

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX041025\
 Data File : VX045724.D
 Acq On : 11 Apr 2025 08:15
 Operator : JC/MD
 Sample : Q1752-04
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 45 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TP-2

Quant Time: Apr 11 08:46:41 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)

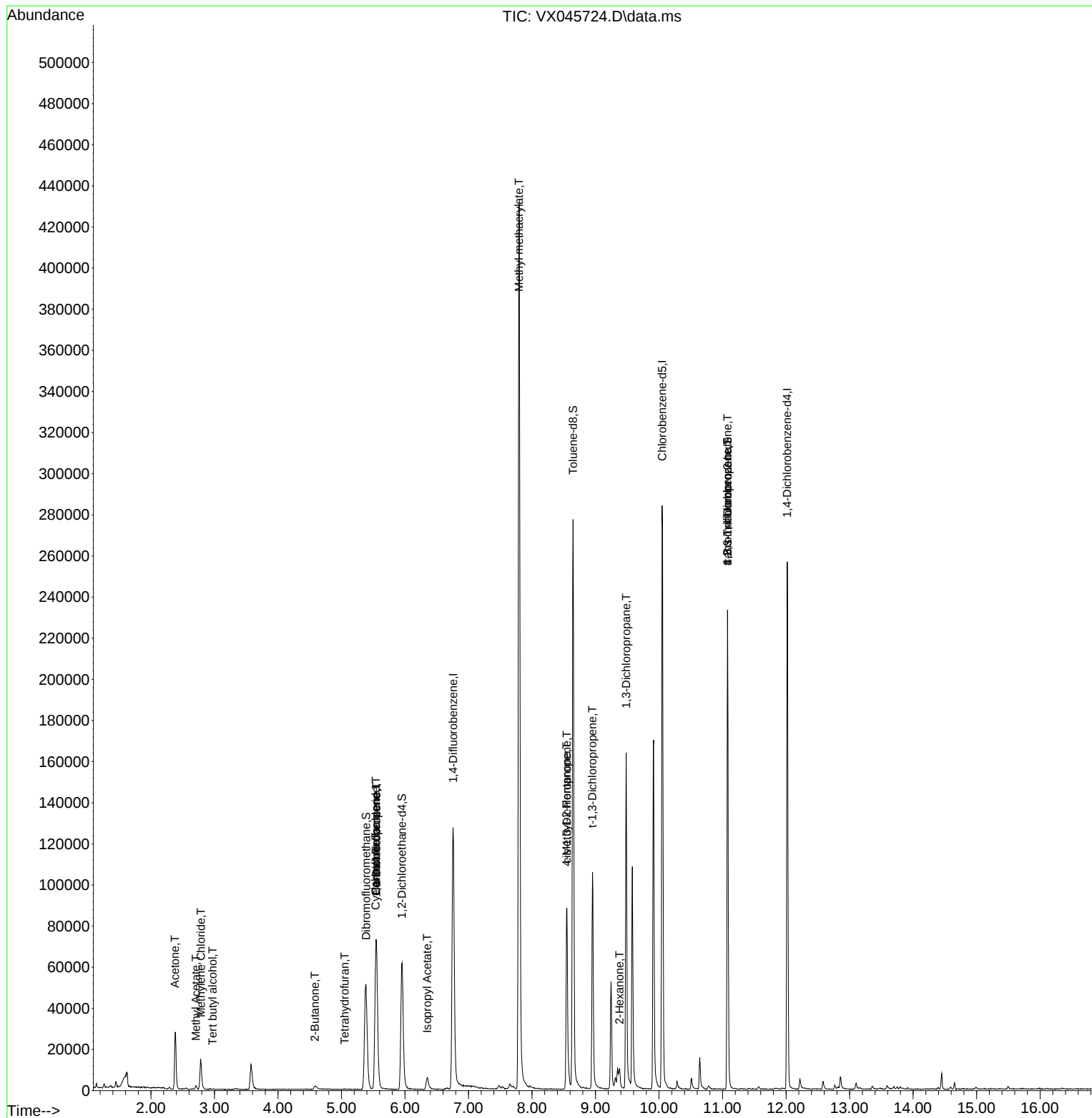
Internal Standards						
1) Pentafluorobenzene	5.544	168	62957	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	125281	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	119024	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	49027	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	63150	54.850	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 109.700%	
35) Dibromofluoromethane	5.385	113	45481	51.167	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 102.340%	
50) Toluene-d8	8.647	98	160095	51.602	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 103.200%	
62) 4-Bromofluorobenzene	11.079	95	60544	53.575	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 107.140%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	2.971	59	149	0.963	ug/l #	72
16) Acetone	2.379	43	31171	65.934	ug/l	100
18) Methyl Acetate	2.709	43	2309	2.121	ug/l	95
20) Methylene Chloride	2.788	84	6413	7.246	ug/l	94
25) 2-Butanone	4.580	43	4179	6.039	ug/l	93
29) Tetrahydrofuran	5.050	42	121	0.270	ug/l #	35
31) Cyclohexane	5.537	56	1941	1.374	ug/l #	4
36) 1,1-Dichloropropene	5.550	75	6483	5.402	ug/l #	50
38) Carbon Tetrachloride	5.544	117	7497	5.780	ug/l #	14
43) Isopropyl Acetate	6.348	43	8525	3.719	ug/l	96
48) Methyl methacrylate	7.793	41	44539	37.631	ug/l #	50
51) 4-Methyl-2-Pentanone	8.543	43	36475	24.003	ug/l #	49
53) t-1,3-Dichloropropene	8.951	75	179	2.416	ug/l #	43
54) cis-1,3-Dichloropropene	8.549	75	14116	10.714	ug/l #	62
57) 1,3-Dichloropropane	9.482	76	1435	0.932	ug/l #	42
59) 2-Hexanone	9.378	43	9943	8.836	ug/l #	28
76) 1,2,3-Trichloropropane	11.079	75	34741	29.050	ug/l #	37
81) trans-1,4-Dichloro-2-b...	11.079	75	34741	98.594	ug/l #	1

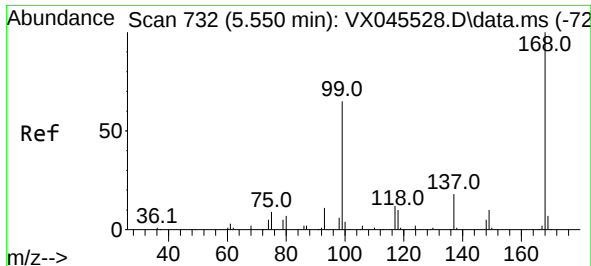
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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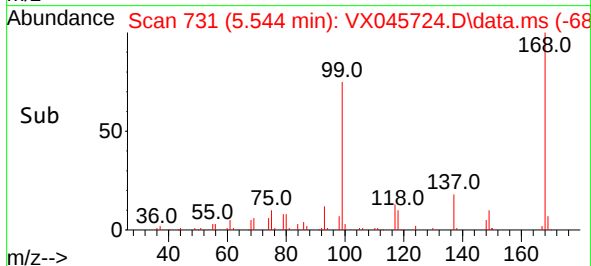
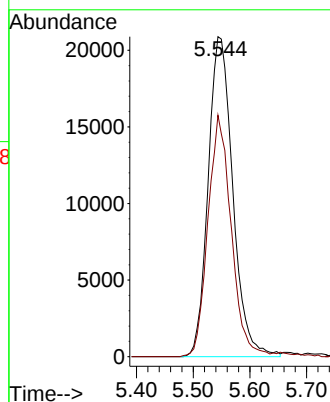
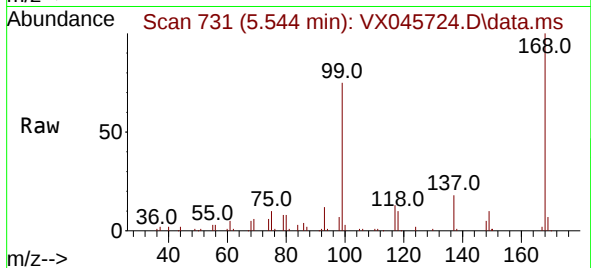




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX045724.D
Acq: 11 Apr 2025 08:15

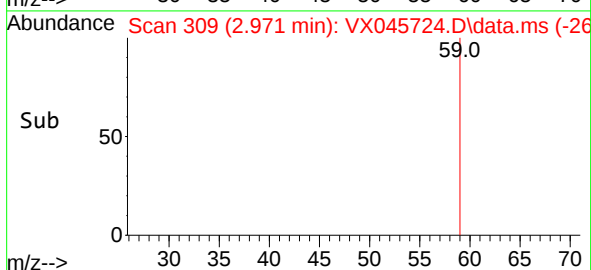
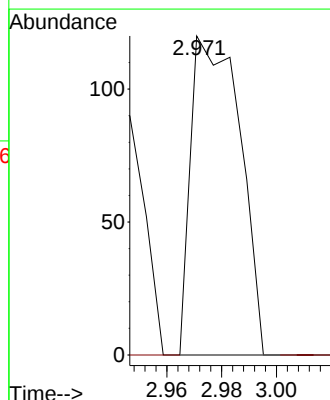
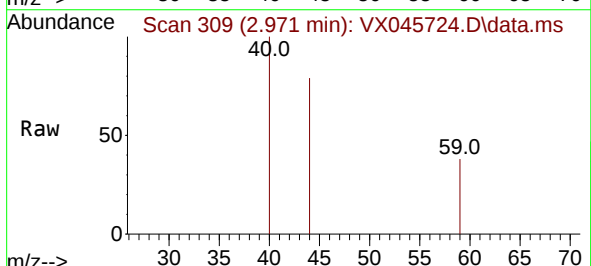
Instrument :
MSVOA_X
ClientSampleId :
TP-2

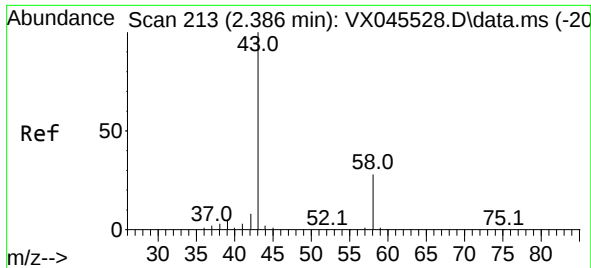
Tgt Ion:168 Resp: 62957
Ion Ratio Lower Upper
168 100
99 75.5 52.3 78.5



#11
Tert butyl alcohol
Concen: 0.963 ug/l
RT: 2.971 min Scan# 309
Delta R.T. -0.006 min
Lab File: VX045724.D
Acq: 11 Apr 2025 08:15

Tgt Ion: 59 Resp: 149
Ion Ratio Lower Upper
59 100
57 0.0 8.6 12.8#





#16

Acetone

Concen: 65.934 ug/l

RT: 2.379 min Scan# 213

Delta R.T. -0.006 min

Lab File: VX045724.D

Acq: 11 Apr 2025 08:15

Instrument :

MSVOA_X

ClientSampleId :

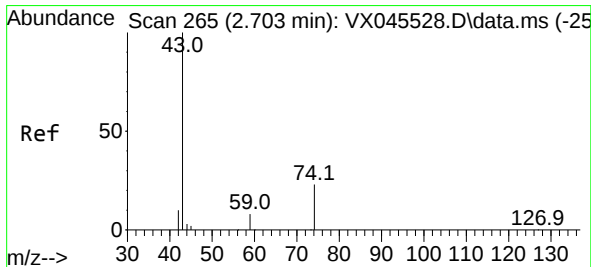
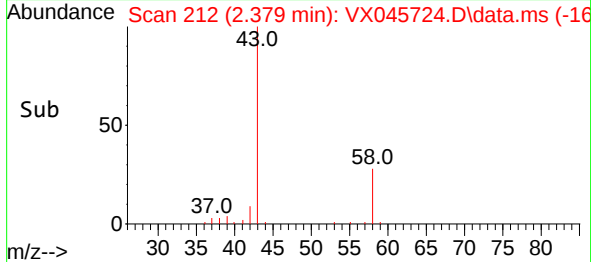
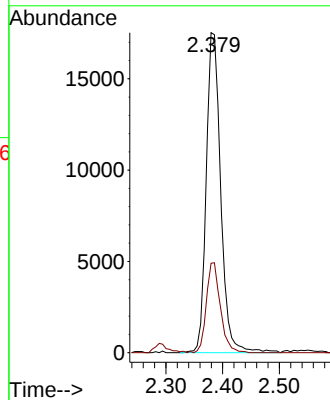
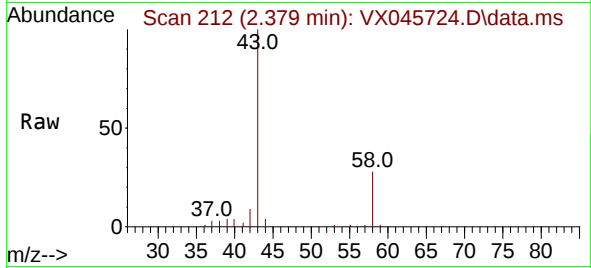
TP-2

Tgt Ion: 43 Resp: 31171

Ion Ratio Lower Upper

43 100

58 28.0 22.3 33.5



#18

Methyl Acetate

Concen: 2.121 ug/l

RT: 2.709 min Scan# 266

Delta R.T. 0.006 min

Lab File: VX045724.D

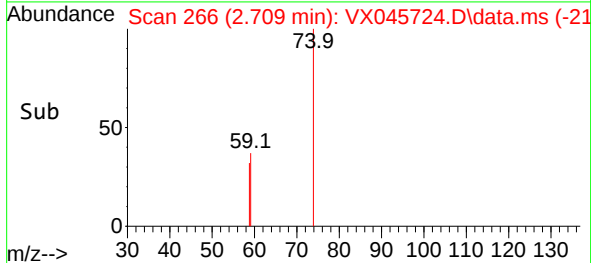
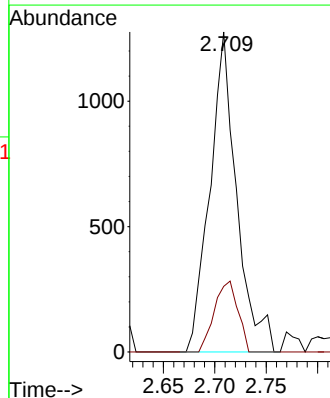
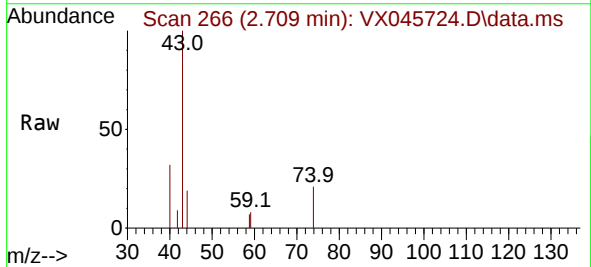
Acq: 11 Apr 2025 08:15

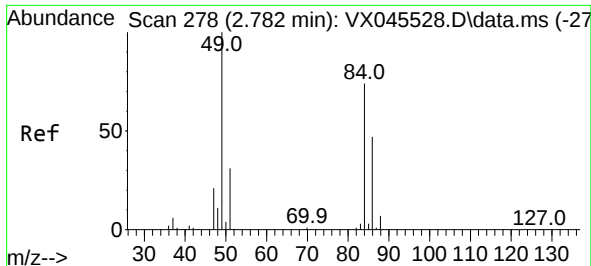
Tgt Ion: 43 Resp: 2309

Ion Ratio Lower Upper

43 100

74 19.4 17.5 26.3

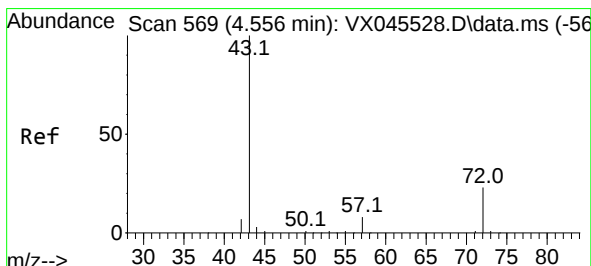
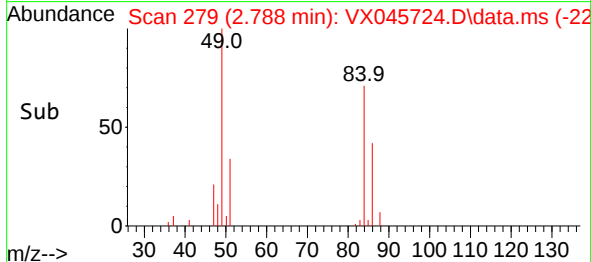
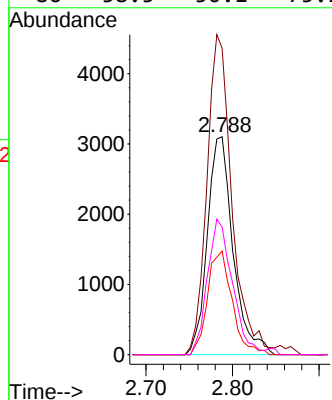
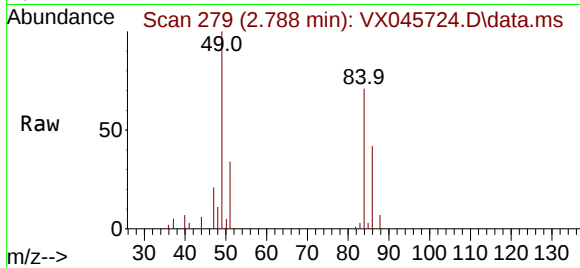




#20
Methylene Chloride
Concen: 7.246 ug/l
RT: 2.788 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX045724.D
Acq: 11 Apr 2025 08:15

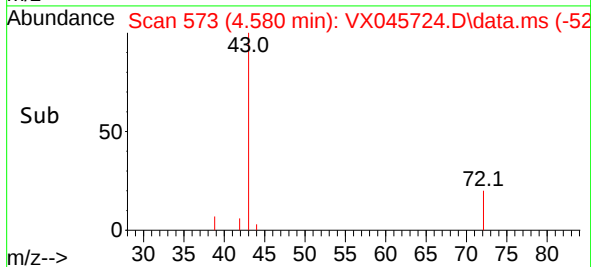
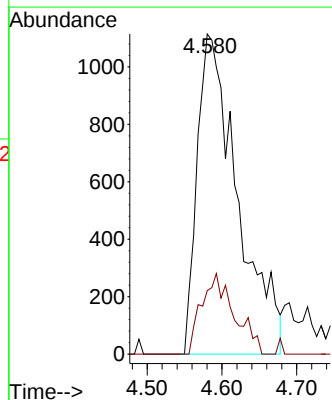
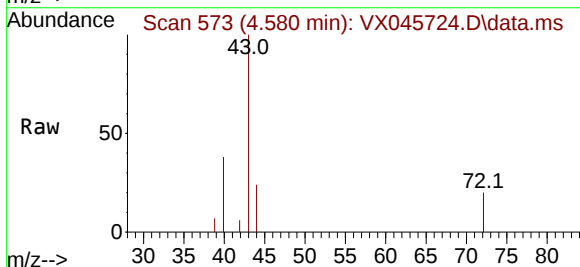
Instrument :
MSVOA_X
ClientSampleId :
TP-2

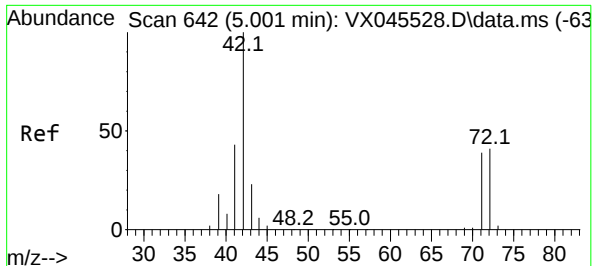
Tgt Ion:	84	Resp:	6413
Ion	Ratio	Lower	Upper
84	100		
49	140.6	107.5	161.3
51	47.6	33.0	49.6
86	58.5	50.1	75.1



#25
2-Butanone
Concen: 6.039 ug/l
RT: 4.580 min Scan# 573
Delta R.T. 0.024 min
Lab File: VX045724.D
Acq: 11 Apr 2025 08:15

Tgt Ion:	43	Resp:	4179
Ion	Ratio	Lower	Upper
43	100		
72	19.8	18.6	28.0





#29

Tetrahydrofuran

Concen: 0.270 ug/l

RT: 5.050 min Scan# 61

Delta R.T. 0.049 min

Lab File: VX045724.D

Acq: 11 Apr 2025 08:15

Instrument :

MSVOA_X

ClientSampleId :

TP-2

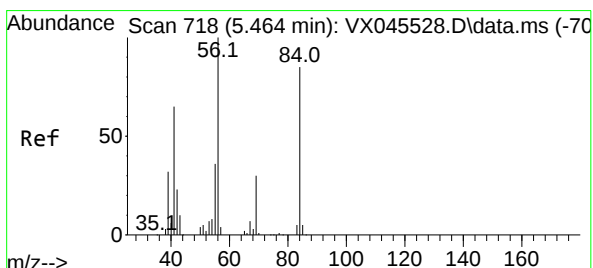
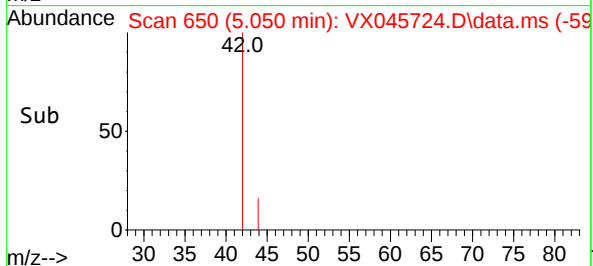
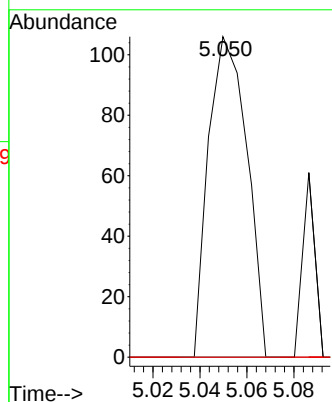
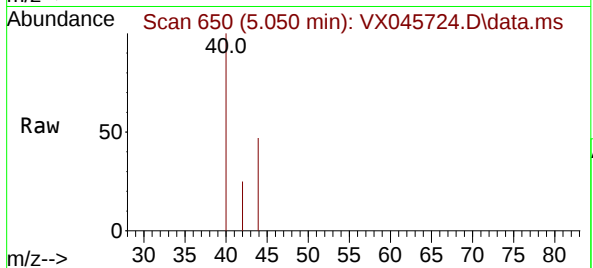
Tgt Ion: 42 Resp: 121

Ion Ratio Lower Upper

42 100

72 0.0 33.4 50.0#

71 0.0 31.4 47.0#



#31

Cyclohexane

Concen: 1.374 ug/l

RT: 5.537 min Scan# 730

Delta R.T. 0.073 min

Lab File: VX045724.D

Acq: 11 Apr 2025 08:15

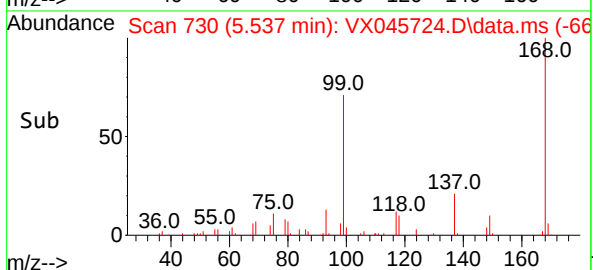
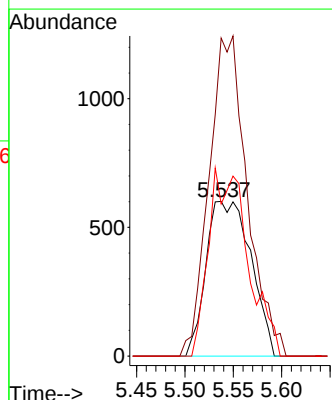
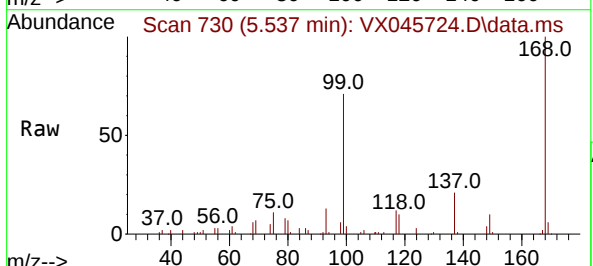
Tgt Ion: 56 Resp: 1941

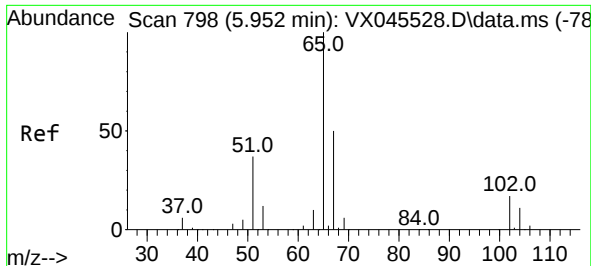
Ion Ratio Lower Upper

56 100

69 205.7 23.6 35.4#

84 98.3 67.7 101.5





#33

1,2-Dichloroethane-d4

Concen: 54.850 ug/l

RT: 5.952 min Scan# 798

Delta R.T. -0.000 min

Lab File: VX045724.D

Acq: 11 Apr 2025 08:15

Instrument :

MSVOA_X

ClientSampleId :

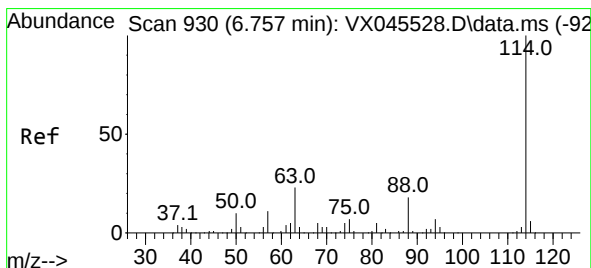
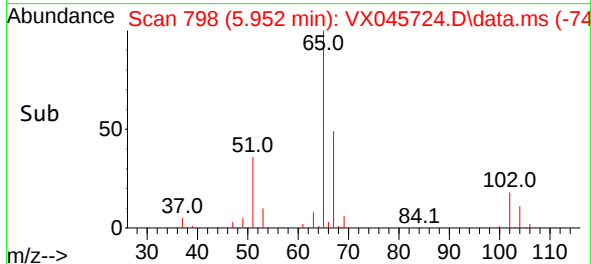
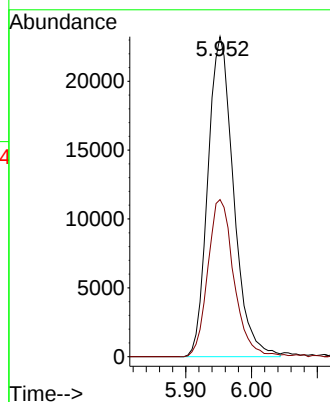
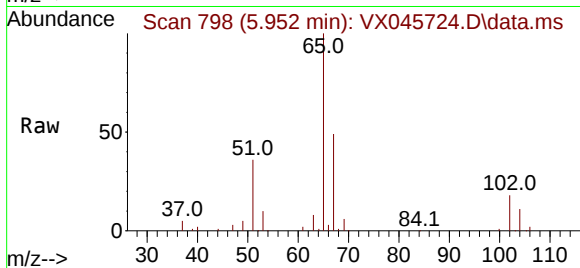
TP-2

Tgt Ion: 65 Resp: 63150

Ion Ratio Lower Upper

65 100

67 50.1 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: VX045724.D

Acq: 11 Apr 2025 08:15

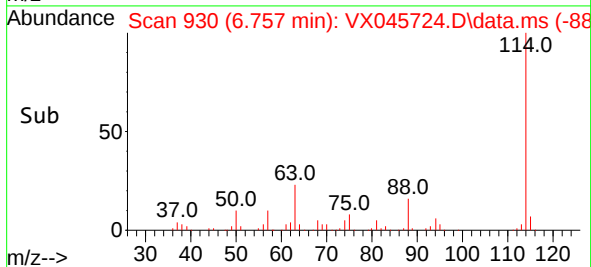
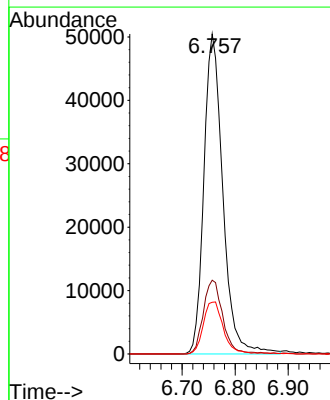
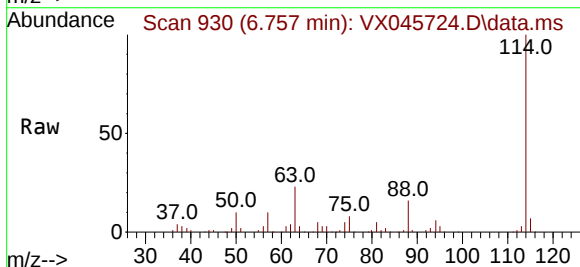
Tgt Ion: 114 Resp: 125281

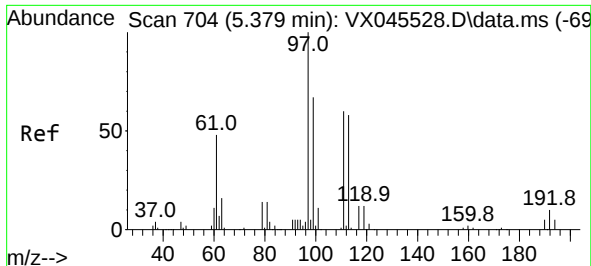
Ion Ratio Lower Upper

114 100

63 23.0 0.0 46.8

88 16.2 0.0 35.4





#35

Dibromofluoromethane

Concen: 51.167 ug/l

RT: 5.385 min Scan# 704

Delta R.T. 0.006 min

Lab File: VX045724.D

Acq: 11 Apr 2025 08:15

Instrument :

MSVOA_X

ClientSampleId :

TP-2

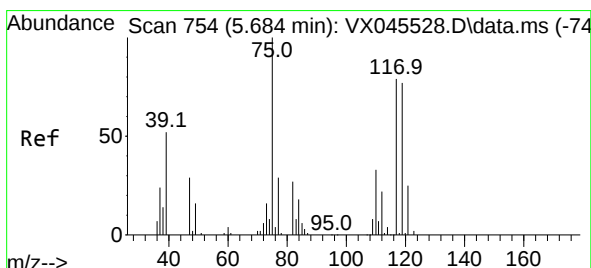
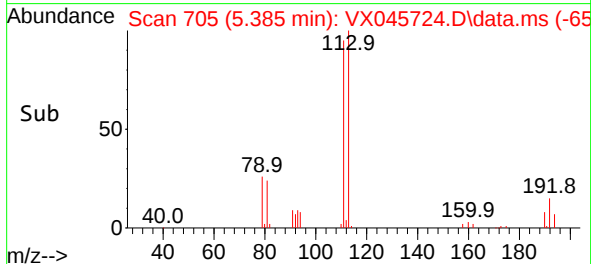
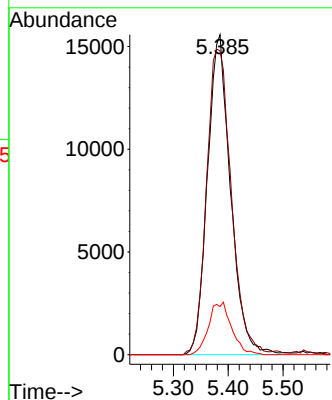
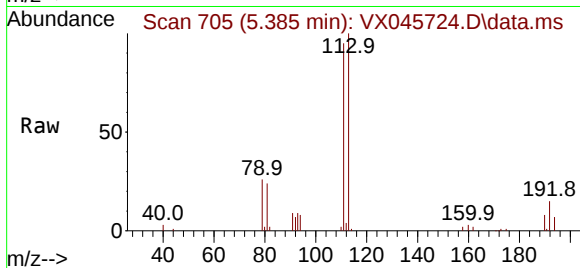
Tgt Ion:113 Resp: 45481

Ion Ratio Lower Upper

113 100

111 102.3 81.8 122.6

192 16.3 13.8 20.6



#36

1,1-Dichloropropene

Concen: 5.402 ug/l

RT: 5.550 min Scan# 732

Delta R.T. -0.134 min

Lab File: VX045724.D

Acq: 11 Apr 2025 08:15

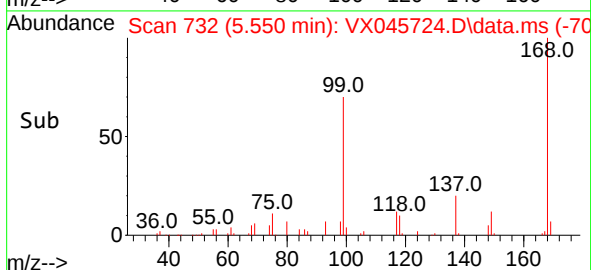
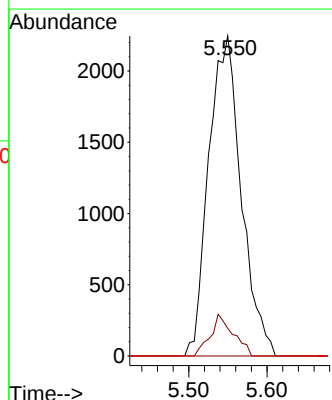
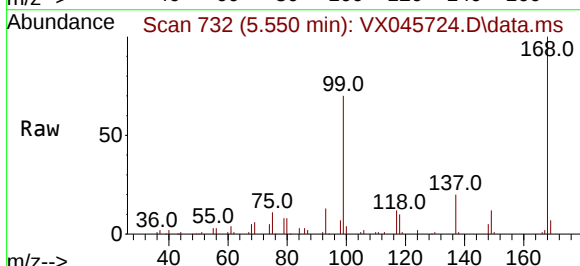
Tgt Ion: 75 Resp: 6483

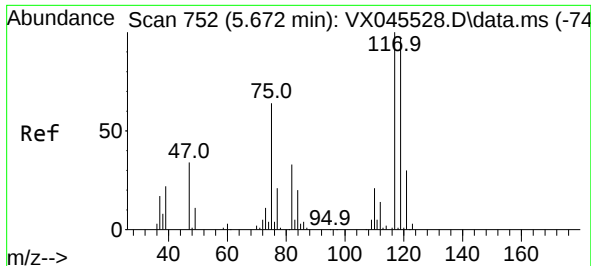
Ion Ratio Lower Upper

75 100

110 9.1 16.9 50.6#

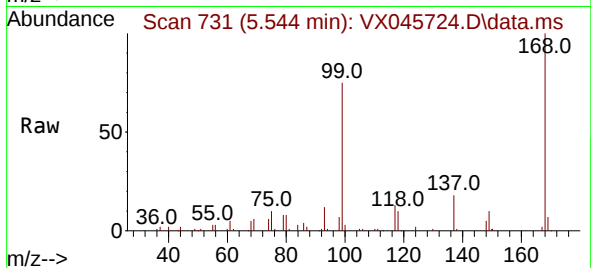
77 0.0 25.0 37.4#



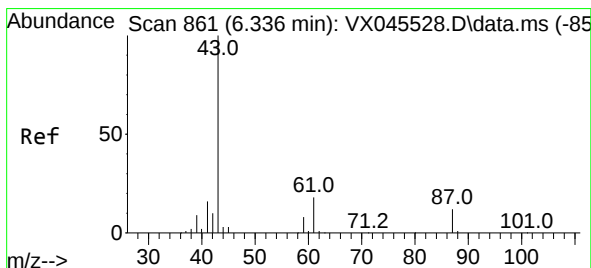
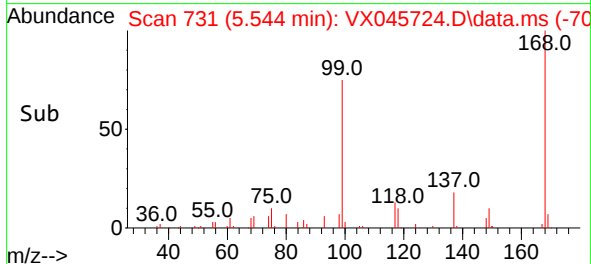
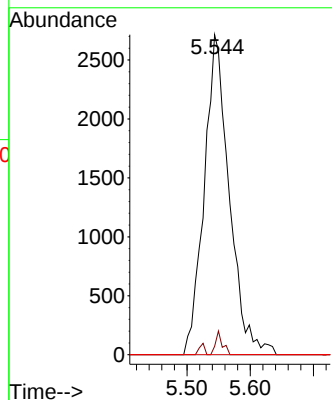


#38
Carbon Tetrachloride
Concen: 5.780 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.128 min
Lab File: VX045724.D
Acq: 11 Apr 2025 08:15

Instrument :
MSVOA_X
ClientSampleId :
TP-2

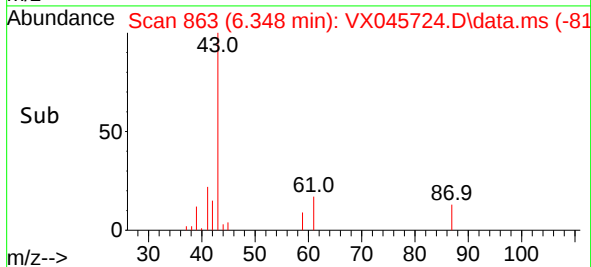
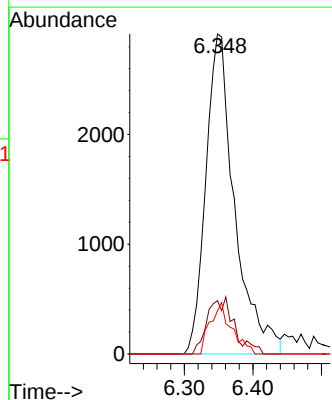
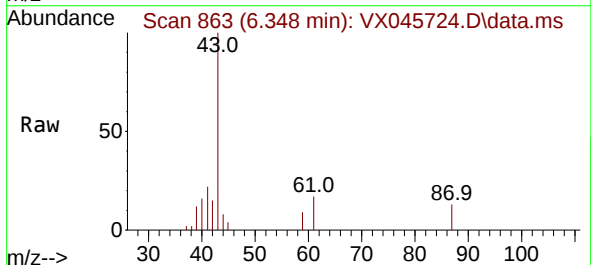


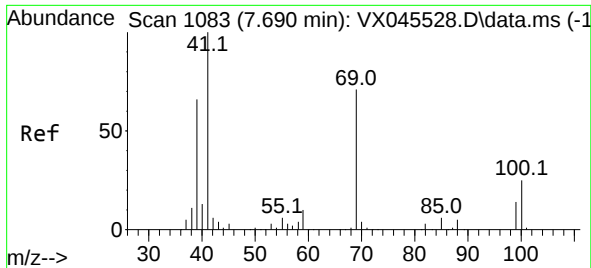
Tgt Ion:117 Resp: 7497
Ion Ratio Lower Upper
117 100
119 2.6 76.9 115.3#
121 0.0 24.2 36.2#



#43
Isopropyl Acetate
Concen: 3.719 ug/l
RT: 6.348 min Scan# 863
Delta R.T. 0.012 min
Lab File: VX045724.D
Acq: 11 Apr 2025 08:15

Tgt Ion: 43 Resp: 8525
Ion Ratio Lower Upper
43 100
61 15.0 14.1 21.1
87 12.0 9.2 13.8





#48

Methyl methacrylate

Concen: 37.631 ug/l

RT: 7.793 min Scan# 1100

Delta R.T. 0.104 min

Lab File: VX045724.D

Acq: 11 Apr 2025 08:15

Instrument :

MSVOA_X

ClientSampleId :

TP-2

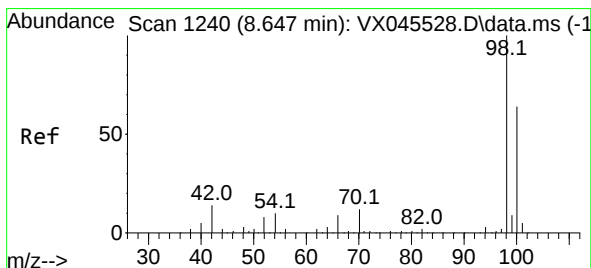
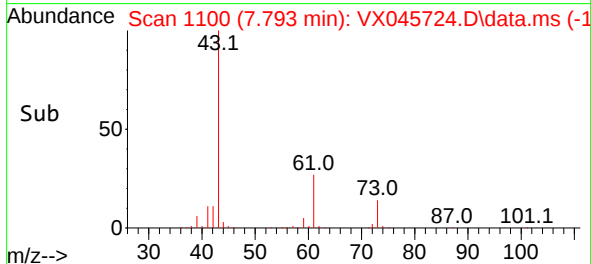
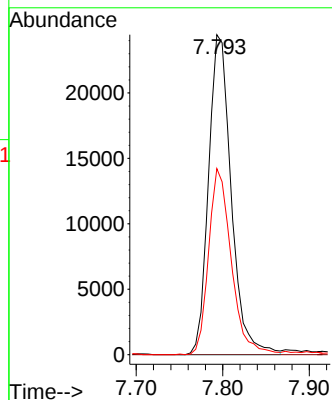
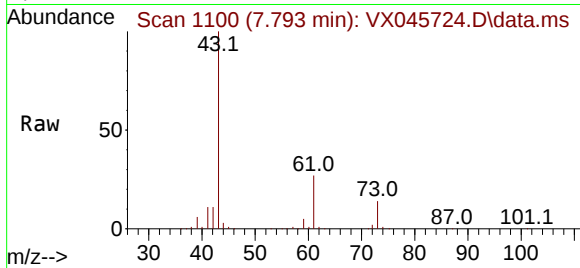
Tgt Ion: 41 Resp: 44539

Ion Ratio Lower Upper

41 100

69 0.0 58.2 87.2#

39 58.2 53.6 80.4



#50

Toluene-d8

Concen: 51.602 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. -0.000 min

Lab File: VX045724.D

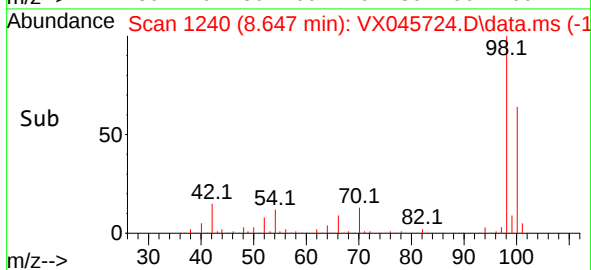
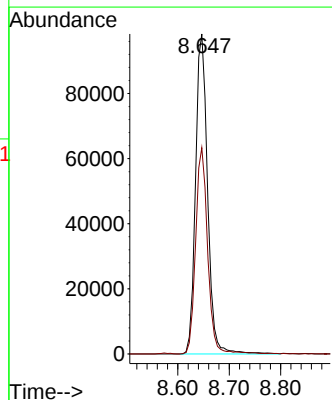
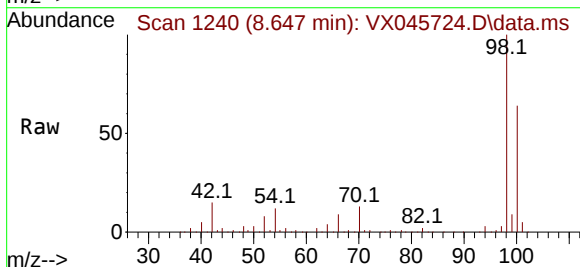
Acq: 11 Apr 2025 08:15

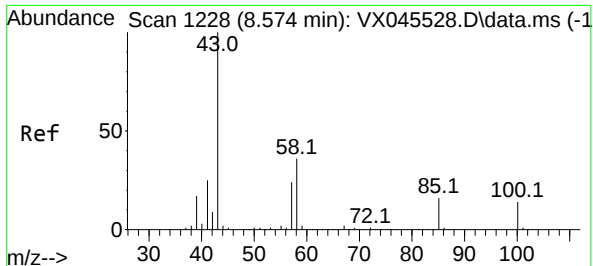
Tgt Ion: 98 Resp: 160095

Ion Ratio Lower Upper

98 100

100 64.5 52.2 78.4

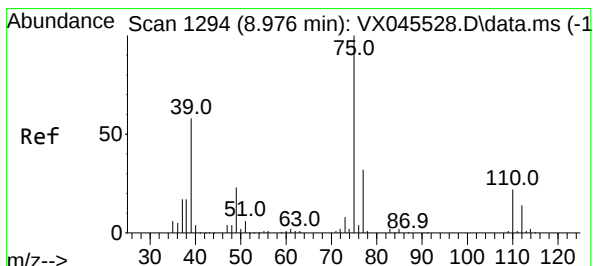
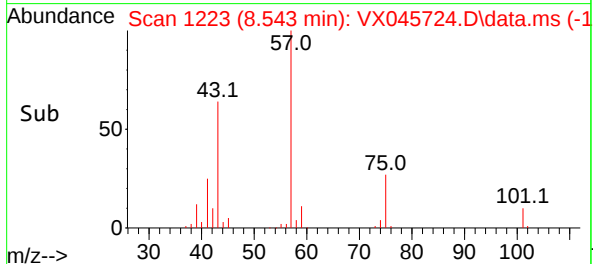
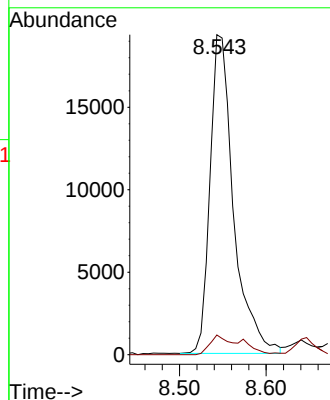
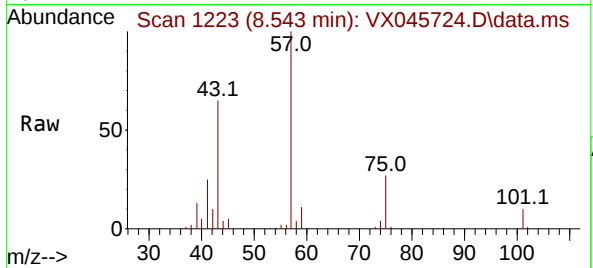




#51
4-Methyl-2-Pentanone
Concen: 24.003 ug/l
RT: 8.543 min Scan# 11
Delta R.T. -0.031 min
Lab File: VX045724.D
Acq: 11 Apr 2025 08:15

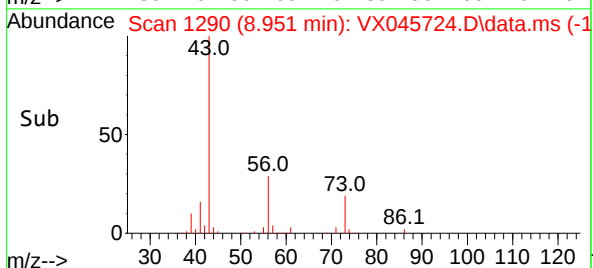
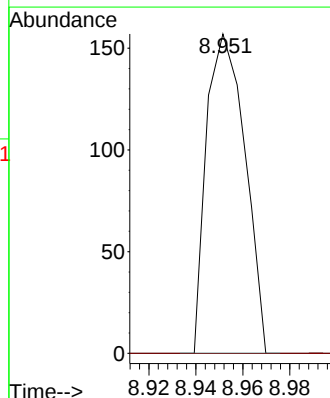
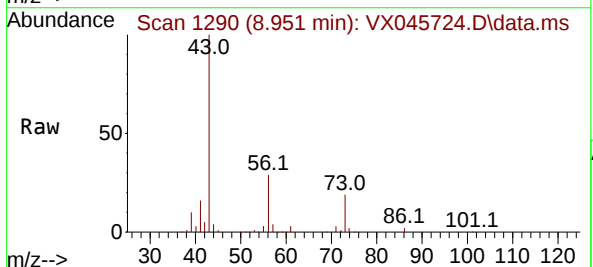
Instrument :
MSVOA_X
ClientSampleId :
TP-2

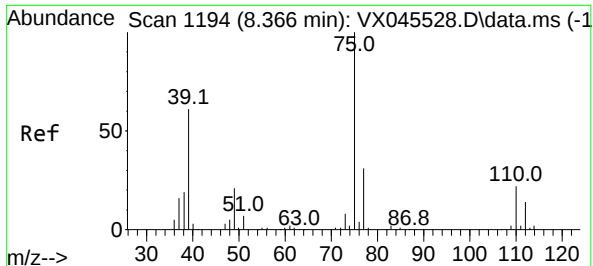
Tgt Ion: 43 Resp: 36475
Ion Ratio Lower Upper
43 100
58 5.7 28.5 42.7#



#53
t-1,3-Dichloropropene
Concen: 2.416 ug/l
RT: 8.951 min Scan# 1290
Delta R.T. -0.025 min
Lab File: VX045724.D
Acq: 11 Apr 2025 08:15

Tgt Ion: 75 Resp: 179
Ion Ratio Lower Upper
75 100
77 0.0 25.4 38.0#

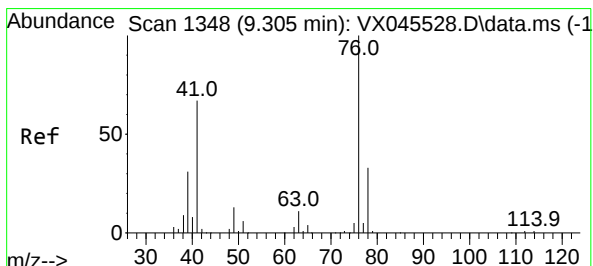
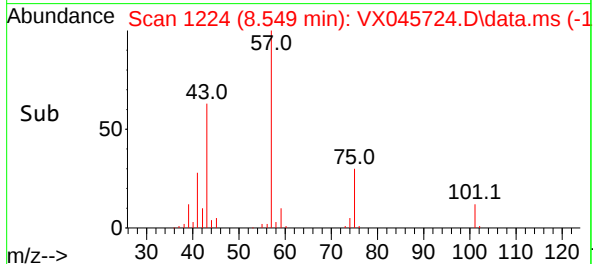
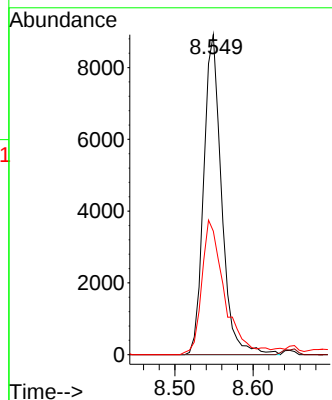
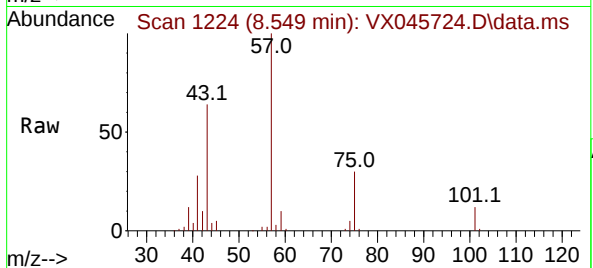




#54
cis-1,3-Dichloropropene
Concen: 10.714 ug/l
RT: 8.549 min Scan# 1194
Delta R.T. 0.183 min
Lab File: VX045724.D
Acq: 11 Apr 2025 08:15

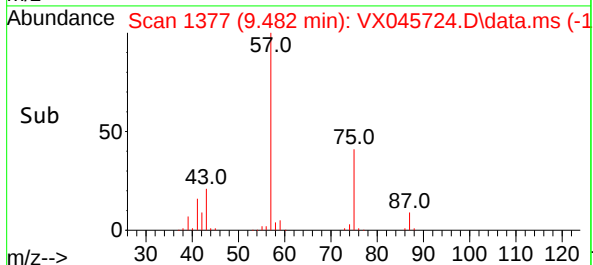
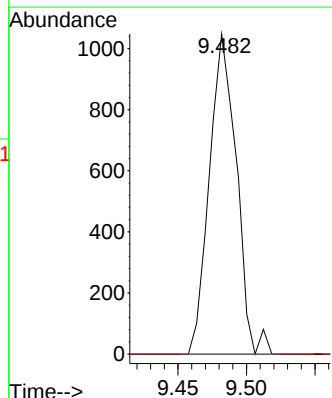
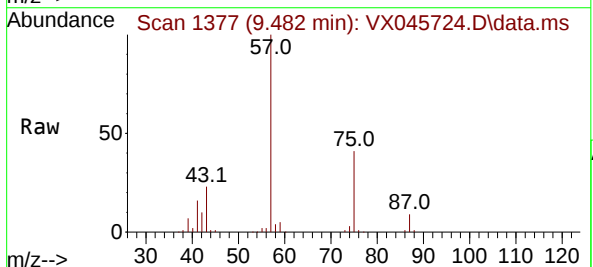
Instrument :
MSVOA_X
ClientSampleId :
TP-2

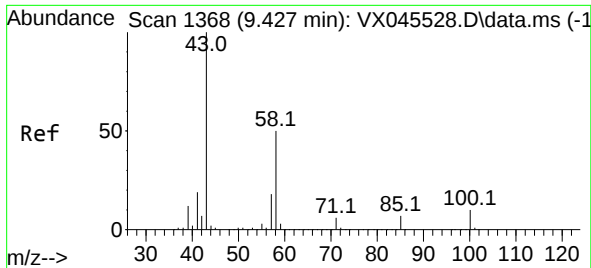
Tgt Ion: 75 Resp: 14116
Ion Ratio Lower Upper
75 100
77 0.0 24.6 36.8#
39 38.6 48.4 72.6#



#57
1,3-Dichloropropane
Concen: 0.932 ug/l
RT: 9.482 min Scan# 1377
Delta R.T. 0.177 min
Lab File: VX045724.D
Acq: 11 Apr 2025 08:15

Tgt Ion: 76 Resp: 1435
Ion Ratio Lower Upper
76 100
78 0.0 26.0 39.0#

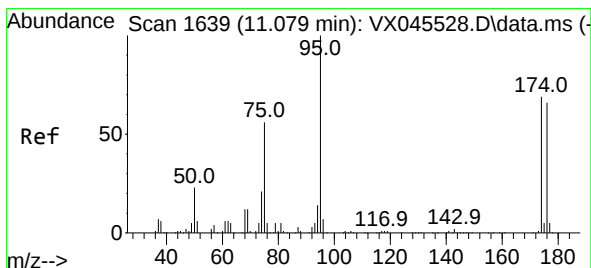
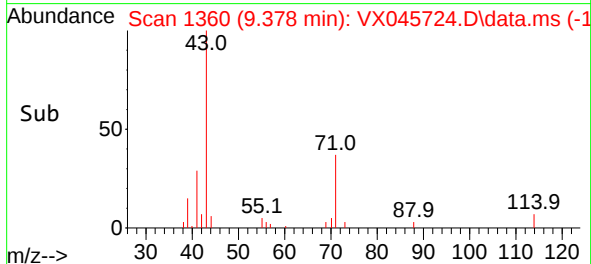
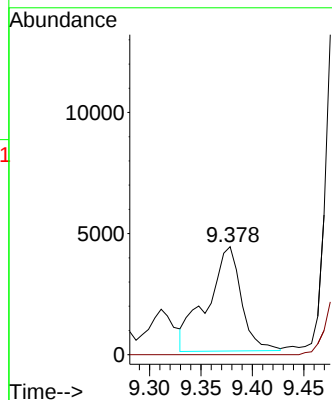
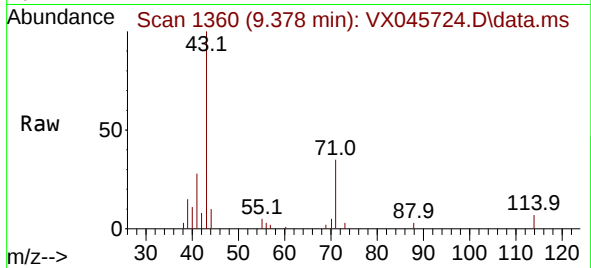




#59
2-Hexanone
Concen: 8.836 ug/l
RT: 9.378 min Scan# 1360
Delta R.T. -0.049 min
Lab File: VX045724.D
Acq: 11 Apr 2025 08:15

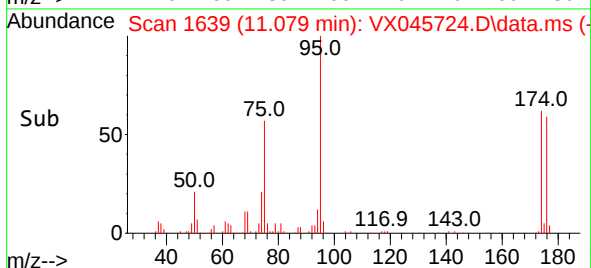
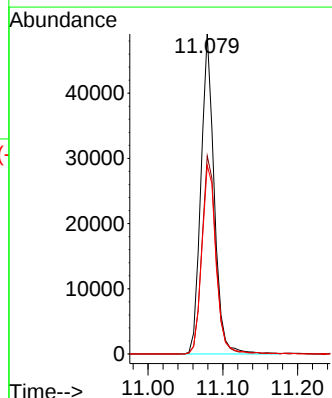
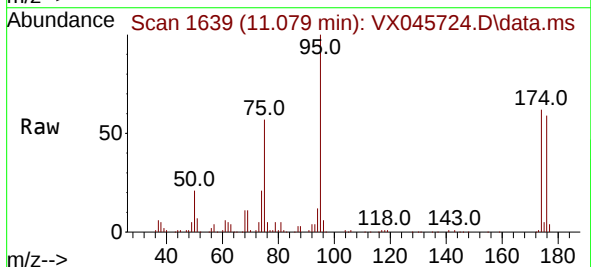
Instrument :
MSVOA_X
ClientSampleId :
TP-2

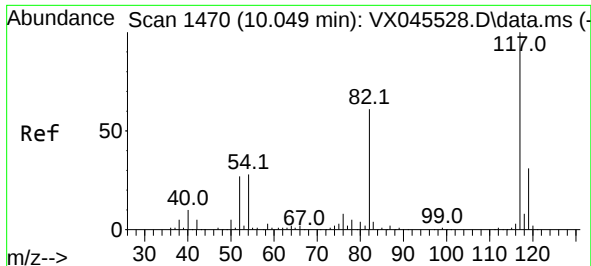
Tgt Ion: 43 Resp: 9943
Ion Ratio Lower Upper
43 100
58 0.0 24.9 74.6#



#62
4-Bromofluorobenzene
Concen: 53.575 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX045724.D
Acq: 11 Apr 2025 08:15

Tgt Ion: 95 Resp: 60544
Ion Ratio Lower Upper
95 100
174 65.5 0.0 135.8
176 62.9 0.0 131.4

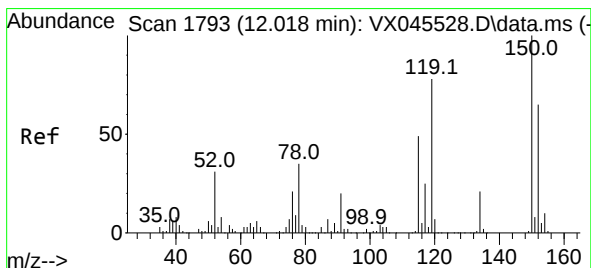
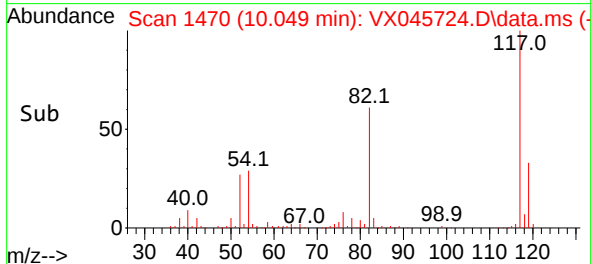
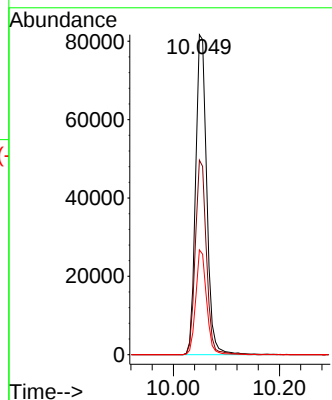
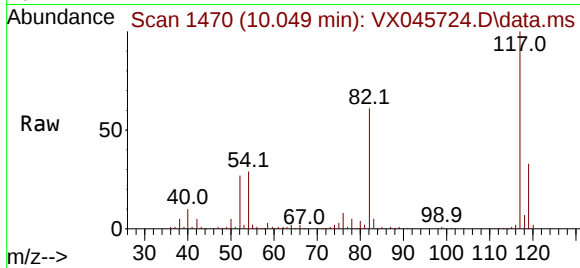




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 1470
Delta R.T. -0.000 min
Lab File: VX045724.D
Acq: 11 Apr 2025 08:15

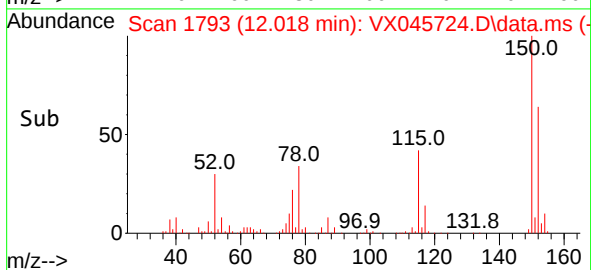
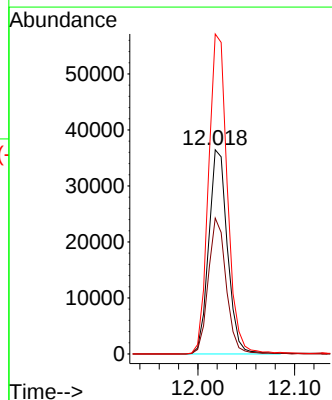
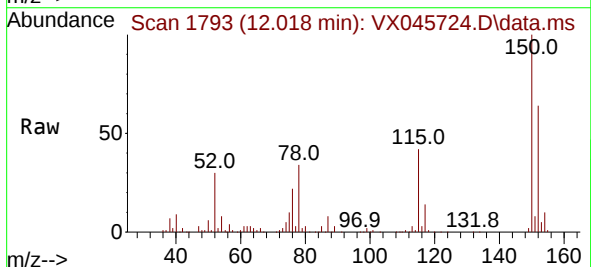
Instrument :
MSVOA_X
ClientSampleId :
TP-2

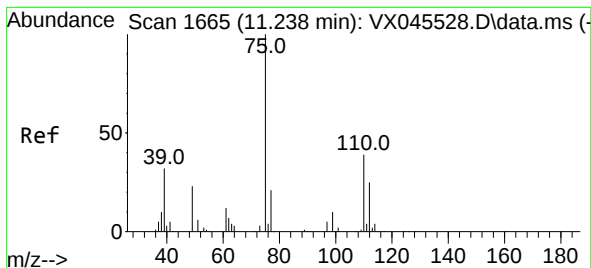
Tgt Ion:117 Resp: 119024
Ion Ratio Lower Upper
117 100
82 60.8 49.2 73.8
119 32.7 25.1 37.7



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VX045724.D
Acq: 11 Apr 2025 08:15

Tgt Ion:152 Resp: 49027
Ion Ratio Lower Upper
152 100
115 63.7 46.9 140.7
150 158.3 0.0 349.4





#76

1,2,3-Trichloropropane

Concen: 29.050 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.159 min

Lab File: VX045724.D

Acq: 11 Apr 2025 08:15

Instrument :

MSVOA_X

ClientSampleId :

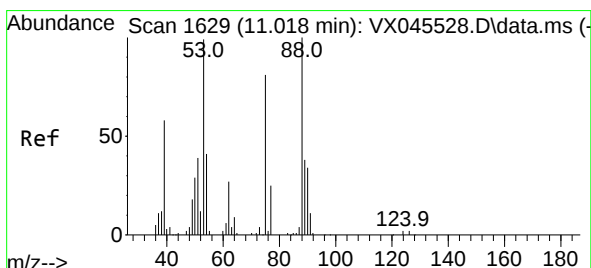
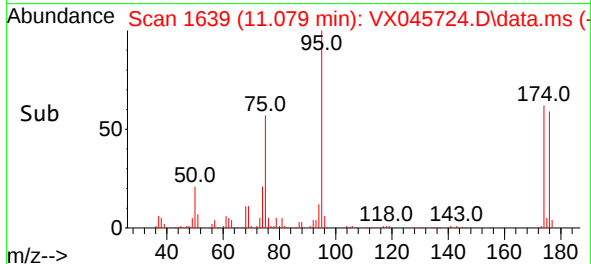
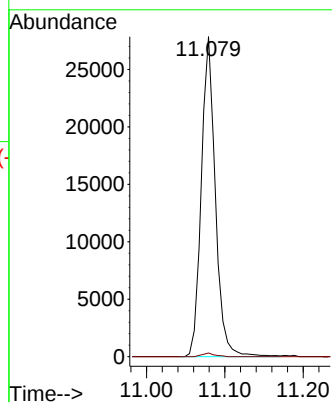
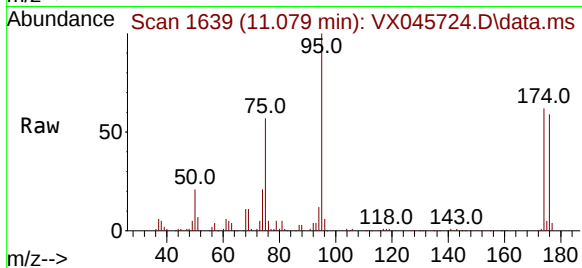
TP-2

Tgt Ion: 75 Resp: 34741

Ion Ratio Lower Upper

75 100

77 1.0 20.0 59.9#



#81

trans-1,4-Dichloro-2-butene

Concen: 98.594 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.061 min

Lab File: VX045724.D

Acq: 11 Apr 2025 08:15

Tgt Ion: 75 Resp: 34741

Ion Ratio Lower Upper

75 100

53 0.0 101.8 152.6#

89 0.0 37.2 55.8#

