

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX070725\
 Data File : VX046902.D
 Acq On : 07 Jul 2025 13:07
 Operator : JC/MD
 Sample : IBLK
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 IBLK

Quant Time: Jul 08 04:52:11 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X070225W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 08 04:37:37 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.562	168	387345	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	679390	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	616906	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	306943	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	261983	51.197	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 102.400%	
35) Dibromofluoromethane	5.397	113	222695	48.289	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 96.580%	
50) Toluene-d8	8.653	98	813973	50.026	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 100.060%	
62) 4-Bromofluorobenzene	11.079	95	306274	49.527	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 99.060%	

Target Compounds				Qvalue		
3) Chloromethane	1.313	50	82	0.020	ug/l #	43
4) Vinyl Chloride	1.538	62	21	0.005	ug/l #	43
5) Bromomethane	1.648	94	575	0.203	ug/l	84
6) Chloroethane	1.703	64	82	0.028	ug/l #	42
8) Diethyl Ether	2.154	74	68	0.028	ug/l	55
10) Methyl Iodide	2.477	142	744	0.157	ug/l #	86
13) Acrolein	2.252	56	44	0.110	ug/l #	82
14) Allyl chloride	2.684	41	70	0.009	ug/l #	34
16) Acetone	2.386	43	641	0.403	ug/l	90
17) Carbon Disulfide	2.532	76	4007	0.364	ug/l #	93
18) Methyl Acetate	2.715	43	54	0.013	ug/l #	53
20) Methylene Chloride	2.806	84	1286	0.274	ug/l #	83
22) Diisopropyl ether	3.672	45	23	0.002	ug/l #	13
23) Vinyl Acetate	3.745	43	167	0.015	ug/l #	72
25) 2-Butanone	4.593	43	162	0.076	ug/l #	50
29) Tetrahydrofuran	4.891	42	64	0.047	ug/l #	34
30) Chloroform	5.123	83	22	0.003	ug/l #	70
31) Cyclohexane	5.562	56	8266	1.130	ug/l #	1
32) 1,1,1-Trichloroethane	5.562	97	36	0.005	ug/l #	1
36) 1,1-Dichloropropene	5.562	75	30631	4.923	ug/l #	51
37) Ethyl Acetate	4.763	43	198	0.037	ug/l #	70
38) Carbon Tetrachloride	5.562	117	39054	5.937	ug/l #	17
39) Methylcyclohexane	7.385	83	58	0.007	ug/l #	17
40) Benzene	6.050	78	21	0.001	ug/l #	52
41) Methacrylonitrile	4.788	41	66	0.023	ug/l #	2
42) 1,2-Dichloroethane	6.123	62	438	0.069	ug/l #	74
43) Isopropyl Acetate	6.318	43	412	0.051	ug/l #	61
45) 1,2-Dichloropropane	7.281	63	67	0.014	ug/l #	44
48) Methyl methacrylate	7.830	41	19	0.005	ug/l #	15
49) 1,4-Dioxane	7.562	88	30	0.618	ug/l #	27
51) 4-Methyl-2-Pentanone	8.543	43	262	0.055	ug/l #	37
52) Toluene	8.726	92	63	0.005	ug/l	99
53) t-1,3-Dichloropropene	9.007	75	26	0.004	ug/l #	43
55) 1,1,2-Trichloroethane	8.897	97	55	0.013	ug/l #	31
59) 2-Hexanone	9.433	43	19	0.006	ug/l #	24
60) Dibromochloromethane	9.445	129	18	0.003	ug/l #	10

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX070725\
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 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X070225W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 08 04:37:37 2025
 Response via : Initial Calibration

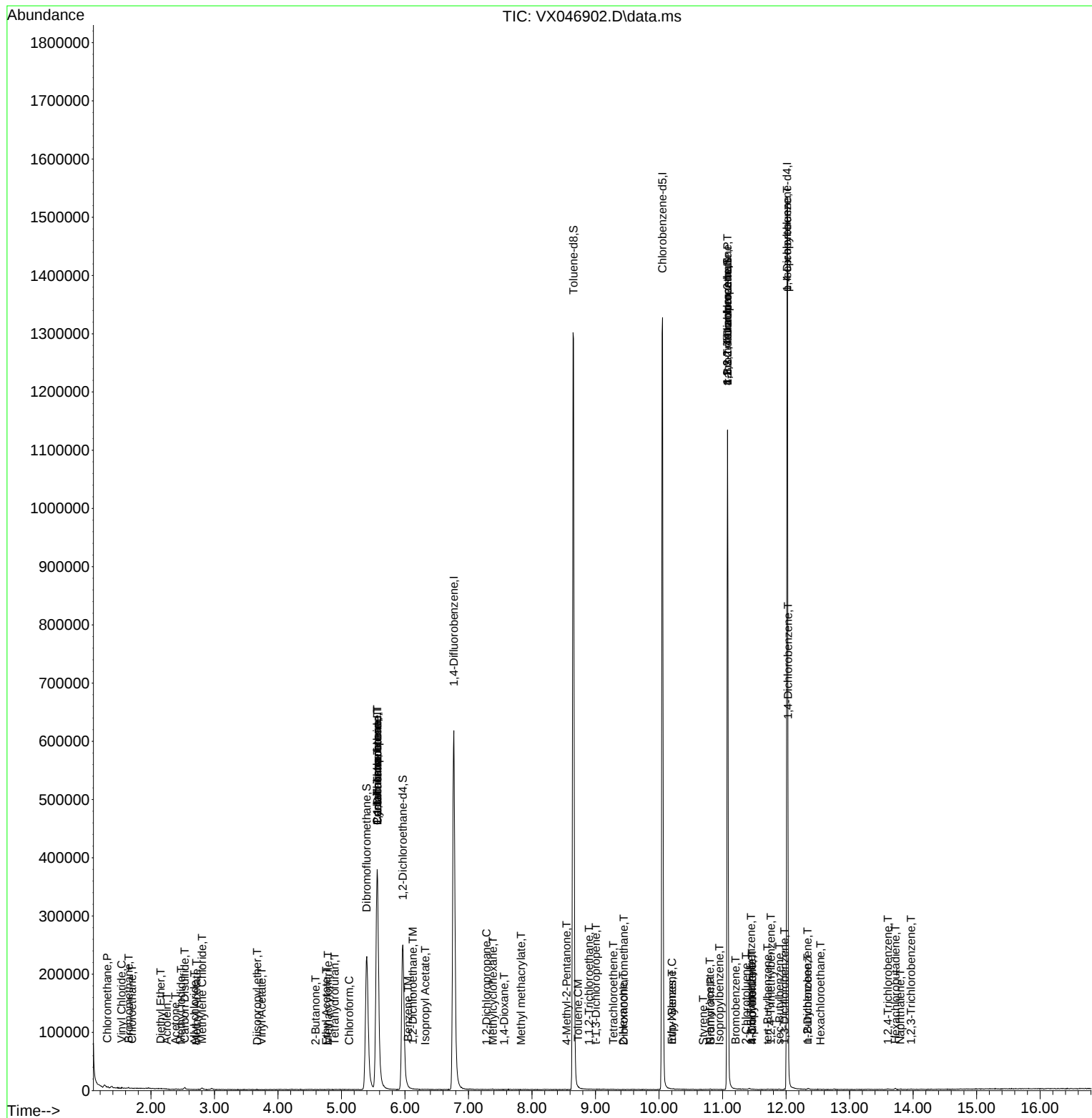
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

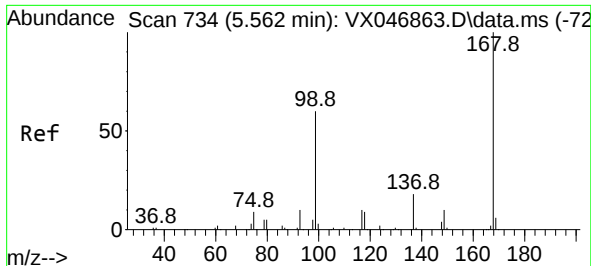
64) Tetrachloroethene	9.281	164	27	0.007	ug/l #	1
67) Ethyl Benzene	10.201	91	107	0.005	ug/l #	68
68) m/p-Xylenes	10.201	106	45	0.005	ug/l	79
70) Styrene	10.695	104	109	0.008	ug/l #	26
71) Bromoform	10.811	173	199	0.060	ug/l #	29
73) Isopropylbenzene	10.951	105	28	0.001	ug/l #	49
74) N-amyl acetate	10.799	43	215	0.029	ug/l #	43
75) 1,1,2,2-Tetrachloroethane	11.079	83	63	0.011	ug/l #	1
76) 1,2,3-Trichloropropane	11.079	75	153793	32.427	ug/l #	36
77) Bromobenzene	11.207	156	47	0.009	ug/l #	47
78) n-propylbenzene	11.463	91	258	0.010	ug/l	95
79) 2-Chlorotoluene	11.372	91	191	0.012	ug/l #	41
80) 1,3,5-Trimethylbenzene	11.451	105	60	0.003	ug/l #	14
81) trans-1,4-Dichloro-2-b...	11.079	75	153793	87.019	ug/l #	8
82) 4-Chlorotoluene	11.463	91	258	0.015	ug/l #	45
83) tert-Butylbenzene	11.707	119	130	0.007	ug/l #	55
84) 1,2,4-Trimethylbenzene	11.762	105	302	0.017	ug/l #	30
85) sec-Butylbenzene	11.896	105	619	0.027	ug/l	85
86) p-Isopropyltoluene	12.018	119	872	0.046	ug/l #	1
87) 1,3-Dichlorobenzene	11.976	146	446	0.044	ug/l #	35
88) 1,4-Dichlorobenzene	12.030	146	743	0.071	ug/l #	1
89) n-Butylbenzene	12.341	91	794	0.044	ug/l #	72
90) Hexachloroethane	12.542	117	98	0.029	ug/l #	14
91) 1,2-Dichlorobenzene	12.341	146	238	0.024	ug/l #	51
93) 1,2,4-Trichlorobenzene	13.603	180	512	0.077	ug/l #	78
94) Hexachlorobutadiene	13.725	225	392	0.157	ug/l	91
95) Naphthalene	13.798	128	777	0.045	ug/l #	69
96) 1,2,3-Trichlorobenzene	13.969	180	399	0.064	ug/l #	78

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

Instrument :
MSVOA_X
ClientSampleId :
IBLK

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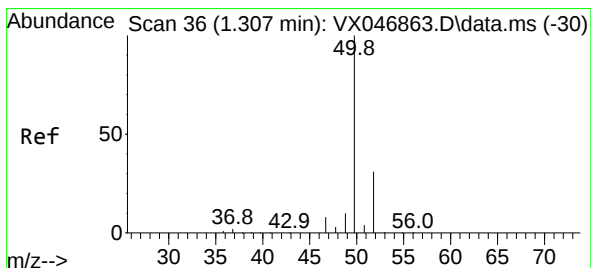
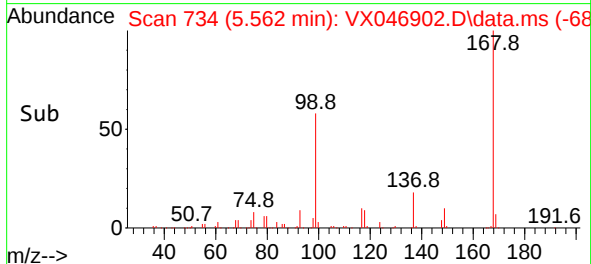
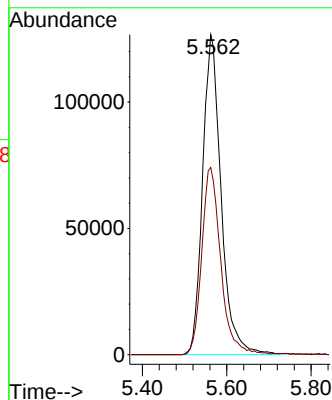
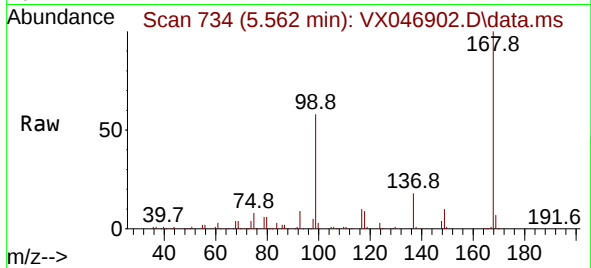




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 71
Delta R.T. 0.000 min
Lab File: VX046902.D
Acq: 07 Jul 2025 13:07

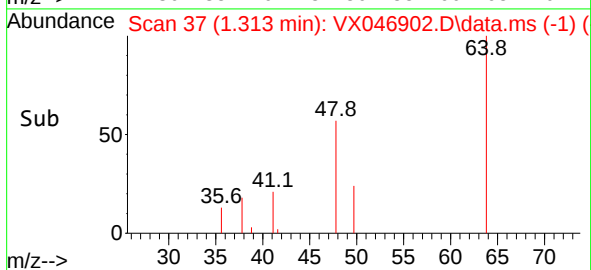
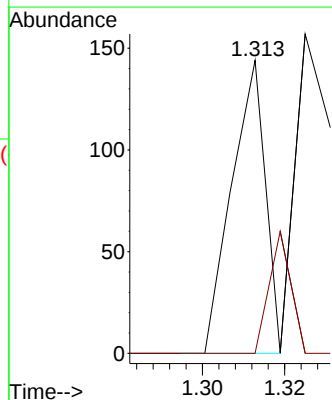
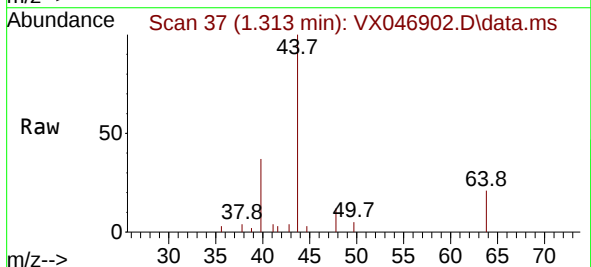
Instrument :
MSVOA_X
ClientSampleId :
IBLK

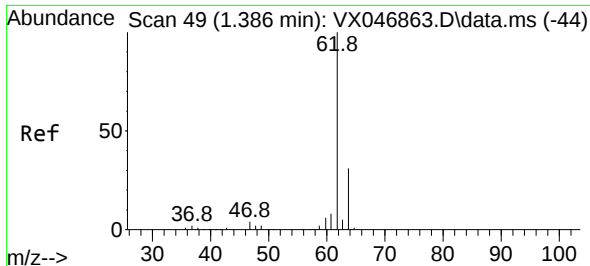
Tgt Ion:168 Resp: 387345
Ion Ratio Lower Upper
168 100
99 58.5 48.8 73.2



#3
Chloromethane
Concen: 0.020 ug/l
RT: 1.313 min Scan# 37
Delta R.T. 0.006 min
Lab File: VX046902.D
Acq: 07 Jul 2025 13:07

Tgt Ion: 50 Resp: 82
Ion Ratio Lower Upper
50 100
52 0.0 25.0 37.4#

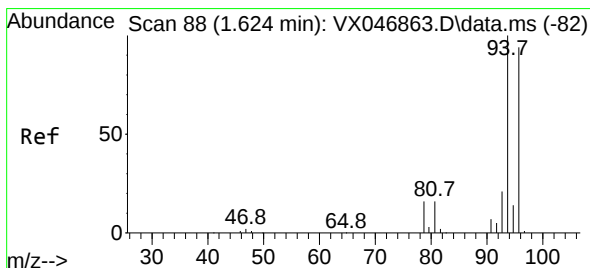
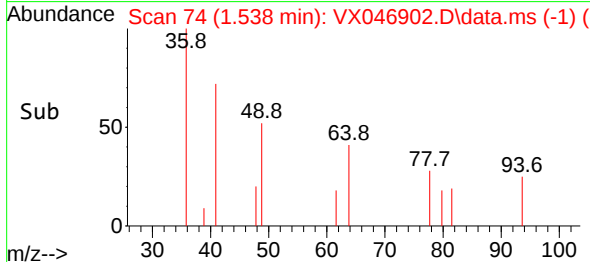
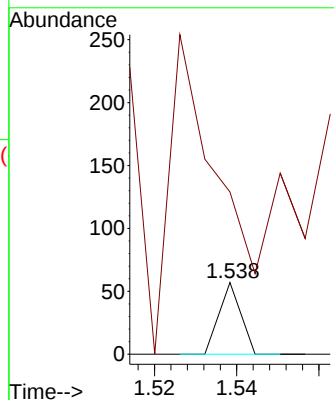
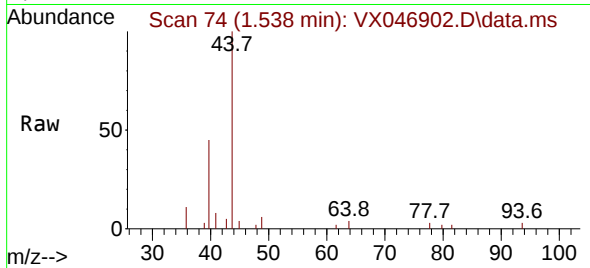




#4
 Vinyl Chloride
 Concen: 0.005 ug/l
 RT: 1.538 min Scan# 74
 Delta R.T. 0.152 min
 Lab File: VX046902.D
 Acq: 07 Jul 2025 13:07

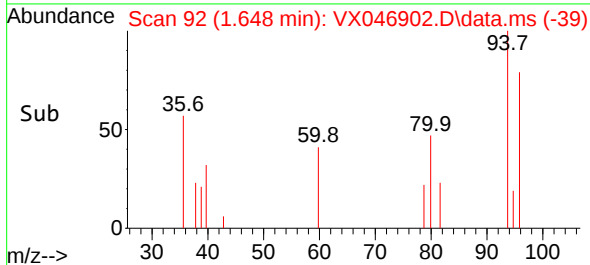
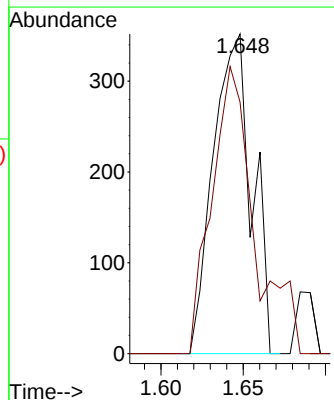
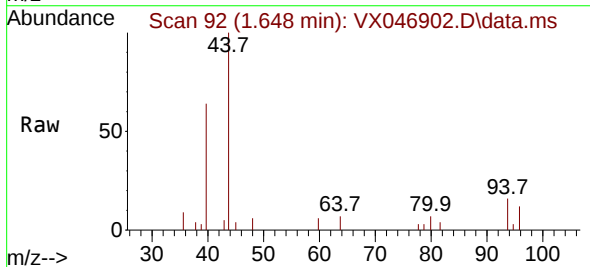
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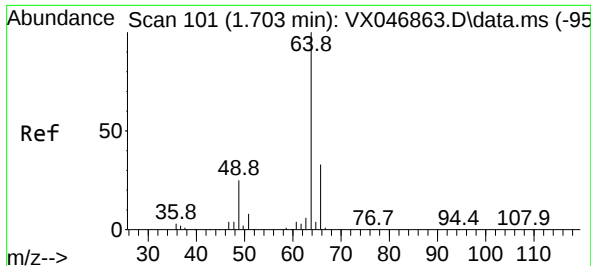
Tgt Ion: 62 Resp: 21
 Ion Ratio Lower Upper
 62 100
 64 0.0 25.0 37.4#



#5
 Bromomethane
 Concen: 0.203 ug/l
 RT: 1.648 min Scan# 92
 Delta R.T. 0.024 min
 Lab File: VX046902.D
 Acq: 07 Jul 2025 13:07

Tgt Ion: 94 Resp: 575
 Ion Ratio Lower Upper
 94 100
 96 78.7 75.5 113.3

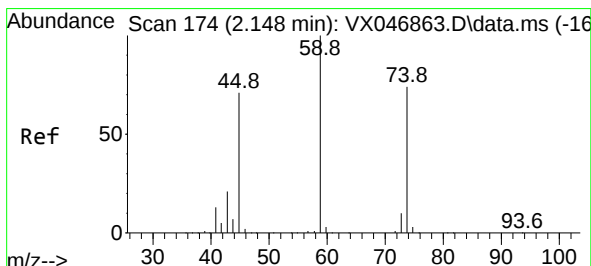
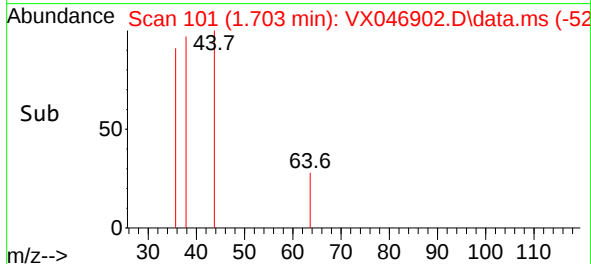
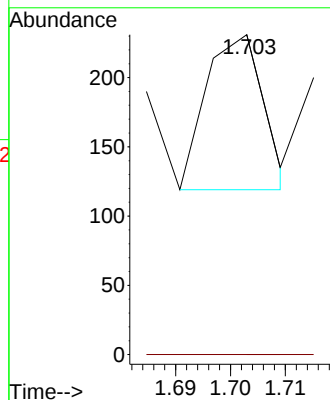
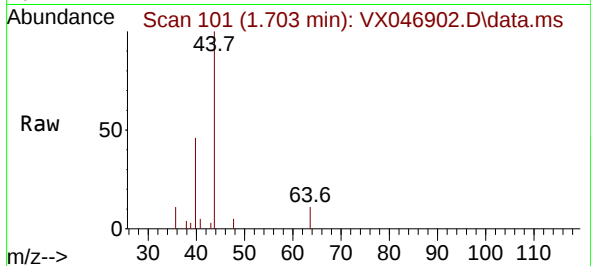




#6
Chloroethane
Concen: 0.028 ug/l
RT: 1.703 min Scan# 101
Delta R.T. -0.000 min
Lab File: VX046902.D
Acq: 07 Jul 2025 13:07

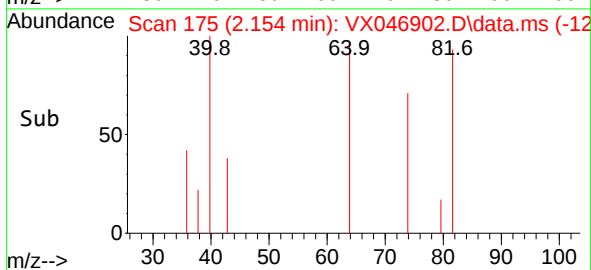
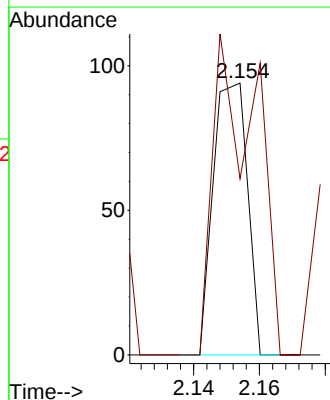
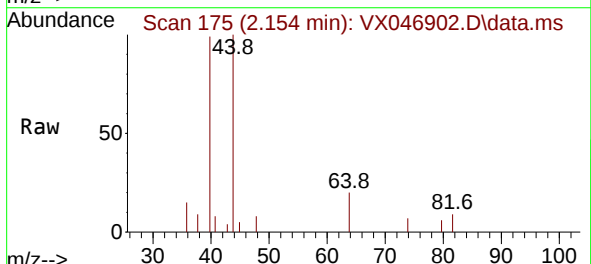
Instrument :
MSVOA_X
ClientSampleId :
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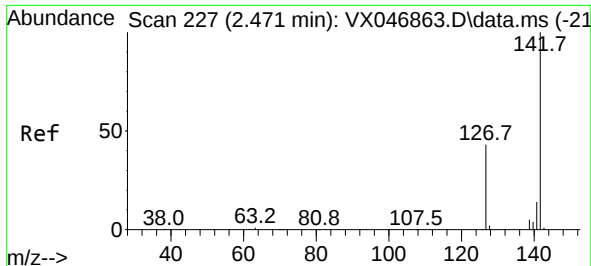
Tgt Ion: 64 Resp: 82
Ion Ratio Lower Upper
64 100
66 0.0 26.4 39.6#



#8
Diethyl Ether
Concen: 0.028 ug/l
RT: 2.154 min Scan# 175
Delta R.T. 0.006 min
Lab File: VX046902.D
Acq: 07 Jul 2025 13:07

Tgt Ion: 74 Resp: 68
Ion Ratio Lower Upper
74 100
45 147.1 50.7 152.1

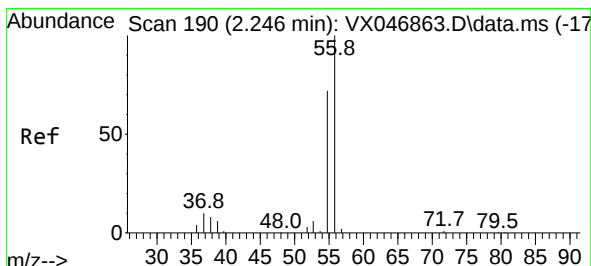
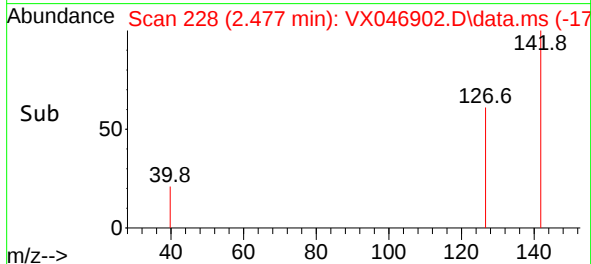
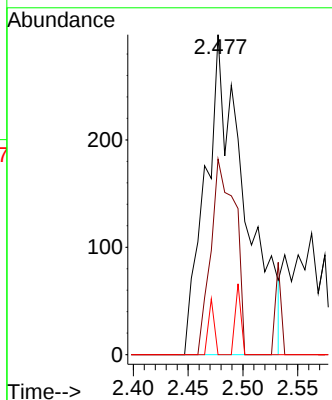
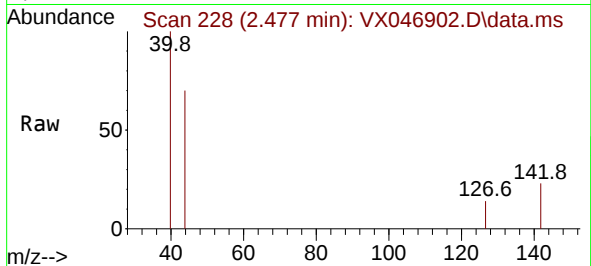




#10
Methyl Iodide
Concen: 0.157 ug/l
RT: 2.477 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX046902.D
Acq: 07 Jul 2025 13:07

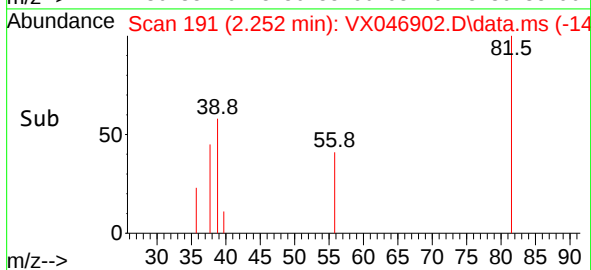
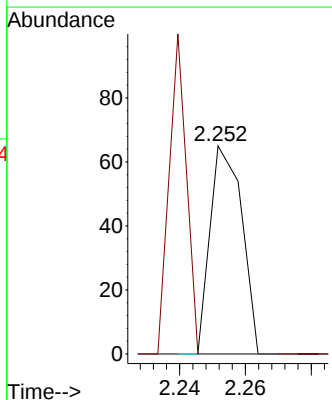
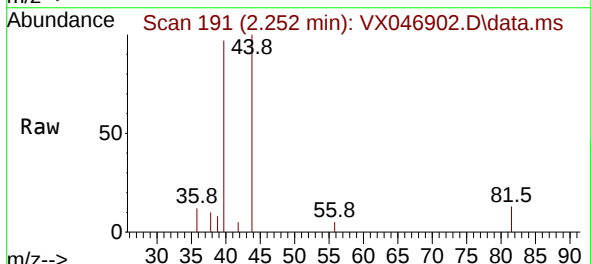
Instrument :
MSVOA_X
ClientSampleId :
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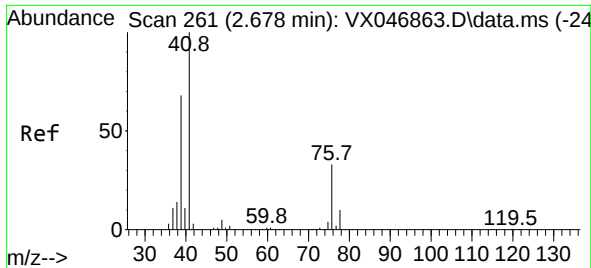
Tgt Ion:	142	Resp:	744
Ion	Ratio	Lower	Upper
142	100		
127	37.8	34.9	52.3
141	2.6	11.1	16.7#



#13
Acrolein
Concen: 0.110 ug/l
RT: 2.252 min Scan# 191
Delta R.T. 0.006 min
Lab File: VX046902.D
Acq: 07 Jul 2025 13:07

Tgt Ion:	56	Resp:	44
Ion	Ratio	Lower	Upper
56	100		
55	84.1	55.5	83.3#

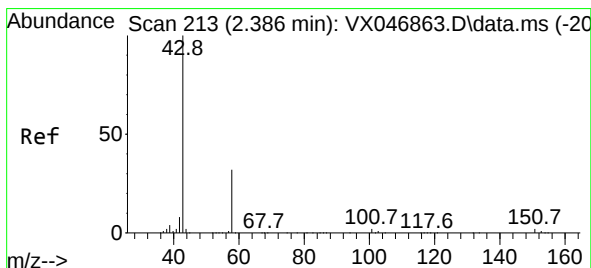
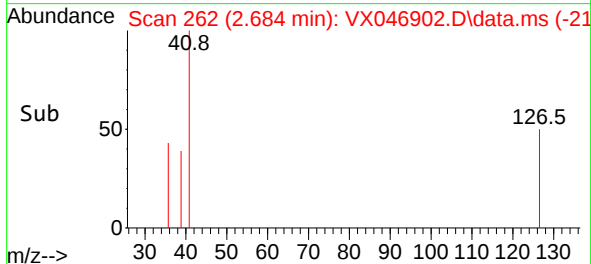
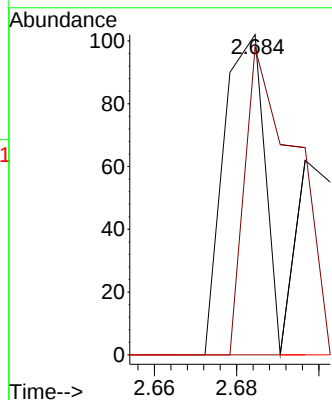
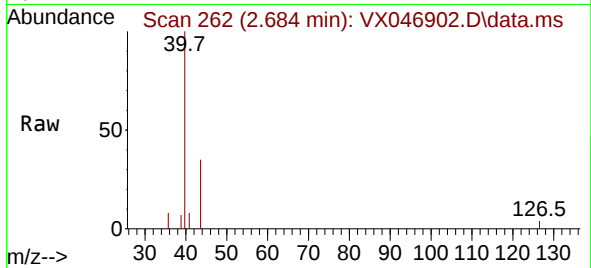




#14
 Allyl chloride
 Concen: 0.009 ug/l
 RT: 2.684 min Scan# 214
 Delta R.T. 0.006 min
 Lab File: VX046902.D
 Acq: 07 Jul 2025 13:07

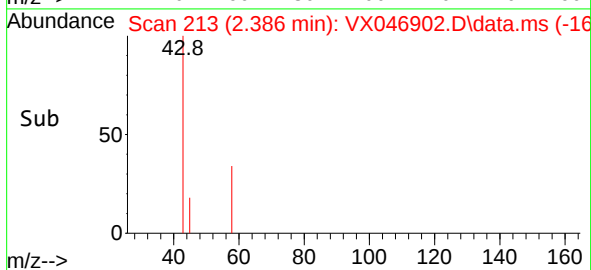
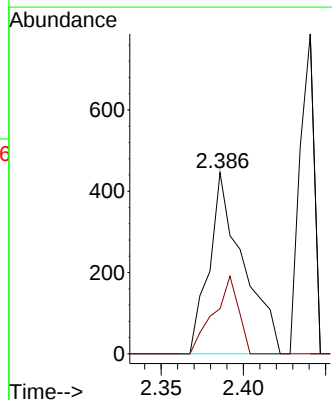
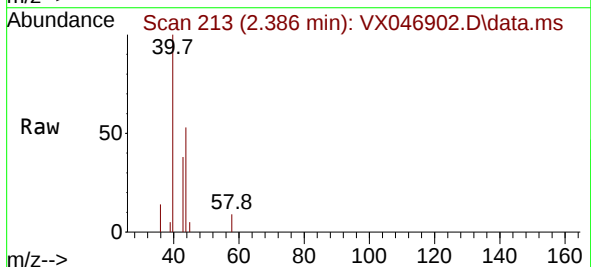
Instrument :
 MSVOA_X
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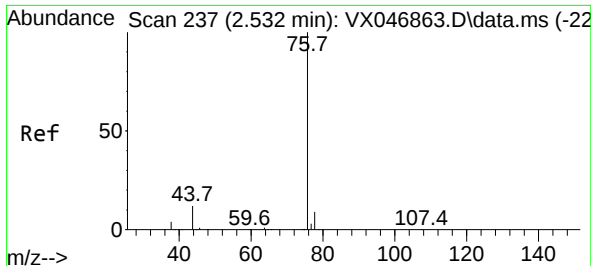
Tgt Ion: 41 Resp: 70
 Ion Ratio Lower Upper
 41 100
 39 120.0 52.0 78.0#
 76 0.0 26.2 39.2#



#16
 Acetone
 Concen: 0.403 ug/l
 RT: 2.386 min Scan# 213
 Delta R.T. 0.000 min
 Lab File: VX046902.D
 Acq: 07 Jul 2025 13:07

Tgt Ion: 43 Resp: 641
 Ion Ratio Lower Upper
 43 100
 58 26.7 25.8 38.6

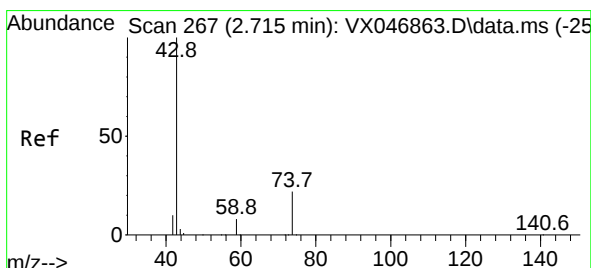
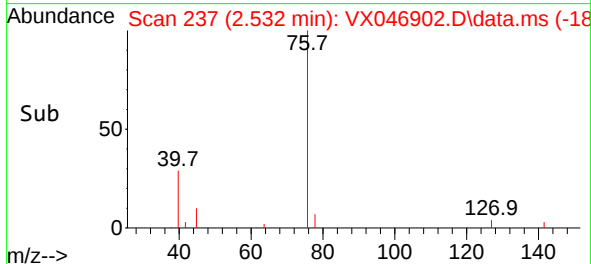
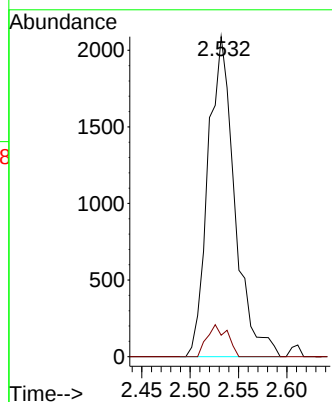
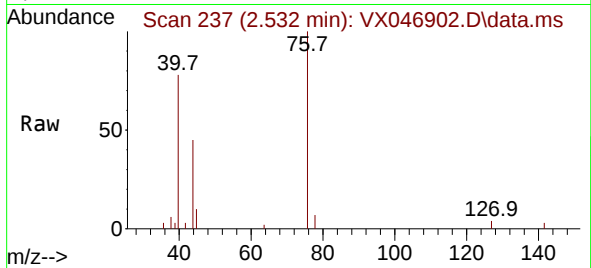




#17
Carbon Disulfide
Concen: 0.364 ug/l
RT: 2.532 min Scan# 21
Delta R.T. 0.000 min
Lab File: VX046902.D
Acq: 07 Jul 2025 13:07

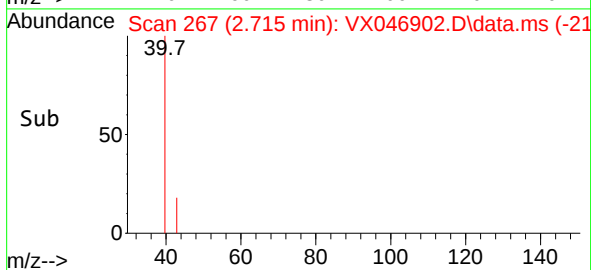
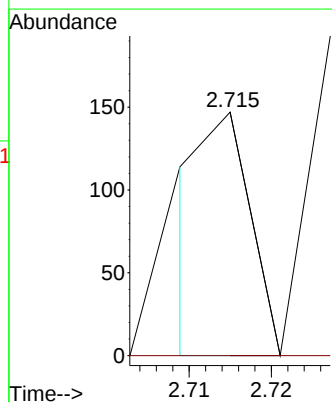
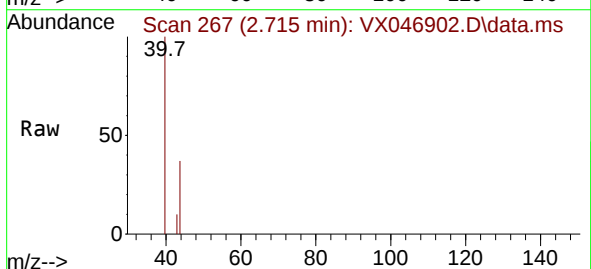
Instrument :
MSVOA_X
ClientSampleId :
IBLK

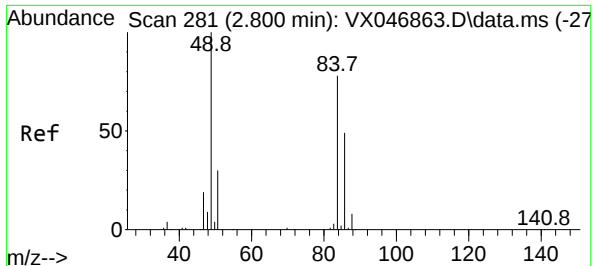
Tgt Ion: 76 Resp: 4007
Ion Ratio Lower Upper
76 100
78 6.7 7.4 11.2#



#18
Methyl Acetate
Concen: 0.013 ug/l
RT: 2.715 min Scan# 267
Delta R.T. -0.000 min
Lab File: VX046902.D
Acq: 07 Jul 2025 13:07

Tgt Ion: 43 Resp: 54
Ion Ratio Lower Upper
43 100
74 0.0 18.3 27.5#

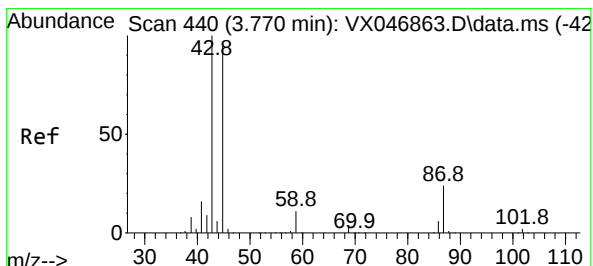
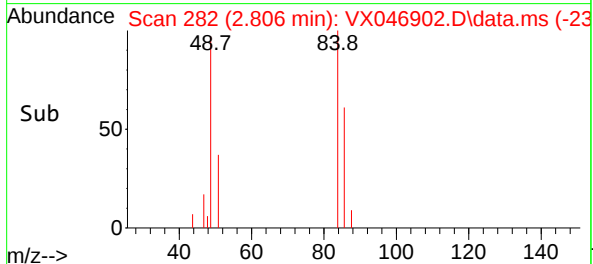
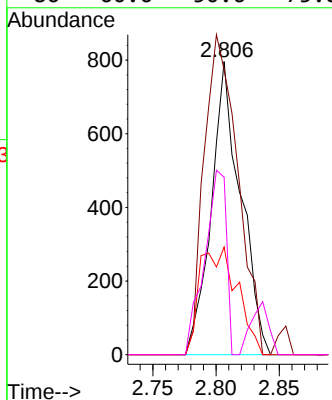
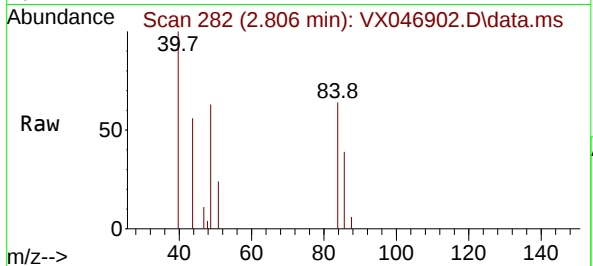




#20
Methylene Chloride
Concen: 0.274 ug/l
RT: 2.806 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX046902.D
Acq: 07 Jul 2025 13:07

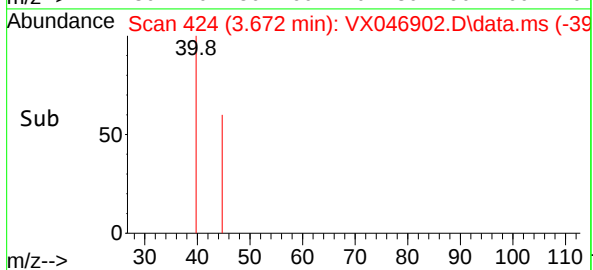
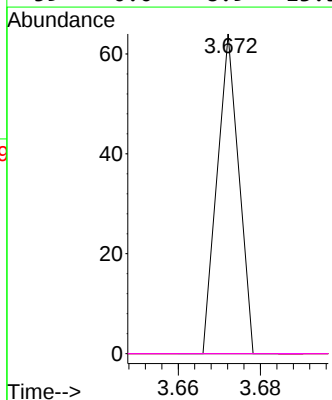
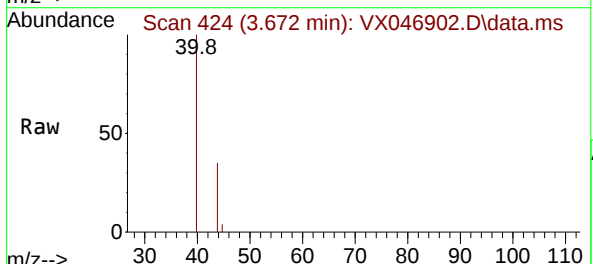
Instrument :
MSVOA_X
ClientSampleId :
IBLK

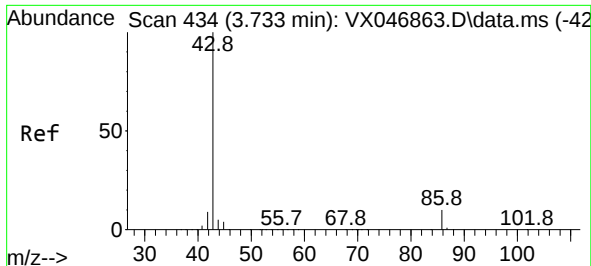
Tgt Ion:	84	Resp:	1286
Ion	Ratio	Lower	Upper
84	100		
49	97.2	102.8	154.2#
51	36.7	31.1	46.7
86	60.6	50.6	75.8



#22
Diisopropyl ether
Concen: 0.002 ug/l
RT: 3.672 min Scan# 424
Delta R.T. -0.098 min
Lab File: VX046902.D
Acq: 07 Jul 2025 13:07

Tgt Ion:	45	Resp:	23
Ion	Ratio	Lower	Upper
45	100		
43	0.0	84.2	126.4#
87	0.0	20.3	30.5#
59	0.0	8.9	13.3#

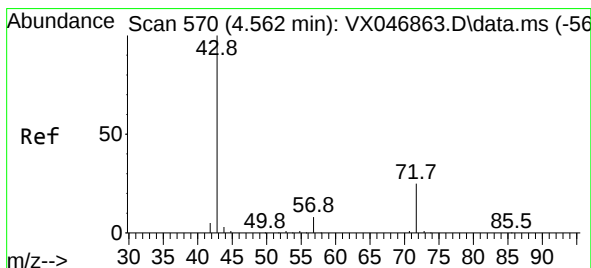
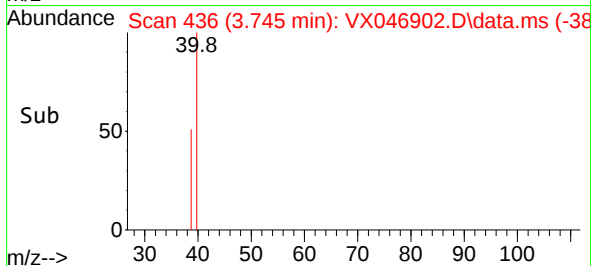
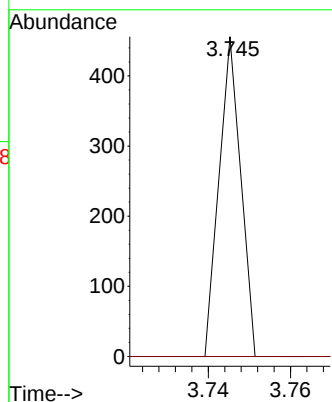
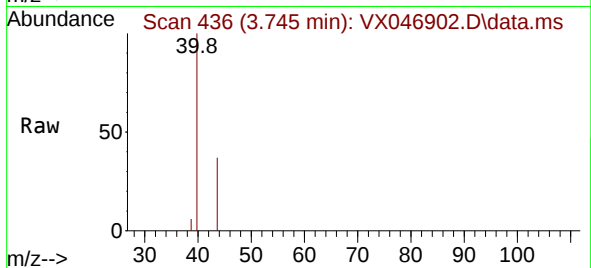




#23
 Vinyl Acetate
 Concen: 0.015 ug/l
 RT: 3.745 min Scan# 41
 Delta R.T. 0.012 min
 Lab File: VX046902.D
 Acq: 07 Jul 2025 13:07

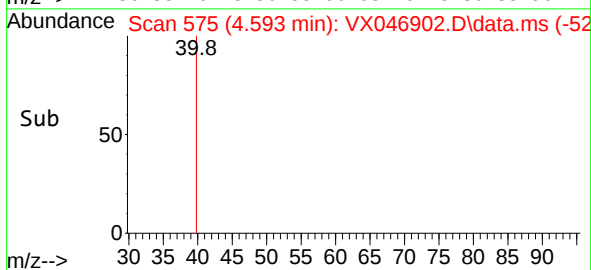
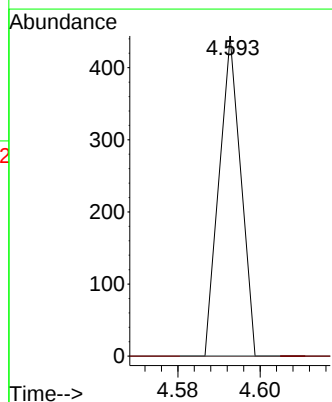
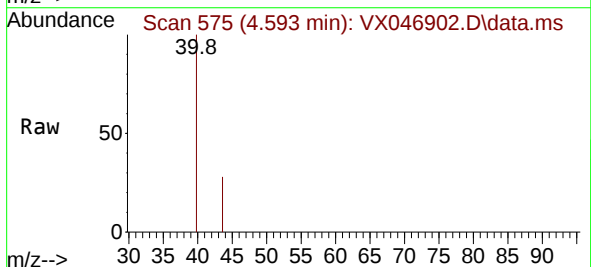
Instrument :
 MSVOA_X
 ClientSampleId :
 IBLK

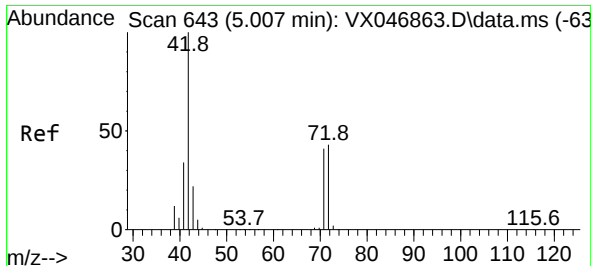
Tgt Ion: 43 Resp: 167
 Ion Ratio Lower Upper
 43 100
 86 0.0 8.2 12.4#



#25
 2-Butanone
 Concen: 0.076 ug/l
 RT: 4.593 min Scan# 575
 Delta R.T. 0.030 min
 Lab File: VX046902.D
 Acq: 07 Jul 2025 13:07

Tgt Ion: 43 Resp: 162
 Ion Ratio Lower Upper
 43 100
 72 0.0 20.0 30.0#





#29

Tetrahydrofuran

Concen: 0.047 ug/l

RT: 4.891 min Scan# 61

Delta R.T. -0.116 min

Lab File: VX046902.D

Acq: 07 Jul 2025 13:07

Instrument :

MSVOA_X

ClientSampleId :

IBLK

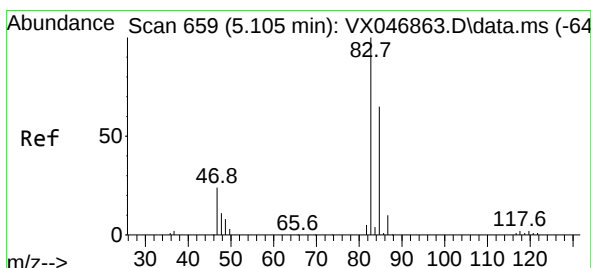
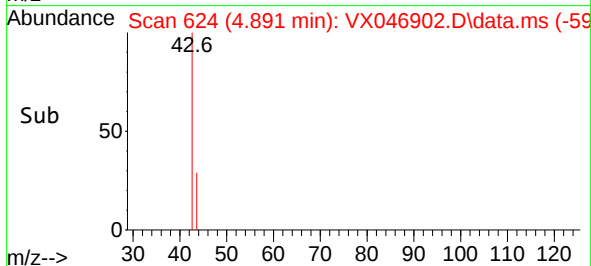
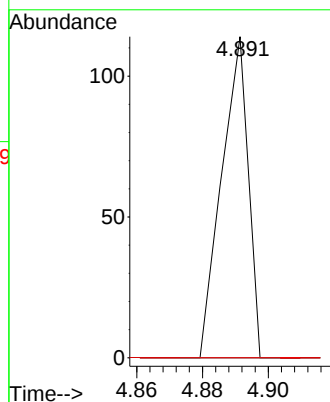
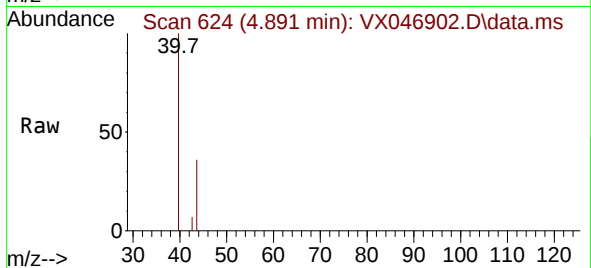
Tgt Ion: 42 Resp: 64

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: 5.123 min Scan# 662

Delta R.T. 0.018 min

Lab File: VX046902.D

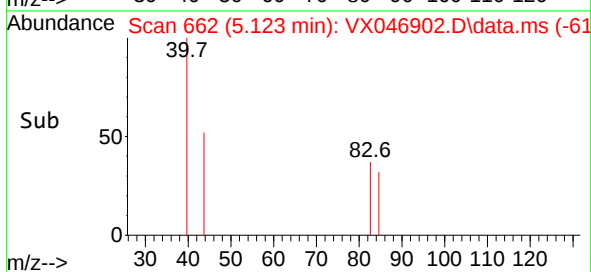
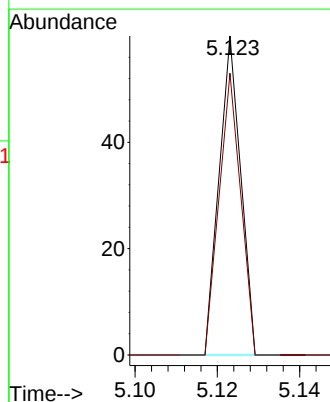
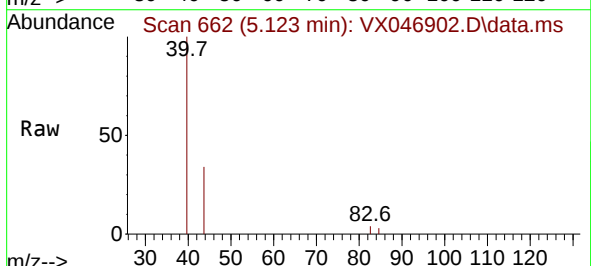
Acq: 07 Jul 2025 13:07

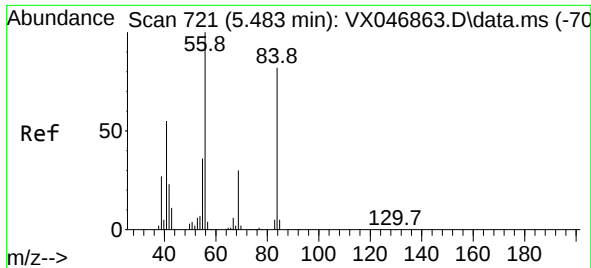
Tgt Ion: 83 Resp: 22

Ion Ratio Lower Upper

83 100

85 88.3 51.8 77.8#

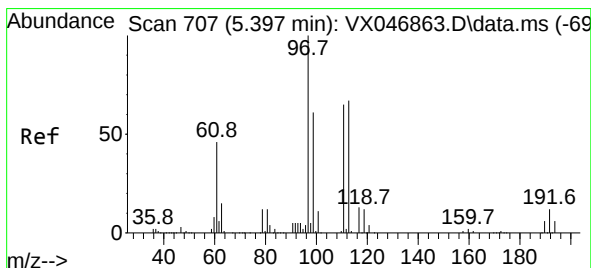
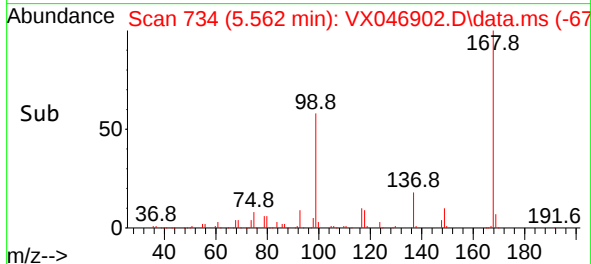
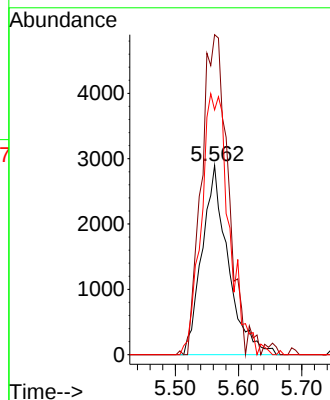
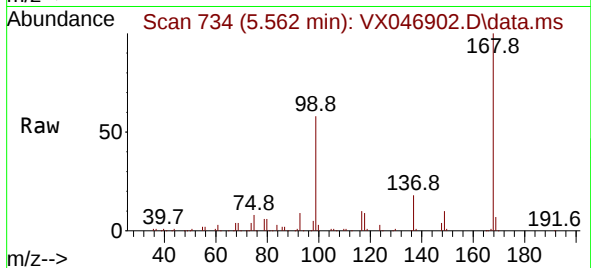




#31
Cyclohexane
Concen: 1.130 ug/l
RT: 5.562 min Scan# 71
Delta R.T. 0.079 min
Lab File: VX046902.D
Acq: 07 Jul 2025 13:07

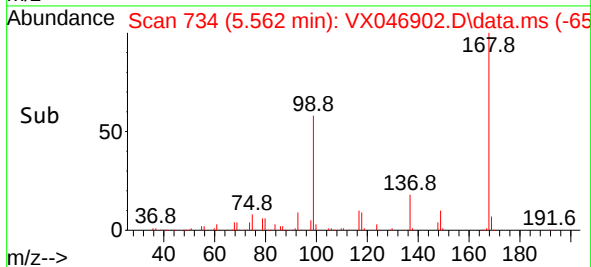
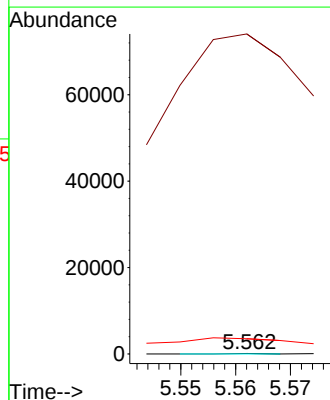
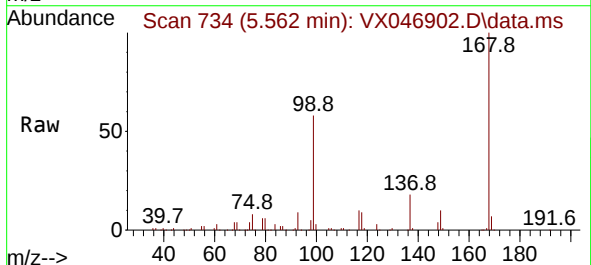
Instrument :
MSVOA_X
ClientSampleId :
IBLK

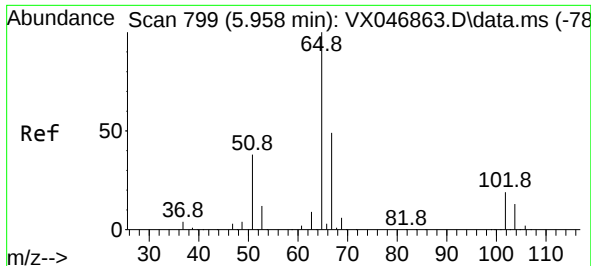
Tgt Ion: 56 Resp: 8266
Ion Ratio Lower Upper
56 100
69 169.1 24.0 36.0#
84 129.3 66.5 99.7#



#32
1,1,1-Trichloroethane
Concen: 0.005 ug/l
RT: 5.562 min Scan# 734
Delta R.T. 0.165 min
Lab File: VX046902.D
Acq: 07 Jul 2025 13:07

Tgt Ion: 97 Resp: 36
Ion Ratio Lower Upper
97 100
99 641594.4 50.6 76.0#
61 28850.0 36.3 54.5#





#33

1,2-Dichloroethane-d4

Concen: 51.197 ug/l

RT: 5.964 min Scan# 800

Delta R.T. 0.006 min

Lab File: VX046902.D

Acq: 07 Jul 2025 13:07

Instrument :

MSVOA_X

ClientSampleId :

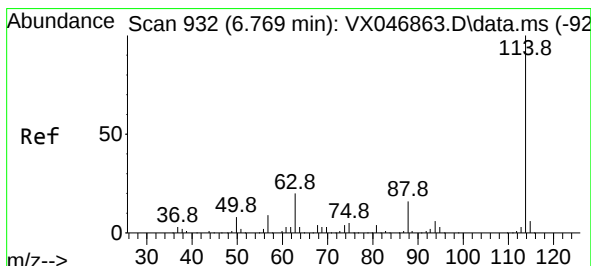
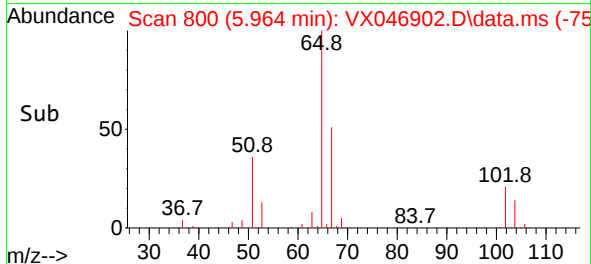
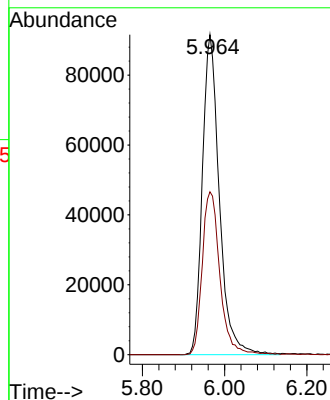
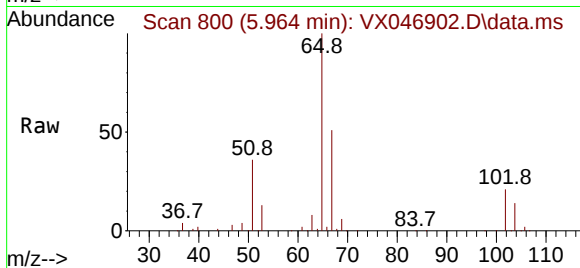
IBLK

Tgt Ion: 65 Resp: 261983

Ion Ratio Lower Upper

65 100

67 53.0 0.0 105.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.769 min Scan# 932

Delta R.T. 0.000 min

Lab File: VX046902.D

Acq: 07 Jul 2025 13:07

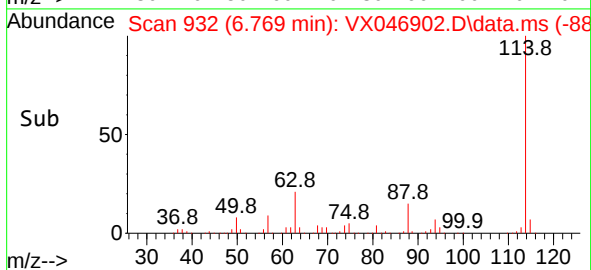
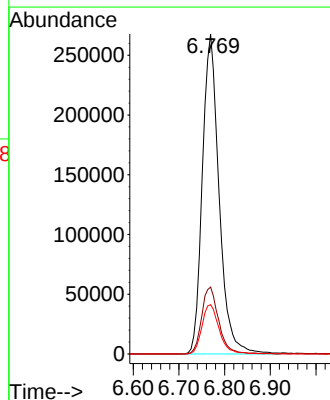
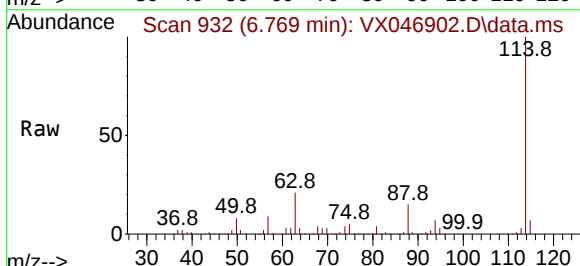
Tgt Ion: 114 Resp: 679390

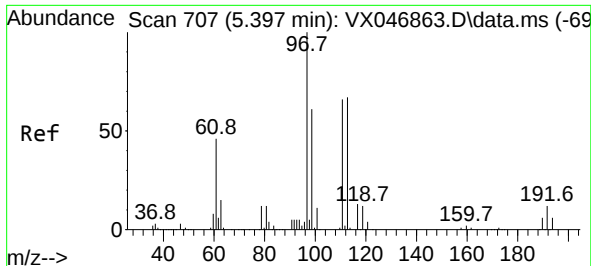
Ion Ratio Lower Upper

114 100

63 20.9 0.0 40.4

88 15.4 0.0 31.0





#35

Dibromofluoromethane

Concen: 48.289 ug/l

RT: 5.397 min Scan# 707

Delta R.T. 0.000 min

Lab File: VX046902.D

Acq: 07 Jul 2025 13:07

Instrument :

MSVOA_X

ClientSampleId :

IBLK

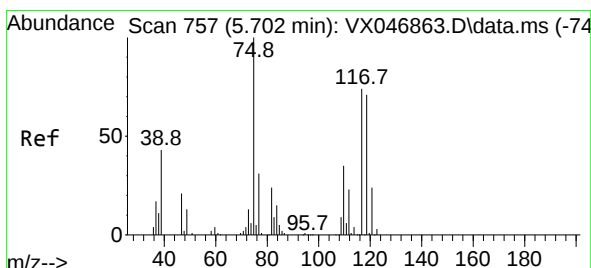
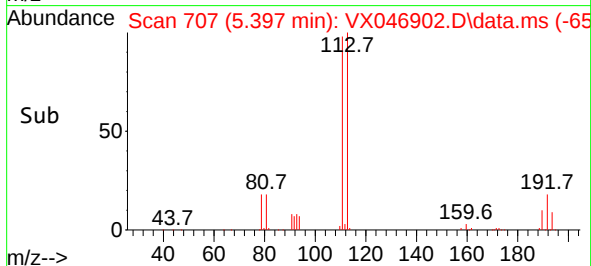
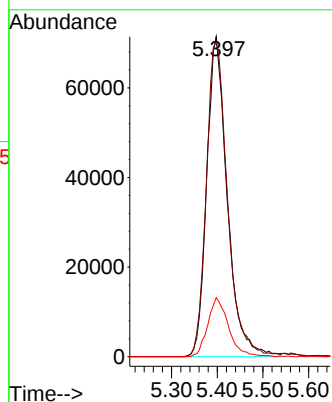
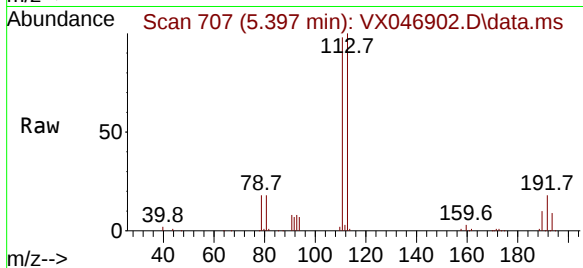
Tgt Ion:113 Resp: 222695

Ion Ratio Lower Upper

113 100

111 102.1 81.2 121.8

192 18.7 15.3 22.9



#36

1,1-Dichloropropene

Concen: 4.923 ug/l

RT: 5.562 min Scan# 734

Delta R.T. -0.140 min

Lab File: VX046902.D

Acq: 07 Jul 2025 13:07

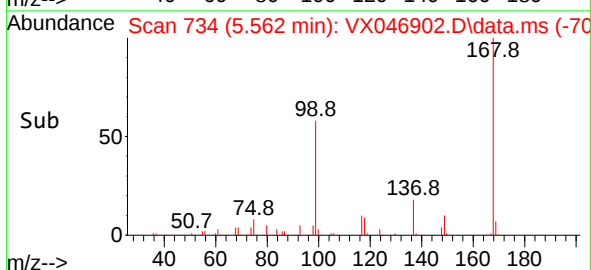
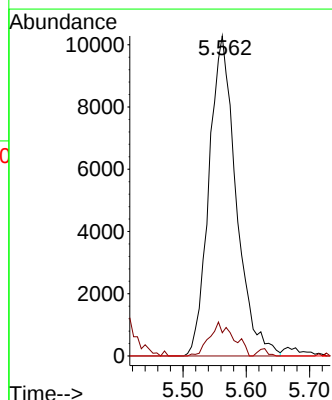
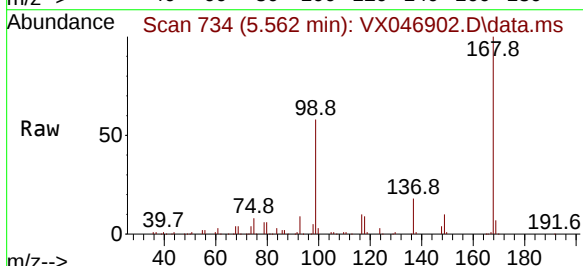
Tgt Ion: 75 Resp: 30631

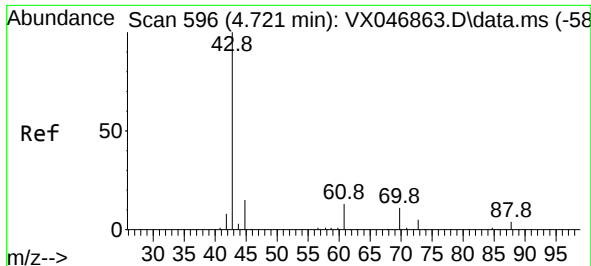
Ion Ratio Lower Upper

75 100

110 9.3 17.3 51.9#

77 0.0 24.2 36.4#





#37

Ethyl Acetate

Concen: 0.037 ug/l

RT: 4.763 min Scan# 603

Delta R.T. 0.043 min

Lab File: VX046902.D

Acq: 07 Jul 2025 13:07

Instrument :

MSVOA_X

ClientSampleId :

IBLK

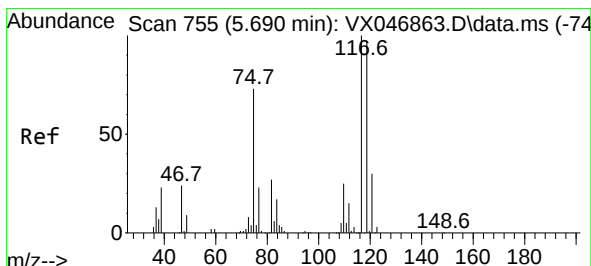
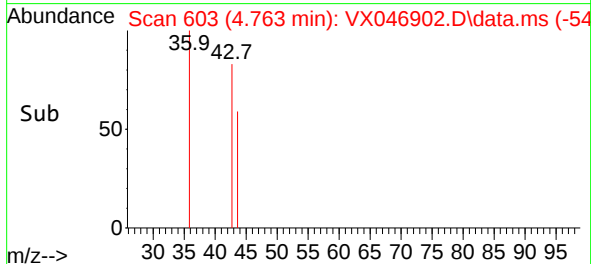
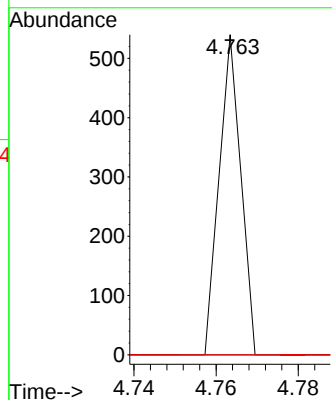
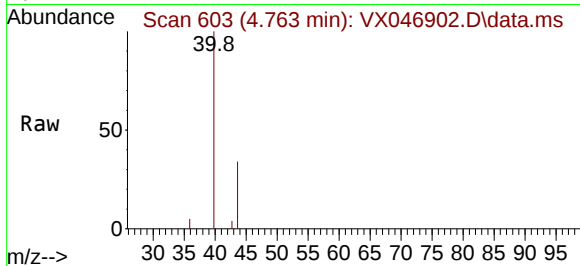
Tgt Ion: 43 Resp: 198

Ion Ratio Lower Upper

43 100

61 0.0 9.7 14.5#

70 0.0 8.3 12.5#



#38

Carbon Tetrachloride

Concen: 5.937 ug/l

RT: 5.562 min Scan# 734

Delta R.T. -0.128 min

Lab File: VX046902.D

Acq: 07 Jul 2025 13:07

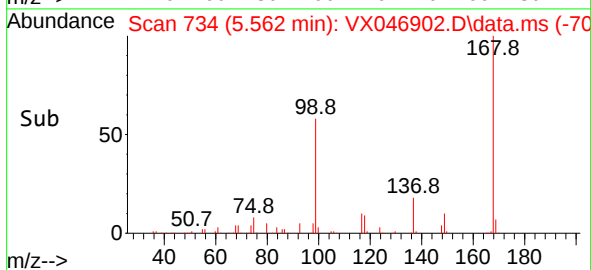
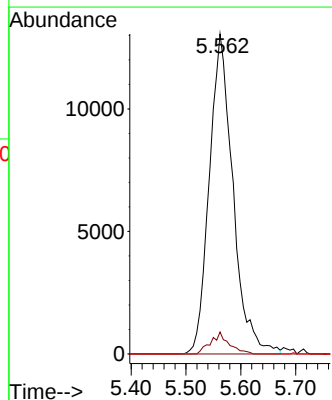
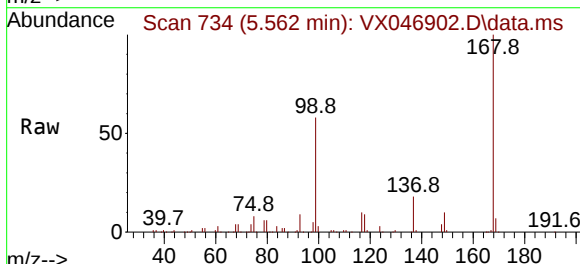
Tgt Ion: 117 Resp: 39054

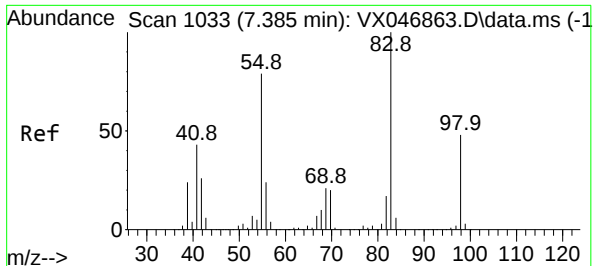
Ion Ratio Lower Upper

117 100

119 6.8 76.6 114.8#

121 0.0 24.1 36.1#





#39

Methylcyclohexane

Concen: 0.007 ug/l

RT: 7.385 min Scan# 1

Delta R.T. 0.000 min

Lab File: VX046902.D

Acq: 07 Jul 2025 13:07

Instrument :

MSVOA_X

ClientSampleId :

IBLK

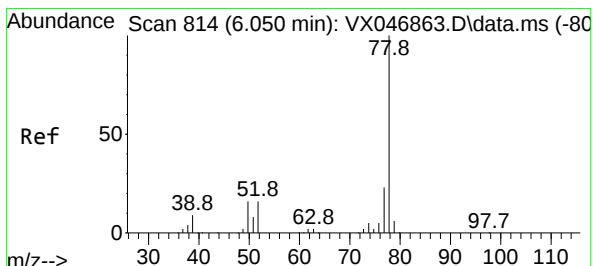
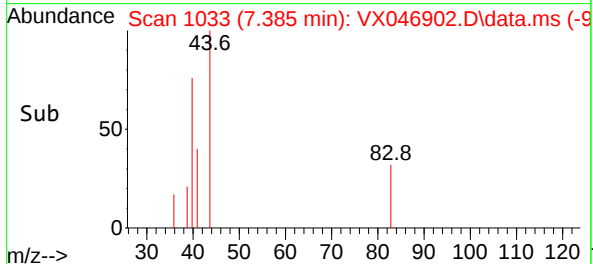
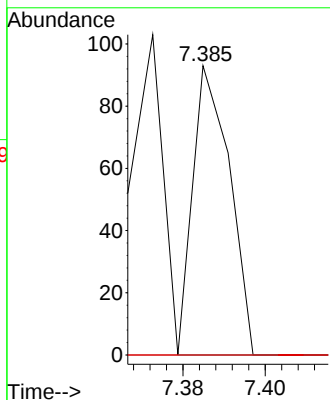
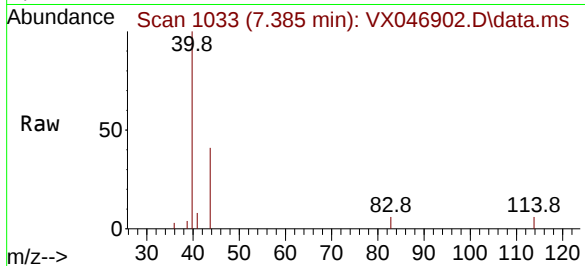
Tgt Ion: 83 Resp: 58

Ion Ratio Lower Upper

83 100

55 0.0 63.0 94.4#

98 0.0 38.5 57.7#



#40

Benzene

Concen: 0.001 ug/l

RT: 6.050 min Scan# 814

Delta R.T. -0.000 min

Lab File: VX046902.D

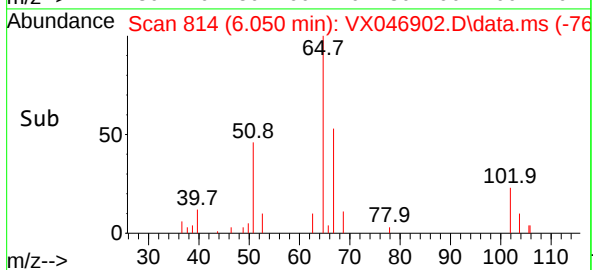
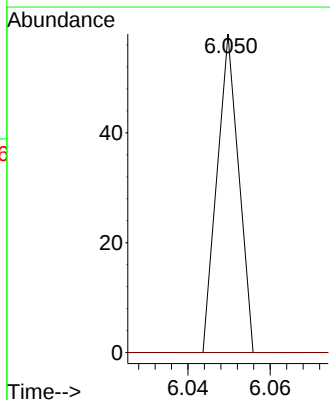
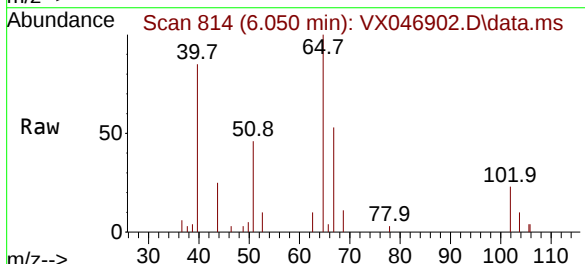
Acq: 07 Jul 2025 13:07

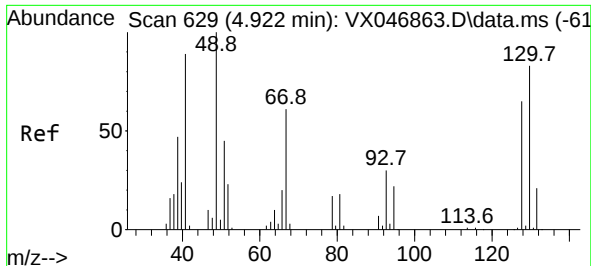
Tgt Ion: 78 Resp: 21

Ion Ratio Lower Upper

78 100

77 0.0 18.7 28.1#

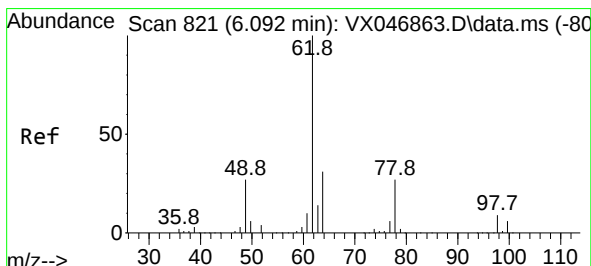
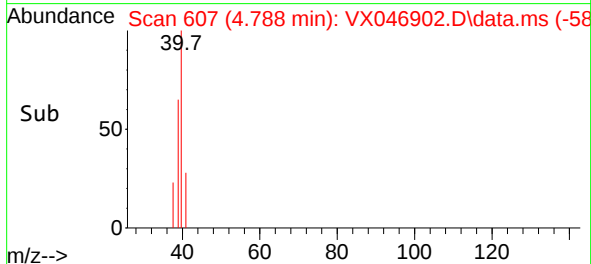
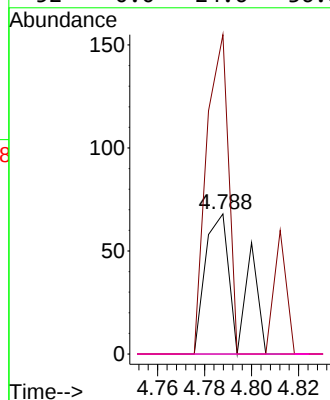
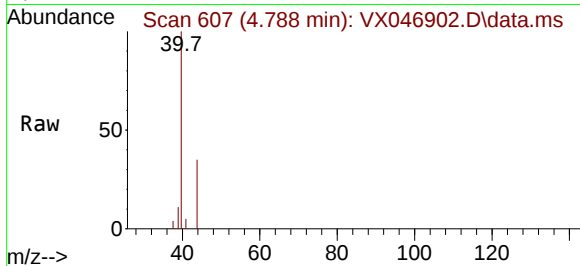




#41
Methacrylonitrile
Concen: 0.023 ug/l
RT: 4.788 min Scan# 607
Delta R.T. -0.134 min
Lab File: VX046902.D
Acq: 07 Jul 2025 13:07

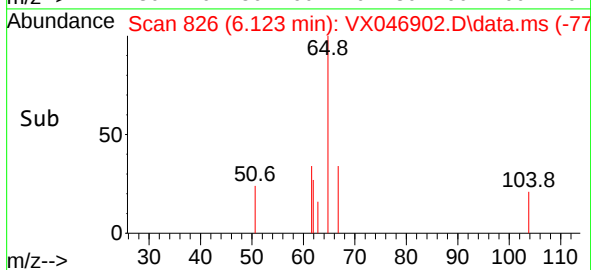
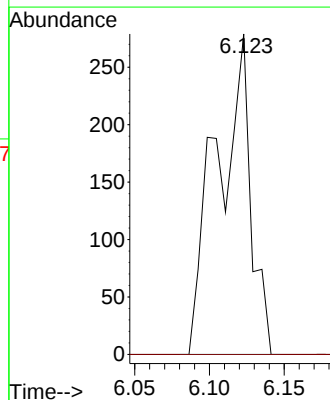
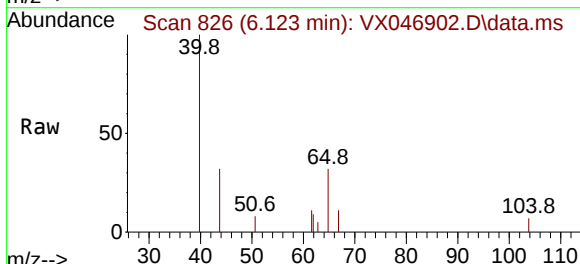
Instrument :
MSVOA_X
ClientSampleId :
IBLK

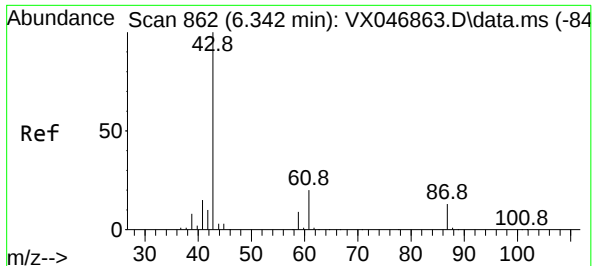
Tgt Ion:	41	Resp:	66
Ion	Ratio	Lower	Upper
41	100		
39	151.5	43.0	64.4#
67	0.0	60.2	90.2#
52	0.0	24.6	36.8#



#42
1,2-Dichloroethane
Concen: 0.069 ug/l
RT: 6.123 min Scan# 826
Delta R.T. 0.030 min
Lab File: VX046902.D
Acq: 07 Jul 2025 13:07

Tgt Ion:	62	Resp:	438
Ion	Ratio	Lower	Upper
62	100		
98	0.0	0.0	19.4

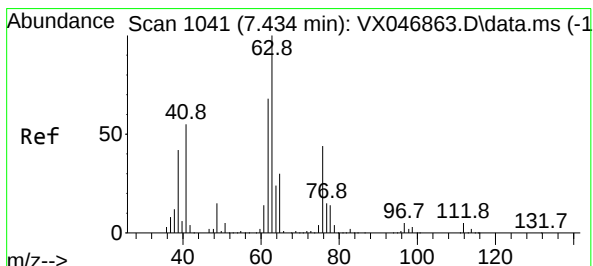
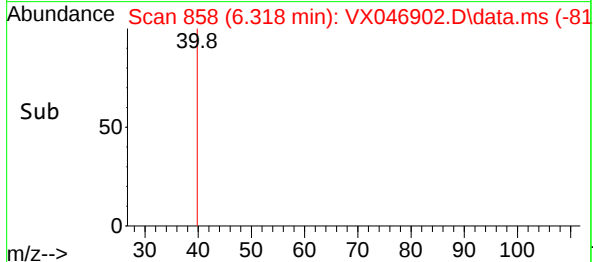
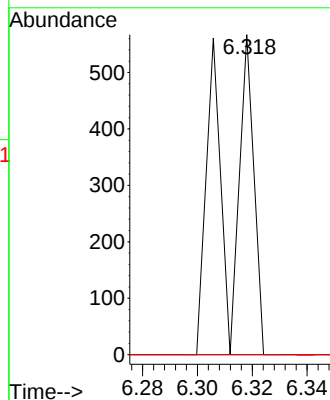
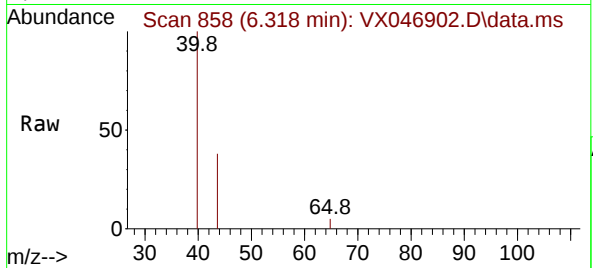




#43
Isopropyl Acetate
Concen: 0.051 ug/l
RT: 6.318 min Scan# 81
Delta R.T. -0.024 min
Lab File: VX046902.D
Acq: 07 Jul 2025 13:07

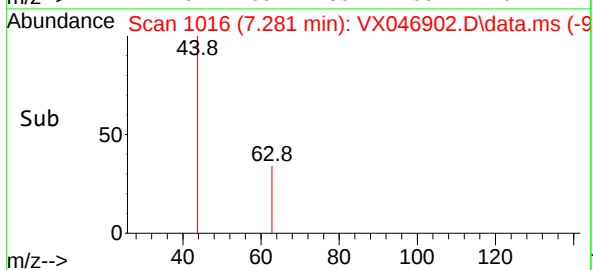
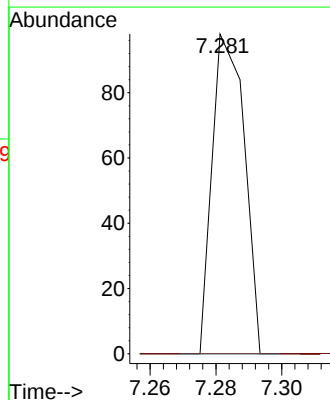
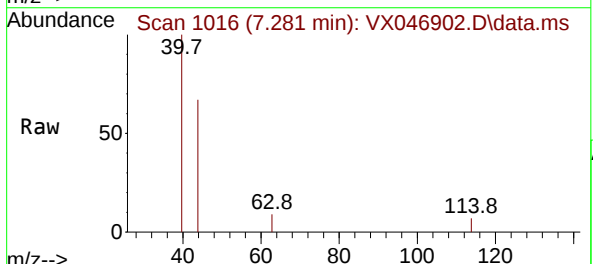
Instrument :
MSVOA_X
ClientSampleId :
IBLK

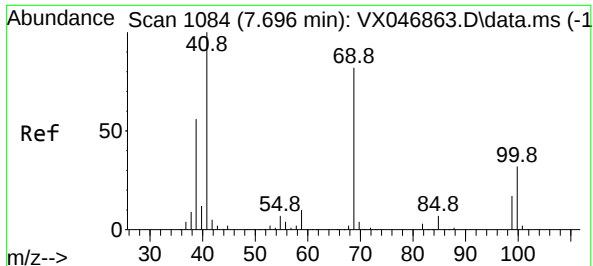
Tgt Ion: 43 Resp: 412
Ion Ratio Lower Upper
43 100
61 0.0 15.7 23.5#
87 0.0 10.1 15.1#



#45
1,2-Dichloropropane
Concen: 0.014 ug/l
RT: 7.281 min Scan# 1016
Delta R.T. -0.152 min
Lab File: VX046902.D
Acq: 07 Jul 2025 13:07

Tgt Ion: 63 Resp: 67
Ion Ratio Lower Upper
63 100
65 0.0 24.2 36.2#





#48

Methyl methacrylate

Concen: 0.005 ug/l

RT: 7.830 min Scan# 1106

Delta R.T. 0.134 min

Lab File: VX046902.D

Acq: 07 Jul 2025 13:07

Instrument :

MSVOA_X

ClientSampleId :

IBLK

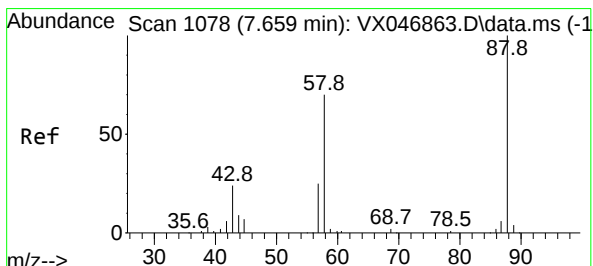
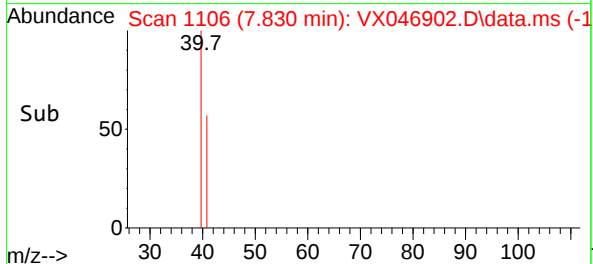
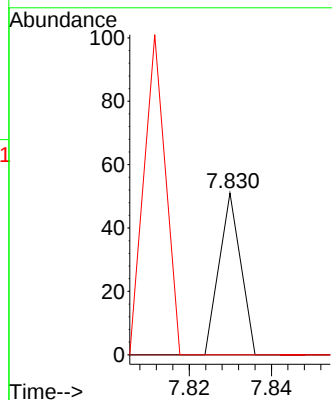
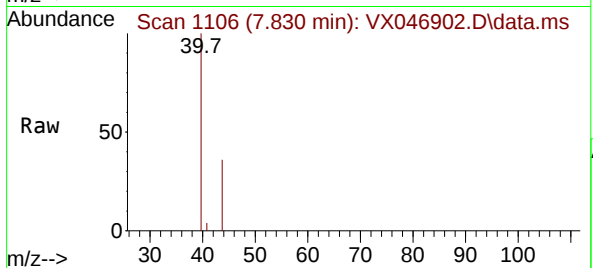
Tgt Ion: 41 Resp: 19

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: 0.618 ug/l

RT: 7.562 min Scan# 1062

Delta R.T. -0.098 min

Lab File: VX046902.D

Acq: 07 Jul 2025 13:07

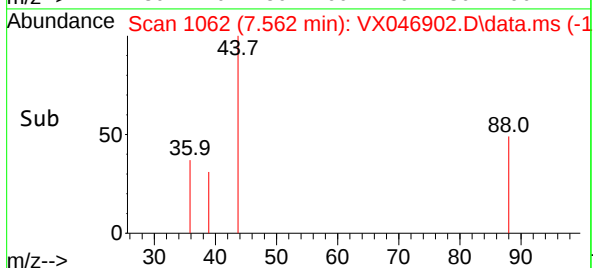
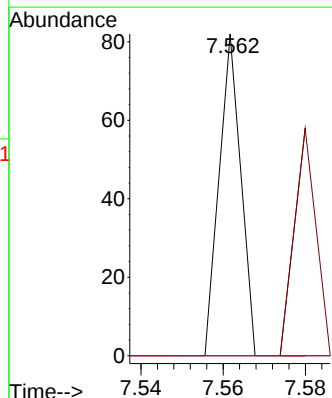
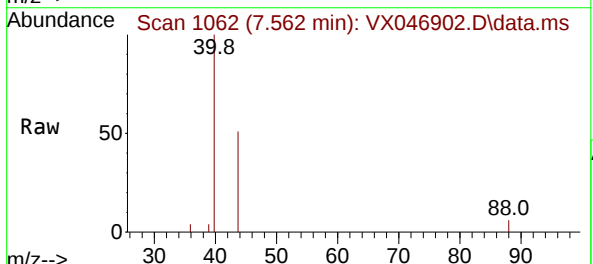
Tgt Ion: 88 Resp: 30

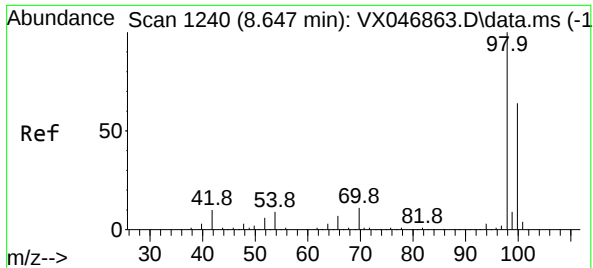
Ion Ratio Lower Upper

88 100

43 70.0 31.7 47.5#

58 0.0 57.5 86.3#

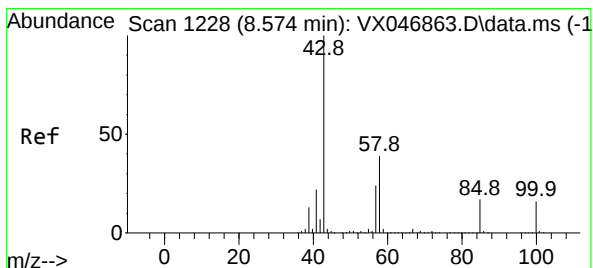
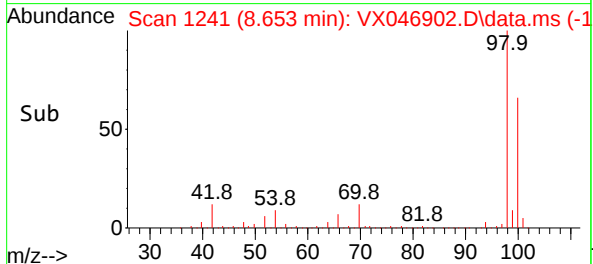
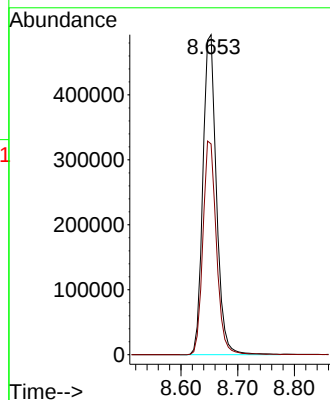
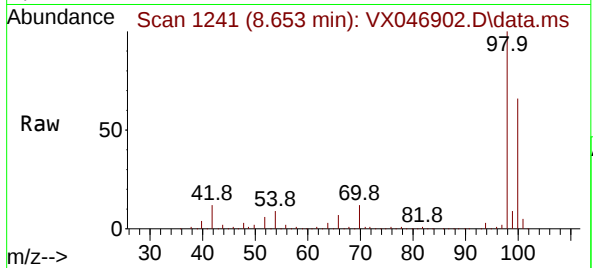




#50
Toluene-d8
Concen: 50.026 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. 0.006 min
Lab File: VX046902.D
Acq: 07 Jul 2025 13:07

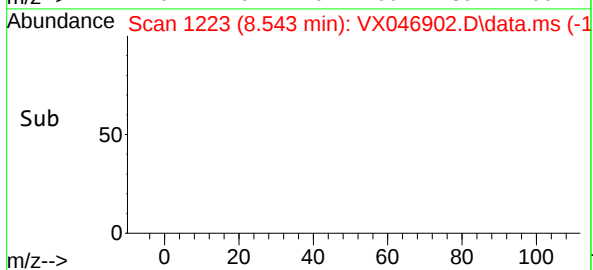
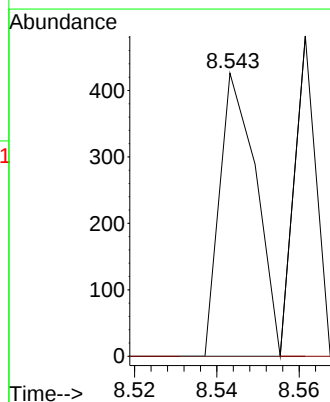
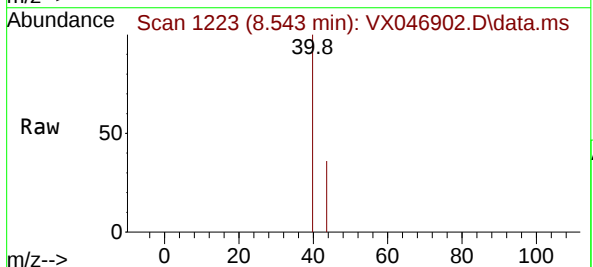
Instrument :
MSVOA_X
ClientSampleId :
IBLK

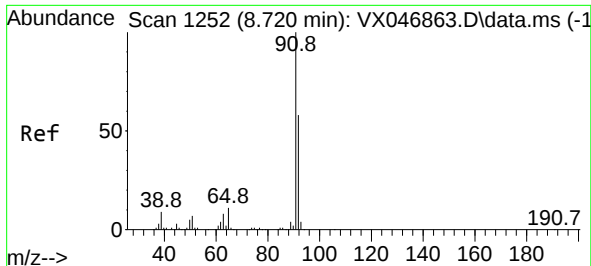
Tgt Ion: 98 Resp: 813973
Ion Ratio Lower Upper
98 100
100 66.8 53.0 79.6



#51
4-Methyl-2-Pentanone
Concen: 0.055 ug/l
RT: 8.543 min Scan# 1223
Delta R.T. -0.030 min
Lab File: VX046902.D
Acq: 07 Jul 2025 13:07

Tgt Ion: 43 Resp: 262
Ion Ratio Lower Upper
43 100
58 0.0 30.4 45.6#

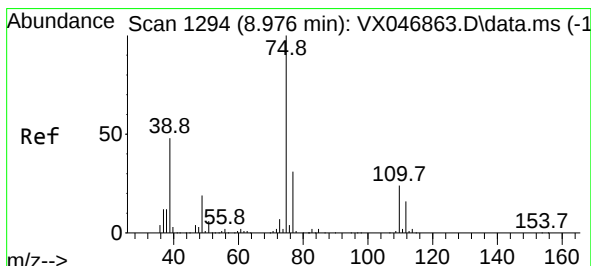
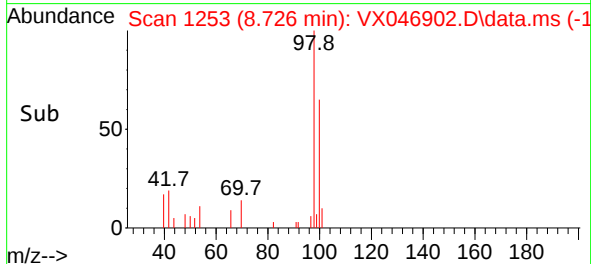
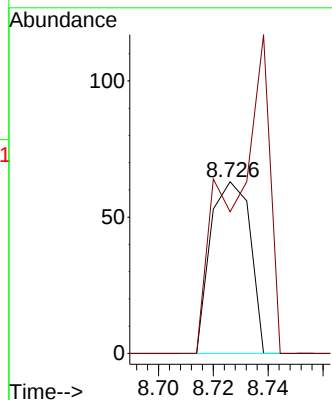
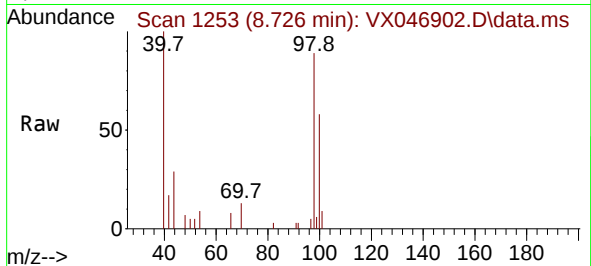




#52
Toluene
Concen: 0.005 ug/l
RT: 8.726 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX046902.D
Acq: 07 Jul 2025 13:07

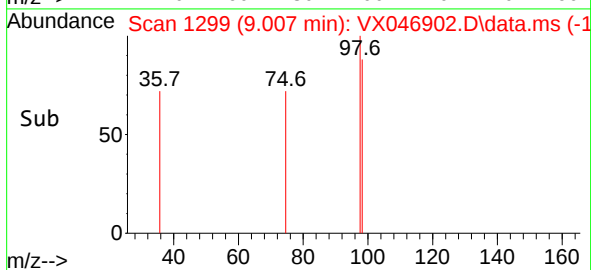
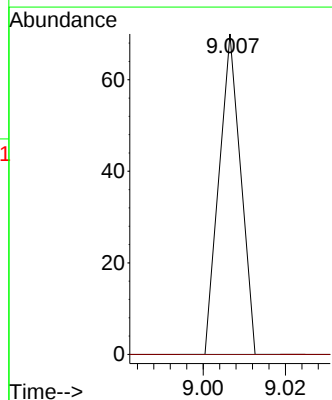
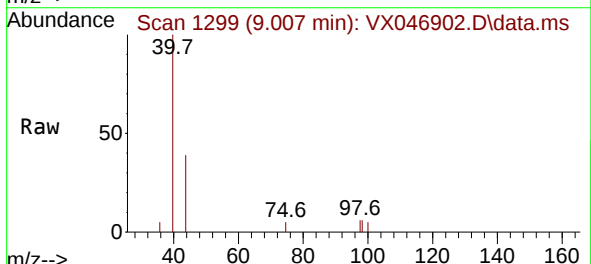
Instrument :
MSVOA_X
ClientSampleId :
IBLK

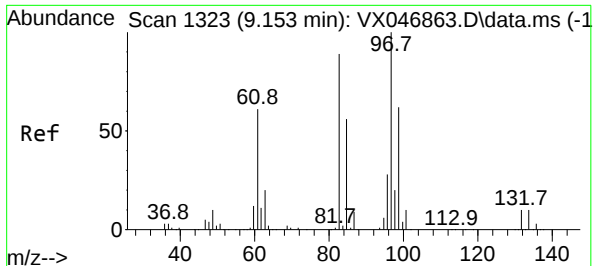
Tgt Ion: 92 Resp: 63
Ion Ratio Lower Upper
92 100
91 171.4 137.9 206.9



#53
t-1,3-Dichloropropene
Concen: 0.004 ug/l
RT: 9.007 min Scan# 1299
Delta R.T. 0.030 min
Lab File: VX046902.D
Acq: 07 Jul 2025 13:07

Tgt Ion: 75 Resp: 26
Ion Ratio Lower Upper
75 100
77 0.0 25.0 37.6#





#55

1,1,2-Trichloroethane

Concen: 0.013 ug/l

RT: 8.897 min Scan# 1

Delta R.T. -0.256 min

Lab File: VX046902.D

Acq: 07 Jul 2025 13:07

Instrument :

MSVOA_X

ClientSampleId :

IBLK

Tgt Ion: 97 Resp: 55

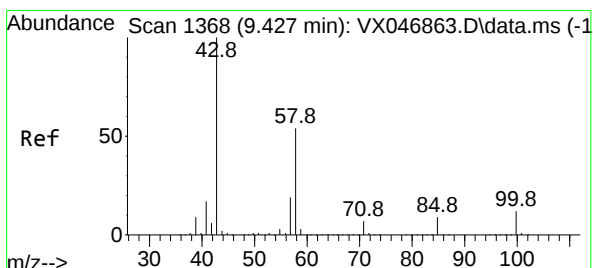
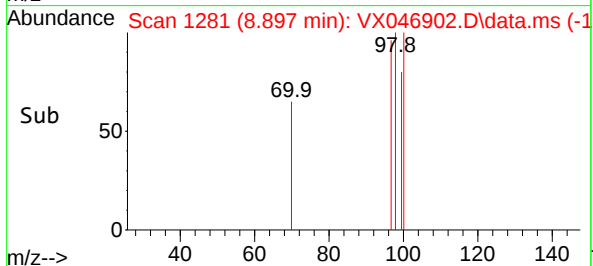
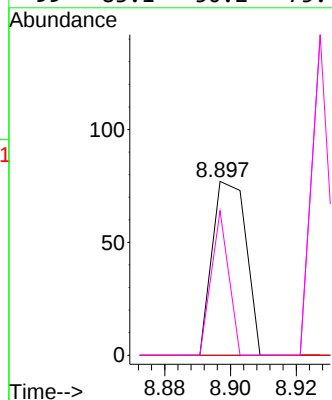
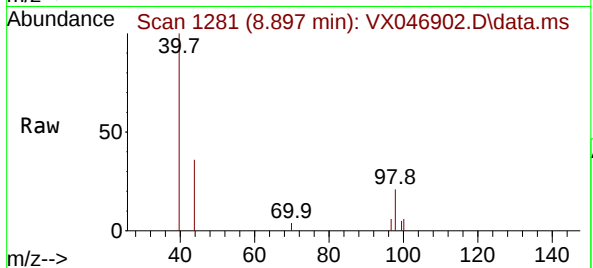
Ion Ratio Lower Upper

97 100

83 0.0 70.9 106.3#

85 0.0 44.6 67.0#

99 83.1 50.2 75.4#



#59

2-Hexanone

Concen: 0.006 ug/l

RT: 9.433 min Scan# 1369

Delta R.T. 0.006 min

Lab File: VX046902.D

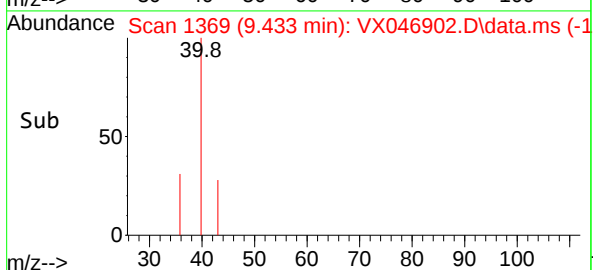
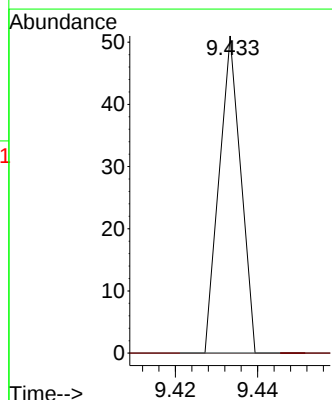
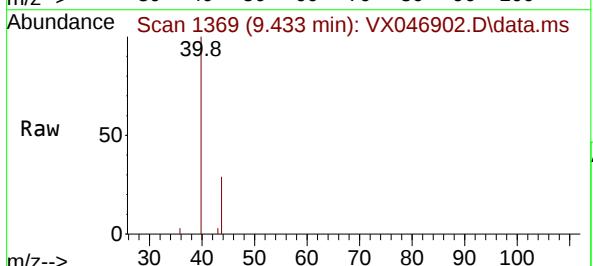
Acq: 07 Jul 2025 13:07

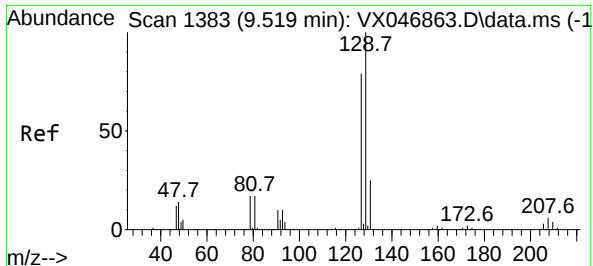
Tgt Ion: 43 Resp: 19

Ion Ratio Lower Upper

43 100

58 0.0 27.1 81.3#

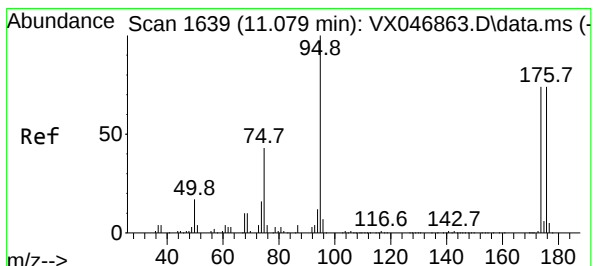
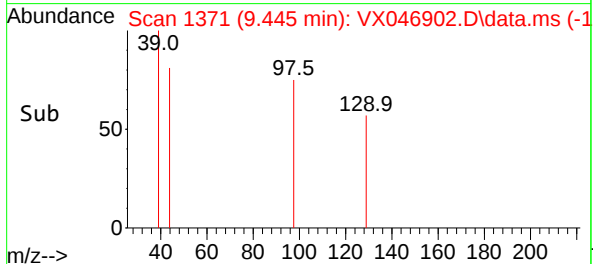
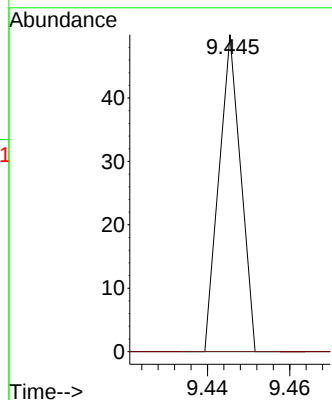
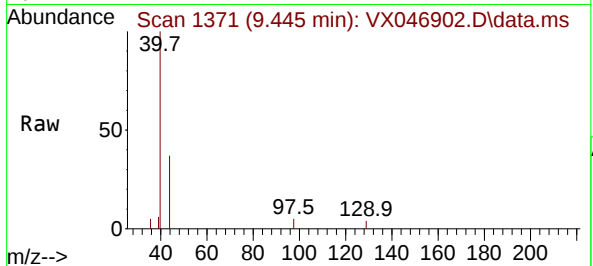




#60
Dibromochloromethane
Concen: 0.003 ug/l
RT: 9.445 min Scan# 11
Delta R.T. -0.073 min
Lab File: VX046902.D
Acq: 07 Jul 2025 13:07

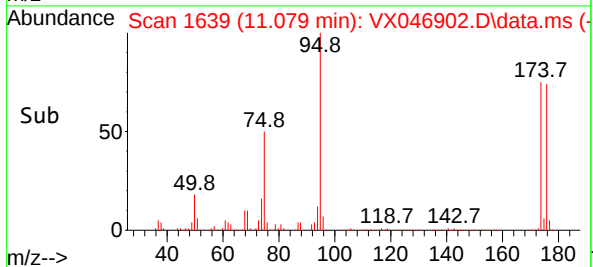
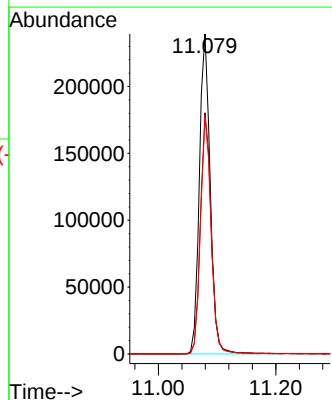
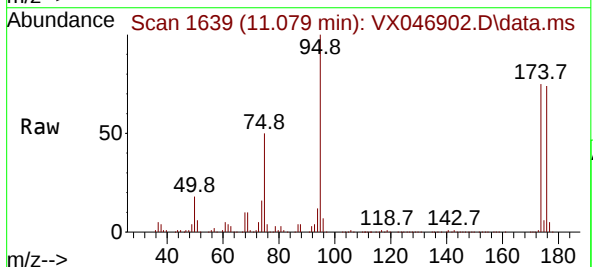
Instrument :
MSVOA_X
ClientSampleId :
IBLK

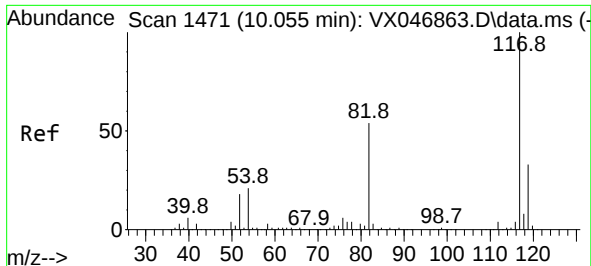
Tgt Ion:129 Resp: 18
Ion Ratio Lower Upper
129 100
127 0.0 39.1 117.5#



#62
4-Bromofluorobenzene
Concen: 49.527 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX046902.D
Acq: 07 Jul 2025 13:07

Tgt Ion: 95 Resp: 306274
Ion Ratio Lower Upper
95 100
174 74.7 0.0 152.0
176 72.6 0.0 145.2

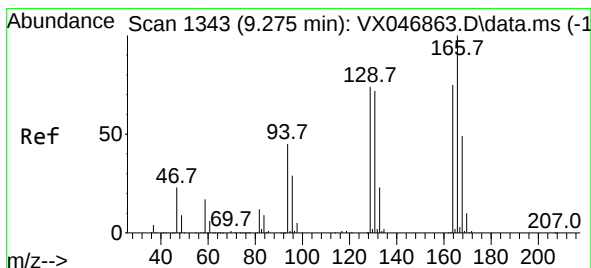
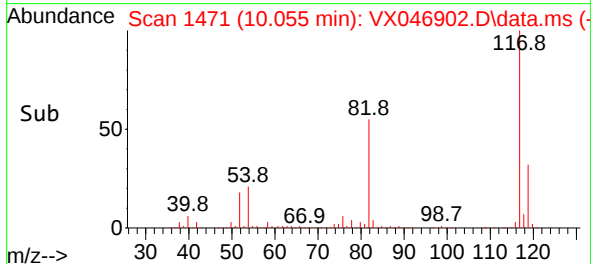
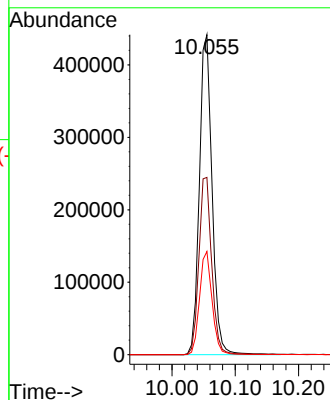
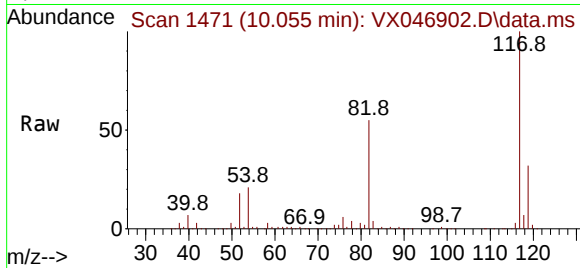




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX046902.D
Acq: 07 Jul 2025 13:07

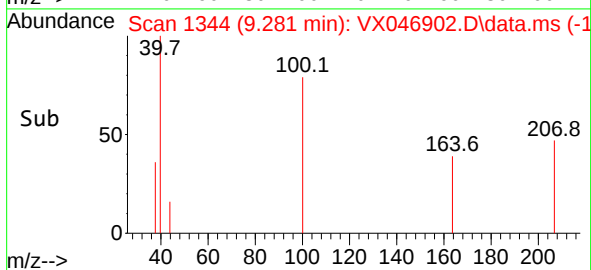
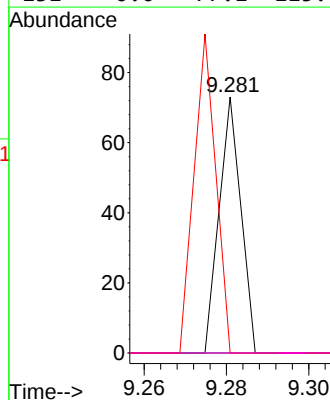
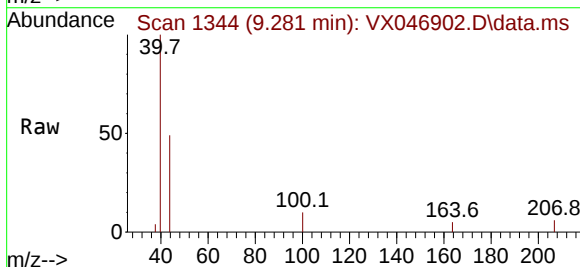
Instrument :
MSVOA_X
ClientSampleId :
IBLK

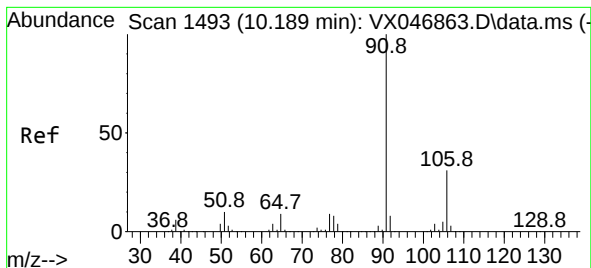
Tgt Ion:117 Resp: 616906
Ion Ratio Lower Upper
117 100
82 55.4 43.3 64.9
119 32.3 26.4 39.6



#64
Tetrachloroethene
Concen: 0.007 ug/l
RT: 9.281 min Scan# 1344
Delta R.T. 0.006 min
Lab File: VX046902.D
Acq: 07 Jul 2025 13:07

Tgt Ion:164 Resp: 27
Ion Ratio Lower Upper
164 100
166 0.0 107.0 160.6#
129 0.0 79.7 119.5#
131 0.0 77.1 115.7#





#67

Ethyl Benzene

Concen: 0.005 ug/l

RT: 10.201 min Scan# 1495

Delta R.T. 0.012 min

Lab File: VX046902.D

Acq: 07 Jul 2025 13:07

Instrument :

MSVOA_X

ClientSampleId :

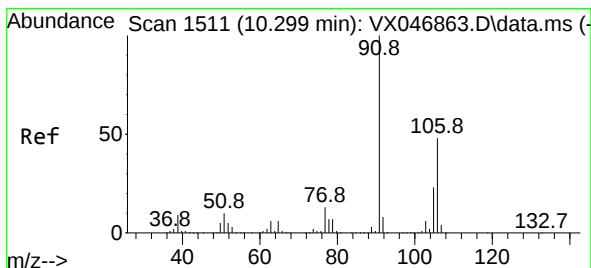
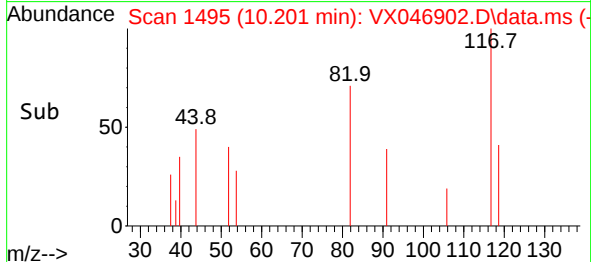
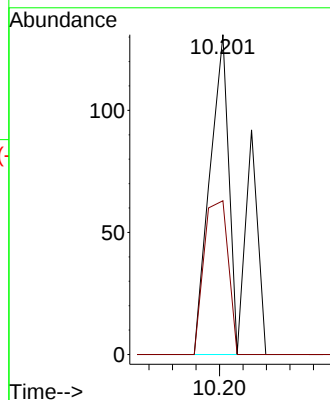
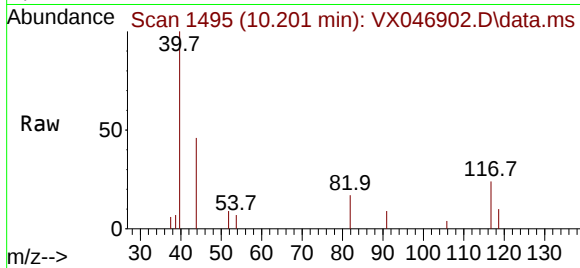
IBLK

Tgt Ion: 91 Resp: 107

Ion Ratio Lower Upper

91 100

106 48.1 24.4 36.6#



#68

m/p-Xylenes

Concen: 0.005 ug/l

RT: 10.201 min Scan# 1495

Delta R.T. -0.098 min

Lab File: VX046902.D

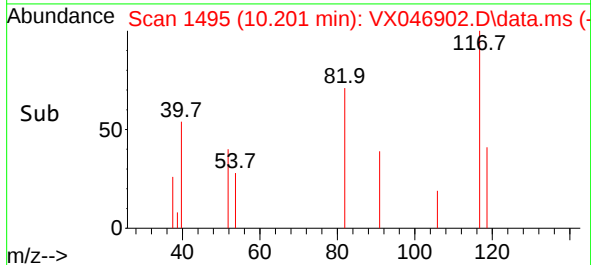
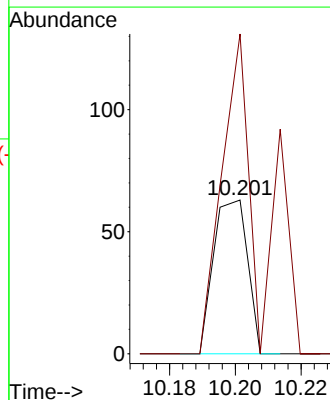
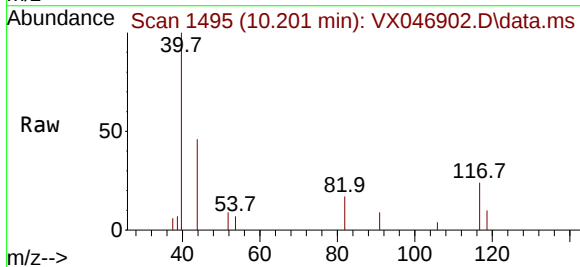
Acq: 07 Jul 2025 13:07

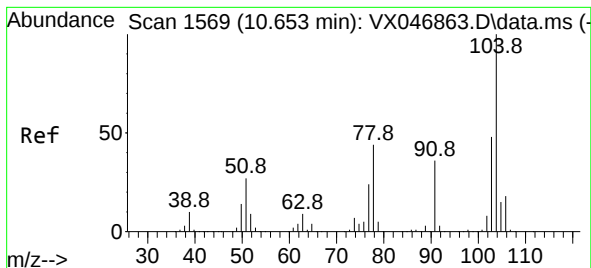
Tgt Ion: 106 Resp: 45

Ion Ratio Lower Upper

106 100

91 237.8 164.6 246.8





#70

Styrene

Concen: 0.008 ug/l

RT: 10.695 min Scan# 1576

Delta R.T. 0.043 min

Lab File: VX046902.D

Acq: 07 Jul 2025 13:07

Instrument :

MSVOA_X

ClientSampleId :

IBLK

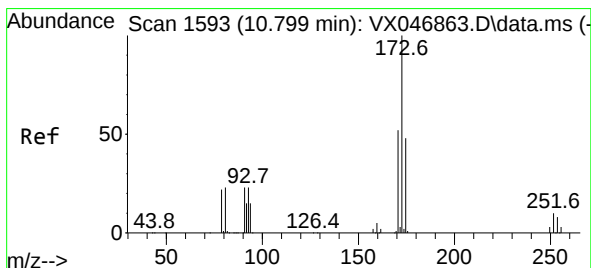
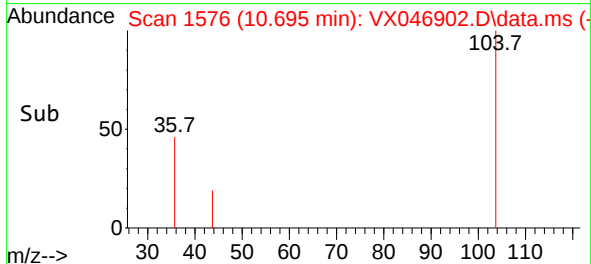
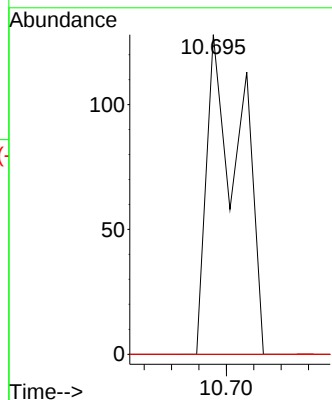
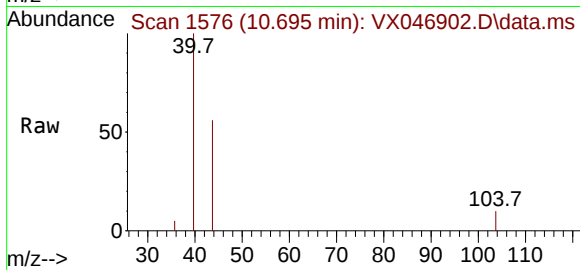
Tgt Ion:104 Resp: 109

Ion Ratio Lower Upper

104 100

78 0.0 40.3 60.5#

103 0.0 42.8 64.2#



#71

Bromoform

Concen: 0.060 ug/l

RT: 10.811 min Scan# 1595

Delta R.T. 0.012 min

Lab File: VX046902.D

Acq: 07 Jul 2025 13:07

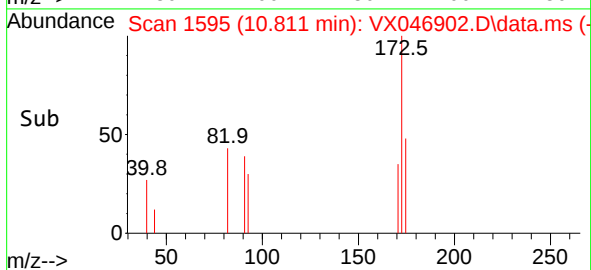
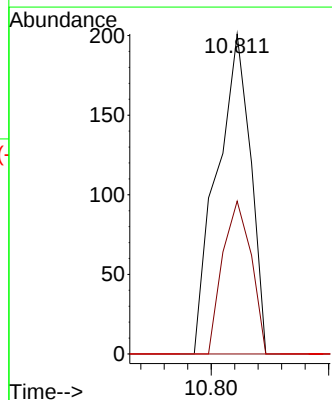
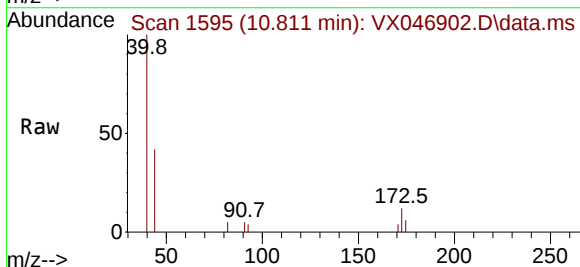
Tgt Ion:173 Resp: 199

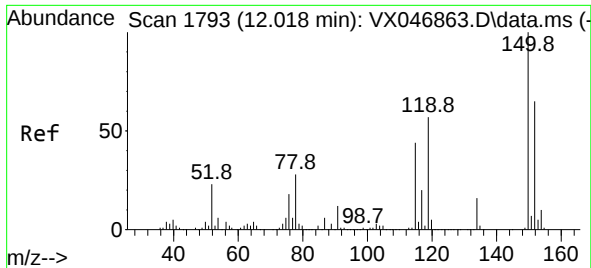
Ion Ratio Lower Upper

173 100

175 0.0 23.8 71.5#

254 0.0 0.1 0.1#

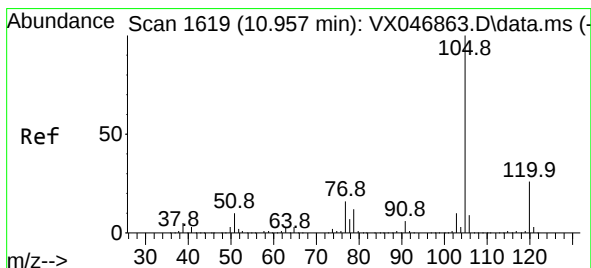
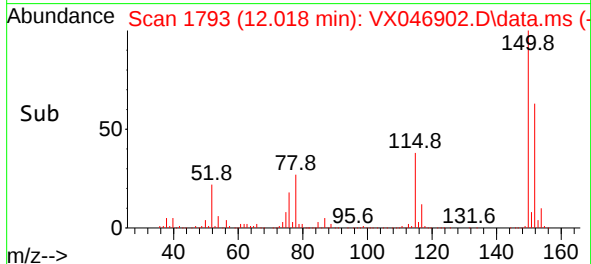
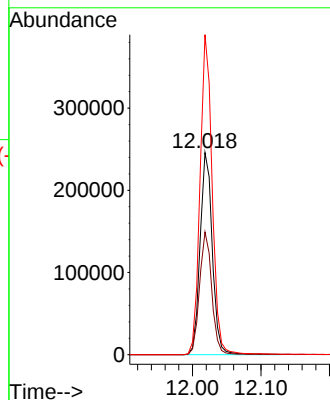
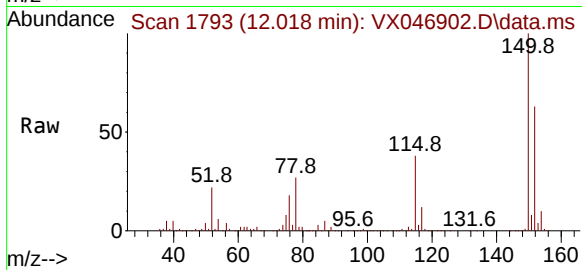




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX046902.D
Acq: 07 Jul 2025 13:07

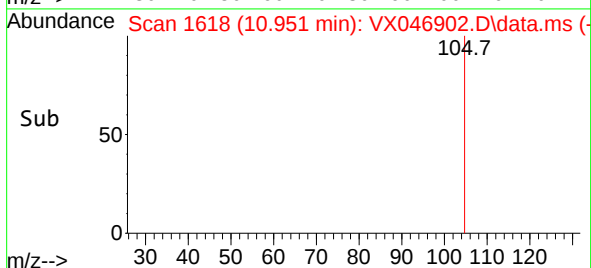
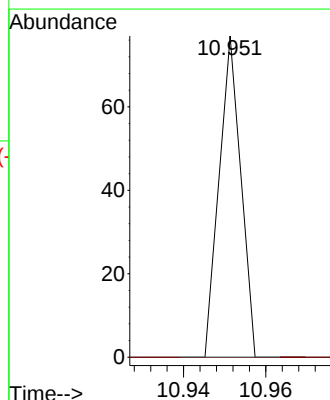
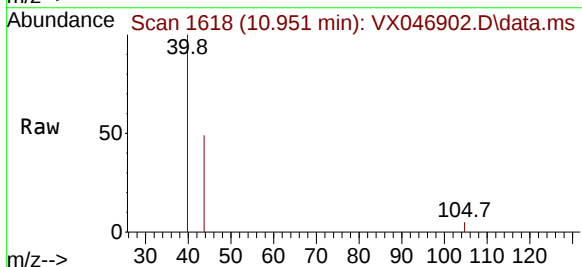
Instrument :
MSVOA_X
ClientSampleId :
IBLK

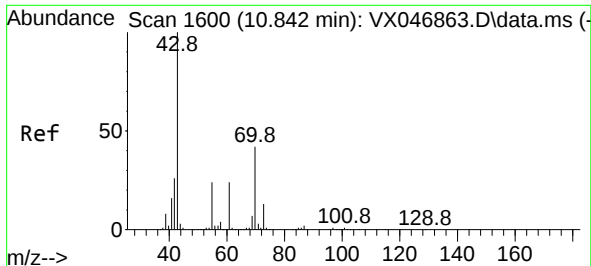
Tgt Ion:152 Resp: 306943
Ion Ratio Lower Upper
152 100
115 60.6 42.4 127.1
150 156.9 0.0 349.2



#73
Isopropylbenzene
Concen: 0.001 ug/l
RT: 10.951 min Scan# 1618
Delta R.T. -0.006 min
Lab File: VX046902.D
Acq: 07 Jul 2025 13:07

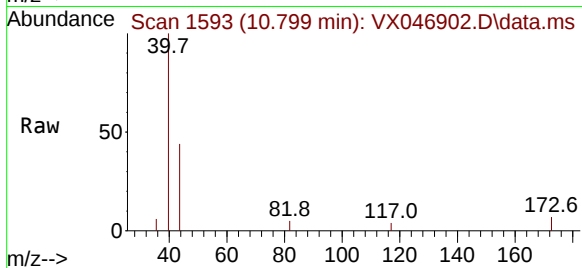
Tgt Ion:105 Resp: 28
Ion Ratio Lower Upper
105 100
120 0.0 13.2 39.5#





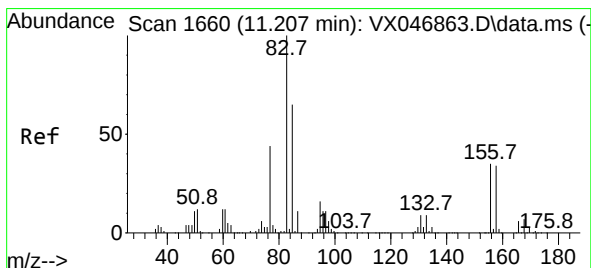
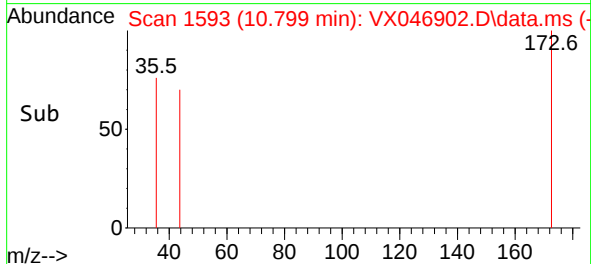
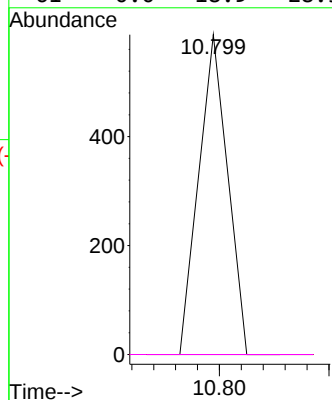
#74
N-amy1 acetate
Concen: 0.029 ug/l
RT: 10.799 min Scan# 1639
Delta R.T. -0.043 min
Lab File: VX046902.D
Acq: 07 Jul 2025 13:07

Instrument :
MSVOA_X
ClientSampleId :
IBLK



Tgt Ion: 43 Resp: 215

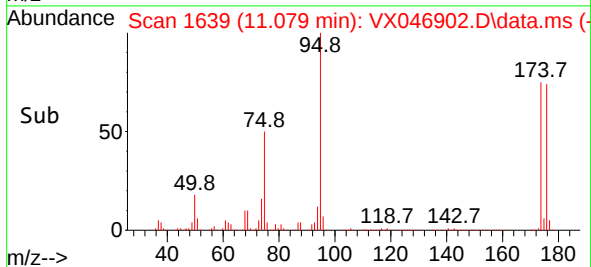
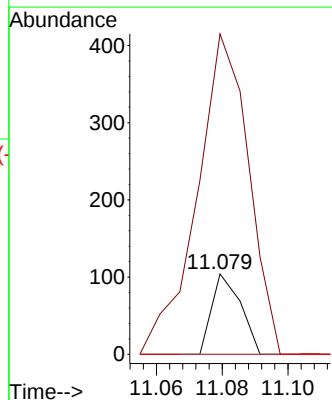
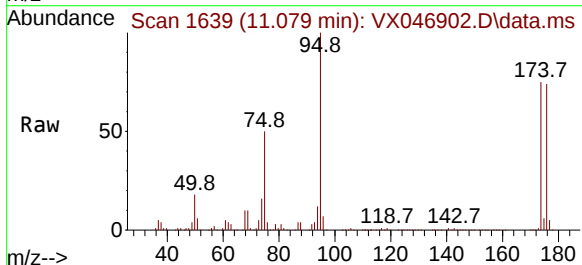
Ion	Ratio	Lower	Upper
43	100		
70	0.0	33.4	50.2#
55	0.0	19.6	29.4#
61	0.0	18.9	28.3#

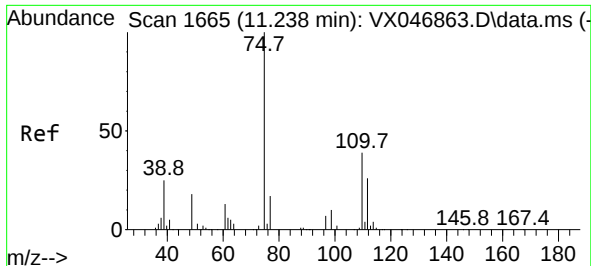


#75
1,1,2,2-Tetrachloroethane
Concen: 0.011 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.128 min
Lab File: VX046902.D
Acq: 07 Jul 2025 13:07

Tgt Ion: 83 Resp: 63

Ion	Ratio	Lower	Upper
83	100		
131	720.6	5.0	14.9#
85	0.0	32.1	96.5#

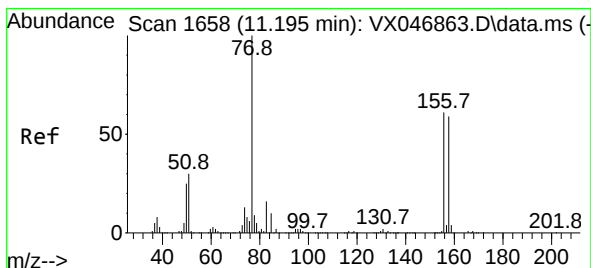
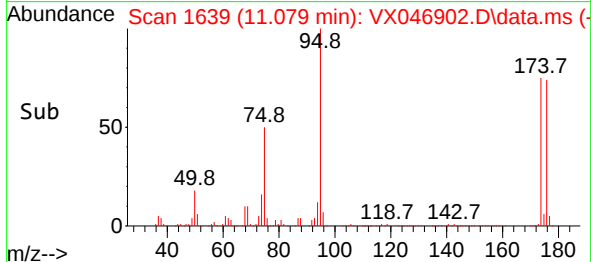
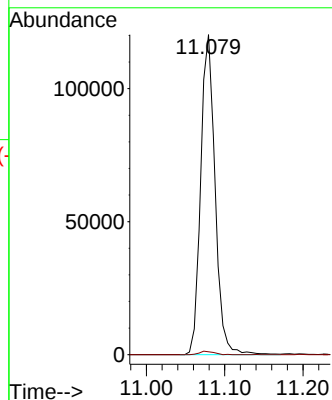
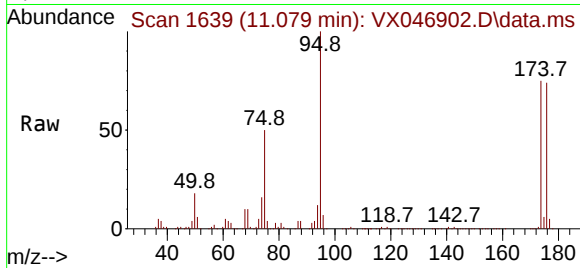




#76
1,2,3-Trichloropropane
Concen: 32.427 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX046902.D
Acq: 07 Jul 2025 13:07

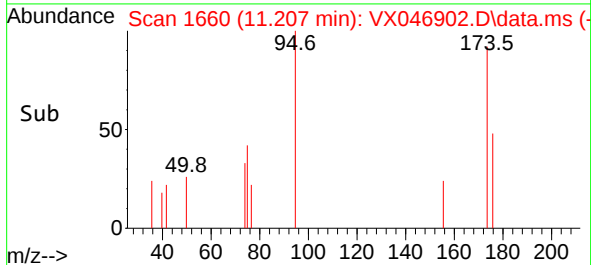
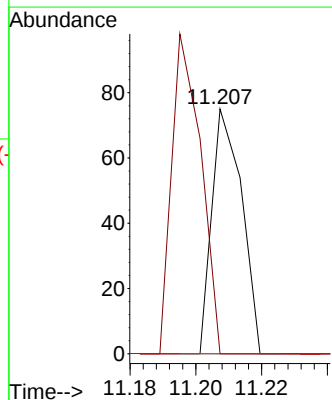
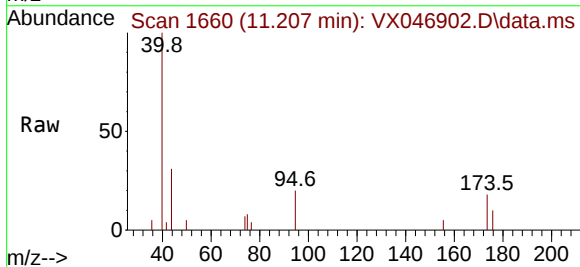
Instrument :
MSVOA_X
ClientSampleId :
IBLK

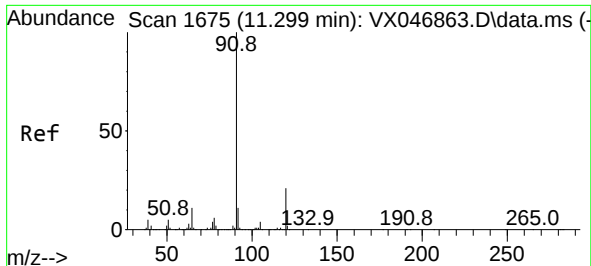
Tgt Ion: 75 Resp: 153793
Ion Ratio Lower Upper
75 100
77 1.1 20.6 61.8#



#77
Bromobenzene
Concen: 0.009 ug/l
RT: 11.207 min Scan# 1660
Delta R.T. 0.012 min
Lab File: VX046902.D
Acq: 07 Jul 2025 13:07

Tgt Ion: 156 Resp: 47
Ion Ratio Lower Upper
156 100
77 127.7 82.3 247.0
158 0.0 47.5 142.6#

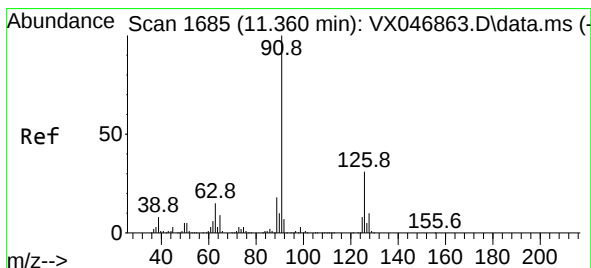
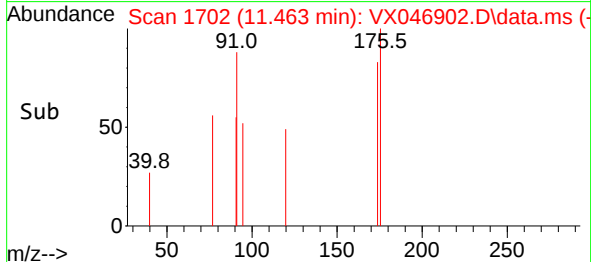
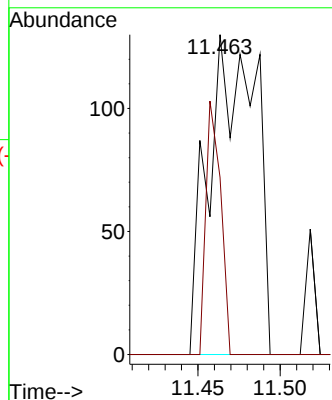
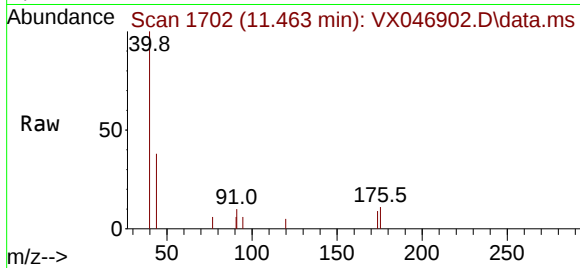




#78
n-propylbenzene
Concen: 0.010 ug/l
RT: 11.463 min Scan# 11
Delta R.T. 0.165 min
Lab File: VX046902.D
Acq: 07 Jul 2025 13:07

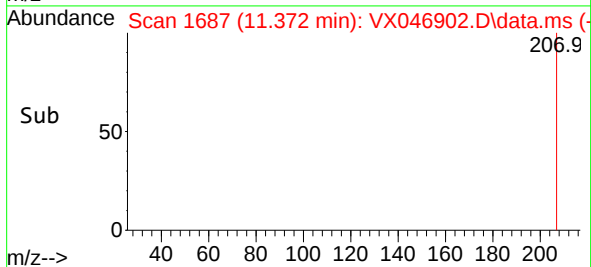
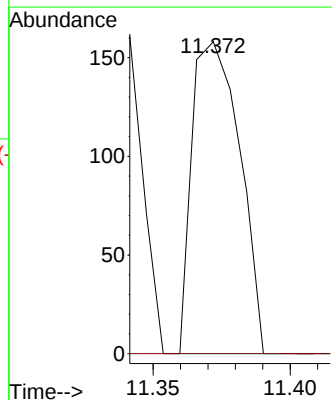
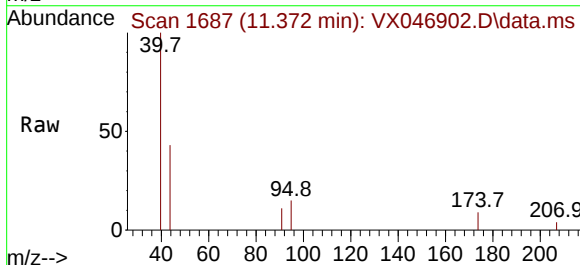
Instrument :
MSVOA_X
ClientSampleId :
IBLK

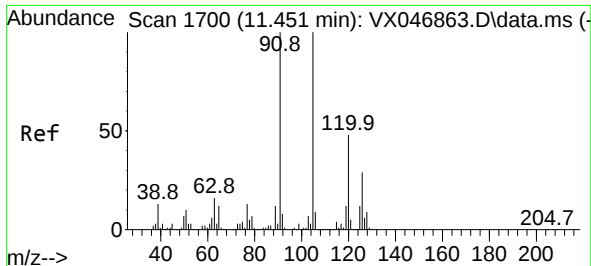
Tgt Ion: 91 Resp: 258
Ion Ratio Lower Upper
91 100
120 24.8 11.2 33.5



#79
2-Chlorotoluene
Concen: 0.012 ug/l
RT: 11.372 min Scan# 1687
Delta R.T. 0.012 min
Lab File: VX046902.D
Acq: 07 Jul 2025 13:07

Tgt Ion: 91 Resp: 191
Ion Ratio Lower Upper
91 100
126 0.0 16.6 49.8#

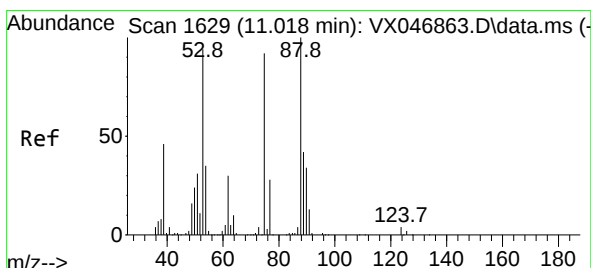
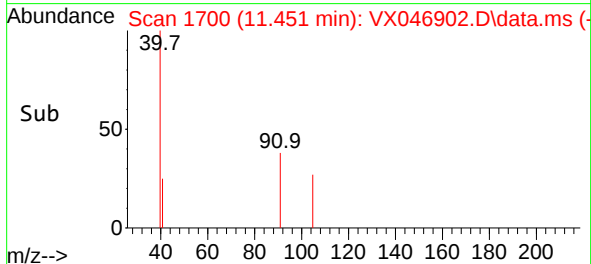
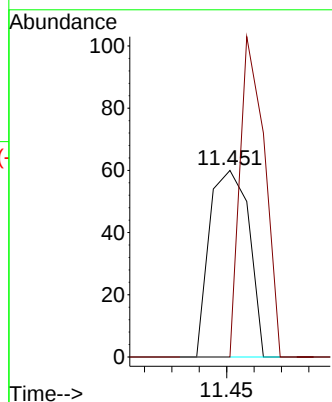
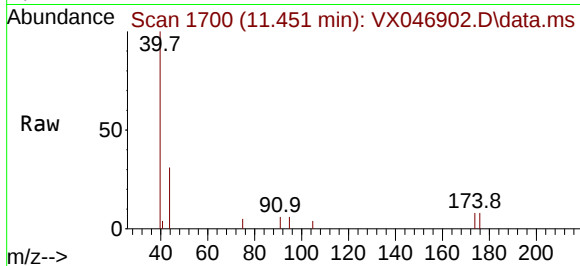




#80
1,3,5-Trimethylbenzene
Concen: 0.003 ug/l
RT: 11.451 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX046902.D
Acq: 07 Jul 2025 13:07

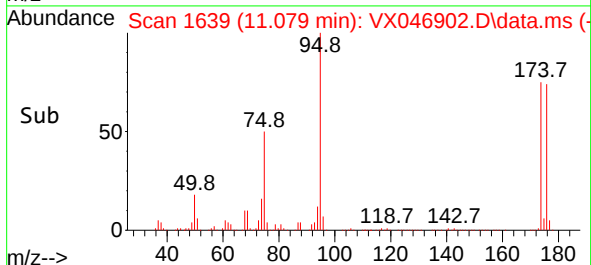
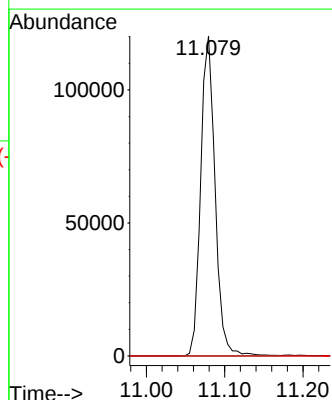
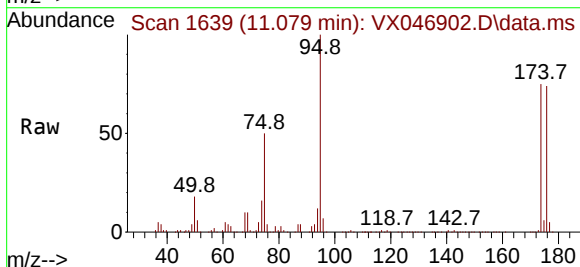
Instrument :
MSVOA_X
ClientSampleId :
IBLK

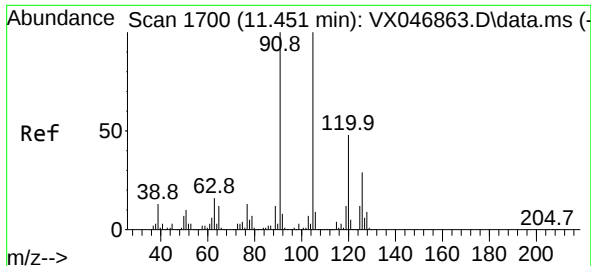
Tgt Ion:105 Resp: 60
Ion Ratio Lower Upper
105 100
120 106.7 24.1 72.4#



#81
trans-1,4-Dichloro-2-butene
Concen: 87.019 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX046902.D
Acq: 07 Jul 2025 13:07

Tgt Ion: 75 Resp: 153793
Ion Ratio Lower Upper
75 100
53 0.0 83.7 125.5#
89 0.0 38.2 57.2#

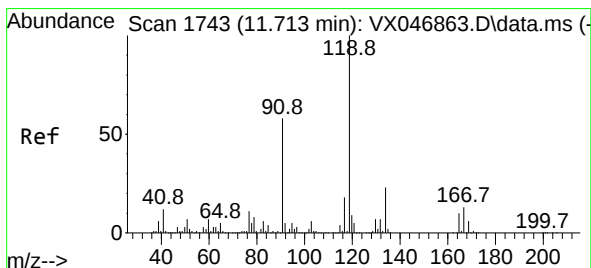
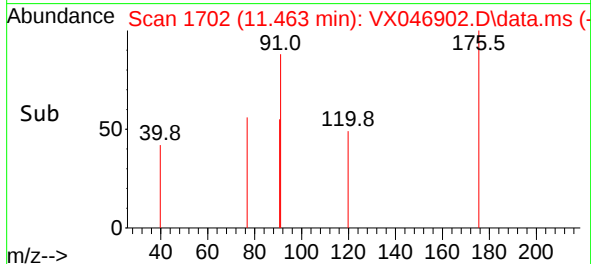
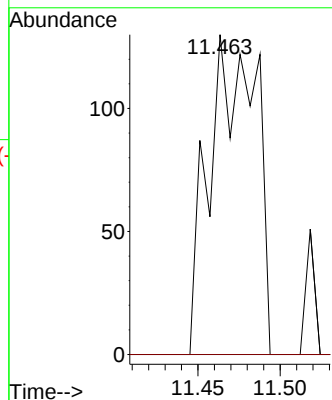
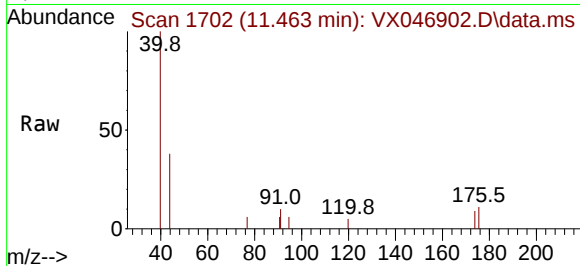




#82
4-Chlorotoluene
Concen: 0.015 ug/l
RT: 11.463 min Scan# 11
Delta R.T. 0.012 min
Lab File: VX046902.D
Acq: 07 Jul 2025 13:07

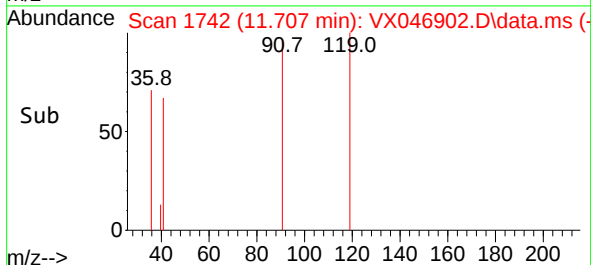
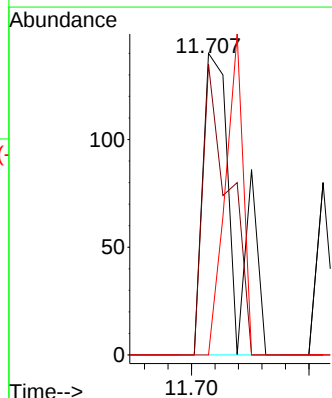
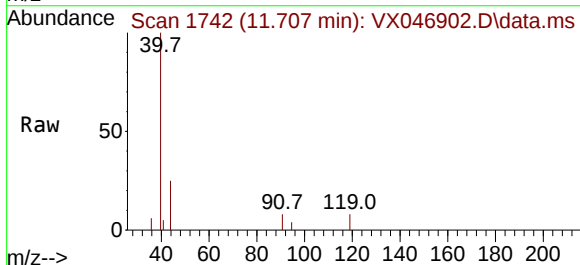
Instrument :
MSVOA_X
ClientSampleId :
IBLK

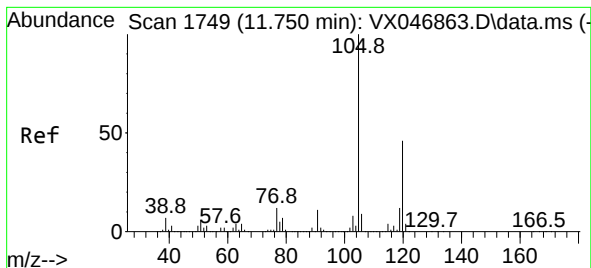
Tgt Ion: 91 Resp: 258
Ion Ratio Lower Upper
91 100
126 0.0 14.6 44.0#



#83
tert-Butylbenzene
Concen: 0.007 ug/l
RT: 11.707 min Scan# 1742
Delta R.T. -0.006 min
Lab File: VX046902.D
Acq: 07 Jul 2025 13:07

Tgt Ion: 119 Resp: 130
Ion Ratio Lower Upper
119 100
91 81.5 28.7 86.3
134 60.0 11.4 34.2#





#84

1,2,4-Trimethylbenzene

Concen: 0.017 ug/l

RT: 11.762 min Scan# 1751

Delta R.T. 0.012 min

Lab File: VX046902.D

Acq: 07 Jul 2025 13:07

Instrument :

MSVOA_X

ClientSampleId :

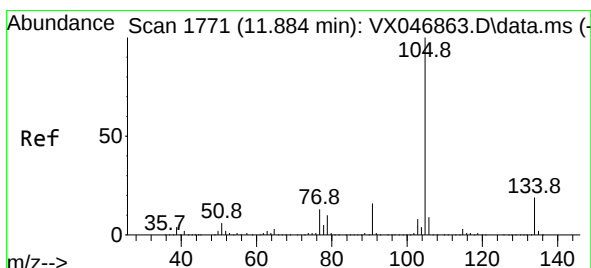
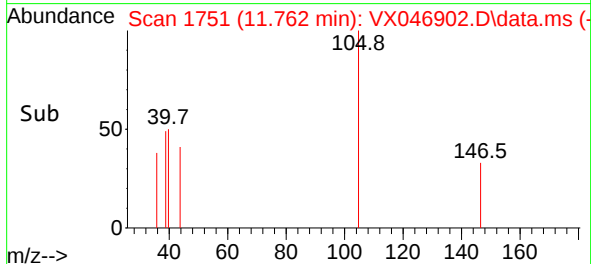
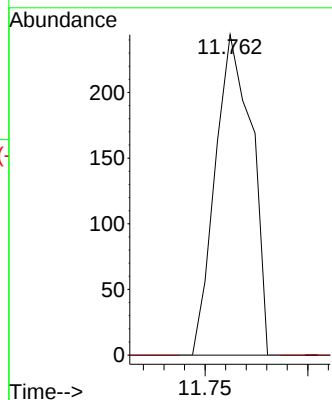
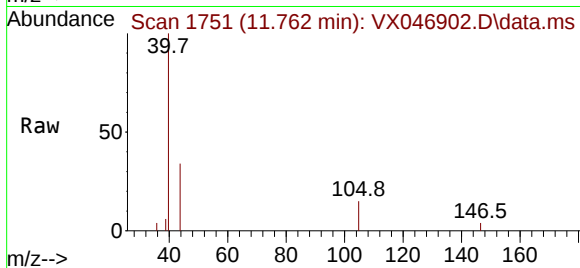
IBLK

Tgt Ion:105 Resp: 302

Ion Ratio Lower Upper

105 100

120 0.0 23.3 69.8#



#85

sec-Butylbenzene

Concen: 0.027 ug/l

RT: 11.896 min Scan# 1773

Delta R.T. 0.012 min

Lab File: VX046902.D

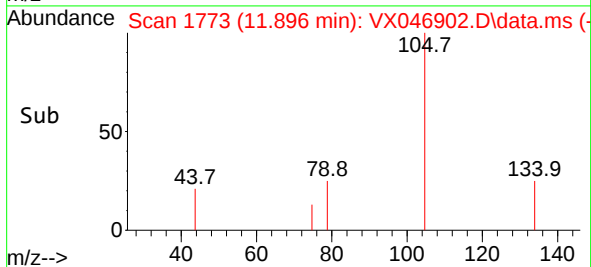
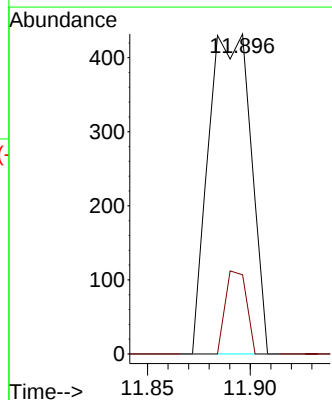
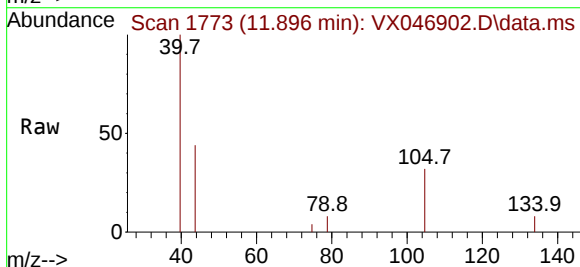
Acq: 07 Jul 2025 13:07

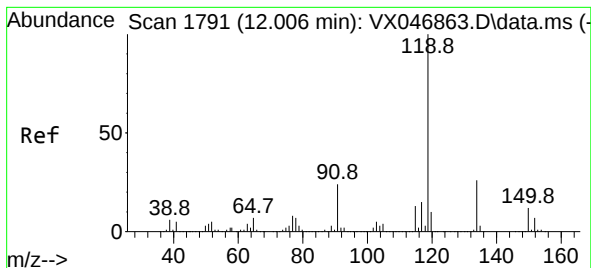
Tgt Ion:105 Resp: 619

Ion Ratio Lower Upper

105 100

134 12.9 9.9 29.7





#86

p-Isopropyltoluene

Concen: 0.046 ug/l

RT: 12.018 min Scan# 11

Delta R.T. 0.012 min

Lab File: VX046902.D

Acq: 07 Jul 2025 13:07

Instrument :

MSVOA_X

ClientSampleId :

IBLK

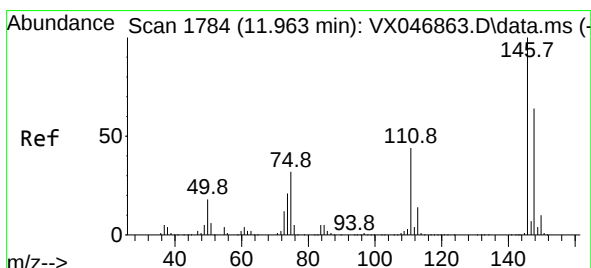
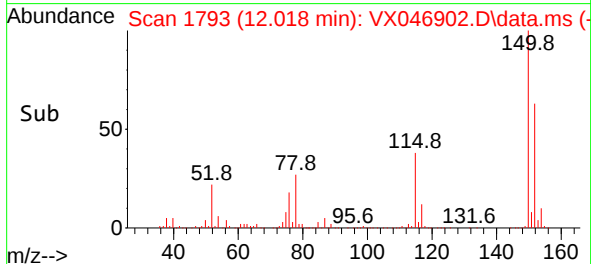
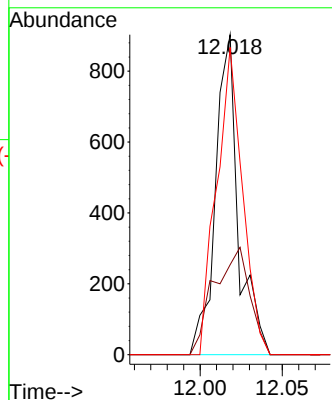
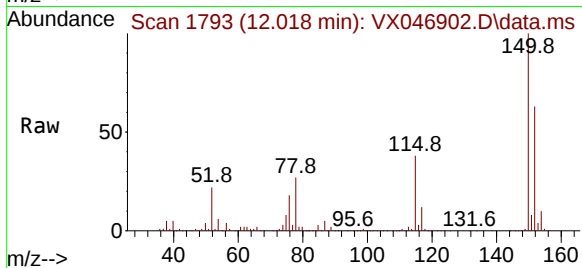
Tgt Ion:119 Resp: 872

Ion Ratio Lower Upper

119 100

134 52.5 13.0 39.0#

91 109.3 12.0 36.1#



#87

1,3-Dichlorobenzene

Concen: 0.044 ug/l

RT: 11.976 min Scan# 1786

Delta R.T. 0.012 min

Lab File: VX046902.D

Acq: 07 Jul 2025 13:07

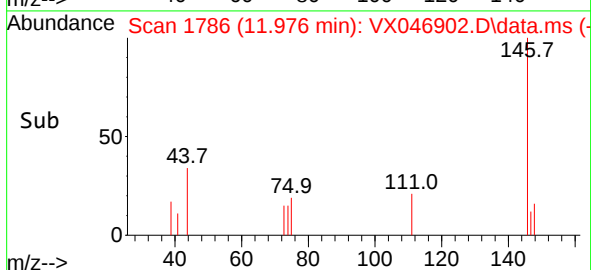
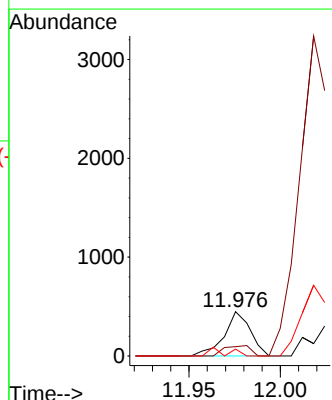
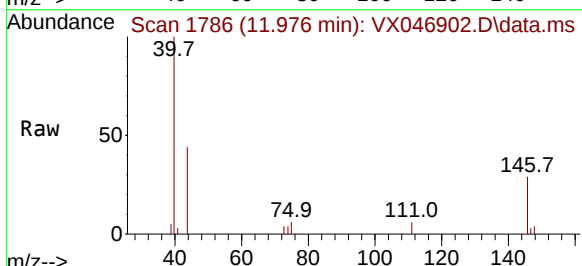
Tgt Ion:146 Resp: 446

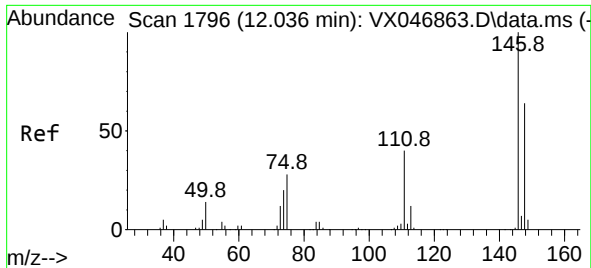
Ion Ratio Lower Upper

146 100

111 0.0 20.5 61.6#

148 13.2 31.4 94.2#

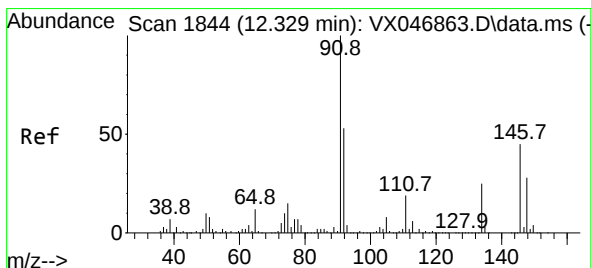
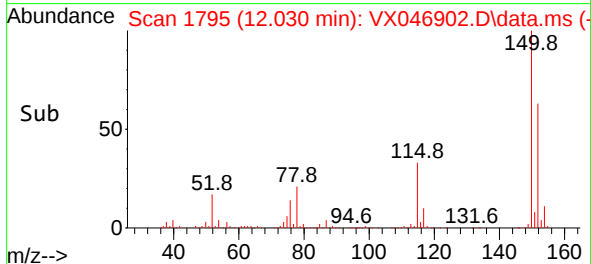
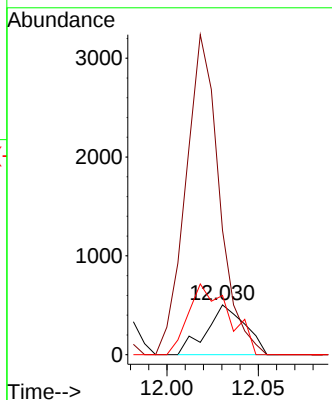
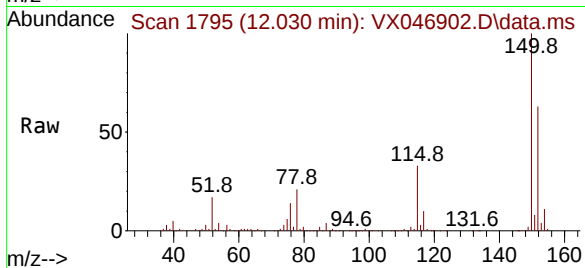




#88
1,4-Dichlorobenzene
Concen: 0.071 ug/l
RT: 12.030 min Scan# 11
Delta R.T. -0.006 min
Lab File: VX046902.D
Acq: 07 Jul 2025 13:07

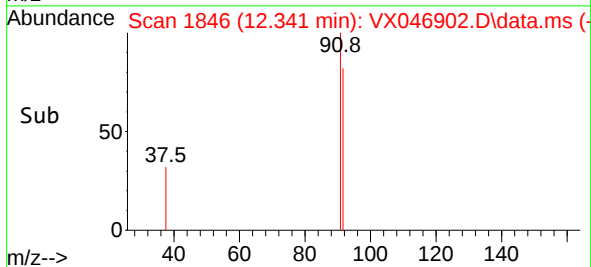
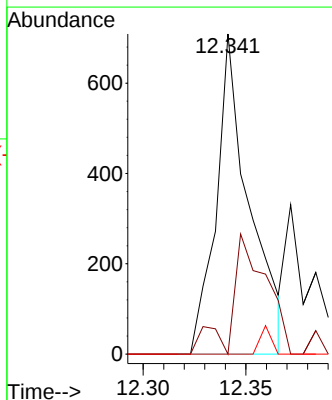
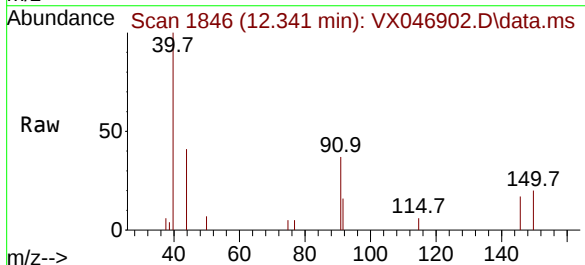
Instrument :
MSVOA_X
ClientSampleId :
IBLK

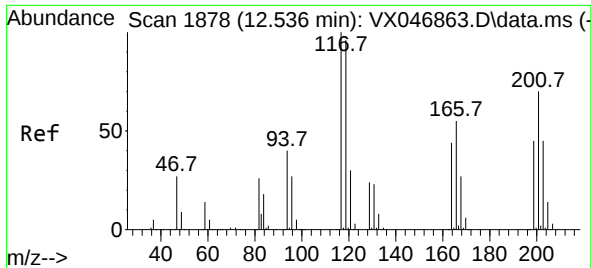
Tgt Ion:146 Resp: 743
Ion Ratio Lower Upper
146 100
111 558.3 20.2 60.5#
148 149.4 32.4 97.0#



#89
n-Butylbenzene
Concen: 0.044 ug/l
RT: 12.341 min Scan# 1846
Delta R.T. 0.012 min
Lab File: VX046902.D
Acq: 07 Jul 2025 13:07

Tgt Ion: 91 Resp: 794
Ion Ratio Lower Upper
91 100
92 39.8 27.0 81.0
134 2.9 12.8 38.4#

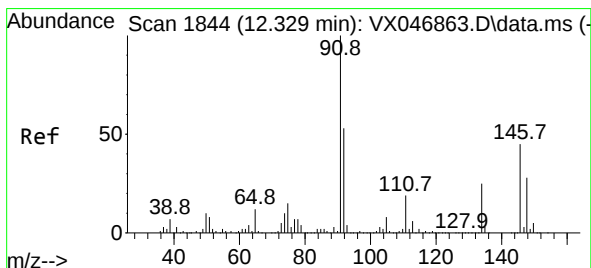
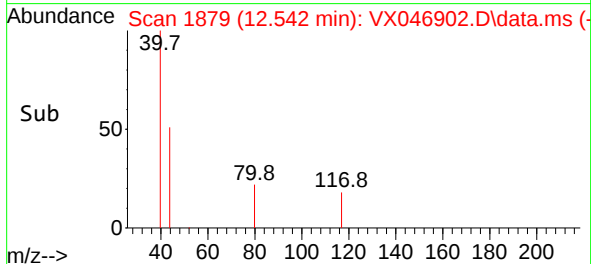
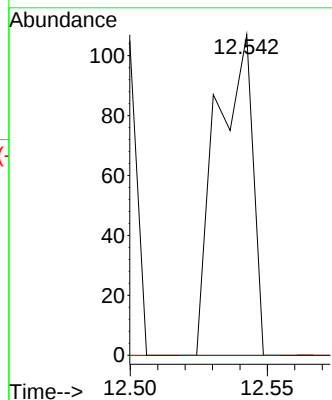
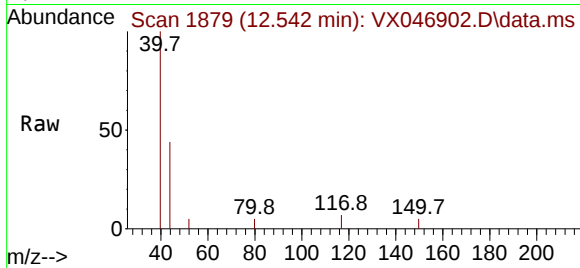




#90
Hexachloroethane
Concen: 0.029 ug/l
RT: 12.542 min Scan# 1879
Delta R.T. 0.006 min
Lab File: VX046902.D
Acq: 07 Jul 2025 13:07

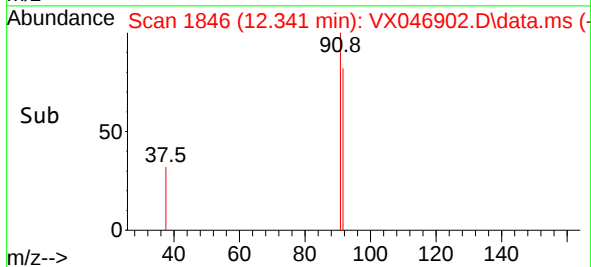
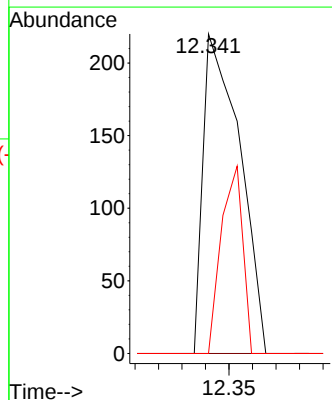
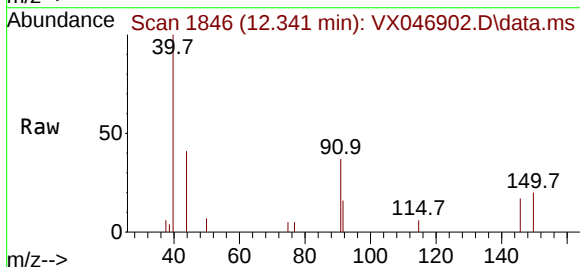
Instrument :
MSVOA_X
ClientSampleId :
IBLK

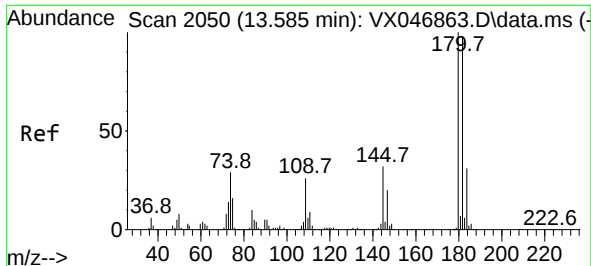
Tgt Ion:117 Resp: 98
Ion Ratio Lower Upper
117 100
201 0.0 35.8 107.4#



#91
1,2-Dichlorobenzene
Concen: 0.024 ug/l
RT: 12.341 min Scan# 1846
Delta R.T. 0.012 min
Lab File: VX046902.D
Acq: 07 Jul 2025 13:07

Tgt Ion:146 Resp: 238
Ion Ratio Lower Upper
146 100
111 0.0 21.1 63.1#
148 34.5 31.6 95.0

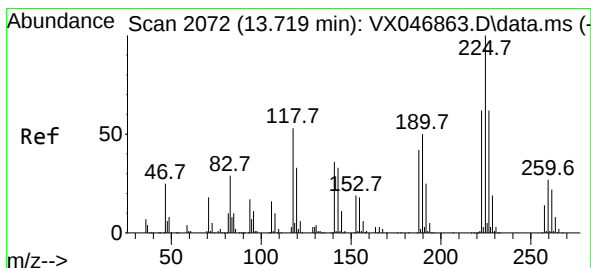
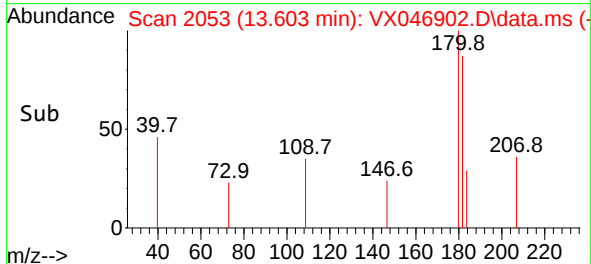
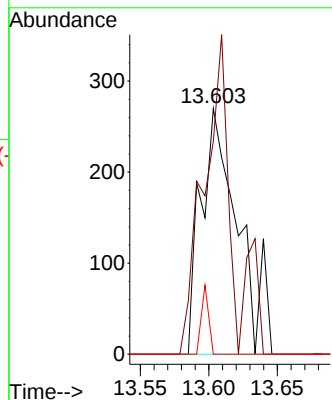
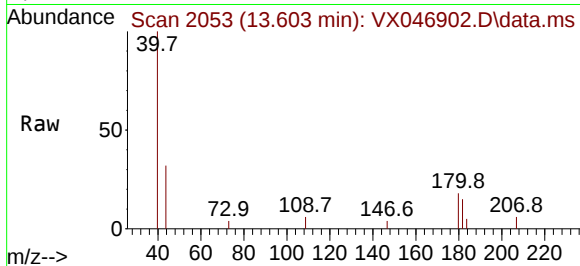




#93
 1,2,4-Trichlorobenzene
 Concen: 0.077 ug/l
 RT: 13.603 min Scan# 2053
 Delta R.T. 0.018 min
 Lab File: VX046902.D
 Acq: 07 Jul 2025 13:07

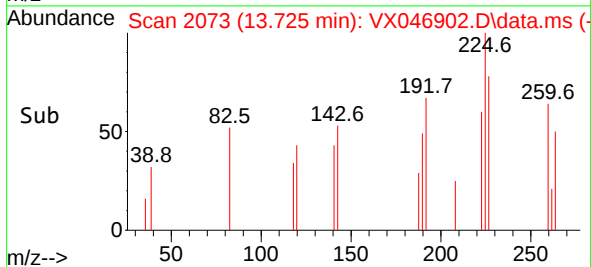
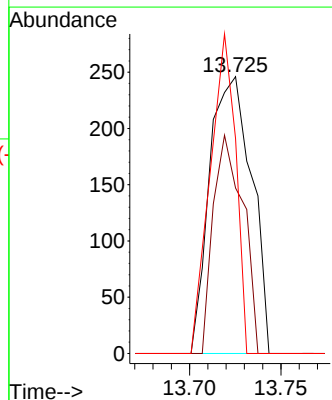
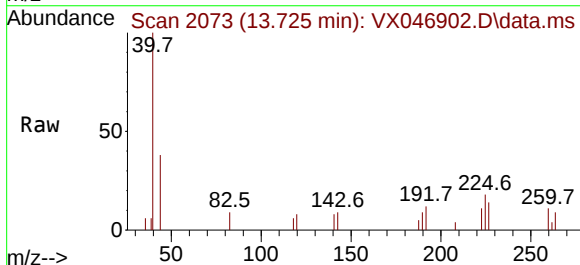
Instrument :
 MSVOA_X
 ClientSampleId :
 IBLK

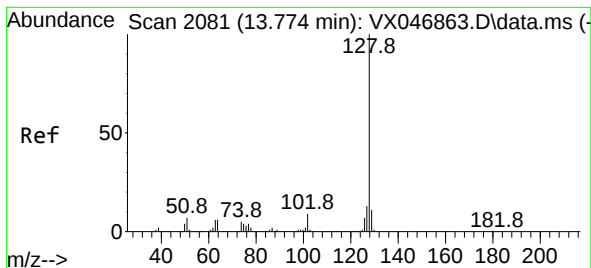
Tgt Ion:180 Resp: 512
 Ion Ratio Lower Upper
 180 100
 182 81.8 47.3 141.9
 145 5.5 16.1 48.2#



#94
 Hexachlorobutadiene
 Concen: 0.157 ug/l
 RT: 13.725 min Scan# 2073
 Delta R.T. 0.006 min
 Lab File: VX046902.D
 Acq: 07 Jul 2025 13:07

Tgt Ion:225 Resp: 392
 Ion Ratio Lower Upper
 225 100
 223 56.1 31.6 94.7
 227 70.7 31.6 94.7





#95

Naphthalene

Concen: 0.045 ug/l

RT: 13.798 min Scan# 2081

Delta R.T. 0.024 min

Lab File: VX046902.D

Acq: 07 Jul 2025 13:07

Instrument :

MSVOA_X

ClientSampleId :

IBLK

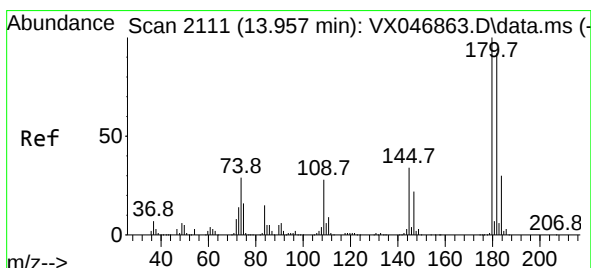
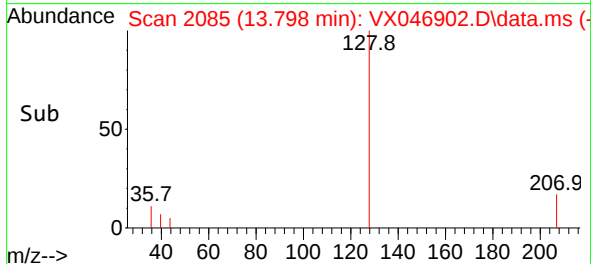
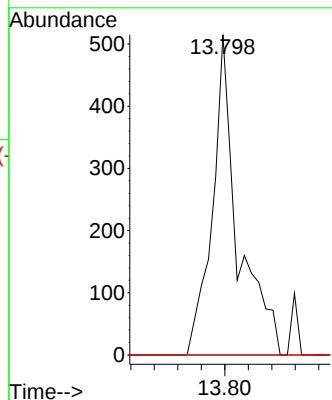
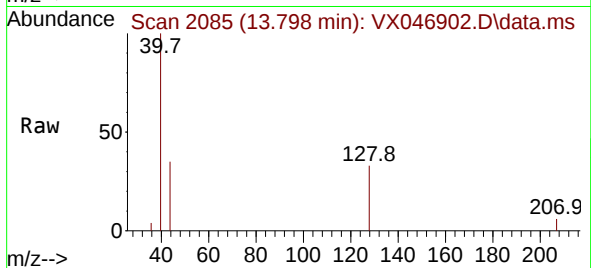
Tgt Ion:128 Resp: 777

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: 0.064 ug/l

RT: 13.969 min Scan# 2113

Delta R.T. 0.012 min

Lab File: VX046902.D

Acq: 07 Jul 2025 13:07

Tgt Ion:180 Resp: 399

Ion Ratio Lower Upper

180 100

182 82.2 46.7 140.1

145 4.8 16.8 50.3#

