

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY120925\
 Data File : VY023918.D
 Acq On : 09 Dec 2025 19:01
 Operator : SY/MD
 Sample : Q3809-09
 Misc : 2.45g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 SW-6

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 12/10/2025
 Supervised By :Mahesh Dadoda 12/11/2025

Quant Time: Dec 10 02:33:44 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y120325S.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 04 03:49:13 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.719	168	686670	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.622	114	1104525	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	984839	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.352	152	444996	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	309828	45.104	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	90.200%		
35) Dibromofluoromethane	7.640	113	344090	48.572	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	97.140%		
50) Toluene-d8	10.109	98	1322376	47.969	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	95.940%		
62) 4-Bromofluorobenzene	12.407	95	430894	45.827	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	91.660%		
Target Compounds					Qvalue	
17) Carbon Disulfide	4.122	76	62363	3.191	ug/l	99
39) Methylcyclohexane	9.115	83	424465	31.217	ug/l	95
52) Toluene	10.176	92	554898	28.065	ug/l	99
67) Ethyl Benzene	11.523	91	1188238	30.577	ug/l	97
68) m/p-Xylenes	11.627	106	1963911	132.220	ug/l	96
69) o-Xylene	11.956	106	744027	53.555	ug/l	99
73) Isopropylbenzene	12.255	105	245510	7.488	ug/l	100
78) n-propylbenzene	12.596	91	1198756	30.300	ug/l	98
80) 1,3,5-Trimethylbenzene	12.737	105	1531285	57.481	ug/l	99
84) 1,2,4-Trimethylbenzene	13.048	105	4976808	188.578	ug/l	96
85) sec-Butylbenzene	13.176	105	141276m	3.954	ug/l	
86) p-Isopropyltoluene	13.291	119	71377m	2.413	ug/l	
89) n-Butylbenzene	13.621	91	257473	9.404	ug/l #	72
95) Naphthalene	15.145	128	728889	55.909	ug/l	100

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

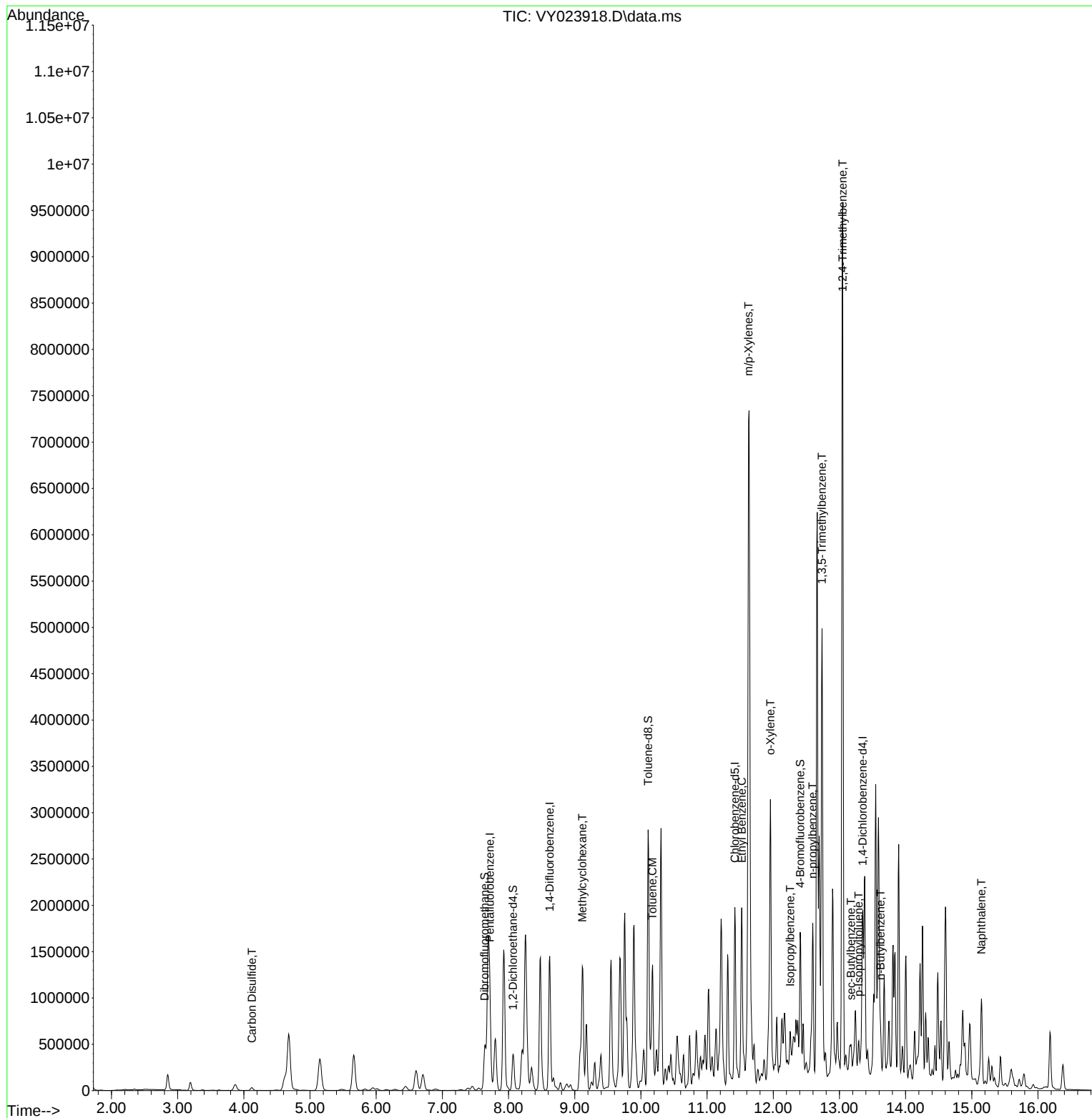
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY120925\
Data File : VY023918.D
Acq On : 09 Dec 2025 19:01
Operator : SY/MD
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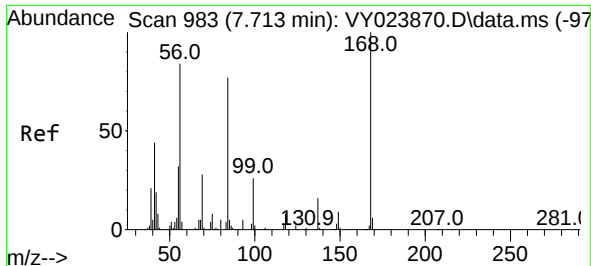
Instrument :
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ClientSampleId :
SW-6

Quant Time: Dec 10 02:33:44 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y120325S.M
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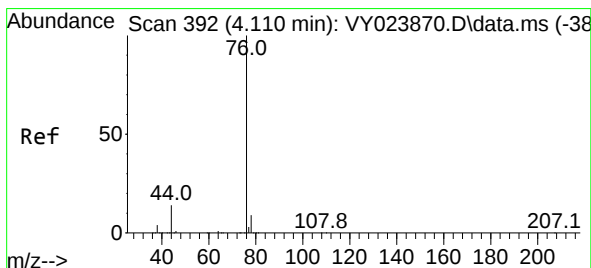
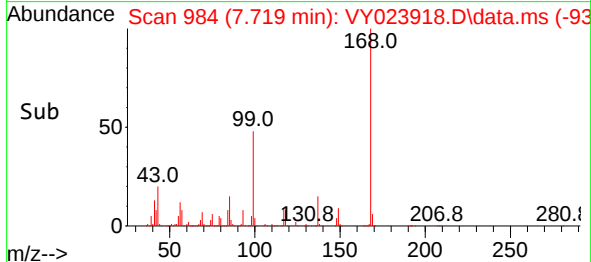
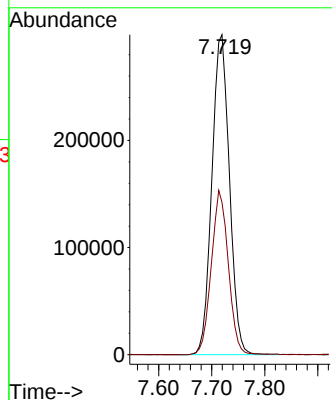
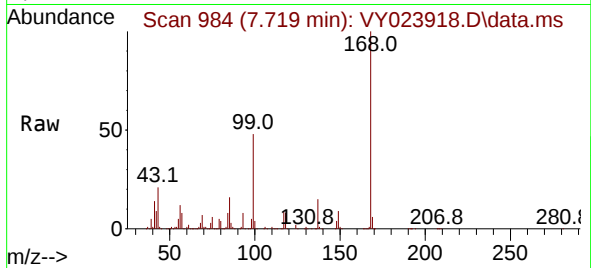
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.719 min Scan# 983
Delta R.T. 0.006 min
Lab File: VY023918.D
Acq: 09 Dec 2025 19:01

Instrument :
MSVOA_Y
Client Sample Id :
SW-6

Tgt Ion:168 Resp: 686670
Ion Ratio Lower Upper
168 100
99 47.6 42.5 63.7

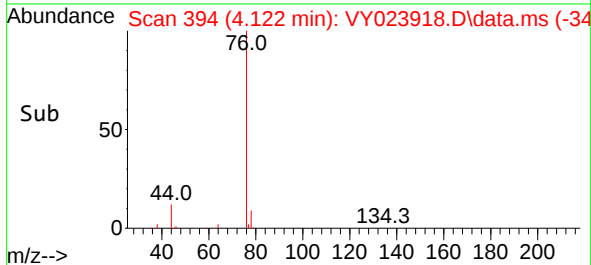
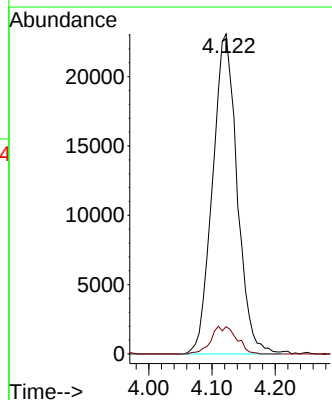
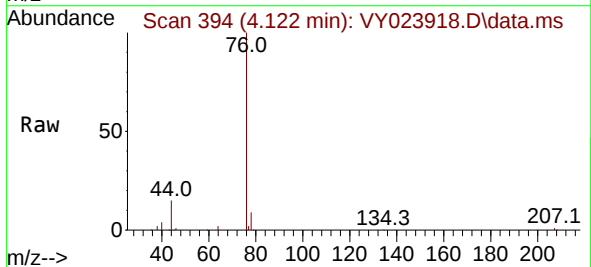
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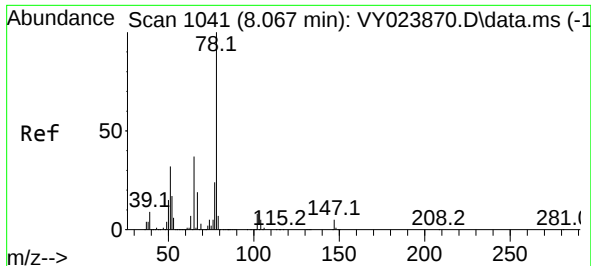
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#17
Carbon Disulfide
Concen: 3.191 ug/l
RT: 4.122 min Scan# 394
Delta R.T. 0.012 min
Lab File: VY023918.D
Acq: 09 Dec 2025 19:01

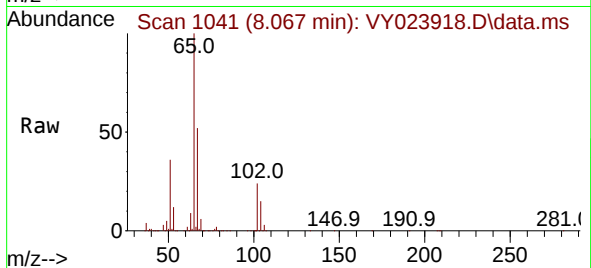
Tgt Ion: 76 Resp: 62363
Ion Ratio Lower Upper
76 100
78 8.6 7.1 10.7





#33
1,2-Dichloroethane-d4
Concen: 45.104 ug/l
RT: 8.067 min Scan# 1041
Delta R.T. -0.000 min
Lab File: VY023918.D
Acq: 09 Dec 2025 19:01

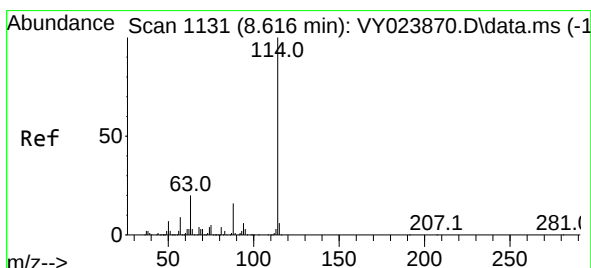
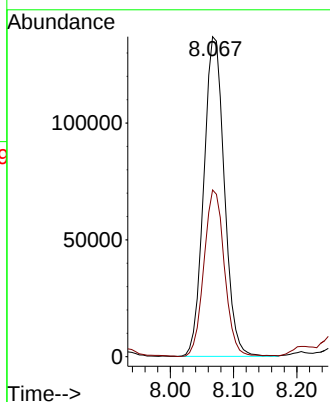
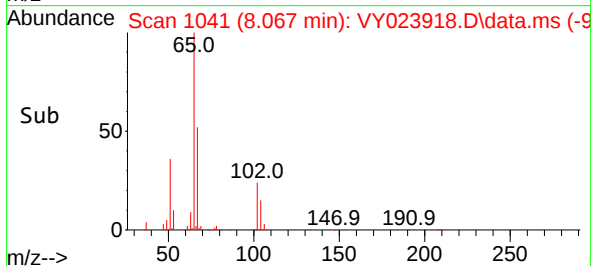
Instrument :
MSVOA_Y
ClientSampleId :
SW-6



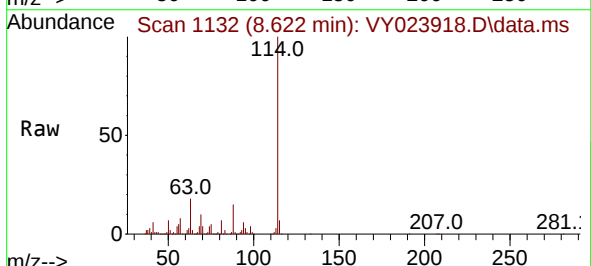
Tgt Ion: 65 Resp: 309828
Ion Ratio Lower Upper
65 100
67 52.0 0.0 107.2

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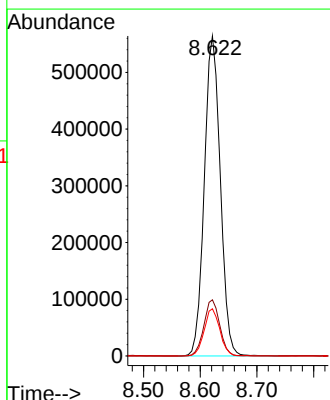
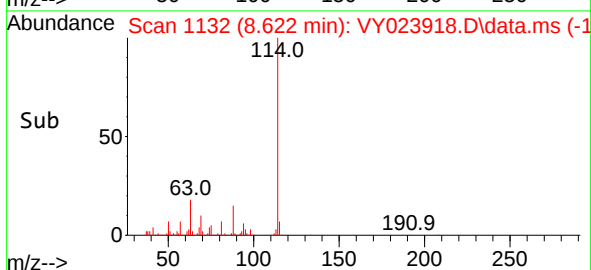
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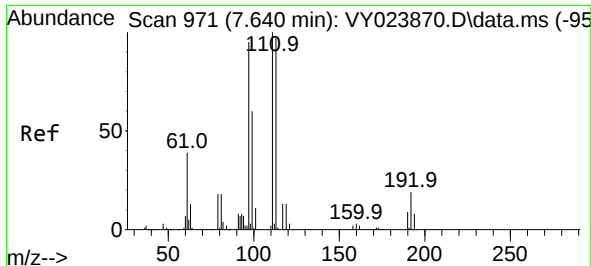


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.622 min Scan# 1132
Delta R.T. 0.006 min
Lab File: VY023918.D
Acq: 09 Dec 2025 19:01



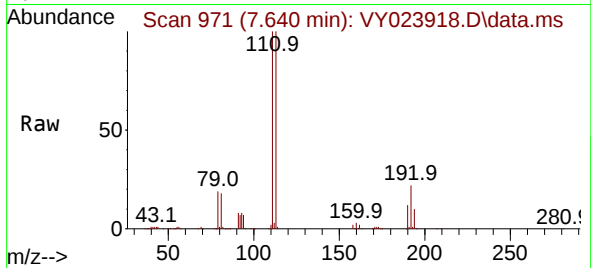
Tgt Ion:114 Resp: 1104525
Ion Ratio Lower Upper
114 100
63 17.5 0.0 39.2
88 14.8 0.0 31.4





#35
Dibromofluoromethane
Concen: 48.572 ug/l
RT: 7.640 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY023918.D
Acq: 09 Dec 2025 19:01

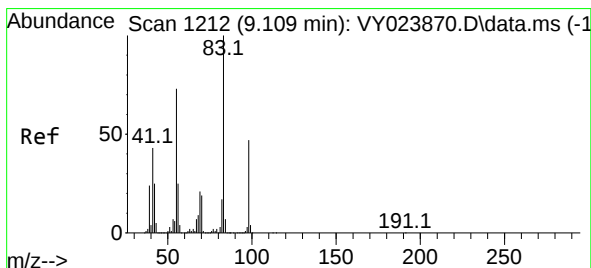
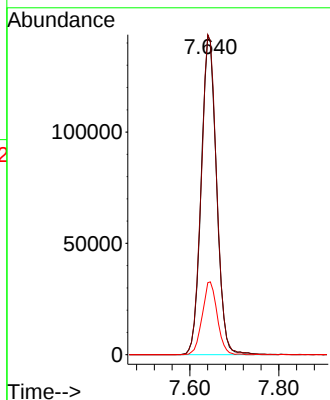
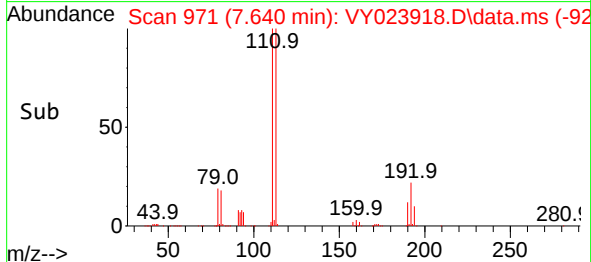
Instrument :
MSVOA_Y
ClientSampleId :
SW-6



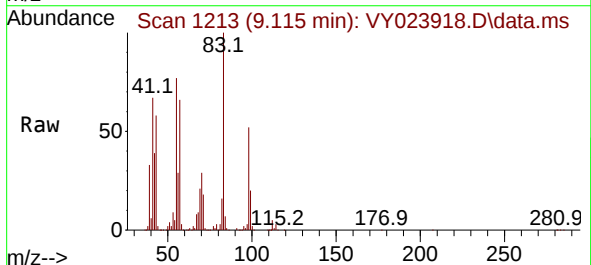
Tgt Ion:113 Resp: 344090
Ion Ratio Lower Upper
113 100
111 101.0 82.2 123.2
192 22.4 15.8 23.8

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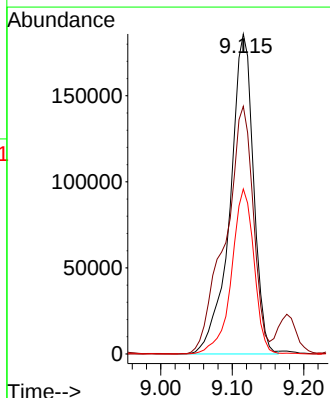
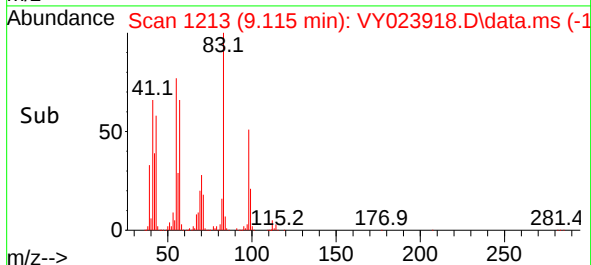
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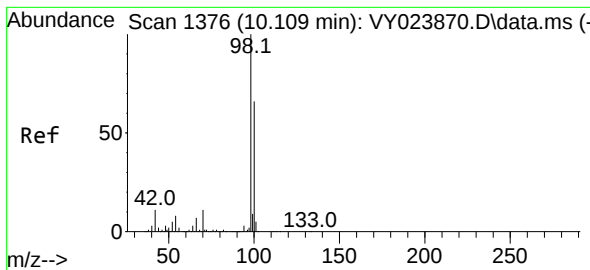


#39
Methylcyclohexane
Concen: 31.217 ug/l
RT: 9.115 min Scan# 1213
Delta R.T. 0.006 min
Lab File: VY023918.D
Acq: 09 Dec 2025 19:01



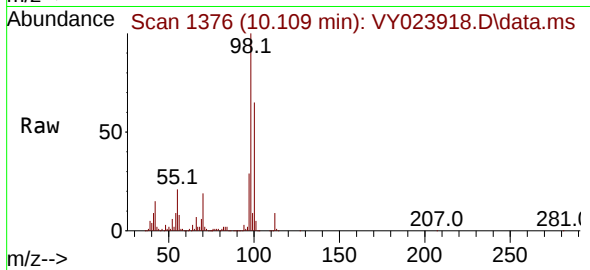
Tgt Ion: 83 Resp: 424465
Ion Ratio Lower Upper
83 100
55 77.4 58.8 88.2
98 51.6 37.8 56.6





#50
Toluene-d8
Concen: 47.969 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. -0.000 min
Lab File: VY023918.D
Acq: 09 Dec 2025 19:01

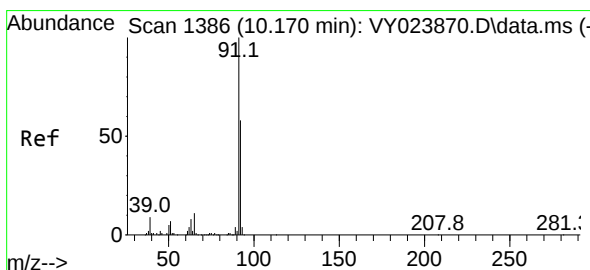
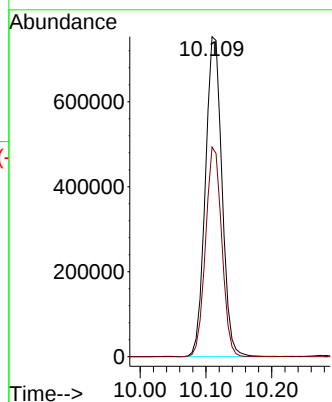
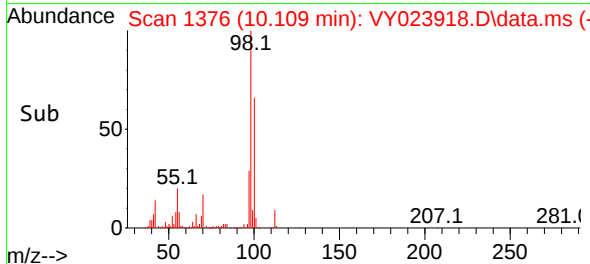
Instrument :
MSVOA_Y
ClientSampleId :
SW-6



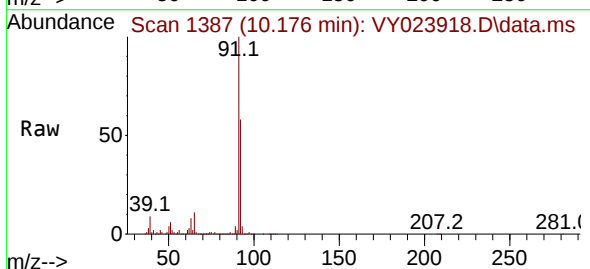
Tgt Ion: 98 Resp: 1322370
Ion Ratio Lower Upper
98 100
100 64.0 52.5 78.7

Manual Integrations
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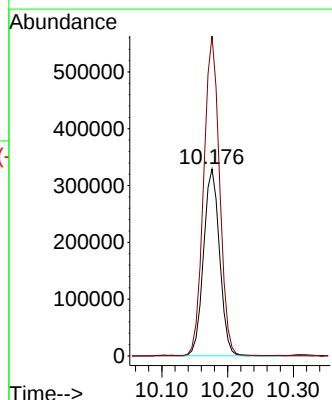
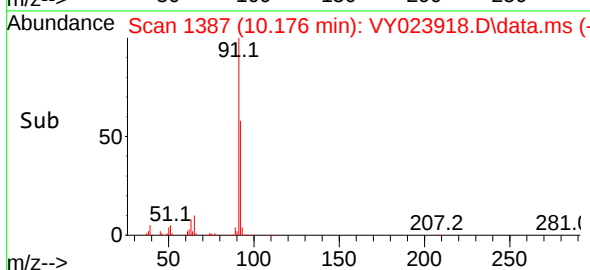
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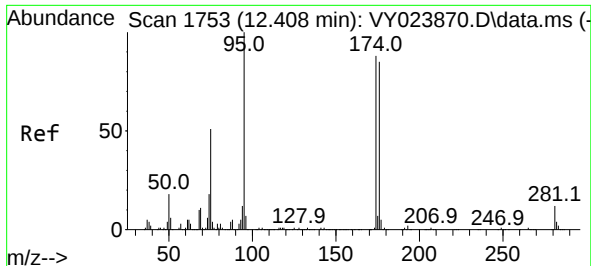


#52
Toluene
Concen: 28.065 ug/l
RT: 10.176 min Scan# 1387
Delta R.T. 0.006 min
Lab File: VY023918.D
Acq: 09 Dec 2025 19:01



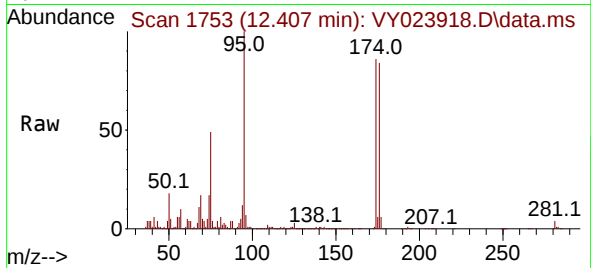
Tgt Ion: 92 Resp: 554898
Ion Ratio Lower Upper
92 100
91 169.8 137.3 205.9





#62
4-Bromofluorobenzene
Concen: 45.827 ug/l
RT: 12.407 min Scan# 1753
Delta R.T. -0.000 min
Lab File: VY023918.D
Acq: 09 Dec 2025 19:01

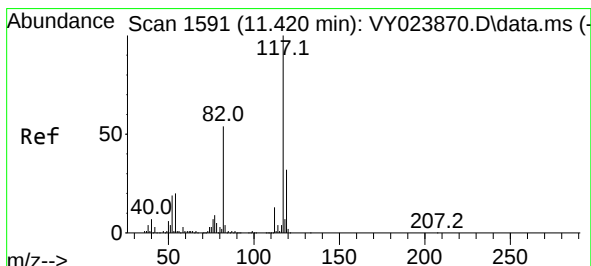
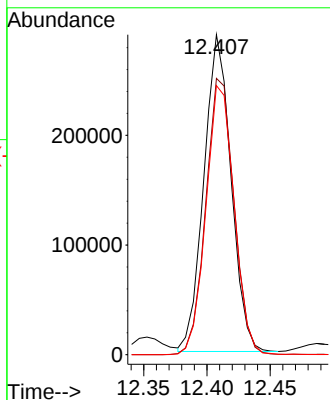
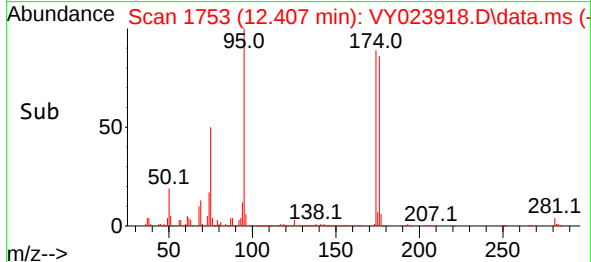
Instrument :
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SW-6



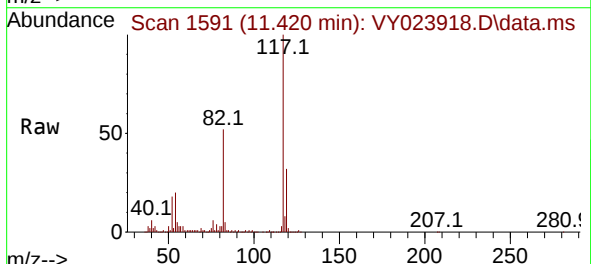
Tgt Ion: 95 Resp: 430894
Ion Ratio Lower Upper
95 100
174 91.0 0.0 169.6
176 88.3 0.0 164.4

Manual Integrations
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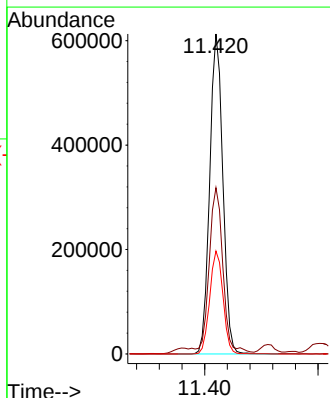
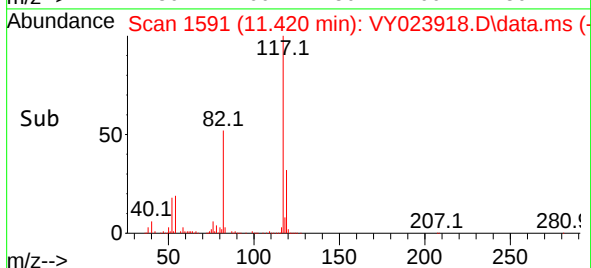
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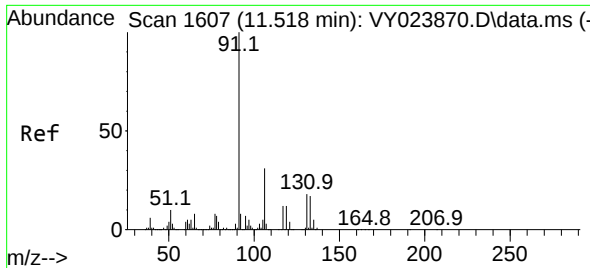


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1591
Delta R.T. -0.000 min
Lab File: VY023918.D
Acq: 09 Dec 2025 19:01



Tgt Ion:117 Resp: 984839
Ion Ratio Lower Upper
117 100
82 51.0 43.1 64.7
119 32.1 26.0 39.0





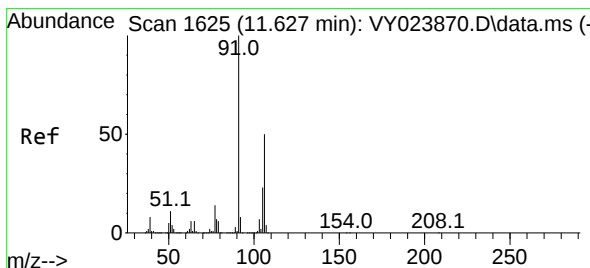
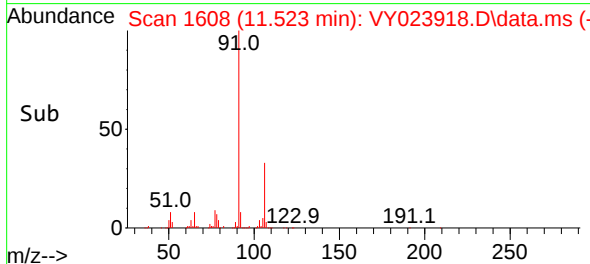
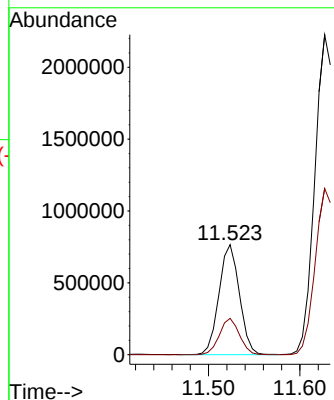
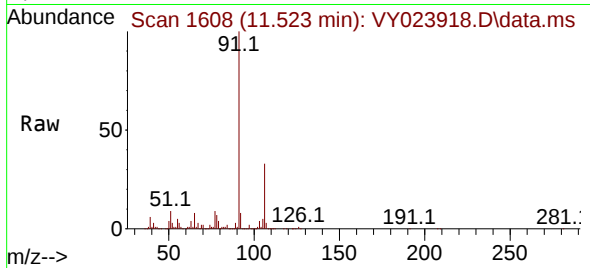
#67
Ethyl Benzene
Concen: 30.577 ug/l
RT: 11.523 min Scan# 1608
Delta R.T. 0.006 min
Lab File: VY023918.D
Acq: 09 Dec 2025 19:01

Instrument :
MSVOA_Y
ClientSampleId :
SW-6

Tgt Ion: 91 Resp: 1188238
Ion Ratio Lower Upper
91 100
106 33.1 25.0 37.6

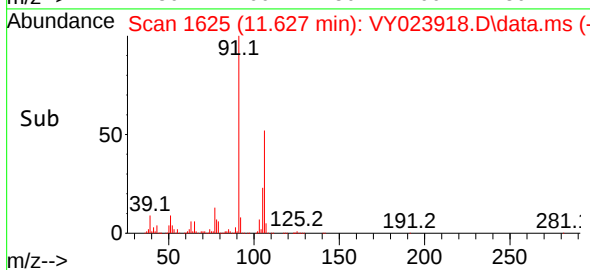
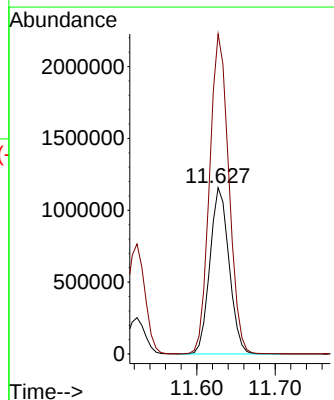
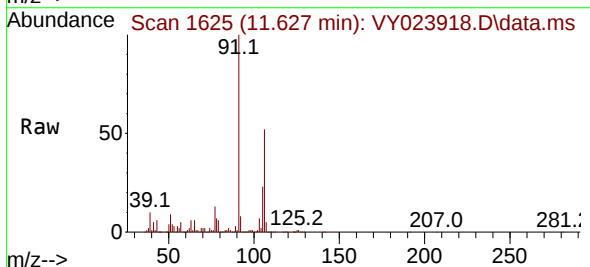
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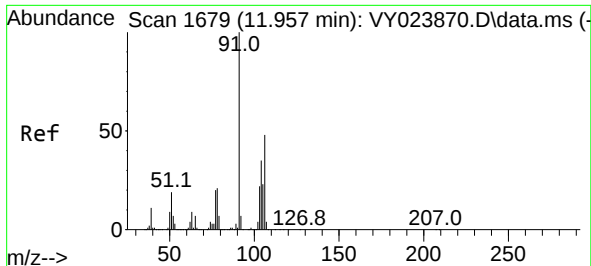
Reviewed By :Semsettin Yesilyurt 12/10/2025
Supervised By :Mahesh Dadoda 12/11/2025



#68
m/p-Xylenes
Concen: 132.220 ug/l
RT: 11.627 min Scan# 1625
Delta R.T. -0.000 min
Lab File: VY023918.D
Acq: 09 Dec 2025 19:01

Tgt Ion:106 Resp: 1963911
Ion Ratio Lower Upper
106 100
91 193.6 159.7 239.5





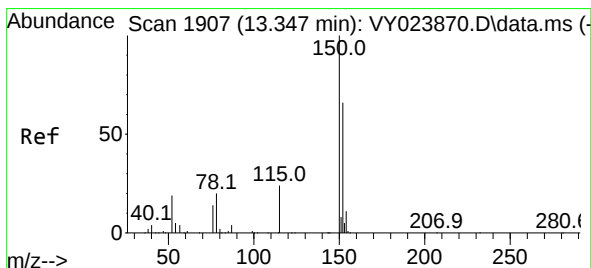
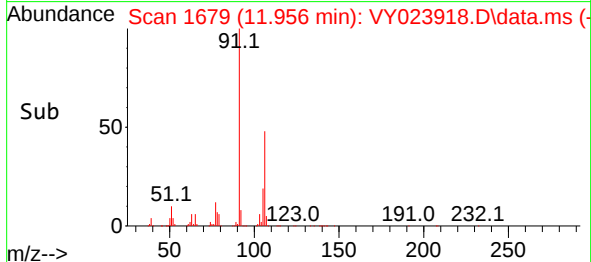
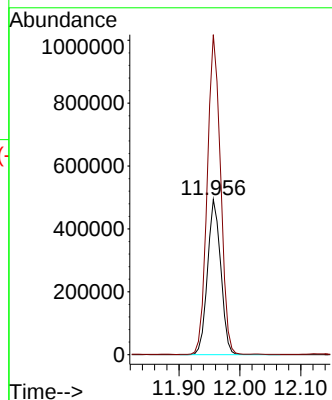
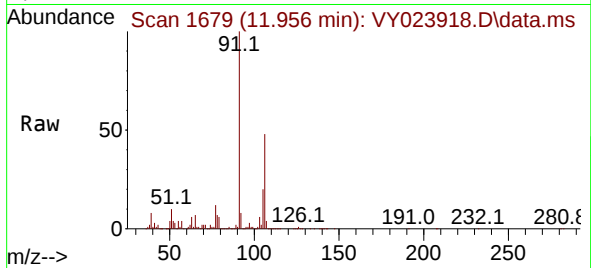
#69
o-Xylene
Concen: 53.555 ug/l
RT: 11.956 min Scan# 11956
Delta R.T. -0.000 min
Lab File: VY023918.D
Acq: 09 Dec 2025 19:01

Instrument :
MSVOA_Y
ClientSampleId :
SW-6

Tgt Ion:106 Resp: 74402
Ion Ratio Lower Upper
106 100
91 207.5 104.4 313.1

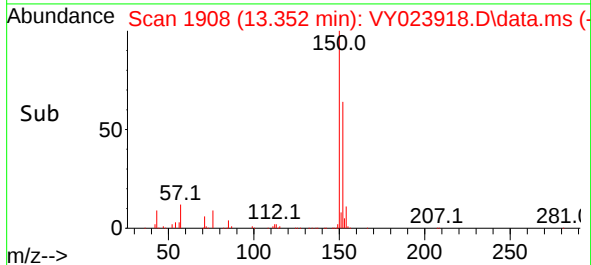
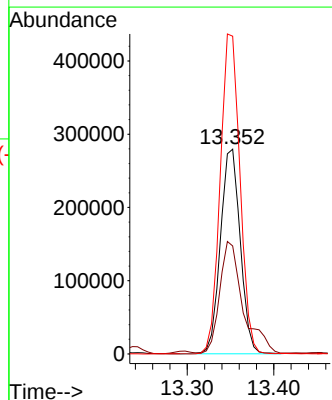
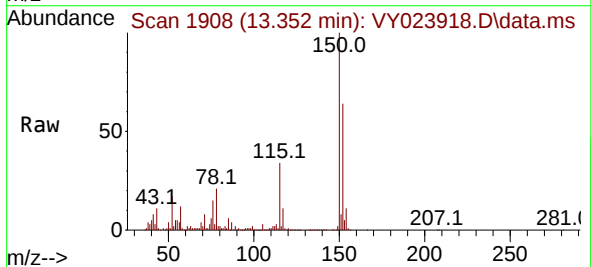
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APPROVED

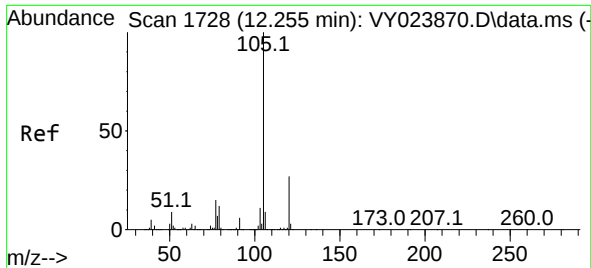
Reviewed By :Semsettin Yesilyurt 12/10/2025
Supervised By :Mahesh Dadoda 12/11/2025



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.352 min Scan# 1908
Delta R.T. 0.006 min
Lab File: VY023918.D
Acq: 09 Dec 2025 19:01

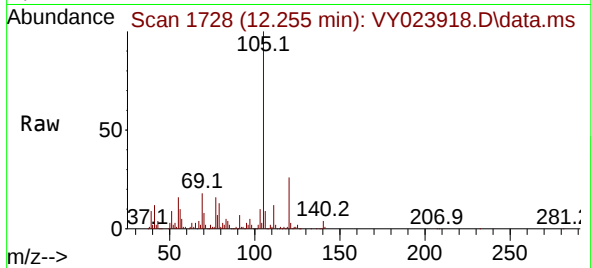
Tgt Ion:152 Resp: 444996
Ion Ratio Lower Upper
152 100
115 63.8 28.8 86.4
150 155.4 0.0 352.2





#73
Isopropylbenzene
Concen: 7.488 ug/l
RT: 12.255 min Scan# 1728
Delta R.T. -0.000 min
Lab File: VY023918.D
Acq: 09 Dec 2025 19:01

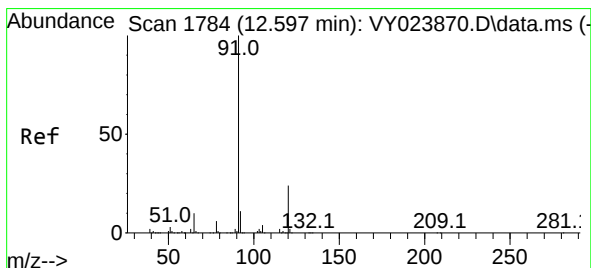
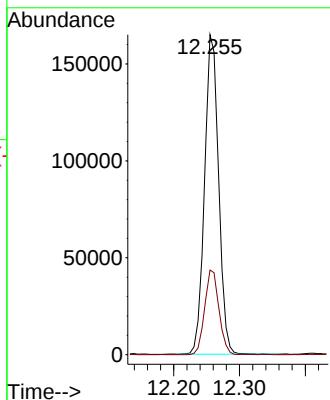
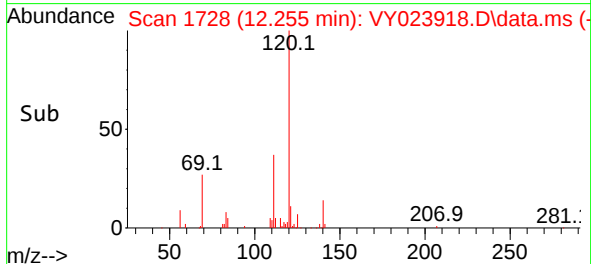
Instrument :
MSVOA_Y
ClientSampleId :
SW-6



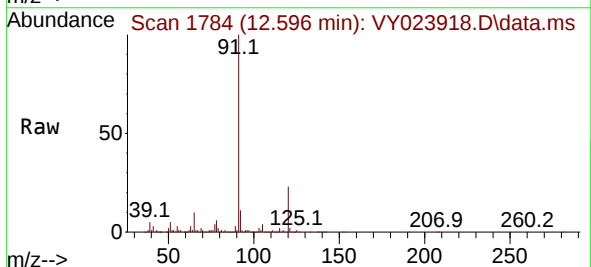
Tgt Ion:105 Resp: 245510
Ion Ratio Lower Upper
105 100
120 26.9 13.4 40.1

Manual Integrations
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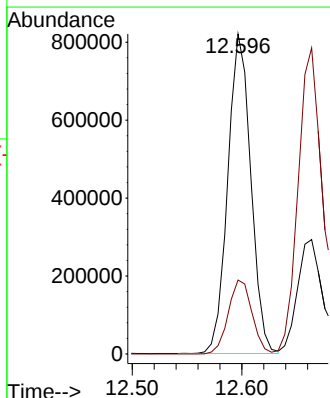
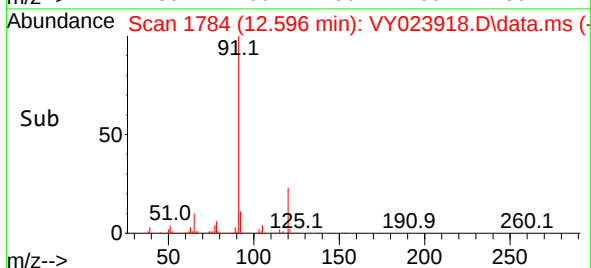
Reviewed By :Semsettin Yesilyurt 12/10/2025
Supervised By :Mahesh Dadoda 12/11/2025

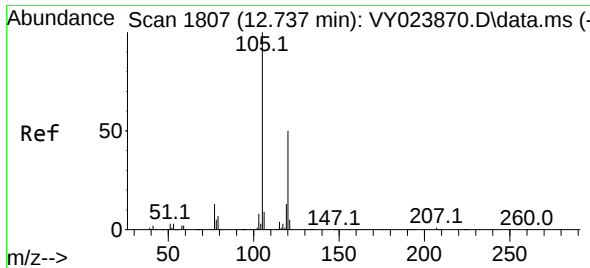


#78
n-propylbenzene
Concen: 30.300 ug/l
RT: 12.596 min Scan# 1784
Delta R.T. -0.000 min
Lab File: VY023918.D
Acq: 09 Dec 2025 19:01



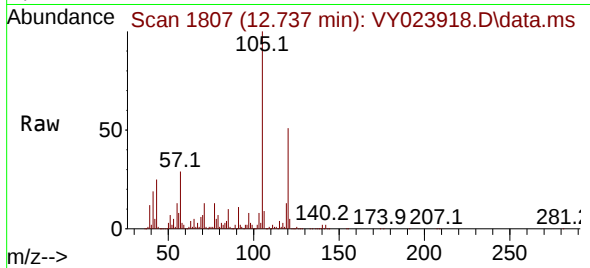
Tgt Ion: 91 Resp: 1198756
Ion Ratio Lower Upper
91 100
120 23.8 11.5 34.5





#80
1,3,5-Trimethylbenzene
Concen: 57.481 ug/l
RT: 12.737 min Scan# 1807
Delta R.T. -0.000 min
Lab File: VY023918.D
Acq: 09 Dec 2025 19:01

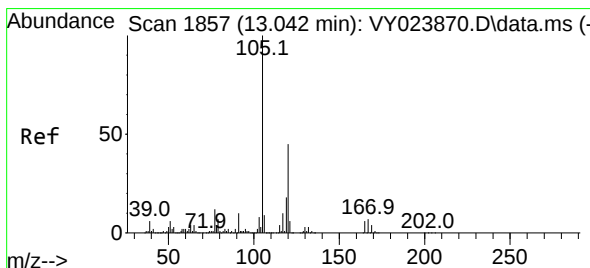
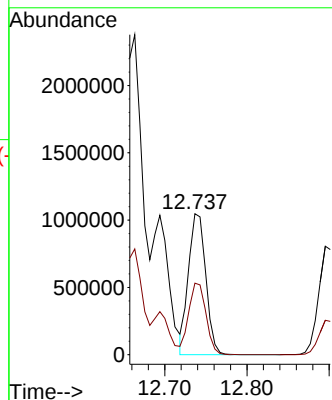
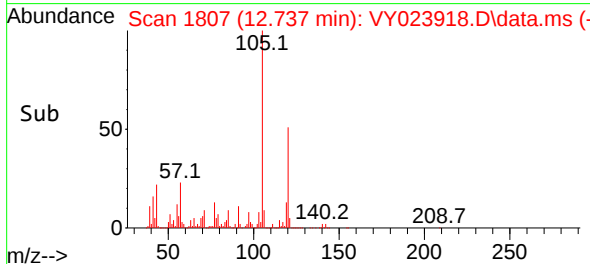
Instrument :
MSVOA_Y
ClientSampleId :
SW-6



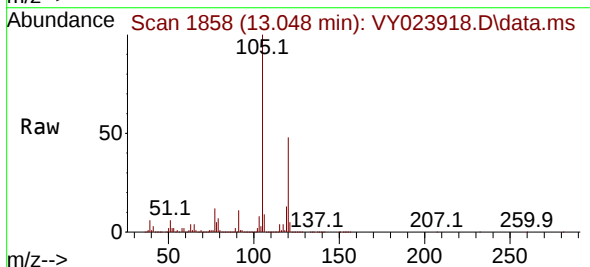
Tgt Ion:105 Resp: 1531285
Ion Ratio Lower Upper
105 100
120 50.7 24.9 74.6

Manual Integrations
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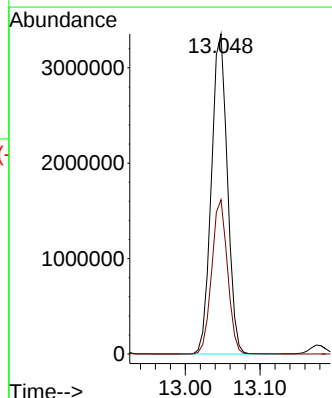
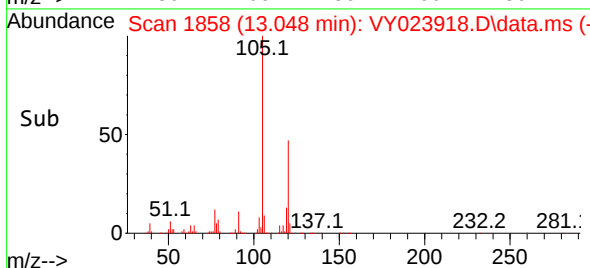
Reviewed By :Semsettin Yesilyurt 12/10/2025
Supervised By :Mahesh Dadoda 12/11/2025

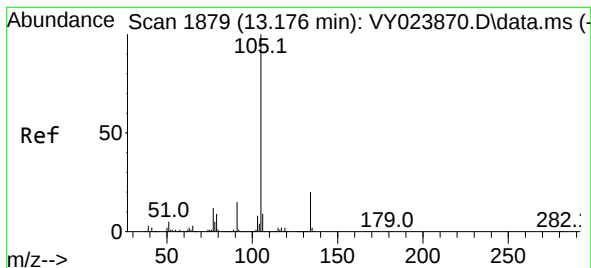


#84
1,2,4-Trimethylbenzene
Concen: 188.578 ug/l
RT: 13.048 min Scan# 1858
Delta R.T. 0.006 min
Lab File: VY023918.D
Acq: 09 Dec 2025 19:01



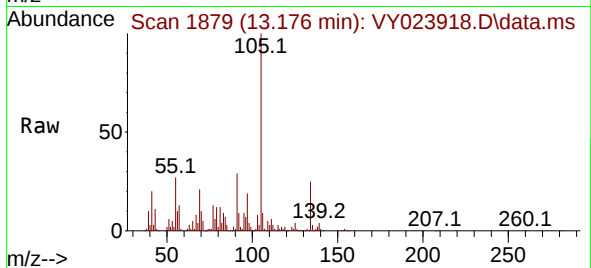
Tgt Ion:105 Resp: 4976808
Ion Ratio Lower Upper
105 100
120 47.6 22.4 67.3





#85
 sec-Butylbenzene
 Concen: 3.954 ug/l m
 RT: 13.176 min Scan# 1879
 Delta R.T. -0.000 min
 Lab File: VY023918.D
 Acq: 09 Dec 2025 19:01

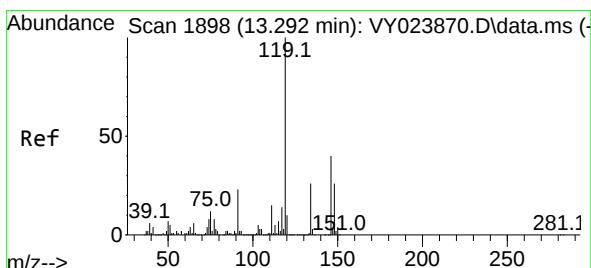
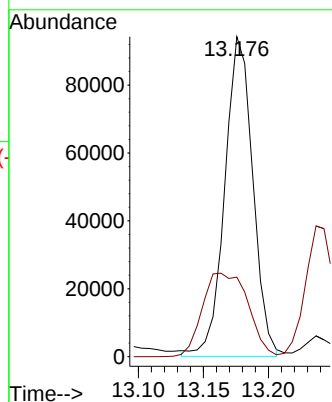
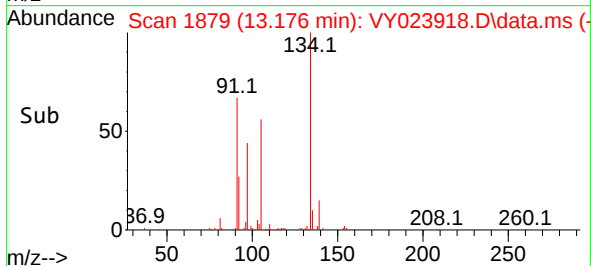
Instrument :
 MSVOA_Y
 ClientSampleId :
 SW-6



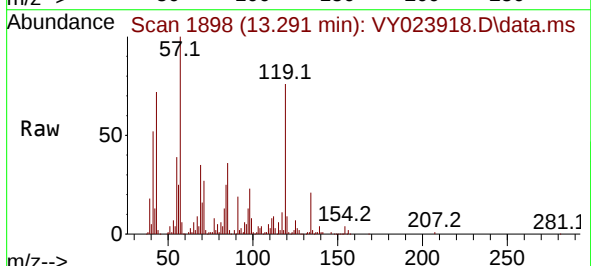
Tgt Ion:105 Resp: 141270
 Ion Ratio Lower Upper
 105 100
 134 0.0 10.1 30.3#

Manual Integrations
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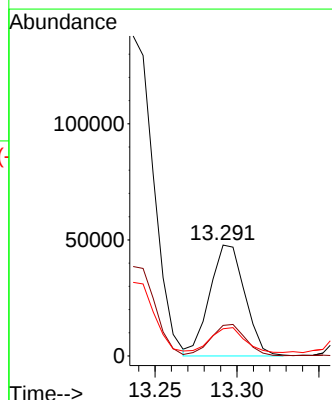
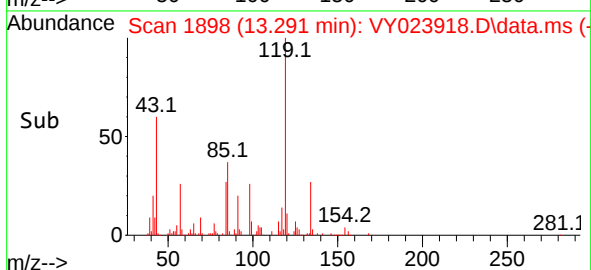
Reviewed By :Semsettin Yesilyurt 12/10/2025
 Supervised By :Mahesh Dadoda 12/11/2025

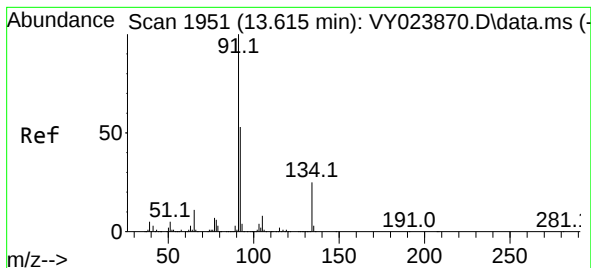


#86
 p-Isopropyltoluene
 Concen: 2.413 ug/l m
 RT: 13.291 min Scan# 1898
 Delta R.T. -0.000 min
 Lab File: VY023918.D
 Acq: 09 Dec 2025 19:01



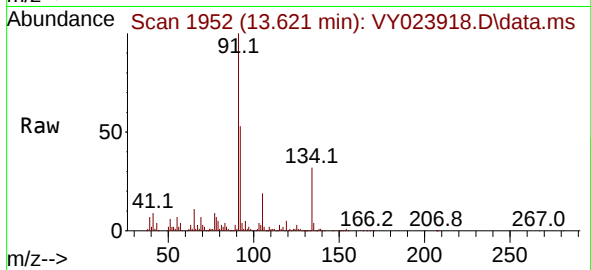
Tgt Ion:119 Resp: 71377
 Ion Ratio Lower Upper
 119 100
 134 80.9 13.1 39.1#
 91 63.4 11.6 34.8#





#89
n-Butylbenzene
Concen: 9.404 ug/l
RT: 13.621 min Scan# 1952
Delta R.T. 0.006 min
Lab File: VY023918.D
Acq: 09 Dec 2025 19:01

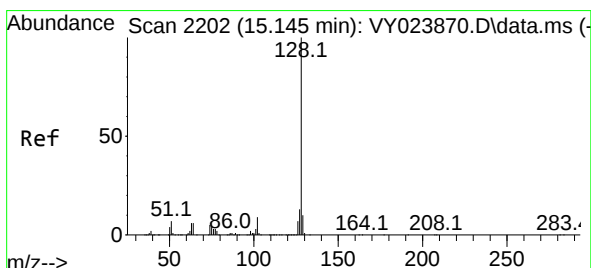
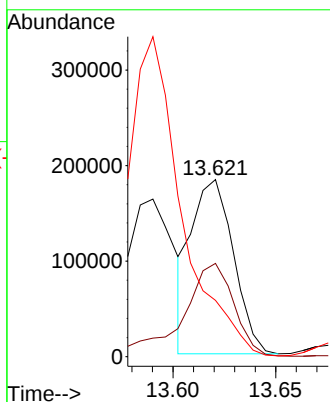
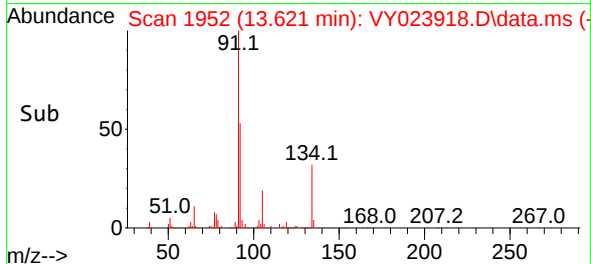
Instrument :
MSVOA_Y
ClientSampleId :
SW-6



Tgt Ion: 91 Resp: 25747
Ion Ratio Lower Upper
91 100
92 65.2 26.7 80.0
134 0.0 13.0 39.0

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 12/10/2025
Supervised By :Mahesh Dadoda 12/11/2025



#95
Naphthalene
Concen: 55.909 ug/l
RT: 15.145 min Scan# 2202
Delta R.T. -0.000 min
Lab File: VY023918.D
Acq: 09 Dec 2025 19:01

Tgt Ion:128 Resp: 728889
Ion Ratio Lower Upper
128 100
127 13.0 10.3 15.5
129 11.0 8.7 13.1

