

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY121125\
 Data File : VY023958.D
 Acq On : 11 Dec 2025 16:28
 Operator : SY/MD
 Sample : Q3834-29
 Misc : 11.93g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 B127(5.5-8)120925

Manual Integrations
 APPROVED

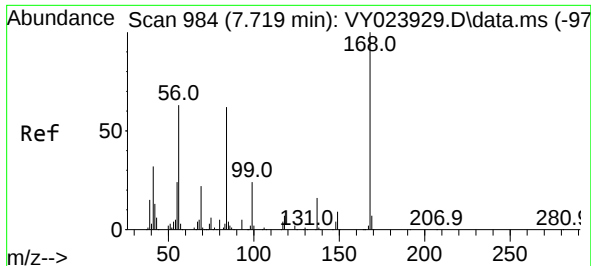
Reviewed By : Semsettin Yesilyurt 12/12/2025
 Supervised By : Mahesh Dadoda 12/12/2025

Quant Time: Dec 12 03:25:57 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)

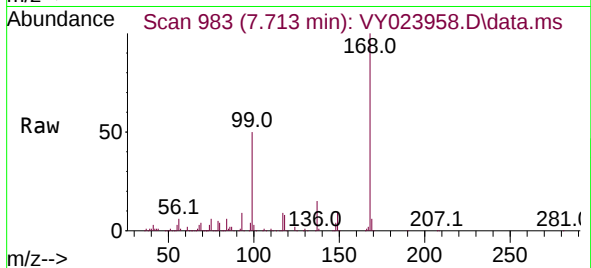
Internal Standards						
1) Pentafluorobenzene	7.713	168	354418	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	527728	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	482887	50.000	ug/l	# 0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	546103	50.000	ug/l	# 0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	158576	50.605	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 101.220%			
35) Dibromofluoromethane	7.640	113	170416	49.400	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 98.800%			
50) Toluene-d8	10.109	98	1190747	92.711	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 185.420%#			
62) 4-Bromofluorobenzene	12.402	95	1190401	277.534	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 555.060%#			
Target Compounds						
					Qvalue	
8) Diethyl Ether	3.464	74	13319	8.254	ug/l	99
16) Acetone	3.873	43	36143	13.891	ug/l	98
17) Carbon Disulfide	4.116	76	20358	2.384	ug/l	97
22) Diisopropyl ether	6.031	45	23878	2.548	ug/l	# 90
40) Benzene	8.085	78	14618	1.022	ug/l	97
52) Toluene	10.176	92	35576	3.759	ug/l	98
73) Isopropylbenzene	12.255	105	1547926	38.785	ug/l	99
78) n-propylbenzene	12.597	91	1200016	25.843	ug/l	90
85) sec-Butylbenzene	13.176	105	2432294	56.679	ug/l	# 69
89) n-Butylbenzene	13.621	91	543362m	17.098	ug/l	

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



#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 984
Delta R.T. -0.006 min
Lab File: VY023958.D
Acq: 11 Dec 2025 16:28

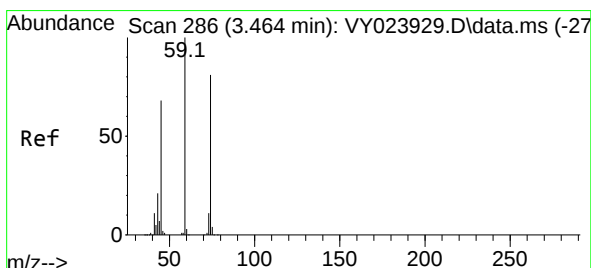
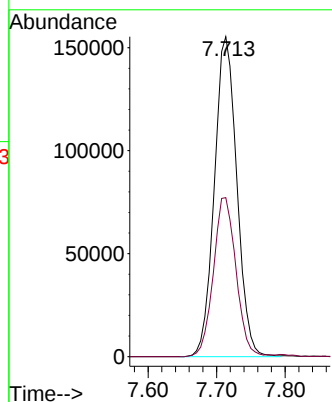
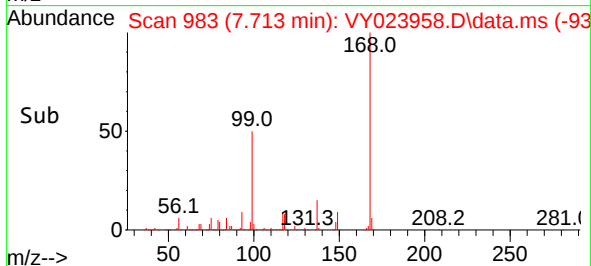
Instrument :
MSVOA_Y
ClientSampleId :
B127(5.5-8)120925



Tgt Ion:168 Resp: 354418
Ion Ratio Lower Upper
168 100
99 49.7 38.9 58.3

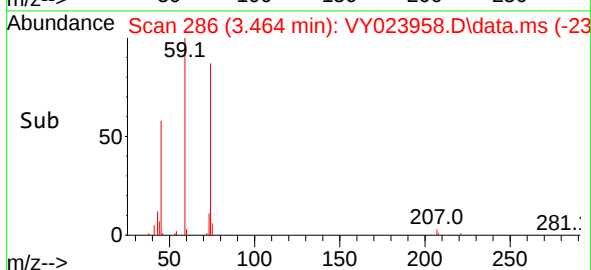
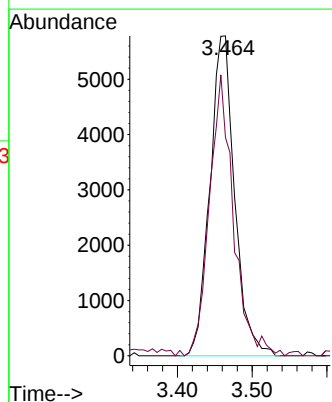
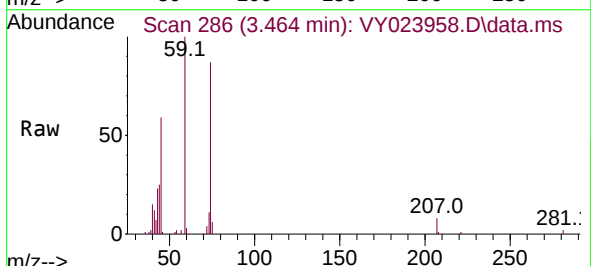
Manual Integrations
APPROVED

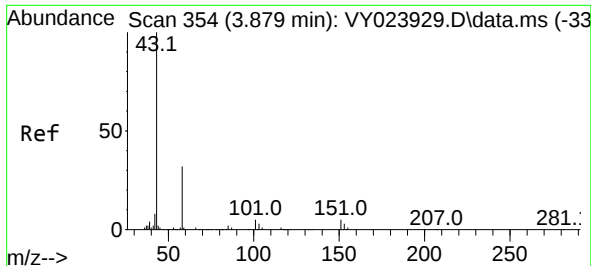
Reviewed By :Semsettin Yesilyurt 12/12/2025
Supervised By :Mahesh Dadoda 12/12/2025



#8
Diethyl Ether
Concen: 8.254 ug/l
RT: 3.464 min Scan# 286
Delta R.T. 0.000 min
Lab File: VY023958.D
Acq: 11 Dec 2025 16:28

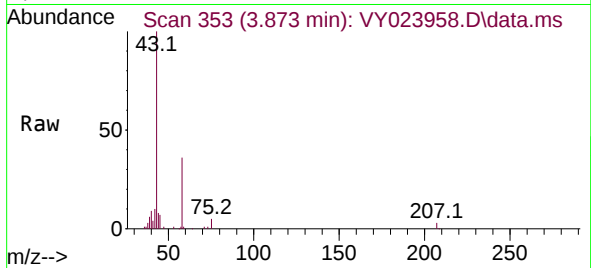
Tgt Ion: 74 Resp: 13319
Ion Ratio Lower Upper
74 100
45 85.0 42.0 126.1





#16
Acetone
Concen: 13.891 ug/l
RT: 3.873 min Scan# 354
Delta R.T. -0.006 min
Lab File: VY023958.D
Acq: 11 Dec 2025 16:28

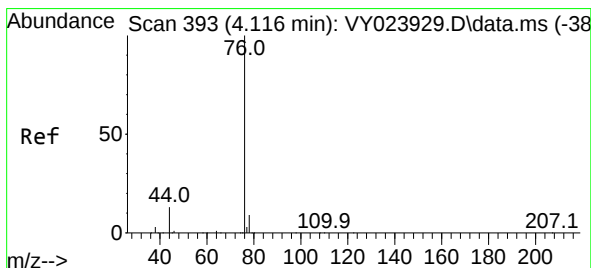
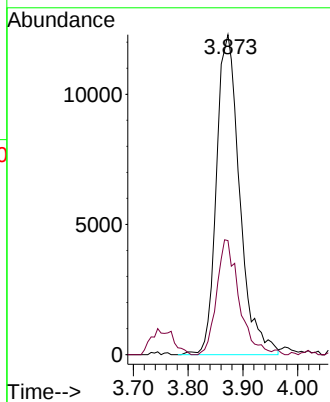
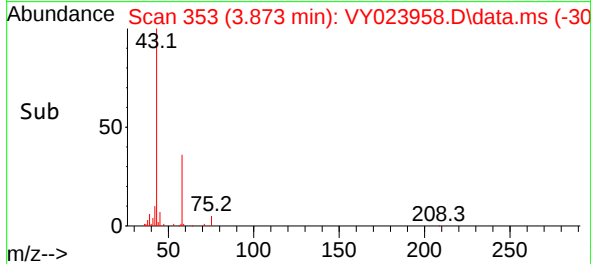
Instrument :
MSVOA_Y
ClientSampleId :
B127(5.5-8)120925



Tgt Ion: 43 Resp: 36143
Ion Ratio Lower Upper
43 100
58 34.2 26.4 39.6

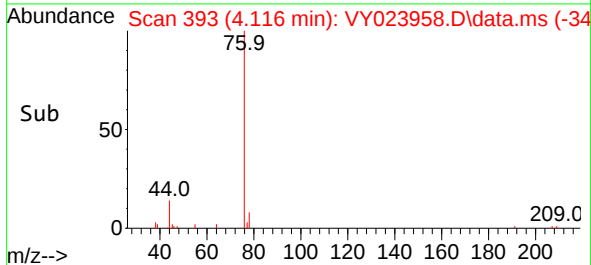
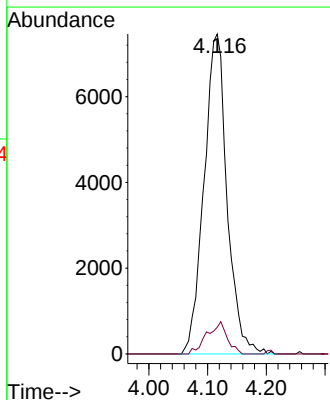
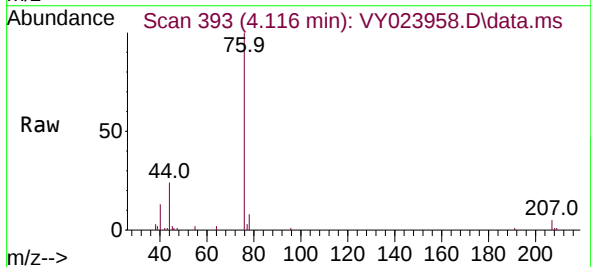
Manual Integrations
APPROVED

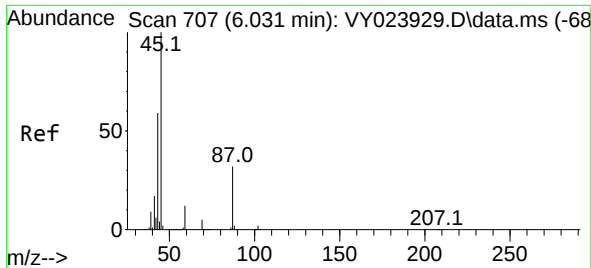
Reviewed By :Semsettin Yesilyurt 12/12/2025
Supervised By :Mahesh Dadoda 12/12/2025



#17
Carbon Disulfide
Concen: 2.384 ug/l
RT: 4.116 min Scan# 393
Delta R.T. 0.000 min
Lab File: VY023958.D
Acq: 11 Dec 2025 16:28

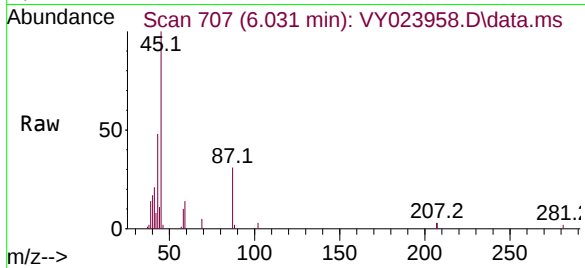
Tgt Ion: 76 Resp: 20358
Ion Ratio Lower Upper
76 100
78 8.3 7.4 11.2





#22
Diisopropyl ether
Concen: 2.548 ug/l
RT: 6.031 min Scan# 707
Delta R.T. 0.000 min
Lab File: VY023958.D
Acq: 11 Dec 2025 16:28

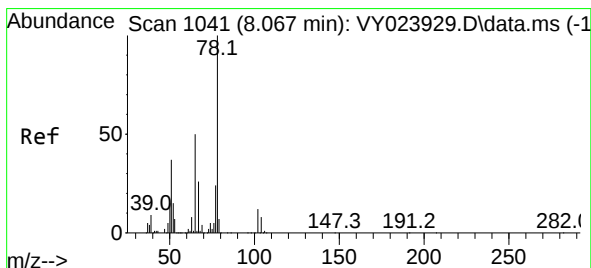
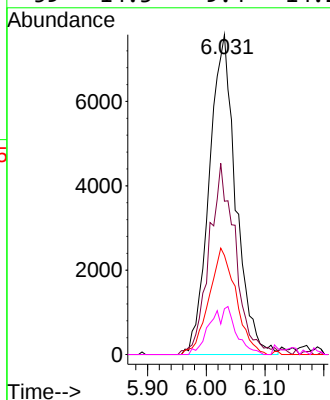
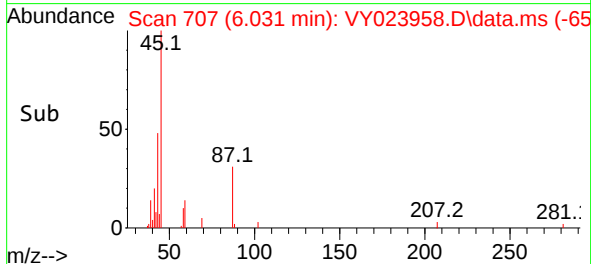
Instrument :
MSVOA_Y
ClientSampleId :
B127(5.5-8)120925



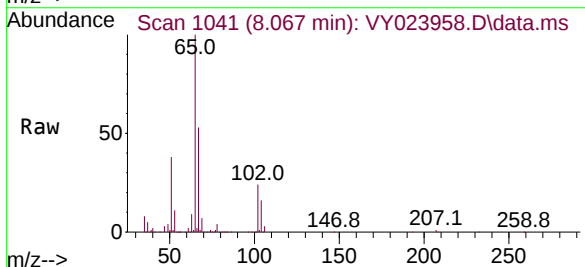
Tgt Ion	Ratio	Lower	Upper
45	100		
43	47.9	47.0	70.6
87	31.0	26.0	39.0
59	14.3	9.4	14.2

Manual Integrations
APPROVED

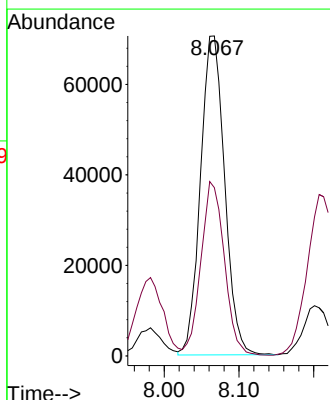
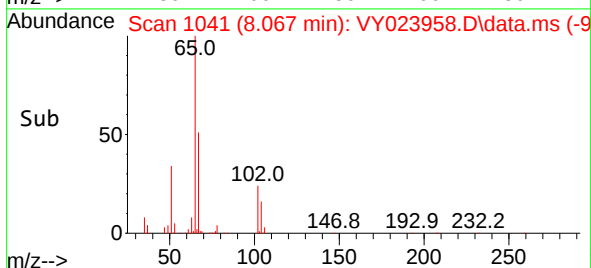
Reviewed By :Semsettin Yesilyurt 12/12/2025
Supervised By :Mahesh Dadoda 12/12/2025

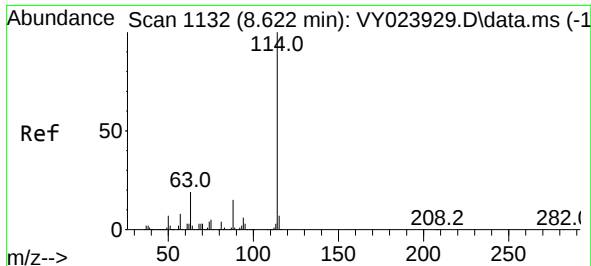


#33
1,2-Dichloroethane-d4
Concen: 50.605 ug/l
RT: 8.067 min Scan# 1041
Delta R.T. 0.000 min
Lab File: VY023958.D
Acq: 11 Dec 2025 16:28



Tgt Ion	Ratio	Lower	Upper
65	100		
67	52.5	0.0	106.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1132

Delta R.T. -0.006 min

Lab File: VY023958.D

Acq: 11 Dec 2025 16:28

Instrument :

MSVOA_Y

ClientSampleId :

B127(5.5-8)120925

Tgt Ion:114 Resp: 527728

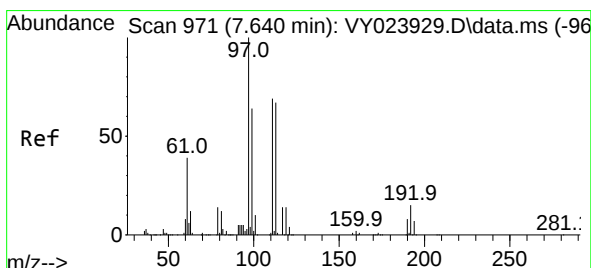
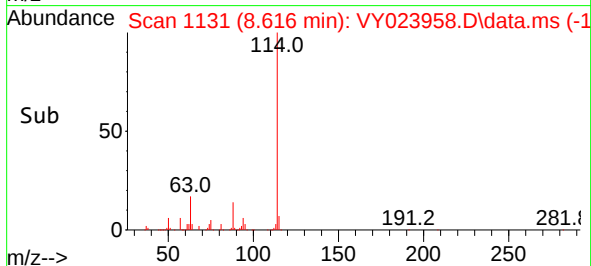
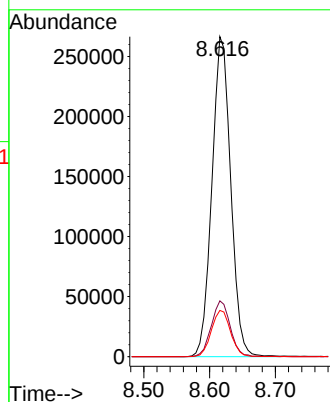
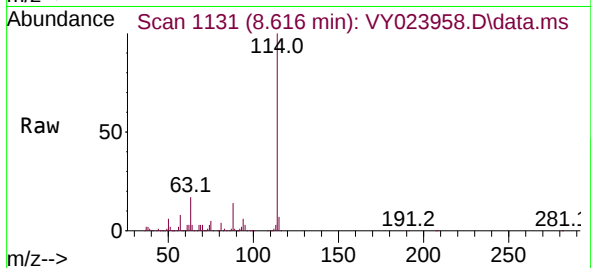
Ion	Ratio	Lower	Upper
114	100		
63	17.4	0.0	37.2
88	14.4	0.0	29.4

Manual Integrations

APPROVED

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Supervised By :Mahesh Dadoda 12/12/2025



#35

Dibromofluoromethane

Concen: 49.400 ug/l

RT: 7.640 min Scan# 971

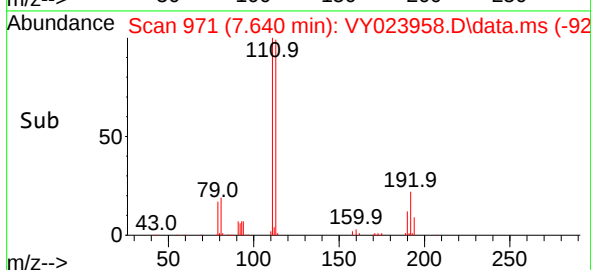
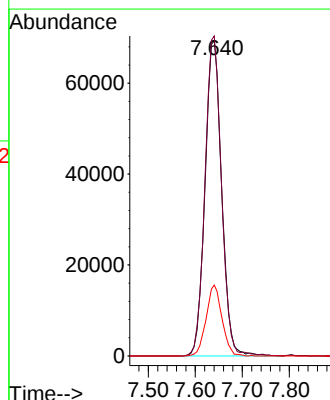
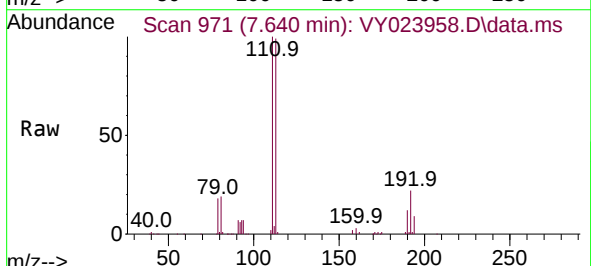
Delta R.T. 0.000 min

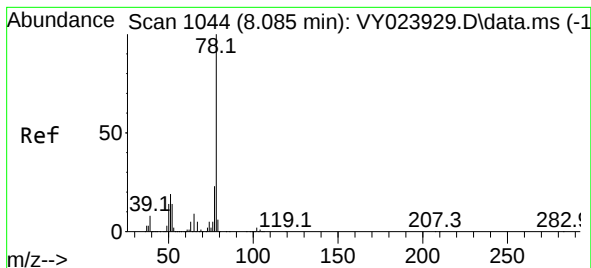
Lab File: VY023958.D

Acq: 11 Dec 2025 16:28

Tgt Ion:113 Resp: 170416

Ion	Ratio	Lower	Upper
113	100		
111	100.9	82.4	123.6
192	21.4	17.9	26.9





#40

Benzene

Concen: 1.022 ug/l

RT: 8.085 min Scan# 1044

Delta R.T. 0.000 min

Lab File: VY023958.D

Acq: 11 Dec 2025 16:28

Instrument :

MSVOA_Y

ClientSampleId :

B127(5.5-8)120925

Tgt Ion: 78 Resp: 14618

Ion Ratio Lower Upper

78 100

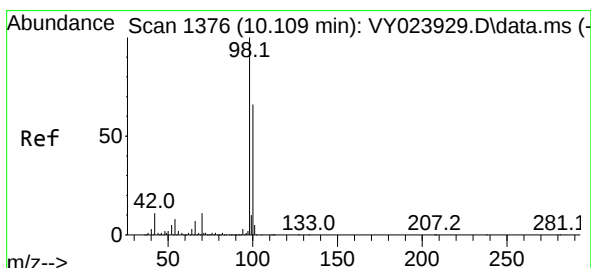
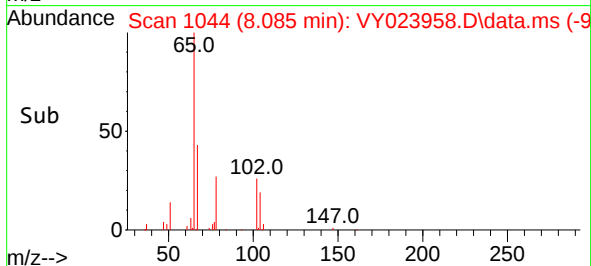
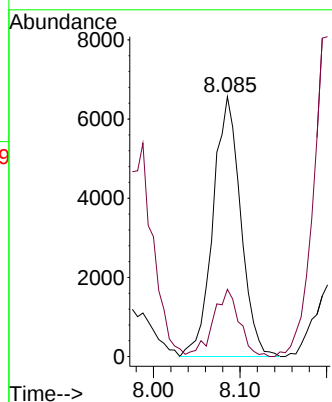
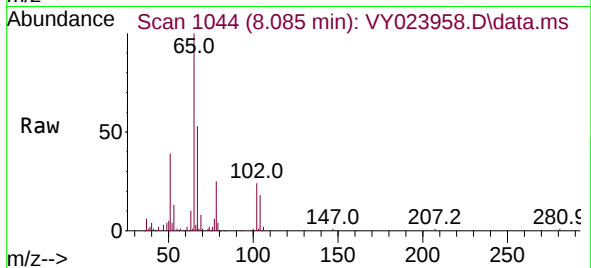
77 24.1 18.3 27.5

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 12/12/2025

Supervised By :Mahesh Dadoda 12/12/2025



#50

Toluene-d8

Concen: 92.711 ug/l

RT: 10.109 min Scan# 1376

Delta R.T. 0.000 min

Lab File: VY023958.D

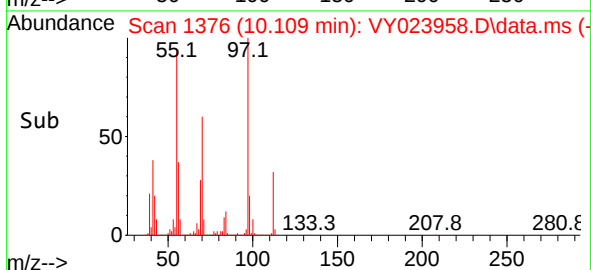
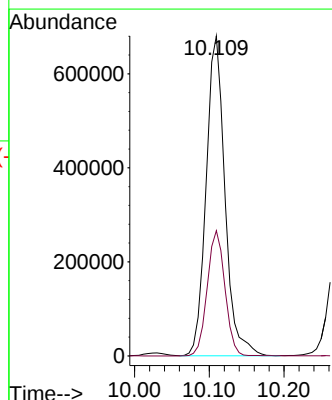
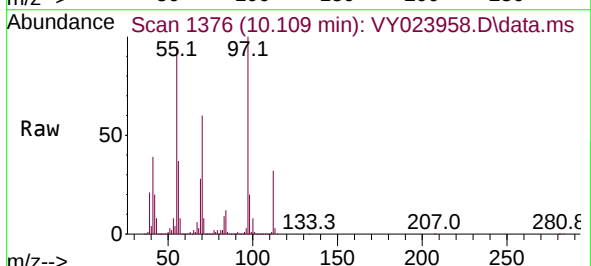
Acq: 11 Dec 2025 16:28

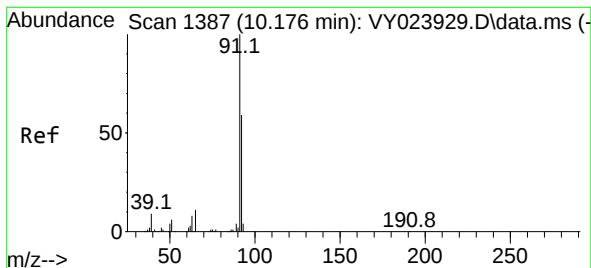
Tgt Ion: 98 Resp: 1190747

Ion Ratio Lower Upper

98 100

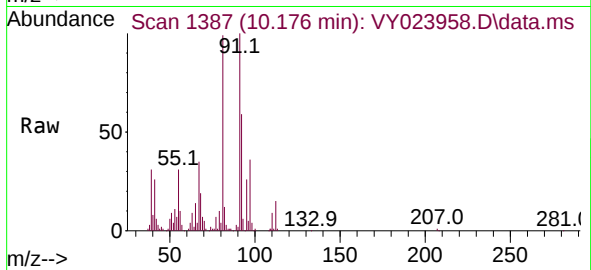
100 36.6 52.8 79.2#





#52
Toluene
Concen: 3.759 ug/l
RT: 10.176 min Scan# 1387
Delta R.T. 0.000 min
Lab File: VY023958.D
Acq: 11 Dec 2025 16:28

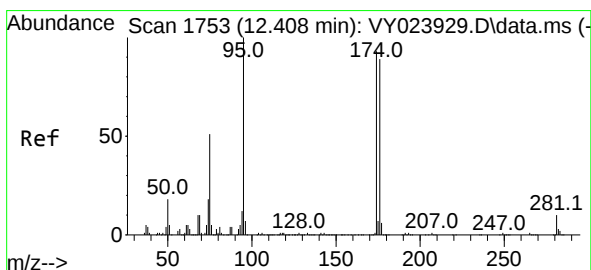
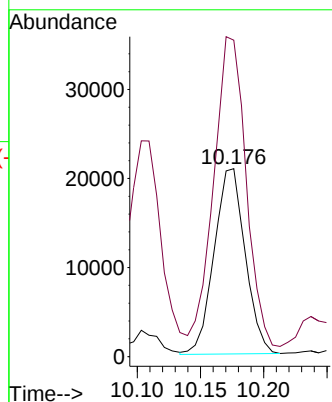
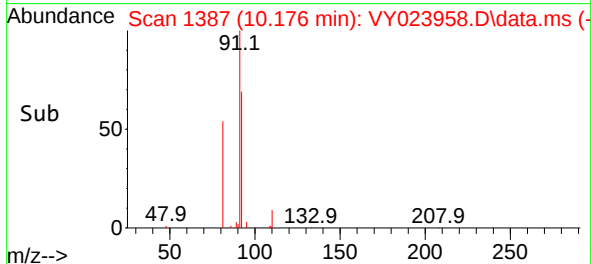
Instrument :
MSVOA_Y
ClientSampleId :
B127(5.5-8)120925



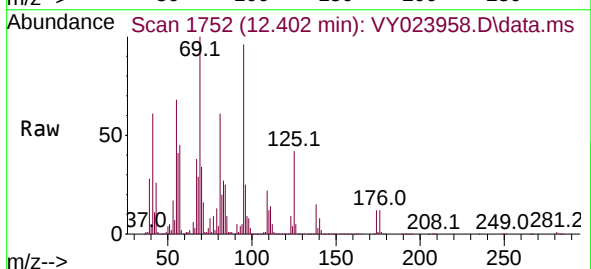
Tgt Ion: 92 Resp: 35576
Ion Ratio Lower Upper
92 100
91 172.6 135.8 203.6

Manual Integrations
APPROVED

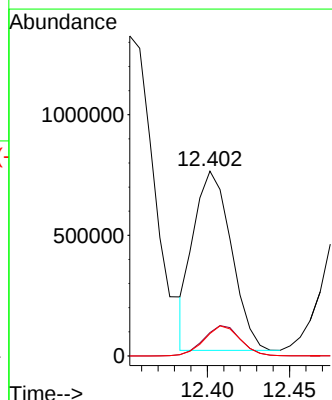
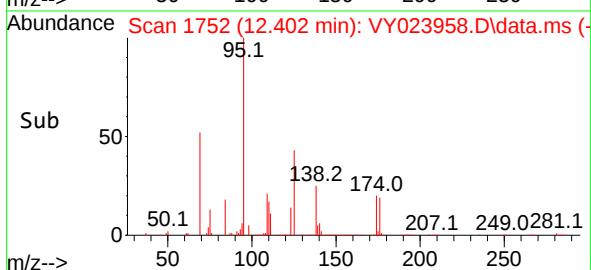
Reviewed By :Semsettin Yesilyurt 12/12/2025
Supervised By :Mahesh Dadoda 12/12/2025

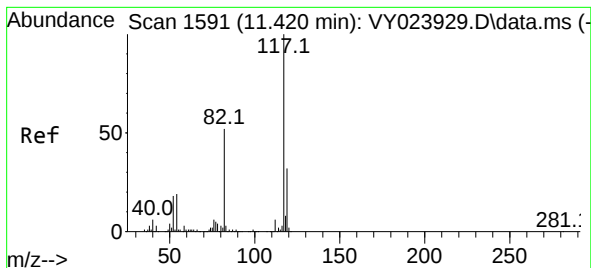


#62
4-Bromofluorobenzene
Concen: 277.534 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. -0.006 min
Lab File: VY023958.D
Acq: 11 Dec 2025 16:28



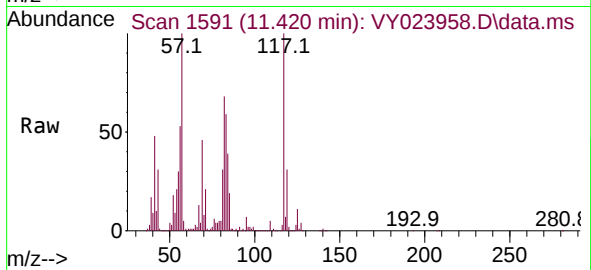
Tgt Ion: 95 Resp: 1190401
Ion Ratio Lower Upper
95 100
174 16.5 0.0 187.4
176 15.9 0.0 179.6





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY023958.D
Acq: 11 Dec 2025 16:28

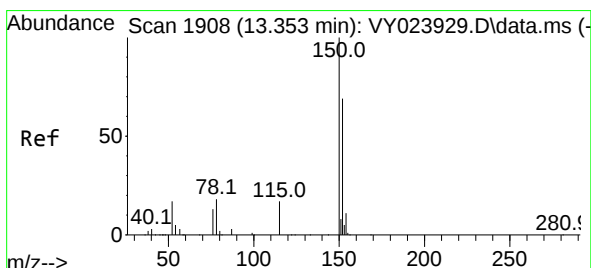
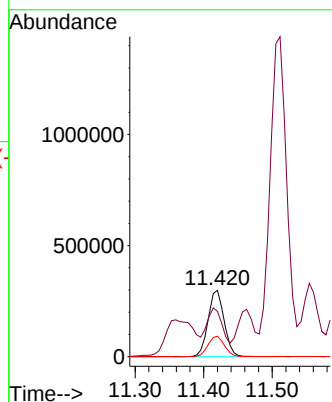
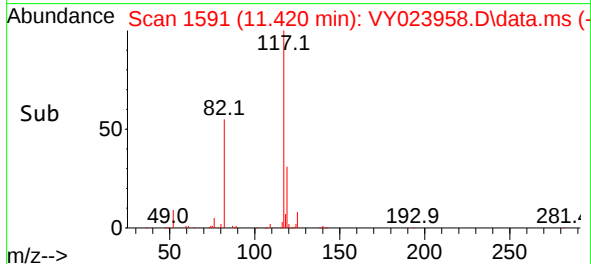
Instrument :
MSVOA_Y
ClientSampleId :
B127(5.5-8)120925



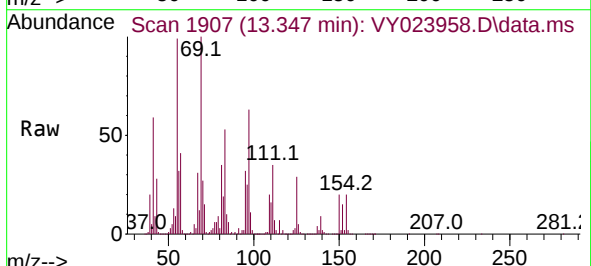
Tgt Ion:117 Resp: 48288
Ion Ratio Lower Upper
117 100
82 15.3 41.4 62.2
119 30.9 25.5 38.3

Manual Integrations
APPROVED

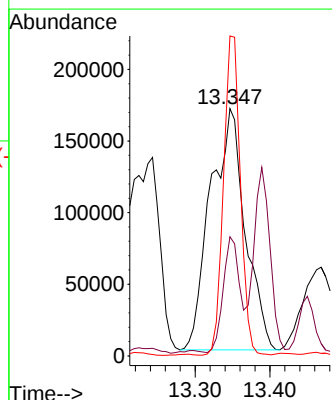
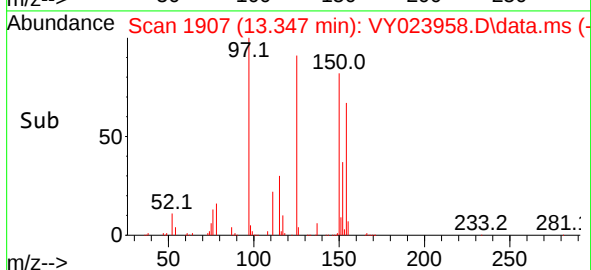
Reviewed By :Semsettin Yesilyurt 12/12/2025
Supervised By :Mahesh Dadoda 12/12/2025

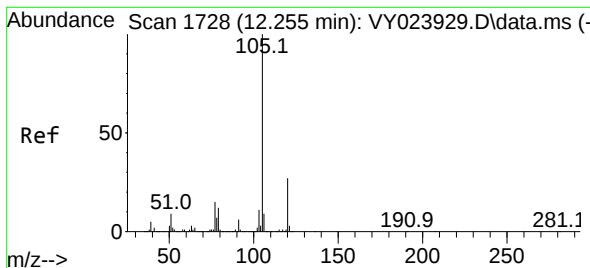


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.347 min Scan# 1907
Delta R.T. -0.006 min
Lab File: VY023958.D
Acq: 11 Dec 2025 16:28



Tgt Ion:152 Resp: 546103
Ion Ratio Lower Upper
152 100
115 22.6 27.3 81.9
150 64.2 0.0 347.6





#73

Isopropylbenzene

Concen: 38.785 ug/l

RT: 12.255 min Scan# 1728

Delta R.T. 0.000 min

Lab File: VY023958.D

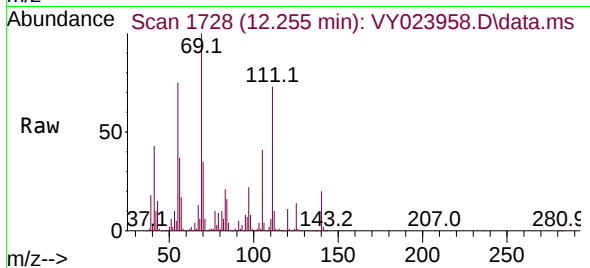
Acq: 11 Dec 2025 16:28

Instrument :

MSVOA_Y

ClientSampleId :

B127(5.5-8)120925



Tgt Ion:105 Resp: 1547926

Ion Ratio Lower Upper

105 100

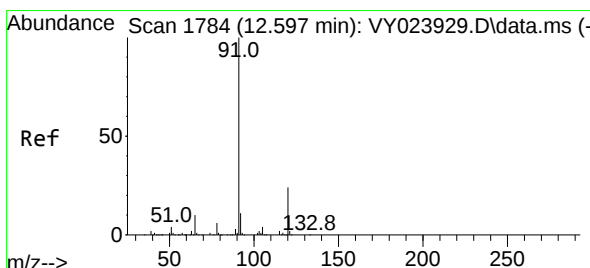
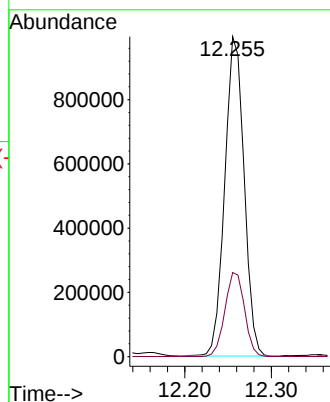
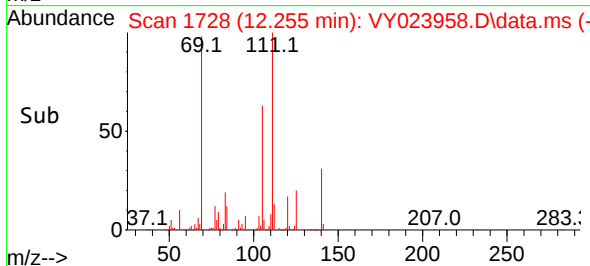
120 26.7 13.7 41.0

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 12/12/2025

Supervised By :Mahesh Dadoda 12/12/2025



#78

n-propylbenzene

Concen: 25.843 ug/l

RT: 12.597 min Scan# 1784

Delta R.T. 0.000 min

Lab File: VY023958.D

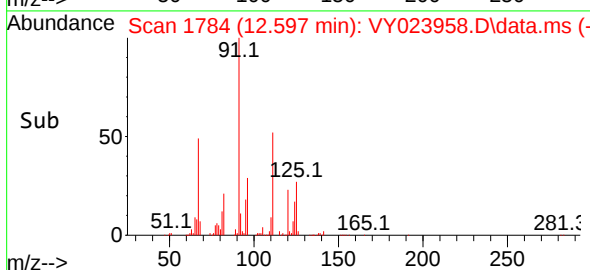
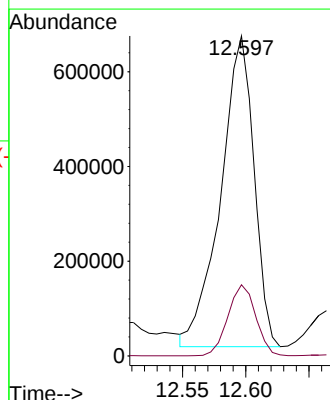
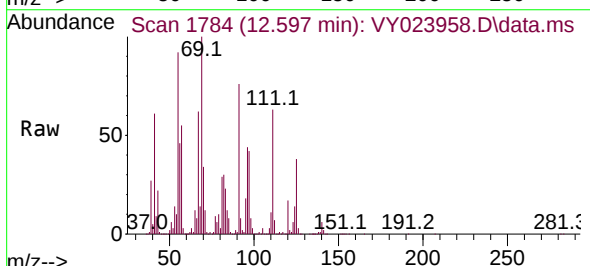
Acq: 11 Dec 2025 16:28

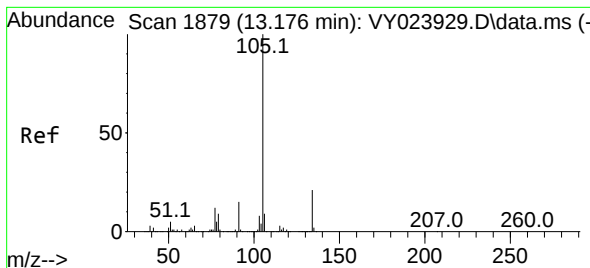
Tgt Ion: 91 Resp: 1200016

Ion Ratio Lower Upper

91 100

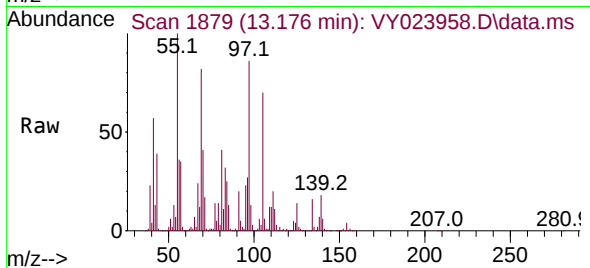
120 19.1 12.0 36.0





#85
sec-Butylbenzene
Concen: 56.679 ug/l
RT: 13.176 min Scan# 1879
Delta R.T. 0.000 min
Lab File: VY023958.D
Acq: 11 Dec 2025 16:28

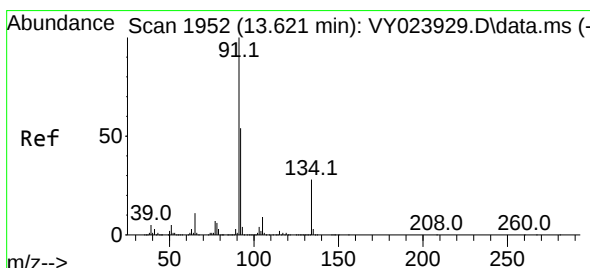
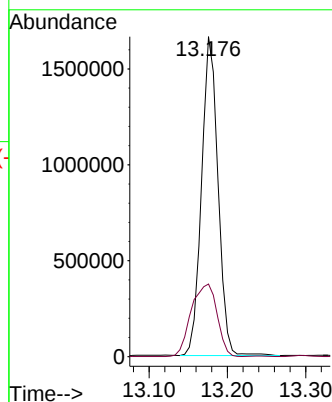
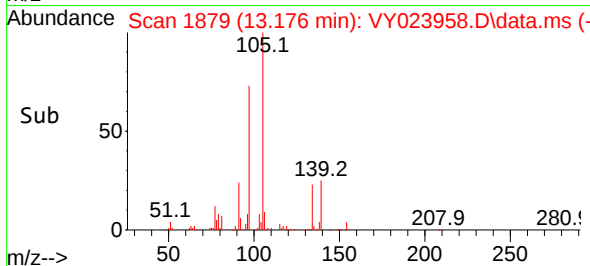
Instrument :
MSVOA_Y
ClientSampleId :
B127(5.5-8)120925



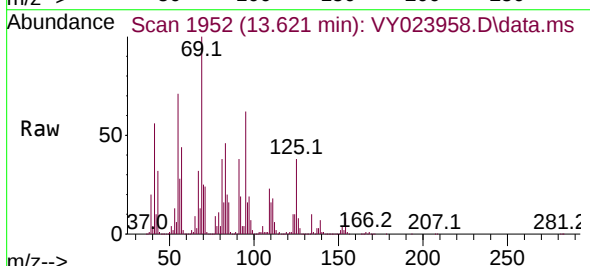
Tgt Ion:105 Resp: 2432294
Ion Ratio Lower Upper
105 100
134 35.7 10.6 31.8#

Manual Integrations
APPROVED

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



#89
n-Butylbenzene
Concen: 17.098 ug/l m
RT: 13.621 min Scan# 1952
Delta R.T. 0.000 min
Lab File: VY023958.D
Acq: 11 Dec 2025 16:28



Tgt Ion: 91 Resp: 543362
Ion Ratio Lower Upper
91 100
92 52.5 26.9 80.6
134 44.4 13.9 41.6#

