

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082125\
 Data File : VX047473.D
 Acq On : 21 Aug 2025 16:14
 Operator : JC/MD
 Sample : Q2903-02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-1C-081925

Quant Time: Aug 22 03:50:11 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)

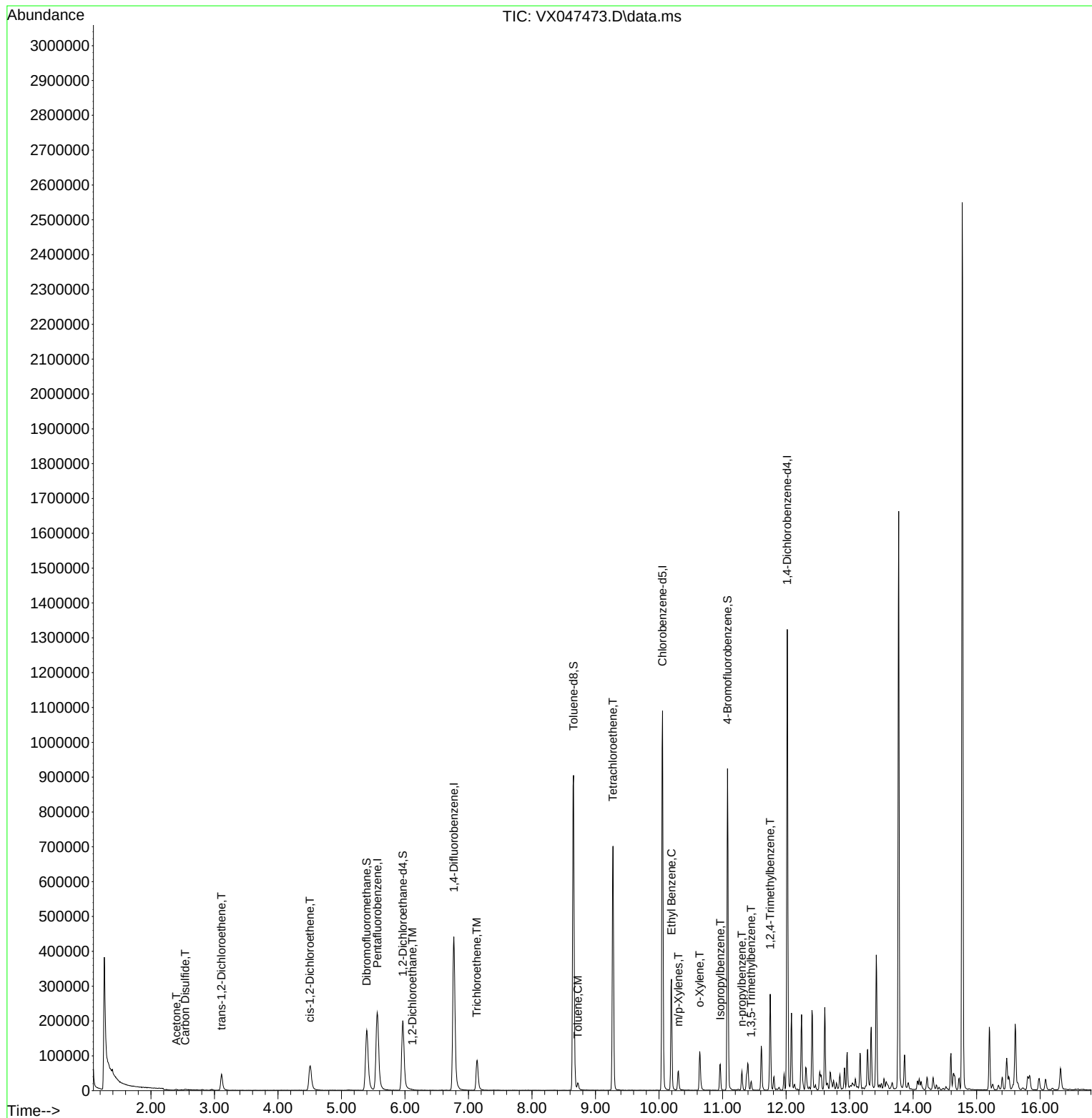
Internal Standards						
1) Pentafluorobenzene	5.562	168	227781	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	475332	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	479784	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	255083	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	207314	65.032	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 130.060%#	
35) Dibromofluoromethane	5.397	113	161169	52.244	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 104.480%	
50) Toluene-d8	8.653	98	558348	50.637	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 101.280%	
62) 4-Bromofluorobenzene	11.079	95	242409	59.575	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 119.160%	
Target Compounds						
					Qvalue	
16) Acetone	2.398	43	2858	2.385	ug/l	93
17) Carbon Disulfide	2.538	76	4704	0.544	ug/l #	92
21) trans-1,2-Dichloroethene	3.111	96	21050	6.915	ug/l	91
27) cis-1,2-Dichloroethene	4.501	96	49245	13.890	ug/l	91
42) 1,2-Dichloroethane	6.117	62	1864	0.361	ug/l	84
44) Trichloroethene	7.129	130	36258	9.715	ug/l	95
52) Toluene	8.720	92	7300	0.810	ug/l	90
64) Tetrachloroethene	9.275	164	128145	36.926	ug/l	97
67) Ethyl Benzene	10.195	91	189272	9.645	ug/l	100
68) m/p-Xylenes	10.305	106	13623	1.862	ug/l	99
69) o-Xylene	10.640	106	24358	3.459	ug/l	99
73) Isopropylbenzene	10.963	105	39594	1.984	ug/l	97
78) n-propylbenzene	11.305	91	33871	1.421	ug/l	99
80) 1,3,5-Trimethylbenzene	11.451	105	11697	0.712	ug/l	95
84) 1,2,4-Trimethylbenzene	11.750	105	116738	7.108	ug/l	98

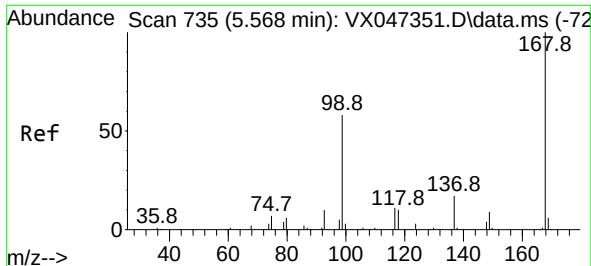
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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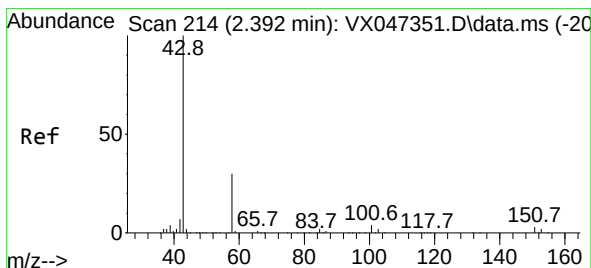
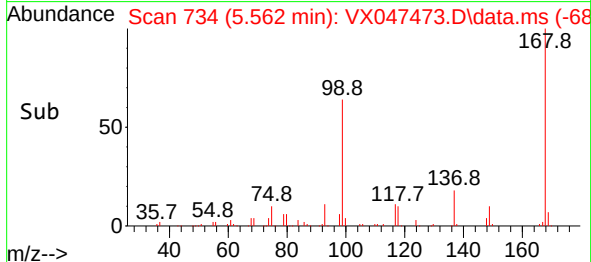
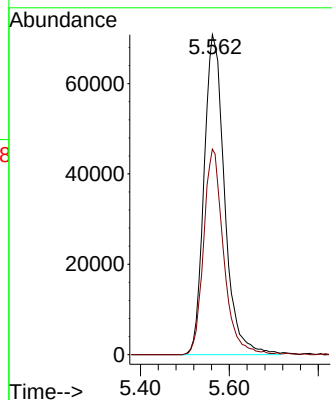
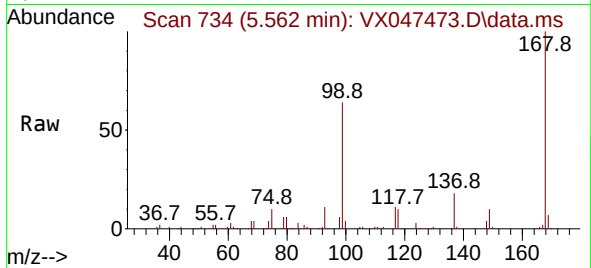




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX047473.D
Acq: 21 Aug 2025 16:14

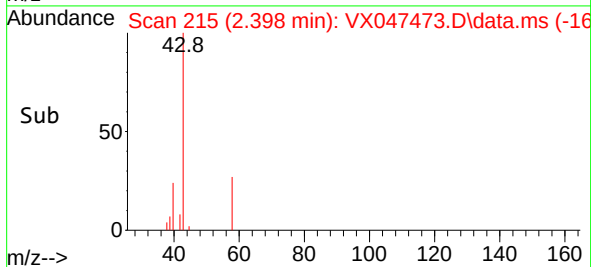
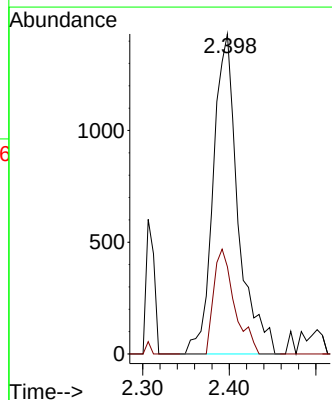
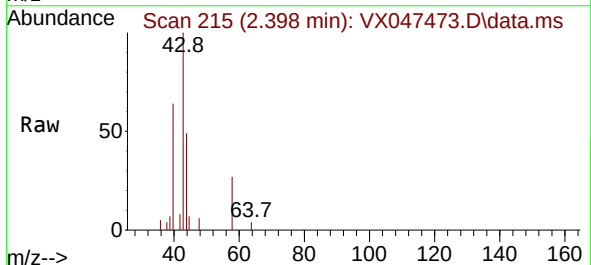
Instrument :
MSVOA_X
ClientSampleId :
MW-1C-081925

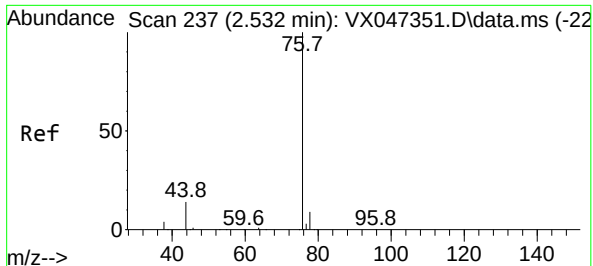
Tgt Ion:168 Resp: 227781
Ion Ratio Lower Upper
168 100
99 64.3 47.9 71.9



#16
Acetone
Concen: 2.385 ug/l
RT: 2.398 min Scan# 215
Delta R.T. 0.006 min
Lab File: VX047473.D
Acq: 21 Aug 2025 16:14

Tgt Ion: 43 Resp: 2858
Ion Ratio Lower Upper
43 100
58 27.2 24.8 37.2





#17

Carbon Disulfide

Concen: 0.544 ug/l

RT: 2.538 min Scan# 21

Delta R.T. 0.006 min

Lab File: VX047473.D

Acq: 21 Aug 2025 16:14

Instrument :

MSVOA_X

ClientSampleId :

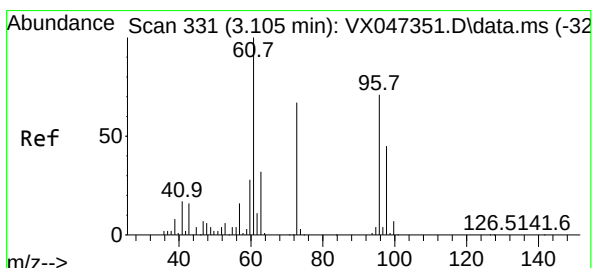
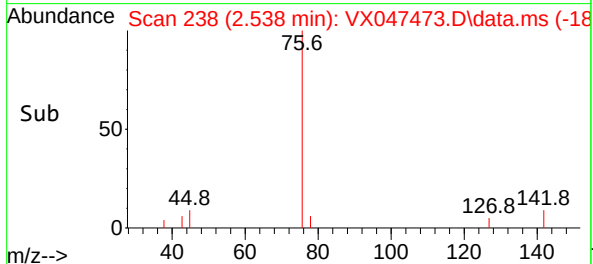
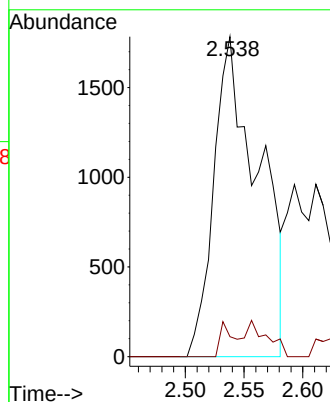
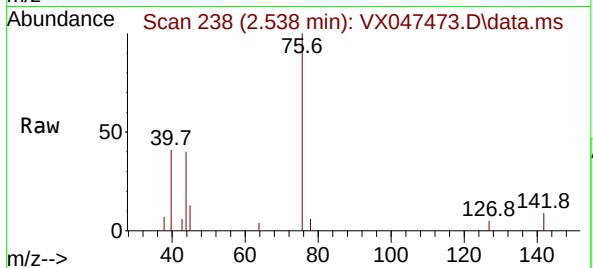
MW-1C-081925

Tgt Ion: 76 Resp: 4704

Ion Ratio Lower Upper

76 100

78 6.2 7.2 10.8#



#21

trans-1,2-Dichloroethene

Concen: 6.915 ug/l

RT: 3.111 min Scan# 332

Delta R.T. 0.006 min

Lab File: VX047473.D

Acq: 21 Aug 2025 16:14

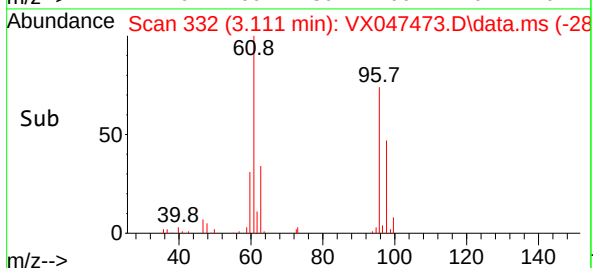
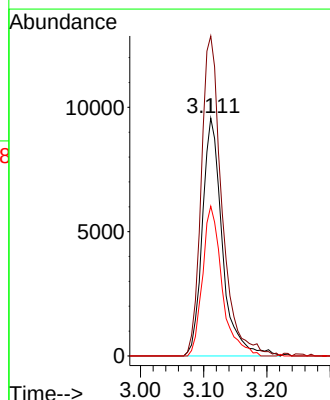
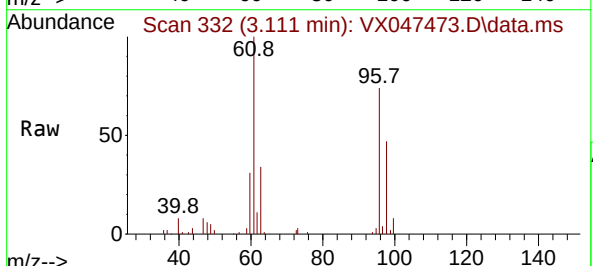
Tgt Ion: 96 Resp: 21050

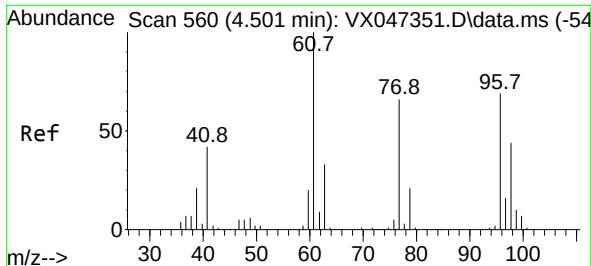
Ion Ratio Lower Upper

96 100

61 127.9 112.6 169.0

98 59.8 50.9 76.3





#27

cis-1,2-Dichloroethene

Concen: 13.890 ug/l

RT: 4.501 min Scan# 560

Delta R.T. 0.000 min

Lab File: VX047473.D

Acq: 21 Aug 2025 16:14

Instrument :

MSVOA_X

ClientSampleId :

MW-1C-081925

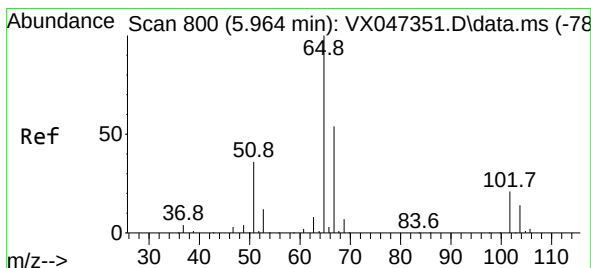
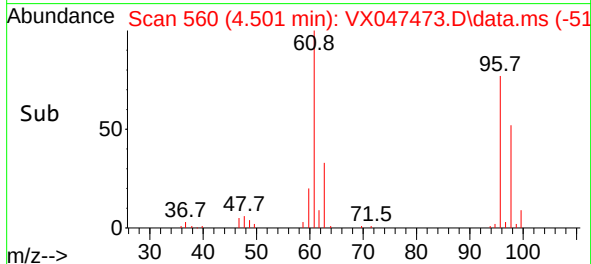
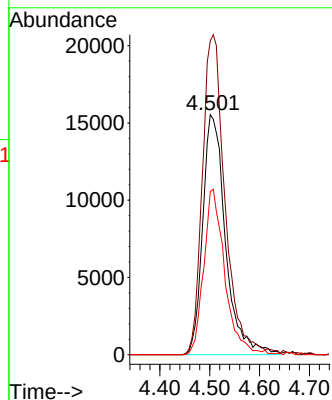
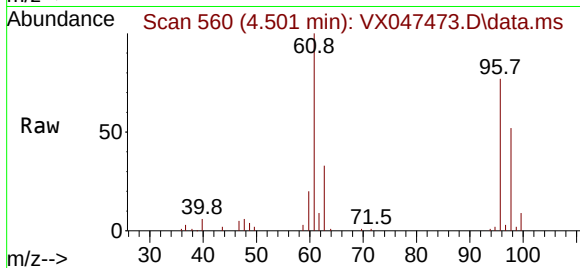
Tgt Ion: 96 Resp: 49245

Ion Ratio Lower Upper

96 100

61 132.8 0.0 296.6

98 64.0 0.0 130.4



#33

1,2-Dichloroethane-d4

Concen: 65.032 ug/l

RT: 5.964 min Scan# 800

Delta R.T. 0.000 min

Lab File: VX047473.D

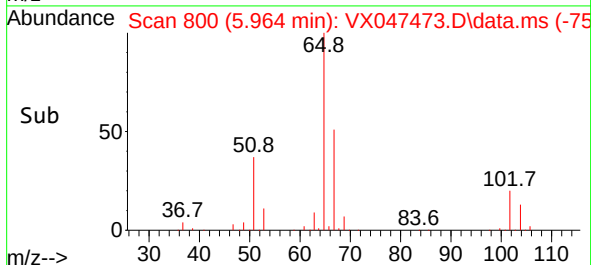
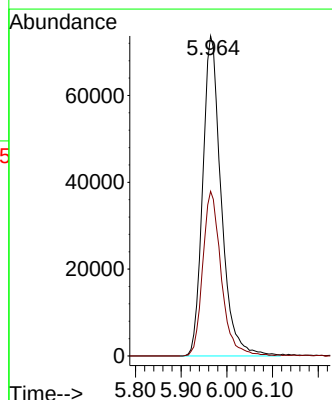
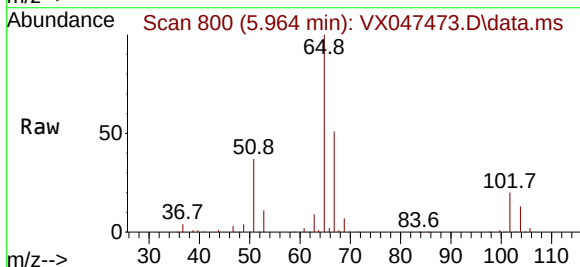
Acq: 21 Aug 2025 16:14

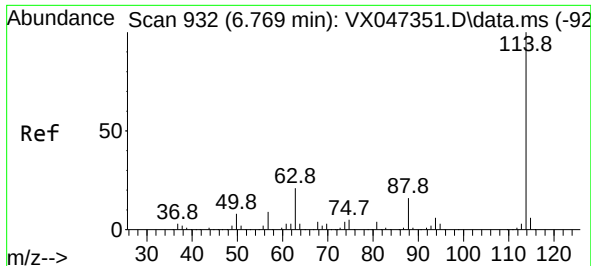
Tgt Ion: 65 Resp: 207314

Ion Ratio Lower Upper

65 100

67 51.4 0.0 106.0

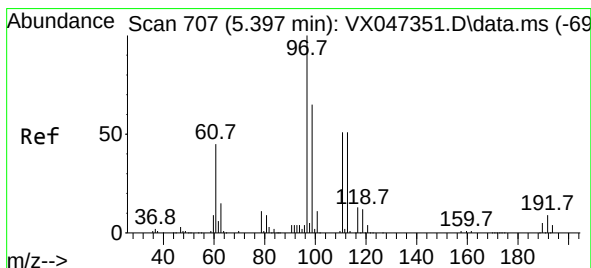
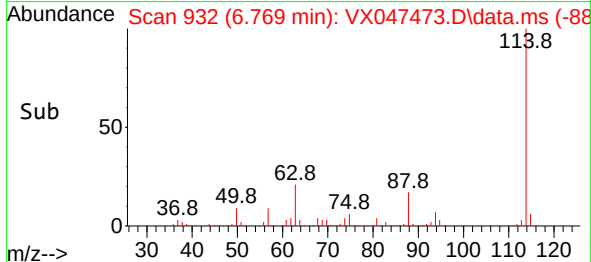
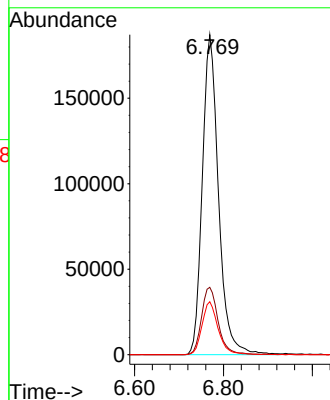
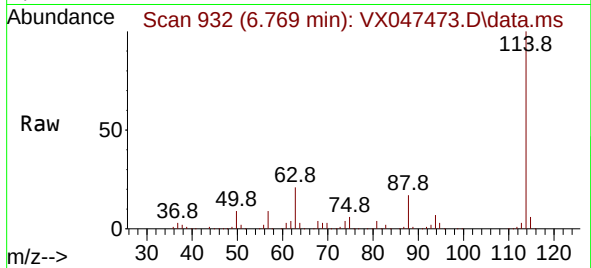




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 911
Delta R.T. 0.000 min
Lab File: VX047473.D
Acq: 21 Aug 2025 16:14

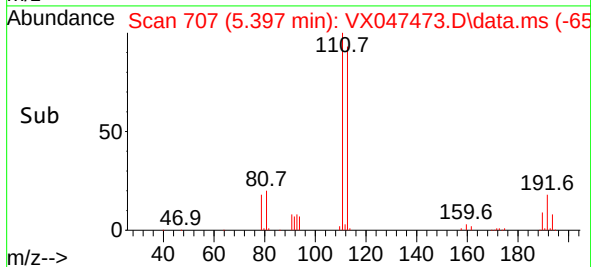
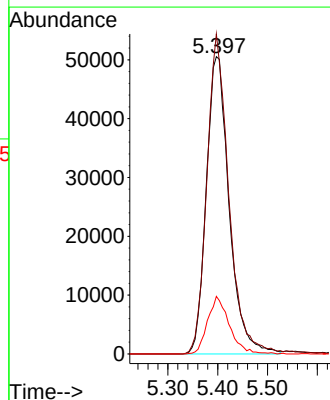
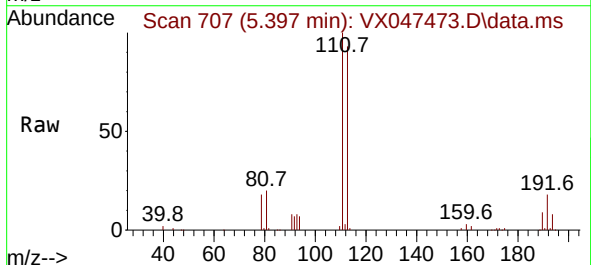
Instrument :
MSVOA_X
ClientSampleId :
MW-1C-081925

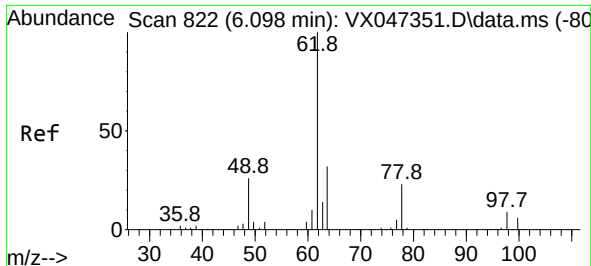
Tgt Ion:114 Resp: 475332
Ion Ratio Lower Upper
114 100
63 21.1 0.0 42.4
88 16.6 0.0 33.0



#35
Dibromofluoromethane
Concen: 52.244 ug/l
RT: 5.397 min Scan# 707
Delta R.T. 0.000 min
Lab File: VX047473.D
Acq: 21 Aug 2025 16:14

Tgt Ion:113 Resp: 161169
Ion Ratio Lower Upper
113 100
111 103.2 81.4 122.2
192 18.4 14.1 21.1





#42

1,2-Dichloroethane

Concen: 0.361 ug/l

RT: 6.117 min Scan# 81

Delta R.T. 0.018 min

Lab File: VX047473.D

Acq: 21 Aug 2025 16:14

Instrument :

MSVOA_X

ClientSampleId :

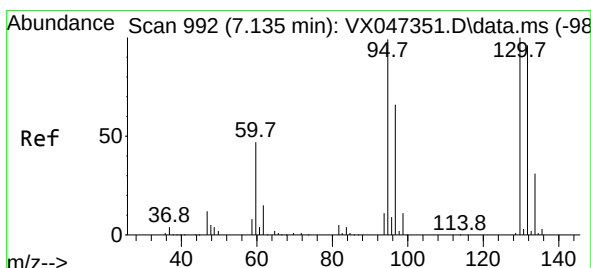
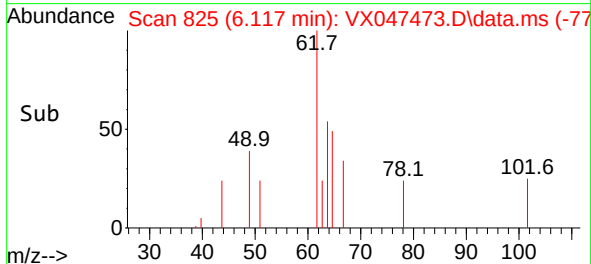
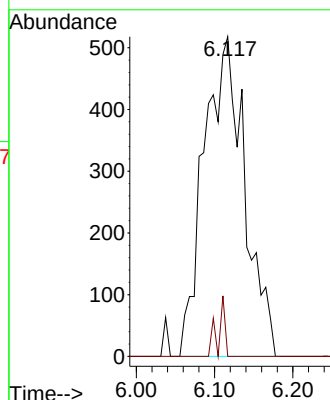
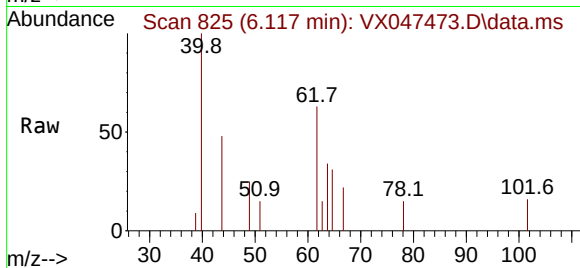
MW-1C-081925

Tgt Ion: 62 Resp: 1864

Ion Ratio Lower Upper

62 100

98 3.2 0.0 18.0



#44

Trichloroethene

Concen: 9.715 ug/l

RT: 7.129 min Scan# 991

Delta R.T. -0.006 min

Lab File: VX047473.D

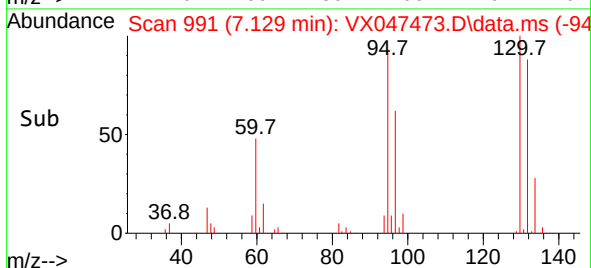
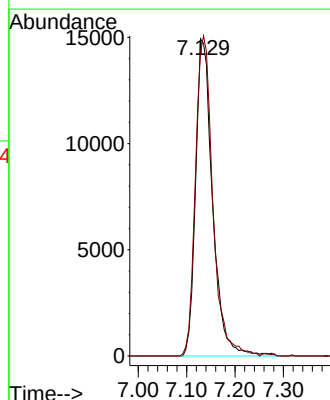
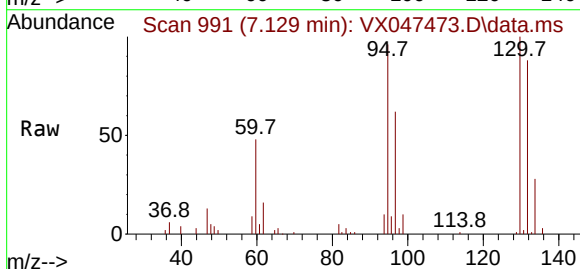
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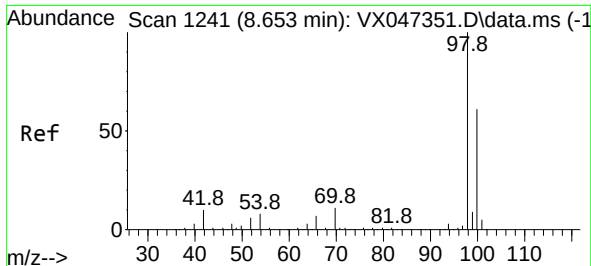
Tgt Ion:130 Resp: 36258

Ion Ratio Lower Upper

130 100

95 104.3 0.0 198.6

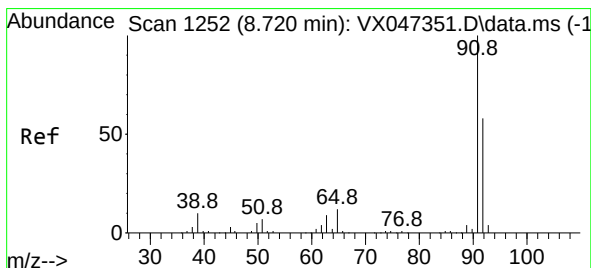
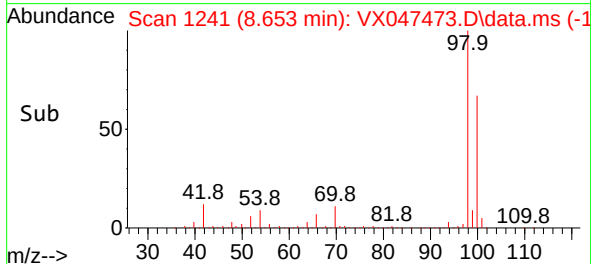
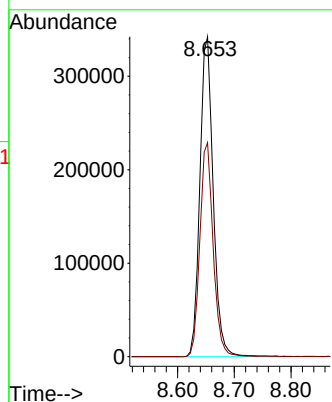
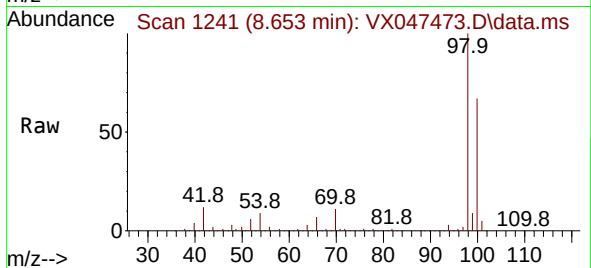




#50
Toluene-d8
Concen: 50.637 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. 0.000 min
Lab File: VX047473.D
Acq: 21 Aug 2025 16:14

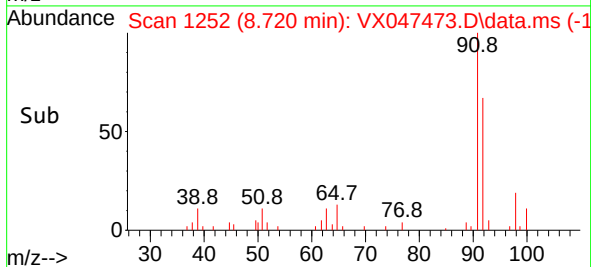
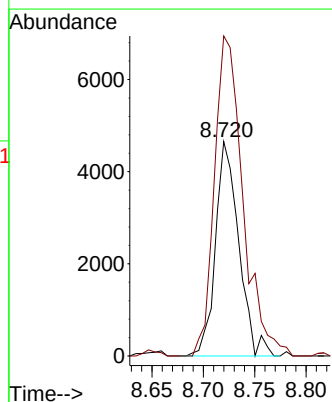
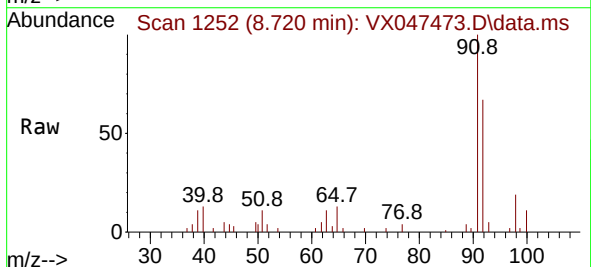
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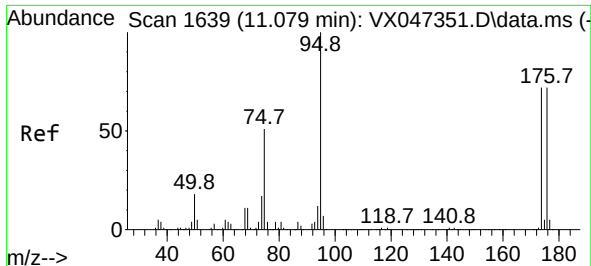
Tgt Ion: 98 Resp: 558348
Ion Ratio Lower Upper
98 100
100 66.8 53.9 80.9



#52
Toluene
Concen: 0.810 ug/l
RT: 8.720 min Scan# 1252
Delta R.T. 0.000 min
Lab File: VX047473.D
Acq: 21 Aug 2025 16:14

Tgt Ion: 92 Resp: 7300
Ion Ratio Lower Upper
92 100
91 183.6 136.3 204.5

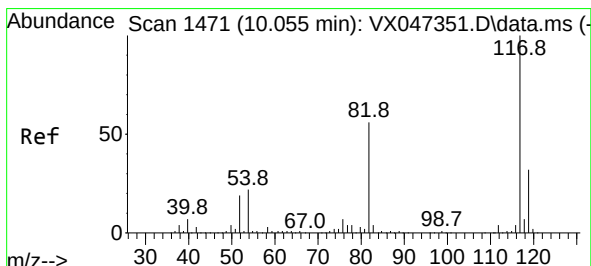
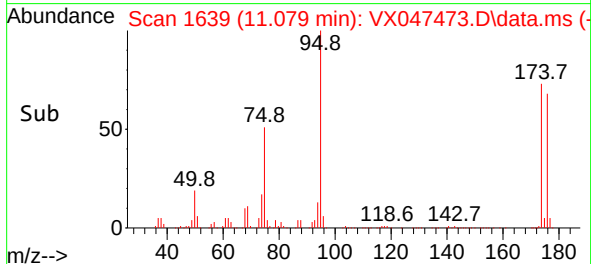
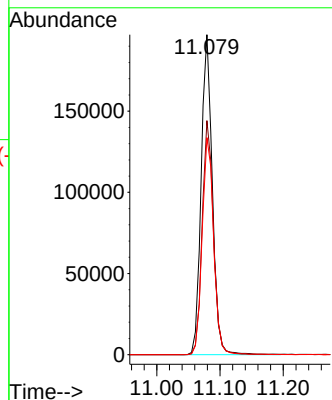
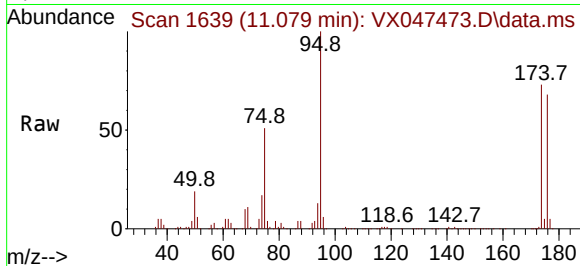




#62
4-Bromofluorobenzene
Concen: 59.575 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX047473.D
Acq: 21 Aug 2025 16:14

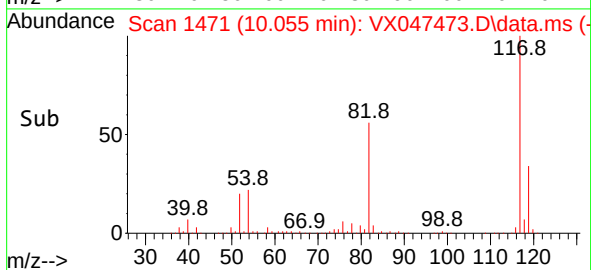
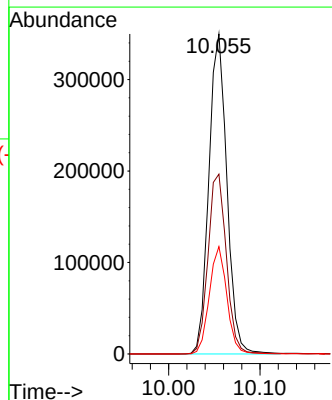
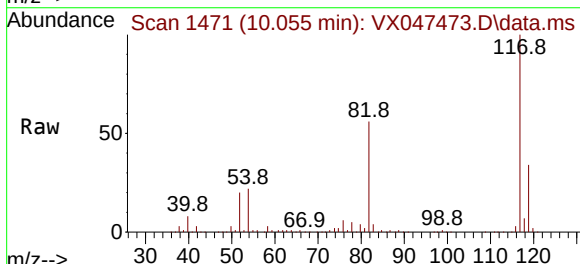
Instrument :
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MW-1C-081925

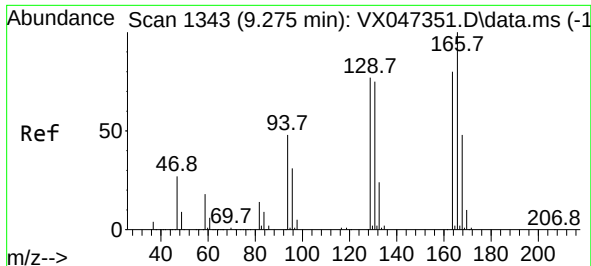
Tgt Ion: 95 Resp: 242409
Ion Ratio Lower Upper
95 100
174 73.9 0.0 148.0
176 70.0 0.0 145.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX047473.D
Acq: 21 Aug 2025 16:14

Tgt Ion: 117 Resp: 479784
Ion Ratio Lower Upper
117 100
82 56.2 45.0 67.4
119 33.5 25.8 38.8

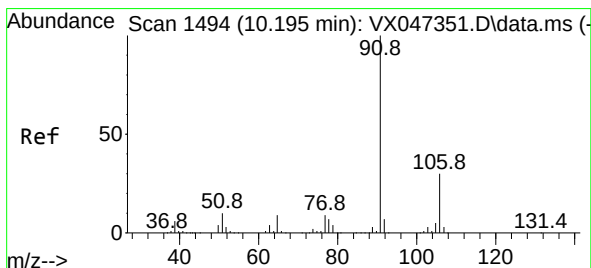
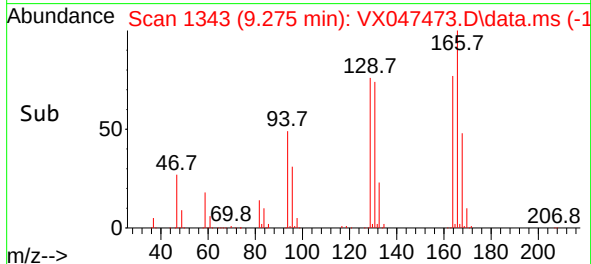
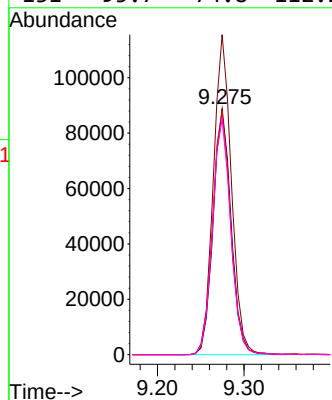
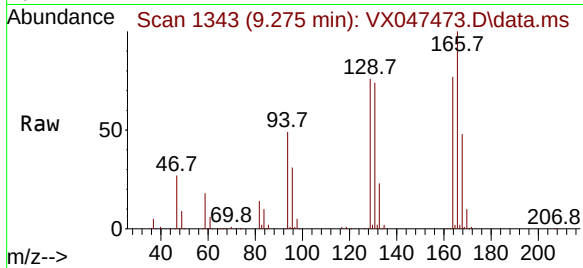




#64
Tetrachloroethene
Concen: 36.926 ug/l
RT: 9.275 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX047473.D
Acq: 21 Aug 2025 16:14

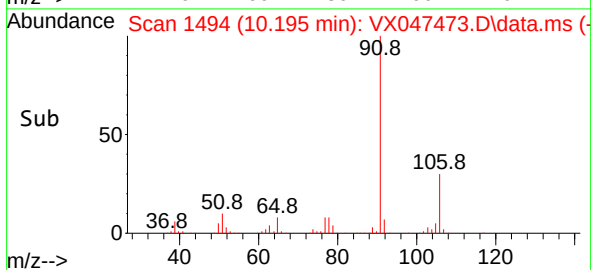
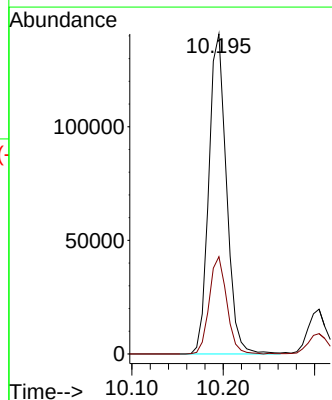
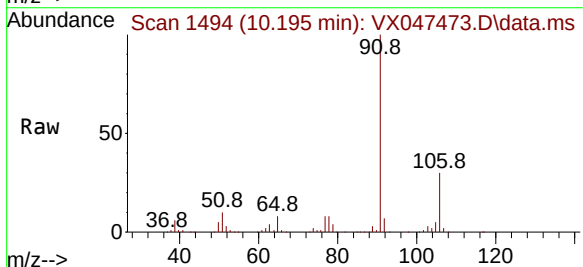
Instrument :
MSVOA_X
ClientSampleId :
MW-1C-081925

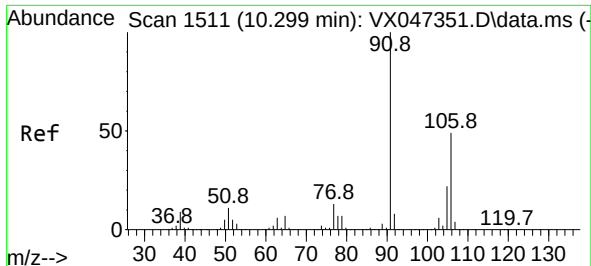
Tgt Ion:164 Resp: 128145
Ion Ratio Lower Upper
164 100
166 130.2 100.3 150.5
129 99.4 77.7 116.5
131 95.7 74.8 112.2



#67
Ethyl Benzene
Concen: 9.645 ug/l
RT: 10.195 min Scan# 1494
Delta R.T. 0.000 min
Lab File: VX047473.D
Acq: 21 Aug 2025 16:14

Tgt Ion: 91 Resp: 189272
Ion Ratio Lower Upper
91 100
106 30.4 24.4 36.6

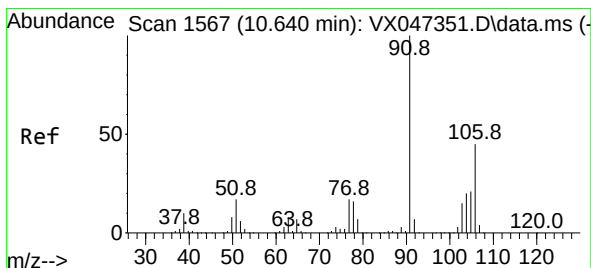
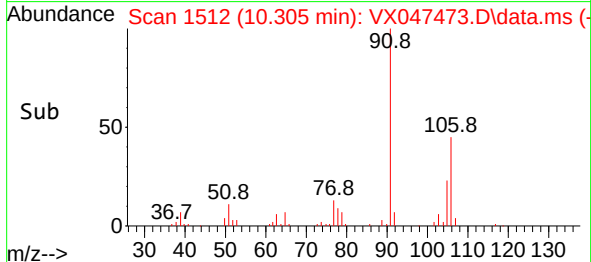
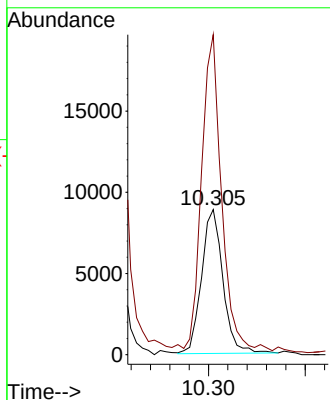
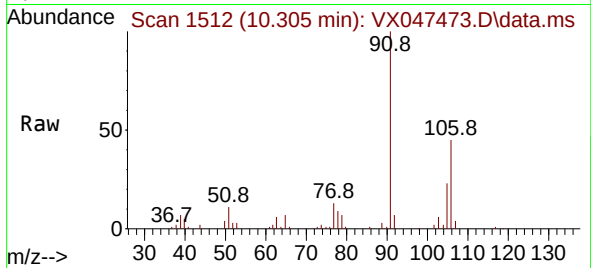




#68
m/p-Xylenes
Concen: 1.862 ug/l
RT: 10.305 min Scan# 1511
Delta R.T. 0.006 min
Lab File: VX047473.D
Acq: 21 Aug 2025 16:14

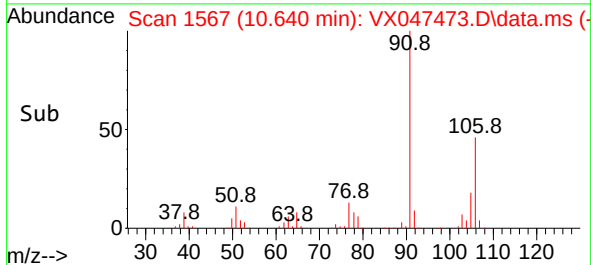
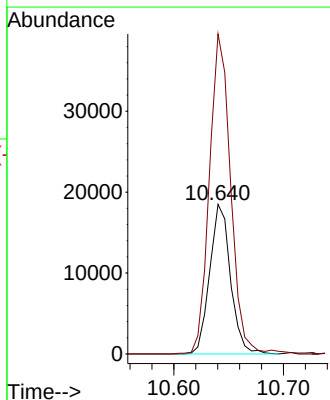
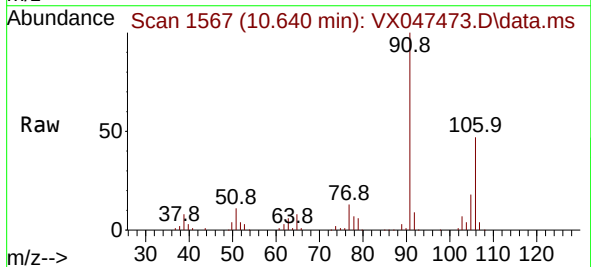
Instrument :
MSVOA_X
ClientSampleId :
MW-1C-081925

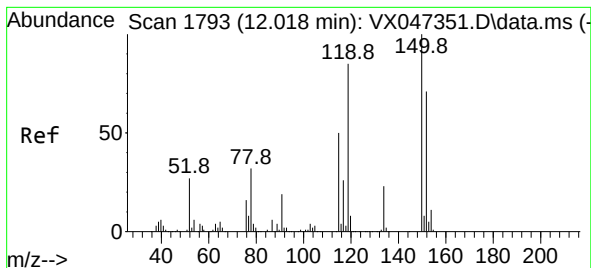
Tgt Ion:106 Resp: 13623
Ion Ratio Lower Upper
106 100
91 207.9 164.7 247.1



#69
o-Xylene
Concen: 3.459 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. 0.000 min
Lab File: VX047473.D
Acq: 21 Aug 2025 16:14

Tgt Ion:106 Resp: 24358
Ion Ratio Lower Upper
106 100
91 219.7 110.6 331.8





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.018 min Scan# 1

Delta R.T. 0.000 min

Lab File: VX047473.D

Acq: 21 Aug 2025 16:14

Instrument :

MSVOA_X

ClientSampleId :

MW-1C-081925

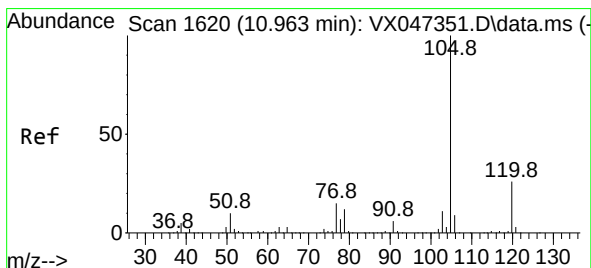
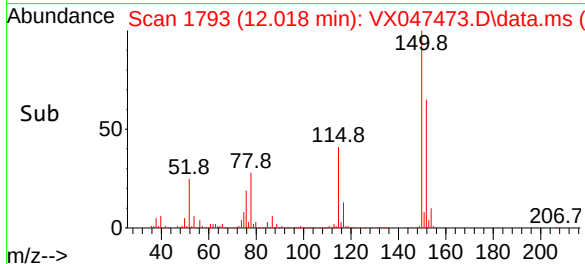
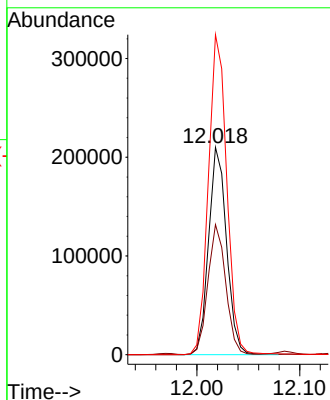
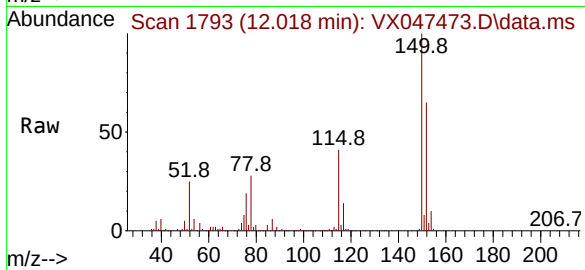
Tgt Ion:152 Resp: 255083

Ion Ratio Lower Upper

152 100

115 62.2 44.6 133.8

150 157.8 0.0 349.8



#73

Isopropylbenzene

Concen: 1.984 ug/l

RT: 10.963 min Scan# 1620

Delta R.T. 0.000 min

Lab File: VX047473.D

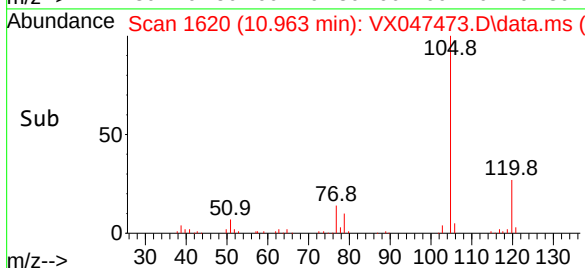
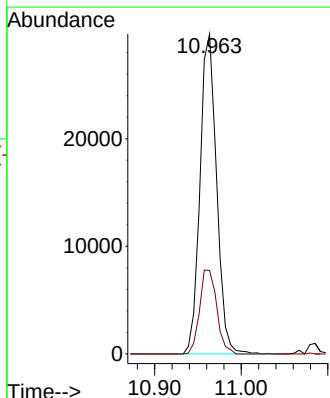
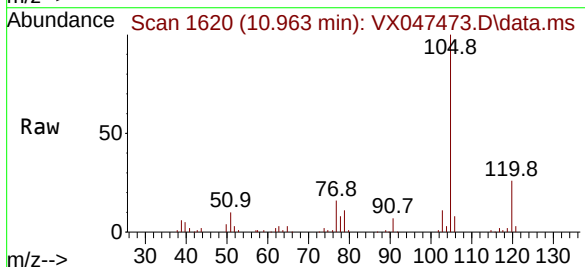
Acq: 21 Aug 2025 16:14

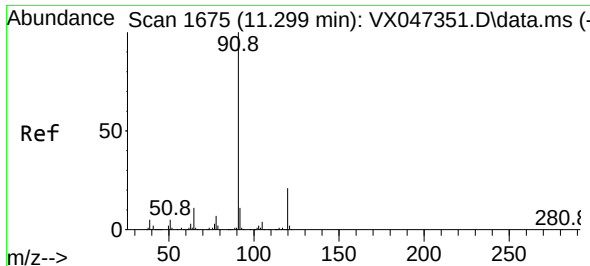
Tgt Ion:105 Resp: 39594

Ion Ratio Lower Upper

105 100

120 27.1 12.9 38.6

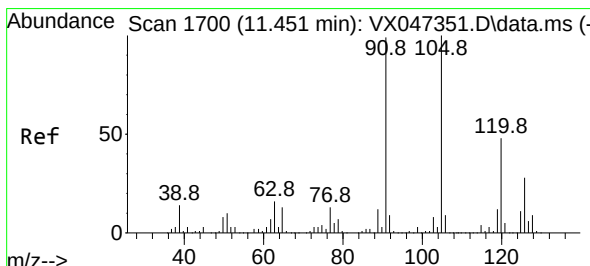
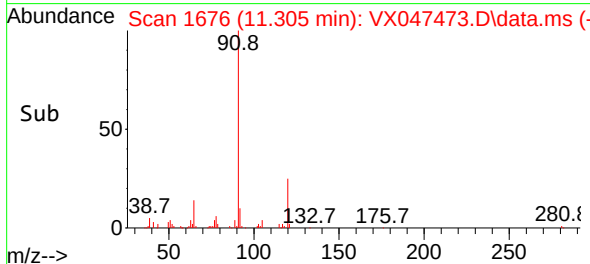
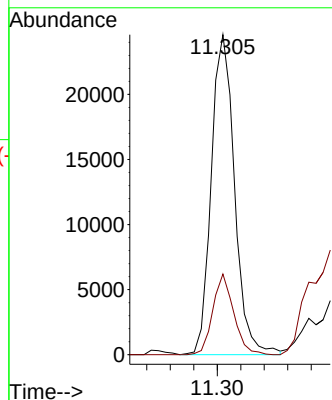
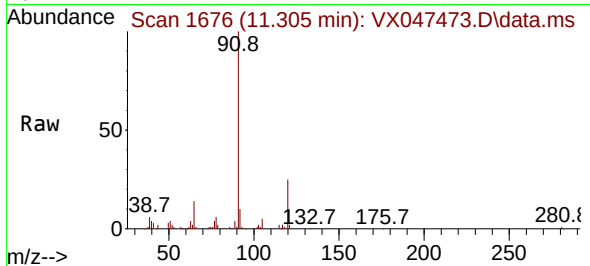




#78
n-propylbenzene
Concen: 1.421 ug/l
RT: 11.305 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX047473.D
Acq: 21 Aug 2025 16:14

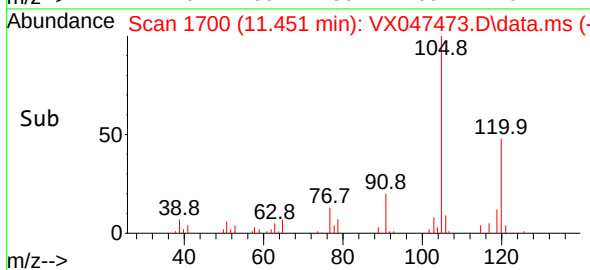
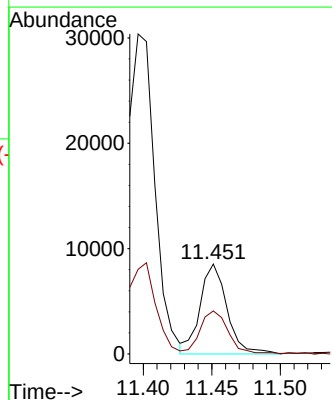
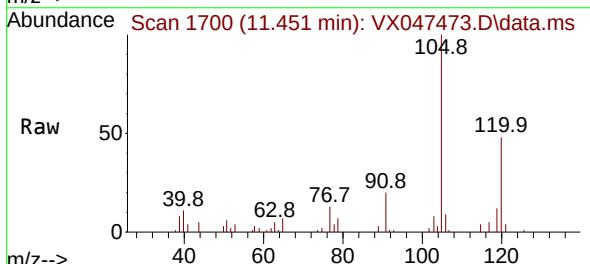
Instrument :
MSVOA_X
ClientSampleId :
MW-1C-081925

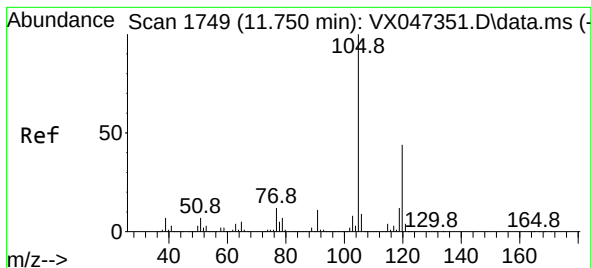
Tgt Ion: 91 Resp: 33871
Ion Ratio Lower Upper
91 100
120 22.6 11.0 33.0



#80
1,3,5-Trimethylbenzene
Concen: 0.712 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX047473.D
Acq: 21 Aug 2025 16:14

Tgt Ion: 105 Resp: 11697
Ion Ratio Lower Upper
105 100
120 50.9 23.9 71.7





#84

1,2,4-Trimethylbenzene

Concen: 7.108 ug/l

RT: 11.750 min Scan# 11

Delta R.T. 0.000 min

Lab File: VX047473.D

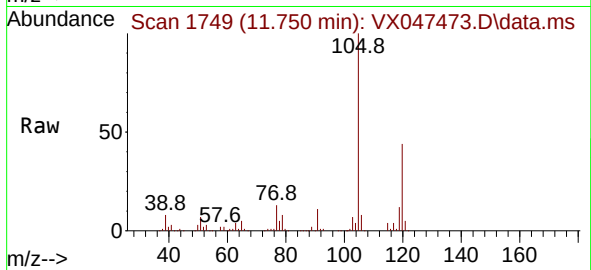
Acq: 21 Aug 2025 16:14

Instrument :

MSVOA_X

ClientSampleId :

MW-1C-081925



Tgt Ion:105 Resp: 116738

Ion Ratio Lower Upper

105 100

120 44.9 21.9 65.7

