

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082125\
 Data File : VX047479.D
 Acq On : 21 Aug 2025 18:21
 Operator : JC/MD
 Sample : Q2903-07
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-12B-081925

Quant Time: Aug 22 03:52:59 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
 Quant Title : SW846 8260
 QLast Update : Mon Aug 18 04:18:28 2025
 Response via : Initial Calibration

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

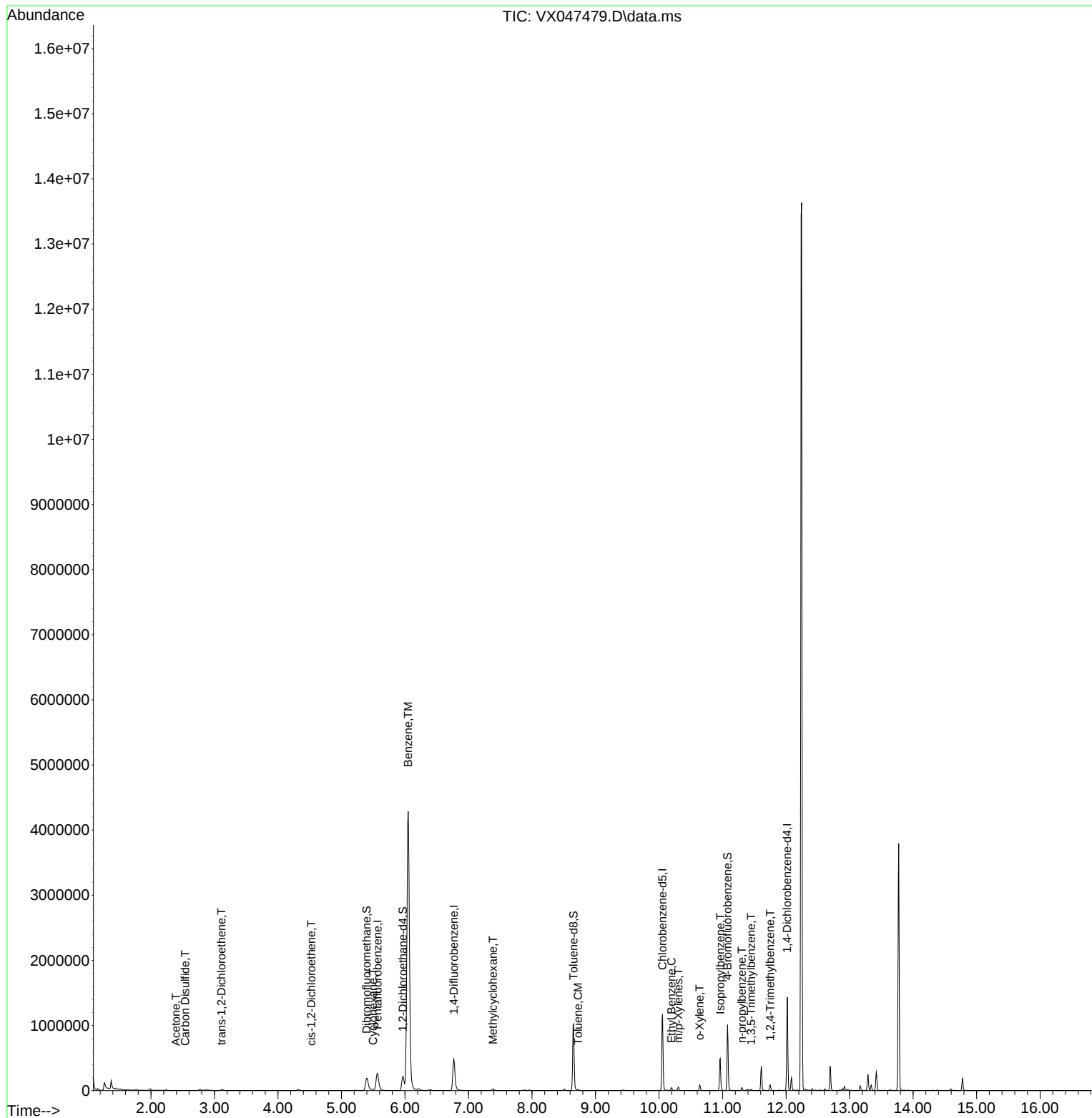
Internal Standards						
1) Pentafluorobenzene	5.568	168	263943	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	512897	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	520562	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	276935	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	225525	61.052	ug/l	0.00
Spiked Amount	50.000	Range 78 - 117	Recovery	= 122.100%#		
35) Dibromofluoromethane	5.397	113	184387	55.392	ug/l	0.00
Spiked Amount	50.000	Range 75 - 124	Recovery	= 110.780%		
50) Toluene-d8	8.653	98	625619	52.583	ug/l	0.00
Spiked Amount	50.000	Range 92 - 112	Recovery	= 105.160%		
62) 4-Bromofluorobenzene	11.079	95	270114	61.522	ug/l	0.00
Spiked Amount	50.000	Range 83 - 123	Recovery	= 123.040%#		
Target Compounds						Qvalue
16) Acetone	2.392	43	6723	4.842	ug/l #	83
17) Carbon Disulfide	2.538	76	2973	0.296	ug/l #	75
21) trans-1,2-Dichloroethene	3.111	96	2679	0.760	ug/l #	69
27) cis-1,2-Dichloroethene	4.526	96	1412	0.344	ug/l #	59
31) Cyclohexane	5.495	56	11604	1.952	ug/l	95
39) Methylcyclohexane	7.385	83	11467	1.750	ug/l	95
40) Benzene	6.050	78	5459575	347.120	ug/l	100
52) Toluene	8.726	92	6328	0.651	ug/l	100
67) Ethyl Benzene	10.195	91	25538	1.199	ug/l	100
68) m/p-Xylenes	10.305	106	12537	1.579	ug/l	97
69) o-Xylene	10.640	106	18884	2.472	ug/l	100
73) Isopropylbenzene	10.963	105	264426	12.202	ug/l	99
78) n-propylbenzene	11.305	91	28208	1.090	ug/l	99
80) 1,3,5-Trimethylbenzene	11.451	105	9099	0.510	ug/l	100
84) 1,2,4-Trimethylbenzene	11.750	105	36087	2.024	ug/l	98

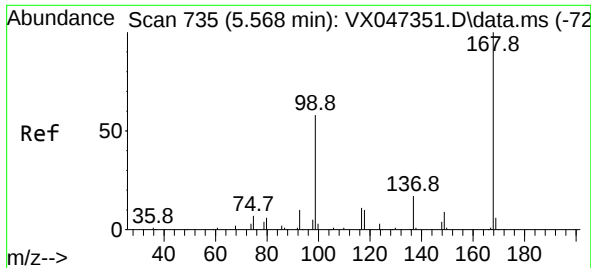
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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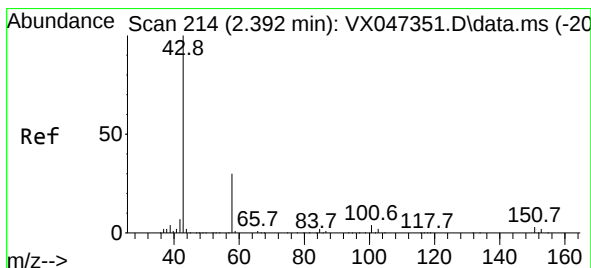
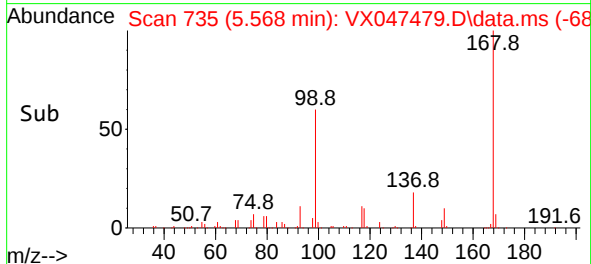
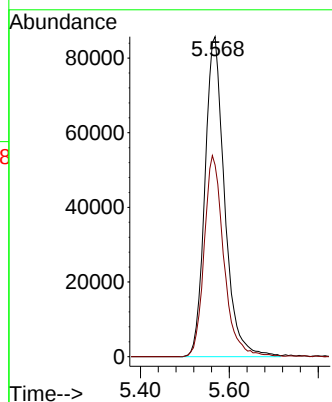
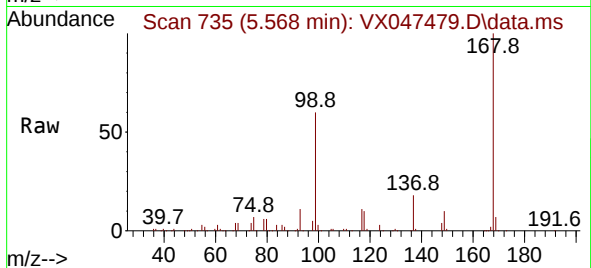




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.568 min Scan# 71
Delta R.T. 0.000 min
Lab File: VX047479.D
Acq: 21 Aug 2025 18:21

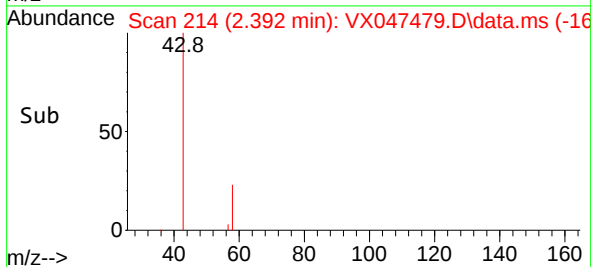
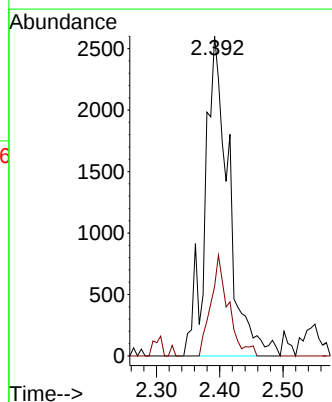
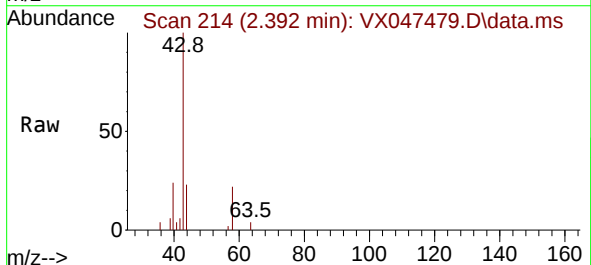
Instrument :
MSVOA_X
ClientSampleId :
MW-12B-081925

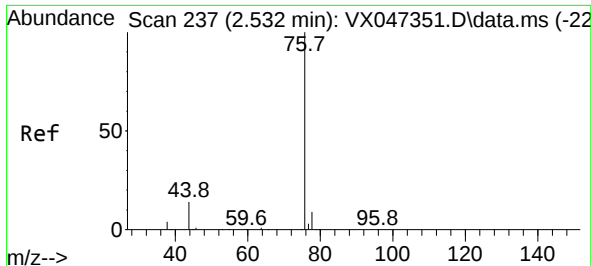
Tgt Ion:168 Resp: 263943
Ion Ratio Lower Upper
168 100
99 59.9 47.9 71.9



#16
Acetone
Concen: 4.842 ug/l
RT: 2.392 min Scan# 214
Delta R.T. 0.000 min
Lab File: VX047479.D
Acq: 21 Aug 2025 18:21

Tgt Ion: 43 Resp: 6723
Ion Ratio Lower Upper
43 100
58 21.7 24.8 37.2#





#17

Carbon Disulfide

Concen: 0.296 ug/l

RT: 2.538 min Scan# 21

Delta R.T. 0.006 min

Lab File: VX047479.D

Acq: 21 Aug 2025 18:21

Instrument :

MSVOA_X

ClientSampleId :

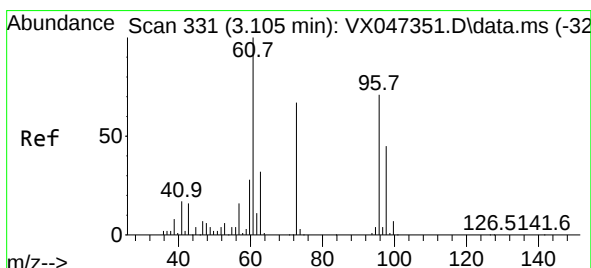
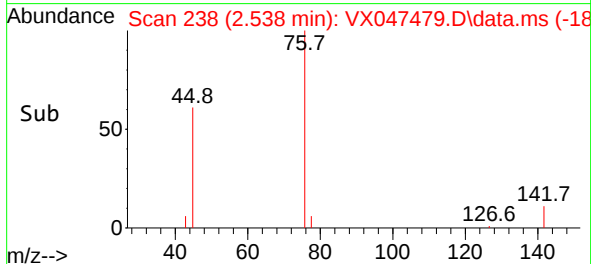
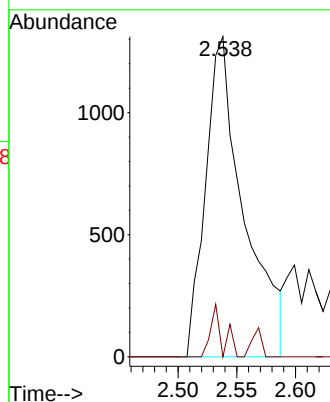
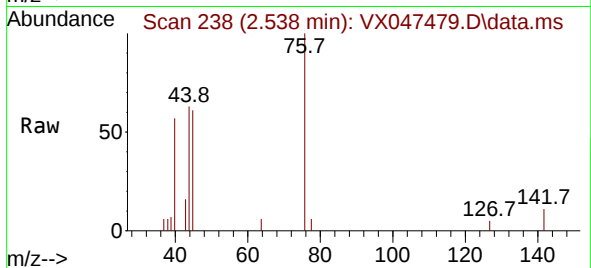
MW-12B-081925

Tgt Ion: 76 Resp: 2973

Ion Ratio Lower Upper

76 100

78 0.0 7.2 10.8#



#21

trans-1,2-Dichloroethene

Concen: 0.760 ug/l

RT: 3.111 min Scan# 332

Delta R.T. 0.006 min

Lab File: VX047479.D

Acq: 21 Aug 2025 18:21

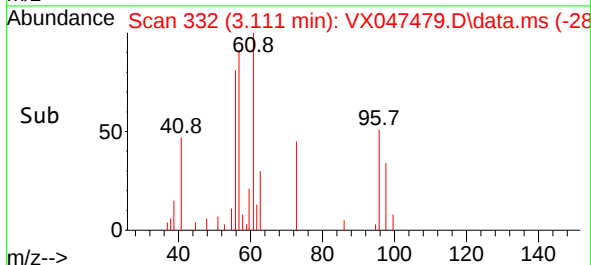
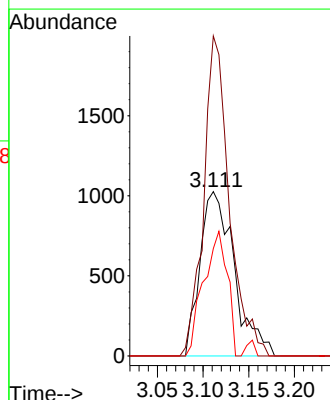
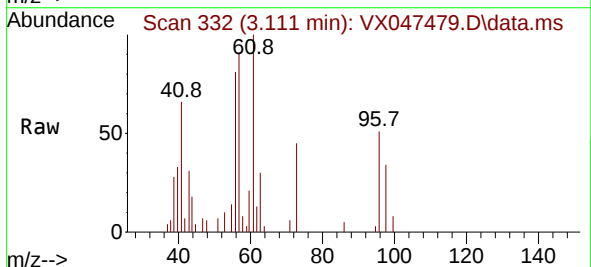
Tgt Ion: 96 Resp: 2679

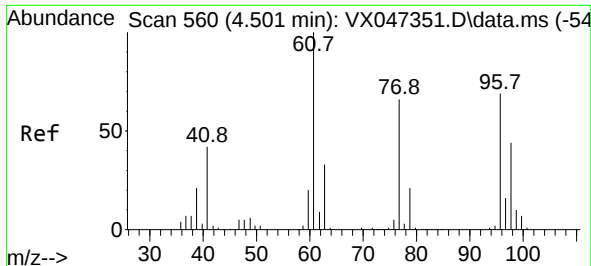
Ion Ratio Lower Upper

96 100

61 194.7 112.6 169.0#

98 65.3 50.9 76.3





#27

cis-1,2-Dichloroethene

Concen: 0.344 ug/l

RT: 4.526 min Scan# 5

Delta R.T. 0.025 min

Lab File: VX047479.D

Acq: 21 Aug 2025 18:21

Instrument :

MSVOA_X

ClientSampleId :

MW-12B-081925

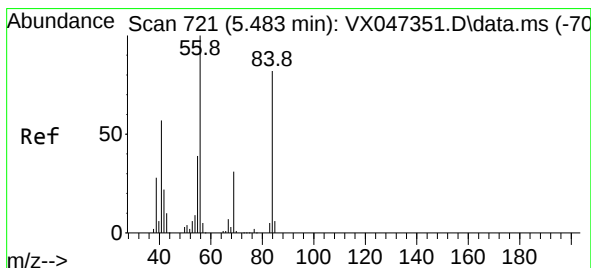
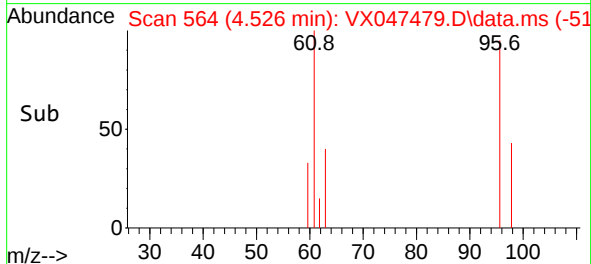
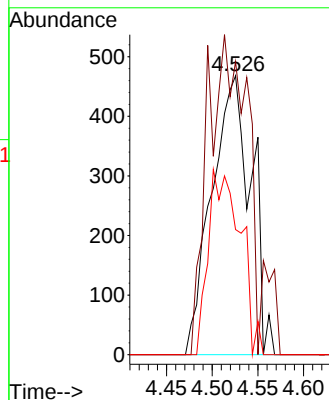
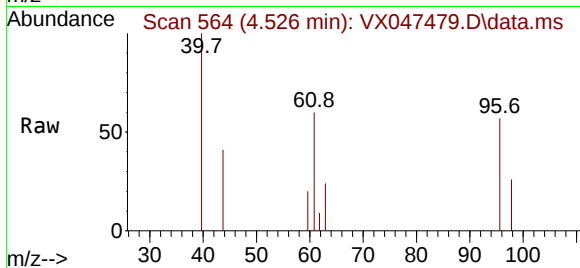
Tgt Ion: 96 Resp: 1412

Ion Ratio Lower Upper

96 100

61 120.0 0.0 296.6

98 0.0 0.0 130.4



#31

Cyclohexane

Concen: 1.952 ug/l

RT: 5.495 min Scan# 723

Delta R.T. 0.012 min

Lab File: VX047479.D

Acq: 21 Aug 2025 18:21

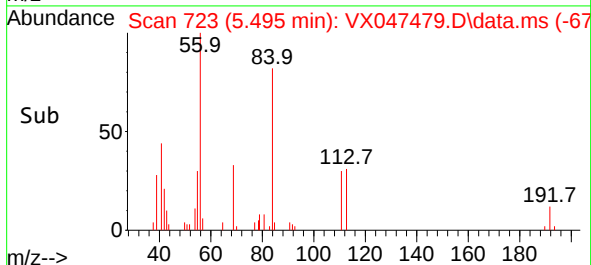
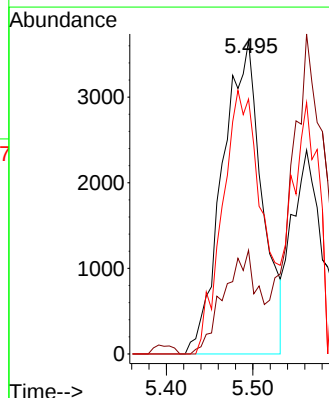
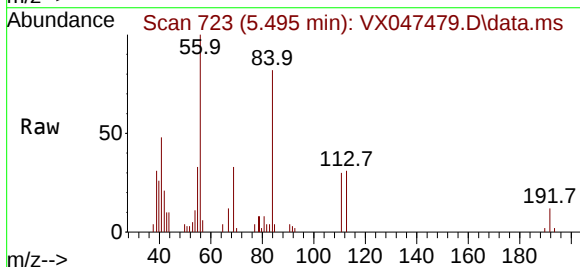
Tgt Ion: 56 Resp: 11604

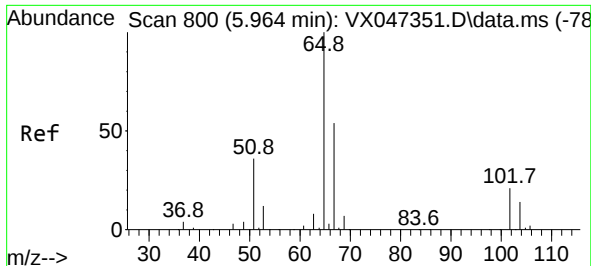
Ion Ratio Lower Upper

56 100

69 33.2 24.3 36.5

84 85.5 65.3 97.9

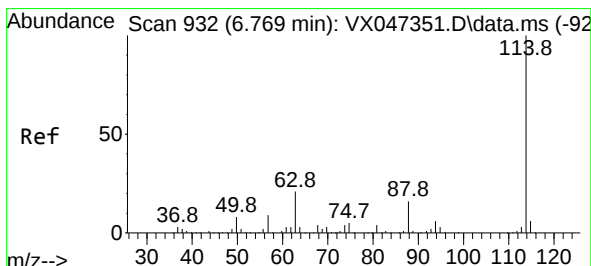
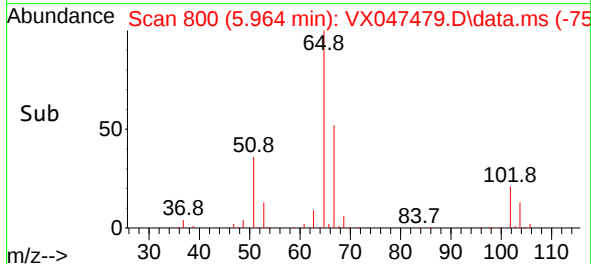
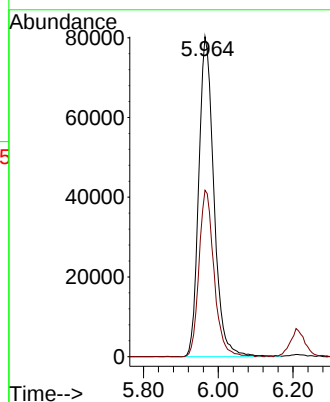
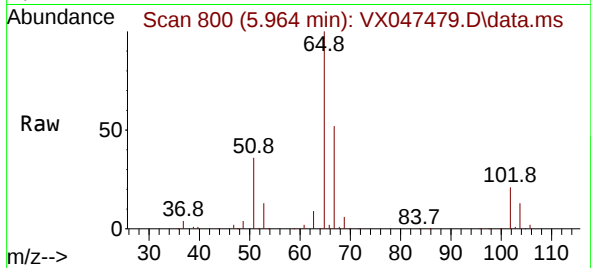




#33
 1,2-Dichloroethane-d4
 Concen: 61.052 ug/l
 RT: 5.964 min Scan# 800
 Delta R.T. 0.000 min
 Lab File: VX047479.D
 Acq: 21 Aug 2025 18:21

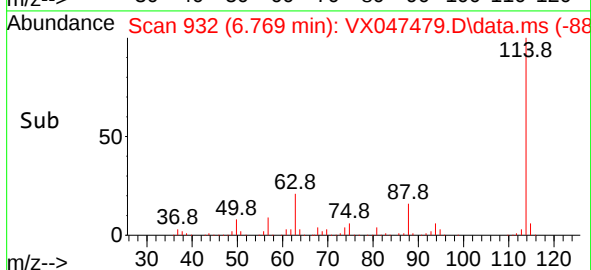
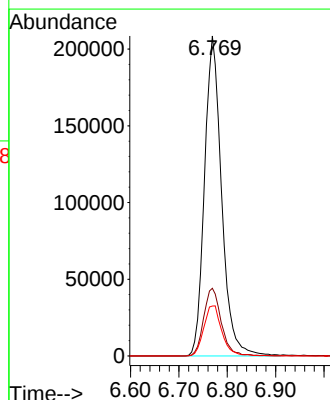
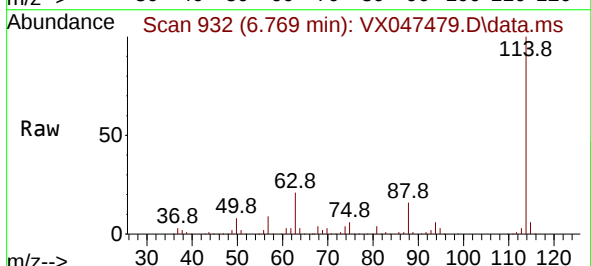
Instrument :
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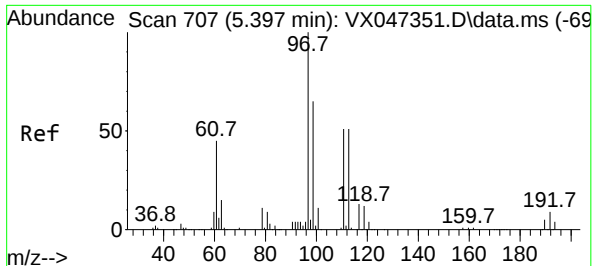
Tgt Ion: 65 Resp: 225525
 Ion Ratio Lower Upper
 65 100
 67 51.7 0.0 106.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.769 min Scan# 932
 Delta R.T. 0.000 min
 Lab File: VX047479.D
 Acq: 21 Aug 2025 18:21

Tgt Ion: 114 Resp: 512897
 Ion Ratio Lower Upper
 114 100
 63 21.1 0.0 42.4
 88 15.6 0.0 33.0

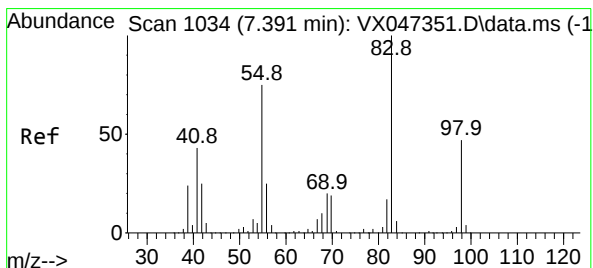
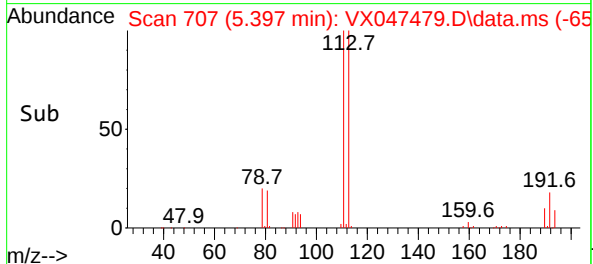
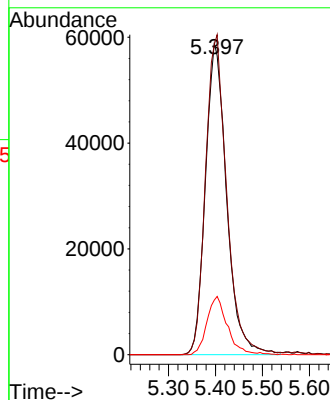
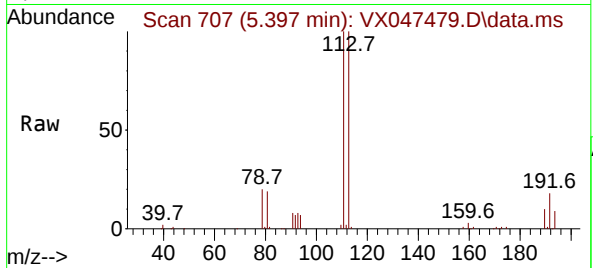




#35
Dibromofluoromethane
Concen: 55.392 ug/l
RT: 5.397 min Scan# 707
Delta R.T. 0.000 min
Lab File: VX047479.D
Acq: 21 Aug 2025 18:21

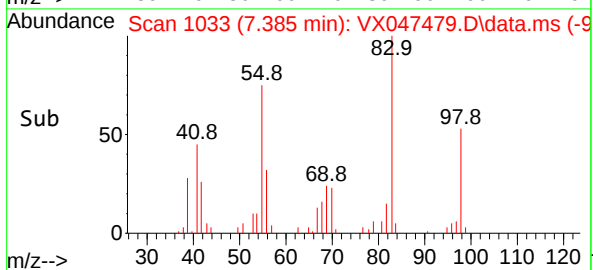
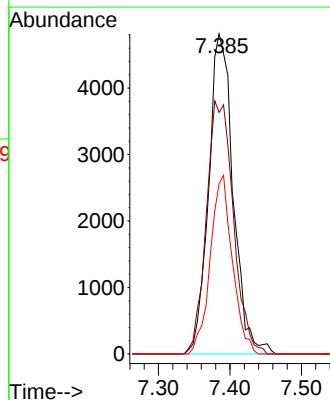
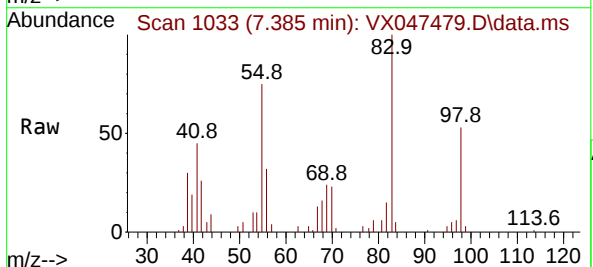
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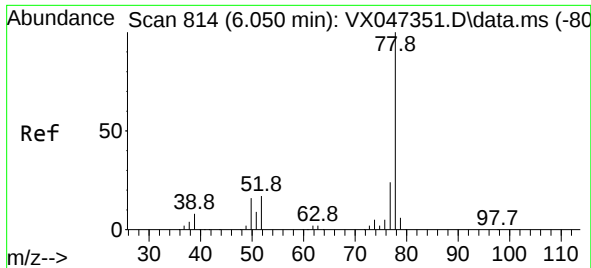
Tgt Ion:113 Resp: 184387
Ion Ratio Lower Upper
113 100
111 102.4 81.4 122.2
192 18.1 14.1 21.1



#39
Methylcyclohexane
Concen: 1.750 ug/l
RT: 7.385 min Scan# 1033
Delta R.T. -0.006 min
Lab File: VX047479.D
Acq: 21 Aug 2025 18:21

Tgt Ion: 83 Resp: 11467
Ion Ratio Lower Upper
83 100
55 71.6 60.0 90.0
98 50.5 37.2 55.8

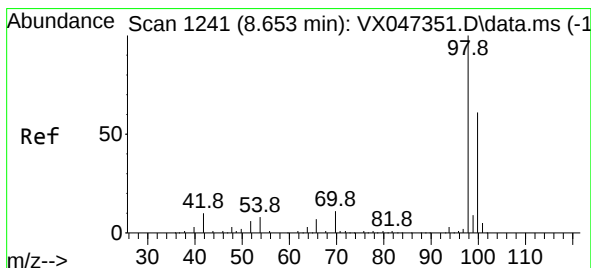
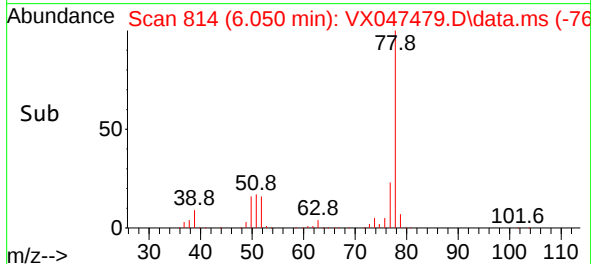
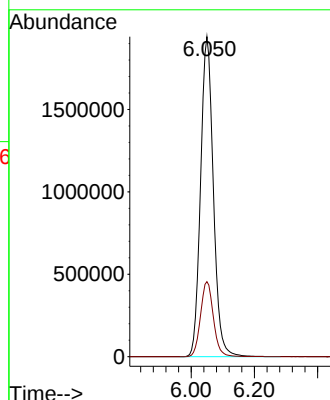
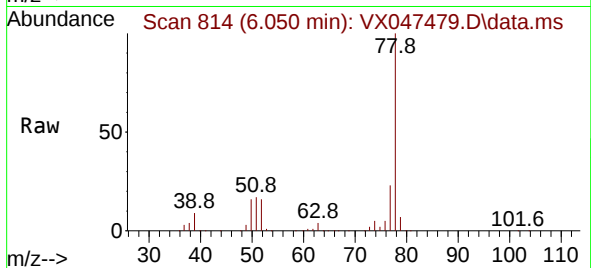




#40
Benzene
Concen: 347.120 ug/l
RT: 6.050 min Scan# 814
Delta R.T. 0.000 min
Lab File: VX047479.D
Acq: 21 Aug 2025 18:21

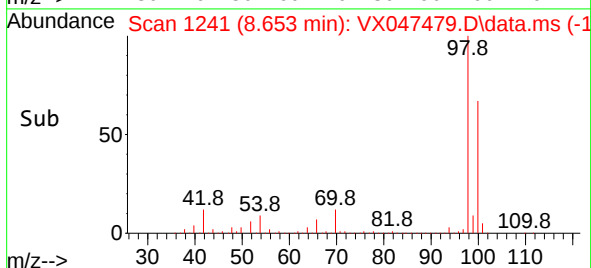
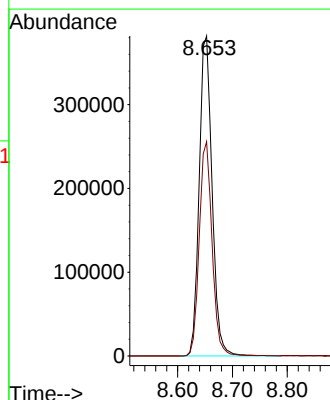
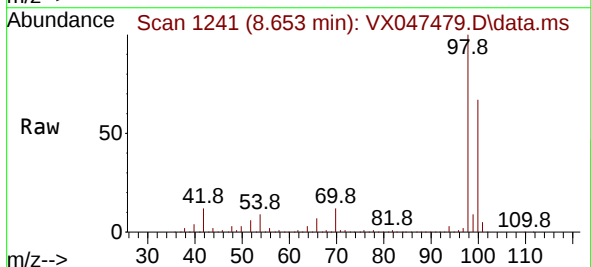
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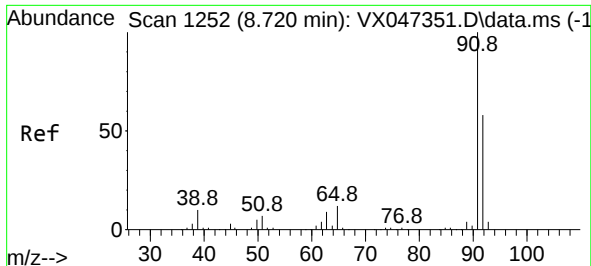
Tgt Ion: 78 Resp: 5459575
Ion Ratio Lower Upper
78 100
77 23.5 19.0 28.4



#50
Toluene-d8
Concen: 52.583 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. 0.000 min
Lab File: VX047479.D
Acq: 21 Aug 2025 18:21

Tgt Ion: 98 Resp: 625619
Ion Ratio Lower Upper
98 100
100 66.7 53.9 80.9

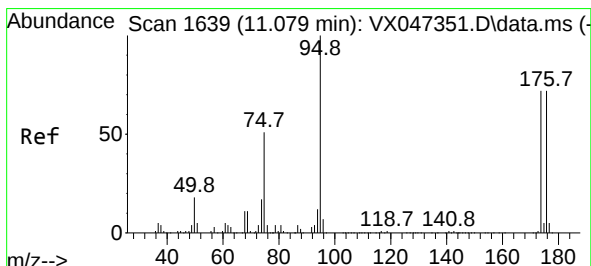
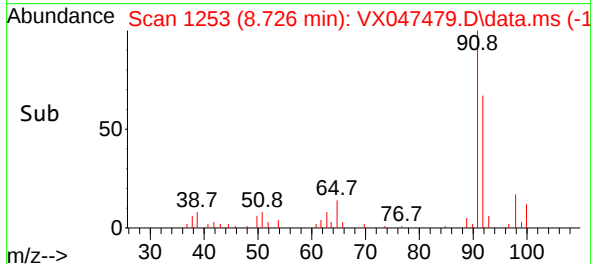
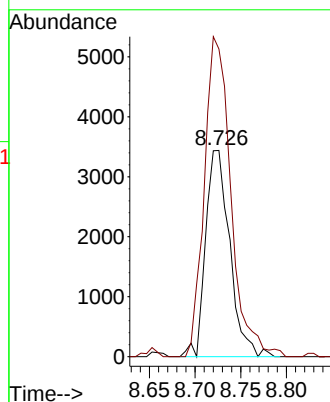
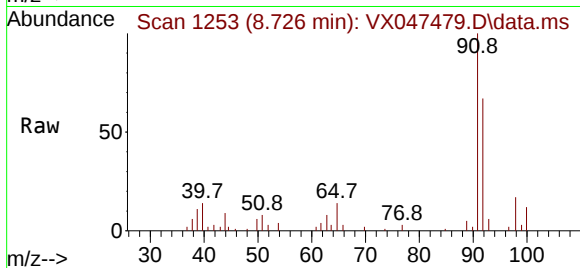




#52
Toluene
Concen: 0.651 ug/l
RT: 8.726 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX047479.D
Acq: 21 Aug 2025 18:21

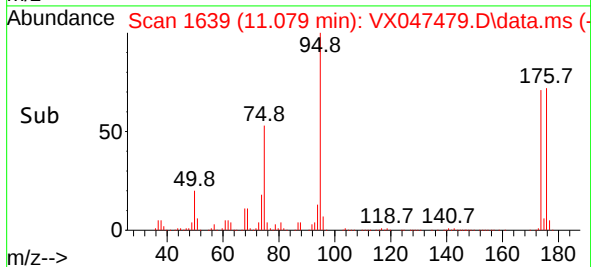
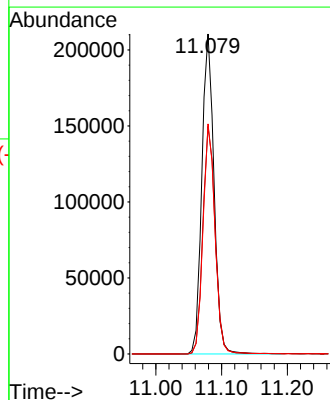
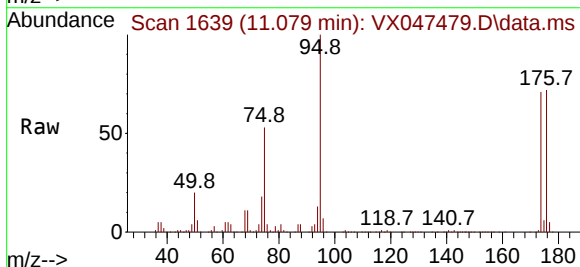
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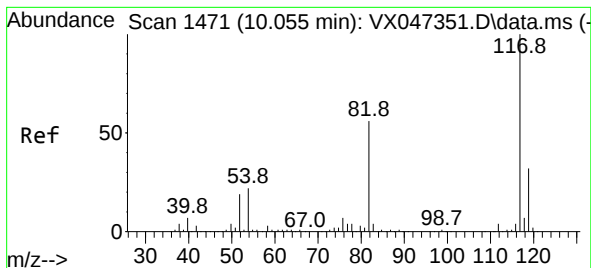
Tgt Ion: 92 Resp: 6328
Ion Ratio Lower Upper
92 100
91 170.8 136.3 204.5



#62
4-Bromofluorobenzene
Concen: 61.522 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX047479.D
Acq: 21 Aug 2025 18:21

Tgt Ion: 95 Resp: 270114
Ion Ratio Lower Upper
95 100
174 71.9 0.0 148.0
176 71.1 0.0 145.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.055 min Scan# 1471

Delta R.T. 0.000 min

Lab File: VX047479.D

Acq: 21 Aug 2025 18:21

Instrument :

MSVOA_X

ClientSampleId :

MW-12B-081925

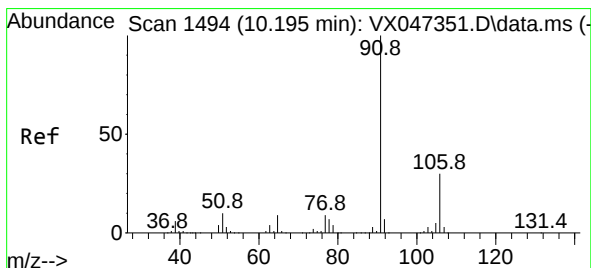
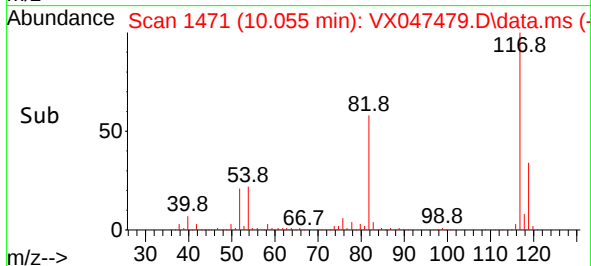
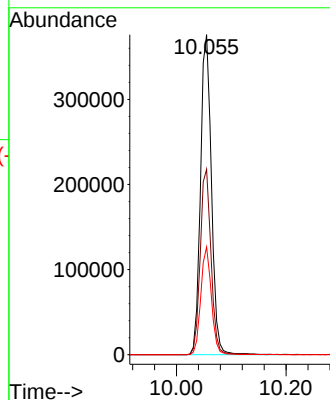
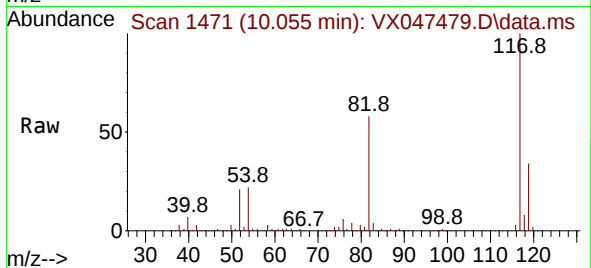
Tgt Ion:117 Resp: 520562

Ion Ratio Lower Upper

117 100

82 57.9 45.0 67.4

119 33.6 25.8 38.8



#67

Ethyl Benzene

Concen: 1.199 ug/l

RT: 10.195 min Scan# 1494

Delta R.T. 0.000 min

Lab File: VX047479.D

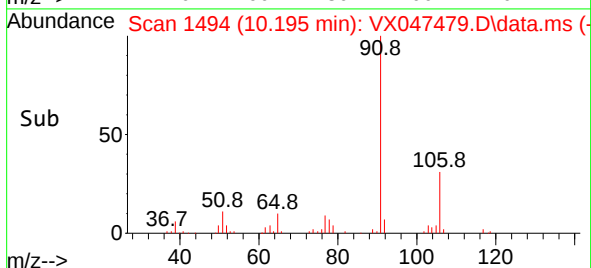
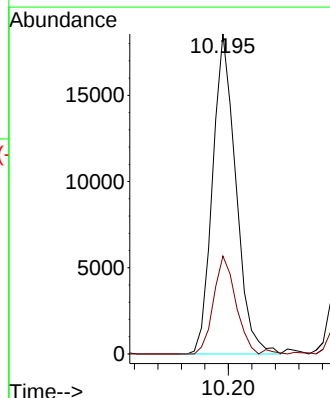
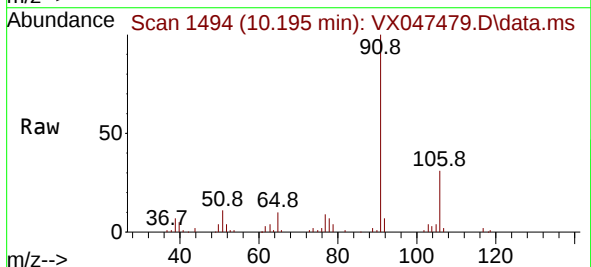
Acq: 21 Aug 2025 18:21

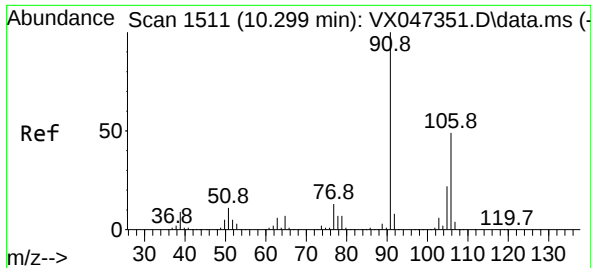
Tgt Ion: 91 Resp: 25538

Ion Ratio Lower Upper

91 100

106 30.6 24.4 36.6

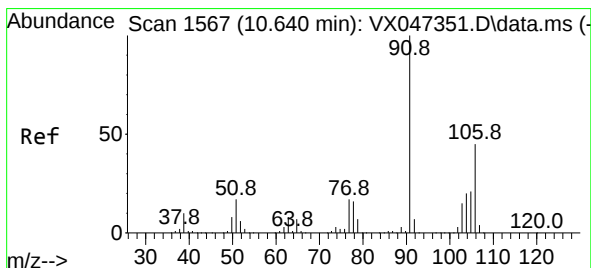
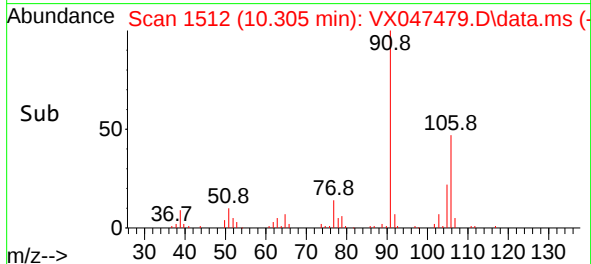
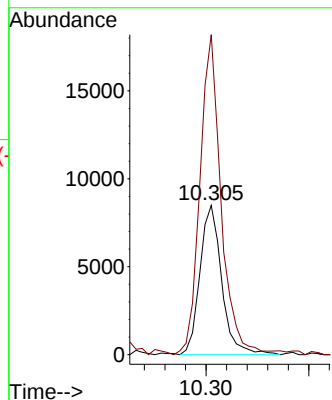
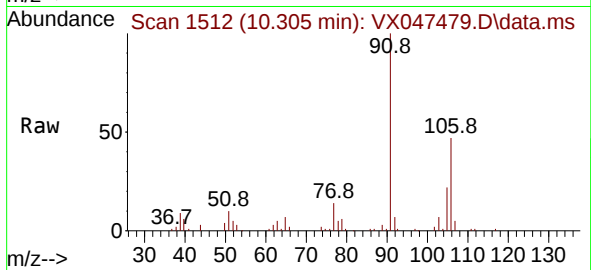




#68
m/p-Xylenes
Concen: 1.579 ug/l
RT: 10.305 min Scan# 1511
Delta R.T. 0.006 min
Lab File: VX047479.D
Acq: 21 Aug 2025 18:21

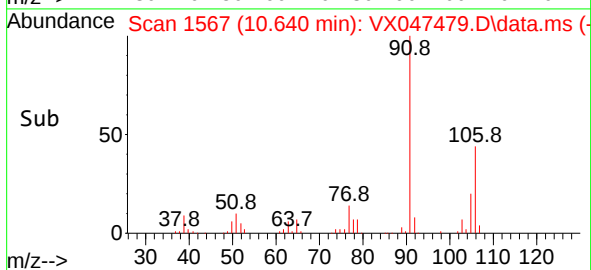
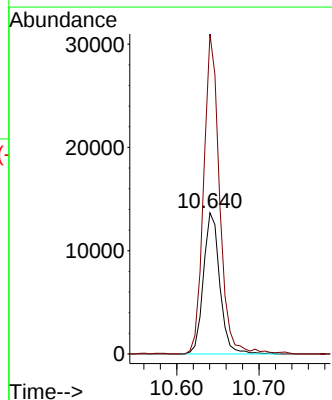
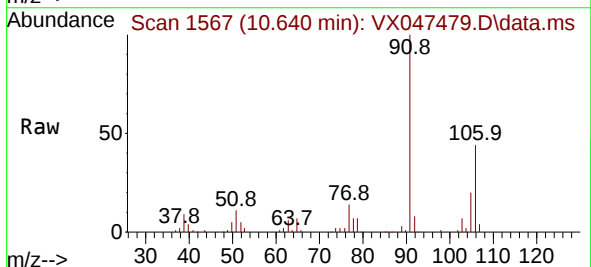
Instrument :
MSVOA_X
ClientSampleId :
MW-12B-081925

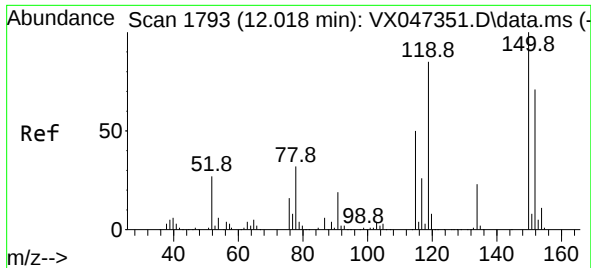
Tgt Ion:106 Resp: 12537
Ion Ratio Lower Upper
106 100
91 210.2 164.7 247.1



#69
o-Xylene
Concen: 2.472 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. 0.000 min
Lab File: VX047479.D
Acq: 21 Aug 2025 18:21

Tgt Ion:106 Resp: 18884
Ion Ratio Lower Upper
106 100
91 220.6 110.6 331.8

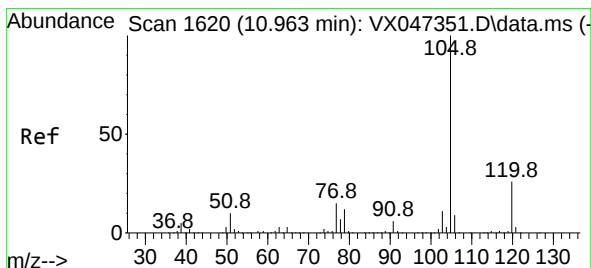
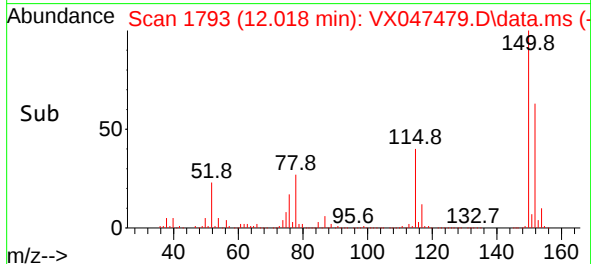
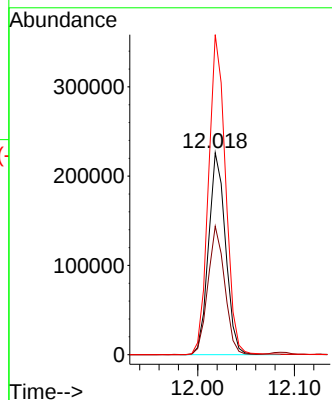
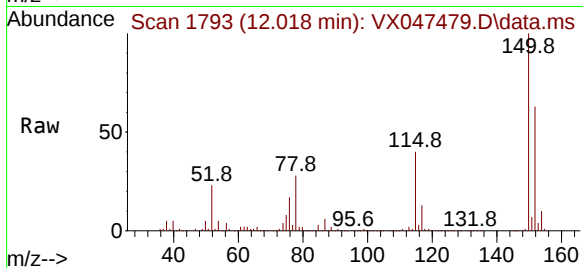




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. 0.000 min
Lab File: VX047479.D
Acq: 21 Aug 2025 18:21

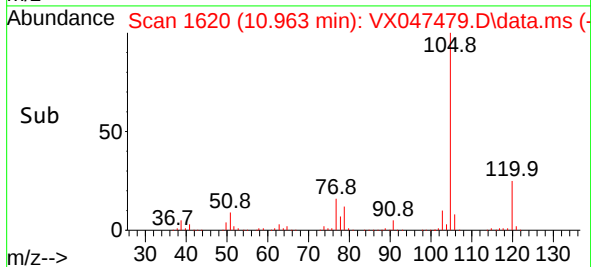
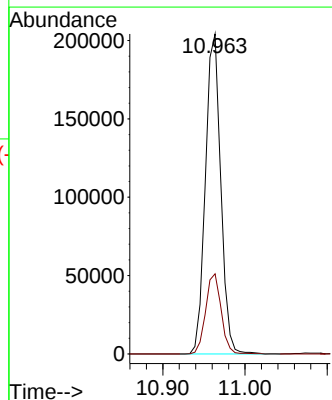
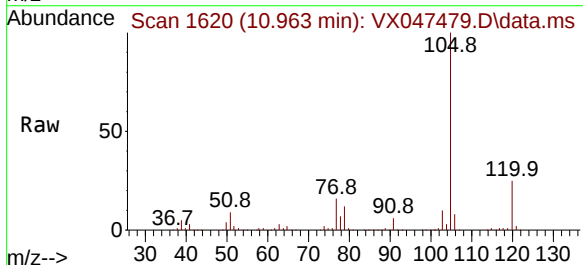
Instrument :
MSVOA_X
ClientSampleId :
MW-12B-081925

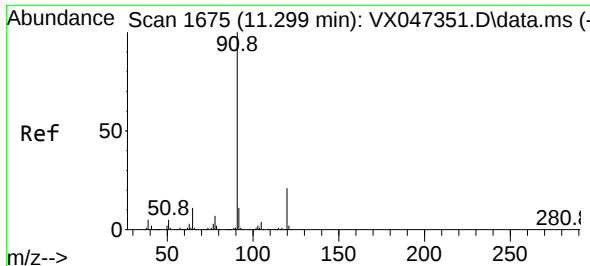
Tgt Ion:152 Resp: 276935
Ion Ratio Lower Upper
152 100
115 63.1 44.6 133.8
150 158.7 0.0 349.8



#73
Isopropylbenzene
Concen: 12.202 ug/l
RT: 10.963 min Scan# 1620
Delta R.T. 0.000 min
Lab File: VX047479.D
Acq: 21 Aug 2025 18:21

Tgt Ion:105 Resp: 264426
Ion Ratio Lower Upper
105 100
120 25.3 12.9 38.6

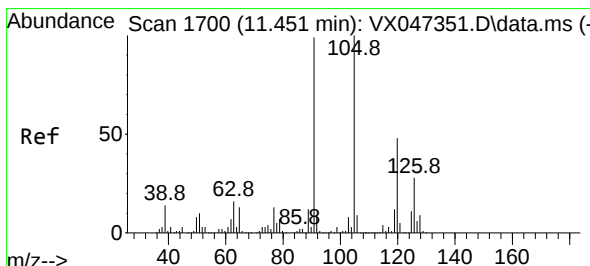
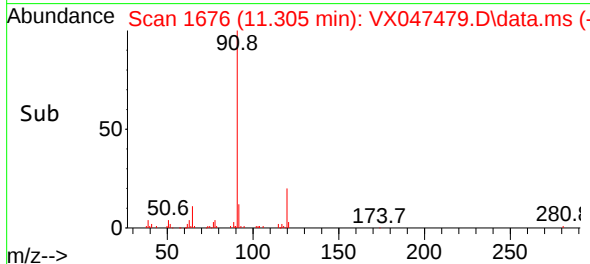
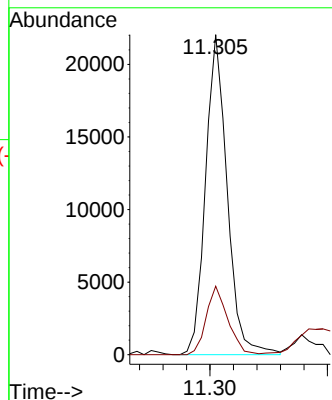
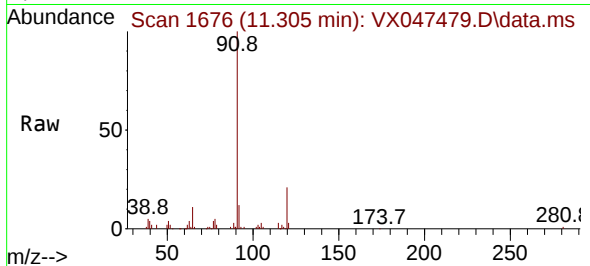




#78
n-propylbenzene
Concen: 1.090 ug/l
RT: 11.305 min Scan# 1675
Delta R.T. 0.006 min
Lab File: VX047479.D
Acq: 21 Aug 2025 18:21

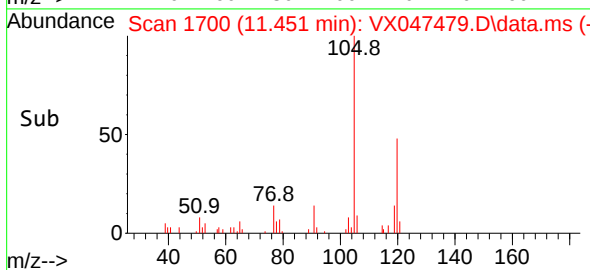
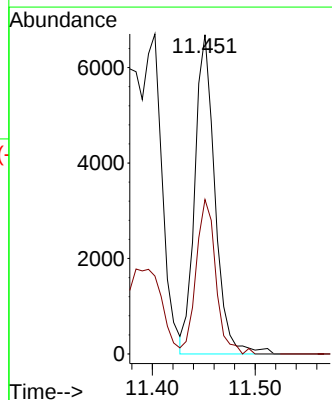
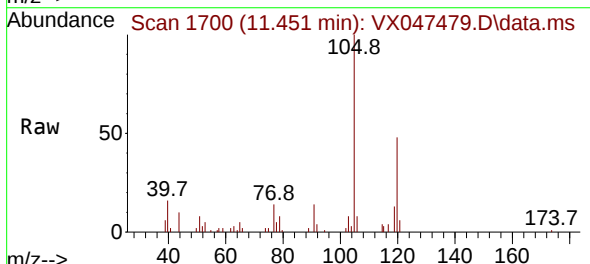
Instrument :
MSVOA_X
ClientSampleId :
MW-12B-081925

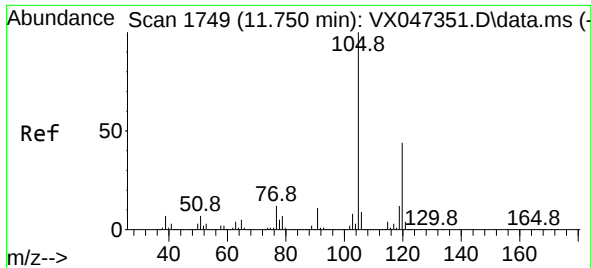
Tgt Ion: 91 Resp: 28208
Ion Ratio Lower Upper
91 100
120 21.3 11.0 33.0



#80
1,3,5-Trimethylbenzene
Concen: 0.510 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX047479.D
Acq: 21 Aug 2025 18:21

Tgt Ion: 105 Resp: 9099
Ion Ratio Lower Upper
105 100
120 47.5 23.9 71.7





#84
 1,2,4-Trimethylbenzene
 Concen: 2.024 ug/l
 RT: 11.750 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: VX047479.D
 Acq: 21 Aug 2025 18:21

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-12B-081925

Tgt Ion:105 Resp: 36087
 Ion Ratio Lower Upper
 105 100
 120 44.8 21.9 65.7

