

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW111825\
 Data File : VW032477.D
 Acq On : 18 Nov 2025 13:40
 Operator : SY/MD
 Sample : Q3638-03
 Misc : 3.00g/5mL/MSVOA_W/SOIL/A
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 MOO-25-0328

Quant Time: Nov 19 00:27:12 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W111025S.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 11 03:48:21 2025
 Response via : Initial Calibration

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

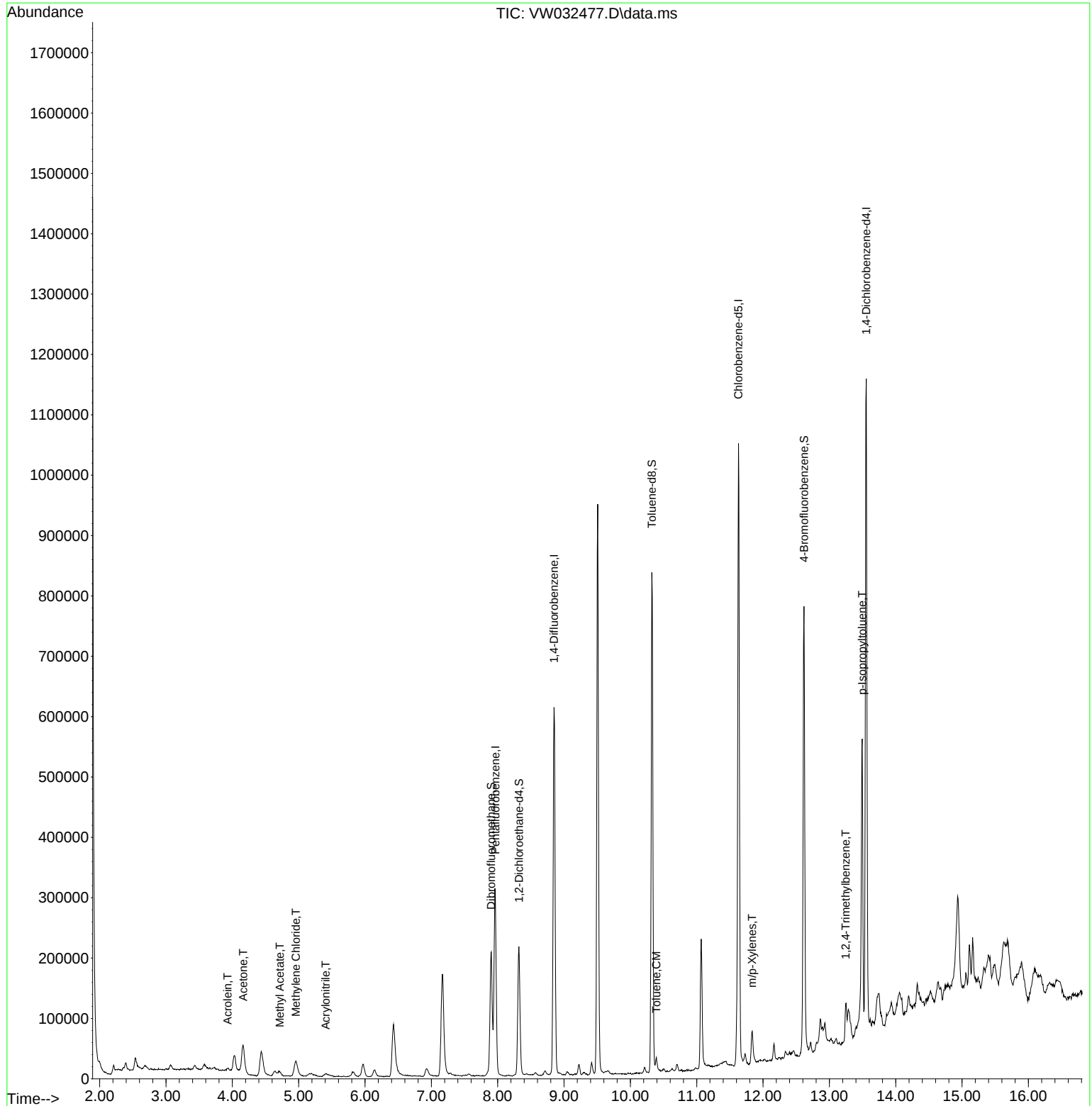
Internal Standards						
1) Pentafluorobenzene	7.965	168	218113	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.849	114	525090	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	557342	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	282797	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	169542	60.292	ug/l	0.00
Spiked Amount	50.000	Range 63 - 155	Recovery	= 120.580%		
35) Dibromofluoromethane	7.898	113	153315	48.767	ug/l	0.00
Spiked Amount	50.000	Range 70 - 134	Recovery	= 97.540%		
50) Toluene-d8	10.325	98	553394	45.884	ug/l	0.00
Spiked Amount	50.000	Range 74 - 123	Recovery	= 91.760%		
62) 4-Bromofluorobenzene	12.617	95	268391	58.908	ug/l	0.00
Spiked Amount	50.000	Range 17 - 146	Recovery	= 117.820%		
Target Compounds						
13) Acrolein	3.929	56	6321	15.494	ug/l	Qvalue 84
15) Acrylonitrile	5.405	53	7004	7.894	ug/l	97
16) Acetone	4.161	43	82219	97.731	ug/l	95
18) Methyl Acetate	4.716	43	13930	6.687	ug/l	94
20) Methylene Chloride	4.960	84	20982	6.974	ug/l	97
52) Toluene	10.392	92	9375	1.017	ug/l	88
68) m/p-Xylenes	11.837	106	16664	2.135	ug/l	94
84) 1,2,4-Trimethylbenzene	13.245	105	36021	2.067	ug/l	100
86) p-Isopropyltoluene	13.495	119	273505	14.922	ug/l	98

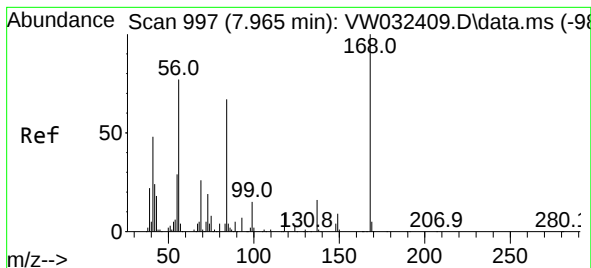
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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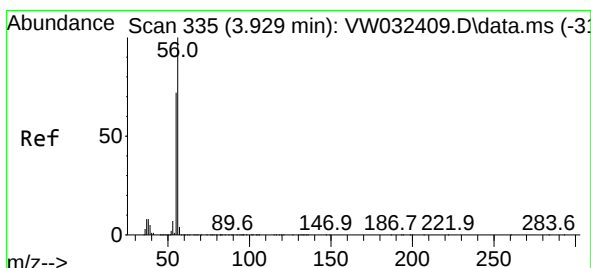
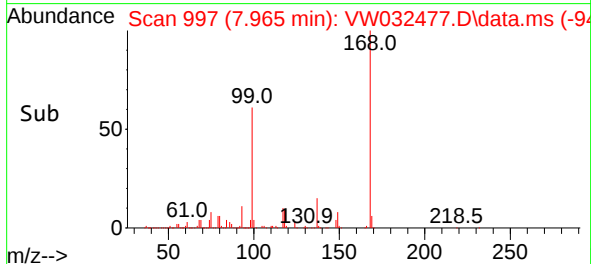
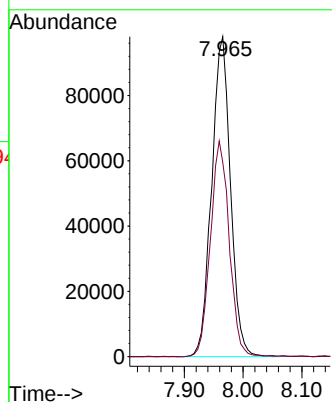
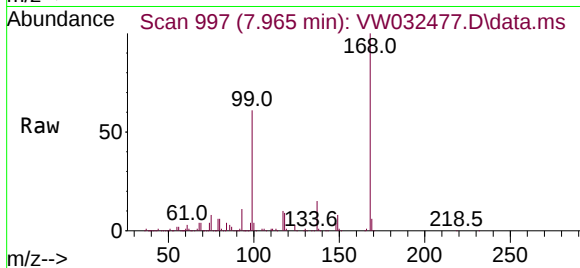




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.965 min Scan# 99
Delta R.T. 0.000 min
Lab File: VW032477.D
Acq: 18 Nov 2025 13:40

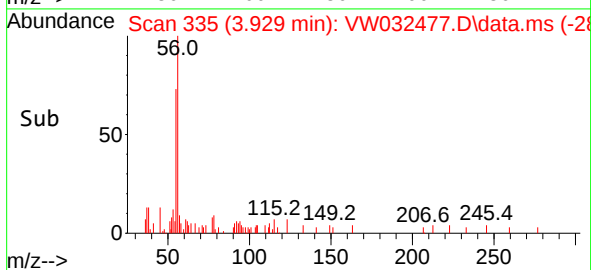
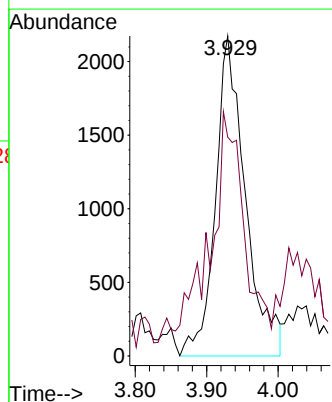
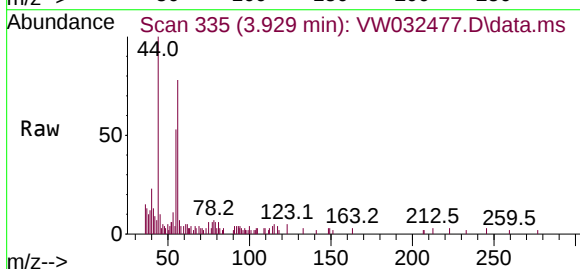
Instrument :
MSVOA_W
ClientSampleId :
MOO-25-0328

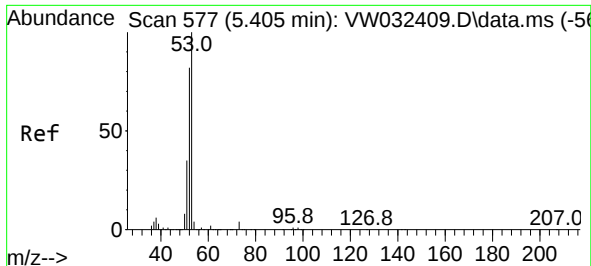
Tgt Ion:168 Resp: 218113
Ion Ratio Lower Upper
168 100
99 60.7 45.4 68.2



#13
Acrolein
Concen: 15.494 ug/l
RT: 3.929 min Scan# 335
Delta R.T. 0.000 min
Lab File: VW032477.D
Acq: 18 Nov 2025 13:40

Tgt Ion: 56 Resp: 6321
Ion Ratio Lower Upper
56 100
55 83.4 56.3 84.5

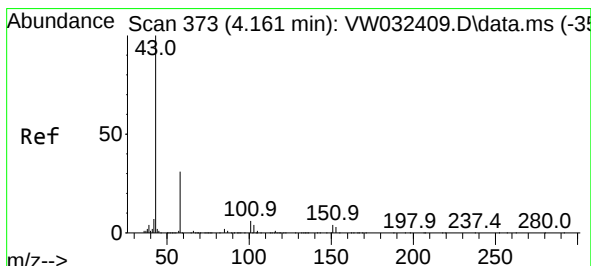
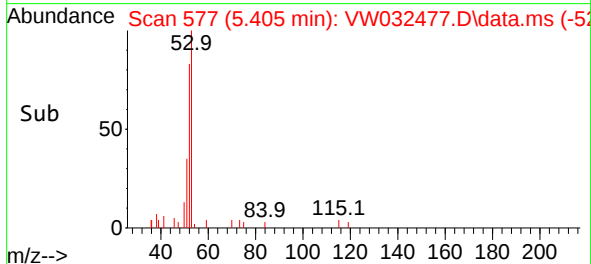
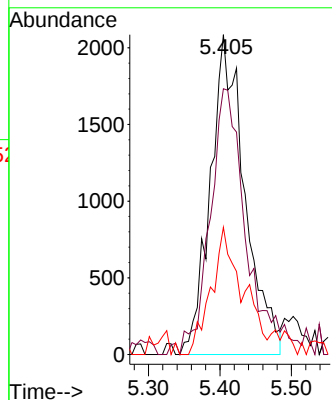
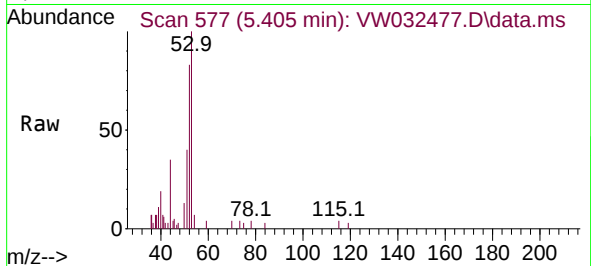




#15
Acrylonitrile
Concen: 7.894 ug/l
RT: 5.405 min Scan# 51
Delta R.T. 0.000 min
Lab File: VW032477.D
Acq: 18 Nov 2025 13:40

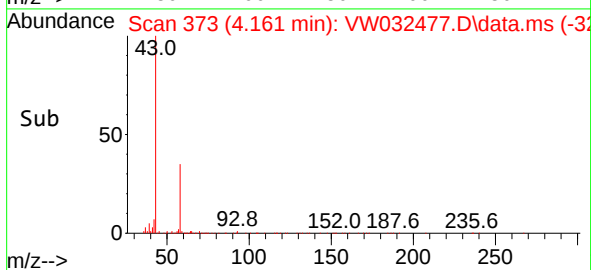
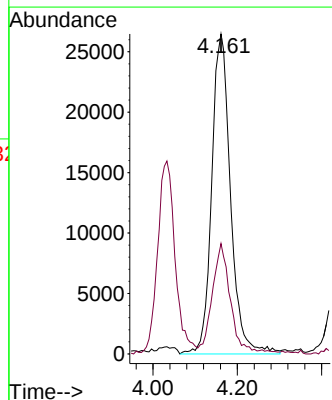
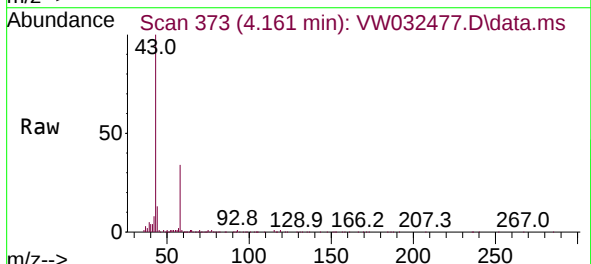
Instrument :
MSVOA_W
ClientSampleId :
MOO-25-0328

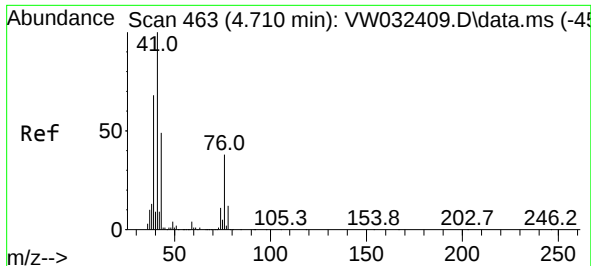
Tgt Ion:	53	Resp:	7004
Ion	Ratio	Lower	Upper
53	100		
52	87.0	66.4	99.6
51	36.2	28.6	43.0



#16
Acetone
Concen: 97.731 ug/l
RT: 4.161 min Scan# 373
Delta R.T. 0.000 min
Lab File: VW032477.D
Acq: 18 Nov 2025 13:40

Tgt Ion:	43	Resp:	82219
Ion	Ratio	Lower	Upper
43	100		
58	33.9	24.8	37.2

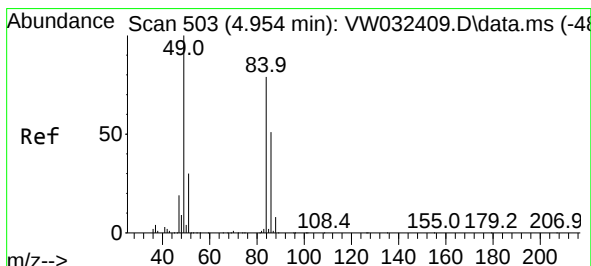
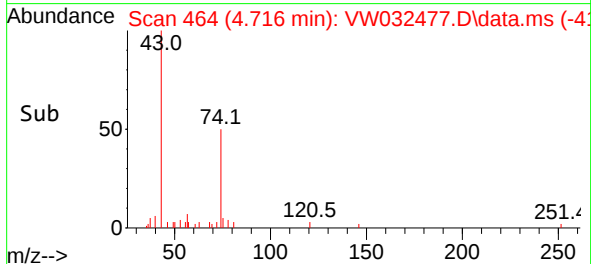
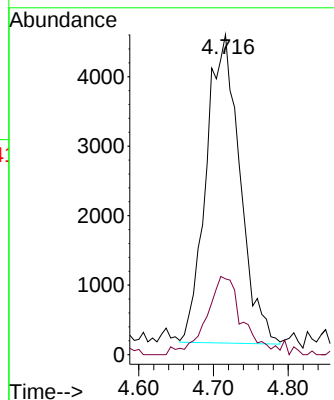
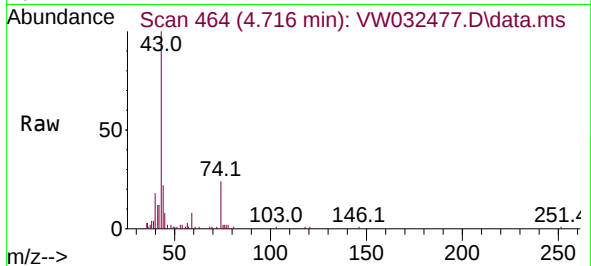




#18
Methyl Acetate
Concen: 6.687 ug/l
RT: 4.716 min Scan# 463
Delta R.T. 0.006 min
Lab File: VW032477.D
Acq: 18 Nov 2025 13:40

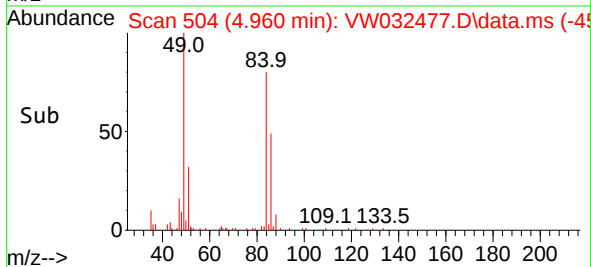
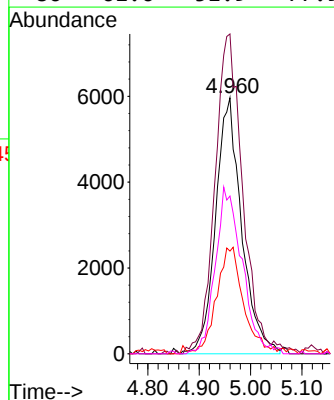
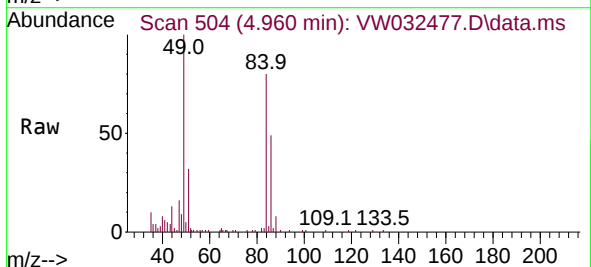
Instrument :
MSVOA_W
ClientSampleId :
MOO-25-0328

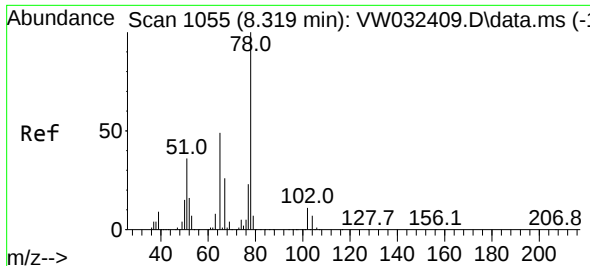
Tgt Ion: 43 Resp: 13930
Ion Ratio Lower Upper
43 100
74 26.5 18.9 28.3



#20
Methylene Chloride
Concen: 6.974 ug/l
RT: 4.960 min Scan# 504
Delta R.T. 0.006 min
Lab File: VW032477.D
Acq: 18 Nov 2025 13:40

Tgt Ion: 84 Resp: 20982
Ion Ratio Lower Upper
84 100
49 124.9 101.5 152.3
51 40.1 30.6 46.0
86 61.6 51.9 77.9

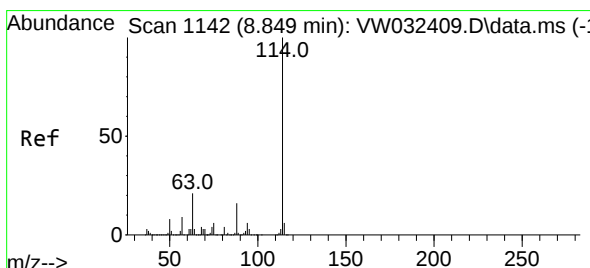
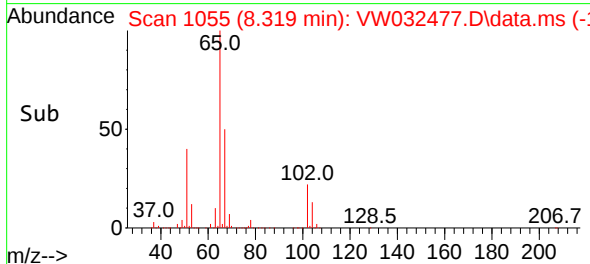
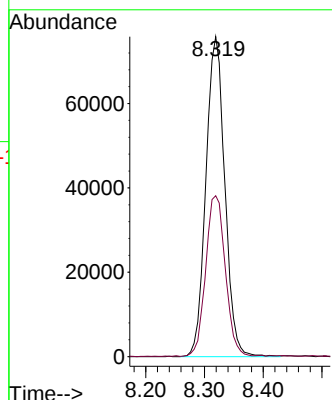
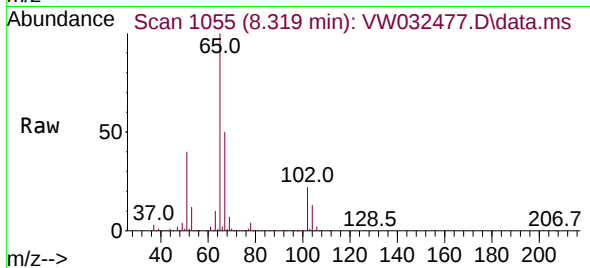




#33
 1,2-Dichloroethane-d4
 Concen: 60.292 ug/l
 RT: 8.319 min Scan# 1055
 Delta R.T. 0.000 min
 Lab File: VW032477.D
 Acq: 18 Nov 2025 13:40

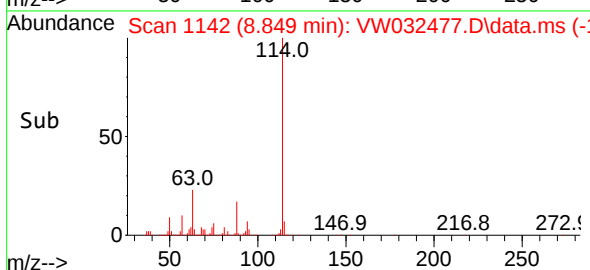
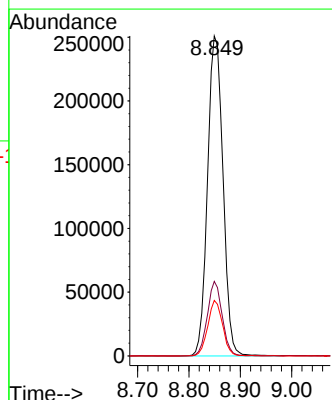
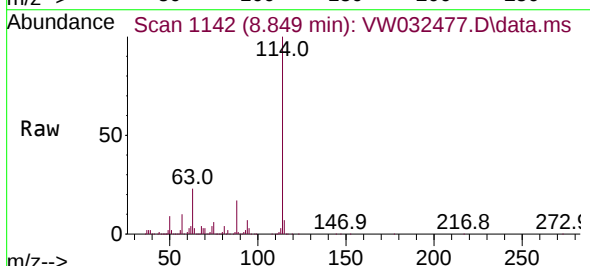
Instrument :
 MSVOA_W
 ClientSampleId :
 MOO-25-0328

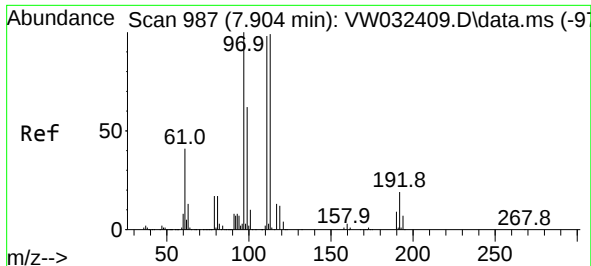
Tgt Ion: 65 Resp: 169542
 Ion Ratio Lower Upper
 65 100
 67 52.0 0.0 106.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.849 min Scan# 1142
 Delta R.T. 0.000 min
 Lab File: VW032477.D
 Acq: 18 Nov 2025 13:40

Tgt Ion: 114 Resp: 525090
 Ion Ratio Lower Upper
 114 100
 63 23.3 0.0 41.8
 88 17.3 0.0 32.6





#35

Dibromofluoromethane

Concen: 48.767 ug/l

RT: 7.898 min Scan# 986

Delta R.T. -0.006 min

Lab File: VW032477.D

Acq: 18 Nov 2025 13:40

Instrument :

MSVOA_W

ClientSampleId :

MOO-25-0328

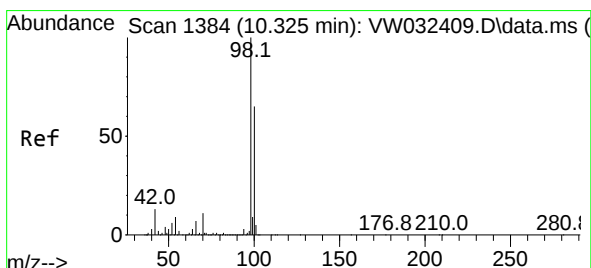
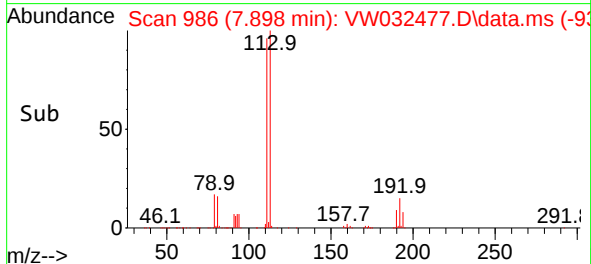
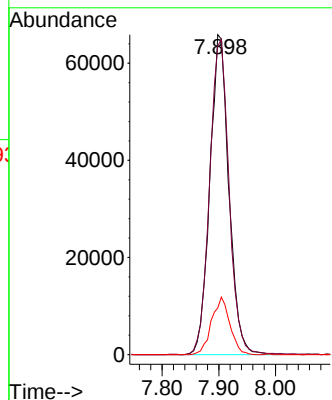
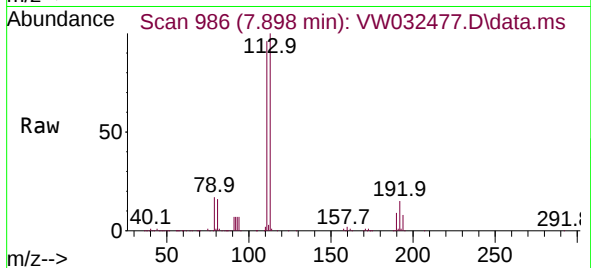
Tgt Ion:113 Resp: 153315

Ion Ratio Lower Upper

113 100

111 100.7 83.1 124.7

192 17.2 13.4 20.2



#50

Toluene-d8

Concen: 45.884 ug/l

RT: 10.325 min Scan# 1384

Delta R.T. 0.000 min

Lab File: VW032477.D

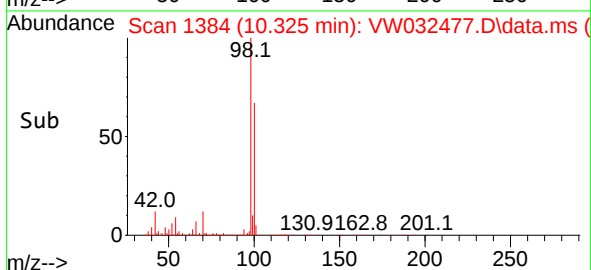
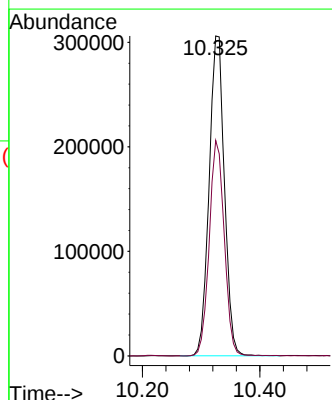
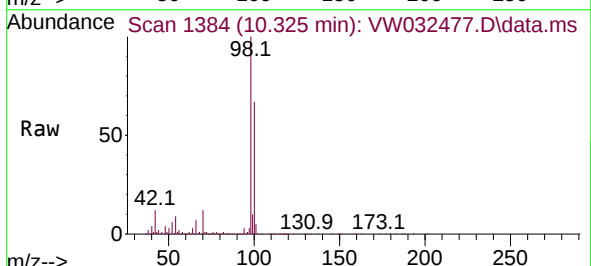
Acq: 18 Nov 2025 13:40

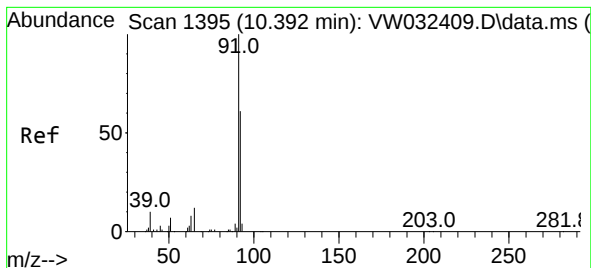
Tgt Ion: 98 Resp: 553394

Ion Ratio Lower Upper

98 100

100 66.2 53.3 79.9





#52

Toluene

Concen: 1.017 ug/l

RT: 10.392 min Scan# 1395

Delta R.T. 0.000 min

Lab File: VW032477.D

Acq: 18 Nov 2025 13:40

Instrument :

MSVOA_W

ClientSampleId :

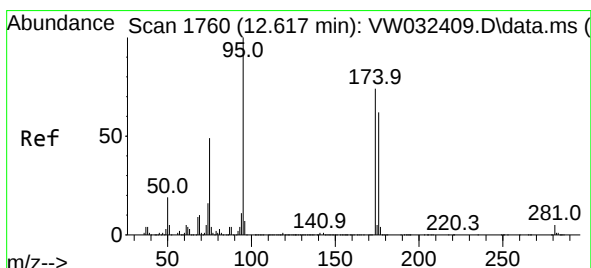
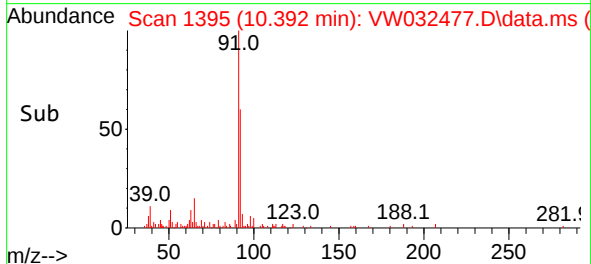
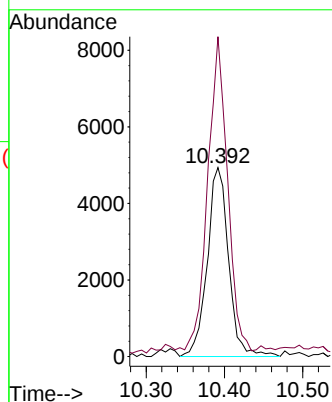
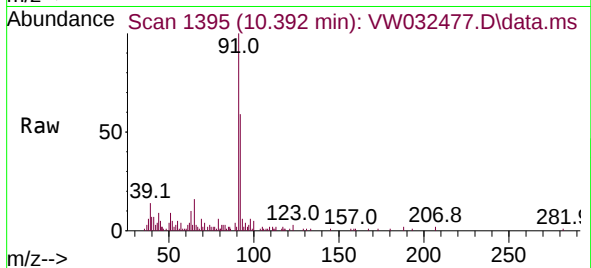
MOO-25-0328

Tgt Ion: 92 Resp: 9375

Ion Ratio Lower Upper

92 100

91 153.7 136.6 205.0



#62

4-Bromofluorobenzene

Concen: 58.908 ug/l

RT: 12.617 min Scan# 1760

Delta R.T. 0.000 min

Lab File: VW032477.D

Acq: 18 Nov 2025 13:40

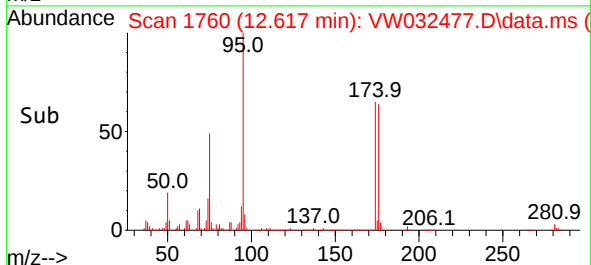
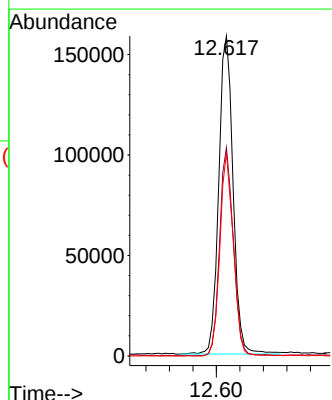
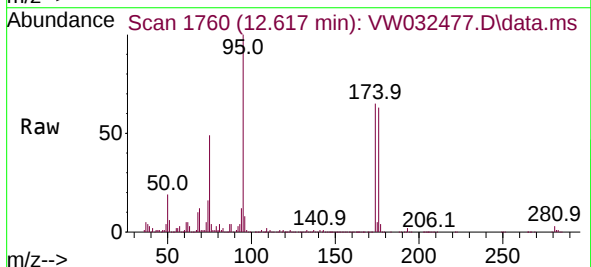
Tgt Ion: 95 Resp: 268391

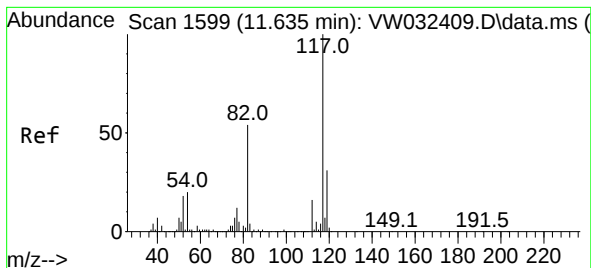
Ion Ratio Lower Upper

95 100

174 62.5 0.0 135.4

176 59.9 0.0 131.8

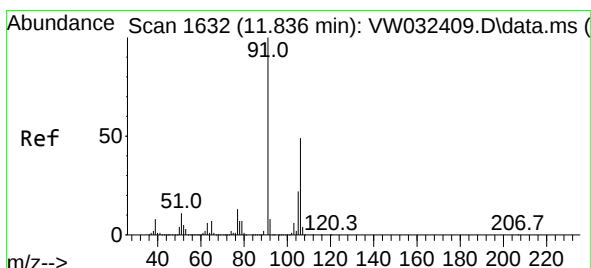
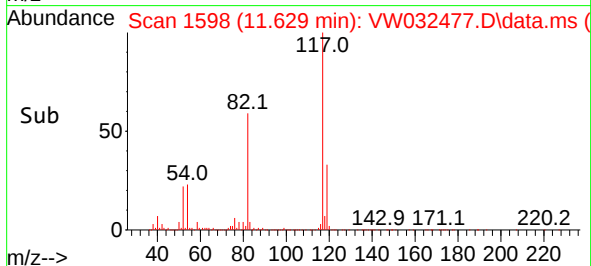
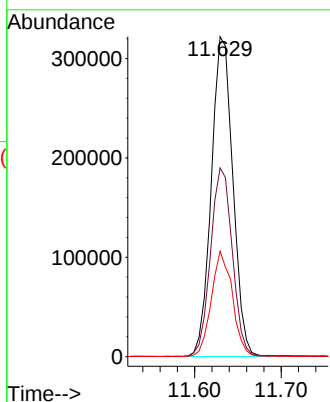
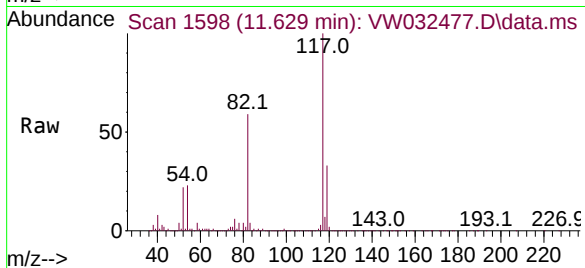




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.629 min Scan# 11
Delta R.T. -0.006 min
Lab File: VW032477.D
Acq: 18 Nov 2025 13:40

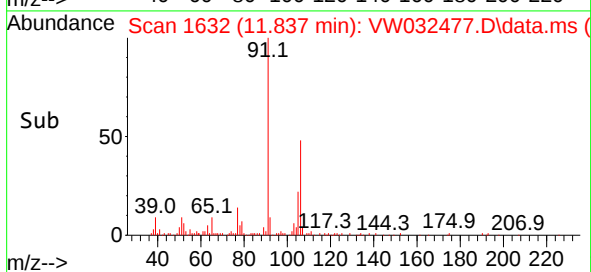
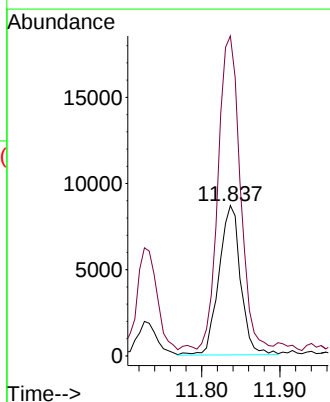
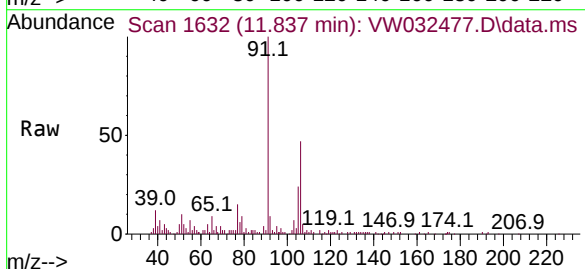
Instrument :
MSVOA_W
ClientSampleId :
MOO-25-0328

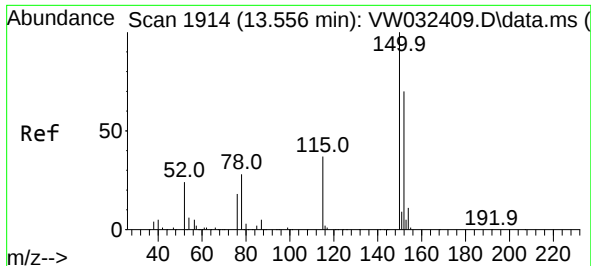
Tgt Ion:117 Resp: 557342
Ion Ratio Lower Upper
117 100
82 58.9 43.0 64.4
119 32.9 25.0 37.6



#68
m/p-Xylenes
Concen: 2.135 ug/l
RT: 11.837 min Scan# 1632
Delta R.T. 0.000 min
Lab File: VW032477.D
Acq: 18 Nov 2025 13:40

Tgt Ion:106 Resp: 16664
Ion Ratio Lower Upper
106 100
91 215.9 165.5 248.3

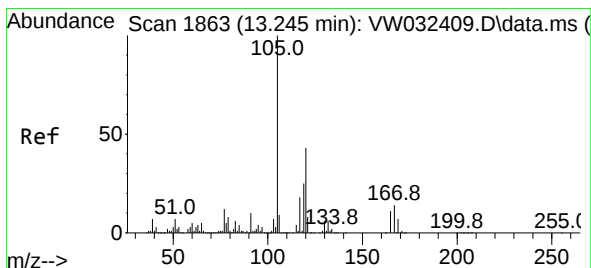
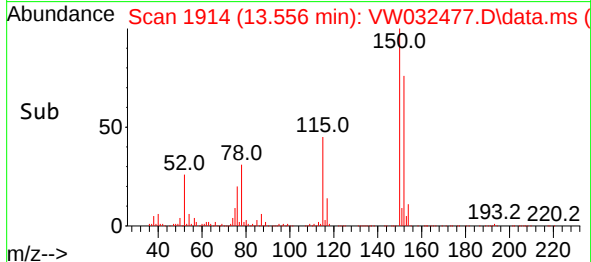
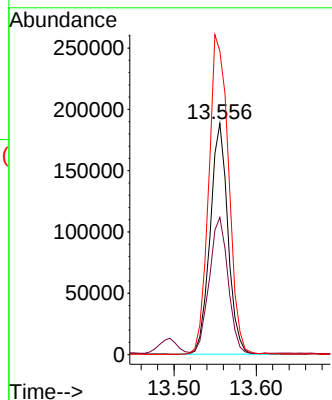
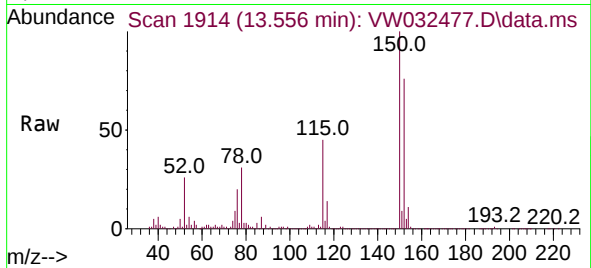




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.556 min Scan# 1914
 Delta R.T. 0.000 min
 Lab File: VW032477.D
 Acq: 18 Nov 2025 13:40

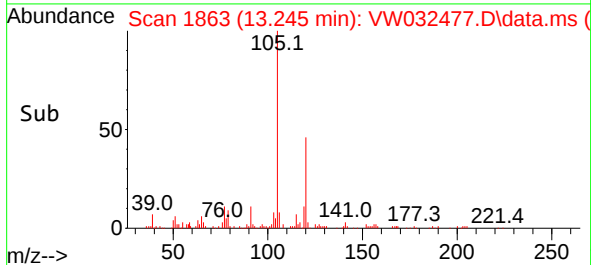
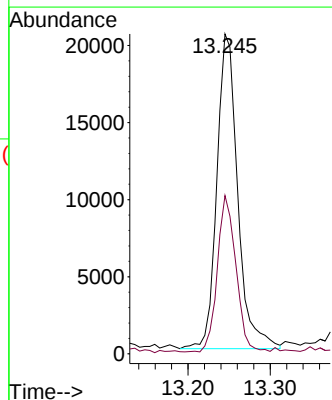
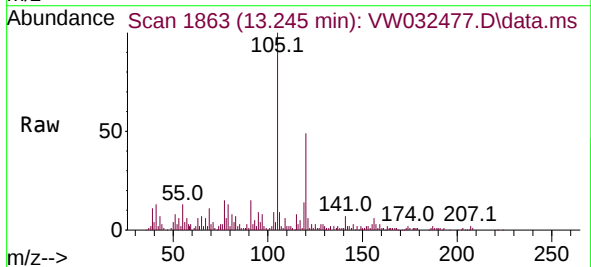
Instrument :
 MSVOA_W
 ClientSampleId :
 MOO-25-0328

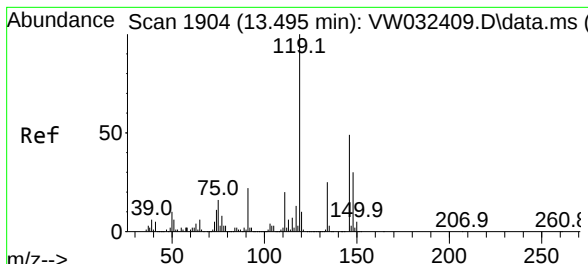
Tgt Ion:152 Resp: 282797
 Ion Ratio Lower Upper
 152 100
 115 62.2 32.8 98.3
 150 154.7 0.0 356.6



#84
 1,2,4-Trimethylbenzene
 Concen: 2.067 ug/l
 RT: 13.245 min Scan# 1863
 Delta R.T. 0.000 min
 Lab File: VW032477.D
 Acq: 18 Nov 2025 13:40

Tgt Ion:105 Resp: 36021
 Ion Ratio Lower Upper
 105 100
 120 44.0 22.1 66.5





#86
 p-Isopropyltoluene
 Concen: 14.922 ug/l
 RT: 13.495 min Scan# 1904
 Delta R.T. 0.000 min
 Lab File: VW032477.D
 Acq: 18 Nov 2025 13:40

Instrument : MSVOA_W
 ClientSampleId : MOO-25-0328

Tgt Ion:	119	Resp:	273505
Ion	Ratio	Lower	Upper
119	100		
134	25.0	12.7	38.1
91	24.9	11.9	35.5

