

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX042425\
 Data File : VX045921.D
 Acq On : 24 Apr 2025 12:51
 Operator : JC/MD
 Sample : PB167707ZHE#02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB167707ZHE#02

Quant Time: Apr 25 02:26:34 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)

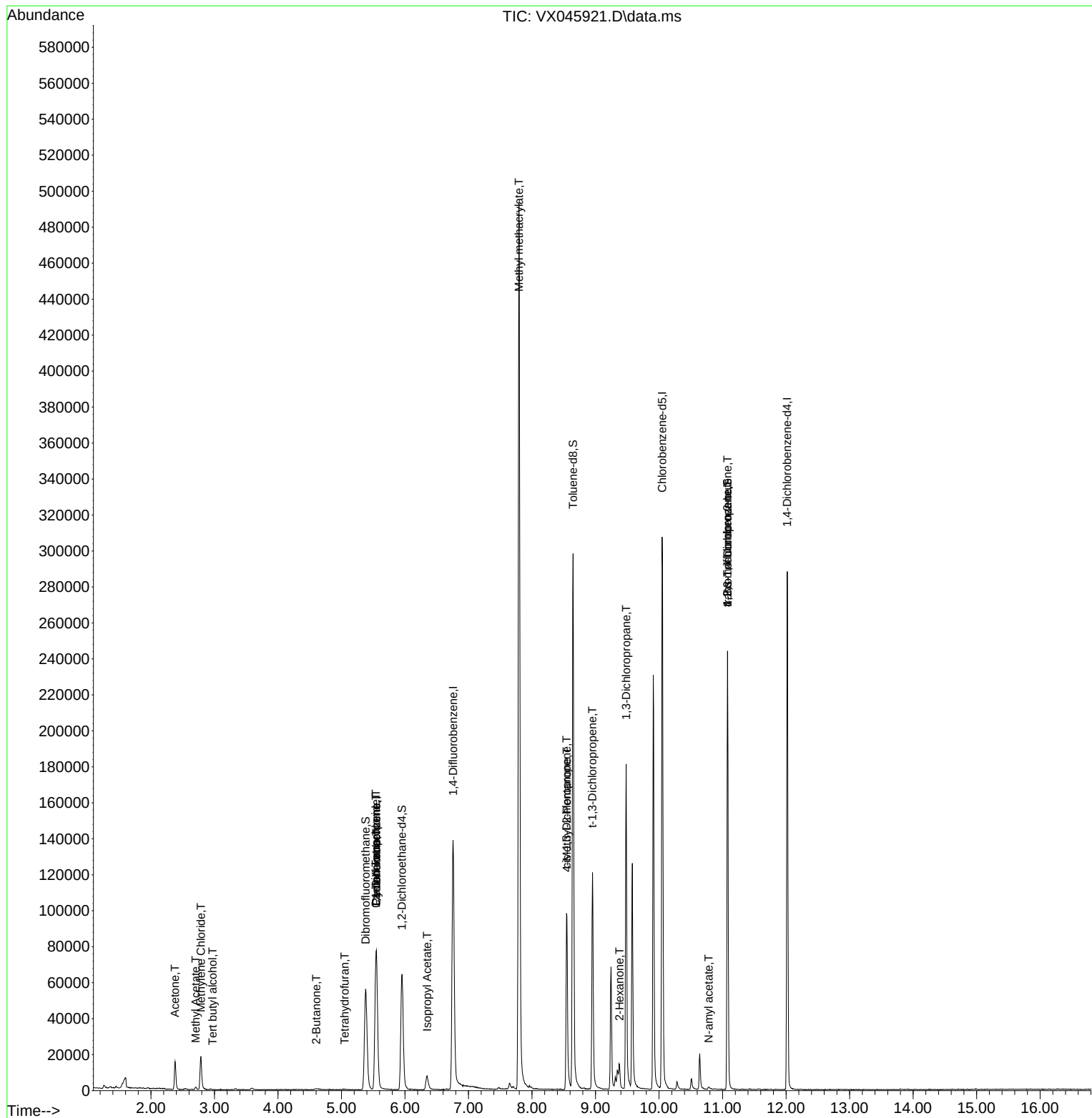
Internal Standards						
1) Pentafluorobenzene	5.550	168	68604	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	133317	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	126543	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	52303	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	66691	53.158	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 106.320%	
35) Dibromofluoromethane	5.379	113	47953	50.696	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 101.400%	
50) Toluene-d8	8.647	98	171260	51.873	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 103.740%	
62) 4-Bromofluorobenzene	11.079	95	62904	52.308	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 104.620%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	2.971	59	51	0.302	ug/l #	72
16) Acetone	2.379	43	17079	33.152	ug/l	94
18) Methyl Acetate	2.703	43	1866	1.573	ug/l	99
20) Methylene Chloride	2.788	84	8221	8.524	ug/l	97
25) 2-Butanone	4.605	43	1134	1.504	ug/l #	89
29) Tetrahydrofuran	5.050	42	285	0.583	ug/l #	35
31) Cyclohexane	5.550	56	2024	1.315	ug/l #	14
36) 1,1-Dichloropropene	5.543	75	6800	5.324	ug/l #	49
38) Carbon Tetrachloride	5.543	117	7991	5.789	ug/l #	14
43) Isopropyl Acetate	6.348	43	11245	4.610	ug/l	99
48) Methyl methacrylate	7.793	41	49127	39.006	ug/l #	50
51) 4-Methyl-2-Pentanone	8.549	43	39203	24.243	ug/l #	51
53) t-1,3-Dichloropropene	8.951	75	214	2.431	ug/l #	43
54) cis-1,3-Dichloropropene	8.543	75	15116	10.782	ug/l #	67
57) 1,3-Dichloropropane	9.482	76	1470	0.898	ug/l #	42
59) 2-Hexanone	9.378	43	13024	10.876	ug/l #	28
74) N-amyl acetate	10.780	43	999	0.498	ug/l #	47
76) 1,2,3-Trichloropropane	11.079	75	36720	28.782	ug/l #	37
81) trans-1,4-Dichloro-2-b...	11.079	75	36720	97.683	ug/l #	1

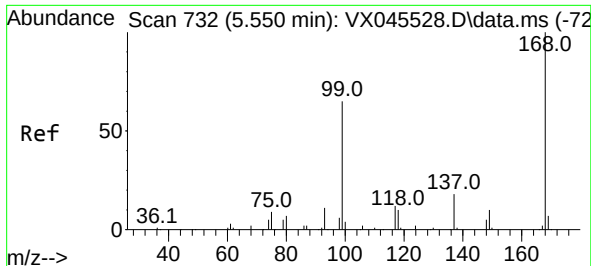
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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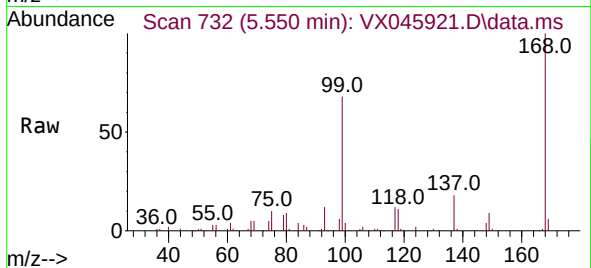
Quant Time: Apr 25 02:26:34 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X040225W.M
Quant Title : SW846 8260
QLast Update : Wed Apr 02 03:11:43 2025
Response via : Initial Calibration



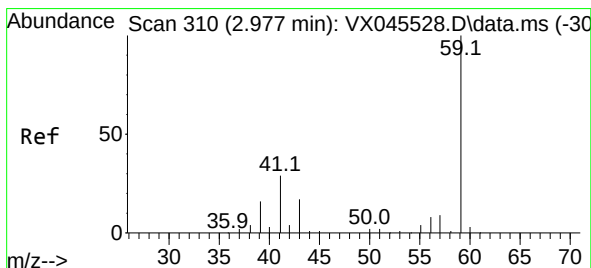
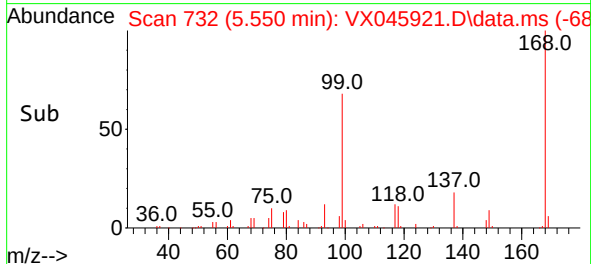
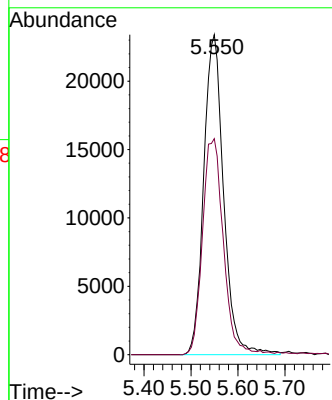


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX045921.D
Acq: 24 Apr 2025 12:51

Instrument :
MSVOA_X
ClientSampleId :
PB167707ZHE#02

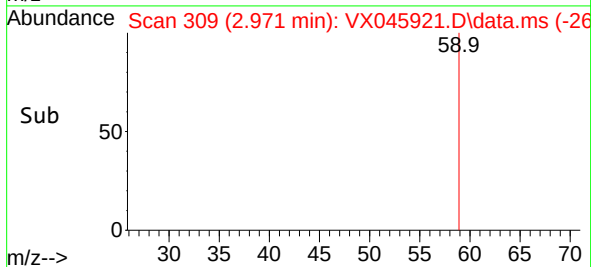
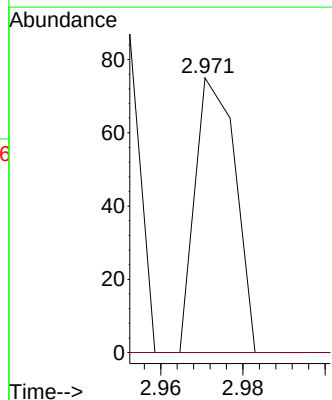
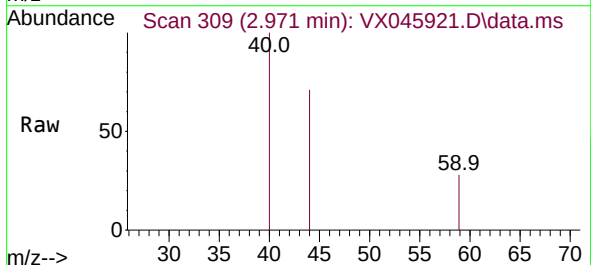


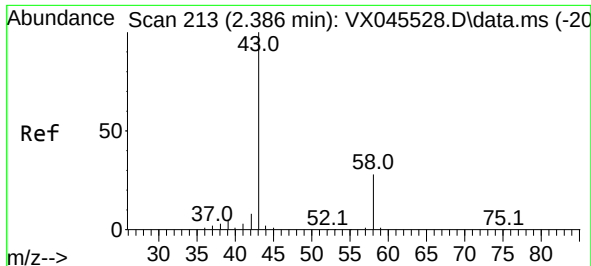
Tgt Ion:168 Resp: 68604
Ion Ratio Lower Upper
168 100
99 67.5 52.3 78.5



#11
Tert butyl alcohol
Concen: 0.302 ug/l
RT: 2.971 min Scan# 309
Delta R.T. -0.006 min
Lab File: VX045921.D
Acq: 24 Apr 2025 12:51

Tgt Ion: 59 Resp: 51
Ion Ratio Lower Upper
59 100
57 0.0 8.6 12.8#

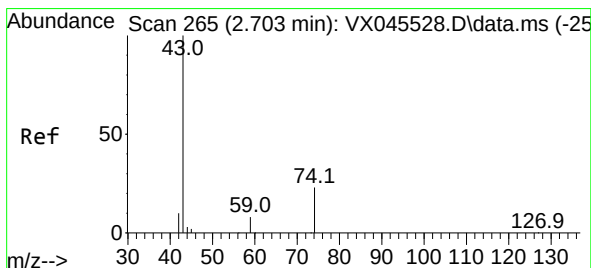
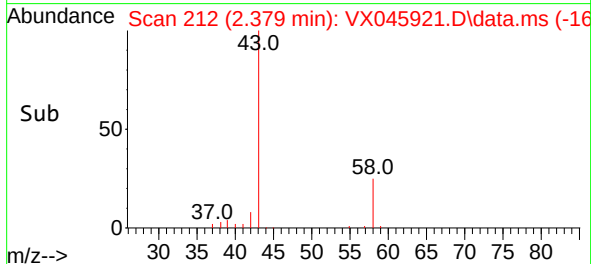
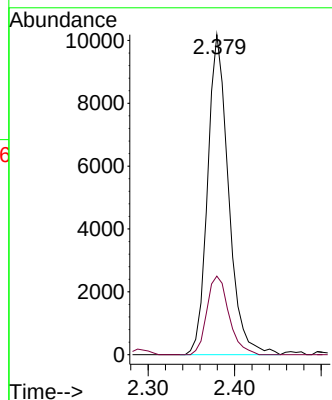
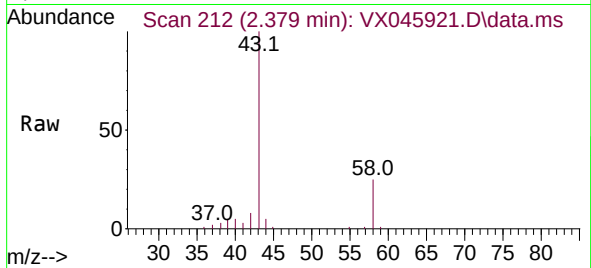




#16
Acetone
Concen: 33.152 ug/l
RT: 2.379 min Scan# 213
Delta R.T. -0.006 min
Lab File: VX045921.D
Acq: 24 Apr 2025 12:51

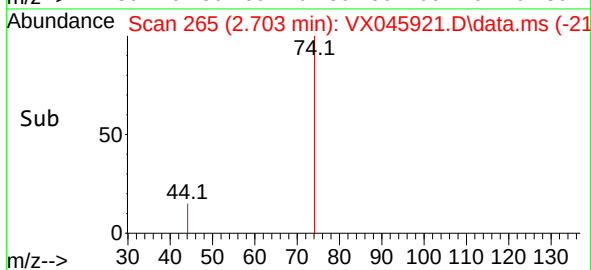
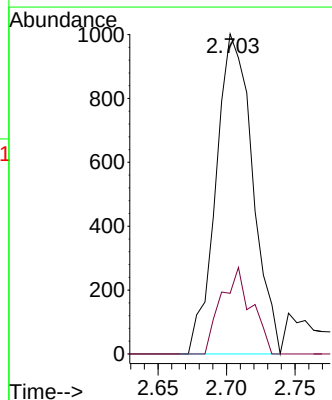
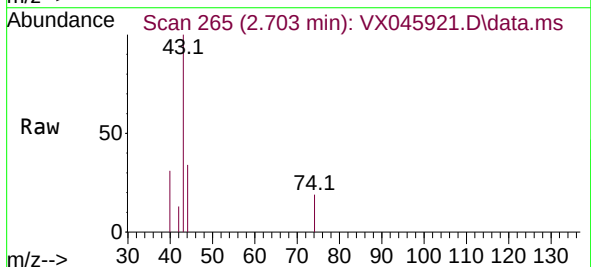
Instrument :
MSVOA_X
ClientSampleId :
PB167707ZHE#02

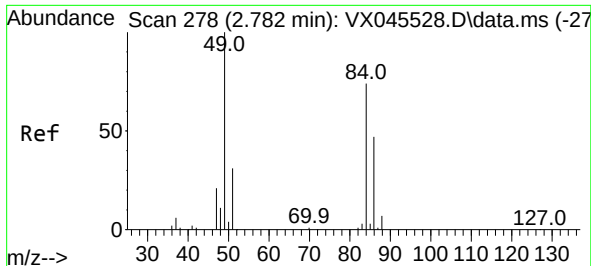
Tgt Ion: 43 Resp: 17079
Ion Ratio Lower Upper
43 100
58 24.5 22.3 33.5



#18
Methyl Acetate
Concen: 1.573 ug/l
RT: 2.703 min Scan# 265
Delta R.T. -0.000 min
Lab File: VX045921.D
Acq: 24 Apr 2025 12:51

Tgt Ion: 43 Resp: 1866
Ion Ratio Lower Upper
43 100
74 22.3 17.5 26.3





#20

Methylene Chloride

Concen: 8.524 ug/l

RT: 2.788 min Scan# 21

Delta R.T. 0.006 min

Lab File: VX045921.D

Acq: 24 Apr 2025 12:51

Instrument :

MSVOA_X

ClientSampleId :

PB167707ZHE#02

Tgt Ion: 84 Resp: 8221

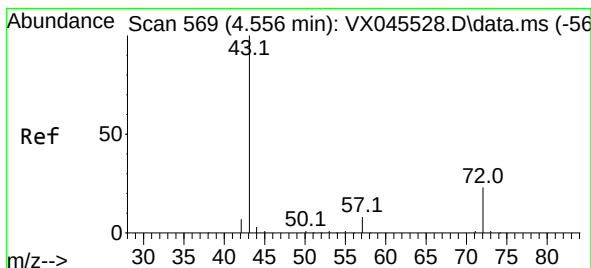
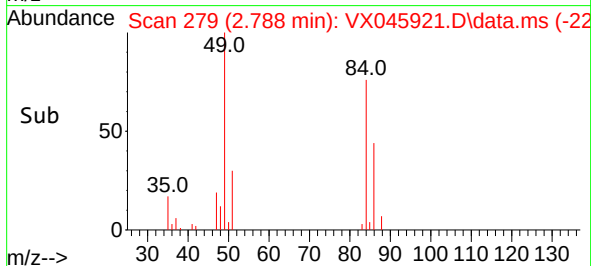
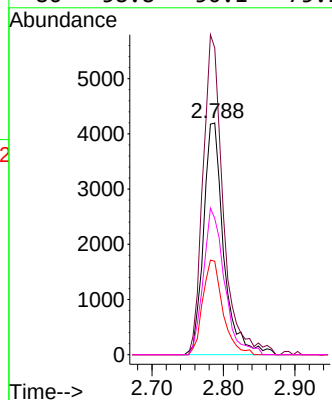
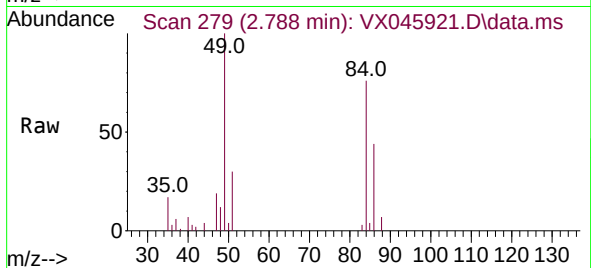
Ion Ratio Lower Upper

84 100

49 132.3 107.5 161.3

51 40.3 33.0 49.6

86 58.8 50.1 75.1



#25

2-Butanone

Concen: 1.504 ug/l

RT: 4.605 min Scan# 577

Delta R.T. 0.049 min

Lab File: VX045921.D

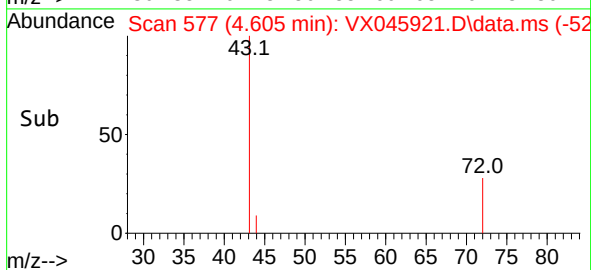
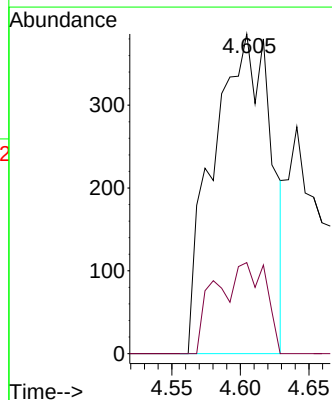
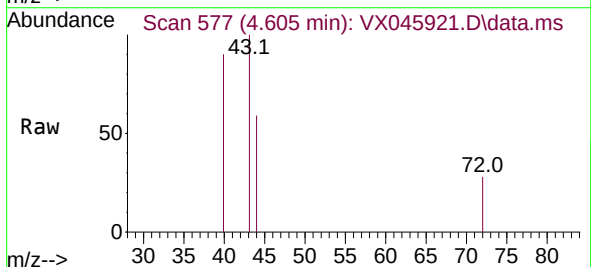
Acq: 24 Apr 2025 12:51

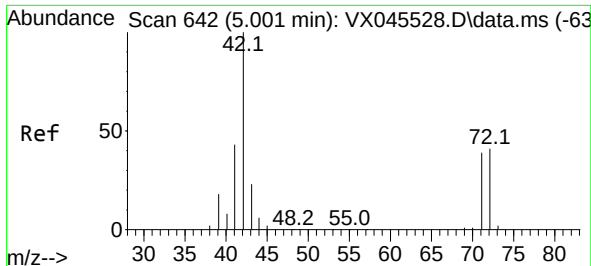
Tgt Ion: 43 Resp: 1134

Ion Ratio Lower Upper

43 100

72 28.5 18.6 28.0#





#29

Tetrahydrofuran

Concen: 0.583 ug/l

RT: 5.050 min Scan# 61

Delta R.T. 0.049 min

Lab File: VX045921.D

Acq: 24 Apr 2025 12:51

Instrument :

MSVOA_X

ClientSampleId :

PB167707ZHE#02

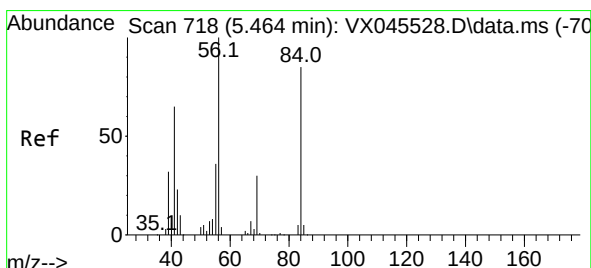
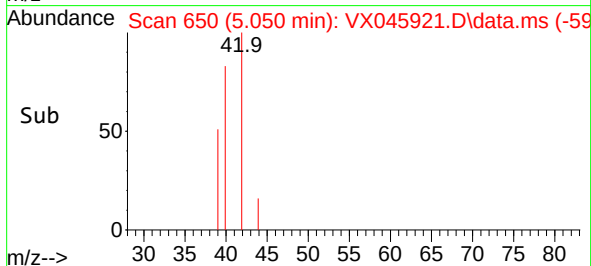
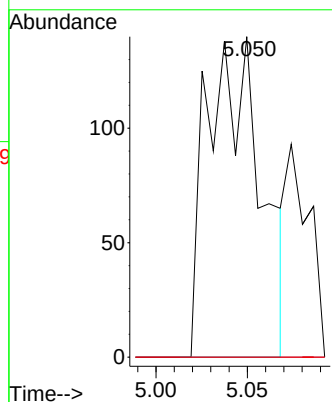
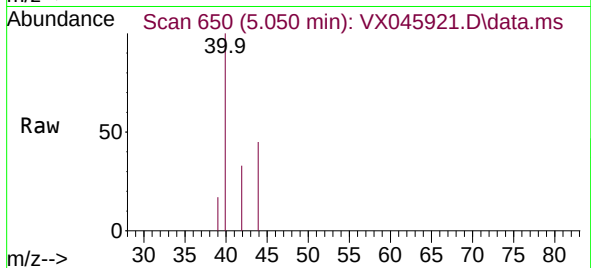
Tgt Ion: 42 Resp: 285

Ion Ratio Lower Upper

42 100

72 0.0 33.4 50.0#

71 0.0 31.4 47.0#



#31

Cyclohexane

Concen: 1.315 ug/l

RT: 5.550 min Scan# 732

Delta R.T. 0.085 min

Lab File: VX045921.D

Acq: 24 Apr 2025 12:51

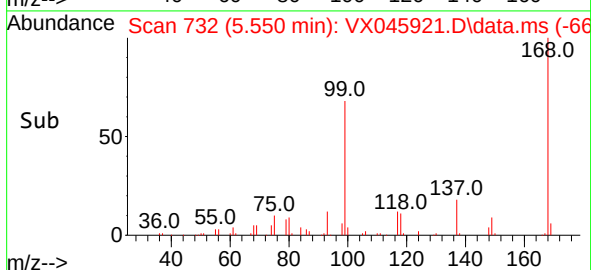
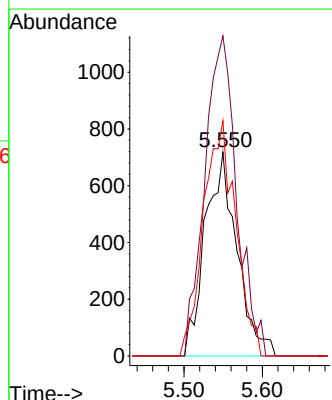
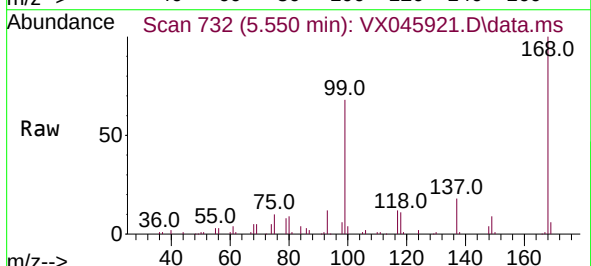
Tgt Ion: 56 Resp: 2024

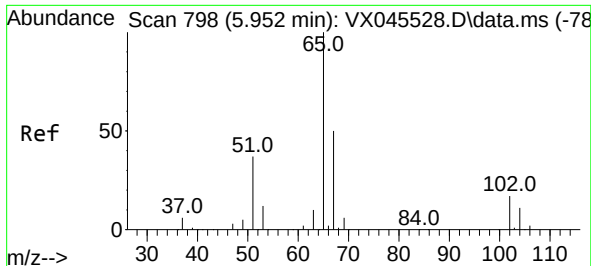
Ion Ratio Lower Upper

56 100

69 157.1 23.6 35.4#

84 115.5 67.7 101.5#





#33

1,2-Dichloroethane-d4

Concen: 53.158 ug/l

RT: 5.952 min Scan# 798

Delta R.T. -0.000 min

Lab File: VX045921.D

Acq: 24 Apr 2025 12:51

Instrument :

MSVOA_X

ClientSampleId :

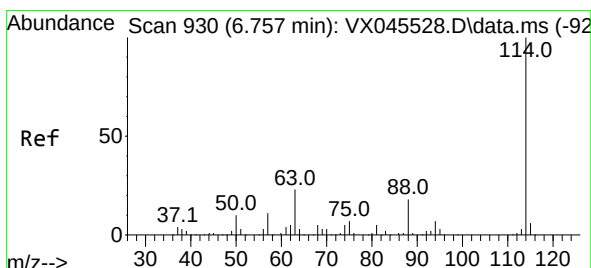
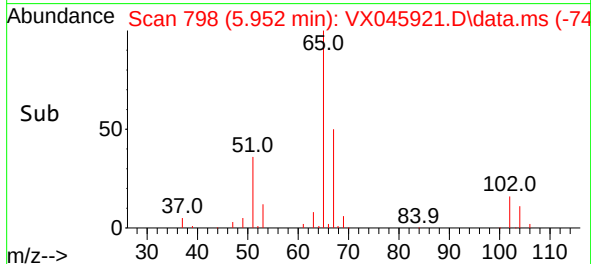
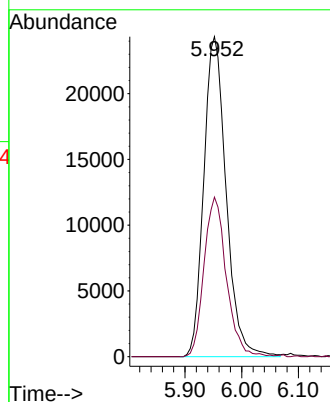
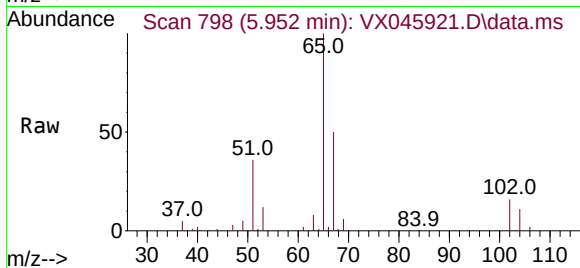
PB167707ZHE#02

Tgt Ion: 65 Resp: 66691

Ion Ratio Lower Upper

65 100

67 49.7 0.0 99.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.757 min Scan# 930

Delta R.T. -0.000 min

Lab File: VX045921.D

Acq: 24 Apr 2025 12:51

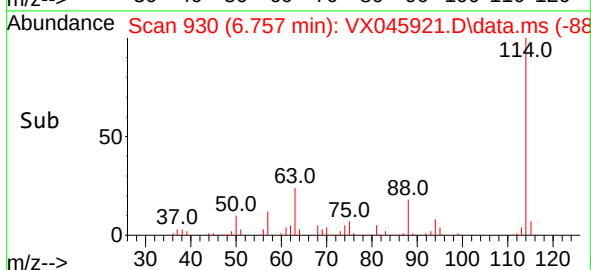
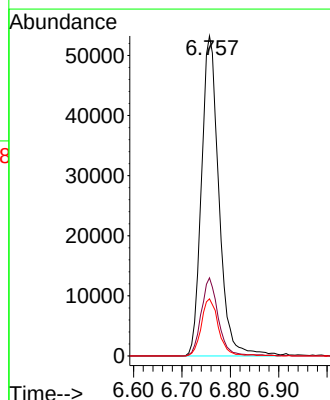
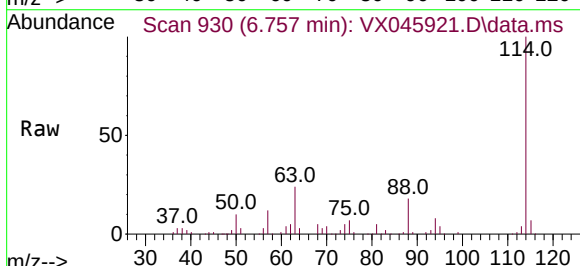
Tgt Ion: 114 Resp: 133317

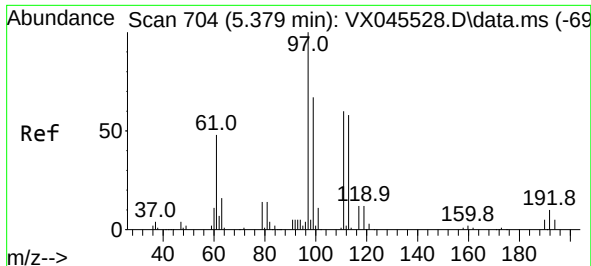
Ion Ratio Lower Upper

114 100

63 24.4 0.0 46.8

88 17.8 0.0 35.4

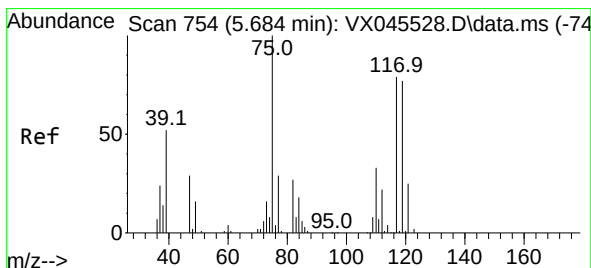
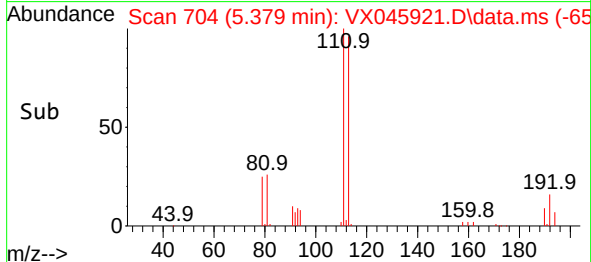
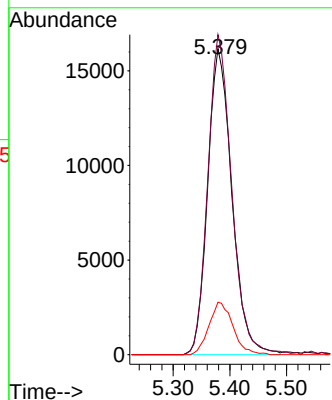
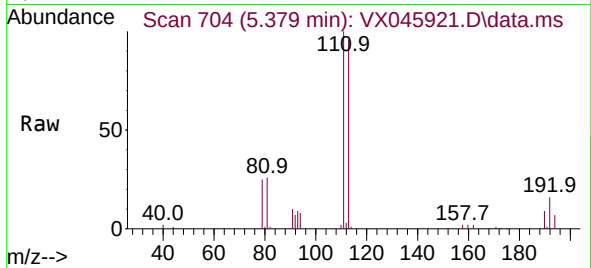




#35
Dibromofluoromethane
Concen: 50.696 ug/l
RT: 5.379 min Scan# 704
Delta R.T. -0.000 min
Lab File: VX045921.D
Acq: 24 Apr 2025 12:51

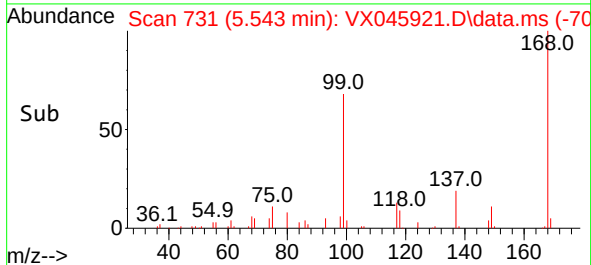
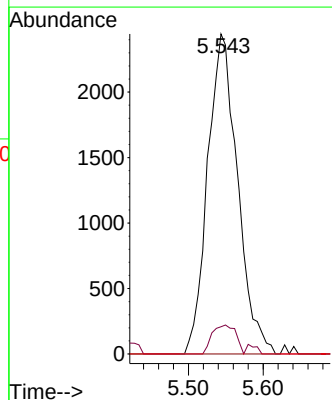
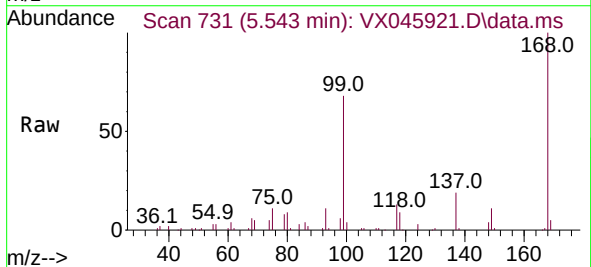
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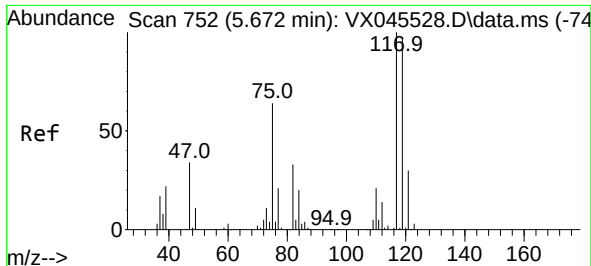
Tgt Ion:113 Resp: 47953
Ion Ratio Lower Upper
113 100
111 103.5 81.8 122.6
192 17.0 13.8 20.6



#36
1,1-Dichloropropene
Concen: 5.324 ug/l
RT: 5.543 min Scan# 731
Delta R.T. -0.140 min
Lab File: VX045921.D
Acq: 24 Apr 2025 12:51

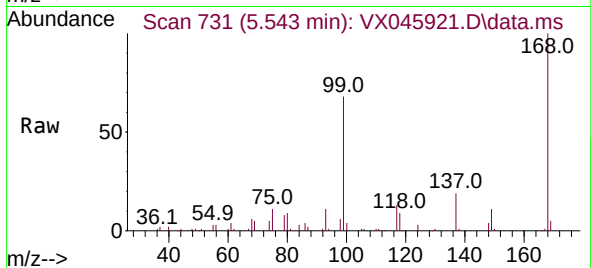
Tgt Ion: 75 Resp: 6800
Ion Ratio Lower Upper
75 100
110 7.2 16.9 50.6#
77 0.0 25.0 37.4#



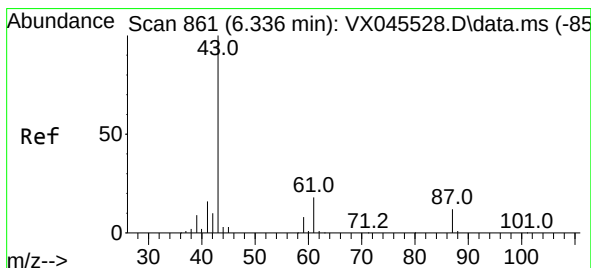
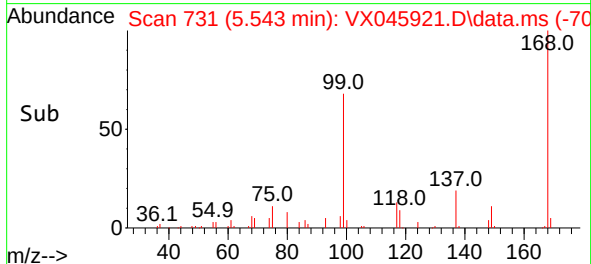
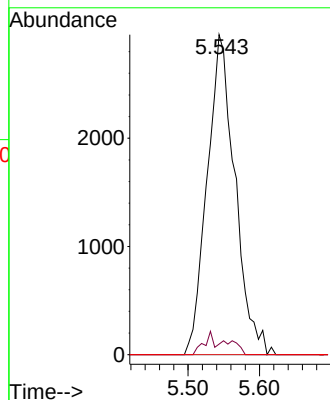


#38
Carbon Tetrachloride
Concen: 5.789 ug/l
RT: 5.543 min Scan# 711
Delta R.T. -0.128 min
Lab File: VX045921.D
Acq: 24 Apr 2025 12:51

Instrument :
MSVOA_X
ClientSampleId :
PB167707ZHE#02

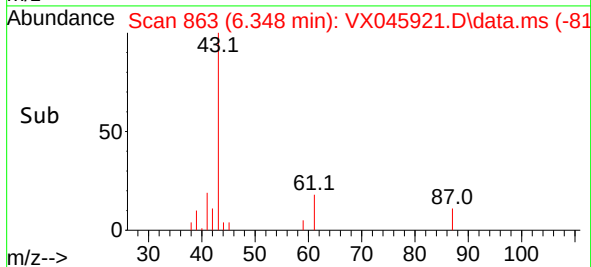
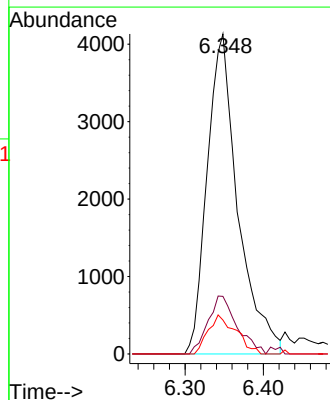
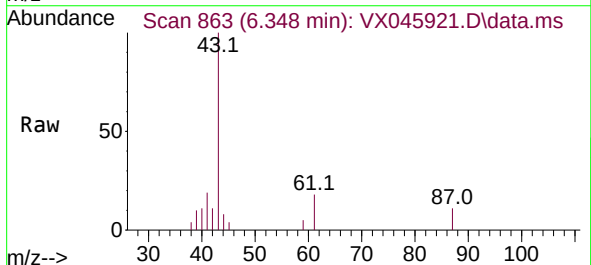


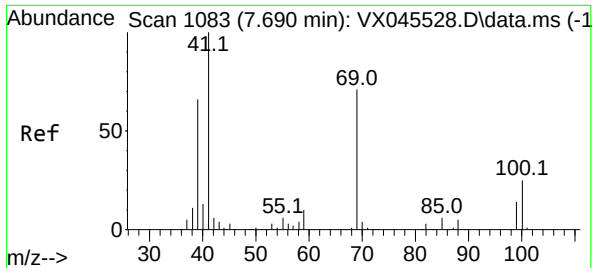
Tgt Ion:117 Resp: 7991
Ion Ratio Lower Upper
117 100
119 3.3 76.9 115.3#
121 0.0 24.2 36.2#



#43
Isopropyl Acetate
Concen: 4.610 ug/l
RT: 6.348 min Scan# 863
Delta R.T. 0.012 min
Lab File: VX045921.D
Acq: 24 Apr 2025 12:51

Tgt Ion: 43 Resp: 11245
Ion Ratio Lower Upper
43 100
61 17.1 14.1 21.1
87 11.0 9.2 13.8

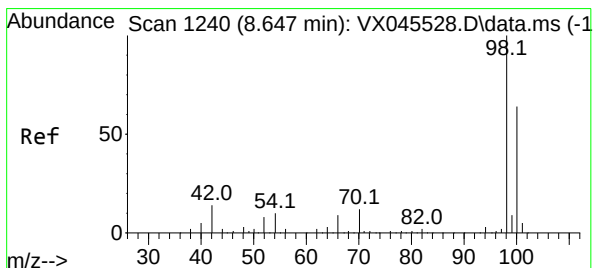
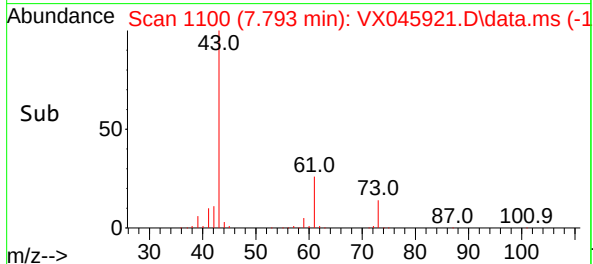
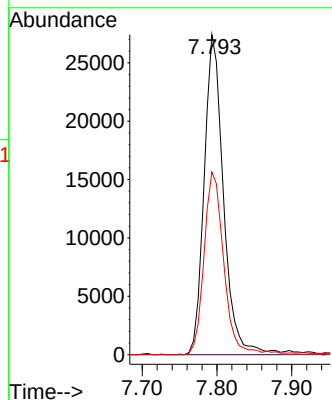
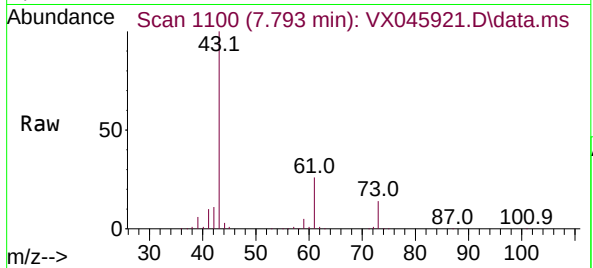




#48
Methyl methacrylate
Concen: 39.006 ug/l
RT: 7.793 min Scan# 1100
Delta R.T. 0.103 min
Lab File: VX045921.D
Acq: 24 Apr 2025 12:51

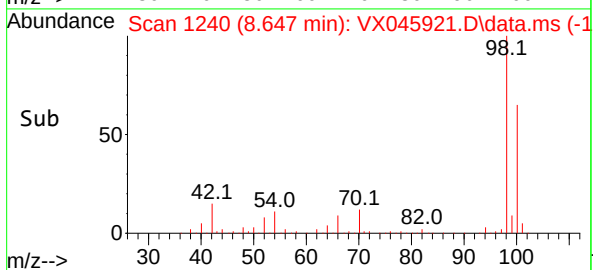
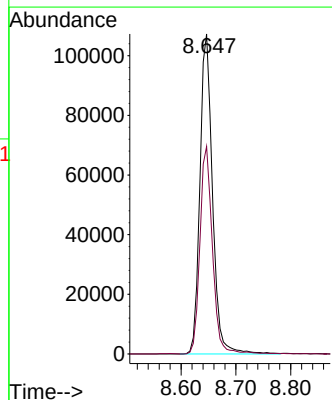
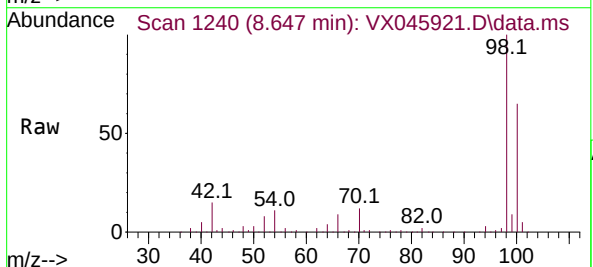
Instrument :
MSVOA_X
ClientSampleId :
PB167707ZHE#02

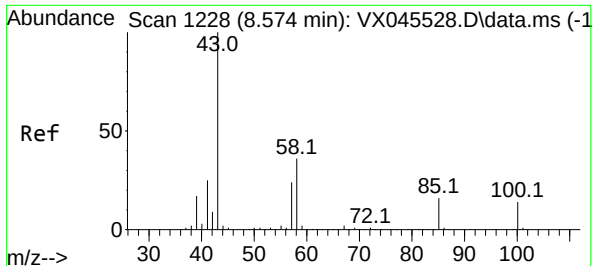
Tgt Ion: 41 Resp: 49127
Ion Ratio Lower Upper
41 100
69 0.0 58.2 87.2#
39 58.5 53.6 80.4



#50
Toluene-d8
Concen: 51.873 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX045921.D
Acq: 24 Apr 2025 12:51

Tgt Ion: 98 Resp: 171260
Ion Ratio Lower Upper
98 100
100 64.7 52.2 78.4

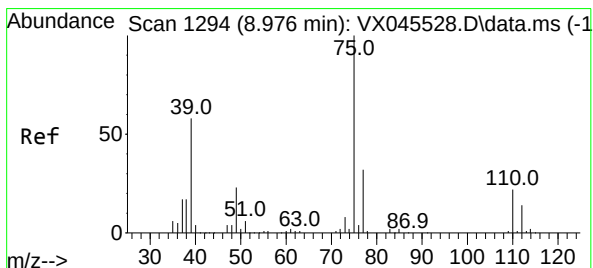
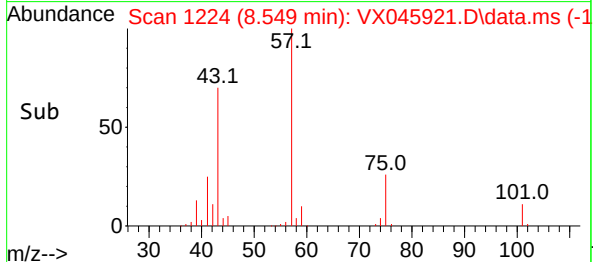
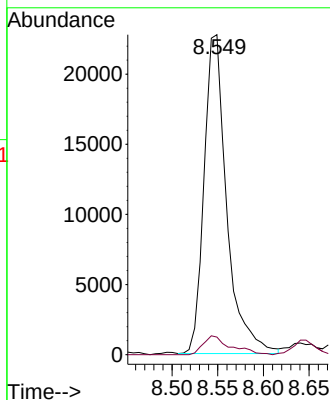
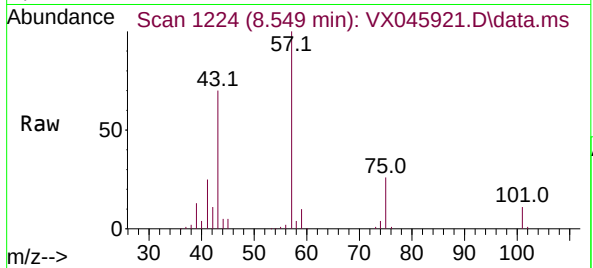




#51
4-Methyl-2-Pentanone
Concen: 24.243 ug/l
RT: 8.549 min Scan# 11
Delta R.T. -0.025 min
Lab File: VX045921.D
Acq: 24 Apr 2025 12:51

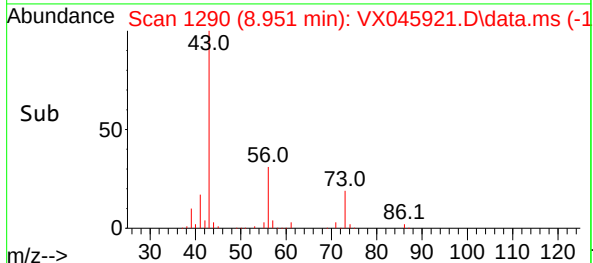
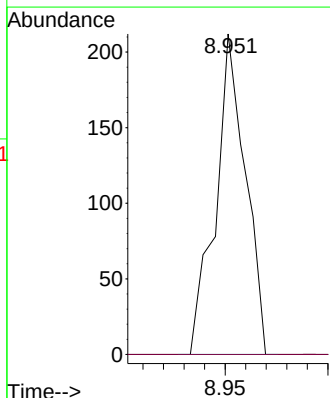
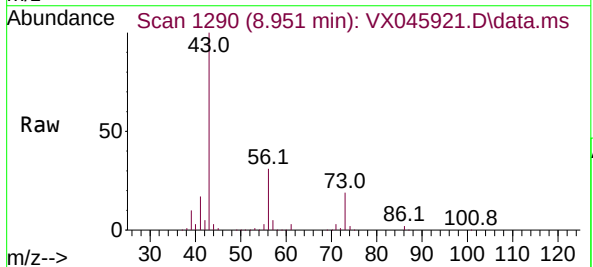
Instrument :
MSVOA_X
ClientSampleId :
PB167707ZHE#02

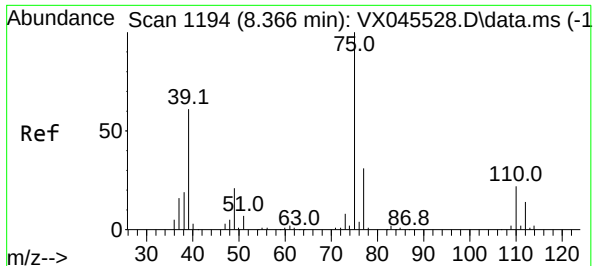
Tgt Ion: 43 Resp: 39203
Ion Ratio Lower Upper
43 100
58 7.1 28.5 42.7#



#53
t-1,3-Dichloropropene
Concen: 2.431 ug/l
RT: 8.951 min Scan# 1290
Delta R.T. -0.025 min
Lab File: VX045921.D
Acq: 24 Apr 2025 12:51

Tgt Ion: 75 Resp: 214
Ion Ratio Lower Upper
75 100
77 0.0 25.4 38.0#

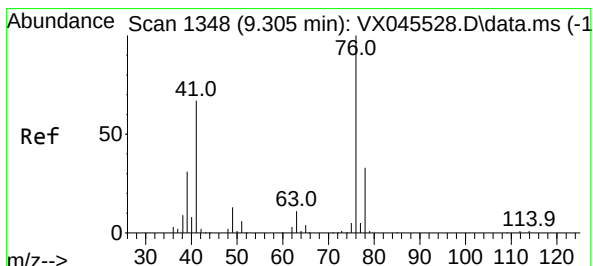
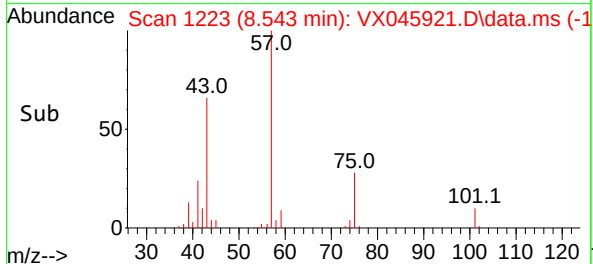
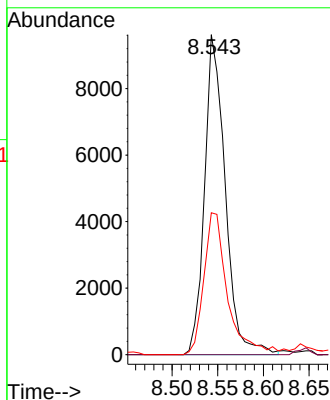
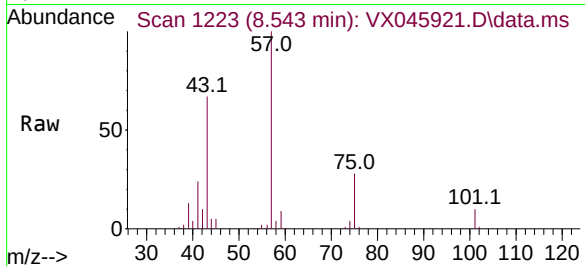




#54
 cis-1,3-Dichloropropene
 Concen: 10.782 ug/l
 RT: 8.543 min Scan# 1194
 Delta R.T. 0.177 min
 Lab File: VX045921.D
 Acq: 24 Apr 2025 12:51

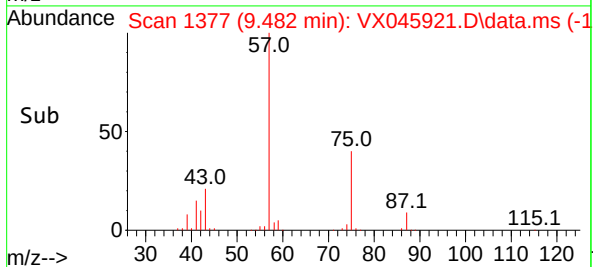
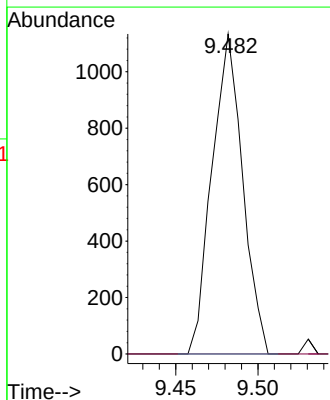
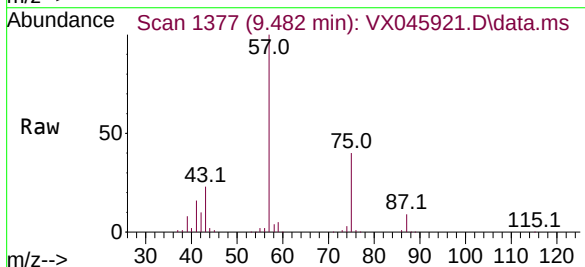
Instrument :
 MSVOA_X
 ClientSampleId :
 PB167707ZHE#02

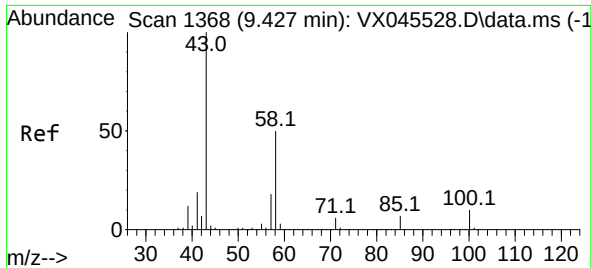
Tgt Ion: 75 Resp: 15116
 Ion Ratio Lower Upper
 75 100
 77 0.0 24.6 36.8#
 39 44.3 48.4 72.6#



#57
 1,3-Dichloropropane
 Concen: 0.898 ug/l
 RT: 9.482 min Scan# 1377
 Delta R.T. 0.177 min
 Lab File: VX045921.D
 Acq: 24 Apr 2025 12:51

Tgt Ion: 76 Resp: 1470
 Ion Ratio Lower Upper
 76 100
 78 0.0 26.0 39.0#

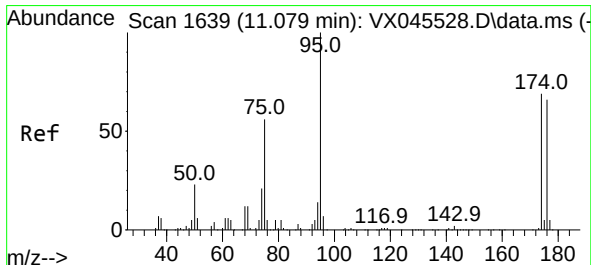
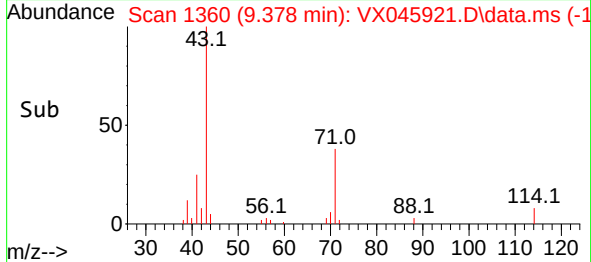
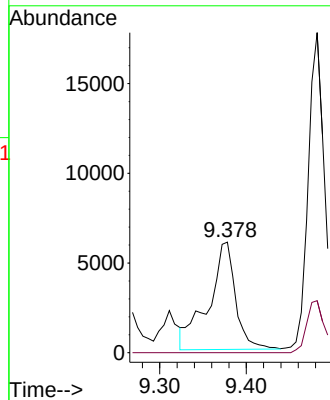
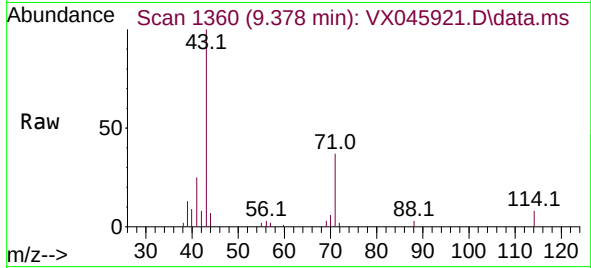




#59
2-Hexanone
Concen: 10.876 ug/l
RT: 9.378 min Scan# 11
Delta R.T. -0.049 min
Lab File: VX045921.D
Acq: 24 Apr 2025 12:51

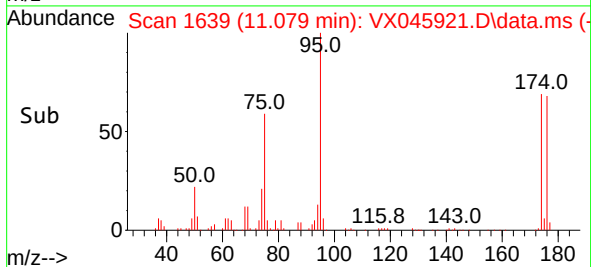
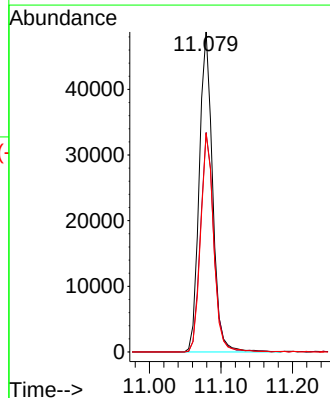
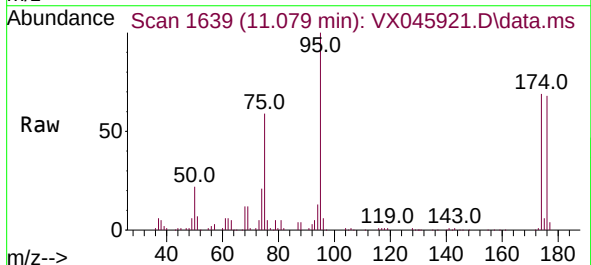
Instrument :
MSVOA_X
ClientSampleId :
PB167707ZHE#02

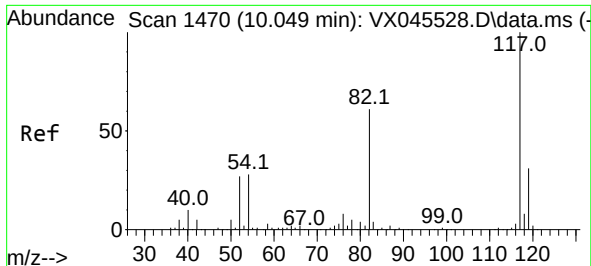
Tgt Ion: 43 Resp: 13024
Ion Ratio Lower Upper
43 100
58 0.0 24.9 74.6#



#62
4-Bromofluorobenzene
Concen: 52.308 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX045921.D
Acq: 24 Apr 2025 12:51

Tgt Ion: 95 Resp: 62904
Ion Ratio Lower Upper
95 100
174 68.7 0.0 135.8
176 67.0 0.0 131.4

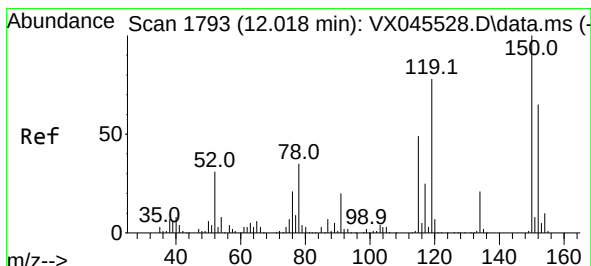
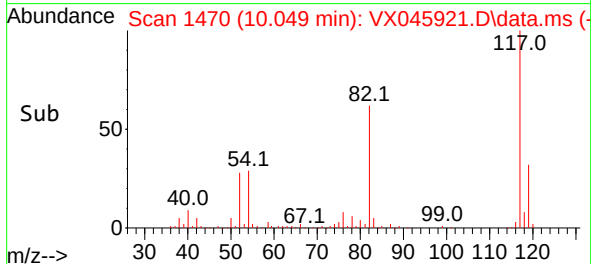
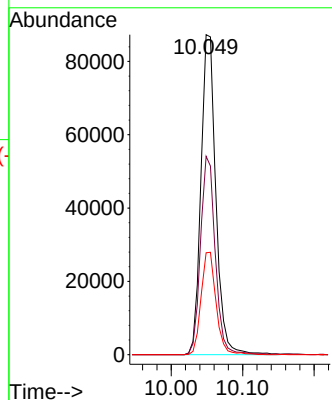
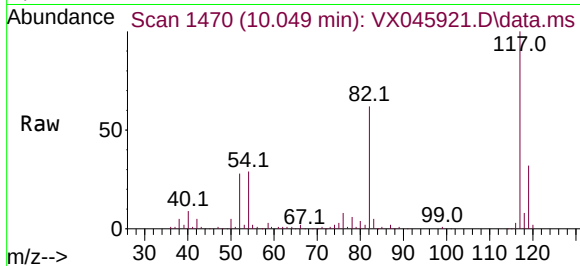




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 1470
Delta R.T. -0.000 min
Lab File: VX045921.D
Acq: 24 Apr 2025 12:51

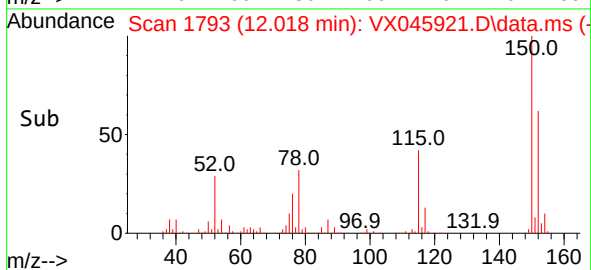
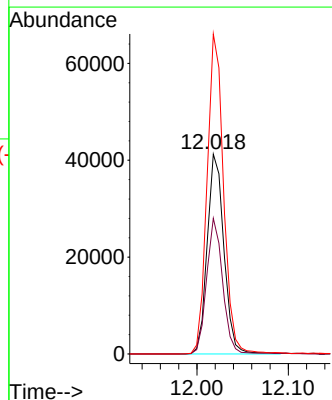
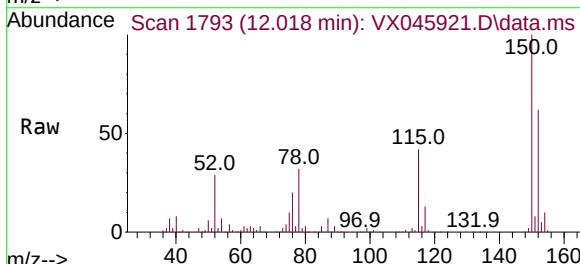
Instrument :
MSVOA_X
ClientSampleId :
PB167707ZHE#02

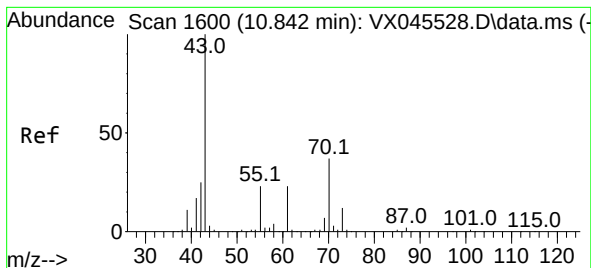
Tgt Ion:117 Resp: 126543
Ion Ratio Lower Upper
117 100
82 62.0 49.2 73.8
119 31.8 25.1 37.7



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VX045921.D
Acq: 24 Apr 2025 12:51

Tgt Ion:152 Resp: 52303
Ion Ratio Lower Upper
152 100
115 65.0 46.9 140.7
150 157.8 0.0 349.4





#74

N-amy1 acetate

Concen: 0.498 ug/l

RT: 10.780 min Scan# 1639

Delta R.T. -0.061 min

Lab File: VX045921.D

Acq: 24 Apr 2025 12:51

Instrument :

MSVOA_X

ClientSampleId :

PB167707ZHE#02

Tgt Ion: 43 Resp: 999

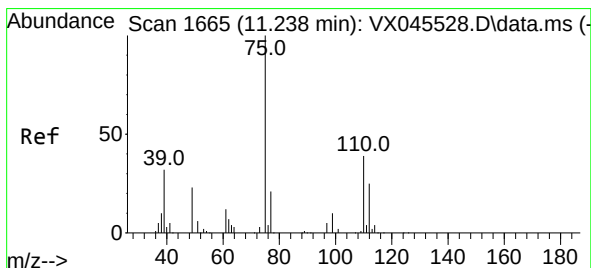
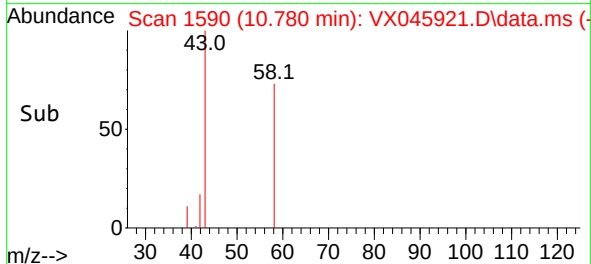
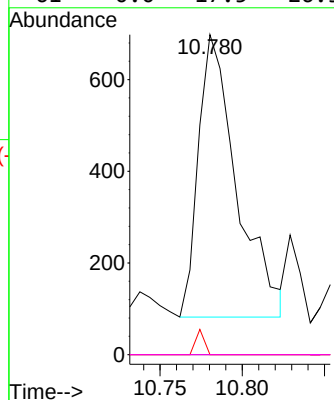
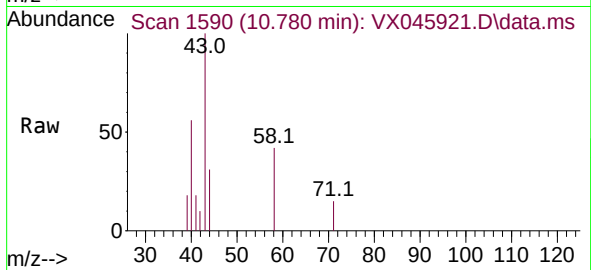
Ion Ratio Lower Upper

43 100

70 0.0 30.1 45.1#

55 2.0 18.3 27.5#

61 0.0 17.5 26.3#



#76

1,2,3-Trichloropropane

Concen: 28.782 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.159 min

Lab File: VX045921.D

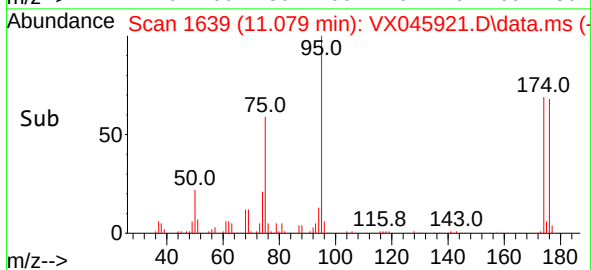
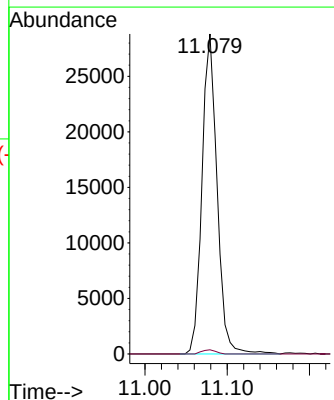
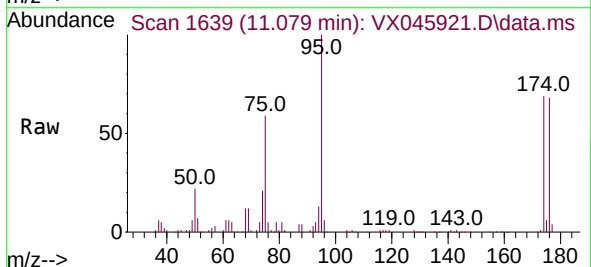
Acq: 24 Apr 2025 12:51

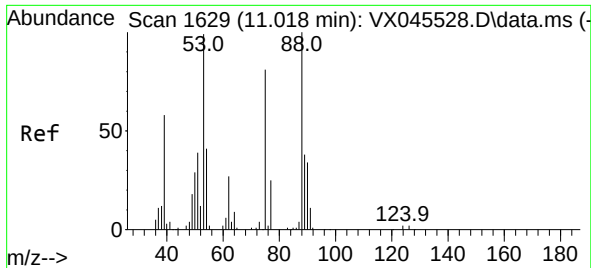
Tgt Ion: 75 Resp: 36720

Ion Ratio Lower Upper

75 100

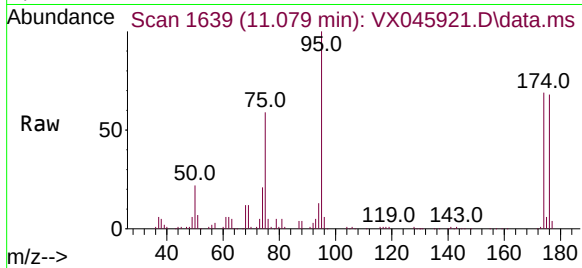
77 1.2 20.0 59.9#





#81
trans-1,4-Dichloro-2-butene
Concen: 97.683 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.061 min
Lab File: VX045921.D
Acq: 24 Apr 2025 12:51

Instrument :
MSVOA_X
ClientSampleId :
PB167707ZHE#02



Tgt Ion: 75 Resp: 36720
Ion Ratio Lower Upper
75 100
53 0.0 101.8 152.6#
89 0.0 37.2 55.8#

