

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX072925\
 Data File : VX047172.D
 Acq On : 29 Jul 2025 10:19
 Operator : JC/MD
 Sample : VX0729MBL01
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_X/MEOH
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0729MBL01

Quant Time: Jul 30 01:12:34 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)

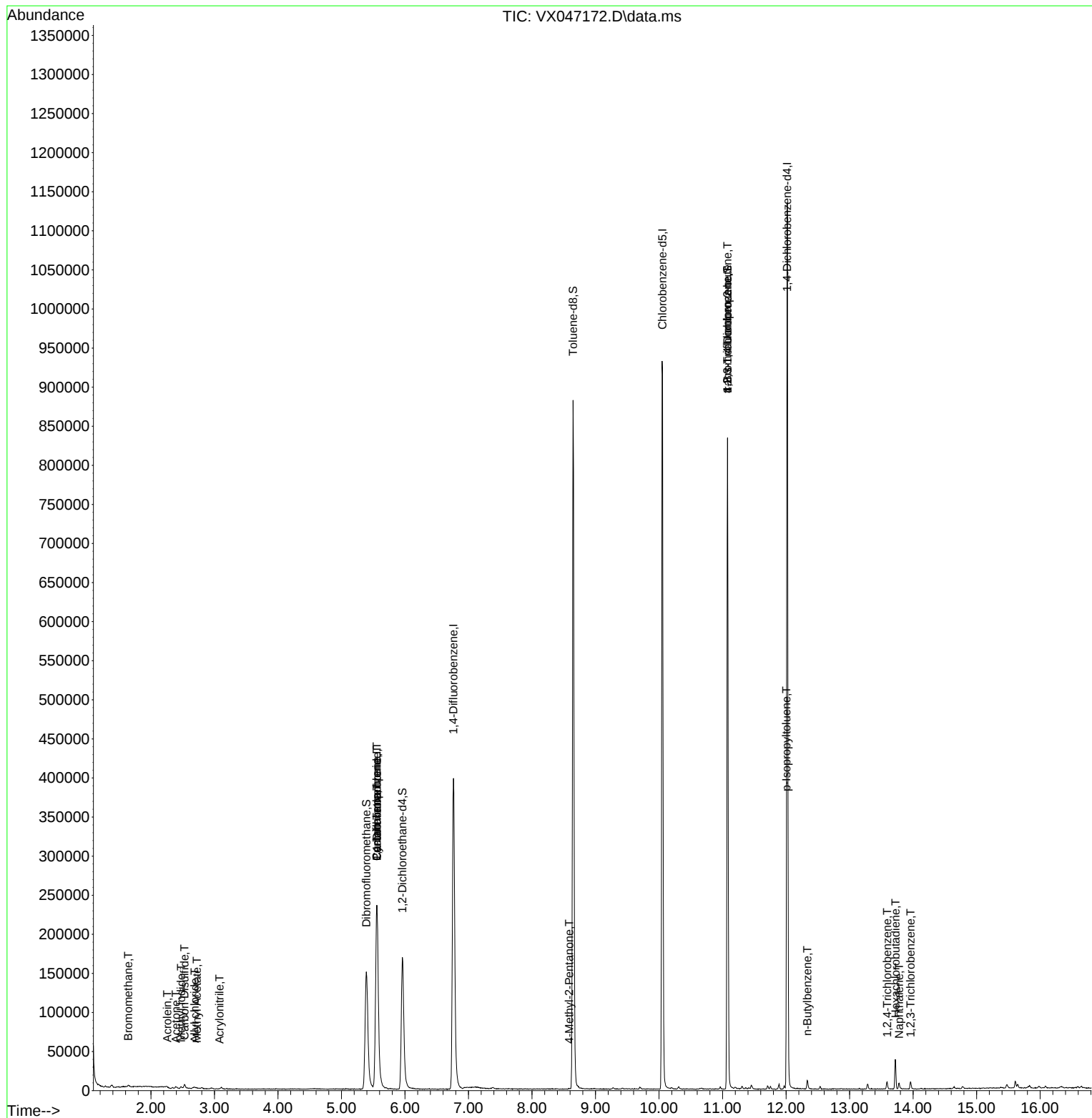
Internal Standards						
1) Pentafluorobenzene	5.556	168	234873	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	435500	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	430801	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	221028	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	176153	60.207	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 120.420%#	
35) Dibromofluoromethane	5.391	113	145504	54.112	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 108.220%	
50) Toluene-d8	8.647	98	536842	61.649	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 123.300%#	
62) 4-Bromofluorobenzene	11.079	95	227628	60.658	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 121.320%	
Target Compounds						
					Qvalue	
5) Bromomethane	1.642	94	1439	0.799	ug/l	82
10) Methyl Iodide	2.477	142	3840	1.264	ug/l	92
11) Tert butyl alcohol	2.977	59	204	Below Cal	#	72
13) Acrolein	2.258	56	619	0.983	ug/l #	72
14) Allyl chloride	2.691	41	3455	0.648	ug/l #	47
15) Acrylonitrile	3.081	53	490	0.351	ug/l #	45
16) Acetone	2.392	43	3121	2.663	ug/l #	83
17) Carbon Disulfide	2.526	76	5931	0.695	ug/l #	89
18) Methyl Acetate	2.721	43	897	0.288	ug/l #	54
31) Cyclohexane	5.556	56	5799	1.060	ug/l #	11
36) 1,1-Dichloropropene	5.556	75	20572	4.488	ug/l #	50
38) Carbon Tetrachloride	5.556	117	24930	5.096	ug/l #	17
51) 4-Methyl-2-Pentanone	8.586	43	1050	0.268	ug/l #	37
76) 1,2,3-Trichloropropane	11.079	75	120144	29.367	ug/l #	34
81) trans-1,4-Dichloro-2-b...	11.079	75	120144	75.661	ug/l #	8
86) p-Isopropyltoluene	12.006	119	3399	0.227	ug/l #	75
89) n-Butylbenzene	12.335	91	4635	0.330	ug/l	98
93) 1,2,4-Trichlorobenzene	13.591	180	2645	0.527	ug/l	95
94) Hexachlorobutadiene	13.725	225	5134	3.008	ug/l	97
95) Naphthalene	13.780	128	6549	0.445	ug/l	97
96) 1,2,3-Trichlorobenzene	13.963	180	2661	0.550	ug/l	87

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

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ALS Vial : 3 Sample Multiplier: 1

Instrument :
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ClientSampleId :
VX0729MBL01

Quant Time: Jul 30 01:12:34 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

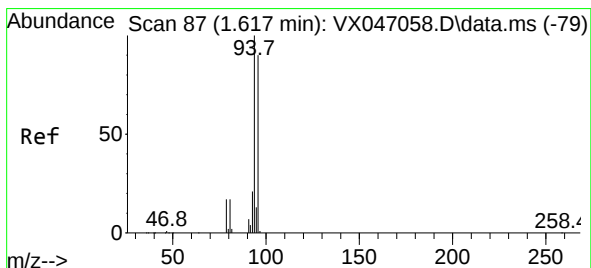
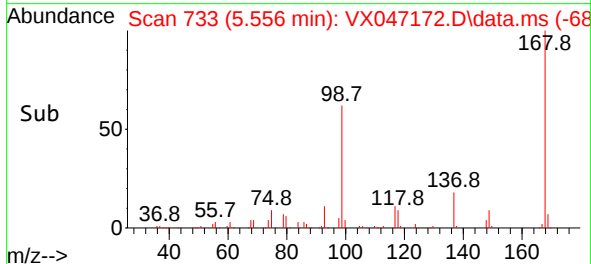
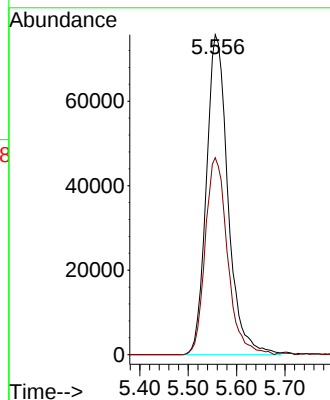
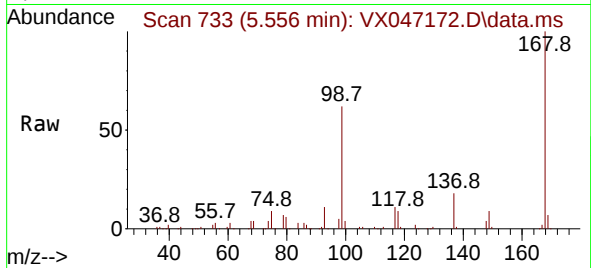




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX047172.D
Acq: 29 Jul 2025 10:19

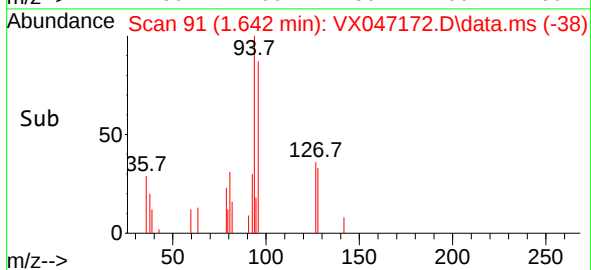
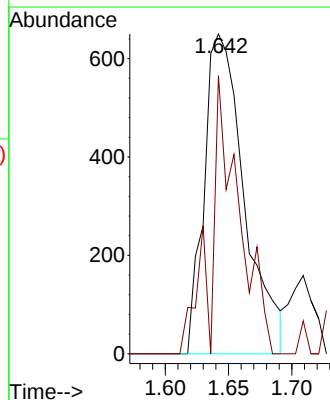
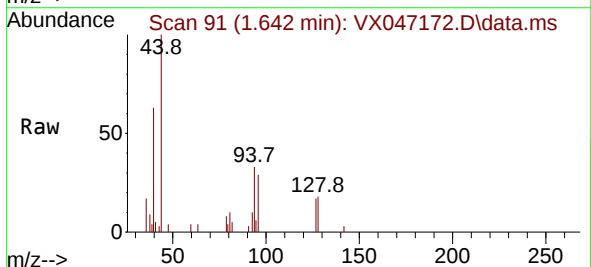
Instrument :
MSVOA_X
ClientSampleId :
VX0729MBL01

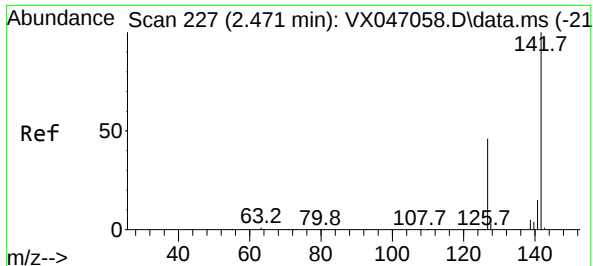
Tgt Ion:168 Resp: 234873
Ion Ratio Lower Upper
168 100
99 61.5 48.0 72.0



#5
Bromomethane
Concen: 0.799 ug/l
RT: 1.642 min Scan# 91
Delta R.T. 0.025 min
Lab File: VX047172.D
Acq: 29 Jul 2025 10:19

Tgt Ion: 94 Resp: 1439
Ion Ratio Lower Upper
94 100
96 73.8 72.3 108.5

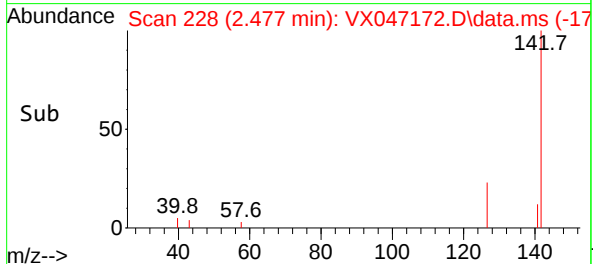
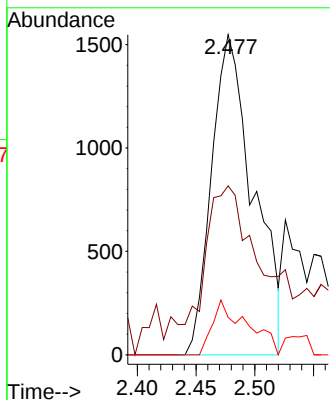
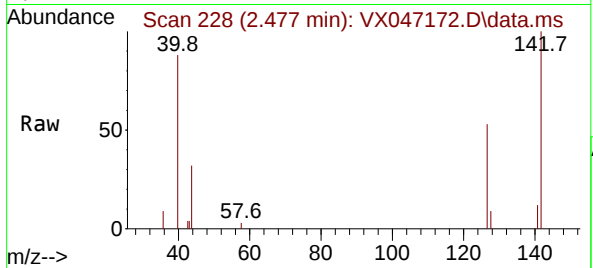




#10
Methyl Iodide
Concen: 1.264 ug/l
RT: 2.477 min Scan# 21
Delta R.T. 0.007 min
Lab File: VX047172.D
Acq: 29 Jul 2025 10:19

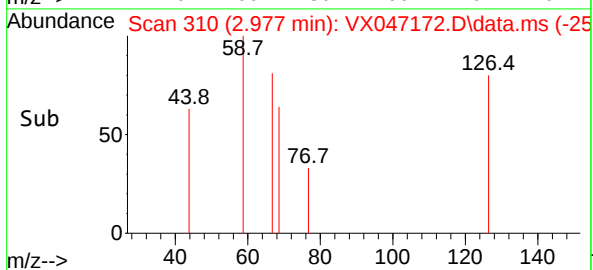
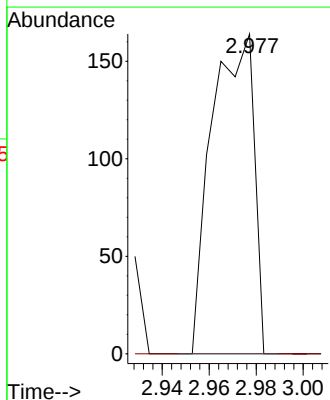
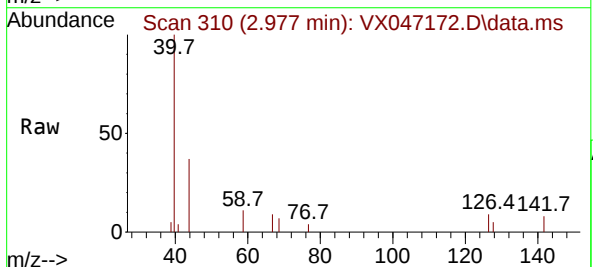
Instrument :
MSVOA_X
ClientSampleId :
VX0729MBL01

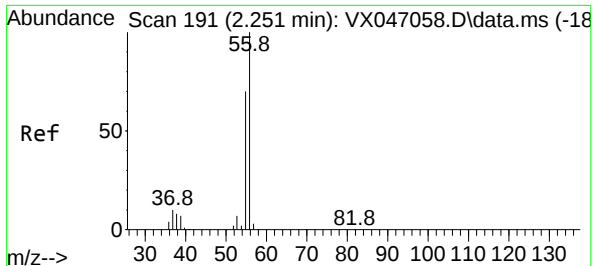
Tgt Ion:142 Resp: 3840
Ion Ratio Lower Upper
142 100
127 52.0 36.6 54.8
141 14.2 10.9 16.3



#11
Tert butyl alcohol
Concen: Below Cal
RT: 2.977 min Scan# 310
Delta R.T. 0.019 min
Lab File: VX047172.D
Acq: 29 Jul 2025 10:19

Tgt Ion: 59 Resp: 204
Ion Ratio Lower Upper
59 100
57 0.0 8.5 12.7#





#13

Acrolein

Concen: 0.983 ug/l

RT: 2.258 min Scan# 191

Delta R.T. 0.007 min

Lab File: VX047172.D

Acq: 29 Jul 2025 10:19

Instrument :

MSVOA_X

ClientSampleId :

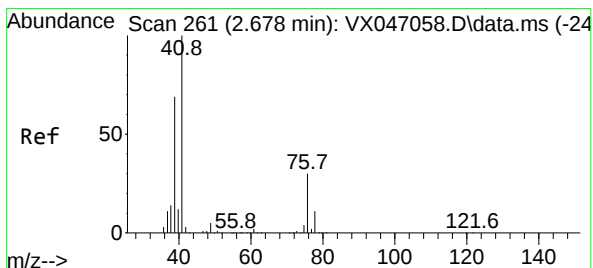
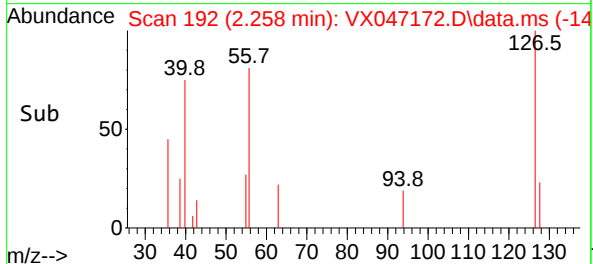
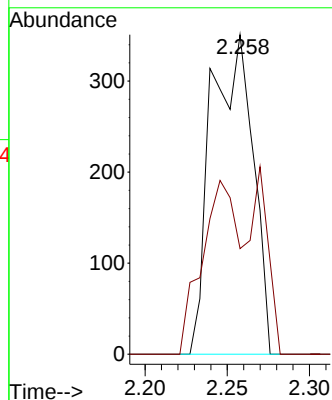
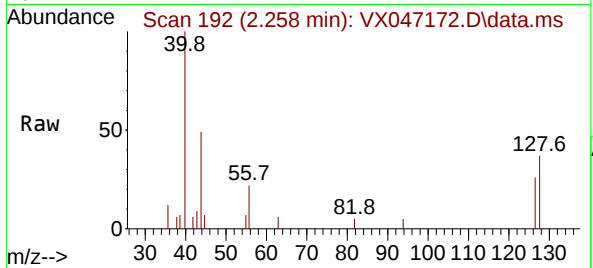
VX0729MBL01

Tgt Ion: 56 Resp: 619

Ion Ratio Lower Upper

56 100

55 46.7 55.7 83.5#



#14

Allyl chloride

Concen: 0.648 ug/l

RT: 2.691 min Scan# 263

Delta R.T. 0.013 min

Lab File: VX047172.D

Acq: 29 Jul 2025 10:19

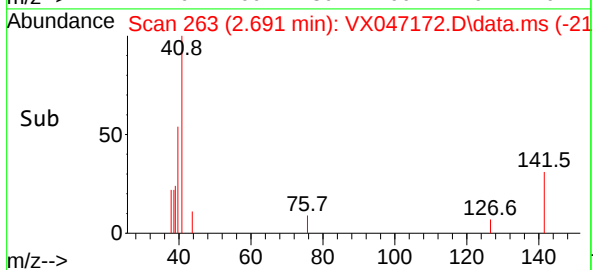
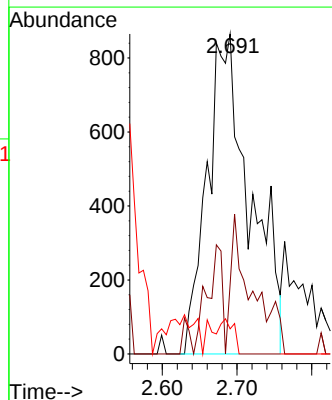
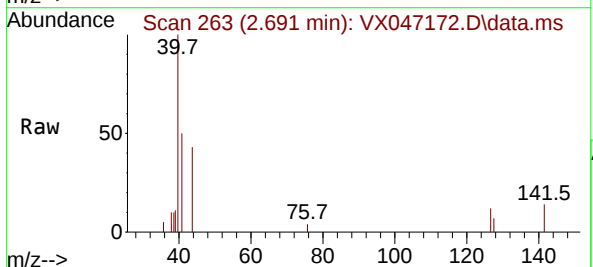
Tgt Ion: 41 Resp: 3455

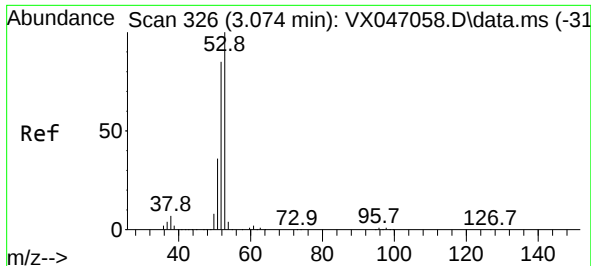
Ion Ratio Lower Upper

41 100

39 21.8 52.6 78.8#

76 5.6 25.7 38.5#





#15

Acrylonitrile

Concen: 0.351 ug/l

RT: 3.081 min Scan# 31

Delta R.T. 0.007 min

Lab File: VX047172.D

Acq: 29 Jul 2025 10:19

Instrument :

MSVOA_X

ClientSampleId :

VX0729MBL01

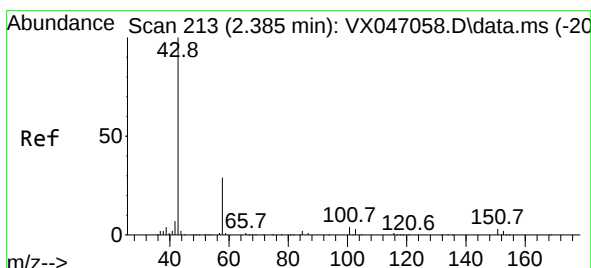
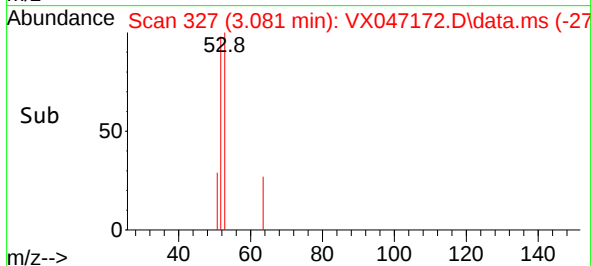
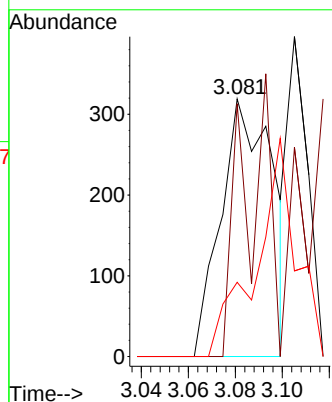
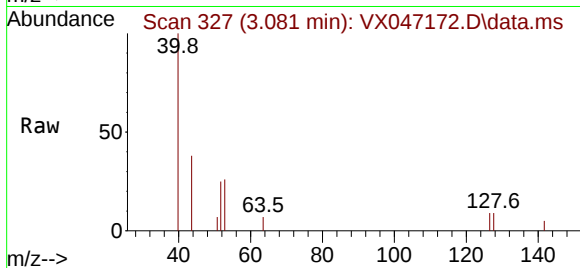
Tgt Ion: 53 Resp: 490

Ion Ratio Lower Upper

53 100

52 30.0 65.7 98.5#

51 64.5 28.8 43.2#



#16

Acetone

Concen: 2.663 ug/l

RT: 2.392 min Scan# 214

Delta R.T. 0.007 min

Lab File: VX047172.D

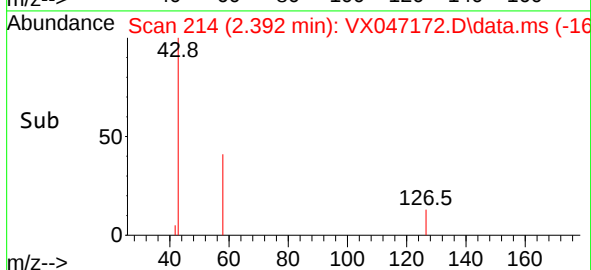
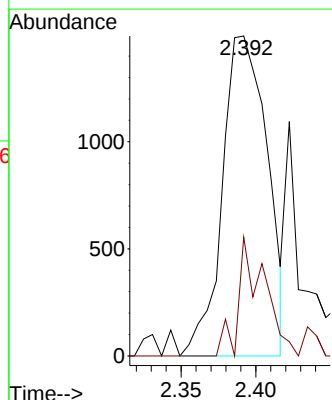
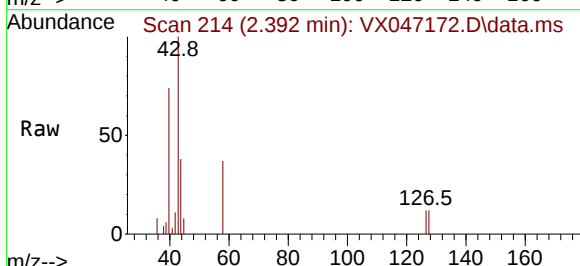
Acq: 29 Jul 2025 10:19

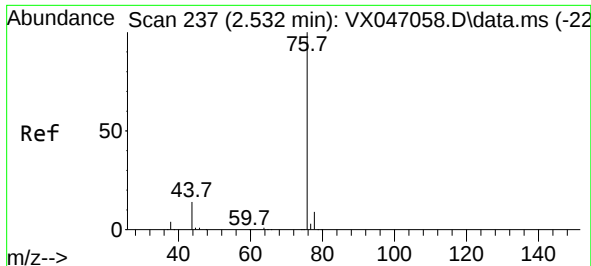
Tgt Ion: 43 Resp: 3121

Ion Ratio Lower Upper

43 100

58 39.1 24.0 36.0#





#17

Carbon Disulfide

Concen: 0.695 ug/l

RT: 2.526 min Scan# 21

Delta R.T. -0.006 min

Lab File: VX047172.D

Acq: 29 Jul 2025 10:19

Instrument :

MSVOA_X

ClientSampleId :

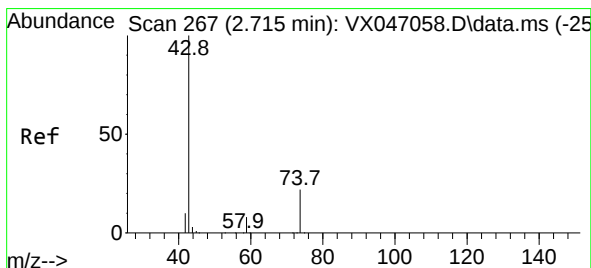
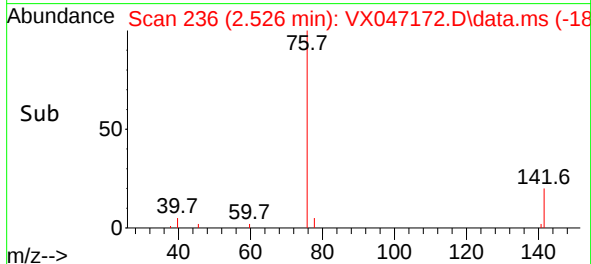
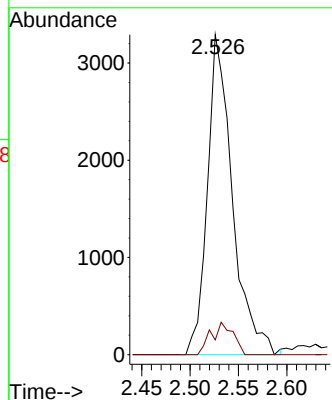
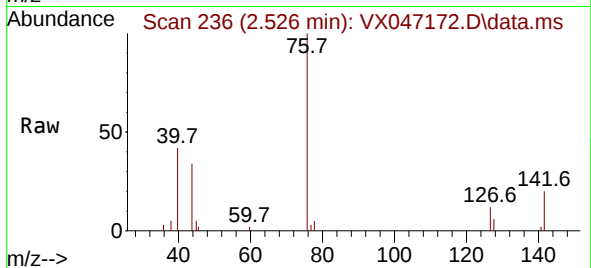
VX0729MBL01

Tgt Ion: 76 Resp: 5931

Ion Ratio Lower Upper

76 100

78 4.6 7.0 10.4#



#18

Methyl Acetate

Concen: 0.288 ug/l

RT: 2.721 min Scan# 268

Delta R.T. 0.007 min

Lab File: VX047172.D

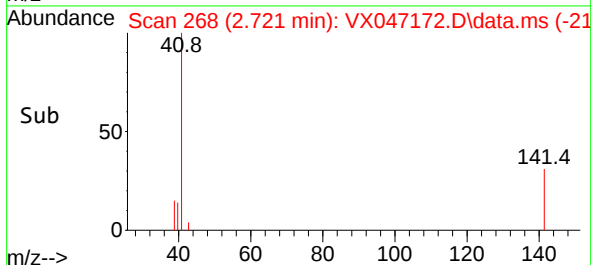
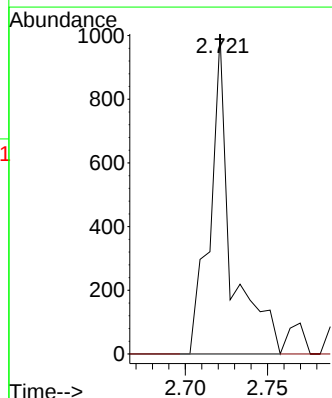
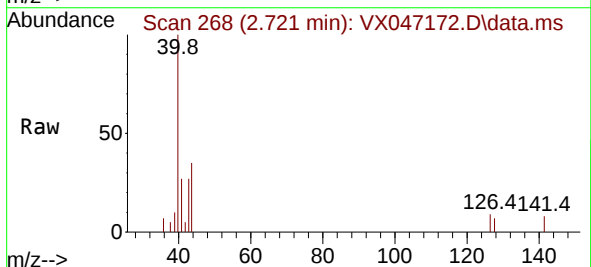
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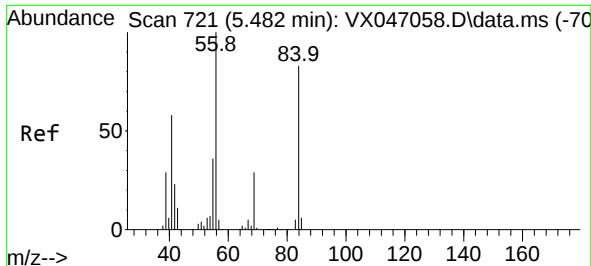
Tgt Ion: 43 Resp: 897

Ion Ratio Lower Upper

43 100

74 0.0 17.7 26.5#

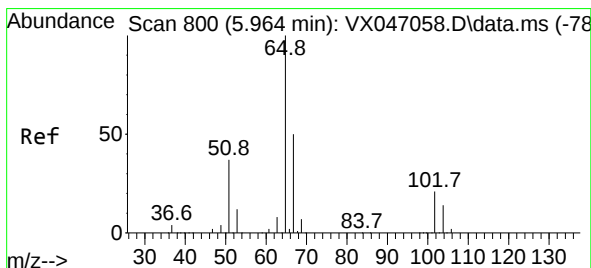
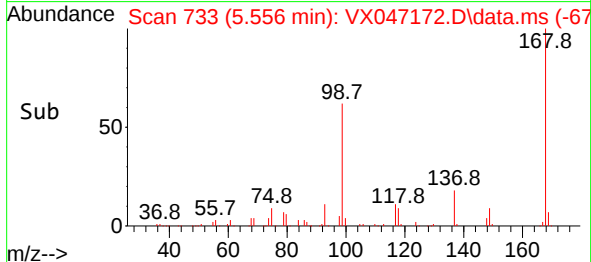
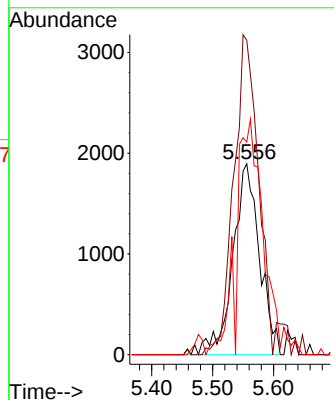
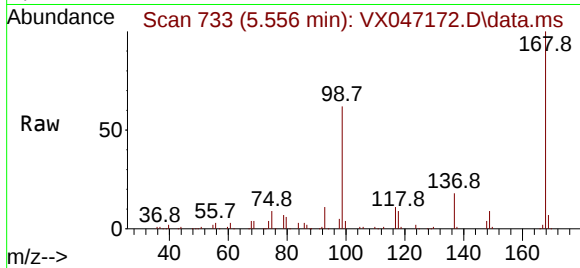




#31
Cyclohexane
Concen: 1.060 ug/l
RT: 5.556 min Scan# 719
Delta R.T. 0.074 min
Lab File: VX047172.D
Acq: 29 Jul 2025 10:19

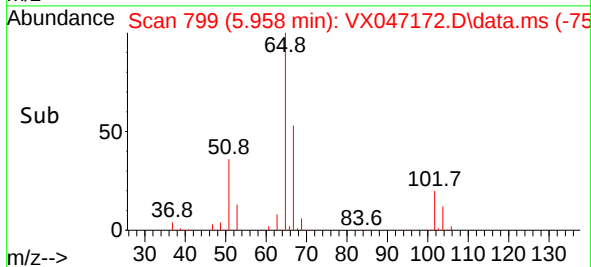
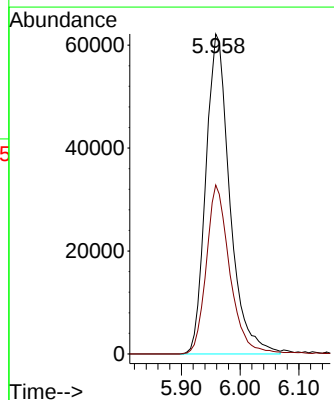
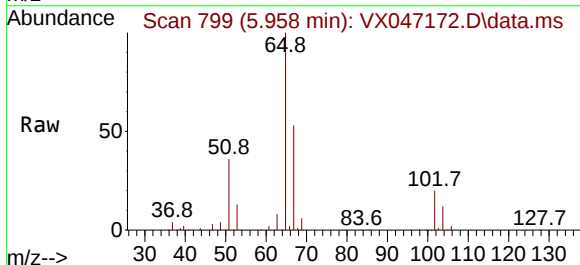
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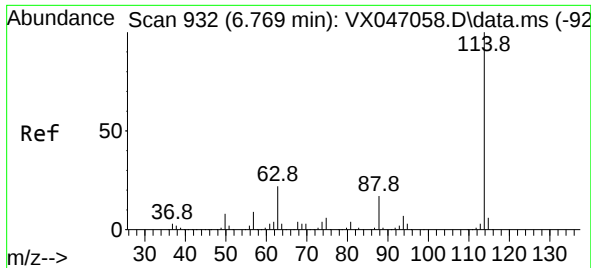
Tgt Ion: 56 Resp: 5799
Ion Ratio Lower Upper
56 100
69 164.7 23.3 34.9#
84 111.4 66.5 99.7#



#33
1,2-Dichloroethane-d4
Concen: 60.207 ug/l
RT: 5.958 min Scan# 799
Delta R.T. -0.006 min
Lab File: VX047172.D
Acq: 29 Jul 2025 10:19

Tgt Ion: 65 Resp: 176153
Ion Ratio Lower Upper
65 100
67 52.0 0.0 104.8

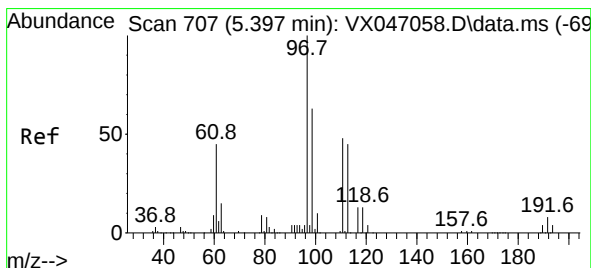
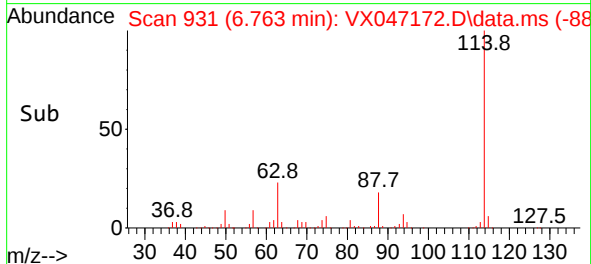
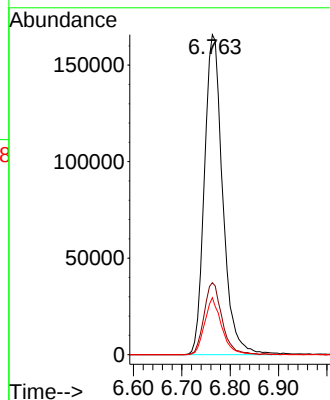
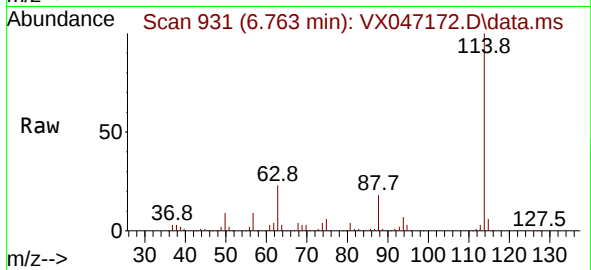




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. -0.006 min
Lab File: VX047172.D
Acq: 29 Jul 2025 10:19

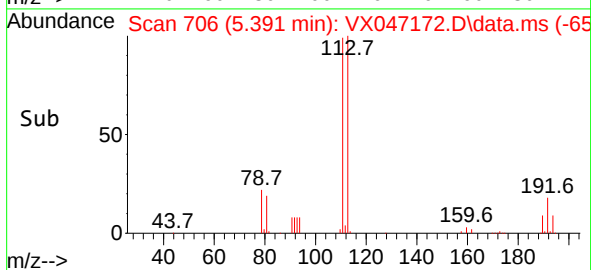
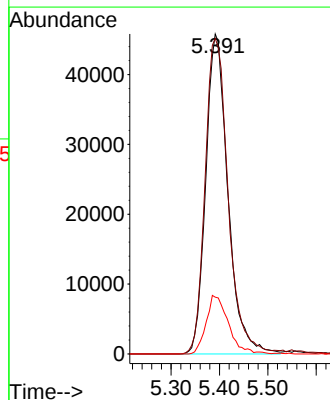
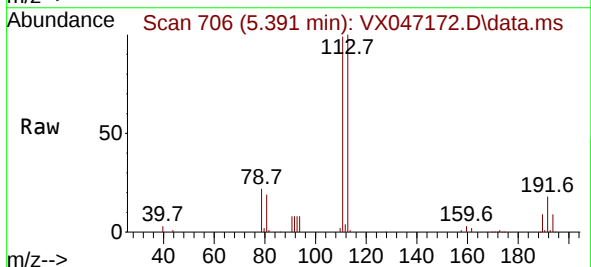
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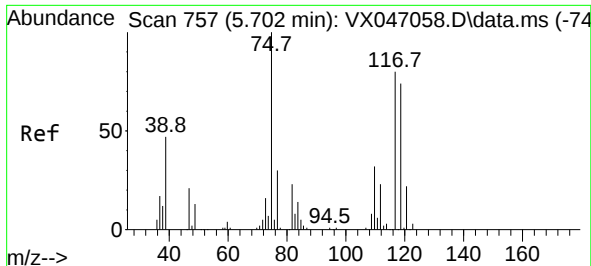
Tgt Ion:114 Resp: 435500
Ion Ratio Lower Upper
114 100
63 22.5 0.0 43.2
88 17.8 0.0 33.8



#35
Dibromofluoromethane
Concen: 54.112 ug/l
RT: 5.391 min Scan# 706
Delta R.T. -0.006 min
Lab File: VX047172.D
Acq: 29 Jul 2025 10:19

Tgt Ion:113 Resp: 145504
Ion Ratio Lower Upper
113 100
111 103.2 82.6 124.0
192 18.2 14.9 22.3

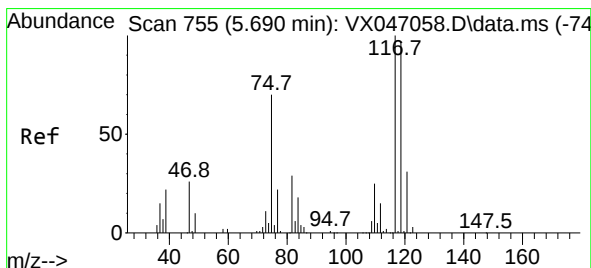
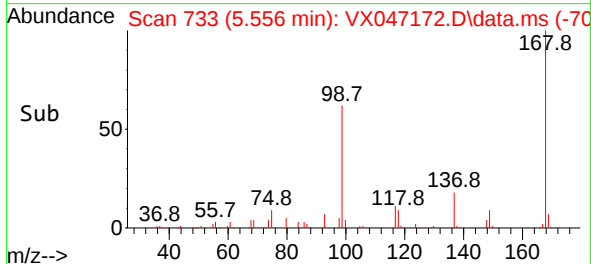
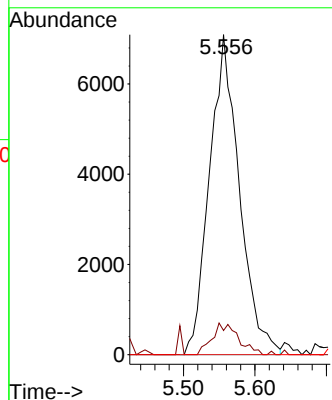
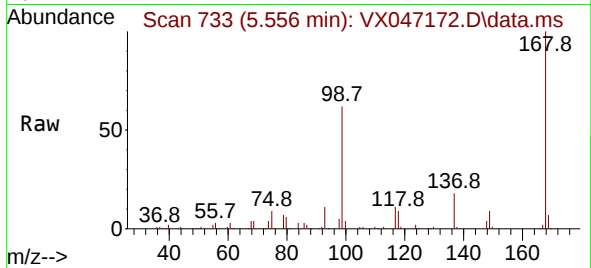




#36
1,1-Dichloropropene
Concen: 4.488 ug/l
RT: 5.556 min Scan# 713
Delta R.T. -0.146 min
Lab File: VX047172.D
Acq: 29 Jul 2025 10:19

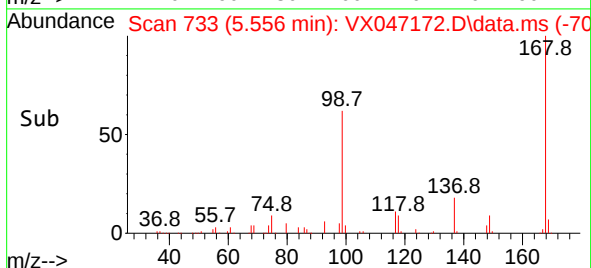
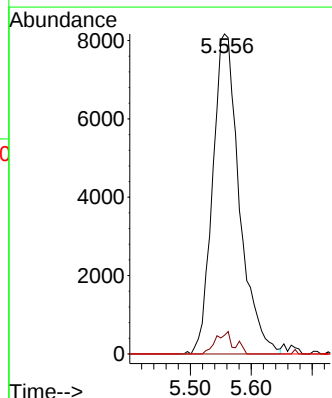
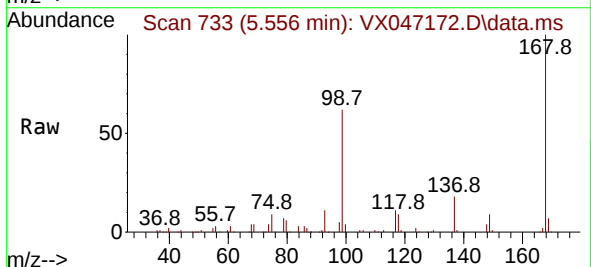
Instrument :
MSVOA_X
ClientSampleId :
VX0729MBL01

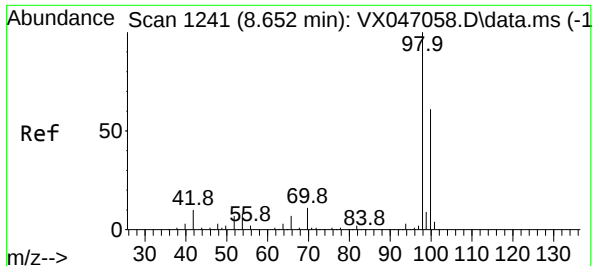
Tgt Ion: 75 Resp: 20572
Ion Ratio Lower Upper
75 100
110 8.6 17.2 51.5#
77 0.0 25.1 37.7#



#38
Carbon Tetrachloride
Concen: 5.096 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.134 min
Lab File: VX047172.D
Acq: 29 Jul 2025 10:19

Tgt Ion: 117 Resp: 24930
Ion Ratio Lower Upper
117 100
119 5.8 76.6 115.0#
121 0.0 24.4 36.6#

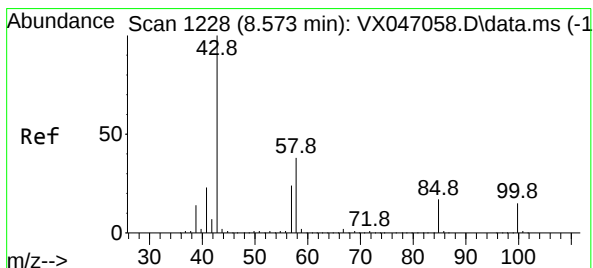
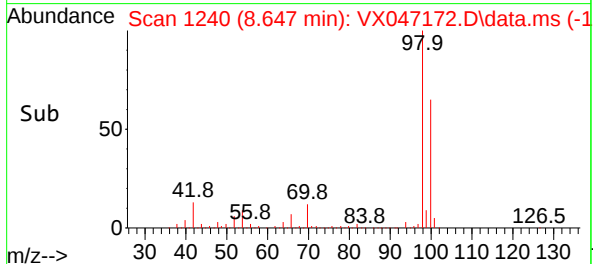
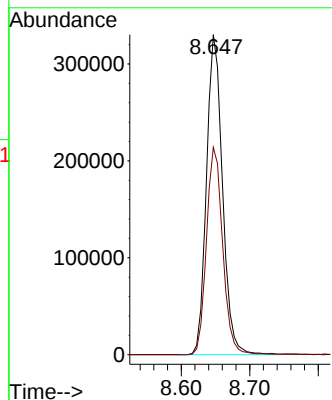
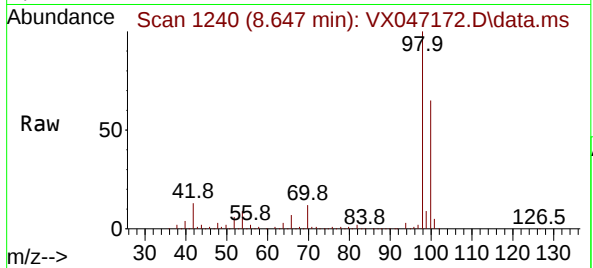




#50
Toluene-d8
Concen: 61.649 ug/l
RT: 8.647 min Scan# 11
Delta R.T. -0.006 min
Lab File: VX047172.D
Acq: 29 Jul 2025 10:19

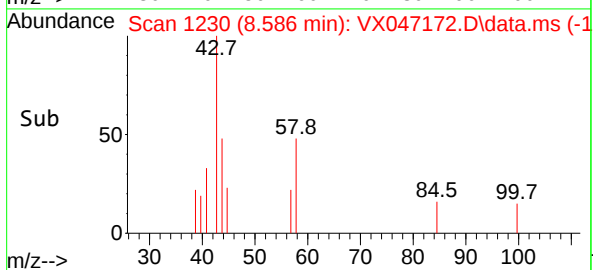
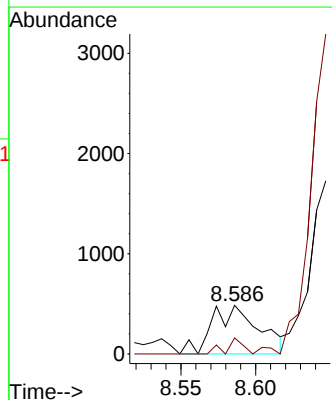
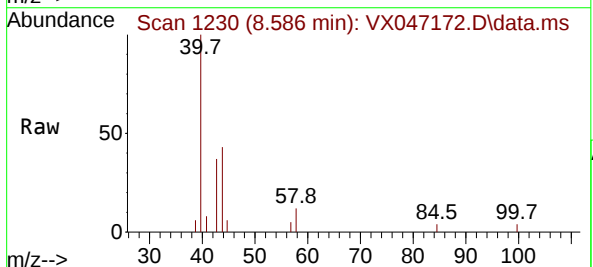
Instrument :
MSVOA_X
ClientSampleId :
VX0729MBL01

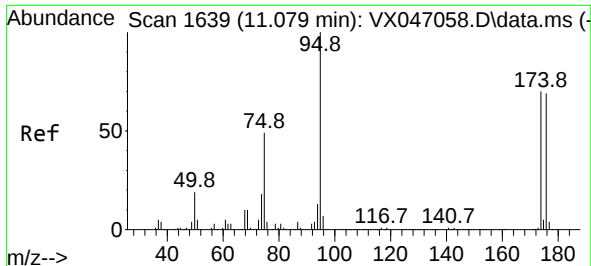
Tgt Ion: 98 Resp: 536842
Ion Ratio Lower Upper
98 100
100 65.9 53.3 79.9



#51
4-Methyl-2-Pentanone
Concen: 0.268 ug/l
RT: 8.586 min Scan# 1230
Delta R.T. 0.013 min
Lab File: VX047172.D
Acq: 29 Jul 2025 10:19

Tgt Ion: 43 Resp: 1050
Ion Ratio Lower Upper
43 100
58 0.0 30.6 45.8#

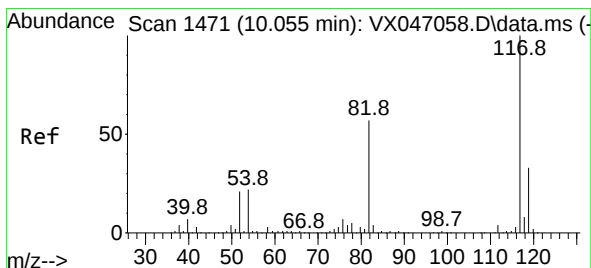
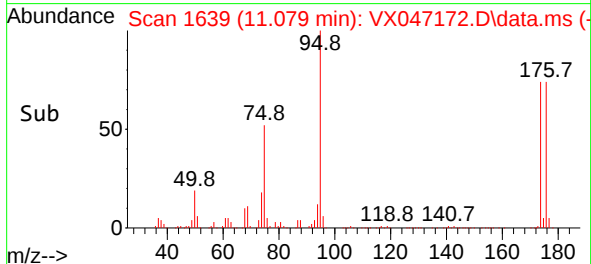
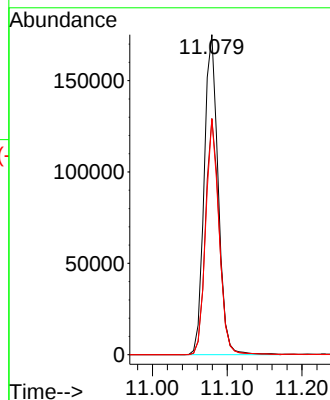
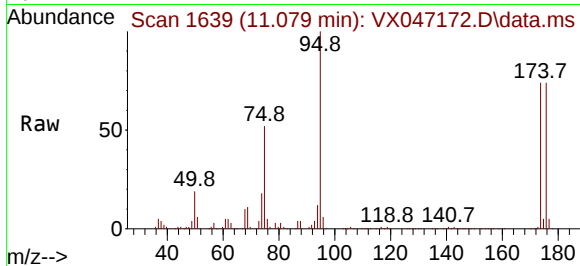




#62
4-Bromofluorobenzene
Concen: 60.658 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX047172.D
Acq: 29 Jul 2025 10:19

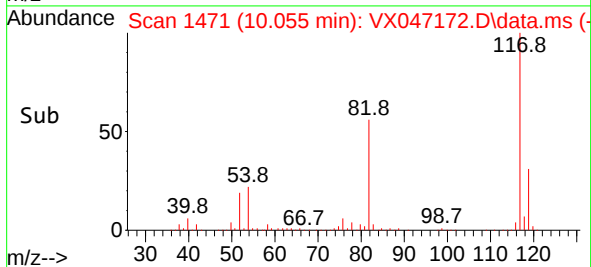
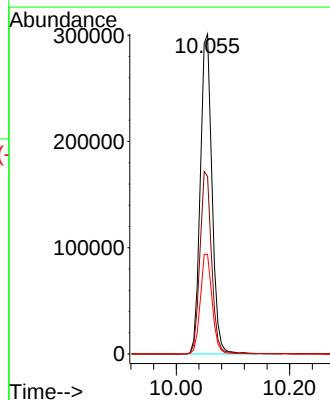
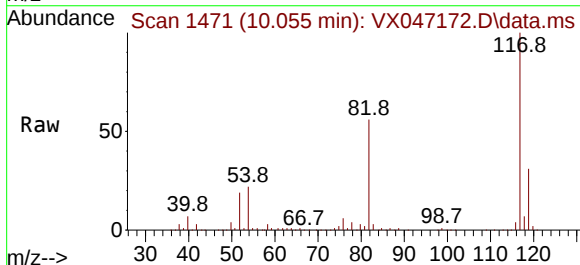
Instrument :
MSVOA_X
ClientSampleId :
VX0729MBL01

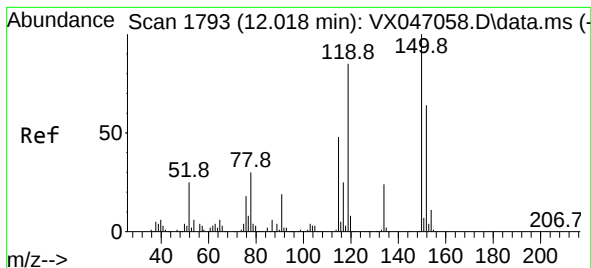
Tgt Ion: 95 Resp: 227628
Ion Ratio Lower Upper
95 100
174 72.0 0.0 144.6
176 70.3 0.0 139.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX047172.D
Acq: 29 Jul 2025 10:19

Tgt Ion: 117 Resp: 430801
Ion Ratio Lower Upper
117 100
82 55.5 45.4 68.2
119 31.1 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: VX047172.D

Acq: 29 Jul 2025 10:19

Instrument :

MSVOA_X

ClientSampleId :

VX0729MBL01

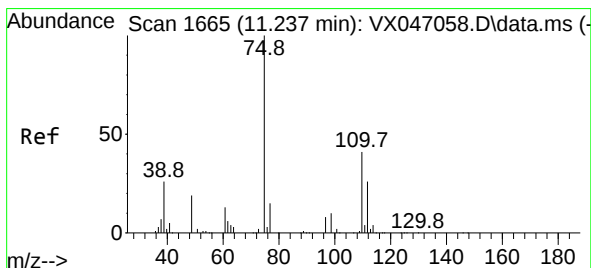
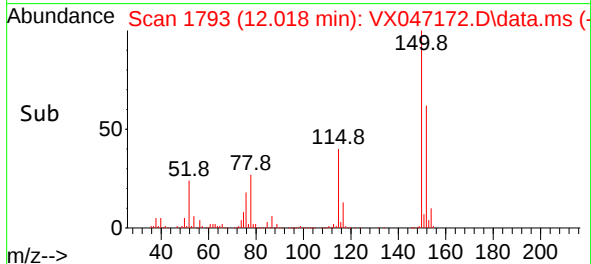
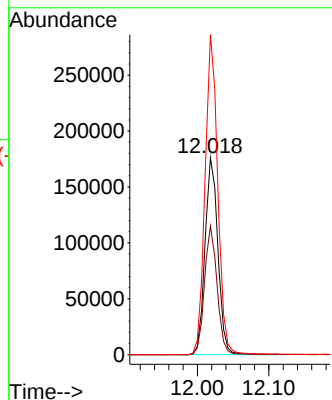
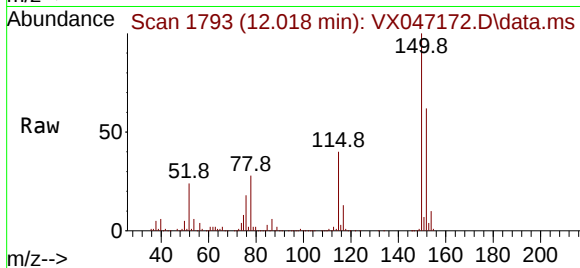
Tgt Ion:152 Resp: 221028

Ion Ratio Lower Upper

152 100

115 64.1 45.6 136.7

150 160.1 0.0 354.6



#76

1,2,3-Trichloropropane

Concen: 29.367 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.158 min

Lab File: VX047172.D

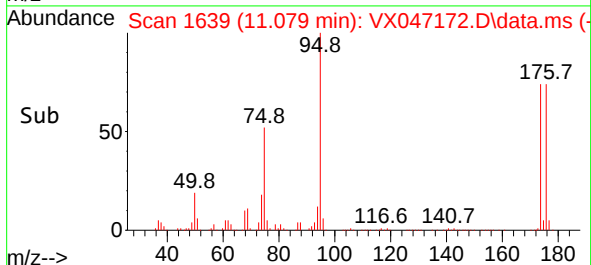
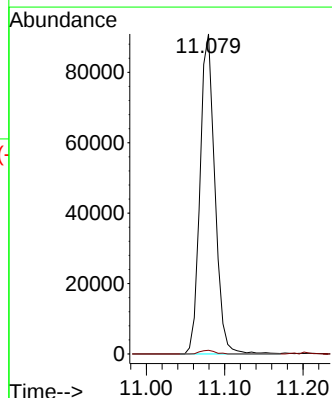
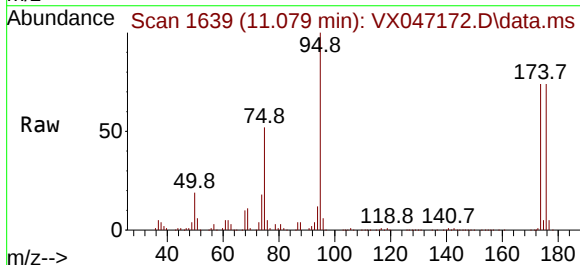
Acq: 29 Jul 2025 10:19

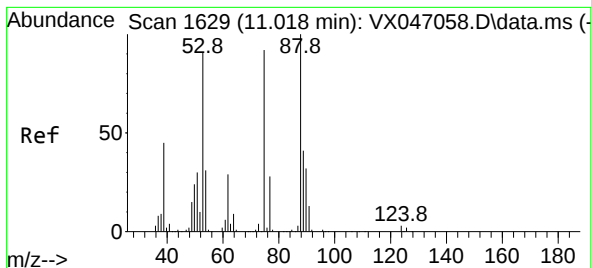
Tgt Ion: 75 Resp: 120144

Ion Ratio Lower Upper

75 100

77 1.1 21.6 65.0#

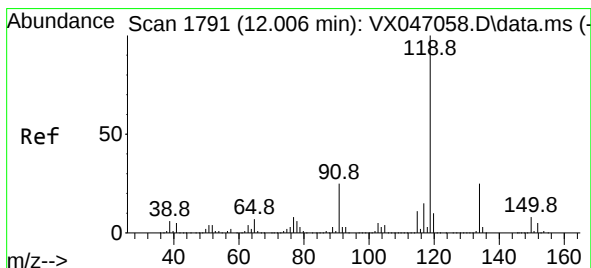
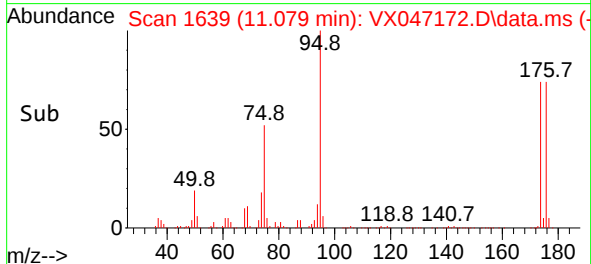
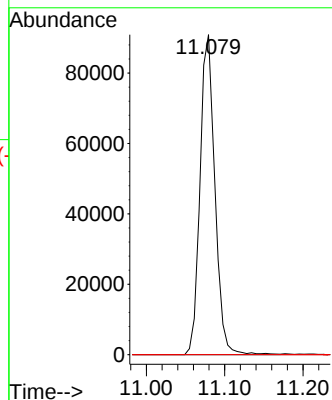
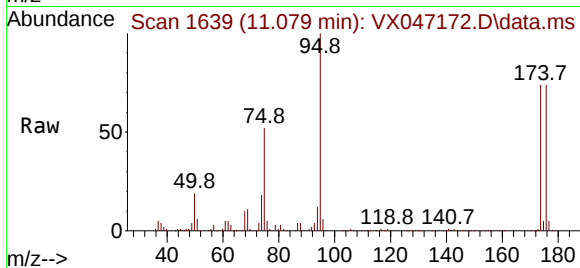




#81
trans-1,4-Dichloro-2-butene
Concen: 75.661 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX047172.D
Acq: 29 Jul 2025 10:19

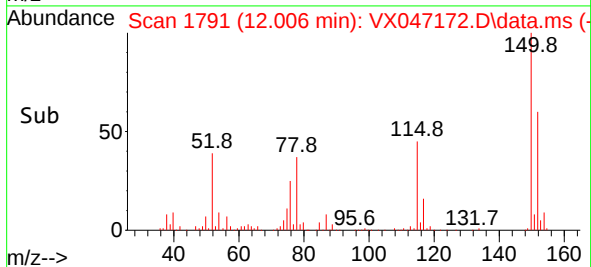
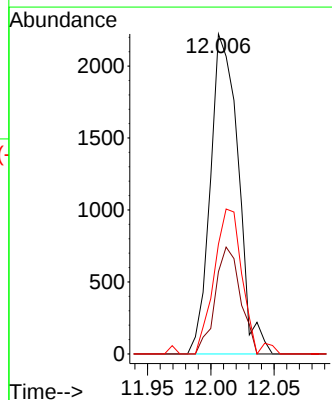
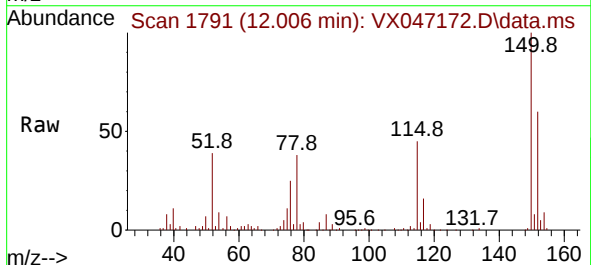
Instrument :
MSVOA_X
ClientSampleId :
VX0729MBL01

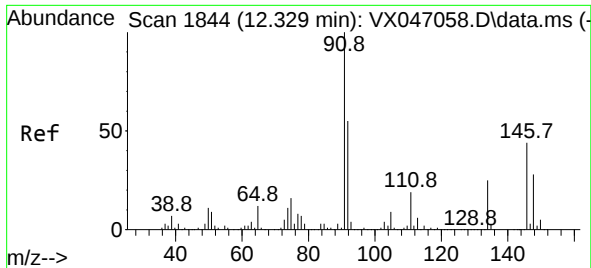
Tgt Ion: 75 Resp: 120144
Ion Ratio Lower Upper
75 100
53 0.0 84.2 126.4#
89 0.0 36.0 54.0#



#86
p-Isopropyltoluene
Concen: 0.227 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. 0.000 min
Lab File: VX047172.D
Acq: 29 Jul 2025 10:19

Tgt Ion: 119 Resp: 3399
Ion Ratio Lower Upper
119 100
134 30.2 12.8 38.4
91 45.9 12.4 37.4#

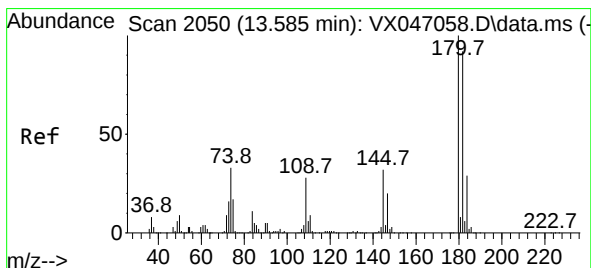
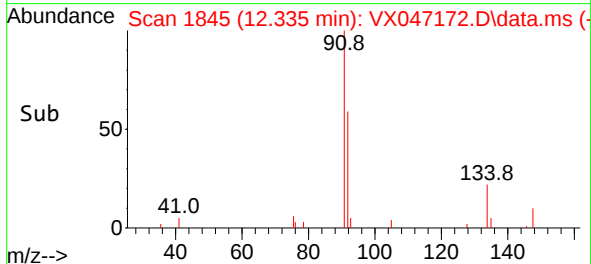
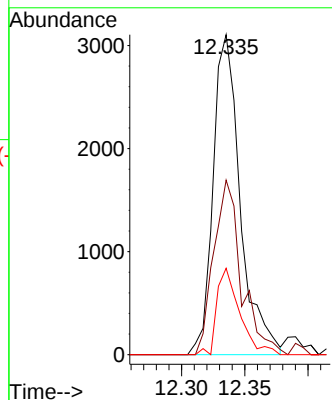
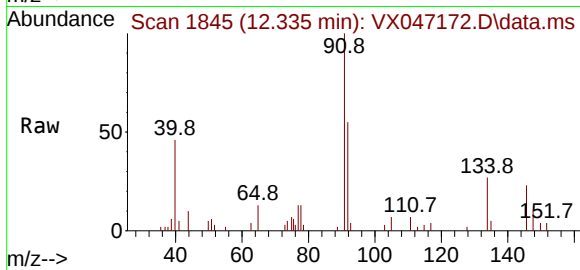




#89
n-Butylbenzene
Concen: 0.330 ug/l
RT: 12.335 min Scan# 1845
Delta R.T. 0.007 min
Lab File: VX047172.D
Acq: 29 Jul 2025 10:19

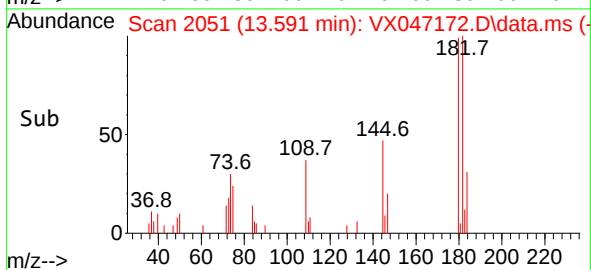
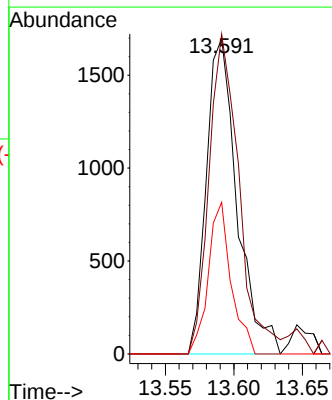
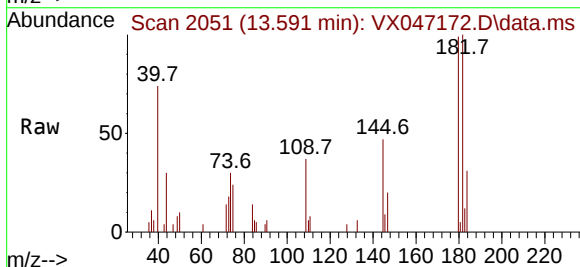
Instrument :
MSVOA_X
ClientSampleId :
VX0729MBL01

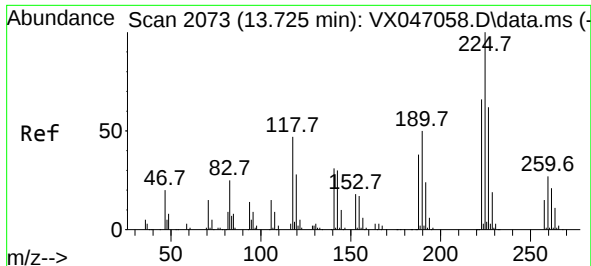
Tgt Ion: 91	Resp: 4635
Ion Ratio	Lower Upper
91	100
92	55.8 27.5 82.5
134	22.7 12.8 38.3



#93
1,2,4-Trichlorobenzene
Concen: 0.527 ug/l
RT: 13.591 min Scan# 2051
Delta R.T. 0.007 min
Lab File: VX047172.D
Acq: 29 Jul 2025 10:19

Tgt Ion: 180	Resp: 2645
Ion Ratio	Lower Upper
180	100
182	98.9 47.3 141.8
145	35.8 16.4 49.1

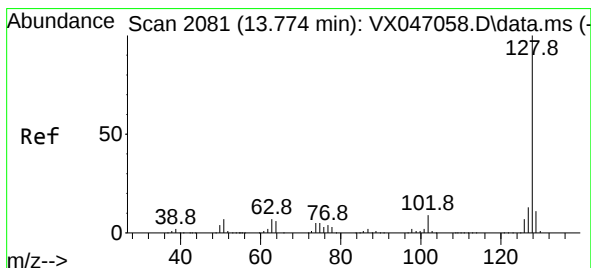
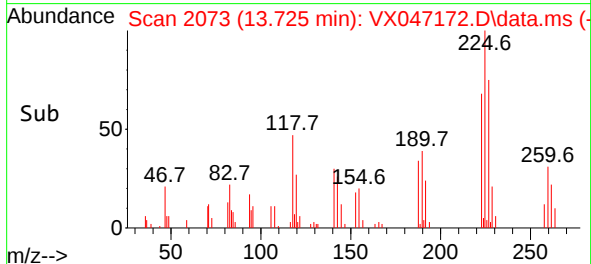
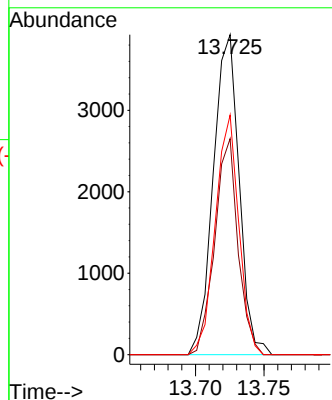
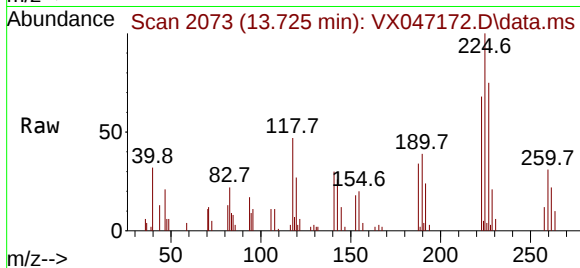




#94
Hexachlorobutadiene
Concen: 3.008 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. 0.000 min
Lab File: VX047172.D
Acq: 29 Jul 2025 10:19

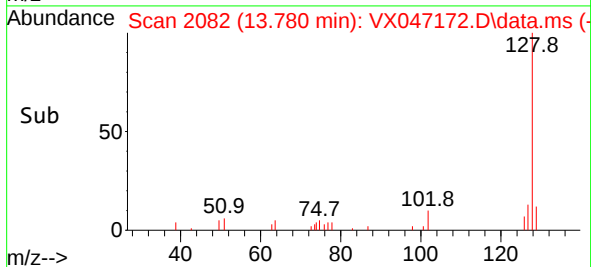
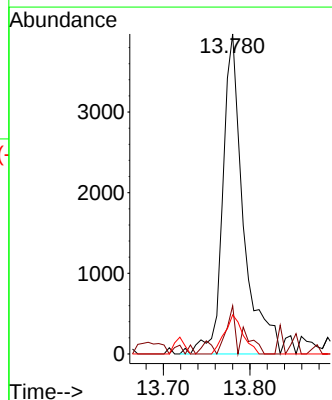
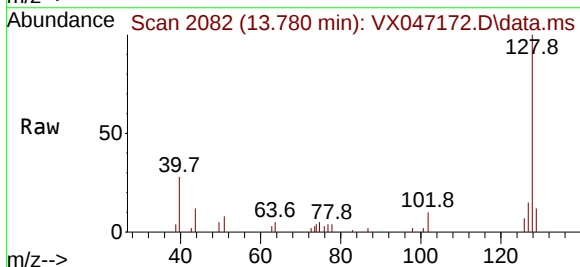
Instrument :
MSVOA_X
ClientSampleId :
VX0729MBL01

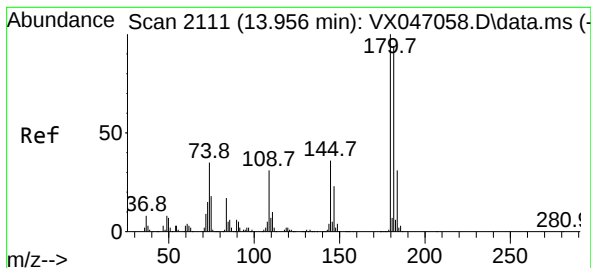
Tgt Ion:	225	Resp:	5134
Ion Ratio	Lower	Upper	
225	100		
223	60.9	31.6	95.0
227	68.1	32.9	98.6



#95
Naphthalene
Concen: 0.445 ug/l
RT: 13.780 min Scan# 2082
Delta R.T. 0.007 min
Lab File: VX047172.D
Acq: 29 Jul 2025 10:19

Tgt Ion:	128	Resp:	6549
Ion Ratio	Lower	Upper	
128	100		
127	10.4	10.1	15.1
129	10.9	8.6	13.0





#96

1,2,3-Trichlorobenzene

Concen: 0.550 ug/l

RT: 13.963 min Scan# 2111

Delta R.T. 0.007 min

Lab File: VX047172.D

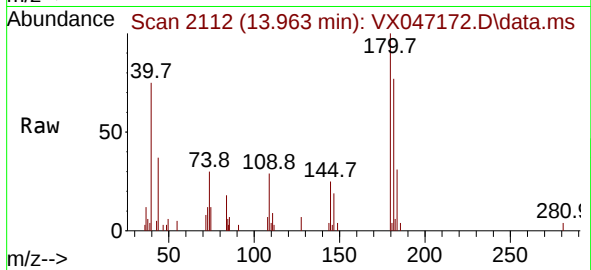
Acq: 29 Jul 2025 10:19

Instrument :

MSVOA_X

ClientSampleId :

VX0729MBL01



Tgt Ion:180 Resp: 2661

Ion Ratio Lower Upper

180 100

182 78.5 46.9 140.6

145 30.5 17.3 52.0

