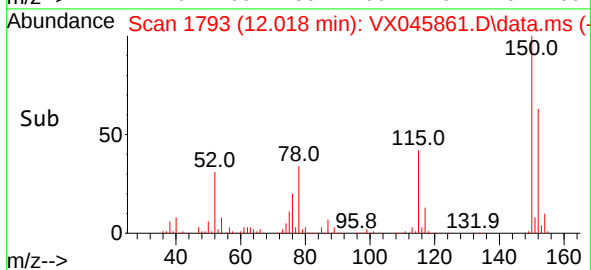
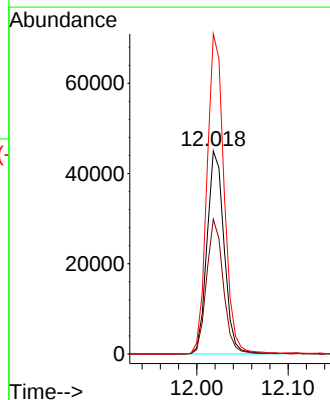
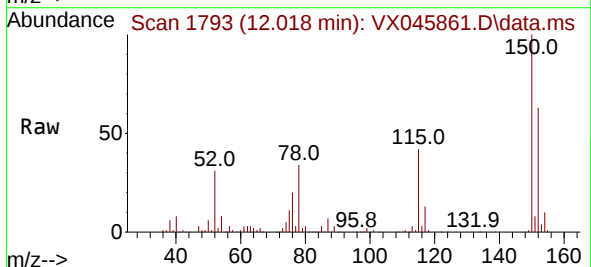
Instrument :
MSVOA_X
ClientSampleId :
PL-714-COMP-6

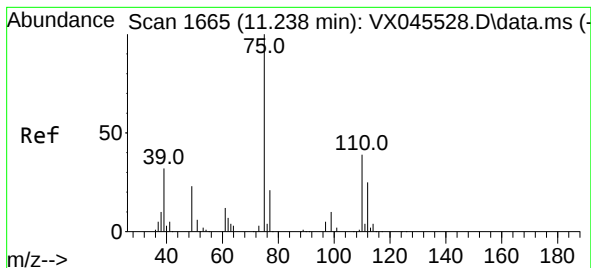
Tgt Ion:117 Resp: 132859
Ion Ratio Lower Upper
117 100
82 62.4 49.2 73.8
119 31.8 25.1 37.7



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VX045861.D
Acq: 18 Apr 2025 16:28

Tgt Ion:152 Resp: 58351
Ion Ratio Lower Upper
152 100
115 64.8 46.9 140.7
150 158.2 0.0 349.4





#76

1,2,3-Trichloropropane

Concen: 27.816 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.159 min

Lab File: VX045861.D

Acq: 18 Apr 2025 16:28

Instrument :

MSVOA_X

ClientSampleId :

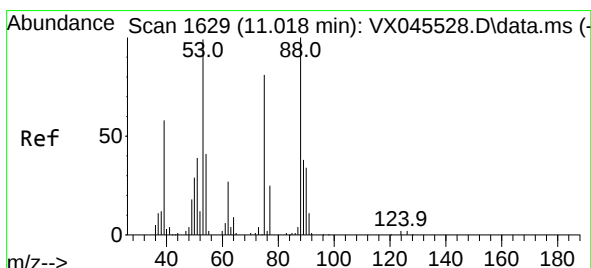
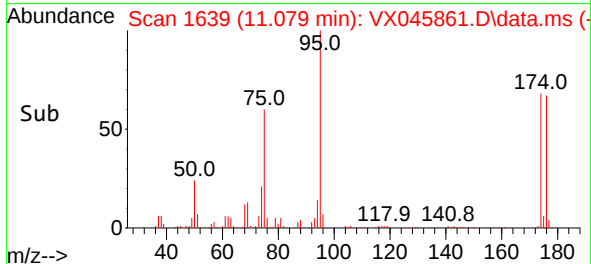
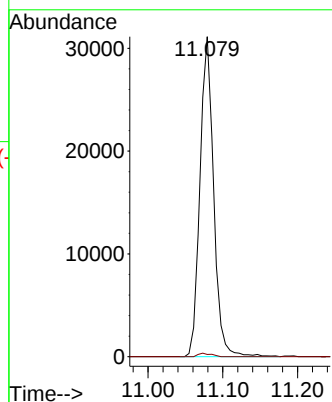
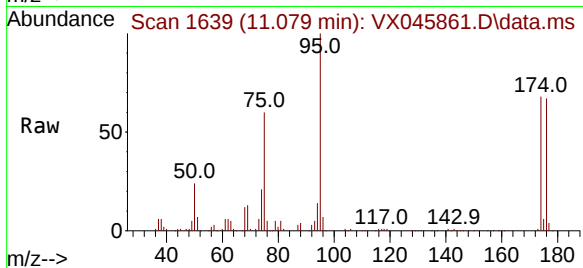
PL-714-COMP-6

Tgt Ion: 75 Resp: 39591

Ion Ratio Lower Upper

75 100

77 1.0 20.0 59.9#



#81

trans-1,4-Dichloro-2-butene

Concen: 94.404 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.061 min

Lab File: VX045861.D

Acq: 18 Apr 2025 16:28

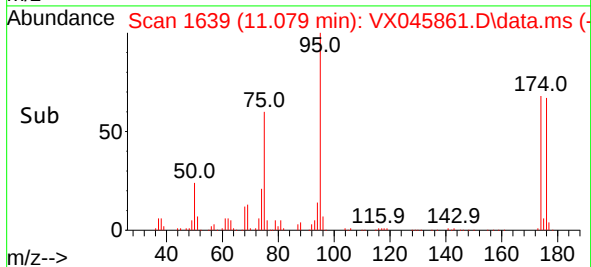
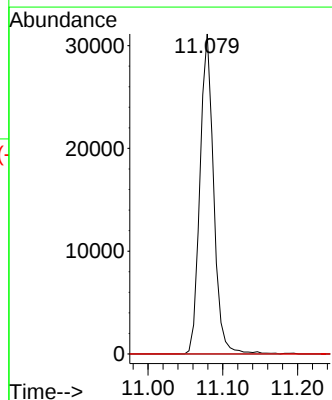
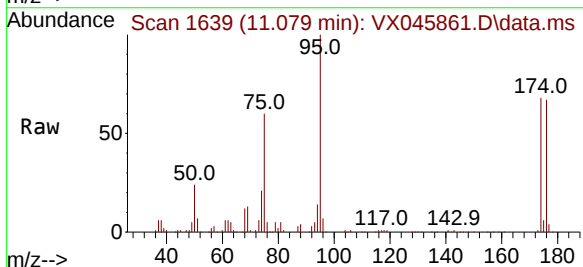
Tgt Ion: 75 Resp: 39591

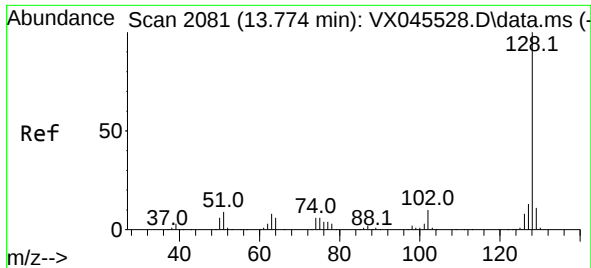
Ion Ratio Lower Upper

75 100

53 0.0 101.8 152.6#

89 0.0 37.2 55.8#





#95

Naphthalene

Concen: 1.153 ug/l

RT: 13.780 min Scan# 20

Delta R.T. 0.006 min

Lab File: VX045861.D

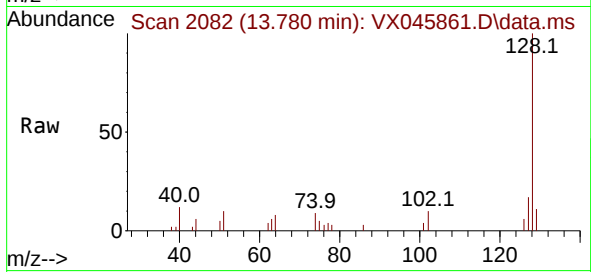
Acq: 18 Apr 2025 16:28

Instrument :

MSVOA_X

ClientSampleId :

PL-714-COMP-6



Tgt Ion:128 Resp: 4669

Ion Ratio Lower Upper

128 100

127 13.1 10.3 15.5

129 10.4 8.6 12.8

