

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY121525\
 Data File : VY023981.D
 Acq On : 15 Dec 2025 17:06
 Operator : SY/MD
 Sample : Q3864-24
 Misc : 7.33g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 B145(8-10)121025

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 12/16/2025
 Supervised By : Mahesh Dadoda 12/16/2025

Quant Time: Dec 16 02:18:05 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y121025S.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 11 03:57:51 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.720	168	110105	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.622	114	143923	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.426	117	102793	50.000	ug/l	# 0.00
72) 1,4-Dichlorobenzene-d4	13.353	152	92922	50.000	ug/l	# 0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.073	65	33666	34.583	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	69.160%		
35) Dibromofluoromethane	7.640	113	40771	43.336	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	86.680%		
50) Toluene-d8	10.109	98	505667m	144.363	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	288.720%#		
62) 4-Bromofluorobenzene	12.402	95	245793	210.123	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	420.240%#		
Target Compounds						Qvalue
16) Acetone	3.867	43	16818	39.429	ug/l	100
31) Cyclohexane	7.713	56	126620	75.844	ug/l	95
39) Methylcyclohexane	9.116	83	3330368	1946.202	ug/l	99
40) Benzene	8.085	78	33271	8.530	ug/l	94
52) Toluene	10.176	92	160015	61.998	ug/l	96
73) Isopropylbenzene	12.261	105	778039	114.571	ug/l	100
78) n-propylbenzene	12.597	91	636868	80.606	ug/l	95
84) 1,2,4-Trimethylbenzene	13.048	105	93772	17.472	ug/l	99
85) sec-Butylbenzene	13.182	105	1454242	199.157	ug/l	79
89) n-Butylbenzene	13.621	91	402860	74.500	ug/l	95

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

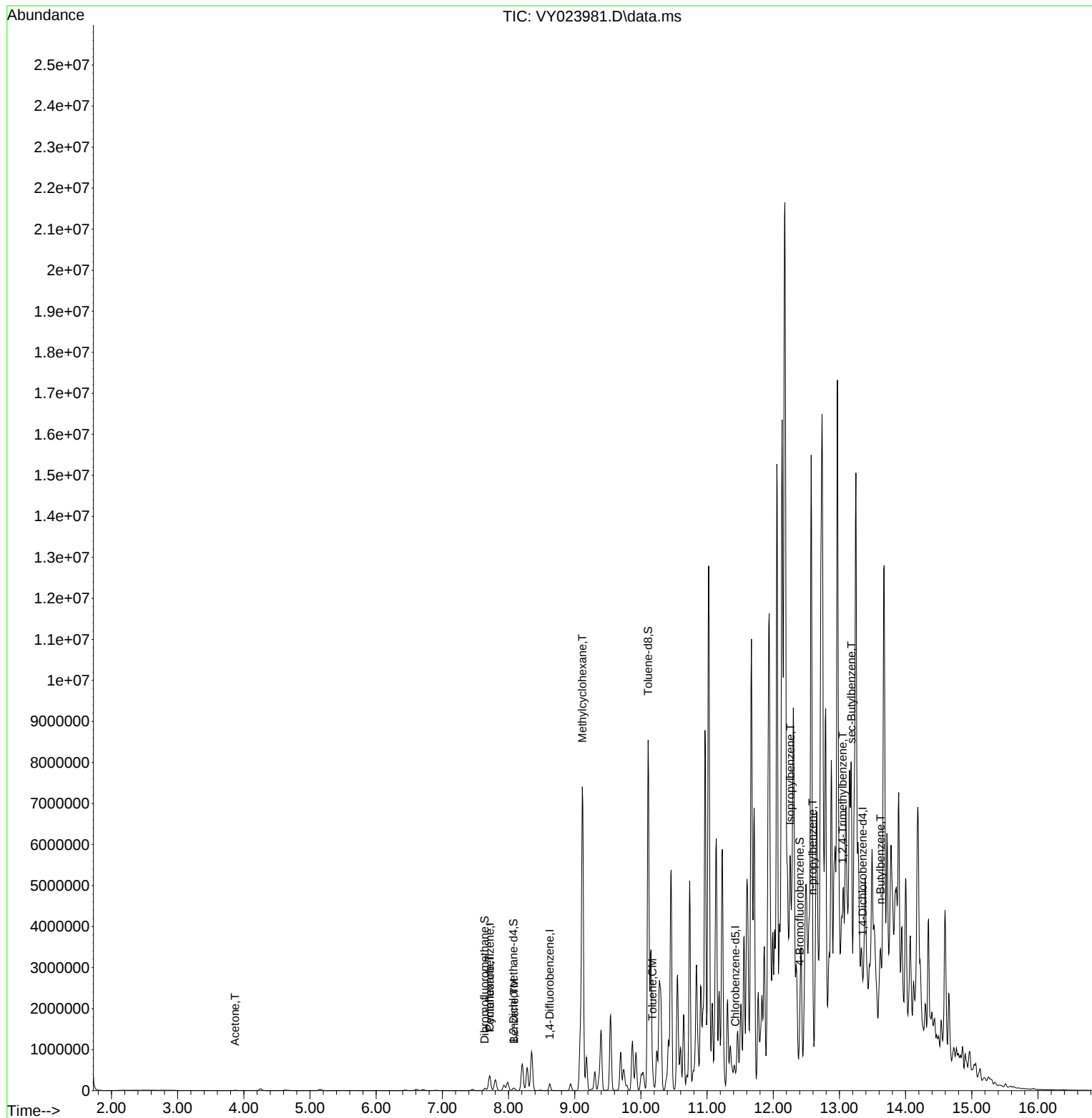
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY121525\
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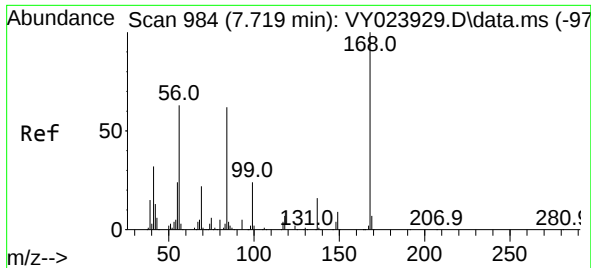
Instrument :
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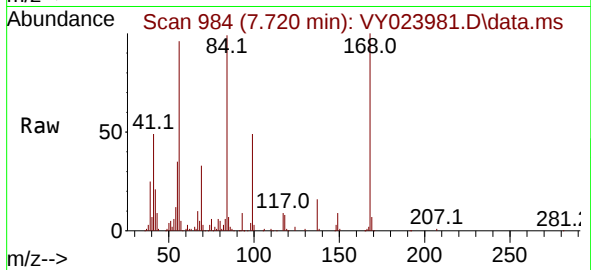
Quant Time: Dec 16 02:18:05 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y121025S.M
Quant Title : SW846 8260
QLast Update : Thu Dec 11 03:57:51 2025
Response via : Initial Calibration





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.720 min Scan# 91
Delta R.T. 0.001 min
Lab File: VY023981.D
Acq: 15 Dec 2025 17:06

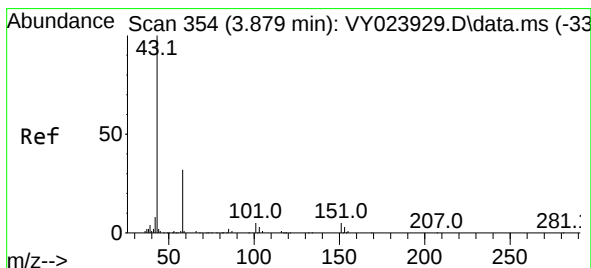
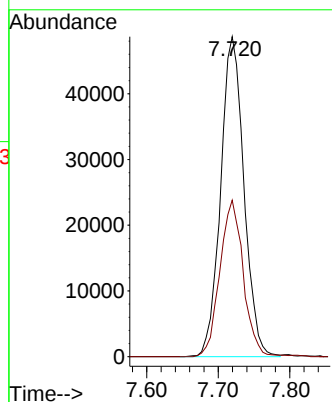
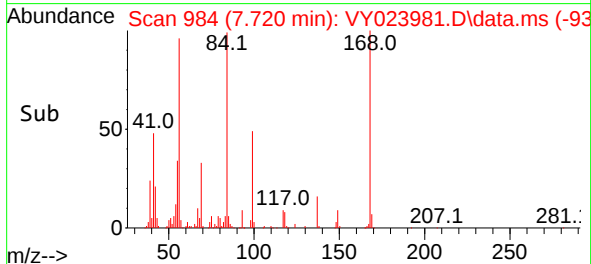
Instrument :
MSVOA_Y
ClientSampleId :
B145(8-10)121025



Tgt Ion:168 Resp: 11010
Ion Ratio Lower Upper
168 100
99 48.9 38.9 58.3

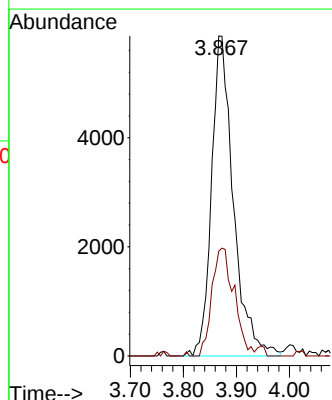
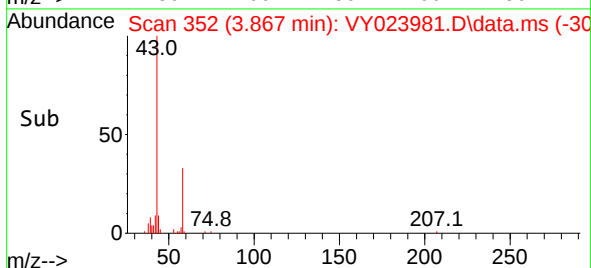
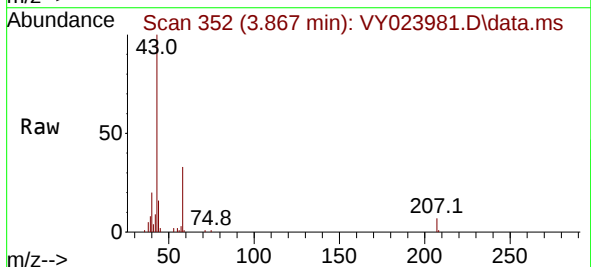
Manual Integrations
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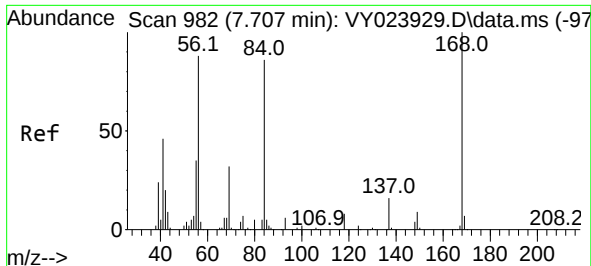
Reviewed By :Semsettin Yesilyurt 12/16/2025
Supervised By :Mahesh Dadoda 12/16/2025



#16
Acetone
Concen: 39.429 ug/l
RT: 3.867 min Scan# 352
Delta R.T. -0.012 min
Lab File: VY023981.D
Acq: 15 Dec 2025 17:06

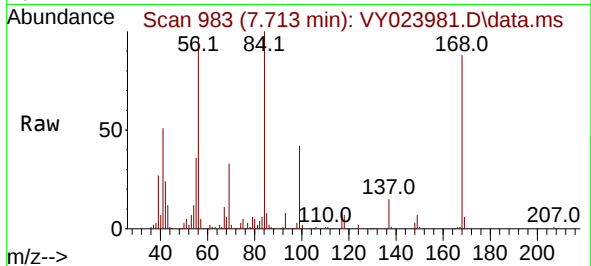
Tgt Ion: 43 Resp: 16818
Ion Ratio Lower Upper
43 100
58 32.7 26.4 39.6





#31
Cyclohexane
Concen: 75.844 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY023981.D
Acq: 15 Dec 2025 17:06

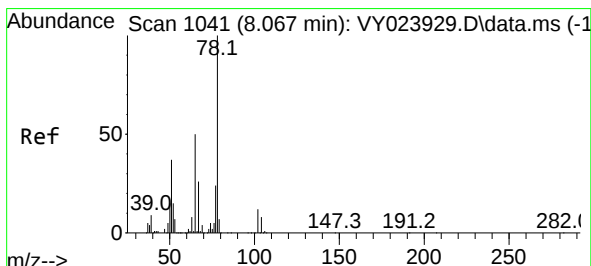
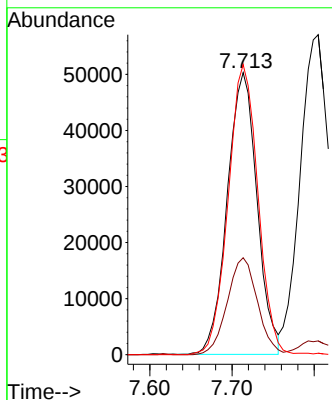
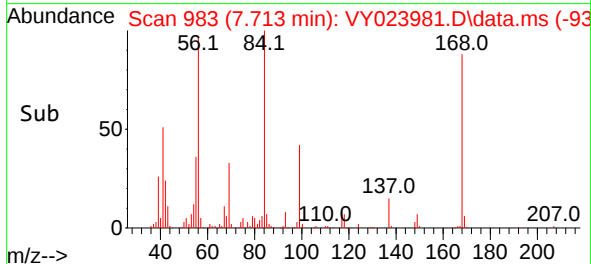
Instrument :
MSVOA_Y
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B145(8-10)121025



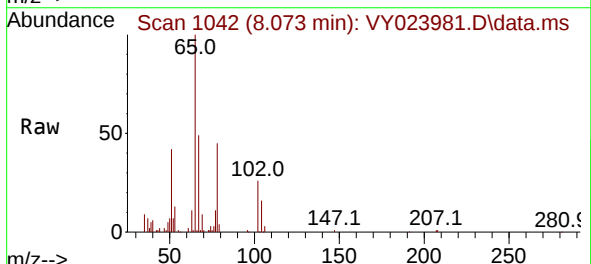
Tgt Ion: 56 Resp: 126620
Ion Ratio Lower Upper
56 100
69 34.4 29.1 43.7
84 102.9 77.8 116.8

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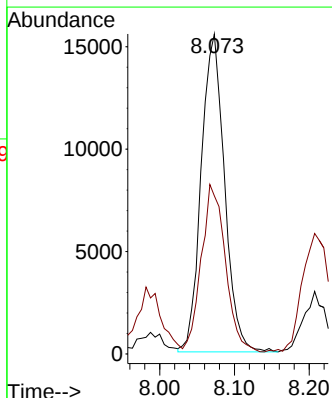
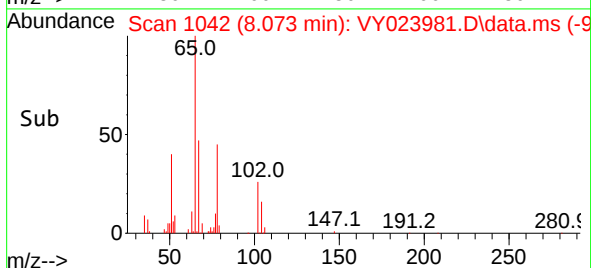
Reviewed By :Semsettin Yesilyurt 12/16/2025
Supervised By :Mahesh Dadoda 12/16/2025

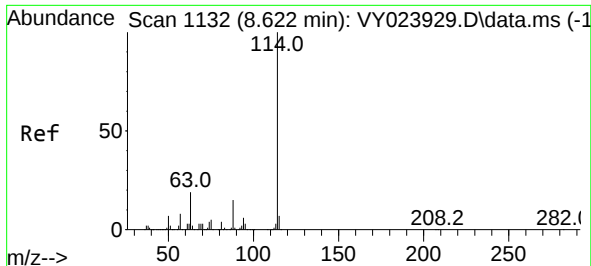


#33
1,2-Dichloroethane-d4
Concen: 34.583 ug/l
RT: 8.073 min Scan# 1042
Delta R.T. 0.006 min
Lab File: VY023981.D
Acq: 15 Dec 2025 17:06



Tgt Ion: 65 Resp: 33666
Ion Ratio Lower Upper
65 100
67 54.4 0.0 106.2





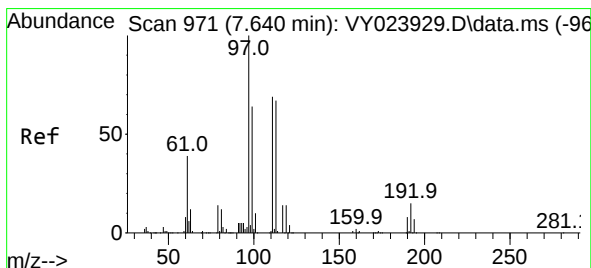
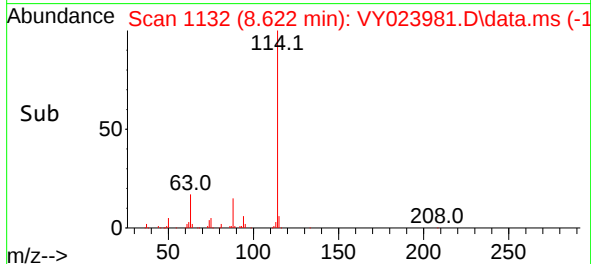
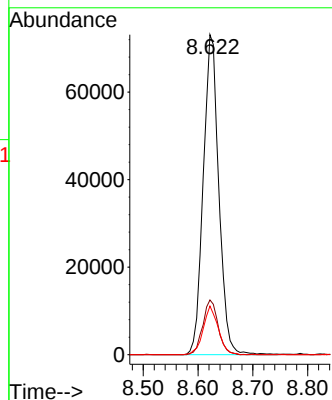
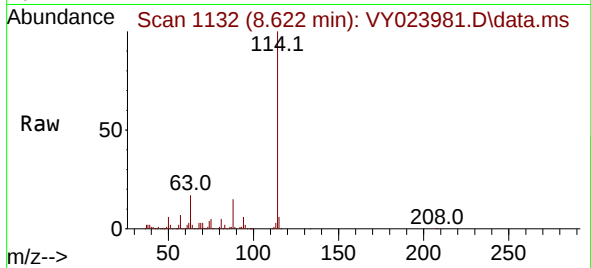
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.622 min Scan# 1132
Delta R.T. 0.000 min
Lab File: VY023981.D
Acq: 15 Dec 2025 17:06

Instrument :
MSVOA_Y
ClientSampleId :
B145(8-10)121025

Tgt Ion:114 Resp: 14392
Ion Ratio Lower Upper
114 100
63 17.1 0.0 37.2
88 15.2 0.0 29.4

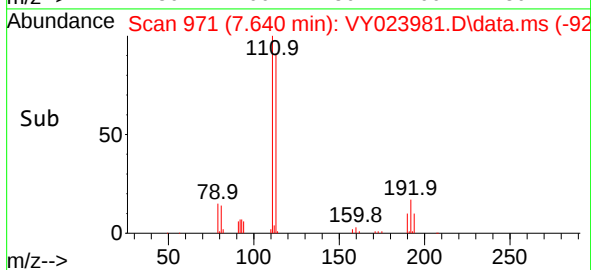
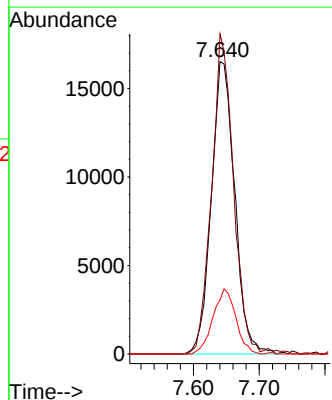
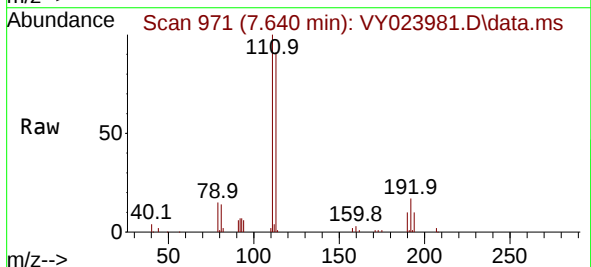
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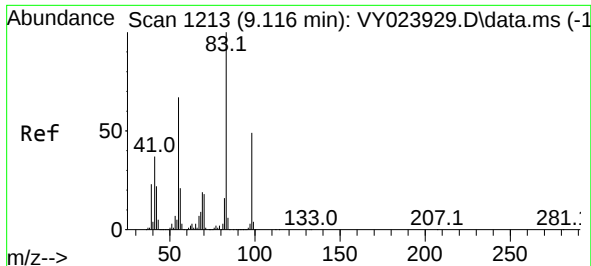
Reviewed By :Semsettin Yesilyurt 12/16/2025
Supervised By :Mahesh Dadoda 12/16/2025



#35
Dibromofluoromethane
Concen: 43.336 ug/l
RT: 7.640 min Scan# 971
Delta R.T. 0.000 min
Lab File: VY023981.D
Acq: 15 Dec 2025 17:06

Tgt Ion:113 Resp: 40771
Ion Ratio Lower Upper
113 100
111 101.8 82.4 123.6
192 21.8 17.9 26.9





#39

Methylcyclohexane

Concen: 1946.202 ug/l

RT: 9.116 min Scan# 1

Delta R.T. 0.000 min

Lab File: VY023981.D

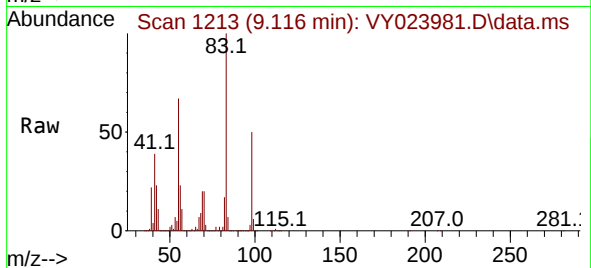
Acq: 15 Dec 2025 17:06

Instrument :

MSVOA_Y

ClientSampleId :

B145(8-10)121025



Tgt Ion: 83 Resp: 333036

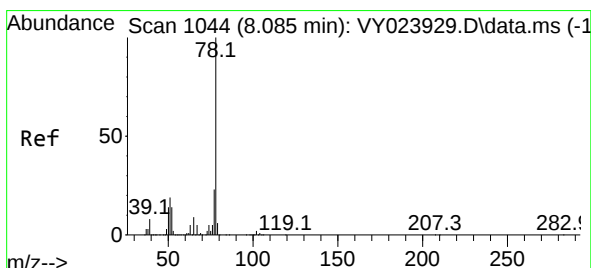
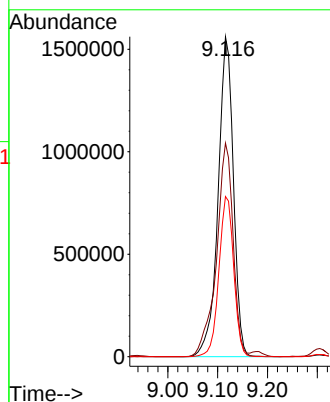
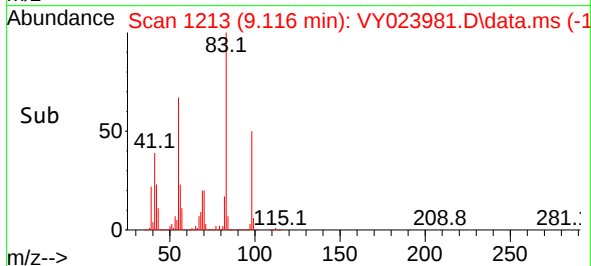
Ion	Ratio	Lower	Upper
83	100		
55	66.8	53.4	80.0
98	50.1	39.2	58.8

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 12/16/2025

Supervised By :Mahesh Dadoda 12/16/2025



#40

Benzene

Concen: 8.530 ug/l

RT: 8.085 min Scan# 1044

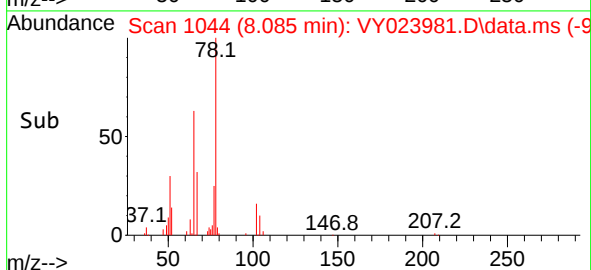
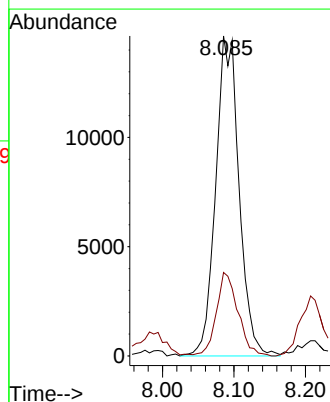
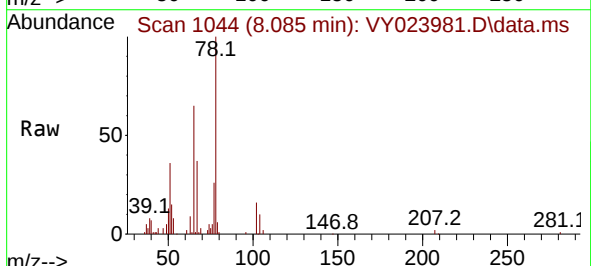
Delta R.T. 0.000 min

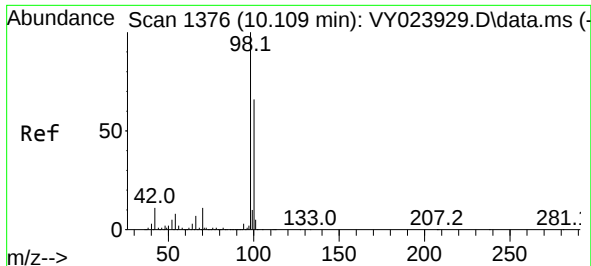
Lab File: VY023981.D

Acq: 15 Dec 2025 17:06

Tgt Ion: 78 Resp: 33271

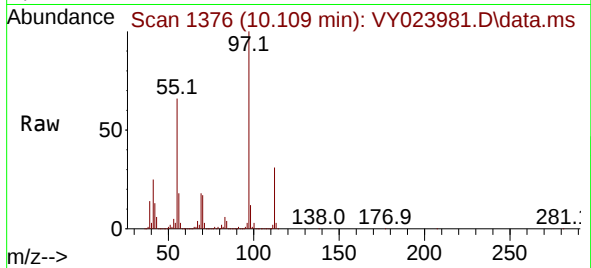
Ion	Ratio	Lower	Upper
78	100		
77	25.7	18.3	27.5





#50
Toluene-d8
Concen: 144.363 ug/l m
RT: 10.109 min Scan# 1376
Delta R.T. 0.000 min
Lab File: VY023981.D
Acq: 15 Dec 2025 17:06

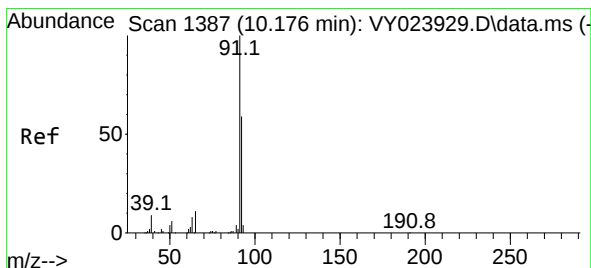
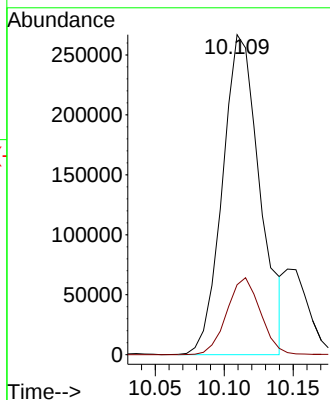
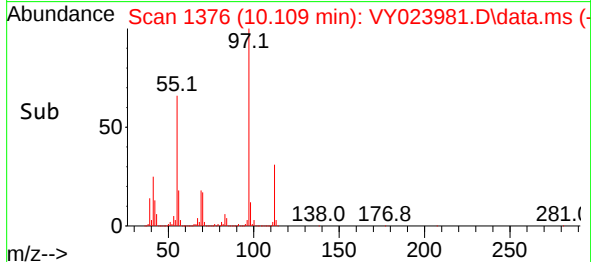
Instrument :
MSVOA_Y
ClientSampleId :
B145(8-10)121025



Tgt Ion: 98 Resp: 50566
Ion Ratio Lower Upper
98 100
100 21.6 52.8 79.2

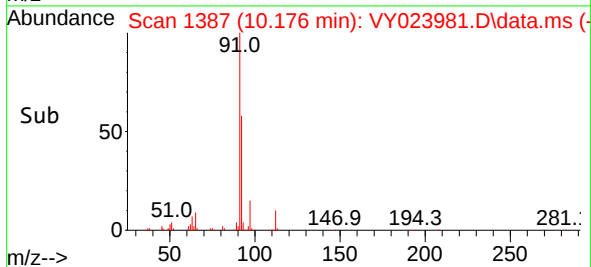
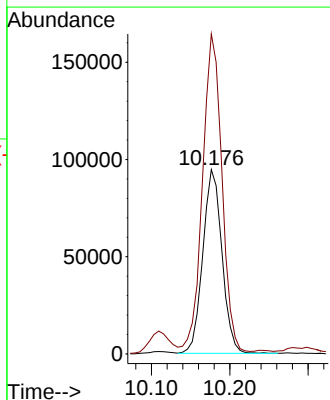
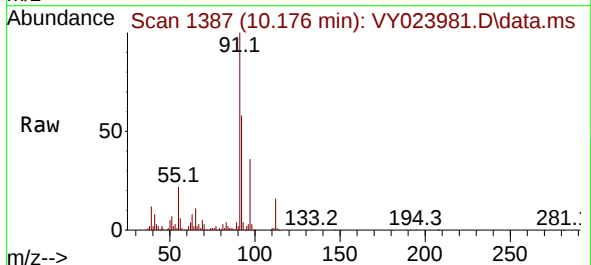
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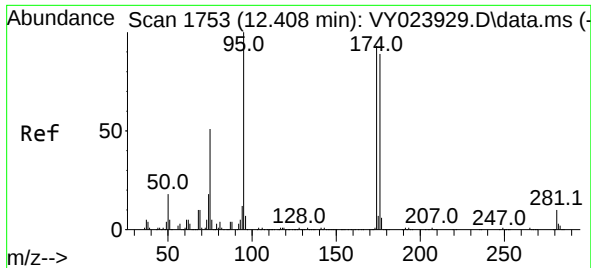
Reviewed By :Semsettin Yesilyurt 12/16/2025
Supervised By :Mahesh Dadoda 12/16/2025



#52
Toluene
Concen: 61.998 ug/l
RT: 10.176 min Scan# 1387
Delta R.T. 0.000 min
Lab File: VY023981.D
Acq: 15 Dec 2025 17:06

Tgt Ion: 92 Resp: 160015
Ion Ratio Lower Upper
92 100
91 175.7 135.8 203.6





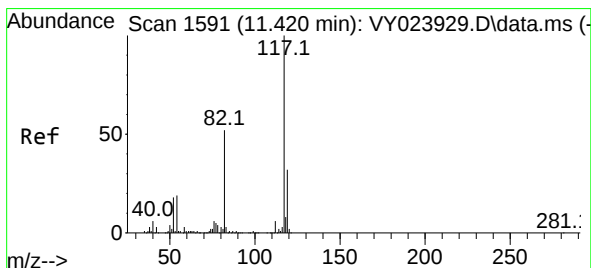
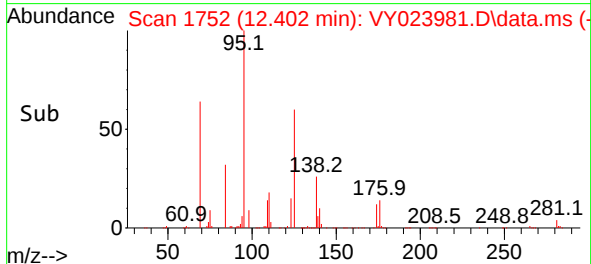
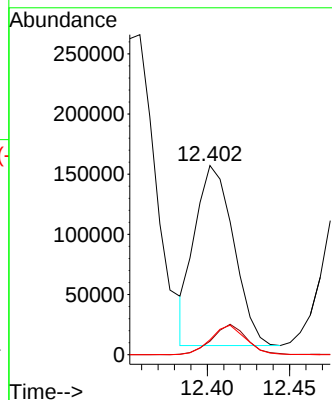
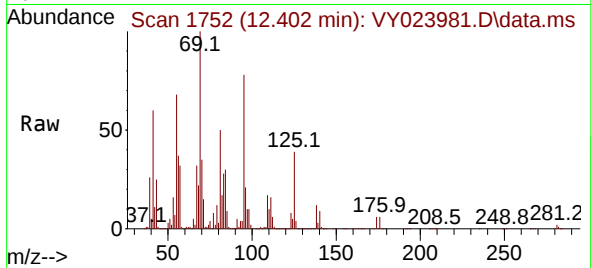
#62
4-Bromofluorobenzene
Concen: 210.123 ug/l
RT: 12.402 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY023981.D
Acq: 15 Dec 2025 17:06

Instrument :
MSVOA_Y
ClientSampleId :
B145(8-10)121025

Tgt Ion: 95 Resp: 245793
Ion Ratio Lower Upper
95 100
174 15.2 0.0 187.4
176 14.8 0.0 179.6

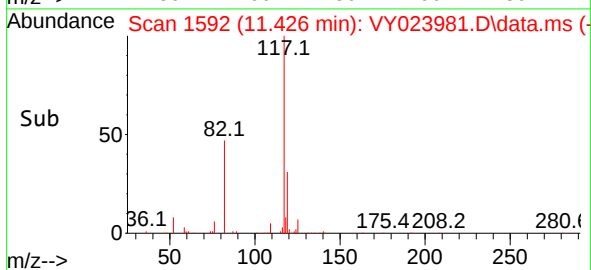
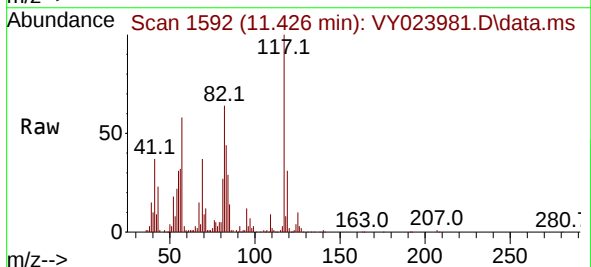
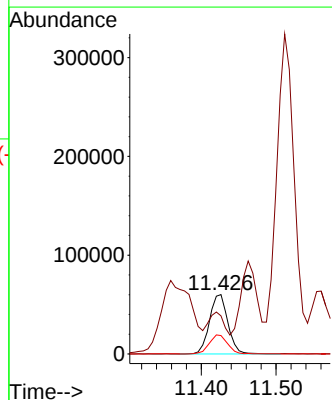
Manual Integrations
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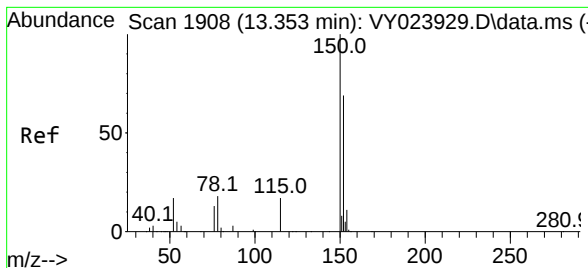
Reviewed By :Semsettin Yesilyurt 12/16/2025
Supervised By :Mahesh Dadoda 12/16/2025



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.426 min Scan# 1592
Delta R.T. 0.006 min
Lab File: VY023981.D
Acq: 15 Dec 2025 17:06

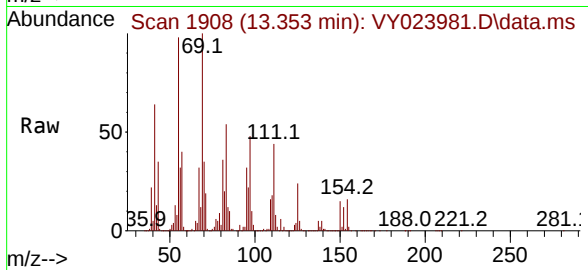
Tgt Ion:117 Resp: 102793
Ion Ratio Lower Upper
117 100
82 0.0 41.4 62.2#
119 30.9 25.5 38.3





#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.353 min Scan# 1908
Delta R.T. 0.000 min
Lab File: VY023981.D
Acq: 15 Dec 2025 17:06

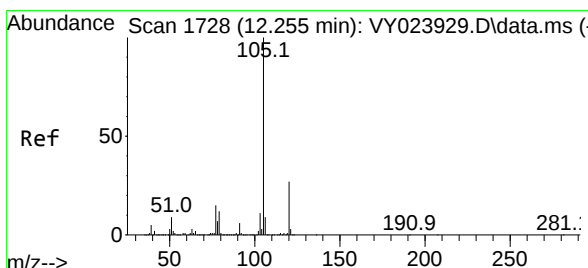
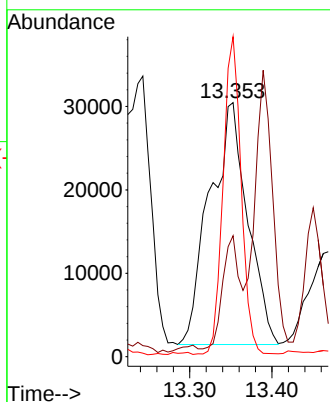
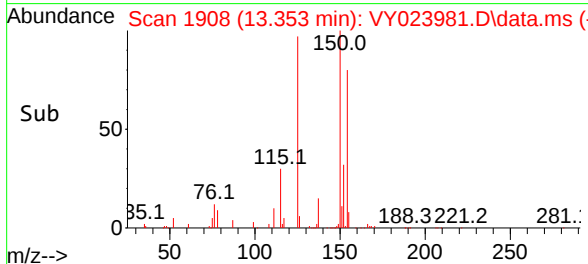
Instrument :
MSVOA_Y
ClientSampleId :
B145(8-10)121025



Tgt Ion:152 Resp: 9292
Ion Ratio Lower Upper
152 100
115 21.2 27.3 81.9
150 62.7 0.0 347.6

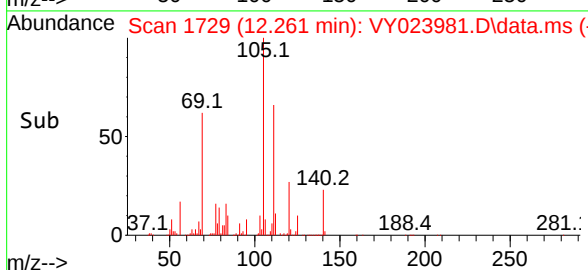
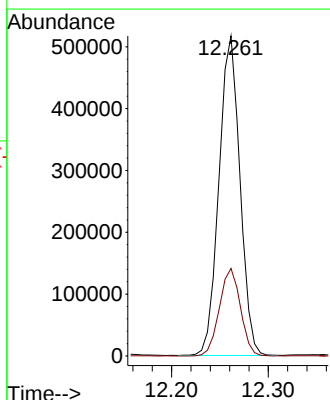
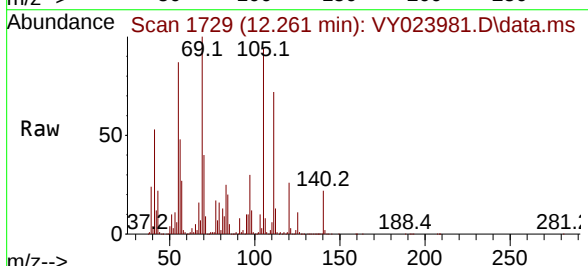
Manual Integrations
APPROVED

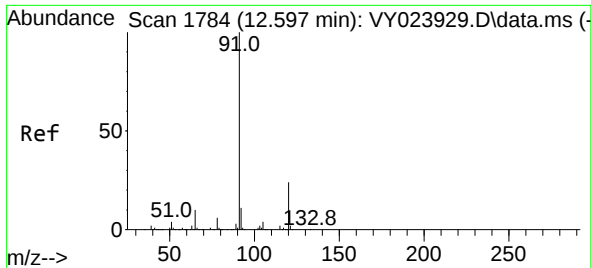
Reviewed By :Semsettin Yesilyurt 12/16/2025
Supervised By :Mahesh Dadoda 12/16/2025



#73
Isopropylbenzene
Concen: 114.571 ug/l
RT: 12.261 min Scan# 1729
Delta R.T. 0.006 min
Lab File: VY023981.D
Acq: 15 Dec 2025 17:06

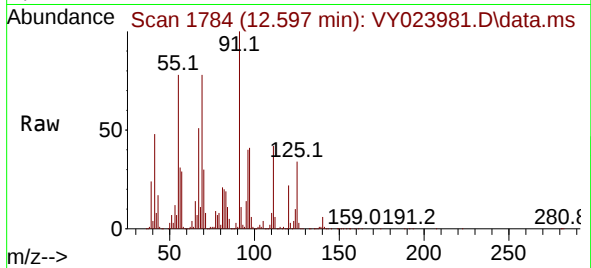
Tgt Ion:105 Resp: 778039
Ion Ratio Lower Upper
105 100
120 27.4 13.7 41.0





#78
n-propylbenzene
Concen: 80.606 ug/l
RT: 12.597 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY023981.D
Acq: 15 Dec 2025 17:06

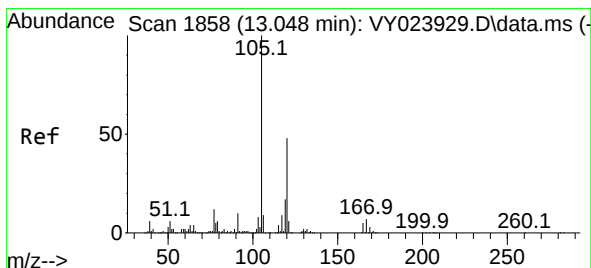
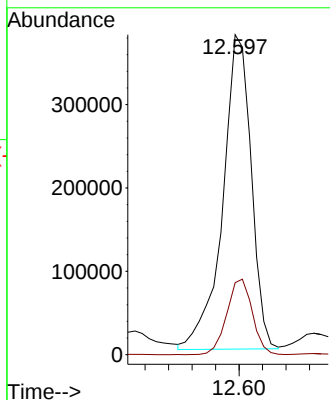
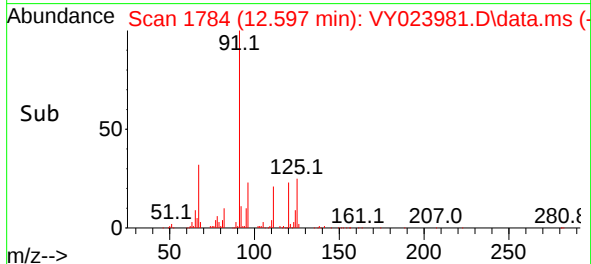
Instrument :
MSVOA_Y
ClientSampleId :
B145(8-10)121025



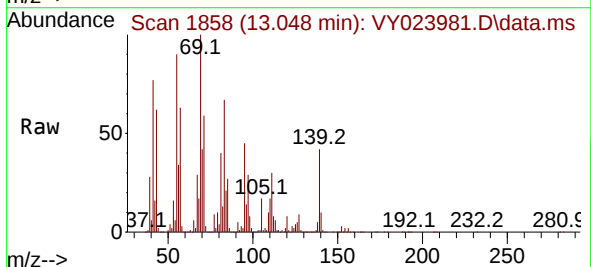
Tgt Ion: 91 Resp: 63686
Ion Ratio Lower Upper
91 100
120 21.5 12.0 36.0

Manual Integrations
APPROVED

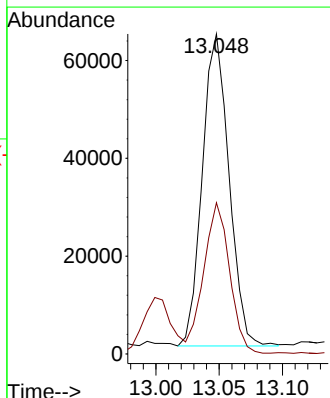
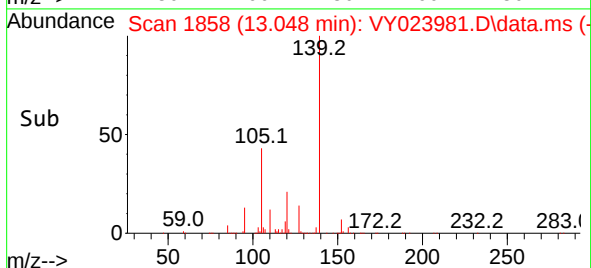
Reviewed By :Semsettin Yesilyurt 12/16/2025
Supervised By :Mahesh Dadoda 12/16/2025

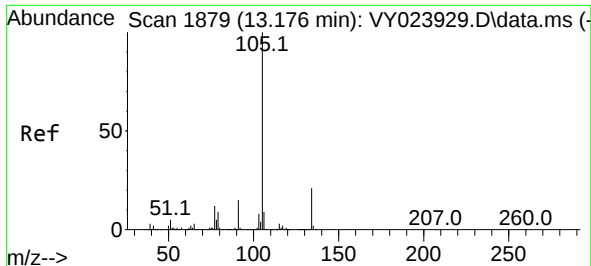


#84
1,2,4-Trimethylbenzene
Concen: 17.472 ug/l
RT: 13.048 min Scan# 1858
Delta R.T. 0.000 min
Lab File: VY023981.D
Acq: 15 Dec 2025 17:06



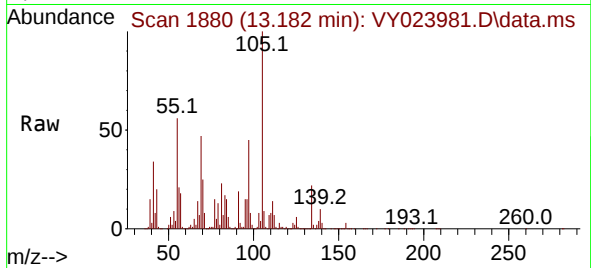
Tgt Ion:105 Resp: 93772
Ion Ratio Lower Upper
105 100
120 46.4 23.4 70.3





#85
 sec-Butylbenzene
 Concen: 199.157 ug/l
 RT: 13.182 min Scan# 1880
 Delta R.T. 0.006 min
 Lab File: VY023981.D
 Acq: 15 Dec 2025 17:06

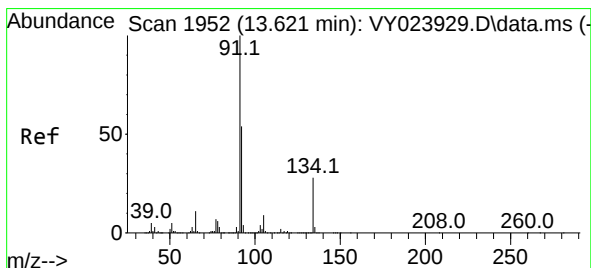
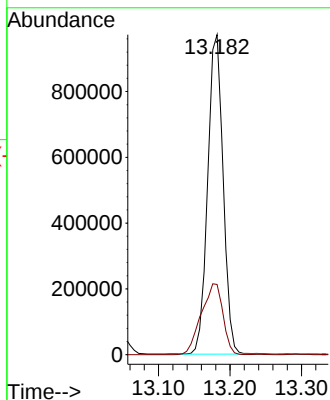
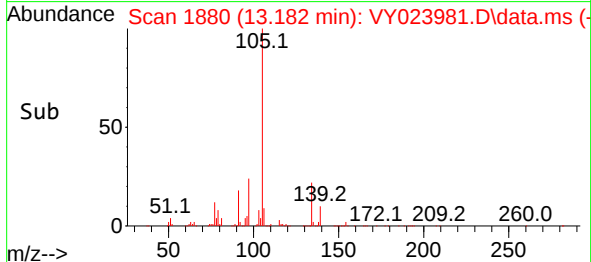
Instrument :
 MSVOA_Y
 ClientSampleId :
 B145(8-10)121025



Tgt Ion:105 Resp: 145424
 Ion Ratio Lower Upper
 105 100
 134 31.1 10.6 31.8

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 12/16/2025
 Supervised By :Mahesh Dadoda 12/16/2025



#89
 n-Butylbenzene
 Concen: 74.500 ug/l
 RT: 13.621 min Scan# 1952
 Delta R.T. 0.000 min
 Lab File: VY023981.D
 Acq: 15 Dec 2025 17:06

Tgt Ion: 91 Resp: 402860
 Ion Ratio Lower Upper
 91 100
 92 51.3 26.9 80.6
 134 32.1 13.9 41.6

