

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX080825\
 Data File : VX047264.D
 Acq On : 08 Aug 2025 11:30
 Operator : JC/MD
 Sample : VX0808MBL01
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_X/MEOH
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0808MBL01

Quant Time: Aug 11 01:56:41 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 22 03:59:51 2025
 Response via : Initial Calibration

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

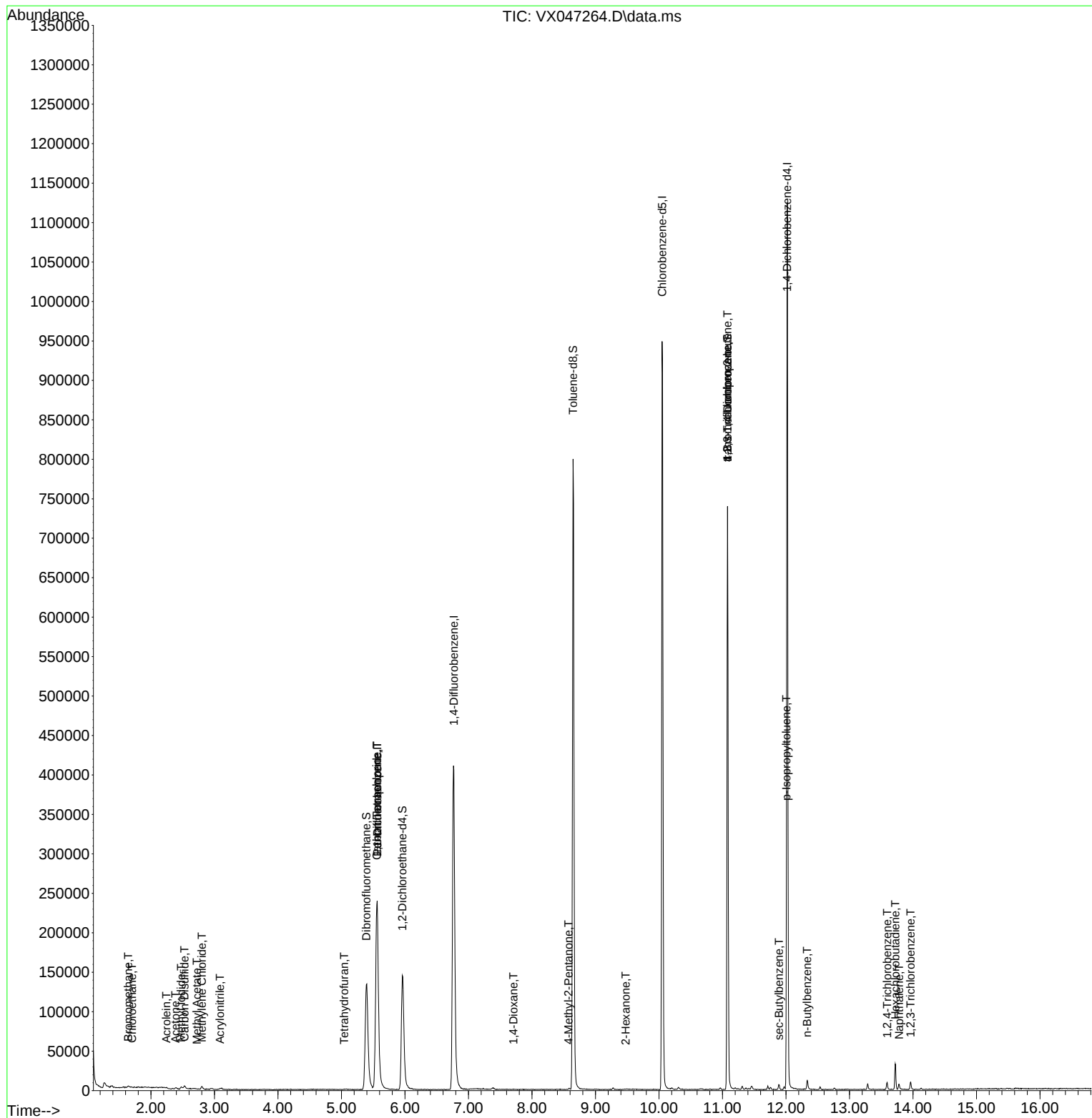
Internal Standards						
1) Pentafluorobenzene	5.562	168	241959	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	450468	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	434510	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	219448	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	155603	51.626	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 103.260%	
35) Dibromofluoromethane	5.391	113	129121	46.424	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 92.840%	
50) Toluene-d8	8.647	98	481018	53.403	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 106.800%	
62) 4-Bromofluorobenzene	11.079	95	198130	51.043	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 102.080%	
Target Compounds						
					Qvalue	
5) Bromomethane	1.642	94	1042	0.561	ug/l	82
6) Chloroethane	1.703	64	576	0.257	ug/l #	43
10) Methyl Iodide	2.477	142	5442	1.739	ug/l #	86
11) Tert butyl alcohol	2.959	59	160	Below Cal	#	72
13) Acrolein	2.239	56	459	0.707	ug/l #	46
15) Acrylonitrile	3.087	53	582	0.405	ug/l #	50
16) Acetone	2.386	43	2893	2.396	ug/l #	89
17) Carbon Disulfide	2.526	76	4904	0.557	ug/l	99
18) Methyl Acetate	2.721	43	676	0.211	ug/l #	54
20) Methylene Chloride	2.800	84	1406	0.423	ug/l #	77
29) Tetrahydrofuran	5.044	42	336	0.296	ug/l #	35
36) 1,1-Dichloropropene	5.562	75	20322	4.286	ug/l #	51
38) Carbon Tetrachloride	5.556	117	24924	4.925	ug/l #	14
49) 1,4-Dioxane	7.708	88	19	0.450	ug/l #	1
51) 4-Methyl-2-Pentanone	8.574	43	934	0.231	ug/l #	77
59) 2-Hexanone	9.476	43	666	0.249	ug/l	98
76) 1,2,3-Trichloropropane	11.079	75	101765	25.054	ug/l #	35
81) trans-1,4-Dichloro-2-b...	11.079	75	101765	64.548	ug/l #	8
85) sec-Butylbenzene	11.890	105	3758	0.210	ug/l	97
86) p-Isopropyltoluene	12.006	119	3373	0.227	ug/l #	75
89) n-Butylbenzene	12.329	91	5127	0.368	ug/l	97
93) 1,2,4-Trichlorobenzene	13.591	180	2602	0.522	ug/l	95
94) Hexachlorobutadiene	13.719	225	4313	2.545	ug/l	97
95) Naphthalene	13.780	128	5967	0.409	ug/l #	94
96) 1,2,3-Trichlorobenzene	13.963	180	2513	0.524	ug/l	92

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

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Sample : VX0808MBL01
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ALS Vial : 3 Sample Multiplier: 1

Instrument :
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VX0808MBL01

Quant Time: Aug 11 01:56:41 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.M
Quant Title : SW846 8260
QLast Update : Tue Jul 22 03:59:51 2025
Response via : Initial Calibration

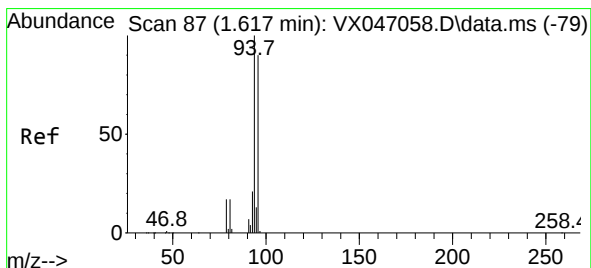
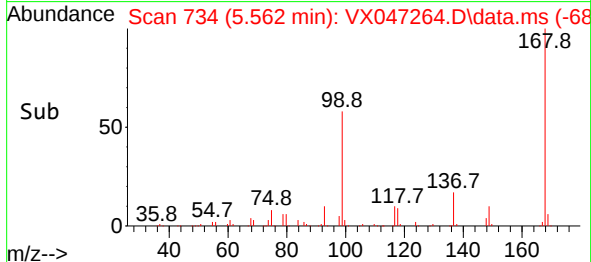
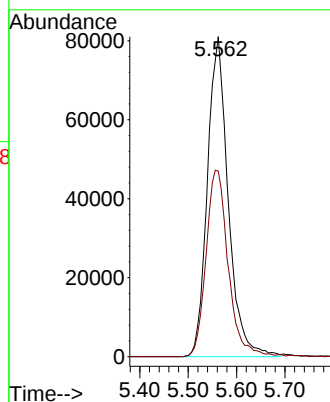
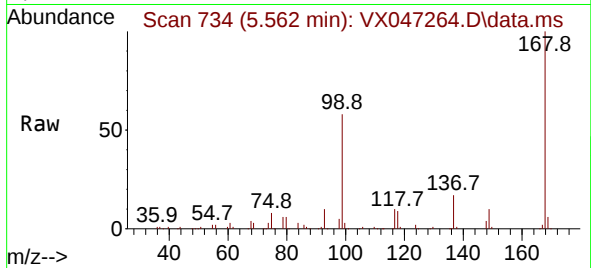




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 71
Delta R.T. 0.000 min
Lab File: VX047264.D
Acq: 08 Aug 2025 11:30

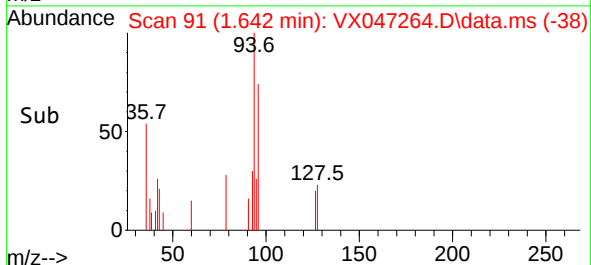
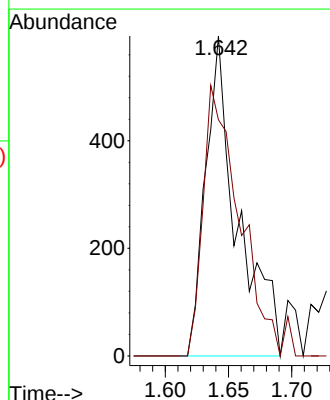
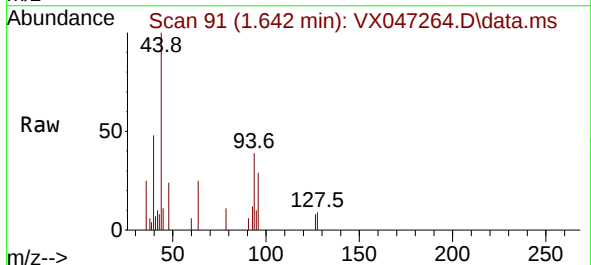
Instrument :
MSVOA_X
ClientSampleId :
VX0808MBL01

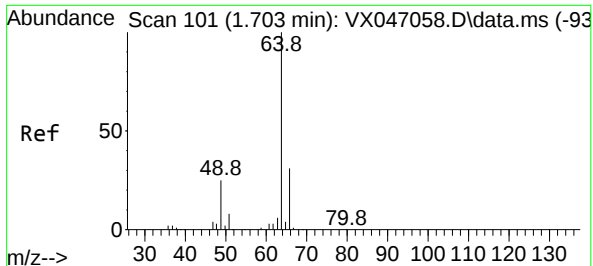
Tgt Ion:168 Resp: 241959
Ion Ratio Lower Upper
168 100
99 58.0 48.0 72.0



#5
Bromomethane
Concen: 0.561 ug/l
RT: 1.642 min Scan# 91
Delta R.T. 0.025 min
Lab File: VX047264.D
Acq: 08 Aug 2025 11:30

Tgt Ion: 94 Resp: 1042
Ion Ratio Lower Upper
94 100
96 73.8 72.3 108.5

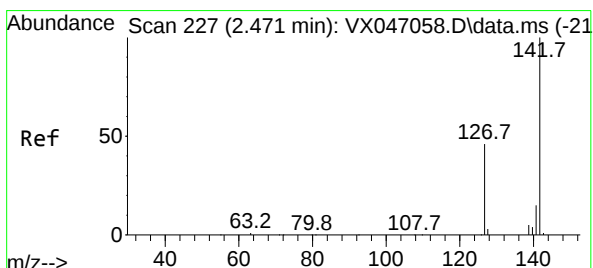
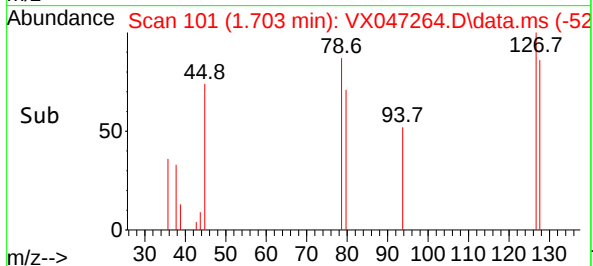
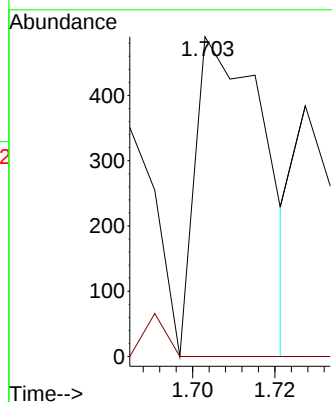
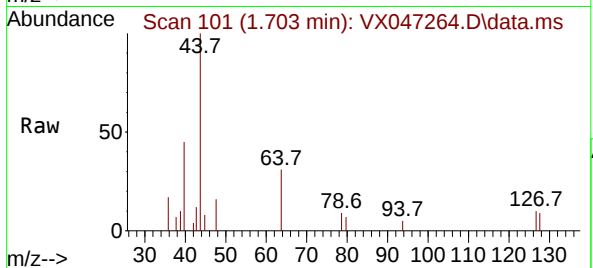




#6
Chloroethane
Concen: 0.257 ug/l
RT: 1.703 min Scan# 101
Delta R.T. 0.000 min
Lab File: VX047264.D
Acq: 08 Aug 2025 11:30

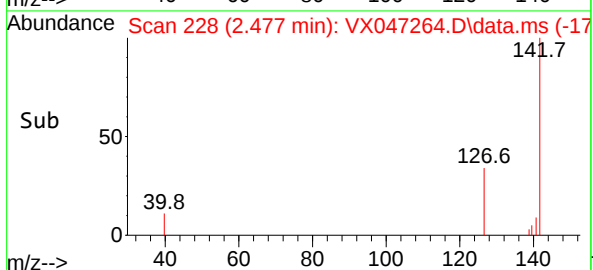
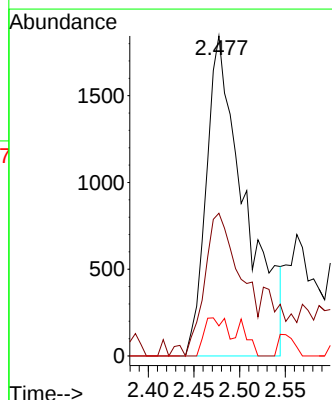
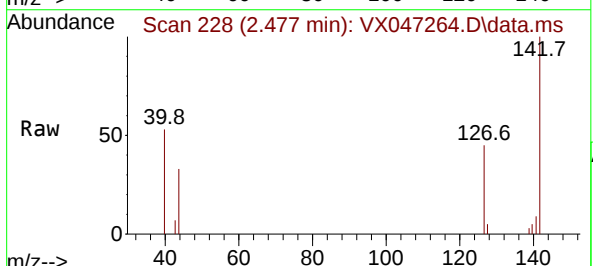
Instrument :
MSVOA_X
ClientSampleId :
VX0808MBL01

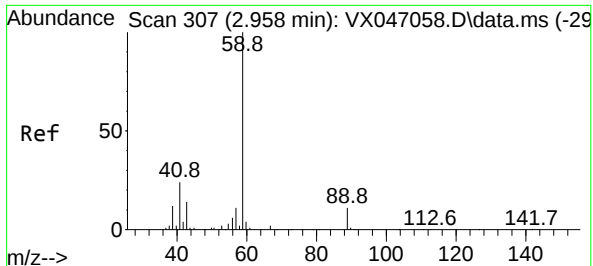
Tgt Ion: 64 Resp: 576
Ion Ratio Lower Upper
64 100
66 0.0 25.0 37.6#



#10
Methyl Iodide
Concen: 1.739 ug/l
RT: 2.477 min Scan# 228
Delta R.T. 0.007 min
Lab File: VX047264.D
Acq: 08 Aug 2025 11:30

Tgt Ion:142 Resp: 5442
Ion Ratio Lower Upper
142 100
127 36.4 36.6 54.8#
141 7.6 10.9 16.3#





#11

Tert butyl alcohol

Concen: Below Cal

RT: 2.959 min Scan# 307

Delta R.T. 0.001 min

Lab File: VX047264.D

Acq: 08 Aug 2025 11:30

Instrument :

MSVOA_X

ClientSampleId :

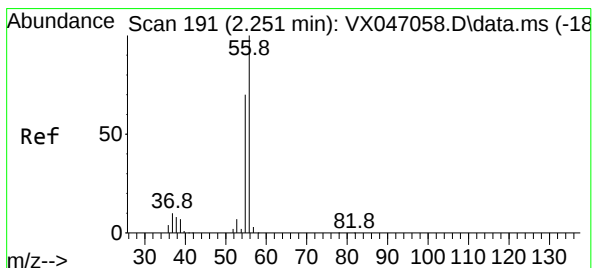
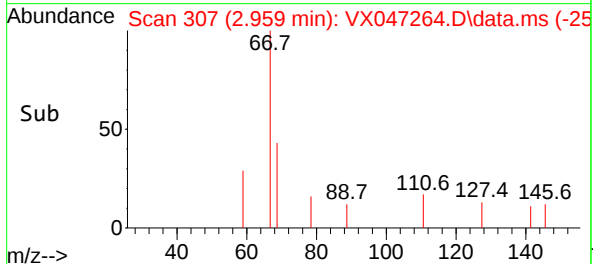
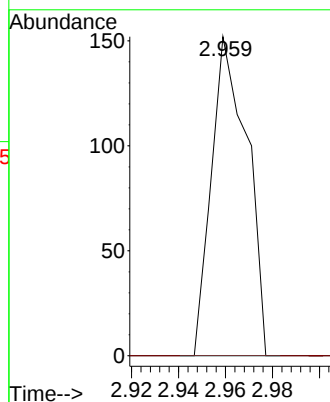
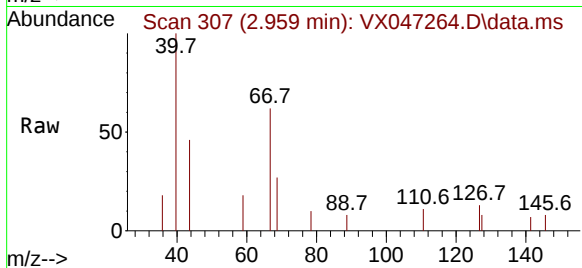
VX0808MBL01

Tgt Ion: 59 Resp: 160

Ion Ratio Lower Upper

59 100

57 0.0 8.5 12.7#



#13

Acrolein

Concen: 0.707 ug/l

RT: 2.239 min Scan# 189

Delta R.T. -0.012 min

Lab File: VX047264.D

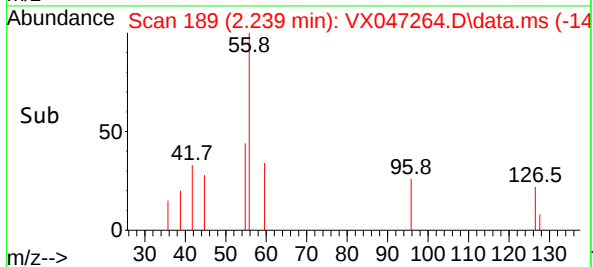
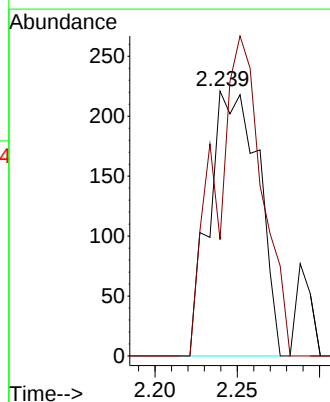
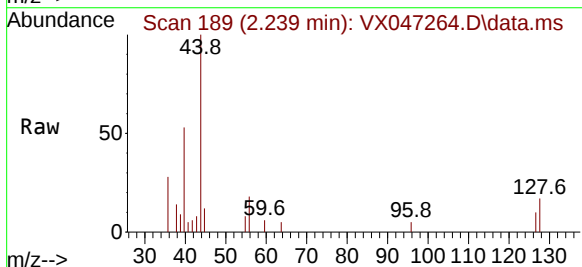
Acq: 08 Aug 2025 11:30

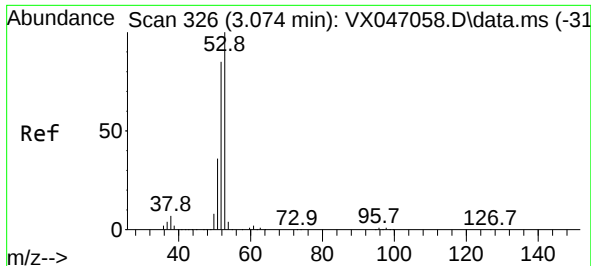
Tgt Ion: 56 Resp: 459

Ion Ratio Lower Upper

56 100

55 114.2 55.7 83.5#

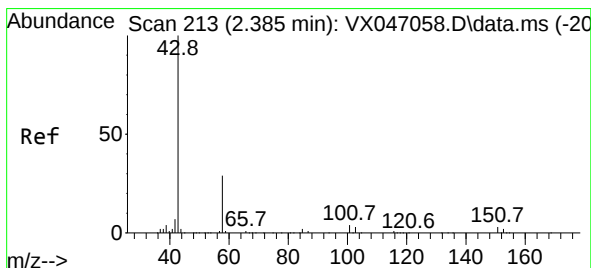
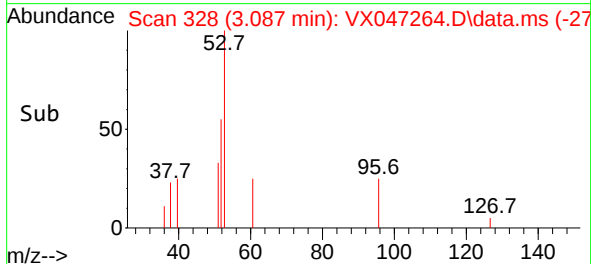
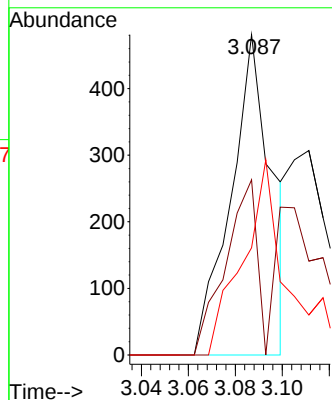
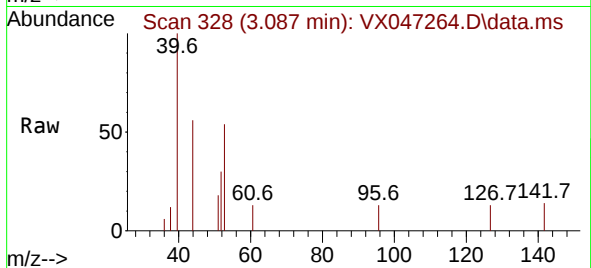




#15
Acrylonitrile
Concen: 0.405 ug/l
RT: 3.087 min Scan# 31
Delta R.T. 0.013 min
Lab File: VX047264.D
Acq: 08 Aug 2025 11:30

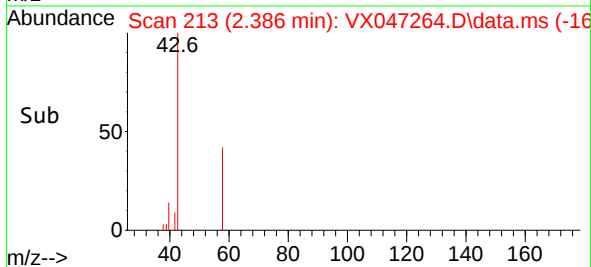
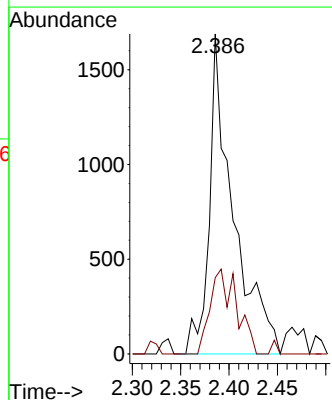
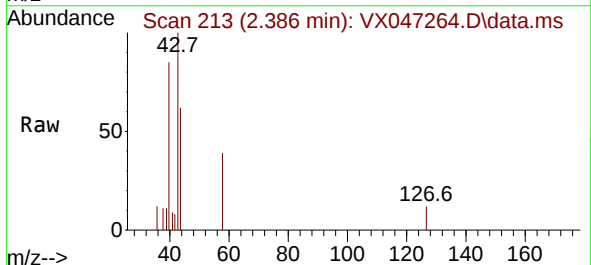
Instrument :
MSVOA_X
ClientSampleId :
VX0808MBL01

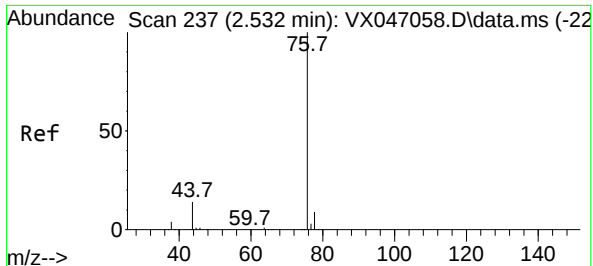
Tgt Ion: 53 Resp: 582
Ion Ratio Lower Upper
53 100
52 41.9 65.7 98.5#
51 0.0 28.8 43.2#



#16
Acetone
Concen: 2.396 ug/l
RT: 2.386 min Scan# 213
Delta R.T. 0.000 min
Lab File: VX047264.D
Acq: 08 Aug 2025 11:30

Tgt Ion: 43 Resp: 2893
Ion Ratio Lower Upper
43 100
58 23.9 24.0 36.0#

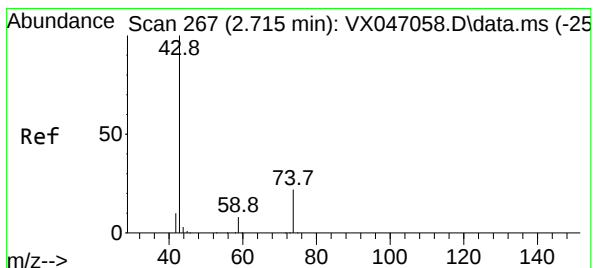
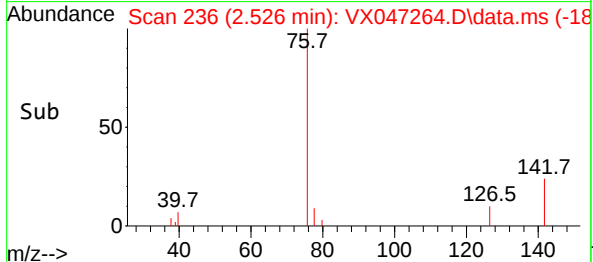
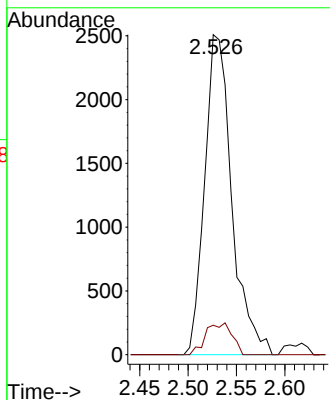
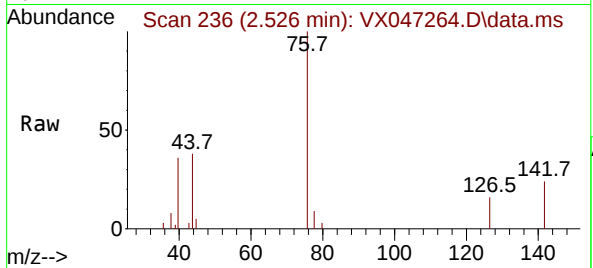




#17
Carbon Disulfide
Concen: 0.557 ug/l
RT: 2.526 min Scan# 21
Delta R.T. -0.006 min
Lab File: VX047264.D
Acq: 08 Aug 2025 11:30

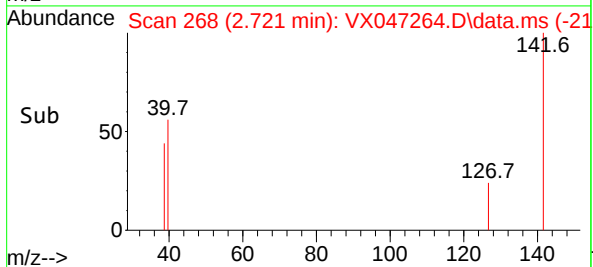
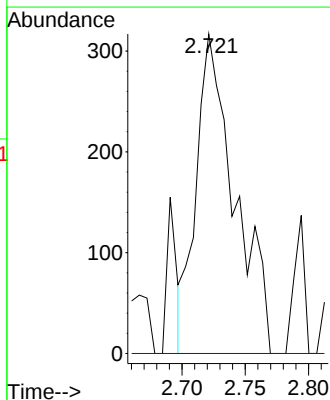
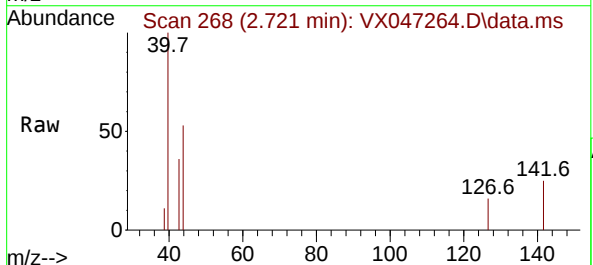
Instrument :
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ClientSampleId :
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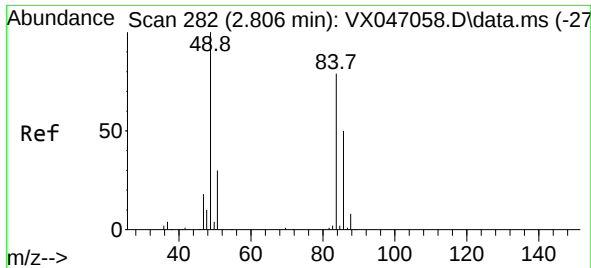
Tgt Ion: 76 Resp: 4904
Ion Ratio Lower Upper
76 100
78 9.2 7.0 10.4



#18
Methyl Acetate
Concen: 0.211 ug/l
RT: 2.721 min Scan# 268
Delta R.T. 0.007 min
Lab File: VX047264.D
Acq: 08 Aug 2025 11:30

Tgt Ion: 43 Resp: 676
Ion Ratio Lower Upper
43 100
74 0.0 17.7 26.5#

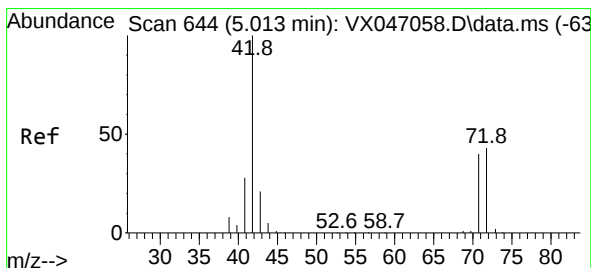
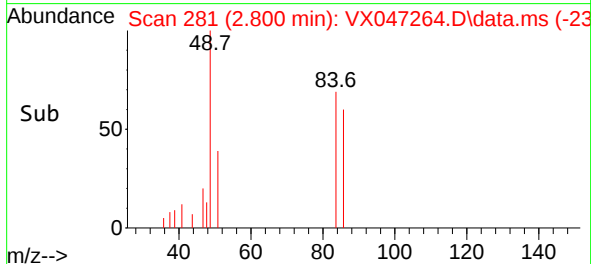
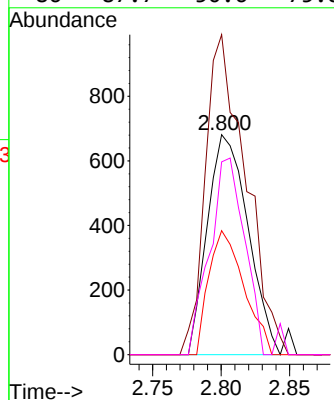
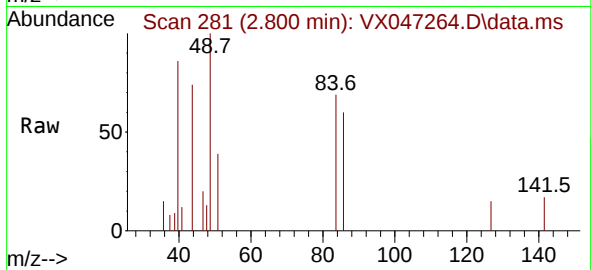




#20
Methylene Chloride
Concen: 0.423 ug/l
RT: 2.800 min Scan# 21
Delta R.T. -0.006 min
Lab File: VX047264.D
Acq: 08 Aug 2025 11:30

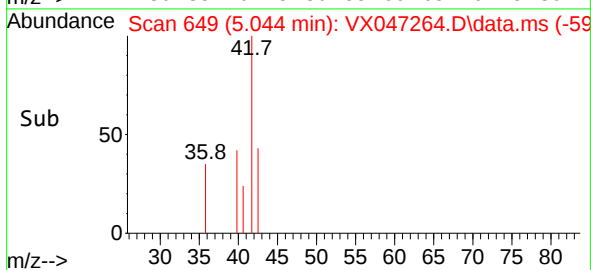
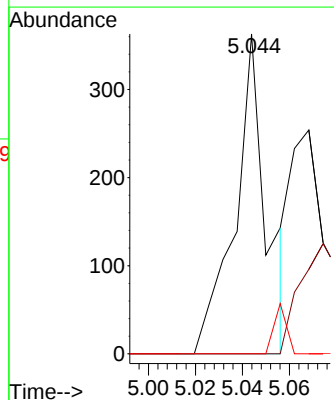
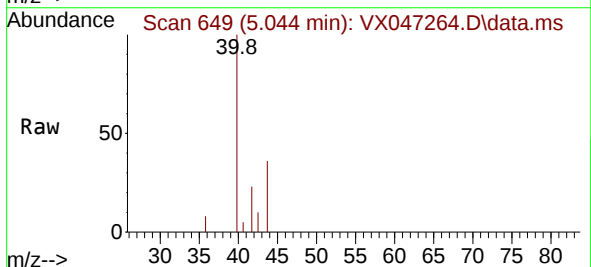
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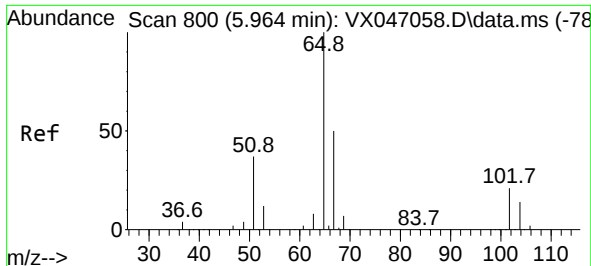
Tgt Ion:	84	Resp:	1406
Ion	Ratio	Lower	Upper
84	100		
49	145.5	101.6	152.4
51	56.4	30.3	45.5#
86	87.7	50.6	75.8#



#29
Tetrahydrofuran
Concen: 0.296 ug/l
RT: 5.044 min Scan# 649
Delta R.T. 0.031 min
Lab File: VX047264.D
Acq: 08 Aug 2025 11:30

Tgt Ion:	42	Resp:	336
Ion	Ratio	Lower	Upper
42	100		
72	0.0	33.7	50.5#
71	0.0	31.0	46.4#





#33

1,2-Dichloroethane-d4

Concen: 51.626 ug/l

RT: 5.958 min Scan# 799

Delta R.T. -0.006 min

Lab File: VX047264.D

Acq: 08 Aug 2025 11:30

Instrument :

MSVOA_X

ClientSampleId :

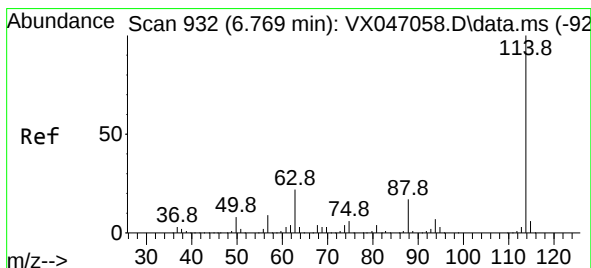
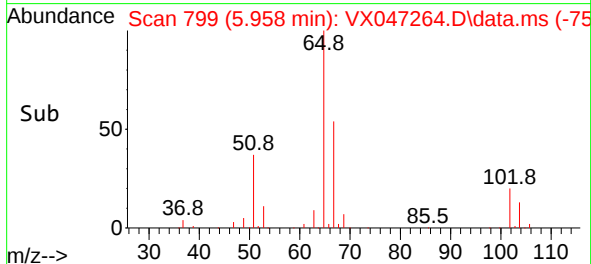
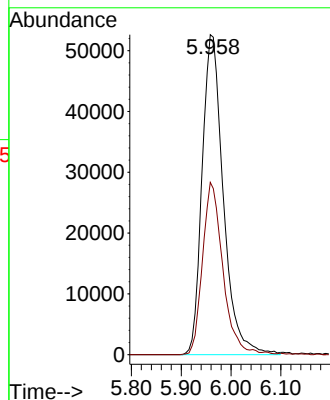
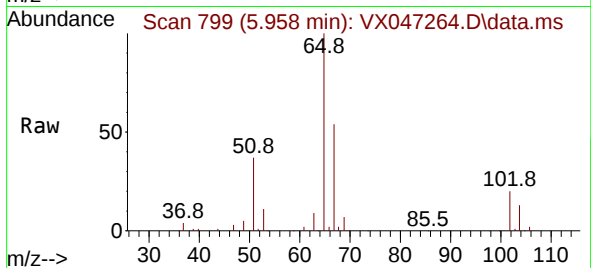
VX0808MBL01

Tgt Ion: 65 Resp: 155603

Ion Ratio Lower Upper

65 100

67 51.4 0.0 104.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.769 min Scan# 932

Delta R.T. 0.000 min

Lab File: VX047264.D

Acq: 08 Aug 2025 11:30

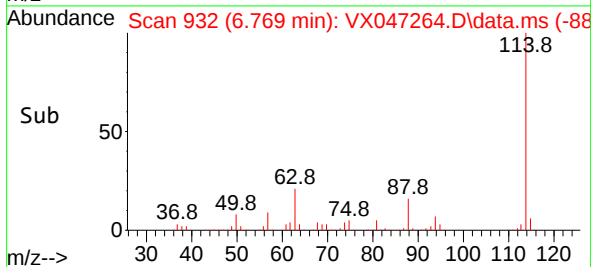
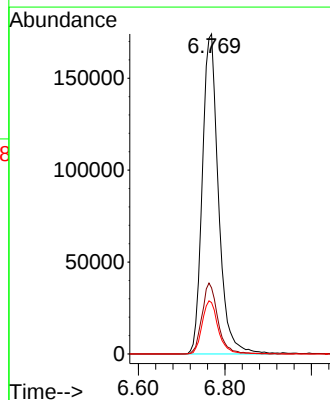
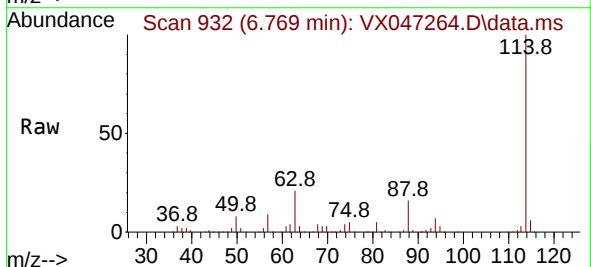
Tgt Ion: 114 Resp: 450468

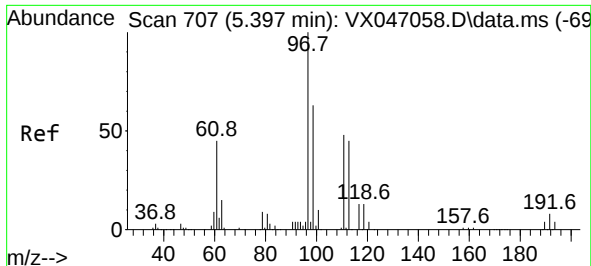
Ion Ratio Lower Upper

114 100

63 20.6 0.0 43.2

88 16.1 0.0 33.8

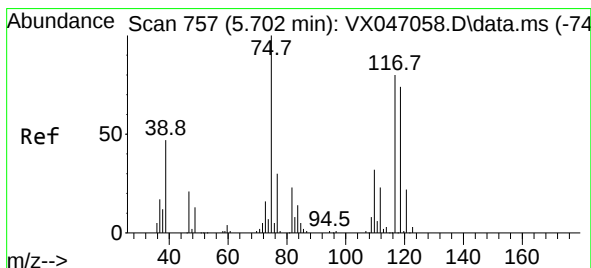
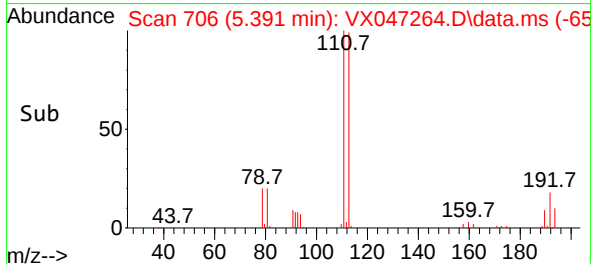
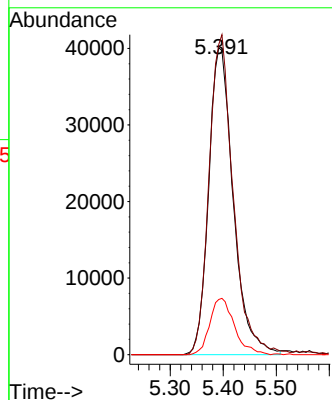
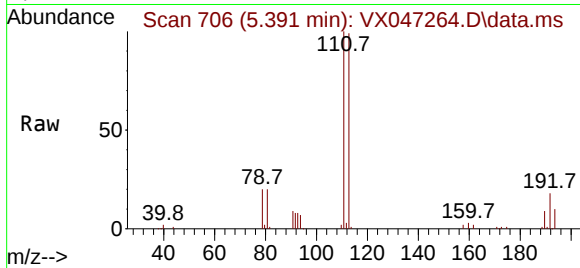




#35
Dibromofluoromethane
Concen: 46.424 ug/l
RT: 5.391 min Scan# 707
Delta R.T. -0.006 min
Lab File: VX047264.D
Acq: 08 Aug 2025 11:30

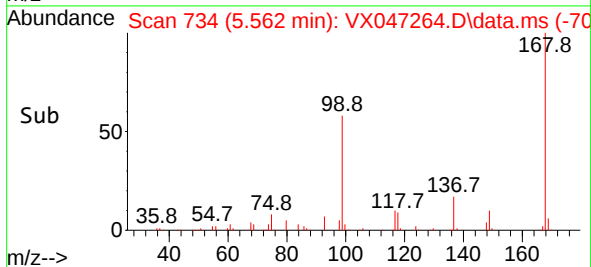
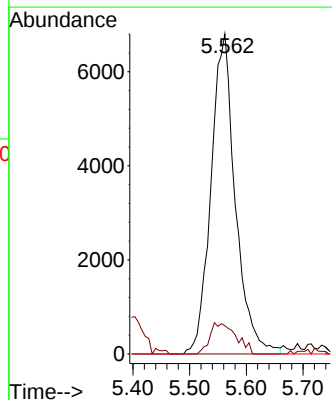
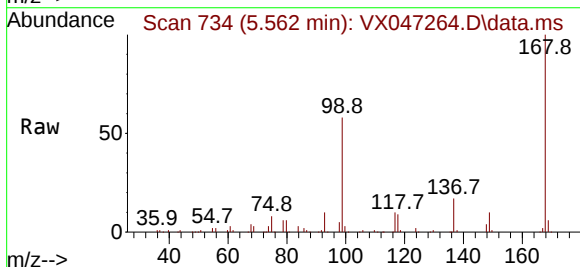
Instrument :
MSVOA_X
ClientSampleId :
VX0808MBL01

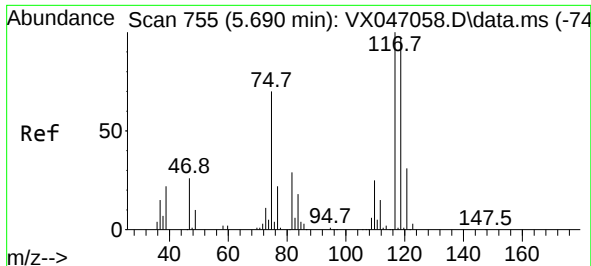
Tgt Ion:113 Resp: 129121
Ion Ratio Lower Upper
113 100
111 102.5 82.6 124.0
192 18.4 14.9 22.3



#36
1,1-Dichloropropene
Concen: 4.286 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.140 min
Lab File: VX047264.D
Acq: 08 Aug 2025 11:30

Tgt Ion: 75 Resp: 20322
Ion Ratio Lower Upper
75 100
110 10.4 17.2 51.5#
77 0.0 25.1 37.7#

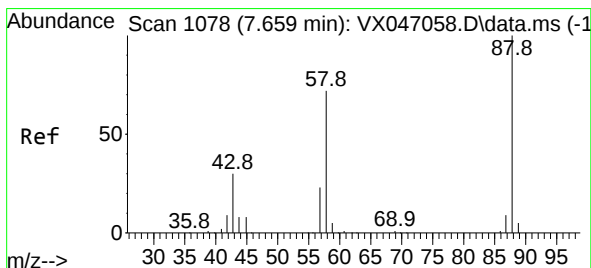
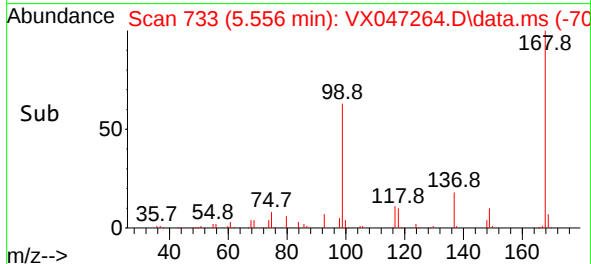
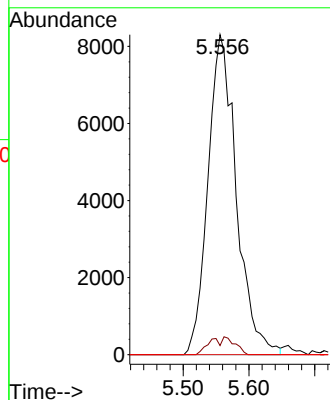
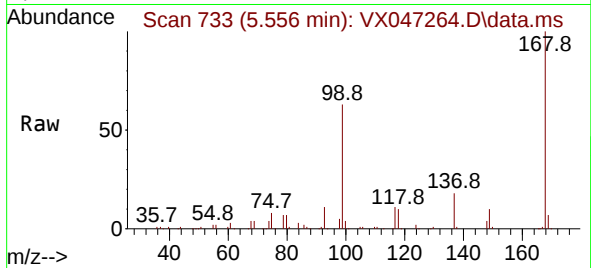




#38
Carbon Tetrachloride
Concen: 4.925 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.134 min
Lab File: VX047264.D
Acq: 08 Aug 2025 11:30

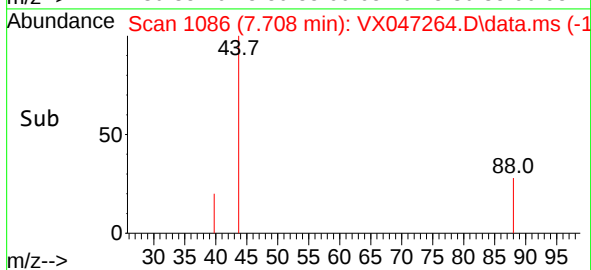
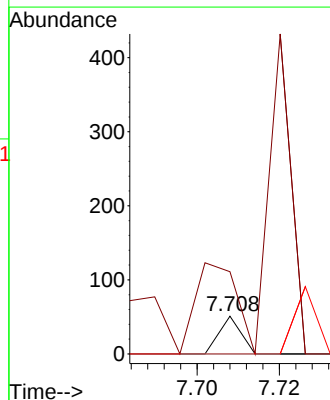
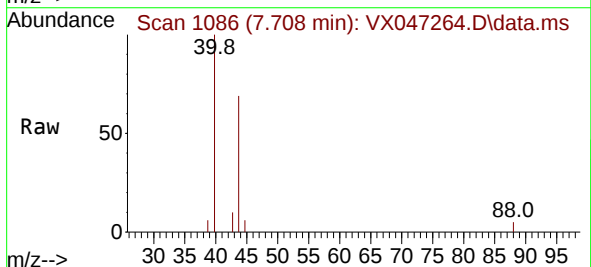
Instrument :
MSVOA_X
ClientSampleId :
VX0808MBL01

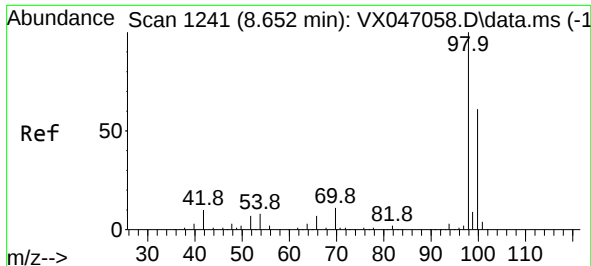
Tgt Ion:117 Resp: 24924
Ion Ratio Lower Upper
117 100
119 2.9 76.6 115.0#
121 0.0 24.4 36.6#



#49
1,4-Dioxane
Concen: 0.450 ug/l
RT: 7.708 min Scan# 1086
Delta R.T. 0.049 min
Lab File: VX047264.D
Acq: 08 Aug 2025 11:30

Tgt Ion: 88 Resp: 19
Ion Ratio Lower Upper
88 100
43 1284.2 33.6 50.4#
58 173.7 58.8 88.2#

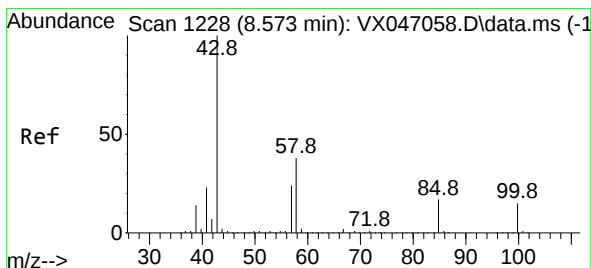
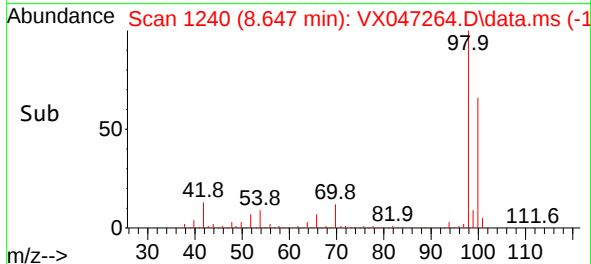
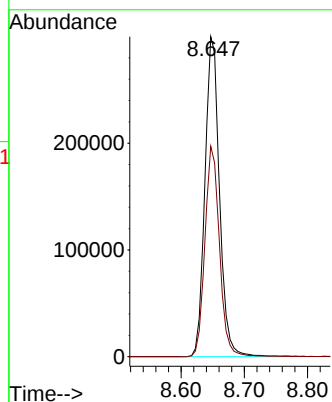
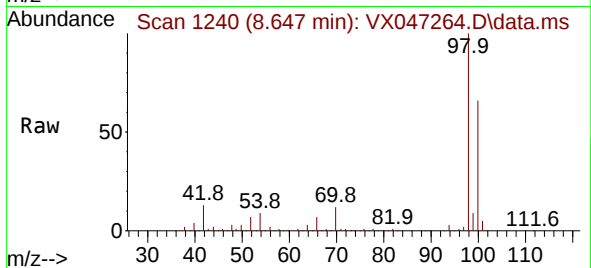




#50
Toluene-d8
Concen: 53.403 ug/l
RT: 8.647 min Scan# 11
Delta R.T. -0.006 min
Lab File: VX047264.D
Acq: 08 Aug 2025 11:30

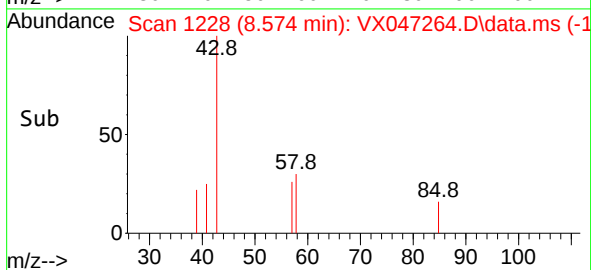
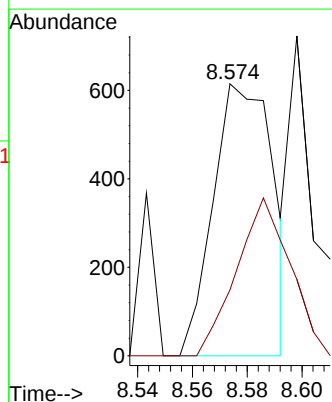
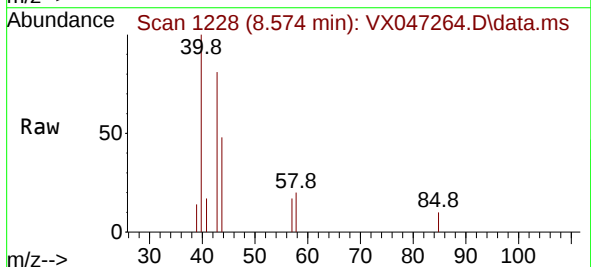
Instrument :
MSVOA_X
ClientSampleId :
VX0808MBL01

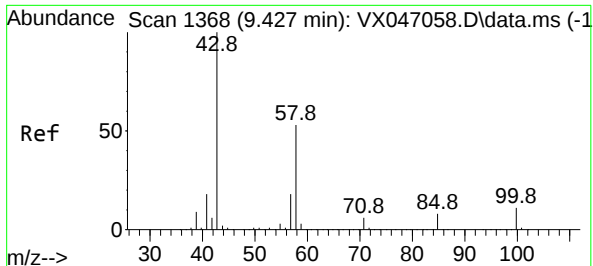
Tgt Ion: 98 Resp: 481018
Ion Ratio Lower Upper
98 100
100 65.9 53.3 79.9



#51
4-Methyl-2-Pentanone
Concen: 0.231 ug/l
RT: 8.574 min Scan# 1228
Delta R.T. 0.000 min
Lab File: VX047264.D
Acq: 08 Aug 2025 11:30

Tgt Ion: 43 Resp: 934
Ion Ratio Lower Upper
43 100
58 51.9 30.6 45.8#

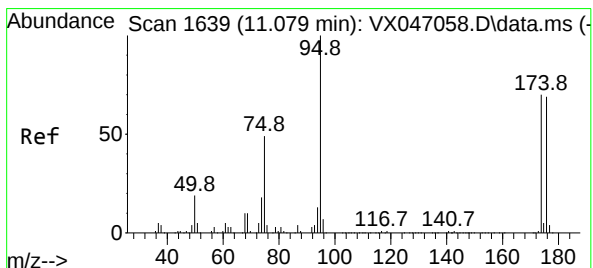
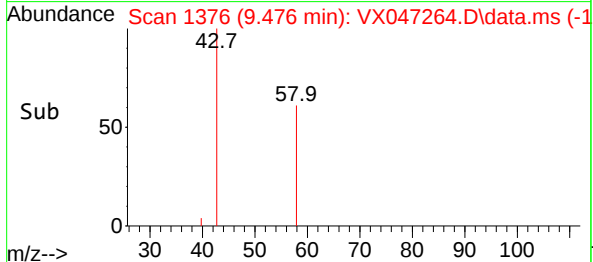
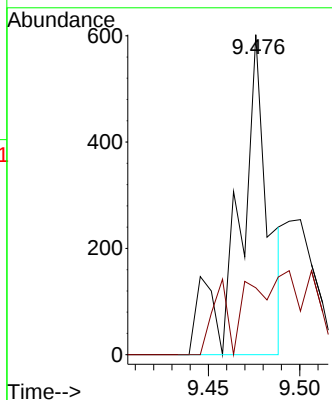
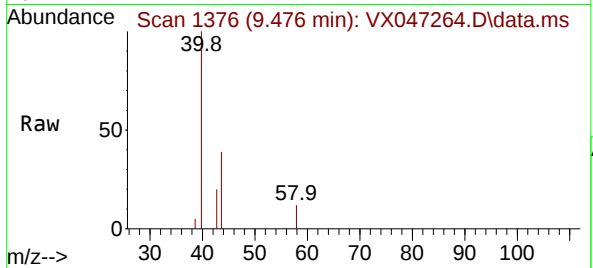




#59
2-Hexanone
Concen: 0.249 ug/l
RT: 9.476 min Scan# 11
Delta R.T. 0.049 min
Lab File: VX047264.D
Acq: 08 Aug 2025 11:30

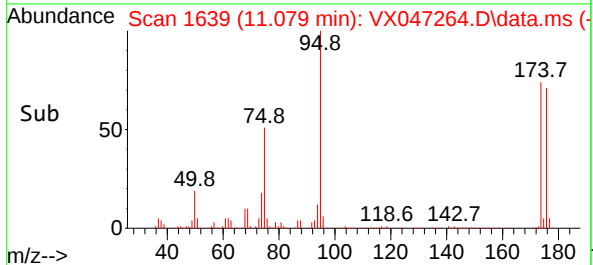
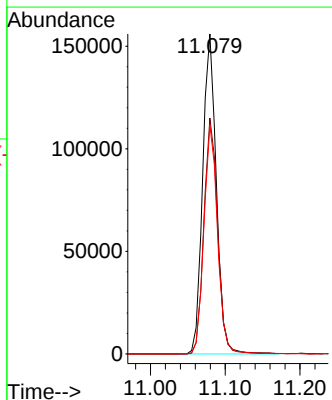
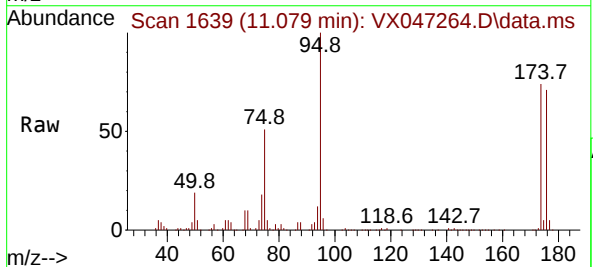
Instrument :
MSVOA_X
ClientSampleId :
VX0808MBL01

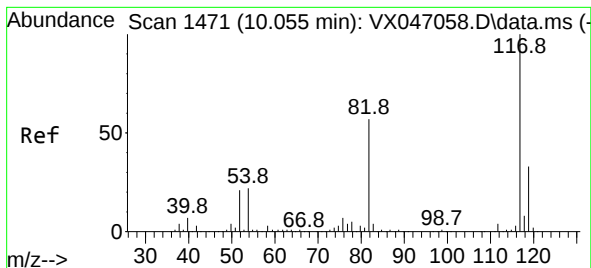
Tgt Ion: 43 Resp: 666
Ion Ratio Lower Upper
43 100
58 54.5 26.5 79.5



#62
4-Bromofluorobenzene
Concen: 51.043 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX047264.D
Acq: 08 Aug 2025 11:30

Tgt Ion: 95 Resp: 198130
Ion Ratio Lower Upper
95 100
174 74.3 0.0 144.6
176 71.6 0.0 139.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.049 min Scan# 1471

Delta R.T. -0.006 min

Lab File: VX047264.D

Acq: 08 Aug 2025 11:30

Instrument :

MSVOA_X

ClientSampleId :

VX0808MBL01

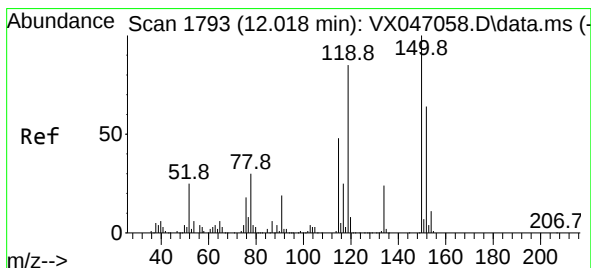
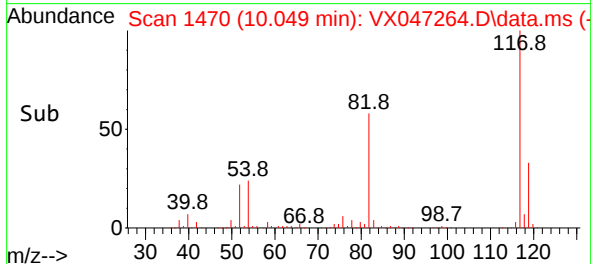
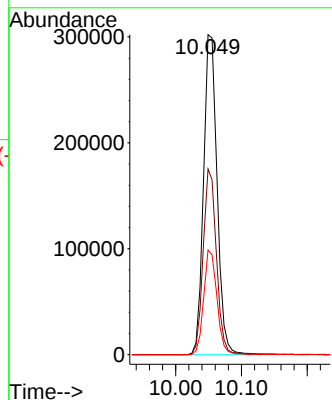
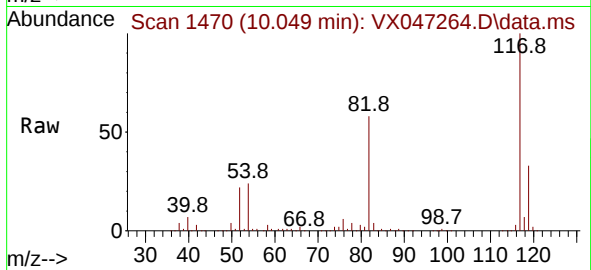
Tgt Ion:117 Resp: 434510

Ion Ratio Lower Upper

117 100

82 58.0 45.4 68.2

119 32.7 26.1 39.1



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.018 min Scan# 1793

Delta R.T. 0.000 min

Lab File: VX047264.D

Acq: 08 Aug 2025 11:30

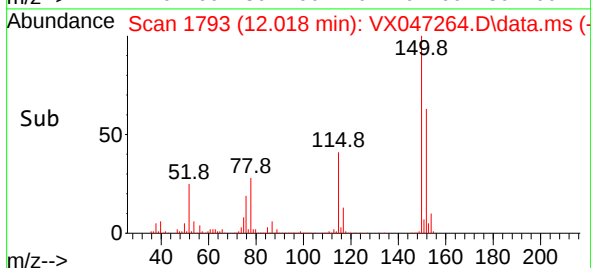
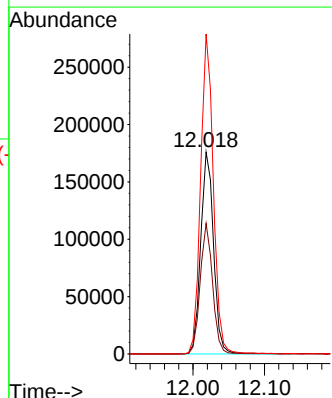
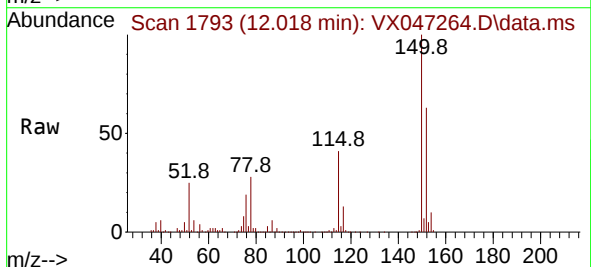
Tgt Ion:152 Resp: 219448

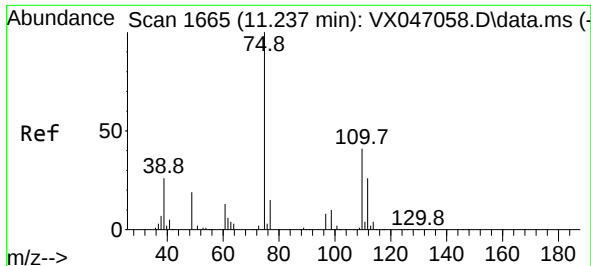
Ion Ratio Lower Upper

152 100

115 62.5 45.6 136.7

150 157.0 0.0 354.6

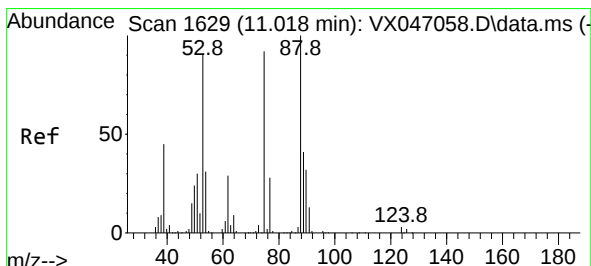
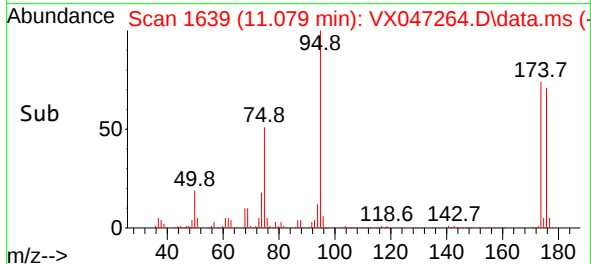
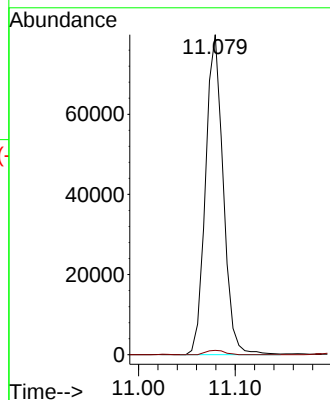
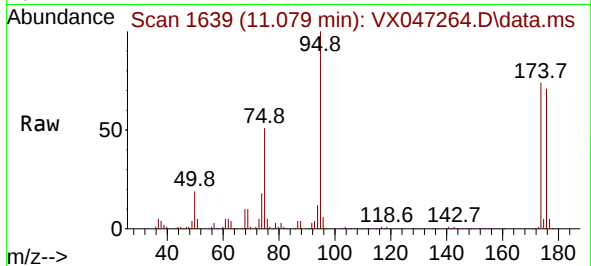




#76
1,2,3-Trichloropropane
Concen: 25.054 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.158 min
Lab File: VX047264.D
Acq: 08 Aug 2025 11:30

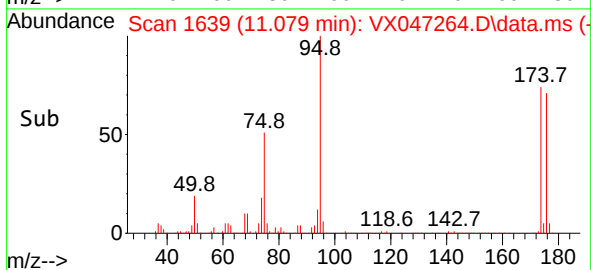
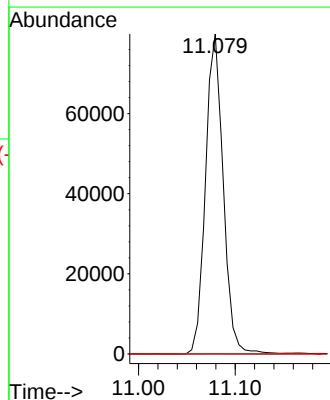
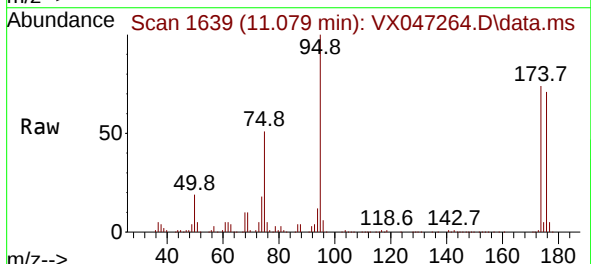
Instrument :
MSVOA_X
ClientSampleId :
VX0808MBL01

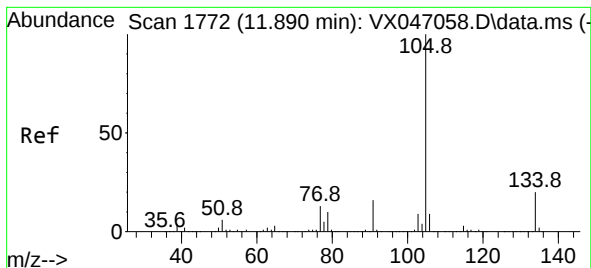
Tgt Ion: 75 Resp: 101765
Ion Ratio Lower Upper
75 100
77 1.5 21.6 65.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 64.548 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX047264.D
Acq: 08 Aug 2025 11:30

Tgt Ion: 75 Resp: 101765
Ion Ratio Lower Upper
75 100
53 0.0 84.2 126.4#
89 0.0 36.0 54.0#





#85

sec-Butylbenzene

Concen: 0.210 ug/l

RT: 11.890 min Scan# 1772

Delta R.T. 0.000 min

Lab File: VX047264.D

Acq: 08 Aug 2025 11:30

Instrument :

MSVOA_X

ClientSampleId :

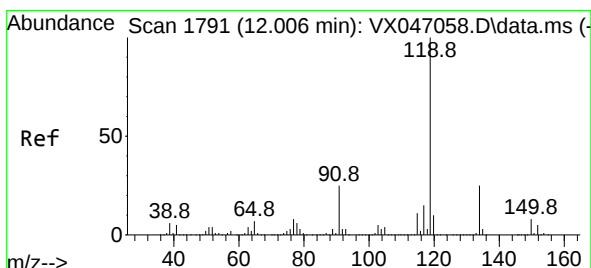
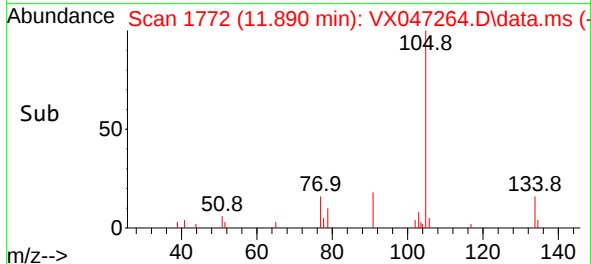
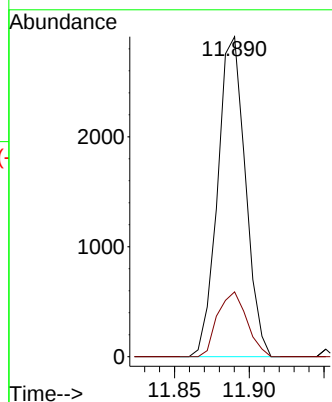
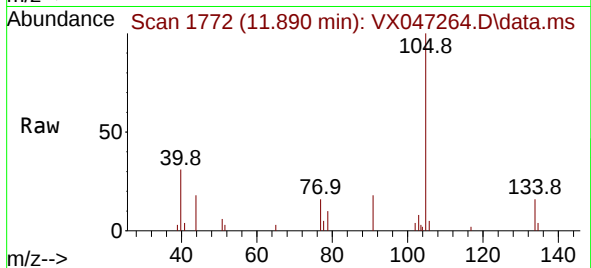
VX0808MBL01

Tgt Ion:105 Resp: 3758

Ion Ratio Lower Upper

105 100

134 21.3 9.9 29.7



#86

p-Isopropyltoluene

Concen: 0.227 ug/l

RT: 12.006 min Scan# 1791

Delta R.T. 0.000 min

Lab File: VX047264.D

Acq: 08 Aug 2025 11:30

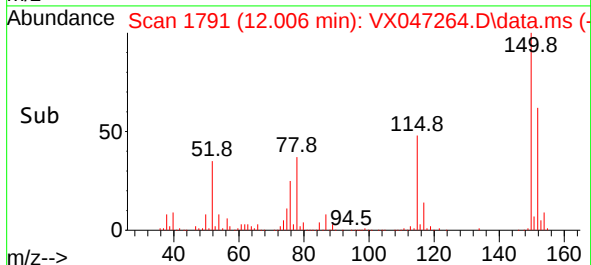
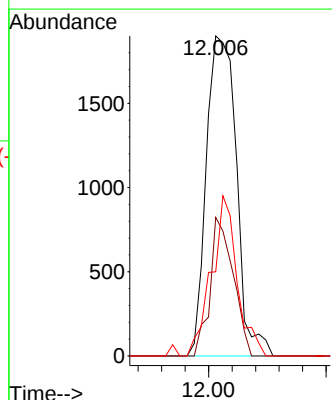
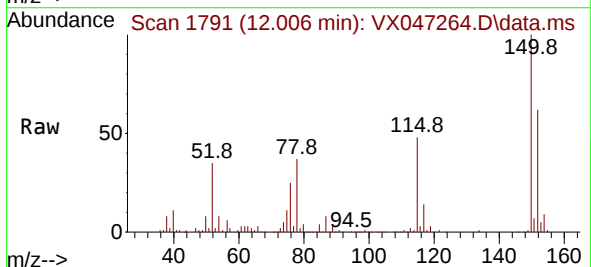
Tgt Ion:119 Resp: 3373

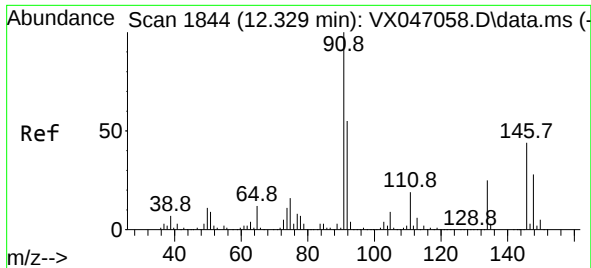
Ion Ratio Lower Upper

119 100

134 33.4 12.8 38.4

91 42.3 12.4 37.4#

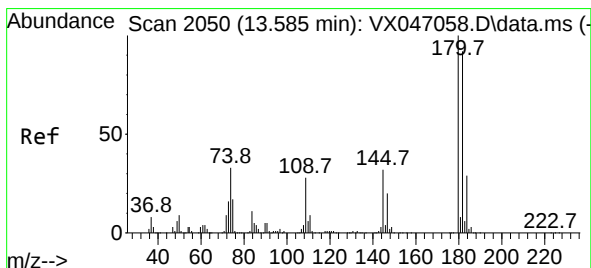
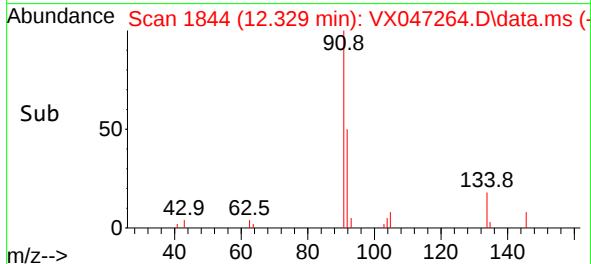
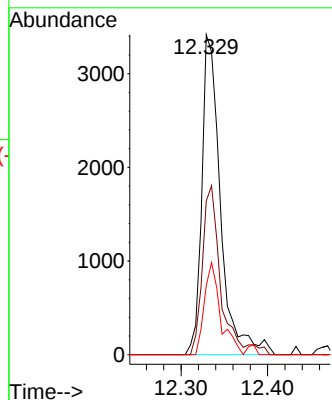
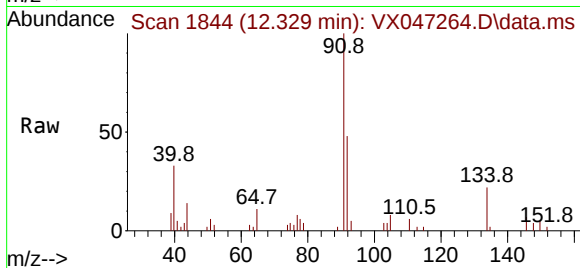




#89
n-Butylbenzene
Concen: 0.368 ug/l
RT: 12.329 min Scan# 1844
Delta R.T. 0.000 min
Lab File: VX047264.D
Acq: 08 Aug 2025 11:30

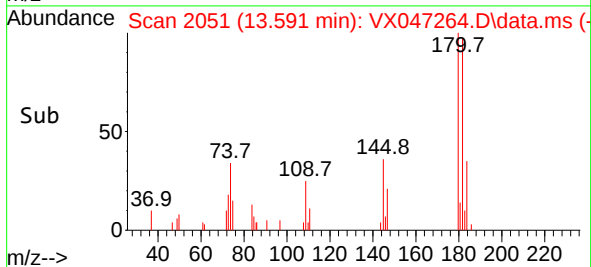
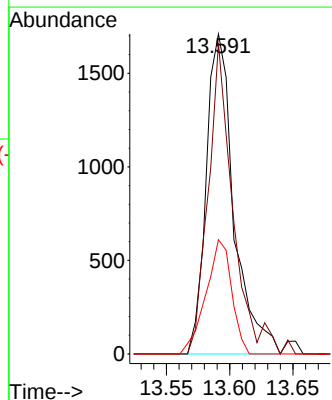
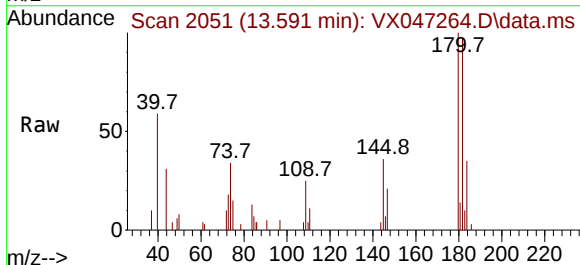
Instrument :
MSVOA_X
ClientSampleId :
VX0808MBL01

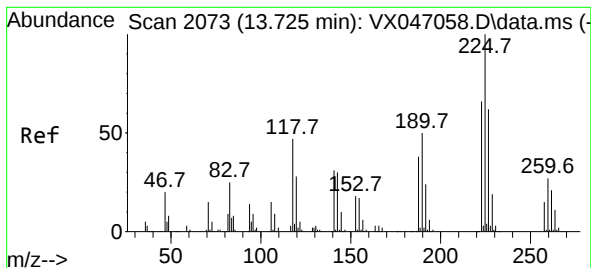
Tgt Ion:	91	Resp:	5127
Ion	Ratio	Lower	Upper
91	100		
92	52.0	27.5	82.5
134	24.8	12.8	38.3



#93
1,2,4-Trichlorobenzene
Concen: 0.522 ug/l
RT: 13.591 min Scan# 2051
Delta R.T. 0.007 min
Lab File: VX047264.D
Acq: 08 Aug 2025 11:30

Tgt Ion:	180	Resp:	2602
Ion	Ratio	Lower	Upper
180	100		
182	87.7	47.3	141.8
145	33.2	16.4	49.1





#94

Hexachlorobutadiene

Concen: 2.545 ug/l

RT: 13.719 min Scan# 2072

Delta R.T. -0.006 min

Lab File: VX047264.D

Acq: 08 Aug 2025 11:30

Instrument :

MSVOA_X

ClientSampleId :

VX0808MBL01

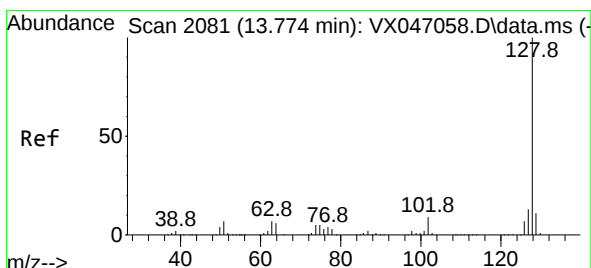
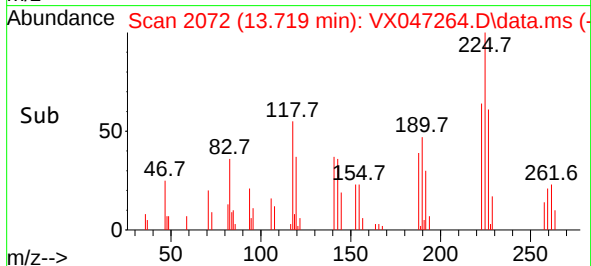
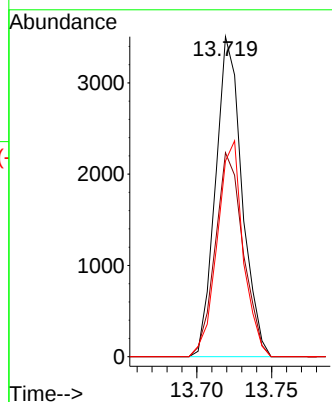
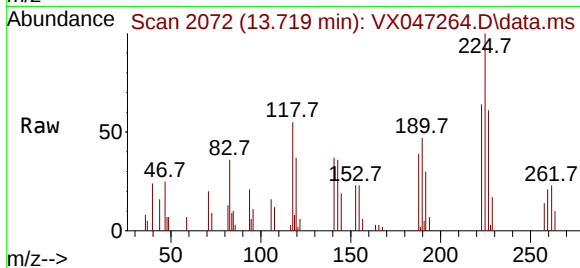
Tgt Ion:225 Resp: 4313

Ion Ratio Lower Upper

225 100

223 67.4 31.6 95.0

227 66.0 32.9 98.6



#95

Naphthalene

Concen: 0.409 ug/l

RT: 13.780 min Scan# 2082

Delta R.T. 0.007 min

Lab File: VX047264.D

Acq: 08 Aug 2025 11:30

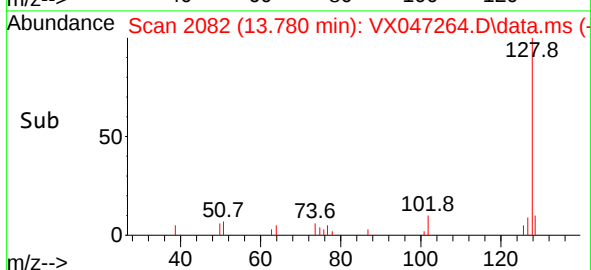
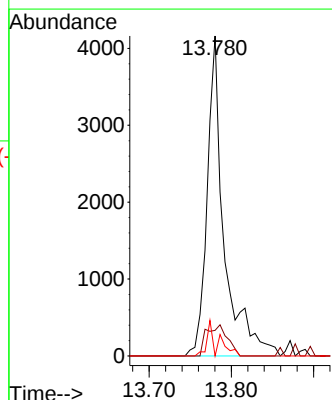
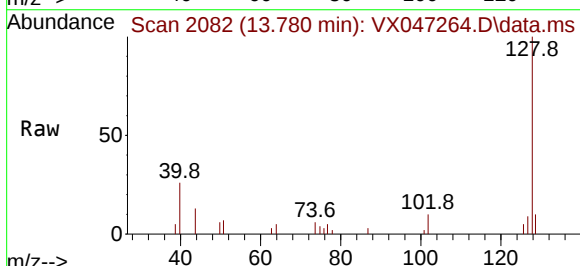
Tgt Ion:128 Resp: 5967

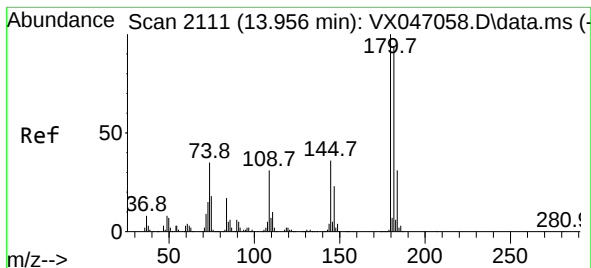
Ion Ratio Lower Upper

128 100

127 12.0 10.1 15.1

129 6.9 8.6 13.0#





#96

1,2,3-Trichlorobenzene

Concen: 0.524 ug/l

RT: 13.963 min Scan# 2112

Delta R.T. 0.007 min

Lab File: VX047264.D

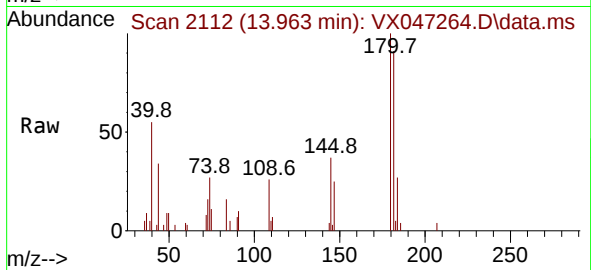
Acq: 08 Aug 2025 11:30

Instrument :

MSVOA_X

ClientSampleId :

VX0808MBL01



Tgt Ion:180 Resp: 2513

Ion Ratio Lower Upper

180 100

182 102.3 46.9 140.6

145 32.0 17.3 52.0

