

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082825\
 Data File : VX047546.D
 Acq On : 28 Aug 2025 13:26
 Operator : JC/MD
 Sample : IBLK
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 IBLK

Quant Time: Aug 29 02:36:51 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X082825W.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 29 02:31:18 2025
 Response via : Initial Calibration

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

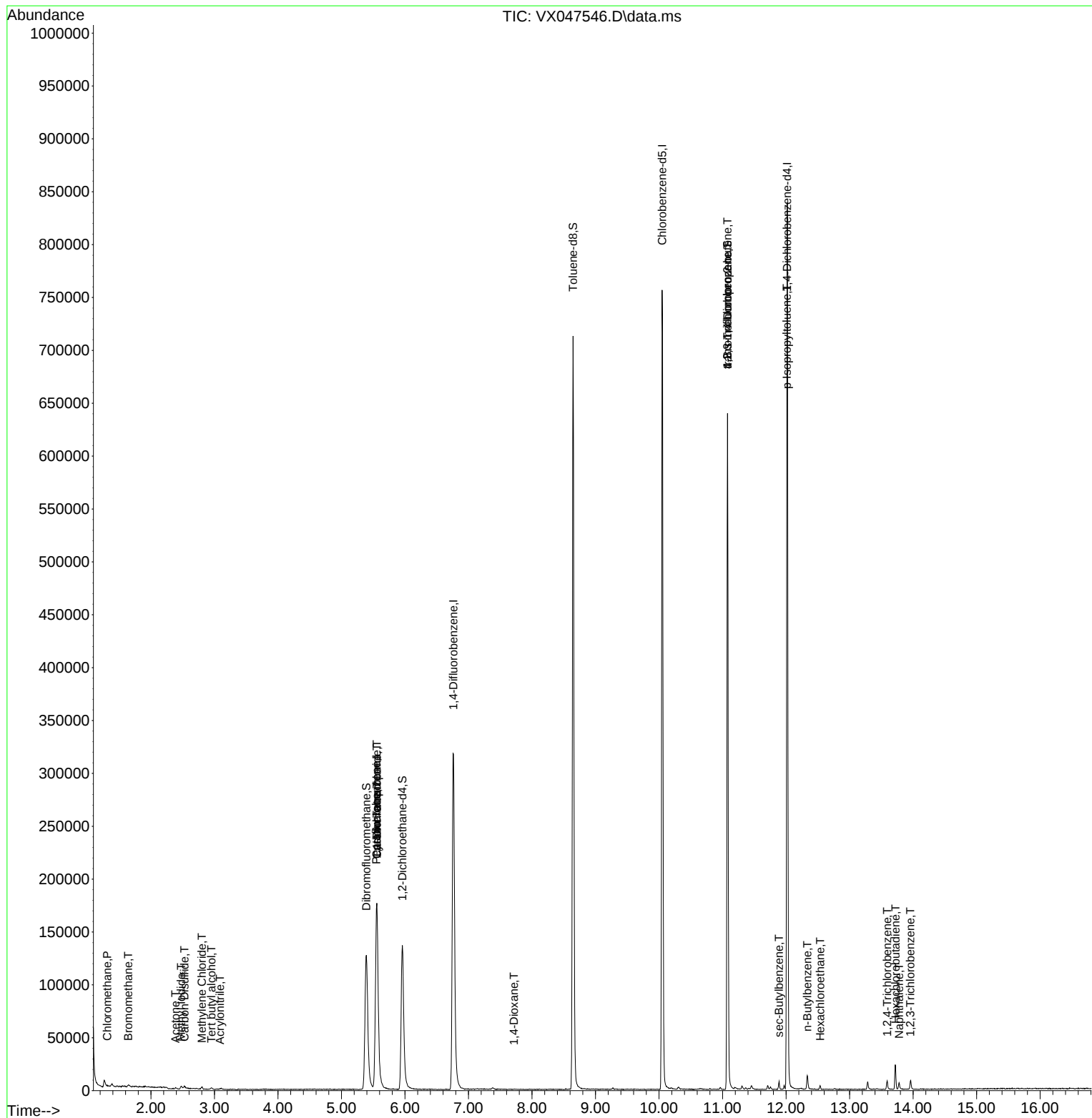
Internal Standards						
1) Pentafluorobenzene	5.550	168	177830	50.000	ug/l	-0.02
34) 1,4-Difluorobenzene	6.763	114	353264	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	352079	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	171203	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	145129	53.144	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 106.280%			
35) Dibromofluoromethane	5.391	113	123648	50.997	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 102.000%			
50) Toluene-d8	8.647	98	433157	50.968	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 101.940%			
62) 4-Bromofluorobenzene	11.079	95	174848	54.765	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 109.520%			
Target Compounds						Qvalue
3) Chloromethane	1.313	50	604	0.284	ug/l	89
5) Bromomethane	1.642	94	937	0.866	ug/l	89
10) Methyl Iodide	2.477	142	3703	1.056	ug/l #	94
11) Tert butyl alcohol	2.953	59	196	0.781	ug/l #	73
15) Acrylonitrile	3.087	53	432	0.385	ug/l #	61
16) Acetone	2.386	43	1596	1.476	ug/l #	85
17) Carbon Disulfide	2.526	76	2934	0.439	ug/l #	94
20) Methylene Chloride	2.800	84	767	0.279	ug/l #	78
31) Cyclohexane	5.556	56	4203	1.095	ug/l #	7
36) 1,1-Dichloropropene	5.556	75	15047	4.361	ug/l #	50
38) Carbon Tetrachloride	5.556	117	18584	4.854	ug/l #	17
49) 1,4-Dioxane	7.714	88	26	0.935	ug/l #	1
58) 2-Chloroethyl Vinyl ether	8.171	63	41	Below Cal	#	47
76) 1,2,3-Trichloropropane	11.079	75	90803	29.717	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.079	75	90803	104.933	ug/l #	7
85) sec-Butylbenzene	11.890	105	3795	0.304	ug/l	95
86) p-Isopropyltoluene	12.012	119	3486	0.333	ug/l	86
89) n-Butylbenzene	12.335	91	5726	0.592	ug/l	94
90) Hexachloroethane	12.536	117	561	0.291	ug/l	82
93) 1,2,4-Trichlorobenzene	13.591	180	2338	0.651	ug/l	95
94) Hexachlorobutadiene	13.725	225	3153	2.528	ug/l	96
95) Naphthalene	13.780	128	4835	0.461	ug/l	99
96) 1,2,3-Trichlorobenzene	13.957	180	2419	0.718	ug/l	95

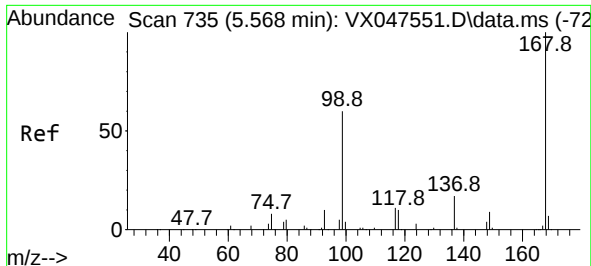
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082825\
Data File : VX047546.D
Acq On : 28 Aug 2025 13:26
Operator : JC/MD
Sample : IBLK
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
IBLK

Quant Time: Aug 29 02:36:51 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X082825W.M
Quant Title : SW846 8260
QLast Update : Fri Aug 29 02:31:18 2025
Response via : Initial Calibration

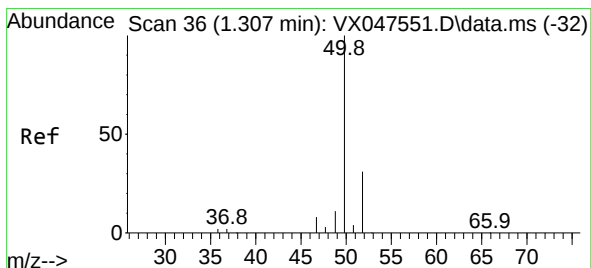
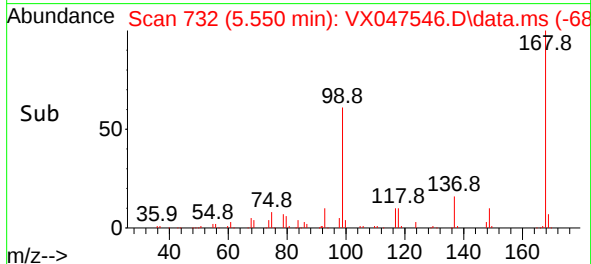
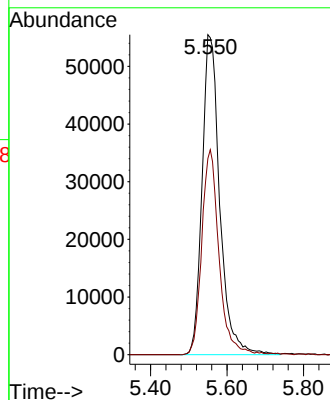
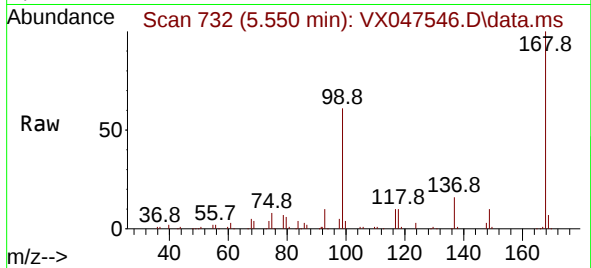




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.018 min
Lab File: VX047546.D
Acq: 28 Aug 2025 13:26

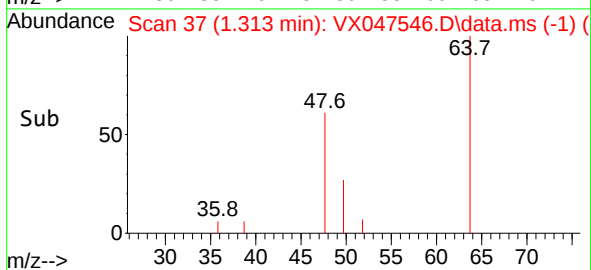
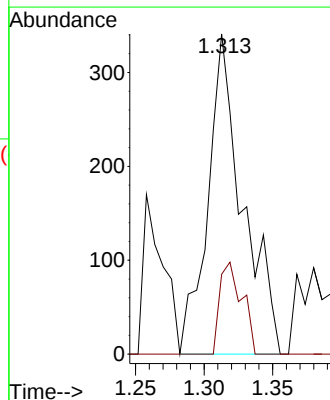
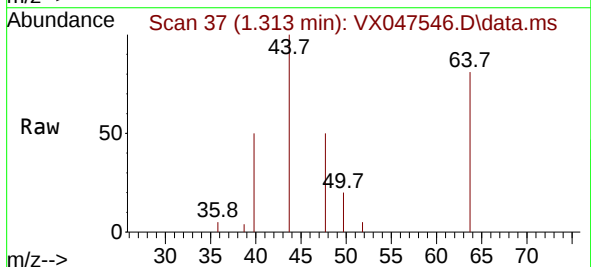
Instrument :
MSVOA_X
ClientSampleId :
IBLK

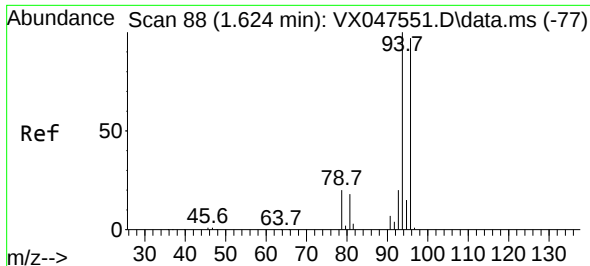
Tgt Ion:168 Resp: 177830
Ion Ratio Lower Upper
168 100
99 61.3 48.9 73.3



#3
Chloromethane
Concen: 0.284 ug/l
RT: 1.313 min Scan# 37
Delta R.T. 0.006 min
Lab File: VX047546.D
Acq: 28 Aug 2025 13:26

Tgt Ion: 50 Resp: 604
Ion Ratio Lower Upper
50 100
52 24.9 24.6 37.0

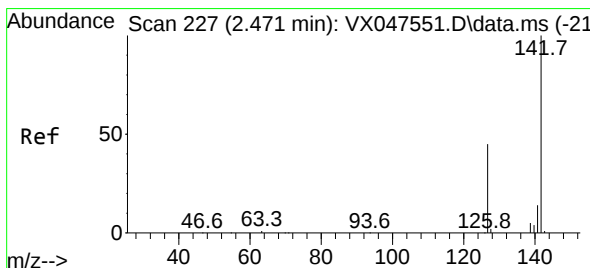
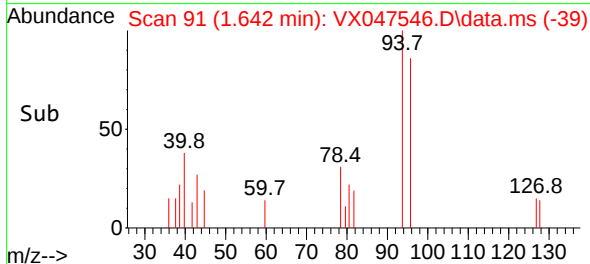
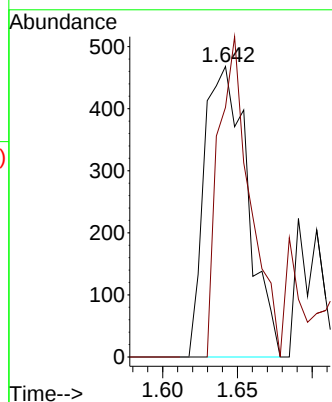
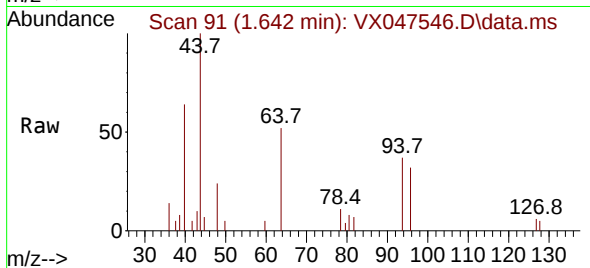




#5
Bromomethane
Concen: 0.866 ug/l
RT: 1.642 min Scan# 91
Delta R.T. 0.018 min
Lab File: VX047546.D
Acq: 28 Aug 2025 13:26

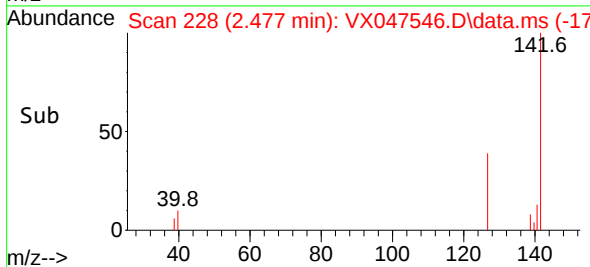
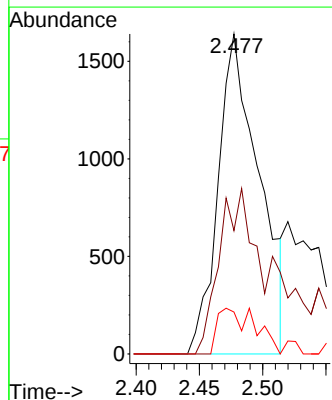
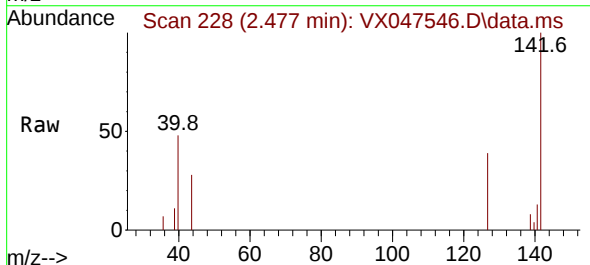
Instrument :
MSVOA_X
ClientSampleId :
IBLK

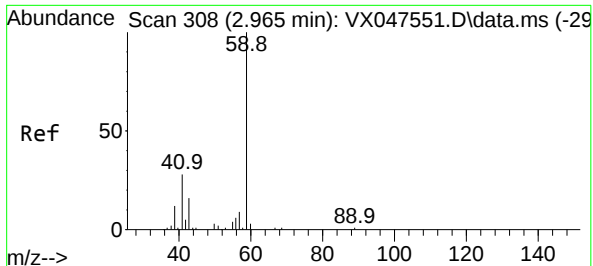
Tgt Ion: 94 Resp: 937
Ion Ratio Lower Upper
94 100
96 85.9 77.7 116.5



#10
Methyl Iodide
Concen: 1.056 ug/l
RT: 2.477 min Scan# 228
Delta R.T. 0.006 min
Lab File: VX047546.D
Acq: 28 Aug 2025 13:26

Tgt Ion: 142 Resp: 3703
Ion Ratio Lower Upper
142 100
127 44.8 37.6 56.4
141 7.7 10.6 16.0#

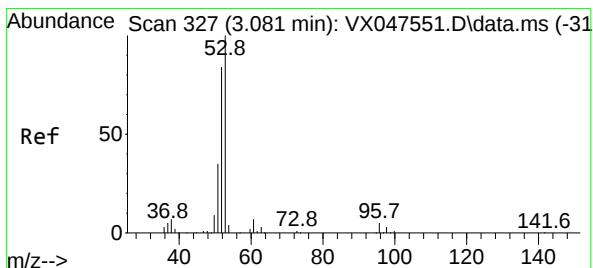
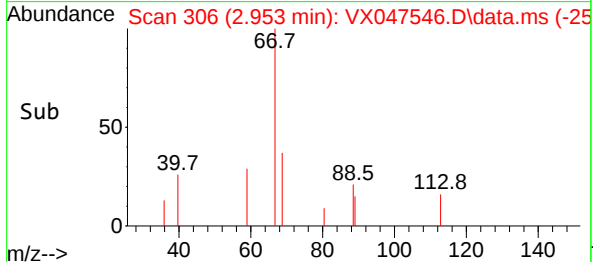
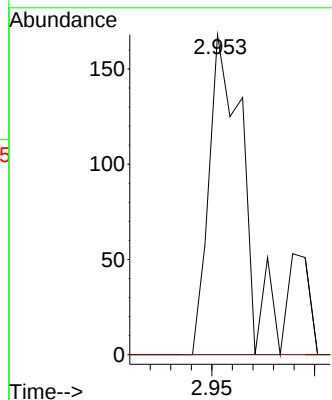
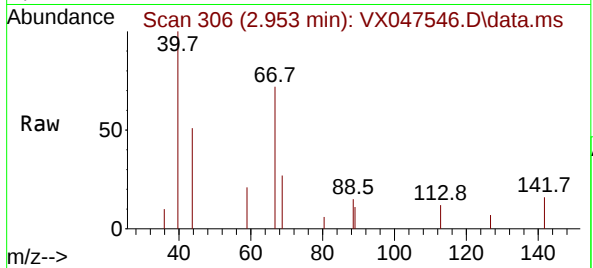




#11
Tert butyl alcohol
Concen: 0.781 ug/l
RT: 2.953 min Scan# 308
Delta R.T. -0.012 min
Lab File: VX047546.D
Acq: 28 Aug 2025 13:26

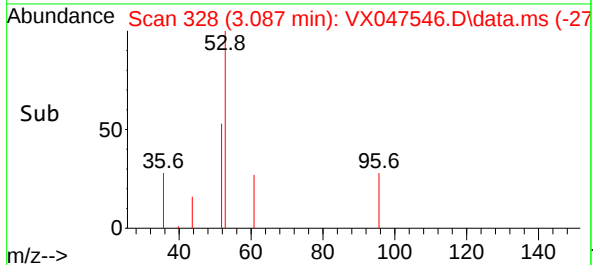
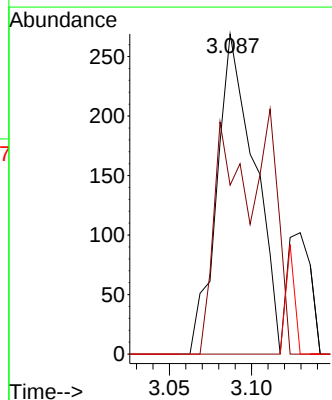
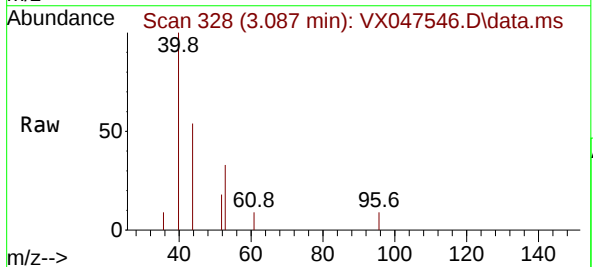
Instrument :
MSVOA_X
ClientSampleId :
IBLK

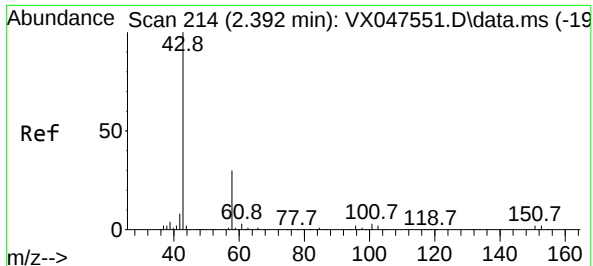
Tgt Ion: 59 Resp: 196
Ion Ratio Lower Upper
59 100
57 0.0 7.9 11.9#



#15
Acrylonitrile
Concen: 0.385 ug/l
RT: 3.087 min Scan# 328
Delta R.T. 0.006 min
Lab File: VX047546.D
Acq: 28 Aug 2025 13:26

Tgt Ion: 53 Resp: 432
Ion Ratio Lower Upper
53 100
52 57.2 66.2 99.4#
51 0.0 29.4 44.0#

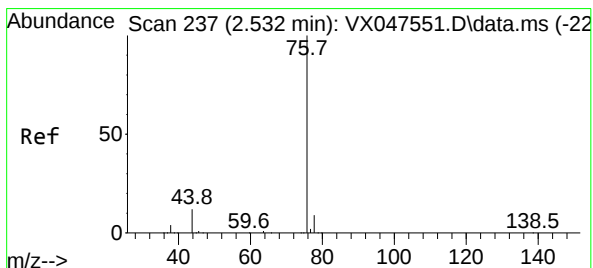
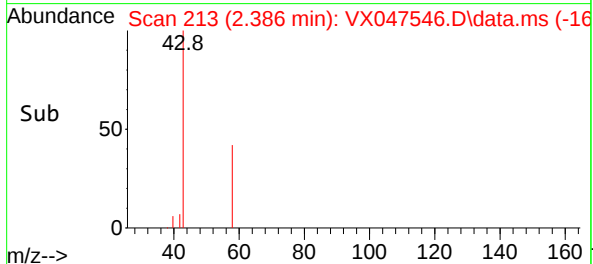
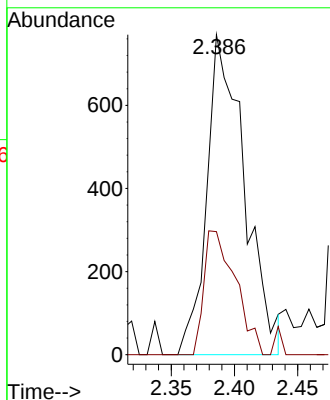
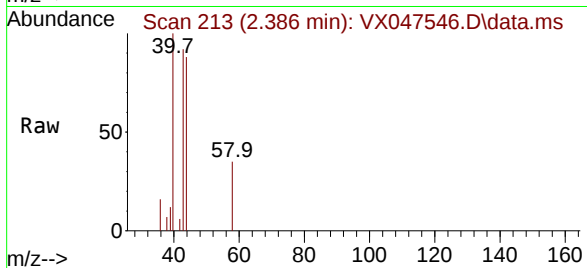




#16
Acetone
Concen: 1.476 ug/l
RT: 2.386 min Scan# 214
Delta R.T. -0.006 min
Lab File: VX047546.D
Acq: 28 Aug 2025 13:26

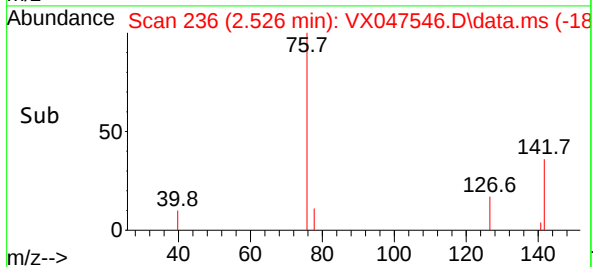
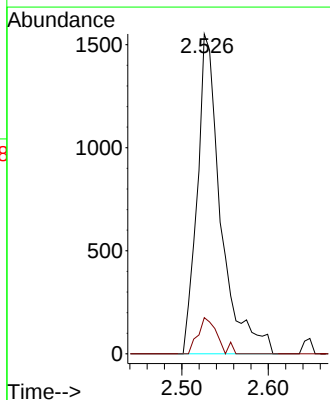
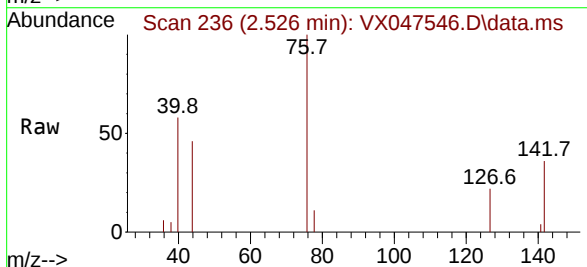
Instrument :
MSVOA_X
ClientSampleId :
IBLK

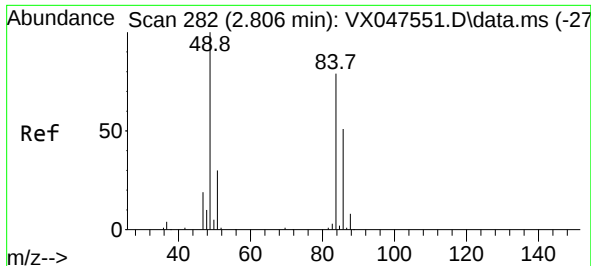
Tgt Ion: 43 Resp: 1596
Ion Ratio Lower Upper
43 100
58 38.4 24.2 36.2#



#17
Carbon Disulfide
Concen: 0.439 ug/l
RT: 2.526 min Scan# 236
Delta R.T. -0.006 min
Lab File: VX047546.D
Acq: 28 Aug 2025 13:26

Tgt Ion: 76 Resp: 2934
Ion Ratio Lower Upper
76 100
78 11.3 7.4 11.0#

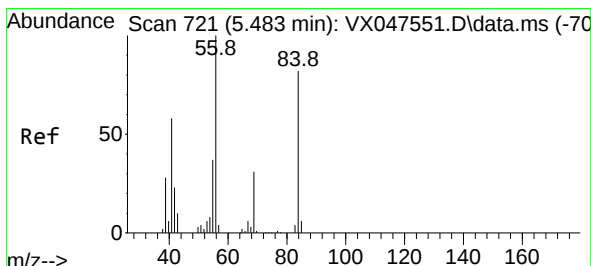
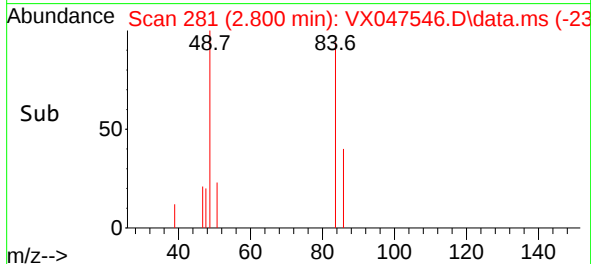
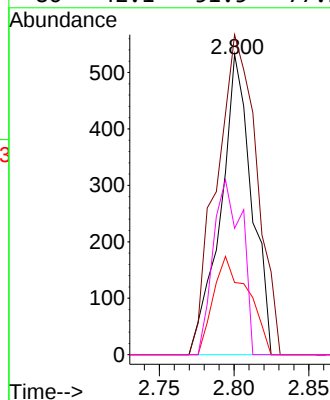
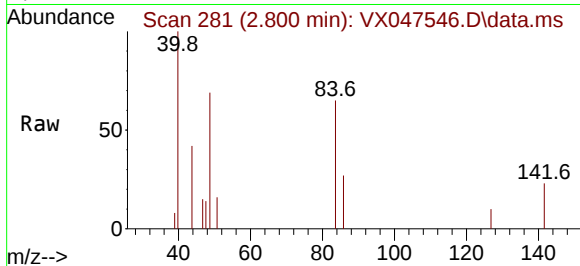




#20
Methylene Chloride
Concen: 0.279 ug/l
RT: 2.800 min Scan# 21
Delta R.T. -0.006 min
Lab File: VX047546.D
Acq: 28 Aug 2025 13:26

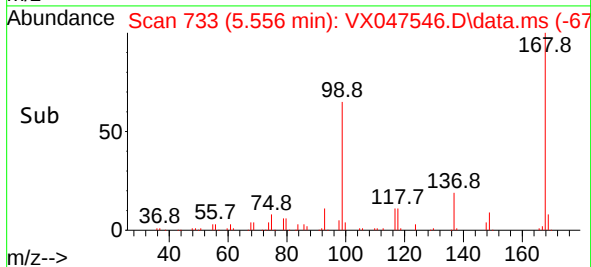
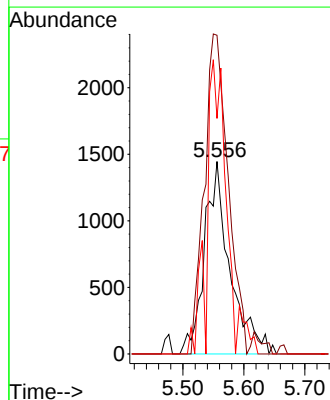
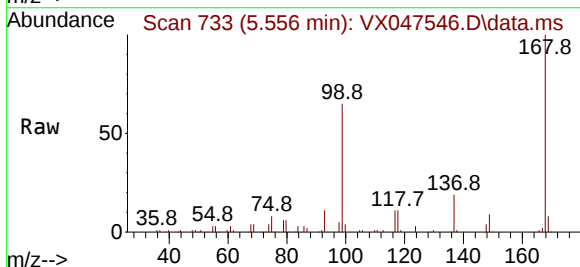
Instrument :
MSVOA_X
ClientSampleId :
IBLK

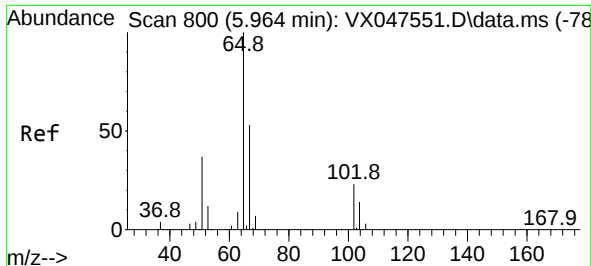
Tgt Ion:	84	Resp:	767
Ion	Ratio	Lower	Upper
84	100		
49	106.6	101.4	152.2
51	24.1	30.6	46.0#
86	42.1	51.5	77.3#



#31
Cyclohexane
Concen: 1.095 ug/l
RT: 5.556 min Scan# 733
Delta R.T. 0.073 min
Lab File: VX047546.D
Acq: 28 Aug 2025 13:26

Tgt Ion:	56	Resp:	4203
Ion	Ratio	Lower	Upper
56	100		
69	159.1	24.2	36.2#
84	117.6	65.5	98.3#





#33

1,2-Dichloroethane-d4

Concen: 53.144 ug/l

RT: 5.958 min Scan# 799

Delta R.T. -0.006 min

Lab File: VX047546.D

Acq: 28 Aug 2025 13:26

Instrument :

MSVOA_X

ClientSampleId :

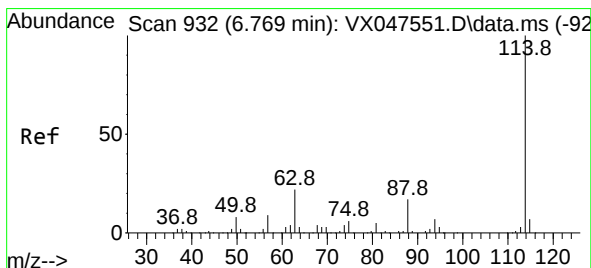
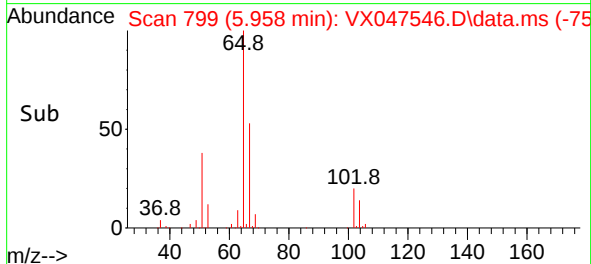
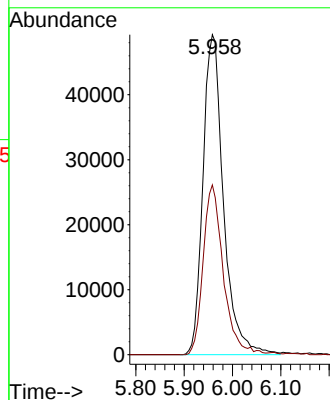
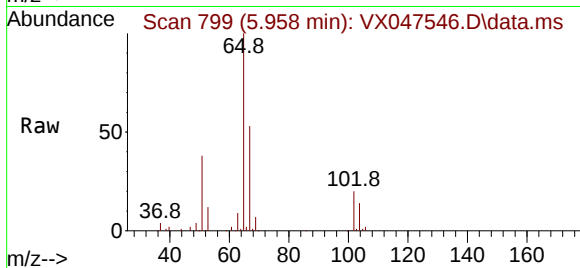
IBLK

Tgt Ion: 65 Resp: 145129

Ion Ratio Lower Upper

65 100

67 51.9 0.0 104.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.763 min Scan# 931

Delta R.T. -0.006 min

Lab File: VX047546.D

Acq: 28 Aug 2025 13:26

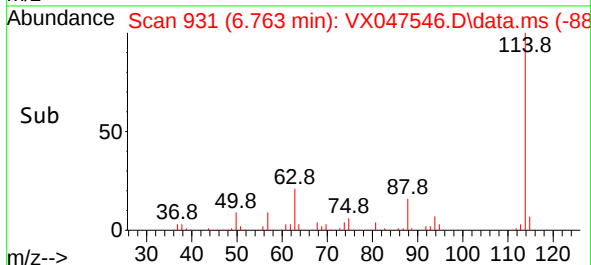
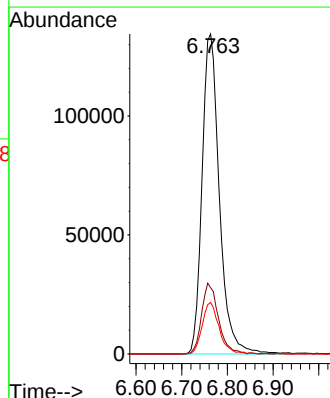
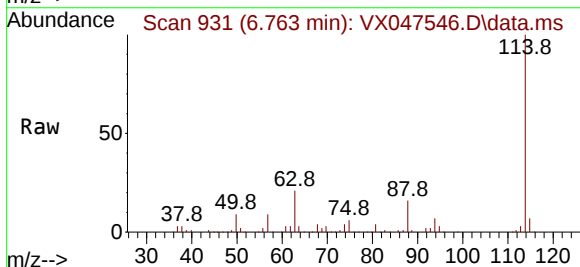
Tgt Ion: 114 Resp: 353264

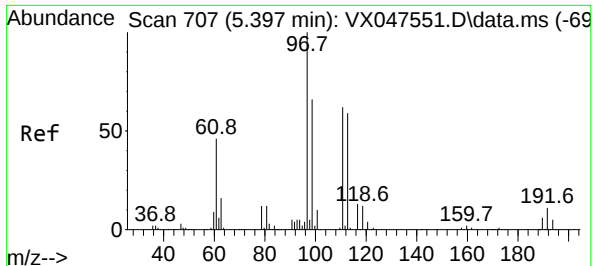
Ion Ratio Lower Upper

114 100

63 23.8 0.0 43.6

88 16.1 0.0 33.2





#35

Dibromofluoromethane

Concen: 50.997 ug/l

RT: 5.391 min Scan# 707

Delta R.T. -0.006 min

Lab File: VX047546.D

Acq: 28 Aug 2025 13:26

Instrument :

MSVOA_X

ClientSampleId :

IBLK

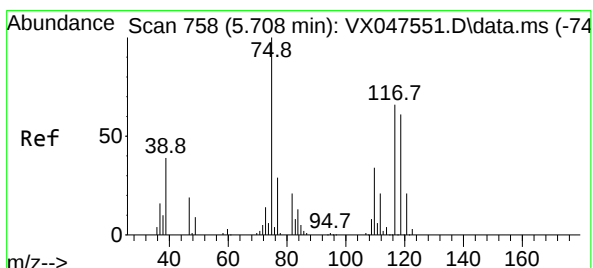
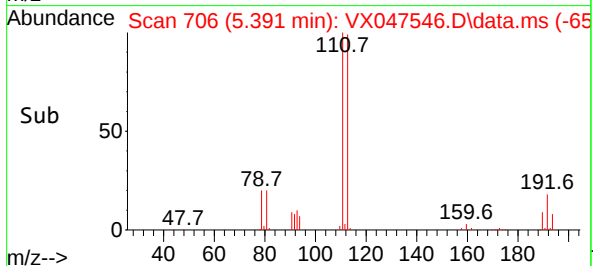
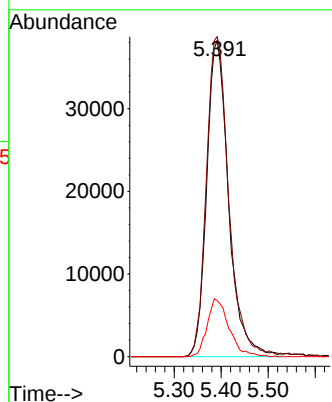
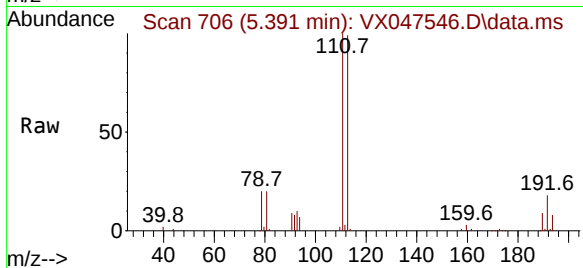
Tgt Ion:113 Resp: 123648

Ion Ratio Lower Upper

113 100

111 103.3 81.2 121.8

192 18.3 14.2 21.4



#36

1,1-Dichloropropene

Concen: 4.361 ug/l

RT: 5.556 min Scan# 733

Delta R.T. -0.152 min

Lab File: VX047546.D

Acq: 28 Aug 2025 13:26

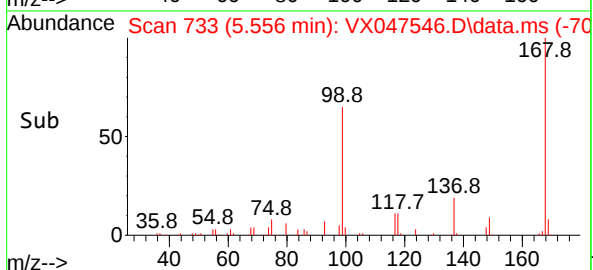
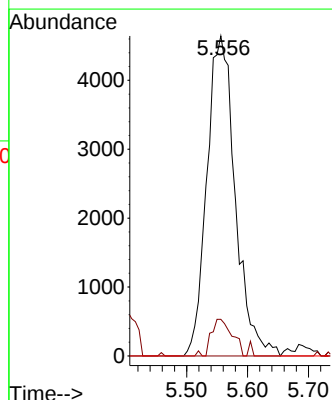
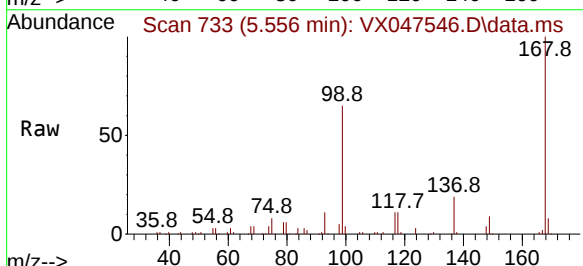
Tgt Ion: 75 Resp: 15047

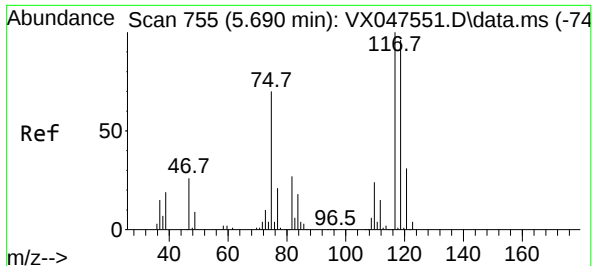
Ion Ratio Lower Upper

75 100

110 8.5 17.1 51.3#

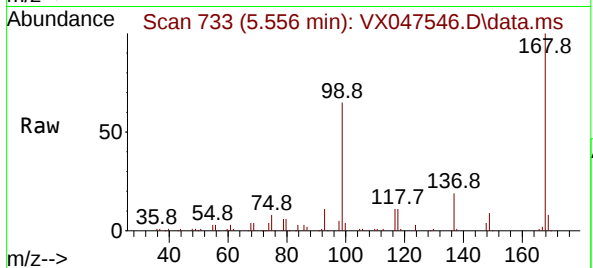
77 0.0 25.0 37.6#



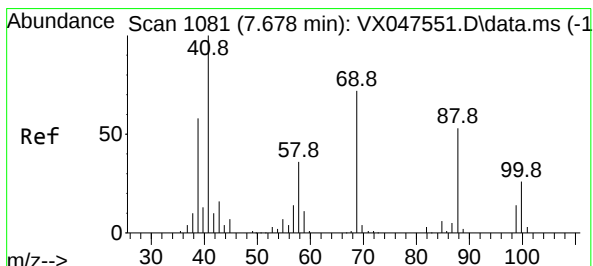
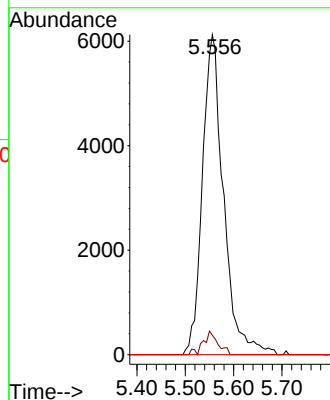
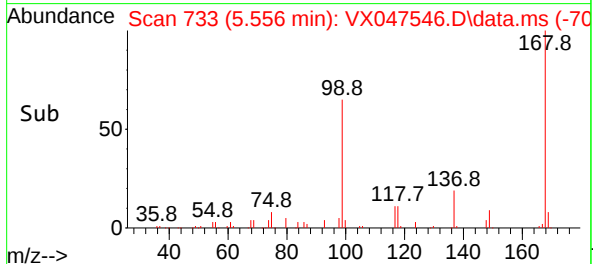


#38
Carbon Tetrachloride
Concen: 4.854 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.134 min
Lab File: VX047546.D
Acq: 28 Aug 2025 13:26

Instrument :
MSVOA_X
ClientSampleId :
IBLK

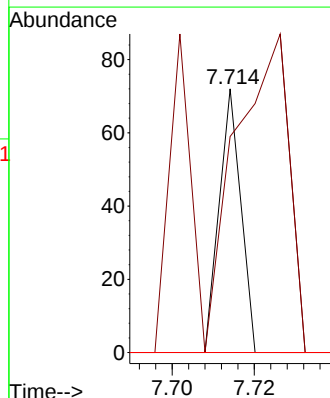
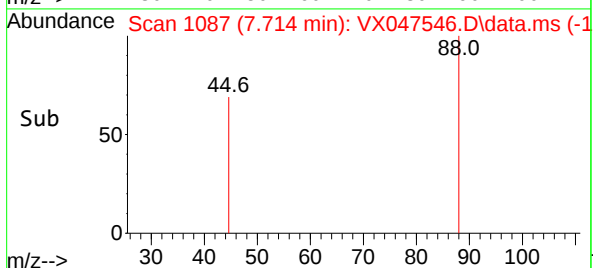
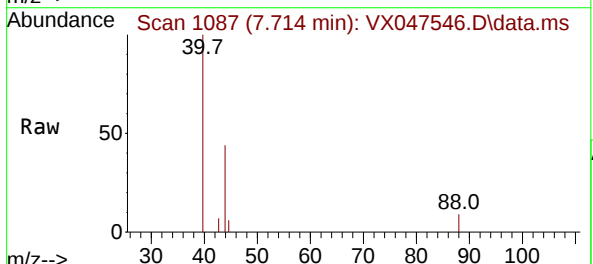


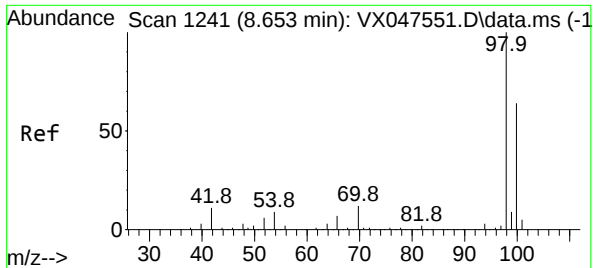
Tgt Ion:117 Resp: 18584
Ion Ratio Lower Upper
117 100
119 6.1 76.4 114.6#
121 0.0 24.9 37.3#



#49
1,4-Dioxane
Concen: 0.935 ug/l
RT: 7.714 min Scan# 1087
Delta R.T. 0.037 min
Lab File: VX047546.D
Acq: 28 Aug 2025 13:26

Tgt Ion: 88 Resp: 26
Ion Ratio Lower Upper
88 100
43 300.0 31.9 47.9#
58 0.0 57.5 86.3#

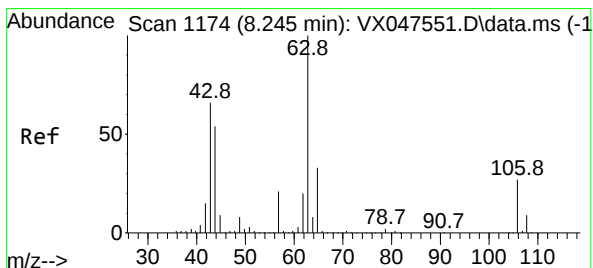
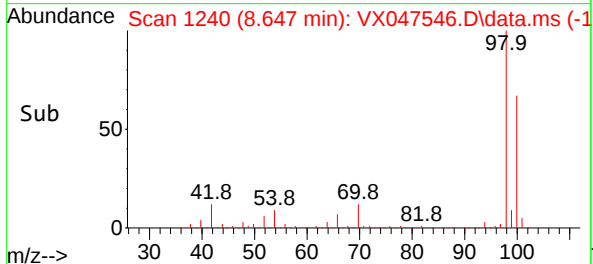
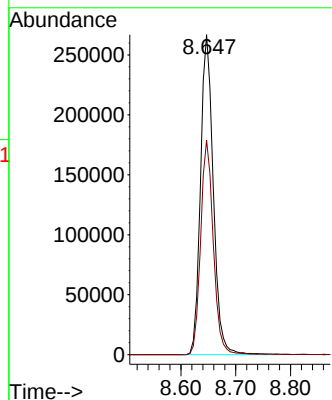
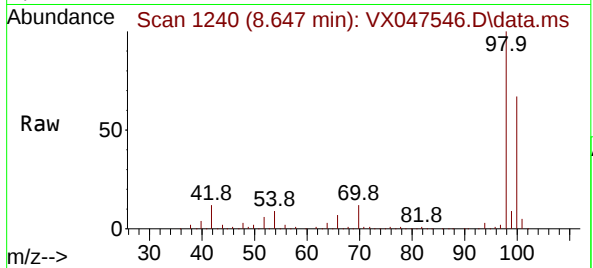




#50
Toluene-d8
Concen: 50.968 ug/l
RT: 8.647 min Scan# 1162
Delta R.T. -0.006 min
Lab File: VX047546.D
Acq: 28 Aug 2025 13:26

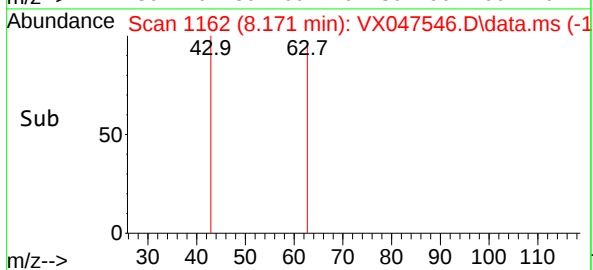
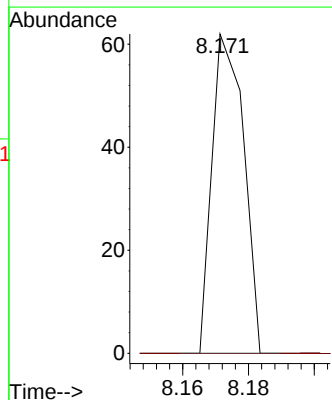
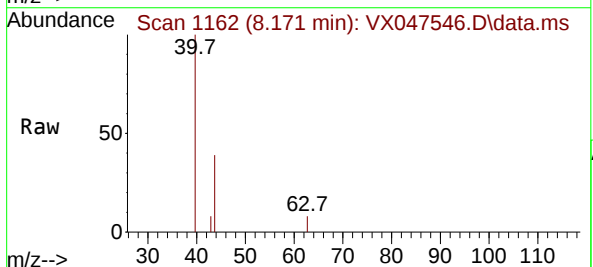
Instrument :
MSVOA_X
ClientSampleId :
IBLK

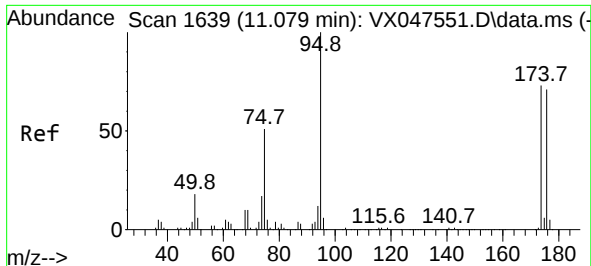
Tgt Ion: 98 Resp: 433157
Ion Ratio Lower Upper
98 100
100 66.3 53.5 80.3



#58
2-Chloroethyl Vinyl ether
Concen: Below Cal
RT: 8.171 min Scan# 1162
Delta R.T. -0.074 min
Lab File: VX047546.D
Acq: 28 Aug 2025 13:26

Tgt Ion: 63 Resp: 41
Ion Ratio Lower Upper
63 100
106 0.0 22.2 33.4#





#62

4-Bromofluorobenzene

Concen: 54.765 ug/l

RT: 11.079 min Scan# 1

Delta R.T. -0.000 min

Lab File: VX047546.D

Acq: 28 Aug 2025 13:26

Instrument :

MSVOA_X

ClientSampleId :

IBLK

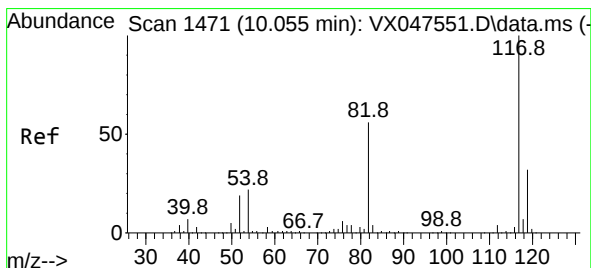
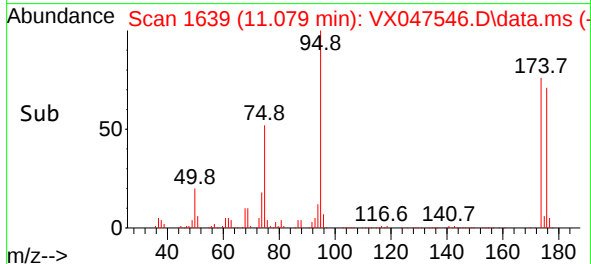
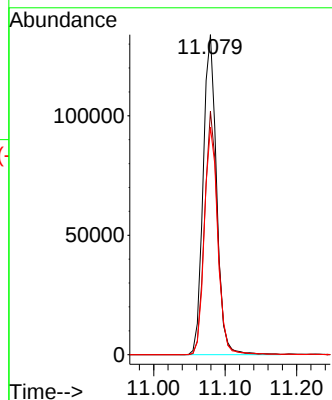
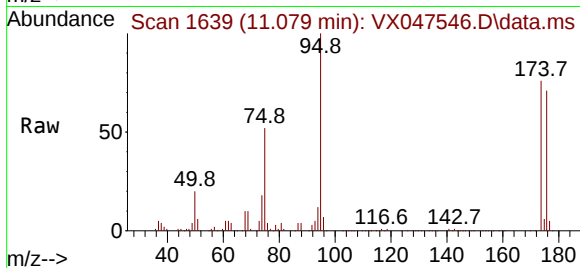
Tgt Ion: 95 Resp: 174848

Ion Ratio Lower Upper

95 100

174 74.5 0.0 145.2

176 71.2 0.0 140.4



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.049 min Scan# 1470

Delta R.T. -0.006 min

Lab File: VX047546.D

Acq: 28 Aug 2025 13:26

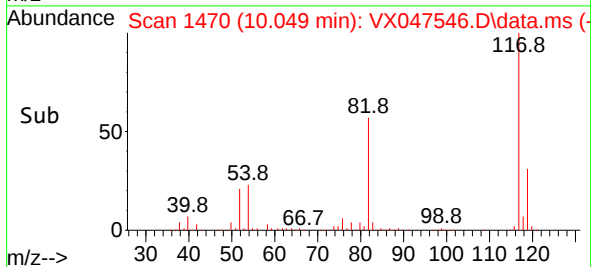
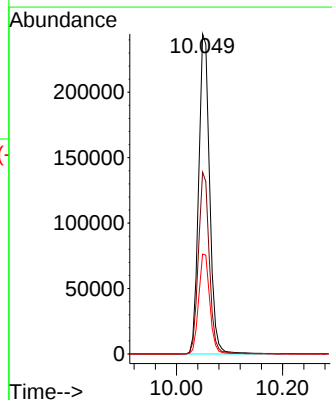
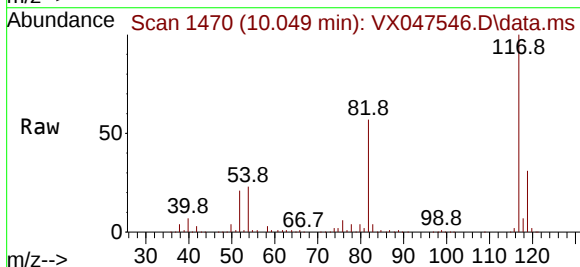
Tgt Ion: 117 Resp: 352079

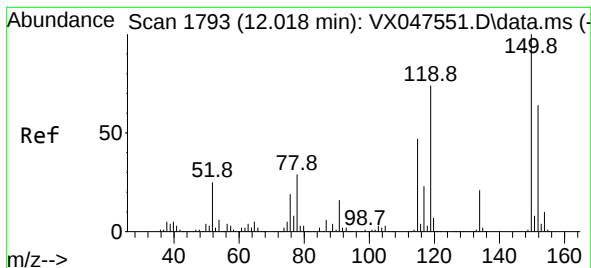
Ion Ratio Lower Upper

117 100

82 56.8 44.6 66.8

119 31.2 25.7 38.5





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.018 min Scan# 1

Delta R.T. -0.000 min

Lab File: VX047546.D

Acq: 28 Aug 2025 13:26

Instrument :

MSVOA_X

ClientSampleId :

IBLK

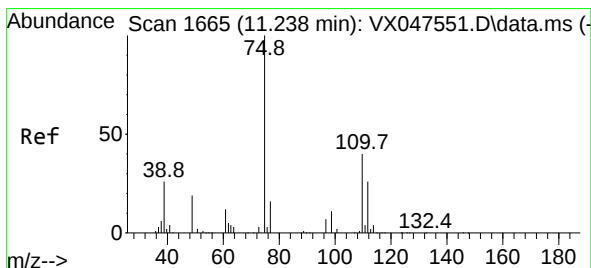
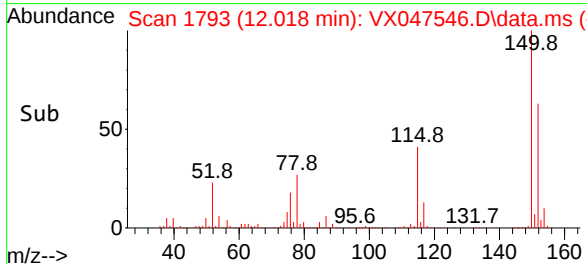
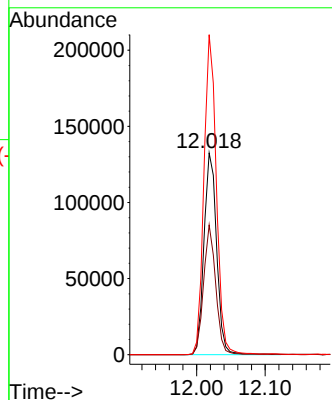
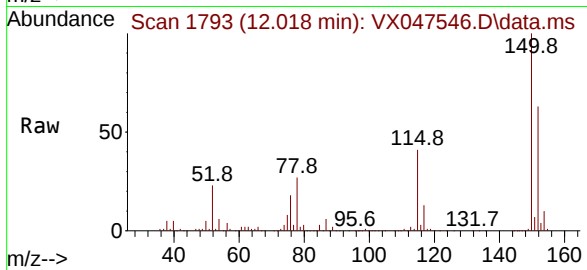
Tgt Ion:152 Resp: 171203

Ion Ratio Lower Upper

152 100

115 61.8 42.9 128.5

150 155.7 0.0 351.0



#76

1,2,3-Trichloropropane

Concen: 29.717 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.159 min

Lab File: VX047546.D

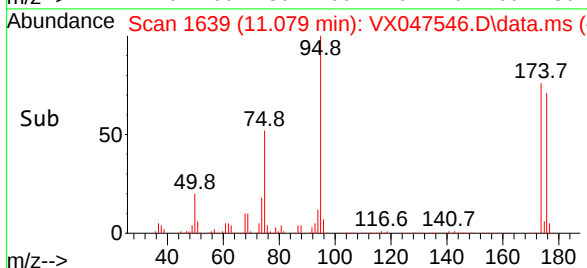
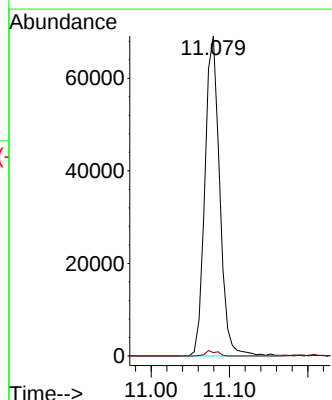
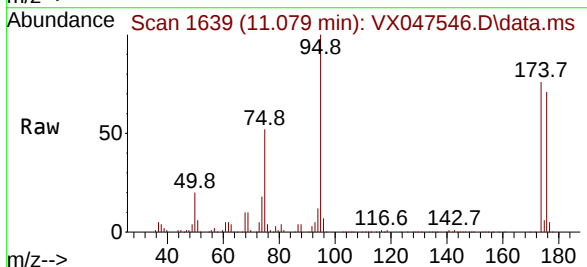
Acq: 28 Aug 2025 13:26

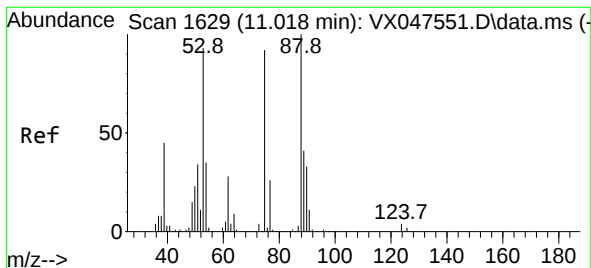
Tgt Ion: 75 Resp: 90803

Ion Ratio Lower Upper

75 100

77 1.3 19.7 59.1#

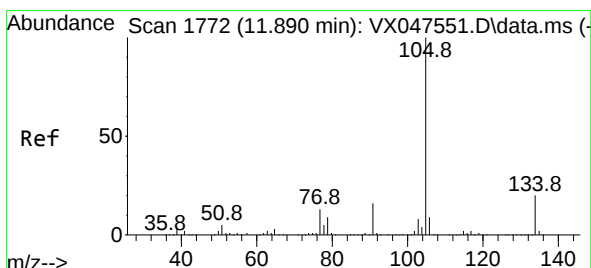
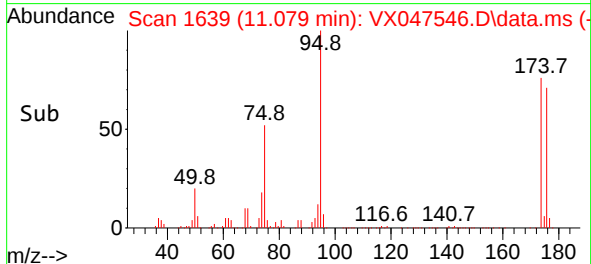
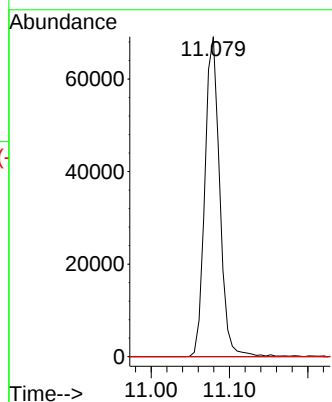
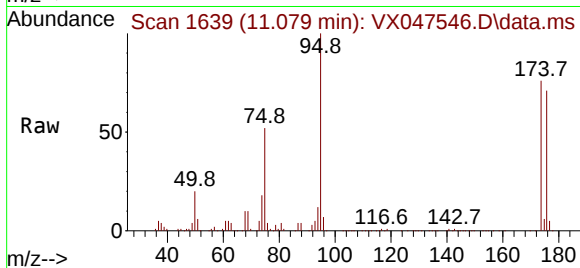




#81
 trans-1,4-Dichloro-2-butene
 Concen: 104.933 ug/l
 RT: 11.079 min Scan# 1639
 Delta R.T. 0.061 min
 Lab File: VX047546.D
 Acq: 28 Aug 2025 13:26

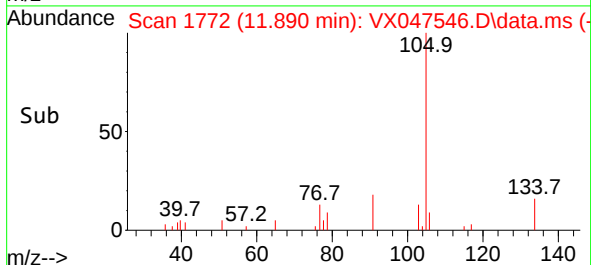
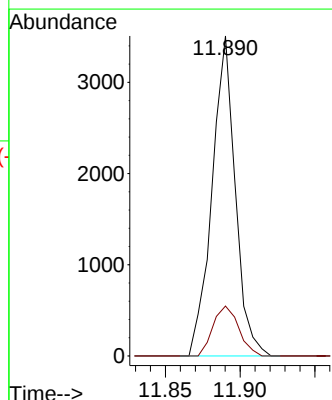
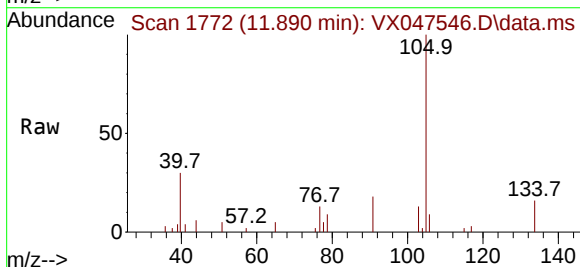
Instrument :
 MSVOA_X
 ClientSampleId :
 IBLK

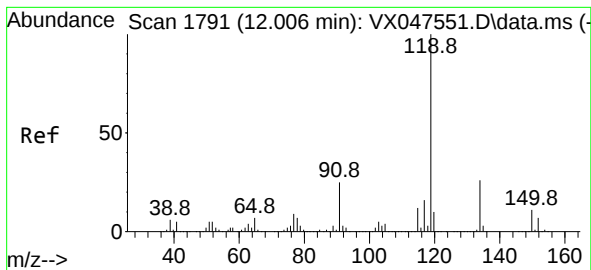
Tgt Ion: 75 Resp: 90803
 Ion Ratio Lower Upper
 75 100
 53 0.0 85.7 128.5#
 89 0.0 36.4 54.6#



#85
 sec-Butylbenzene
 Concen: 0.304 ug/l
 RT: 11.890 min Scan# 1772
 Delta R.T. -0.000 min
 Lab File: VX047546.D
 Acq: 28 Aug 2025 13:26

Tgt Ion: 105 Resp: 3795
 Ion Ratio Lower Upper
 105 100
 134 17.2 9.8 29.5





#86

p-Isopropyltoluene

Concen: 0.333 ug/l

RT: 12.012 min Scan# 1

Delta R.T. 0.006 min

Lab File: VX047546.D

Acq: 28 Aug 2025 13:26

Instrument :

MSVOA_X

ClientSampleId :

IBLK

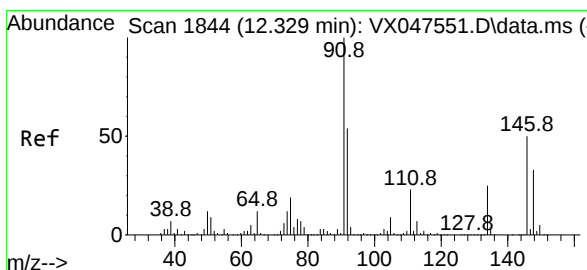
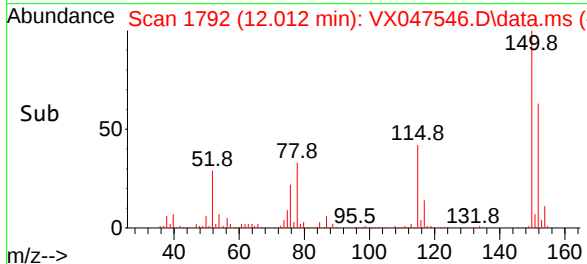
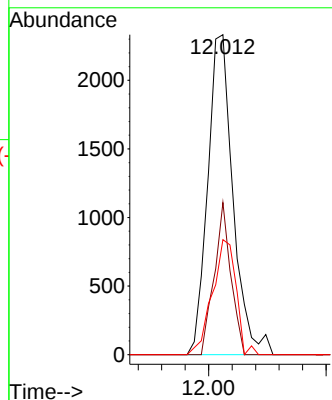
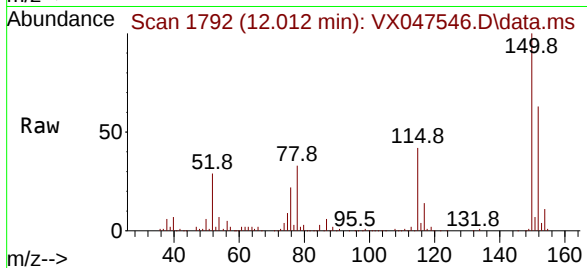
Tgt Ion:119 Resp: 3486

Ion Ratio Lower Upper

119 100

134 31.3 13.0 38.9

91 33.5 12.4 37.2



#89

n-Butylbenzene

Concen: 0.592 ug/l

RT: 12.335 min Scan# 1845

Delta R.T. 0.006 min

Lab File: VX047546.D

Acq: 28 Aug 2025 13:26

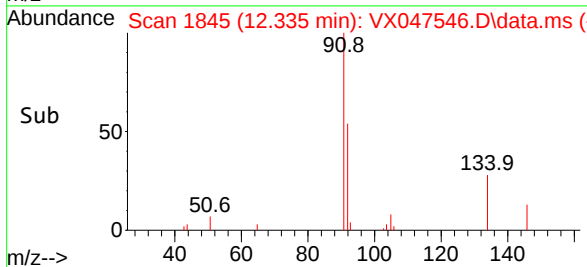
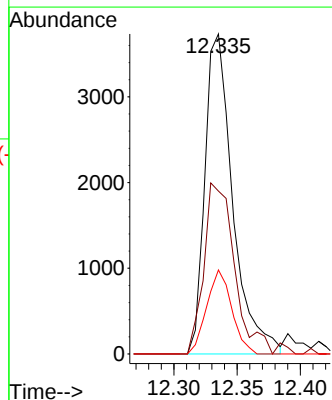
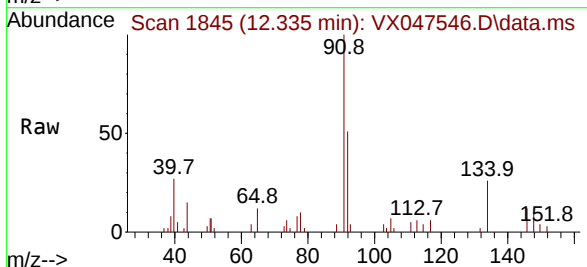
Tgt Ion: 91 Resp: 5726

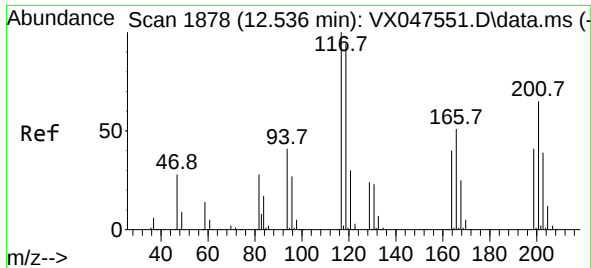
Ion Ratio Lower Upper

91 100

92 59.6 27.0 81.0

134 23.6 12.6 37.6

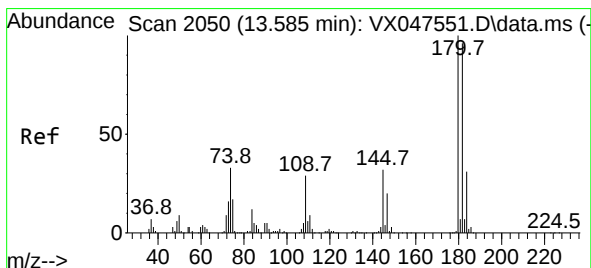
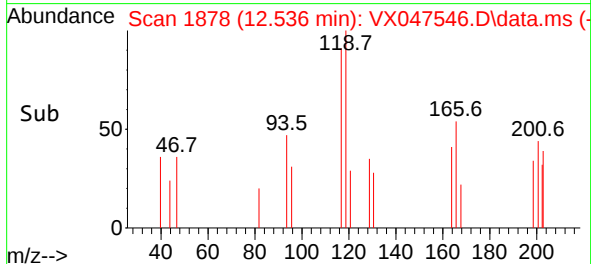
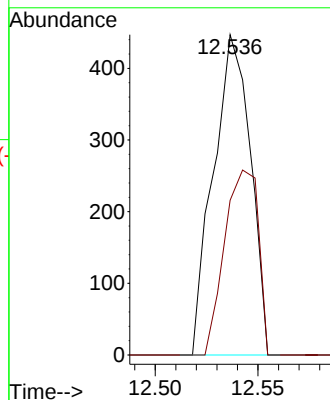
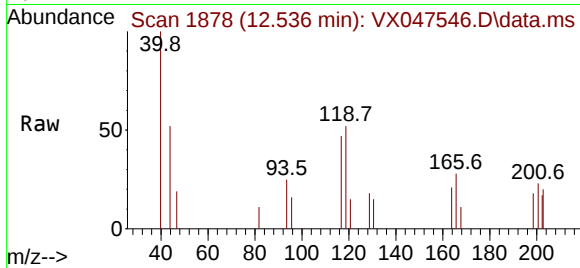




#90
Hexachloroethane
Concen: 0.291 ug/l
RT: 12.536 min Scan# 117
Delta R.T. -0.000 min
Lab File: VX047546.D
Acq: 28 Aug 2025 13:26

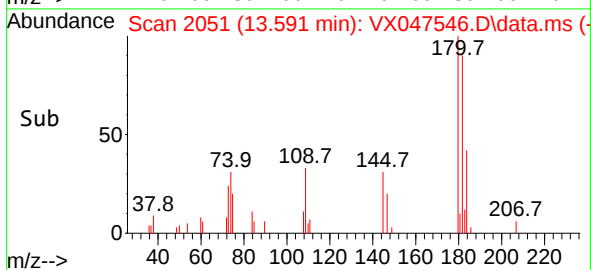
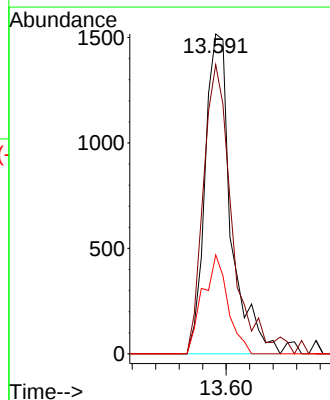
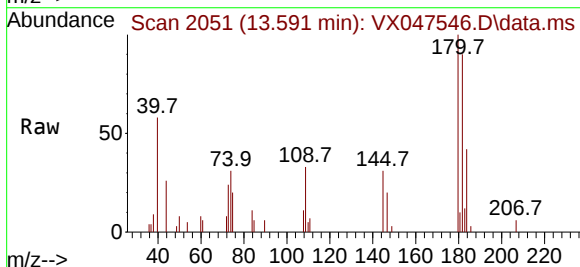
Instrument :
MSVOA_X
ClientSampleId :
IBLK

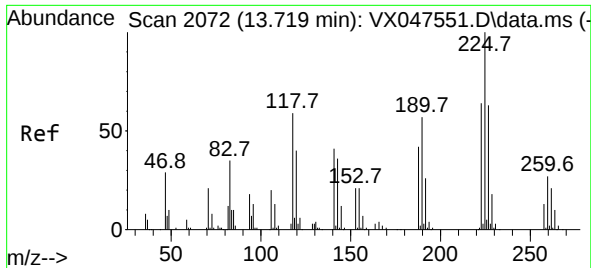
Tgt Ion:117 Resp: 561
Ion Ratio Lower Upper
117 100
201 52.6 33.7 101.1



#93
1,2,4-Trichlorobenzene
Concen: 0.651 ug/l
RT: 13.591 min Scan# 2051
Delta R.T. 0.006 min
Lab File: VX047546.D
Acq: 28 Aug 2025 13:26

Tgt Ion:180 Resp: 2338
Ion Ratio Lower Upper
180 100
182 100.4 47.7 143.1
145 29.8 16.3 48.8

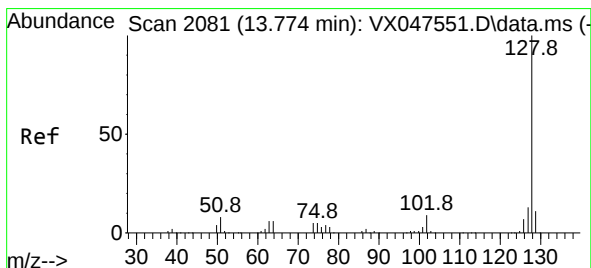
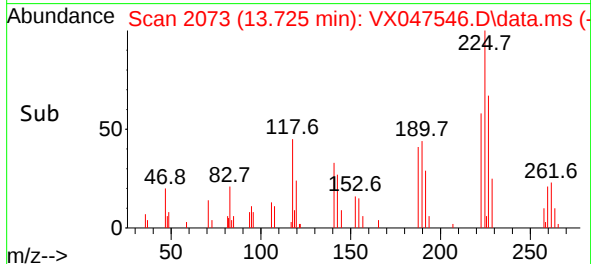
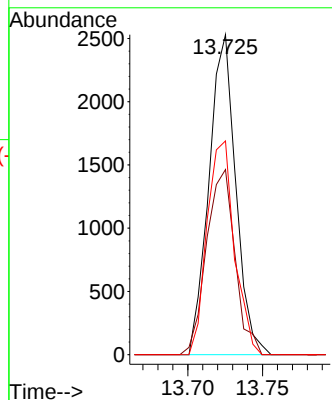
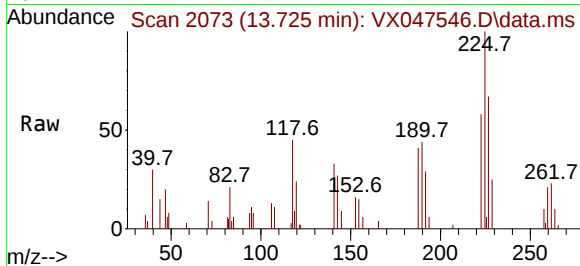




#94
Hexachlorobutadiene
Concen: 2.528 ug/l
RT: 13.725 min Scan# 2072
Delta R.T. 0.006 min
Lab File: VX047546.D
Acq: 28 Aug 2025 13:26

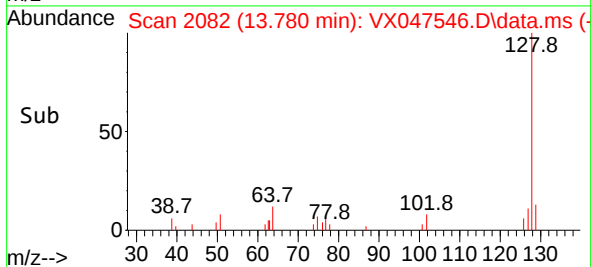
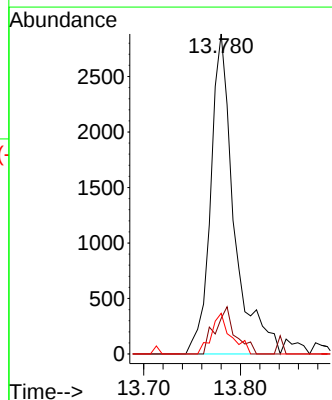
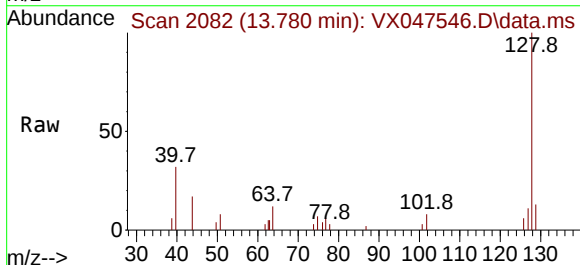
Instrument :
MSVOA_X
ClientSampleId :
IBLK

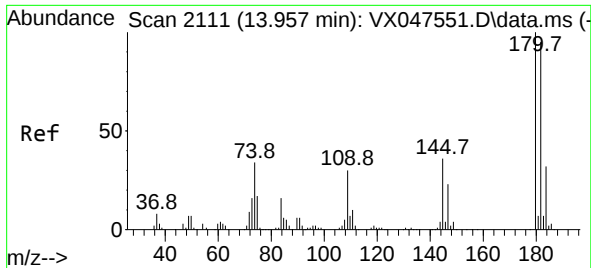
Tgt Ion:	225	Resp:	3153
Ion	Ratio	Lower	Upper
225	100		
223	61.5	31.1	93.5
227	68.3	31.8	95.3



#95
Naphthalene
Concen: 0.461 ug/l
RT: 13.780 min Scan# 2082
Delta R.T. 0.006 min
Lab File: VX047546.D
Acq: 28 Aug 2025 13:26

Tgt Ion:	128	Resp:	4835
Ion	Ratio	Lower	Upper
128	100		
127	12.7	10.0	15.0
129	10.6	8.7	13.1





#96
 1,2,3-Trichlorobenzene
 Concen: 0.718 ug/l
 RT: 13.957 min Scan# 2111
 Delta R.T. -0.000 min
 Lab File: VX047546.D
 Acq: 28 Aug 2025 13:26

Instrument :
 MSVOA_X
 ClientSampleId :
 IBLK

Tgt Ion:180 Resp: 2419
 Ion Ratio Lower Upper
 180 100
 182 92.1 48.1 144.4
 145 31.5 17.6 52.9

