

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX070825\
 Data File : VX046917.D
 Acq On : 08 Jul 2025 13:45
 Operator : JC/MD
 Sample : IBLK
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 IBLK

Quant Time: Jul 09 05:15:12 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X070225W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jul 09 05:05:09 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.550	168	488080	50.000	ug/l	-0.01
34) 1,4-Difluorobenzene	6.763	114	867510	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	794307	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	386571	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	344446	53.419	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 106.840%	
35) Dibromofluoromethane	5.385	113	290579	49.345	ug/l	-0.01
Spiked Amount	50.000	Range	75 - 124	Recovery	= 98.700%	
50) Toluene-d8	8.647	98	1036486	49.887	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 99.780%	
62) 4-Bromofluorobenzene	11.079	95	392049	49.650	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 99.300%	

Target Compounds				Qvalue		
3) Chloromethane	1.301	50	138	0.027	ug/l #	43
5) Bromomethane	1.648	94	540	0.151	ug/l #	40
6) Chloroethane	1.697	64	88	0.024	ug/l #	42
10) Methyl Iodide	2.477	142	726	0.122	ug/l #	78
13) Acrolein	2.166	56	20	0.040	ug/l #	15
14) Allyl chloride	2.660	41	29	0.003	ug/l #	1
15) Acrylonitrile	3.306	53	23	0.009	ug/l #	17
16) Acetone	2.398	43	570	0.285	ug/l #	42
17) Carbon Disulfide	2.532	76	5021	0.362	ug/l	96
18) Methyl Acetate	2.709	43	311	0.059	ug/l #	53
20) Methylene Chloride	2.807	84	4586	0.774	ug/l #	91
21) trans-1,2-Dichloroethene	3.239	96	20	0.004	ug/l #	1
23) Vinyl Acetate	3.751	43	361	0.026	ug/l #	72
25) 2-Butanone	4.526	43	181	0.068	ug/l #	50
29) Tetrahydrofuran	4.867	42	72	0.042	ug/l #	34
30) Chloroform	5.105	83	34	0.003	ug/l #	18
31) Cyclohexane	5.556	56	10165	1.103	ug/l #	1
32) 1,1,1-Trichloroethane	5.568	97	20	0.002	ug/l #	1
36) 1,1-Dichloropropene	5.556	75	38030	4.787	ug/l #	51
37) Ethyl Acetate	4.721	43	344	0.051	ug/l #	70
38) Carbon Tetrachloride	5.550	117	49630	5.909	ug/l #	16
39) Methylcyclohexane	7.391	83	99	0.010	ug/l #	17
40) Benzene	6.032	78	52	0.002	ug/l #	52
41) Methacrylonitrile	4.934	41	26	0.007	ug/l #	22
42) 1,2-Dichloroethane	6.099	62	639	0.078	ug/l #	74
43) Isopropyl Acetate	6.202	43	315	0.030	ug/l #	61
45) 1,2-Dichloropropane	7.306	63	21	0.003	ug/l #	44
48) Methyl methacrylate	7.702	41	25	0.005	ug/l #	15
49) 1,4-Dioxane	7.708	88	19	0.306	ug/l #	1
51) 4-Methyl-2-Pentanone	8.537	43	149	0.024	ug/l #	37
52) Toluene	8.720	92	50	0.003	ug/l #	1
55) 1,1,2-Trichloroethane	9.013	97	27	0.005	ug/l #	14
56) Ethyl methacrylate	9.013	69	45	0.006	ug/l #	1
59) 2-Hexanone	9.470	43	51	0.013	ug/l #	24
60) Dibromochloromethane	9.567	129	530	0.080	ug/l #	10
61) 1,2-Dibromoethane	9.567	107	249	0.045	ug/l #	3

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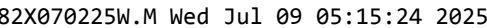
Instrument :
 MSVOA_X
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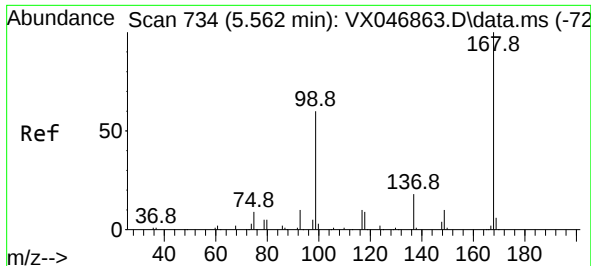
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 Quant Title : SW846 8260
 QLast Update : Wed Jul 09 05:05:09 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
65) Chlorobenzene	10.067	112	260	0.015	ug/l #	38
67) Ethyl Benzene	10.201	91	422	0.014	ug/l #	44
68) m/p-Xylenes	10.311	106	223	0.020	ug/l #	10
70) Styrene	10.683	104	161	0.009	ug/l #	45
71) Bromoform	10.805	173	307	0.072	ug/l #	29
73) Isopropylbenzene	10.964	105	217	0.008	ug/l	81
74) N-amyl acetate	10.829	43	249	0.027	ug/l #	43
75) 1,1,2,2-Tetrachloroethane	11.073	83	241	0.032	ug/l #	1
76) 1,2,3-Trichloropropane	11.384	75	43128	7.220	ug/l	83
77) Bromobenzene	11.079	156	146	0.022	ug/l #	1
78) n-propylbenzene	11.378	91	1557	0.048	ug/l	96
79) 2-Chlorotoluene	11.476	91	679	0.035	ug/l	98
80) 1,3,5-Trimethylbenzene	11.457	105	311	0.014	ug/l	89
81) trans-1,4-Dichloro-2-b...	11.079	75	199447	89.605	ug/l #	8
82) 4-Chlorotoluene	11.476	91	679	0.030	ug/l	95
83) tert-Butylbenzene	11.713	119	320	0.014	ug/l #	65
84) 1,2,4-Trimethylbenzene	11.750	105	122	0.005	ug/l #	59
85) sec-Butylbenzene	11.890	105	531	0.018	ug/l	86
86) p-Isopropyltoluene	12.018	119	1346	0.056	ug/l #	1
87) 1,3-Dichlorobenzene	11.976	146	700	0.055	ug/l #	68
88) 1,4-Dichlorobenzene	12.037	146	530	0.040	ug/l #	24
89) n-Butylbenzene	12.347	91	1245	0.055	ug/l	91
91) 1,2-Dichlorobenzene	12.347	146	297	0.024	ug/l	90
92) 1,2-Dibromo-3-Chloropr...	12.683	75	18	0.014	ug/l #	1
93) 1,2,4-Trichlorobenzene	13.597	180	746	0.090	ug/l	92
94) Hexachlorobutadiene	13.603	225	445	0.142	ug/l	86
95) Naphthalene	13.768	128	162	0.007	ug/l #	69
96) 1,2,3-Trichlorobenzene	13.969	180	591	0.075	ug/l	83

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

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.550 min Scan# 71

Delta R.T. -0.012 min

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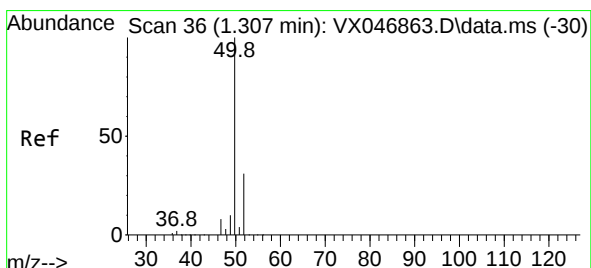
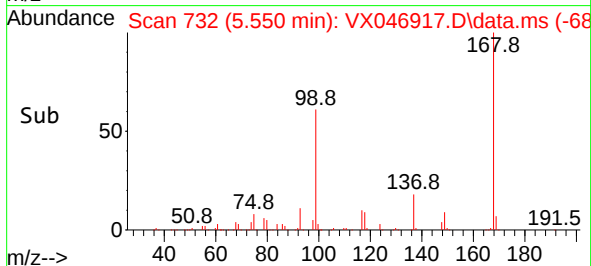
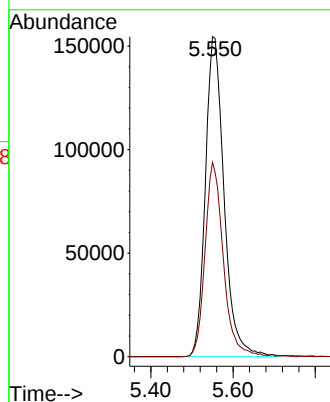
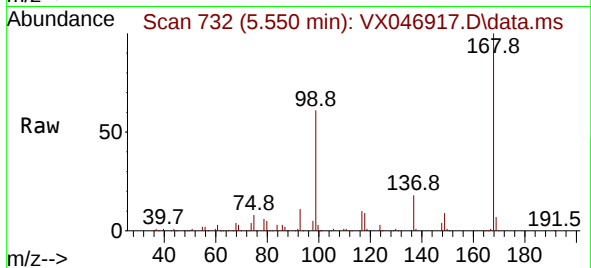
IBLK

Tgt Ion:168 Resp: 488080

Ion Ratio Lower Upper

168 100

99 60.7 48.8 73.2



#3

Chloromethane

Concen: 0.027 ug/l

RT: 1.301 min Scan# 35

Delta R.T. -0.006 min

Lab File: VX046917.D

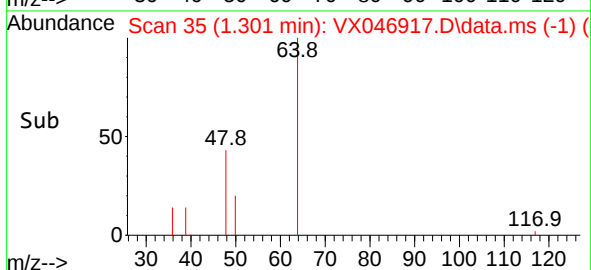
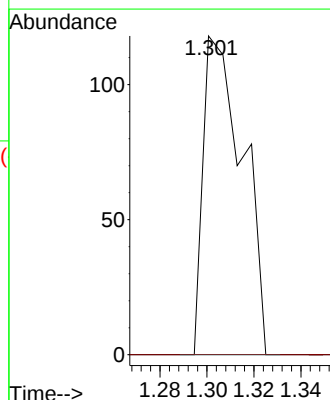
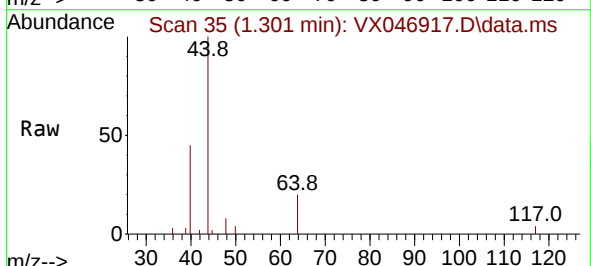
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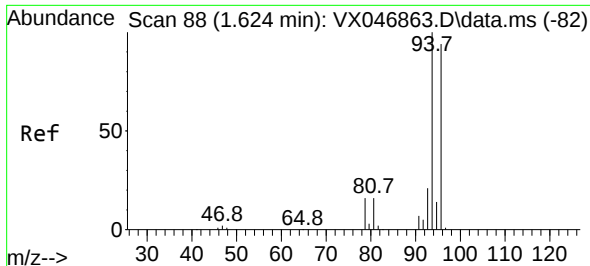
Tgt Ion: 50 Resp: 138

Ion Ratio Lower Upper

50 100

52 0.0 25.0 37.4#

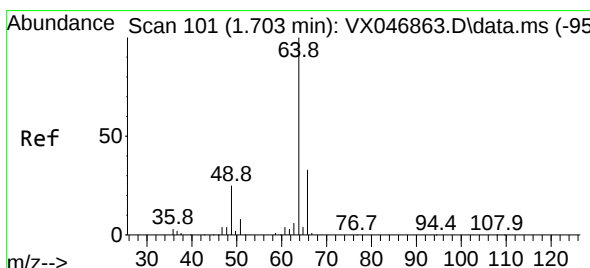
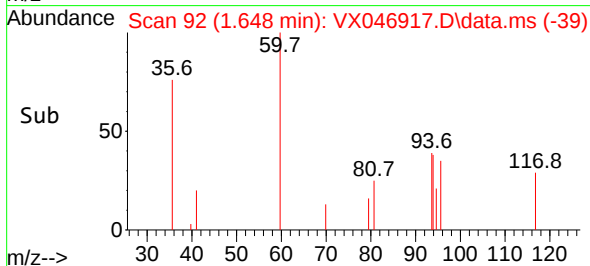
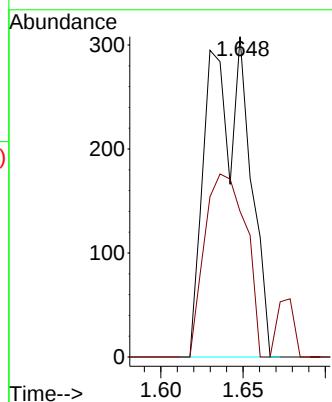
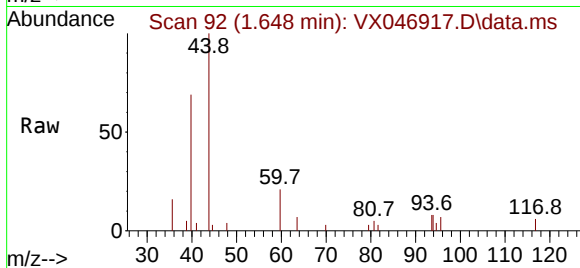




#5
Bromomethane
Concen: 0.151 ug/l
RT: 1.648 min Scan# 91
Delta R.T. 0.024 min
Lab File: VX046917.D
Acq: 08 Jul 2025 13:45

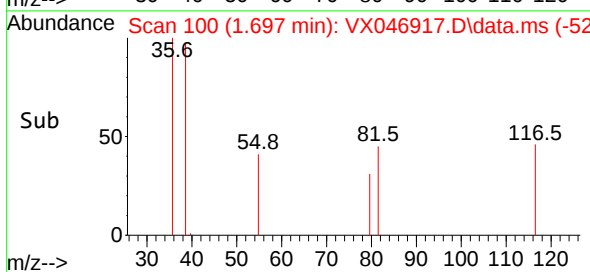
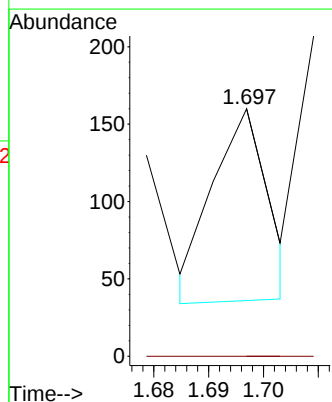
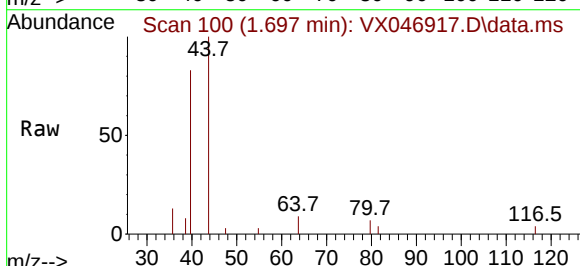
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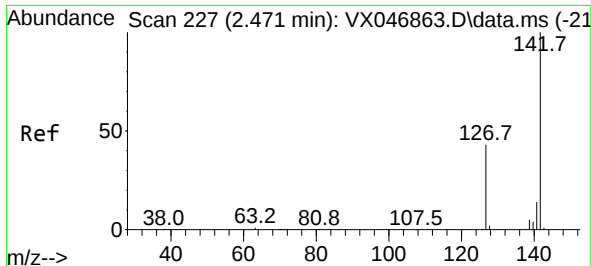
Tgt Ion: 94 Resp: 540
Ion Ratio Lower Upper
94 100
96 35.9 75.5 113.3#



#6
Chloroethane
Concen: 0.024 ug/l
RT: 1.697 min Scan# 100
Delta R.T. -0.006 min
Lab File: VX046917.D
Acq: 08 Jul 2025 13:45

Tgt Ion: 64 Resp: 88
Ion Ratio Lower Upper
64 100
66 0.0 26.4 39.6#

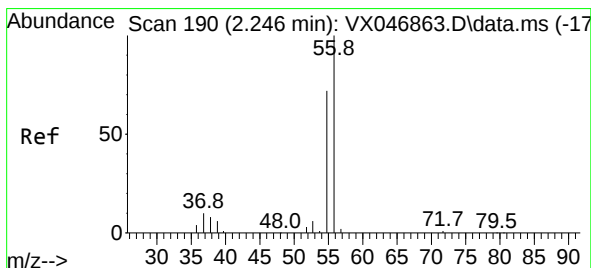
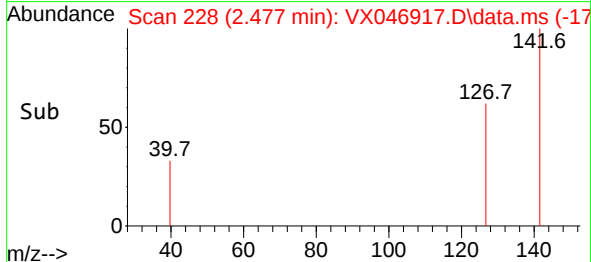
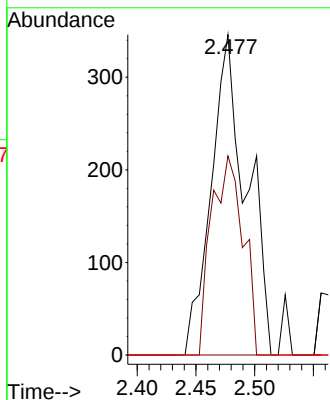
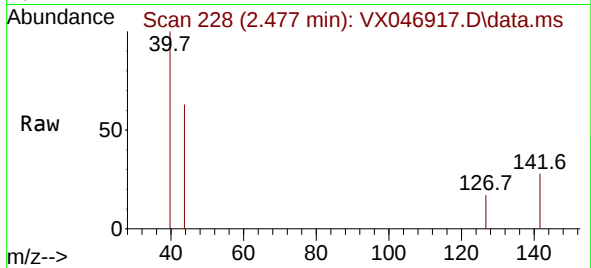




#10
Methyl Iodide
Concen: 0.122 ug/l
RT: 2.477 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX046917.D
Acq: 08 Jul 2025 13:45

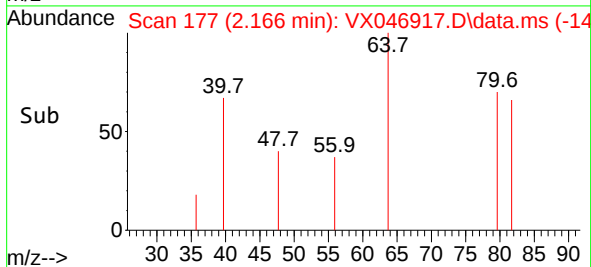
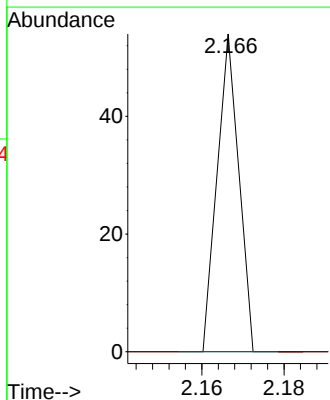
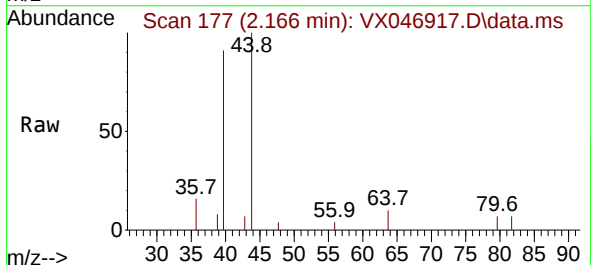
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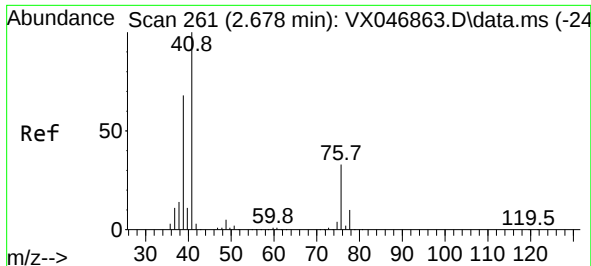
Tgt Ion:142 Resp: 726
Ion Ratio Lower Upper
142 100
127 55.6 34.9 52.3#
141 0.0 11.1 16.7#



#13
Acrolein
Concen: 0.040 ug/l
RT: 2.166 min Scan# 177
Delta R.T. -0.080 min
Lab File: VX046917.D
Acq: 08 Jul 2025 13:45

Tgt Ion: 56 Resp: 20
Ion Ratio Lower Upper
56 100
55 0.0 55.5 83.3#

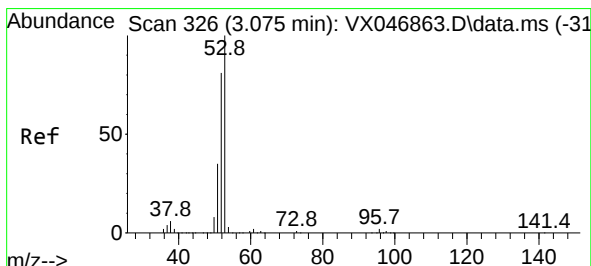
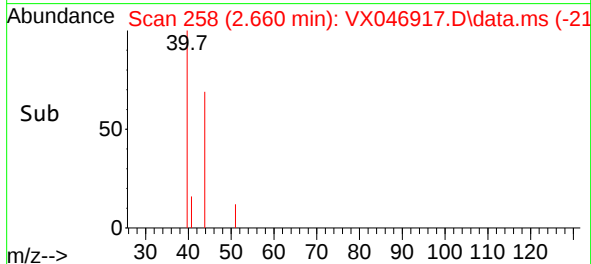
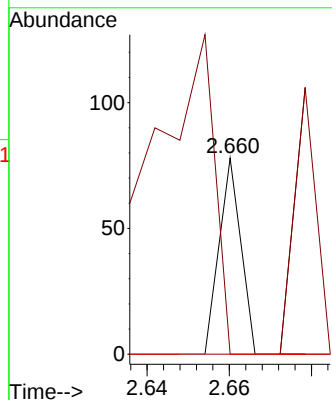
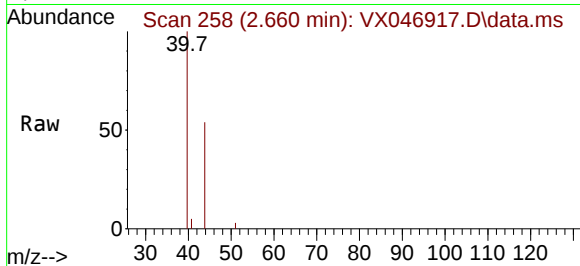




#14
 Allyl chloride
 Concen: 0.003 ug/l
 RT: 2.660 min Scan# 21
 Delta R.T. -0.018 min
 Lab File: VX046917.D
 Acq: 08 Jul 2025 13:45

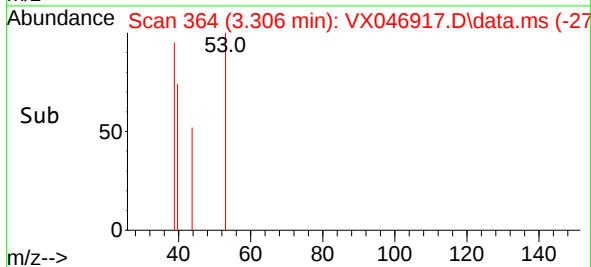
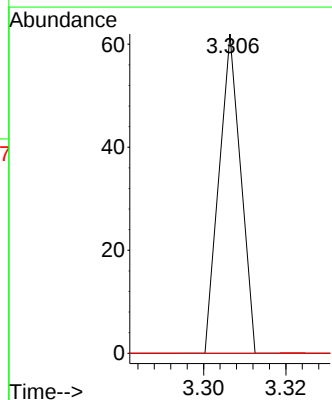
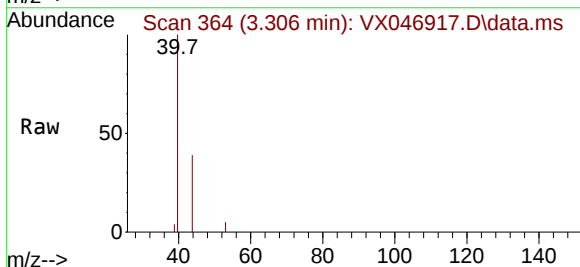
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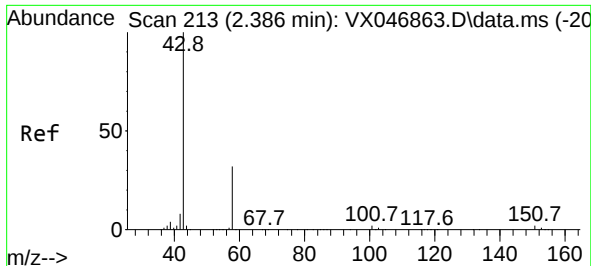
Tgt Ion: 41 Resp: 29
 Ion Ratio Lower Upper
 41 100
 39 455.2 52.0 78.0#
 76 0.0 26.2 39.2#



#15
 Acrylonitrile
 Concen: 0.009 ug/l
 RT: 3.306 min Scan# 364
 Delta R.T. 0.232 min
 Lab File: VX046917.D
 Acq: 08 Jul 2025 13:45

Tgt Ion: 53 Resp: 23
 Ion Ratio Lower Upper
 53 100
 52 0.0 66.0 99.0#
 51 0.0 28.6 43.0#

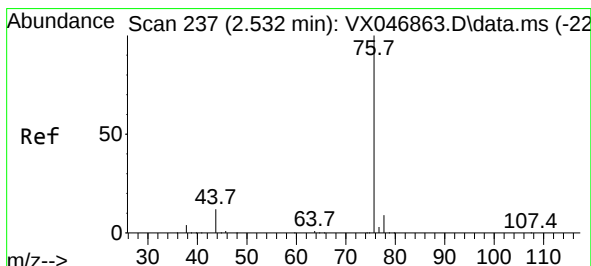
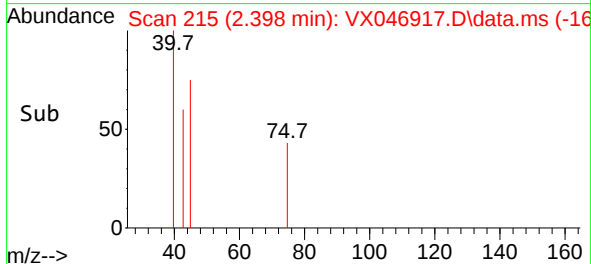
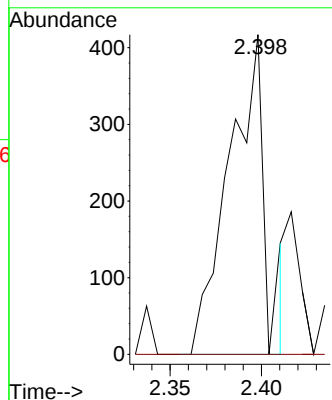
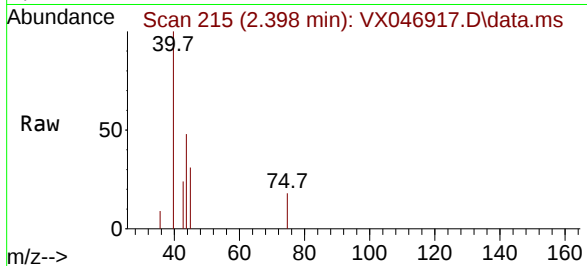




#16
Acetone
Concen: 0.285 ug/l
RT: 2.398 min Scan# 213
Delta R.T. 0.012 min
Lab File: VX046917.D
Acq: 08 Jul 2025 13:45

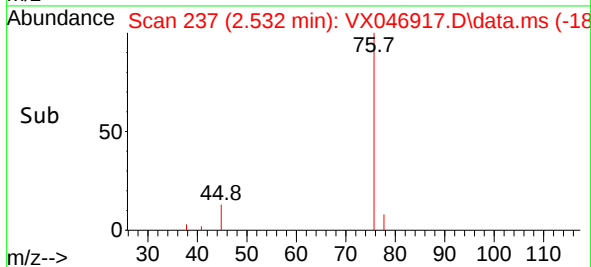
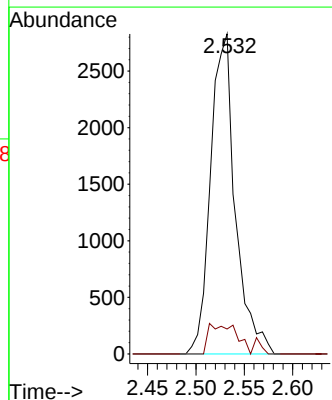
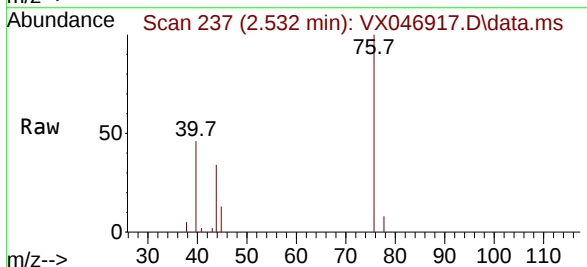
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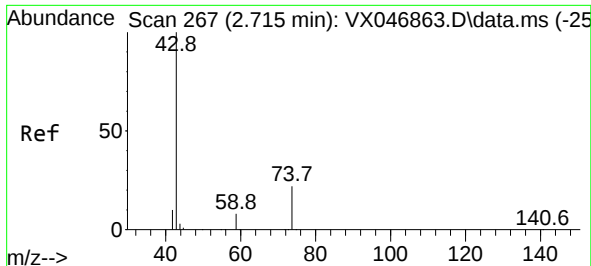
Tgt Ion: 43 Resp: 570
Ion Ratio Lower Upper
43 100
58 0.0 25.8 38.6#



#17
Carbon Disulfide
Concen: 0.362 ug/l
RT: 2.532 min Scan# 237
Delta R.T. 0.000 min
Lab File: VX046917.D
Acq: 08 Jul 2025 13:45

Tgt Ion: 76 Resp: 5021
Ion Ratio Lower Upper
76 100
78 7.8 7.4 11.2

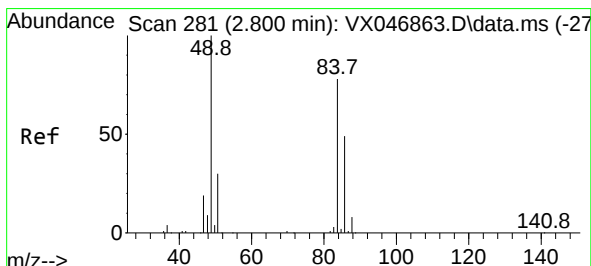
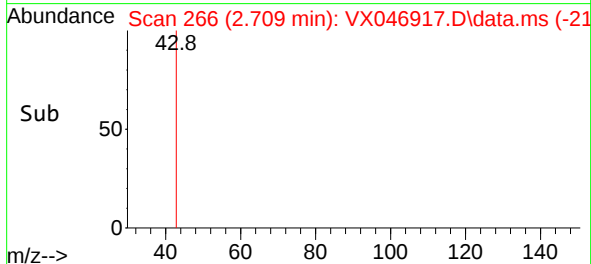
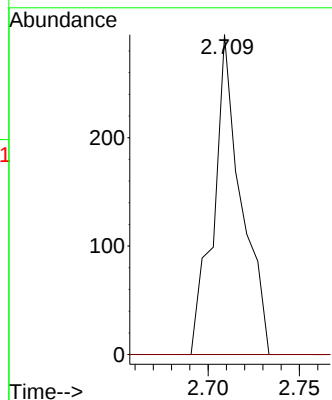
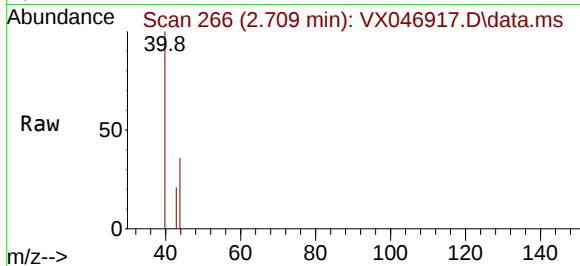




#18
Methyl Acetate
Concen: 0.059 ug/l
RT: 2.709 min Scan# 20
Delta R.T. -0.006 min
Lab File: VX046917.D
Acq: 08 Jul 2025 13:45

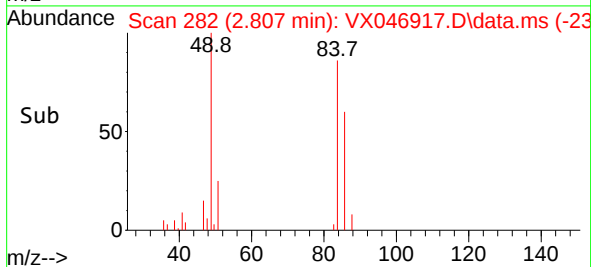
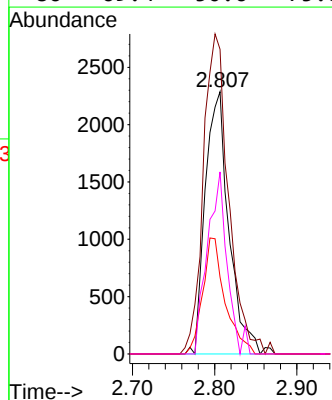
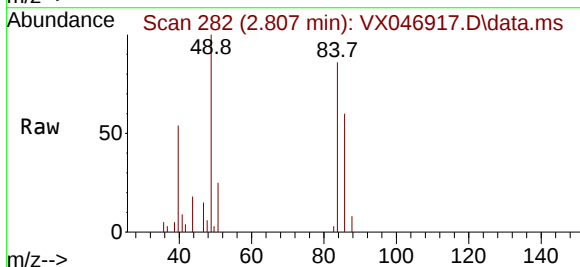
Instrument :
MSVOA_X
ClientSampleId :
IBLK

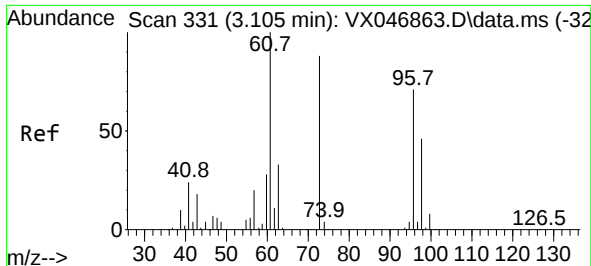
Tgt Ion: 43 Resp: 311
Ion Ratio Lower Upper
43 100
74 0.0 18.3 27.5#



#20
Methylene Chloride
Concen: 0.774 ug/l
RT: 2.807 min Scan# 282
Delta R.T. 0.006 min
Lab File: VX046917.D
Acq: 08 Jul 2025 13:45

Tgt Ion: 84 Resp: 4586
Ion Ratio Lower Upper
84 100
49 119.4 102.8 154.2
51 29.3 31.1 46.7#
86 69.4 50.6 75.8





#21

trans-1,2-Dichloroethene

Concen: 0.004 ug/l

RT: 3.239 min Scan# 3

Delta R.T. 0.134 min

Lab File: VX046917.D

Acq: 08 Jul 2025 13:45

Instrument :

MSVOA_X

ClientSampleId :

IBLK

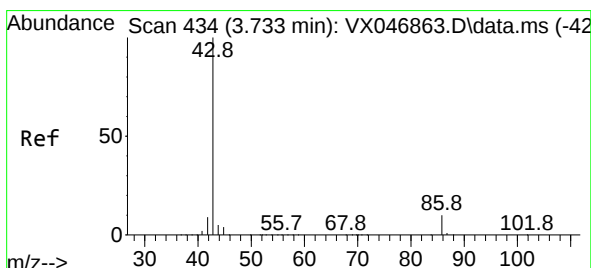
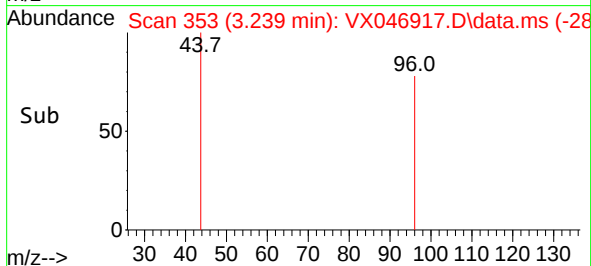
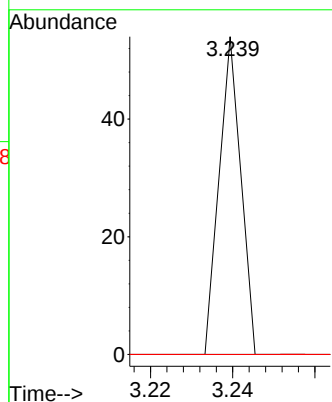
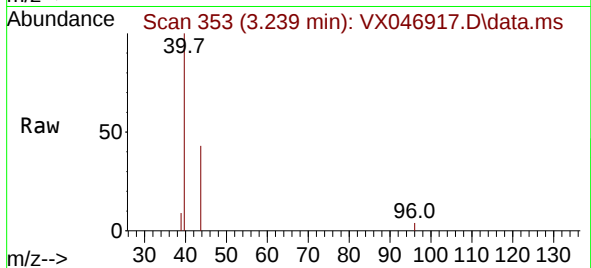
Tgt Ion: 96 Resp: 20

Ion Ratio Lower Upper

96 100

61 0.0 113.4 170.2#

98 0.0 51.8 77.6#



#23

Vinyl Acetate

Concen: 0.026 ug/l

RT: 3.751 min Scan# 437

Delta R.T. 0.018 min

Lab File: VX046917.D

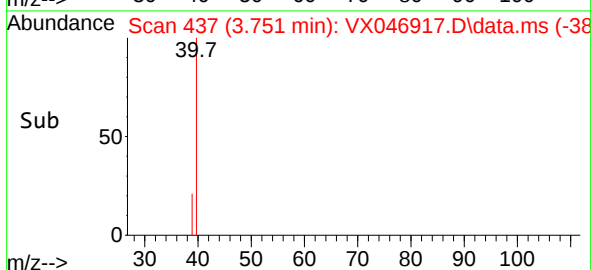
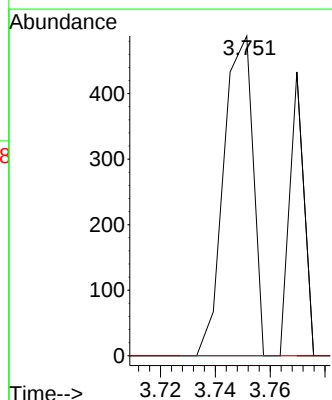
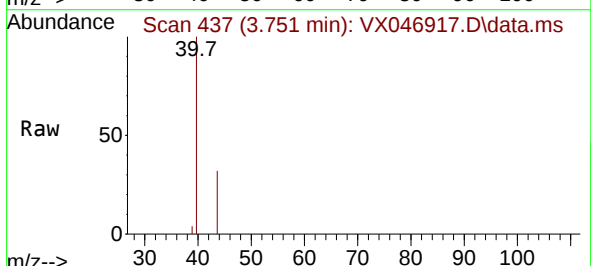
Acq: 08 Jul 2025 13:45

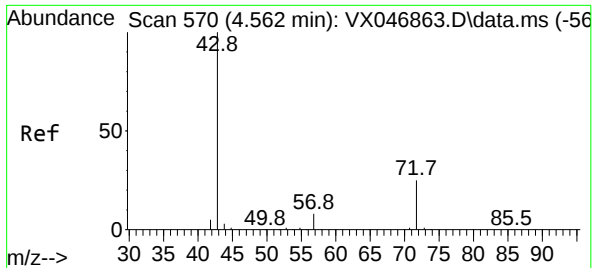
Tgt Ion: 43 Resp: 361

Ion Ratio Lower Upper

43 100

86 0.0 8.2 12.4#





#25

2-Butanone

Concen: 0.068 ug/l

RT: 4.526 min Scan# 50

Delta R.T. -0.037 min

Lab File: VX046917.D

Acq: 08 Jul 2025 13:45

Instrument :

MSVOA_X

ClientSampleId :

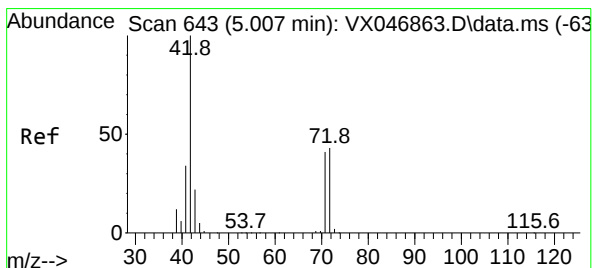
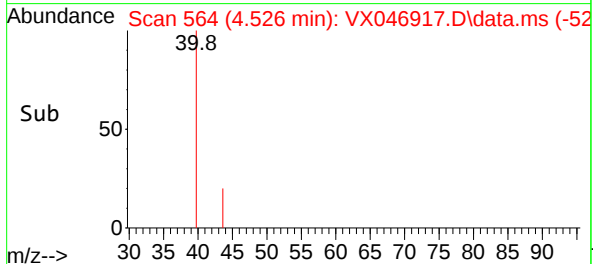
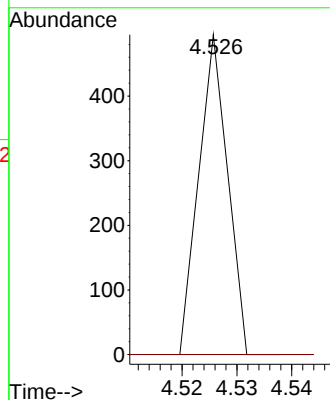
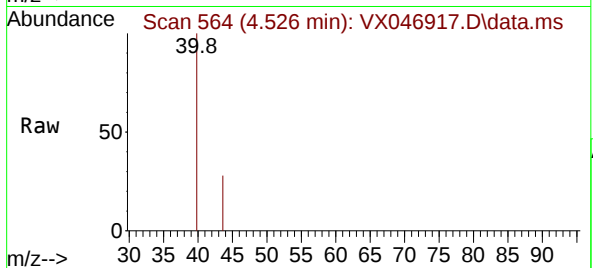
IBLK

Tgt Ion: 43 Resp: 181

Ion Ratio Lower Upper

43 100

72 0.0 20.0 30.0#



#29

Tetrahydrofuran

Concen: 0.042 ug/l

RT: 4.867 min Scan# 620

Delta R.T. -0.140 min

Lab File: VX046917.D

Acq: 08 Jul 2025 13:45

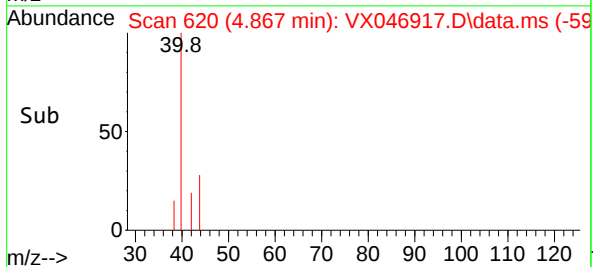
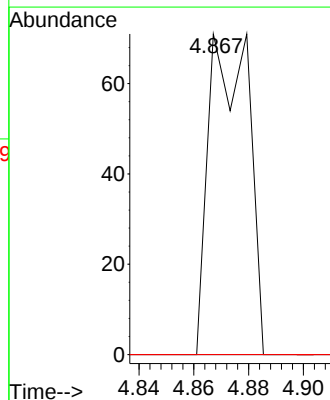
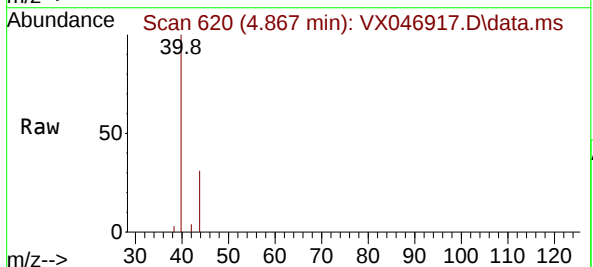
Tgt Ion: 42 Resp: 72

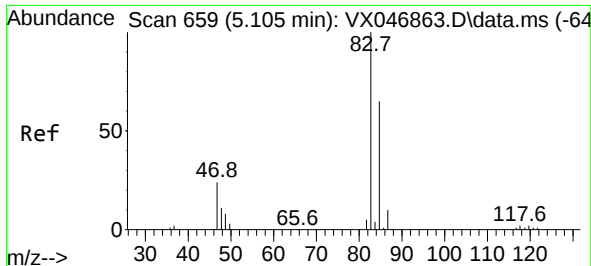
Ion Ratio Lower Upper

42 100

72 0.0 35.1 52.7#

71 0.0 31.9 47.9#

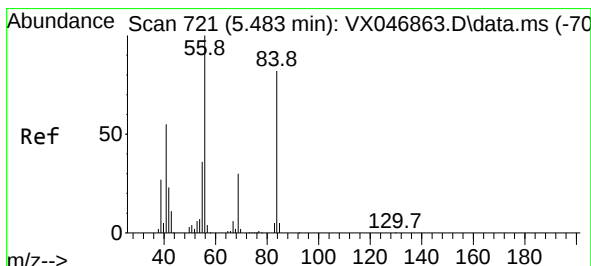
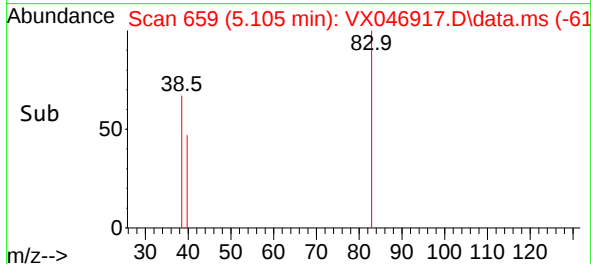
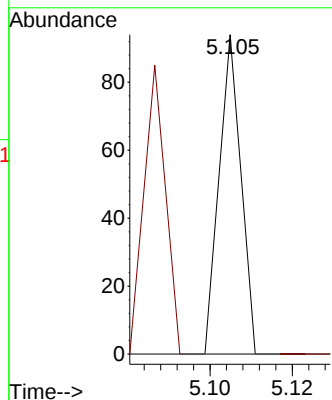
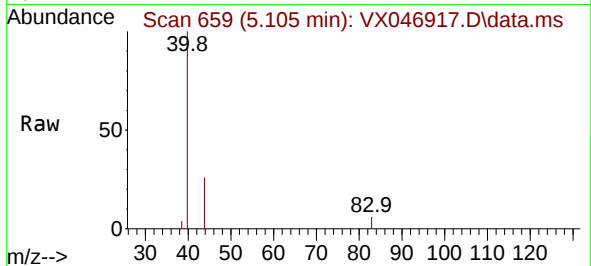




#30
Chloroform
Concen: 0.003 ug/l
RT: 5.105 min Scan# 61
Delta R.T. 0.000 min
Lab File: VX046917.D
Acq: 08 Jul 2025 13:45

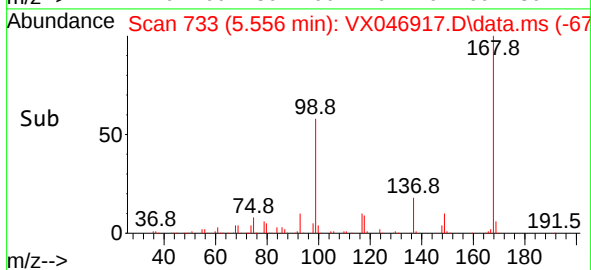
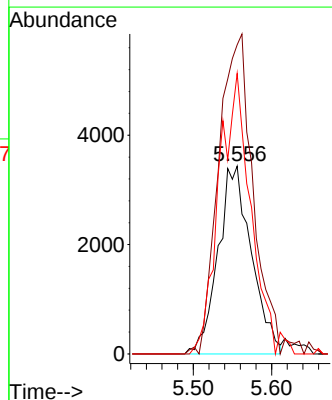
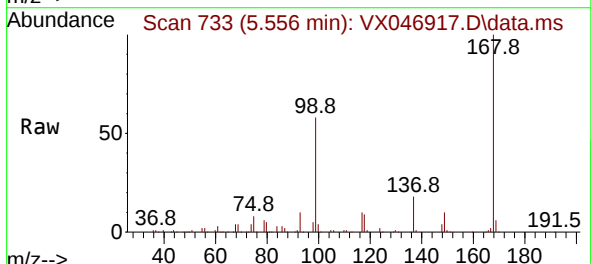
Instrument :
MSVOA_X
ClientSampleId :
IBLK

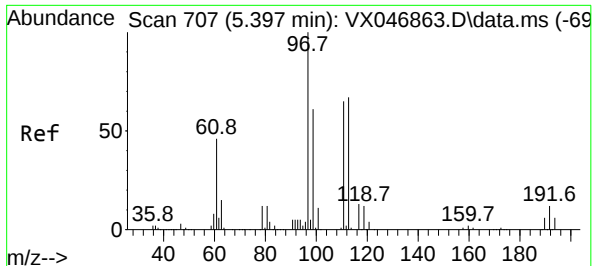
Tgt Ion: 83 Resp: 34
Ion Ratio Lower Upper
83 100
85 0.0 51.8 77.8#



#31
Cyclohexane
Concen: 1.103 ug/l
RT: 5.556 min Scan# 733
Delta R.T. 0.073 min
Lab File: VX046917.D
Acq: 08 Jul 2025 13:45

Tgt Ion: 56 Resp: 10165
Ion Ratio Lower Upper
56 100
69 164.5 24.0 36.0#
84 149.3 66.5 99.7#





#32

1,1,1-Trichloroethane

Concen: 0.002 ug/l

RT: 5.568 min Scan# 71

Delta R.T. 0.171 min

Lab File: VX046917.D

Acq: 08 Jul 2025 13:45

Instrument :

MSVOA_X

ClientSampleId :

IBLK

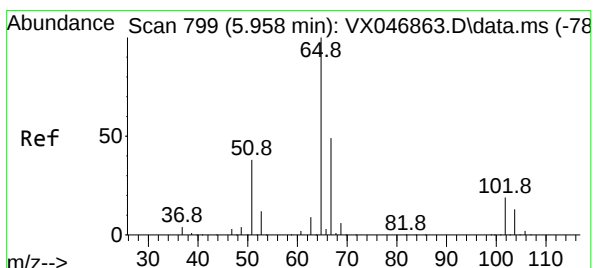
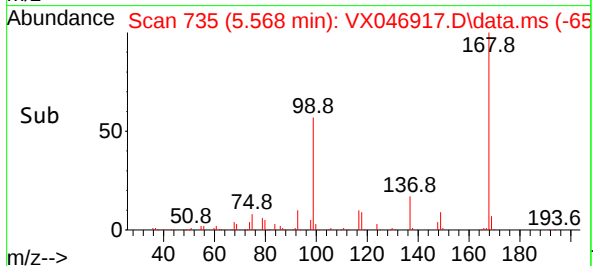
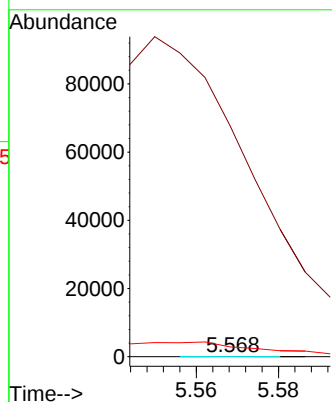
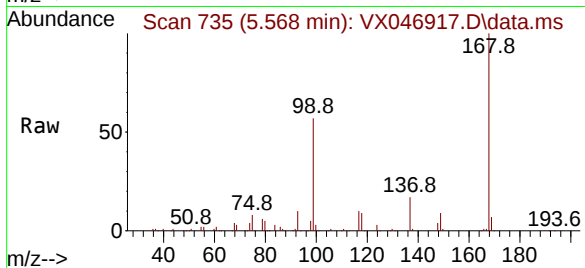
Tgt Ion: 97 Resp: 20

Ion Ratio Lower Upper

97 100

99 1442550.0 50.6 76.0#

61 70630.0 36.3 54.5#



#33

1,2-Dichloroethane-d4

Concen: 53.419 ug/l

RT: 5.952 min Scan# 798

Delta R.T. -0.006 min

Lab File: VX046917.D

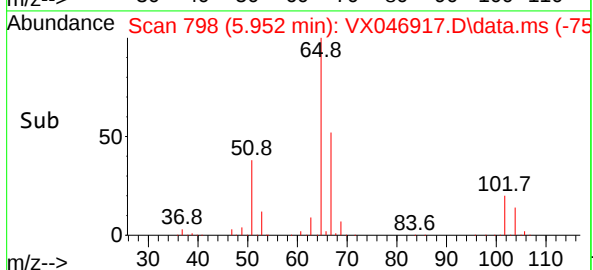
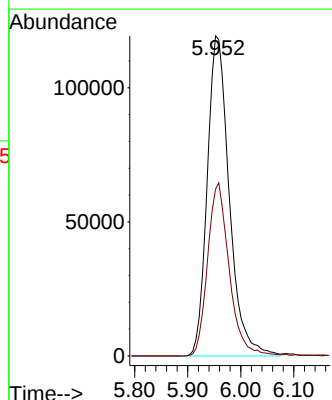
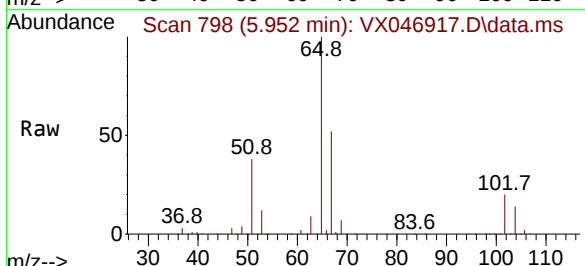
Acq: 08 Jul 2025 13:45

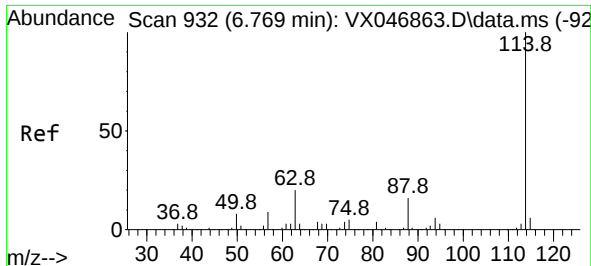
Tgt Ion: 65 Resp: 344446

Ion Ratio Lower Upper

65 100

67 53.1 0.0 105.2

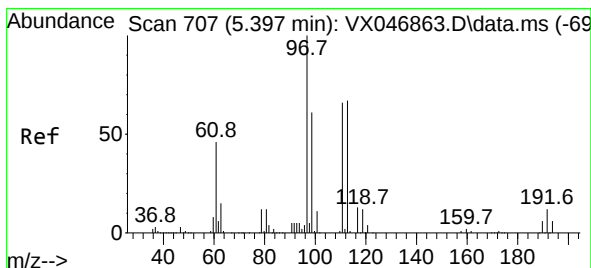
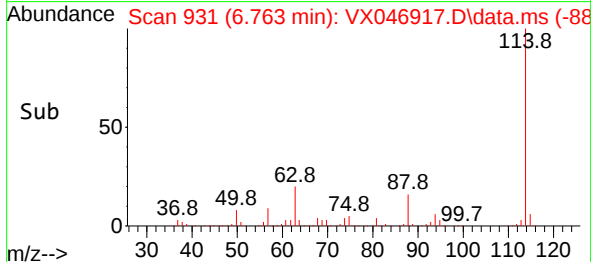
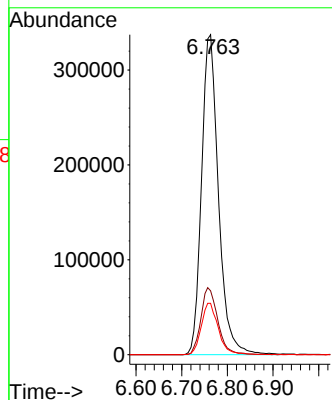
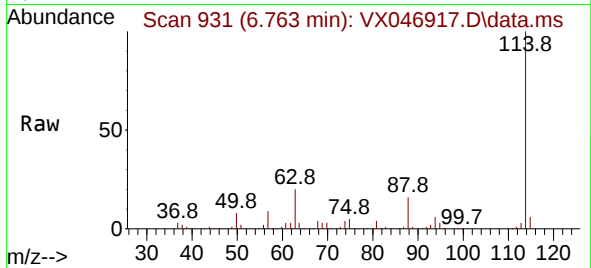




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. -0.006 min
Lab File: VX046917.D
Acq: 08 Jul 2025 13:45

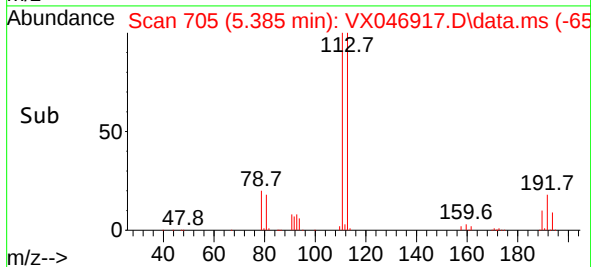
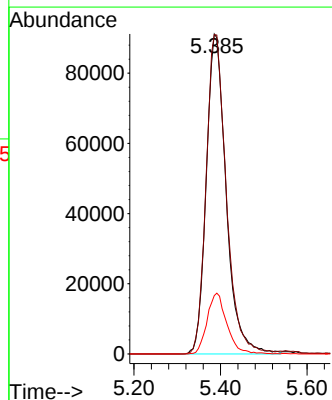
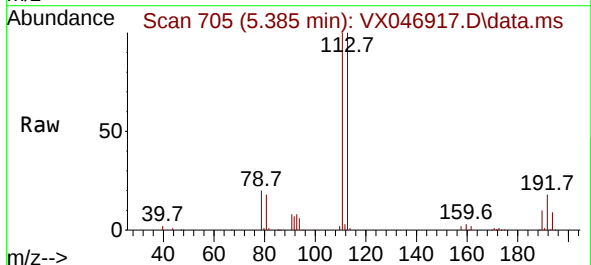
Instrument :
MSVOA_X
ClientSampleId :
IBLK

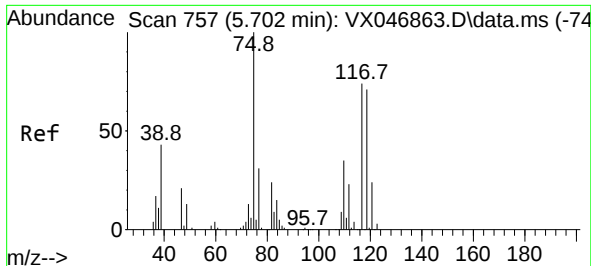
Tgt Ion:114 Resp: 867510
Ion Ratio Lower Upper
114 100
63 23.0 0.0 40.4
88 16.0 0.0 31.0



#35
Dibromofluoromethane
Concen: 49.345 ug/l
RT: 5.385 min Scan# 705
Delta R.T. -0.012 min
Lab File: VX046917.D
Acq: 08 Jul 2025 13:45

Tgt Ion:113 Resp: 290579
Ion Ratio Lower Upper
113 100
111 101.3 81.2 121.8
192 18.9 15.3 22.9

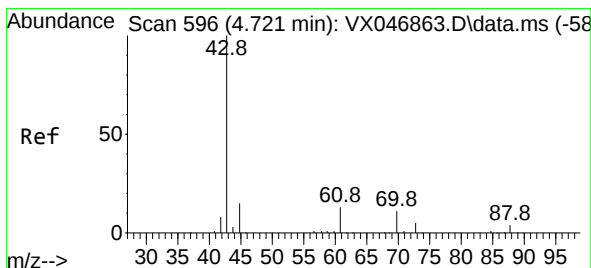
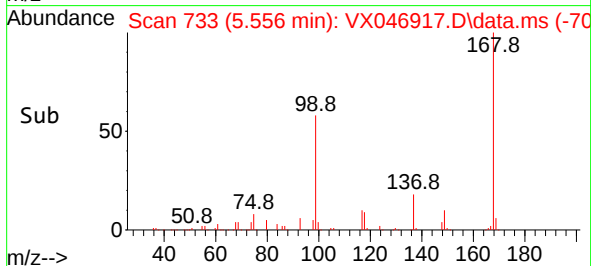
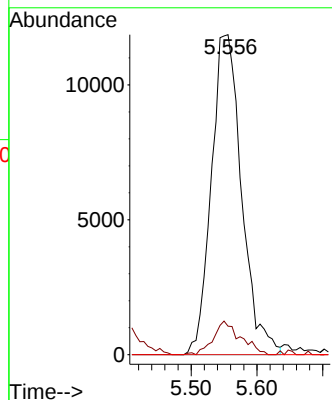
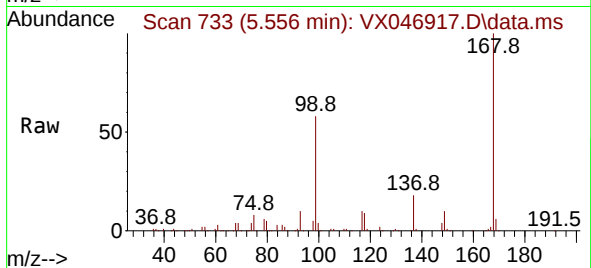




#36
1,1-Dichloropropene
Concen: 4.787 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.146 min
Lab File: VX046917.D
Acq: 08 Jul 2025 13:45

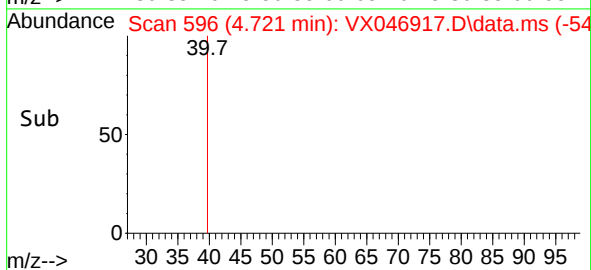
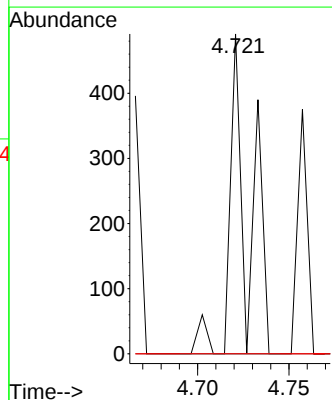
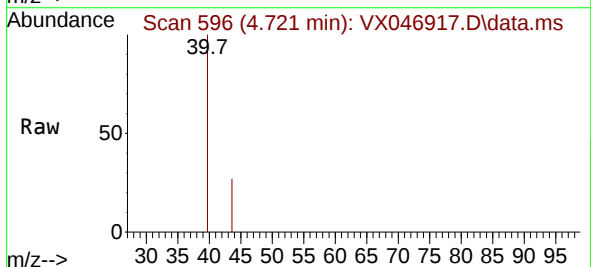
Instrument :
MSVOA_X
ClientSampleId :
IBLK

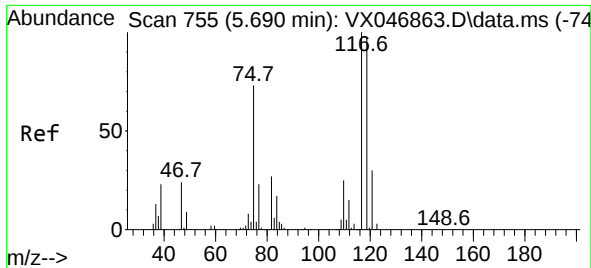
Tgt Ion: 75 Resp: 38030
Ion Ratio Lower Upper
75 100
110 9.4 17.3 51.9#
77 0.0 24.2 36.4#



#37
Ethyl Acetate
Concen: 0.051 ug/l
RT: 4.721 min Scan# 596
Delta R.T. 0.000 min
Lab File: VX046917.D
Acq: 08 Jul 2025 13:45

Tgt Ion: 43 Resp: 344
Ion Ratio Lower Upper
43 100
61 0.0 9.7 14.5#
70 0.0 8.3 12.5#

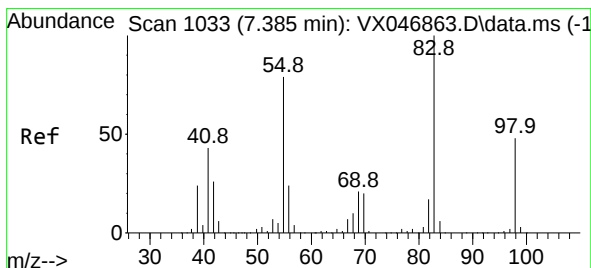
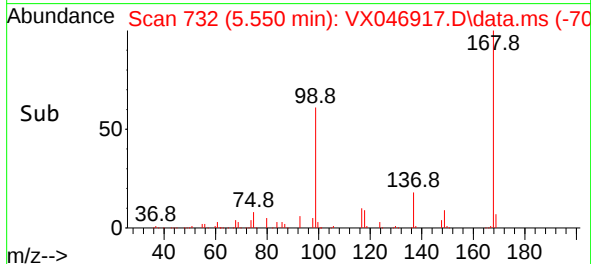
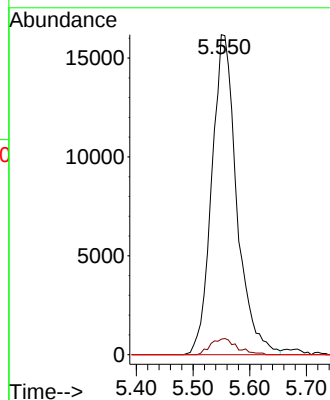
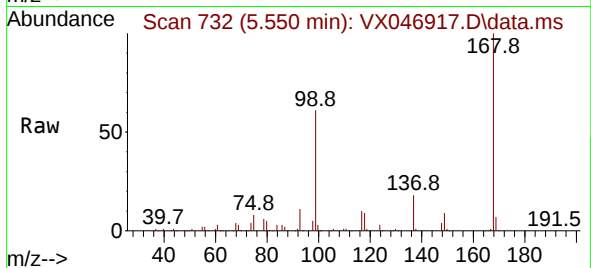




#38
Carbon Tetrachloride
Concen: 5.909 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.140 min
Lab File: VX046917.D
Acq: 08 Jul 2025 13:45

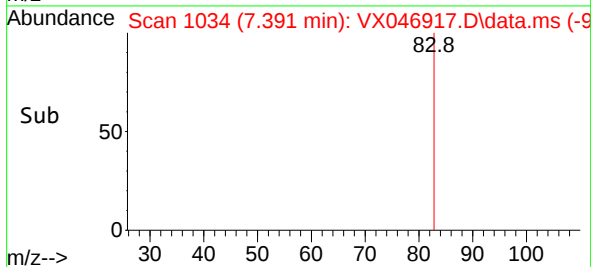
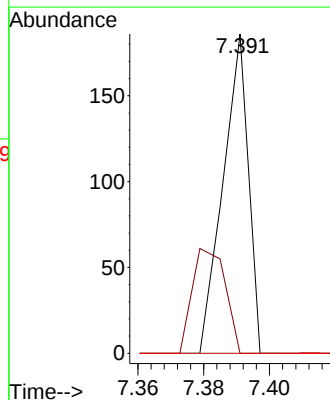
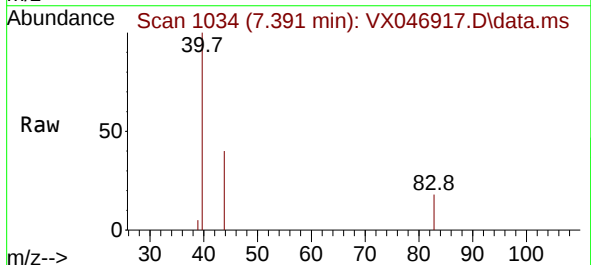
Instrument :
MSVOA_X
ClientSampleId :
IBLK

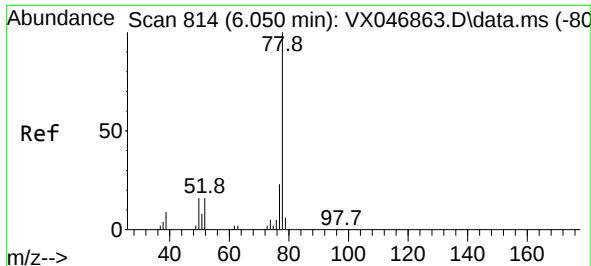
Tgt Ion:117 Resp: 49630
Ion Ratio Lower Upper
117 100
119 4.9 76.6 114.8#
121 0.0 24.1 36.1#



#39
Methylcyclohexane
Concen: 0.010 ug/l
RT: 7.391 min Scan# 1034
Delta R.T. 0.006 min
Lab File: VX046917.D
Acq: 08 Jul 2025 13:45

Tgt Ion: 83 Resp: 99
Ion Ratio Lower Upper
83 100
55 0.0 63.0 94.4#
98 0.0 38.5 57.7#





#40

Benzene

Concen: 0.002 ug/l

RT: 6.032 min Scan# 814

Delta R.T. -0.018 min

Lab File: VX046917.D

Acq: 08 Jul 2025 13:45

Instrument :

MSVOA_X

ClientSampleId :

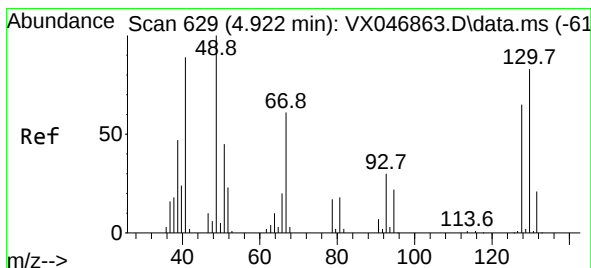
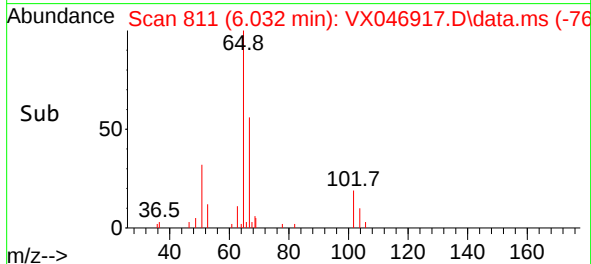
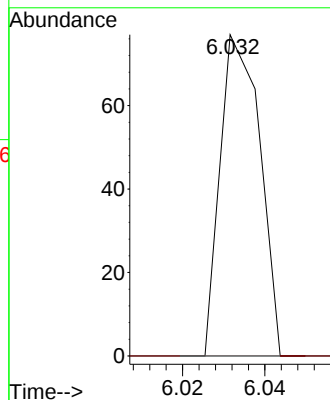
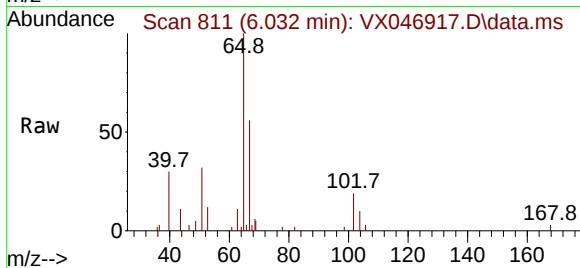
IBLK

Tgt Ion: 78 Resp: 52

Ion Ratio Lower Upper

78 100

77 0.0 18.7 28.1#



#41

Methacrylonitrile

Concen: 0.007 ug/l

RT: 4.934 min Scan# 631

Delta R.T. 0.012 min

Lab File: VX046917.D

Acq: 08 Jul 2025 13:45

Tgt Ion: 41 Resp: 26

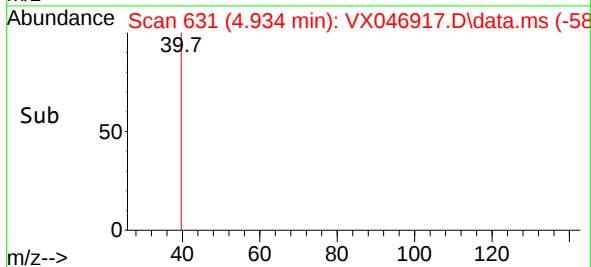
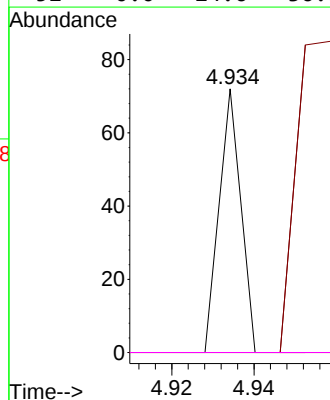
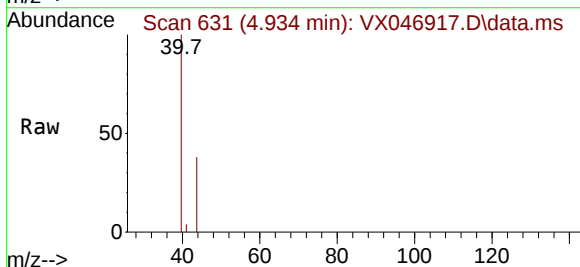
Ion Ratio Lower Upper

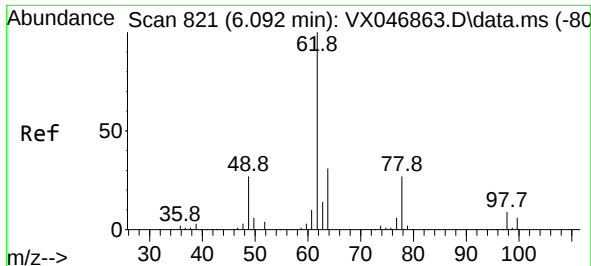
41 100

39 0.0 43.0 64.4#

67 0.0 60.2 90.2#

52 0.0 24.6 36.8#





#42

1,2-Dichloroethane

Concen: 0.078 ug/l

RT: 6.099 min Scan# 81

Delta R.T. 0.006 min

Lab File: VX046917.D

Acq: 08 Jul 2025 13:45

Instrument :

MSVOA_X

ClientSampleId :

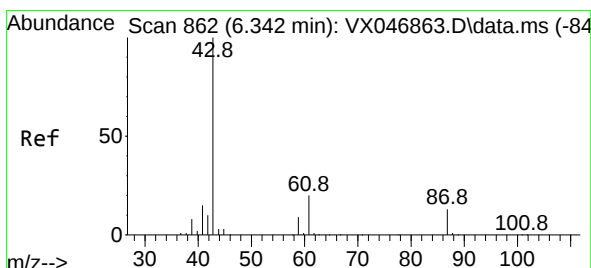
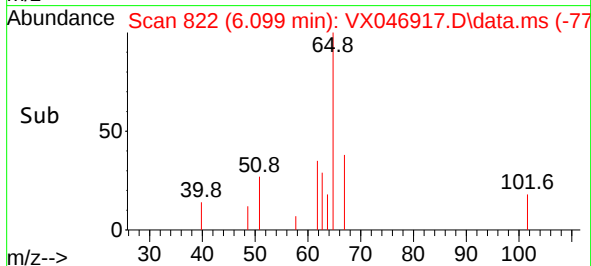
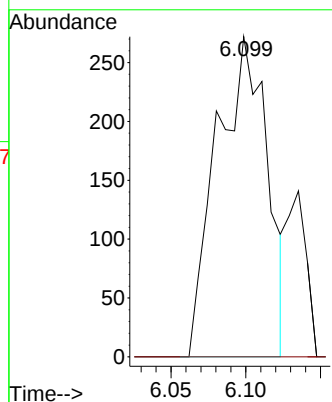
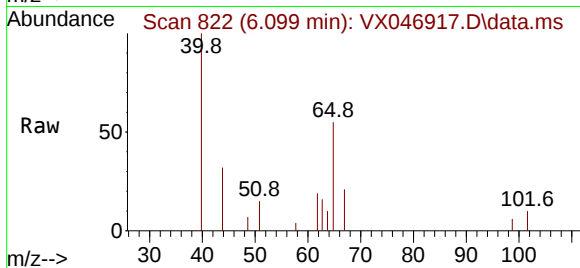
IBLK

Tgt Ion: 62 Resp: 639

Ion Ratio Lower Upper

62 100

98 0.0 0.0 19.4



#43

Isopropyl Acetate

Concen: 0.030 ug/l

RT: 6.202 min Scan# 839

Delta R.T. -0.140 min

Lab File: VX046917.D

Acq: 08 Jul 2025 13:45

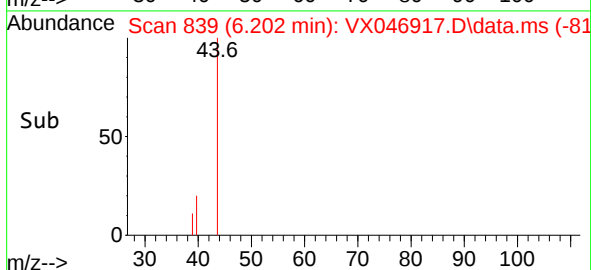
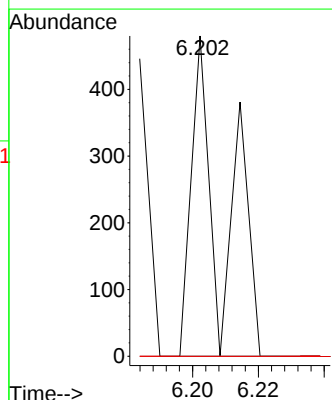
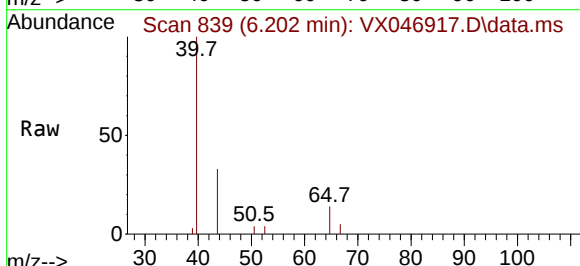
Tgt Ion: 43 Resp: 315

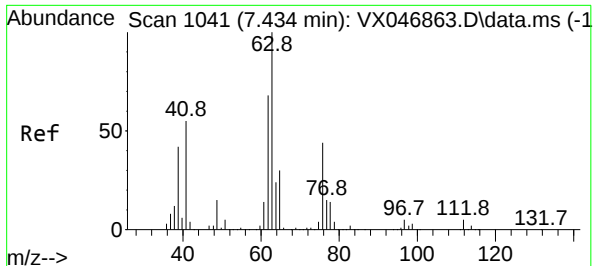
Ion Ratio Lower Upper

43 100

61 0.0 15.7 23.5#

87 0.0 10.1 15.1#





#45

1,2-Dichloropropane

Concen: 0.003 ug/l

RT: 7.306 min Scan# 1020

Delta R.T. -0.128 min

Lab File: VX046917.D

Acq: 08 Jul 2025 13:45

Instrument :

MSVOA_X

ClientSampleId :

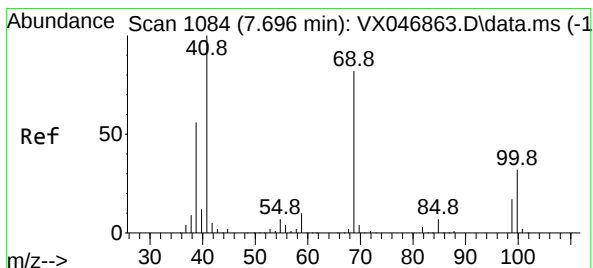
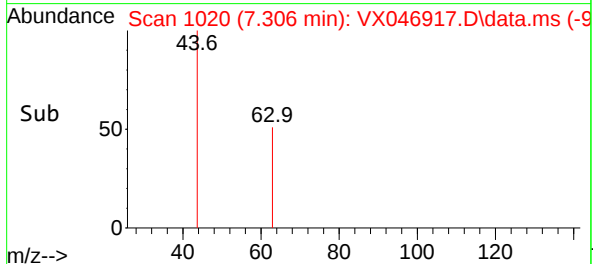
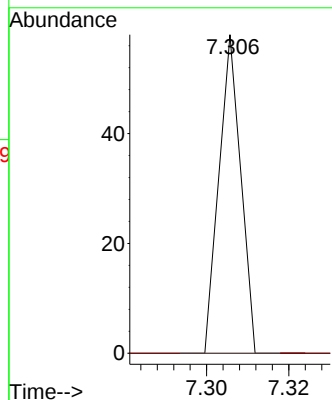
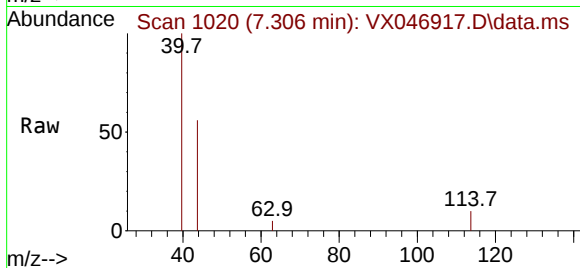
IBLK

Tgt Ion: 63 Resp: 21

Ion Ratio Lower Upper

63 100

65 0.0 24.2 36.2#



#48

Methyl methacrylate

Concen: 0.005 ug/l

RT: 7.702 min Scan# 1085

Delta R.T. 0.006 min

Lab File: VX046917.D

Acq: 08 Jul 2025 13:45

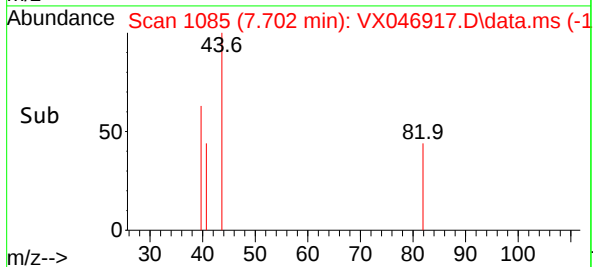
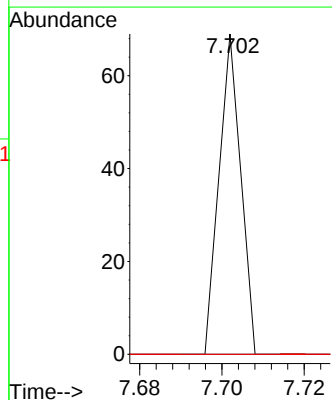
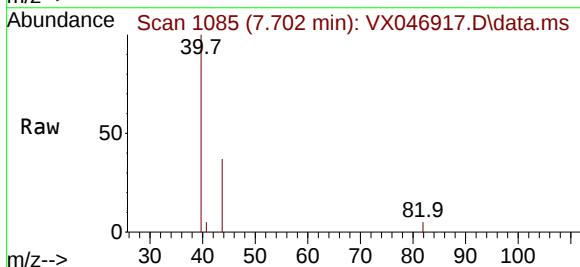
Tgt Ion: 41 Resp: 25

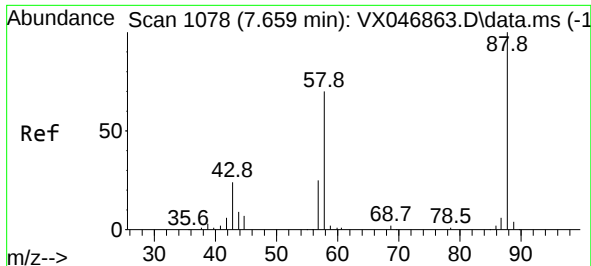
Ion Ratio Lower Upper

41 100

69 0.0 65.8 98.8#

39 0.0 43.8 65.6#





#49

1,4-Dioxane

Concen: 0.306 ug/l

RT: 7.708 min Scan# 1086

Delta R.T. 0.049 min

Lab File: VX046917.D

Acq: 08 Jul 2025 13:45

Instrument :

MSVOA_X

ClientSampleId :

IBLK

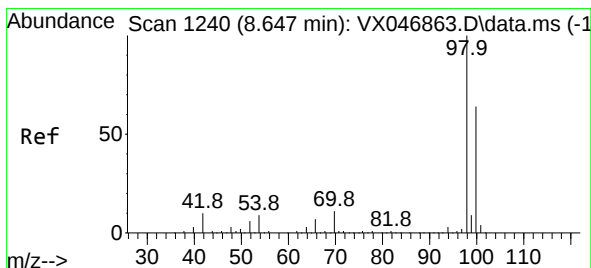
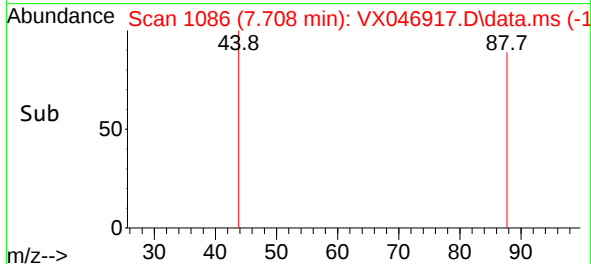
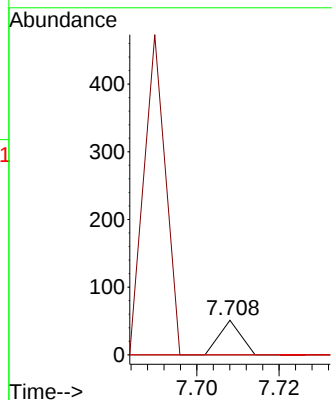
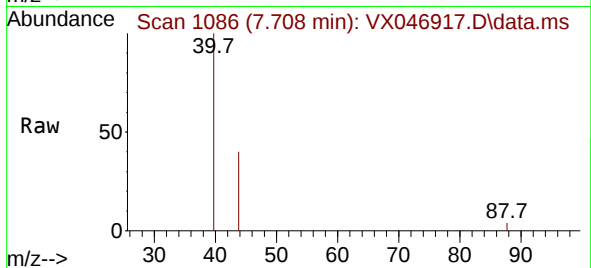
Tgt Ion: 88 Resp: 19

Ion Ratio Lower Upper

88 100

43 910.5 31.7 47.5#

58 0.0 57.5 86.3#



#50

Toluene-d8

Concen: 49.887 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. 0.000 min

Lab File: VX046917.D

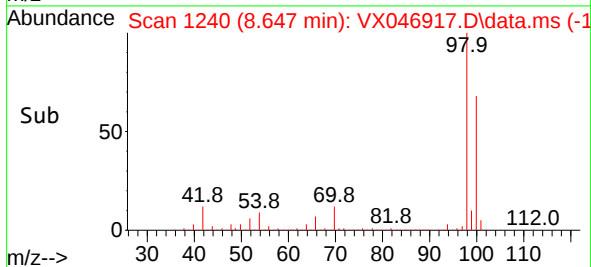
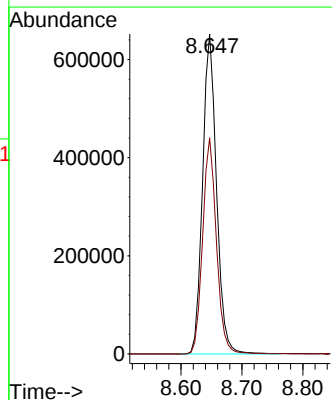
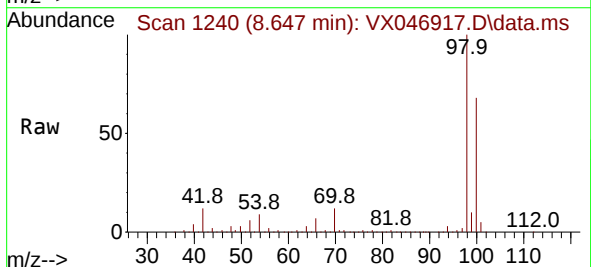
Acq: 08 Jul 2025 13:45

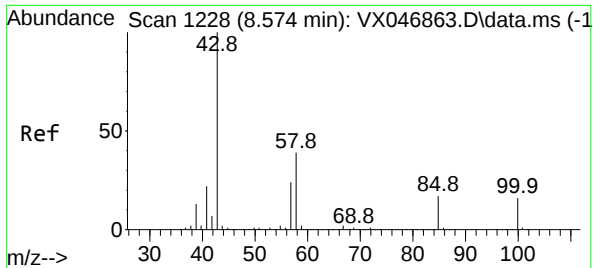
Tgt Ion: 98 Resp: 1036486

Ion Ratio Lower Upper

98 100

100 66.8 53.0 79.6

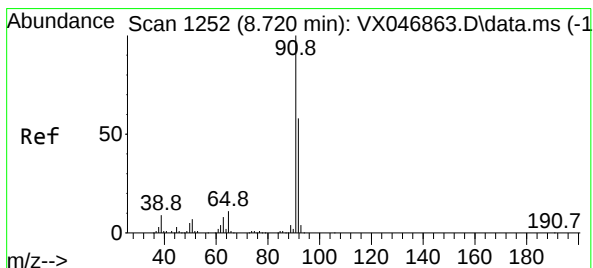
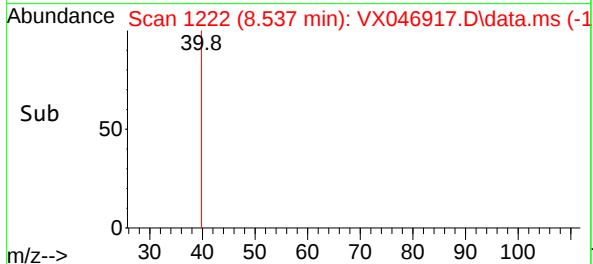
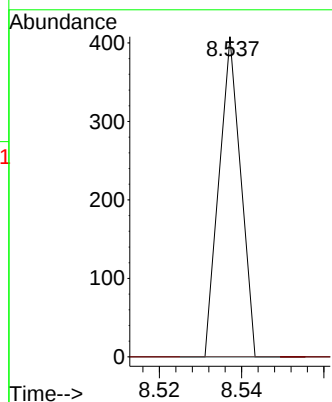
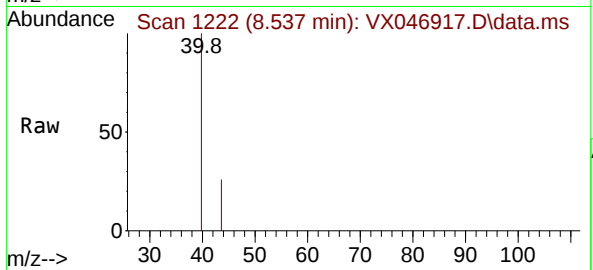




#51
4-Methyl-2-Pentanone
Concen: 0.024 ug/l
RT: 8.537 min Scan# 11
Delta R.T. -0.037 min
Lab File: VX046917.D
Acq: 08 Jul 2025 13:45

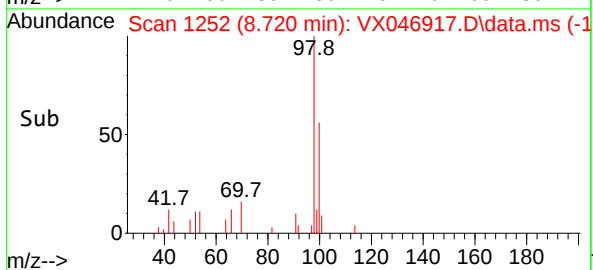
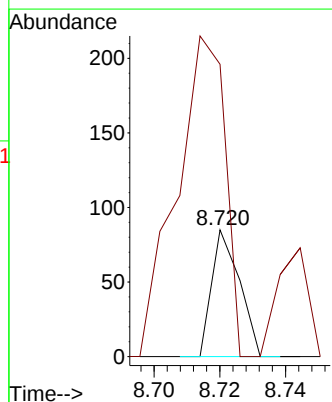
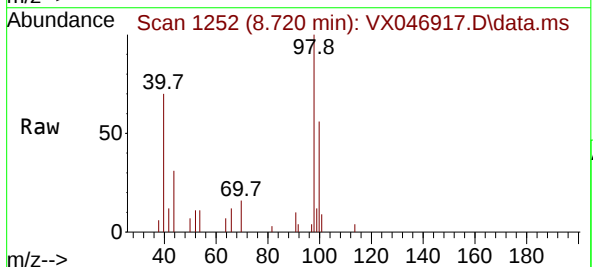
Instrument :
MSVOA_X
ClientSampleId :
IBLK

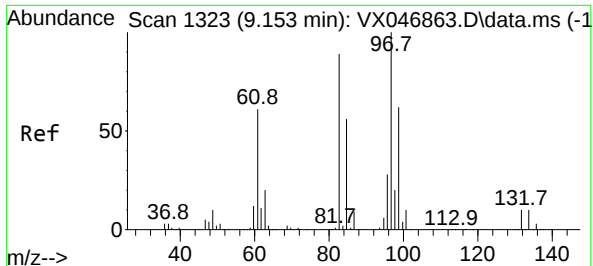
Tgt Ion: 43 Resp: 149
Ion Ratio Lower Upper
43 100
58 0.0 30.4 45.6#



#52
Toluene
Concen: 0.003 ug/l
RT: 8.720 min Scan# 1252
Delta R.T. 0.000 min
Lab File: VX046917.D
Acq: 08 Jul 2025 13:45

Tgt Ion: 92 Resp: 50
Ion Ratio Lower Upper
92 100
91 442.0 137.9 206.9#

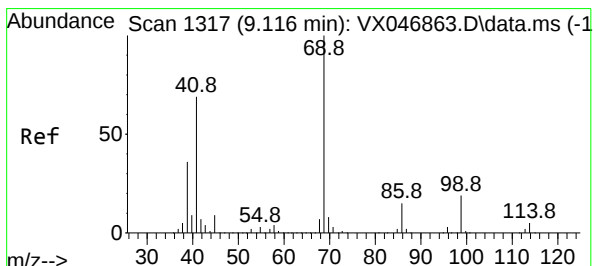
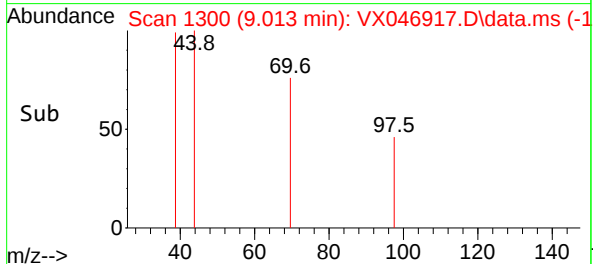
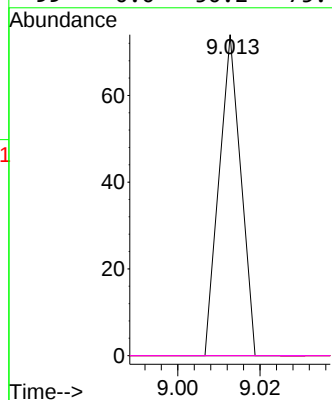
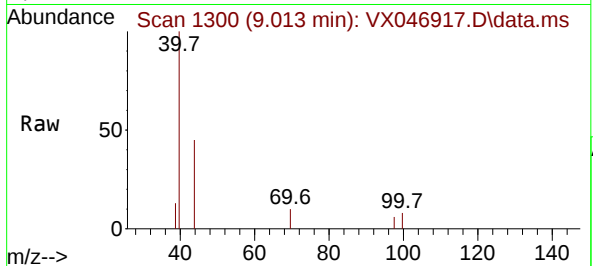




#55
 1,1,2-Trichloroethane
 Concen: 0.005 ug/l
 RT: 9.013 min Scan# 11
 Delta R.T. -0.140 min
 Lab File: VX046917.D
 Acq: 08 Jul 2025 13:45

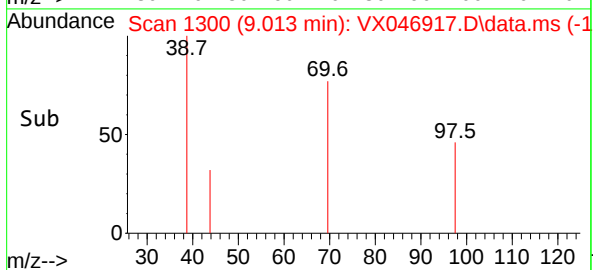
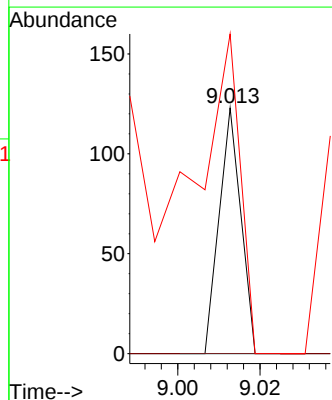
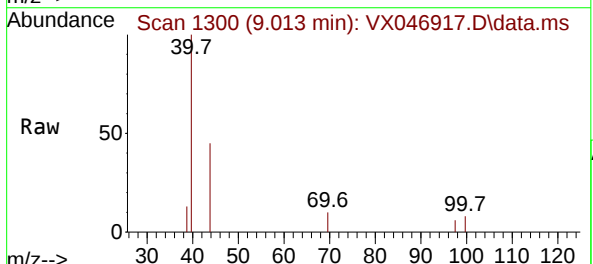
Instrument :
 MSVOA_X
 ClientSampleId :
 IBLK

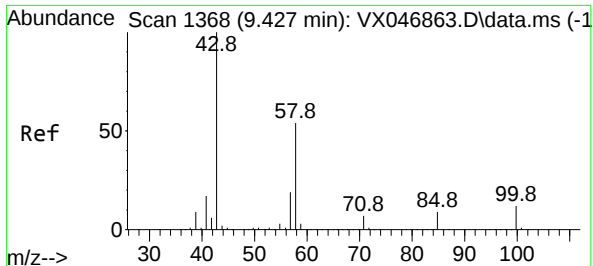
Tgt Ion: 97	Resp: 27
Ion Ratio	Lower Upper
97 100	
83 0.0	70.9 106.3#
85 0.0	44.6 67.0#
99 0.0	50.2 75.4#



#56
 Ethyl methacrylate
 Concen: 0.006 ug/l
 RT: 9.013 min Scan# 1300
 Delta R.T. -0.104 min
 Lab File: VX046917.D
 Acq: 08 Jul 2025 13:45

Tgt Ion: 69	Resp: 45
Ion Ratio	Lower Upper
69 100	
41 0.0	54.6 82.0#
39 420.0	28.7 43.1#





#59

2-Hexanone

Concen: 0.013 ug/l

RT: 9.470 min Scan# 11

Delta R.T. 0.043 min

Lab File: VX046917.D

Acq: 08 Jul 2025 13:45

Instrument :

MSVOA_X

ClientSampleId :

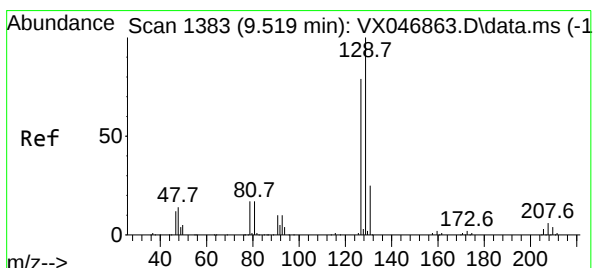
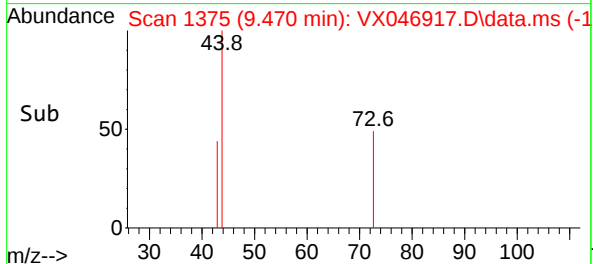
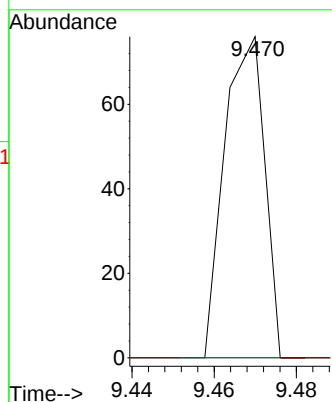
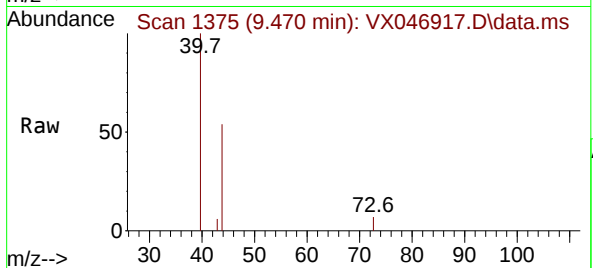
IBLK

Tgt Ion: 43 Resp: 51

Ion Ratio Lower Upper

43 100

58 0.0 27.1 81.3#



#60

Dibromochloromethane

Concen: 0.080 ug/l

RT: 9.567 min Scan# 1391

Delta R.T. 0.049 min

Lab File: VX046917.D

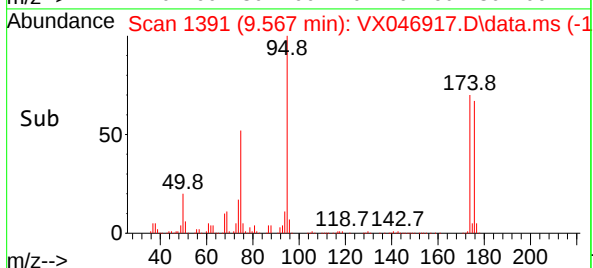
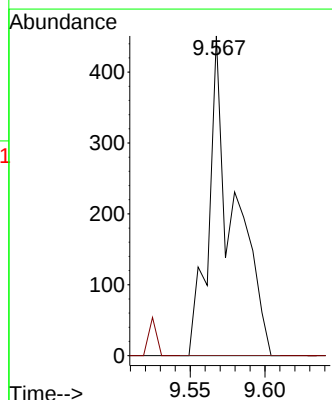
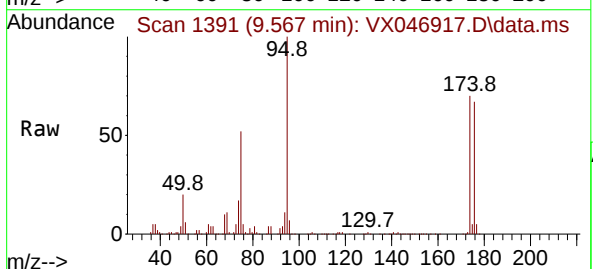
Acq: 08 Jul 2025 13:45

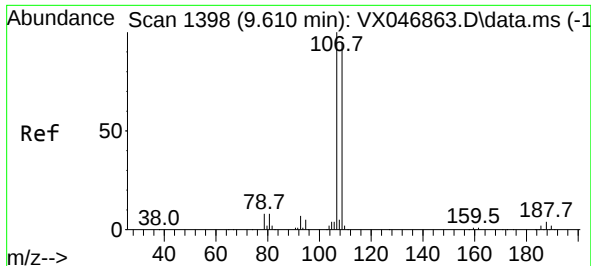
Tgt Ion: 129 Resp: 530

Ion Ratio Lower Upper

129 100

127 0.0 39.1 117.5#





#61

1,2-Dibromoethane

Concen: 0.045 ug/l

RT: 9.567 min Scan# 1391

Delta R.T. -0.043 min

Lab File: VX046917.D

Acq: 08 Jul 2025 13:45

Instrument :

MSVOA_X

ClientSampleId :

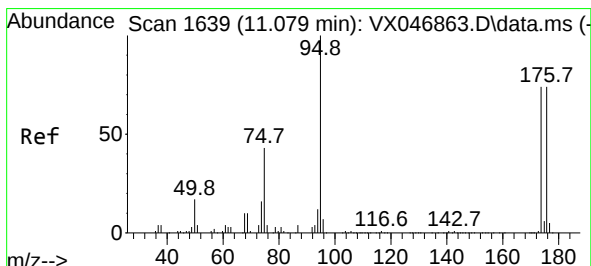
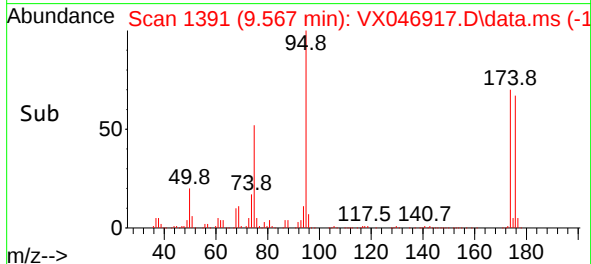
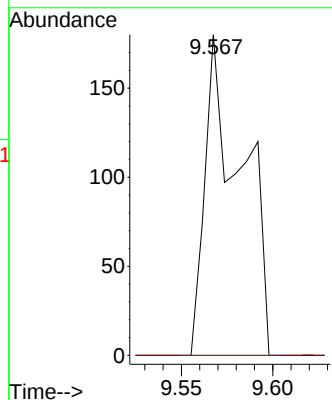
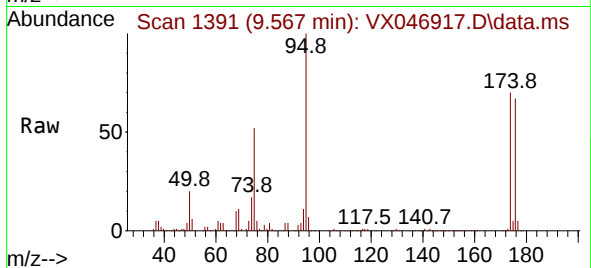
IBLK

Tgt Ion:107 Resp: 249

Ion Ratio Lower Upper

107 100

109 0.0 75.4 113.2#



#62

4-Bromofluorobenzene

Concen: 49.650 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.000 min

Lab File: VX046917.D

Acq: 08 Jul 2025 13:45

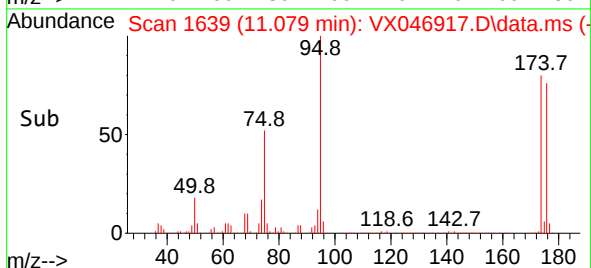
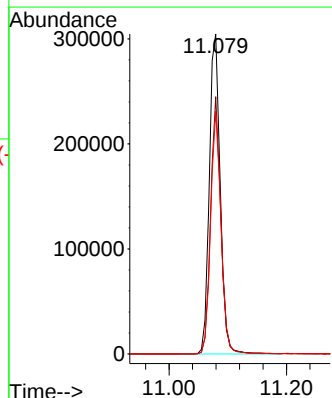
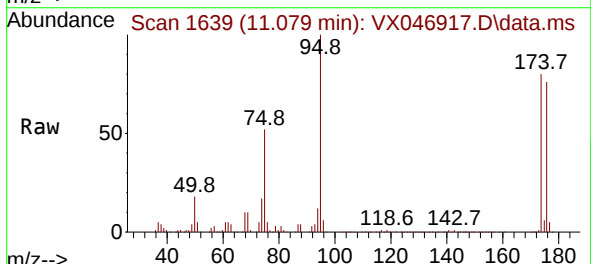
Tgt Ion: 95 Resp: 392049

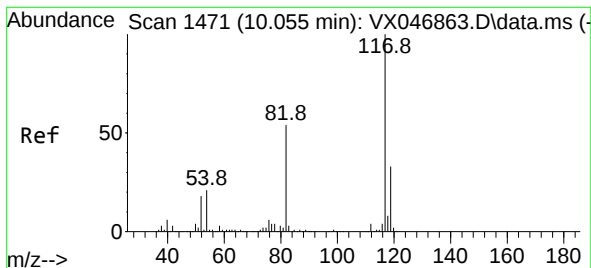
Ion Ratio Lower Upper

95 100

174 76.1 0.0 152.0

176 72.5 0.0 145.2

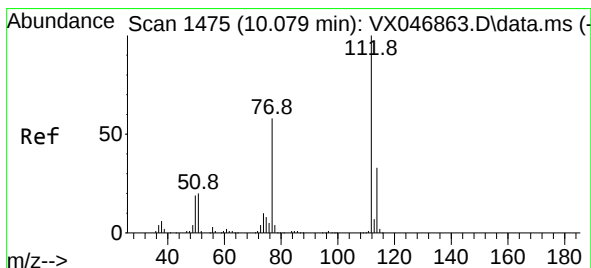
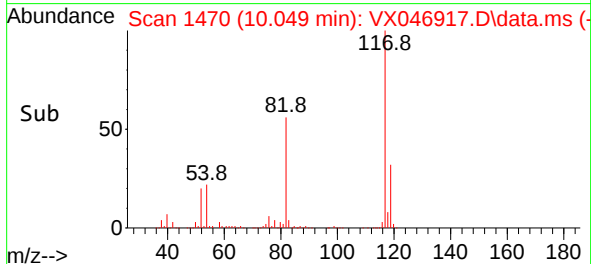
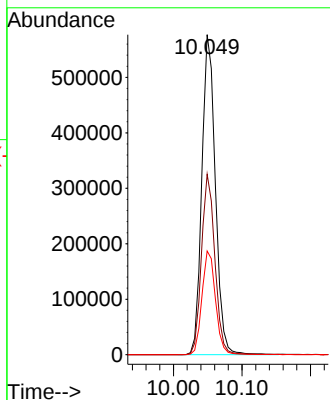
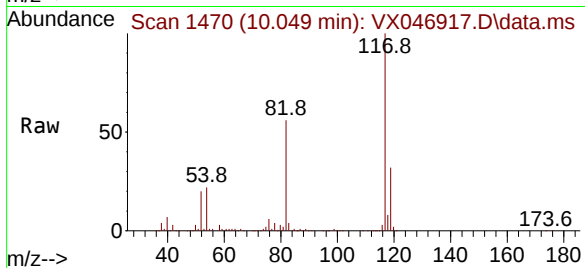




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 1470
Delta R.T. -0.006 min
Lab File: VX046917.D
Acq: 08 Jul 2025 13:45

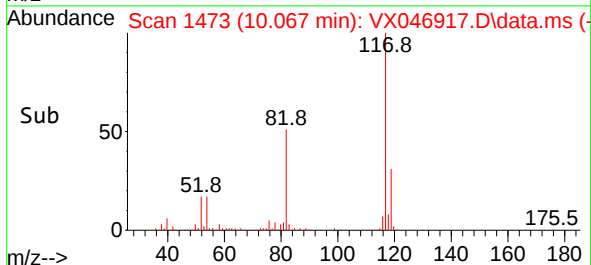
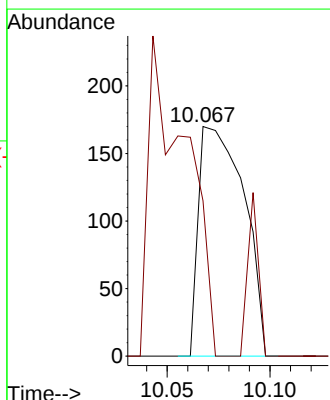
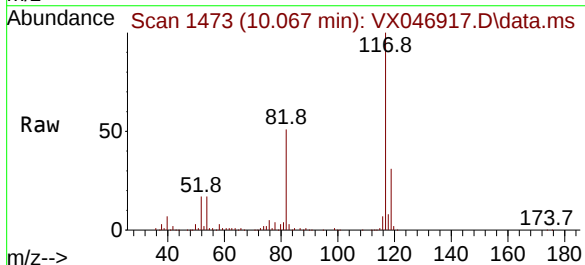
Instrument :
MSVOA_X
ClientSampleId :
IBLK

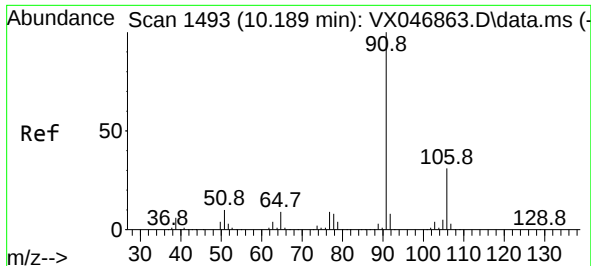
Tgt Ion:117 Resp: 794307
Ion Ratio Lower Upper
117 100
82 56.4 43.3 64.9
119 32.4 26.4 39.6



#65
Chlorobenzene
Concen: 0.015 ug/l
RT: 10.067 min Scan# 1473
Delta R.T. -0.012 min
Lab File: VX046917.D
Acq: 08 Jul 2025 13:45

Tgt Ion:112 Resp: 260
Ion Ratio Lower Upper
112 100
114 67.6 26.3 39.5#





#67

Ethyl Benzene

Concen: 0.014 ug/l

RT: 10.201 min Scan# 1495

Delta R.T. 0.012 min

Lab File: VX046917.D

Acq: 08 Jul 2025 13:45

Instrument :

MSVOA_X

ClientSampleId :

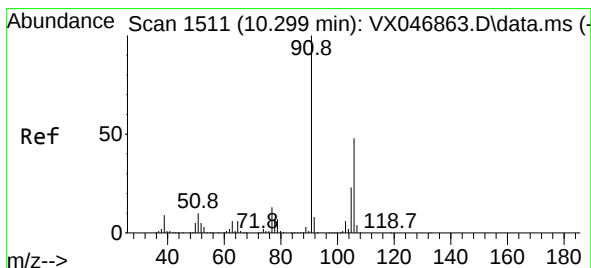
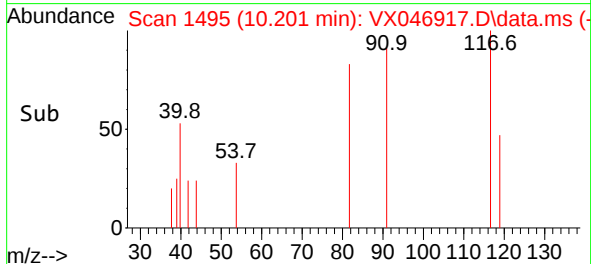
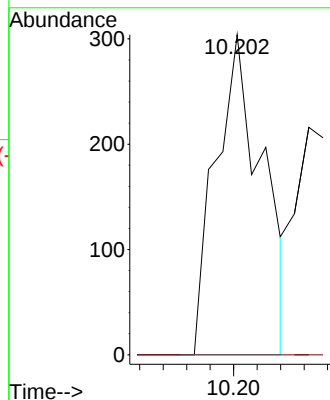
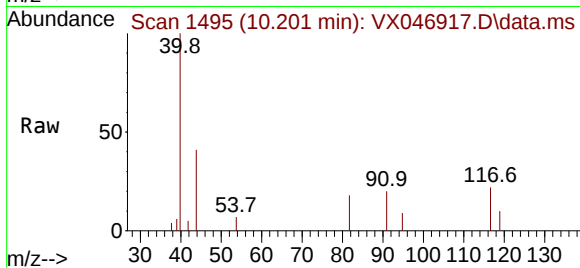
IBLK

Tgt Ion: 91 Resp: 422

Ion Ratio Lower Upper

91 100

106 0.0 24.4 36.6#



#68

m/p-Xylenes

Concen: 0.020 ug/l

RT: 10.311 min Scan# 1513

Delta R.T. 0.012 min

Lab File: VX046917.D

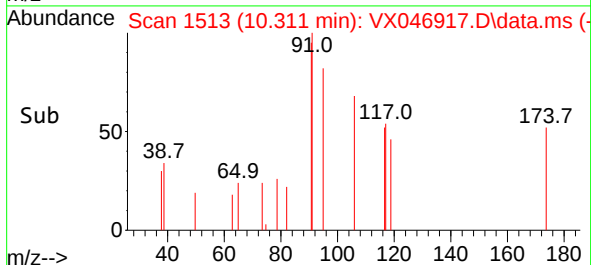
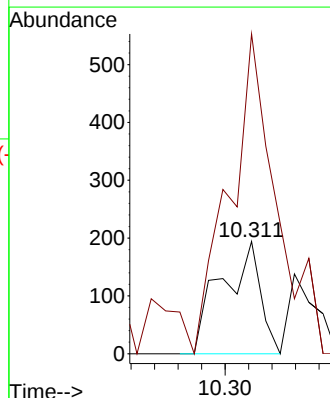
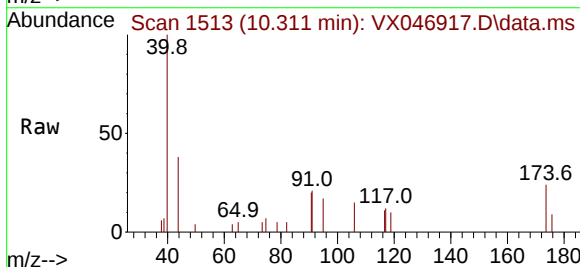
Acq: 08 Jul 2025 13:45

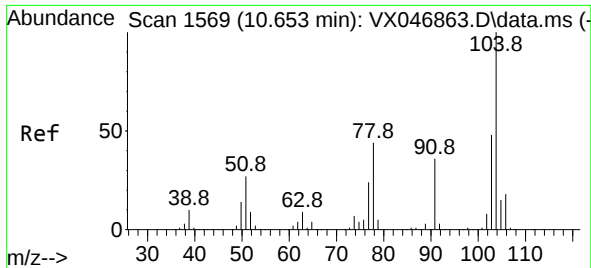
Tgt Ion: 106 Resp: 223

Ion Ratio Lower Upper

106 100

91 343.9 164.6 246.8#

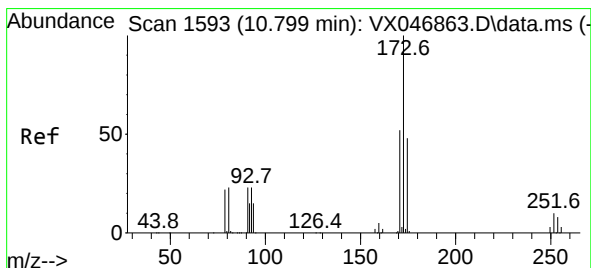
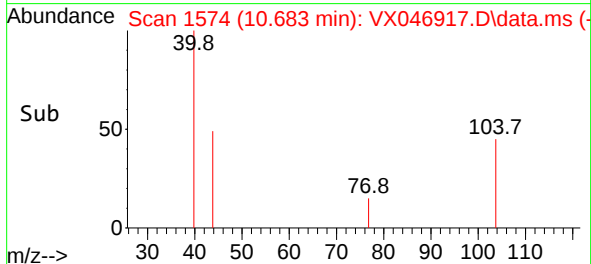
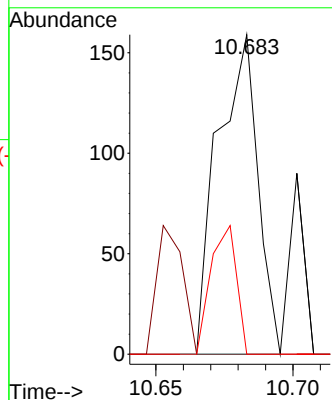
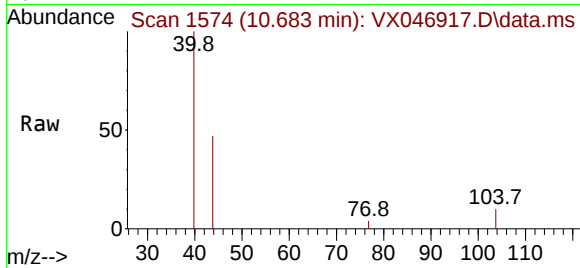




#70
Styrene
Concen: 0.009 ug/l
RT: 10.683 min Scan# 1574
Delta R.T. 0.031 min
Lab File: VX046917.D
Acq: 08 Jul 2025 13:45

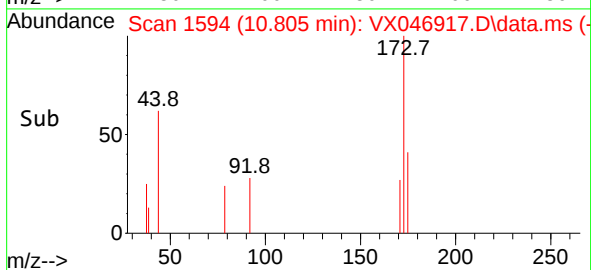
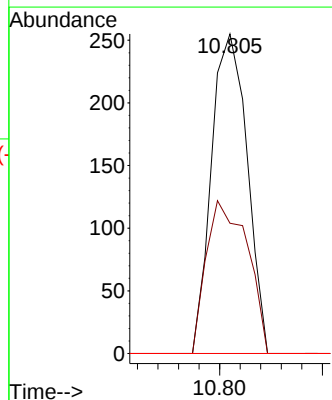
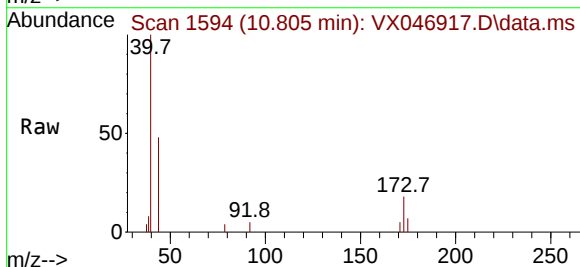
Instrument :
MSVOA_X
ClientSampleId :
IBLK

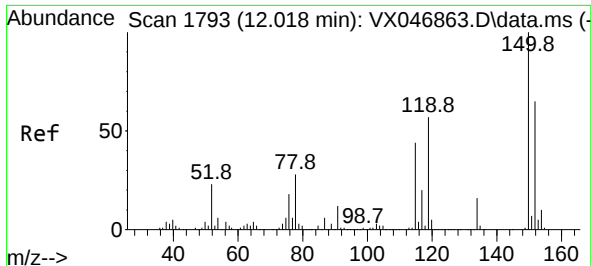
Tgt Ion:104 Resp: 161
Ion Ratio Lower Upper
104 100
78 0.0 40.3 60.5#
103 26.1 42.8 64.2#



#71
Bromoform
Concen: 0.072 ug/l
RT: 10.805 min Scan# 1594
Delta R.T. 0.006 min
Lab File: VX046917.D
Acq: 08 Jul 2025 13:45

Tgt Ion:173 Resp: 307
Ion Ratio Lower Upper
173 100
175 0.0 23.8 71.5#
254 0.0 0.1 0.1#

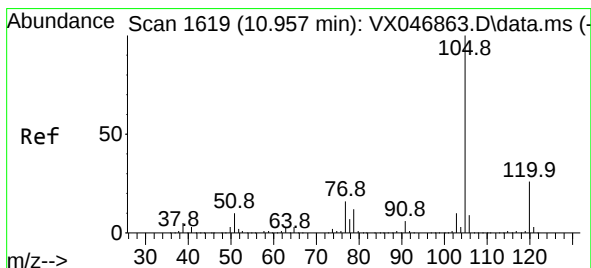
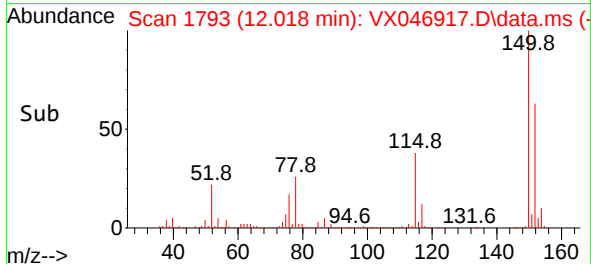
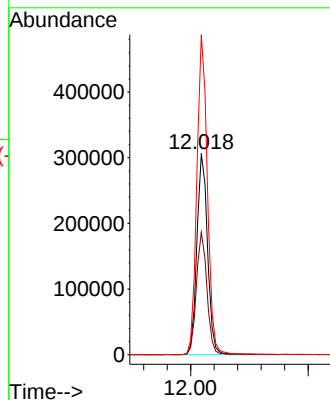
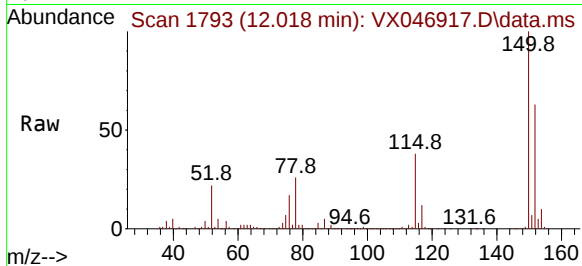




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX046917.D
Acq: 08 Jul 2025 13:45

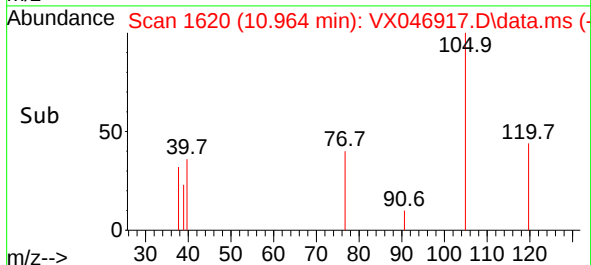
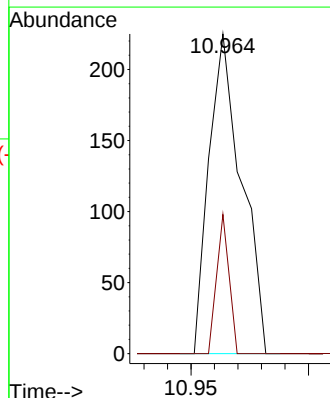
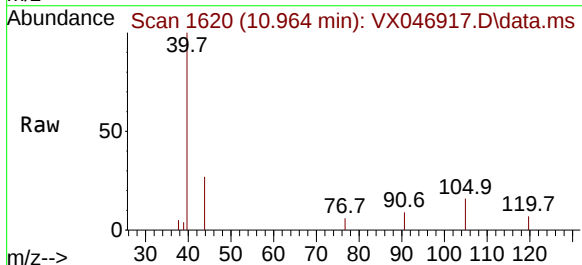
Instrument :
MSVOA_X
ClientSampleId :
IBLK

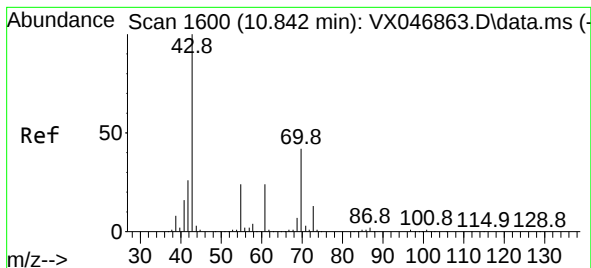
Tgt Ion:152 Resp: 386571
Ion Ratio Lower Upper
152 100
115 60.4 42.4 127.1
150 157.1 0.0 349.2



#73
Isopropylbenzene
Concen: 0.008 ug/l
RT: 10.964 min Scan# 1620
Delta R.T. 0.006 min
Lab File: VX046917.D
Acq: 08 Jul 2025 13:45

Tgt Ion:105 Resp: 217
Ion Ratio Lower Upper
105 100
120 16.6 13.2 39.5





#74

N-amy1 acetate

Concen: 0.027 ug/l

RT: 10.829 min Scan# 1638

Delta R.T. -0.012 min

Lab File: VX046917.D

Acq: 08 Jul 2025 13:45

Instrument :

MSVOA_X

ClientSampleId :

IBLK

Tgt Ion: 43 Resp: 249

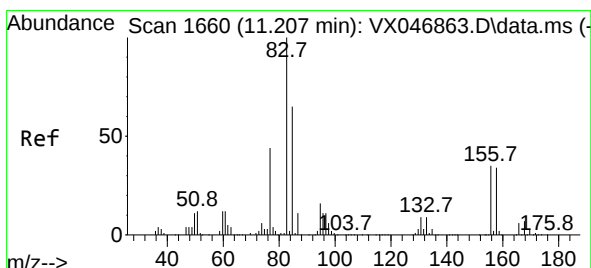
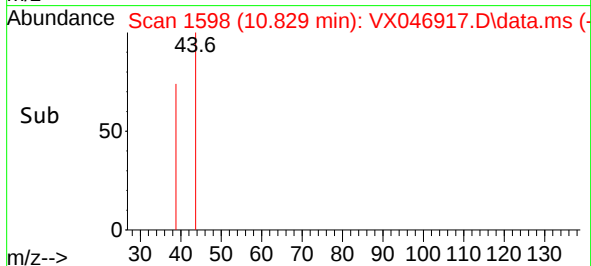
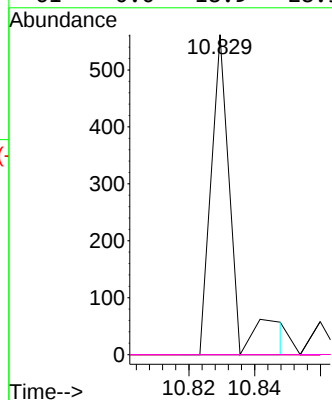
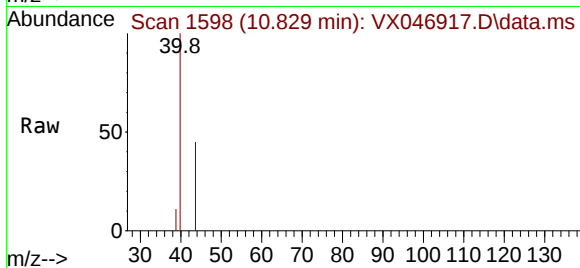
Ion Ratio Lower Upper

43 100

70 0.0 33.4 50.2#

55 0.0 19.6 29.4#

61 0.0 18.9 28.3#



#75

1,1,2,2-Tetrachloroethane

Concen: 0.032 ug/l

RT: 11.073 min Scan# 1638

Delta R.T. -0.134 min

Lab File: VX046917.D

Acq: 08 Jul 2025 13:45

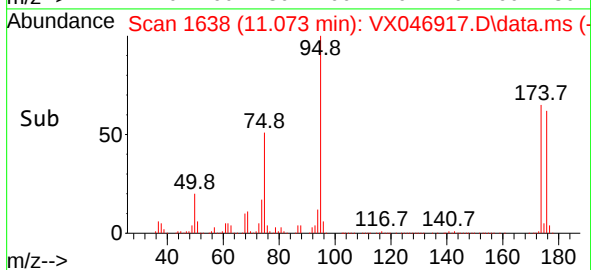
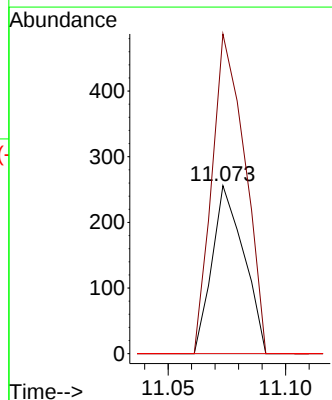
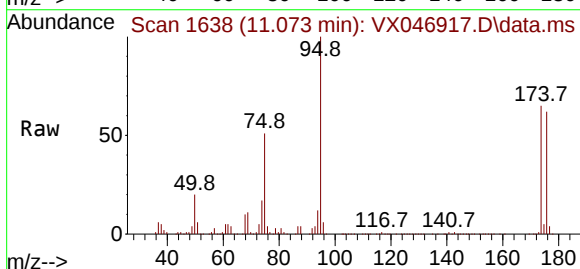
Tgt Ion: 83 Resp: 241

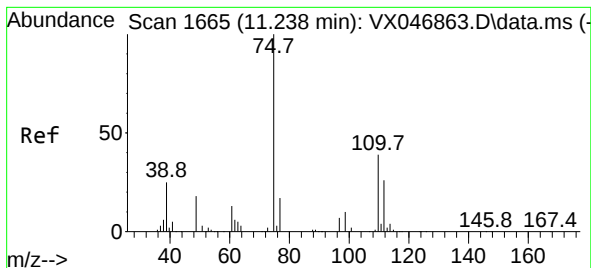
Ion Ratio Lower Upper

83 100

131 196.3 5.0 14.9#

85 0.0 32.1 96.5#





#76

1,2,3-Trichloropropane

Concen: 7.220 ug/l

RT: 11.384 min Scan# 1

Delta R.T. 0.146 min

Lab File: VX046917.D

Acq: 08 Jul 2025 13:45

Instrument :

MSVOA_X

ClientSampleId :

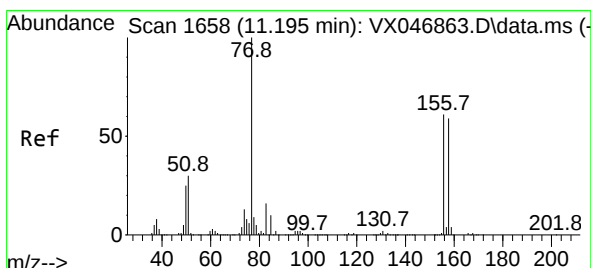
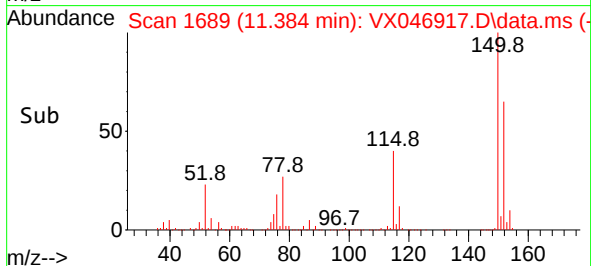
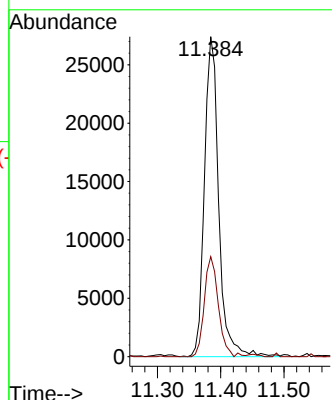
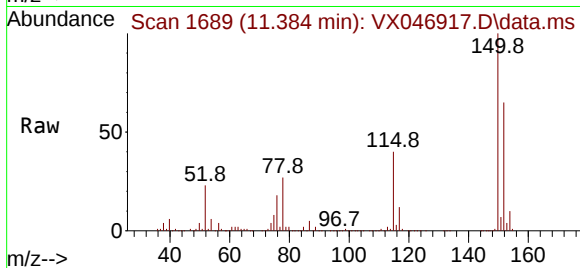
IBLK

Tgt Ion: 75 Resp: 43128

Ion Ratio Lower Upper

75 100

77 30.7 20.6 61.8



#77

Bromobenzene

Concen: 0.022 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.116 min

Lab File: VX046917.D

Acq: 08 Jul 2025 13:45

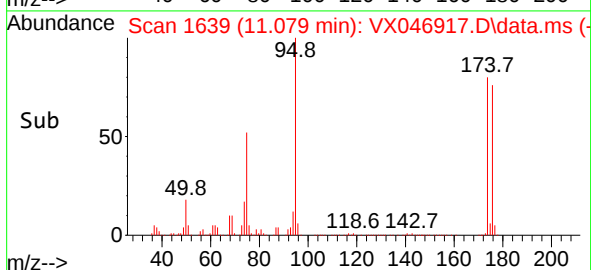
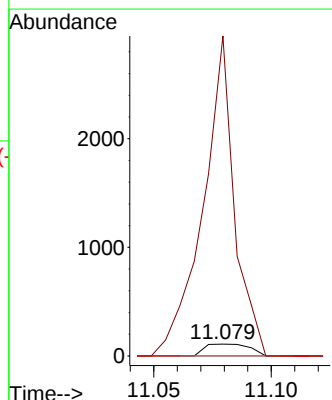
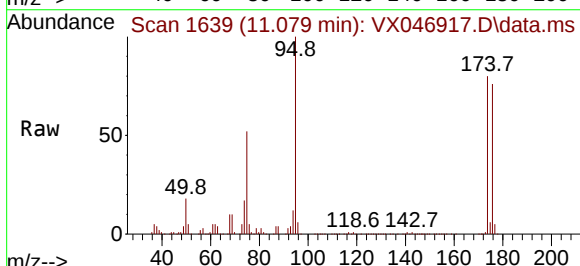
Tgt Ion:156 Resp: 146

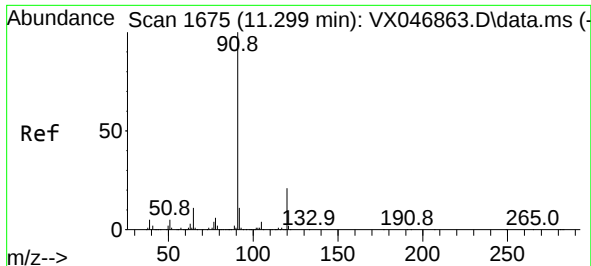
Ion Ratio Lower Upper

156 100

77 1875.3 82.3 247.0#

158 0.0 47.5 142.6#

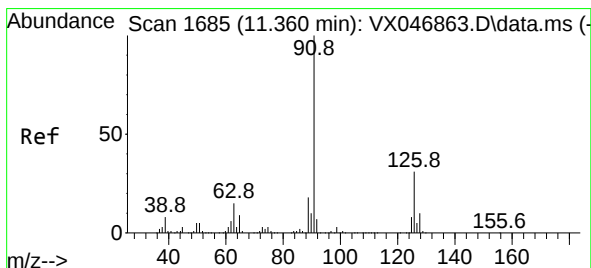
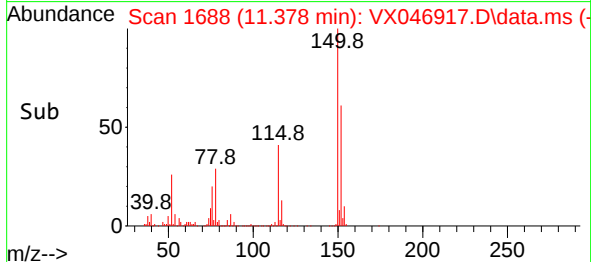
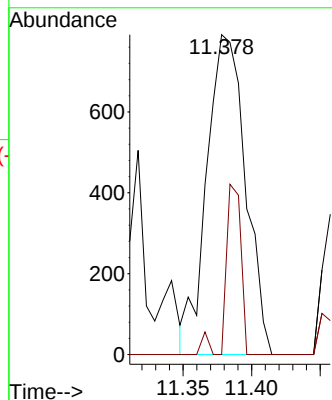
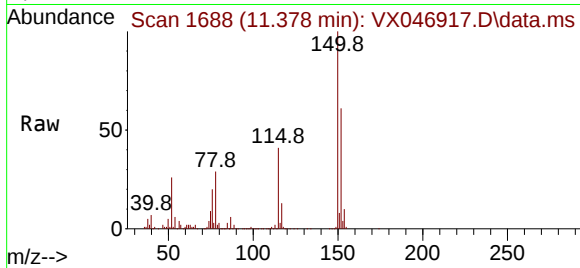




#78
n-propylbenzene
Concen: 0.048 ug/l
RT: 11.378 min Scan# 11
Delta R.T. 0.079 min
Lab File: VX046917.D
Acq: 08 Jul 2025 13:45

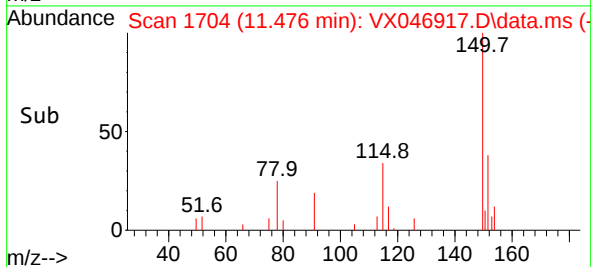
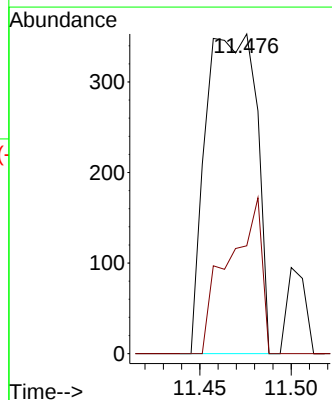
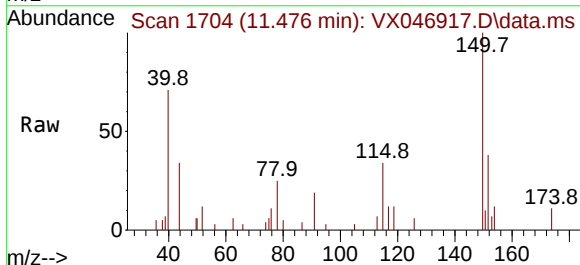
Instrument :
MSVOA_X
ClientSampleId :
IBLK

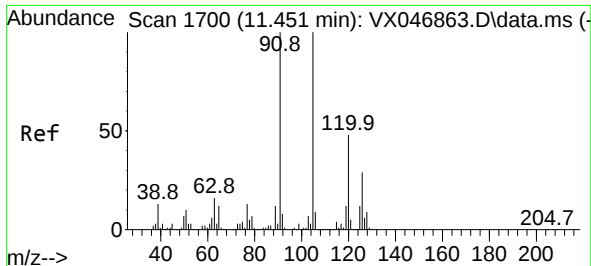
Tgt Ion: 91 Resp: 1557
Ion Ratio Lower Upper
91 100
120 20.5 11.2 33.5



#79
2-Chlorotoluene
Concen: 0.035 ug/l
RT: 11.476 min Scan# 1704
Delta R.T. 0.116 min
Lab File: VX046917.D
Acq: 08 Jul 2025 13:45

Tgt Ion: 91 Resp: 679
Ion Ratio Lower Upper
91 100
126 32.1 16.6 49.8

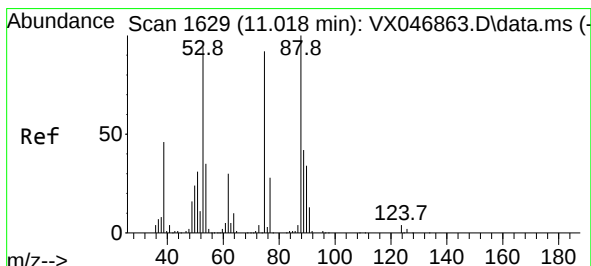
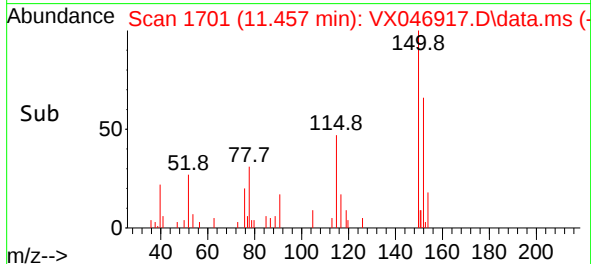
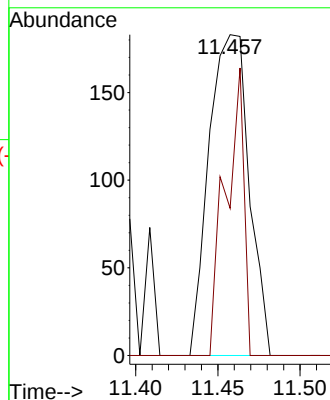
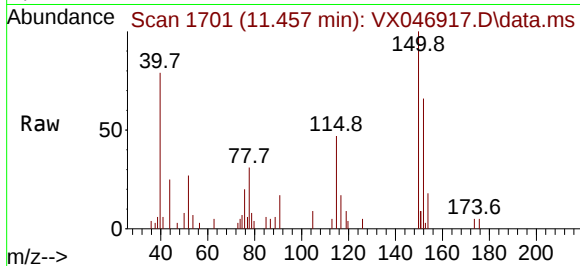




#80
1,3,5-Trimethylbenzene
Concen: 0.014 ug/l
RT: 11.457 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX046917.D
Acq: 08 Jul 2025 13:45

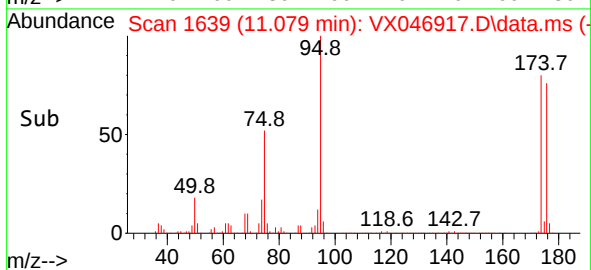
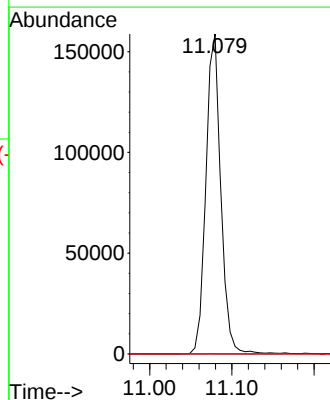
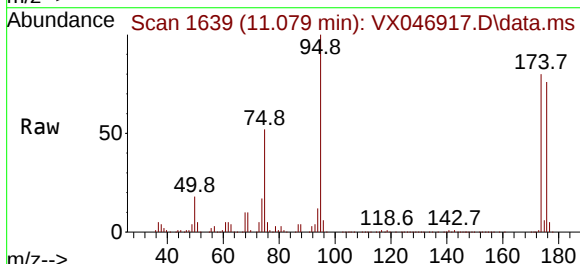
Instrument :
MSVOA_X
ClientSampleId :
IBLK

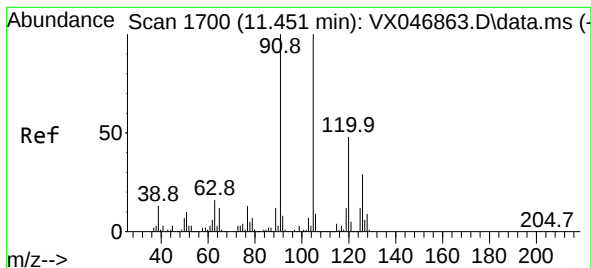
Tgt Ion:105 Resp: 311
Ion Ratio Lower Upper
105 100
120 41.2 24.1 72.4



#81
trans-1,4-Dichloro-2-butene
Concen: 89.605 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX046917.D
Acq: 08 Jul 2025 13:45

Tgt Ion: 75 Resp: 199447
Ion Ratio Lower Upper
75 100
53 0.0 83.7 125.5#
89 0.0 38.2 57.2#

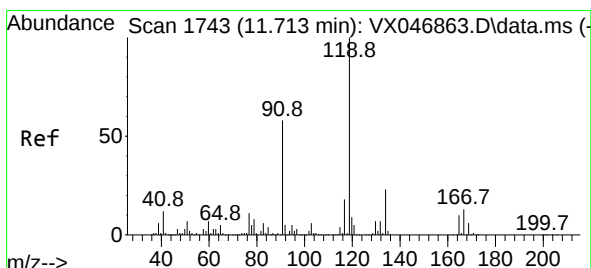
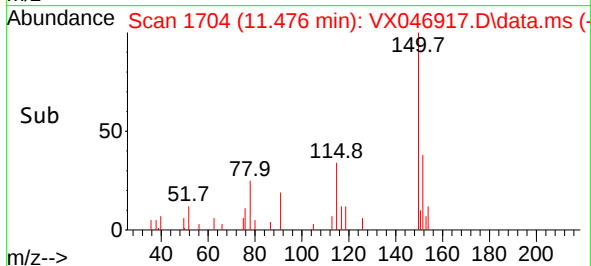
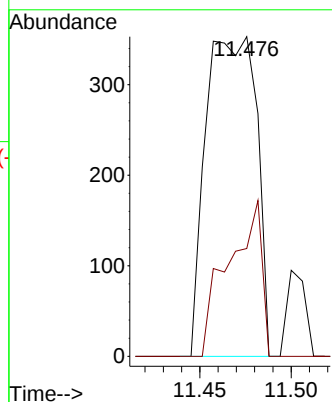
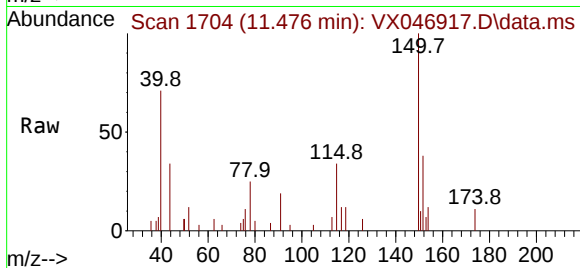




#82
4-Chlorotoluene
Concen: 0.030 ug/l
RT: 11.476 min Scan# 11
Delta R.T. 0.024 min
Lab File: VX046917.D
Acq: 08 Jul 2025 13:45

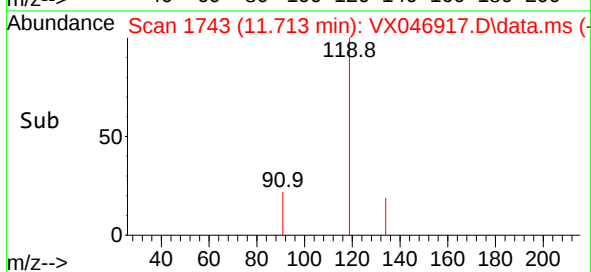
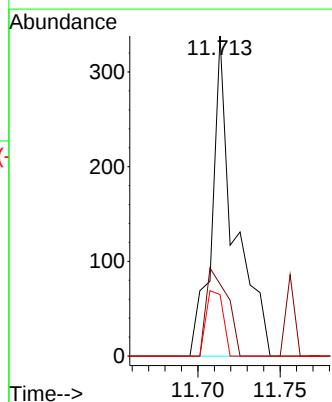
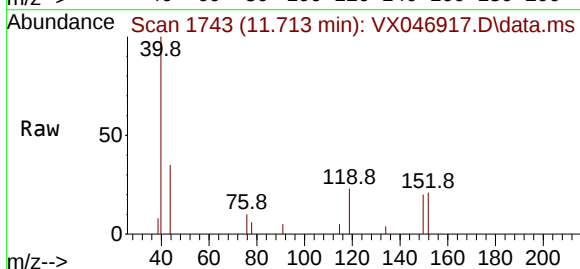
Instrument :
MSVOA_X
ClientSampleId :
IBLK

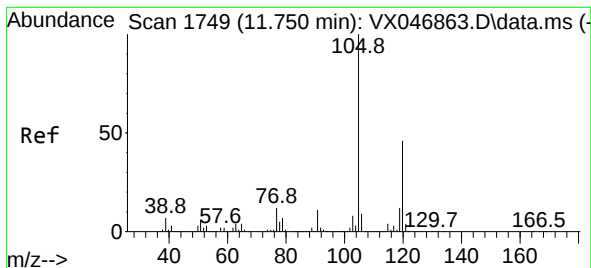
Tgt Ion: 91 Resp: 679
Ion Ratio Lower Upper
91 100
126 32.1 14.6 44.0



#83
tert-Butylbenzene
Concen: 0.014 ug/l
RT: 11.713 min Scan# 1743
Delta R.T. 0.000 min
Lab File: VX046917.D
Acq: 08 Jul 2025 13:45

Tgt Ion: 119 Resp: 320
Ion Ratio Lower Upper
119 100
91 25.9 28.7 86.3#
134 15.3 11.4 34.2





#84

1,2,4-Trimethylbenzene

Concen: 0.005 ug/l

RT: 11.750 min Scan# 11

Delta R.T. 0.000 min

Lab File: VX046917.D

Acq: 08 Jul 2025 13:45

Instrument :

MSVOA_X

ClientSampleId :

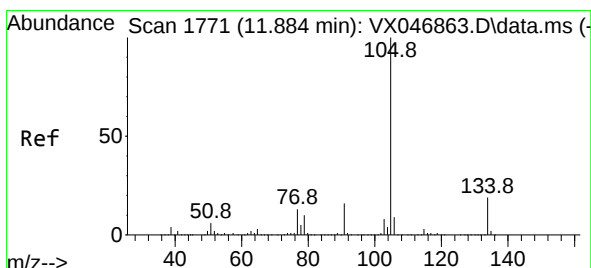
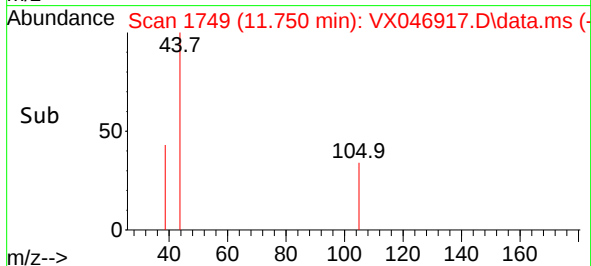
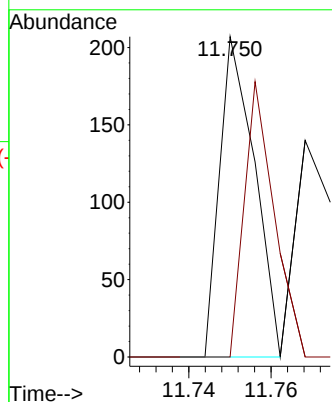
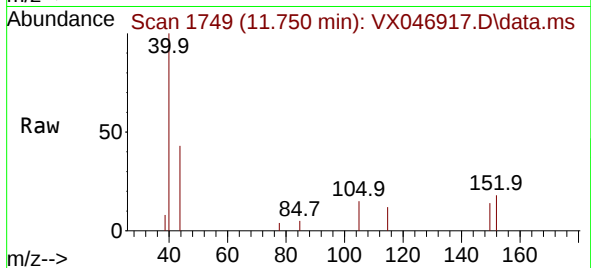
IBLK

Tgt Ion:105 Resp: 122

Ion Ratio Lower Upper

105 100

120 73.8 23.3 69.8#



#85

sec-Butylbenzene

Concen: 0.018 ug/l

RT: 11.890 min Scan# 1772

Delta R.T. 0.006 min

Lab File: VX046917.D

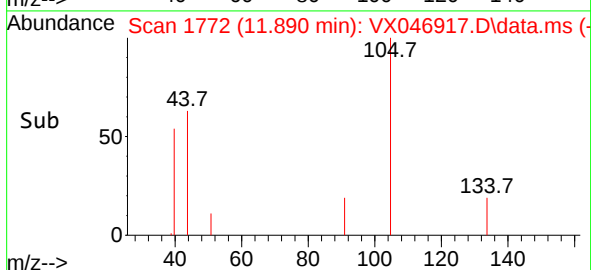
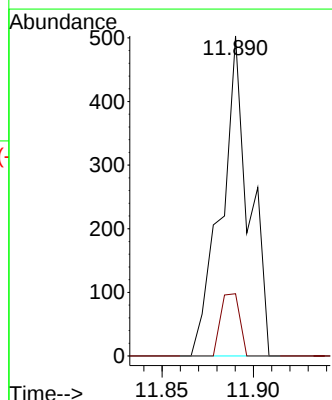
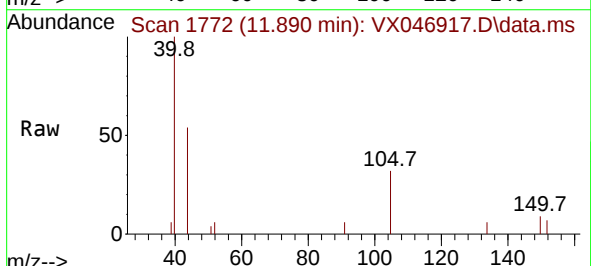
Acq: 08 Jul 2025 13:45

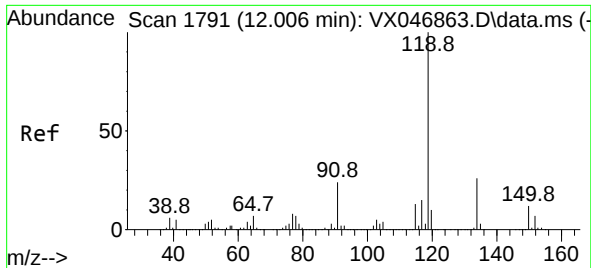
Tgt Ion:105 Resp: 531

Ion Ratio Lower Upper

105 100

134 13.4 9.9 29.7

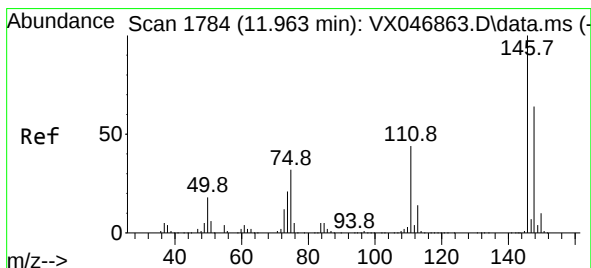
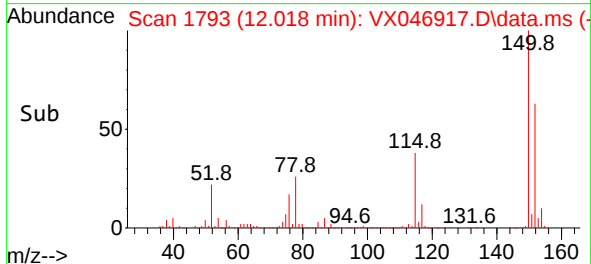
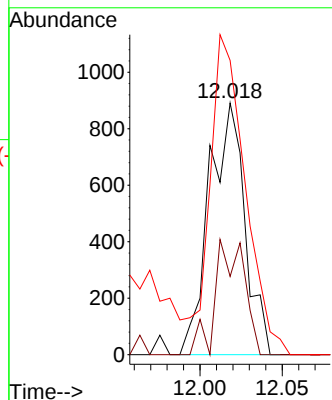
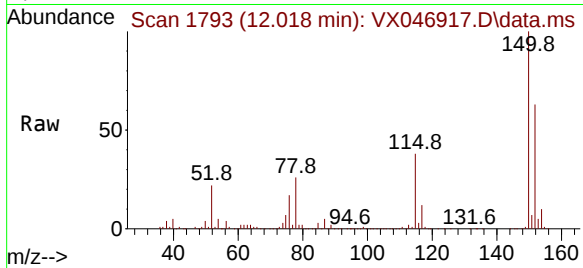




#86
p-Isopropyltoluene
Concen: 0.056 ug/l
RT: 12.018 min Scan# 11
Delta R.T. 0.012 min
Lab File: VX046917.D
Acq: 08 Jul 2025 13:45

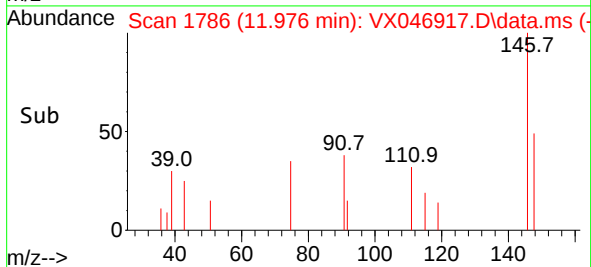
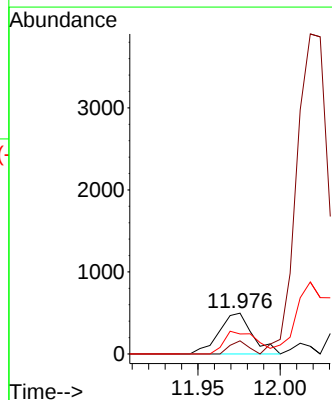
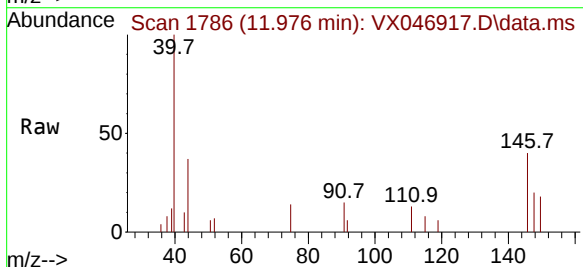
Instrument :
MSVOA_X
ClientSampleId :
IBLK

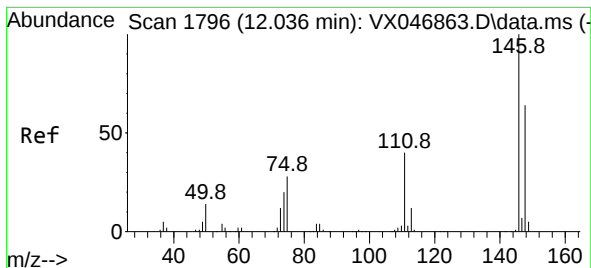
Tgt Ion:119 Resp: 1346
Ion Ratio Lower Upper
119 100
134 37.1 13.0 39.0
91 127.2 12.0 36.1#



#87
1,3-Dichlorobenzene
Concen: 0.055 ug/l
RT: 11.976 min Scan# 1786
Delta R.T. 0.012 min
Lab File: VX046917.D
Acq: 08 Jul 2025 13:45

Tgt Ion:146 Resp: 700
Ion Ratio Lower Upper
146 100
111 0.0 20.5 61.6#
148 55.1 31.4 94.2





#88

1,4-Dichlorobenzene

Concen: 0.040 ug/l

RT: 12.037 min Scan# 11

Delta R.T. 0.000 min

Lab File: VX046917.D

Acq: 08 Jul 2025 13:45

Instrument :

MSVOA_X

ClientSampleId :

IBLK

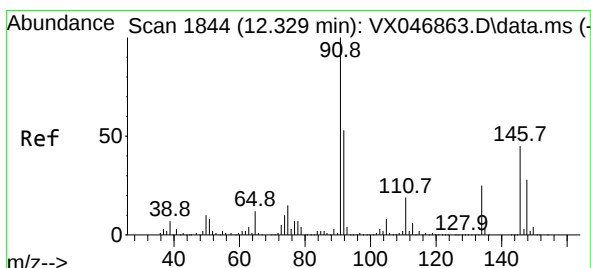
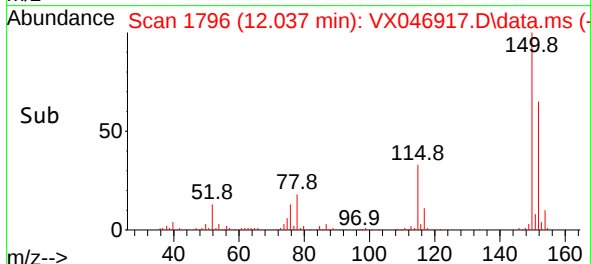
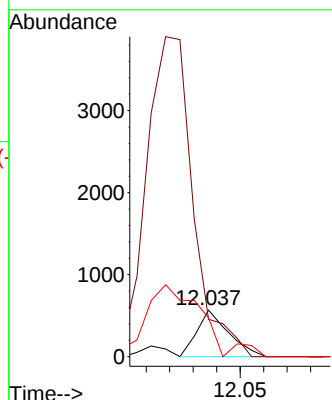
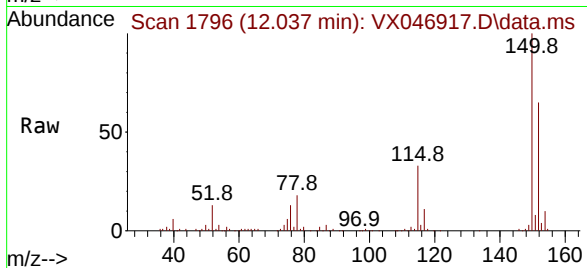
Tgt Ion:146 Resp: 530

Ion Ratio Lower Upper

146 100

111 0.0 20.2 60.5#

148 0.0 32.4 97.0#



#89

n-Butylbenzene

Concen: 0.055 ug/l

RT: 12.347 min Scan# 1847

Delta R.T. 0.018 min

Lab File: VX046917.D

Acq: 08 Jul 2025 13:45

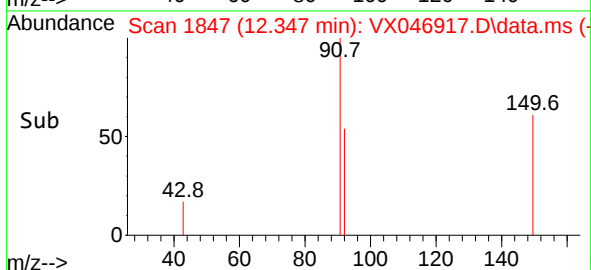
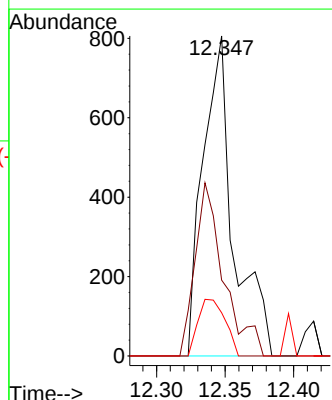
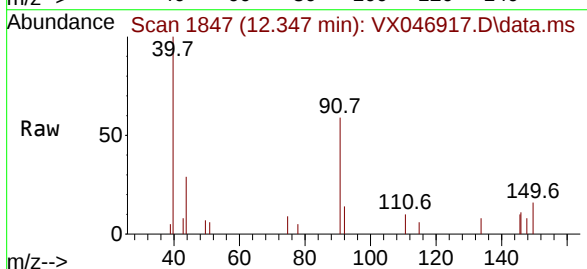
Tgt Ion: 91 Resp: 1245

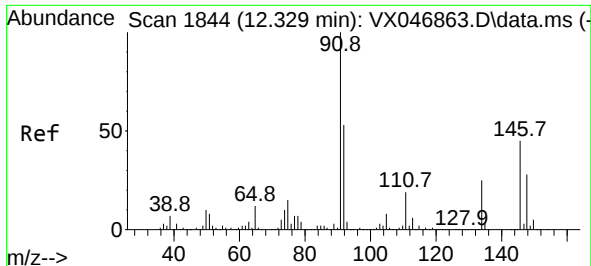
Ion Ratio Lower Upper

91 100

92 50.9 27.0 81.0

134 15.7 12.8 38.4

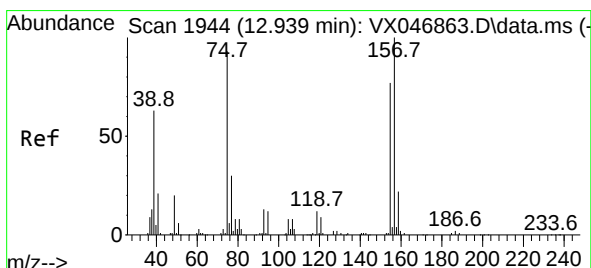
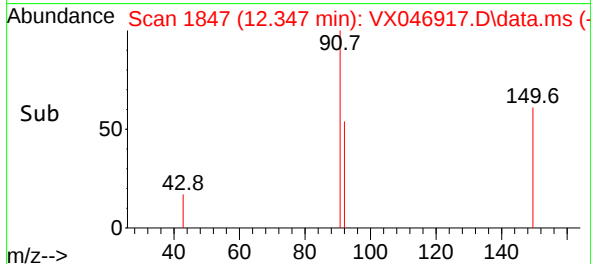
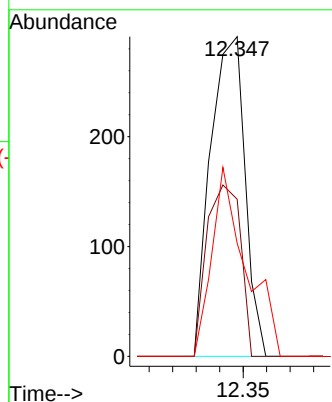
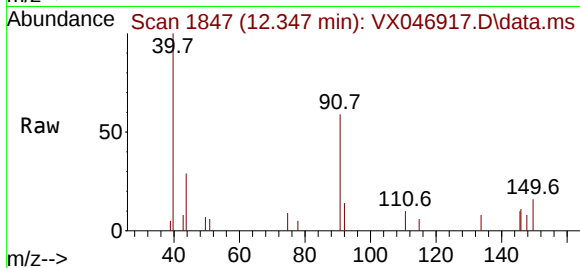




#91
 1,2-Dichlorobenzene
 Concen: 0.024 ug/l
 RT: 12.347 min Scan# 11
 Delta R.T. 0.018 min
 Lab File: VX046917.D
 Acq: 08 Jul 2025 13:45

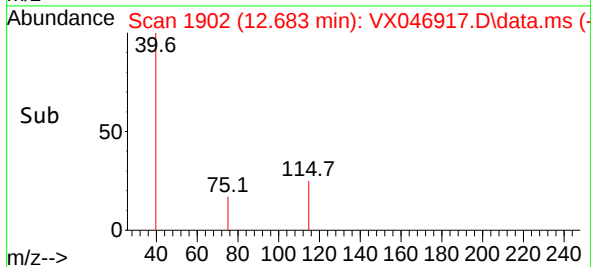
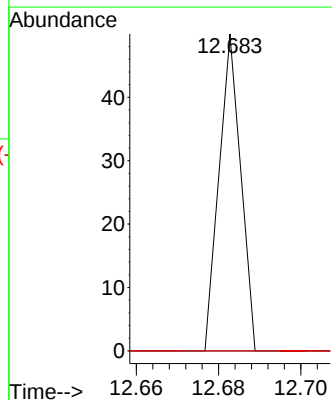
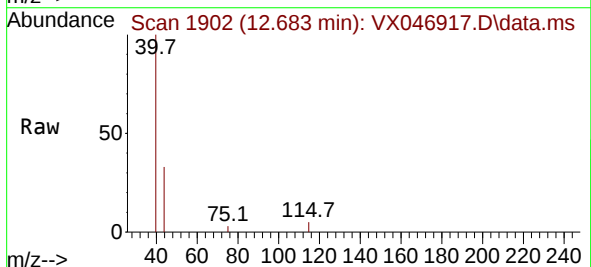
Instrument :
 MSVOA_X
 ClientSampleId :
 IBLK

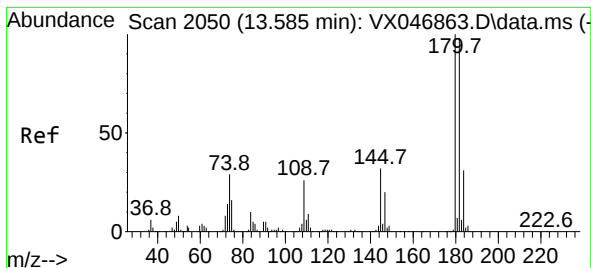
Tgt Ion:146 Resp: 297
 Ion Ratio Lower Upper
 146 100
 111 52.5 21.1 63.1
 148 58.2 31.6 95.0



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 0.014 ug/l
 RT: 12.683 min Scan# 1902
 Delta R.T. -0.256 min
 Lab File: VX046917.D
 Acq: 08 Jul 2025 13:45

Tgt Ion: 75 Resp: 18
 Ion Ratio Lower Upper
 75 100
 155 0.0 43.1 129.4#
 157 0.0 56.5 169.5#





#93

1,2,4-Trichlorobenzene

Concen: 0.090 ug/l

RT: 13.597 min Scan# 2050

Delta R.T. 0.012 min

Lab File: VX046917.D

Acq: 08 Jul 2025 13:45

Instrument :

MSVOA_X

ClientSampleId :

IBLK

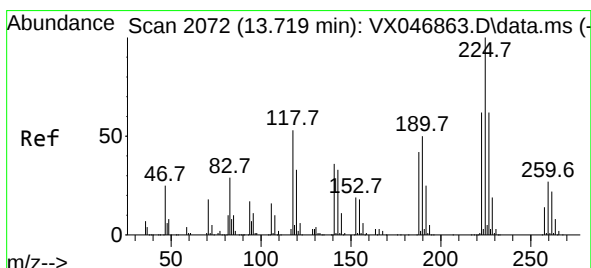
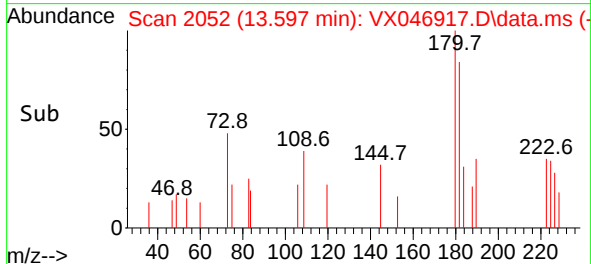
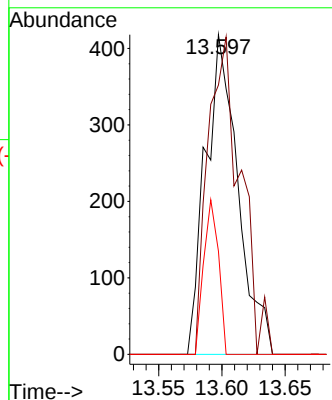
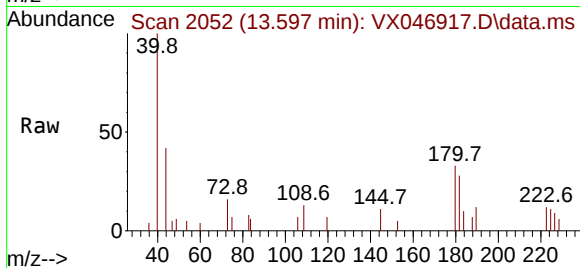
Tgt Ion:180 Resp: 746

Ion Ratio Lower Upper

180 100

182 99.7 47.3 141.9

145 22.3 16.1 48.2



#94

Hexachlorobutadiene

Concen: 0.142 ug/l

RT: 13.603 min Scan# 2053

Delta R.T. -0.116 min

Lab File: VX046917.D

Acq: 08 Jul 2025 13:45

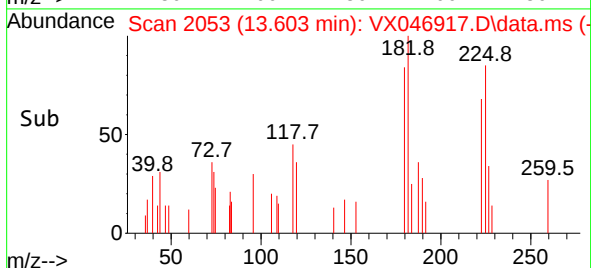
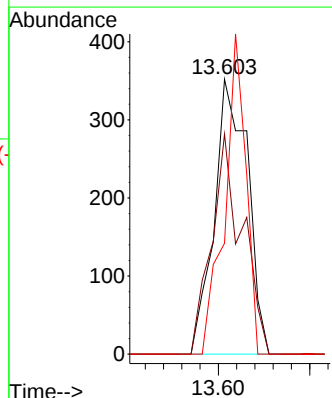
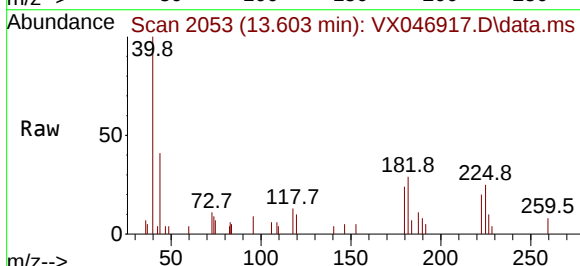
Tgt Ion:225 Resp: 445

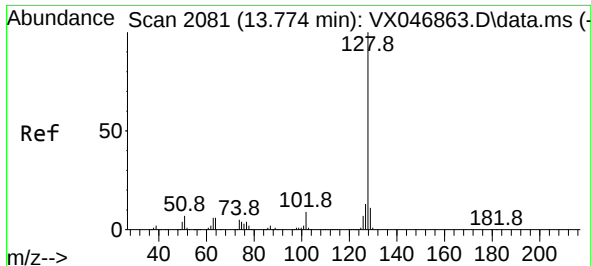
Ion Ratio Lower Upper

225 100

223 73.7 31.6 94.7

227 73.7 31.6 94.7

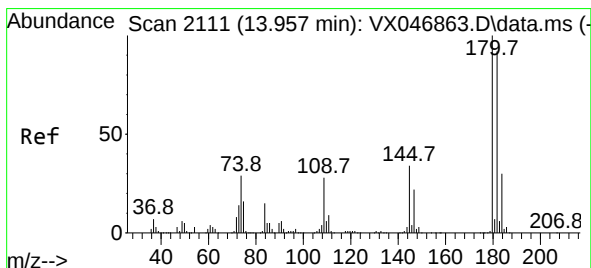
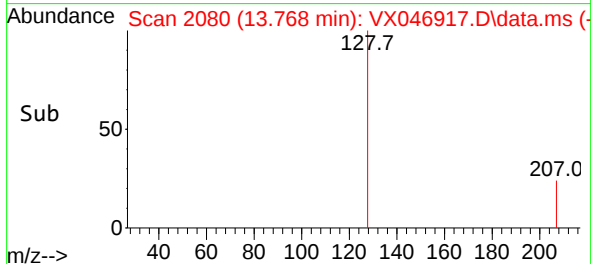
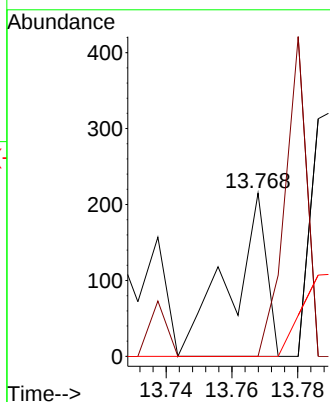
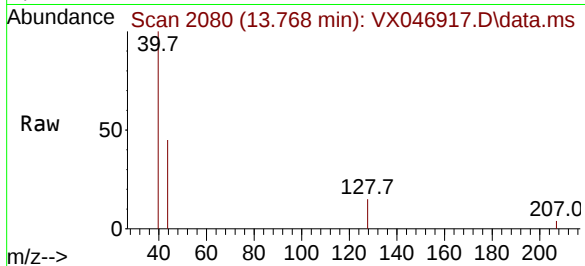




#95
Naphthalene
Concen: 0.007 ug/l
RT: 13.768 min Scan# 2080
Delta R.T. -0.006 min
Lab File: VX046917.D
Acq: 08 Jul 2025 13:45

Instrument :
MSVOA_X
ClientSampleId :
IBLK

Tgt Ion:128 Resp: 162
Ion Ratio Lower Upper
128 100
127 0.0 10.2 15.4#
129 0.0 8.6 13.0#



#96
1,2,3-Trichlorobenzene
Concen: 0.075 ug/l
RT: 13.969 min Scan# 2113
Delta R.T. 0.012 min
Lab File: VX046917.D
Acq: 08 Jul 2025 13:45

Tgt Ion:180 Resp: 591
Ion Ratio Lower Upper
180 100
182 80.7 46.7 140.1
145 18.4 16.8 50.3

