

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX041825\
 Data File : VX045859.D
 Acq On : 18 Apr 2025 15:42
 Operator : JC/MD
 Sample : Q1832-24
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PL-714-COMP-04

Quant Time: Apr 18 23:41:38 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)

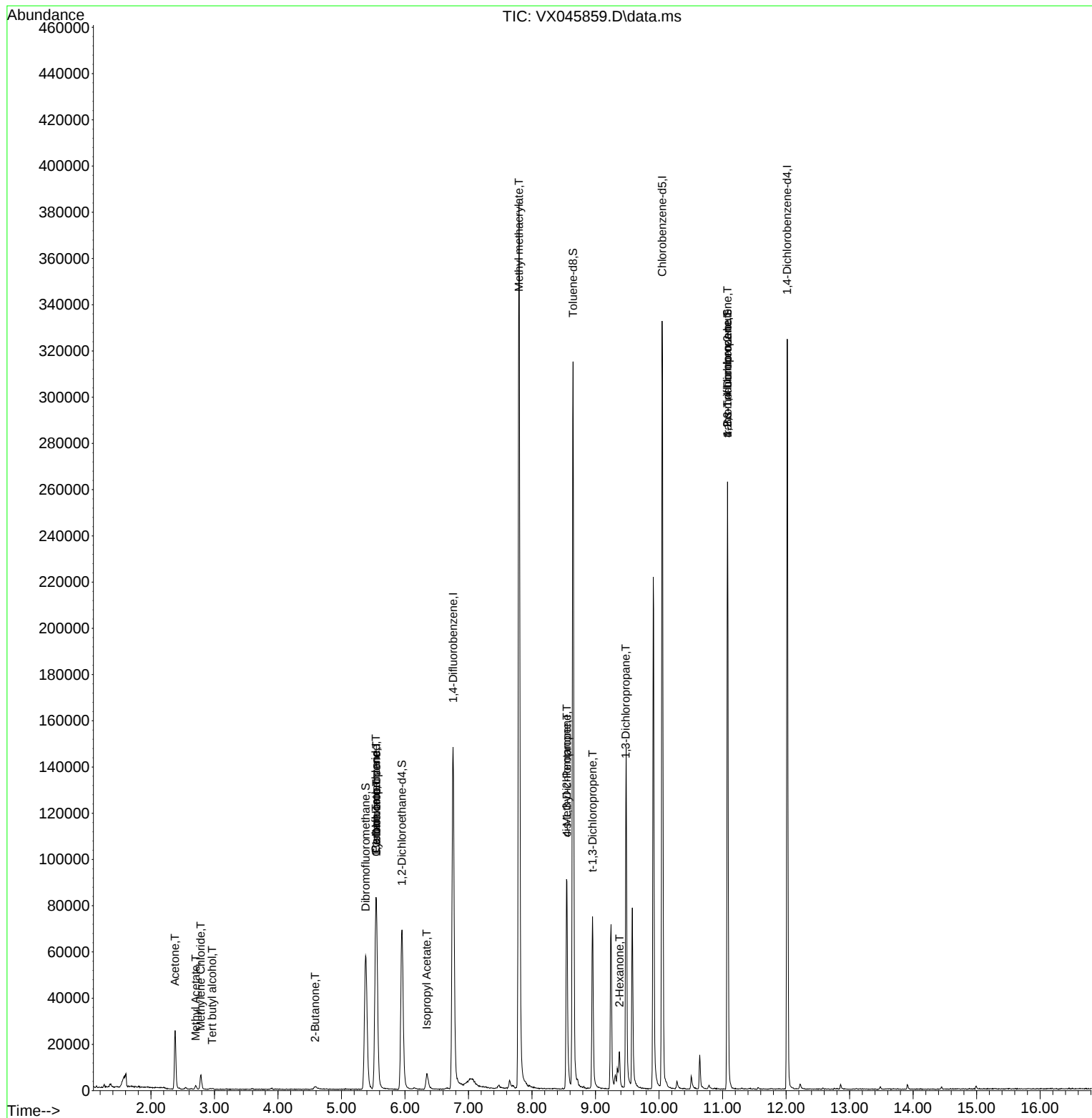
Internal Standards						
1) Pentafluorobenzene	5.544	168	72071	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	141413	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	135825	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	58716	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	71505	54.253	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 108.500%	
35) Dibromofluoromethane	5.379	113	50914	50.745	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 101.500%	
50) Toluene-d8	8.647	98	179982	51.394	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 102.780%	
62) 4-Bromofluorobenzene	11.079	95	70167	55.007	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 110.020%	
Target Compounds						Qvalue
11) Tert butyl alcohol	2.965	59	413	2.332	ug/l #	72
16) Acetone	2.380	43	27649	51.088	ug/l	100
18) Methyl Acetate	2.703	43	2111	1.694	ug/l	95
20) Methylene Chloride	2.782	84	2938	2.900	ug/l	95
25) 2-Butanone	4.587	43	3178	4.012	ug/l #	89
31) Cyclohexane	5.550	56	2205	1.364	ug/l #	9
36) 1,1-Dichloropropene	5.550	75	7714	5.694	ug/l #	50
38) Carbon Tetrachloride	5.544	117	8567	5.851	ug/l #	15
43) Isopropyl Acetate	6.342	43	10066	3.890	ug/l	99
48) Methyl methacrylate	7.793	41	38243	28.626	ug/l #	50
51) 4-Methyl-2-Pentanone	8.549	43	37972	22.137	ug/l #	52
53) t-1,3-Dichloropropene	8.952	75	159	2.389	ug/l #	43
54) cis-1,3-Dichloropropene	8.549	75	13991	9.408	ug/l #	63
57) 1,3-Dichloropropane	9.476	76	1203	0.692	ug/l #	42
59) 2-Hexanone	9.378	43	13688	10.776	ug/l #	28
76) 1,2,3-Trichloropropane	11.079	75	40438	28.234	ug/l #	37
81) trans-1,4-Dichloro-2-b...	11.079	75	40438	95.824	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: VX045859.D

Acq: 18 Apr 2025 15:42

Instrument :

MSVOA_X

ClientSampleId :

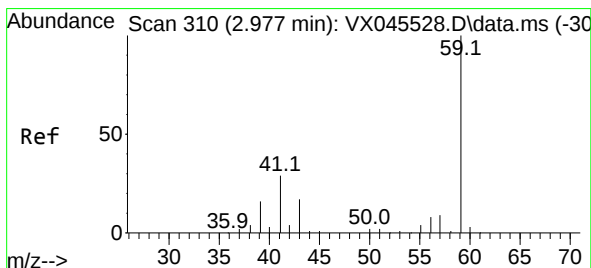
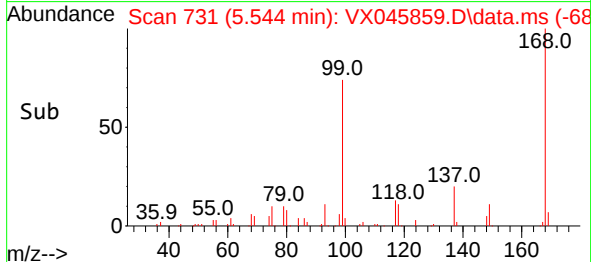
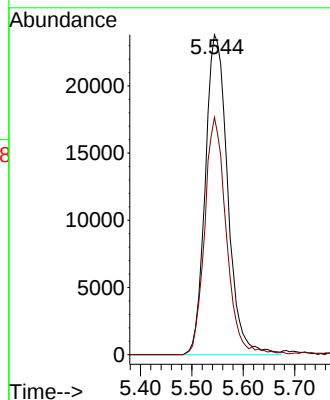
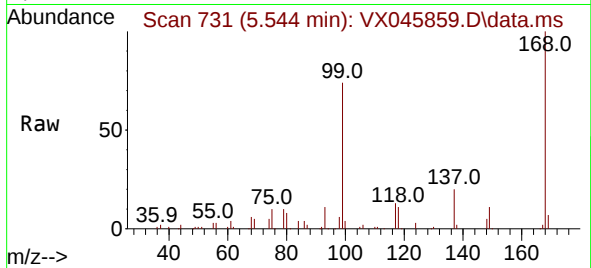
PL-714-COMP-04

Tgt Ion:168 Resp: 72071

Ion Ratio Lower Upper

168 100

99 74.2 52.3 78.5



#11

Tert butyl alcohol

Concen: 2.332 ug/l

RT: 2.965 min Scan# 308

Delta R.T. -0.012 min

Lab File: VX045859.D

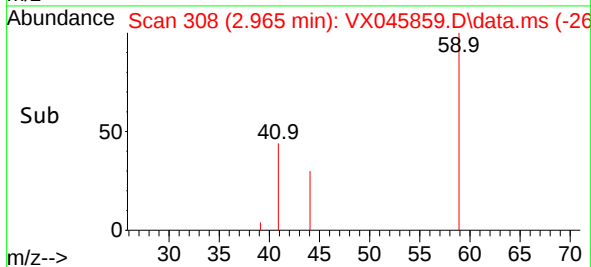
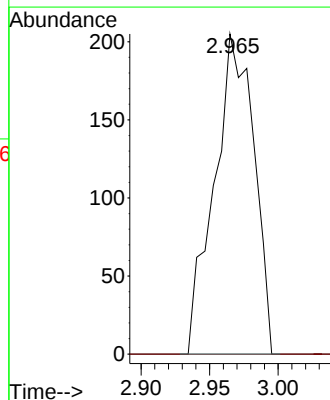
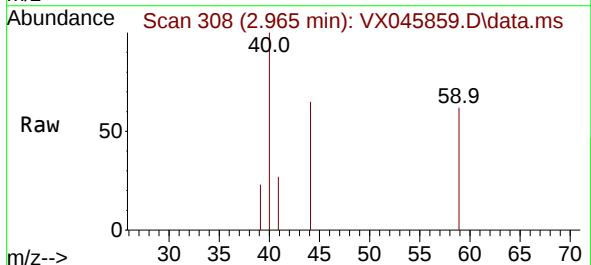
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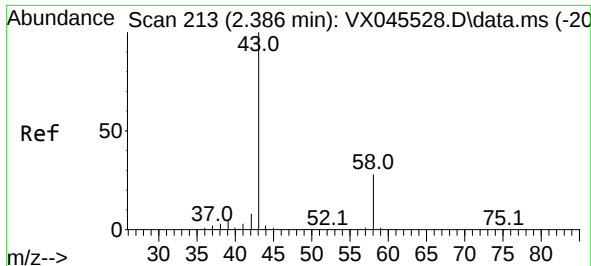
Tgt Ion: 59 Resp: 413

Ion Ratio Lower Upper

59 100

57 0.0 8.6 12.8#

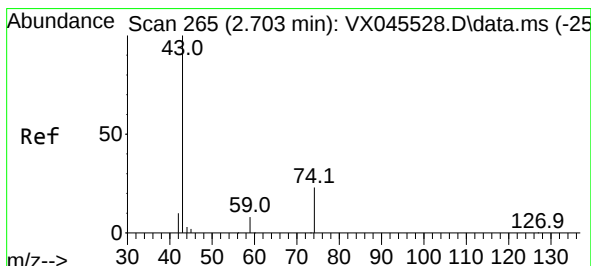
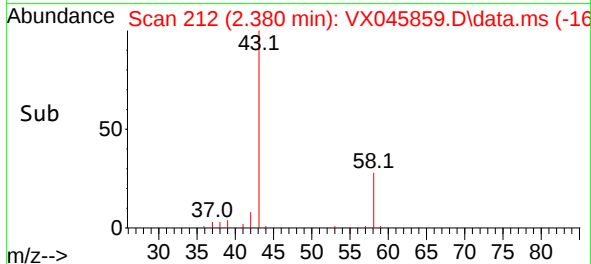
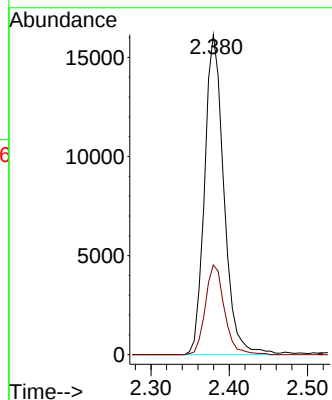
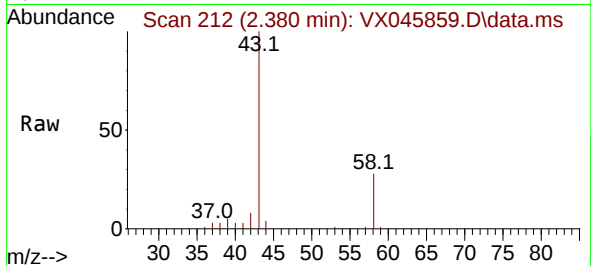




#16
Acetone
Concen: 51.088 ug/l
RT: 2.380 min Scan# 213
Delta R.T. -0.006 min
Lab File: VX045859.D
Acq: 18 Apr 2025 15:42

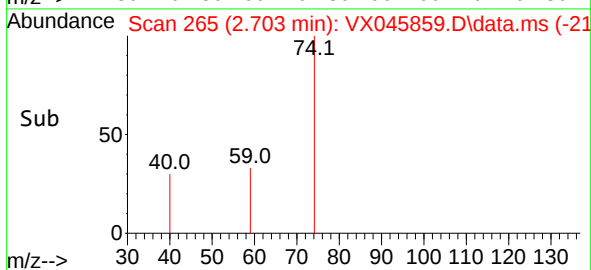
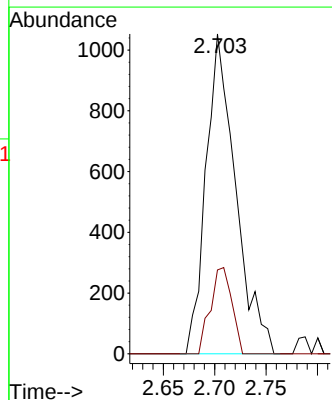
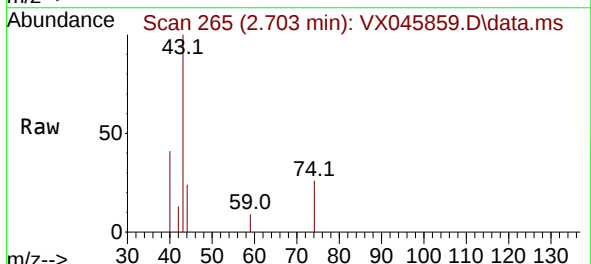
Instrument :
MSVOA_X
ClientSampleId :
PL-714-COMP-04

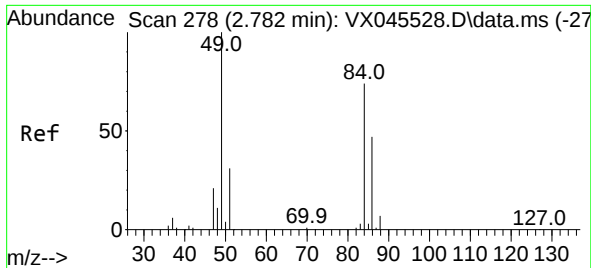
Tgt Ion: 43 Resp: 27649
Ion Ratio Lower Upper
43 100
58 28.0 22.3 33.5



#18
Methyl Acetate
Concen: 1.694 ug/l
RT: 2.703 min Scan# 265
Delta R.T. 0.000 min
Lab File: VX045859.D
Acq: 18 Apr 2025 15:42

Tgt Ion: 43 Resp: 2111
Ion Ratio Lower Upper
43 100
74 19.4 17.5 26.3

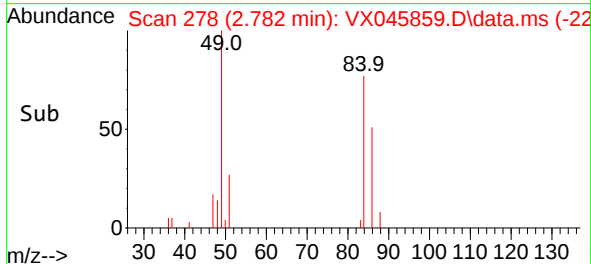
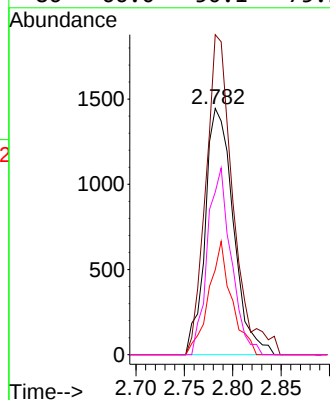
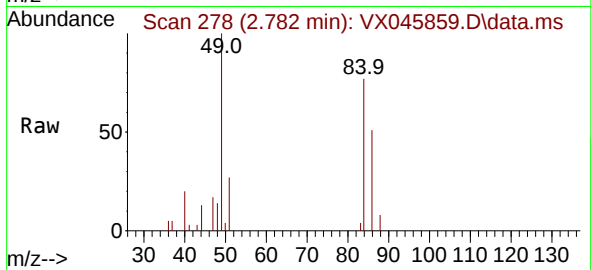




#20
Methylene Chloride
Concen: 2.900 ug/l
RT: 2.782 min Scan# 21
Delta R.T. 0.000 min
Lab File: VX045859.D
Acq: 18 Apr 2025 15:42

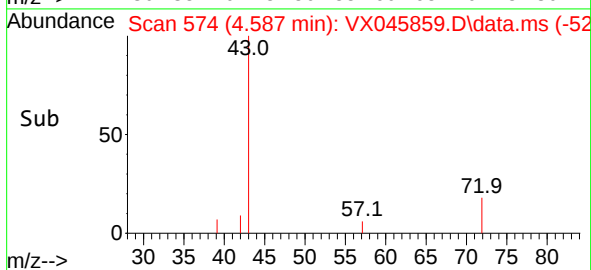
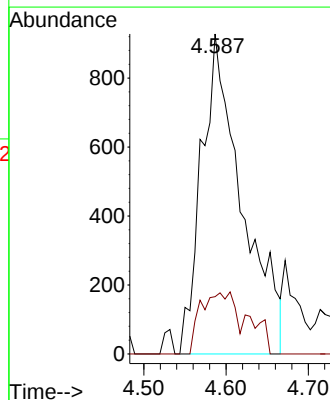
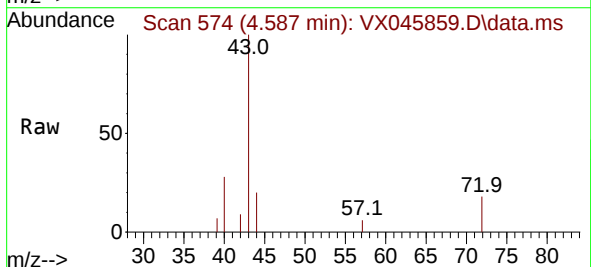
Instrument :
MSVOA_X
ClientSampleId :
PL-714-COMP-04

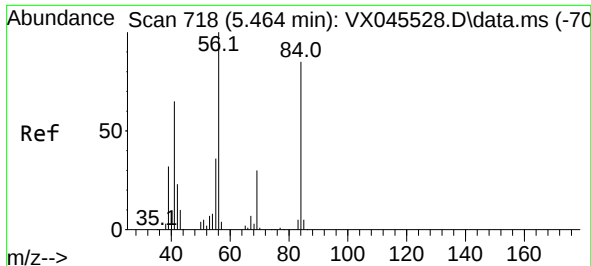
Tgt Ion:	84	Resp:	2938
Ion	Ratio	Lower	Upper
84	100		
49	130.0	107.5	161.3
51	34.5	33.0	49.6
86	66.0	50.1	75.1



#25
2-Butanone
Concen: 4.012 ug/l
RT: 4.587 min Scan# 574
Delta R.T. 0.030 min
Lab File: VX045859.D
Acq: 18 Apr 2025 15:42

Tgt Ion:	43	Resp:	3178
Ion	Ratio	Lower	Upper
43	100		
72	17.9	18.6	28.0#

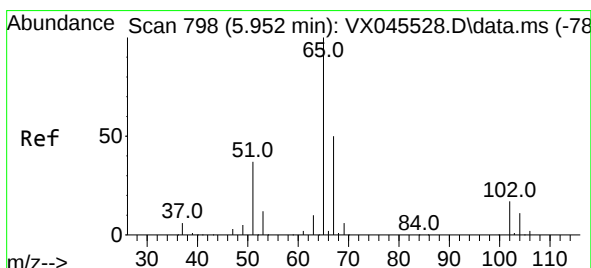
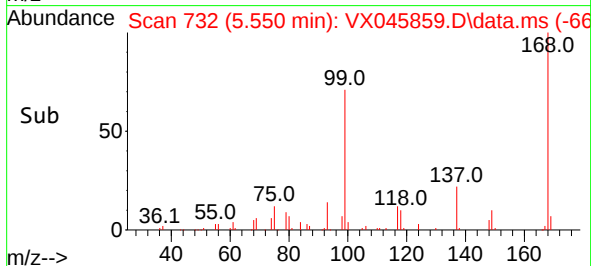
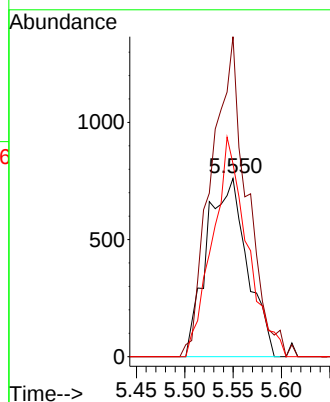
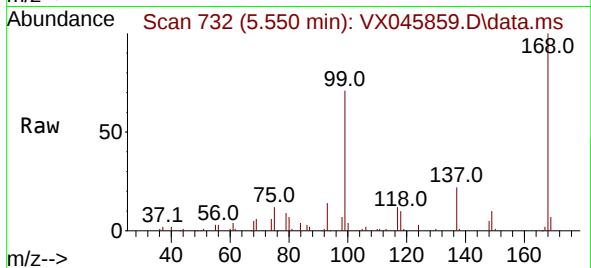




#31
Cyclohexane
Concen: 1.364 ug/l
RT: 5.550 min Scan# 718
Delta R.T. 0.085 min
Lab File: VX045859.D
Acq: 18 Apr 2025 15:42

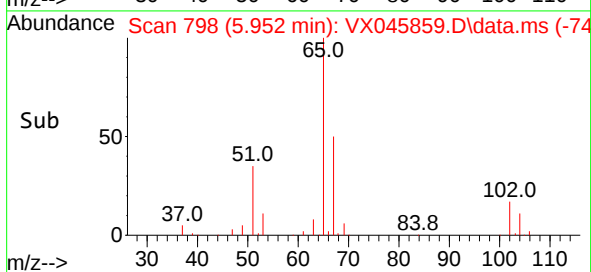
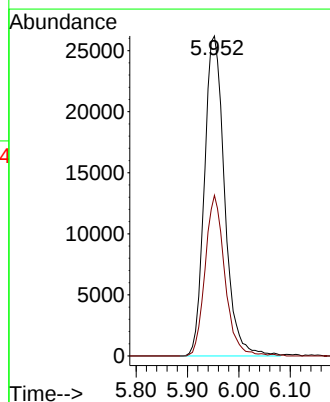
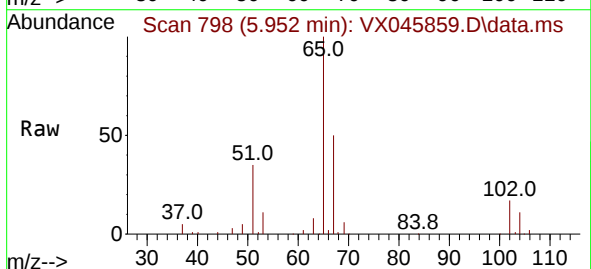
Instrument :
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ClientSampleId :
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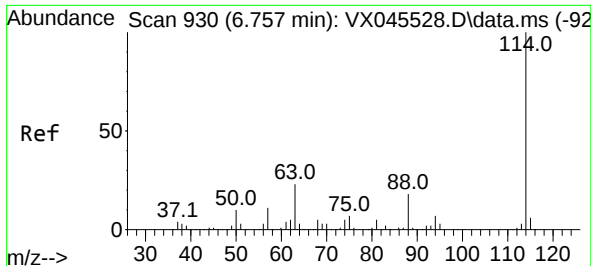
Tgt Ion: 56 Resp: 2205
Ion Ratio Lower Upper
56 100
69 179.5 23.6 35.4#
84 108.3 67.7 101.5#



#33
1,2-Dichloroethane-d4
Concen: 54.253 ug/l
RT: 5.952 min Scan# 798
Delta R.T. 0.000 min
Lab File: VX045859.D
Acq: 18 Apr 2025 15:42

Tgt Ion: 65 Resp: 71505
Ion Ratio Lower Upper
65 100
67 48.9 0.0 99.0

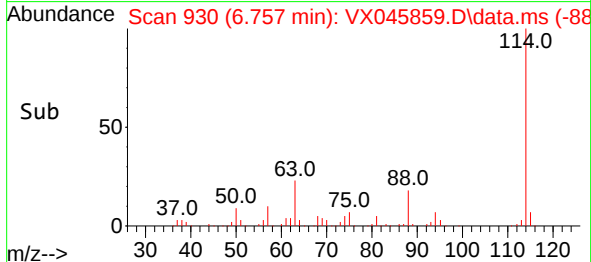
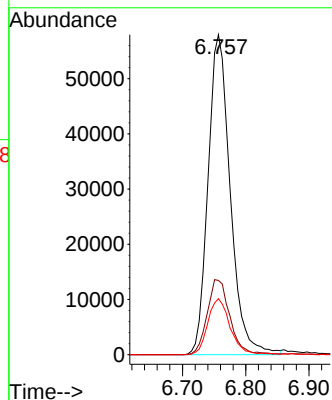
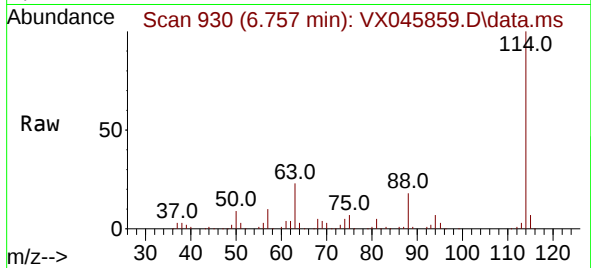




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 91
Delta R.T. 0.000 min
Lab File: VX045859.D
Acq: 18 Apr 2025 15:42

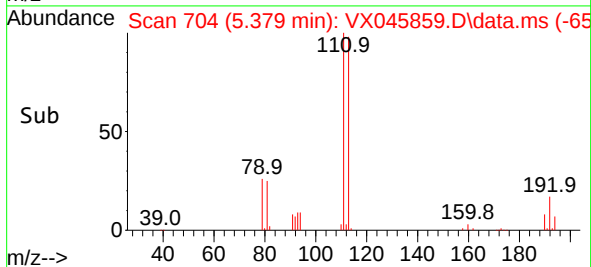
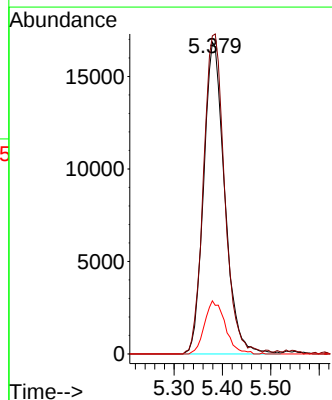
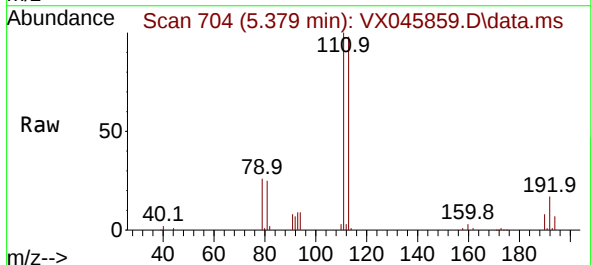
Instrument :
MSVOA_X
ClientSampleId :
PL-714-COMP-04

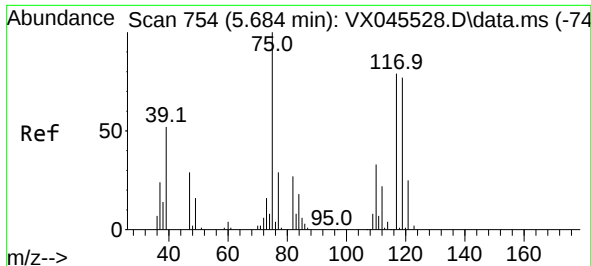
Tgt Ion:114 Resp: 141413
Ion Ratio Lower Upper
114 100
63 23.2 0.0 46.8
88 17.5 0.0 35.4



#35
Dibromofluoromethane
Concen: 50.745 ug/l
RT: 5.379 min Scan# 704
Delta R.T. 0.000 min
Lab File: VX045859.D
Acq: 18 Apr 2025 15:42

Tgt Ion:113 Resp: 50914
Ion Ratio Lower Upper
113 100
111 103.1 81.8 122.6
192 16.8 13.8 20.6





#36

1,1-Dichloropropene

Concen: 5.694 ug/l

RT: 5.550 min Scan# 71

Delta R.T. -0.134 min

Lab File: VX045859.D

Acq: 18 Apr 2025 15:42

Instrument :

MSVOA_X

ClientSampleId :

PL-714-COMP-04

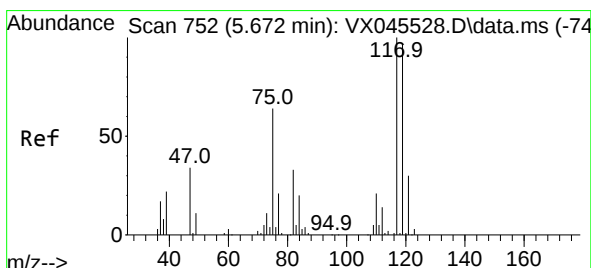
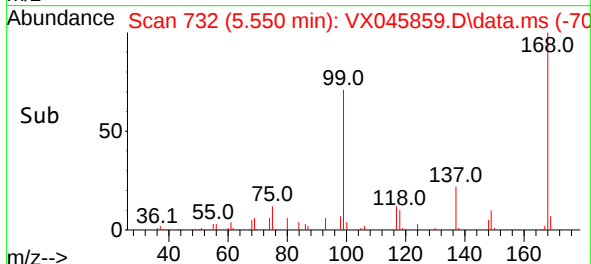
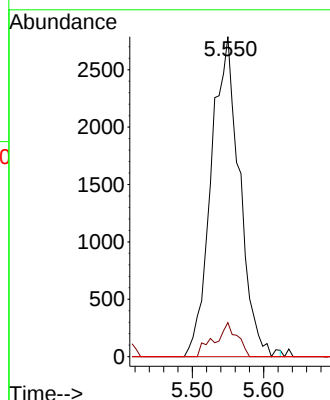
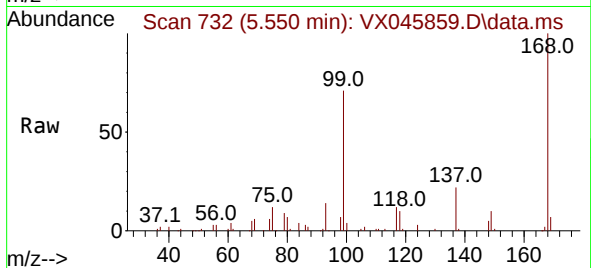
Tgt Ion: 75 Resp: 7714

Ion Ratio Lower Upper

75 100

110 8.3 16.9 50.6#

77 0.0 25.0 37.4#



#38

Carbon Tetrachloride

Concen: 5.851 ug/l

RT: 5.544 min Scan# 731

Delta R.T. -0.128 min

Lab File: VX045859.D

Acq: 18 Apr 2025 15:42

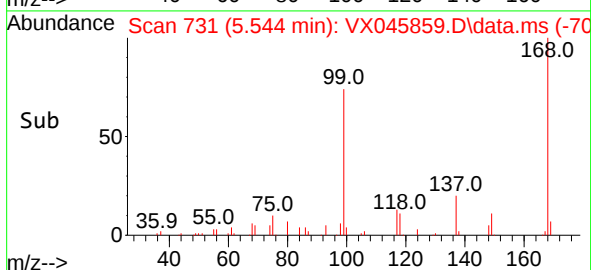
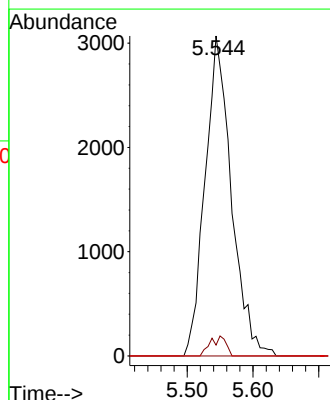
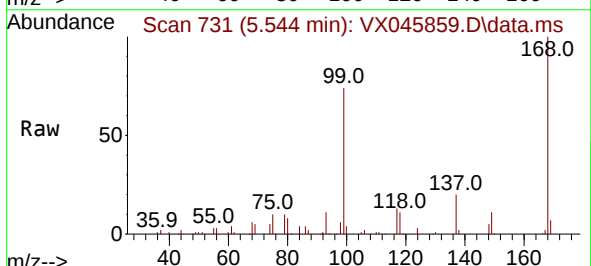
Tgt Ion: 117 Resp: 8567

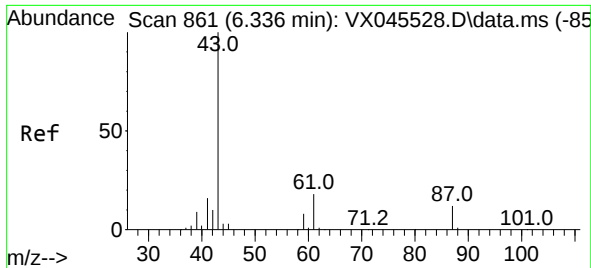
Ion Ratio Lower Upper

117 100

119 3.4 76.9 115.3#

121 0.0 24.2 36.2#

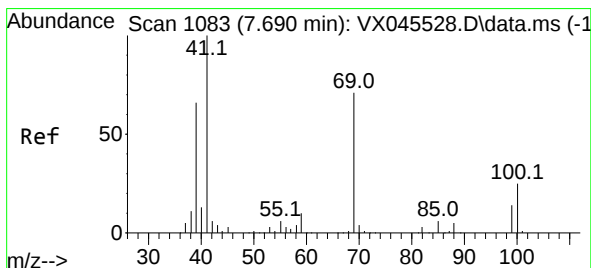
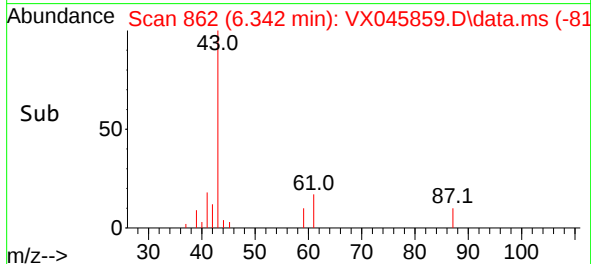
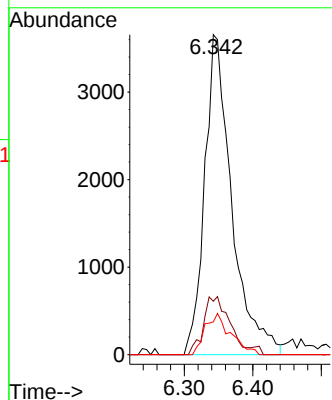
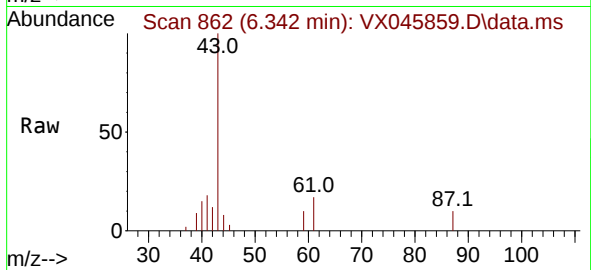




#43
Isopropyl Acetate
Concen: 3.890 ug/l
RT: 6.342 min Scan# 81
Delta R.T. 0.006 min
Lab File: VX045859.D
Acq: 18 Apr 2025 15:42

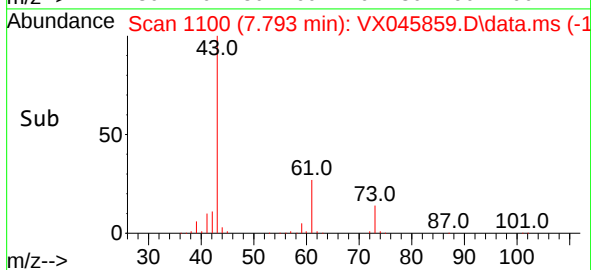
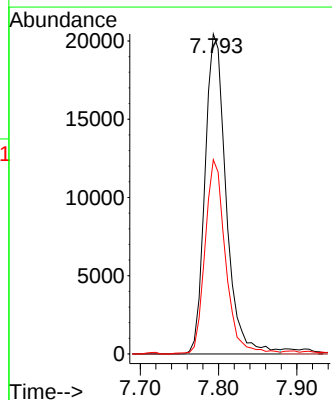
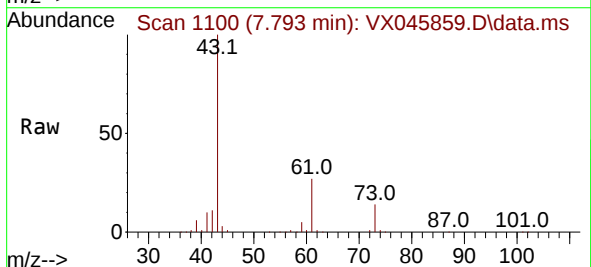
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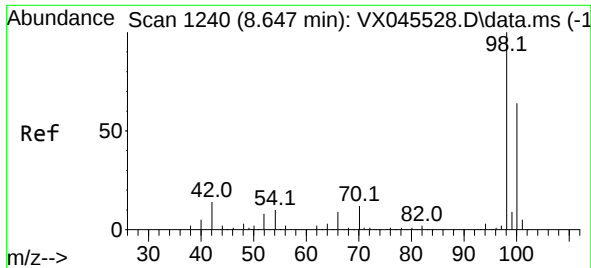
Tgt Ion: 43 Resp: 10066
Ion Ratio Lower Upper
43 100
61 17.5 14.1 21.1
87 12.1 9.2 13.8



#48
Methyl methacrylate
Concen: 28.626 ug/l
RT: 7.793 min Scan# 1100
Delta R.T. 0.104 min
Lab File: VX045859.D
Acq: 18 Apr 2025 15:42

Tgt Ion: 41 Resp: 38243
Ion Ratio Lower Upper
41 100
69 0.0 58.2 87.2#
39 59.0 53.6 80.4

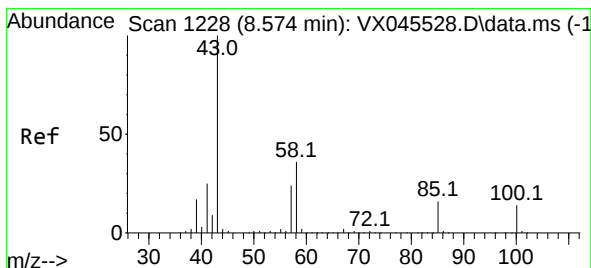
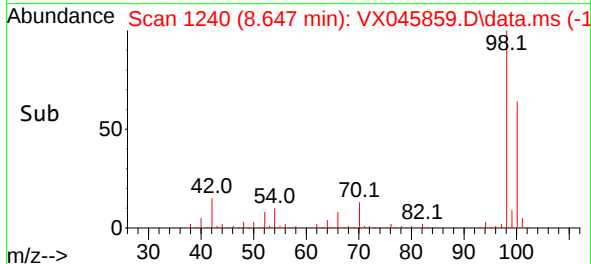
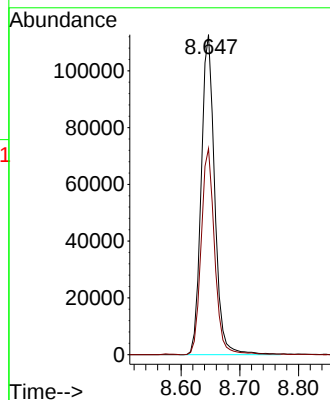
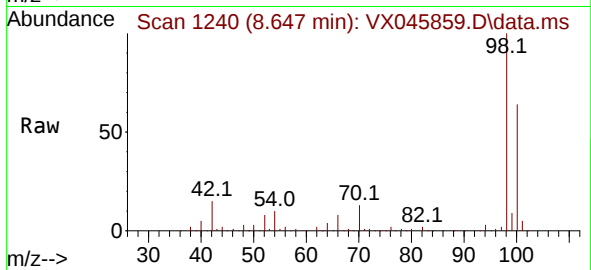




#50
Toluene-d8
Concen: 51.394 ug/l
RT: 8.647 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX045859.D
Acq: 18 Apr 2025 15:42

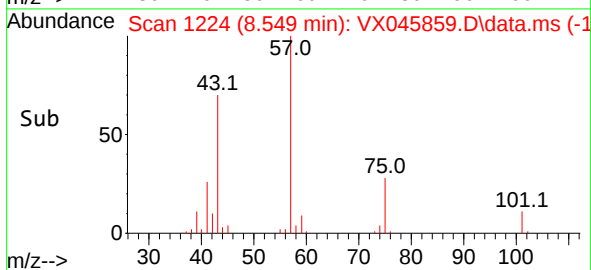
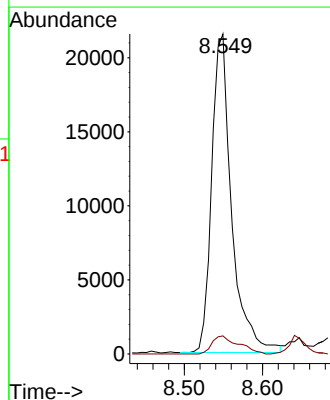
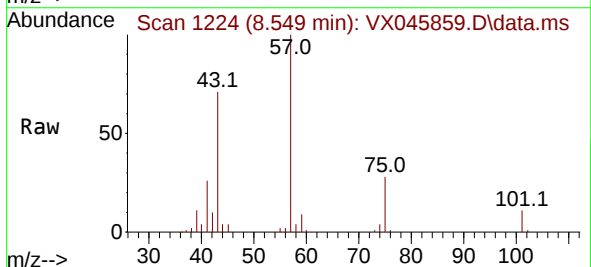
Instrument :
MSVOA_X
ClientSampleId :
PL-714-COMP-04

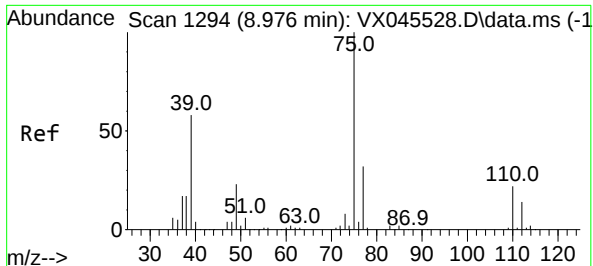
Tgt Ion: 98 Resp: 179982
Ion Ratio Lower Upper
98 100
100 64.5 52.2 78.4



#51
4-Methyl-2-Pentanone
Concen: 22.137 ug/l
RT: 8.549 min Scan# 1224
Delta R.T. -0.024 min
Lab File: VX045859.D
Acq: 18 Apr 2025 15:42

Tgt Ion: 43 Resp: 37972
Ion Ratio Lower Upper
43 100
58 7.6 28.5 42.7#





#53

t-1,3-Dichloropropene

Concen: 2.389 ug/l

RT: 8.952 min Scan# 11

Delta R.T. -0.024 min

Lab File: VX045859.D

Acq: 18 Apr 2025 15:42

Instrument :

MSVOA_X

ClientSampleId :

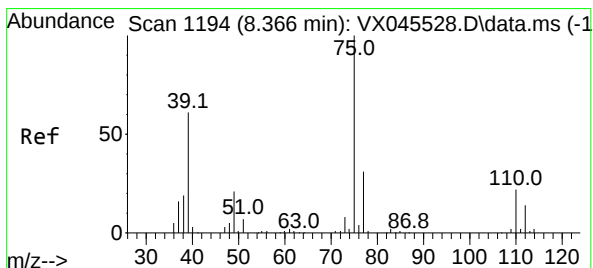
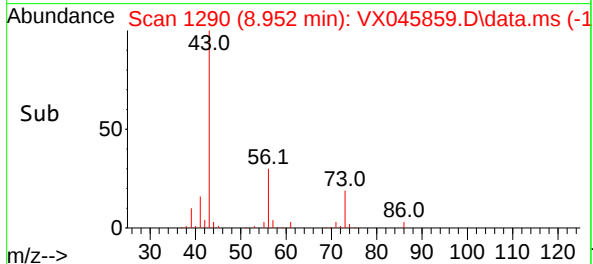
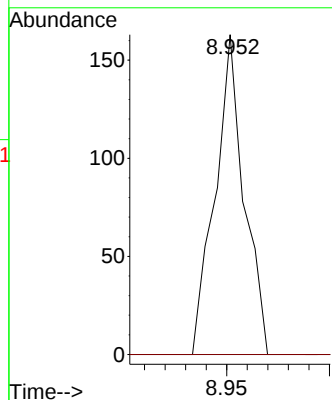
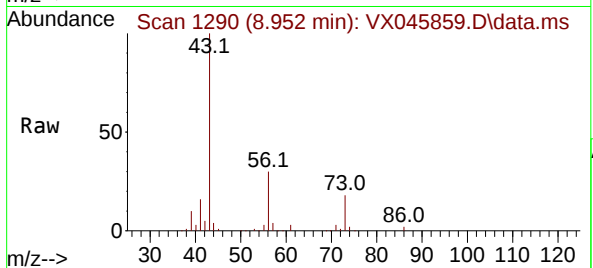
PL-714-COMP-04

Tgt Ion: 75 Resp: 159

Ion Ratio Lower Upper

75 100

77 0.0 25.4 38.0#



#54

cis-1,3-Dichloropropene

Concen: 9.408 ug/l

RT: 8.549 min Scan# 1224

Delta R.T. 0.183 min

Lab File: VX045859.D

Acq: 18 Apr 2025 15:42

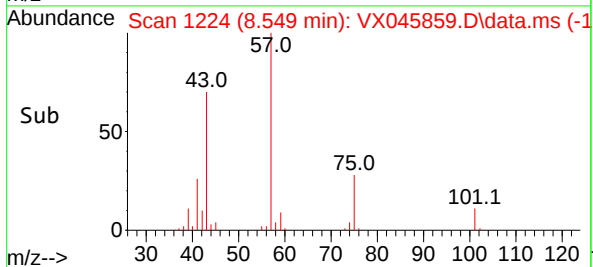
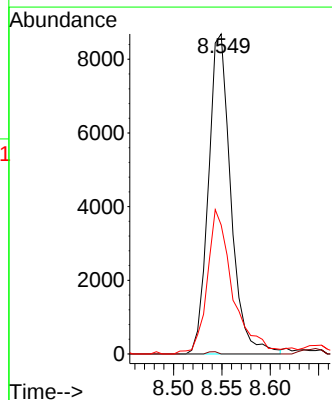
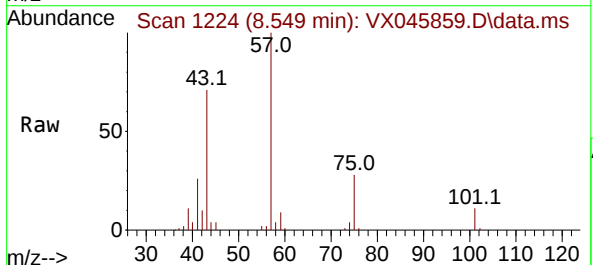
Tgt Ion: 75 Resp: 13991

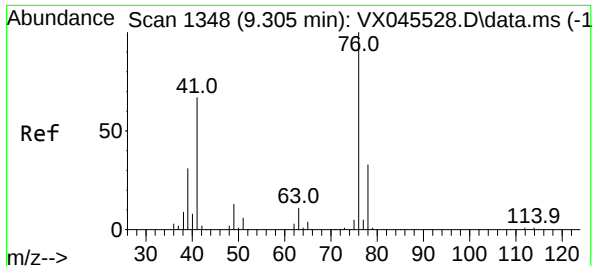
Ion Ratio Lower Upper

75 100

77 0.0 24.6 36.8#

39 39.4 48.4 72.6#





#57

1,3-Dichloropropane

Concen: 0.692 ug/l

RT: 9.476 min Scan# 11

Delta R.T. 0.171 min

Lab File: VX045859.D

Acq: 18 Apr 2025 15:42

Instrument :

MSVOA_X

ClientSampleId :

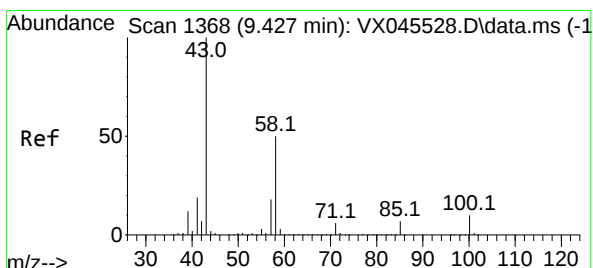
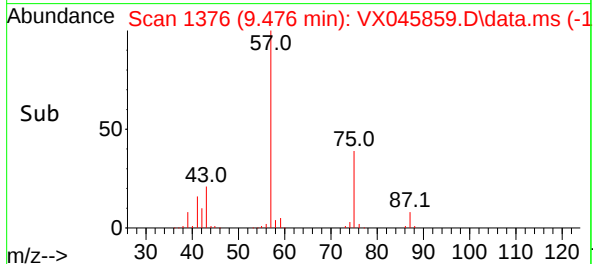
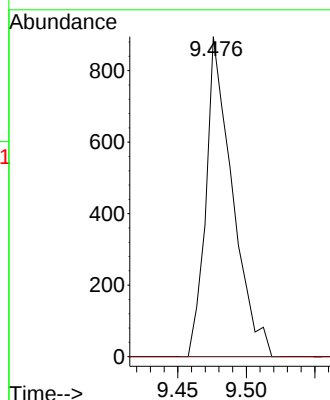
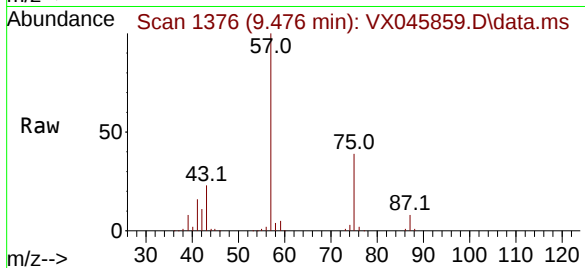
PL-714-COMP-04

Tgt Ion: 76 Resp: 1203

Ion Ratio Lower Upper

76 100

78 0.0 26.0 39.0#



#59

2-Hexanone

Concen: 10.776 ug/l

RT: 9.378 min Scan# 1360

Delta R.T. -0.049 min

Lab File: VX045859.D

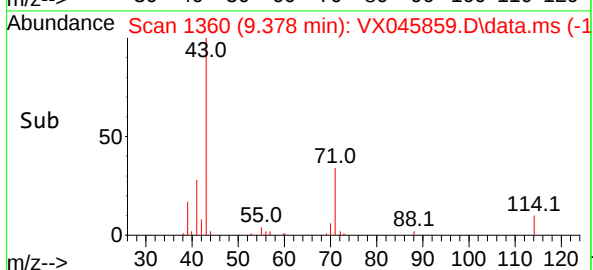
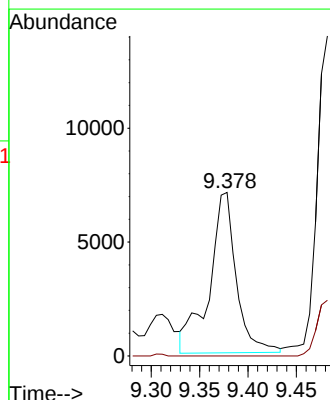
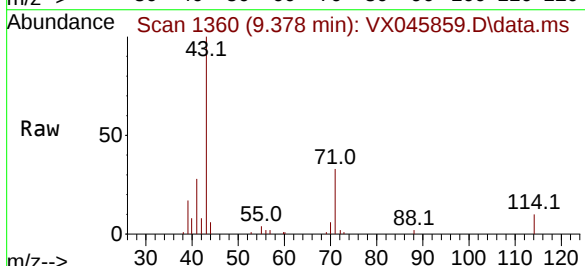
Acq: 18 Apr 2025 15:42

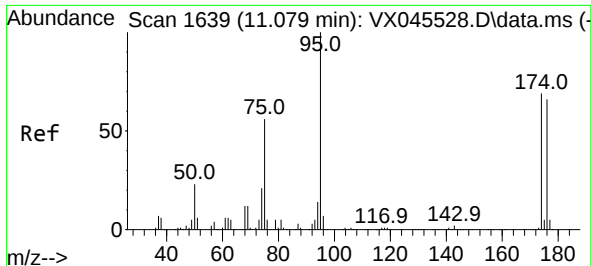
Tgt Ion: 43 Resp: 13688

Ion Ratio Lower Upper

43 100

58 0.0 24.9 74.6#

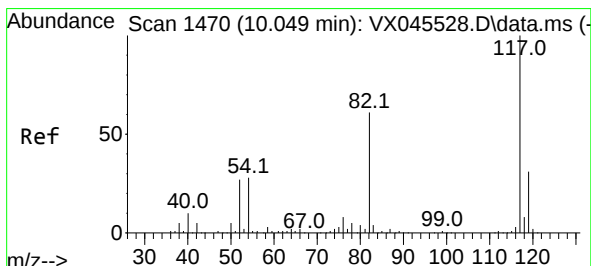
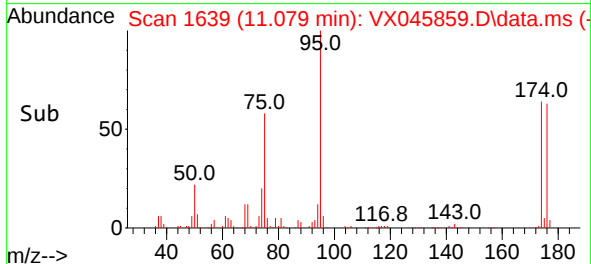
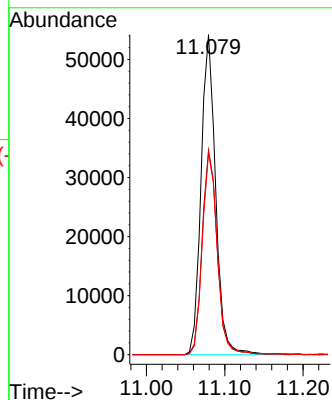
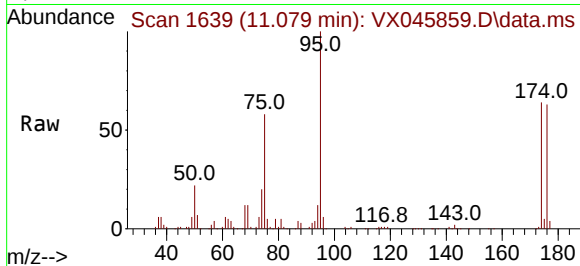




#62
4-Bromofluorobenzene
Concen: 55.007 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045859.D
Acq: 18 Apr 2025 15:42

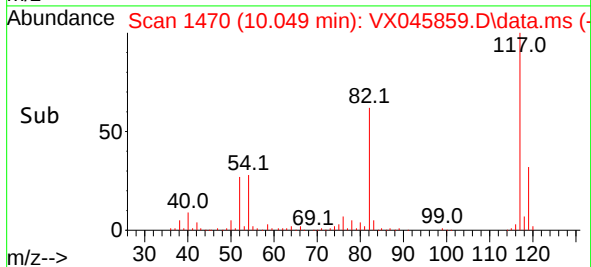
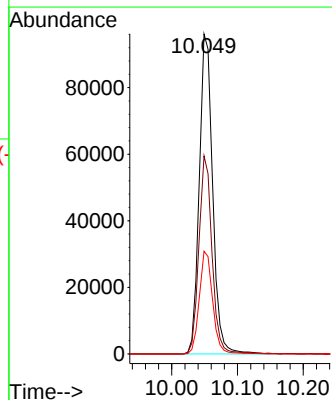
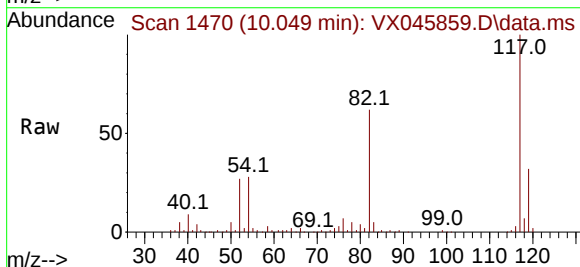
Instrument :
MSVOA_X
ClientSampleId :
PL-714-COMP-04

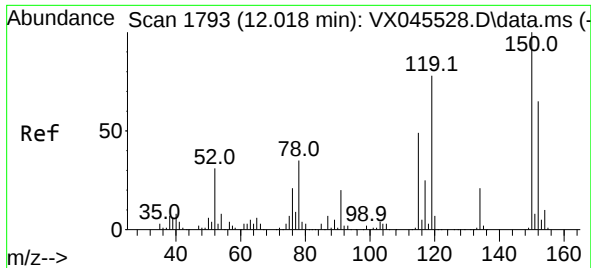
Tgt Ion: 95 Resp: 70167
Ion Ratio Lower Upper
95 100
174 65.8 0.0 135.8
176 64.7 0.0 131.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 1470
Delta R.T. 0.000 min
Lab File: VX045859.D
Acq: 18 Apr 2025 15:42

Tgt Ion: 117 Resp: 135825
Ion Ratio Lower Upper
117 100
82 61.9 49.2 73.8
119 32.1 25.1 37.7

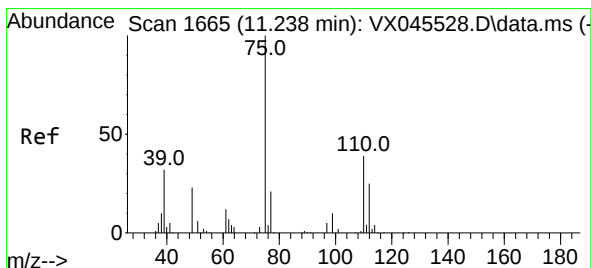
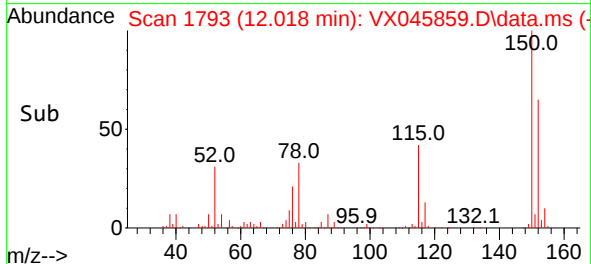
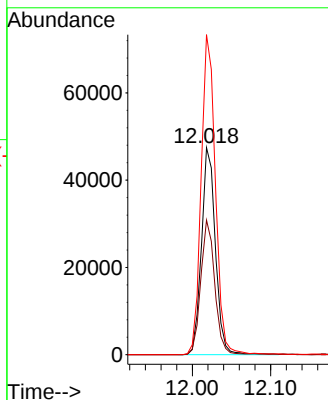
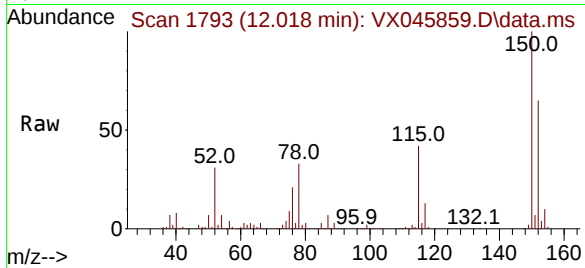




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.018 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: VX045859.D
 Acq: 18 Apr 2025 15:42

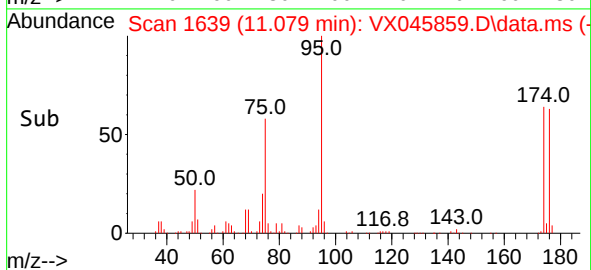
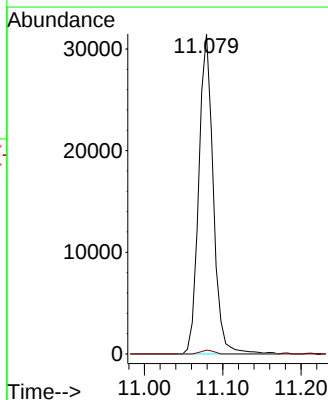
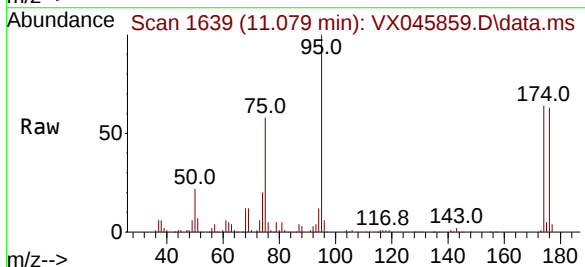
Instrument :
 MSVOA_X
 ClientSampleId :
 PL-714-COMP-04

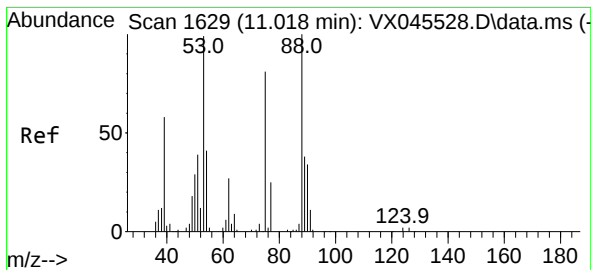
Tgt Ion:152 Resp: 58716
 Ion Ratio Lower Upper
 152 100
 115 65.7 46.9 140.7
 150 158.6 0.0 349.4



#76
 1,2,3-Trichloropropane
 Concen: 28.234 ug/l
 RT: 11.079 min Scan# 1639
 Delta R.T. -0.159 min
 Lab File: VX045859.D
 Acq: 18 Apr 2025 15:42

Tgt Ion: 75 Resp: 40438
 Ion Ratio Lower Upper
 75 100
 77 1.1 20.0 59.9#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 95.824 ug/l
 RT: 11.079 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX045859.D
 Acq: 18 Apr 2025 15:42

Instrument :
 MSVOA_X
 ClientSampleId :
 PL-714-COMP-04

Tgt Ion: 75 Resp: 40438
 Ion Ratio Lower Upper
 75 100
 53 0.0 101.8 152.6#
 89 0.0 37.2 55.8#

