

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX041825\
 Data File : VX045856.D
 Acq On : 18 Apr 2025 14:33
 Operator : JC/MD
 Sample : Q1832-06
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PL-714-COMP-01

Quant Time: Apr 18 23:40:11 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X040225W.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 02 03:11:43 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

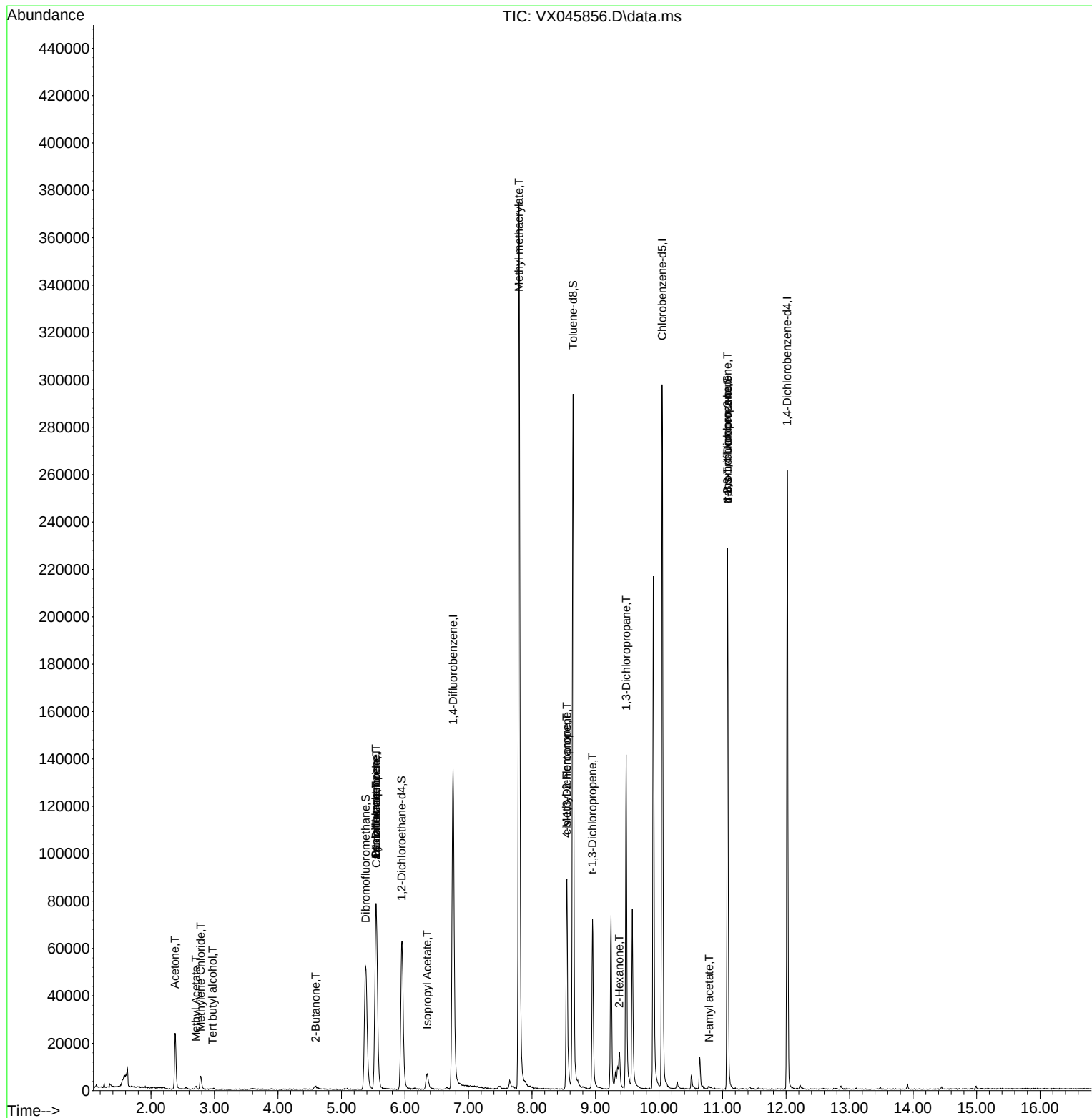
Internal Standards						
1) Pentafluorobenzene	5.543	168	66674	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	131466	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	119399	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	48635	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	64542	52.934	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 105.860%	
35) Dibromofluoromethane	5.379	113	46179	49.508	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 99.020%	
50) Toluene-d8	8.647	98	166397	51.110	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 102.220%	
62) 4-Bromofluorobenzene	11.079	95	60613	51.112	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 102.220%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	2.971	59	349	2.130	ug/l #	72
16) Acetone	2.379	43	26152	52.233	ug/l	97
18) Methyl Acetate	2.709	43	1773	1.538	ug/l #	85
20) Methylene Chloride	2.782	84	2767	2.952	ug/l	92
25) 2-Butanone	4.592	43	3423	4.671	ug/l #	82
31) Cyclohexane	5.543	56	2131	1.425	ug/l #	43
36) 1,1-Dichloropropene	5.543	75	6691	5.313	ug/l #	50
38) Carbon Tetrachloride	5.550	117	7900	5.804	ug/l #	17
43) Isopropyl Acetate	6.348	43	10783	4.483	ug/l	94
48) Methyl methacrylate	7.793	41	37546	30.231	ug/l #	50
51) 4-Methyl-2-Pentanone	8.543	43	36508	22.894	ug/l #	53
53) t-1,3-Dichloropropene	8.951	75	124	2.373	ug/l #	43
54) cis-1,3-Dichloropropene	8.549	75	13922	10.070	ug/l #	67
57) 1,3-Dichloropropane	9.482	76	1079	0.668	ug/l #	42
59) 2-Hexanone	9.372	43	14230	12.050	ug/l #	28
74) N-amyl acetate	10.786	43	1024	0.549	ug/l #	48
76) 1,2,3-Trichloropropane	11.079	75	34908	29.425	ug/l #	37
81) trans-1,4-Dichloro-2-b...	11.079	75	34908	99.866	ug/l #	1

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

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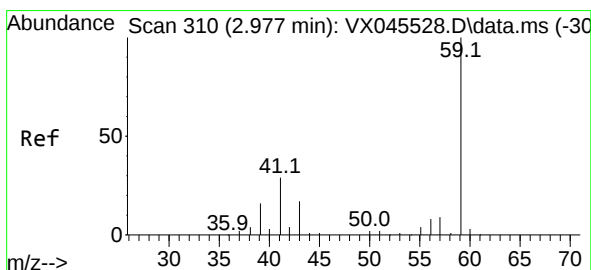
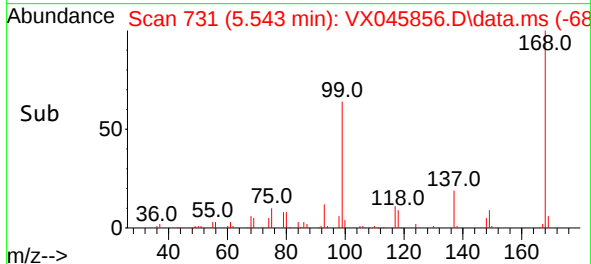
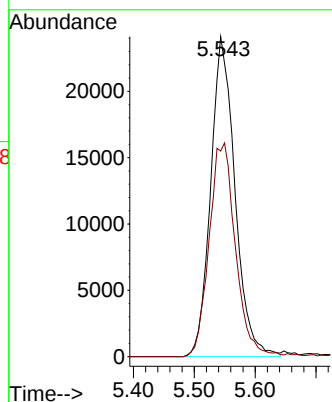
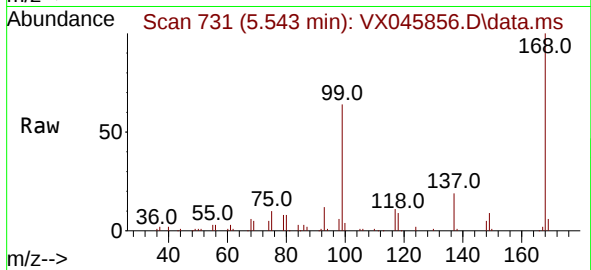




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.543 min Scan# 71
Delta R.T. -0.007 min
Lab File: VX045856.D
Acq: 18 Apr 2025 14:33

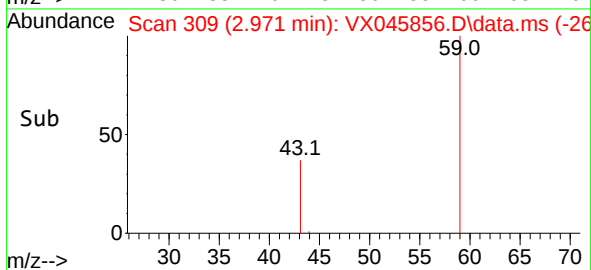
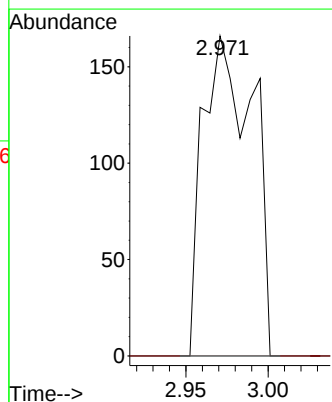
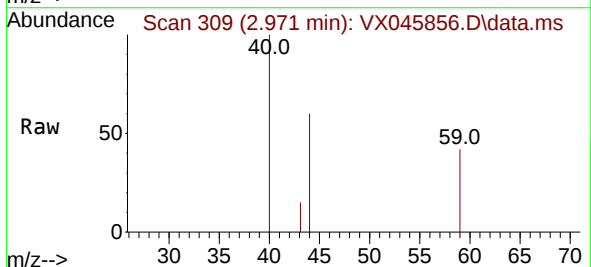
Instrument :
MSVOA_X
ClientSampleId :
PL-714-COMP-01

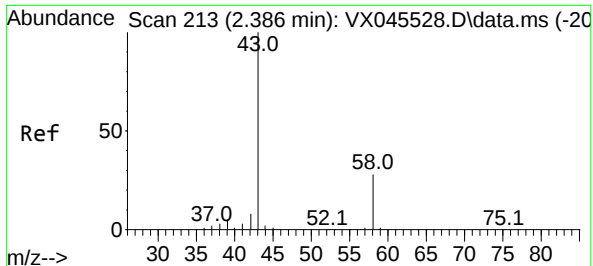
Tgt Ion:168 Resp: 66674
Ion Ratio Lower Upper
168 100
99 64.2 52.3 78.5



#11
Tert butyl alcohol
Concen: 2.130 ug/l
RT: 2.971 min Scan# 309
Delta R.T. -0.006 min
Lab File: VX045856.D
Acq: 18 Apr 2025 14:33

Tgt Ion: 59 Resp: 349
Ion Ratio Lower Upper
59 100
57 0.0 8.6 12.8#

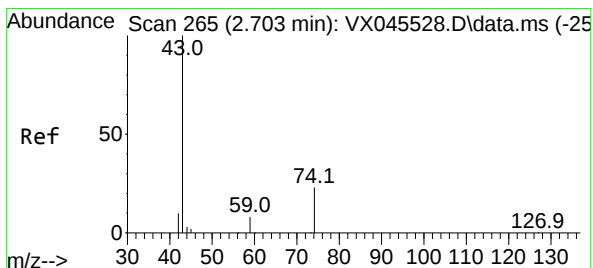
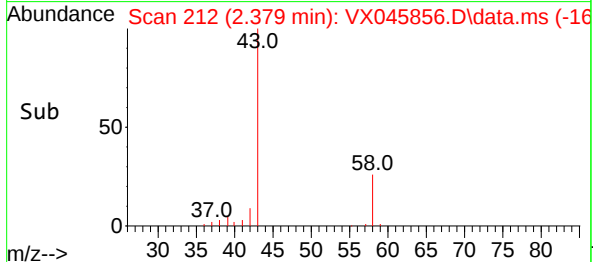
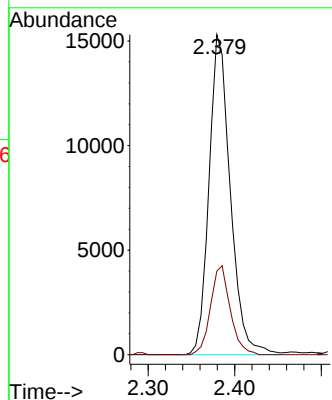
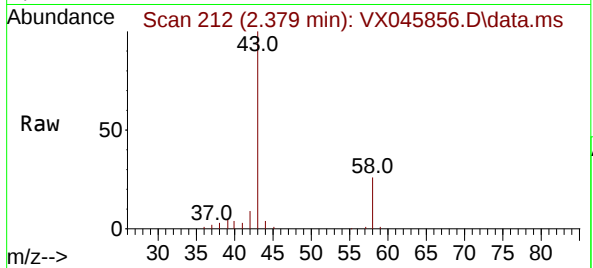




#16
Acetone
Concen: 52.233 ug/l
RT: 2.379 min Scan# 213
Delta R.T. -0.006 min
Lab File: VX045856.D
Acq: 18 Apr 2025 14:33

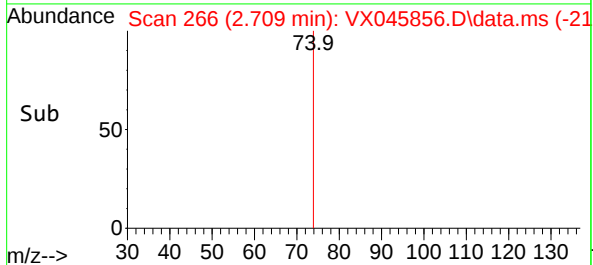
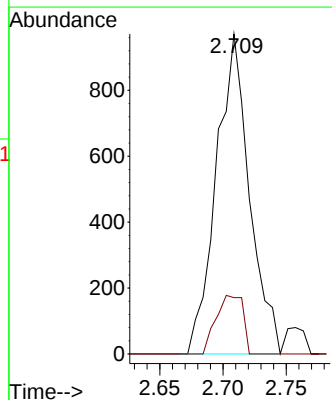
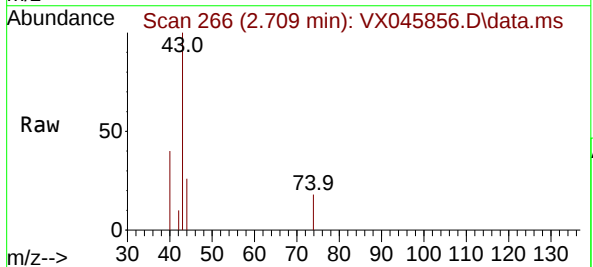
Instrument :
MSVOA_X
ClientSampleId :
PL-714-COMP-01

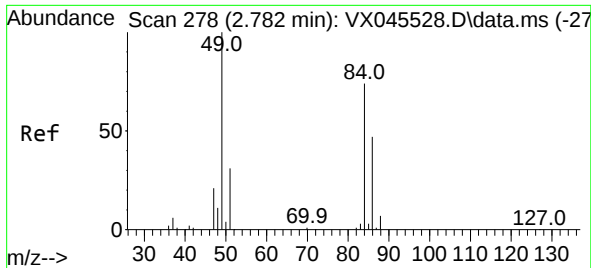
Tgt Ion: 43 Resp: 26152
Ion Ratio Lower Upper
43 100
58 26.1 22.3 33.5



#18
Methyl Acetate
Concen: 1.538 ug/l
RT: 2.709 min Scan# 266
Delta R.T. 0.006 min
Lab File: VX045856.D
Acq: 18 Apr 2025 14:33

Tgt Ion: 43 Resp: 1773
Ion Ratio Lower Upper
43 100
74 14.8 17.5 26.3#



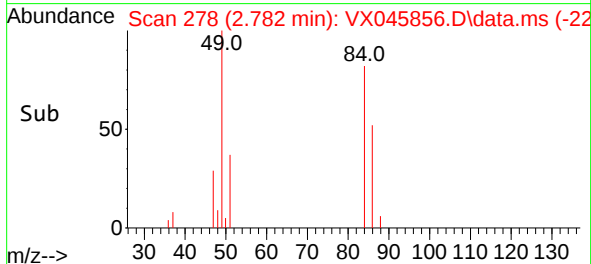
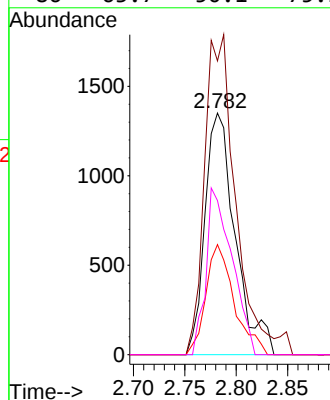
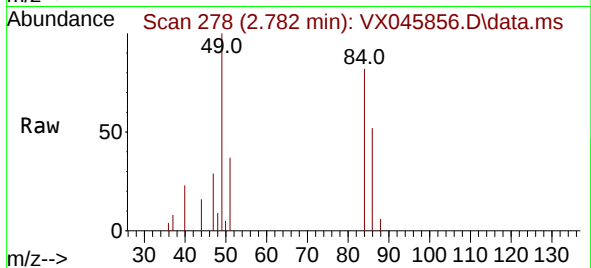


#20
Methylene Chloride
Concen: 2.952 ug/l
RT: 2.782 min Scan# 21
Delta R.T. -0.000 min
Lab File: VX045856.D
Acq: 18 Apr 2025 14:33

Instrument :
MSVOA_X
ClientSampleId :
PL-714-COMP-01

Tgt Ion: 84 Resp: 2767

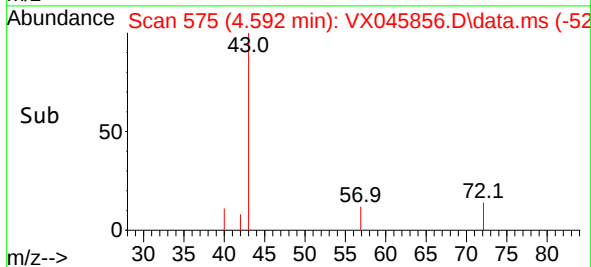
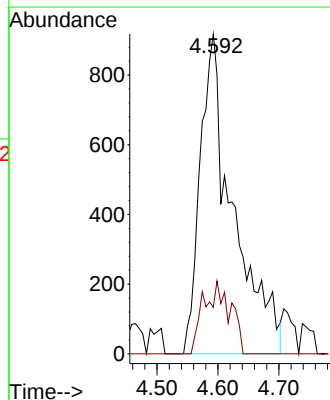
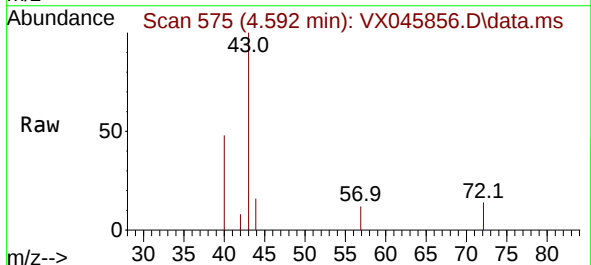
Ion	Ratio	Lower	Upper
84	100		
49	121.5	107.5	161.3
51	45.5	33.0	49.6
86	63.7	50.1	75.1

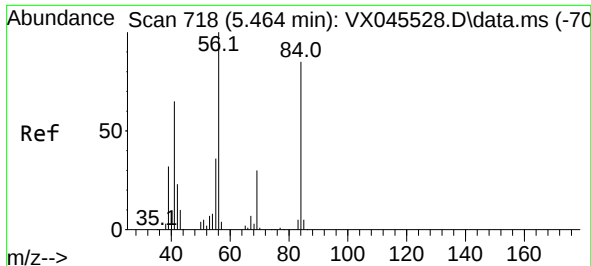


#25
2-Butanone
Concen: 4.671 ug/l
RT: 4.592 min Scan# 575
Delta R.T. 0.036 min
Lab File: VX045856.D
Acq: 18 Apr 2025 14:33

Tgt Ion: 43 Resp: 3423

Ion	Ratio	Lower	Upper
43	100		
72	14.5	18.6	28.0

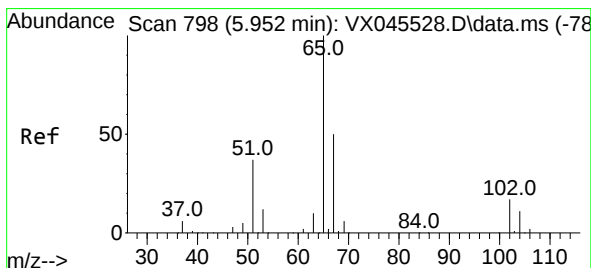
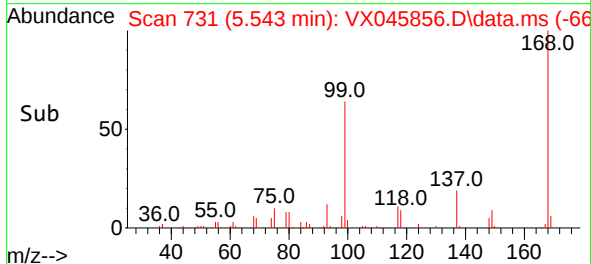
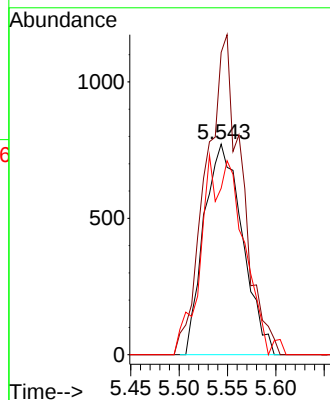
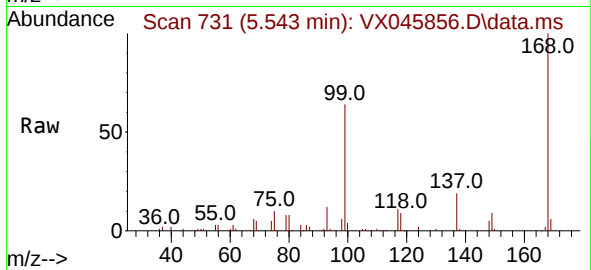




#31
Cyclohexane
Concen: 1.425 ug/l
RT: 5.543 min Scan# 718
Delta R.T. 0.079 min
Lab File: VX045856.D
Acq: 18 Apr 2025 14:33

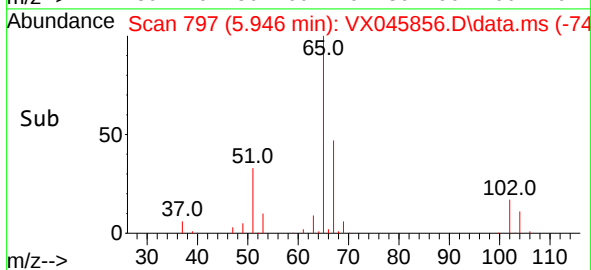
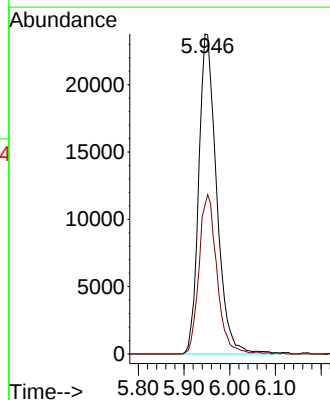
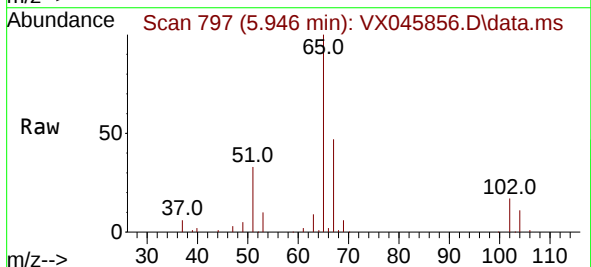
Instrument :
MSVOA_X
ClientSampleId :
PL-714-COMP-01

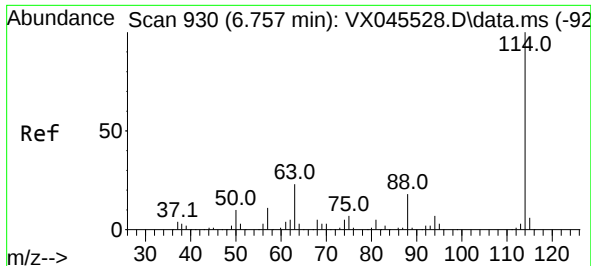
Tgt Ion: 56 Resp: 2131
Ion Ratio Lower Upper
56 100
69 143.5 23.6 35.4#
84 82.3 67.7 101.5



#33
1,2-Dichloroethane-d4
Concen: 52.934 ug/l
RT: 5.946 min Scan# 797
Delta R.T. -0.006 min
Lab File: VX045856.D
Acq: 18 Apr 2025 14:33

Tgt Ion: 65 Resp: 64542
Ion Ratio Lower Upper
65 100
67 49.6 0.0 99.0

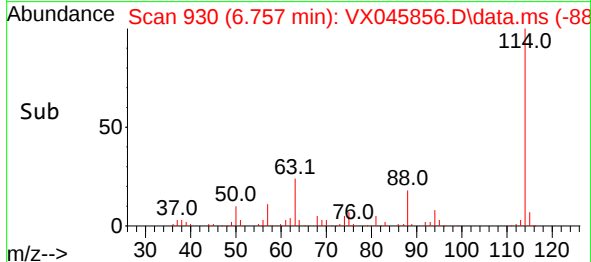
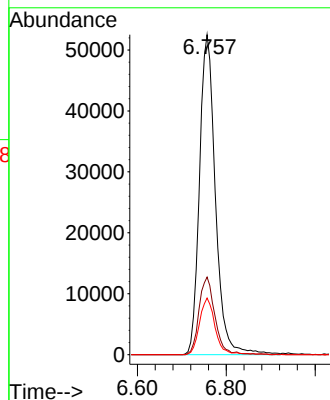
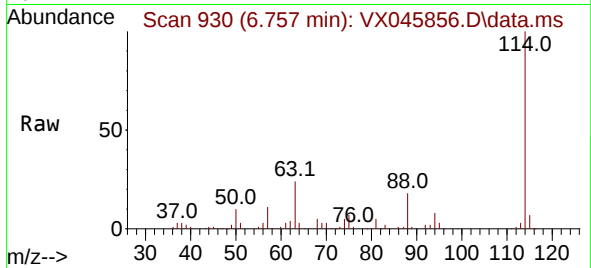




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.757 min Scan# 91
 Delta R.T. -0.000 min
 Lab File: VX045856.D
 Acq: 18 Apr 2025 14:33

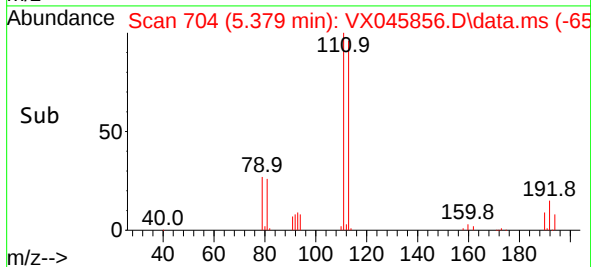
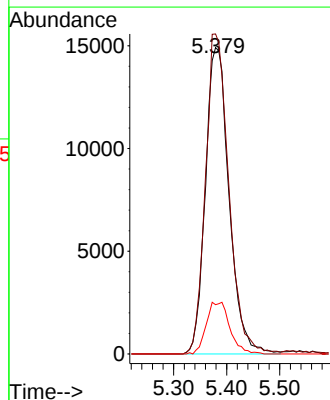
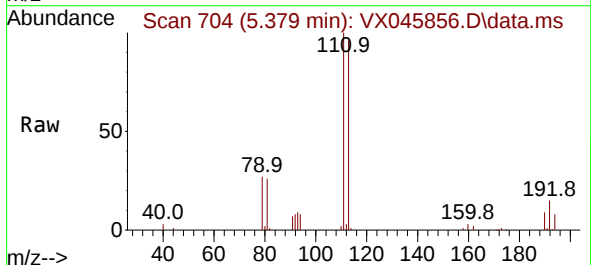
Instrument :
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 PL-714-COMP-01

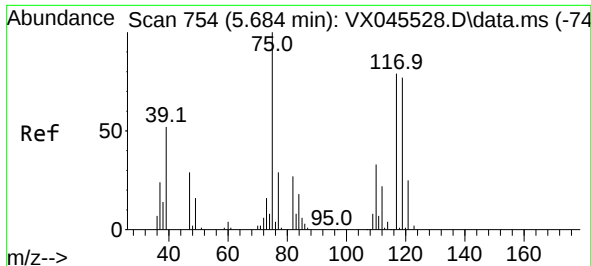
Tgt Ion:114 Resp: 131466
 Ion Ratio Lower Upper
 114 100
 63 24.2 0.0 46.8
 88 17.7 0.0 35.4



#35
 Dibromofluoromethane
 Concen: 49.508 ug/l
 RT: 5.379 min Scan# 704
 Delta R.T. -0.000 min
 Lab File: VX045856.D
 Acq: 18 Apr 2025 14:33

Tgt Ion:113 Resp: 46179
 Ion Ratio Lower Upper
 113 100
 111 103.2 81.8 122.6
 192 16.8 13.8 20.6

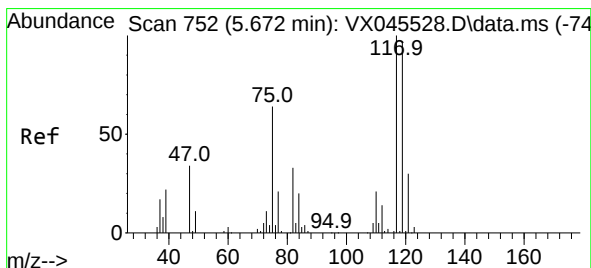
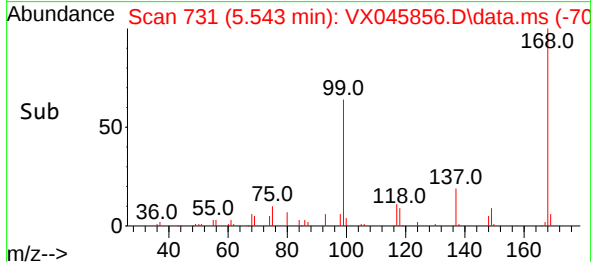
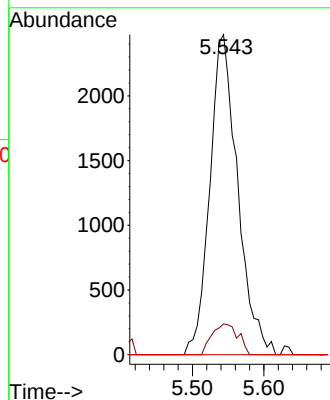
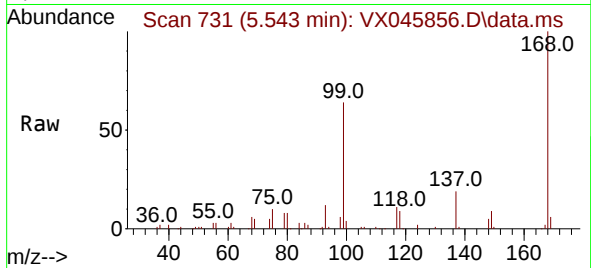




#36
 1,1-Dichloropropene
 Concen: 5.313 ug/l
 RT: 5.543 min Scan# 71
 Delta R.T. -0.140 min
 Lab File: VX045856.D
 Acq: 18 Apr 2025 14:33

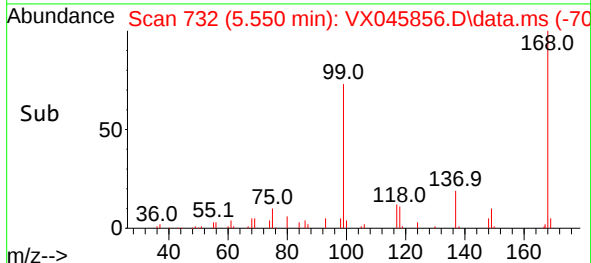
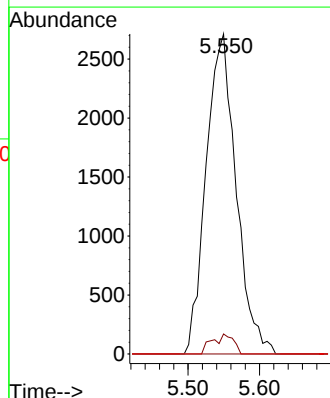
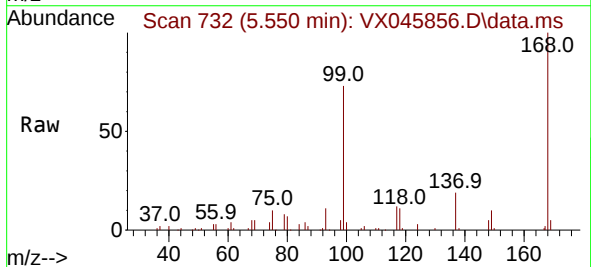
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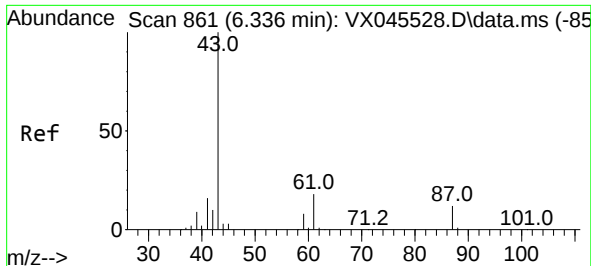
Tgt Ion: 75 Resp: 6691
 Ion Ratio Lower Upper
 75 100
 110 9.1 16.9 50.6#
 77 0.0 25.0 37.4#



#38
 Carbon Tetrachloride
 Concen: 5.804 ug/l
 RT: 5.550 min Scan# 732
 Delta R.T. -0.122 min
 Lab File: VX045856.D
 Acq: 18 Apr 2025 14:33

Tgt Ion: 117 Resp: 7900
 Ion Ratio Lower Upper
 117 100
 119 6.3 76.9 115.3#
 121 0.0 24.2 36.2#

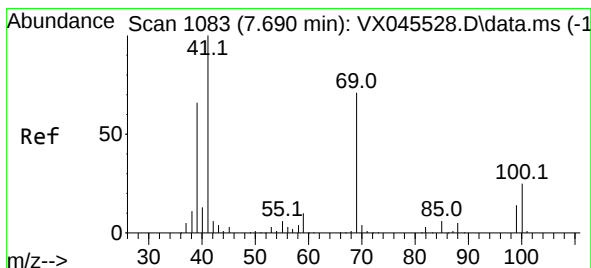
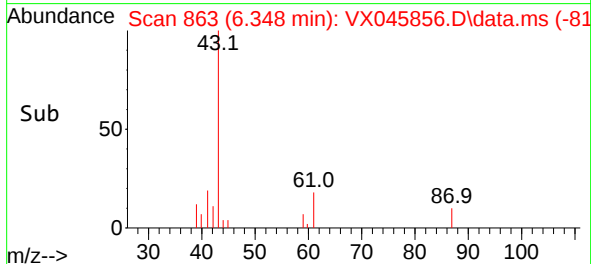
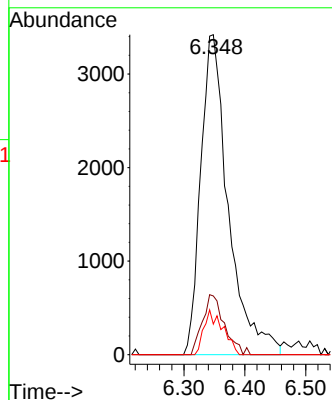
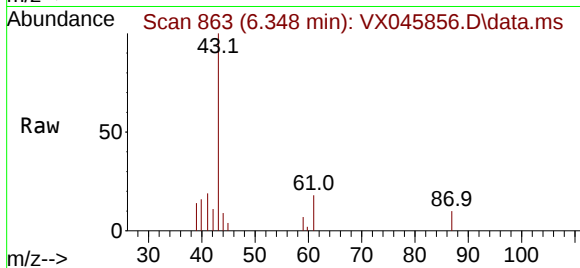




#43
Isopropyl Acetate
Concen: 4.483 ug/l
RT: 6.348 min Scan# 810
Delta R.T. 0.012 min
Lab File: VX045856.D
Acq: 18 Apr 2025 14:33

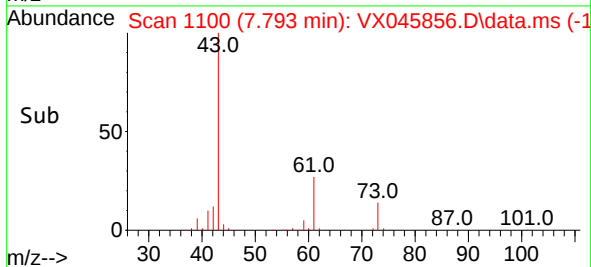
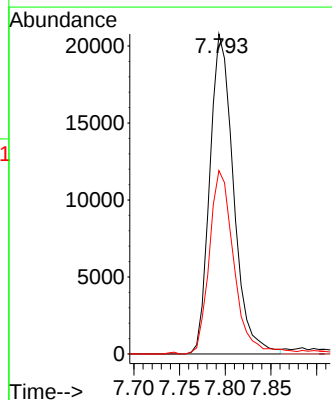
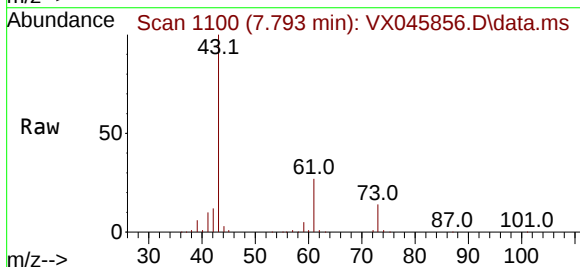
Instrument :
MSVOA_X
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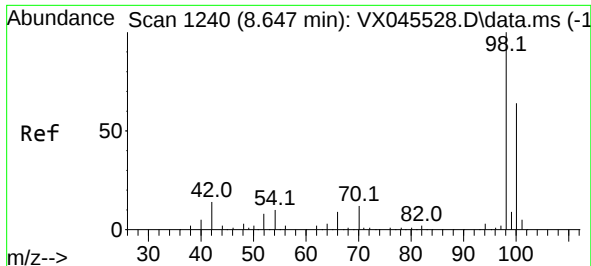
Tgt Ion: 43 Resp: 10783
Ion Ratio Lower Upper
43 100
61 14.9 14.1 21.1
87 9.6 9.2 13.8



#48
Methyl methacrylate
Concen: 30.231 ug/l
RT: 7.793 min Scan# 1100
Delta R.T. 0.103 min
Lab File: VX045856.D
Acq: 18 Apr 2025 14:33

Tgt Ion: 41 Resp: 37546
Ion Ratio Lower Upper
41 100
69 0.0 58.2 87.2#
39 59.4 53.6 80.4

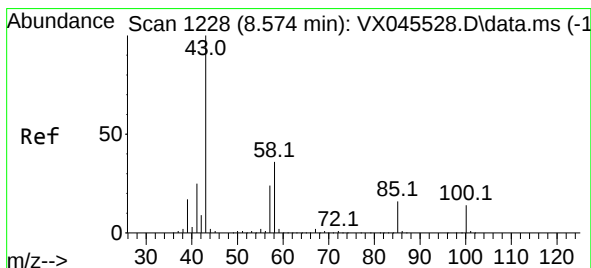
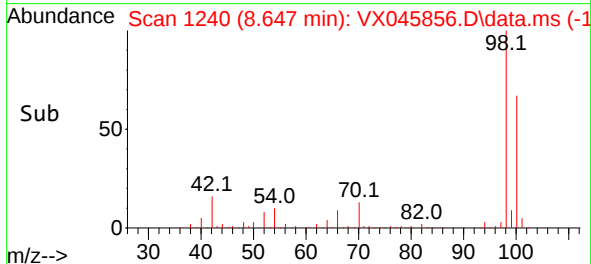
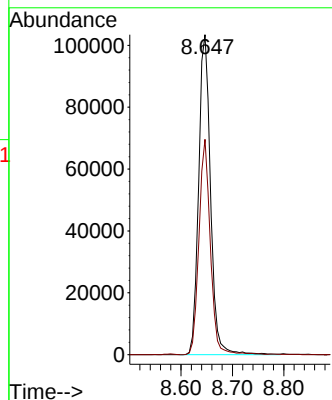
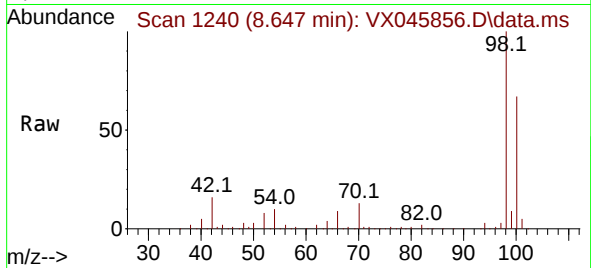




#50
Toluene-d8
Concen: 51.110 ug/l
RT: 8.647 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX045856.D
Acq: 18 Apr 2025 14:33

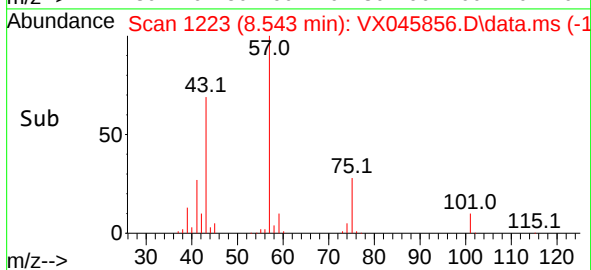
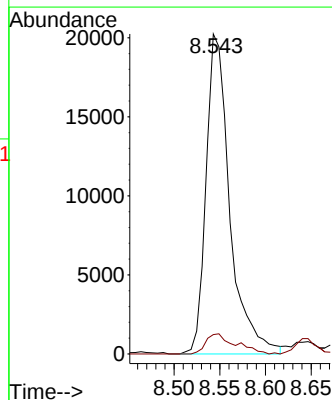
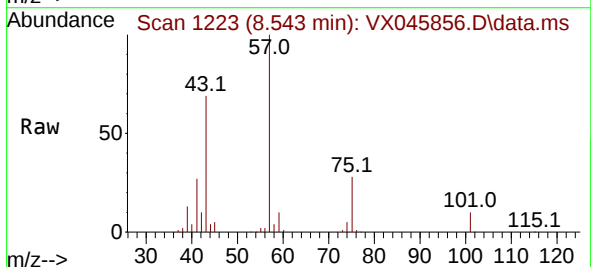
Instrument :
MSVOA_X
ClientSampleId :
PL-714-COMP-01

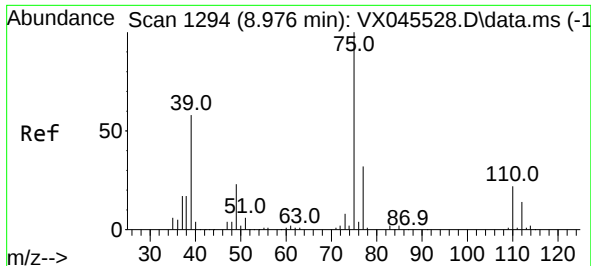
Tgt Ion: 98 Resp: 166397
Ion Ratio Lower Upper
98 100
100 64.8 52.2 78.4



#51
4-Methyl-2-Pentanone
Concen: 22.894 ug/l
RT: 8.543 min Scan# 1223
Delta R.T. -0.031 min
Lab File: VX045856.D
Acq: 18 Apr 2025 14:33

Tgt Ion: 43 Resp: 36508
Ion Ratio Lower Upper
43 100
58 7.9 28.5 42.7#





#53

t-1,3-Dichloropropene

Concen: 2.373 ug/l

RT: 8.951 min Scan# 11

Delta R.T. -0.025 min

Lab File: VX045856.D

Acq: 18 Apr 2025 14:33

Instrument :

MSVOA_X

ClientSampleId :

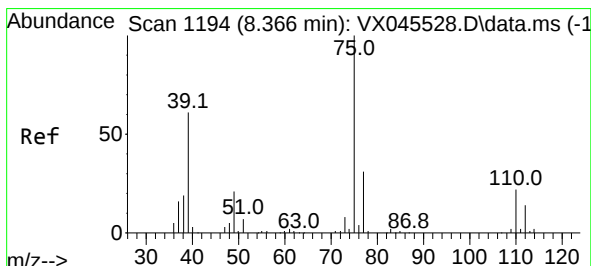
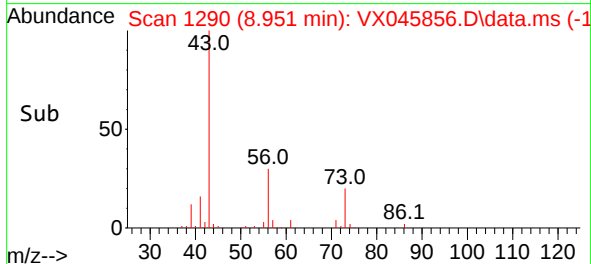
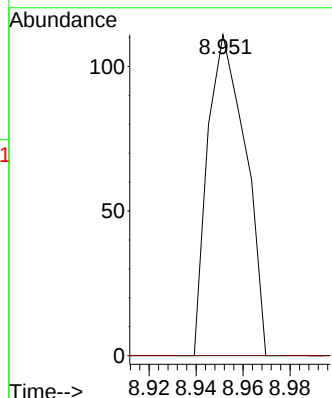
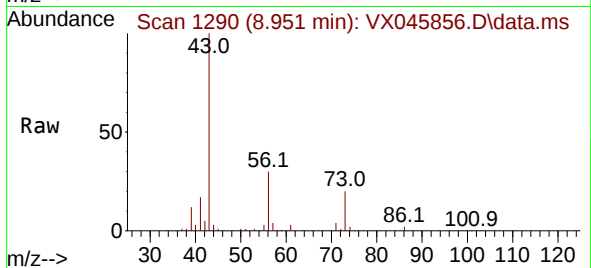
PL-714-COMP-01

Tgt Ion: 75 Resp: 124

Ion Ratio Lower Upper

75 100

77 0.0 25.4 38.0#



#54

cis-1,3-Dichloropropene

Concen: 10.070 ug/l

RT: 8.549 min Scan# 1224

Delta R.T. 0.183 min

Lab File: VX045856.D

Acq: 18 Apr 2025 14:33

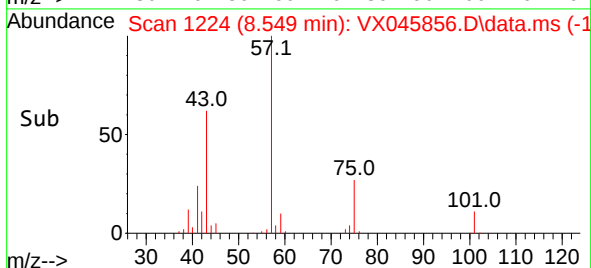
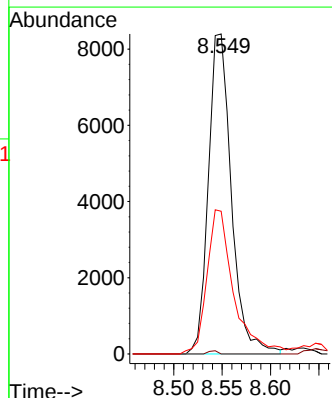
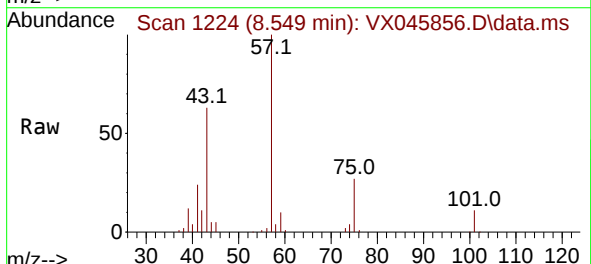
Tgt Ion: 75 Resp: 13922

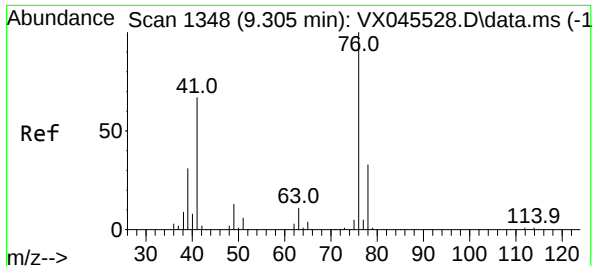
Ion Ratio Lower Upper

75 100

77 0.0 24.6 36.8#

39 44.6 48.4 72.6#

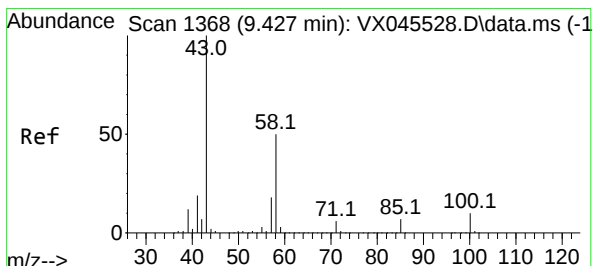
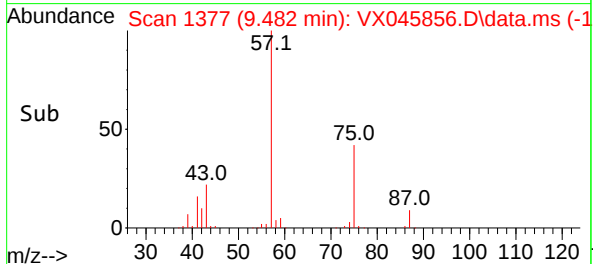
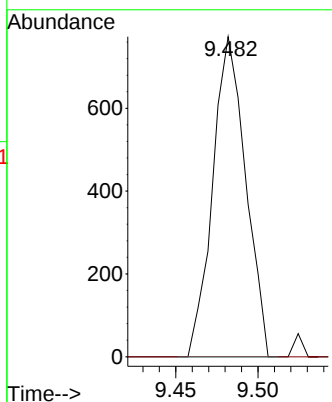
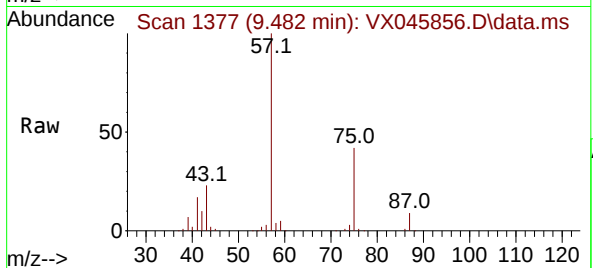




#57
1,3-Dichloropropane
Concen: 0.668 ug/l
RT: 9.482 min Scan# 11
Delta R.T. 0.177 min
Lab File: VX045856.D
Acq: 18 Apr 2025 14:33

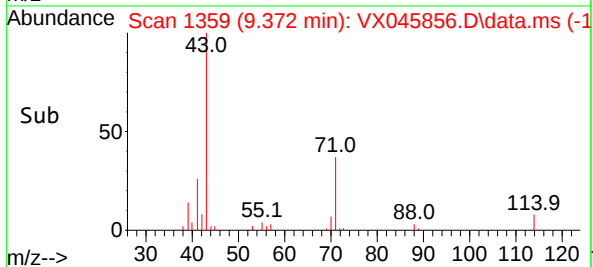
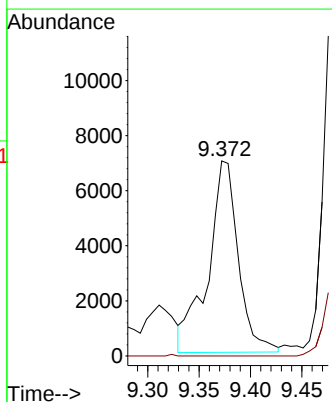
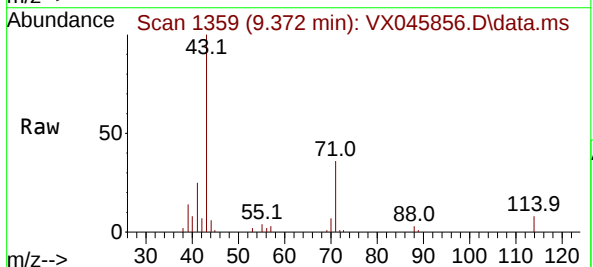
Instrument :
MSVOA_X
ClientSampleId :
PL-714-COMP-01

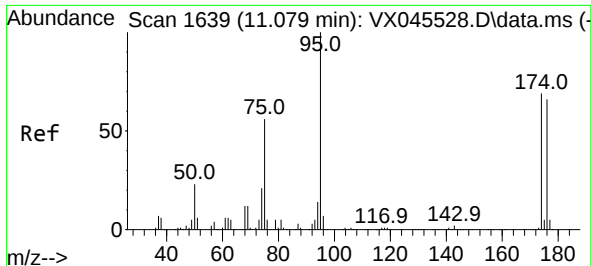
Tgt Ion: 76 Resp: 1079
Ion Ratio Lower Upper
76 100
78 0.0 26.0 39.0#



#59
2-Hexanone
Concen: 12.050 ug/l
RT: 9.372 min Scan# 1359
Delta R.T. -0.055 min
Lab File: VX045856.D
Acq: 18 Apr 2025 14:33

Tgt Ion: 43 Resp: 14230
Ion Ratio Lower Upper
43 100
58 0.0 24.9 74.6#

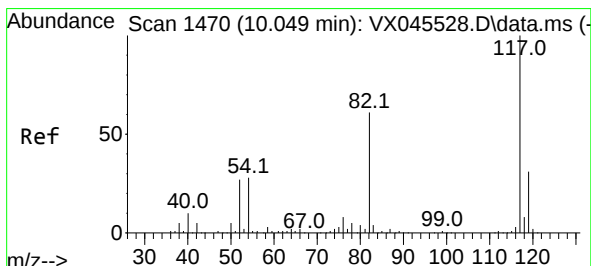
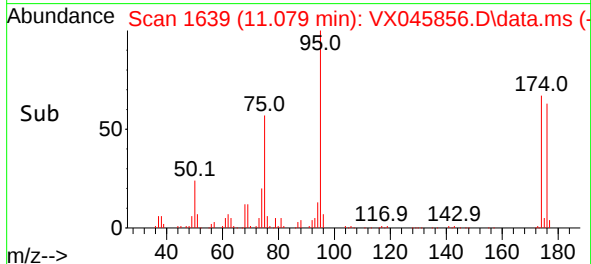
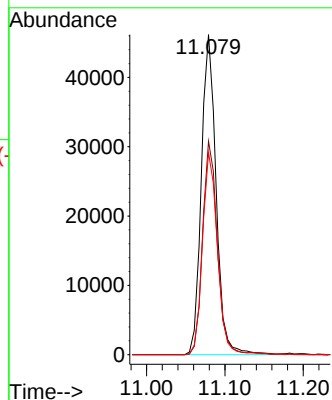
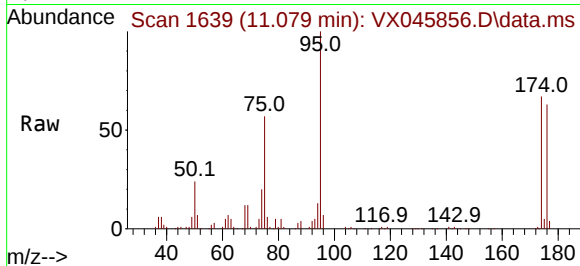




#62
4-Bromofluorobenzene
Concen: 51.112 ug/l
RT: 11.079 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX045856.D
Acq: 18 Apr 2025 14:33

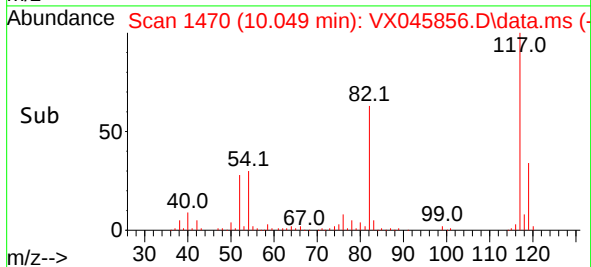
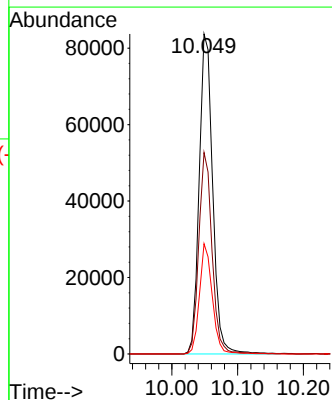
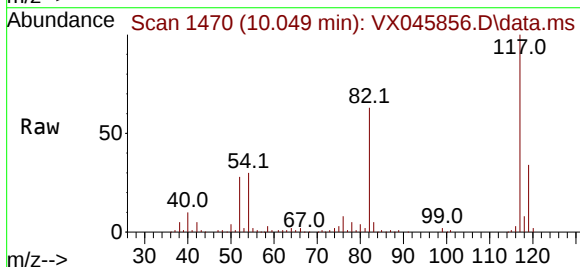
Instrument :
MSVOA_X
ClientSampleId :
PL-714-COMP-01

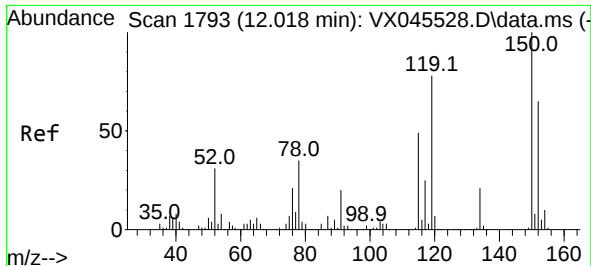
Tgt Ion: 95 Resp: 60613
Ion Ratio Lower Upper
95 100
174 66.6 0.0 135.8
176 64.0 0.0 131.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 1470
Delta R.T. -0.000 min
Lab File: VX045856.D
Acq: 18 Apr 2025 14:33

Tgt Ion: 117 Resp: 119399
Ion Ratio Lower Upper
117 100
82 62.9 49.2 73.8
119 34.4 25.1 37.7

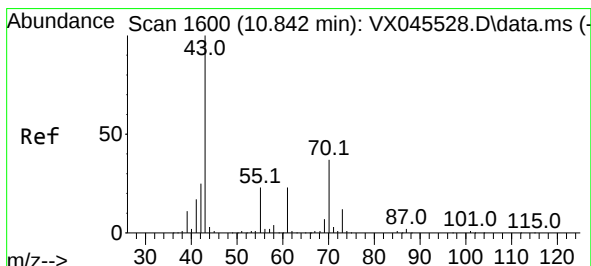
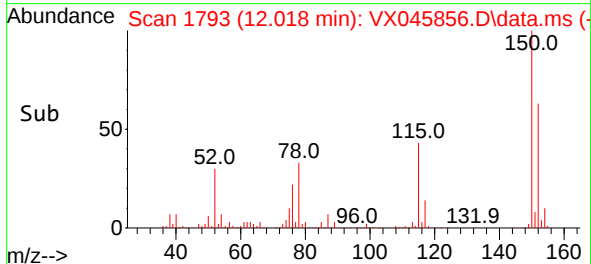
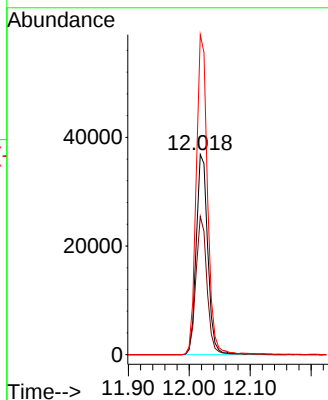
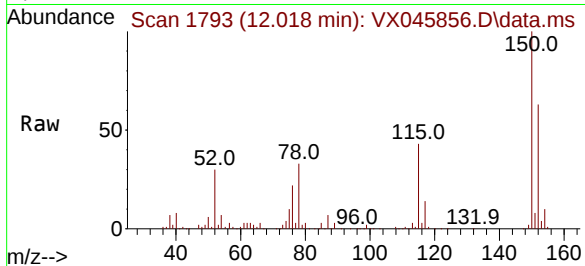




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.018 min Scan# 1
 Delta R.T. -0.000 min
 Lab File: VX045856.D
 Acq: 18 Apr 2025 14:33

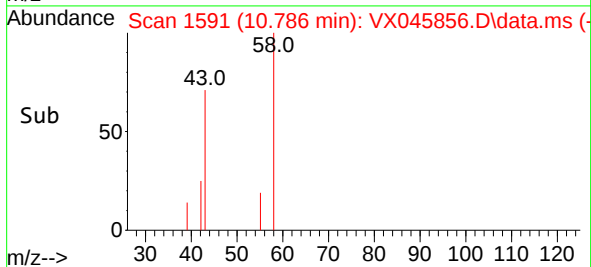
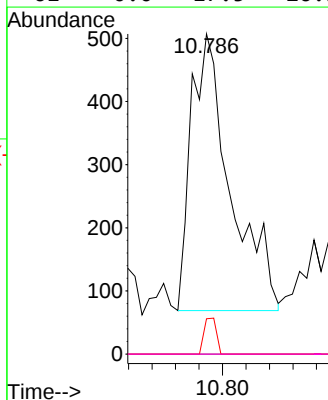
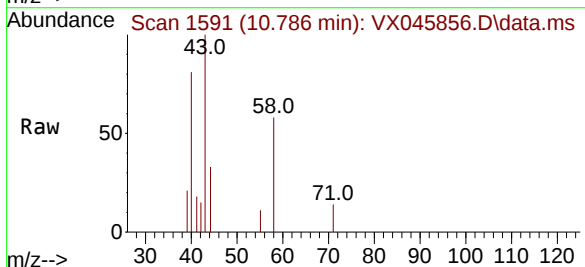
Instrument :
 MSVOA_X
 ClientSampleId :
 PL-714-COMP-01

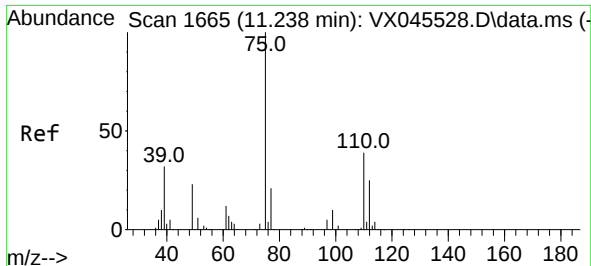
Tgt Ion:152 Resp: 48635
 Ion Ratio Lower Upper
 152 100
 115 66.3 46.9 140.7
 150 155.0 0.0 349.4



#74
 N-ethyl acetate
 Concen: 0.549 ug/l
 RT: 10.786 min Scan# 1591
 Delta R.T. -0.055 min
 Lab File: VX045856.D
 Acq: 18 Apr 2025 14:33

Tgt Ion: 43 Resp: 1024
 Ion Ratio Lower Upper
 43 100
 70 0.0 30.1 45.1#
 55 4.0 18.3 27.5#
 61 0.0 17.5 26.3#

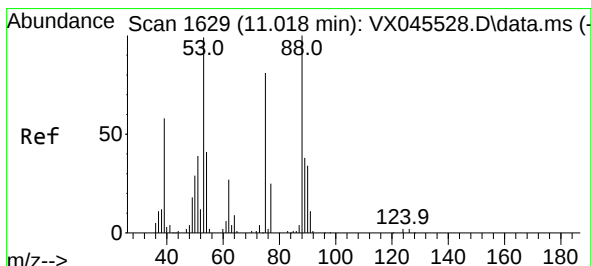
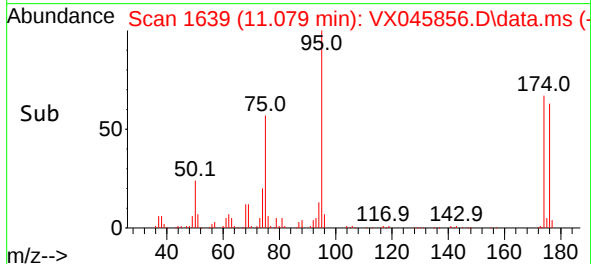
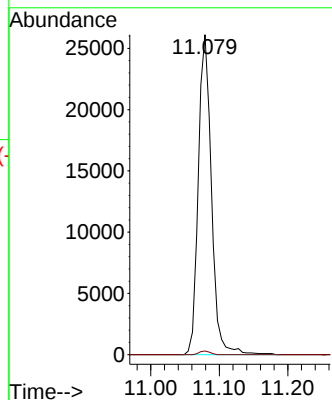
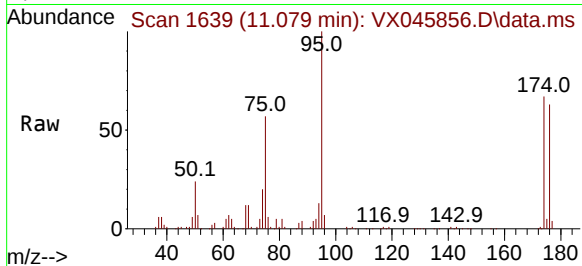




#76
1,2,3-Trichloropropane
Concen: 29.425 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX045856.D
Acq: 18 Apr 2025 14:33

Instrument :
MSVOA_X
ClientSampleId :
PL-714-COMP-01

Tgt Ion: 75 Resp: 34908
Ion Ratio Lower Upper
75 100
77 1.0 20.0 59.9#



#81
trans-1,4-Dichloro-2-butene
Concen: 99.866 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX045856.D
Acq: 18 Apr 2025 14:33

Tgt Ion: 75 Resp: 34908
Ion Ratio Lower Upper
75 100
53 0.0 101.8 152.6#
89 0.0 37.2 55.8#

