

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX072125\
 Data File : VX047061.D
 Acq On : 21 Jul 2025 11:52
 Operator : JC/MD
 Sample : IBLK
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 IBLK

Quant Time: Jul 22 04:00:43 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 22 03:35:16 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.568	168	255907	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	453508	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	434520	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	214588	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	180148	56.512	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 113.020%	
35) Dibromofluoromethane	5.397	113	149194	53.282	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 106.560%	
50) Toluene-d8	8.653	98	552275	60.903	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 121.800%#	
62) 4-Bromofluorobenzene	11.079	95	223416	57.171	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 114.340%	

Target Compounds				Qvalue		
3) Chloromethane	1.313	50	992	0.295	ug/l #	55
5) Bromomethane	1.642	94	2348	1.196	ug/l	90
6) Chloroethane	1.715	64	1124	0.473	ug/l #	73
9) 1,1,2-Trichlorotrifluo...	2.343	101	947	0.292	ug/l	92
10) Methyl Iodide	2.483	142	4673	1.412	ug/l	92
11) Tert butyl alcohol	2.971	59	715	Below Cal	#	72
13) Acrolein	2.251	56	952	1.387	ug/l #	65
15) Acrylonitrile	3.087	53	2773	1.824	ug/l	98
16) Acetone	2.392	43	2237	1.752	ug/l	97
17) Carbon Disulfide	2.526	76	15046	1.617	ug/l	95
18) Methyl Acetate	2.727	43	1070	0.315	ug/l #	54
20) Methylene Chloride	2.806	84	778	0.221	ug/l #	72
21) trans-1,2-Dichloroethene	3.117	96	1403	0.426	ug/l #	88
23) Vinyl Acetate	3.769	43	2121	0.237	ug/l #	79
25) 2-Butanone	4.574	43	509	0.274	ug/l #	52
26) 2,2-Dichloropropane	4.580	77	1056	0.219	ug/l #	53
28) Bromochloromethane	4.922	49	643	0.225	ug/l #	34
31) Cyclohexane	5.470	56	1397	0.234	ug/l	88
36) 1,1-Dichloropropene	5.562	75	21638	4.533	ug/l #	51
38) Carbon Tetrachloride	5.562	117	26498	5.201	ug/l #	17
39) Methylcyclohexane	7.391	83	2598	0.436	ug/l #	83
42) 1,2-Dichloroethane	6.111	62	1075	0.221	ug/l	80
44) Trichloroethene	7.147	130	966	0.273	ug/l	63
46) Dibromomethane	7.604	93	599	0.247	ug/l #	89
49) 1,4-Dioxane	7.683	88	83	1.954	ug/l #	1
51) 4-Methyl-2-Pentanone	8.573	43	2097	0.515	ug/l #	76
53) t-1,3-Dichloropropene	9.000	75	1287	0.264	ug/l	91
58) 2-Chloroethyl Vinyl ether	8.281	63	792	0.302	ug/l #	52
64) Tetrachloroethene	9.275	164	1098	0.351	ug/l #	80
68) m/p-Xylenes	10.311	106	2798	0.420	ug/l	88
73) Isopropylbenzene	10.963	105	4447	0.263	ug/l	97
76) 1,2,3-Trichloropropane	11.079	75	117450	29.570	ug/l #	35
77) Bromobenzene	11.195	156	1037	0.255	ug/l	91
78) n-propylbenzene	11.305	91	8227	0.407	ug/l	95
79) 2-Chlorotoluene	11.366	91	3697	0.306	ug/l	89
80) 1,3,5-Trimethylbenzene	11.451	105	4834	0.346	ug/l	97

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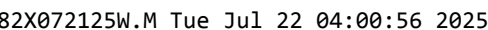
Quant Time: Jul 22 04:00:43 2025
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 Quant Title : SW846 8260
 QLast Update : Tue Jul 22 03:35:16 2025
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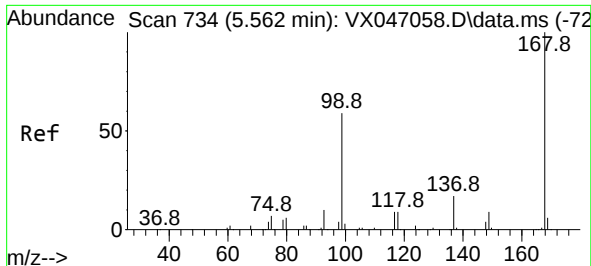
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	

81) trans-1,4-Dichloro-2-b...	11.079	75	117450	76.184	ug/l	#	8
82) 4-Chlorotoluene	11.463	91	5554	0.393	ug/l		99
83) tert-Butylbenzene	11.713	119	5772	0.411	ug/l		96
84) 1,2,4-Trimethylbenzene	11.756	105	4723	0.339	ug/l		98
85) sec-Butylbenzene	11.890	105	11759	0.670	ug/l		97
86) p-Isopropyltoluene	12.006	119	9921	0.682	ug/l		91
87) 1,3-Dichlorobenzene	11.975	146	4195	0.544	ug/l		98
88) 1,4-Dichlorobenzene	11.975	146	4195	0.537	ug/l		97
89) n-Butylbenzene	12.335	91	15510	1.137	ug/l		98
90) Hexachloroethane	12.542	117	1548	0.595	ug/l		80
91) 1,2-Dichlorobenzene	12.341	146	3059	0.415	ug/l		96
93) 1,2,4-Trichlorobenzene	13.591	180	6895	1.415	ug/l		96
94) Hexachlorobutadiene	13.719	225	15722	9.489	ug/l		99
95) Naphthalene	13.780	128	11446	0.801	ug/l		98
96) 1,2,3-Trichlorobenzene	13.963	180	6419	1.368	ug/l		98

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

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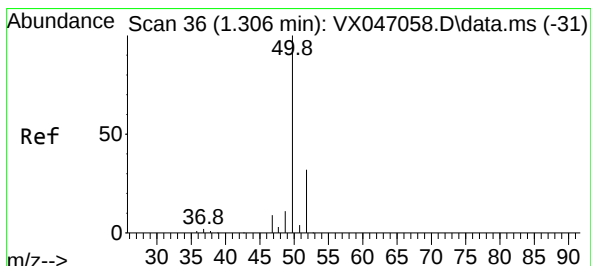
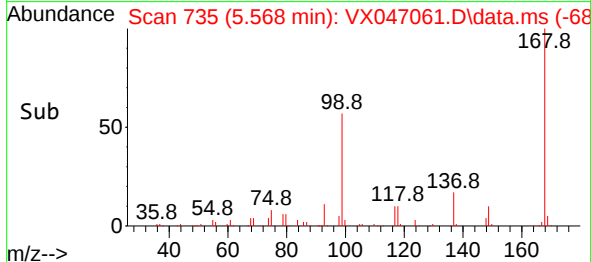
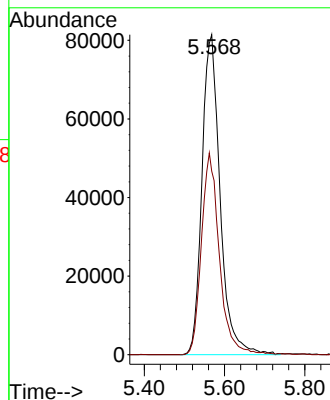
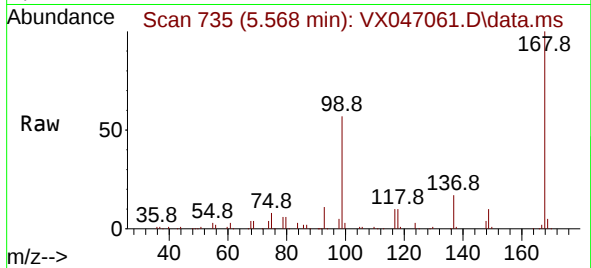




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.568 min Scan# 71
Delta R.T. 0.006 min
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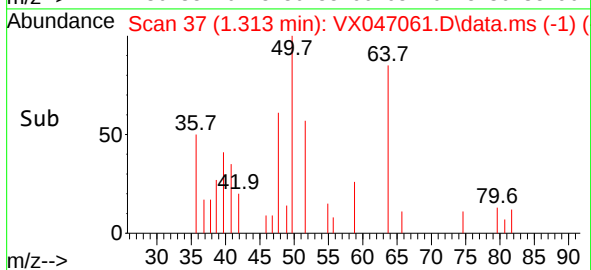
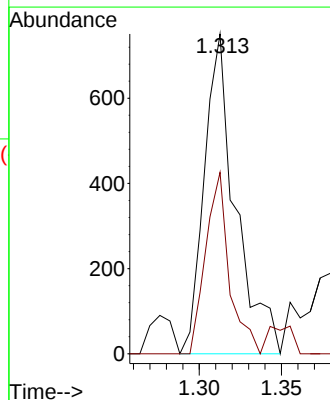
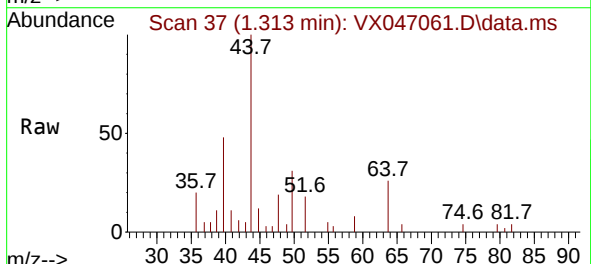
Instrument :
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IBLK

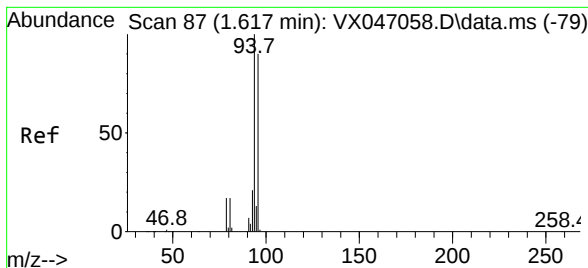
Tgt Ion:168 Resp: 255907
Ion Ratio Lower Upper
168 100
99 57.4 48.0 72.0



#3
Chloromethane
Concen: 0.295 ug/l
RT: 1.313 min Scan# 37
Delta R.T. 0.006 min
Lab File: VX047061.D
Acq: 21 Jul 2025 11:52

Tgt Ion: 50 Resp: 992
Ion Ratio Lower Upper
50 100
52 56.7 25.4 38.2#





#5

Bromomethane

Concen: 1.196 ug/l

RT: 1.642 min Scan# 91

Delta R.T. 0.025 min

Lab File: VX047061.D

Acq: 21 Jul 2025 11:52

Instrument :

MSVOA_X

ClientSampleId :

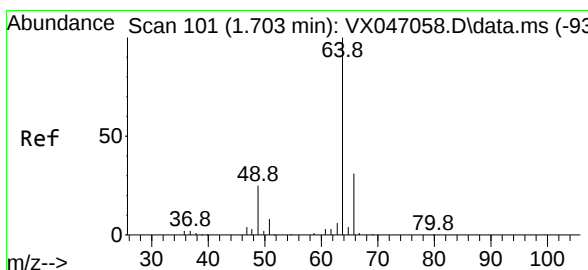
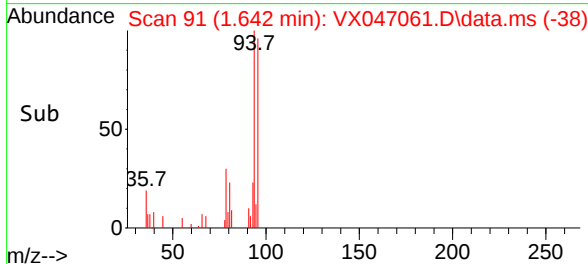
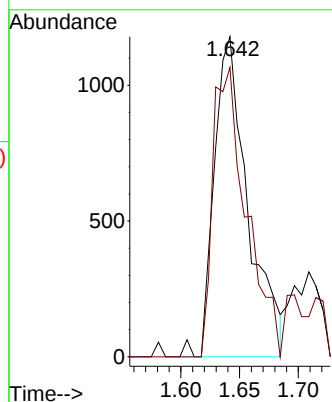
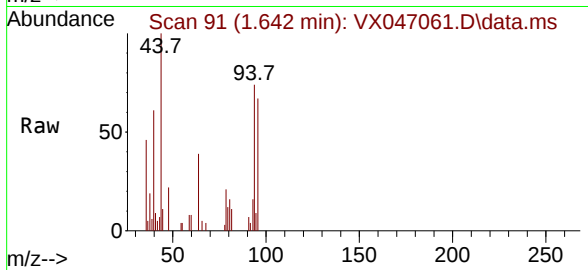
IBLK

Tgt Ion: 94 Resp: 2348

Ion Ratio Lower Upper

94 100

96 81.1 72.3 108.5



#6

Chloroethane

Concen: 0.473 ug/l

RT: 1.715 min Scan# 103

Delta R.T. 0.012 min

Lab File: VX047061.D

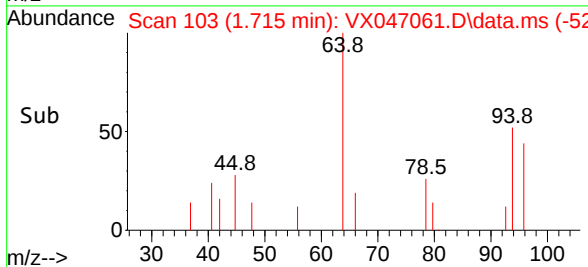
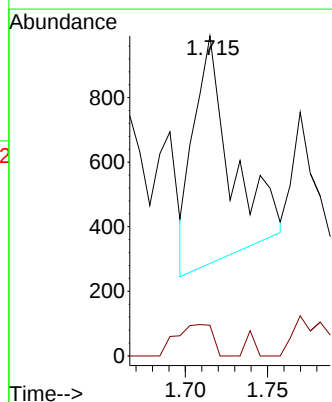
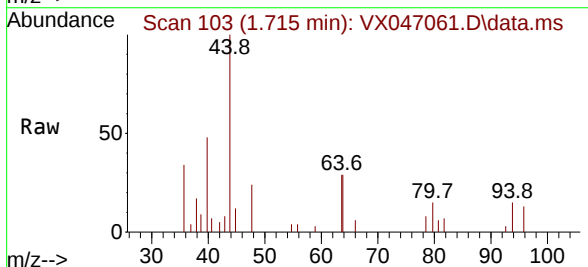
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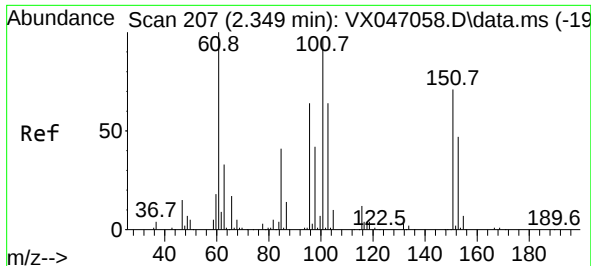
Tgt Ion: 64 Resp: 1124

Ion Ratio Lower Upper

64 100

66 16.5 25.0 37.6#

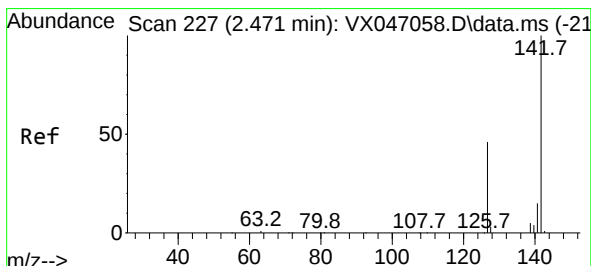
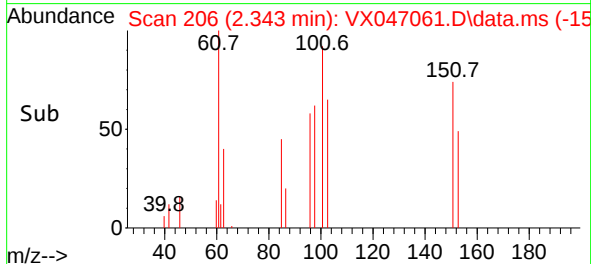
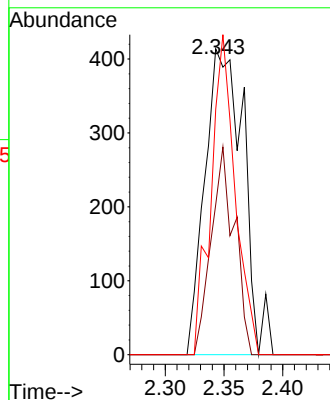
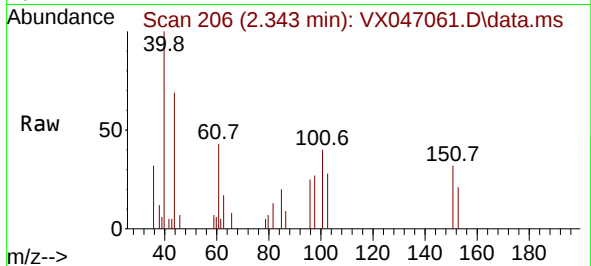




#9
1,1,2-Trichlorotrifluoroethane
Concen: 0.292 ug/l
RT: 2.343 min Scan# 207
Delta R.T. -0.006 min
Lab File: VX047061.D
Acq: 21 Jul 2025 11:52

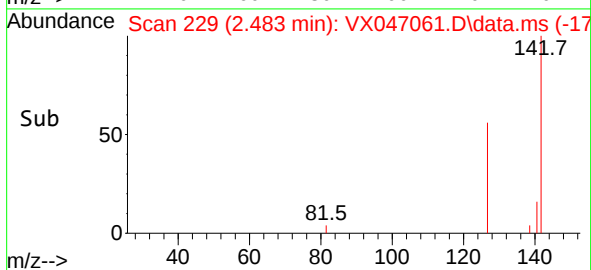
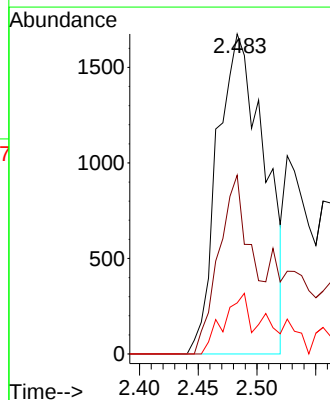
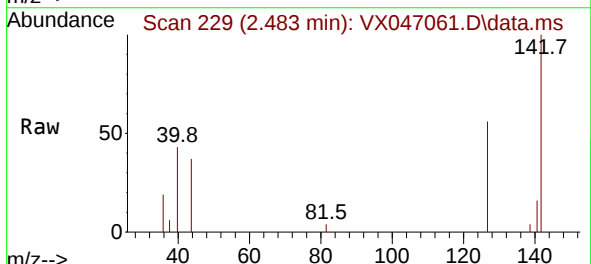
Instrument :
MSVOA_X
ClientSampleId :
IBLK

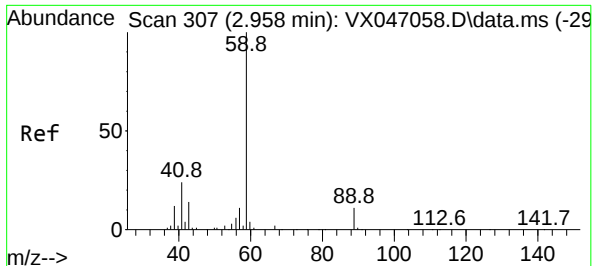
Tgt Ion:101 Resp: 947
Ion Ratio Lower Upper
101 100
85 41.1 35.4 53.0
151 65.9 59.2 88.8



#10
Methyl Iodide
Concen: 1.412 ug/l
RT: 2.483 min Scan# 229
Delta R.T. 0.012 min
Lab File: VX047061.D
Acq: 21 Jul 2025 11:52

Tgt Ion:142 Resp: 4673
Ion Ratio Lower Upper
142 100
127 39.9 36.6 54.8
141 11.4 10.9 16.3

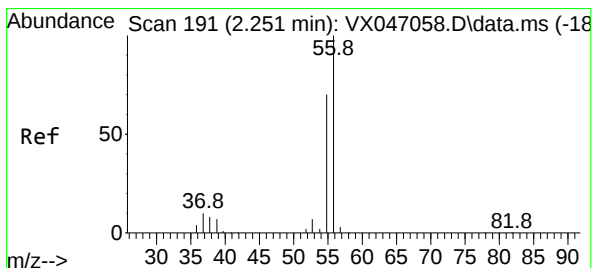
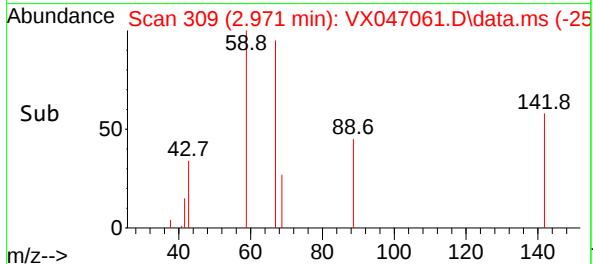
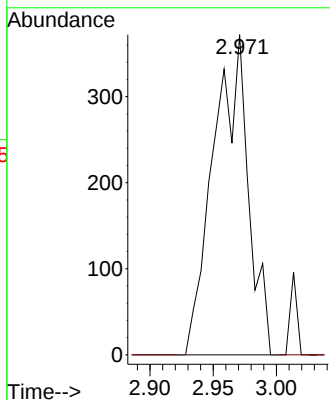
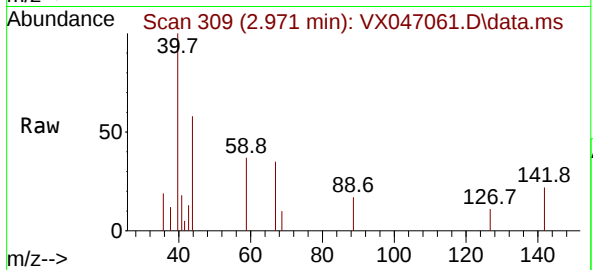




#11
Tert butyl alcohol
Concen: Below Cal
RT: 2.971 min Scan# 309
Delta R.T. 0.013 min
Lab File: VX047061.D
Acq: 21 Jul 2025 11:52

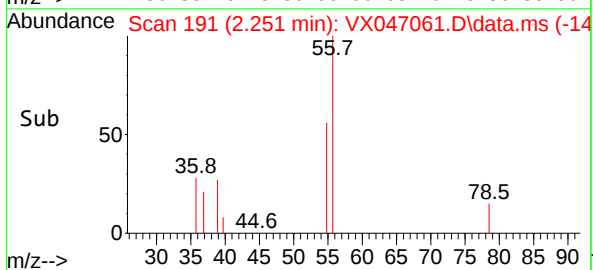
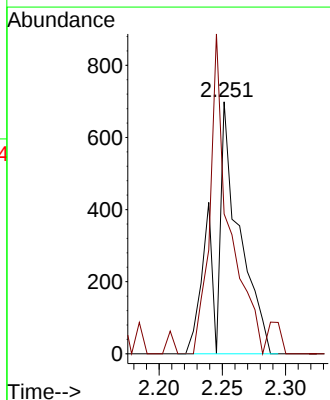
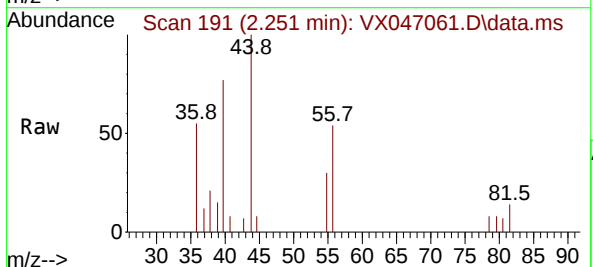
Instrument :
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ClientSampleId :
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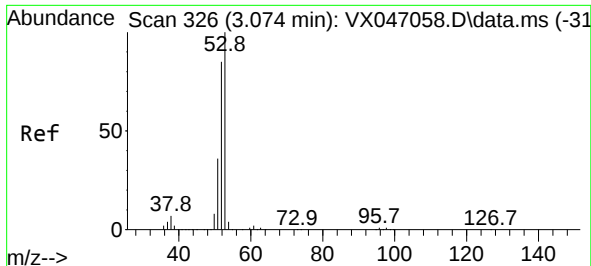
Tgt Ion: 59 Resp: 715
Ion Ratio Lower Upper
59 100
57 0.0 8.5 12.7#



#13
Acrolein
Concen: 1.387 ug/l
RT: 2.251 min Scan# 191
Delta R.T. 0.000 min
Lab File: VX047061.D
Acq: 21 Jul 2025 11:52

Tgt Ion: 56 Resp: 952
Ion Ratio Lower Upper
56 100
55 97.9 55.7 83.5#

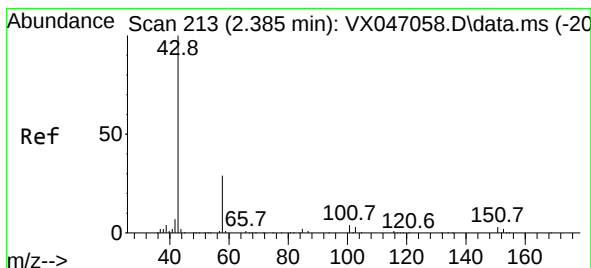
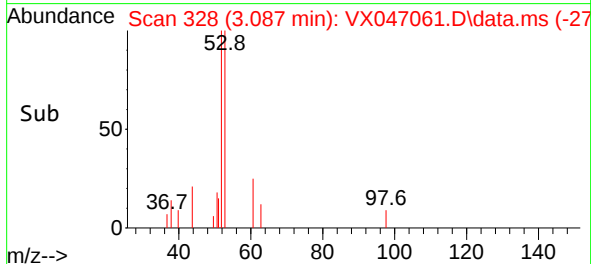
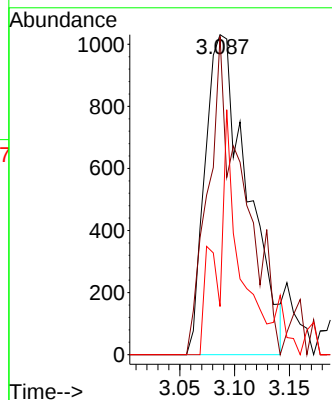
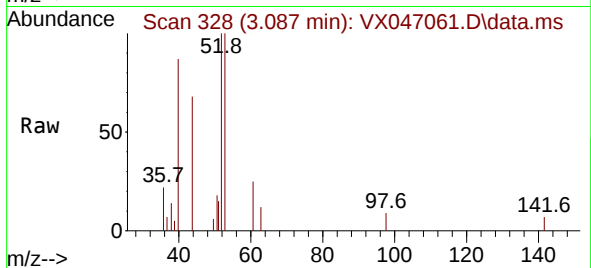




#15
Acrylonitrile
Concen: 1.824 ug/l
RT: 3.087 min Scan# 31
Delta R.T. 0.012 min
Lab File: VX047061.D
Acq: 21 Jul 2025 11:52

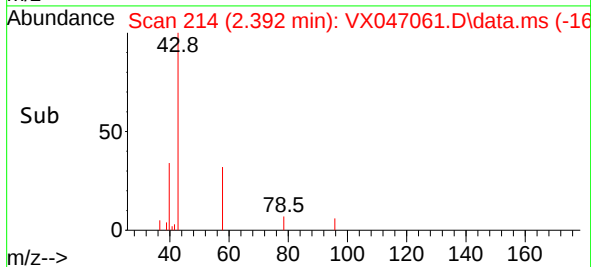
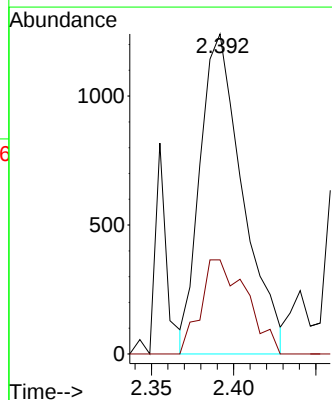
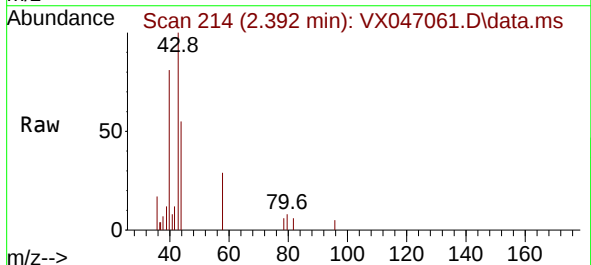
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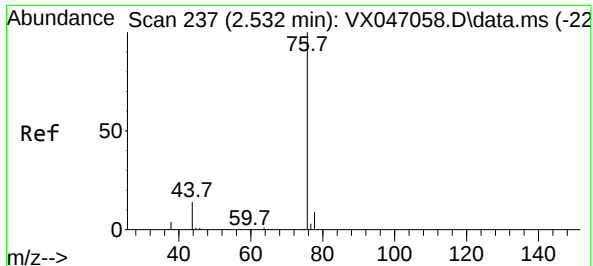
Tgt Ion: 53 Resp: 2773
Ion Ratio Lower Upper
53 100
52 81.6 65.7 98.5
51 38.4 28.8 43.2



#16
Acetone
Concen: 1.752 ug/l
RT: 2.392 min Scan# 214
Delta R.T. 0.006 min
Lab File: VX047061.D
Acq: 21 Jul 2025 11:52

Tgt Ion: 43 Resp: 2237
Ion Ratio Lower Upper
43 100
58 31.8 24.0 36.0





#17

Carbon Disulfide

Concen: 1.617 ug/l

RT: 2.526 min Scan# 21

Delta R.T. -0.006 min

Lab File: VX047061.D

Acq: 21 Jul 2025 11:52

Instrument :

MSVOA_X

ClientSampleId :

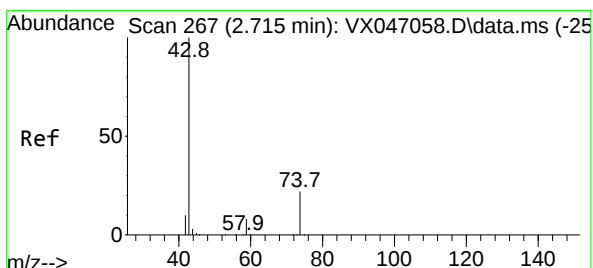
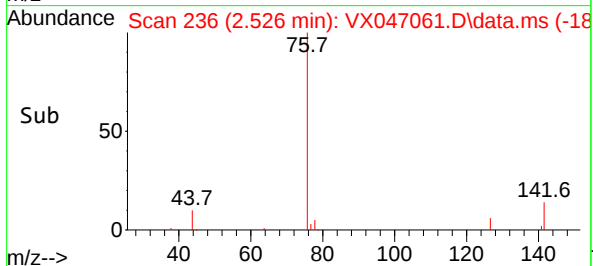
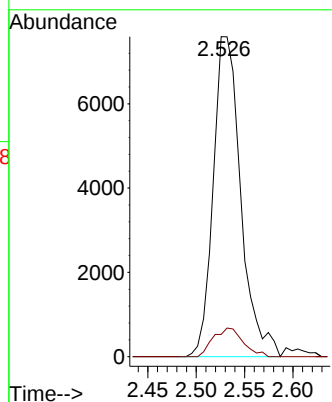
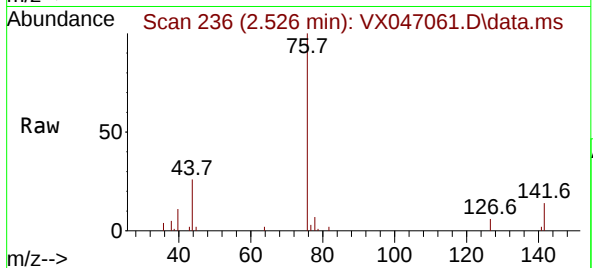
IBLK

Tgt Ion: 76 Resp: 15046

Ion Ratio Lower Upper

76 100

78 7.0 7.0 10.4



#18

Methyl Acetate

Concen: 0.315 ug/l

RT: 2.727 min Scan# 269

Delta R.T. 0.012 min

Lab File: VX047061.D

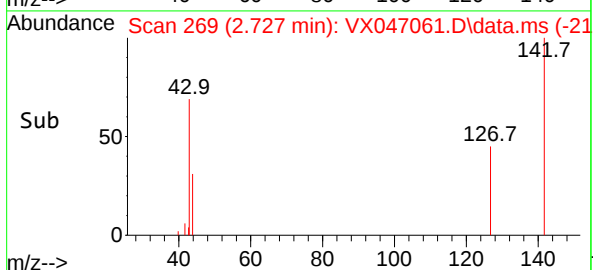
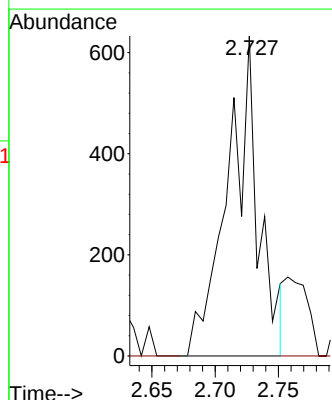
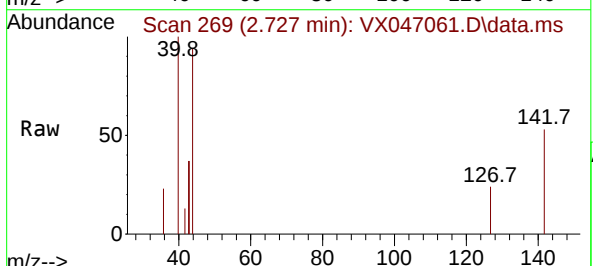
Acq: 21 Jul 2025 11:52

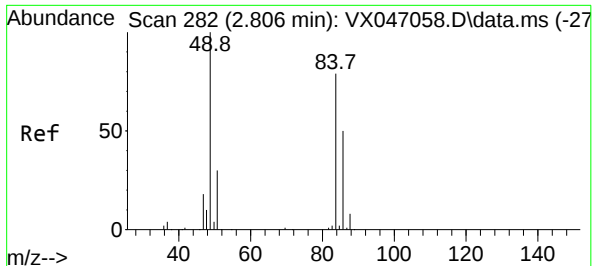
Tgt Ion: 43 Resp: 1070

Ion Ratio Lower Upper

43 100

74 0.0 17.7 26.5#

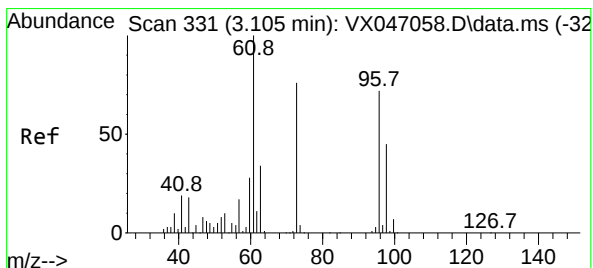
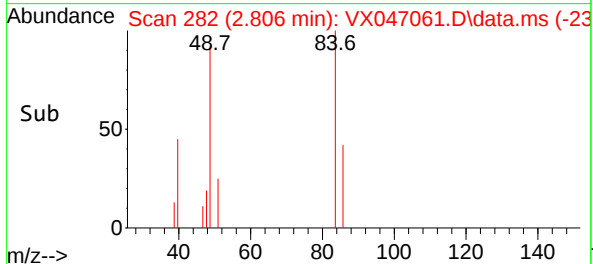
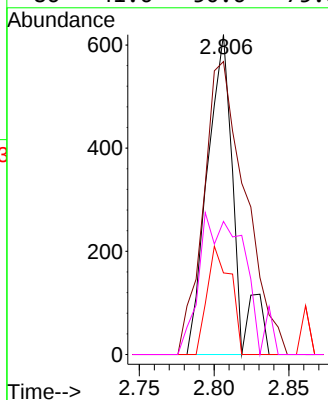
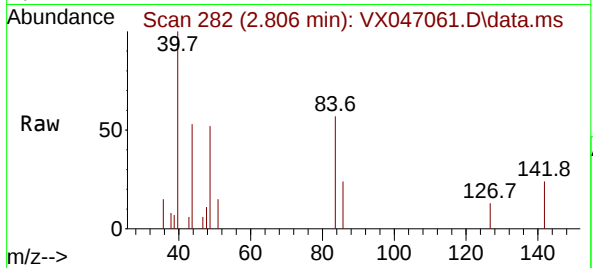




#20
Methylene Chloride
Concen: 0.221 ug/l
RT: 2.806 min Scan# 21
Delta R.T. 0.000 min
Lab File: VX047061.D
Acq: 21 Jul 2025 11:52

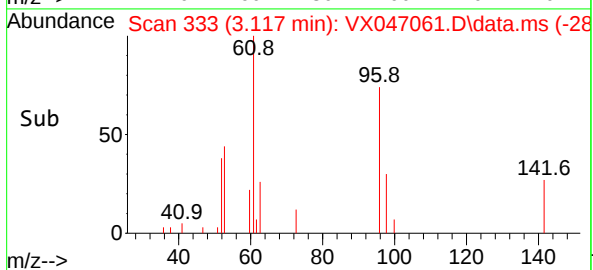
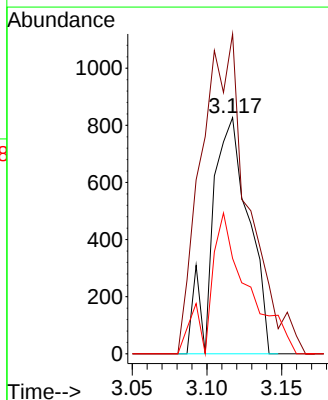
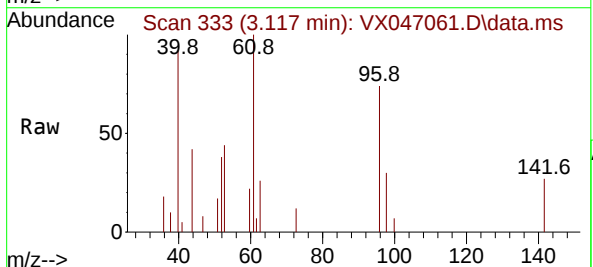
Instrument :
MSVOA_X
ClientSampleId :
IBLK

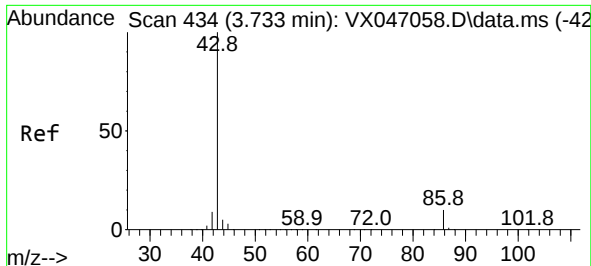
Tgt Ion:	84	Resp:	778
Ion	Ratio	Lower	Upper
84	100		
49	91.6	101.6	152.4#
51	25.5	30.3	45.5#
86	41.6	50.6	75.8#



#21
trans-1,2-Dichloroethene
Concen: 0.426 ug/l
RT: 3.117 min Scan# 333
Delta R.T. 0.012 min
Lab File: VX047061.D
Acq: 21 Jul 2025 11:52

Tgt Ion:	96	Resp:	1403
Ion	Ratio	Lower	Upper
96	100		
61	144.5	111.1	166.7
98	40.4	49.6	74.4#

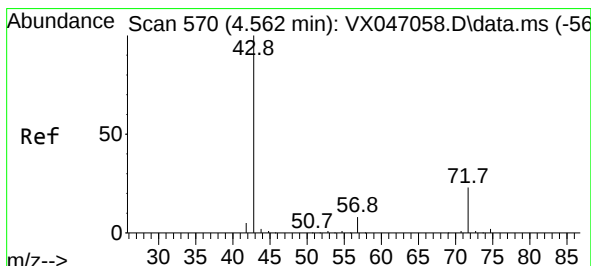
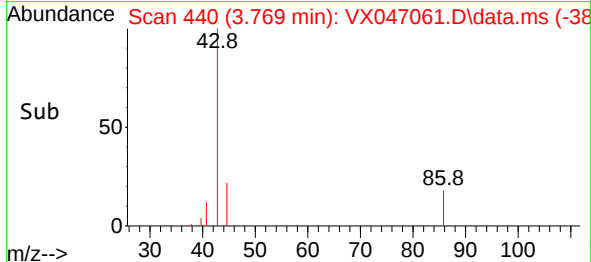
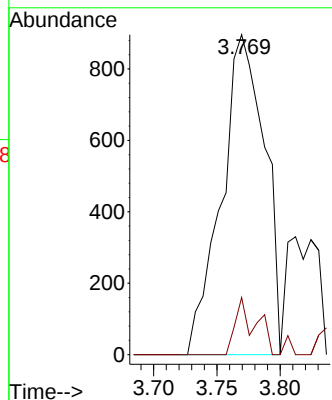
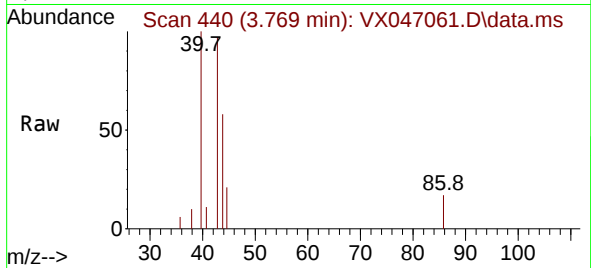




#23
 Vinyl Acetate
 Concen: 0.237 ug/l
 RT: 3.769 min Scan# 440
 Delta R.T. 0.037 min
 Lab File: VX047061.D
 Acq: 21 Jul 2025 11:52

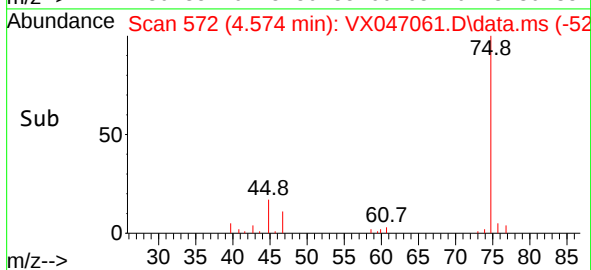
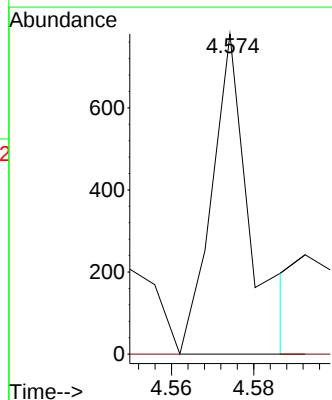
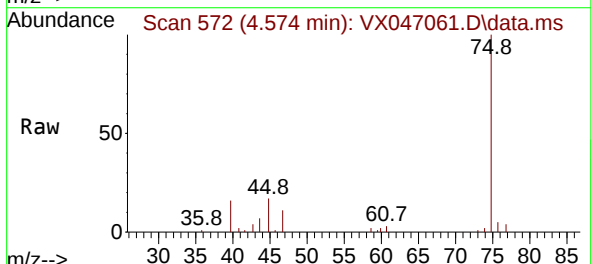
Instrument :
 MSVOA_X
 ClientSampleId :
 IBLK

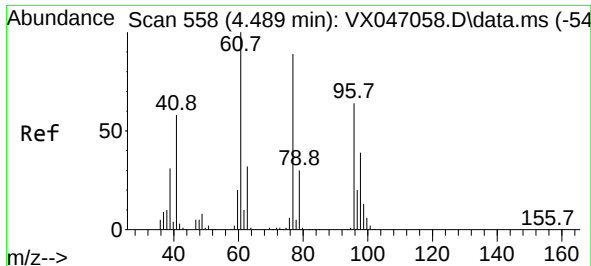
Tgt Ion: 43 Resp: 2121
 Ion Ratio Lower Upper
 43 100
 86 17.9 8.1 12.1#



#25
 2-Butanone
 Concen: 0.274 ug/l
 RT: 4.574 min Scan# 572
 Delta R.T. 0.012 min
 Lab File: VX047061.D
 Acq: 21 Jul 2025 11:52

Tgt Ion: 43 Resp: 509
 Ion Ratio Lower Upper
 43 100
 72 0.0 18.8 28.2#





#26

2,2-Dichloropropane

Concen: 0.219 ug/l

RT: 4.580 min Scan# 51

Delta R.T. 0.092 min

Lab File: VX047061.D

Acq: 21 Jul 2025 11:52

Instrument :

MSVOA_X

ClientSampleId :

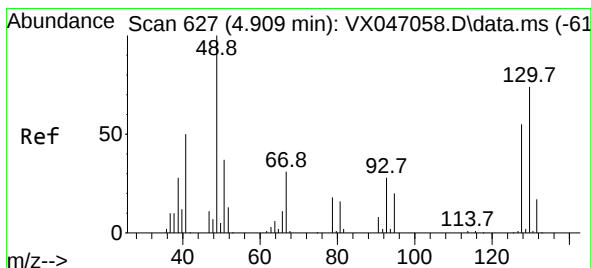
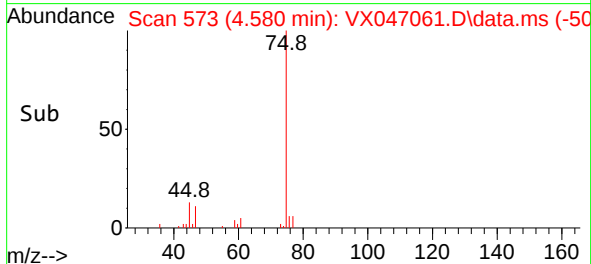
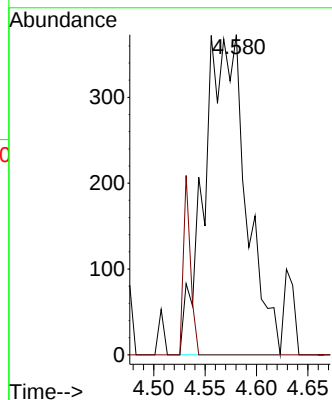
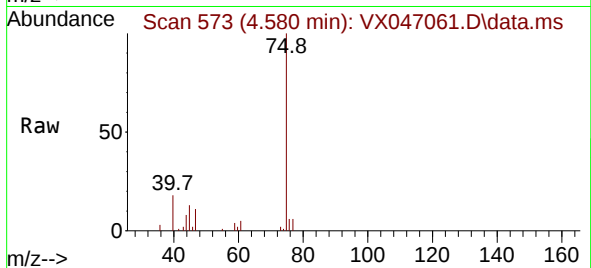
IBLK

Tgt Ion: 77 Resp: 1056

Ion Ratio Lower Upper

77 100

97 0.0 11.4 34.1#



#28

Bromochloromethane

Concen: 0.225 ug/l

RT: 4.922 min Scan# 629

Delta R.T. 0.012 min

Lab File: VX047061.D

Acq: 21 Jul 2025 11:52

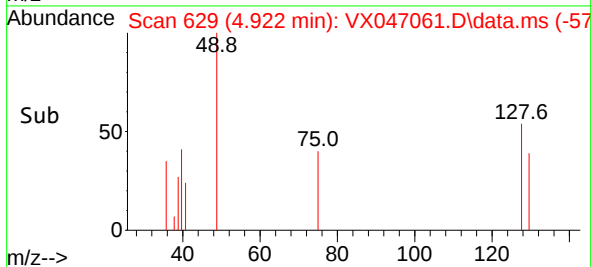
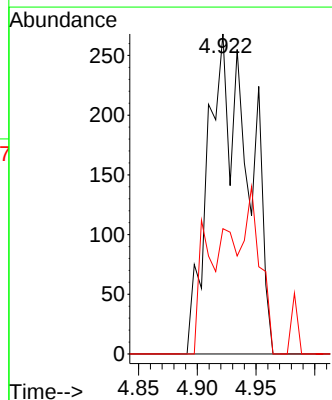
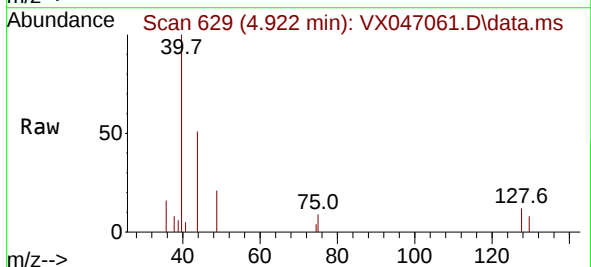
Tgt Ion: 49 Resp: 643

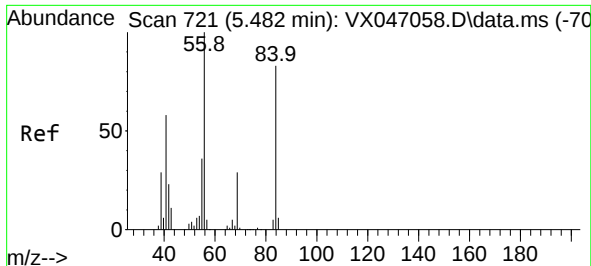
Ion Ratio Lower Upper

49 100

129 0.0 0.0 3.8

130 16.5 59.0 88.4#

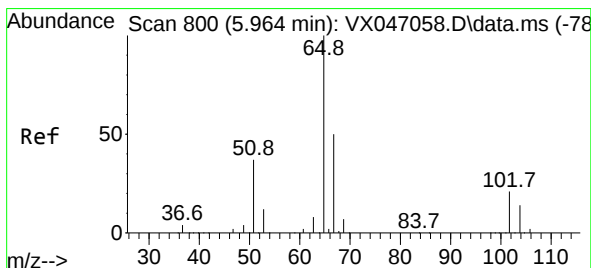
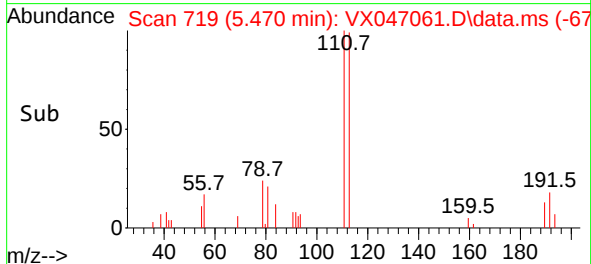
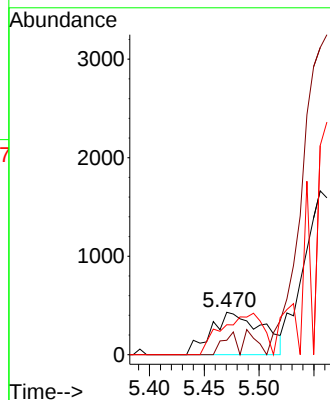
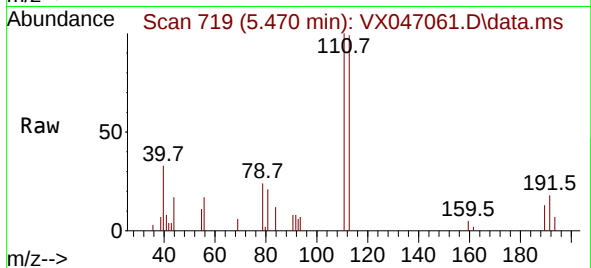




#31
Cyclohexane
Concen: 0.234 ug/l
RT: 5.470 min Scan# 721
Delta R.T. -0.012 min
Lab File: VX047061.D
Acq: 21 Jul 2025 11:52

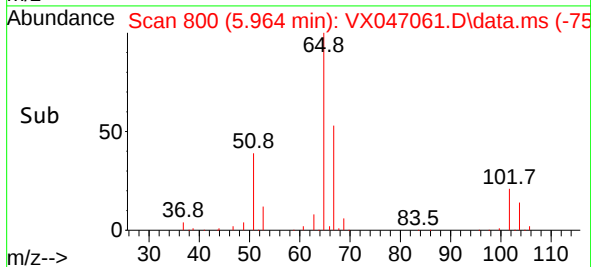
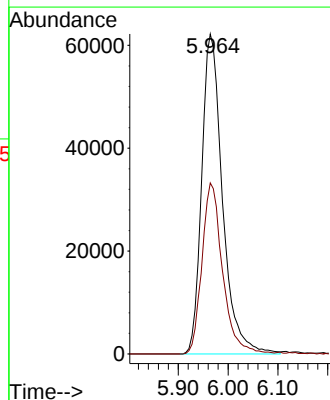
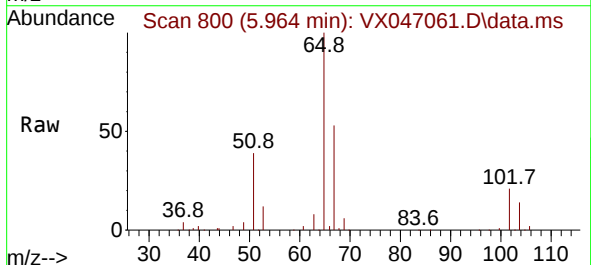
Instrument :
MSVOA_X
ClientSampleId :
IBLK

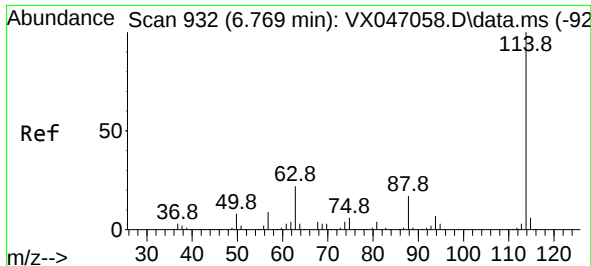
Tgt Ion: 56 Resp: 1397
Ion Ratio Lower Upper
56 100
69 33.9 23.3 34.9
84 70.8 66.5 99.7



#33
1,2-Dichloroethane-d4
Concen: 56.512 ug/l
RT: 5.964 min Scan# 800
Delta R.T. 0.000 min
Lab File: VX047061.D
Acq: 21 Jul 2025 11:52

Tgt Ion: 65 Resp: 180148
Ion Ratio Lower Upper
65 100
67 53.0 0.0 104.8

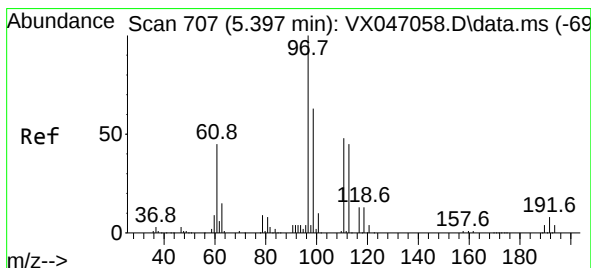
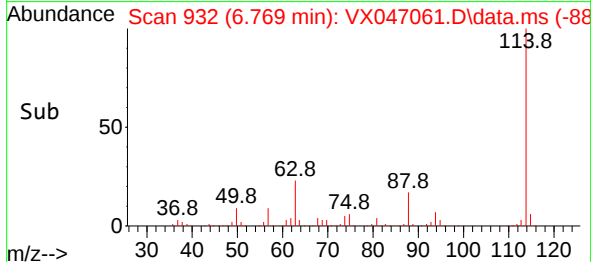
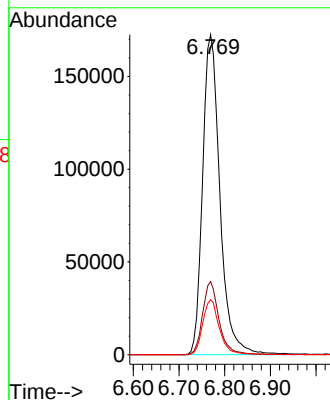
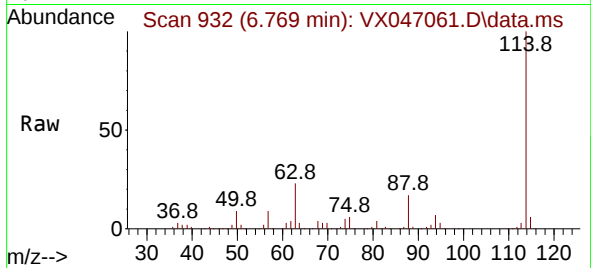




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 911
Delta R.T. 0.000 min
Lab File: VX047061.D
Acq: 21 Jul 2025 11:52

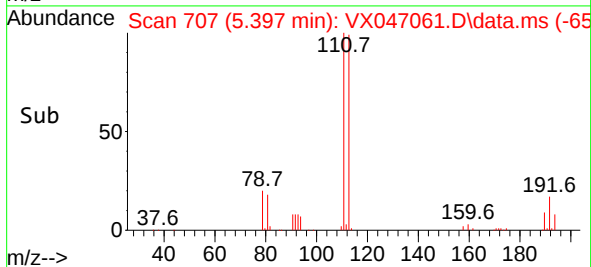
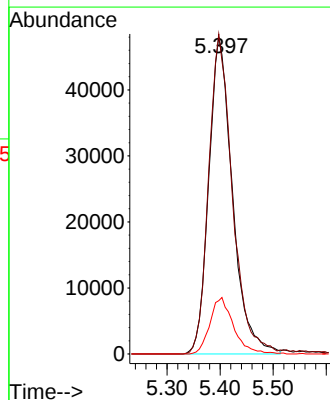
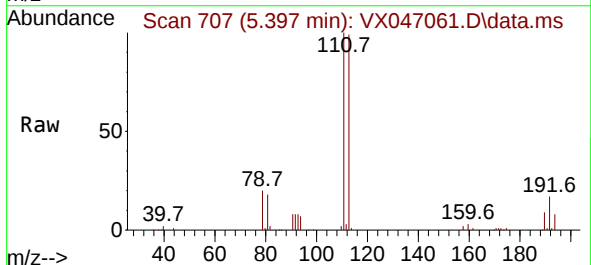
Instrument :
MSVOA_X
ClientSampleId :
IBLK

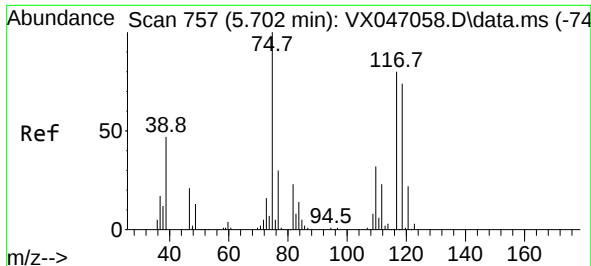
Tgt Ion:114 Resp: 453508
Ion Ratio Lower Upper
114 100
63 25.7 0.0 43.2
88 17.2 0.0 33.8



#35
Dibromofluoromethane
Concen: 53.282 ug/l
RT: 5.397 min Scan# 707
Delta R.T. 0.000 min
Lab File: VX047061.D
Acq: 21 Jul 2025 11:52

Tgt Ion:113 Resp: 149194
Ion Ratio Lower Upper
113 100
111 101.0 82.6 124.0
192 17.8 14.9 22.3

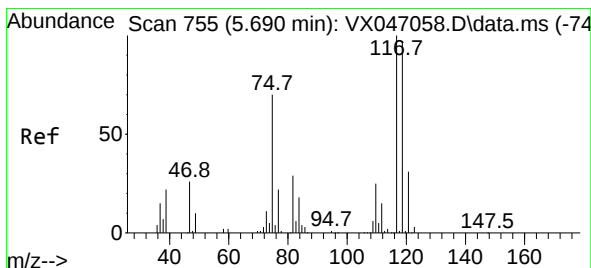
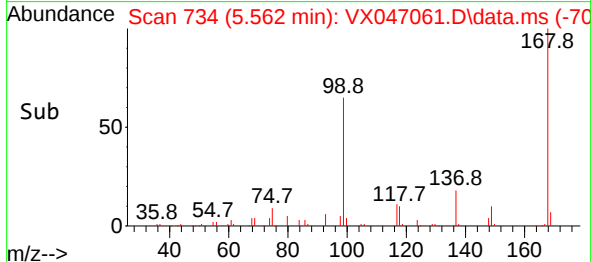
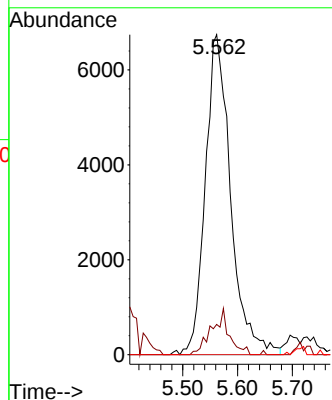
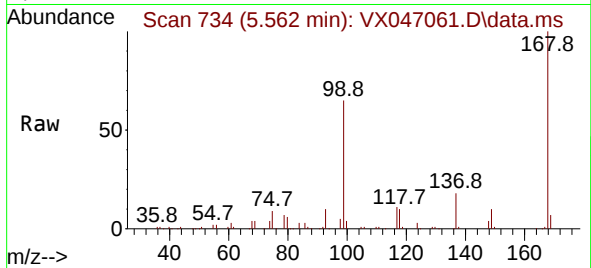




#36
 1,1-Dichloropropene
 Concen: 4.533 ug/l
 RT: 5.562 min Scan# 714
 Delta R.T. -0.140 min
 Lab File: VX047061.D
 Acq: 21 Jul 2025 11:52

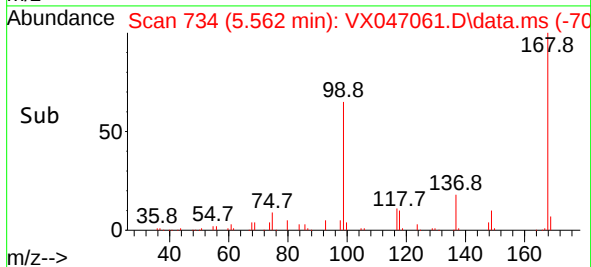
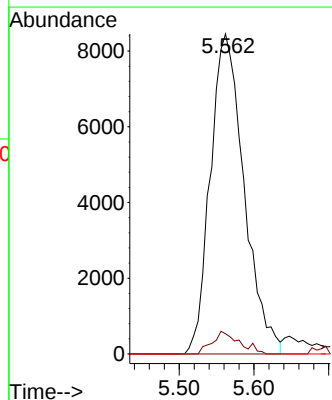
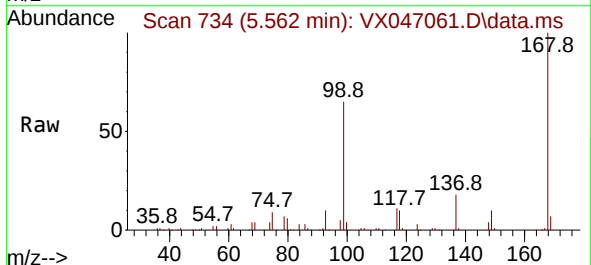
Instrument :
 MSVOA_X
 ClientSampleId :
 IBLK

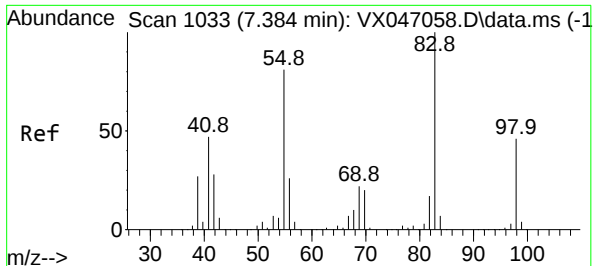
Tgt Ion: 75 Resp: 21638
 Ion Ratio Lower Upper
 75 100
 110 10.0 17.2 51.5#
 77 0.0 25.1 37.7#



#38
 Carbon Tetrachloride
 Concen: 5.201 ug/l
 RT: 5.562 min Scan# 734
 Delta R.T. -0.128 min
 Lab File: VX047061.D
 Acq: 21 Jul 2025 11:52

Tgt Ion: 117 Resp: 26498
 Ion Ratio Lower Upper
 117 100
 119 6.3 76.6 115.0#
 121 0.0 24.4 36.6#





#39

Methylcyclohexane

Concen: 0.436 ug/l

RT: 7.391 min Scan# 1034

Delta R.T. 0.006 min

Lab File: VX047061.D

Acq: 21 Jul 2025 11:52

Instrument :

MSVOA_X

ClientSampleId :

IBLK

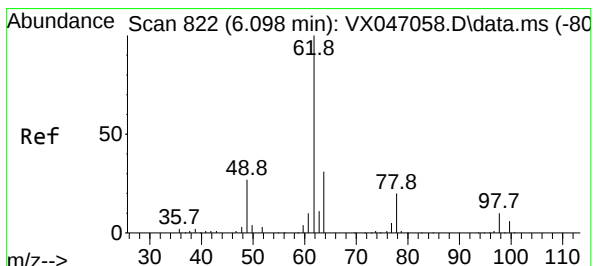
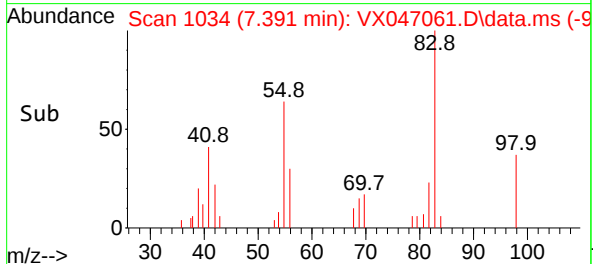
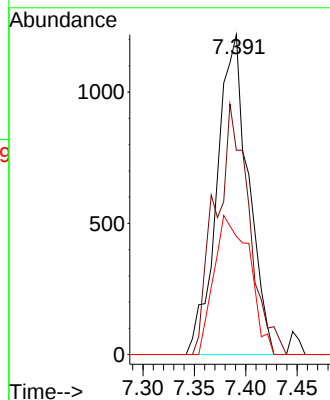
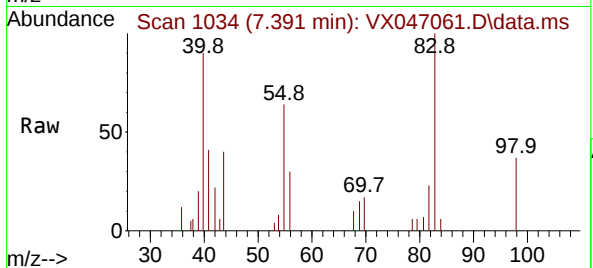
Tgt Ion: 83 Resp: 2598

Ion Ratio Lower Upper

83 100

55 63.9 64.5 96.7#

98 36.9 36.9 55.3



#42

1,2-Dichloroethane

Concen: 0.221 ug/l

RT: 6.111 min Scan# 824

Delta R.T. 0.012 min

Lab File: VX047061.D

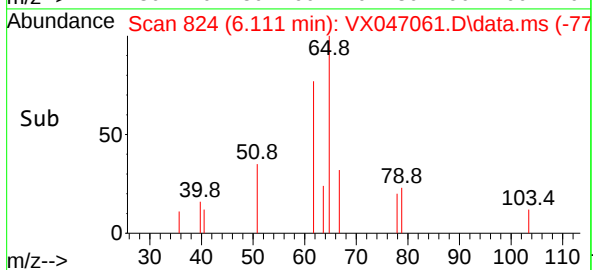
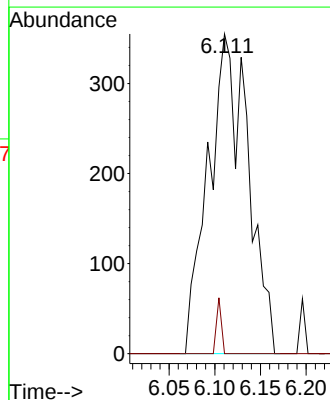
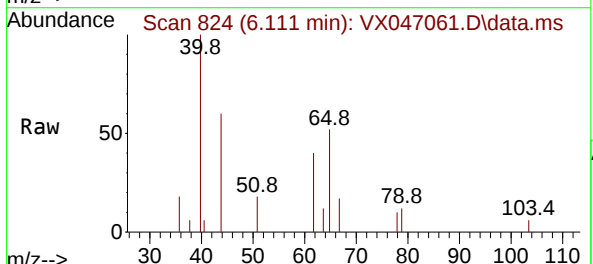
Acq: 21 Jul 2025 11:52

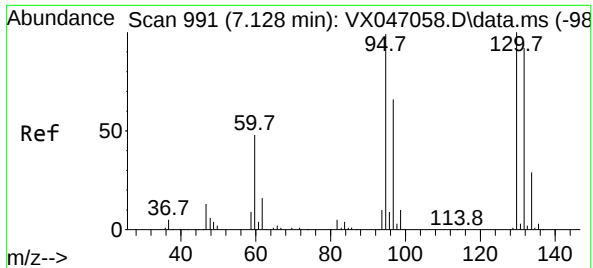
Tgt Ion: 62 Resp: 1075

Ion Ratio Lower Upper

62 100

98 2.1 0.0 18.8

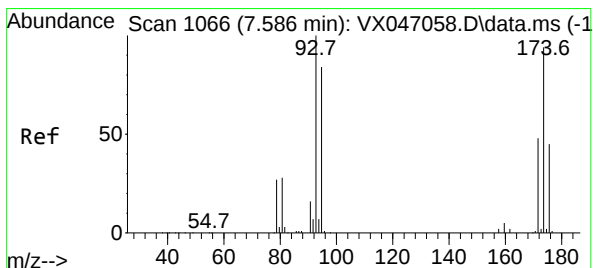
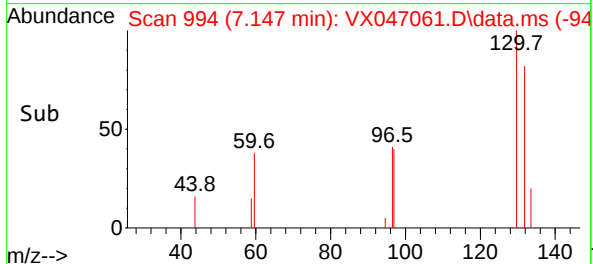
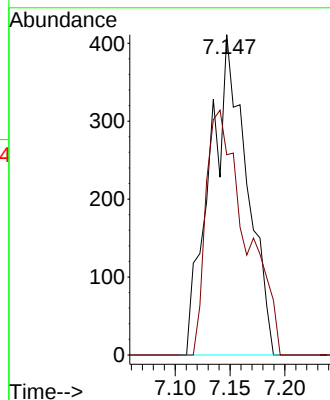
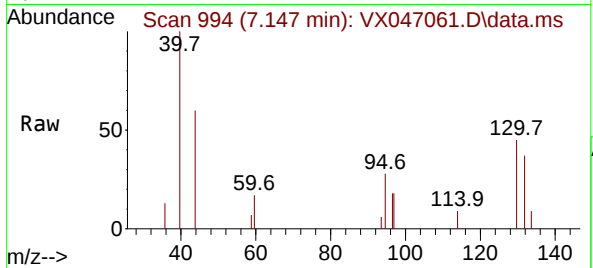




#44
Trichloroethene
Concen: 0.273 ug/l
RT: 7.147 min Scan# 994
Delta R.T. 0.019 min
Lab File: VX047061.D
Acq: 21 Jul 2025 11:52

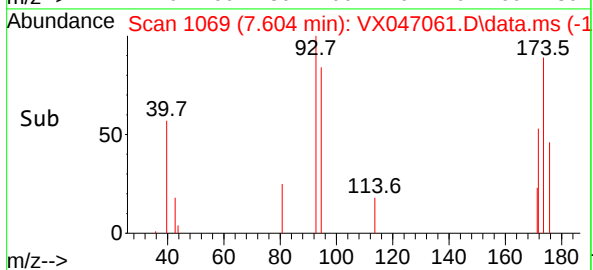
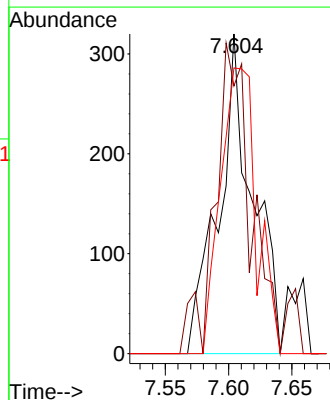
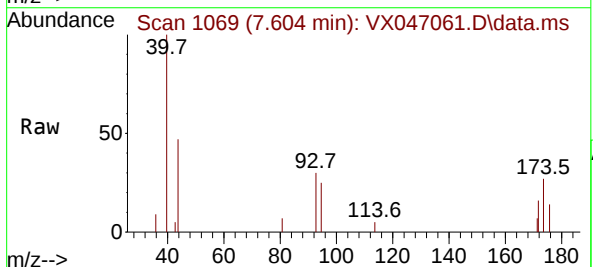
Instrument :
MSVOA_X
ClientSampleId :
IBLK

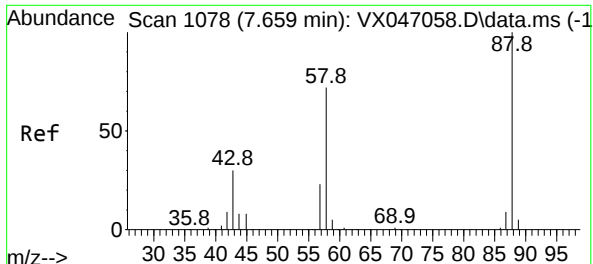
Tgt Ion:130 Resp: 966
Ion Ratio Lower Upper
130 100
95 62.5 0.0 198.6



#46
Dibromomethane
Concen: 0.247 ug/l
RT: 7.604 min Scan# 1069
Delta R.T. 0.019 min
Lab File: VX047061.D
Acq: 21 Jul 2025 11:52

Tgt Ion: 93 Resp: 599
Ion Ratio Lower Upper
93 100
95 101.5 65.9 98.9#
174 94.7 74.6 112.0





#49

1,4-Dioxane

Concen: 1.954 ug/l

RT: 7.683 min Scan# 1082

Delta R.T. 0.025 min

Lab File: VX047061.D

Acq: 21 Jul 2025 11:52

Instrument :

MSVOA_X

ClientSampleId :

IBLK

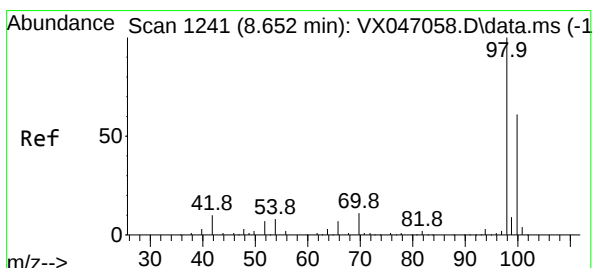
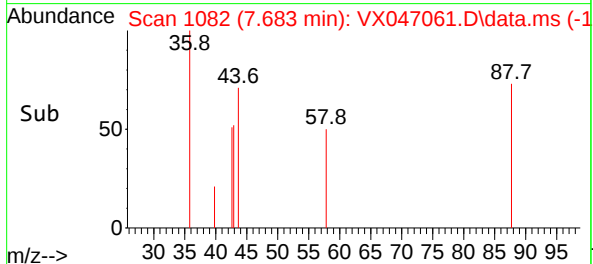
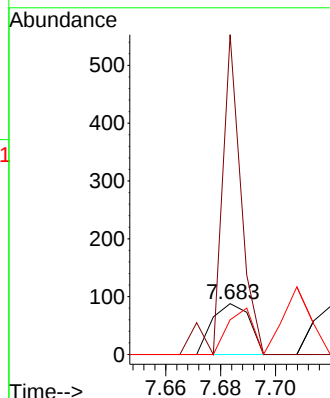
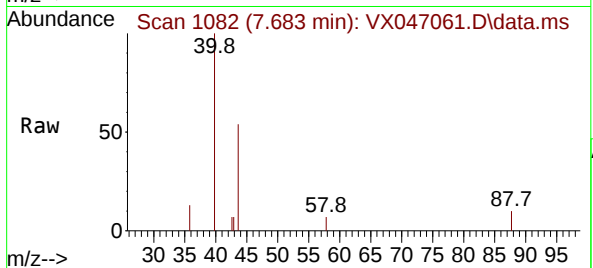
Tgt Ion: 88 Resp: 83

Ion Ratio Lower Upper

88 100

43 327.7 33.6 50.4#

58 61.4 58.8 88.2



#50

Toluene-d8

Concen: 60.903 ug/l

RT: 8.653 min Scan# 1241

Delta R.T. 0.000 min

Lab File: VX047061.D

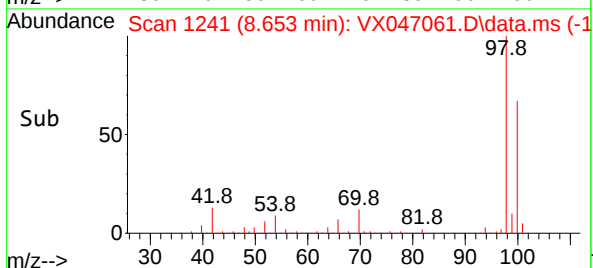
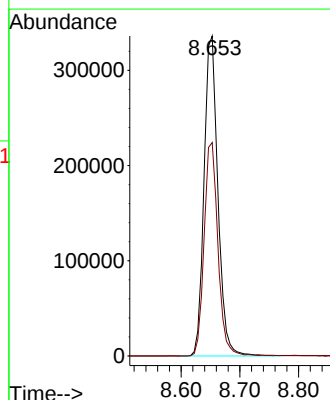
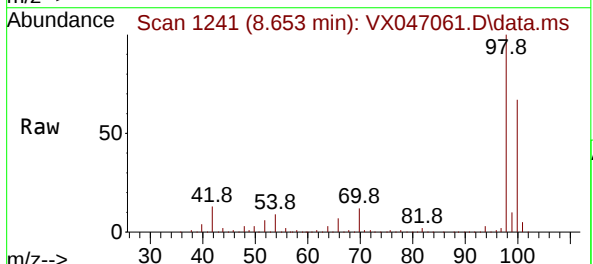
Acq: 21 Jul 2025 11:52

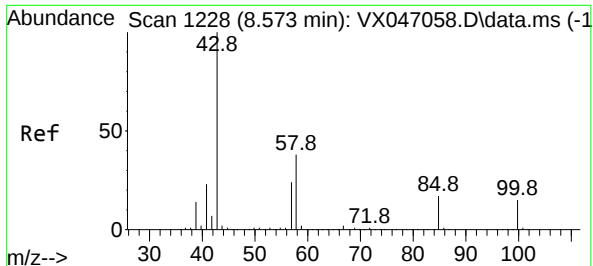
Tgt Ion: 98 Resp: 552275

Ion Ratio Lower Upper

98 100

100 66.7 53.3 79.9





#51

4-Methyl-2-Pentanone

Concen: 0.515 ug/l

RT: 8.573 min Scan# 1228

Delta R.T. 0.000 min

Lab File: VX047061.D

Acq: 21 Jul 2025 11:52

Instrument :

MSVOA_X

ClientSampleId :

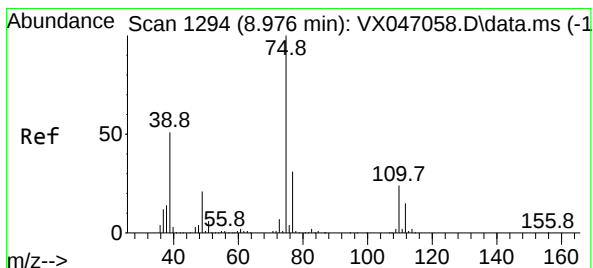
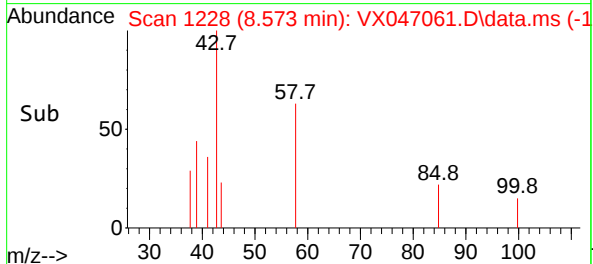
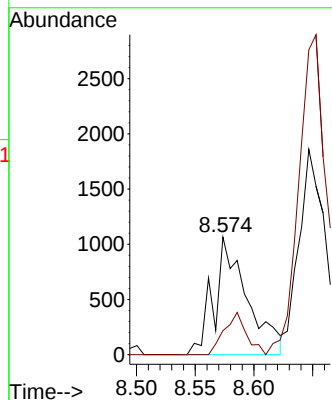
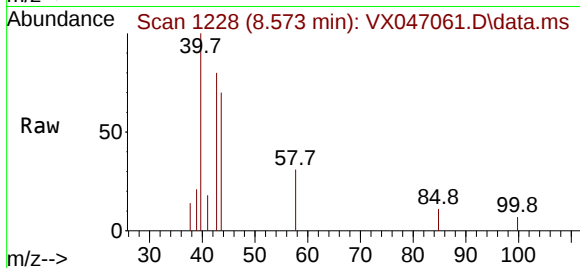
IBLK

Tgt Ion: 43 Resp: 2097

Ion Ratio Lower Upper

43 100

58 24.0 30.6 45.8#



#53

t-1,3-Dichloropropene

Concen: 0.264 ug/l

RT: 9.000 min Scan# 1298

Delta R.T. 0.025 min

Lab File: VX047061.D

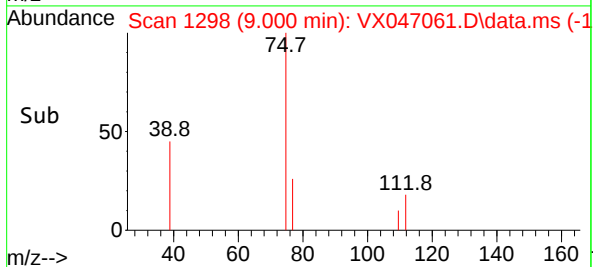
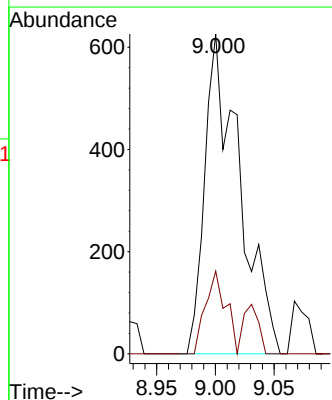
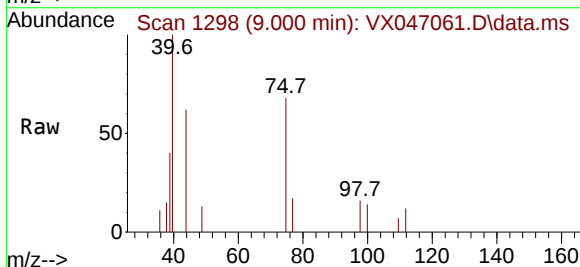
Acq: 21 Jul 2025 11:52

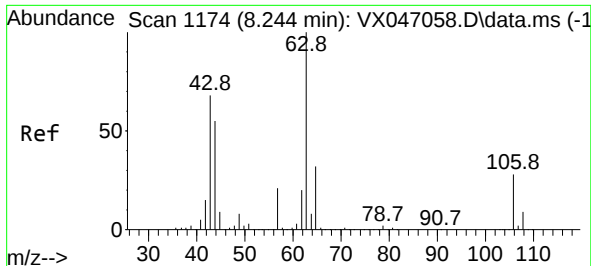
Tgt Ion: 75 Resp: 1287

Ion Ratio Lower Upper

75 100

77 25.9 24.5 36.7

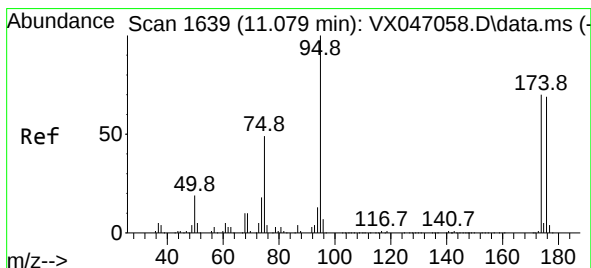
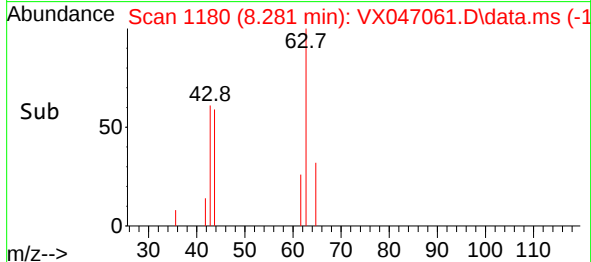
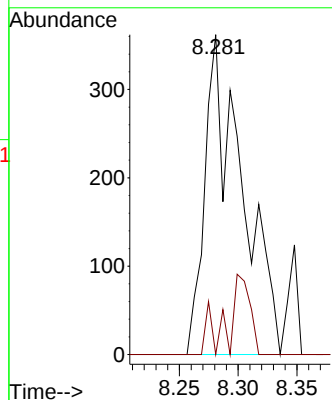
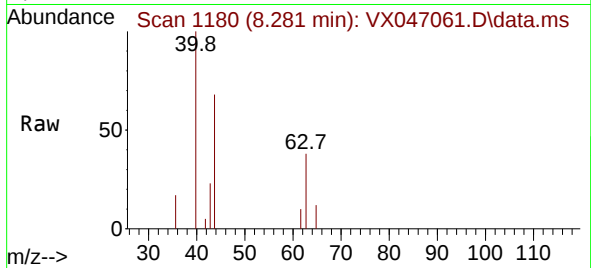




#58
2-Chloroethyl Vinyl ether
Concen: 0.302 ug/l
RT: 8.281 min Scan# 1174
Delta R.T. 0.037 min
Lab File: VX047061.D
Acq: 21 Jul 2025 11:52

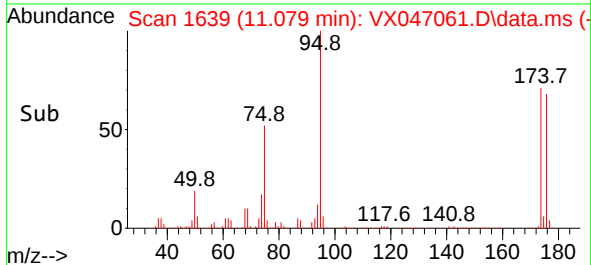
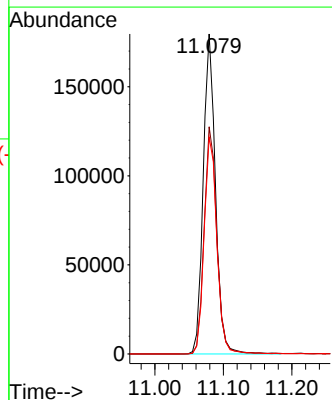
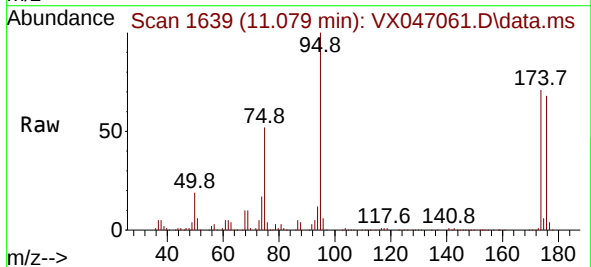
Instrument :
MSVOA_X
ClientSampleId :
IBLK

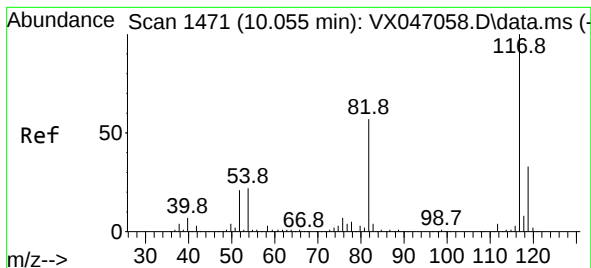
Tgt Ion: 63 Resp: 792
Ion Ratio Lower Upper
63 100
106 2.8 22.2 33.4#



#62
4-Bromofluorobenzene
Concen: 57.171 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX047061.D
Acq: 21 Jul 2025 11:52

Tgt Ion: 95 Resp: 223416
Ion Ratio Lower Upper
95 100
174 73.6 0.0 144.6
176 70.7 0.0 139.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.055 min Scan# 1471

Delta R.T. 0.000 min

Lab File: VX047061.D

Acq: 21 Jul 2025 11:52

Instrument :

MSVOA_X

ClientSampleId :

IBLK

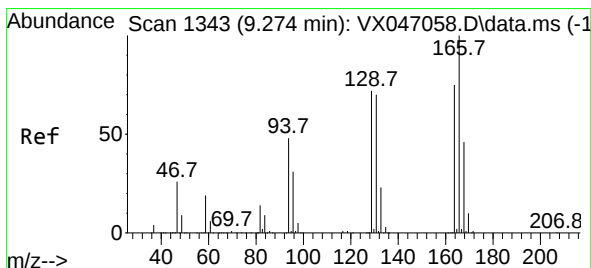
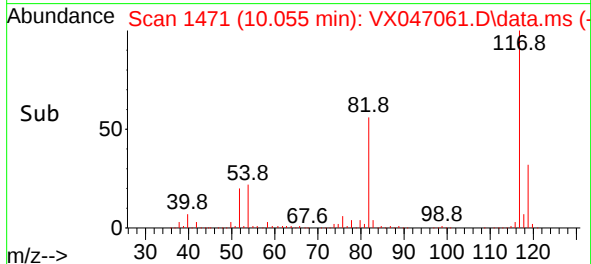
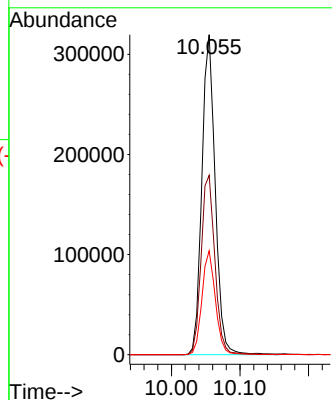
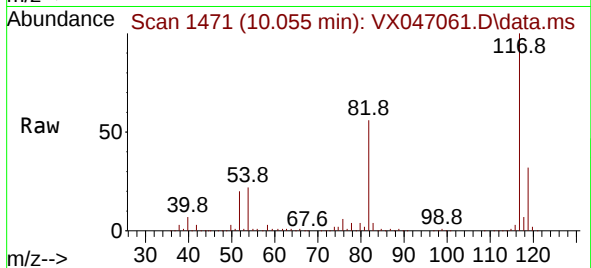
Tgt Ion:117 Resp: 434520

Ion Ratio Lower Upper

117 100

82 56.0 45.4 68.2

119 32.5 26.1 39.1



#64

Tetrachloroethene

Concen: 0.351 ug/l

RT: 9.275 min Scan# 1343

Delta R.T. 0.000 min

Lab File: VX047061.D

Acq: 21 Jul 2025 11:52

Tgt Ion:164 Resp: 1098

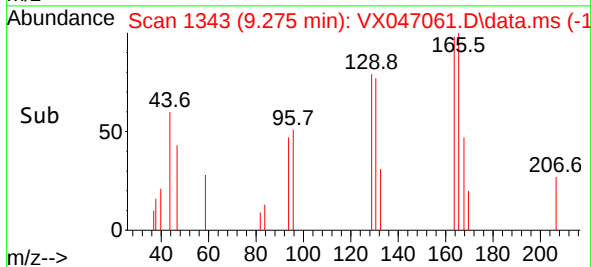
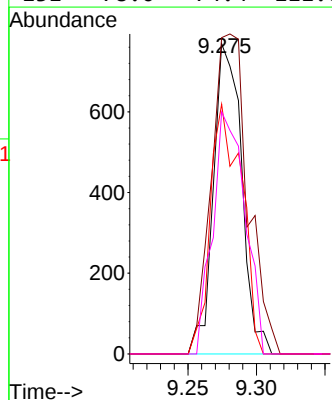
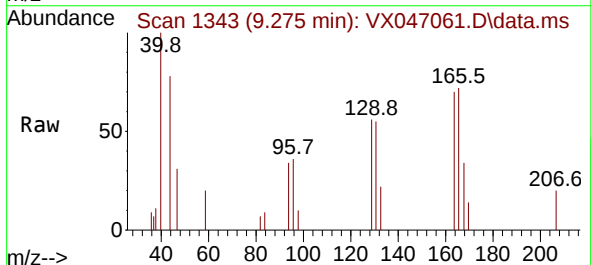
Ion Ratio Lower Upper

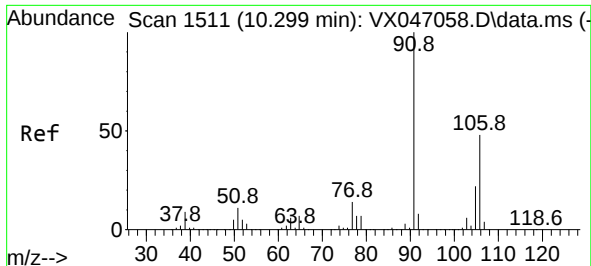
164 100

166 102.0 106.2 159.4#

129 80.5 76.6 114.8

131 78.0 74.4 111.6

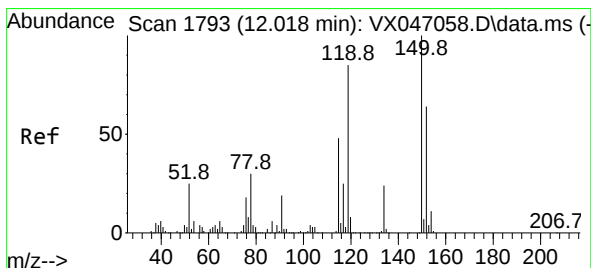
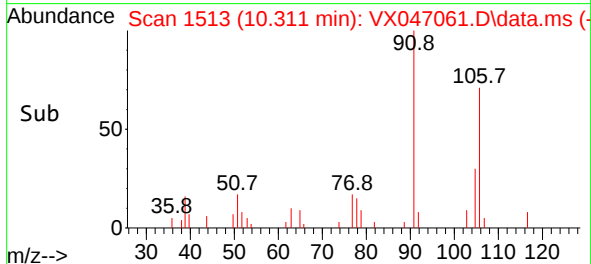
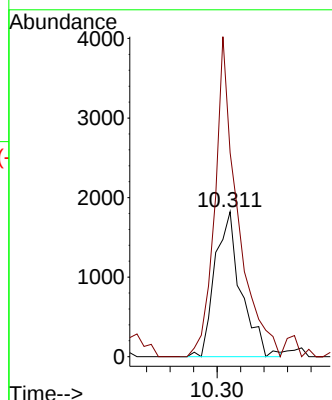
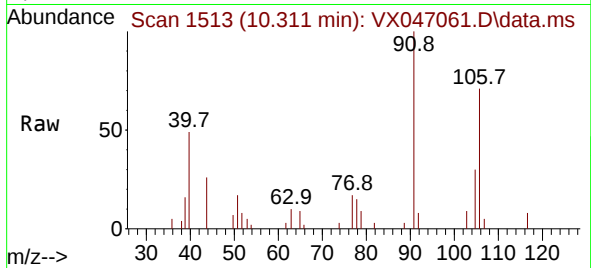




#68
m/p-Xylenes
Concen: 0.420 ug/l
RT: 10.311 min Scan# 1511
Delta R.T. 0.012 min
Lab File: VX047061.D
Acq: 21 Jul 2025 11:52

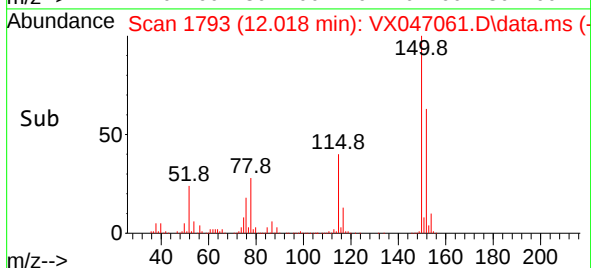
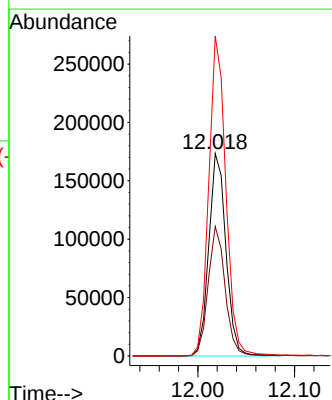
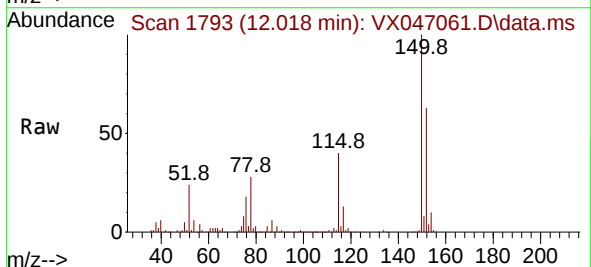
Instrument :
MSVOA_X
ClientSampleId :
IBLK

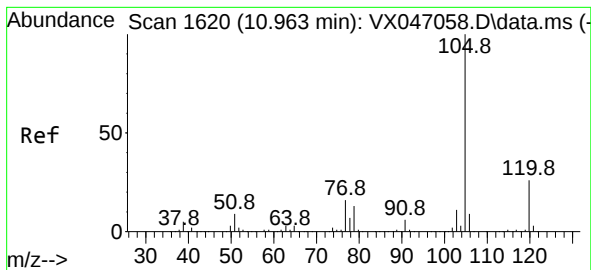
Tgt Ion:106 Resp: 2798
Ion Ratio Lower Upper
106 100
91 191.1 167.4 251.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. 0.000 min
Lab File: VX047061.D
Acq: 21 Jul 2025 11:52

Tgt Ion:152 Resp: 214588
Ion Ratio Lower Upper
152 100
115 63.3 45.6 136.7
150 156.9 0.0 354.6





#73

Isopropylbenzene

Concen: 0.263 ug/l

RT: 10.963 min Scan# 1639

Delta R.T. 0.000 min

Lab File: VX047061.D

Acq: 21 Jul 2025 11:52

Instrument :

MSVOA_X

ClientSampleId :

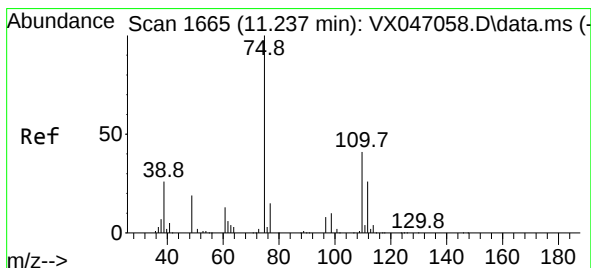
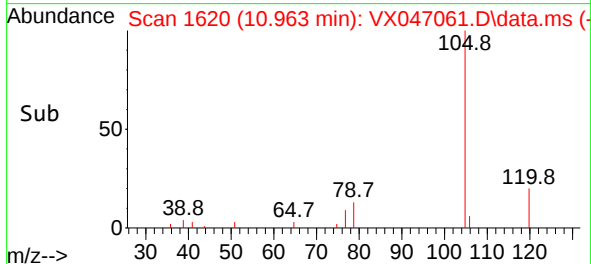
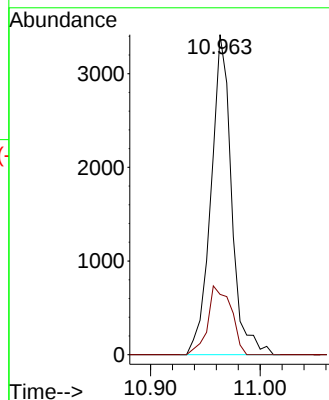
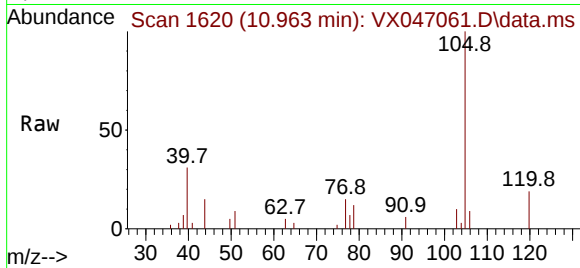
IBLK

Tgt Ion:105 Resp: 4447

Ion Ratio Lower Upper

105 100

120 24.3 12.9 38.7



#76

1,2,3-Trichloropropane

Concen: 29.570 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.158 min

Lab File: VX047061.D

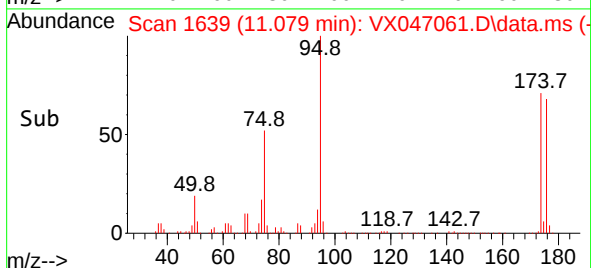
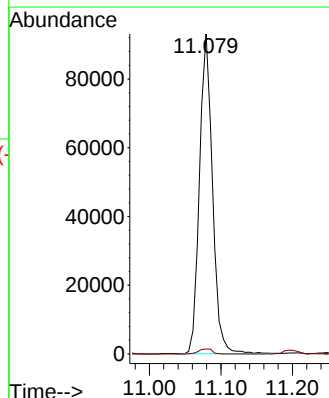
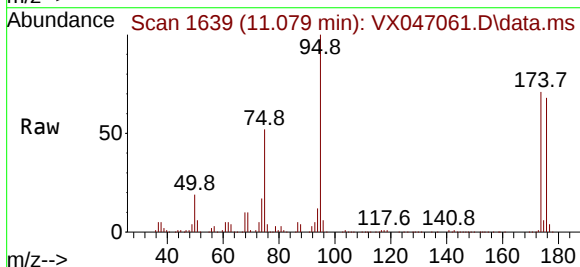
Acq: 21 Jul 2025 11:52

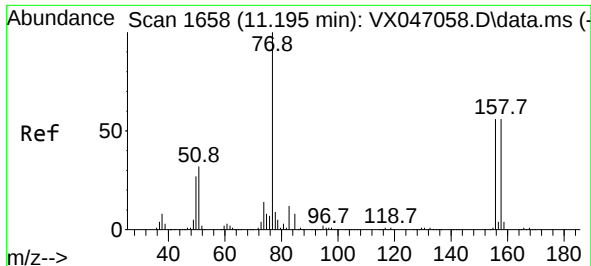
Tgt Ion: 75 Resp: 117450

Ion Ratio Lower Upper

75 100

77 1.7 21.6 65.0#

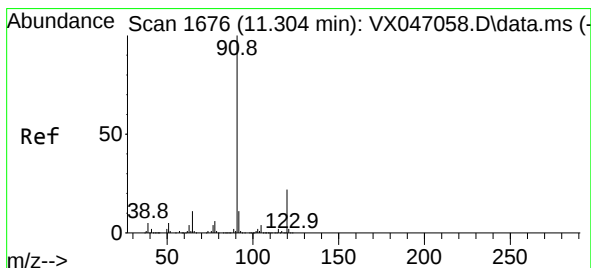
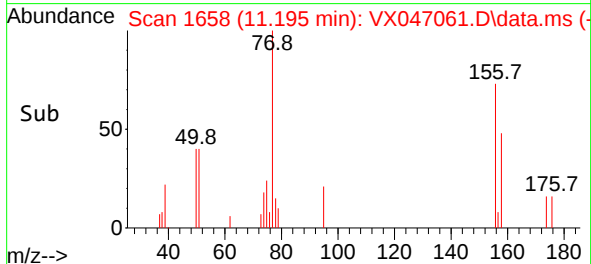
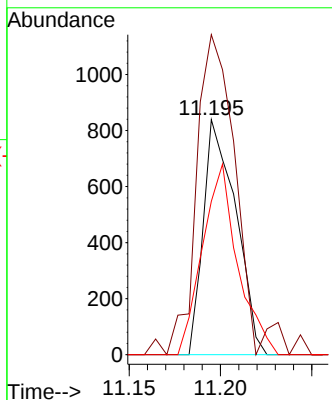
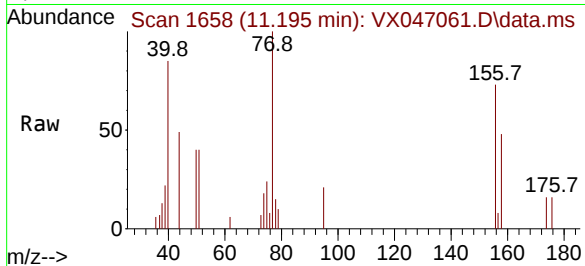




#77
Bromobenzene
Concen: 0.255 ug/l
RT: 11.195 min Scan# 1658
Delta R.T. 0.000 min
Lab File: VX047061.D
Acq: 21 Jul 2025 11:52

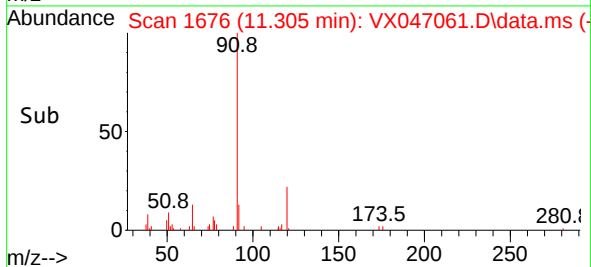
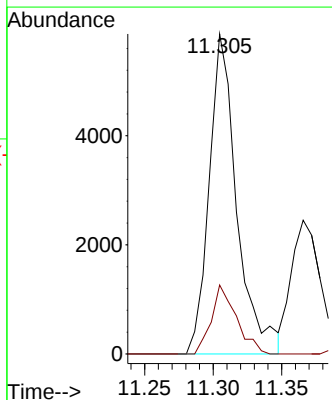
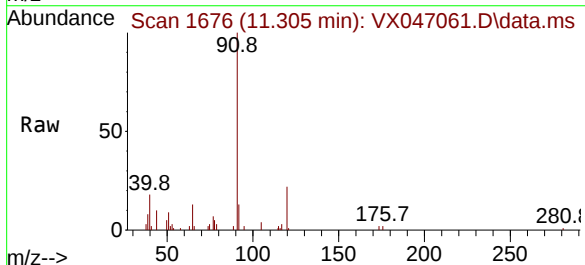
Instrument :
MSVOA_X
ClientSampleId :
IBLK

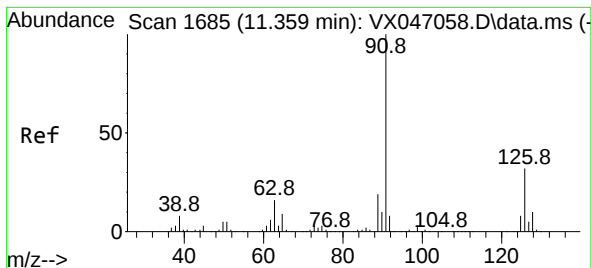
Tgt Ion:156 Resp: 1037
Ion Ratio Lower Upper
156 100
77 162.2 87.3 261.9
158 88.0 48.9 146.6



#78
n-propylbenzene
Concen: 0.407 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. 0.000 min
Lab File: VX047061.D
Acq: 21 Jul 2025 11:52

Tgt Ion: 91 Resp: 8227
Ion Ratio Lower Upper
91 100
120 19.5 11.0 33.0





#79

2-Chlorotoluene

Concen: 0.306 ug/l

RT: 11.366 min Scan# 1

Delta R.T. 0.006 min

Lab File: VX047061.D

Acq: 21 Jul 2025 11:52

Instrument :

MSVOA_X

ClientSampleId :

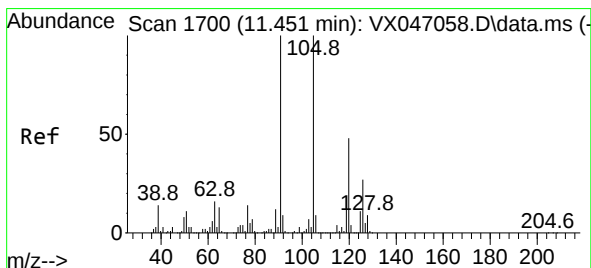
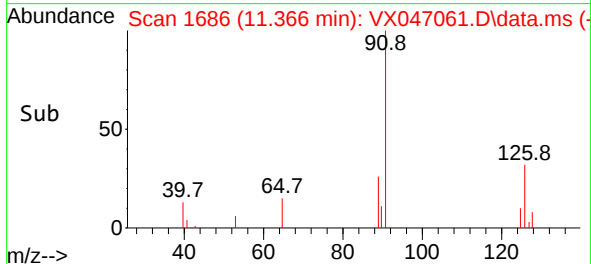
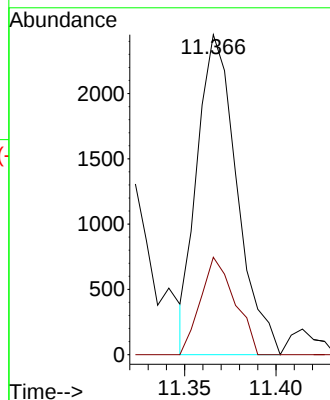
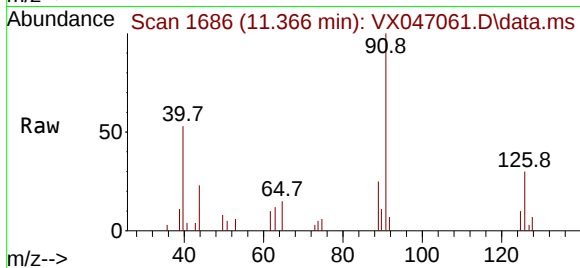
IBLK

Tgt Ion: 91 Resp: 3697

Ion Ratio Lower Upper

91 100

126 26.4 16.4 49.4



#80

1,3,5-Trimethylbenzene

Concen: 0.346 ug/l

RT: 11.451 min Scan# 1700

Delta R.T. 0.000 min

Lab File: VX047061.D

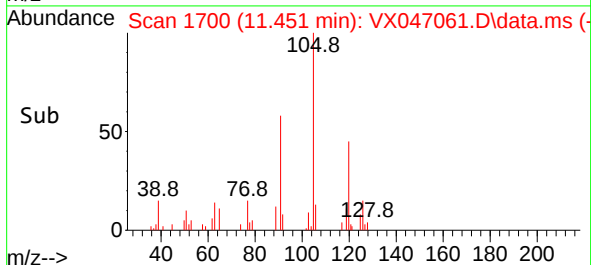
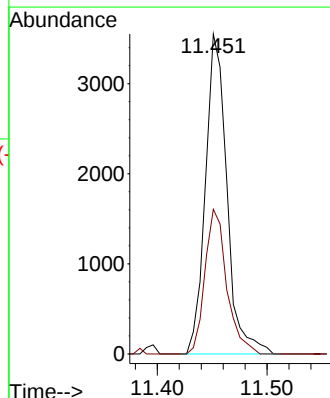
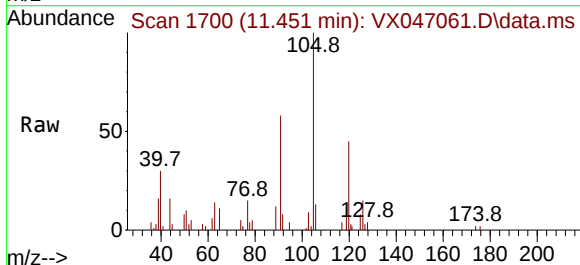
Acq: 21 Jul 2025 11:52

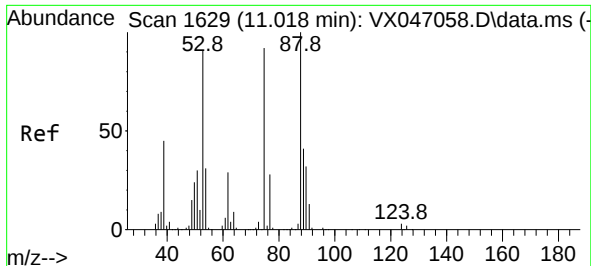
Tgt Ion: 105 Resp: 4834

Ion Ratio Lower Upper

105 100

120 45.9 23.8 71.5

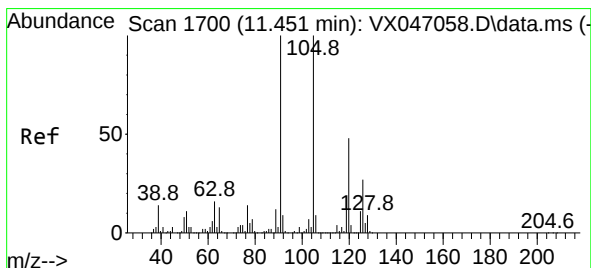
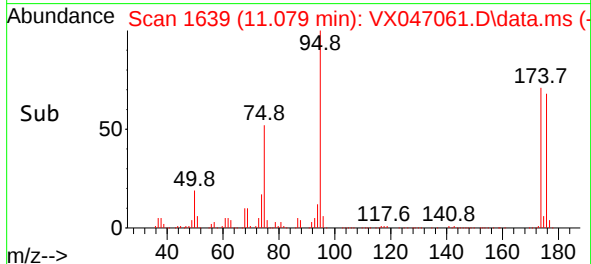
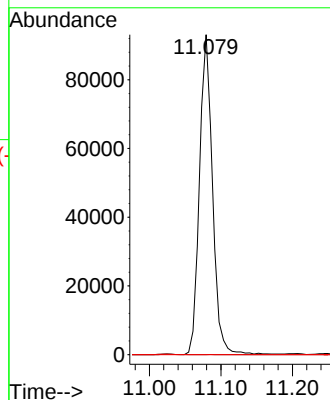
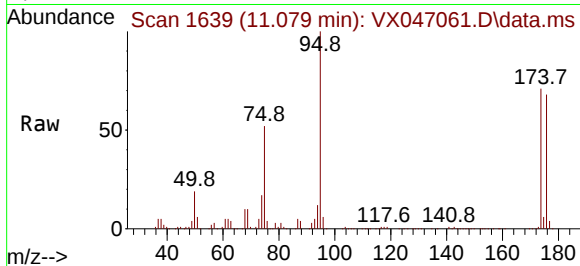




#81
trans-1,4-Dichloro-2-butene
Concen: 76.184 ug/l
RT: 11.079 min Scan# 117450
Delta R.T. 0.061 min
Lab File: VX047061.D
Acq: 21 Jul 2025 11:52

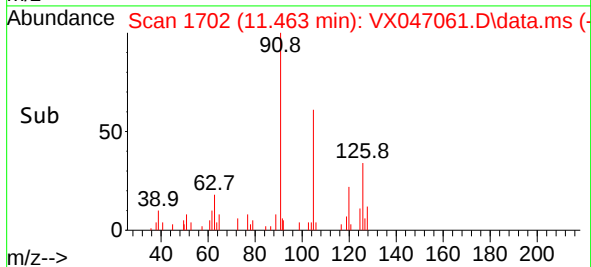
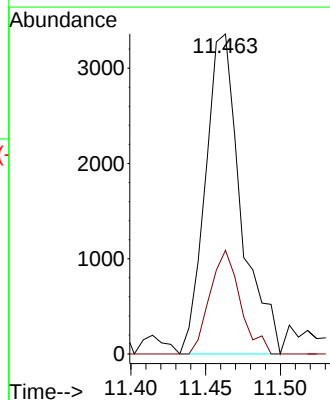
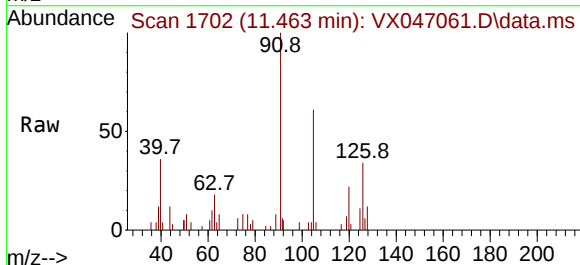
Instrument :
MSVOA_X
ClientSampleId :
IBLK

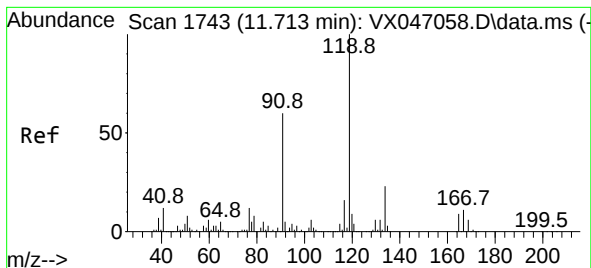
Tgt Ion: 75 Resp: 117450
Ion Ratio Lower Upper
75 100
53 0.0 84.2 126.4#
89 0.0 36.0 54.0#



#82
4-Chlorotoluene
Concen: 0.393 ug/l
RT: 11.463 min Scan# 1702
Delta R.T. 0.012 min
Lab File: VX047061.D
Acq: 21 Jul 2025 11:52

Tgt Ion: 91 Resp: 5554
Ion Ratio Lower Upper
91 100
126 27.6 14.1 42.3





#83

tert-Butylbenzene

Concen: 0.411 ug/l

RT: 11.713 min Scan# 1743

Delta R.T. 0.000 min

Lab File: VX047061.D

Acq: 21 Jul 2025 11:52

Instrument :

MSVOA_X

ClientSampleId :

IBLK

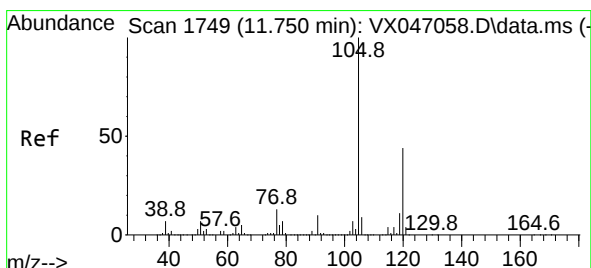
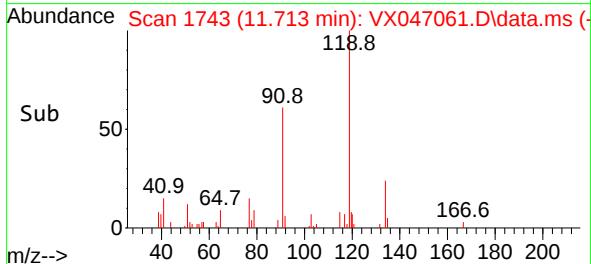
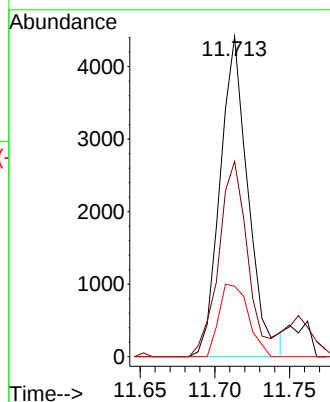
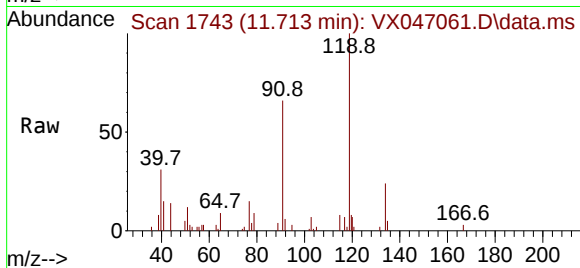
Tgt Ion:119 Resp: 5772

Ion Ratio Lower Upper

119 100

91 62.7 29.6 88.8

134 23.6 11.4 34.1



#84

1,2,4-Trimethylbenzene

Concen: 0.339 ug/l

RT: 11.756 min Scan# 1750

Delta R.T. 0.006 min

Lab File: VX047061.D

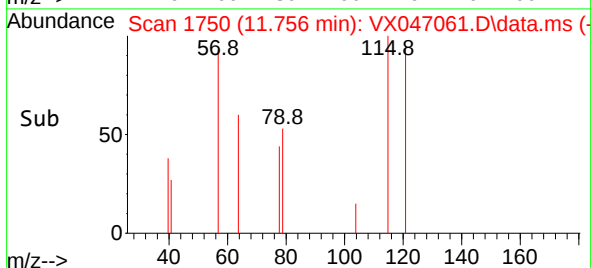
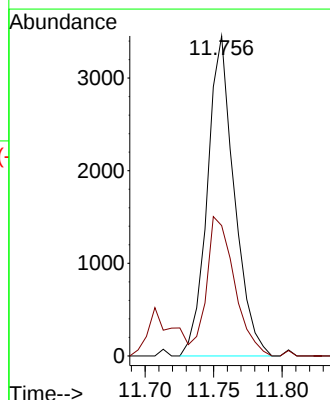
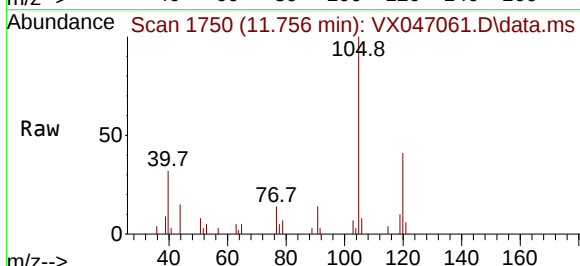
Acq: 21 Jul 2025 11:52

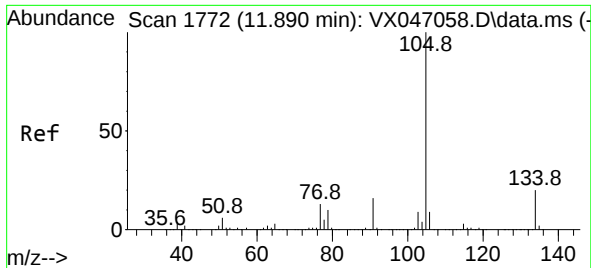
Tgt Ion:105 Resp: 4723

Ion Ratio Lower Upper

105 100

120 45.0 22.0 66.0

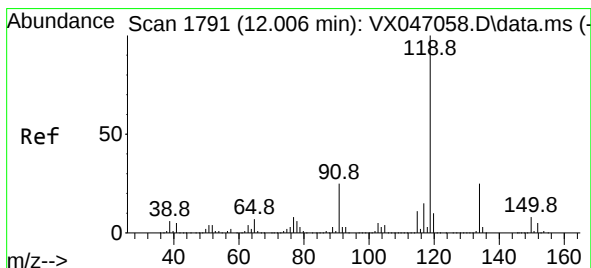
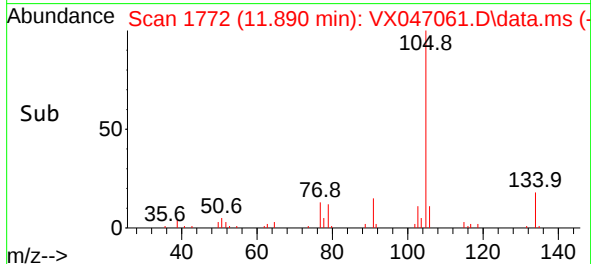
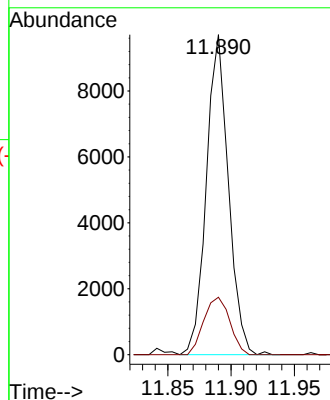
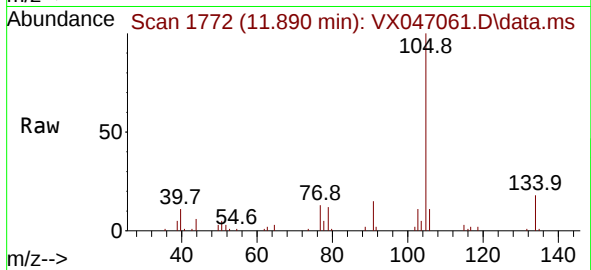




#85
 sec-Butylbenzene
 Concen: 0.670 ug/l
 RT: 11.890 min Scan# 1772
 Delta R.T. 0.000 min
 Lab File: VX047061.D
 Acq: 21 Jul 2025 11:52

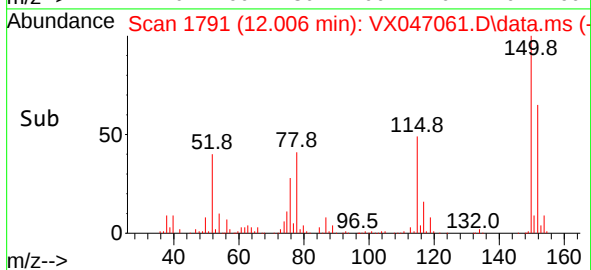
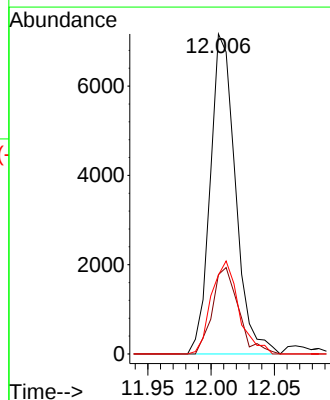
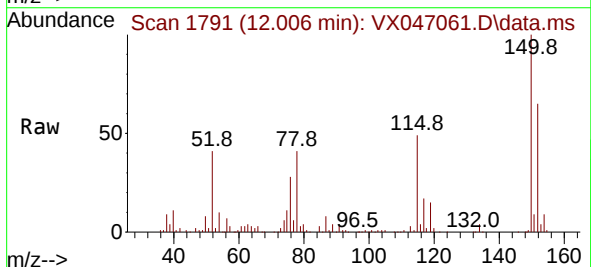
Instrument :
 MSVOA_X
 ClientSampleId :
 IBLK

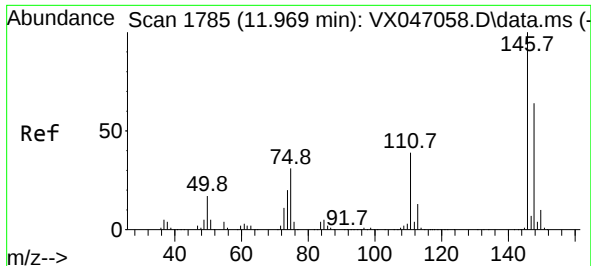
Tgt Ion:105 Resp: 11759
 Ion Ratio Lower Upper
 105 100
 134 21.1 9.9 29.7



#86
 p-Isopropyltoluene
 Concen: 0.682 ug/l
 RT: 12.006 min Scan# 1791
 Delta R.T. 0.000 min
 Lab File: VX047061.D
 Acq: 21 Jul 2025 11:52

Tgt Ion:119 Resp: 9921
 Ion Ratio Lower Upper
 119 100
 134 28.0 12.8 38.4
 91 31.6 12.4 37.4





#87

1,3-Dichlorobenzene

Concen: 0.544 ug/l

RT: 11.975 min Scan# 1786

Delta R.T. 0.006 min

Lab File: VX047061.D

Acq: 21 Jul 2025 11:52

Instrument :

MSVOA_X

ClientSampleId :

IBLK

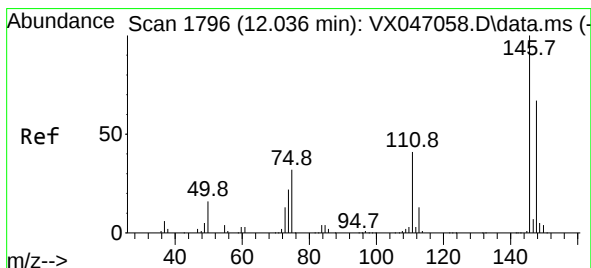
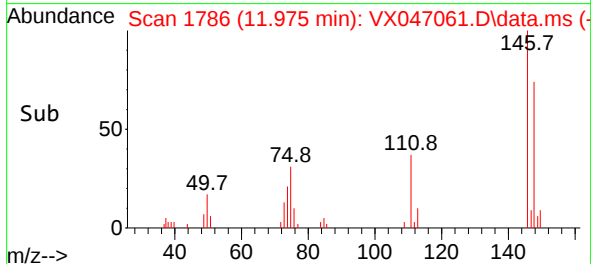
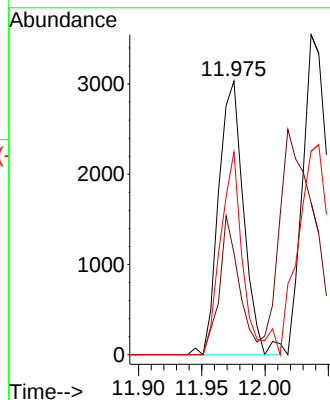
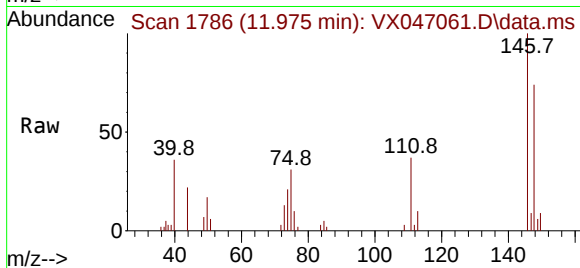
Tgt Ion:146 Resp: 4195

Ion Ratio Lower Upper

146 100

111 39.8 21.0 63.0

148 63.4 32.0 96.0



#88

1,4-Dichlorobenzene

Concen: 0.537 ug/l

RT: 11.975 min Scan# 1786

Delta R.T. -0.061 min

Lab File: VX047061.D

Acq: 21 Jul 2025 11:52

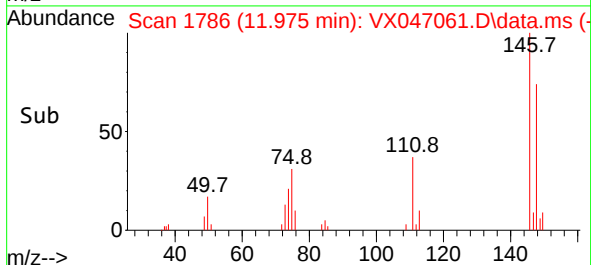
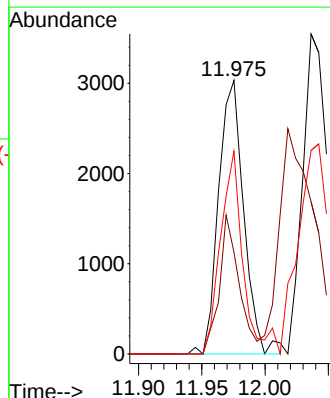
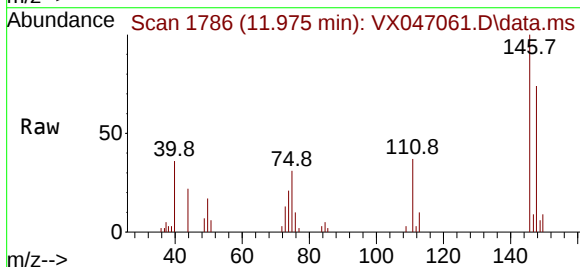
Tgt Ion:146 Resp: 4195

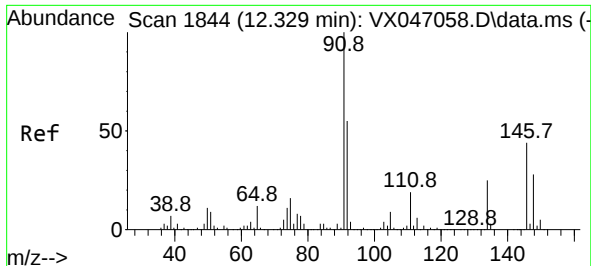
Ion Ratio Lower Upper

146 100

111 39.8 20.6 61.9

148 63.4 33.0 98.9





#89

n-Butylbenzene

Concen: 1.137 ug/l

RT: 12.335 min Scan# 1845

Delta R.T. 0.006 min

Lab File: VX047061.D

Acq: 21 Jul 2025 11:52

Instrument :

MSVOA_X

ClientSampleId :

IBLK

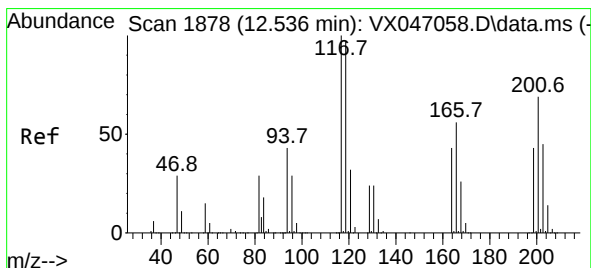
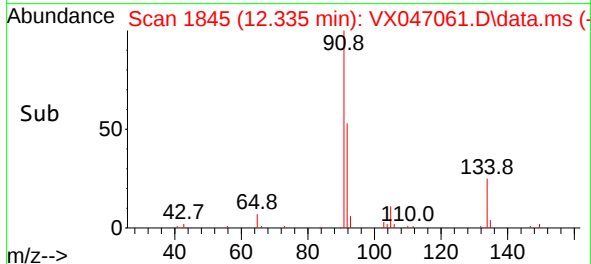
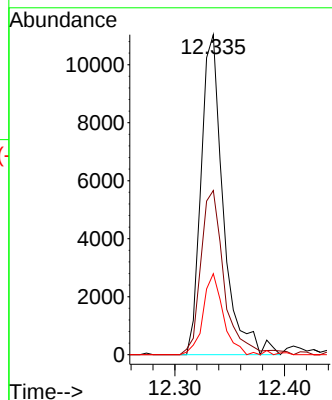
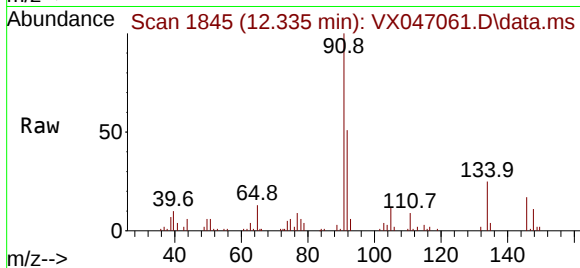
Tgt Ion: 91 Resp: 15510

Ion Ratio Lower Upper

91 100

92 54.1 27.5 82.5

134 22.9 12.8 38.3



#90

Hexachloroethane

Concen: 0.595 ug/l

RT: 12.542 min Scan# 1879

Delta R.T. 0.006 min

Lab File: VX047061.D

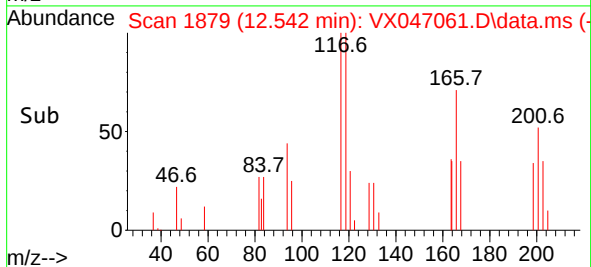
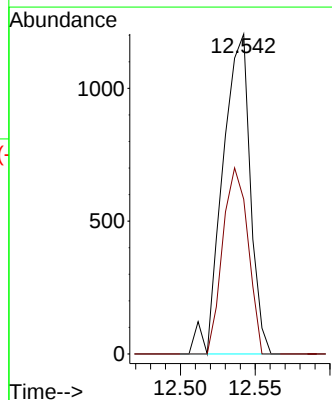
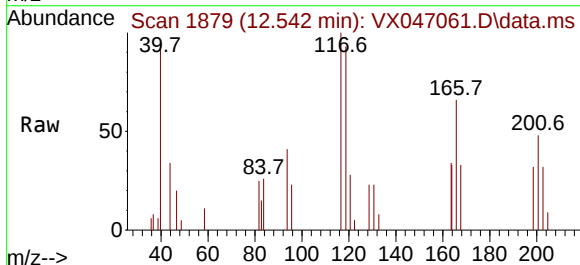
Acq: 21 Jul 2025 11:52

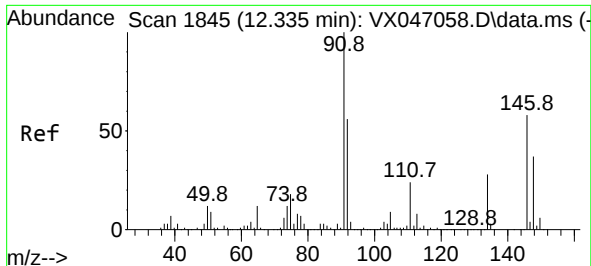
Tgt Ion: 117 Resp: 1548

Ion Ratio Lower Upper

117 100

201 53.2 34.8 104.5





#91

1,2-Dichlorobenzene

Concen: 0.415 ug/l

RT: 12.341 min Scan# 1845

Delta R.T. 0.006 min

Lab File: VX047061.D

Acq: 21 Jul 2025 11:52

Instrument :

MSVOA_X

ClientSampleId :

IBLK

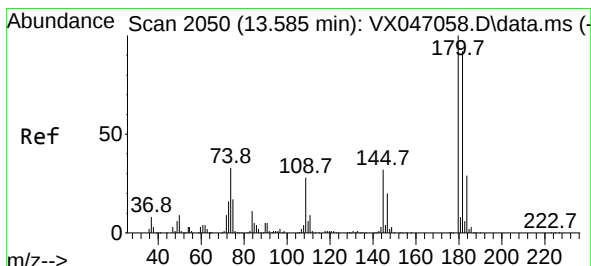
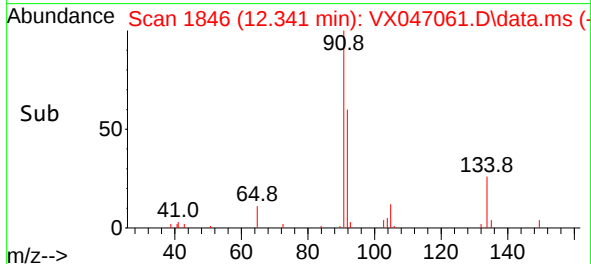
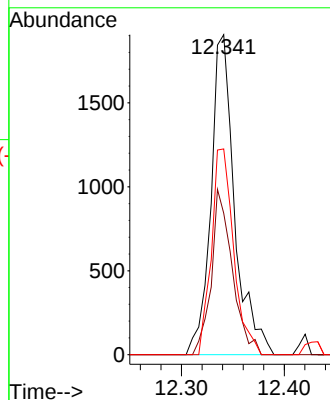
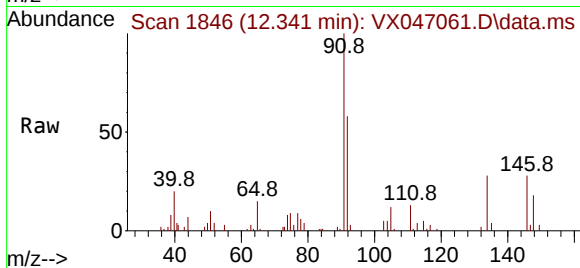
Tgt Ion:146 Resp: 3059

Ion Ratio Lower Upper

146 100

111 45.6 21.6 64.6

148 60.1 31.9 95.7



#93

1,2,4-Trichlorobenzene

Concen: 1.415 ug/l

RT: 13.591 min Scan# 2051

Delta R.T. 0.006 min

Lab File: VX047061.D

Acq: 21 Jul 2025 11:52

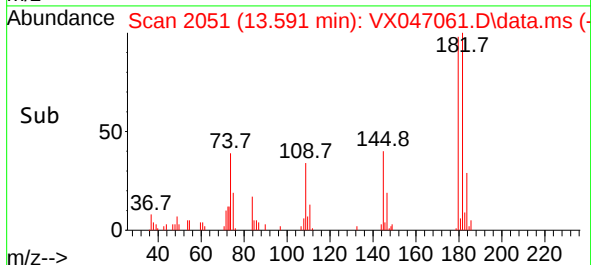
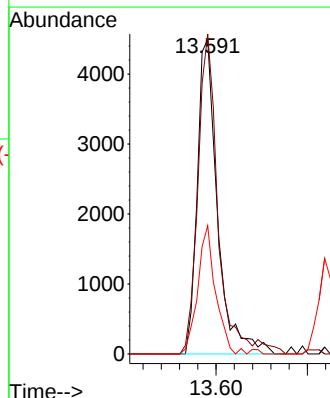
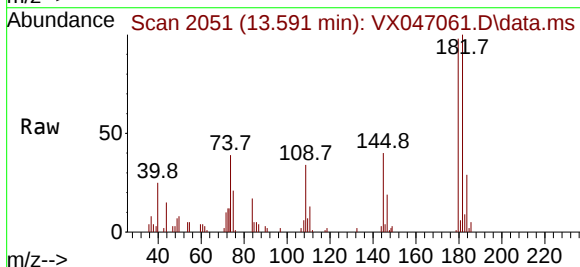
Tgt Ion:180 Resp: 6895

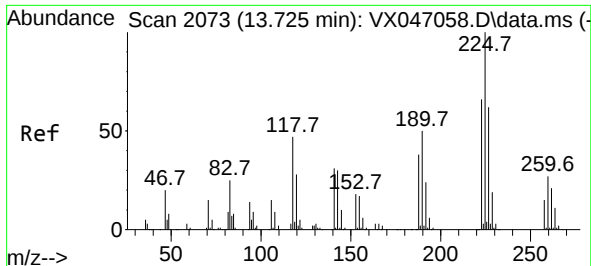
Ion Ratio Lower Upper

180 100

182 98.1 47.3 141.8

145 35.7 16.4 49.1

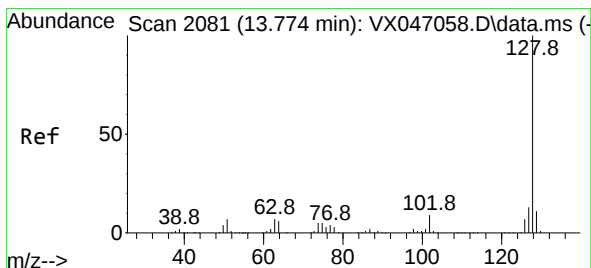
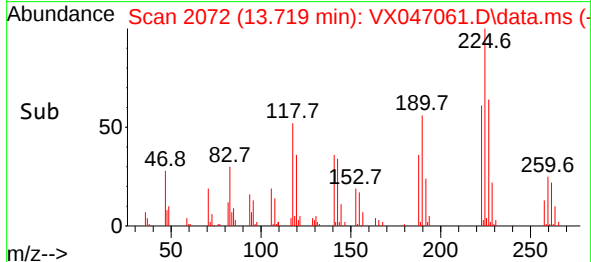
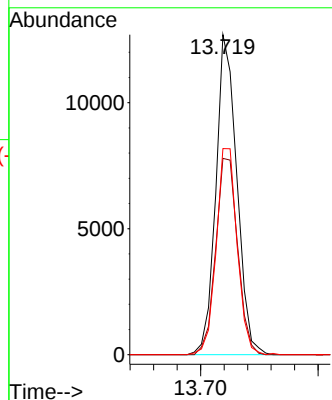
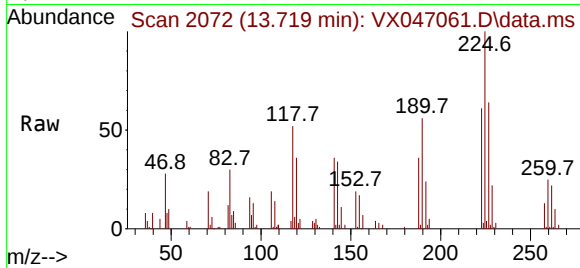




#94
Hexachlorobutadiene
Concen: 9.489 ug/l
RT: 13.719 min Scan# 2072
Delta R.T. -0.006 min
Lab File: VX047061.D
Acq: 21 Jul 2025 11:52

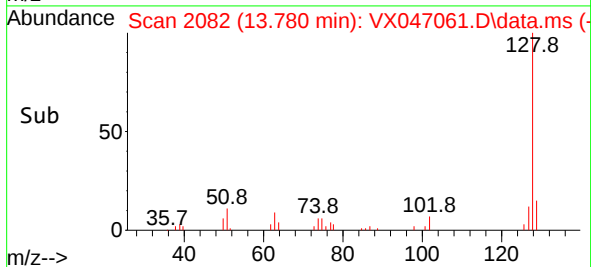
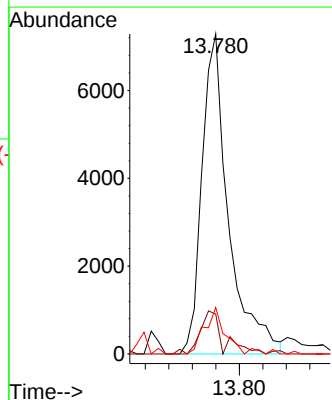
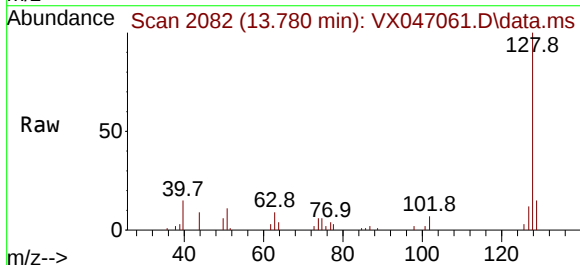
Instrument :
MSVOA_X
ClientSampleId :
IBLK

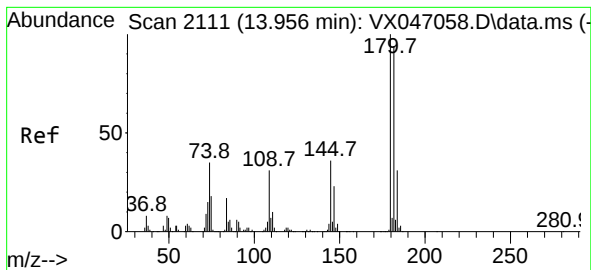
Tgt Ion:225 Resp: 15722
Ion Ratio Lower Upper
225 100
223 64.3 31.6 95.0
227 64.5 32.9 98.6



#95
Naphthalene
Concen: 0.801 ug/l
RT: 13.780 min Scan# 2082
Delta R.T. 0.006 min
Lab File: VX047061.D
Acq: 21 Jul 2025 11:52

Tgt Ion:128 Resp: 11446
Ion Ratio Lower Upper
128 100
127 11.9 10.1 15.1
129 11.6 8.6 13.0





#96
 1,2,3-Trichlorobenzene
 Concen: 1.368 ug/l
 RT: 13.963 min Scan# 21
 Delta R.T. 0.006 min
 Lab File: VX047061.D
 Acq: 21 Jul 2025 11:52

Instrument :
 MSVOA_X
 ClientSampleId :
 IBLK

Tgt Ion:180 Resp: 6419
 Ion Ratio Lower Upper
 180 100
 182 94.4 46.9 140.6
 145 38.4 17.3 52.0

