

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX031725\
 Data File : VX045304.D
 Acq On : 17 Mar 2025 14:39
 Operator : JC/MD
 Sample : PB167134ZHE#01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB167134ZHE#01

Quant Time: Mar 18 01:27:33 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
 Quant Title : SW846 8260
 QLast Update : Fri Feb 28 06:45:16 2025
 Response via : Initial Calibration

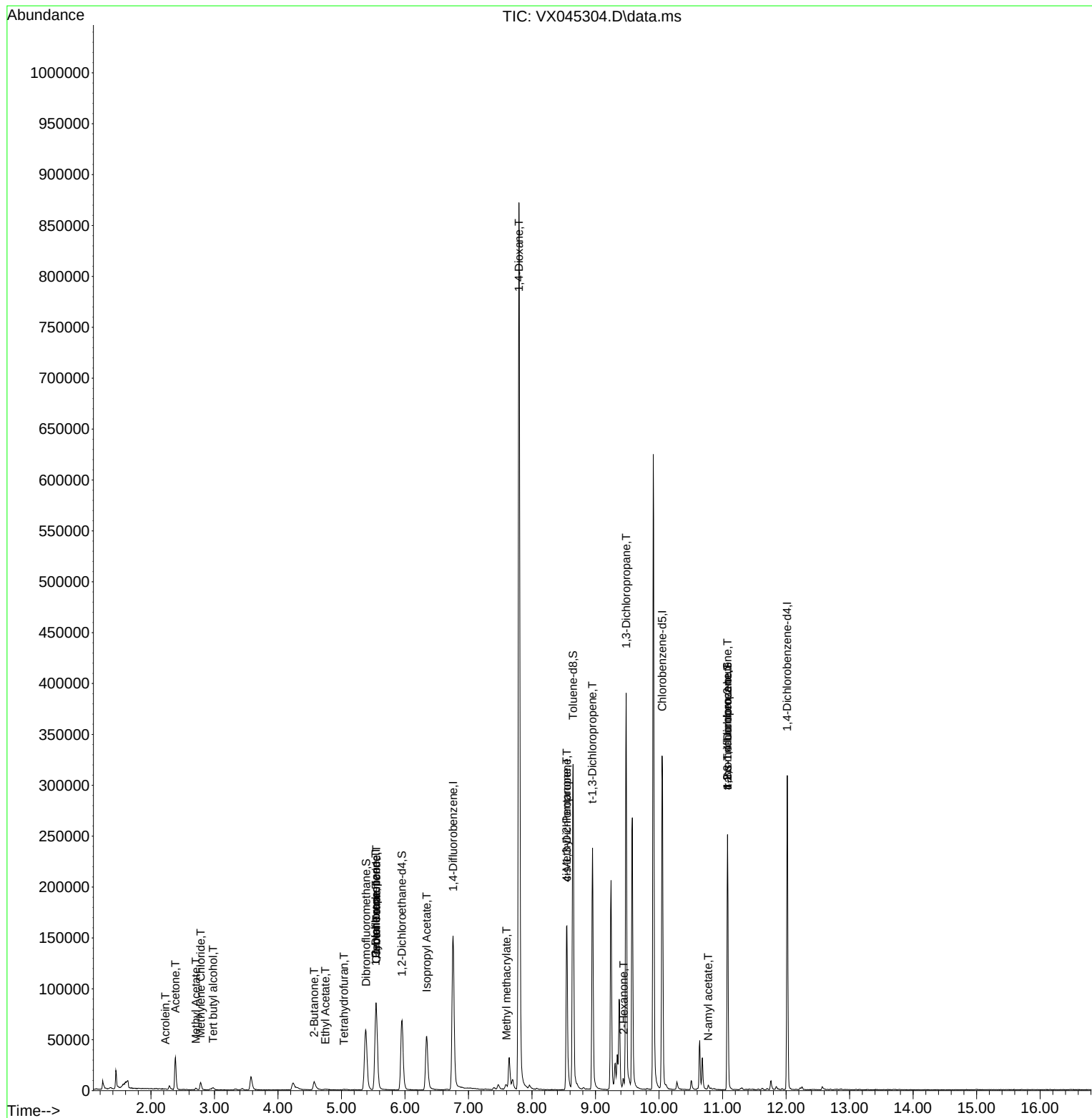
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.544	168	77067	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	150010	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	137425	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	55988	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	66462	54.216	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 108.440%	
35) Dibromofluoromethane	5.385	113	52344	52.183	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 104.360%	
50) Toluene-d8	8.647	98	191139	52.561	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 105.120%	
62) 4-Bromofluorobenzene	11.079	95	64556	53.572	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 107.140%	
Target Compounds						Qvalue
11) Tert butyl alcohol	2.977	59	3052	13.144	ug/l	95
13) Acrolein	2.227	56	106	0.395	ug/l #	75
16) Acetone	2.386	43	33772	59.378	ug/l	100
18) Methyl Acetate	2.709	43	2476	1.810	ug/l	91
20) Methylene Chloride	2.782	84	3330	2.956	ug/l	94
25) 2-Butanone	4.568	43	16524	19.301	ug/l	94
29) Tetrahydrofuran	5.038	42	366	0.637	ug/l #	49
31) Cyclohexane	5.544	56	2094	1.256	ug/l #	9
36) 1,1-Dichloropropene	5.538	75	7282	5.294	ug/l #	50
37) Ethyl Acetate	4.745	43	1270	0.716	ug/l #	85
38) Carbon Tetrachloride	5.550	117	8473	6.067	ug/l #	15
43) Isopropyl Acetate	6.342	43	75675	28.871	ug/l	99
48) Methyl methacrylate	7.598	41	2586	1.967	ug/l #	15
49) 1,4-Dioxane	7.793	88	76	2.740	ug/l #	1
51) 4-Methyl-2-Pentanone	8.543	43	62810	35.689	ug/l #	48
53) t-1,3-Dichloropropene	8.952	75	481	0.372	ug/l #	42
54) cis-1,3-Dichloropropene	8.549	75	25990	17.218	ug/l #	68
57) 1,3-Dichloropropane	9.482	76	3319	1.828	ug/l #	43
59) 2-Hexanone	9.439	43	6931	5.435	ug/l	88
74) N-amyl acetate	10.775	43	2553	1.245	ug/l #	51
76) 1,2,3-Trichloropropane	11.079	75	35425	27.185	ug/l #	36
81) trans-1,4-Dichloro-2-b...	11.079	75	35425	93.031	ug/l #	6

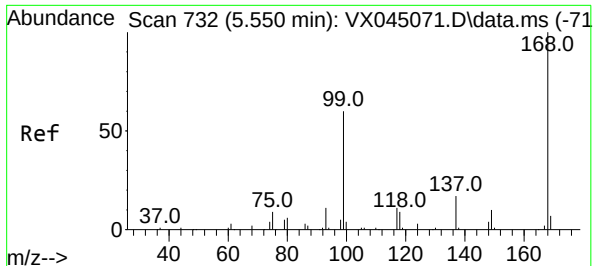
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX031725\
Data File : VX045304.D
Acq On : 17 Mar 2025 14:39
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Sample : PB167134ZHE#01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
PB167134ZHE#01

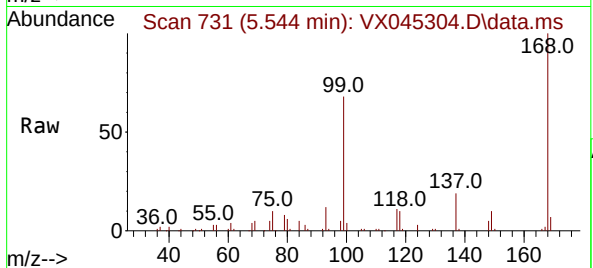
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 2025
Response via : Initial Calibration



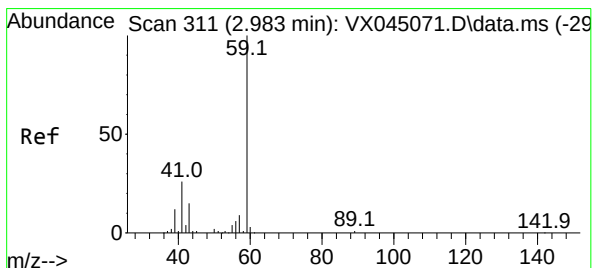
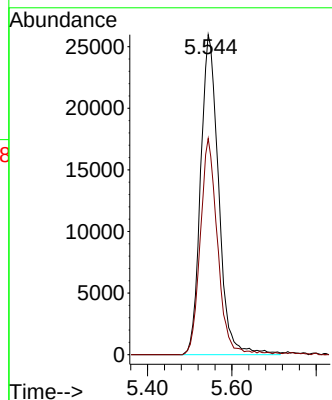
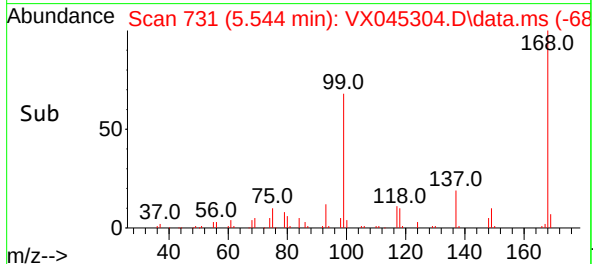


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX045304.D
Acq: 17 Mar 2025 14:39

Instrument :
MSVOA_X
ClientSampleId :
PB167134ZHE#01

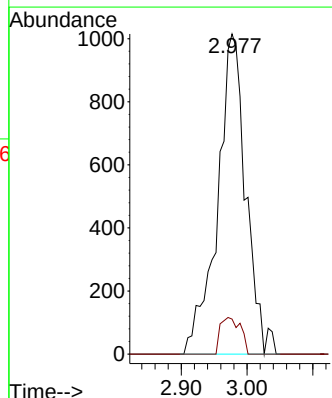
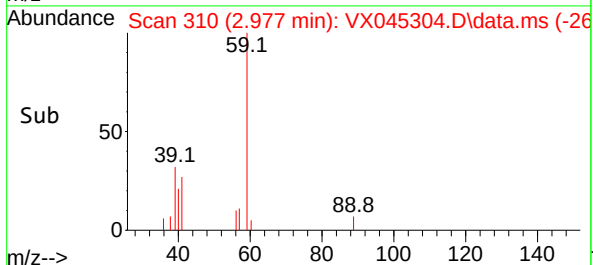
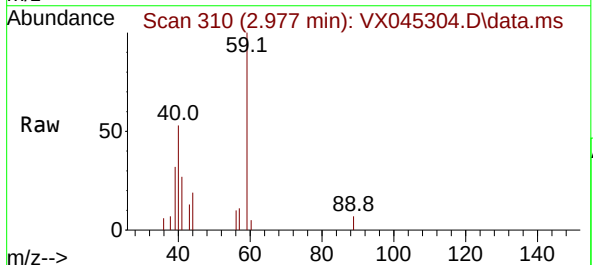


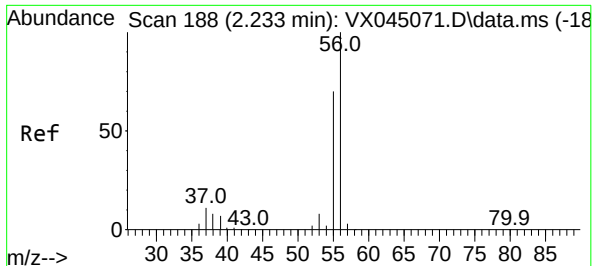
Tgt Ion:168 Resp: 77067
Ion Ratio Lower Upper
168 100
99 67.5 48.2 72.4



#11
Tert butyl alcohol
Concen: 13.144 ug/l
RT: 2.977 min Scan# 310
Delta R.T. -0.006 min
Lab File: VX045304.D
Acq: 17 Mar 2025 14:39

Tgt Ion: 59 Resp: 3052
Ion Ratio Lower Upper
59 100
57 8.1 7.8 11.8





#13

Acrolein

Concen: 0.395 ug/l

RT: 2.227 min Scan# 188

Delta R.T. -0.006 min

Lab File: VX045304.D

Acq: 17 Mar 2025 14:39

Instrument :

MSVOA_X

ClientSampleId :

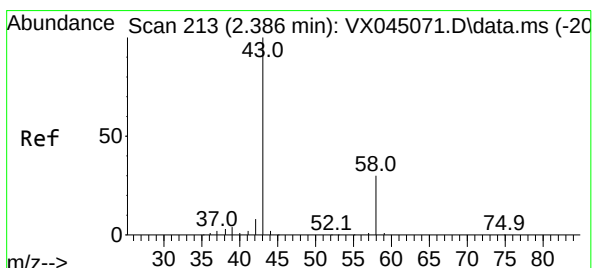
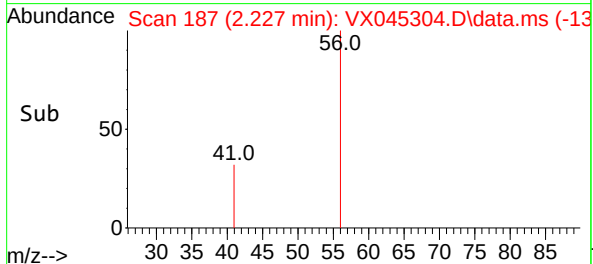
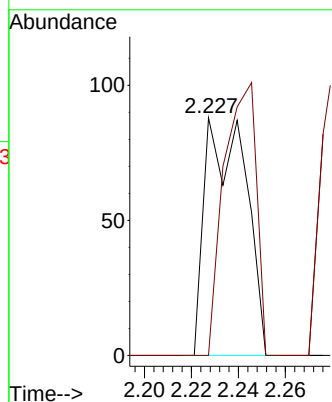
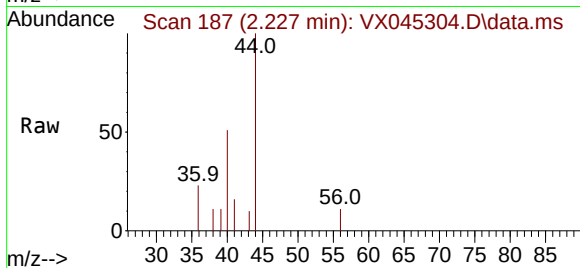
PB167134ZHE#01

Tgt Ion: 56 Resp: 106

Ion Ratio Lower Upper

56 100

55 90.6 56.2 84.4#



#16

Acetone

Concen: 59.378 ug/l

RT: 2.386 min Scan# 213

Delta R.T. 0.000 min

Lab File: VX045304.D

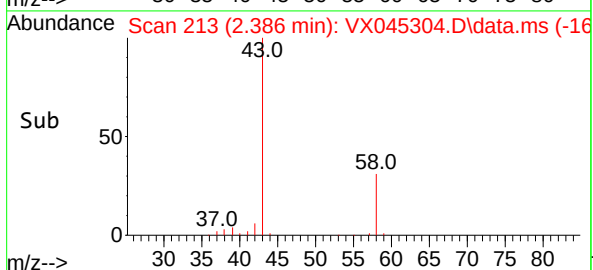
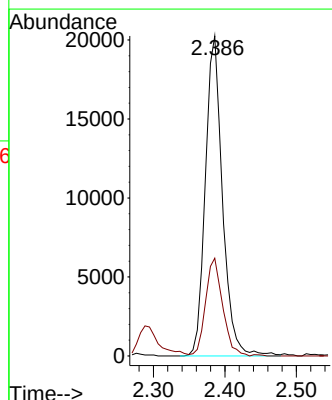
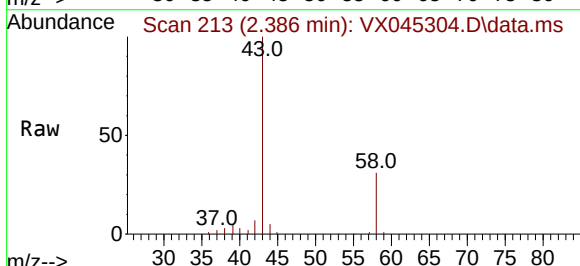
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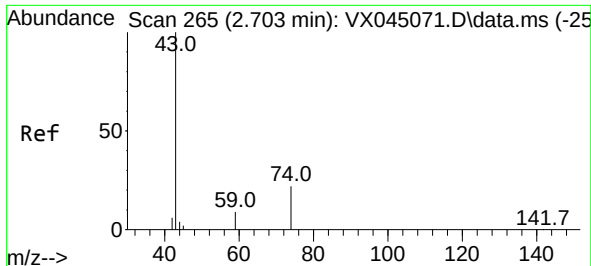
Tgt Ion: 43 Resp: 33772

Ion Ratio Lower Upper

43 100

58 30.5 24.2 36.4

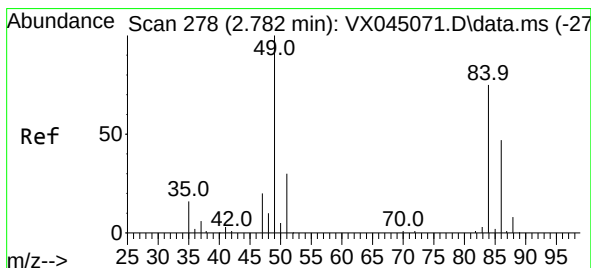
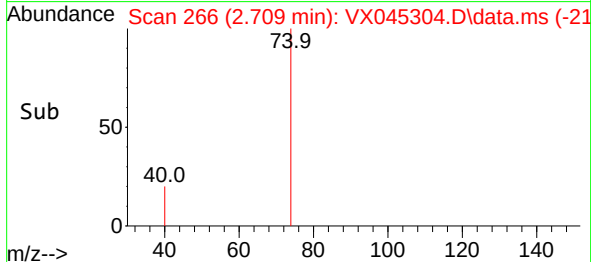
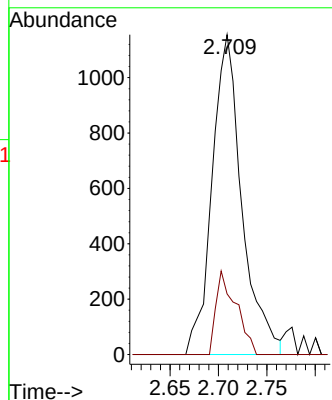
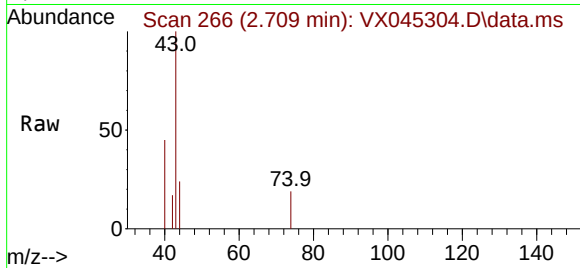




#18
Methyl Acetate
Concen: 1.810 ug/l
RT: 2.709 min Scan# 266
Delta R.T. 0.006 min
Lab File: VX045304.D
Acq: 17 Mar 2025 14:39

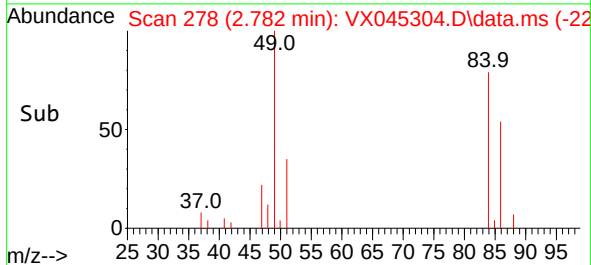
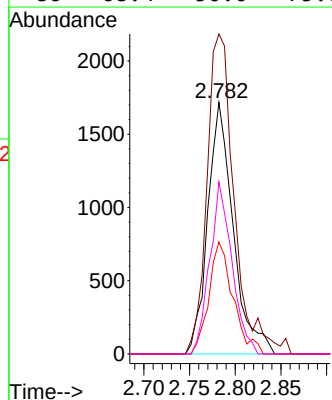
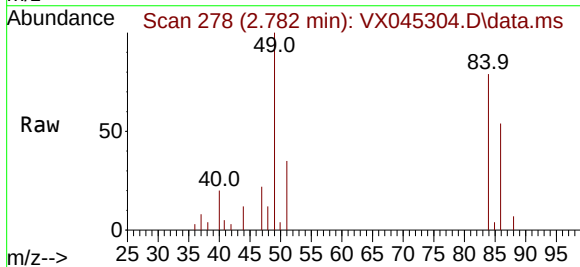
Instrument :
MSVOA_X
ClientSampleId :
PB167134ZHE#01

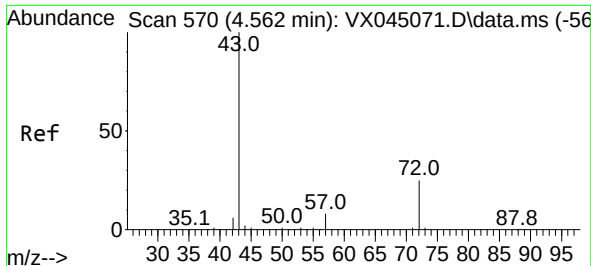
Tgt Ion: 43 Resp: 2476
Ion Ratio Lower Upper
43 100
74 17.6 17.4 26.2



#20
Methylene Chloride
Concen: 2.956 ug/l
RT: 2.782 min Scan# 278
Delta R.T. 0.000 min
Lab File: VX045304.D
Acq: 17 Mar 2025 14:39

Tgt Ion: 84 Resp: 3330
Ion Ratio Lower Upper
84 100
49 127.3 106.5 159.7
51 44.4 32.1 48.1
86 68.4 50.0 75.0

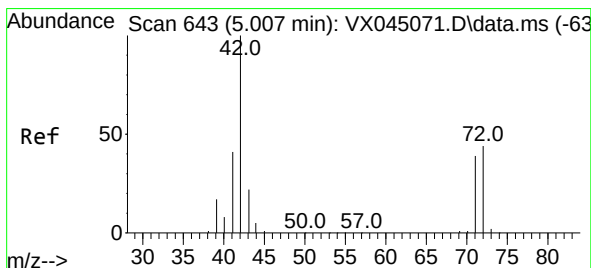
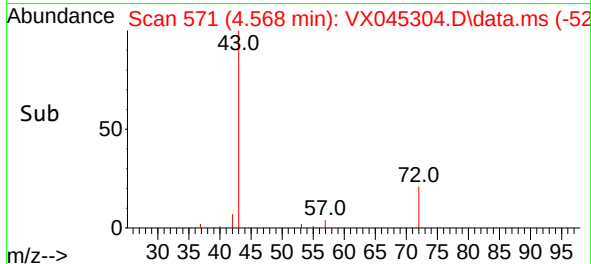
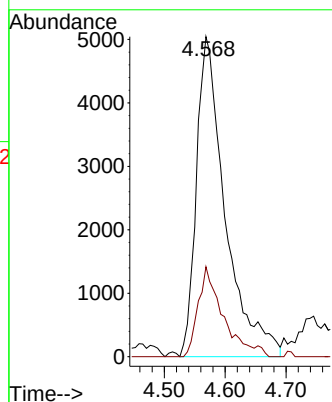
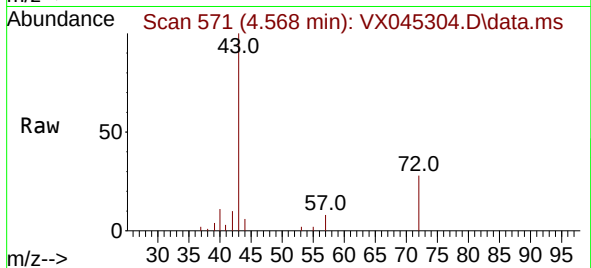




#25
2-Butanone
Concen: 19.301 ug/l
RT: 4.568 min Scan# 51
Delta R.T. 0.006 min
Lab File: VX045304.D
Acq: 17 Mar 2025 14:39

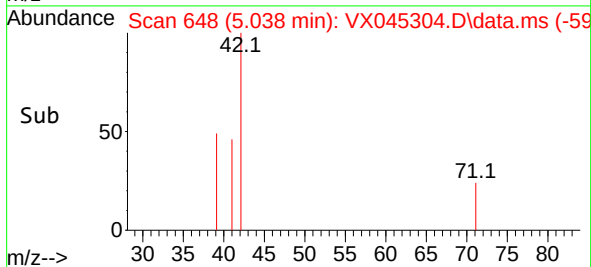
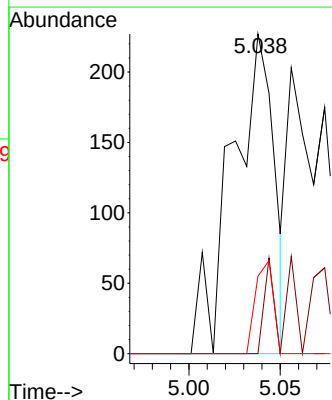
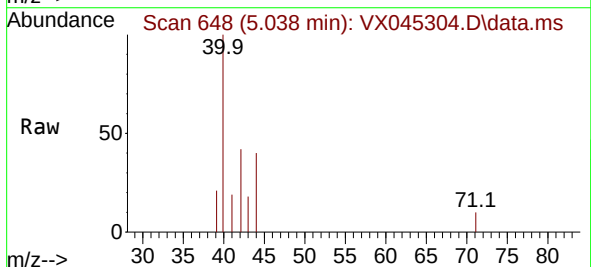
Instrument :
MSVOA_X
ClientSampleId :
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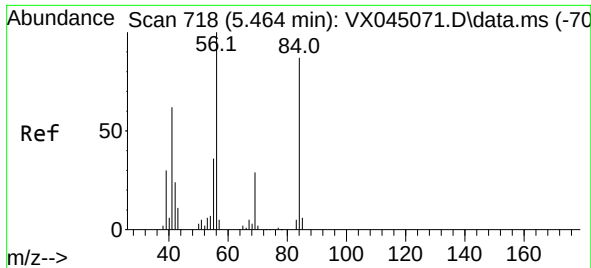
Tgt Ion: 43 Resp: 16524
Ion Ratio Lower Upper
43 100
72 28.1 20.0 30.0



#29
Tetrahydrofuran
Concen: 0.637 ug/l
RT: 5.038 min Scan# 648
Delta R.T. 0.031 min
Lab File: VX045304.D
Acq: 17 Mar 2025 14:39

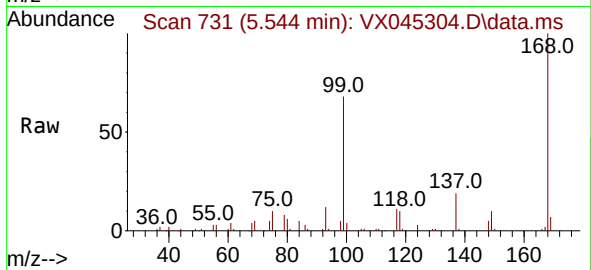
Tgt Ion: 42 Resp: 366
Ion Ratio Lower Upper
42 100
72 6.8 34.1 51.1#
71 12.0 31.4 47.0#



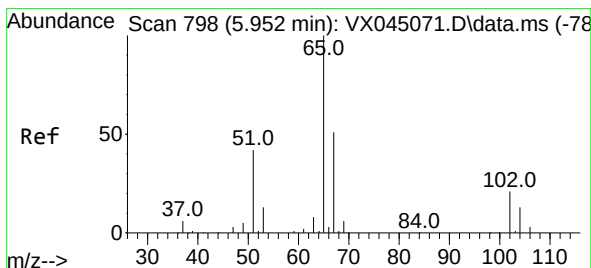
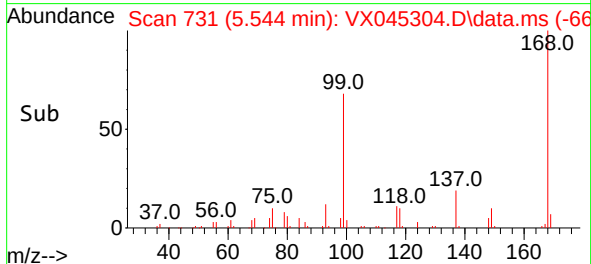
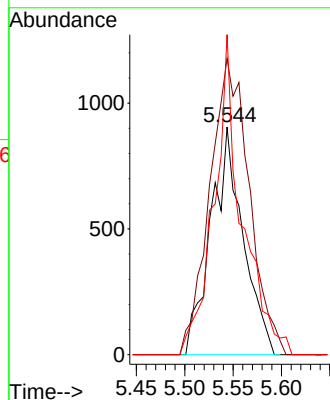


#31
Cyclohexane
Concen: 1.256 ug/l
RT: 5.544 min Scan# 718
Delta R.T. 0.079 min
Lab File: VX045304.D
Acq: 17 Mar 2025 14:39

Instrument :
MSVOA_X
ClientSampleId :
PB167134ZHE#01

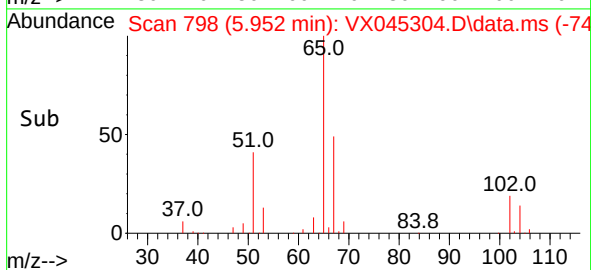
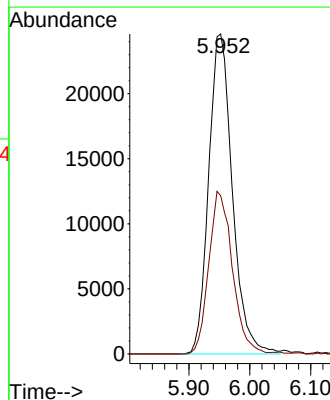
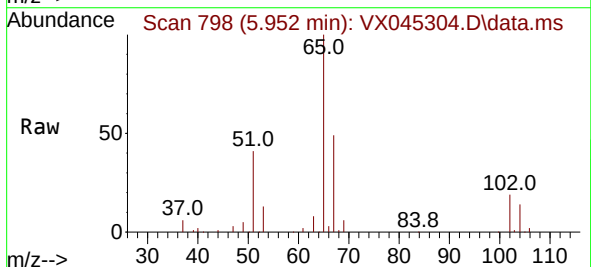


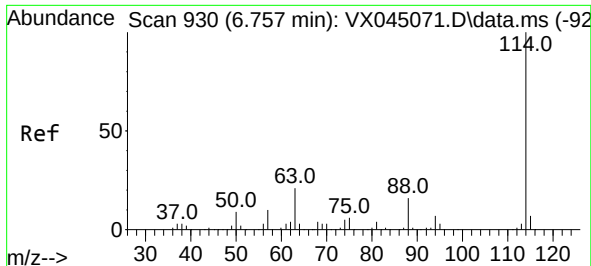
Tgt Ion: 56 Resp: 2094
Ion Ratio Lower Upper
56 100
69 130.1 23.4 35.2#
84 140.6 69.4 104.2#



#33
1,2-Dichloroethane-d4
Concen: 54.216 ug/l
RT: 5.952 min Scan# 798
Delta R.T. 0.000 min
Lab File: VX045304.D
Acq: 17 Mar 2025 14:39

Tgt Ion: 65 Resp: 66462
Ion Ratio Lower Upper
65 100
67 50.6 0.0 106.2

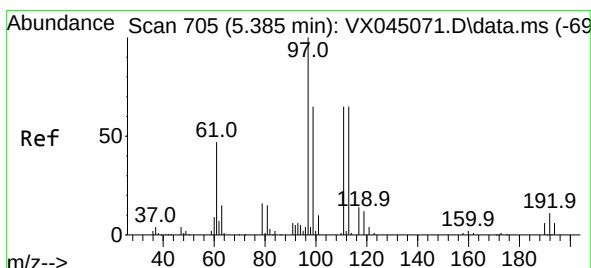
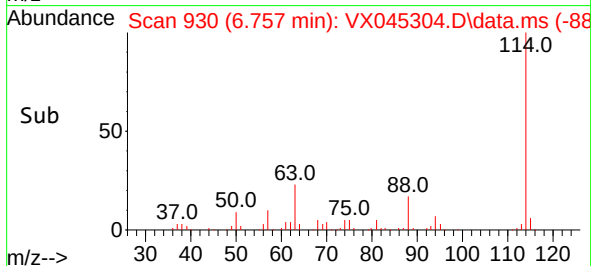
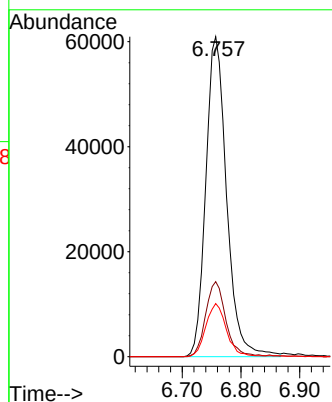
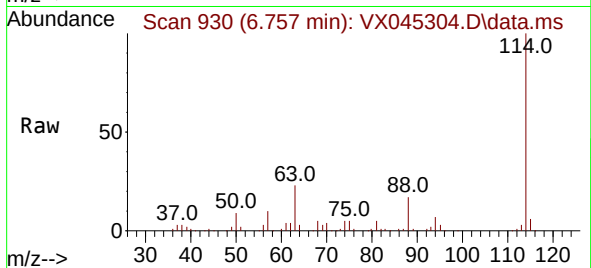




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 91
Delta R.T. 0.000 min
Lab File: VX045304.D
Acq: 17 Mar 2025 14:39

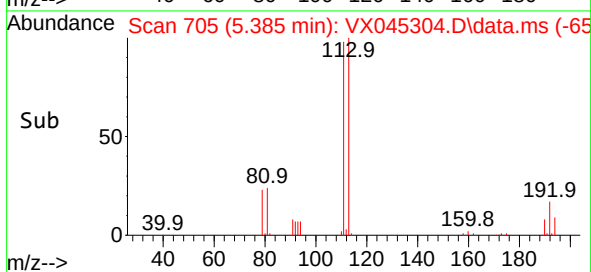
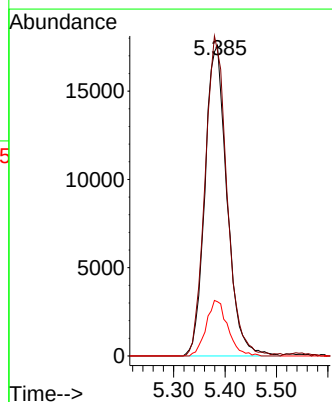
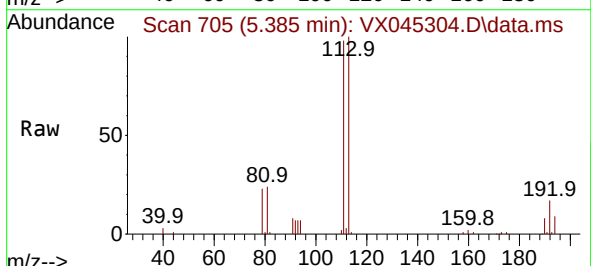
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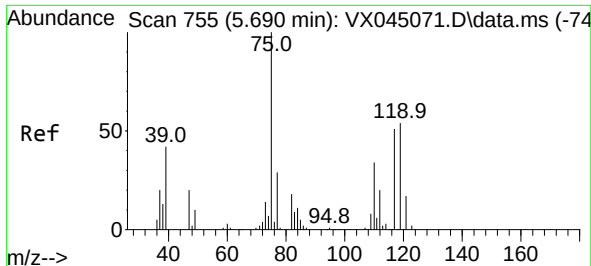
Tgt Ion:114 Resp: 150010
Ion Ratio Lower Upper
114 100
63 23.5 0.0 41.8
88 16.6 0.0 32.8



#35
Dibromofluoromethane
Concen: 52.183 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX045304.D
Acq: 17 Mar 2025 14:39

Tgt Ion:113 Resp: 52344
Ion Ratio Lower Upper
113 100
111 102.8 81.8 122.6
192 17.5 14.3 21.5

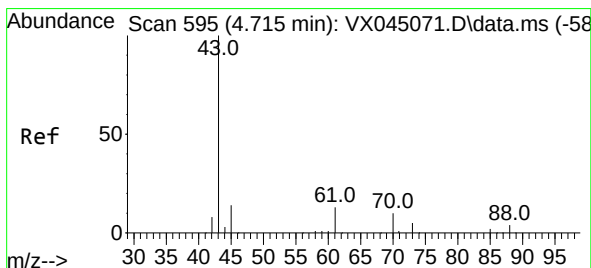
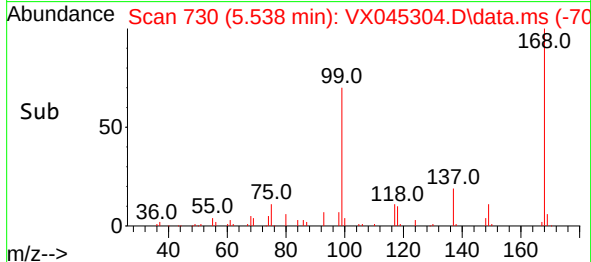
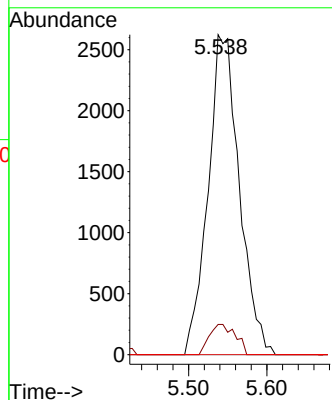
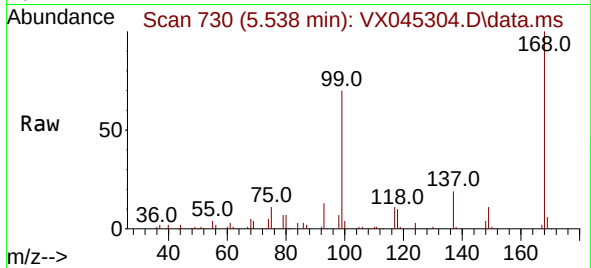




#36
1,1-Dichloropropene
Concen: 5.294 ug/l
RT: 5.538 min Scan# 71
Delta R.T. -0.152 min
Lab File: VX045304.D
Acq: 17 Mar 2025 14:39

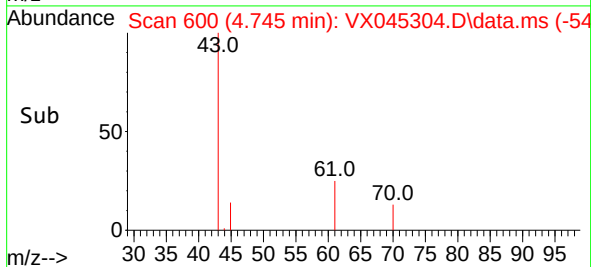
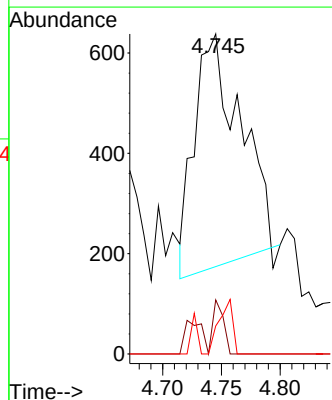
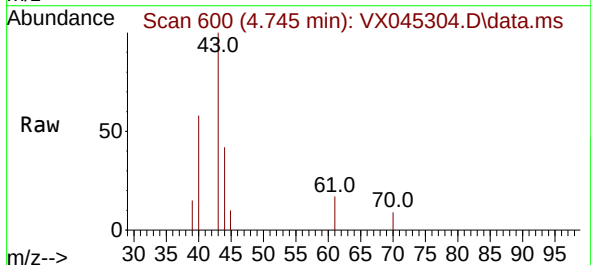
Instrument :
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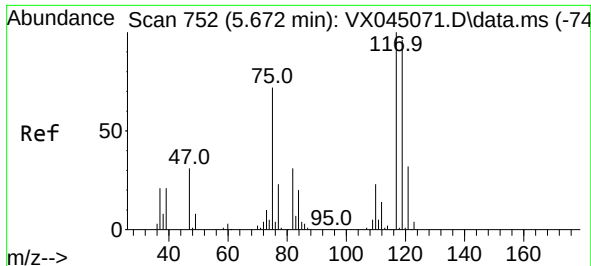
Tgt Ion: 75 Resp: 7282
Ion Ratio Lower Upper
75 100
110 7.9 16.9 50.6#
77 0.0 24.5 36.7#



#37
Ethyl Acetate
Concen: 0.716 ug/l
RT: 4.745 min Scan# 600
Delta R.T. 0.031 min
Lab File: VX045304.D
Acq: 17 Mar 2025 14:39

Tgt Ion: 43 Resp: 1270
Ion Ratio Lower Upper
43 100
61 5.3 10.8 16.2#
70 7.0 7.7 11.5#

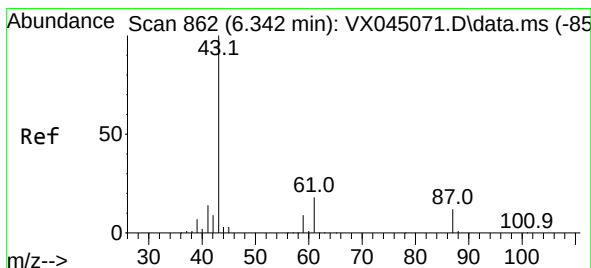
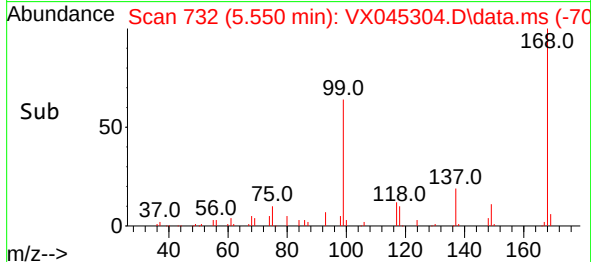
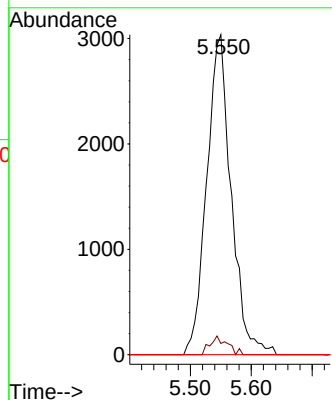
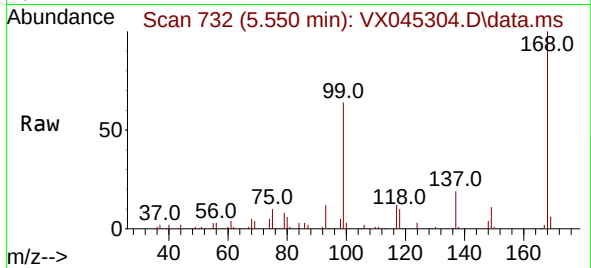




#38
Carbon Tetrachloride
Concen: 6.067 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.122 min
Lab File: VX045304.D
Acq: 17 Mar 2025 14:39

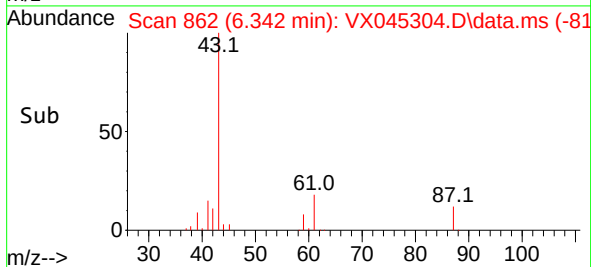
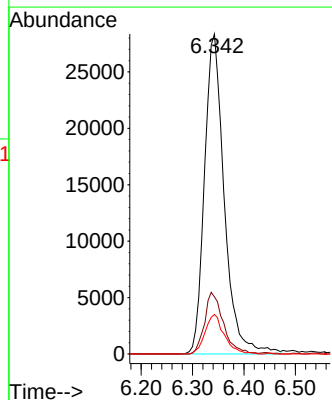
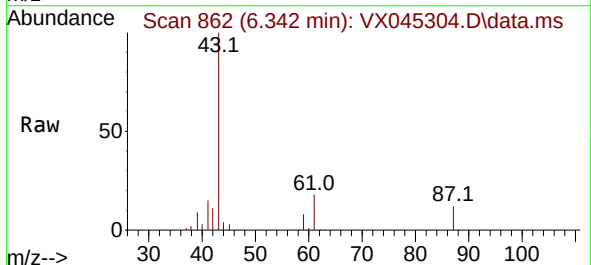
Instrument :
MSVOA_X
ClientSampleId :
PB167134ZHE#01

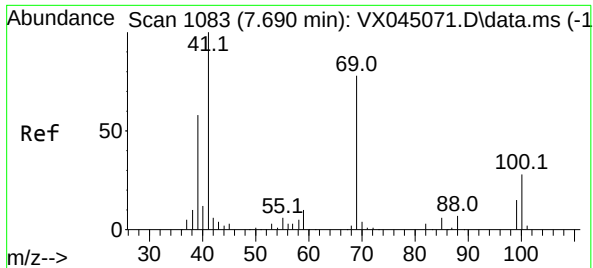
Tgt Ion:117 Resp: 8473
Ion Ratio Lower Upper
117 100
119 3.5 76.7 115.1#
121 0.0 25.5 38.3#



#43
Isopropyl Acetate
Concen: 28.871 ug/l
RT: 6.342 min Scan# 862
Delta R.T. 0.000 min
Lab File: VX045304.D
Acq: 17 Mar 2025 14:39

Tgt Ion: 43 Resp: 75675
Ion Ratio Lower Upper
43 100
61 18.3 14.9 22.3
87 11.9 9.4 14.2

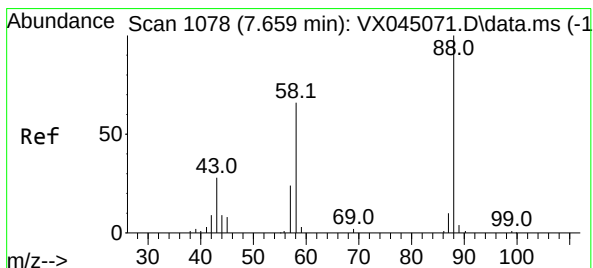
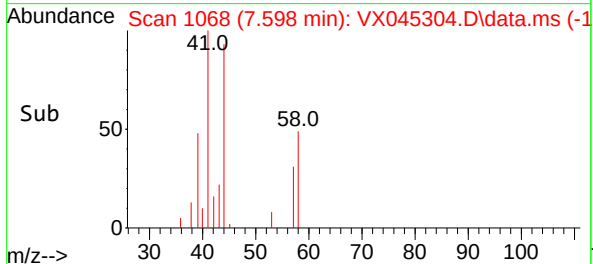
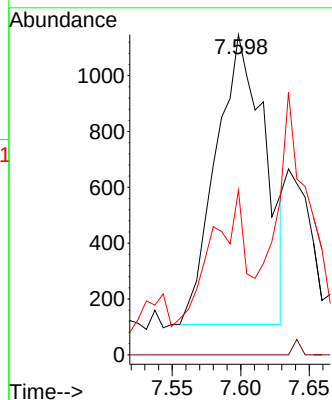
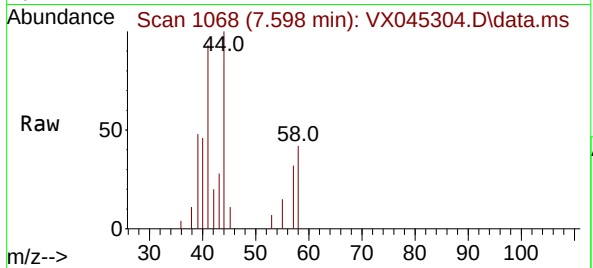




#48
Methyl methacrylate
Concen: 1.967 ug/l
RT: 7.598 min Scan# 1100
Delta R.T. -0.091 min
Lab File: VX045304.D
Acq: 17 Mar 2025 14:39

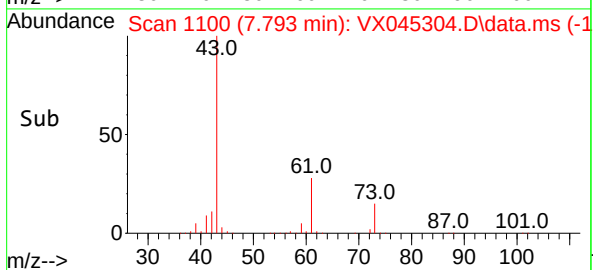
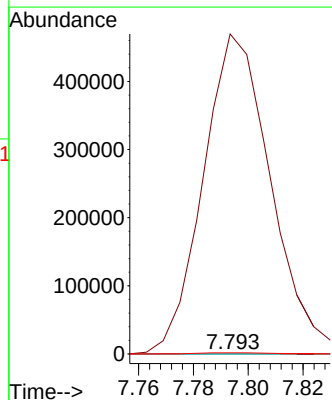
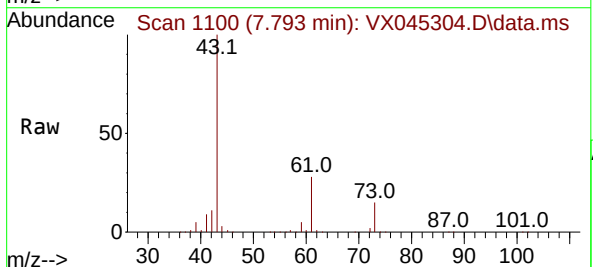
Instrument :
MSVOA_X
ClientSampleId :
PB167134ZHE#01

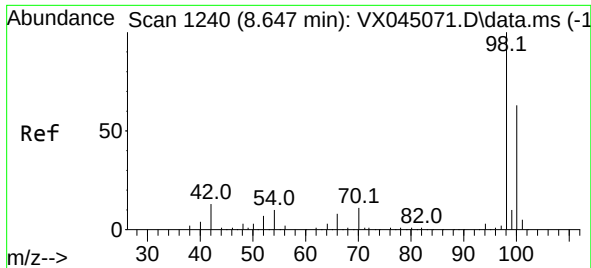
Tgt Ion: 41 Resp: 2586
Ion Ratio Lower Upper
41 100
69 0.0 63.0 94.6#
39 0.0 47.5 71.3#



#49
1,4-Dioxane
Concen: 2.740 ug/l
RT: 7.793 min Scan# 1100
Delta R.T. 0.134 min
Lab File: VX045304.D
Acq: 17 Mar 2025 14:39

Tgt Ion: 88 Resp: 76
Ion Ratio Lower Upper
88 100
43 1086332.9 28.7 43.1#
58 4707.9 55.8 83.8#

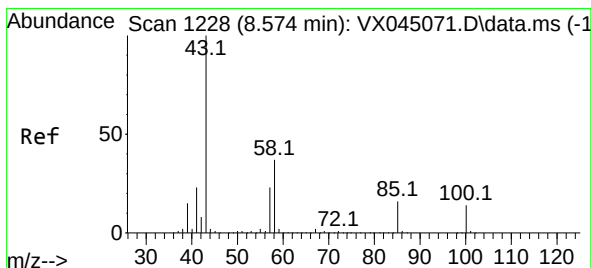
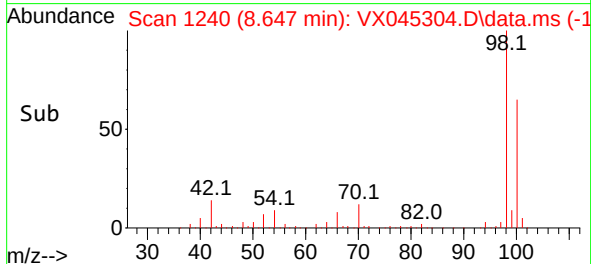
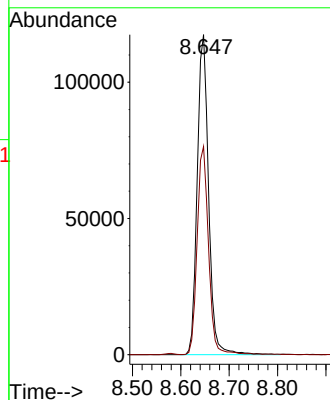
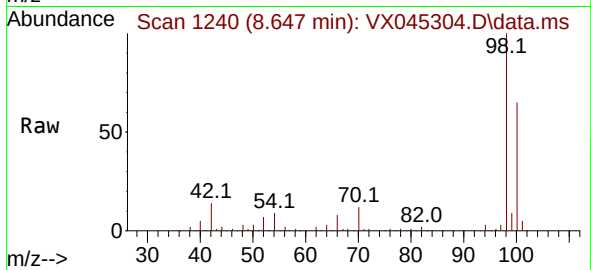




#50
Toluene-d8
Concen: 52.561 ug/l
RT: 8.647 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX045304.D
Acq: 17 Mar 2025 14:39

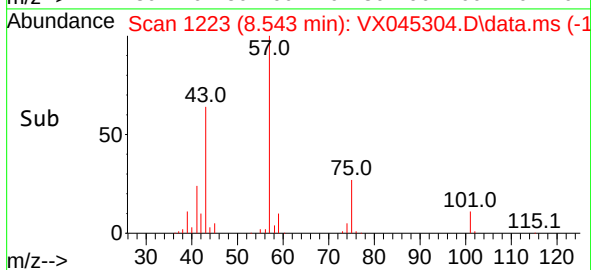
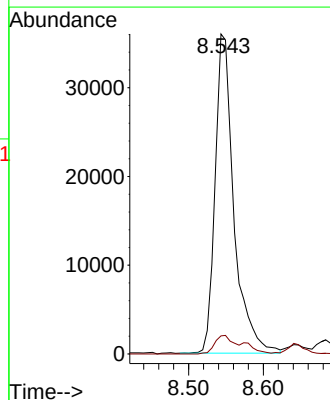
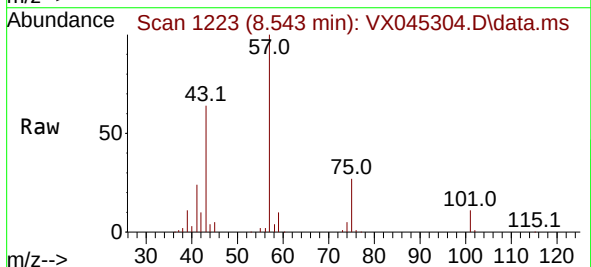
Instrument :
MSVOA_X
ClientSampleId :
PB167134ZHE#01

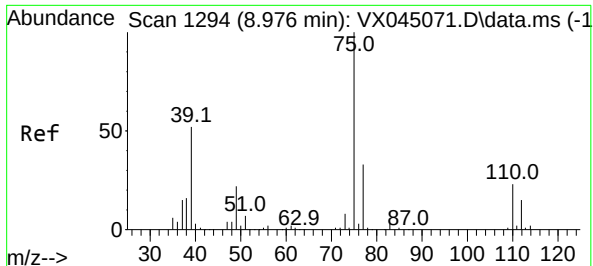
Tgt Ion: 98 Resp: 191139
Ion Ratio Lower Upper
98 100
100 65.5 52.0 78.0



#51
4-Methyl-2-Pentanone
Concen: 35.689 ug/l
RT: 8.543 min Scan# 1223
Delta R.T. -0.030 min
Lab File: VX045304.D
Acq: 17 Mar 2025 14:39

Tgt Ion: 43 Resp: 62810
Ion Ratio Lower Upper
43 100
58 6.0 29.2 43.8#





#53

t-1,3-Dichloropropene

Concen: 0.372 ug/l

RT: 8.952 min Scan# 11

Delta R.T. -0.024 min

Lab File: VX045304.D

Acq: 17 Mar 2025 14:39

Instrument :

MSVOA_X

ClientSampleId :

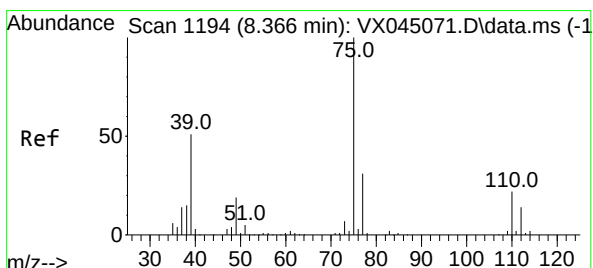
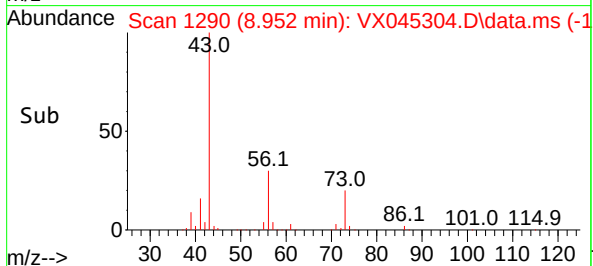
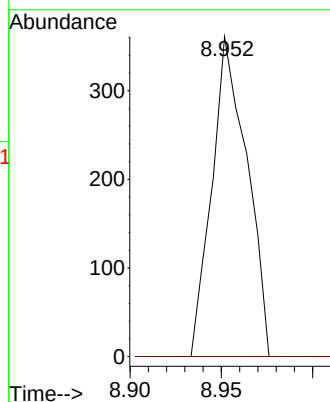
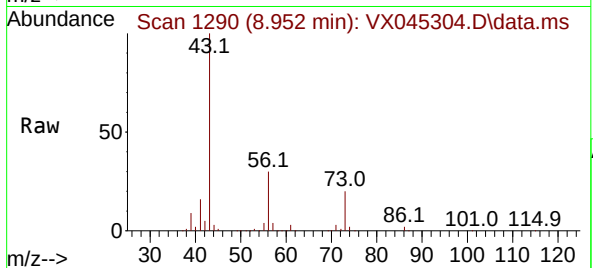
PB167134ZHE#01

Tgt Ion: 75 Resp: 481

Ion Ratio Lower Upper

75 100

77 0.0 26.5 39.7#



#54

cis-1,3-Dichloropropene

Concen: 17.218 ug/l

RT: 8.549 min Scan# 1224

Delta R.T. 0.183 min

Lab File: VX045304.D

Acq: 17 Mar 2025 14:39

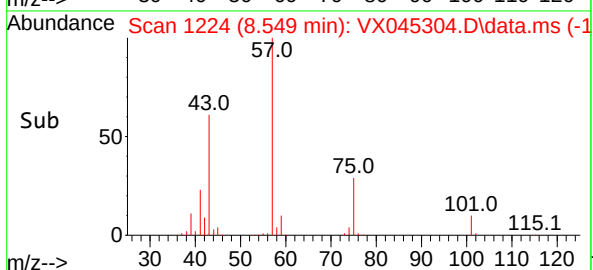
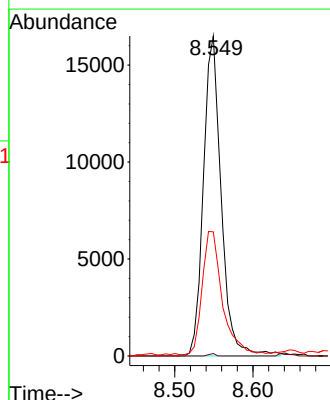
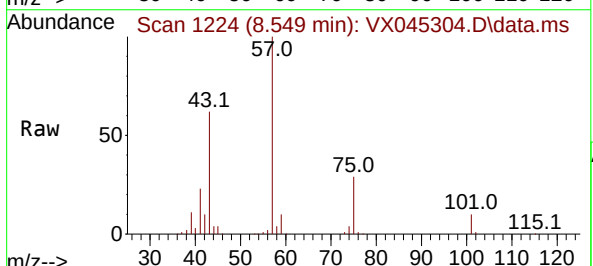
Tgt Ion: 75 Resp: 25990

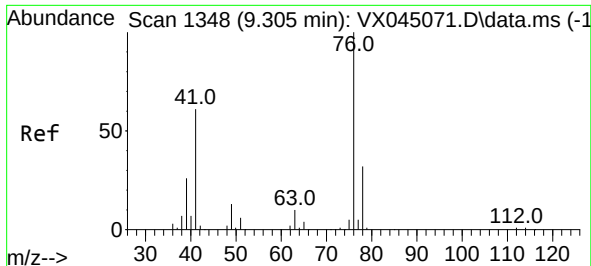
Ion Ratio Lower Upper

75 100

77 0.8 24.7 37.1#

39 38.4 40.7 61.1#





#57

1,3-Dichloropropane

Concen: 1.828 ug/l

RT: 9.482 min Scan# 11

Delta R.T. 0.177 min

Lab File: VX045304.D

Acq: 17 Mar 2025 14:39

Instrument :

MSVOA_X

ClientSampleId :

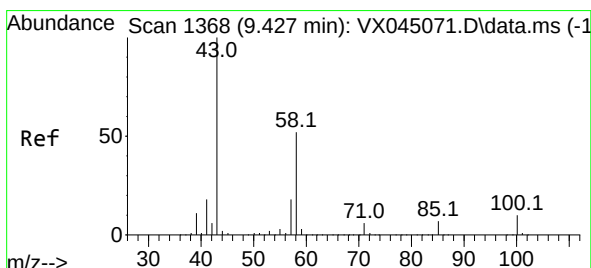
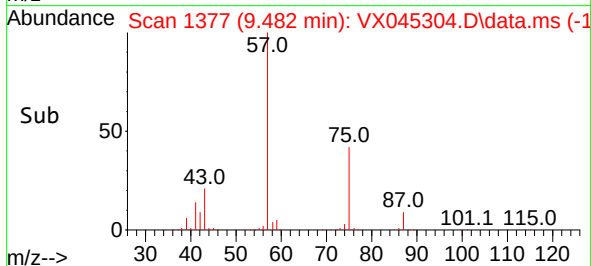
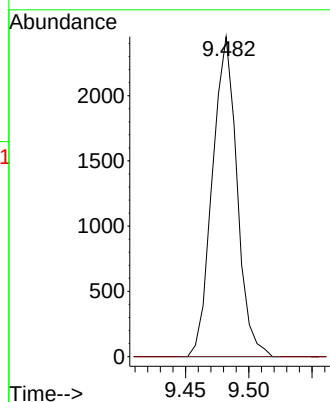
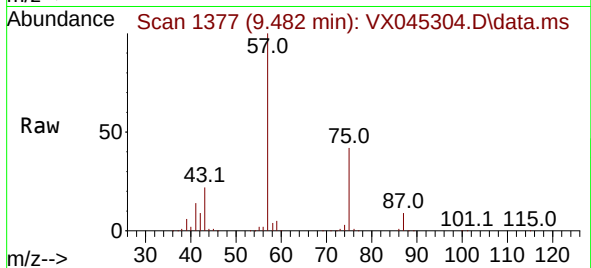
PB167134ZHE#01

Tgt Ion: 76 Resp: 3319

Ion Ratio Lower Upper

76 100

78 0.0 25.5 38.3#



#59

2-Hexanone

Concen: 5.435 ug/l

RT: 9.439 min Scan# 1370

Delta R.T. 0.012 min

Lab File: VX045304.D

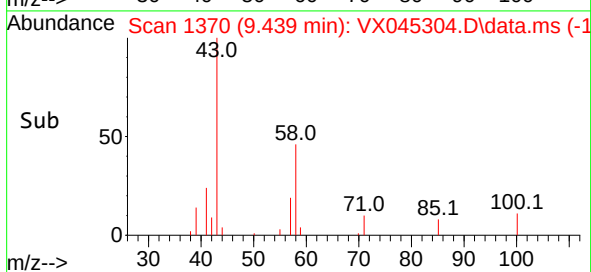
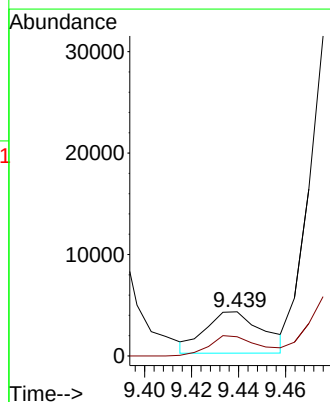
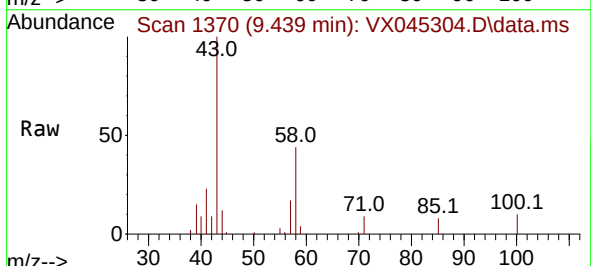
Acq: 17 Mar 2025 14:39

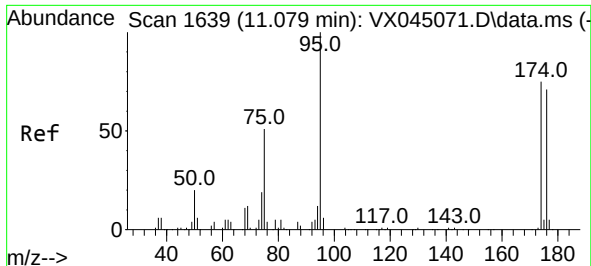
Tgt Ion: 43 Resp: 6931

Ion Ratio Lower Upper

43 100

58 43.4 25.9 77.6

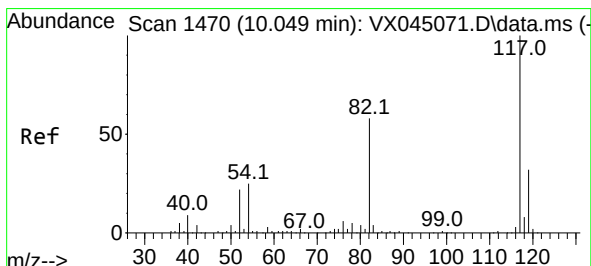
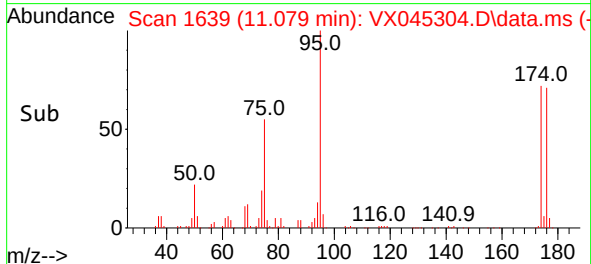
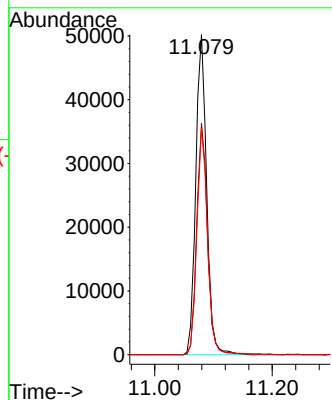
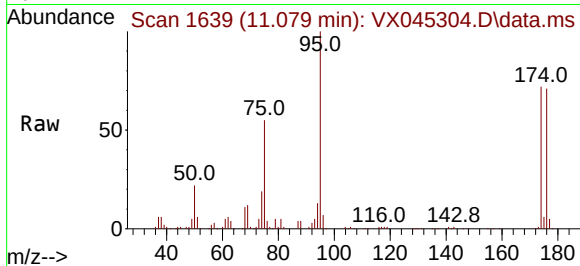




#62
4-Bromofluorobenzene
Concen: 53.572 ug/l
RT: 11.079 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX045304.D
Acq: 17 Mar 2025 14:39

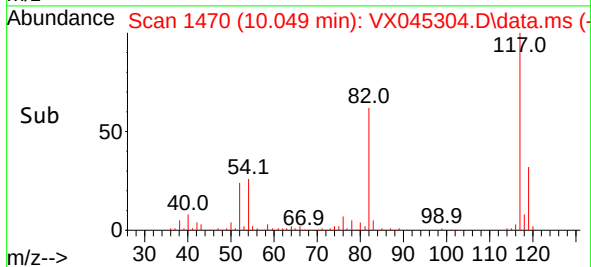
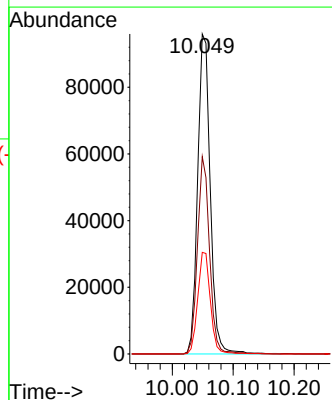
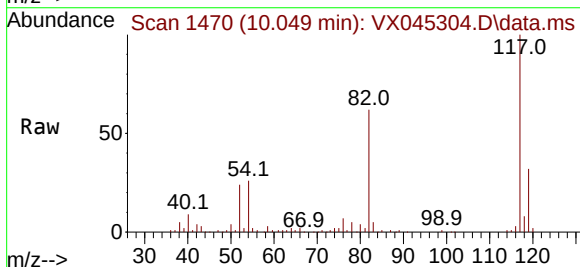
Instrument :
MSVOA_X
ClientSampleId :
PB167134ZHE#01

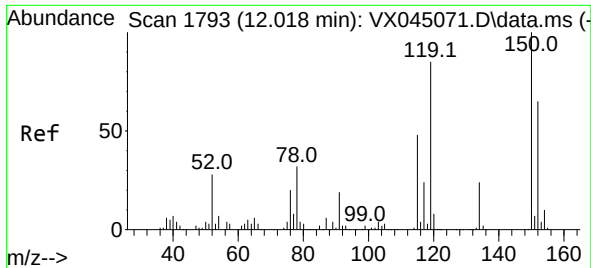
Tgt Ion: 95 Resp: 64556
Ion Ratio Lower Upper
95 100
174 71.5 0.0 148.2
176 68.7 0.0 141.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 1470
Delta R.T. 0.000 min
Lab File: VX045304.D
Acq: 17 Mar 2025 14:39

Tgt Ion: 117 Resp: 137425
Ion Ratio Lower Upper
117 100
82 61.7 46.3 69.5
119 31.8 25.7 38.5

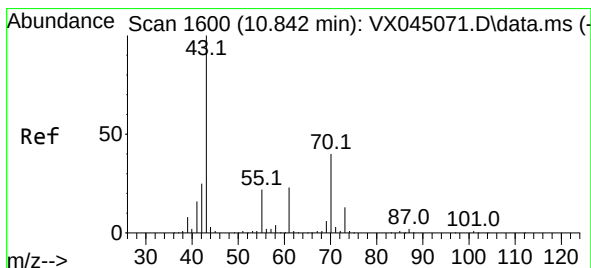
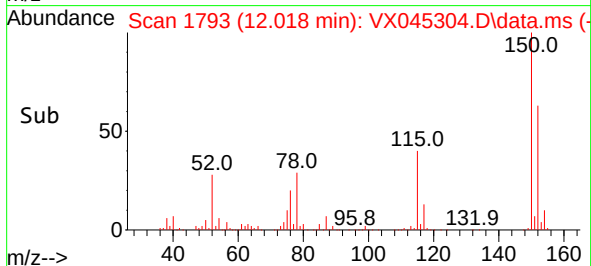
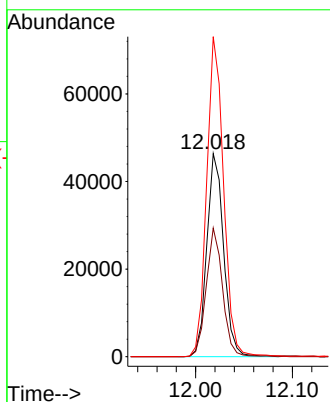
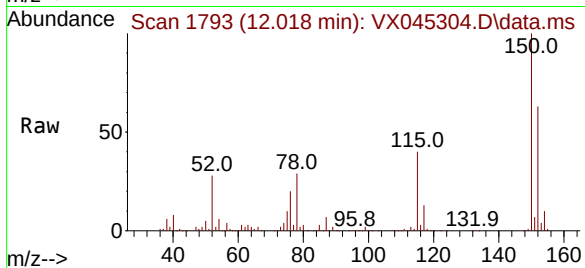




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX045304.D
Acq: 17 Mar 2025 14:39

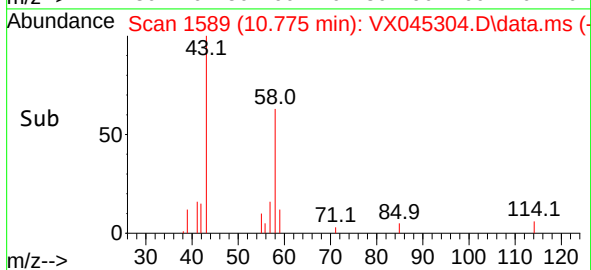
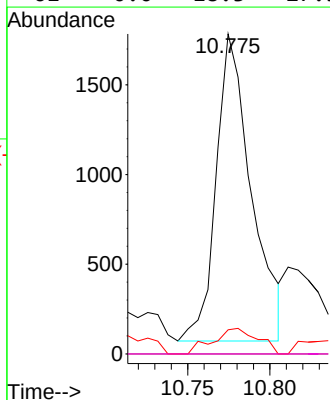
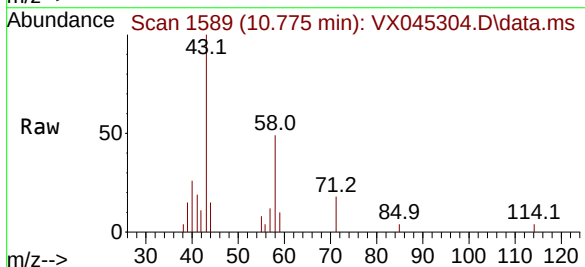
Instrument :
MSVOA_X
ClientSampleId :
PB167134ZHE#01

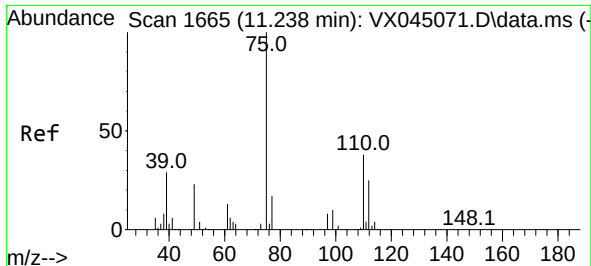
Tgt Ion:152 Resp: 55988
Ion Ratio Lower Upper
152 100
115 61.5 44.2 132.6
150 158.3 0.0 349.0



#74
N-ethyl acetate
Concen: 1.245 ug/l
RT: 10.775 min Scan# 1589
Delta R.T. -0.067 min
Lab File: VX045304.D
Acq: 17 Mar 2025 14:39

Tgt Ion: 43 Resp: 2553
Ion Ratio Lower Upper
43 100
70 0.0 31.8 47.6#
55 10.5 18.3 27.5#
61 0.0 18.3 27.5#

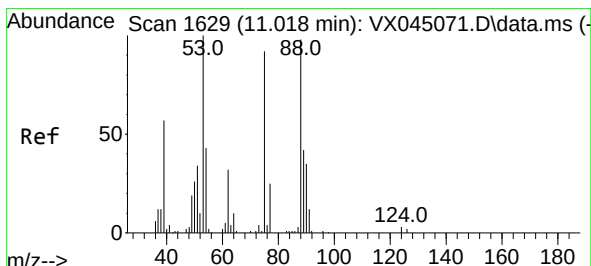
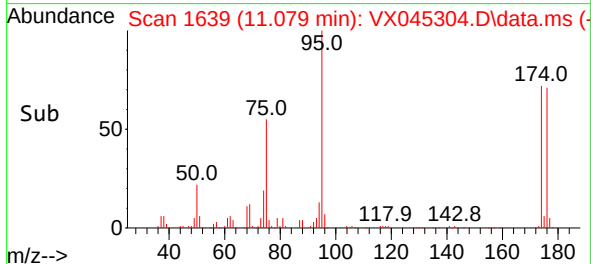
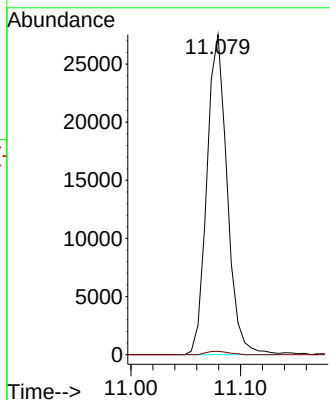
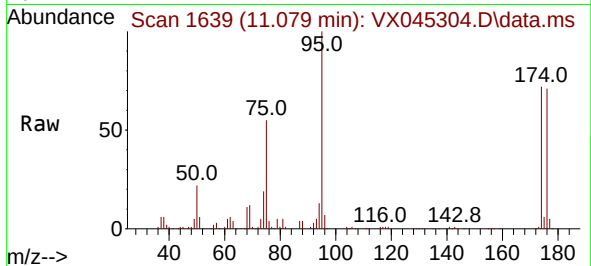




#76
1,2,3-Trichloropropane
Concen: 27.185 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.158 min
Lab File: VX045304.D
Acq: 17 Mar 2025 14:39

Instrument :
MSVOA_X
ClientSampleId :
PB167134ZHE#01

Tgt Ion: 75 Resp: 35425
Ion Ratio Lower Upper
75 100
77 1.2 20.7 62.1#



#81
trans-1,4-Dichloro-2-butene
Concen: 93.031 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX045304.D
Acq: 17 Mar 2025 14:39

Tgt Ion: 75 Resp: 35425
Ion Ratio Lower Upper
75 100
53 0.0 88.5 132.7#
89 0.0 36.2 54.4#

