

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081225\
 Data File : VX047285.D
 Acq On : 12 Aug 2025 10:29
 Operator : JC/MD
 Sample : VX0812MBL01
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_X/MEOH
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0812MBL01

Quant Time: Aug 13 01:16:03 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)

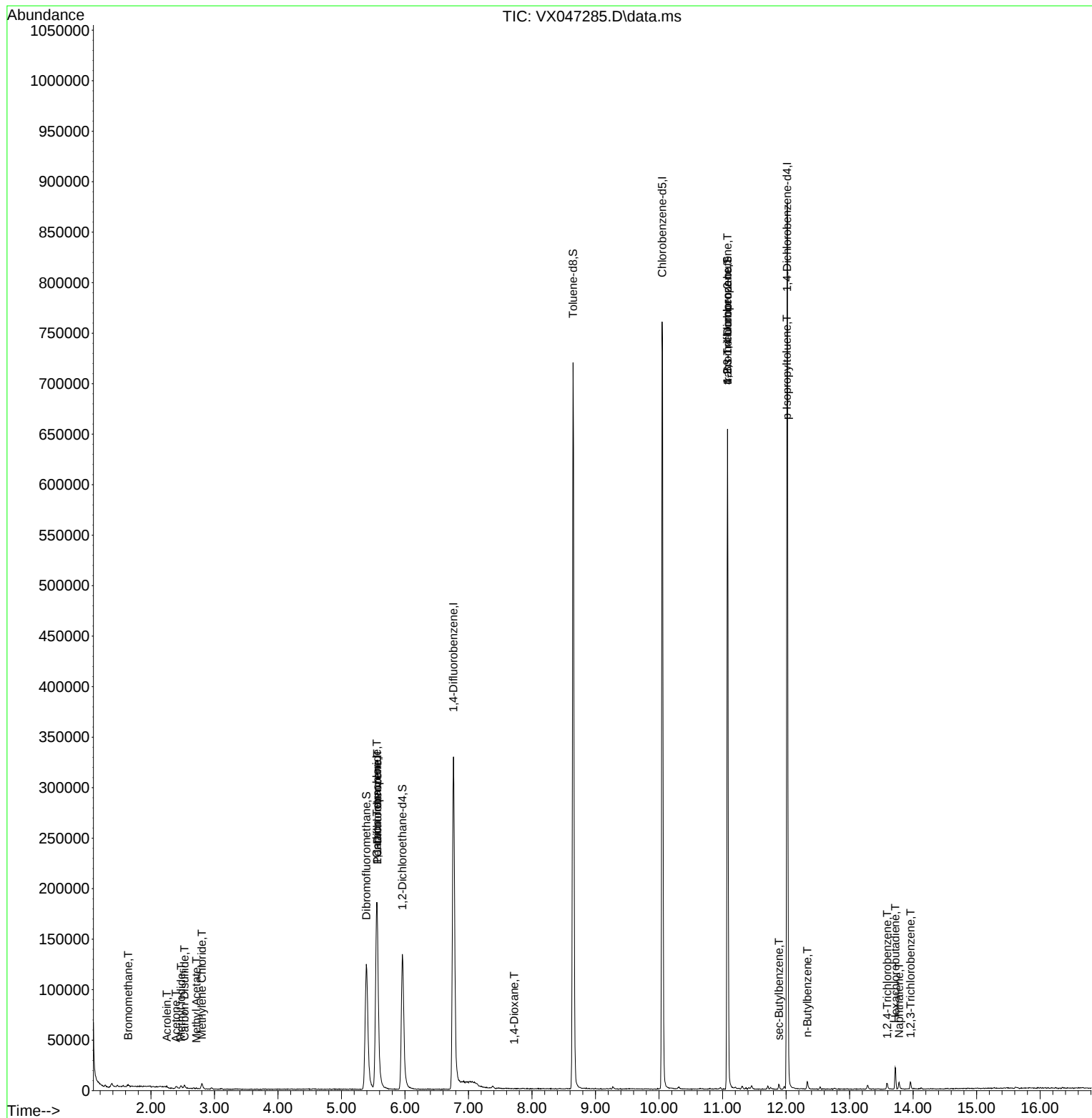
Internal Standards						
1) Pentafluorobenzene	5.562	168	189590	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	355101	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	349501	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	174144	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	141239	59.804	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	119.600%#
35) Dibromofluoromethane	5.391	113	118645	54.114	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	108.220%
50) Toluene-d8	8.647	98	433471	61.049	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	122.100%#
62) 4-Bromofluorobenzene	11.079	95	178278	58.263	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	116.520%
Target Compounds						
					Qvalue	
5) Bromomethane	1.642	94	1204	0.828	ug/l #	78
10) Methyl Iodide	2.477	142	4764	1.943	ug/l #	84
11) Tert butyl alcohol	2.971	59	137	Below Cal	#	72
13) Acrolein	2.252	56	388	0.763	ug/l #	74
16) Acetone	2.392	43	2223	2.350	ug/l #	87
17) Carbon Disulfide	2.526	76	3950	0.573	ug/l	96
18) Methyl Acetate	2.715	43	955	0.380	ug/l #	81
20) Methylene Chloride	2.800	84	2280	0.876	ug/l	88
36) 1,1-Dichloropropene	5.562	75	14358	3.842	ug/l #	49
38) Carbon Tetrachloride	5.556	117	19206	4.815	ug/l #	15
49) 1,4-Dioxane	7.720	88	23	0.691	ug/l #	1
76) 1,2,3-Trichloropropane	11.079	75	91879	28.504	ug/l #	34
81) trans-1,4-Dichloro-2-b...	11.079	75	91879	73.439	ug/l #	8
85) sec-Butylbenzene	11.890	105	3012	0.212	ug/l	92
86) p-Isopropyltoluene	12.012	119	2600	0.220	ug/l #	75
89) n-Butylbenzene	12.335	91	3394	0.307	ug/l	94
93) 1,2,4-Trichlorobenzene	13.591	180	2045	0.517	ug/l	98
94) Hexachlorobutadiene	13.719	225	3031	2.254	ug/l	91
95) Naphthalene	13.780	128	5491	0.474	ug/l	97
96) 1,2,3-Trichlorobenzene	13.963	180	2221	0.583	ug/l	88

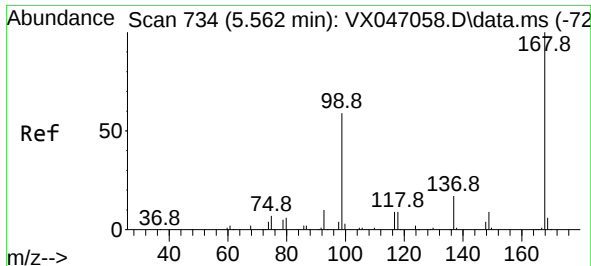
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081225\
Data File : VX047285.D
Acq On : 12 Aug 2025 10:29
Operator : JC/MD
Sample : VX0812MBL01
Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_X/MEOH
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0812MBL01

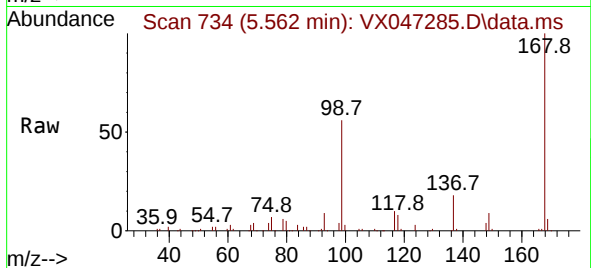
Quant Time: Aug 13 01:16:03 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.M
Quant Title : SW846 8260
QLast Update : Tue Jul 22 03:59:51 2025
Response via : Initial Calibration



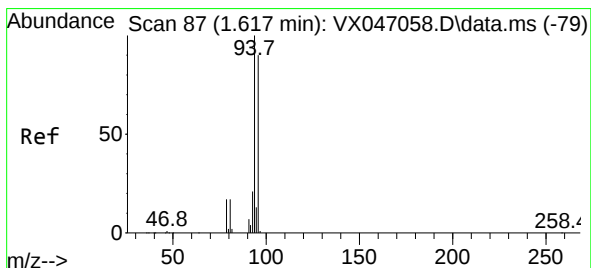
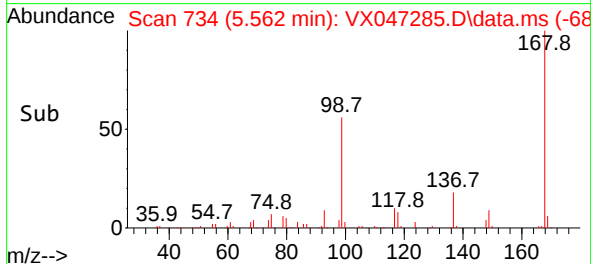
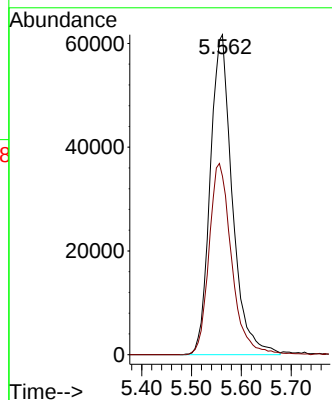


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 71
Delta R.T. 0.000 min
Lab File: VX047285.D
Acq: 12 Aug 2025 10:29

Instrument :
MSVOA_X
ClientSampleId :
VX0812MBL01

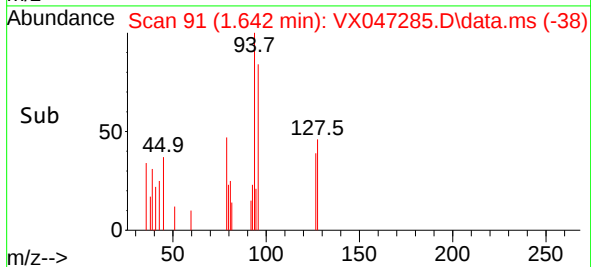
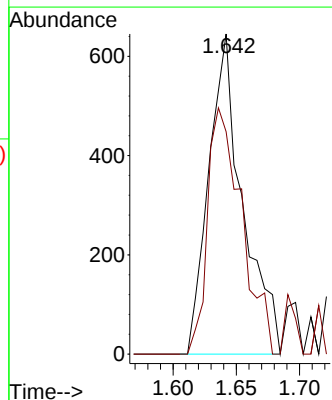
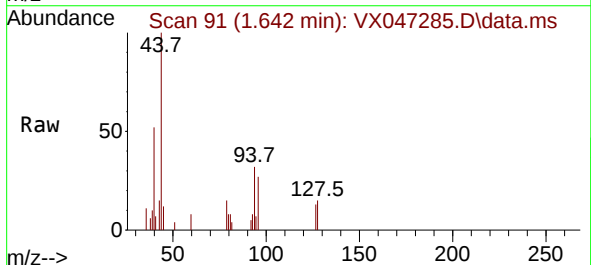


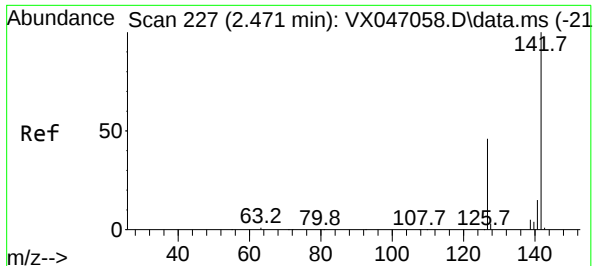
Tgt Ion:168 Resp: 189590
Ion Ratio Lower Upper
168 100
99 55.8 48.0 72.0



#5
Bromomethane
Concen: 0.828 ug/l
RT: 1.642 min Scan# 91
Delta R.T. 0.025 min
Lab File: VX047285.D
Acq: 12 Aug 2025 10:29

Tgt Ion: 94 Resp: 1204
Ion Ratio Lower Upper
94 100
96 69.5 72.3 108.5#

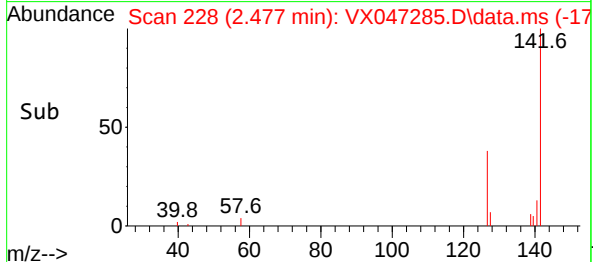
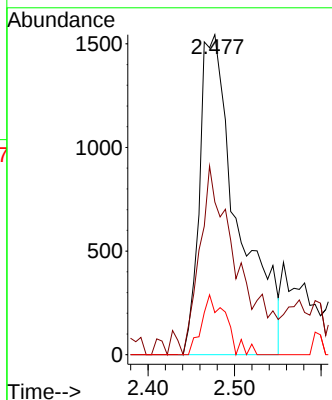
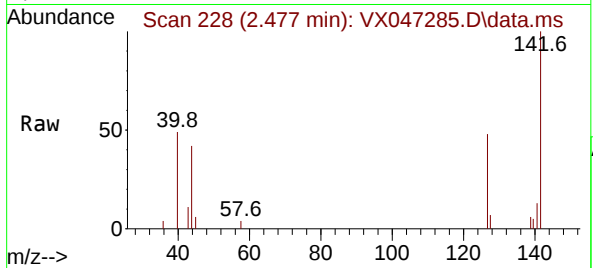




#10
Methyl Iodide
Concen: 1.943 ug/l
RT: 2.477 min Scan# 21
Delta R.T. 0.007 min
Lab File: VX047285.D
Acq: 12 Aug 2025 10:29

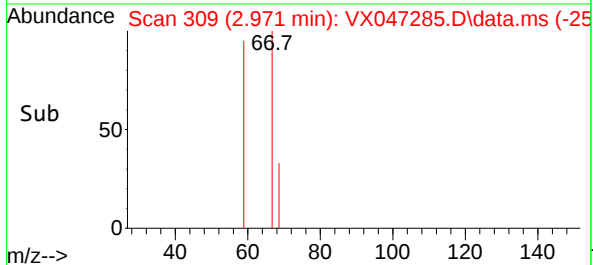
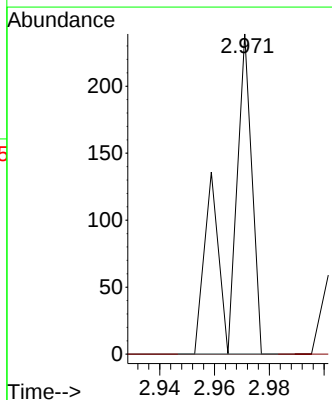
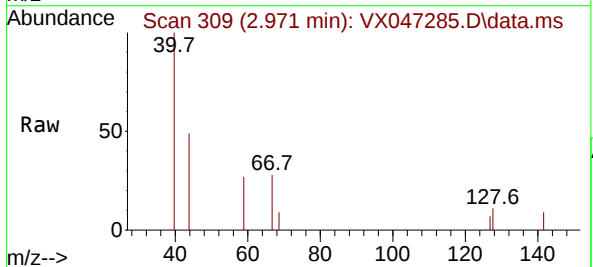
Instrument :
MSVOA_X
ClientSampleId :
VX0812MBL01

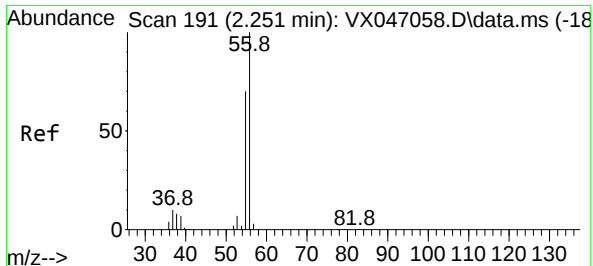
Tgt Ion:142 Resp: 4764
Ion Ratio Lower Upper
142 100
127 58.5 36.6 54.8#
141 11.9 10.9 16.3



#11
Tert butyl alcohol
Concen: Below Cal
RT: 2.971 min Scan# 309
Delta R.T. 0.013 min
Lab File: VX047285.D
Acq: 12 Aug 2025 10:29

Tgt Ion: 59 Resp: 137
Ion Ratio Lower Upper
59 100
57 0.0 8.5 12.7#

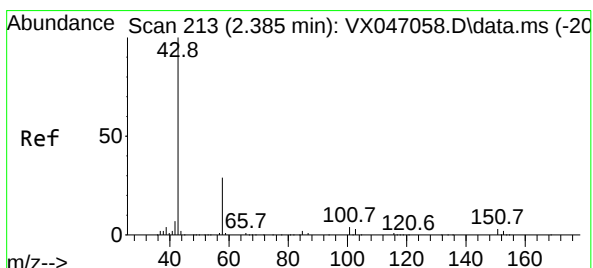
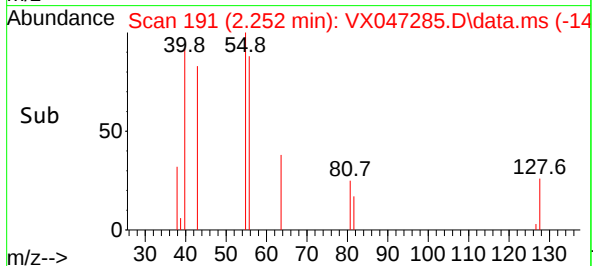
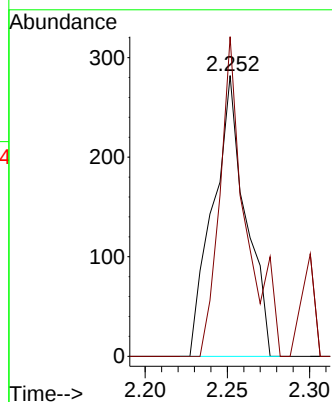
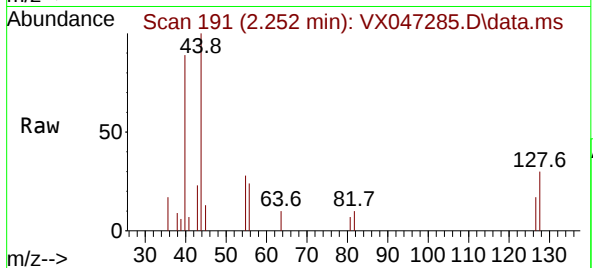




#13
Acrolein
Concen: 0.763 ug/l
RT: 2.252 min Scan# 191
Delta R.T. 0.000 min
Lab File: VX047285.D
Acq: 12 Aug 2025 10:29

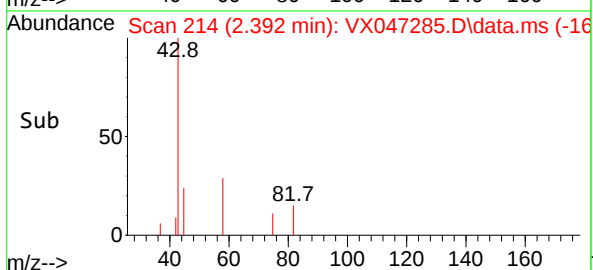
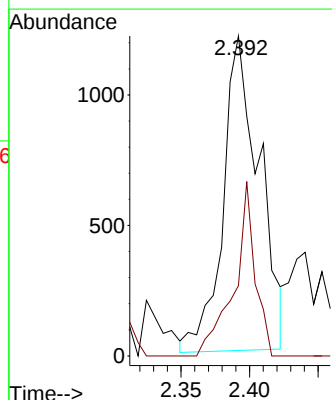
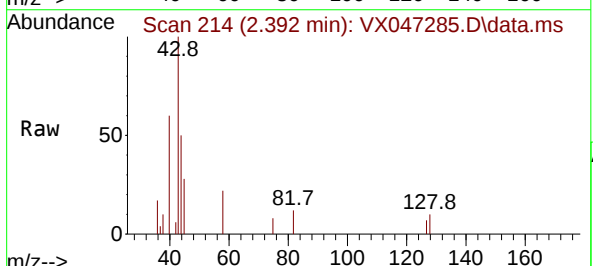
Instrument :
MSVOA_X
ClientSampleId :
VX0812MBL01

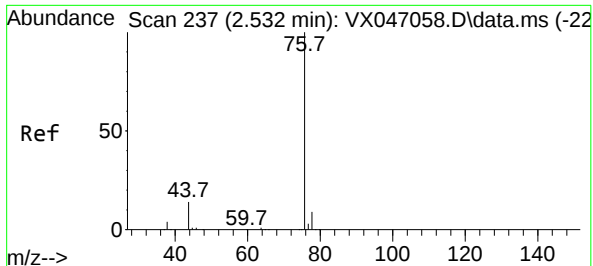
Tgt Ion: 56 Resp: 388
Ion Ratio Lower Upper
56 100
55 90.7 55.7 83.5#



#16
Acetone
Concen: 2.350 ug/l
RT: 2.392 min Scan# 214
Delta R.T. 0.006 min
Lab File: VX047285.D
Acq: 12 Aug 2025 10:29

Tgt Ion: 43 Resp: 2223
Ion Ratio Lower Upper
43 100
58 23.0 24.0 36.0#





#17

Carbon Disulfide

Concen: 0.573 ug/l

RT: 2.526 min Scan# 21

Delta R.T. -0.006 min

Lab File: VX047285.D

Acq: 12 Aug 2025 10:29

Instrument :

MSVOA_X

ClientSampleId :

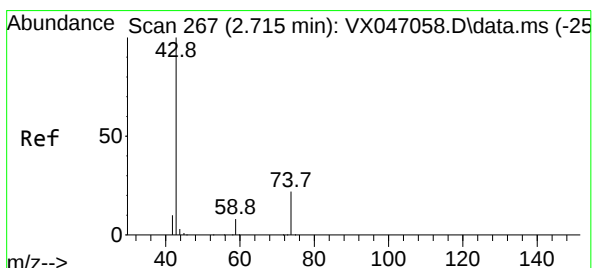
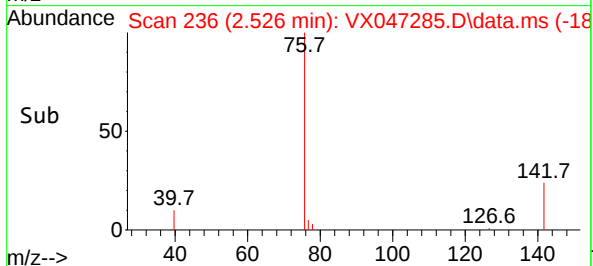
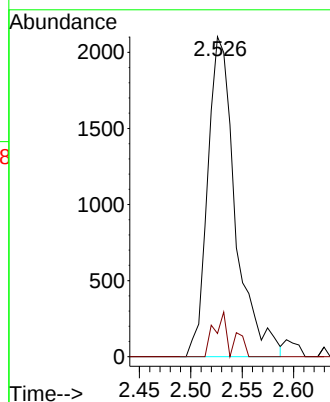
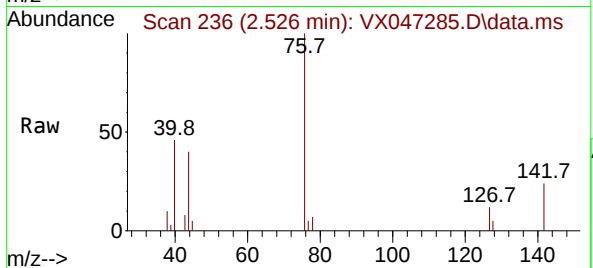
VX0812MBL01

Tgt Ion: 76 Resp: 3950

Ion Ratio Lower Upper

76 100

78 7.3 7.0 10.4



#18

Methyl Acetate

Concen: 0.380 ug/l

RT: 2.715 min Scan# 267

Delta R.T. 0.000 min

Lab File: VX047285.D

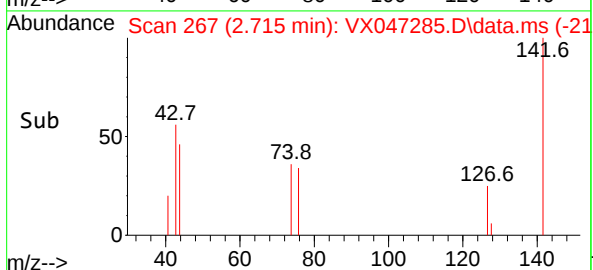
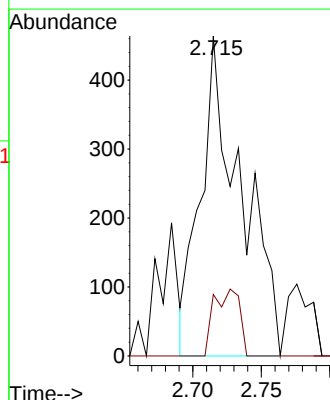
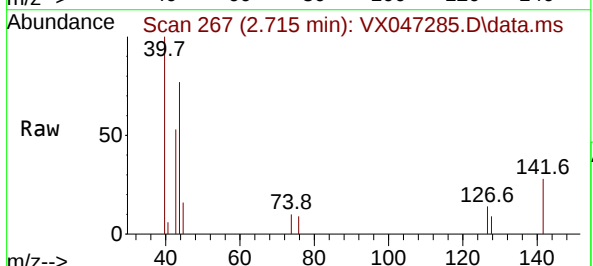
Acq: 12 Aug 2025 10:29

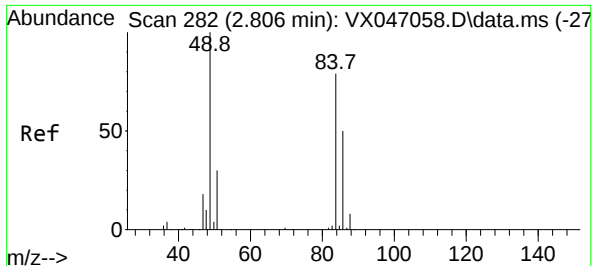
Tgt Ion: 43 Resp: 955

Ion Ratio Lower Upper

43 100

74 13.2 17.7 26.5#

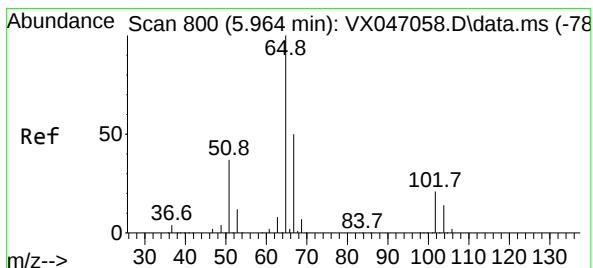
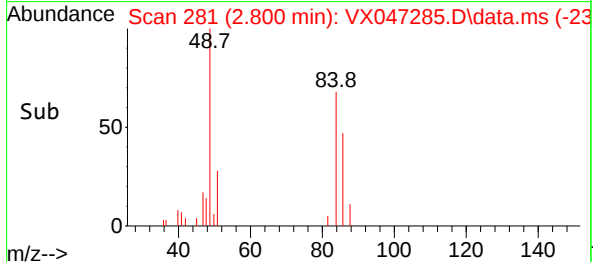
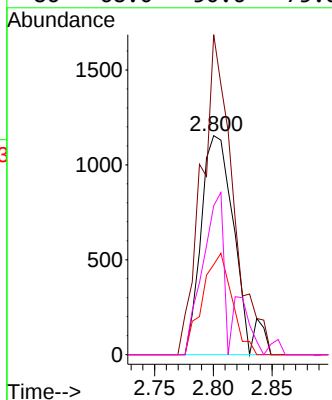
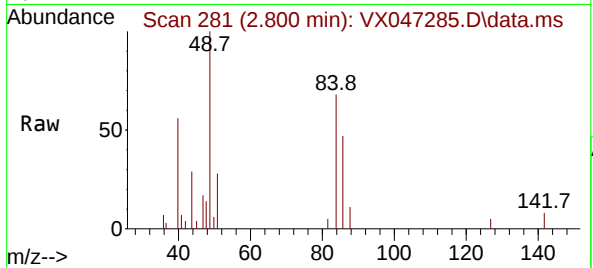




#20
Methylene Chloride
Concen: 0.876 ug/l
RT: 2.800 min Scan# 21
Delta R.T. -0.006 min
Lab File: VX047285.D
Acq: 12 Aug 2025 10:29

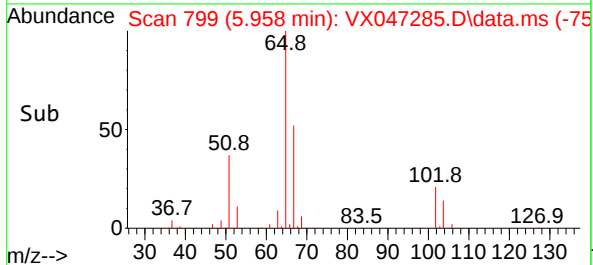
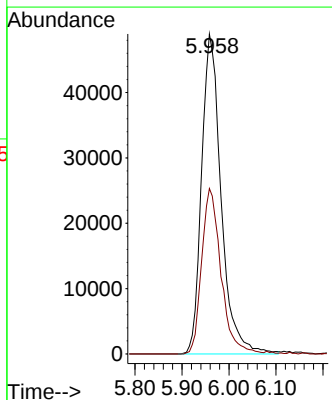
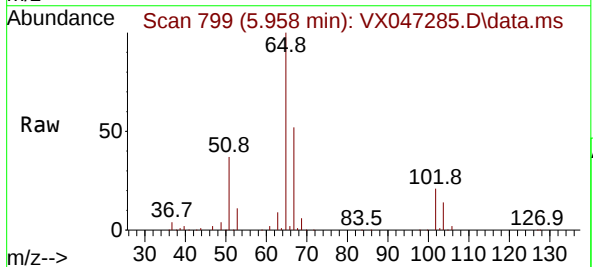
Instrument :
MSVOA_X
ClientSampleId :
VX0812MBL01

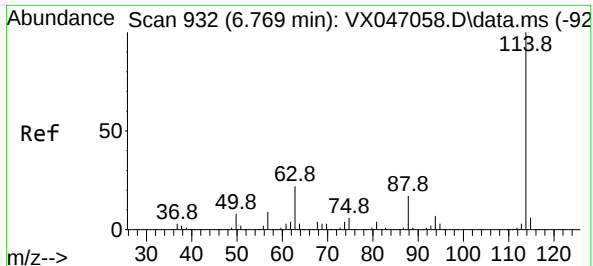
Tgt Ion:	84	Resp:	2280
Ion	Ratio	Lower	Upper
84	100		
49	146.1	101.6	152.4
51	41.1	30.3	45.5
86	68.0	50.6	75.8



#33
1,2-Dichloroethane-d4
Concen: 59.804 ug/l
RT: 5.958 min Scan# 799
Delta R.T. -0.006 min
Lab File: VX047285.D
Acq: 12 Aug 2025 10:29

Tgt Ion:	65	Resp:	141239
Ion	Ratio	Lower	Upper
65	100		
67	51.0	0.0	104.8

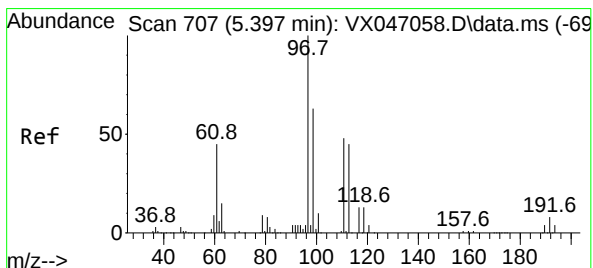
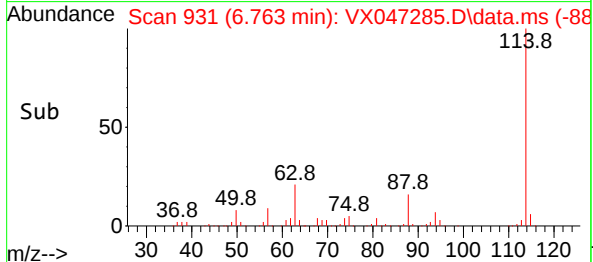
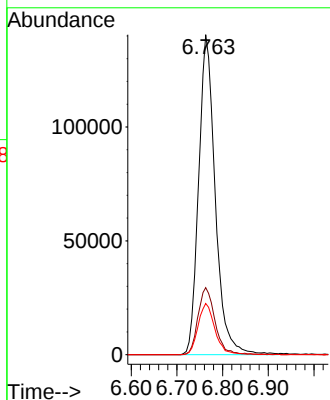
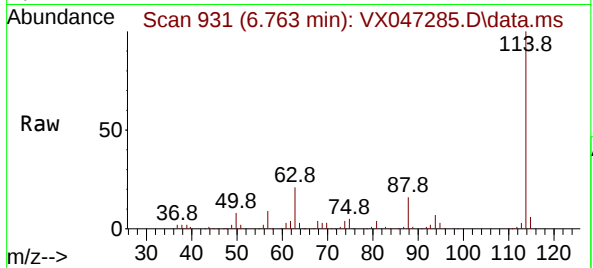




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. -0.006 min
Lab File: VX047285.D
Acq: 12 Aug 2025 10:29

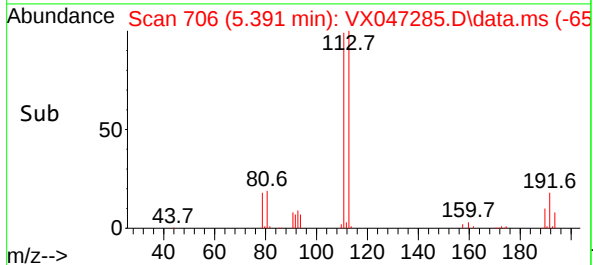
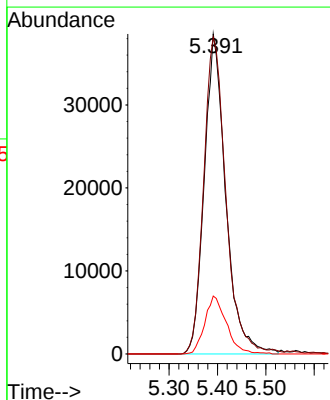
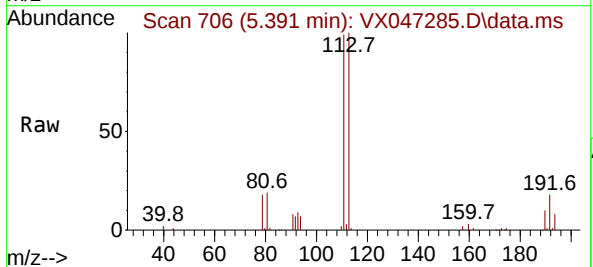
Instrument :
MSVOA_X
ClientSampleId :
VX0812MBL01

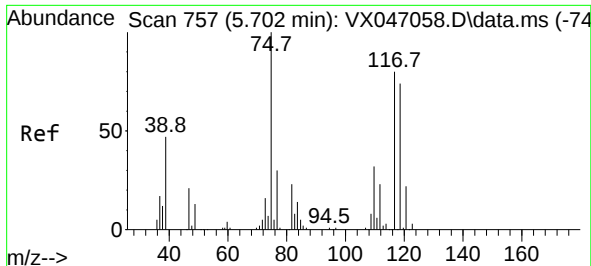
Tgt Ion:114 Resp: 355101
Ion Ratio Lower Upper
114 100
63 20.9 0.0 43.2
88 16.0 0.0 33.8



#35
Dibromofluoromethane
Concen: 54.114 ug/l
RT: 5.391 min Scan# 706
Delta R.T. -0.006 min
Lab File: VX047285.D
Acq: 12 Aug 2025 10:29

Tgt Ion:113 Resp: 118645
Ion Ratio Lower Upper
113 100
111 102.1 82.6 124.0
192 18.3 14.9 22.3





#36

1,1-Dichloropropene

Concen: 3.842 ug/l

RT: 5.562 min Scan# 71

Delta R.T. -0.140 min

Lab File: VX047285.D

Acq: 12 Aug 2025 10:29

Instrument :

MSVOA_X

ClientSampleId :

VX0812MBL01

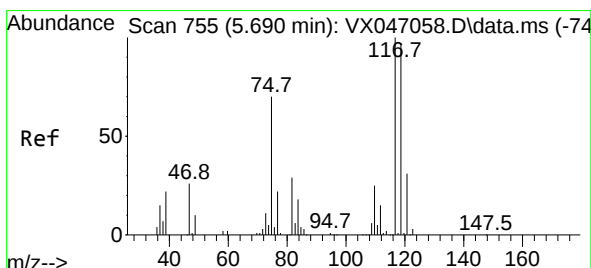
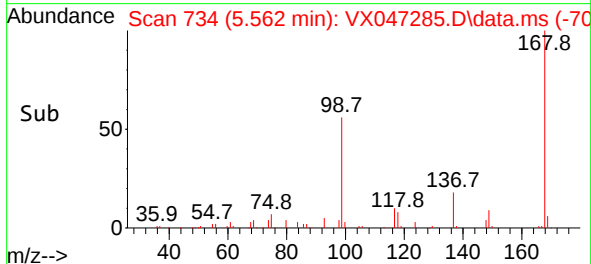
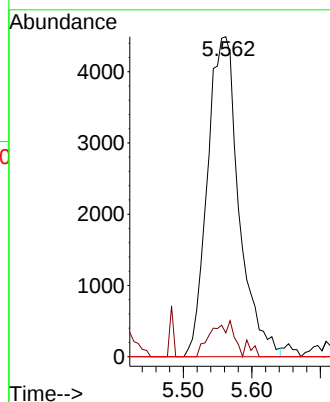
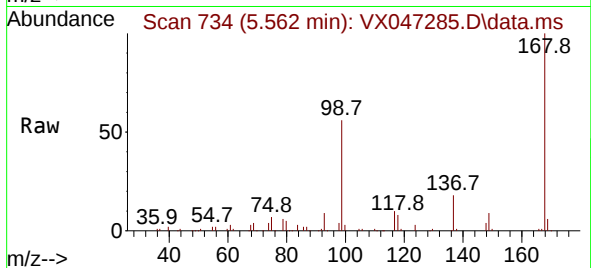
Tgt Ion: 75 Resp: 14358

Ion Ratio Lower Upper

75 100

110 8.1 17.2 51.5#

77 0.0 25.1 37.7#



#38

Carbon Tetrachloride

Concen: 4.815 ug/l

RT: 5.556 min Scan# 733

Delta R.T. -0.134 min

Lab File: VX047285.D

Acq: 12 Aug 2025 10:29

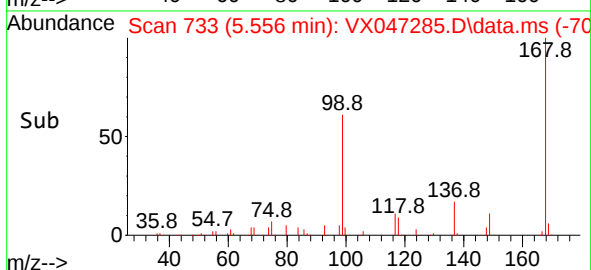
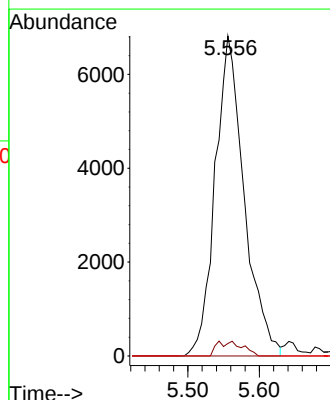
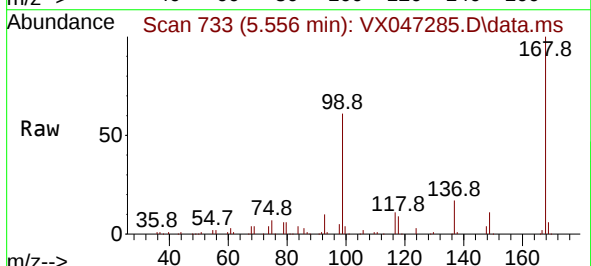
Tgt Ion: 117 Resp: 19206

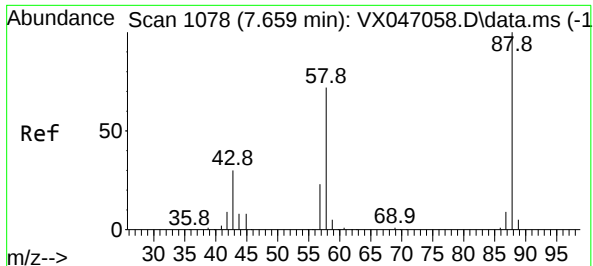
Ion Ratio Lower Upper

117 100

119 3.9 76.6 115.0#

121 0.0 24.4 36.6#





#49

1,4-Dioxane

Concen: 0.691 ug/l

RT: 7.720 min Scan# 1088

Delta R.T. 0.061 min

Lab File: VX047285.D

Acq: 12 Aug 2025 10:29

Instrument :

MSVOA_X

ClientSampleId :

VX0812MBL01

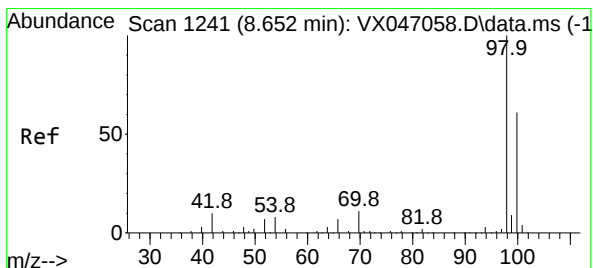
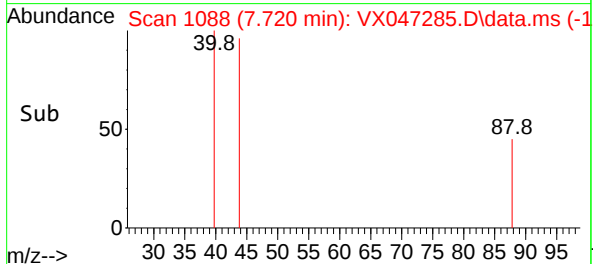
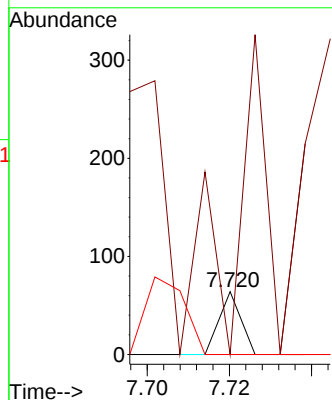
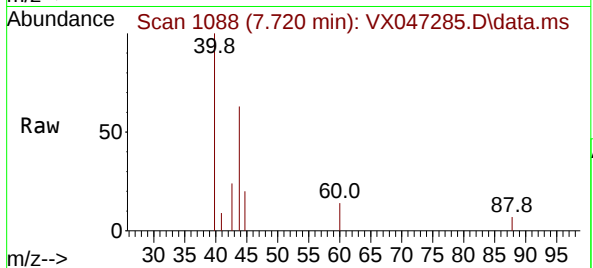
Tgt Ion: 88 Resp: 23

Ion Ratio Lower Upper

88 100

43 517.4 33.6 50.4#

58 0.0 58.8 88.2#



#50

Toluene-d8

Concen: 61.049 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. -0.006 min

Lab File: VX047285.D

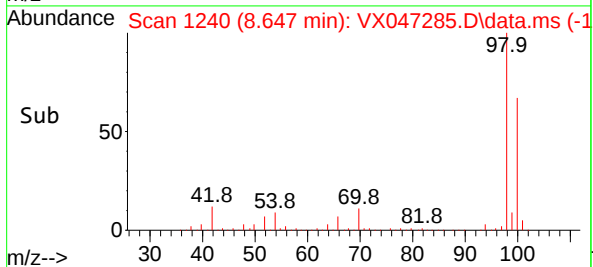
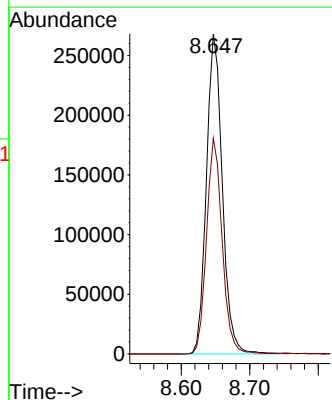
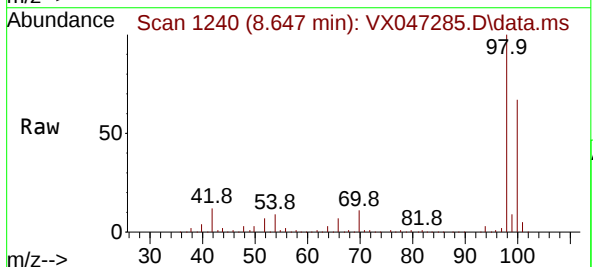
Acq: 12 Aug 2025 10:29

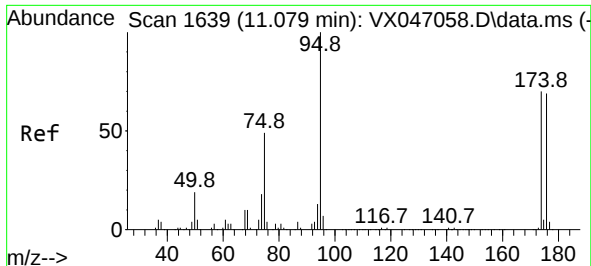
Tgt Ion: 98 Resp: 433471

Ion Ratio Lower Upper

98 100

100 66.3 53.3 79.9

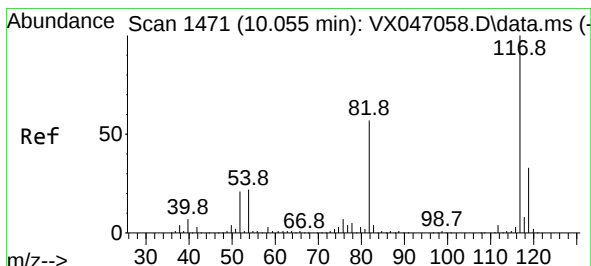
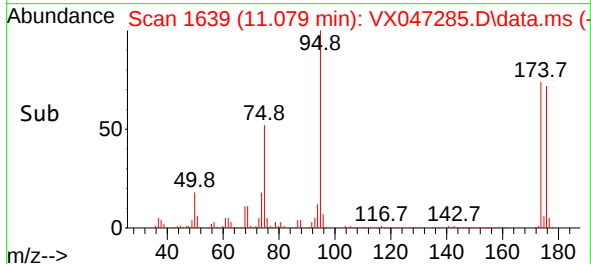
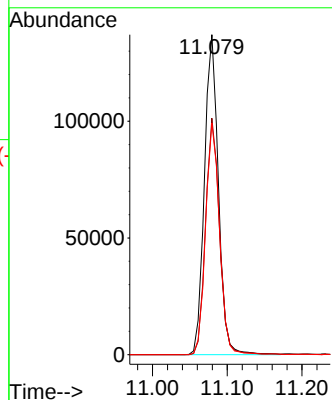
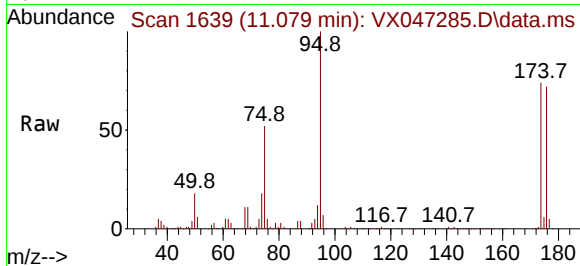




#62
4-Bromofluorobenzene
Concen: 58.263 ug/l
RT: 11.079 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX047285.D
Acq: 12 Aug 2025 10:29

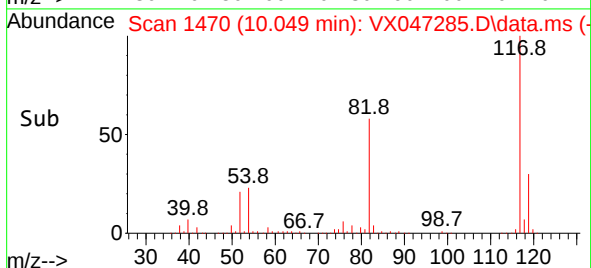
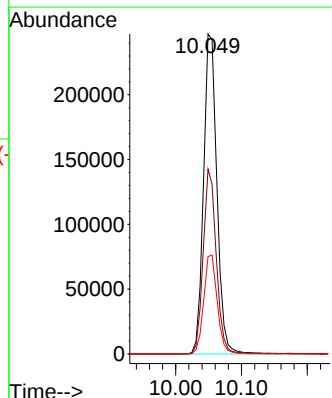
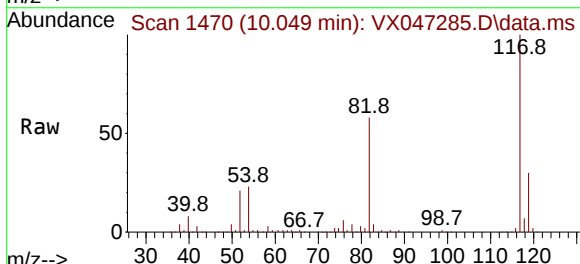
Instrument :
MSVOA_X
ClientSampleId :
VX0812MBL01

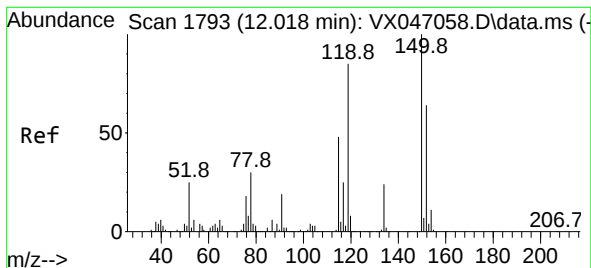
Tgt Ion: 95 Resp: 178278
Ion Ratio Lower Upper
95 100
174 73.6 0.0 144.6
176 72.5 0.0 139.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 1470
Delta R.T. -0.006 min
Lab File: VX047285.D
Acq: 12 Aug 2025 10:29

Tgt Ion: 117 Resp: 349501
Ion Ratio Lower Upper
117 100
82 57.8 45.4 68.2
119 30.5 26.1 39.1





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.018 min Scan# 1

Delta R.T. 0.000 min

Lab File: VX047285.D

Acq: 12 Aug 2025 10:29

Instrument :

MSVOA_X

ClientSampleId :

VX0812MBL01

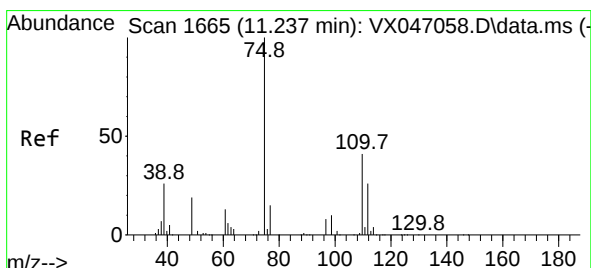
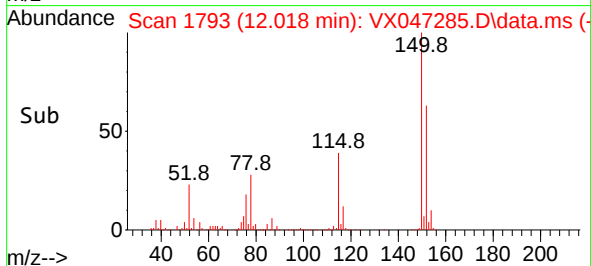
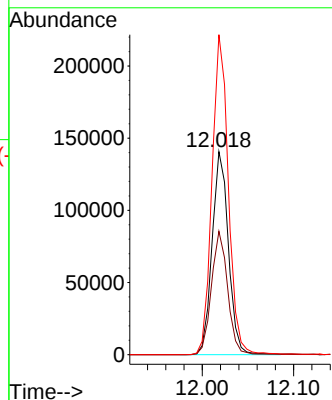
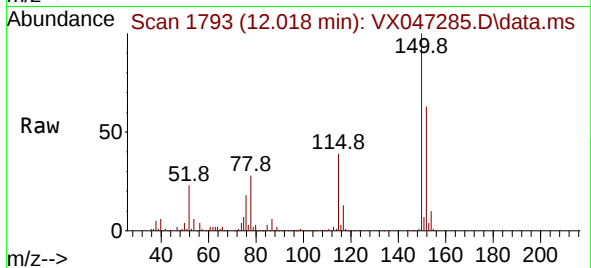
Tgt Ion:152 Resp: 174144

Ion Ratio Lower Upper

152 100

115 60.8 45.6 136.7

150 158.2 0.0 354.6



#76

1,2,3-Trichloropropane

Concen: 28.504 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.158 min

Lab File: VX047285.D

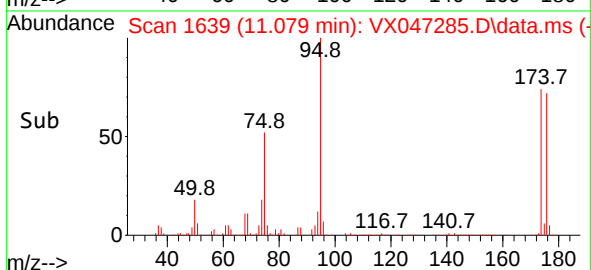
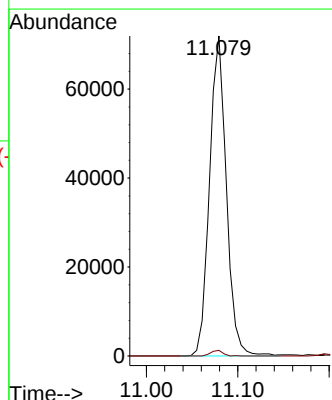
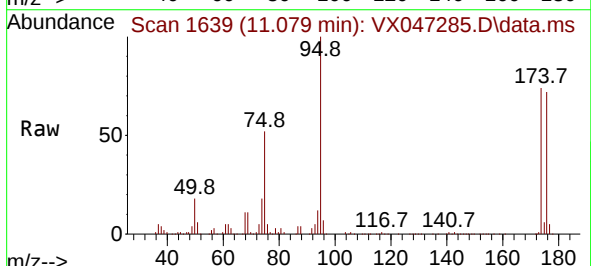
Acq: 12 Aug 2025 10:29

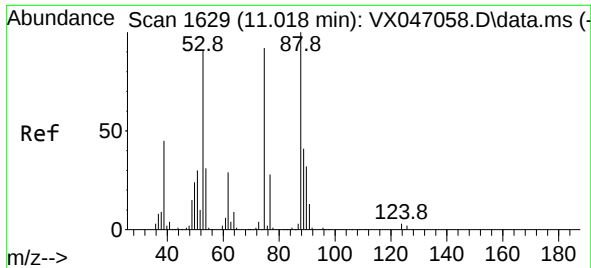
Tgt Ion: 75 Resp: 91879

Ion Ratio Lower Upper

75 100

77 1.3 21.6 65.0#

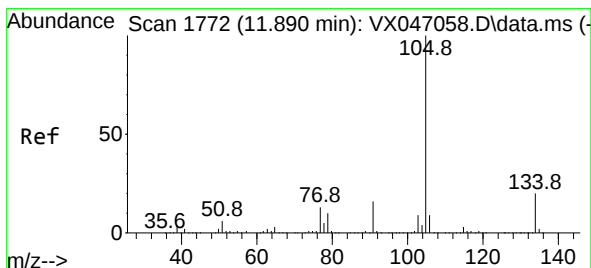
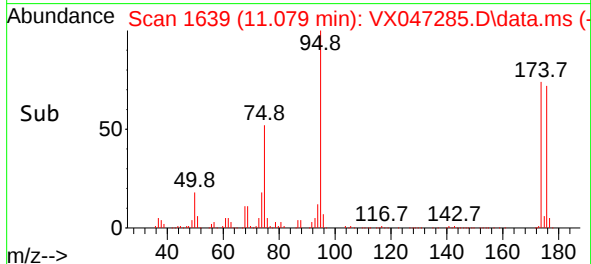
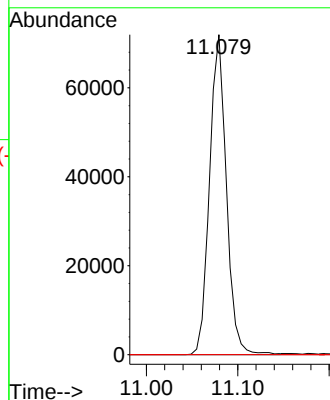
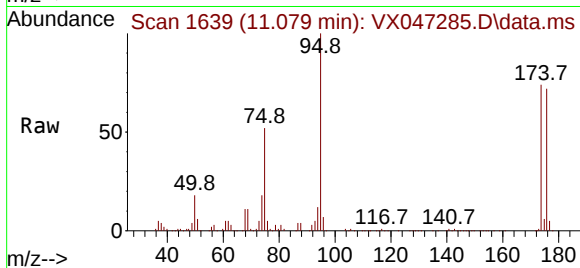




#81
trans-1,4-Dichloro-2-butene
Concen: 73.439 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX047285.D
Acq: 12 Aug 2025 10:29

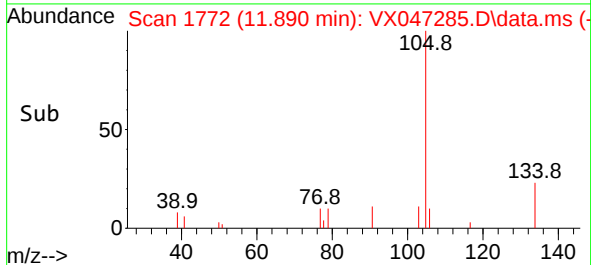
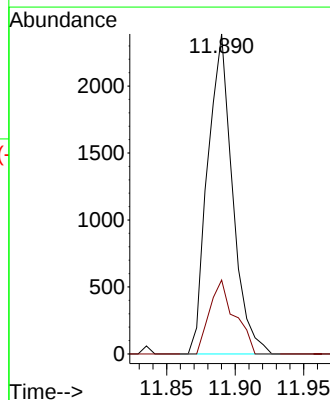
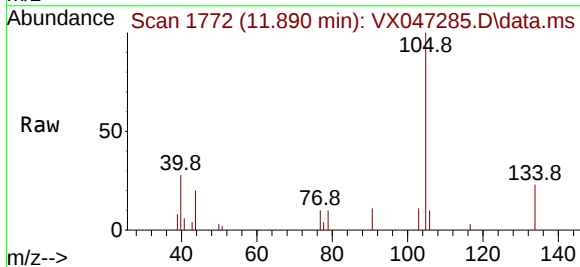
Instrument :
MSVOA_X
ClientSampleId :
VX0812MBL01

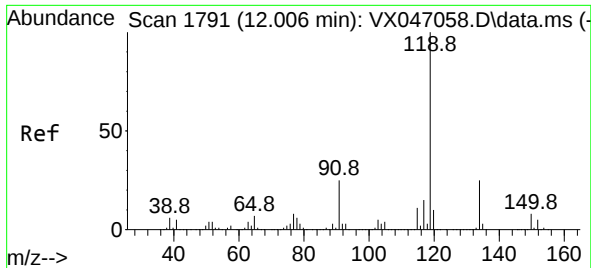
Tgt Ion: 75 Resp: 91879
Ion Ratio Lower Upper
75 100
53 0.0 84.2 126.4#
89 0.0 36.0 54.0#



#85
sec-Butylbenzene
Concen: 0.212 ug/l
RT: 11.890 min Scan# 1772
Delta R.T. 0.000 min
Lab File: VX047285.D
Acq: 12 Aug 2025 10:29

Tgt Ion: 105 Resp: 3012
Ion Ratio Lower Upper
105 100
134 23.4 9.9 29.7

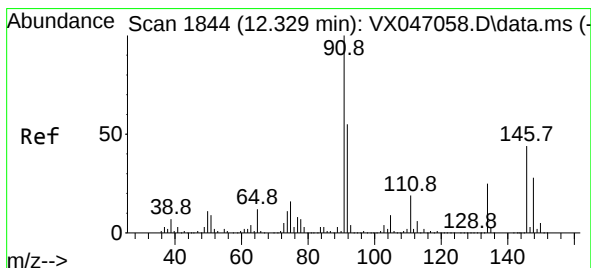
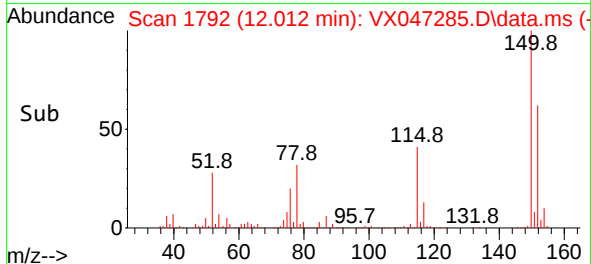
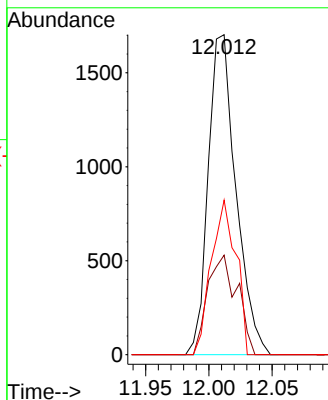
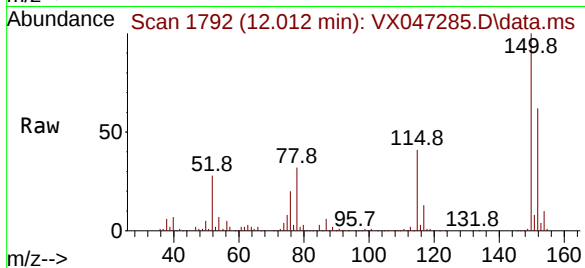




#86
p-Isopropyltoluene
Concen: 0.220 ug/l
RT: 12.012 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX047285.D
Acq: 12 Aug 2025 10:29

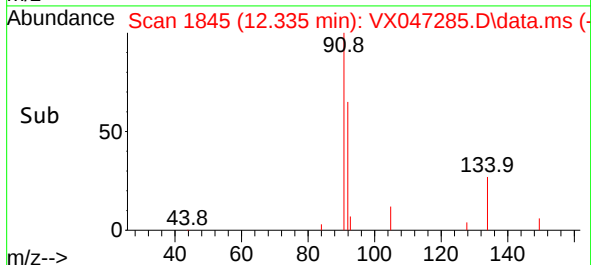
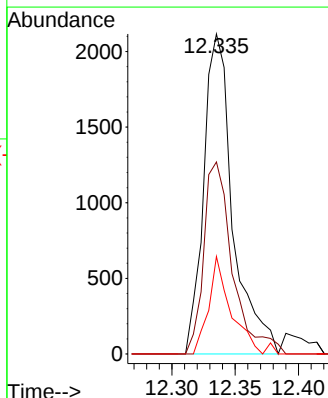
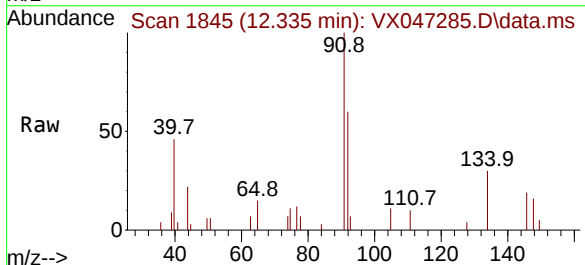
Instrument :
MSVOA_X
ClientSampleId :
VX0812MBL01

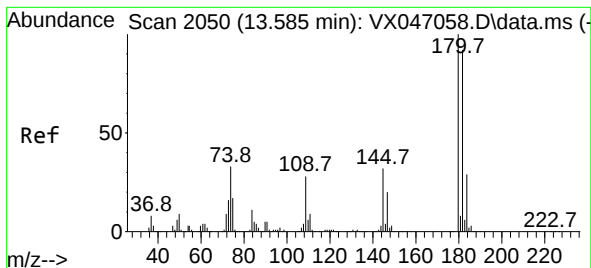
Tgt Ion:119 Resp: 2600
Ion Ratio Lower Upper
119 100
134 33.0 12.8 38.4
91 43.2 12.4 37.4#



#89
n-Butylbenzene
Concen: 0.307 ug/l
RT: 12.335 min Scan# 1845
Delta R.T. 0.006 min
Lab File: VX047285.D
Acq: 12 Aug 2025 10:29

Tgt Ion: 91 Resp: 3394
Ion Ratio Lower Upper
91 100
92 59.3 27.5 82.5
134 23.1 12.8 38.3





#93

1,2,4-Trichlorobenzene

Concen: 0.517 ug/l

RT: 13.591 min Scan# 2051

Delta R.T. 0.006 min

Lab File: VX047285.D

Acq: 12 Aug 2025 10:29

Instrument :

MSVOA_X

ClientSampleId :

VX0812MBL01

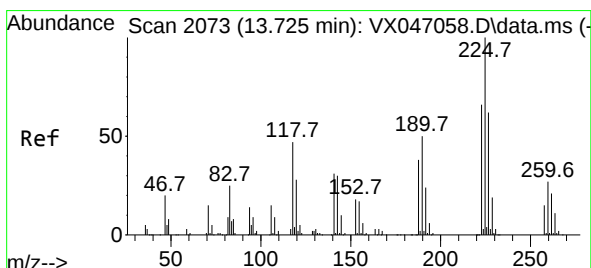
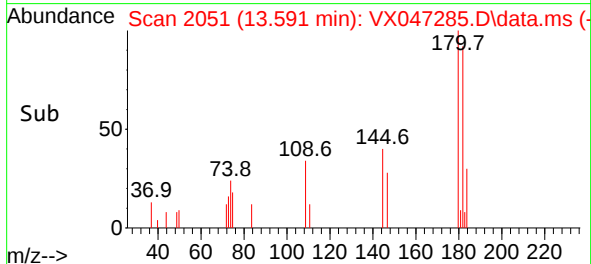
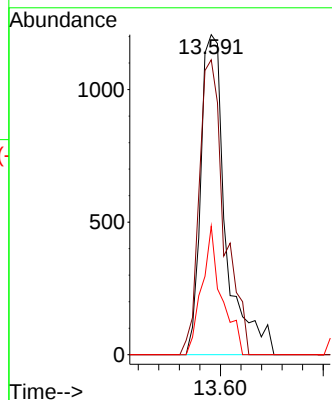
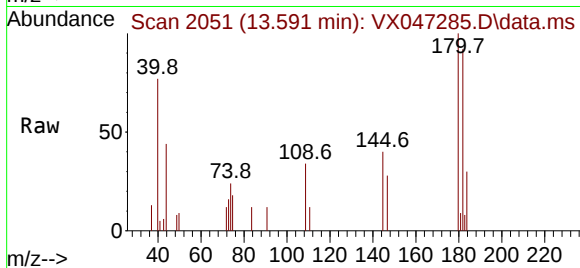
Tgt Ion:180 Resp: 2045

Ion Ratio Lower Upper

180 100

182 92.3 47.3 141.8

145 31.6 16.4 49.1



#94

Hexachlorobutadiene

Concen: 2.254 ug/l

RT: 13.719 min Scan# 2072

Delta R.T. -0.006 min

Lab File: VX047285.D

Acq: 12 Aug 2025 10:29

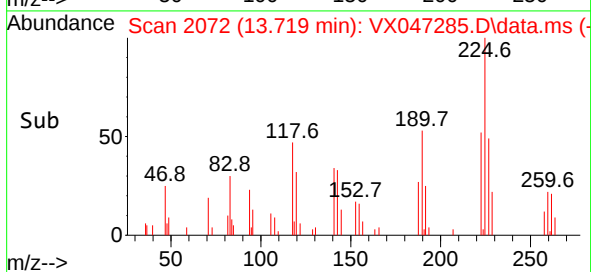
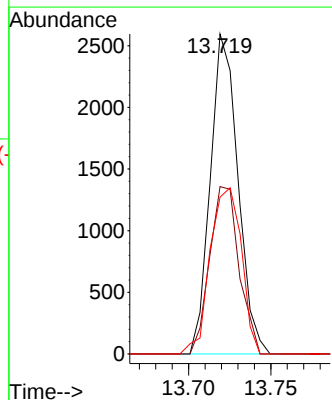
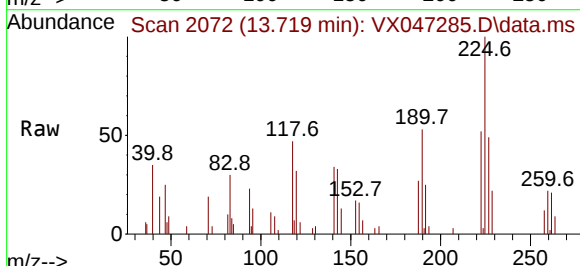
Tgt Ion:225 Resp: 3031

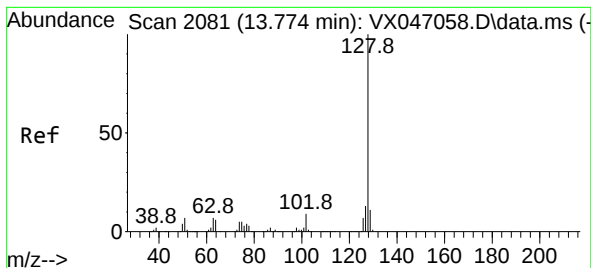
Ion Ratio Lower Upper

225 100

223 55.7 31.6 95.0

227 58.9 32.9 98.6





#95

Naphthalene

Concen: 0.474 ug/l

RT: 13.780 min Scan# 2081

Delta R.T. 0.007 min

Lab File: VX047285.D

Acq: 12 Aug 2025 10:29

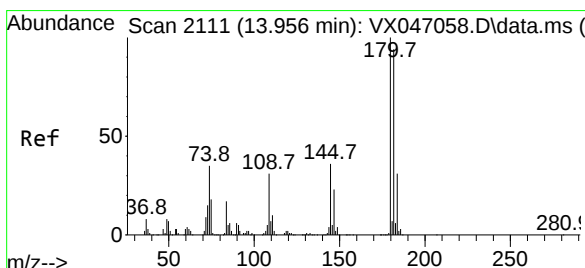
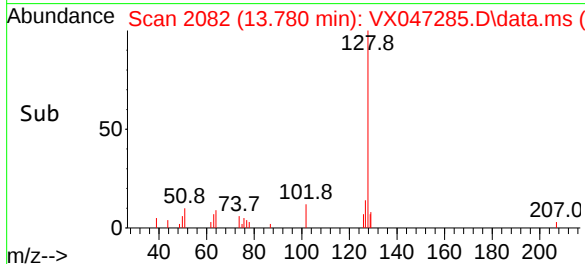
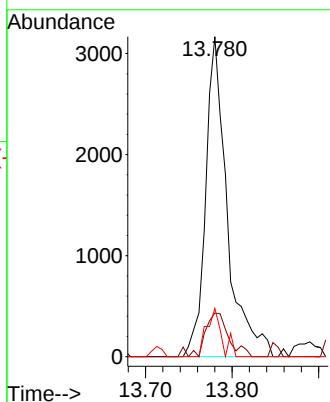
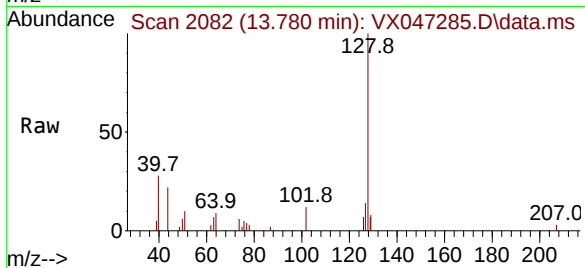
Instrument :

MSVOA_X

ClientSampleId :

VX0812MBL01

Tgt Ion:	128	Resp:	5491
Ion	Ratio	Lower	Upper
128	100		
127	14.3	10.1	15.1
129	10.5	8.6	13.0



#96

1,2,3-Trichlorobenzene

Concen: 0.583 ug/l

RT: 13.963 min Scan# 2112

Delta R.T. 0.007 min

Lab File: VX047285.D

Acq: 12 Aug 2025 10:29

Tgt Ion:	180	Resp:	2221
Ion	Ratio	Lower	Upper
180	100		
182	81.2	46.9	140.6
145	30.3	17.3	52.0

