

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW111725\
 Data File : VW032462.D
 Acq On : 17 Nov 2025 16:45
 Operator : SY/MD
 Sample : Q3648-01
 Misc : 5.69g/5mL/MSVOA_W/SOIL/A
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 OR-02-111425

Quant Time: Nov 18 03:06:50 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)

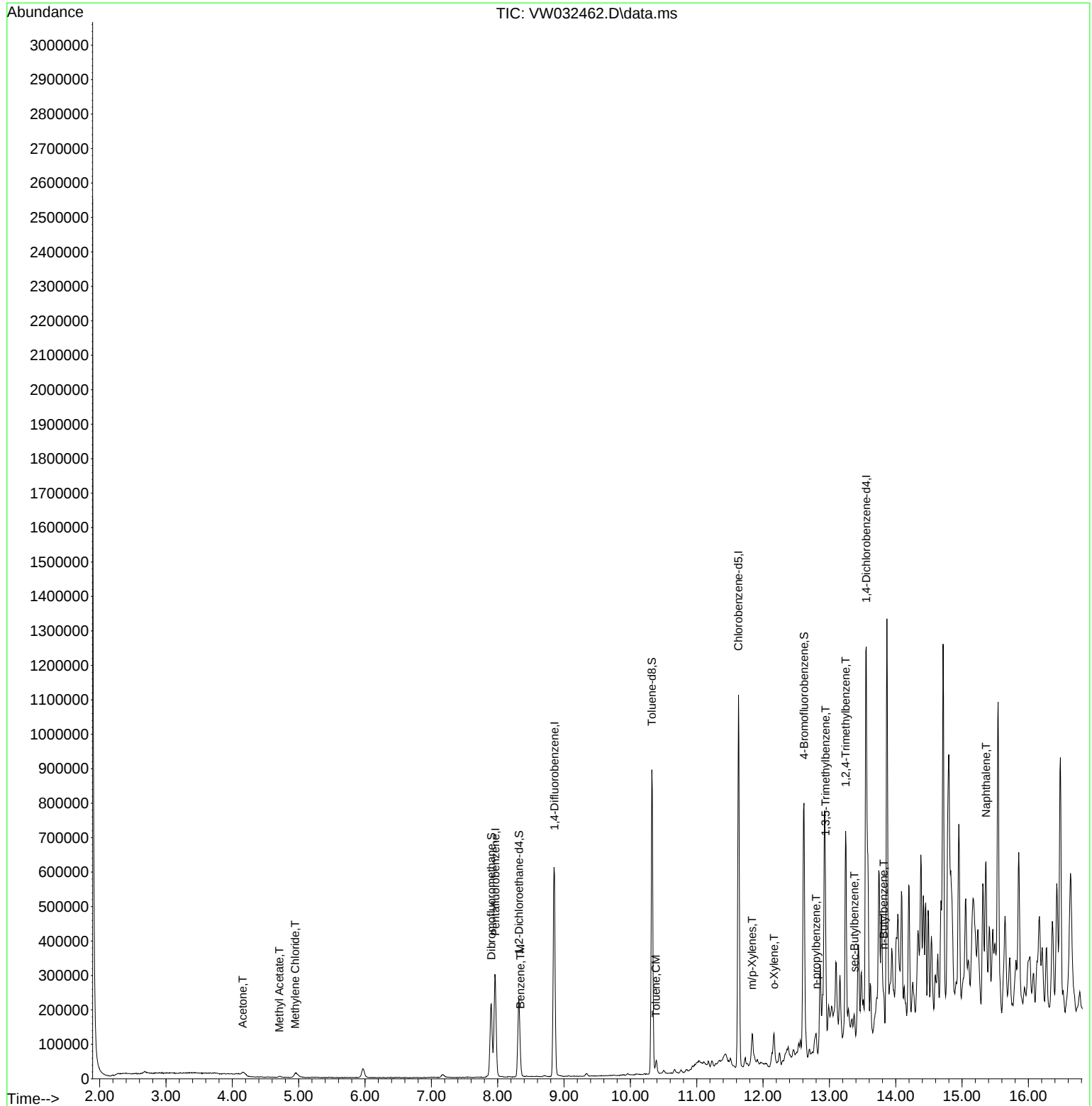
Internal Standards						
1) Pentafluorobenzene	7.965	168	207770	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	516657	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	579293	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	279437	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	170163	63.526	ug/l	0.00
Spiked Amount	50.000	Range	63 - 155	Recovery	= 127.060%	
35) Dibromofluoromethane	7.904	113	157651	50.965	ug/l	0.00
Spiked Amount	50.000	Range	70 - 134	Recovery	= 101.920%	
50) Toluene-d8	10.325	98	569918	48.025	ug/l	0.00
Spiked Amount	50.000	Range	74 - 123	Recovery	= 96.040%	
62) 4-Bromofluorobenzene	12.617	95	236503	52.756	ug/l	0.00
Spiked Amount	50.000	Range	17 - 146	Recovery	= 105.520%	
Target Compounds						
						Qvalue
16) Acetone	4.155	43	10064	12.558	ug/l	96
18) Methyl Acetate	4.710	43	6977	3.516	ug/l	95
20) Methylene Chloride	4.947	84	11154	3.892	ug/l	91
40) Benzene	8.343	78	21441	1.461	ug/l	96
52) Toluene	10.386	92	16157m	1.782	ug/l	
68) m/p-Xylenes	11.836	106	15693	1.935	ug/l	99
69) o-Xylene	12.166	106	22409	2.885	ug/l	99
78) n-propylbenzene	12.800	91	50166	2.007	ug/l	97
80) 1,3,5-Trimethylbenzene	12.940	105	144222	8.518	ug/l	96
84) 1,2,4-Trimethylbenzene	13.245	105	332563	19.311	ug/l	97
85) sec-Butylbenzene	13.379	105	39151	1.785	ug/l #	76
89) n-Butylbenzene	13.818	91	51245	2.896	ug/l #	75
95) Naphthalene	15.360	128	340420	25.365	ug/l	98

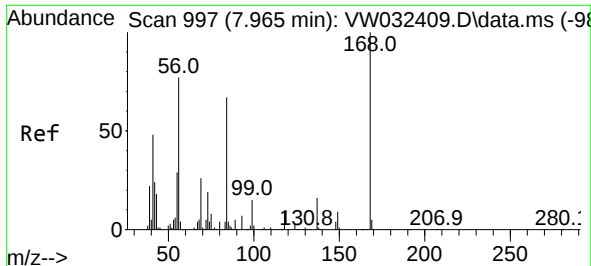
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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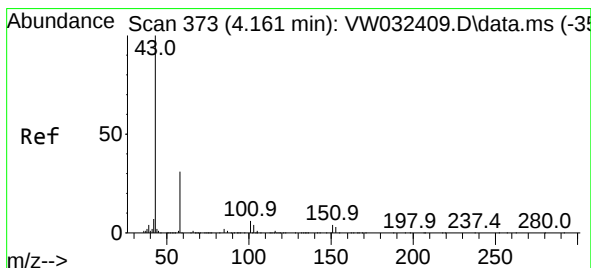
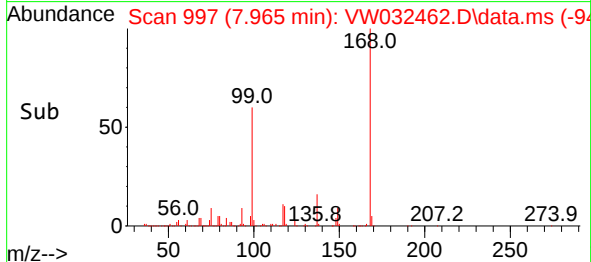
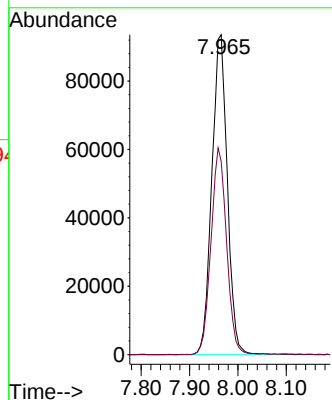
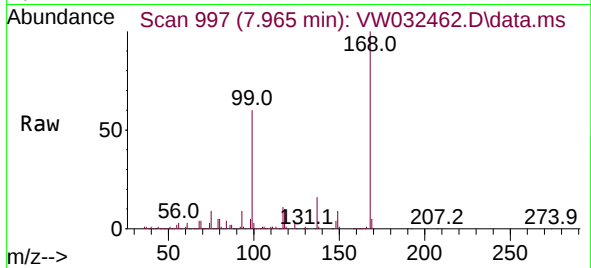




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.965 min Scan# 997
Delta R.T. 0.000 min
Lab File: VW032462.D
Acq: 17 Nov 2025 16:45

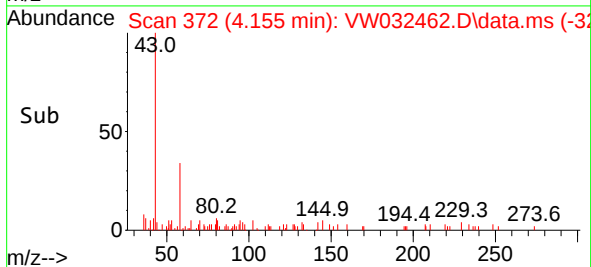
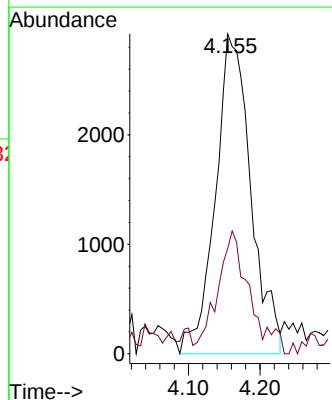
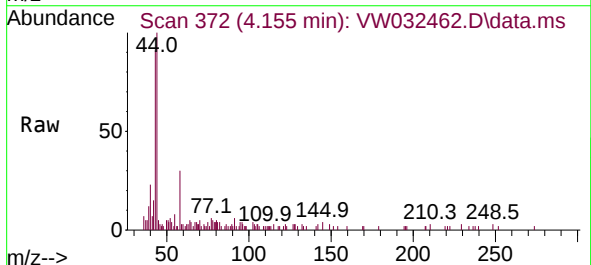
Instrument :
MSVOA_W
ClientSampleId :
OR-02-111425

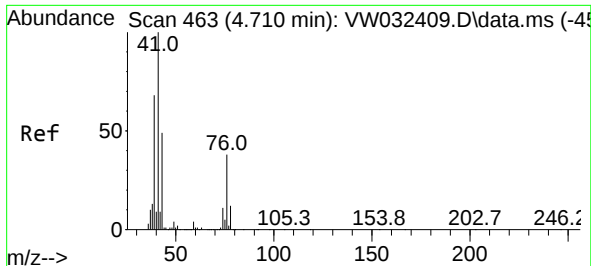
Tgt Ion:168 Resp: 207770
Ion Ratio Lower Upper
168 100
99 60.4 45.4 68.2



#16
Acetone
Concen: 12.558 ug/l
RT: 4.155 min Scan# 372
Delta R.T. -0.006 min
Lab File: VW032462.D
Acq: 17 Nov 2025 16:45

Tgt Ion: 43 Resp: 10064
Ion Ratio Lower Upper
43 100
58 29.1 24.8 37.2

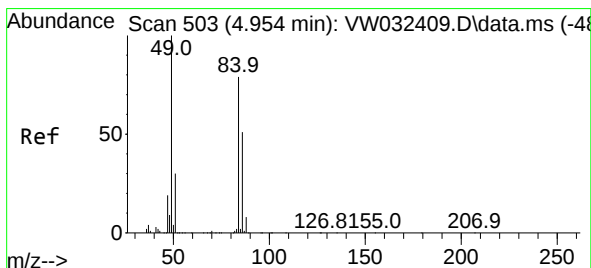
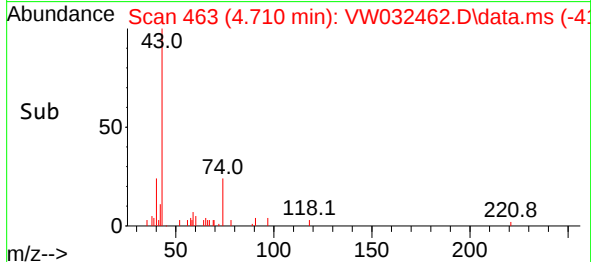
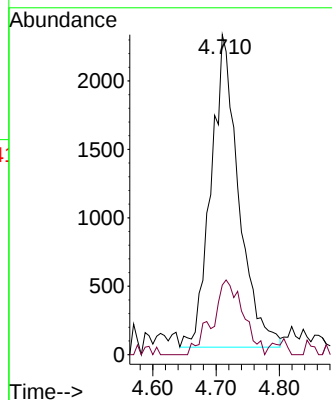
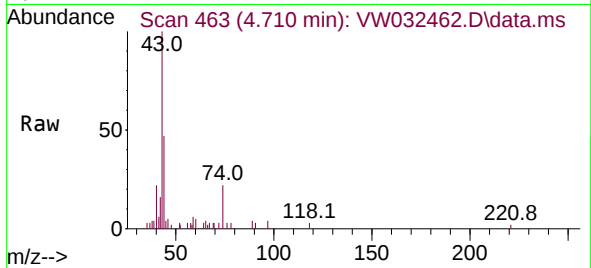




#18
Methyl Acetate
Concen: 3.516 ug/l
RT: 4.710 min Scan# 463
Delta R.T. -0.000 min
Lab File: VW032462.D
Acq: 17 Nov 2025 16:45

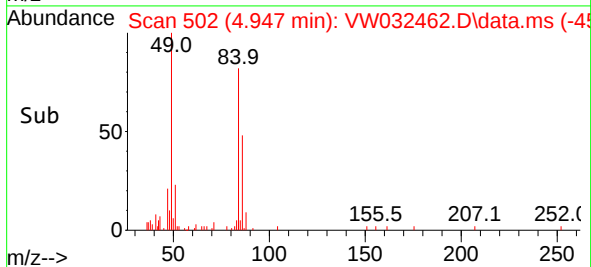
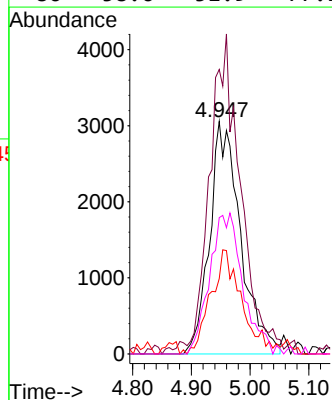
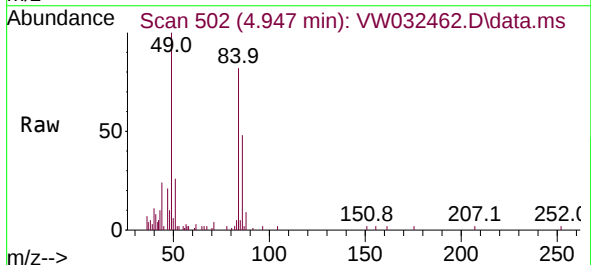
Instrument :
MSVOA_W
ClientSampleId :
OR-02-111425

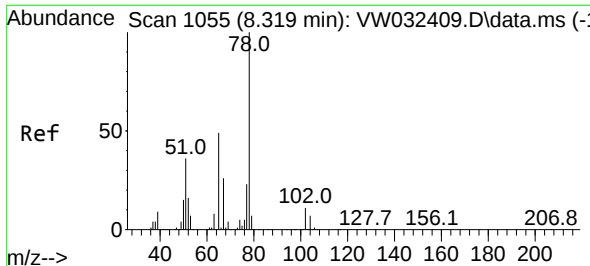
Tgt Ion: 43 Resp: 6977
Ion Ratio Lower Upper
43 100
74 26.2 18.9 28.3



#20
Methylene Chloride
Concen: 3.892 ug/l
RT: 4.947 min Scan# 502
Delta R.T. -0.006 min
Lab File: VW032462.D
Acq: 17 Nov 2025 16:45

Tgt Ion: 84 Resp: 11154
Ion Ratio Lower Upper
84 100
49 117.0 101.5 152.3
51 32.4 30.6 46.0
86 58.6 51.9 77.9

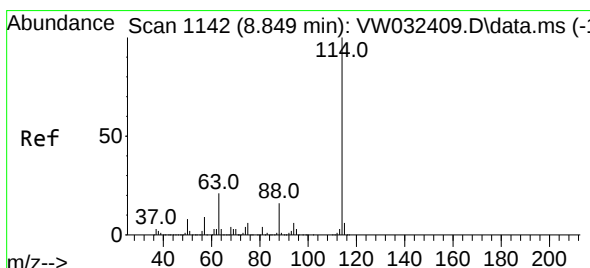
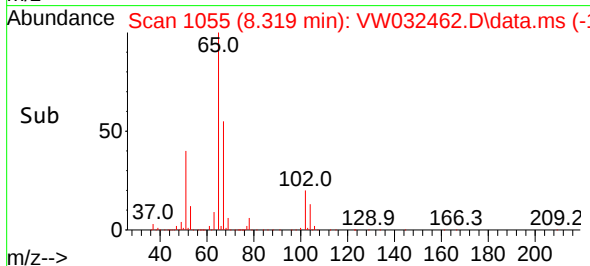
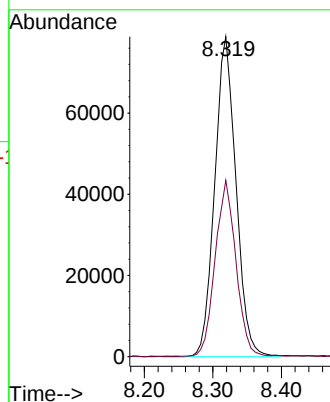
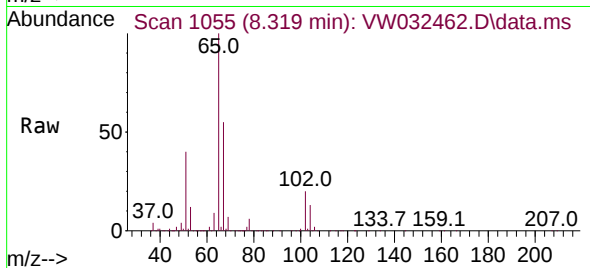




#33
 1,2-Dichloroethane-d4
 Concen: 63.526 ug/l
 RT: 8.319 min Scan# 1055
 Delta R.T. -0.000 min
 Lab File: VW032462.D
 Acq: 17 Nov 2025 16:45

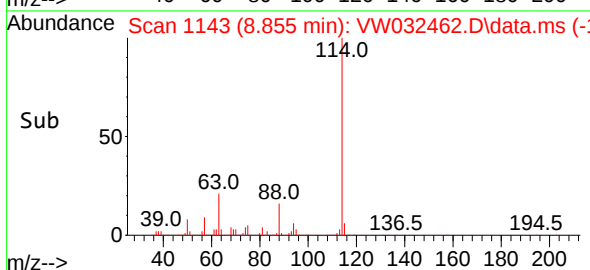
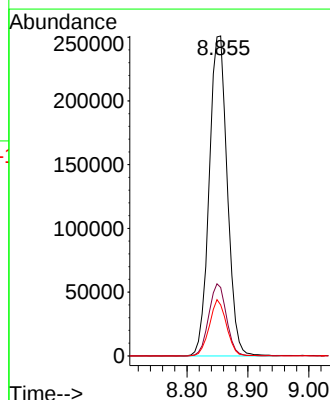
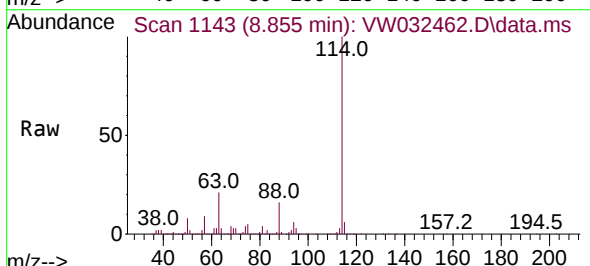
Instrument : MSVOA_W
 ClientSampleId : OR-02-111425

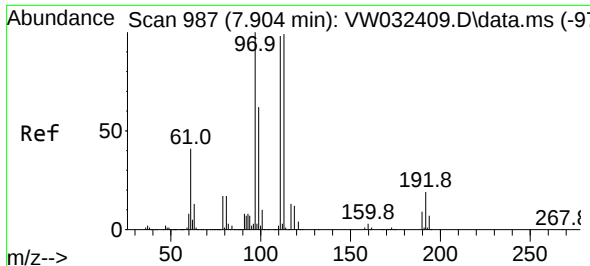
Tgt Ion: 65 Resp: 170163
 Ion Ratio Lower Upper
 65 100
 67 53.6 0.0 106.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.855 min Scan# 1143
 Delta R.T. 0.006 min
 Lab File: VW032462.D
 Acq: 17 Nov 2025 16:45

Tgt Ion: 114 Resp: 516657
 Ion Ratio Lower Upper
 114 100
 63 21.4 0.0 41.8
 88 16.0 0.0 32.6

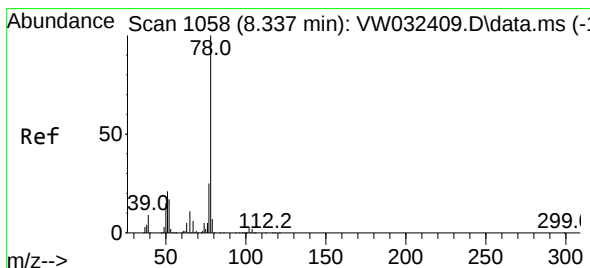
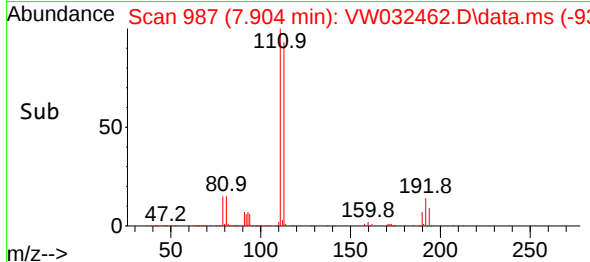
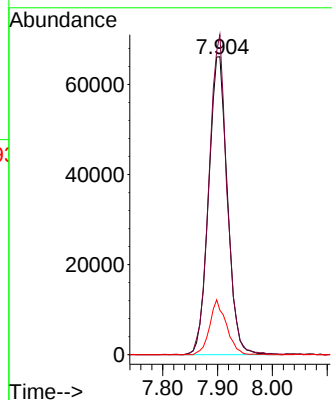
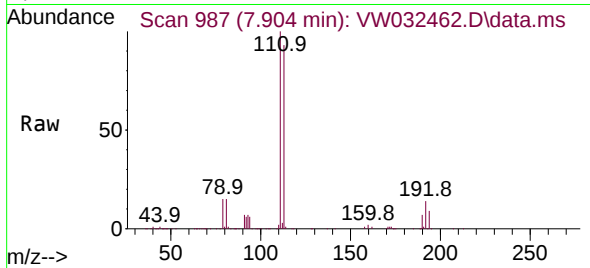




#35
Dibromofluoromethane
Concen: 50.965 ug/l
RT: 7.904 min Scan# 987
Delta R.T. -0.000 min
Lab File: VW032462.D
Acq: 17 Nov 2025 16:45

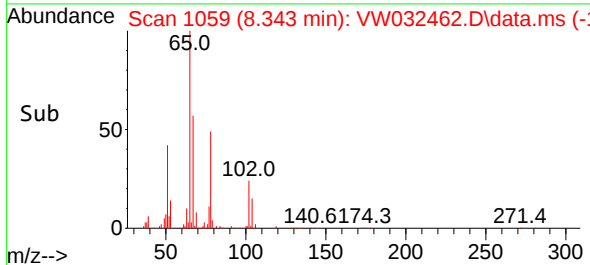
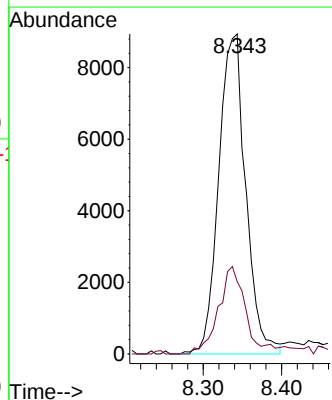
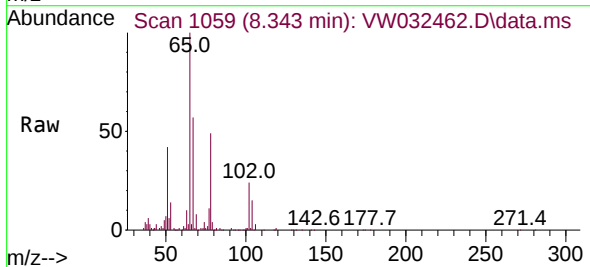
Instrument :
MSVOA_W
ClientSampleId :
OR-02-111425

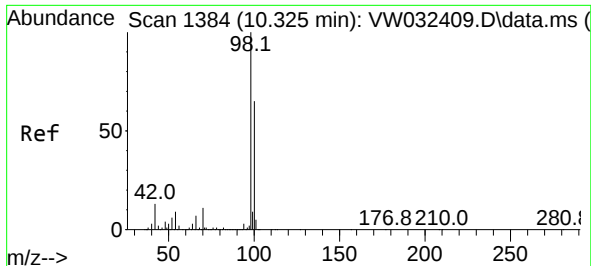
Tgt Ion:113 Resp: 157651
Ion Ratio Lower Upper
113 100
111 103.0 83.1 124.7
192 16.4 13.4 20.2



#40
Benzene
Concen: 1.461 ug/l
RT: 8.343 min Scan# 1059
Delta R.T. 0.006 min
Lab File: VW032462.D
Acq: 17 Nov 2025 16:45

Tgt Ion: 78 Resp: 21441
Ion Ratio Lower Upper
78 100
77 22.6 19.6 29.4

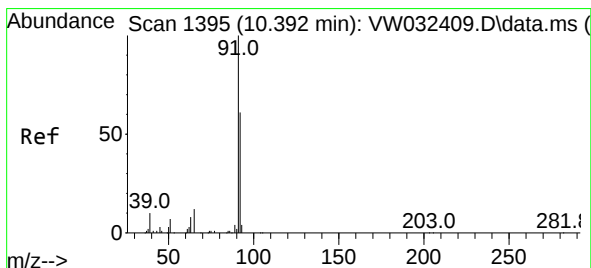
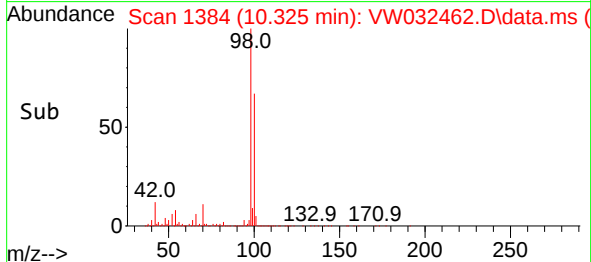
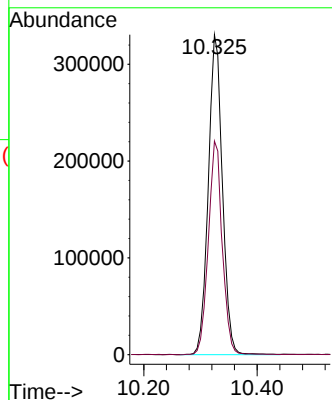
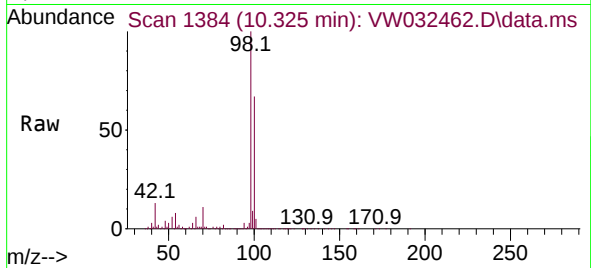




#50
Toluene-d8
Concen: 48.025 ug/l
RT: 10.325 min Scan# 1384
Delta R.T. -0.000 min
Lab File: VW032462.D
Acq: 17 Nov 2025 16:45

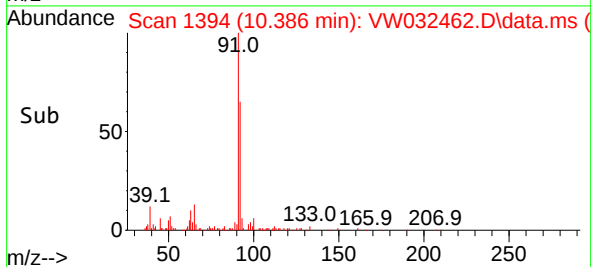
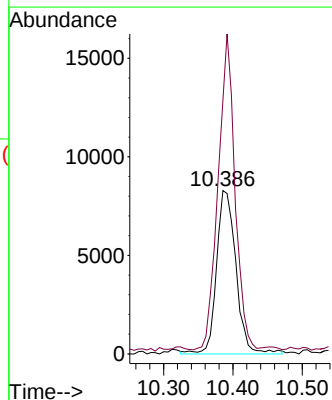
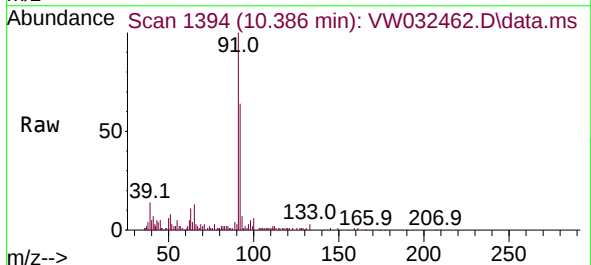
Instrument :
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ClientSampleId :
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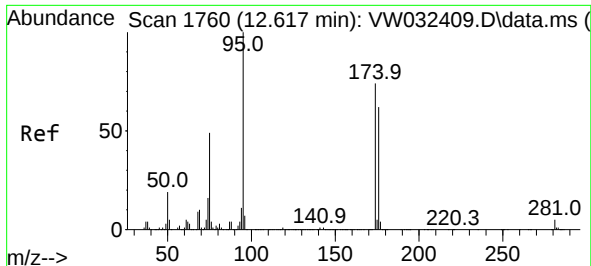
Tgt Ion: 98 Resp: 569918
Ion Ratio Lower Upper
98 100
100 65.8 53.3 79.9



#52
Toluene
Concen: 1.782 ug/l m
RT: 10.386 min Scan# 1394
Delta R.T. -0.006 min
Lab File: VW032462.D
Acq: 17 Nov 2025 16:45

Tgt Ion: 92 Resp: 16157
Ion Ratio Lower Upper
92 100
91 0.0 136.6 205.0#

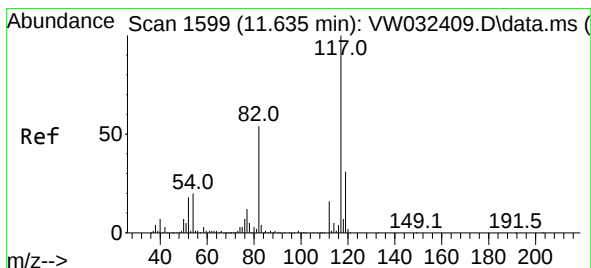
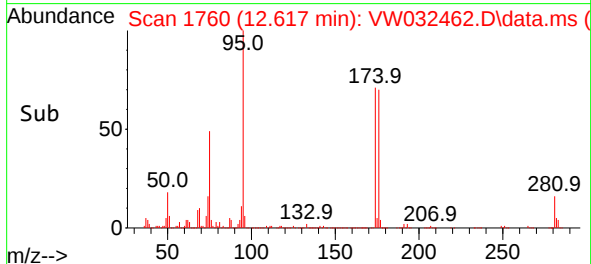
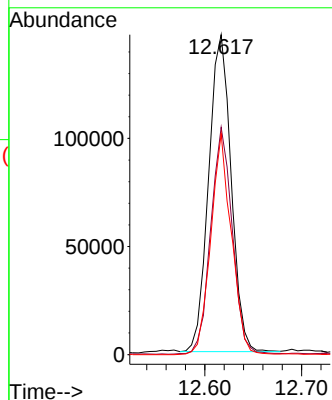
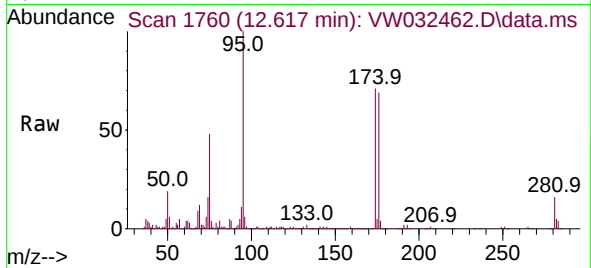




#62
4-Bromofluorobenzene
Concen: 52.756 ug/l
RT: 12.617 min Scan# 11
Delta R.T. -0.000 min
Lab File: VW032462.D
Acq: 17 Nov 2025 16:45

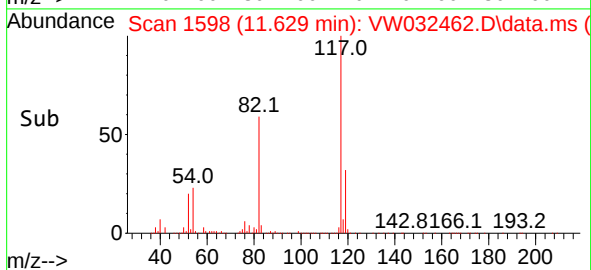
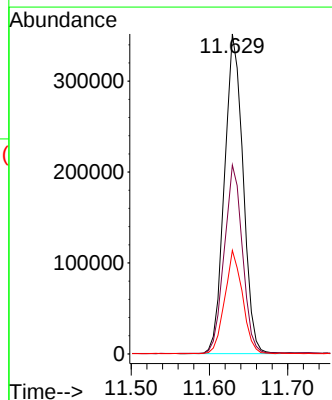
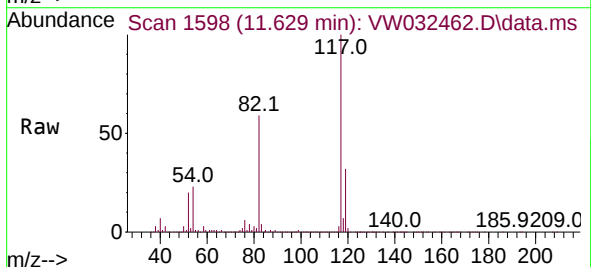
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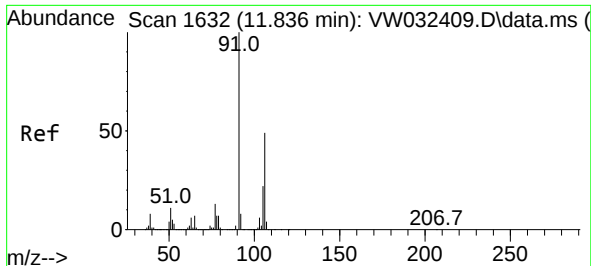
Tgt Ion:	95	Resp:	236503
Ion Ratio	Lower	Upper	
95	100		
174	68.6	0.0	135.4
176	64.0	0.0	131.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.629 min Scan# 1598
Delta R.T. -0.006 min
Lab File: VW032462.D
Acq: 17 Nov 2025 16:45

Tgt Ion:	117	Resp:	579293
Ion Ratio	Lower	Upper	
117	100		
82	58.9	43.0	64.4
119	32.3	25.0	37.6

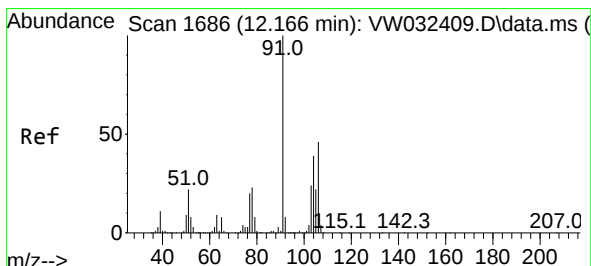
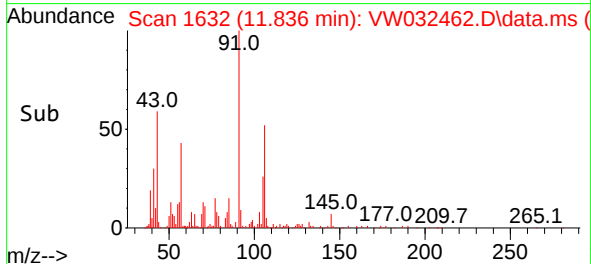
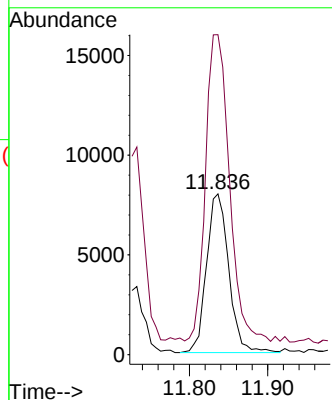
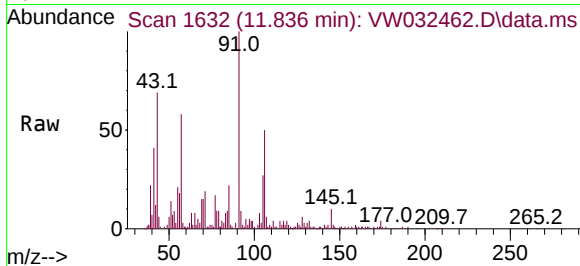




#68
m/p-Xylenes
Concen: 1.935 ug/l
RT: 11.836 min Scan# 1632
Delta R.T. -0.000 min
Lab File: VW032462.D
Acq: 17 Nov 2025 16:45

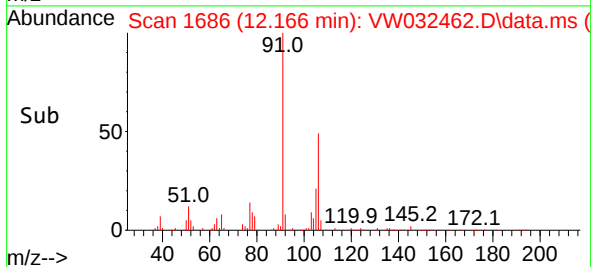
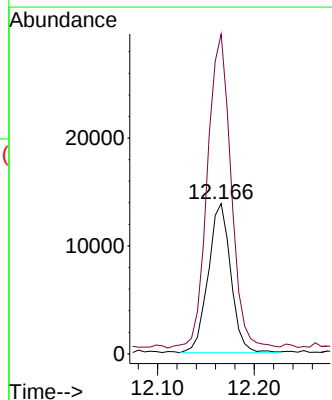
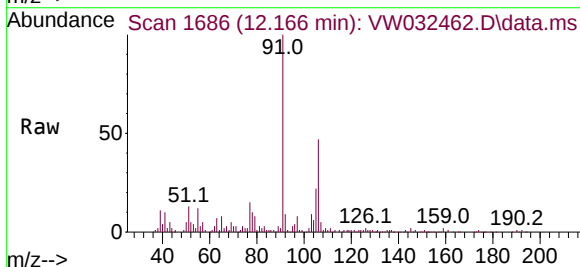
Instrument :
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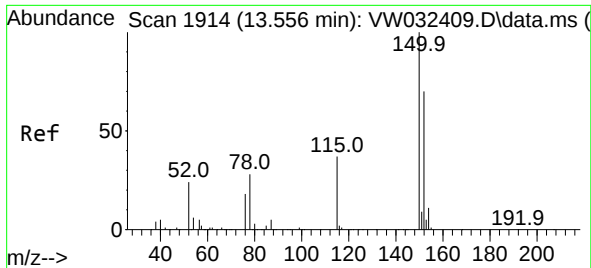
Tgt Ion:106 Resp: 15693
Ion Ratio Lower Upper
106 100
91 209.2 165.5 248.3



#69
o-Xylene
Concen: 2.885 ug/l
RT: 12.166 min Scan# 1686
Delta R.T. -0.000 min
Lab File: VW032462.D
Acq: 17 Nov 2025 16:45

Tgt Ion:106 Resp: 22409
Ion Ratio Lower Upper
106 100
91 220.1 109.3 327.8

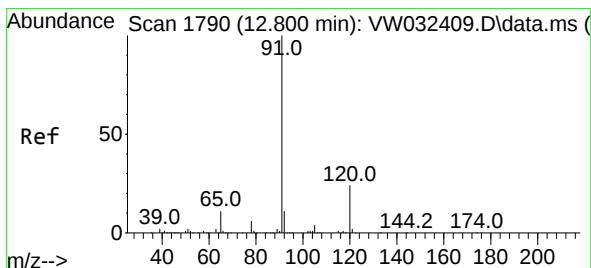
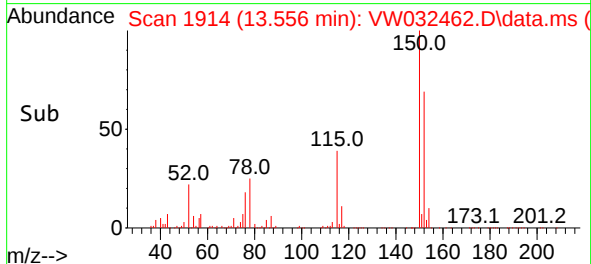
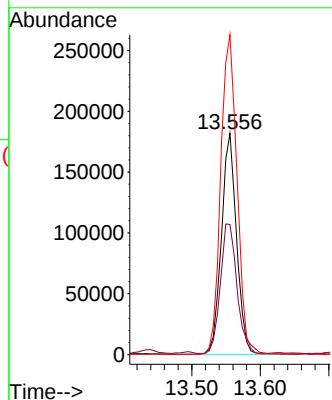
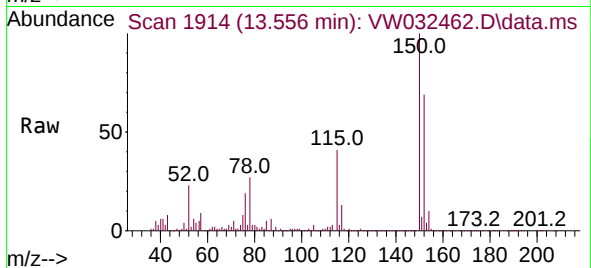




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.556 min Scan# 1914
Delta R.T. -0.000 min
Lab File: VW032462.D
Acq: 17 Nov 2025 16:45

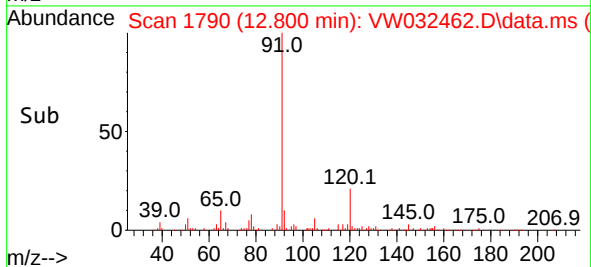
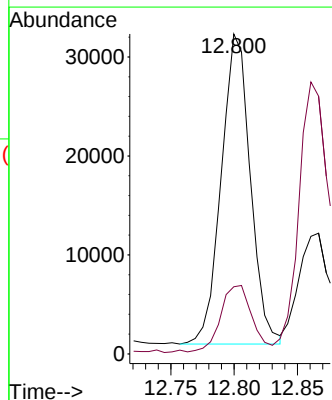
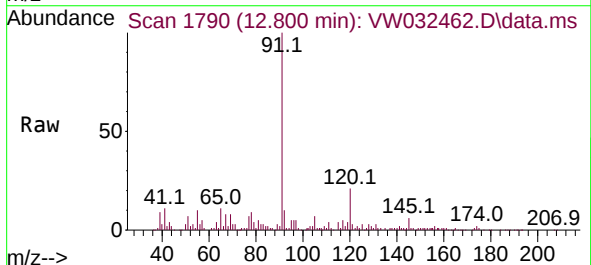
Instrument :
MSVOA_W
ClientSampleId :
OR-02-111425

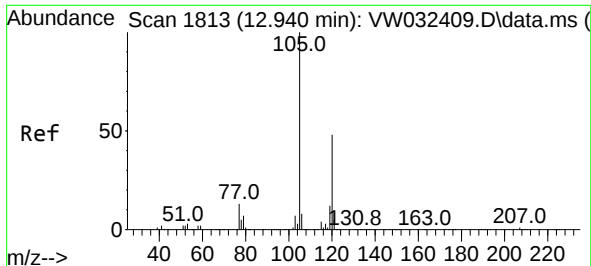
Tgt Ion:152 Resp: 279437
Ion Ratio Lower Upper
152 100
115 65.2 32.8 98.3
150 154.5 0.0 356.6



#78
n-propylbenzene
Concen: 2.007 ug/l
RT: 12.800 min Scan# 1790
Delta R.T. -0.000 min
Lab File: VW032462.D
Acq: 17 Nov 2025 16:45

Tgt Ion: 91 Resp: 50166
Ion Ratio Lower Upper
91 100
120 23.8 11.3 33.9

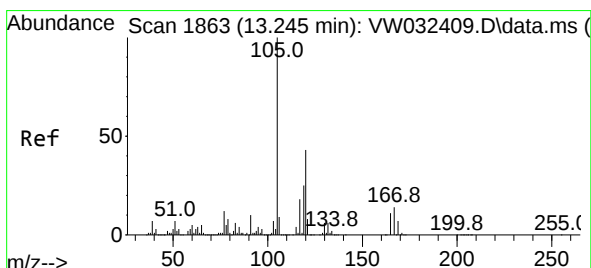
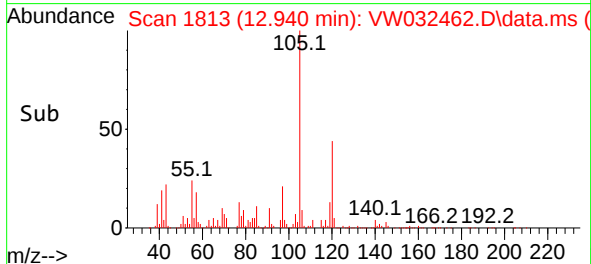
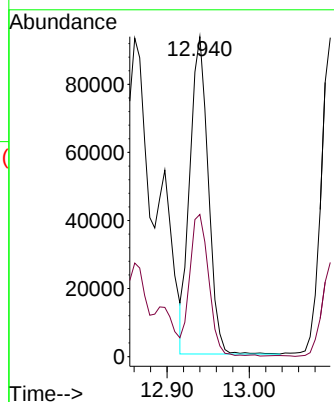
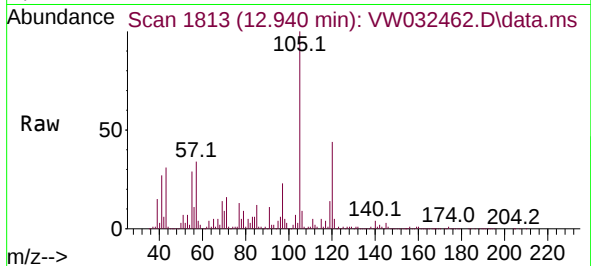




#80
1,3,5-Trimethylbenzene
Concen: 8.518 ug/l
RT: 12.940 min Scan# 1813
Delta R.T. -0.000 min
Lab File: VW032462.D
Acq: 17 Nov 2025 16:45

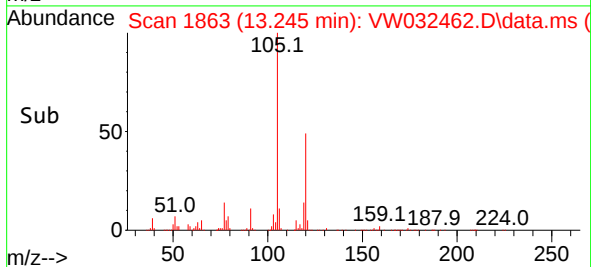
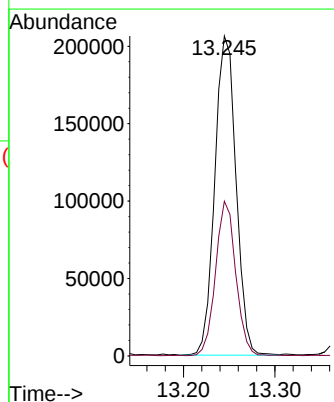
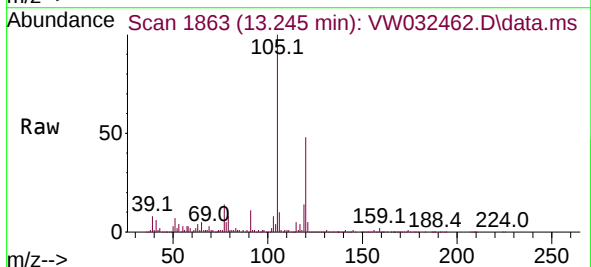
Instrument :
MSVOA_W
ClientSampleId :
OR-02-111425

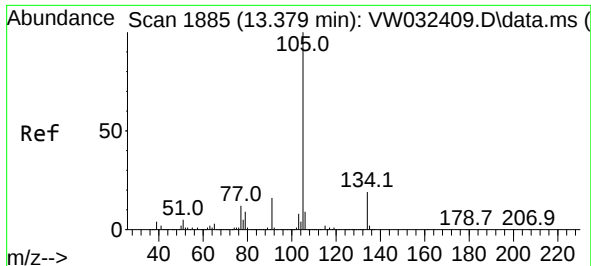
Tgt Ion:105 Resp: 144222
Ion Ratio Lower Upper
105 100
120 45.7 24.2 72.6



#84
1,2,4-Trimethylbenzene
Concen: 19.311 ug/l
RT: 13.245 min Scan# 1863
Delta R.T. -0.000 min
Lab File: VW032462.D
Acq: 17 Nov 2025 16:45

Tgt Ion:105 Resp: 332563
Ion Ratio Lower Upper
105 100
120 45.9 22.1 66.5

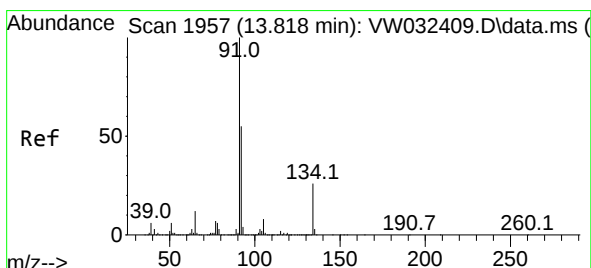
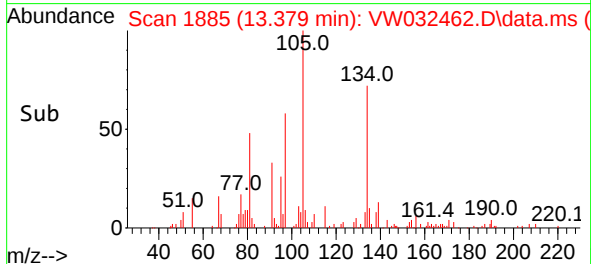
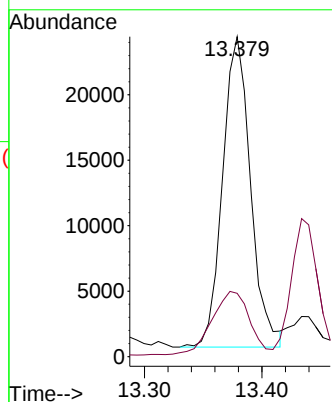
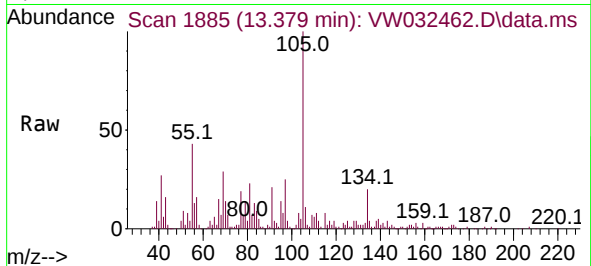




#85
 sec-Butylbenzene
 Concen: 1.785 ug/l
 RT: 13.379 min Scan# 1885
 Delta R.T. -0.000 min
 Lab File: VW032462.D
 Acq: 17 Nov 2025 16:45

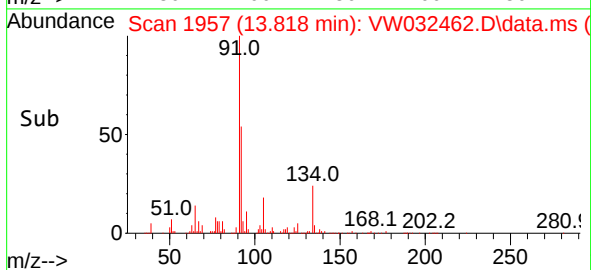
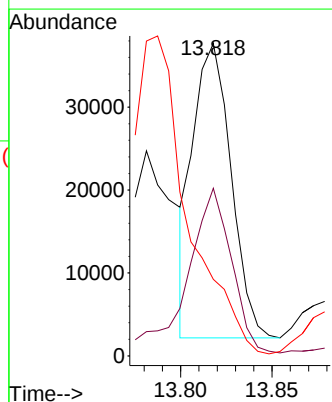
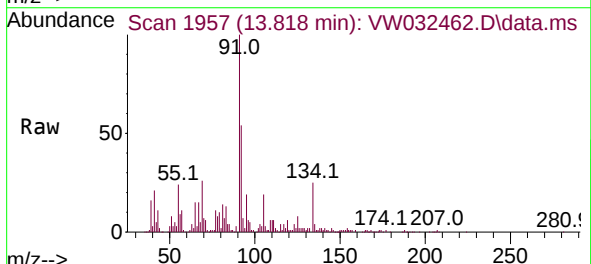
Instrument :
 MSVOA_W
 ClientSampleId :
 OR-02-111425

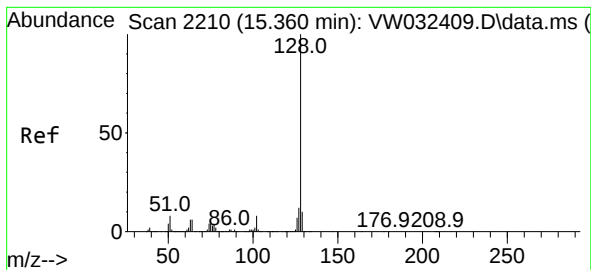
Tgt Ion:105 Resp: 39151
 Ion Ratio Lower Upper
 105 100
 134 30.4 9.8 29.3#



#89
 n-Butylbenzene
 Concen: 2.896 ug/l
 RT: 13.818 min Scan# 1957
 Delta R.T. -0.000 min
 Lab File: VW032462.D
 Acq: 17 Nov 2025 16:45

Tgt Ion: 91 Resp: 51245
 Ion Ratio Lower Upper
 91 100
 92 64.4 27.4 82.2
 134 0.0 12.4 37.4#





#95
Naphthalene
Concen: 25.365 ug/l
RT: 15.360 min Scan# 21
Delta R.T. -0.000 min
Lab File: VW032462.D
Acq: 17 Nov 2025 16:45

Instrument :
MSVOA_W
ClientSampleId :
OR-02-111425

Tgt Ion:128 Resp: 340420
Ion Ratio Lower Upper
128 100
127 14.0 10.2 15.4
129 11.2 8.6 12.8

