

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX041825\
 Data File : VX045857.D
 Acq On : 18 Apr 2025 14:56
 Operator : JC/MD
 Sample : Q1832-12
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PL-714-COMP-02

Quant Time: Apr 18 23:40:46 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)

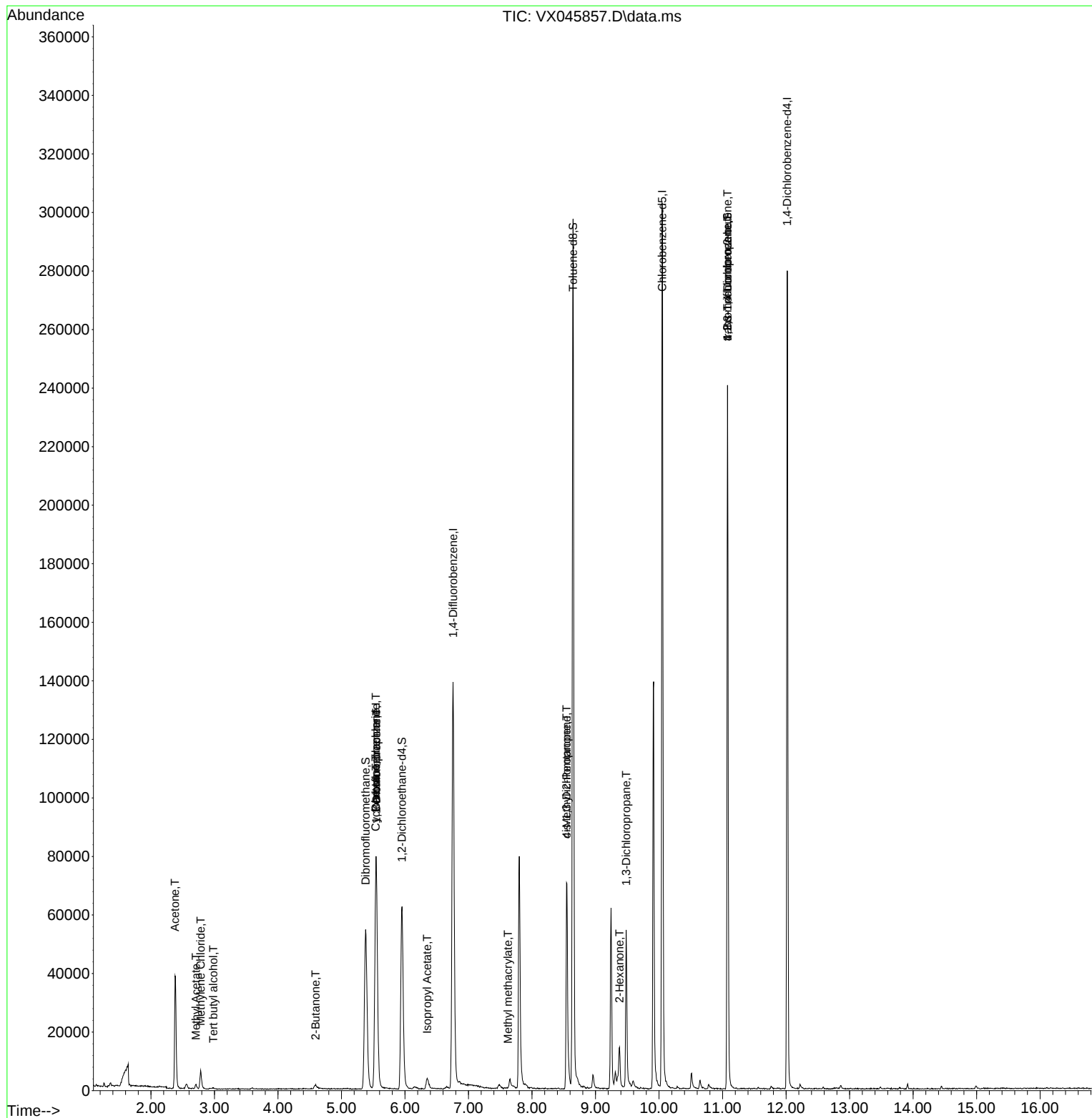
Internal Standards						
1) Pentafluorobenzene	5.544	168	67920	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	133935	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	124149	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	51371	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	64527	51.951	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 103.900%			
35) Dibromofluoromethane	5.379	113	47415	49.896	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 99.800%			
50) Toluene-d8	8.647	98	167955	50.637	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 101.280%			
62) 4-Bromofluorobenzene	11.079	95	63552	52.603	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 105.200%			
Target Compounds						Qvalue
11) Tert butyl alcohol	2.983	59	330	1.977	ug/l #	72
16) Acetone	2.380	43	42644	83.610	ug/l	96
18) Methyl Acetate	2.709	43	2047	1.743	ug/l	91
20) Methylene Chloride	2.782	84	2813	2.946	ug/l	93
25) 2-Butanone	4.593	43	3754	5.028	ug/l	99
31) Cyclohexane	5.537	56	2092	1.373	ug/l #	35
36) 1,1-Dichloropropene	5.550	75	6936	5.406	ug/l #	51
38) Carbon Tetrachloride	5.544	117	8139	5.869	ug/l #	14
43) Isopropyl Acetate	6.348	43	5827	2.378	ug/l #	94
48) Methyl methacrylate	7.622	41	330	0.261	ug/l #	15
51) 4-Methyl-2-Pentanone	8.543	43	30043	18.493	ug/l #	48
54) cis-1,3-Dichloropropene	8.543	75	11131	7.903	ug/l #	68
57) 1,3-Dichloropropane	9.482	76	507	0.308	ug/l #	42
59) 2-Hexanone	9.378	43	11863	9.861	ug/l #	28
76) 1,2,3-Trichloropropane	11.079	75	36048	28.768	ug/l #	37
81) trans-1,4-Dichloro-2-b...	11.079	75	36048	97.635	ug/l #	1

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

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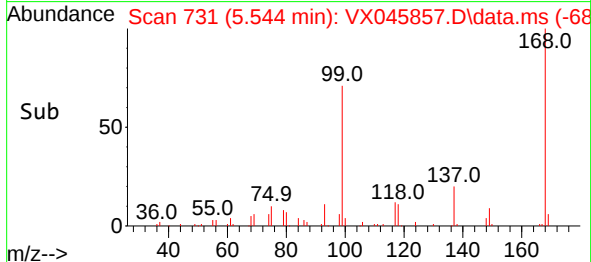
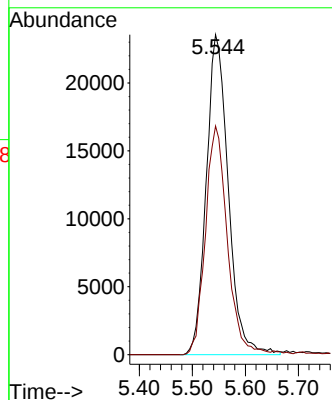
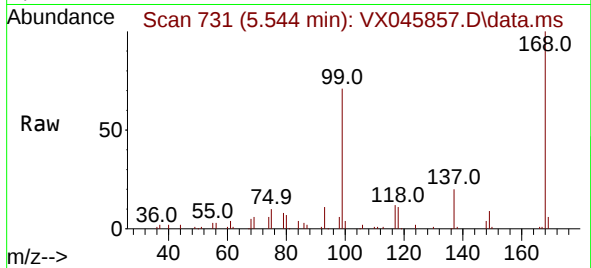




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX045857.D
Acq: 18 Apr 2025 14:56

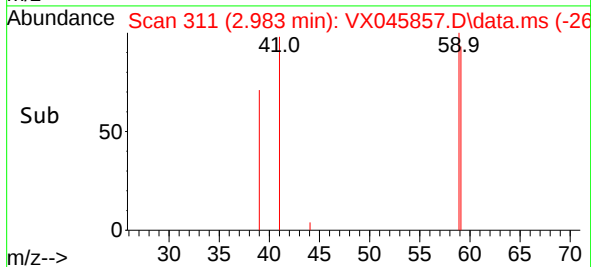
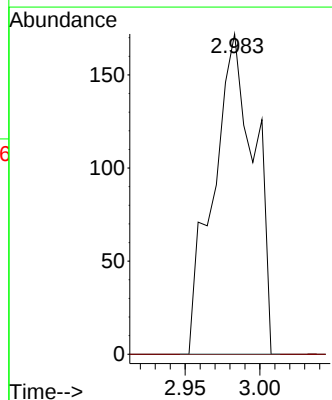
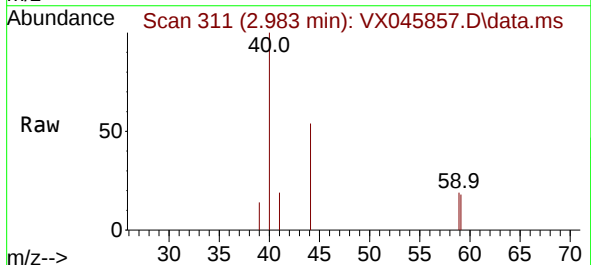
Instrument :
MSVOA_X
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PL-714-COMP-02

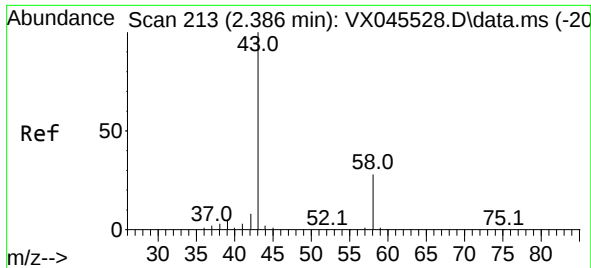
Tgt Ion:168 Resp: 67920
Ion Ratio Lower Upper
168 100
99 71.4 52.3 78.5



#11
Tert butyl alcohol
Concen: 1.977 ug/l
RT: 2.983 min Scan# 311
Delta R.T. 0.006 min
Lab File: VX045857.D
Acq: 18 Apr 2025 14:56

Tgt Ion: 59 Resp: 330
Ion Ratio Lower Upper
59 100
57 0.0 8.6 12.8#

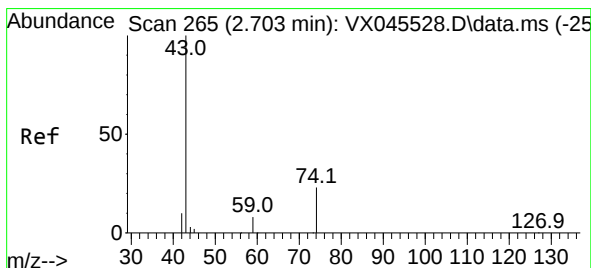
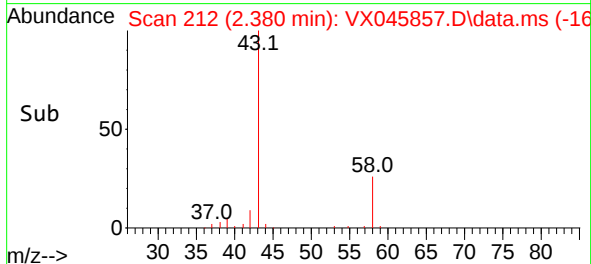
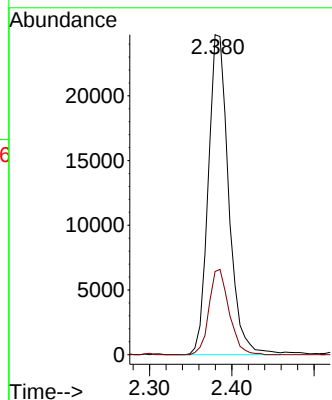
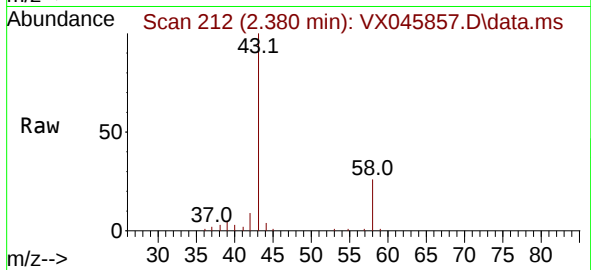




#16
Acetone
Concen: 83.610 ug/l
RT: 2.380 min Scan# 213
Delta R.T. -0.006 min
Lab File: VX045857.D
Acq: 18 Apr 2025 14:56

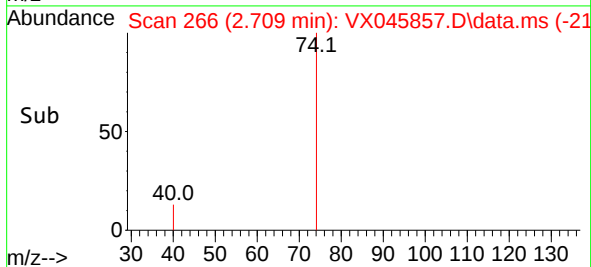
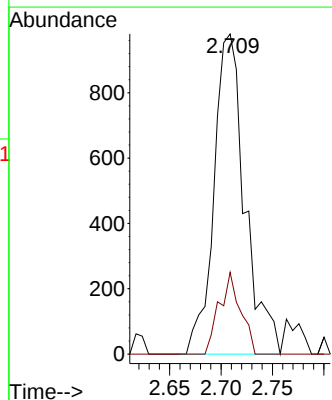
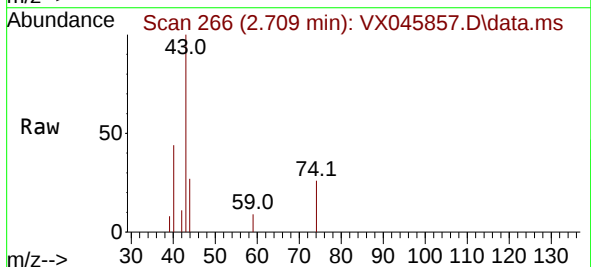
Instrument :
MSVOA_X
ClientSampleId :
PL-714-COMP-02

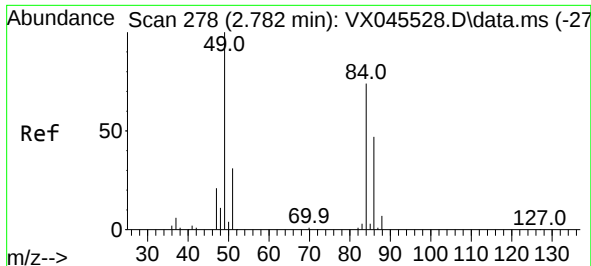
Tgt Ion: 43 Resp: 42644
Ion Ratio Lower Upper
43 100
58 26.0 22.3 33.5



#18
Methyl Acetate
Concen: 1.743 ug/l
RT: 2.709 min Scan# 266
Delta R.T. 0.006 min
Lab File: VX045857.D
Acq: 18 Apr 2025 14:56

Tgt Ion: 43 Resp: 2047
Ion Ratio Lower Upper
43 100
74 17.6 17.5 26.3

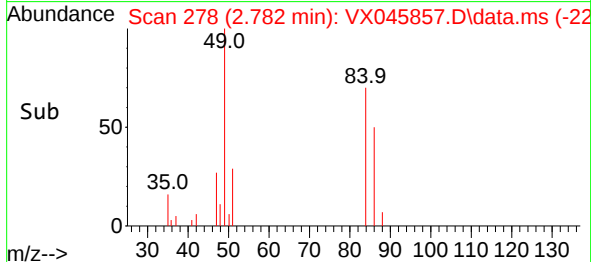
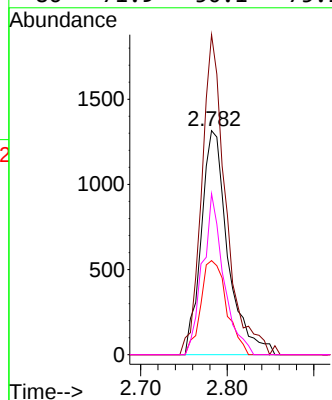
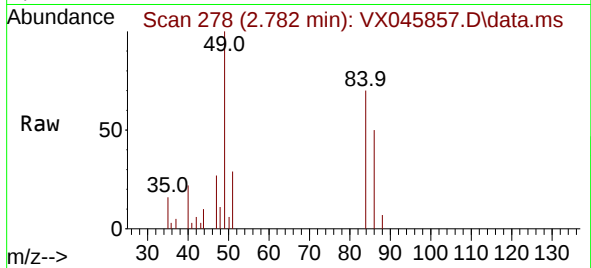




#20
Methylene Chloride
Concen: 2.946 ug/l
RT: 2.782 min Scan# 21
Delta R.T. -0.000 min
Lab File: VX045857.D
Acq: 18 Apr 2025 14:56

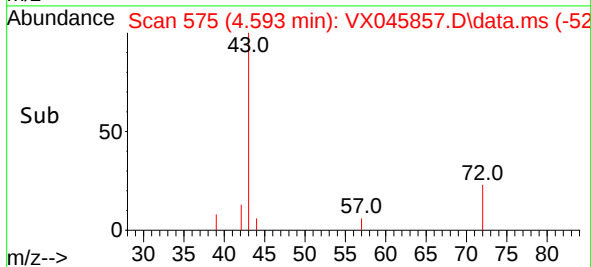
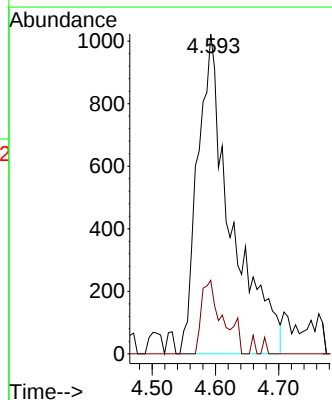
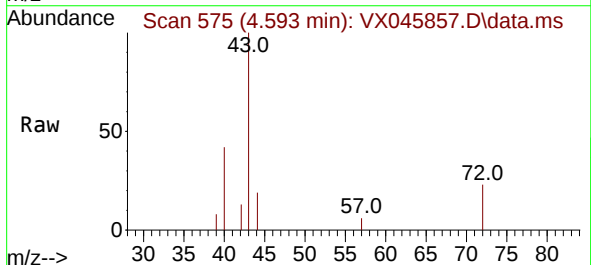
Instrument :
MSVOA_X
ClientSampleId :
PL-714-COMP-02

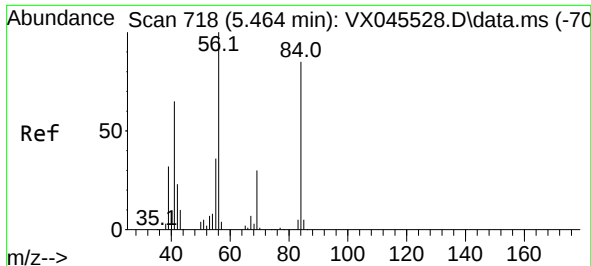
Tgt Ion:	84	Resp:	2813
Ion	Ratio	Lower	Upper
84	100		
49	142.9	107.5	161.3
51	42.1	33.0	49.6
86	71.9	50.1	75.1



#25
2-Butanone
Concen: 5.028 ug/l
RT: 4.593 min Scan# 575
Delta R.T. 0.036 min
Lab File: VX045857.D
Acq: 18 Apr 2025 14:56

Tgt Ion:	43	Resp:	3754
Ion	Ratio	Lower	Upper
43	100		
72	23.0	18.6	28.0

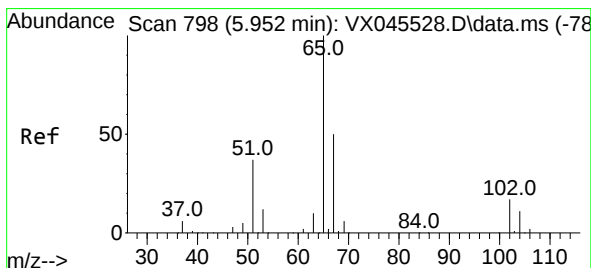
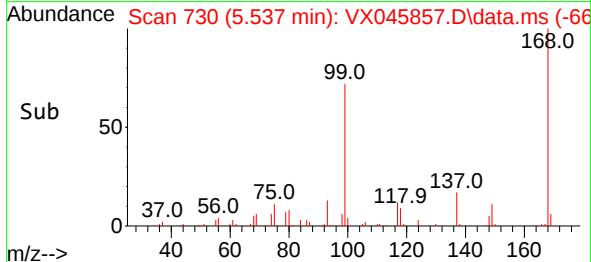
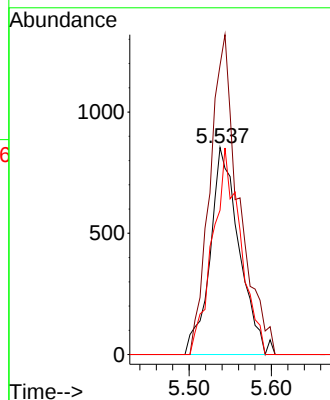
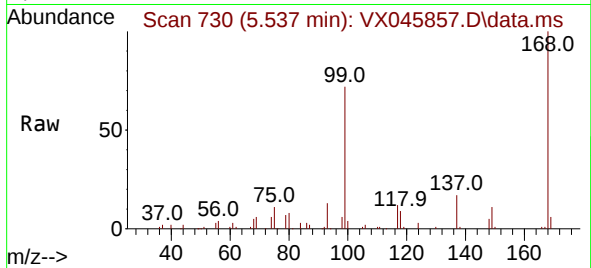




#31
Cyclohexane
Concen: 1.373 ug/l
RT: 5.537 min Scan# 718
Delta R.T. 0.073 min
Lab File: VX045857.D
Acq: 18 Apr 2025 14:56

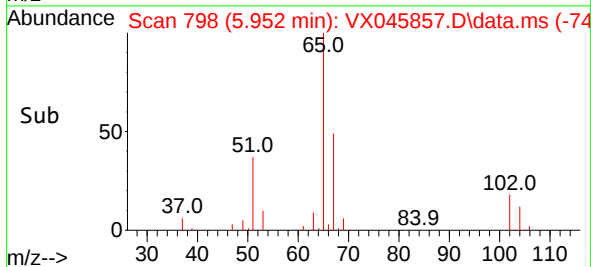
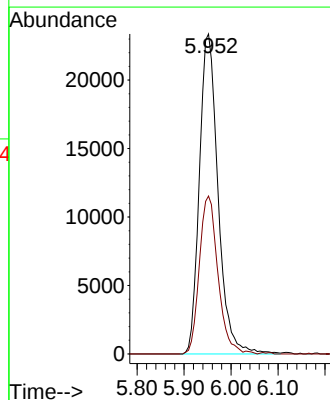
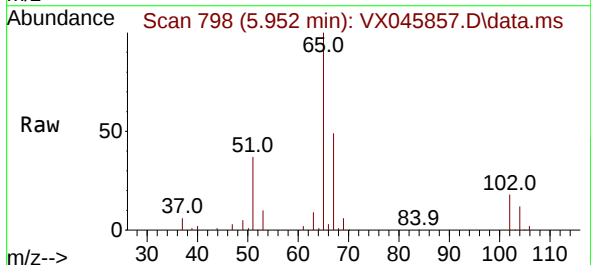
Instrument :
MSVOA_X
ClientSampleId :
PL-714-COMP-02

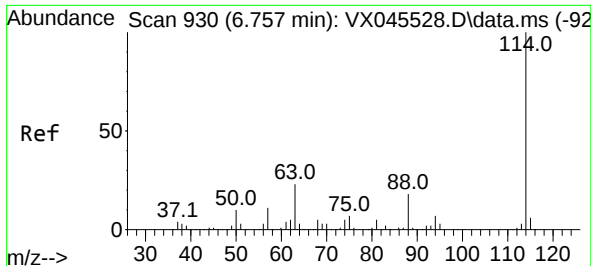
Tgt Ion: 56 Resp: 2092
Ion Ratio Lower Upper
56 100
69 139.7 23.6 35.4#
84 69.7 67.7 101.5



#33
1,2-Dichloroethane-d4
Concen: 51.951 ug/l
RT: 5.952 min Scan# 798
Delta R.T. -0.000 min
Lab File: VX045857.D
Acq: 18 Apr 2025 14:56

Tgt Ion: 65 Resp: 64527
Ion Ratio Lower Upper
65 100
67 49.2 0.0 99.0

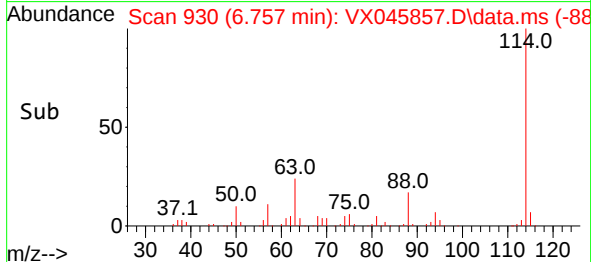
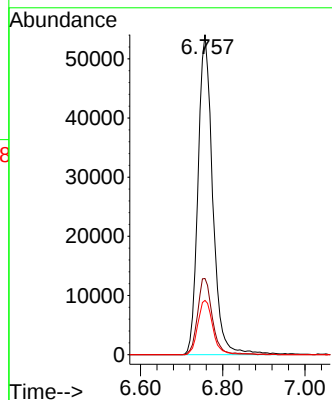
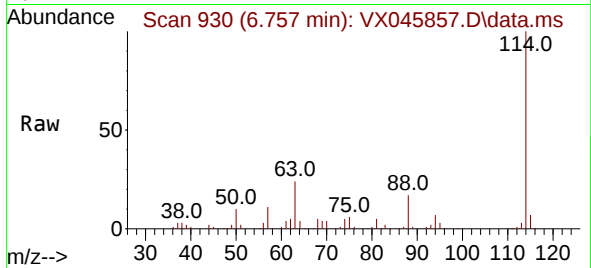




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 91
Delta R.T. -0.000 min
Lab File: VX045857.D
Acq: 18 Apr 2025 14:56

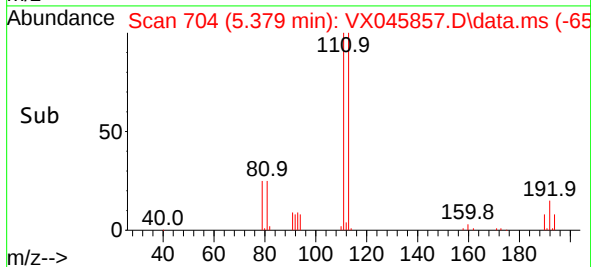
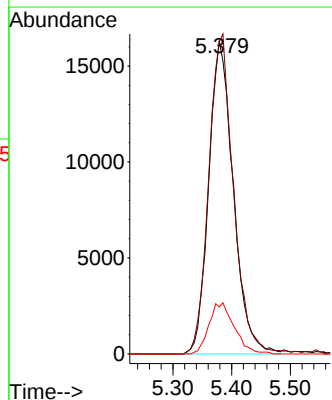
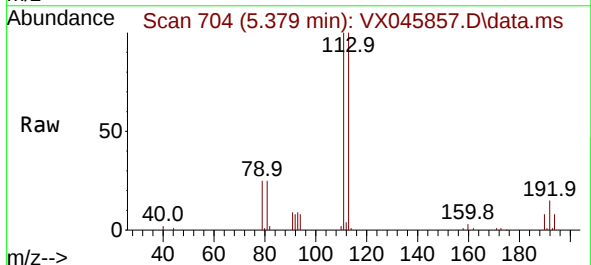
Instrument :
MSVOA_X
ClientSampleId :
PL-714-COMP-02

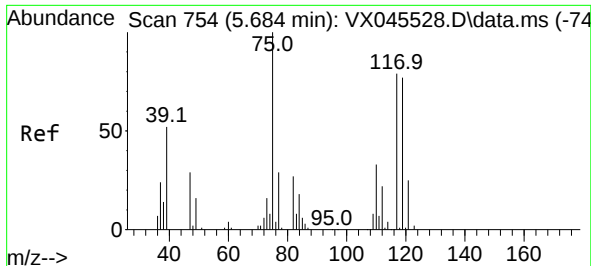
Tgt Ion:114 Resp: 133935
Ion Ratio Lower Upper
114 100
63 23.8 0.0 46.8
88 17.0 0.0 35.4



#35
Dibromofluoromethane
Concen: 49.896 ug/l
RT: 5.379 min Scan# 704
Delta R.T. -0.000 min
Lab File: VX045857.D
Acq: 18 Apr 2025 14:56

Tgt Ion:113 Resp: 47415
Ion Ratio Lower Upper
113 100
111 102.9 81.8 122.6
192 16.9 13.8 20.6





#36

1,1-Dichloropropene

Concen: 5.406 ug/l

RT: 5.550 min Scan# 71

Delta R.T. -0.134 min

Lab File: VX045857.D

Acq: 18 Apr 2025 14:56

Instrument :

MSVOA_X

ClientSampleId :

PL-714-COMP-02

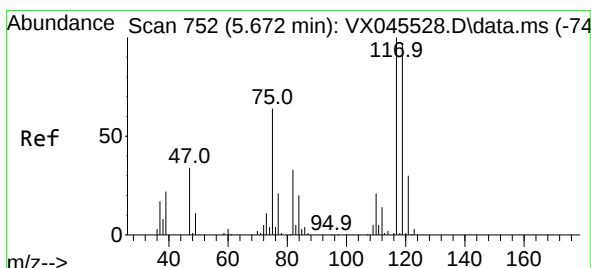
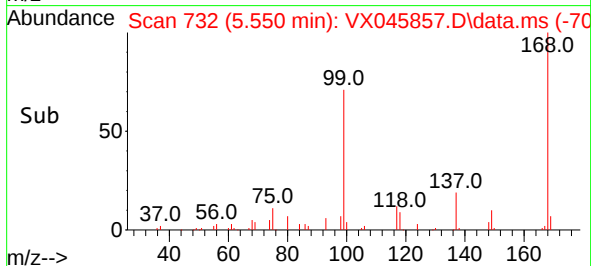
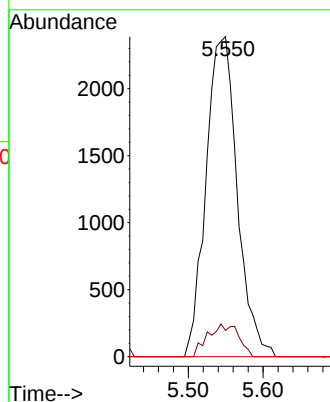
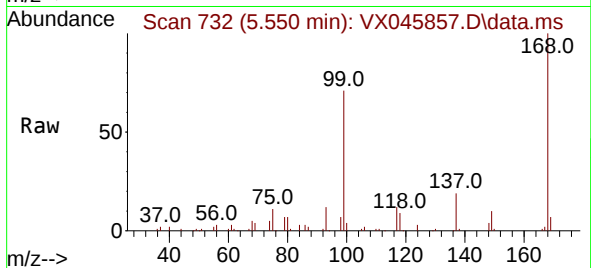
Tgt Ion: 75 Resp: 6936

Ion Ratio Lower Upper

75 100

110 10.0 16.9 50.6#

77 0.0 25.0 37.4#



#38

Carbon Tetrachloride

Concen: 5.869 ug/l

RT: 5.544 min Scan# 731

Delta R.T. -0.128 min

Lab File: VX045857.D

Acq: 18 Apr 2025 14:56

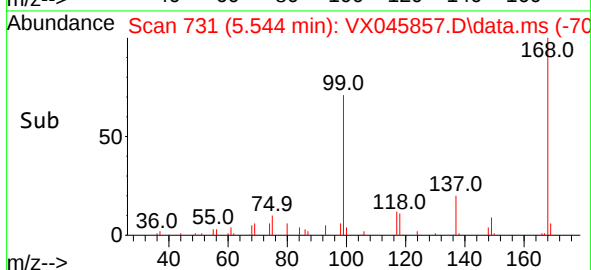
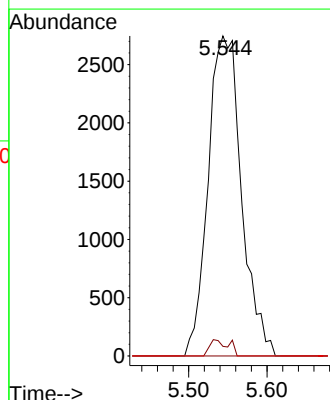
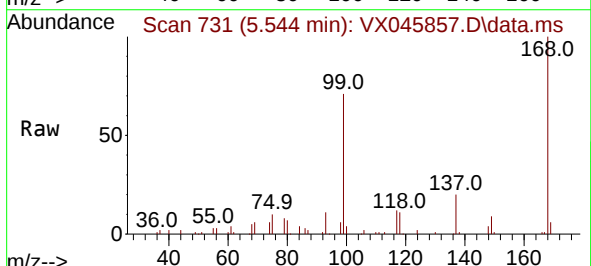
Tgt Ion: 117 Resp: 8139

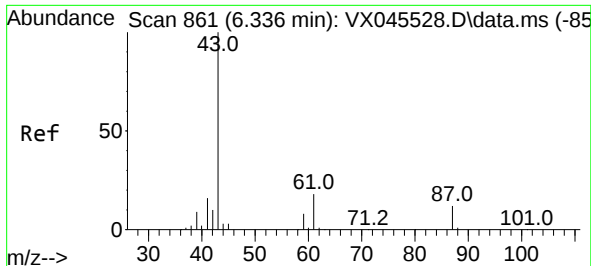
Ion Ratio Lower Upper

117 100

119 3.0 76.9 115.3#

121 0.0 24.2 36.2#

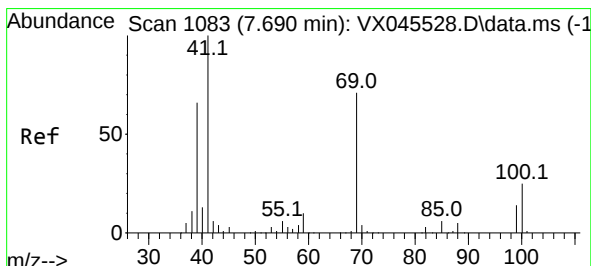
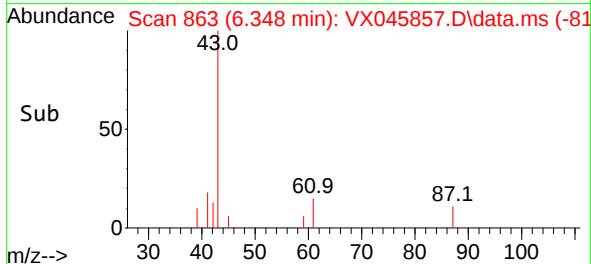
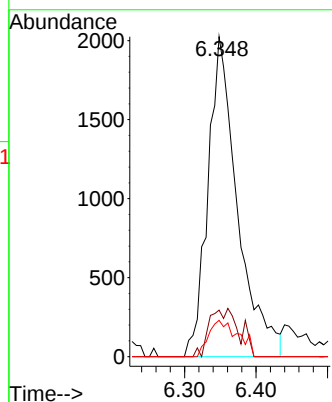
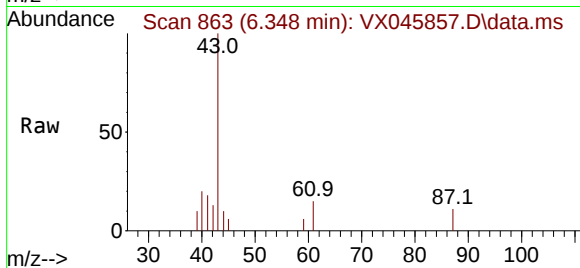




#43
Isopropyl Acetate
Concen: 2.378 ug/l
RT: 6.348 min Scan# 863
Delta R.T. 0.012 min
Lab File: VX045857.D
Acq: 18 Apr 2025 14:56

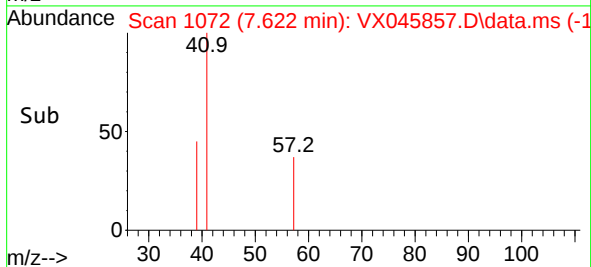
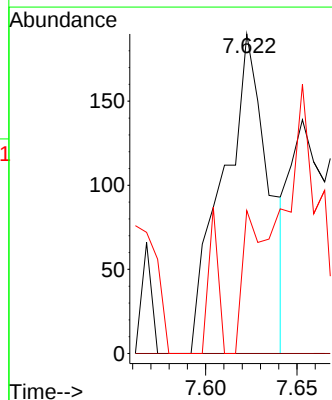
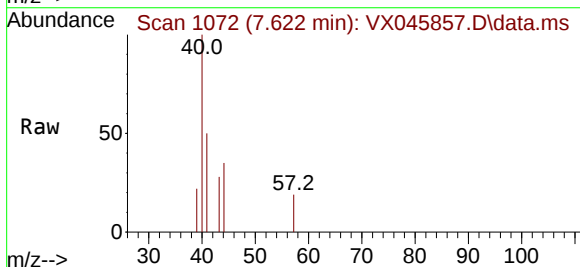
Instrument :
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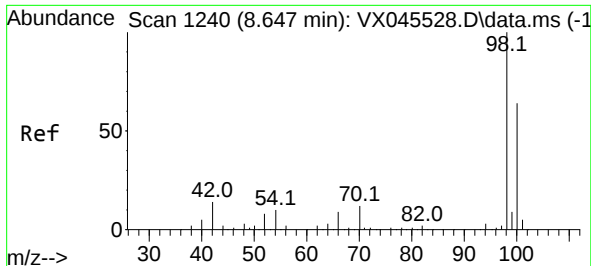
Tgt Ion: 43 Resp: 5827
Ion Ratio Lower Upper
43 100
61 13.1 14.1 21.1#
87 11.3 9.2 13.8



#48
Methyl methacrylate
Concen: 0.261 ug/l
RT: 7.622 min Scan# 1072
Delta R.T. -0.067 min
Lab File: VX045857.D
Acq: 18 Apr 2025 14:56

Tgt Ion: 41 Resp: 330
Ion Ratio Lower Upper
41 100
69 0.0 58.2 87.2#
39 0.0 53.6 80.4#

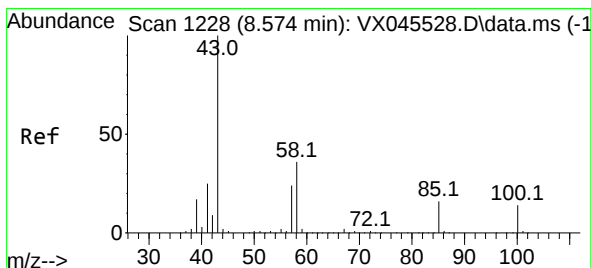
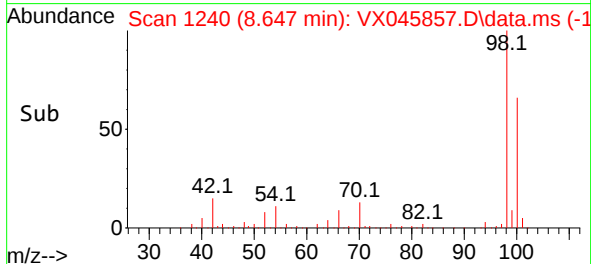
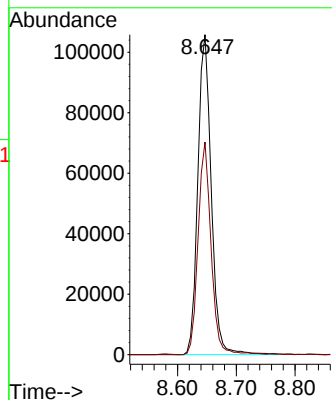
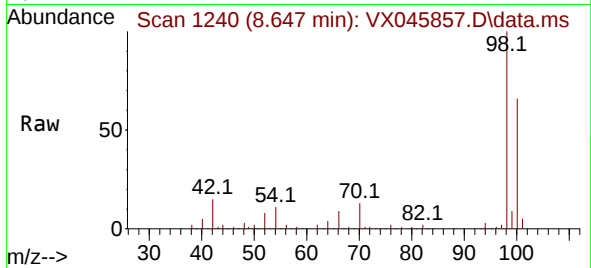




#50
Toluene-d8
Concen: 50.637 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX045857.D
Acq: 18 Apr 2025 14:56

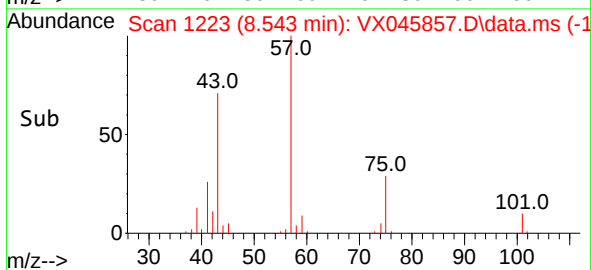
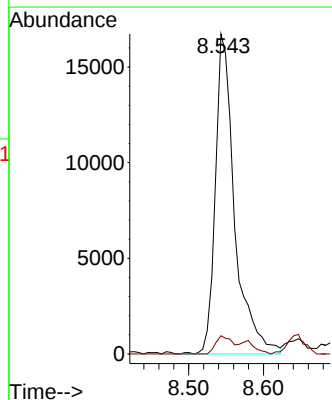
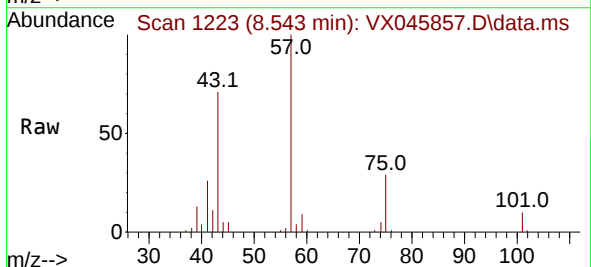
Instrument :
MSVOA_X
ClientSampleId :
PL-714-COMP-02

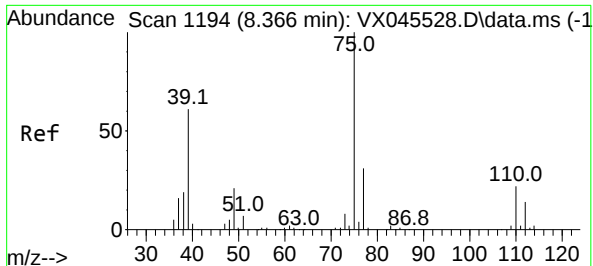
Tgt Ion: 98 Resp: 167955
Ion Ratio Lower Upper
98 100
100 64.2 52.2 78.4



#51
4-Methyl-2-Pentanone
Concen: 18.493 ug/l
RT: 8.543 min Scan# 1223
Delta R.T. -0.031 min
Lab File: VX045857.D
Acq: 18 Apr 2025 14:56

Tgt Ion: 43 Resp: 30043
Ion Ratio Lower Upper
43 100
58 5.3 28.5 42.7#

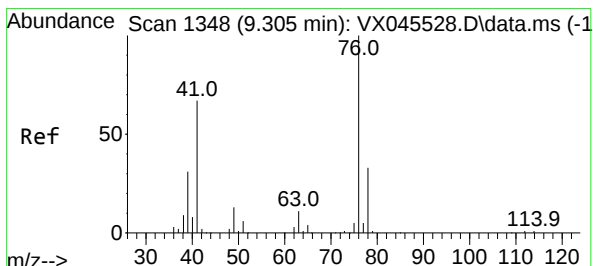
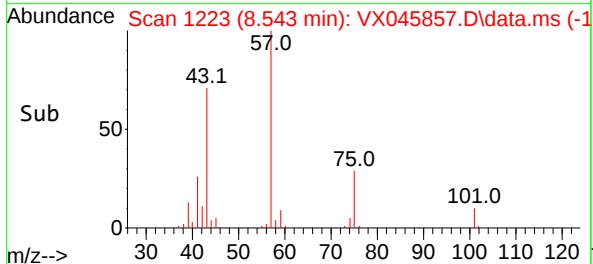
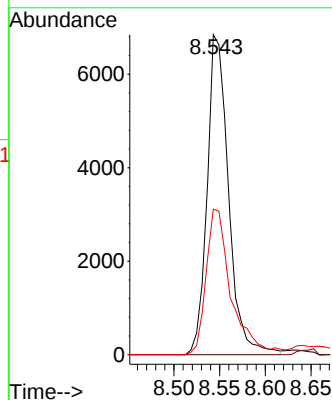
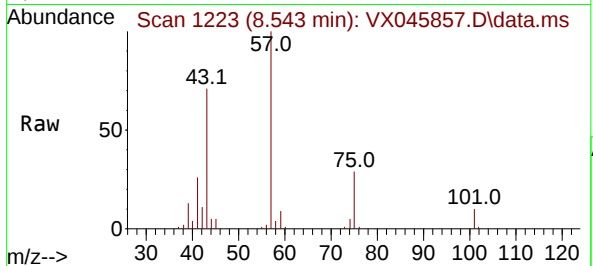




#54
 cis-1,3-Dichloropropene
 Concen: 7.903 ug/l
 RT: 8.543 min Scan# 11131
 Delta R.T. 0.177 min
 Lab File: VX045857.D
 Acq: 18 Apr 2025 14:56

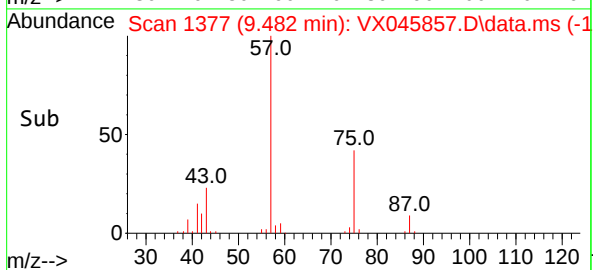
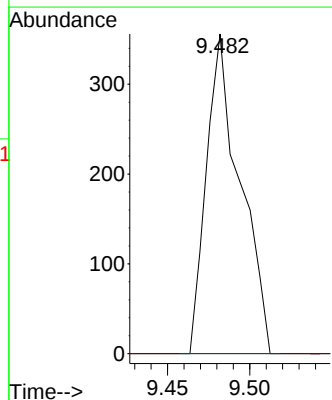
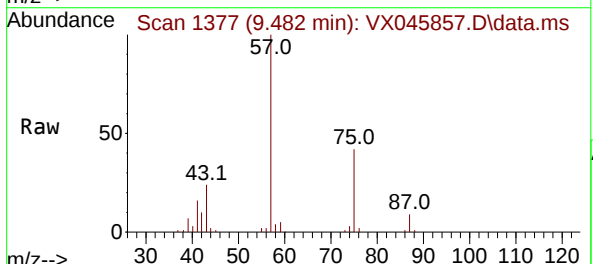
Instrument :
 MSVOA_X
 ClientSampleId :
 PL-714-COMP-02

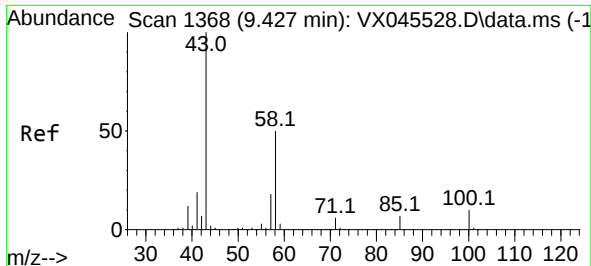
Tgt Ion: 75 Resp: 11131
 Ion Ratio Lower Upper
 75 100
 77 0.0 24.6 36.8#
 39 45.4 48.4 72.6#



#57
 1,3-Dichloropropane
 Concen: 0.308 ug/l
 RT: 9.482 min Scan# 1377
 Delta R.T. 0.177 min
 Lab File: VX045857.D
 Acq: 18 Apr 2025 14:56

Tgt Ion: 76 Resp: 507
 Ion Ratio Lower Upper
 76 100
 78 0.0 26.0 39.0#





#59

2-Hexanone

Concen: 9.861 ug/l

RT: 9.378 min Scan# 11

Delta R.T. -0.049 min

Lab File: VX045857.D

Acq: 18 Apr 2025 14:56

Instrument :

MSVOA_X

ClientSampleId :

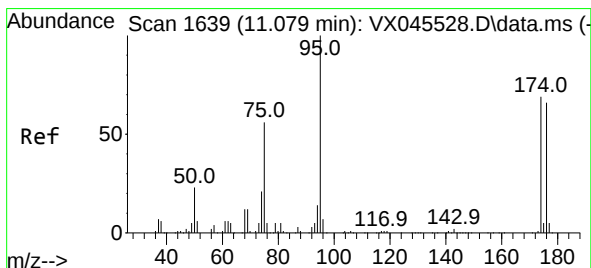
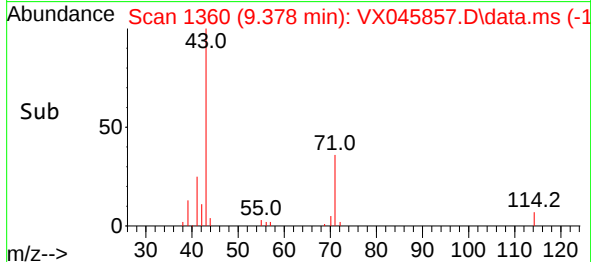
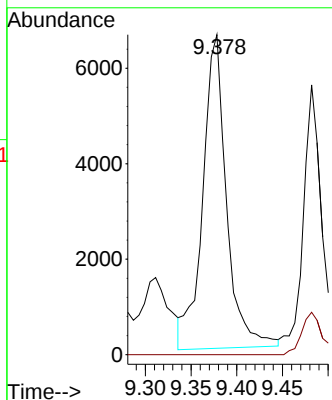
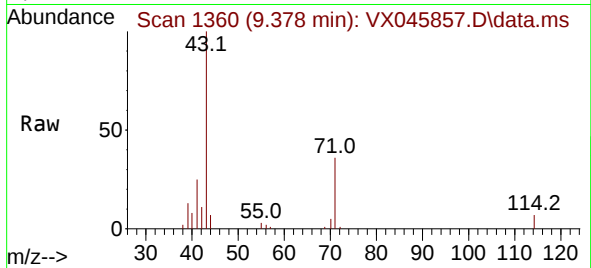
PL-714-COMP-02

Tgt Ion: 43 Resp: 11863

Ion Ratio Lower Upper

43 100

58 0.0 24.9 74.6#



#62

4-Bromofluorobenzene

Concen: 52.603 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.000 min

Lab File: VX045857.D

Acq: 18 Apr 2025 14:56

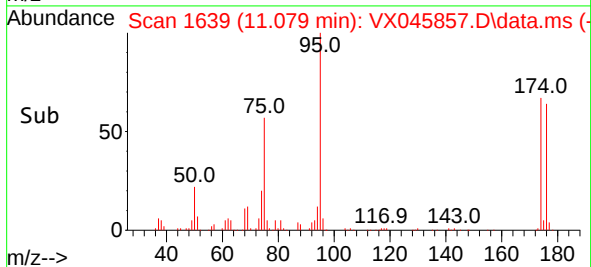
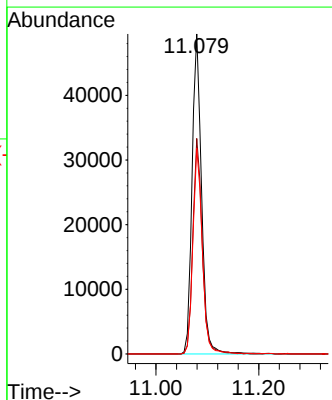
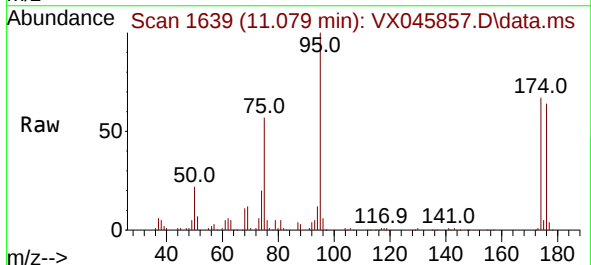
Tgt Ion: 95 Resp: 63552

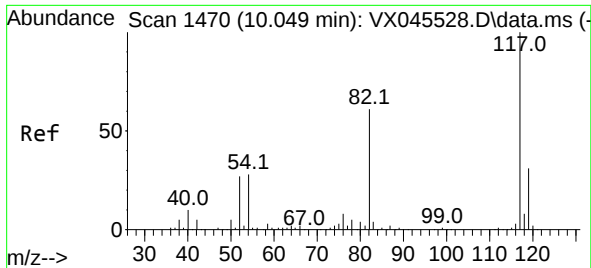
Ion Ratio Lower Upper

95 100

174 66.6 0.0 135.8

176 63.8 0.0 131.4

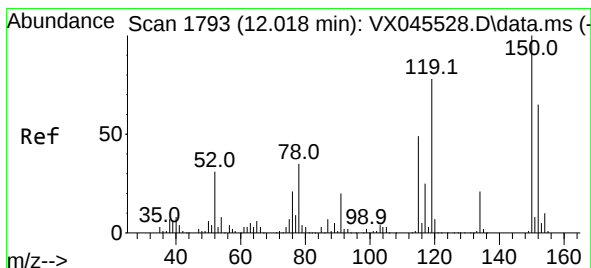
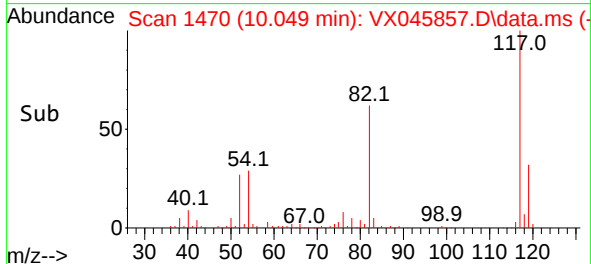
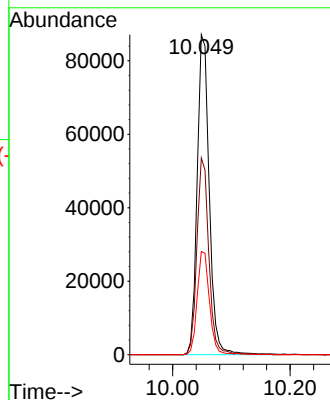
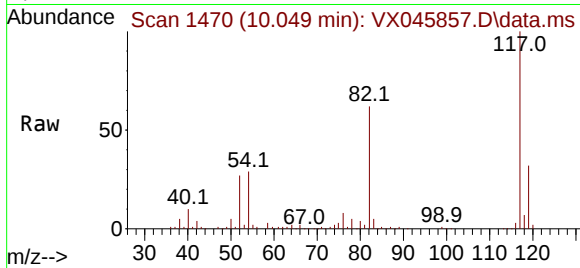




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 1470
Delta R.T. -0.000 min
Lab File: VX045857.D
Acq: 18 Apr 2025 14:56

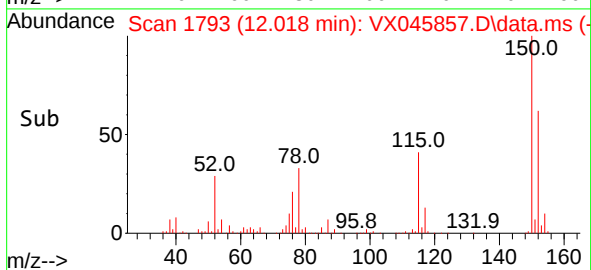
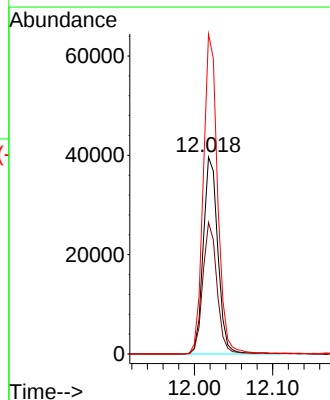
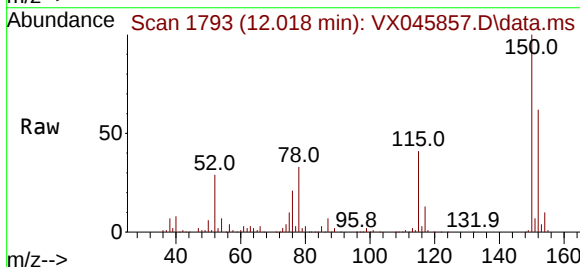
Instrument :
MSVOA_X
ClientSampleId :
PL-714-COMP-02

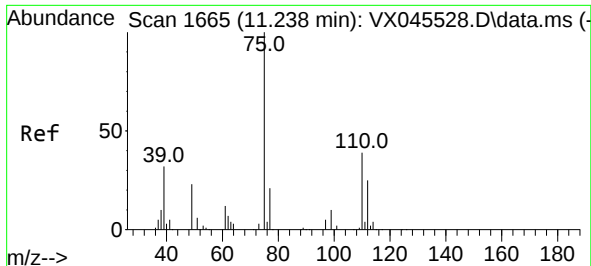
Tgt Ion:117 Resp: 124149
Ion Ratio Lower Upper
117 100
82 61.5 49.2 73.8
119 32.2 25.1 37.7



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VX045857.D
Acq: 18 Apr 2025 14:56

Tgt Ion:152 Resp: 51371
Ion Ratio Lower Upper
152 100
115 64.7 46.9 140.7
150 159.8 0.0 349.4

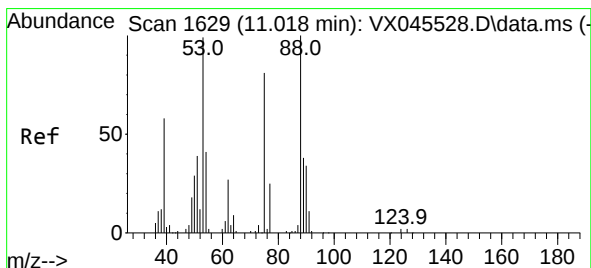
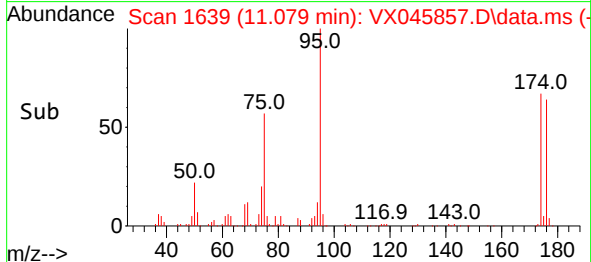
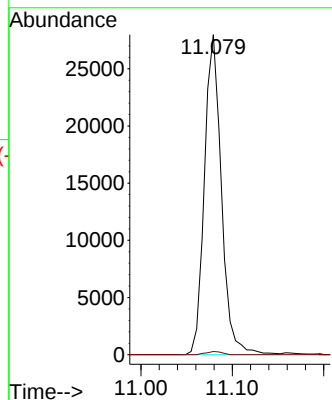
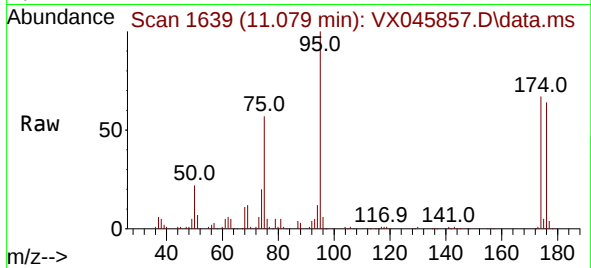




#76
1,2,3-Trichloropropane
Concen: 28.768 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX045857.D
Acq: 18 Apr 2025 14:56

Instrument :
MSVOA_X
ClientSampleId :
PL-714-COMP-02

Tgt Ion: 75 Resp: 36048
Ion Ratio Lower Upper
75 100
77 0.9 20.0 59.9#



#81
trans-1,4-Dichloro-2-butene
Concen: 97.635 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX045857.D
Acq: 18 Apr 2025 14:56

Tgt Ion: 75 Resp: 36048
Ion Ratio Lower Upper
75 100
53 0.0 101.8 152.6#
89 0.0 37.2 55.8#

