

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082025\
 Data File : VX047447.D
 Acq On : 20 Aug 2025 16:52
 Operator : JC/MD
 Sample : Q2900-05
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-11C-081825

Quant Time: Aug 21 01:35:32 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)

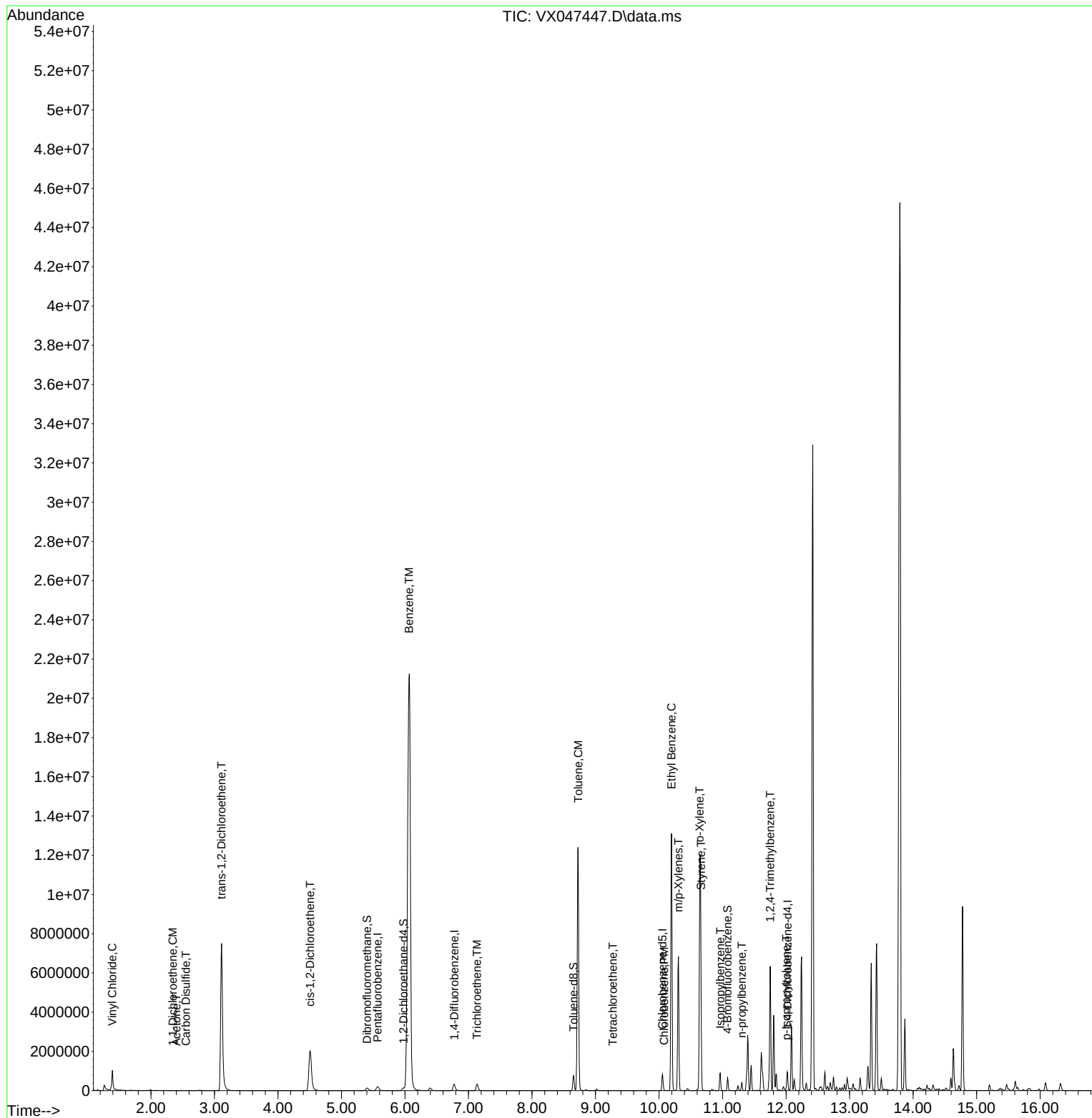
Internal Standards						
1) Pentafluorobenzene	5.568	168	207711	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.775	114	360319	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	375441	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	174957	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.977	65	160814	55.320	ug/l	0.01
Spiked Amount	50.000	Range	78 - 117	Recovery	= 110.640%	
35) Dibromofluoromethane	5.403	113	130805	55.935	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 111.880%	
50) Toluene-d8	8.653	98	449256	53.749	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 107.500%	
62) 4-Bromofluorobenzene	11.079	95	172469	55.916	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 111.840%	
Target Compounds						Qvalue
4) Vinyl Chloride	1.392	62	701030	234.478	ug/l	97
12) 1,1-Dichloroethene	2.343	96	2402	0.918	ug/l	89
16) Acetone	2.398	43	4556	4.170	ug/l #	84
17) Carbon Disulfide	2.550	76	10218	1.295	ug/l	97
21) trans-1,2-Dichloroethene	3.111	96	3470118	1250.157	ug/l	98
27) cis-1,2-Dichloroethene	4.507	96	1421266	439.617	ug/l	89
40) Benzene	6.062	78	27808097	2516.719	ug/l	91
44) Trichloroethene	7.135	130	140297	49.588	ug/l	100
52) Toluene	8.726	92	4981739	729.639	ug/l	95
64) Tetrachloroethene	9.275	164	1552	0.572	ug/l #	87
65) Chlorobenzene	10.079	112	2846	0.319	ug/l	92
67) Ethyl Benzene	10.195	91	7538323	490.906	ug/l	97
68) m/p-Xylenes	10.305	106	1531967	267.552	ug/l	100
69) o-Xylene	10.640	106	2016861	366.022	ug/l	97
70) Styrene	10.659	104	2602706	279.548	ug/l	96
73) Isopropylbenzene	10.963	105	468689	34.233	ug/l	99
78) n-propylbenzene	11.305	91	247205	15.118	ug/l	100
84) 1,2,4-Trimethylbenzene	11.750	105	2647951	235.056	ug/l	99
86) p-Isopropyltoluene	12.006	119	36960	3.135	ug/l #	77

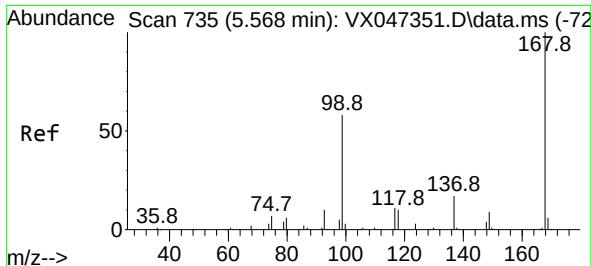
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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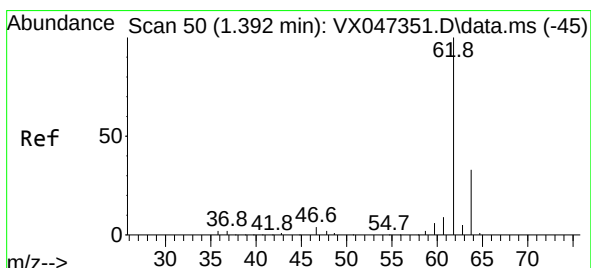
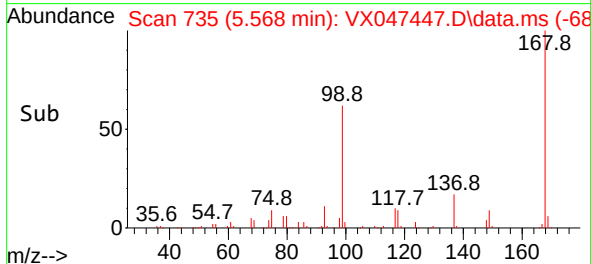
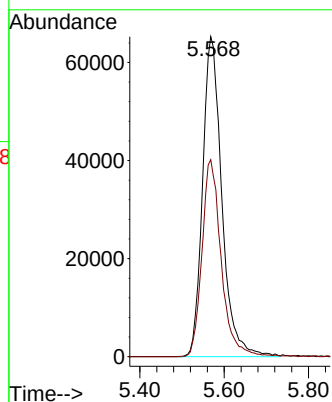
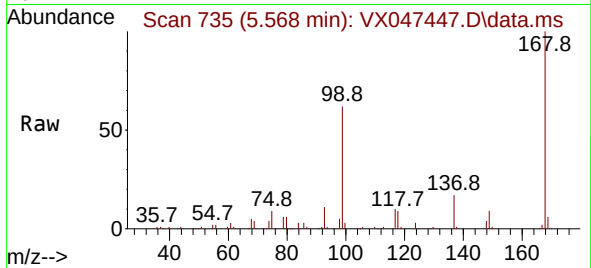




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.568 min Scan# 71
Delta R.T. 0.000 min
Lab File: VX047447.D
Acq: 20 Aug 2025 16:52

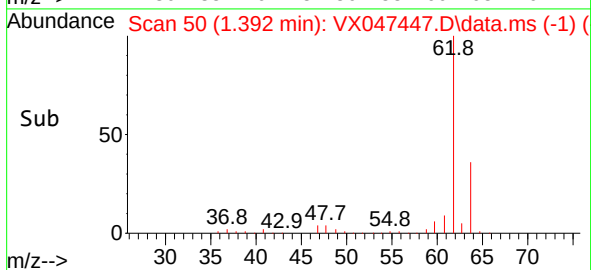
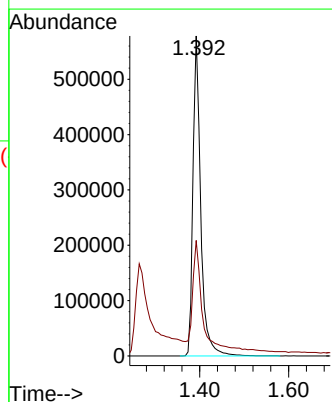
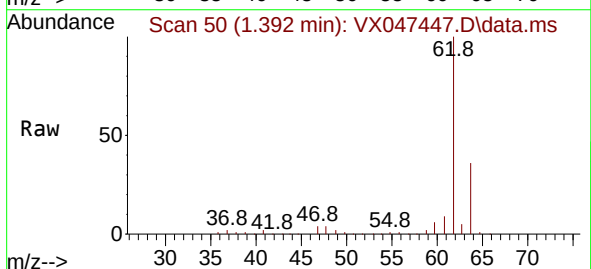
Instrument :
MSVOA_X
ClientSampleId :
MW-11C-081825

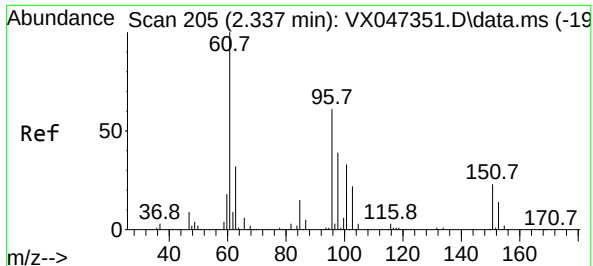
Tgt Ion:168 Resp: 207711
Ion Ratio Lower Upper
168 100
99 61.5 47.9 71.9



#4
Vinyl Chloride
Concen: 234.478 ug/l
RT: 1.392 min Scan# 50
Delta R.T. 0.000 min
Lab File: VX047447.D
Acq: 20 Aug 2025 16:52

Tgt Ion: 62 Resp: 701030
Ion Ratio Lower Upper
62 100
64 34.7 26.5 39.7





#12

1,1-Dichloroethene

Concen: 0.918 ug/l

RT: 2.343 min Scan# 205

Delta R.T. 0.006 min

Lab File: VX047447.D

Acq: 20 Aug 2025 16:52

Instrument :

MSVOA_X

ClientSampleId :

MW-11C-081825

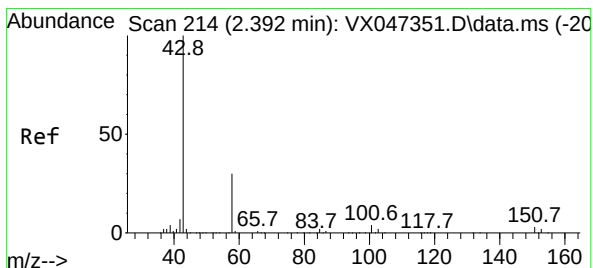
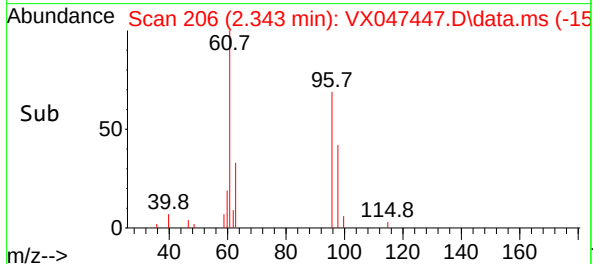
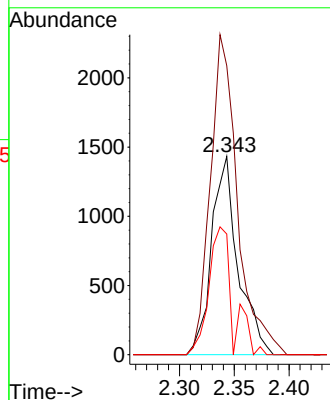
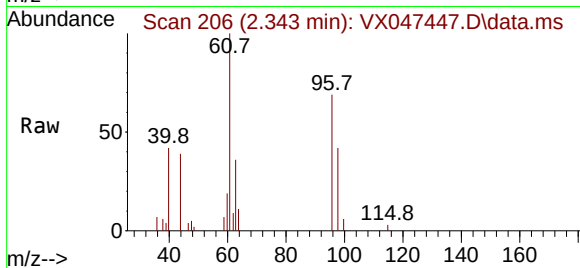
Tgt Ion: 96 Resp: 2402

Ion Ratio Lower Upper

96 100

61 145.8 132.2 198.2

98 60.9 51.2 76.8



#16

Acetone

Concen: 4.170 ug/l

RT: 2.398 min Scan# 215

Delta R.T. 0.006 min

Lab File: VX047447.D

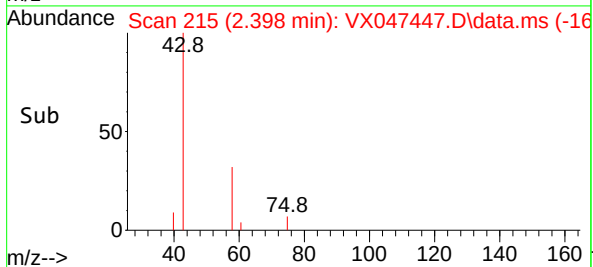
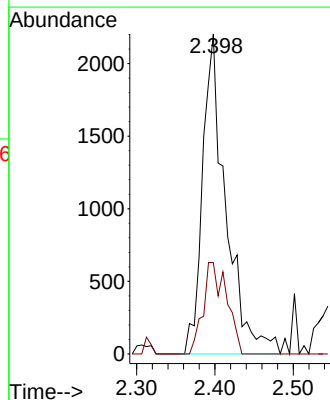
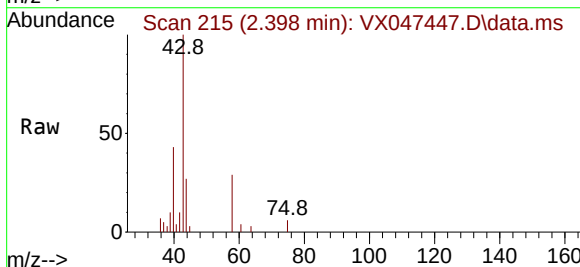
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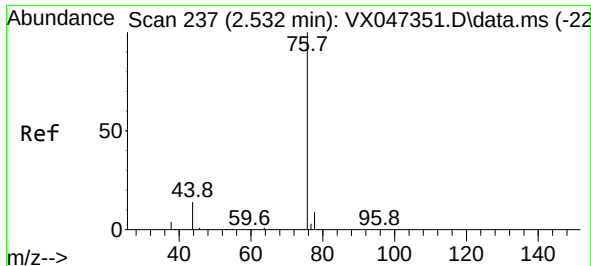
Tgt Ion: 43 Resp: 4556

Ion Ratio Lower Upper

43 100

58 22.4 24.8 37.2#

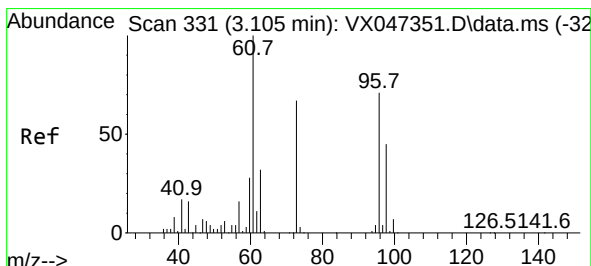
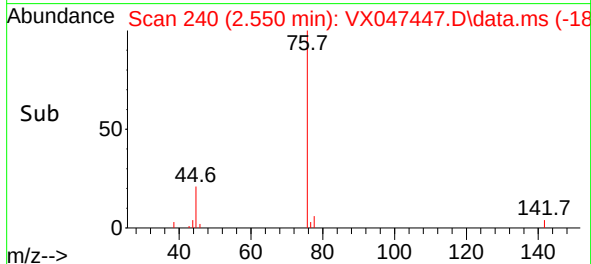
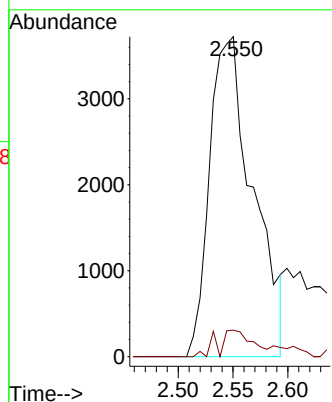
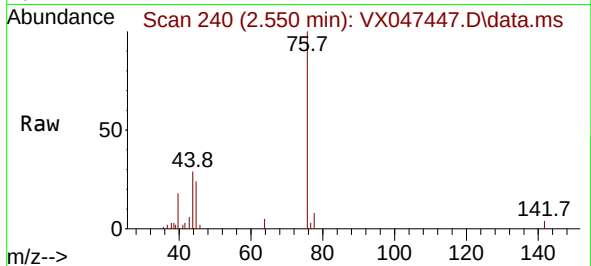




#17
Carbon Disulfide
Concen: 1.295 ug/l
RT: 2.550 min Scan# 24
Delta R.T. 0.018 min
Lab File: VX047447.D
Acq: 20 Aug 2025 16:52

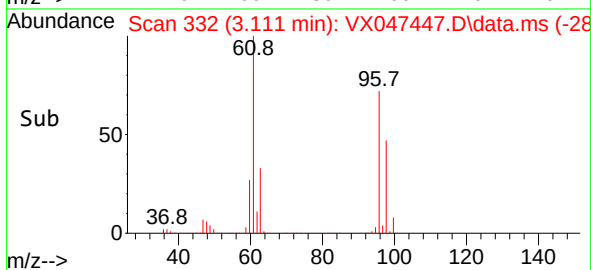
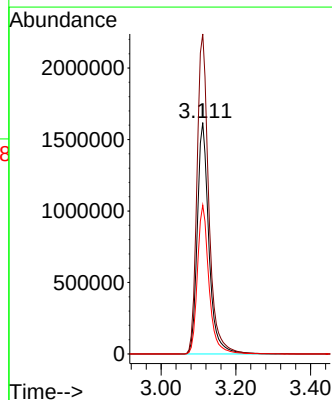
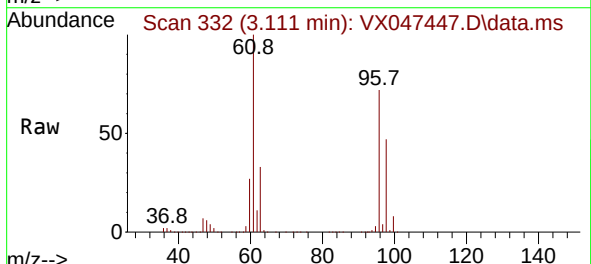
Instrument :
MSVOA_X
ClientSampleId :
MW-11C-081825

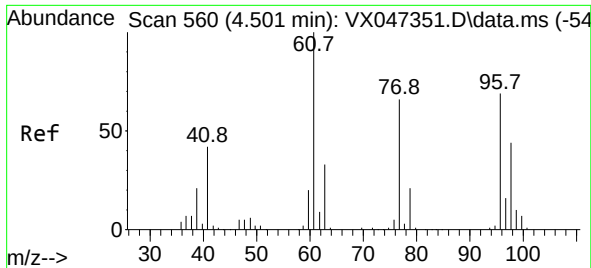
Tgt Ion: 76 Resp: 10218
Ion Ratio Lower Upper
76 100
78 8.1 7.2 10.8



#21
trans-1,2-Dichloroethene
Concen: 1250.157 ug/l
RT: 3.111 min Scan# 332
Delta R.T. 0.006 min
Lab File: VX047447.D
Acq: 20 Aug 2025 16:52

Tgt Ion: 96 Resp: 3470118
Ion Ratio Lower Upper
96 100
61 138.3 112.6 169.0
98 64.3 50.9 76.3



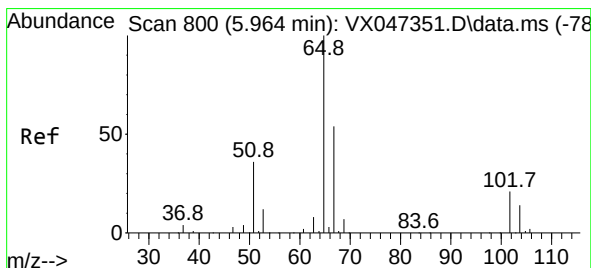
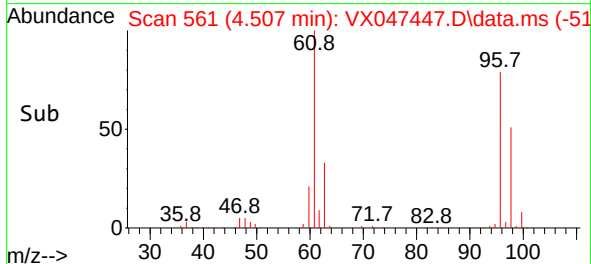
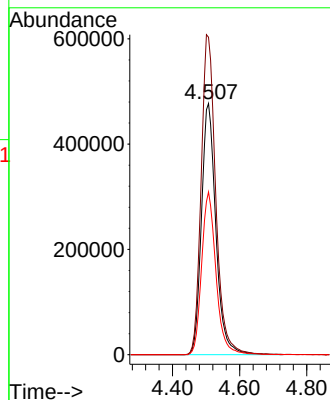
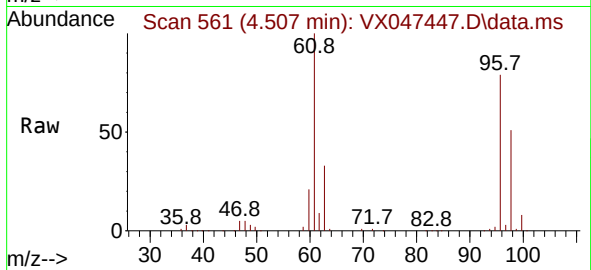


#27
 cis-1,2-Dichloroethene
 Concen: 439.617 ug/l
 RT: 4.507 min Scan# 560
 Delta R.T. 0.006 min
 Lab File: VX047447.D
 Acq: 20 Aug 2025 16:52

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-11C-081825

Tgt Ion: 96 Resp: 1421266

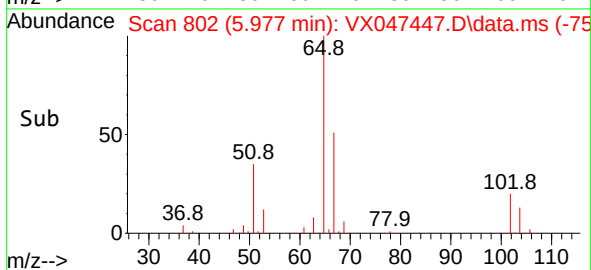
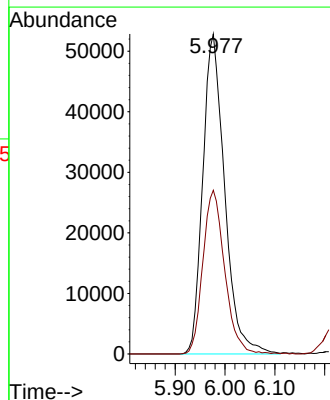
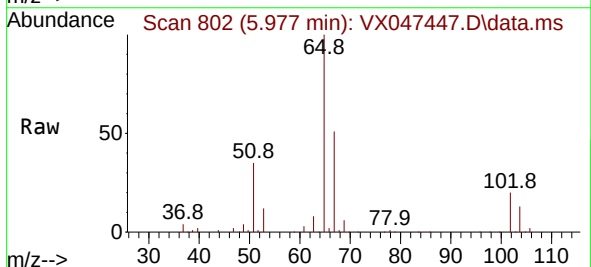
Ion	Ratio	Lower	Upper
96	100		
61	129.4	0.0	296.6
98	64.5	0.0	130.4

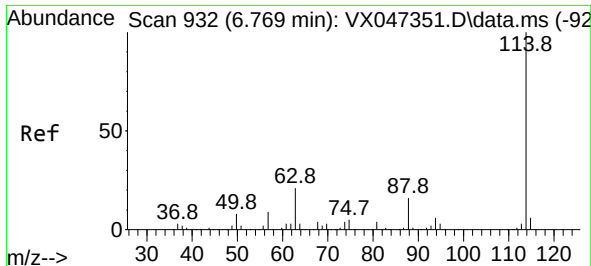


#33
 1,2-Dichloroethane-d4
 Concen: 55.320 ug/l
 RT: 5.977 min Scan# 802
 Delta R.T. 0.012 min
 Lab File: VX047447.D
 Acq: 20 Aug 2025 16:52

Tgt Ion: 65 Resp: 160814

Ion	Ratio	Lower	Upper
65	100		
67	51.0	0.0	106.0

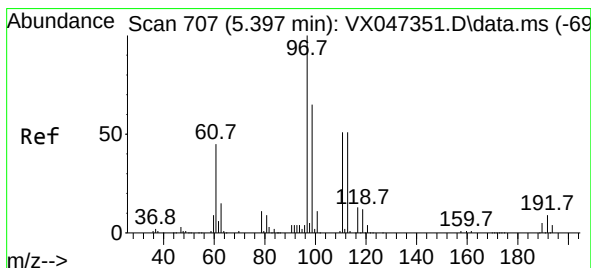
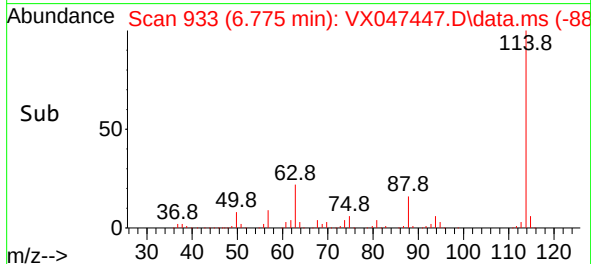
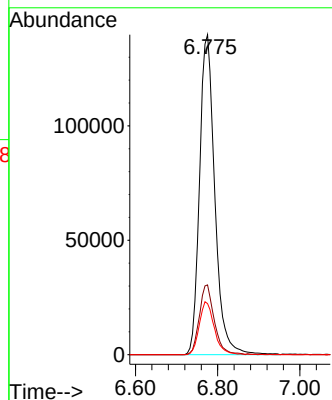
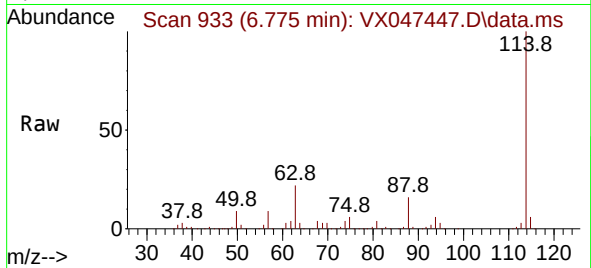




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.775 min Scan# 91
Delta R.T. 0.006 min
Lab File: VX047447.D
Acq: 20 Aug 2025 16:52

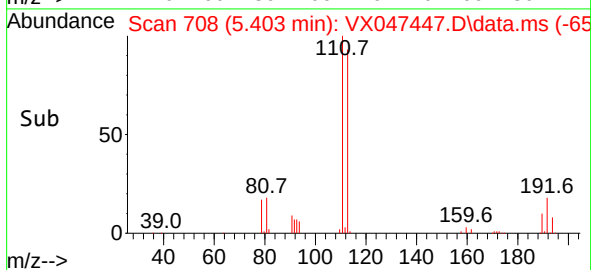
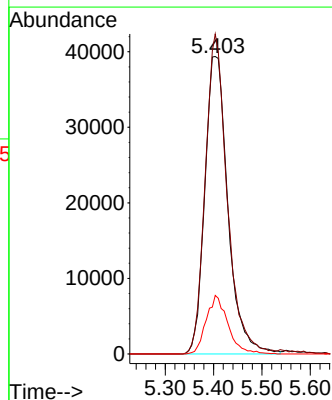
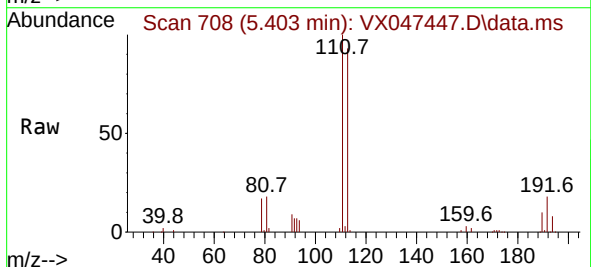
Instrument :
MSVOA_X
ClientSampleId :
MW-11C-081825

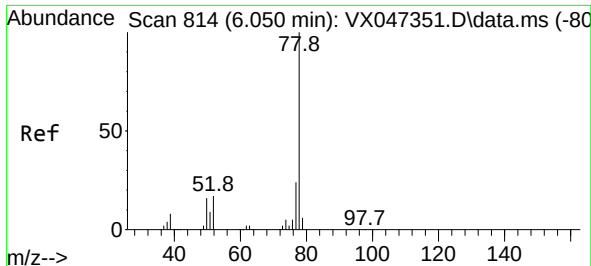
Tgt Ion:114 Resp: 360319
Ion Ratio Lower Upper
114 100
63 21.8 0.0 42.4
88 16.0 0.0 33.0



#35
Dibromofluoromethane
Concen: 55.935 ug/l
RT: 5.403 min Scan# 708
Delta R.T. 0.006 min
Lab File: VX047447.D
Acq: 20 Aug 2025 16:52

Tgt Ion:113 Resp: 130805
Ion Ratio Lower Upper
113 100
111 102.2 81.4 122.2
192 18.5 14.1 21.1





#40

Benzene

Concen: 2516.719 ug/l

RT: 6.062 min Scan# 814

Delta R.T. 0.012 min

Lab File: VX047447.D

Acq: 20 Aug 2025 16:52

Instrument :

MSVOA_X

ClientSampleId :

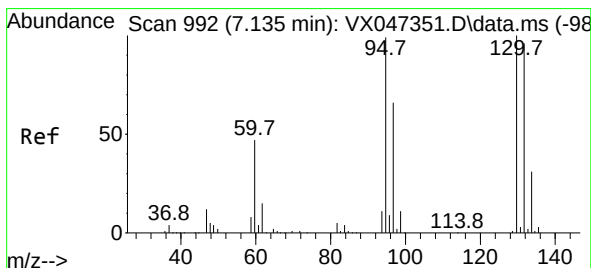
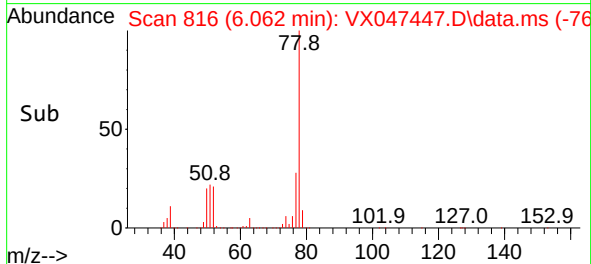
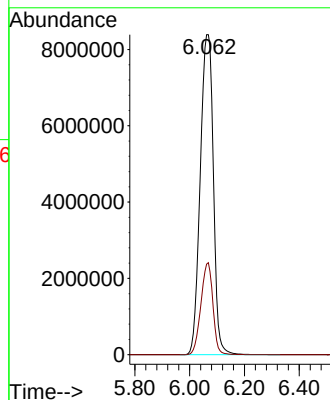
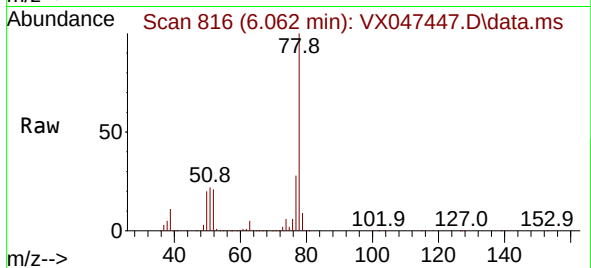
MW-11C-081825

Tgt Ion: 78 Resp: 27808097

Ion Ratio Lower Upper

78 100

77 28.3 19.0 28.4



#44

Trichloroethene

Concen: 49.588 ug/l

RT: 7.135 min Scan# 992

Delta R.T. 0.000 min

Lab File: VX047447.D

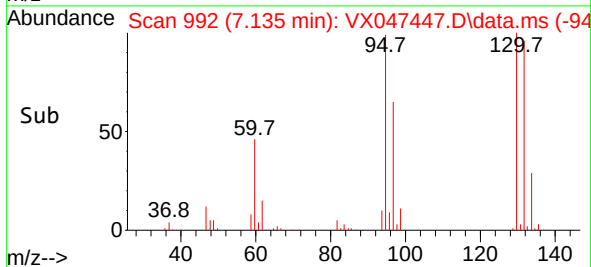
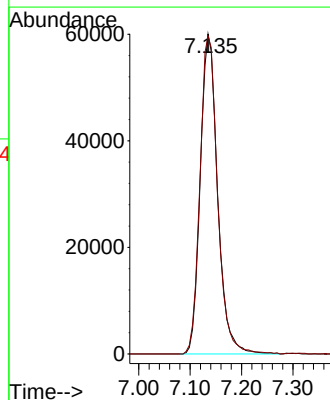
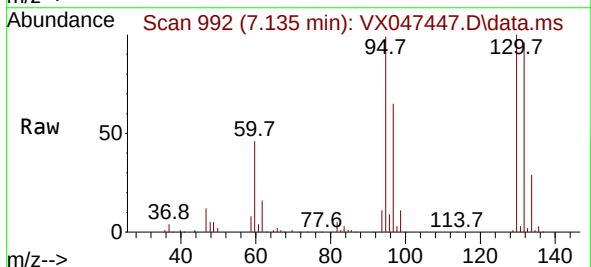
Acq: 20 Aug 2025 16:52

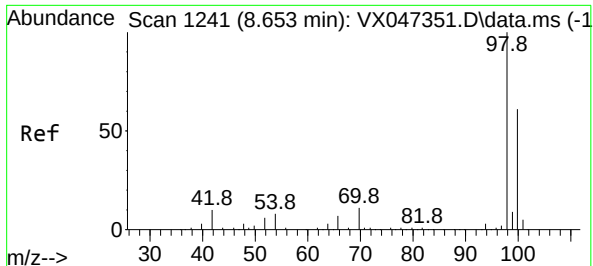
Tgt Ion: 130 Resp: 140297

Ion Ratio Lower Upper

130 100

95 99.4 0.0 198.6





#50

Toluene-d8

Concen: 53.749 ug/l

RT: 8.653 min Scan# 1241

Delta R.T. 0.000 min

Lab File: VX047447.D

Acq: 20 Aug 2025 16:52

Instrument :

MSVOA_X

ClientSampleId :

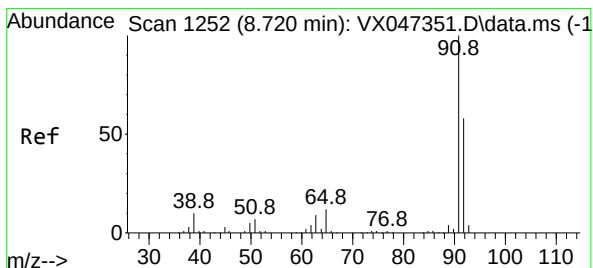
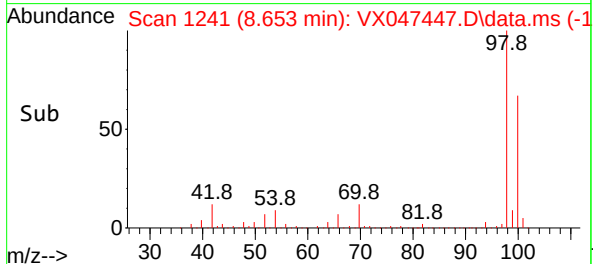
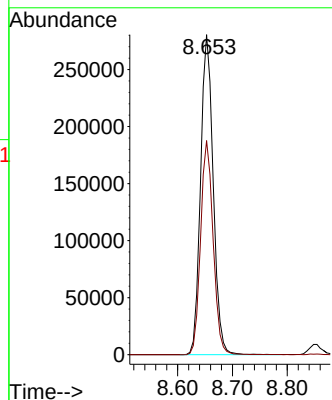
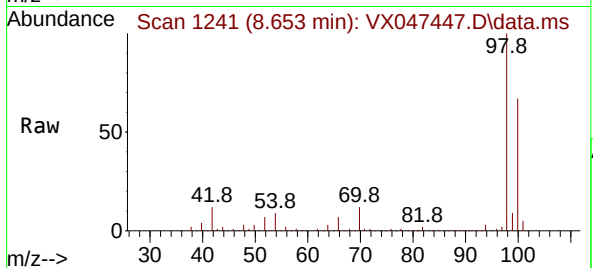
MW-11C-081825

Tgt Ion: 98 Resp: 449256

Ion Ratio Lower Upper

98 100

100 66.4 53.9 80.9



#52

Toluene

Concen: 729.639 ug/l

RT: 8.726 min Scan# 1253

Delta R.T. 0.006 min

Lab File: VX047447.D

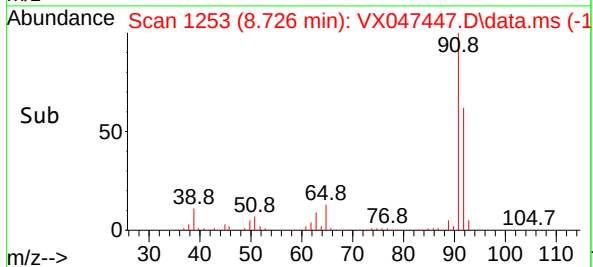
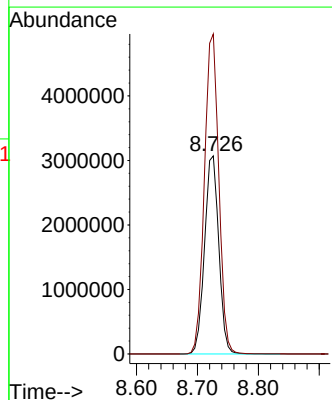
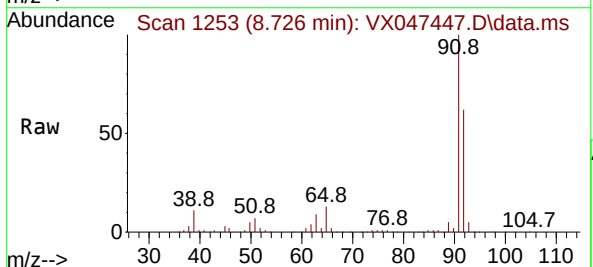
Acq: 20 Aug 2025 16:52

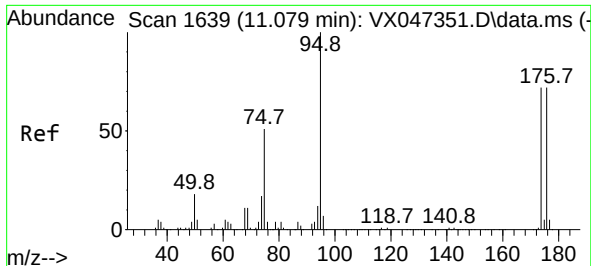
Tgt Ion: 92 Resp: 4981739

Ion Ratio Lower Upper

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91 163.5 136.3 204.5

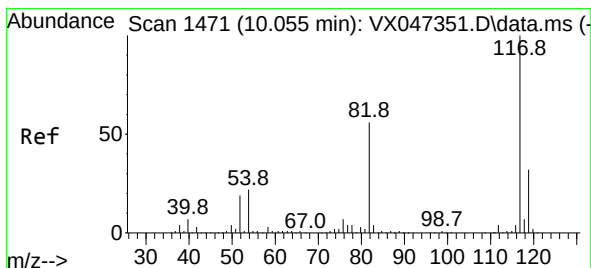
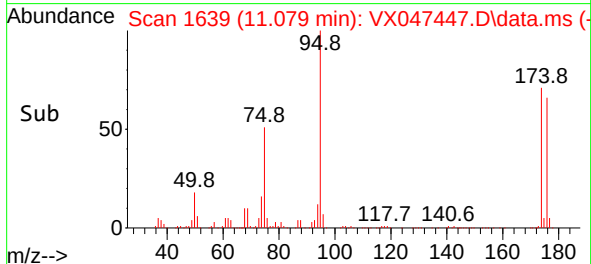
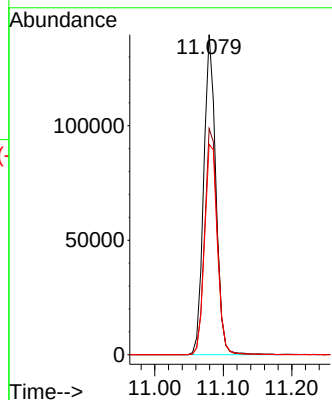
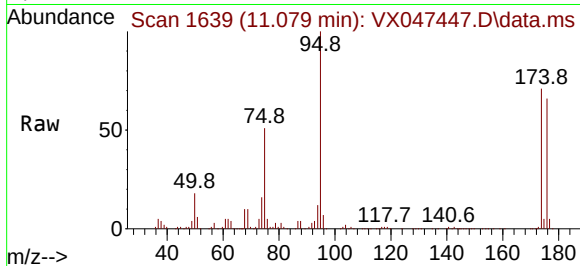




#62
4-Bromofluorobenzene
Concen: 55.916 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX047447.D
Acq: 20 Aug 2025 16:52

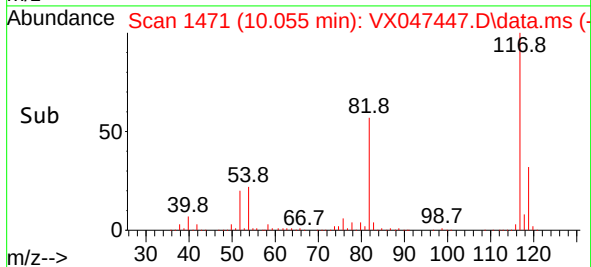
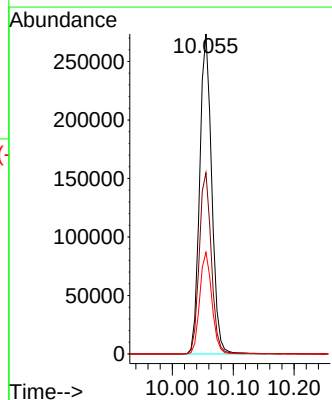
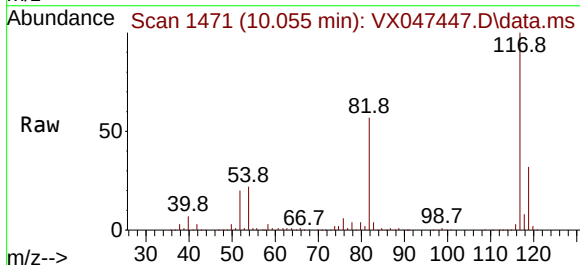
Instrument :
MSVOA_X
ClientSampleId :
MW-11C-081825

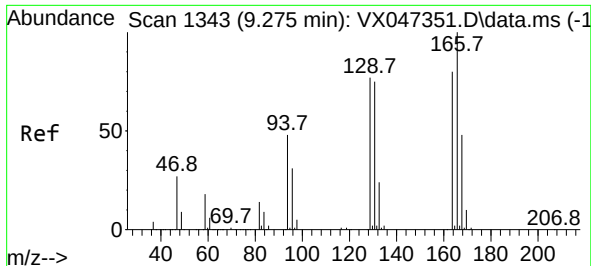
Tgt Ion: 95 Resp: 172469
Ion Ratio Lower Upper
95 100
174 73.9 0.0 148.0
176 69.7 0.0 145.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX047447.D
Acq: 20 Aug 2025 16:52

Tgt Ion: 117 Resp: 375441
Ion Ratio Lower Upper
117 100
82 56.6 45.0 67.4
119 31.8 25.8 38.8

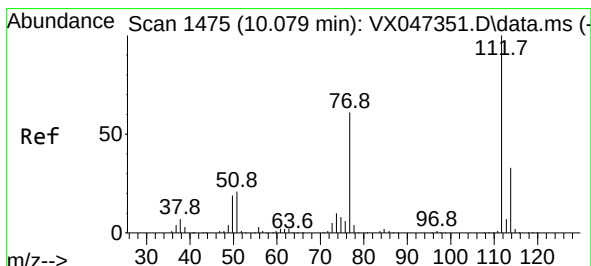
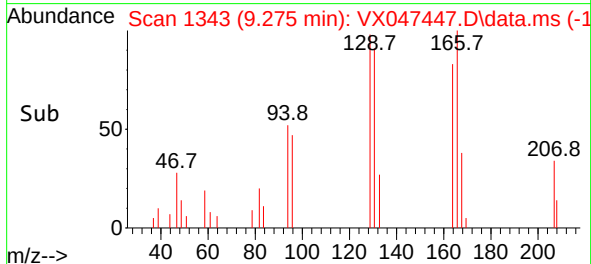
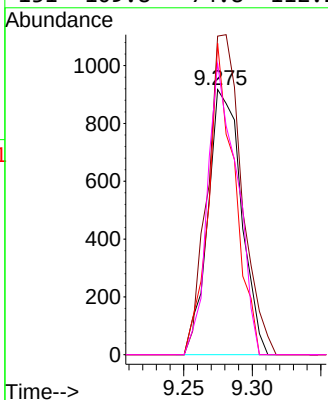
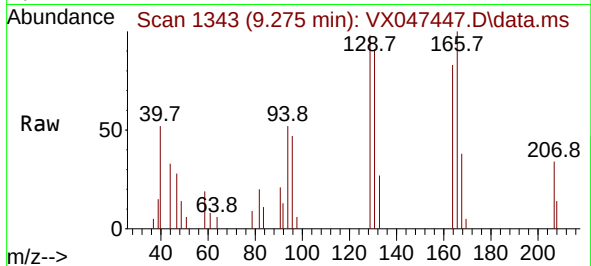




#64
Tetrachloroethene
Concen: 0.572 ug/l
RT: 9.275 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX047447.D
Acq: 20 Aug 2025 16:52

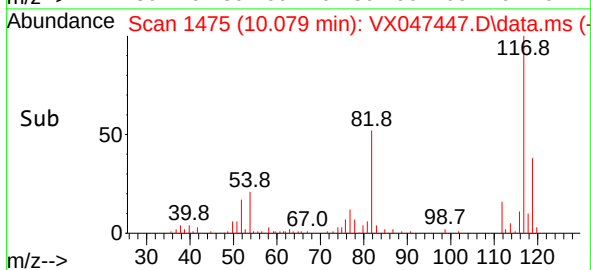
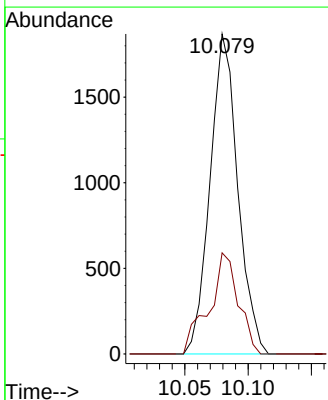
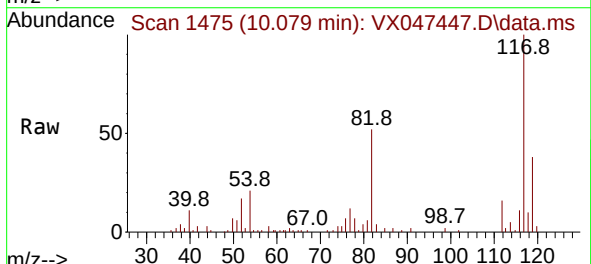
Instrument :
MSVOA_X
ClientSampleId :
MW-11C-081825

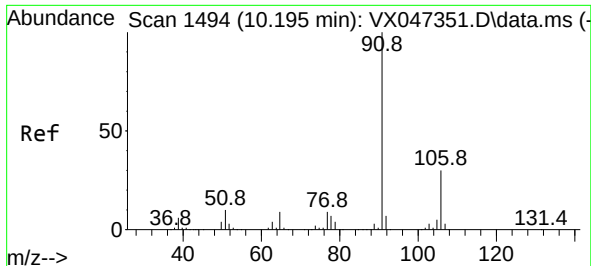
Tgt	Ion:164	Resp:	1552
Ion	Ratio	Lower	Upper
164	100		
166	120.2	100.3	150.5
129	117.4	77.7	116.5#
131	109.8	74.8	112.2



#65
Chlorobenzene
Concen: 0.319 ug/l
RT: 10.079 min Scan# 1475
Delta R.T. 0.000 min
Lab File: VX047447.D
Acq: 20 Aug 2025 16:52

Tgt Ion:112	Resp:	2846	
Ion	Ratio	Lower	Upper
112	100		
114	28.5	26.4	39.6

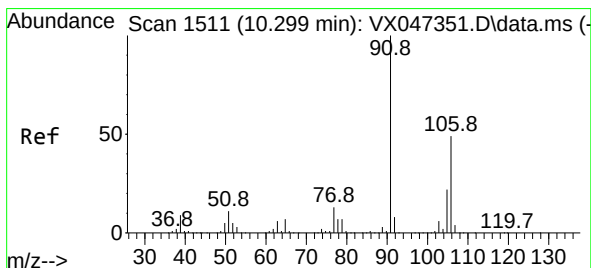
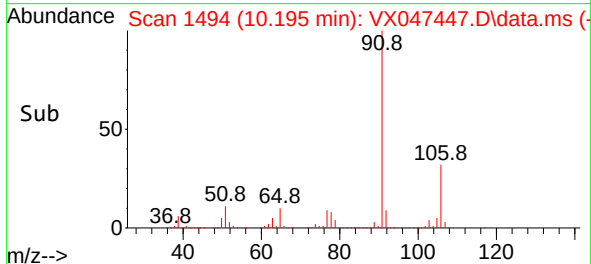
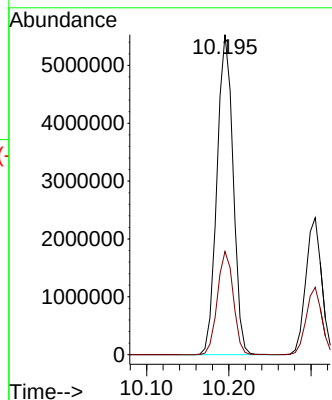
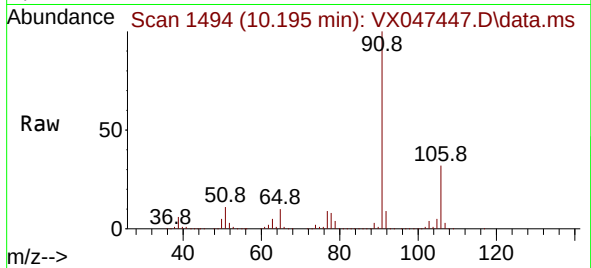




#67
Ethyl Benzene
Concen: 490.906 ug/l
RT: 10.195 min Scan# 1494
Delta R.T. 0.000 min
Lab File: VX047447.D
Acq: 20 Aug 2025 16:52

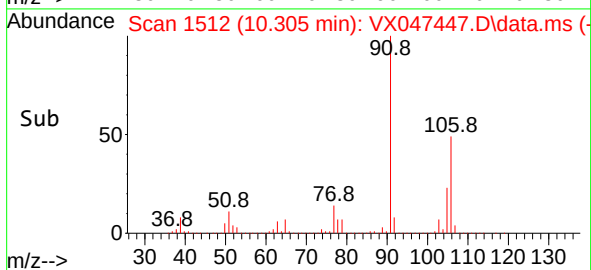
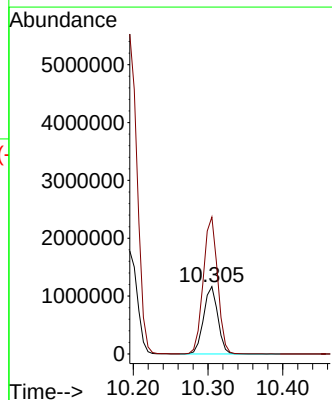
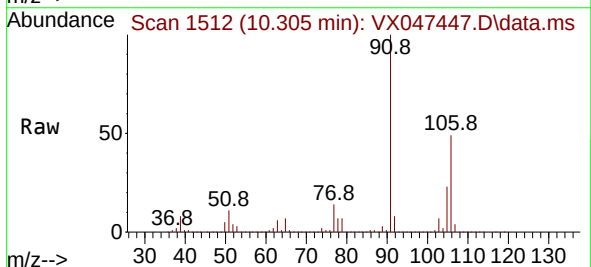
Instrument :
MSVOA_X
ClientSampleId :
MW-11C-081825

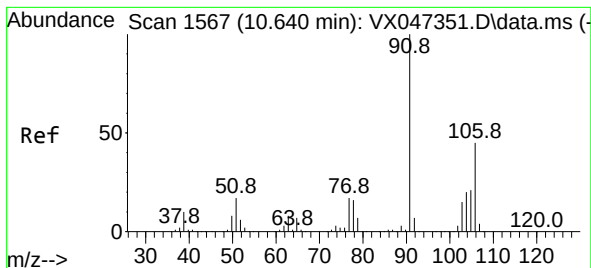
Tgt Ion: 91 Resp: 7538323
Ion Ratio Lower Upper
91 100
106 32.2 24.4 36.6



#68
m/p-Xylenes
Concen: 267.552 ug/l
RT: 10.305 min Scan# 1512
Delta R.T. 0.006 min
Lab File: VX047447.D
Acq: 20 Aug 2025 16:52

Tgt Ion:106 Resp: 1531967
Ion Ratio Lower Upper
106 100
91 205.9 164.7 247.1

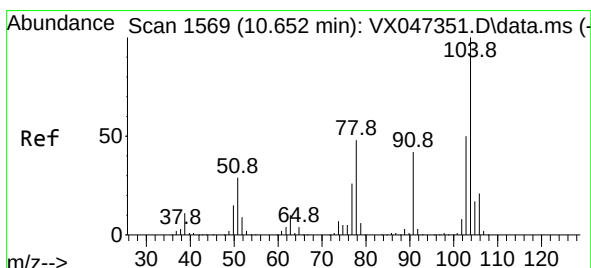
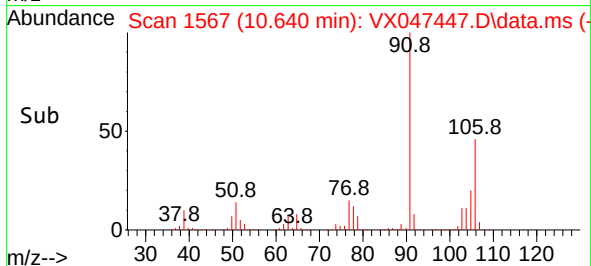
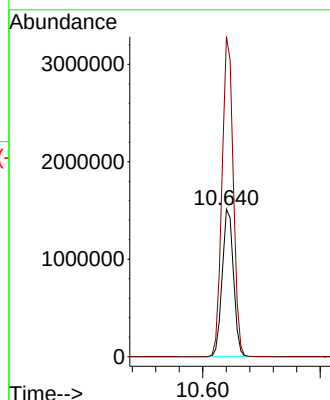
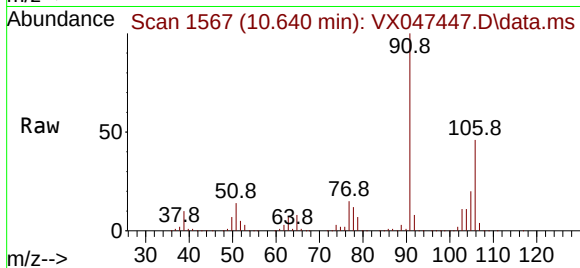




#69
o-Xylene
Concen: 366.022 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. 0.000 min
Lab File: VX047447.D
Acq: 20 Aug 2025 16:52

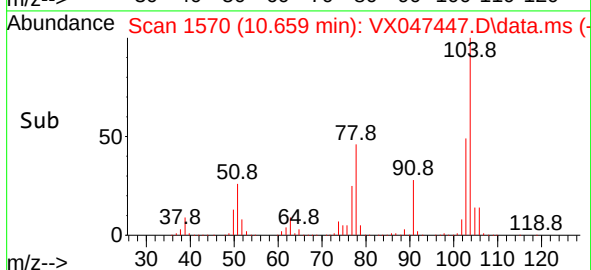
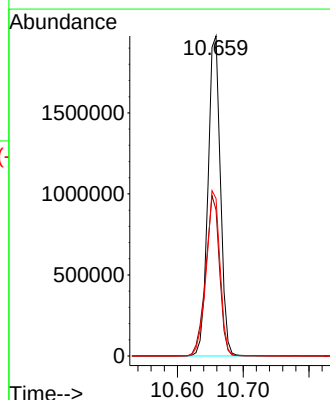
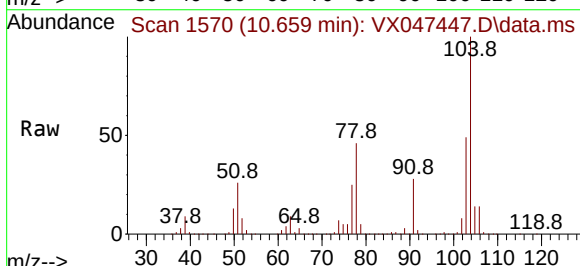
Instrument :
MSVOA_X
ClientSampleId :
MW-11C-081825

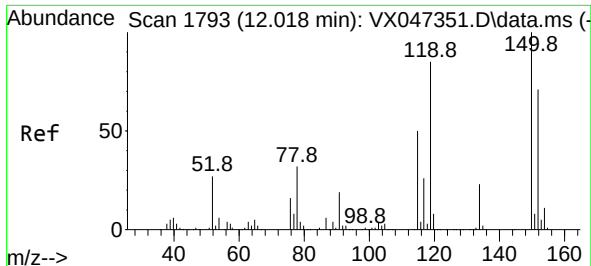
Tgt Ion:106 Resp: 2016861
Ion Ratio Lower Upper
106 100
91 216.3 110.6 331.8



#70
Styrene
Concen: 279.548 ug/l
RT: 10.659 min Scan# 1570
Delta R.T. 0.006 min
Lab File: VX047447.D
Acq: 20 Aug 2025 16:52

Tgt Ion:104 Resp: 2602706
Ion Ratio Lower Upper
104 100
78 55.6 41.8 62.8
103 56.9 43.6 65.4

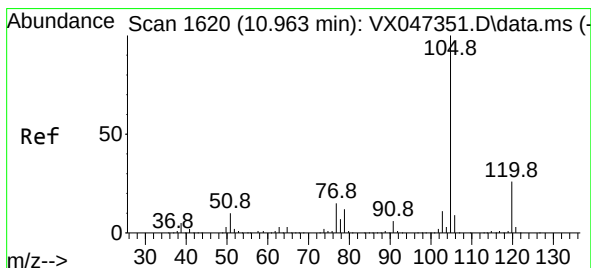
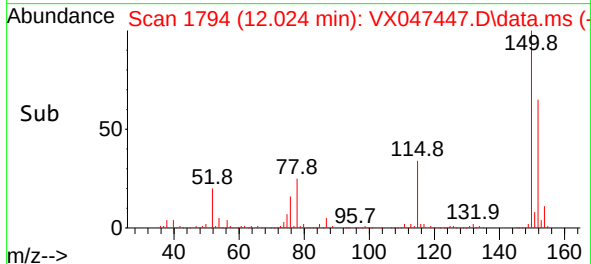
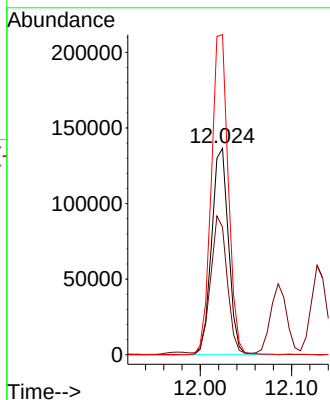
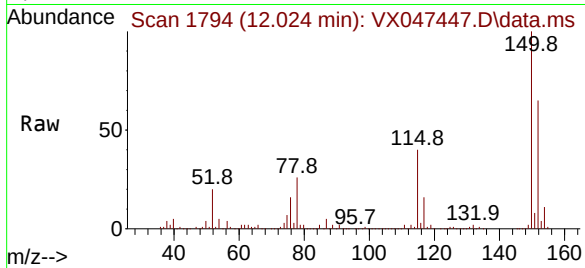




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1793
Delta R.T. 0.006 min
Lab File: VX047447.D
Acq: 20 Aug 2025 16:52

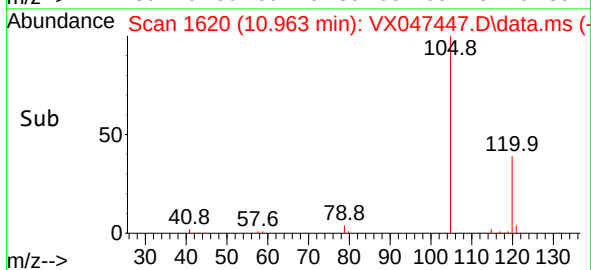
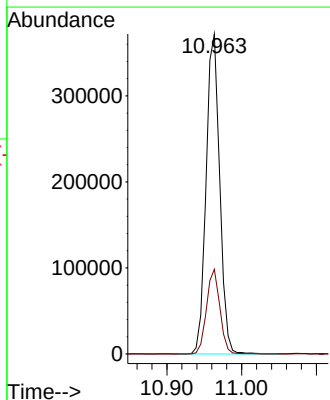
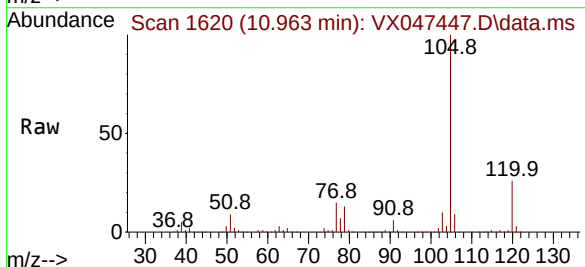
Instrument :
MSVOA_X
ClientSampleId :
MW-11C-081825

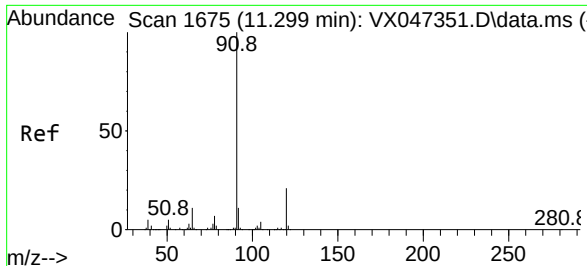
Tgt Ion:152 Resp: 174957
Ion Ratio Lower Upper
152 100
115 64.8 44.6 133.8
150 156.1 0.0 349.8



#73
Isopropylbenzene
Concen: 34.233 ug/l
RT: 10.963 min Scan# 1620
Delta R.T. 0.000 min
Lab File: VX047447.D
Acq: 20 Aug 2025 16:52

Tgt Ion:105 Resp: 468689
Ion Ratio Lower Upper
105 100
120 26.0 12.9 38.6

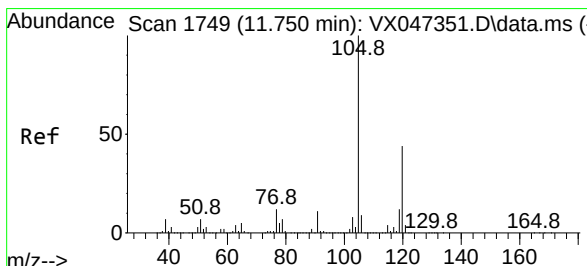
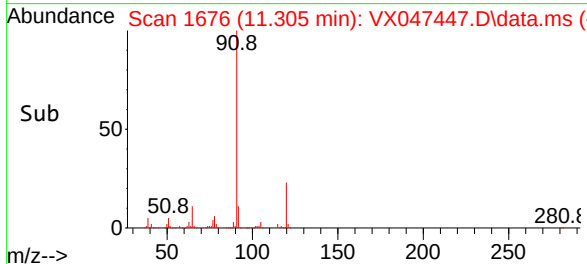
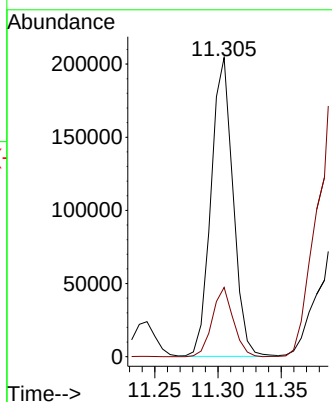
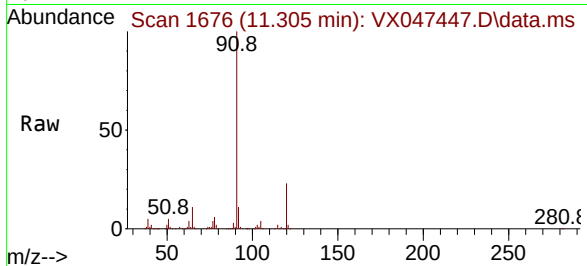




#78
n-propylbenzene
Concen: 15.118 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. 0.006 min
Lab File: VX047447.D
Acq: 20 Aug 2025 16:52

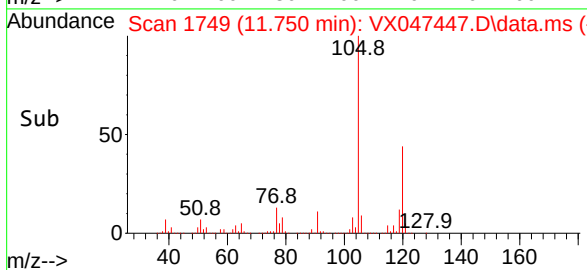
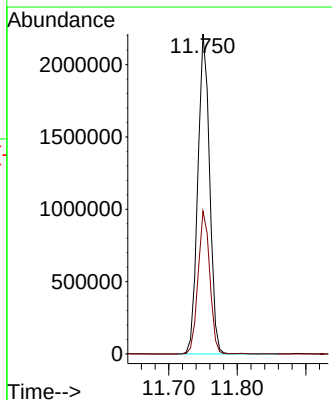
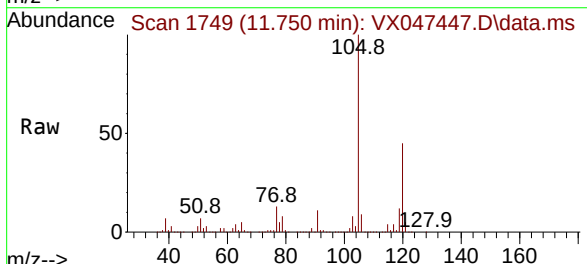
Instrument :
MSVOA_X
ClientSampleId :
MW-11C-081825

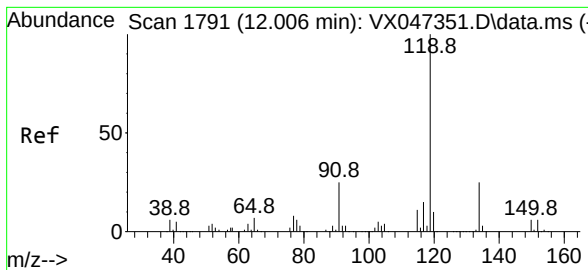
Tgt Ion: 91 Resp: 247205
Ion Ratio Lower Upper
91 100
120 22.1 11.0 33.0



#84
1,2,4-Trimethylbenzene
Concen: 235.056 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VX047447.D
Acq: 20 Aug 2025 16:52

Tgt Ion:105 Resp: 2647951
Ion Ratio Lower Upper
105 100
120 44.4 21.9 65.7





#86
 p-Isopropyltoluene
 Concen: 3.135 ug/l
 RT: 12.006 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: VX047447.D
 Acq: 20 Aug 2025 16:52

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-11C-081825

Tgt Ion:119	Resp:	36960
Ion Ratio	Lower	Upper
119	100	
134	27.4	12.8 38.4
91	46.4	12.4 37.4#

