

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX041825\
 Data File : VX045860.D
 Acq On : 18 Apr 2025 16:05
 Operator : JC/MD
 Sample : Q1832-30
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PL-714-COMP-05

Quant Time: Apr 18 23:42:04 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)

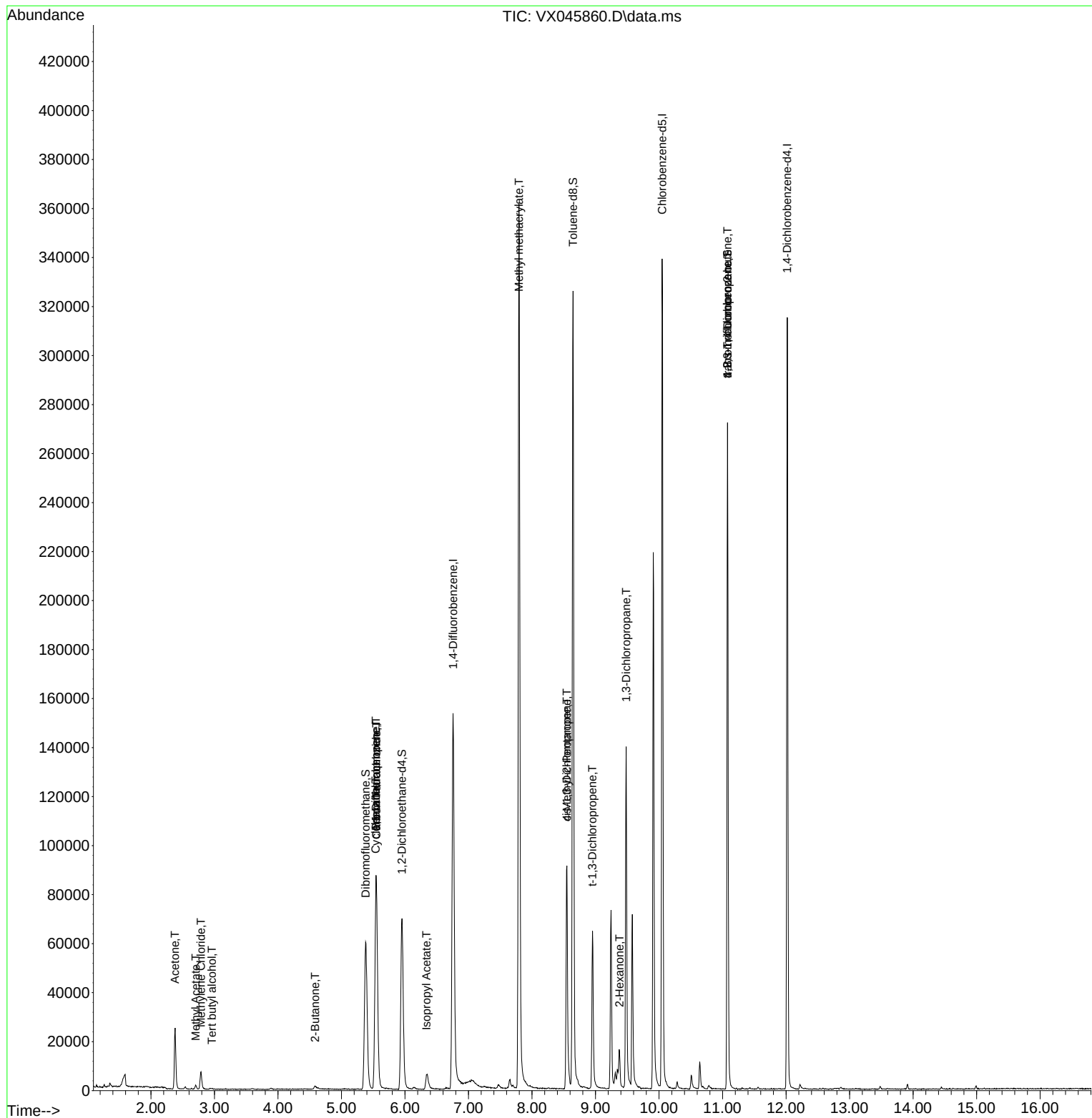
Internal Standards						
1) Pentafluorobenzene	5.544	168	74763	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	146494	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	140270	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	58479	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	72655	53.141	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 106.280%			
35) Dibromofluoromethane	5.379	113	51696	49.738	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 99.480%			
50) Toluene-d8	8.647	98	184851	50.954	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 101.900%			
62) 4-Bromofluorobenzene	11.079	95	71142	53.837	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 107.680%			
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	2.959	59	410	2.231	ug/l #	72
16) Acetone	2.379	43	26745	47.638	ug/l	98
18) Methyl Acetate	2.703	43	1971	1.525	ug/l	94
20) Methylene Chloride	2.788	84	3237	3.080	ug/l #	94
25) 2-Butanone	4.586	43	2948	3.587	ug/l #	76
31) Cyclohexane	5.537	56	2177	1.298	ug/l #	38
36) 1,1-Dichloropropene	5.544	75	7333	5.225	ug/l #	48
38) Carbon Tetrachloride	5.550	117	8954	5.904	ug/l #	16
43) Isopropyl Acetate	6.336	43	10701	3.992	ug/l #	64
48) Methyl methacrylate	7.793	41	35915	25.951	ug/l #	50
51) 4-Methyl-2-Pentanone	8.549	43	36821	20.722	ug/l #	52
53) t-1,3-Dichloropropene	8.951	75	86	2.341	ug/l #	43
54) cis-1,3-Dichloropropene	8.549	75	13752	8.926	ug/l #	64
57) 1,3-Dichloropropane	9.482	76	1164	0.647	ug/l #	42
59) 2-Hexanone	9.378	43	12979	9.864	ug/l #	28
76) 1,2,3-Trichloropropane	11.079	75	41530	29.114	ug/l #	37
81) trans-1,4-Dichloro-2-b...	11.079	75	41530	98.811	ug/l #	1

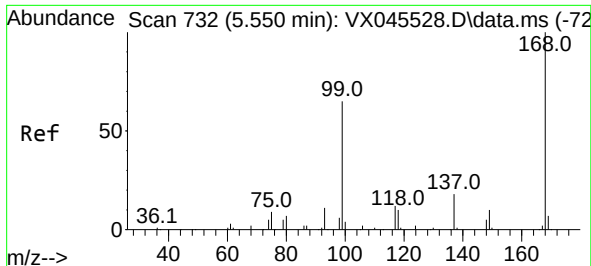
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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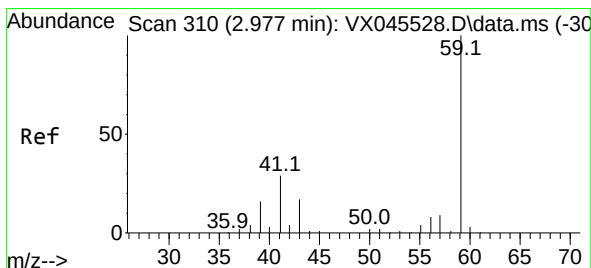
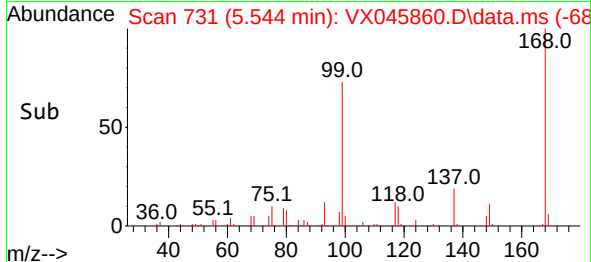
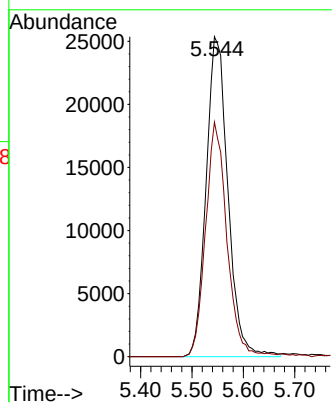
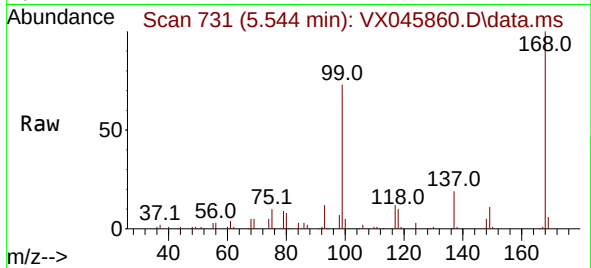




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX045860.D
Acq: 18 Apr 2025 16:05

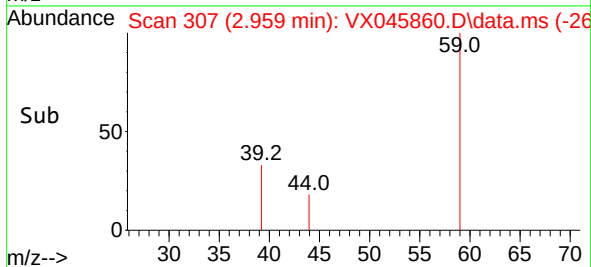
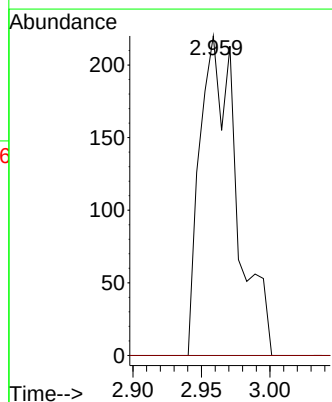
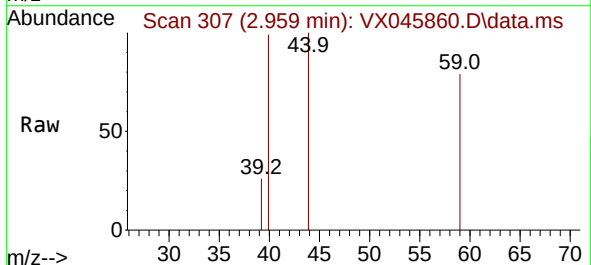
Instrument :
MSVOA_X
ClientSampleId :
PL-714-COMP-05

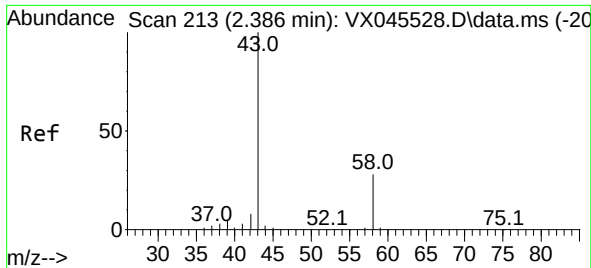
Tgt Ion:168 Resp: 74763
Ion Ratio Lower Upper
168 100
99 73.3 52.3 78.5



#11
Tert butyl alcohol
Concen: 2.231 ug/l
RT: 2.959 min Scan# 307
Delta R.T. -0.018 min
Lab File: VX045860.D
Acq: 18 Apr 2025 16:05

Tgt Ion: 59 Resp: 410
Ion Ratio Lower Upper
59 100
57 0.0 8.6 12.8#

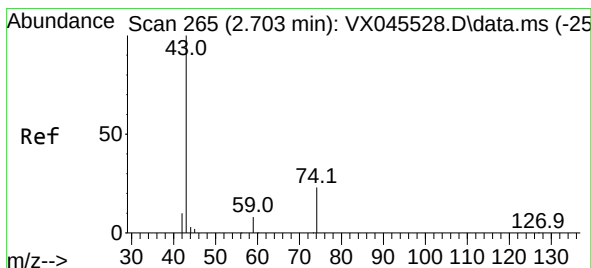
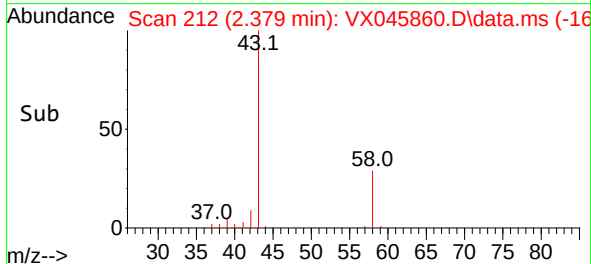
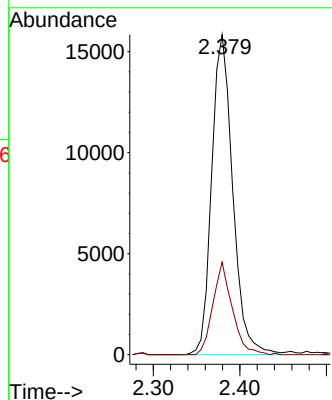
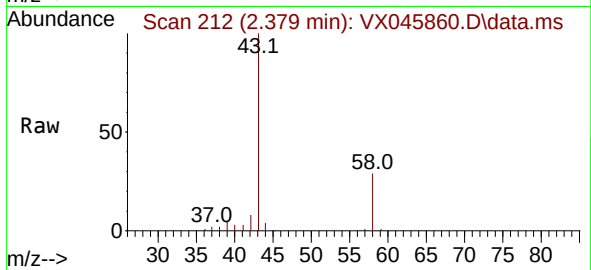




#16
Acetone
Concen: 47.638 ug/l
RT: 2.379 min Scan# 213
Delta R.T. -0.006 min
Lab File: VX045860.D
Acq: 18 Apr 2025 16:05

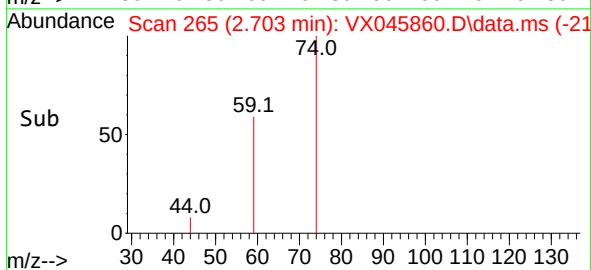
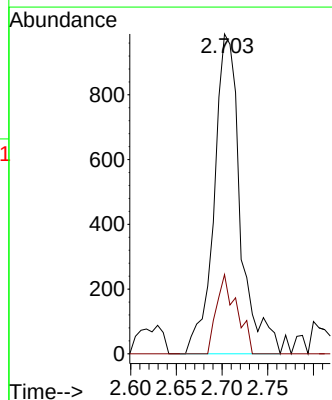
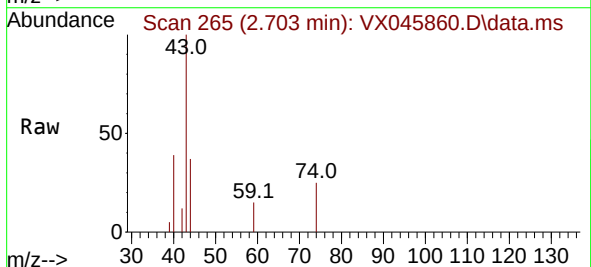
Instrument :
MSVOA_X
ClientSampleId :
PL-714-COMP-05

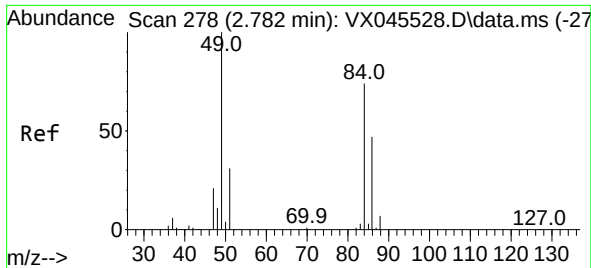
Tgt Ion: 43 Resp: 26745
Ion Ratio Lower Upper
43 100
58 28.9 22.3 33.5



#18
Methyl Acetate
Concen: 1.525 ug/l
RT: 2.703 min Scan# 265
Delta R.T. -0.000 min
Lab File: VX045860.D
Acq: 18 Apr 2025 16:05

Tgt Ion: 43 Resp: 1971
Ion Ratio Lower Upper
43 100
74 19.1 17.5 26.3

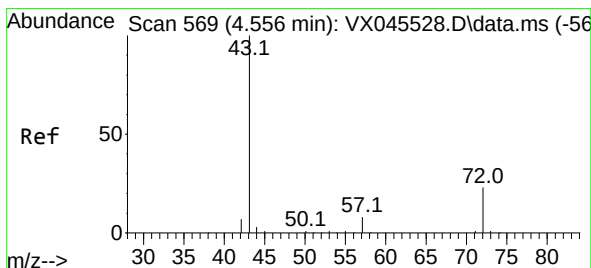
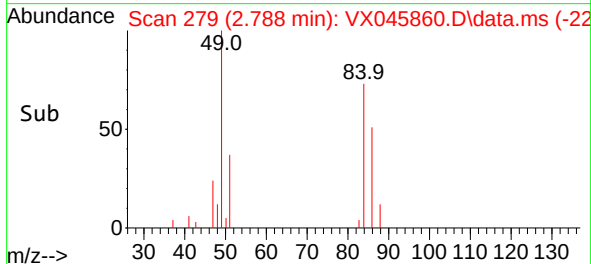
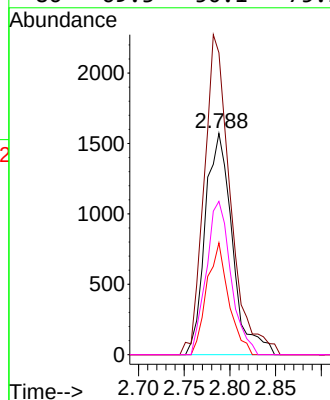
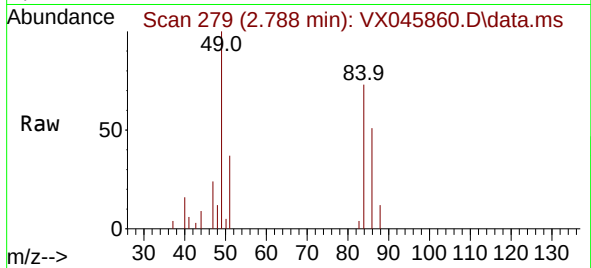




#20
Methylene Chloride
Concen: 3.080 ug/l
RT: 2.788 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX045860.D
Acq: 18 Apr 2025 16:05

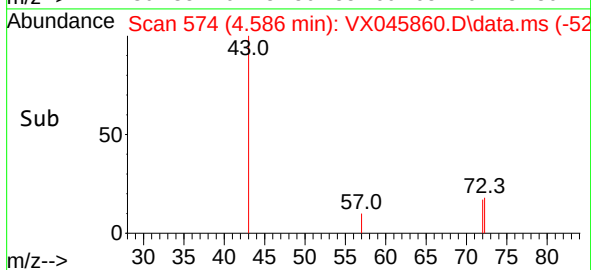
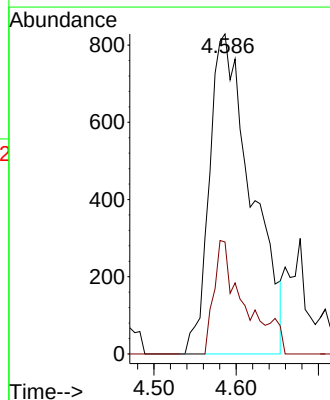
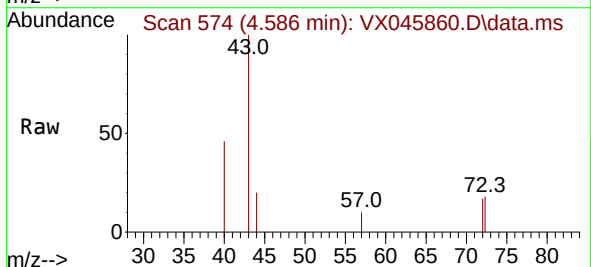
Instrument :
MSVOA_X
ClientSampleId :
PL-714-COMP-05

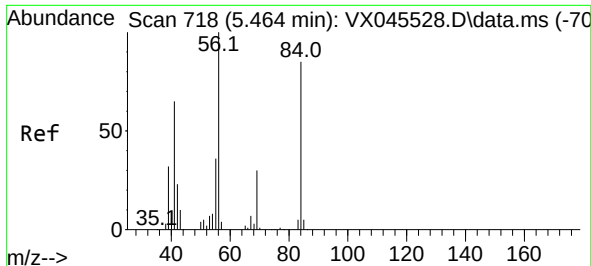
Tgt Ion:	84	Resp:	3237
Ion	Ratio	Lower	Upper
84	100		
49	136.5	107.5	161.3
51	50.6	33.0	49.6#
86	69.3	50.1	75.1



#25
2-Butanone
Concen: 3.587 ug/l
RT: 4.586 min Scan# 574
Delta R.T. 0.030 min
Lab File: VX045860.D
Acq: 18 Apr 2025 16:05

Tgt Ion:	43	Resp:	2948
Ion	Ratio	Lower	Upper
43	100		
72	35.0	18.6	28.0#

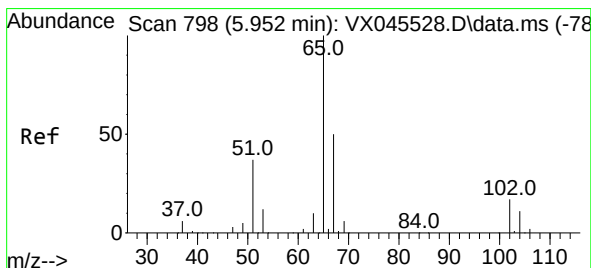
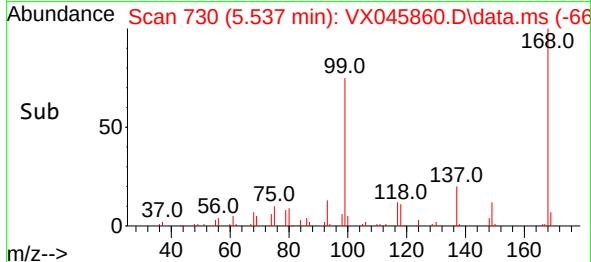
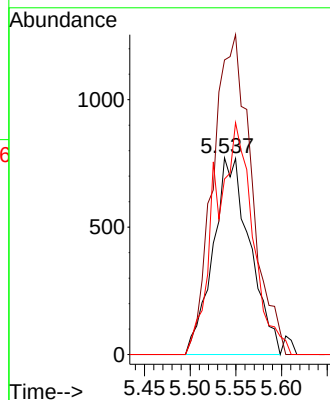
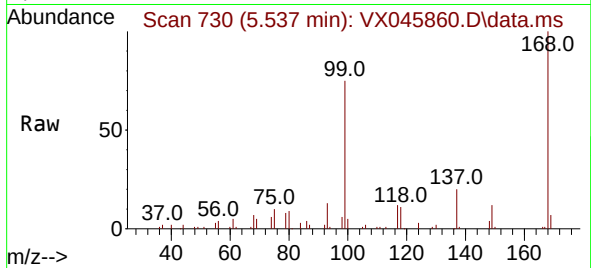




#31
Cyclohexane
Concen: 1.298 ug/l
RT: 5.537 min Scan# 718
Delta R.T. 0.073 min
Lab File: VX045860.D
Acq: 18 Apr 2025 16:05

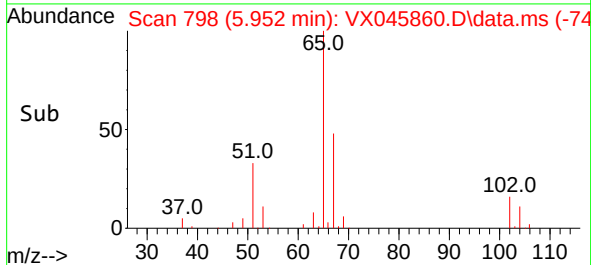
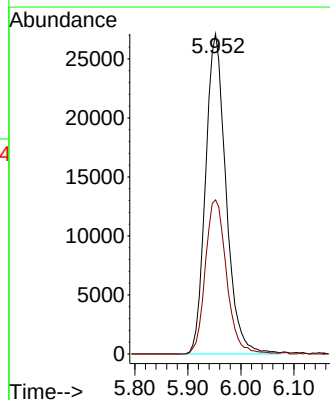
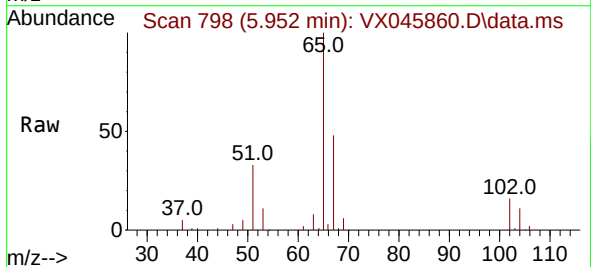
Instrument :
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ClientSampleId :
PL-714-COMP-05

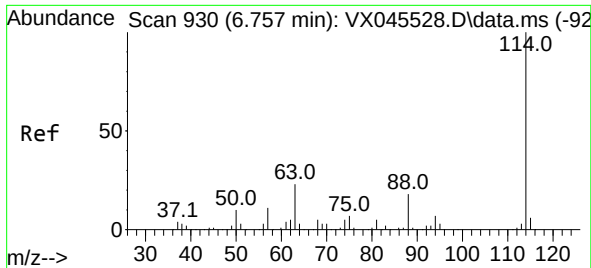
Tgt Ion: 56 Resp: 2177
Ion Ratio Lower Upper
56 100
69 149.7 23.6 35.4#
84 89.2 67.7 101.5



#33
1,2-Dichloroethane-d4
Concen: 53.141 ug/l
RT: 5.952 min Scan# 798
Delta R.T. -0.000 min
Lab File: VX045860.D
Acq: 18 Apr 2025 16:05

Tgt Ion: 65 Resp: 72655
Ion Ratio Lower Upper
65 100
67 49.9 0.0 99.0

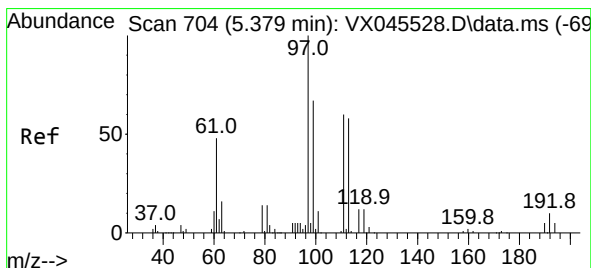
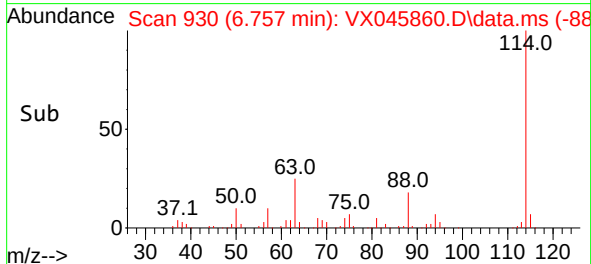
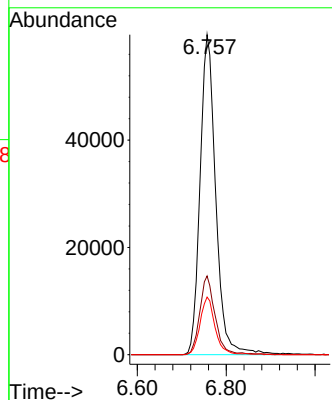
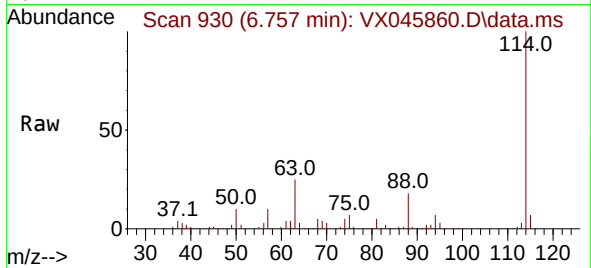




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 91
Delta R.T. -0.000 min
Lab File: VX045860.D
Acq: 18 Apr 2025 16:05

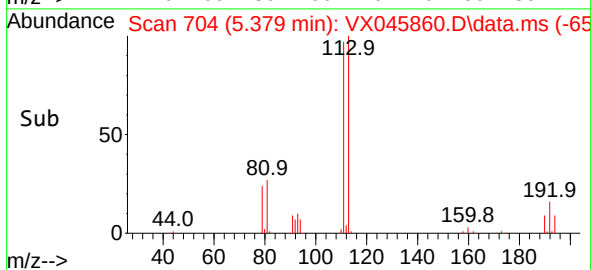
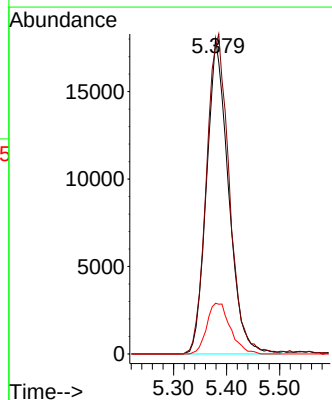
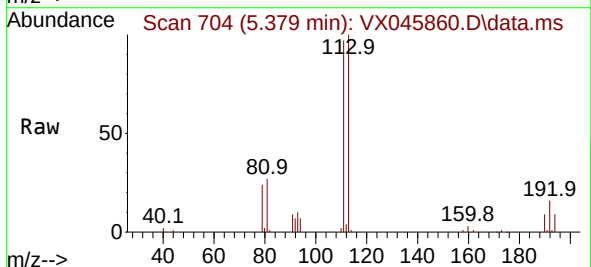
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MSVOA_X
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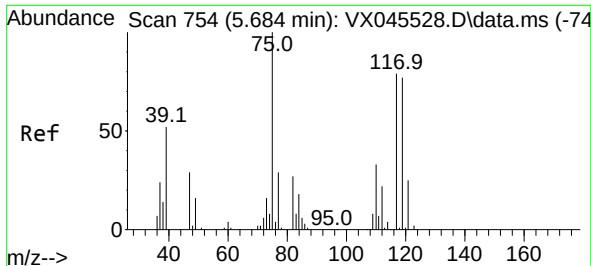
Tgt Ion:114 Resp: 146494
Ion Ratio Lower Upper
114 100
63 24.6 0.0 46.8
88 18.0 0.0 35.4



#35
Dibromofluoromethane
Concen: 49.738 ug/l
RT: 5.379 min Scan# 704
Delta R.T. -0.000 min
Lab File: VX045860.D
Acq: 18 Apr 2025 16:05

Tgt Ion:113 Resp: 51696
Ion Ratio Lower Upper
113 100
111 105.9 81.8 122.6
192 17.3 13.8 20.6

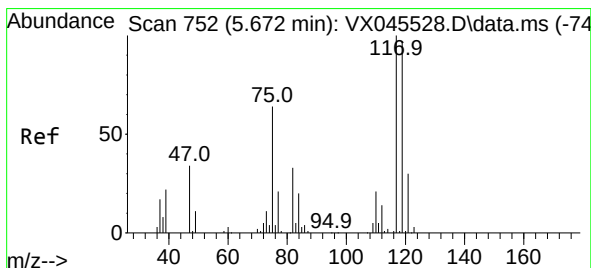
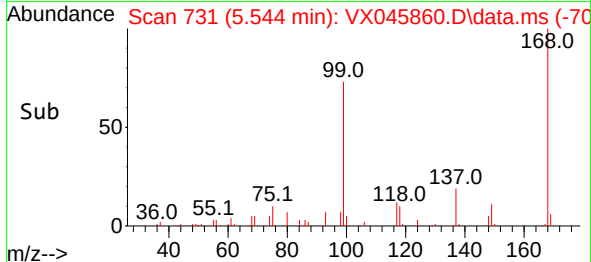
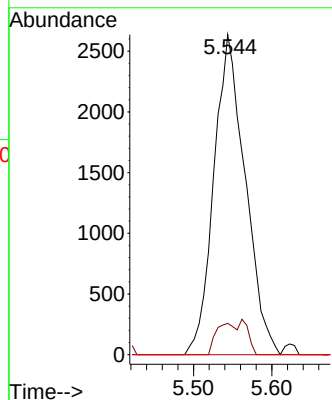
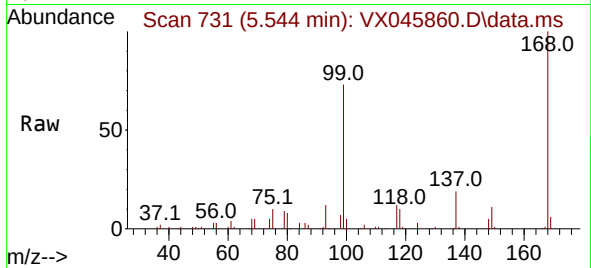




#36
1,1-Dichloropropene
Concen: 5.225 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.140 min
Lab File: VX045860.D
Acq: 18 Apr 2025 16:05

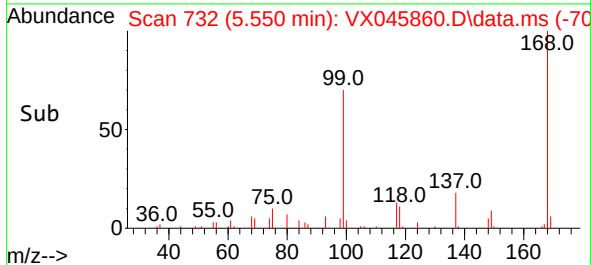
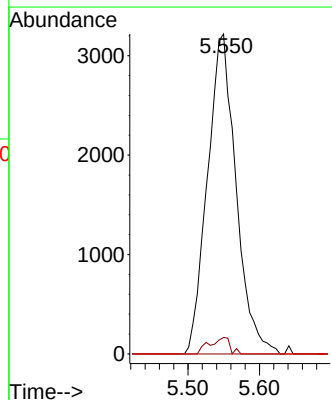
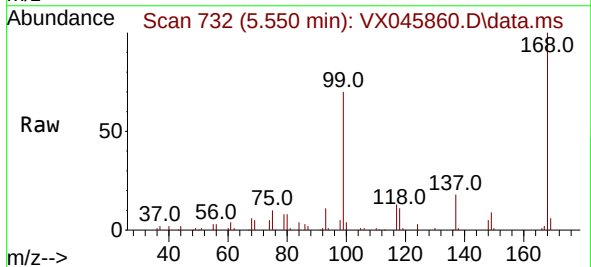
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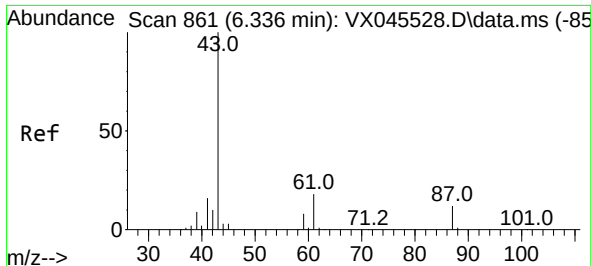
Tgt Ion: 75 Resp: 7333
Ion Ratio Lower Upper
75 100
110 6.5 16.9 50.6#
77 0.0 25.0 37.4#



#38
Carbon Tetrachloride
Concen: 5.904 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.122 min
Lab File: VX045860.D
Acq: 18 Apr 2025 16:05

Tgt Ion: 117 Resp: 8954
Ion Ratio Lower Upper
117 100
119 5.1 76.9 115.3#
121 0.0 24.2 36.2#

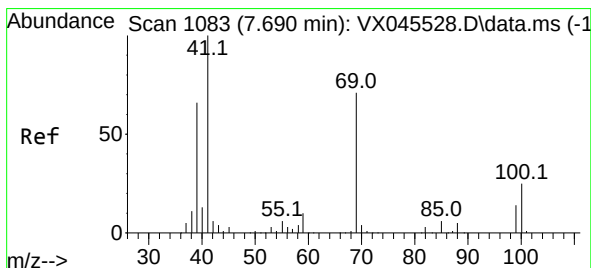
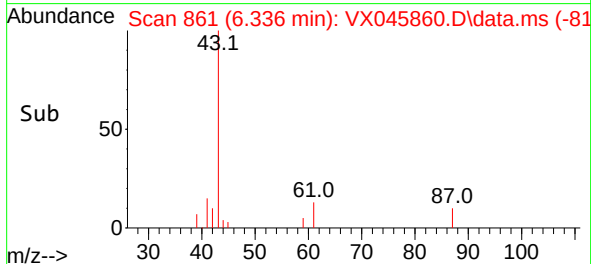
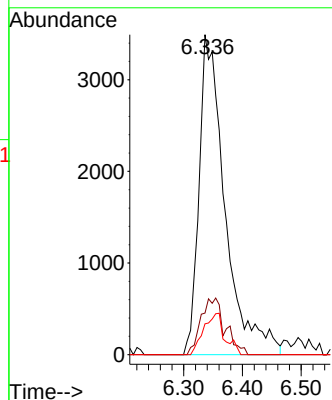
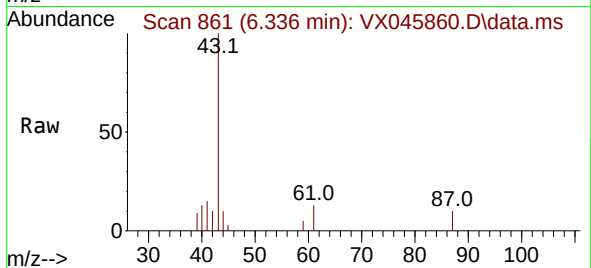




#43
Isopropyl Acetate
Concen: 3.992 ug/l
RT: 6.336 min Scan# 80
Delta R.T. -0.000 min
Lab File: VX045860.D
Acq: 18 Apr 2025 16:05

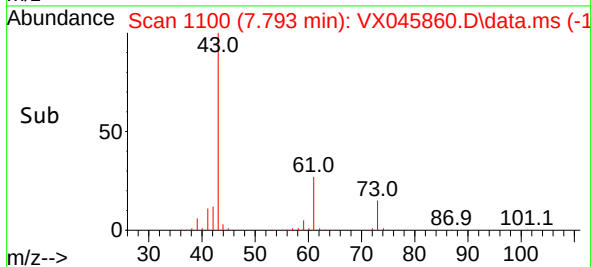
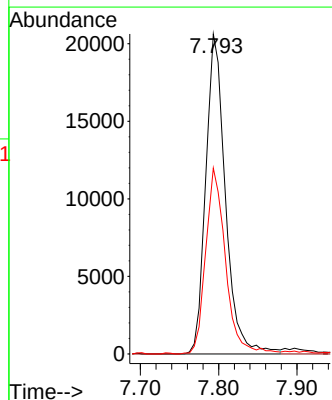
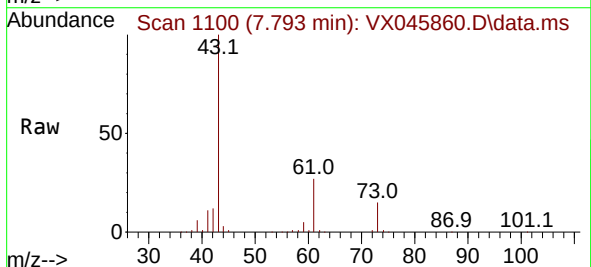
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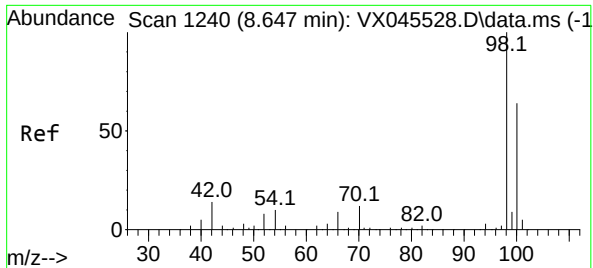
Tgt Ion: 43 Resp: 10701
Ion Ratio Lower Upper
43 100
61 0.0 14.1 21.1#
87 0.0 9.2 13.8#



#48
Methyl methacrylate
Concen: 25.951 ug/l
RT: 7.793 min Scan# 1100
Delta R.T. 0.104 min
Lab File: VX045860.D
Acq: 18 Apr 2025 16:05

Tgt Ion: 41 Resp: 35915
Ion Ratio Lower Upper
41 100
69 0.0 58.2 87.2#
39 58.8 53.6 80.4

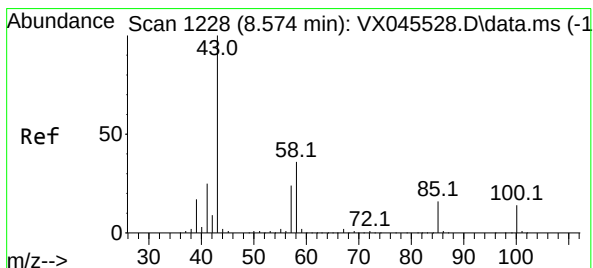
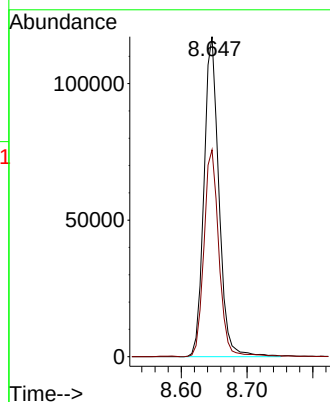
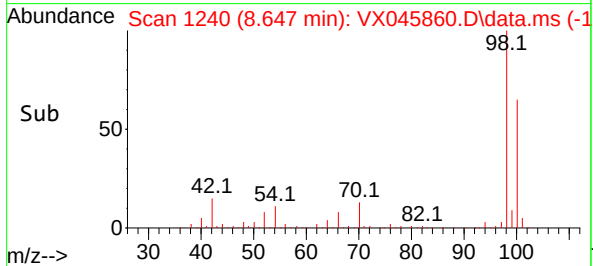
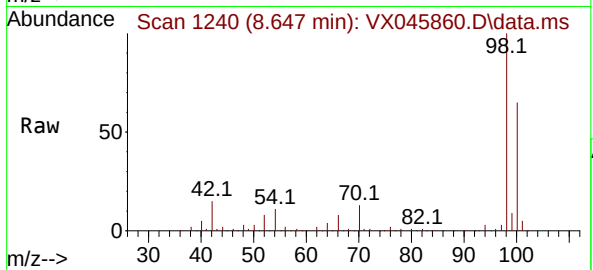




#50
Toluene-d8
Concen: 50.954 ug/l
RT: 8.647 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX045860.D
Acq: 18 Apr 2025 16:05

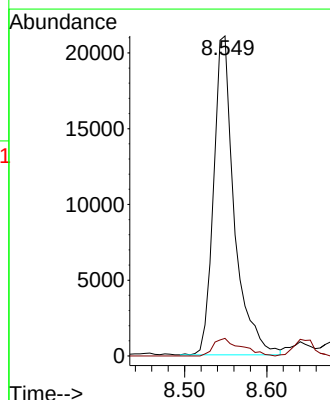
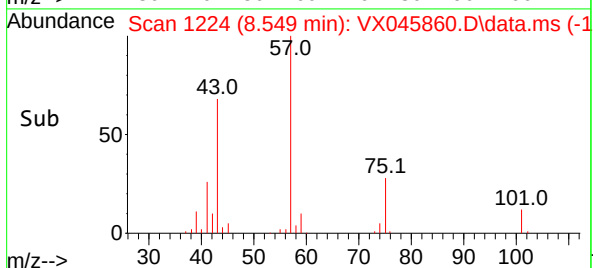
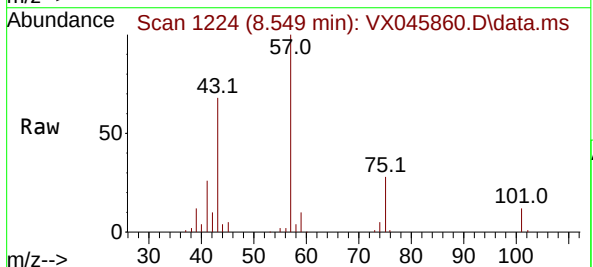
Instrument :
MSVOA_X
ClientSampleId :
PL-714-COMP-05

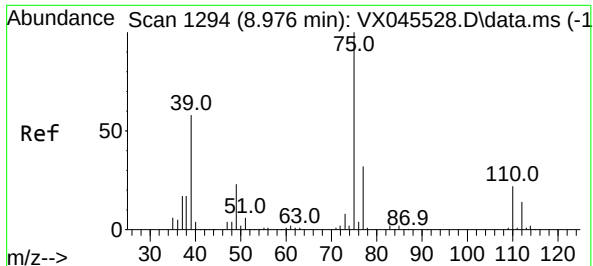
Tgt Ion: 98 Resp: 184851
Ion Ratio Lower Upper
98 100
100 65.2 52.2 78.4



#51
4-Methyl-2-Pentanone
Concen: 20.722 ug/l
RT: 8.549 min Scan# 1224
Delta R.T. -0.025 min
Lab File: VX045860.D
Acq: 18 Apr 2025 16:05

Tgt Ion: 43 Resp: 36821
Ion Ratio Lower Upper
43 100
58 7.4 28.5 42.7#





#53

t-1,3-Dichloropropene

Concen: 2.341 ug/l

RT: 8.951 min Scan# 11

Delta R.T. -0.025 min

Lab File: VX045860.D

Acq: 18 Apr 2025 16:05

Instrument :

MSVOA_X

ClientSampleId :

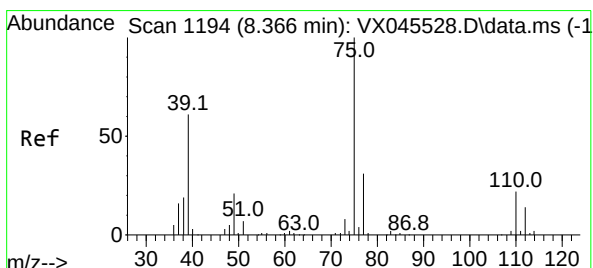
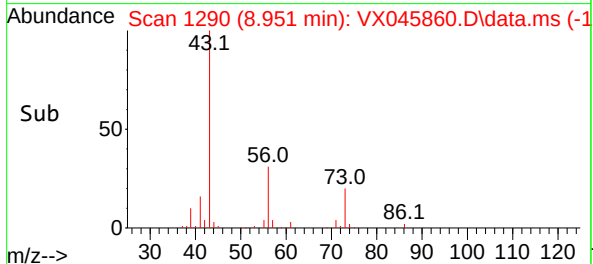
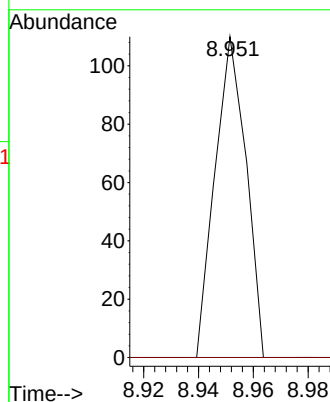
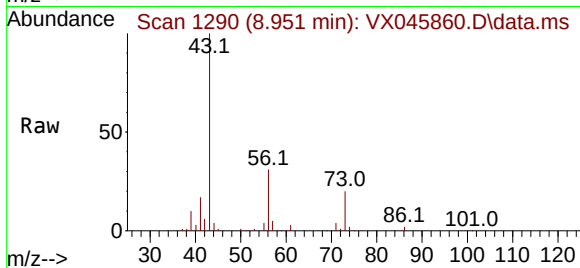
PL-714-COMP-05

Tgt Ion: 75 Resp: 86

Ion Ratio Lower Upper

75 100

77 0.0 25.4 38.0#



#54

cis-1,3-Dichloropropene

Concen: 8.926 ug/l

RT: 8.549 min Scan# 1224

Delta R.T. 0.183 min

Lab File: VX045860.D

Acq: 18 Apr 2025 16:05

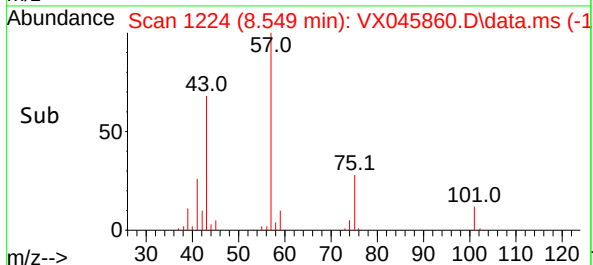
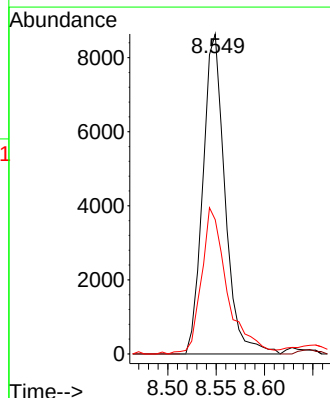
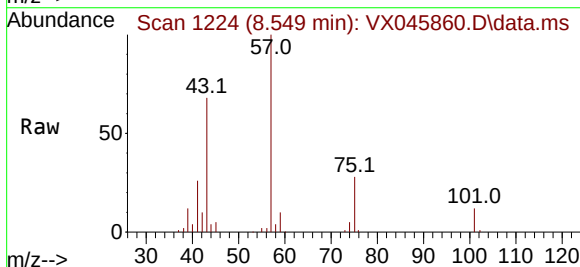
Tgt Ion: 75 Resp: 13752

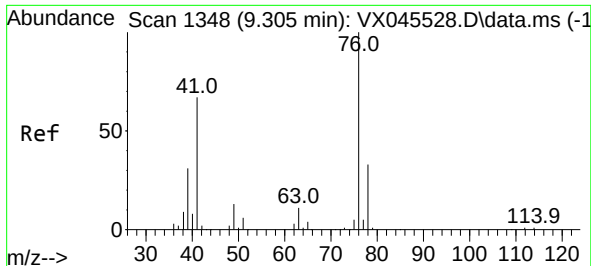
Ion Ratio Lower Upper

75 100

77 0.0 24.6 36.8#

39 41.2 48.4 72.6#

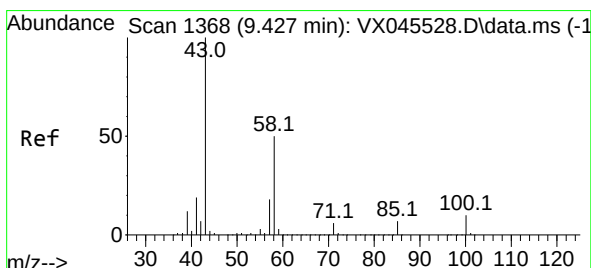
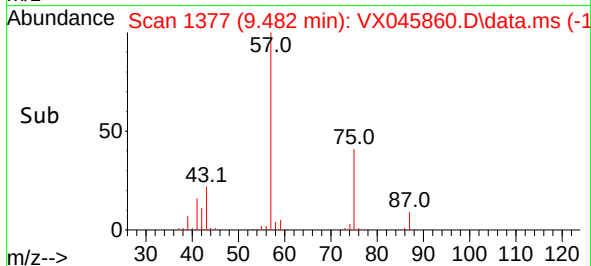
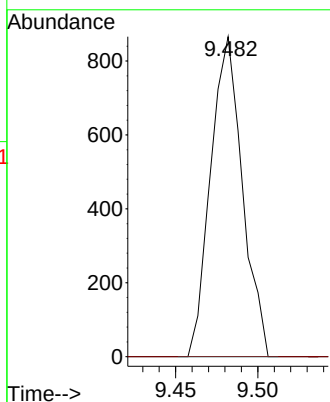
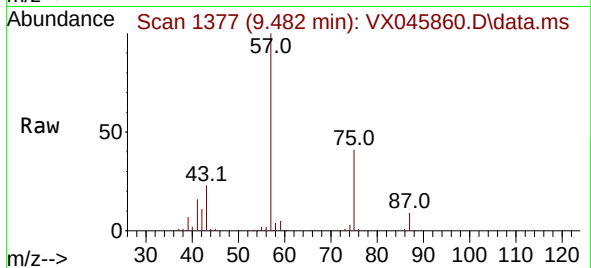




#57
1,3-Dichloropropane
Concen: 0.647 ug/l
RT: 9.482 min Scan# 11
Delta R.T. 0.177 min
Lab File: VX045860.D
Acq: 18 Apr 2025 16:05

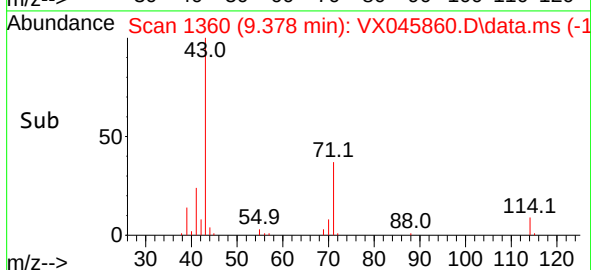
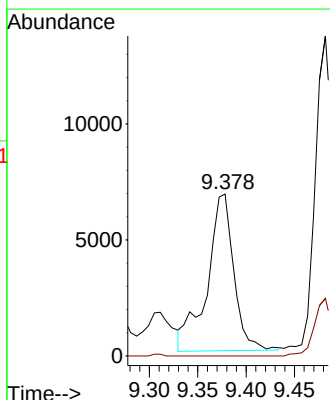
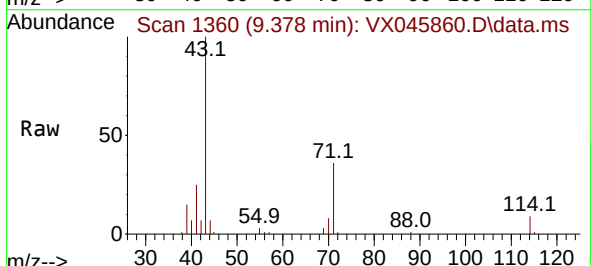
Instrument :
MSVOA_X
ClientSampleId :
PL-714-COMP-05

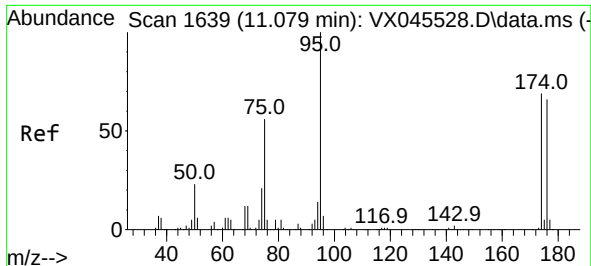
Tgt Ion: 76 Resp: 1164
Ion Ratio Lower Upper
76 100
78 0.0 26.0 39.0#



#59
2-Hexanone
Concen: 9.864 ug/l
RT: 9.378 min Scan# 1360
Delta R.T. -0.049 min
Lab File: VX045860.D
Acq: 18 Apr 2025 16:05

Tgt Ion: 43 Resp: 12979
Ion Ratio Lower Upper
43 100
58 0.0 24.9 74.6#

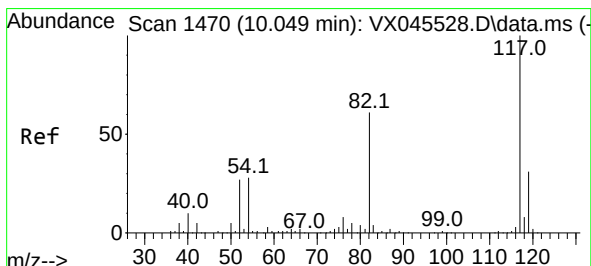
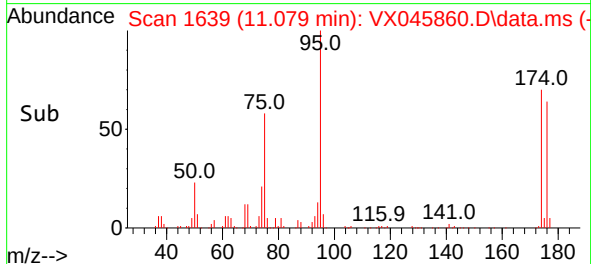
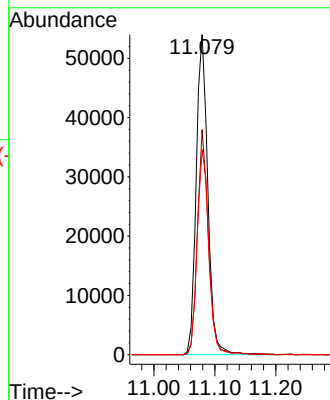
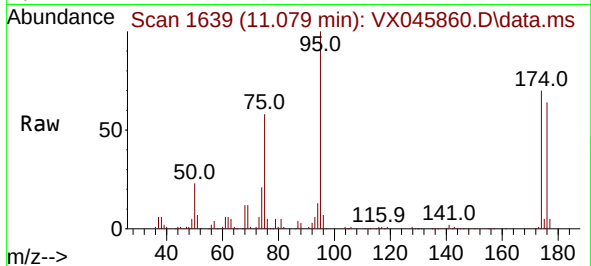




#62
4-Bromofluorobenzene
Concen: 53.837 ug/l
RT: 11.079 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045860.D
Acq: 18 Apr 2025 16:05

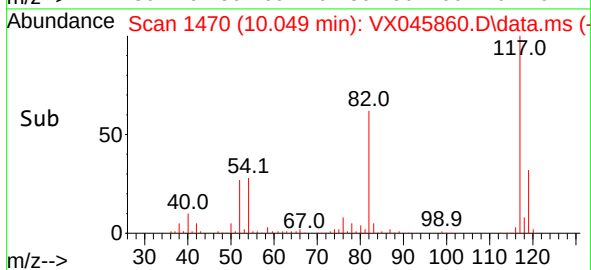
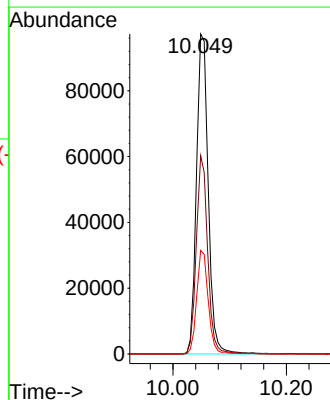
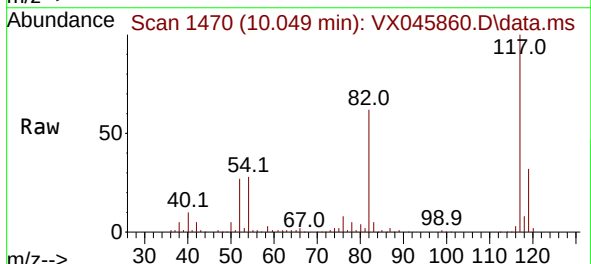
Instrument :
MSVOA_X
ClientSampleId :
PL-714-COMP-05

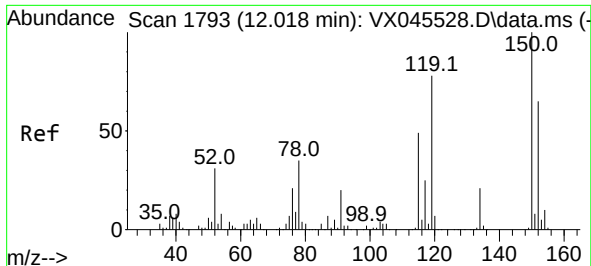
Tgt Ion: 95 Resp: 71142
Ion Ratio Lower Upper
95 100
174 66.9 0.0 135.8
176 64.4 0.0 131.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 1470
Delta R.T. -0.000 min
Lab File: VX045860.D
Acq: 18 Apr 2025 16:05

Tgt Ion: 117 Resp: 140270
Ion Ratio Lower Upper
117 100
82 62.0 49.2 73.8
119 32.4 25.1 37.7

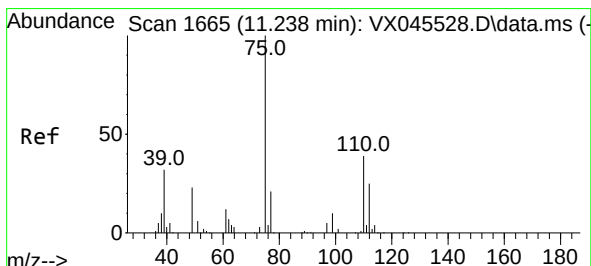
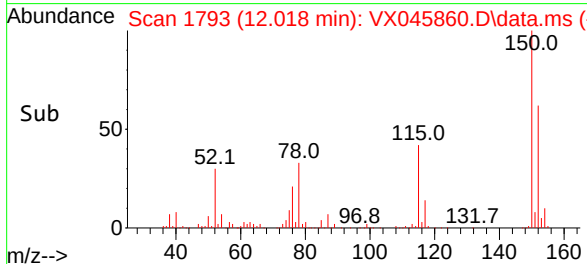
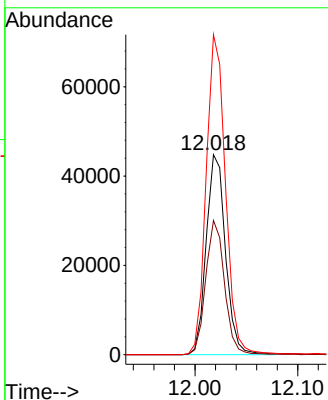
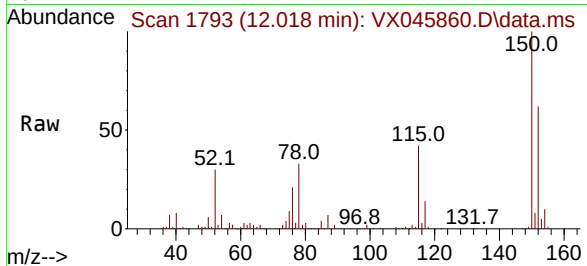




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.018 min Scan# 11
 Delta R.T. -0.000 min
 Lab File: VX045860.D
 Acq: 18 Apr 2025 16:05

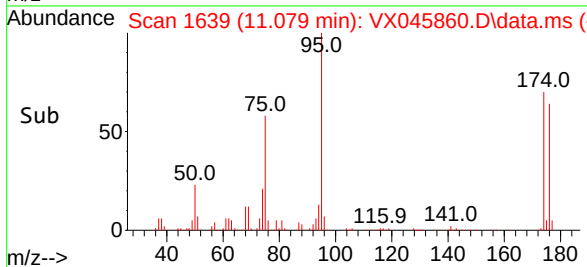
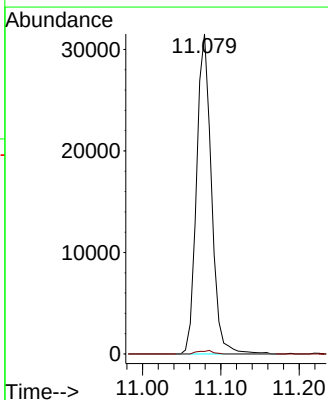
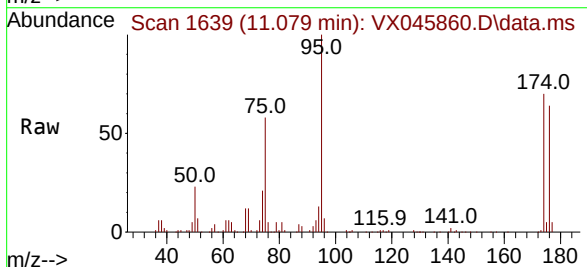
Instrument :
 MSVOA_X
 ClientSampleId :
 PL-714-COMP-05

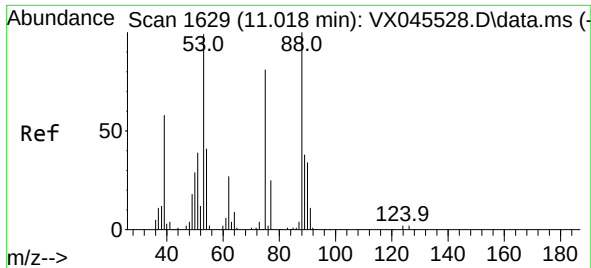
Tgt Ion:152 Resp: 58479
 Ion Ratio Lower Upper
 152 100
 115 65.4 46.9 140.7
 150 159.4 0.0 349.4



#76
 1,2,3-Trichloropropane
 Concen: 29.114 ug/l
 RT: 11.079 min Scan# 1639
 Delta R.T. -0.159 min
 Lab File: VX045860.D
 Acq: 18 Apr 2025 16:05

Tgt Ion: 75 Resp: 41530
 Ion Ratio Lower Upper
 75 100
 77 1.1 20.0 59.9#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 98.811 ug/l
 RT: 11.079 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX045860.D
 Acq: 18 Apr 2025 16:05

Instrument :
 MSVOA_X
 ClientSampleId :
 PL-714-COMP-05

Tgt Ion: 75 Resp: 41530
 Ion Ratio Lower Upper
 75 100
 53 0.0 101.8 152.6#
 89 0.1 37.2 55.8#

