

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX072825\
 Data File : VX047153.D
 Acq On : 28 Jul 2025 09:58
 Operator : JC/MD
 Sample : VX0728MBL01
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_X/MEOH
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0728MBL01

Quant Time: Jul 29 02:11:50 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	5.556	168	380893	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	711791	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	673199	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	348234	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	278066	58.605	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 117.220%#	
35) Dibromofluoromethane	5.391	113	237956	54.145	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 108.280%	
50) Toluene-d8	8.647	98	847990	59.581	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 119.160%#	
62) 4-Bromofluorobenzene	11.079	95	358768	58.494	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 116.980%	

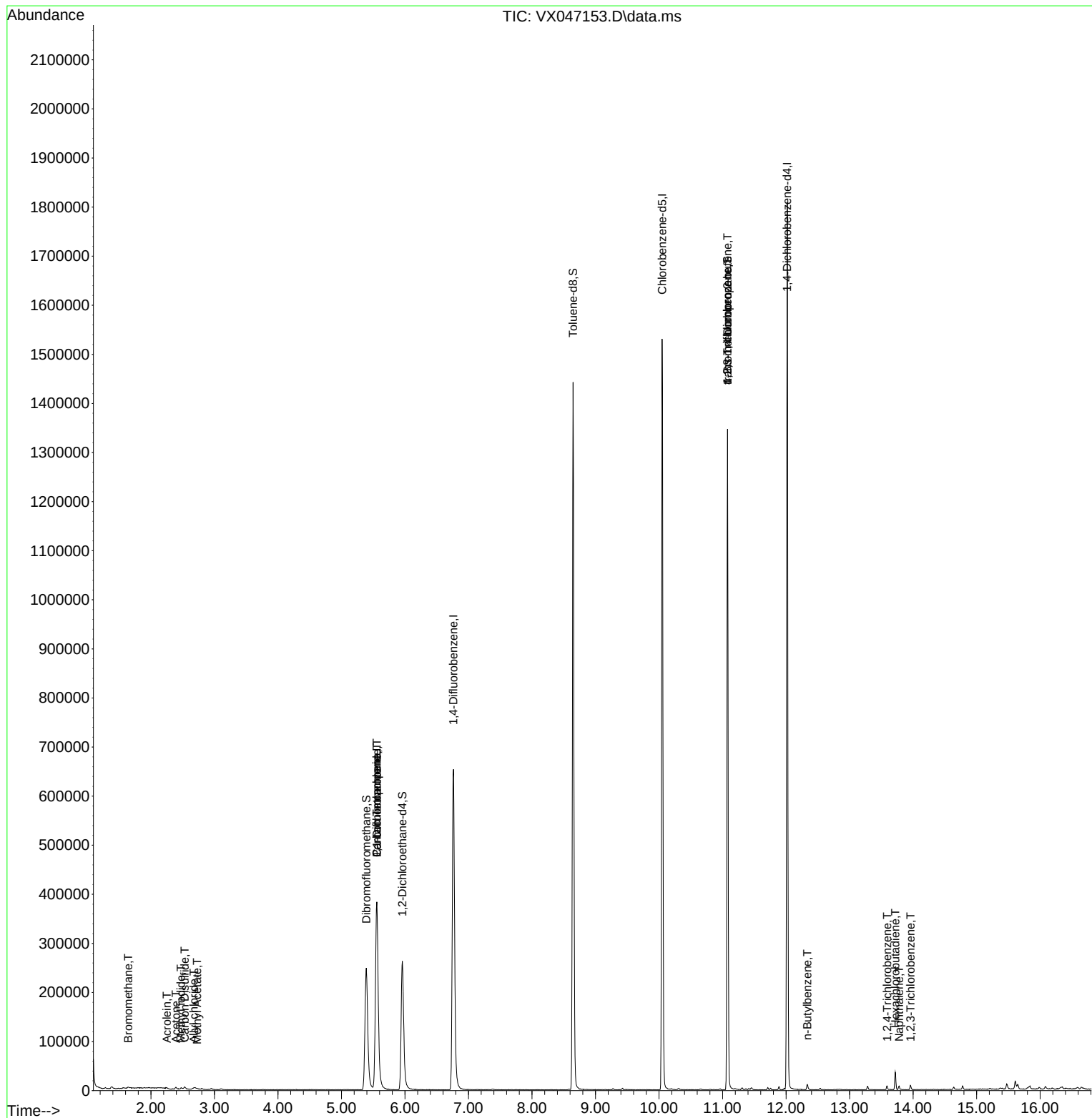
Target Compounds			Qvalue			
5) Bromomethane	1.642	94	1243	0.425	ug/l #	76
10) Methyl Iodide	2.471	142	4655	0.945	ug/l	95
11) Tert butyl alcohol	2.965	59	279	Below Cal	#	72
13) Acrolein	2.252	56	558	0.546	ug/l #	53
14) Allyl chloride	2.672	41	8539	0.987	ug/l #	44
16) Acetone	2.392	43	6643	3.495	ug/l #	73
17) Carbon Disulfide	2.532	76	5433	0.392	ug/l	99
18) Methyl Acetate	2.727	43	1055	0.209	ug/l #	64
36) 1,1-Dichloropropene	5.556	75	32422	4.328	ug/l #	50
38) Carbon Tetrachloride	5.556	117	41702	5.216	ug/l #	16
76) 1,2,3-Trichloropropane	11.079	75	187438	29.080	ug/l #	34
81) trans-1,4-Dichloro-2-b...	11.079	75	187438	74.921	ug/l #	8
89) n-Butylbenzene	12.335	91	4841	0.219	ug/l	98
93) 1,2,4-Trichlorobenzene	13.591	180	2304	0.291	ug/l	99
94) Hexachlorobutadiene	13.719	225	4806	1.787	ug/l	100
95) Naphthalene	13.780	128	6173	0.266	ug/l #	93
96) 1,2,3-Trichlorobenzene	13.963	180	2213	0.291	ug/l	97

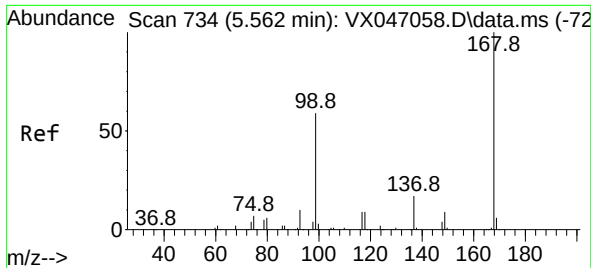
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX072825\
Data File : VX047153.D
Acq On : 28 Jul 2025 09:58
Operator : JC/MD
Sample : VX0728MBL01
Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_X/MEOH
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0728MBL01

Quant Time: Jul 29 02:11:50 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

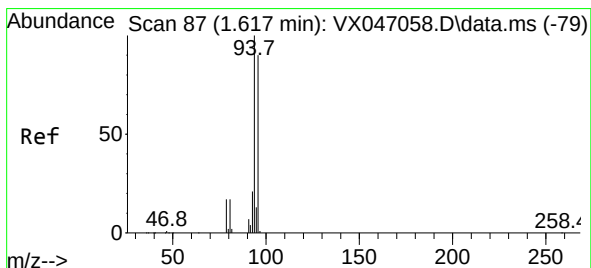
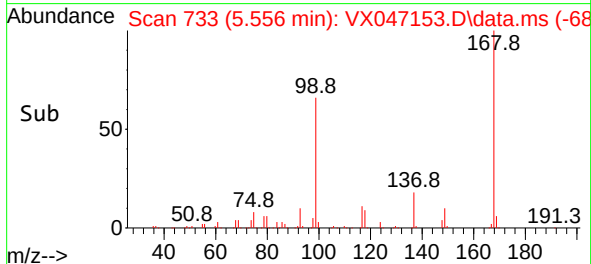
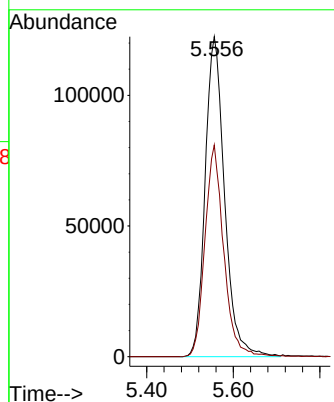
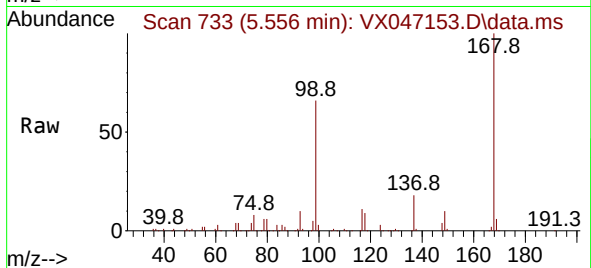




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX047153.D
Acq: 28 Jul 2025 09:58

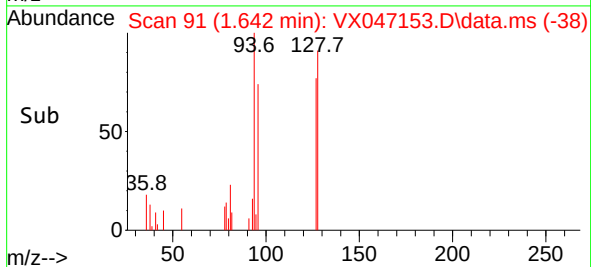
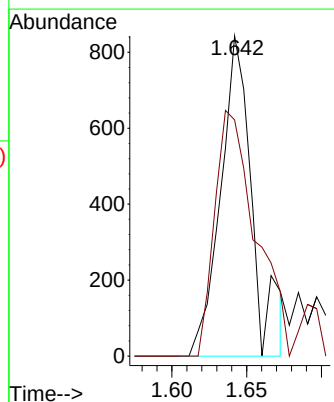
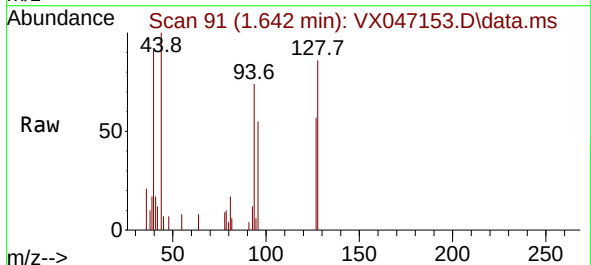
Instrument :
MSVOA_X
ClientSampleId :
VX0728MBL01

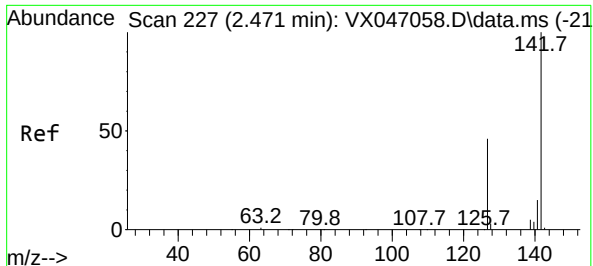
Tgt Ion:168 Resp: 380893
Ion Ratio Lower Upper
168 100
99 66.2 48.0 72.0



#5
Bromomethane
Concen: 0.425 ug/l
RT: 1.642 min Scan# 91
Delta R.T. 0.025 min
Lab File: VX047153.D
Acq: 28 Jul 2025 09:58

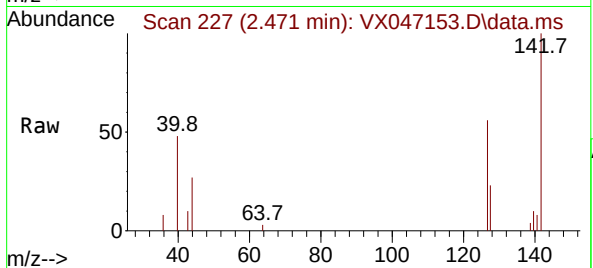
Tgt Ion: 94 Resp: 1243
Ion Ratio Lower Upper
94 100
96 68.1 72.3 108.5#



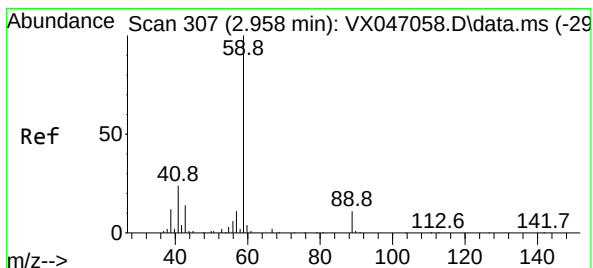
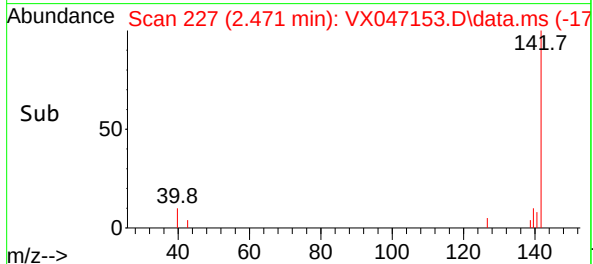
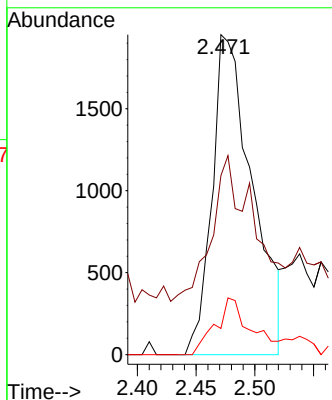


#10
Methyl Iodide
Concen: 0.945 ug/l
RT: 2.471 min Scan# 21
Delta R.T. 0.000 min
Lab File: VX047153.D
Acq: 28 Jul 2025 09:58

Instrument :
MSVOA_X
ClientSampleId :
VX0728MBL01

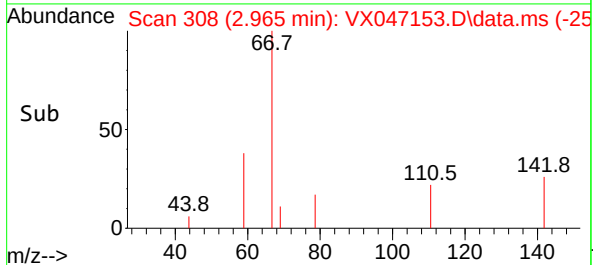
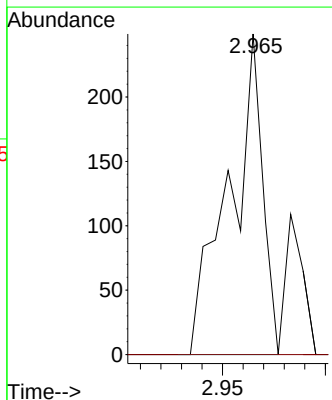
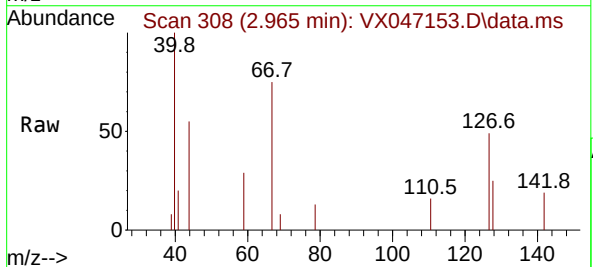


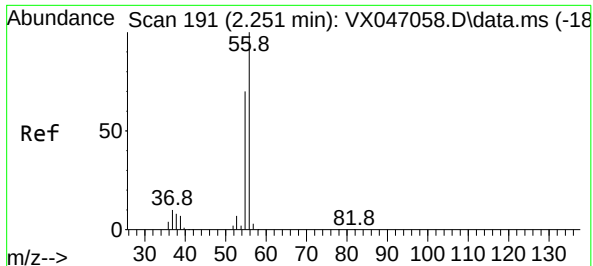
Tgt Ion:	142	Resp:	4655
Ion	Ratio	Lower	Upper
142	100		
127	42.4	36.6	54.8
141	15.6	10.9	16.3



#11
Tert butyl alcohol
Concen: Below Cal
RT: 2.965 min Scan# 308
Delta R.T. 0.007 min
Lab File: VX047153.D
Acq: 28 Jul 2025 09:58

Tgt Ion:	59	Resp:	279
Ion	Ratio	Lower	Upper
59	100		
57	0.0	8.5	12.7#





#13

Acrolein

Concen: 0.546 ug/l

RT: 2.252 min Scan# 191

Delta R.T. 0.000 min

Lab File: VX047153.D

Acq: 28 Jul 2025 09:58

Instrument :

MSVOA_X

ClientSampleId :

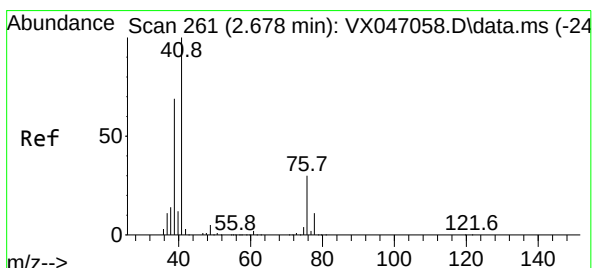
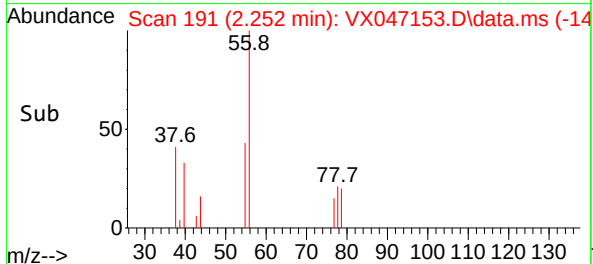
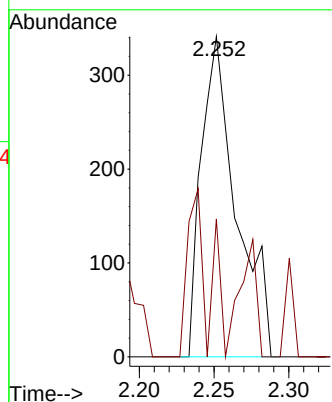
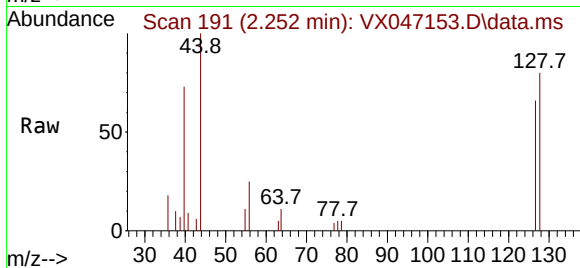
VX0728MBL01

Tgt Ion: 56 Resp: 558

Ion Ratio Lower Upper

56 100

55 30.8 55.7 83.5#



#14

Allyl chloride

Concen: 0.987 ug/l

RT: 2.672 min Scan# 260

Delta R.T. -0.006 min

Lab File: VX047153.D

Acq: 28 Jul 2025 09:58

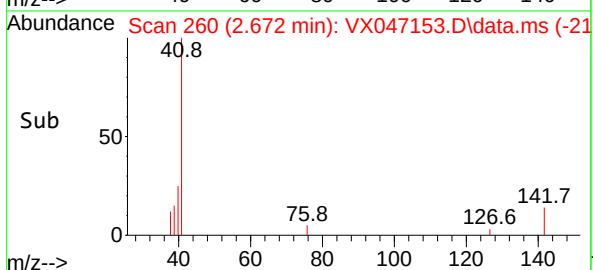
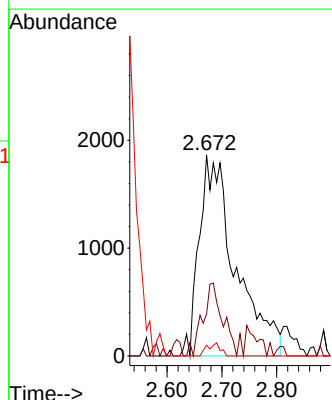
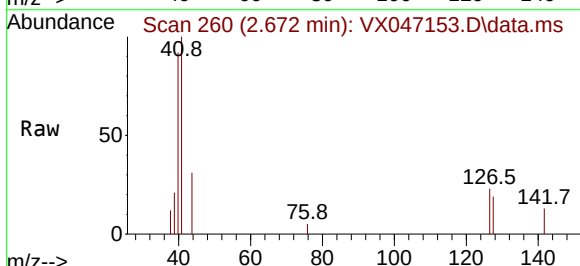
Tgt Ion: 41 Resp: 8539

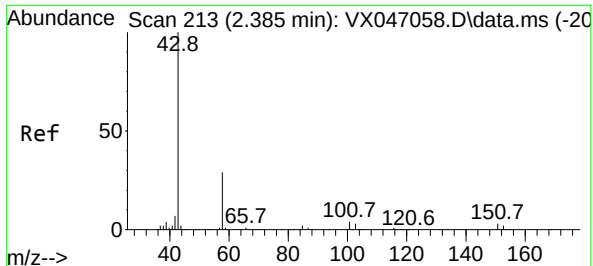
Ion Ratio Lower Upper

41 100

39 19.8 52.6 78.8#

76 2.3 25.7 38.5#

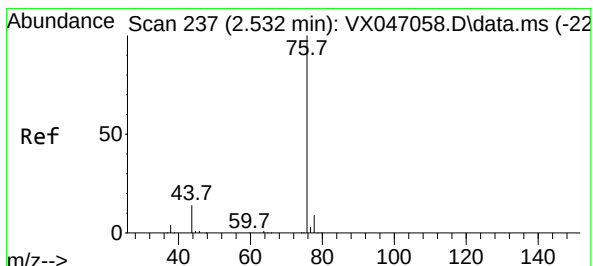
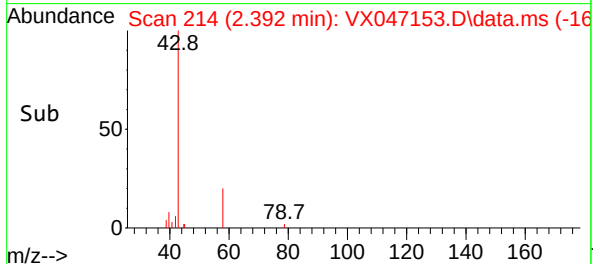
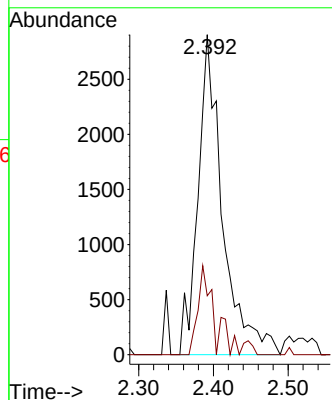
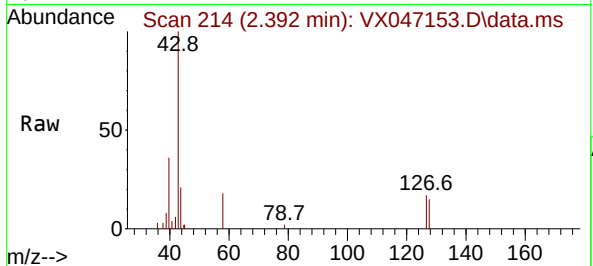




#16
Acetone
Concen: 3.495 ug/l
RT: 2.392 min Scan# 213
Delta R.T. 0.006 min
Lab File: VX047153.D
Acq: 28 Jul 2025 09:58

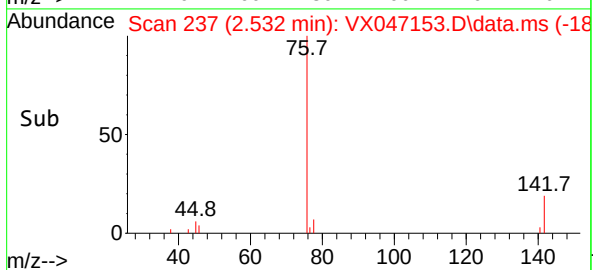
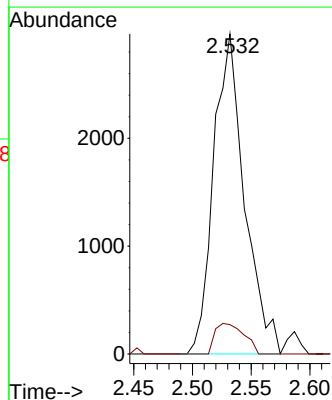
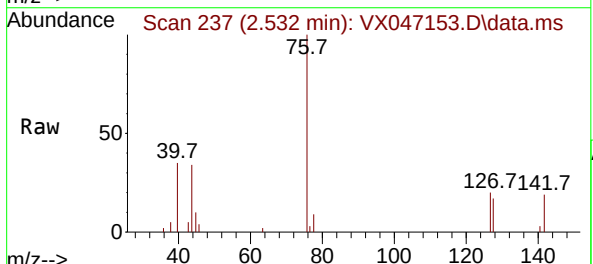
Instrument :
MSVOA_X
ClientSampleId :
VX0728MBL01

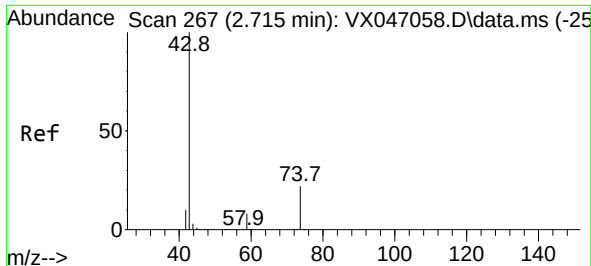
Tgt Ion: 43 Resp: 6643
Ion Ratio Lower Upper
43 100
58 15.2 24.0 36.0#



#17
Carbon Disulfide
Concen: 0.392 ug/l
RT: 2.532 min Scan# 237
Delta R.T. 0.000 min
Lab File: VX047153.D
Acq: 28 Jul 2025 09:58

Tgt Ion: 76 Resp: 5433
Ion Ratio Lower Upper
76 100
78 9.2 7.0 10.4

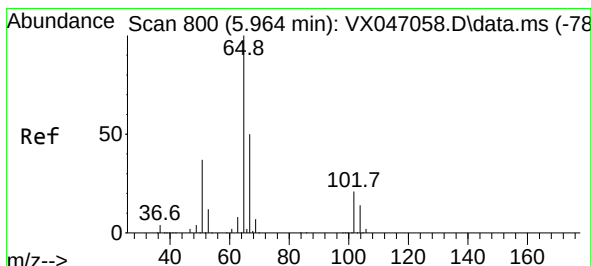
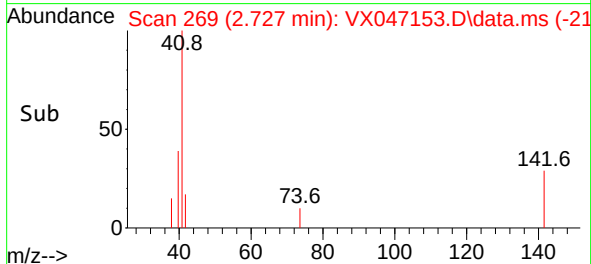
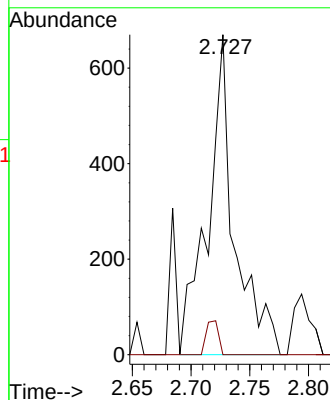
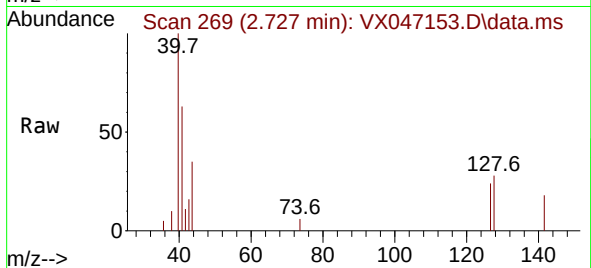




#18
Methyl Acetate
Concen: 0.209 ug/l
RT: 2.727 min Scan# 20
Delta R.T. 0.013 min
Lab File: VX047153.D
Acq: 28 Jul 2025 09:58

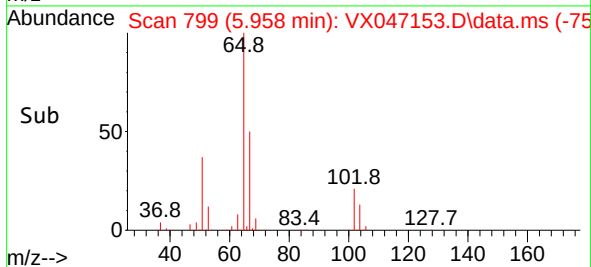
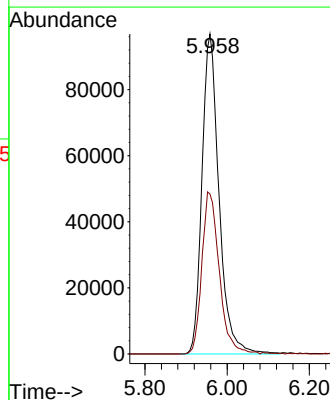
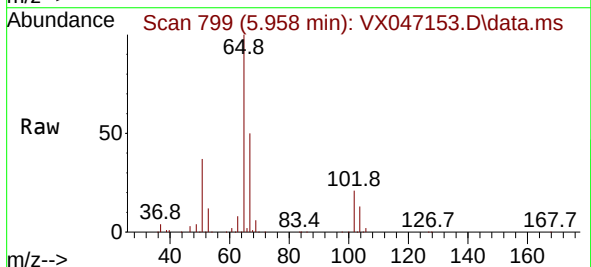
Instrument :
MSVOA_X
ClientSampleId :
VX0728MBL01

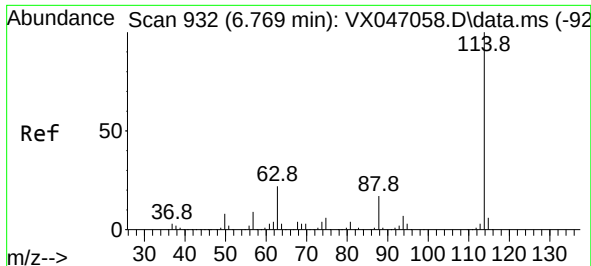
Tgt Ion: 43 Resp: 1055
Ion Ratio Lower Upper
43 100
74 4.8 17.7 26.5#



#33
1,2-Dichloroethane-d4
Concen: 58.605 ug/l
RT: 5.958 min Scan# 799
Delta R.T. -0.006 min
Lab File: VX047153.D
Acq: 28 Jul 2025 09:58

Tgt Ion: 65 Resp: 278066
Ion Ratio Lower Upper
65 100
67 51.8 0.0 104.8

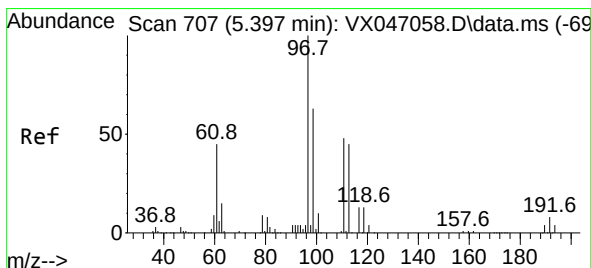
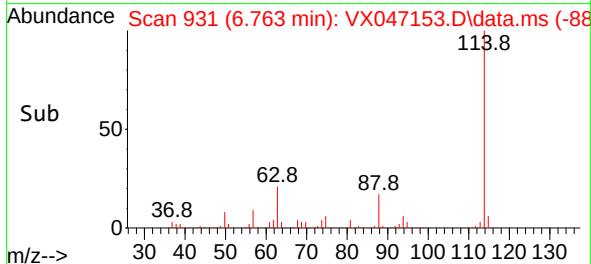
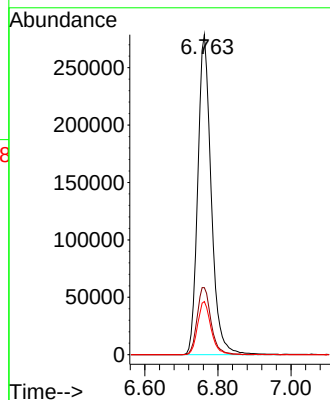
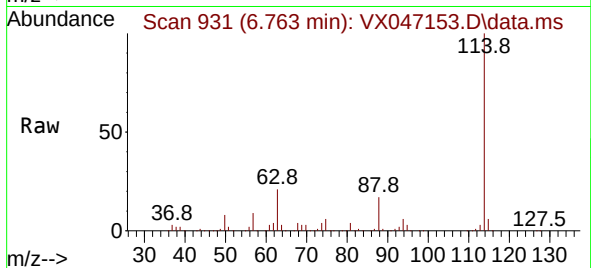




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 911
Delta R.T. -0.006 min
Lab File: VX047153.D
Acq: 28 Jul 2025 09:58

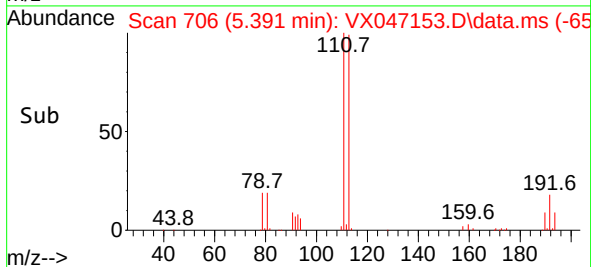
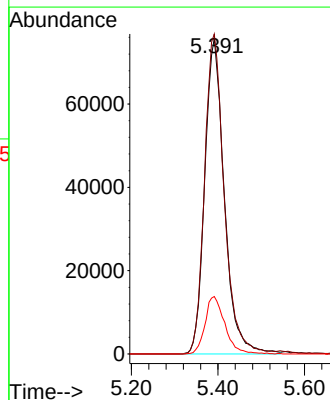
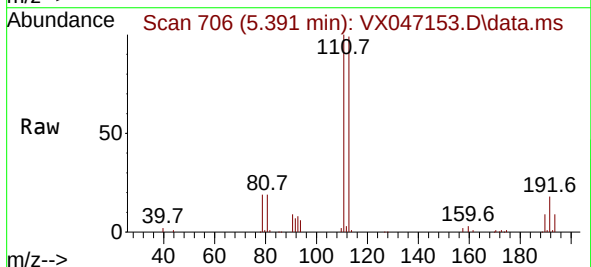
Instrument :
MSVOA_X
ClientSampleId :
VX0728MBL01

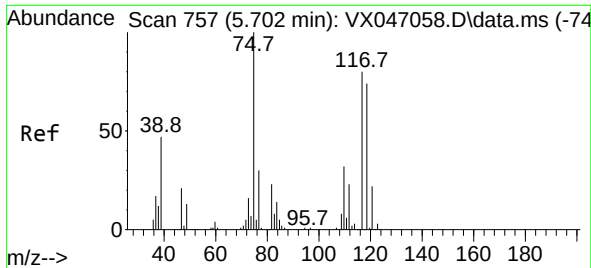
Tgt Ion:114 Resp: 711791
Ion Ratio Lower Upper
114 100
63 20.9 0.0 43.2
88 16.6 0.0 33.8



#35
Dibromofluoromethane
Concen: 54.145 ug/l
RT: 5.391 min Scan# 706
Delta R.T. -0.006 min
Lab File: VX047153.D
Acq: 28 Jul 2025 09:58

Tgt Ion:113 Resp: 237956
Ion Ratio Lower Upper
113 100
111 101.8 82.6 124.0
192 18.4 14.9 22.3

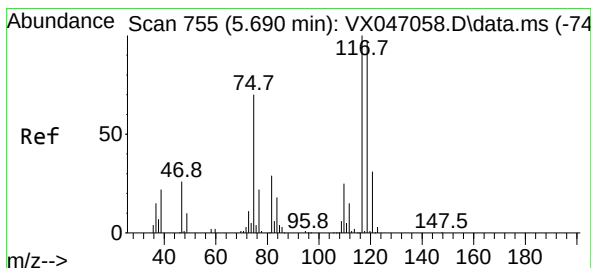
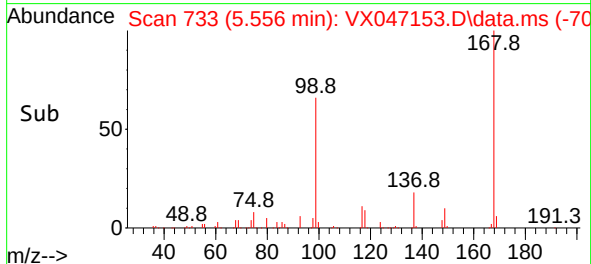
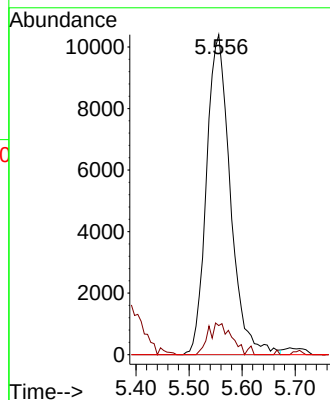
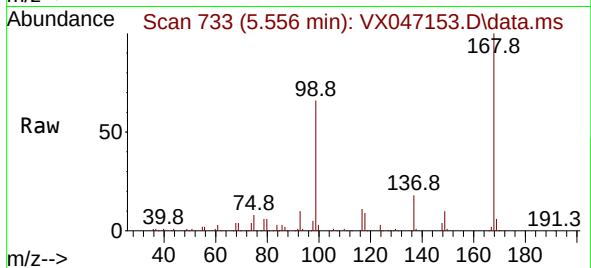




#36
1,1-Dichloropropene
Concen: 4.328 ug/l
RT: 5.556 min Scan# 713
Delta R.T. -0.146 min
Lab File: VX047153.D
Acq: 28 Jul 2025 09:58

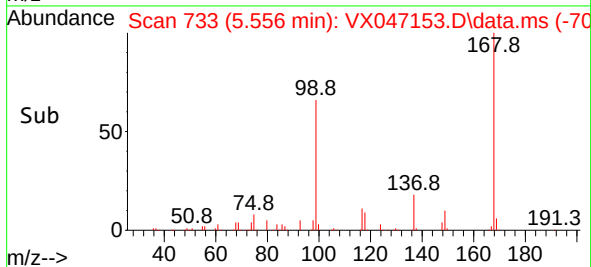
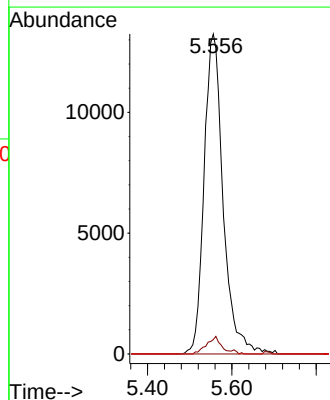
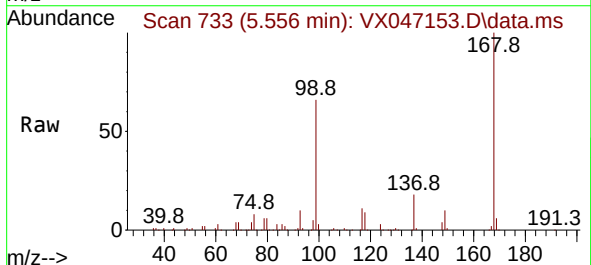
Instrument :
MSVOA_X
ClientSampleId :
VX0728MBL01

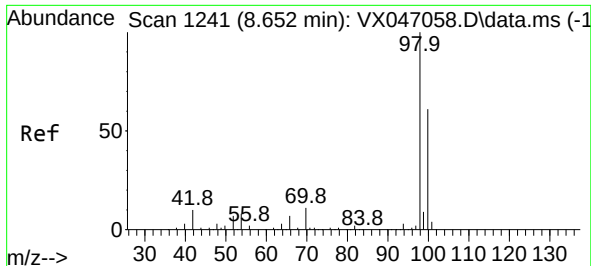
Tgt Ion: 75 Resp: 32422
Ion Ratio Lower Upper
75 100
110 9.4 17.2 51.5#
77 0.0 25.1 37.7#



#38
Carbon Tetrachloride
Concen: 5.216 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.134 min
Lab File: VX047153.D
Acq: 28 Jul 2025 09:58

Tgt Ion: 117 Resp: 41702
Ion Ratio Lower Upper
117 100
119 4.5 76.6 115.0#
121 0.0 24.4 36.6#

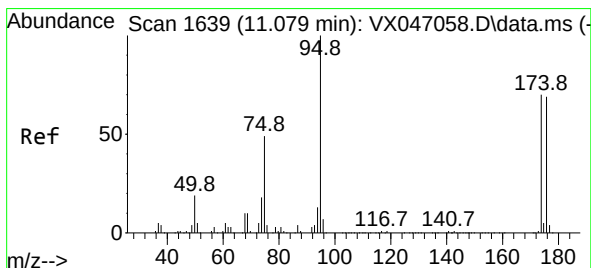
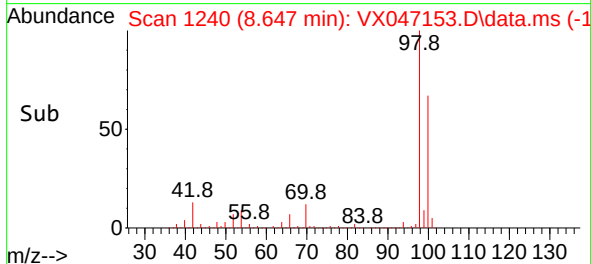
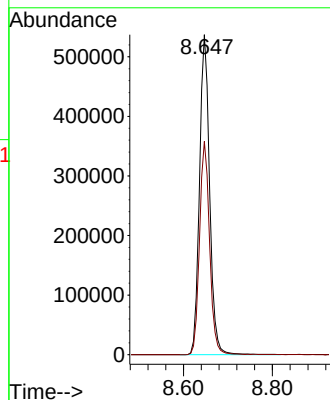
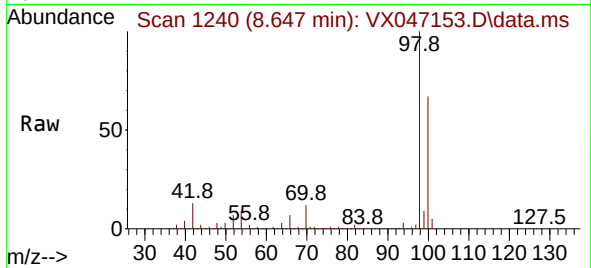




#50
Toluene-d8
Concen: 59.581 ug/l
RT: 8.647 min Scan# 11
Delta R.T. -0.006 min
Lab File: VX047153.D
Acq: 28 Jul 2025 09:58

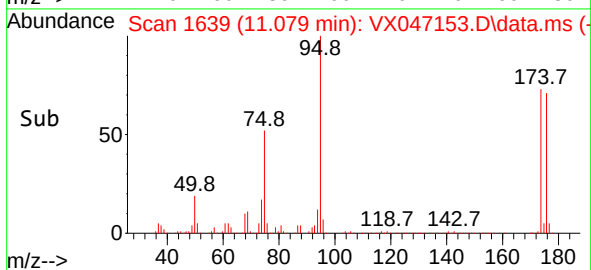
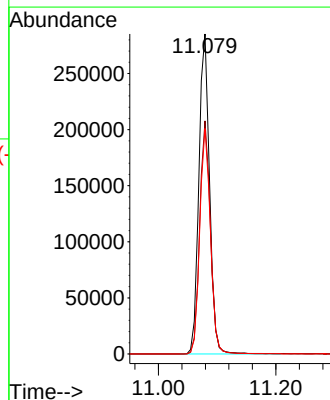
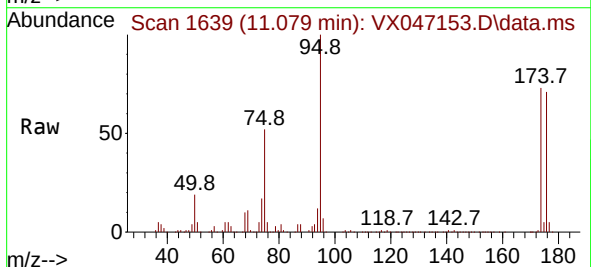
Instrument :
MSVOA_X
ClientSampleId :
VX0728MBL01

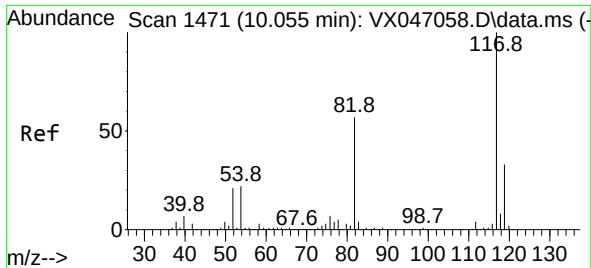
Tgt Ion: 98 Resp: 847990
Ion Ratio Lower Upper
98 100
100 66.3 53.3 79.9



#62
4-Bromofluorobenzene
Concen: 58.494 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX047153.D
Acq: 28 Jul 2025 09:58

Tgt Ion: 95 Resp: 358768
Ion Ratio Lower Upper
95 100
174 72.9 0.0 144.6
176 70.4 0.0 139.6

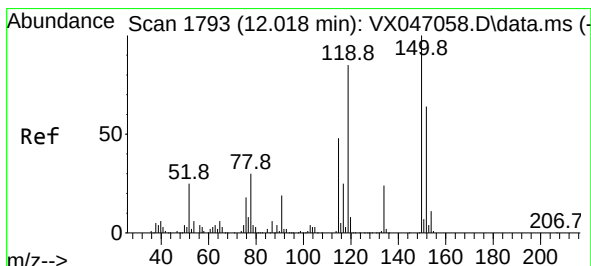
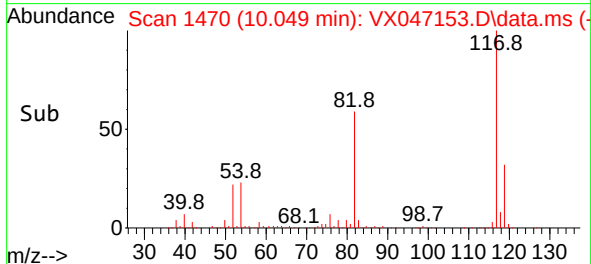
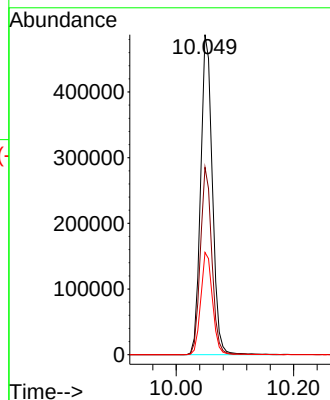
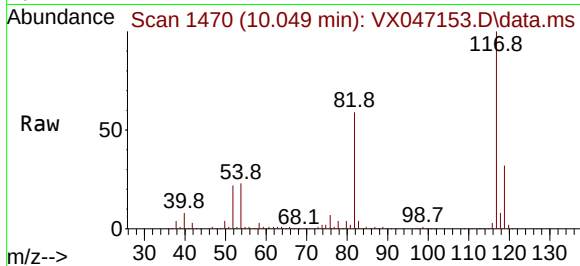




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 1470
Delta R.T. -0.006 min
Lab File: VX047153.D
Acq: 28 Jul 2025 09:58

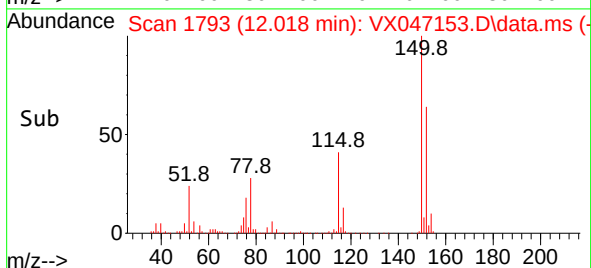
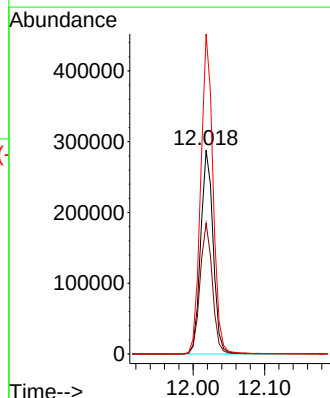
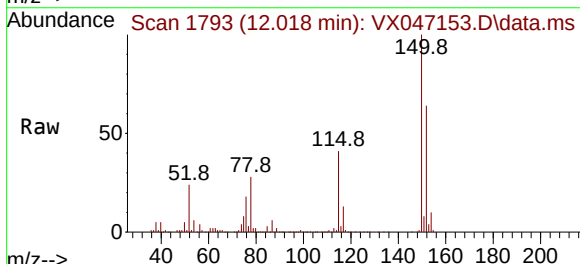
Instrument :
MSVOA_X
ClientSampleId :
VX0728MBL01

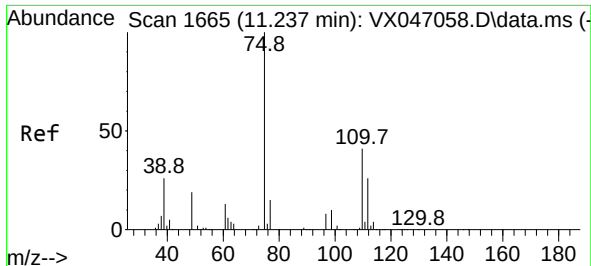
Tgt Ion:117 Resp: 673199
Ion Ratio Lower Upper
117 100
82 58.6 45.4 68.2
119 32.0 26.1 39.1



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. 0.000 min
Lab File: VX047153.D
Acq: 28 Jul 2025 09:58

Tgt Ion:152 Resp: 348234
Ion Ratio Lower Upper
152 100
115 63.5 45.6 136.7
150 154.5 0.0 354.6

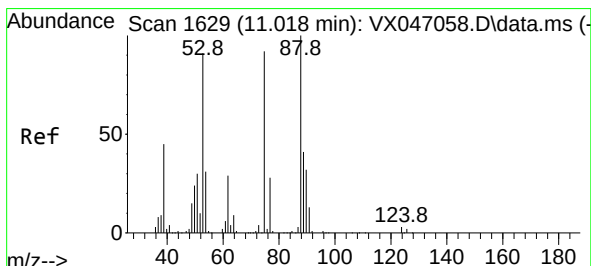
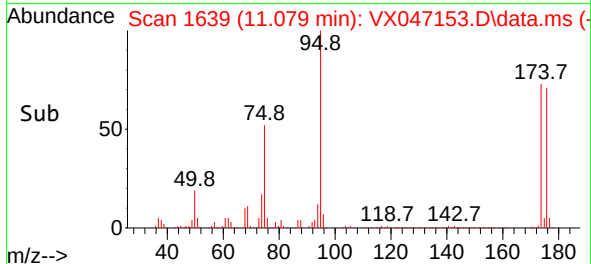
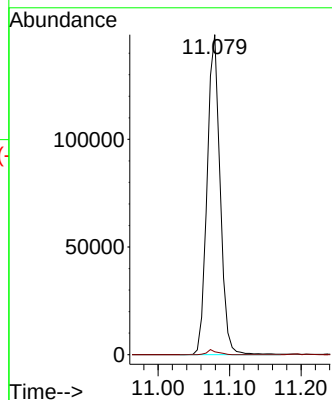
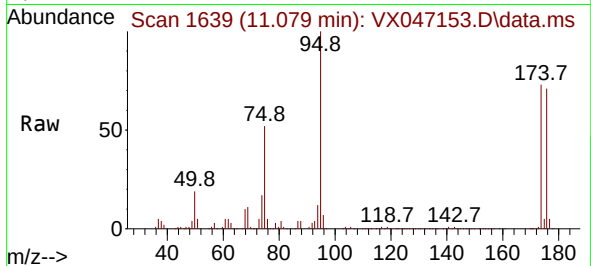




#76
1,2,3-Trichloropropane
Concen: 29.080 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.158 min
Lab File: VX047153.D
Acq: 28 Jul 2025 09:58

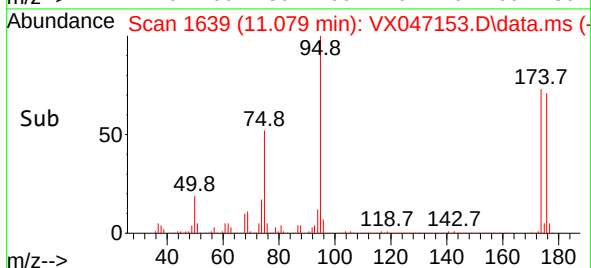
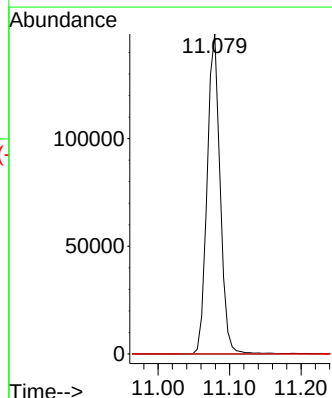
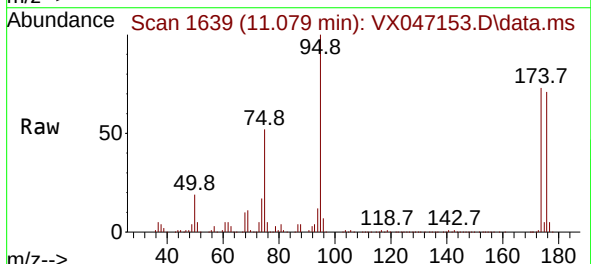
Instrument :
MSVOA_X
ClientSampleId :
VX0728MBL01

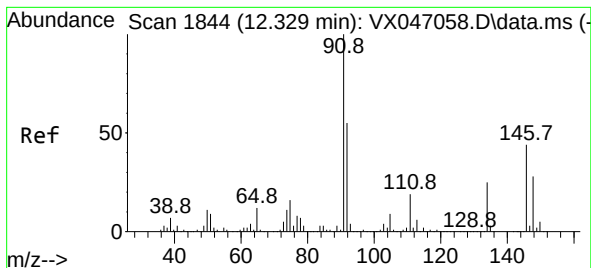
Tgt Ion: 75 Resp: 187438
Ion Ratio Lower Upper
75 100
77 1.3 21.6 65.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 74.921 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX047153.D
Acq: 28 Jul 2025 09:58

Tgt Ion: 75 Resp: 187438
Ion Ratio Lower Upper
75 100
53 0.0 84.2 126.4#
89 0.0 36.0 54.0#





#89

n-Butylbenzene

Concen: 0.219 ug/l

RT: 12.335 min Scan# 1845

Delta R.T. 0.006 min

Lab File: VX047153.D

Acq: 28 Jul 2025 09:58

Instrument :

MSVOA_X

ClientSampleId :

VX0728MBL01

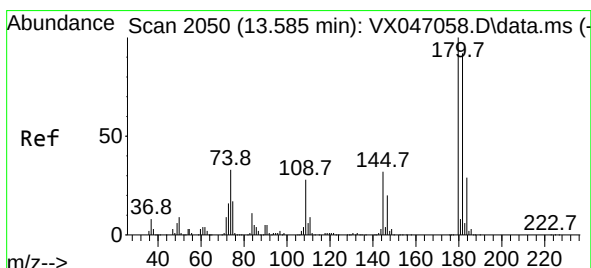
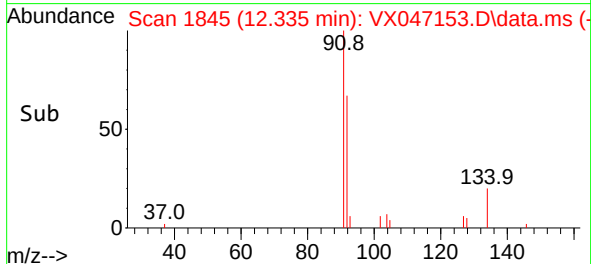
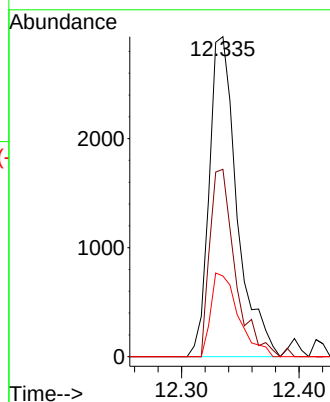
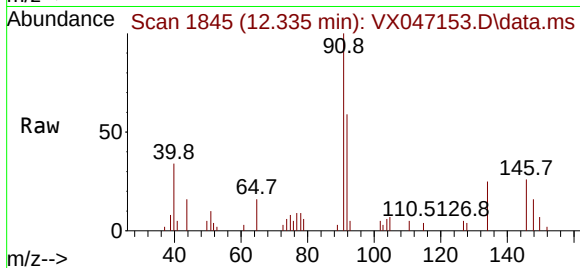
Tgt Ion: 91 Resp: 4841

Ion Ratio Lower Upper

91 100

92 53.2 27.5 82.5

134 25.8 12.8 38.3



#93

1,2,4-Trichlorobenzene

Concen: 0.291 ug/l

RT: 13.591 min Scan# 2051

Delta R.T. 0.006 min

Lab File: VX047153.D

Acq: 28 Jul 2025 09:58

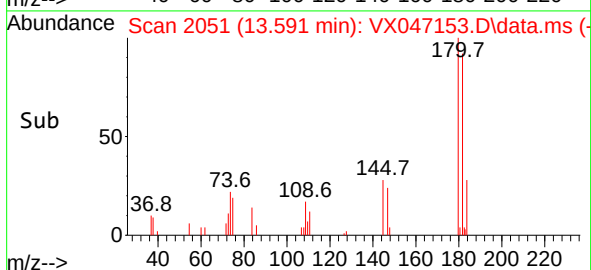
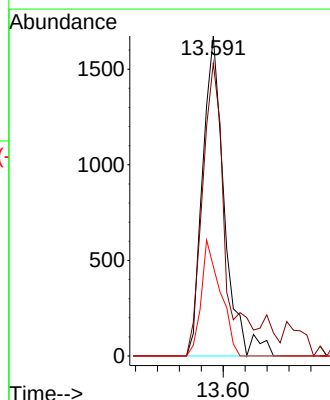
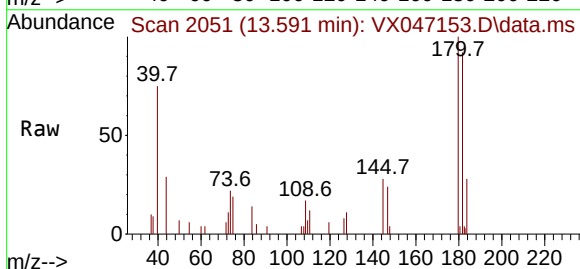
Tgt Ion: 180 Resp: 2304

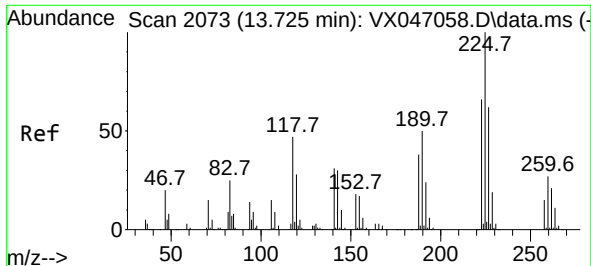
Ion Ratio Lower Upper

180 100

182 93.3 47.3 141.8

145 32.1 16.4 49.1

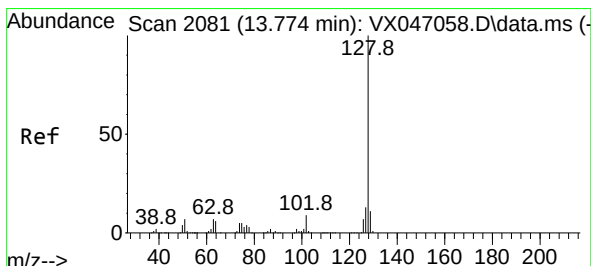
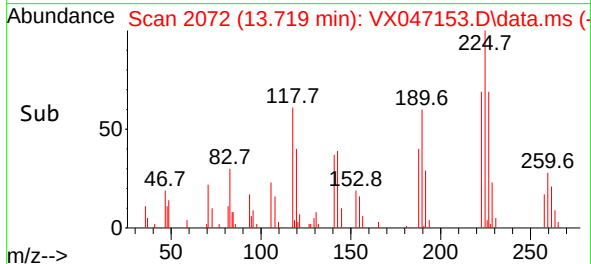
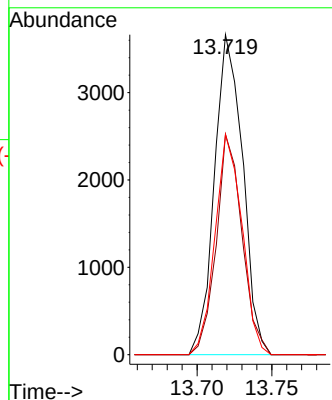
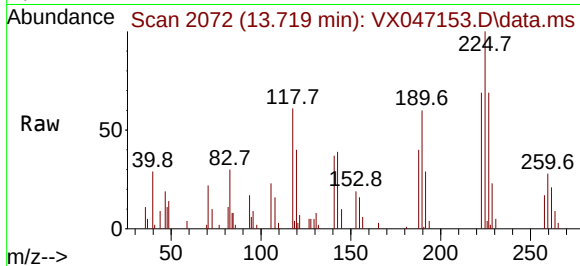




#94
Hexachlorobutadiene
Concen: 1.787 ug/l
RT: 13.719 min Scan# 2072
Delta R.T. -0.006 min
Lab File: VX047153.D
Acq: 28 Jul 2025 09:58

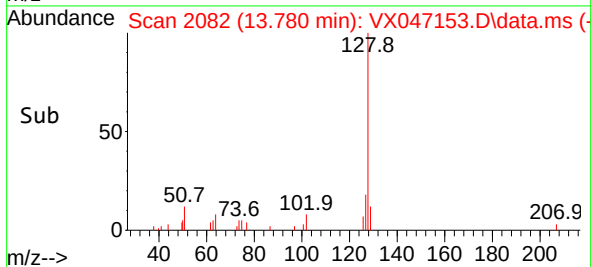
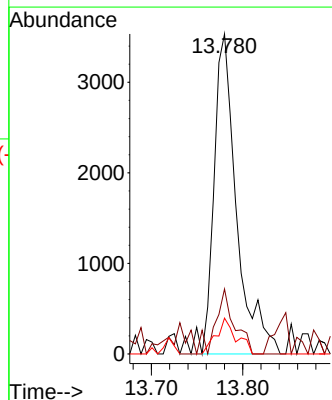
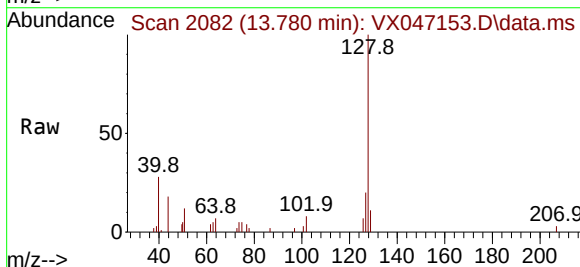
Instrument :
MSVOA_X
ClientSampleId :
VX0728MBL01

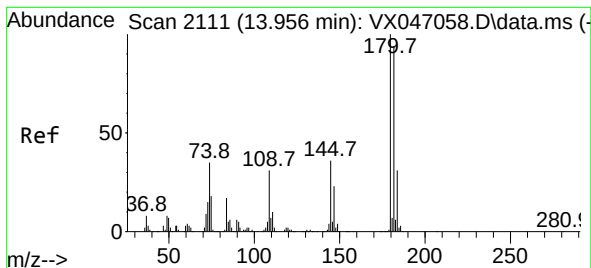
Tgt Ion:225 Resp: 4806
Ion Ratio Lower Upper
225 100
223 63.1 31.6 95.0
227 65.7 32.9 98.6



#95
Naphthalene
Concen: 0.266 ug/l
RT: 13.780 min Scan# 2082
Delta R.T. 0.006 min
Lab File: VX047153.D
Acq: 28 Jul 2025 09:58

Tgt Ion:128 Resp: 6173
Ion Ratio Lower Upper
128 100
127 17.0 10.1 15.1#
129 9.8 8.6 13.0





#96

1,2,3-Trichlorobenzene

Concen: 0.291 ug/l

RT: 13.963 min Scan# 2112

Delta R.T. 0.006 min

Lab File: VX047153.D

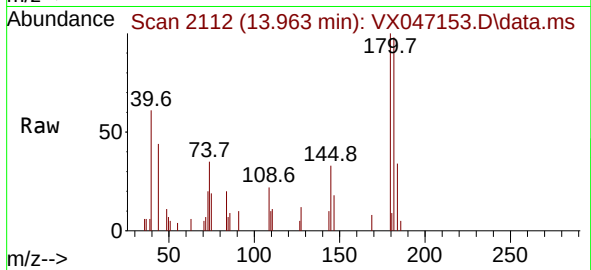
Acq: 28 Jul 2025 09:58

Instrument :

MSVOA_X

ClientSampleId :

VX0728MBL01



Tgt Ion:180 Resp: 2213

Ion Ratio Lower Upper

180 100

182 97.5 46.9 140.6

145 35.1 17.3 52.0

