

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102025\
 Data File : VY023517.D
 Acq On : 20 Oct 2025 18:33
 Operator : SY/MD
 Sample : Q3393-05
 Misc : 3.08g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 PR132-S08-000013-20251017

Quant Time: Oct 21 04:02:55 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100725S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 08 05:12:50 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Amit Patel 10/21/2025
 Supervised By :Semsettin Yesilyurt 10/21/2025

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

Internal Standards						
1) Pentafluorobenzene	7.713	168	766180	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.615	114	1249126	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	1022154	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	403478	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	331851	51.796	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 103.600%			
35) Dibromofluoromethane	7.640	113	383674	49.988	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 99.980%			
50) Toluene-d8	10.109	98	1427189	49.930	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 99.860%			
62) 4-Bromofluorobenzene	12.401	95	430539	45.623	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 91.240%			
Target Compounds					Qvalue	
16) Acetone	3.872	43	52490	34.413	ug/l	95
17) Carbon Disulfide	4.110	76	141225	7.220	ug/l	99
25) 2-Butanone	6.902	43	21271	11.423	ug/l	91
39) Methylcyclohexane	9.109	83	59623m	4.507	ug/l	
40) Benzene	8.079	78	81685	2.538	ug/l	99
67) Ethyl Benzene	11.517	91	130185	3.618	ug/l	99
68) m/p-Xylenes	11.633	106	75435	5.226	ug/l	89
69) o-Xylene	11.956	106	40646	3.002	ug/l	90
73) Isopropylbenzene	12.255	105	50157	1.886	ug/l	98
84) 1,2,4-Trimethylbenzene	13.042	105	170384	7.946	ug/l	99

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

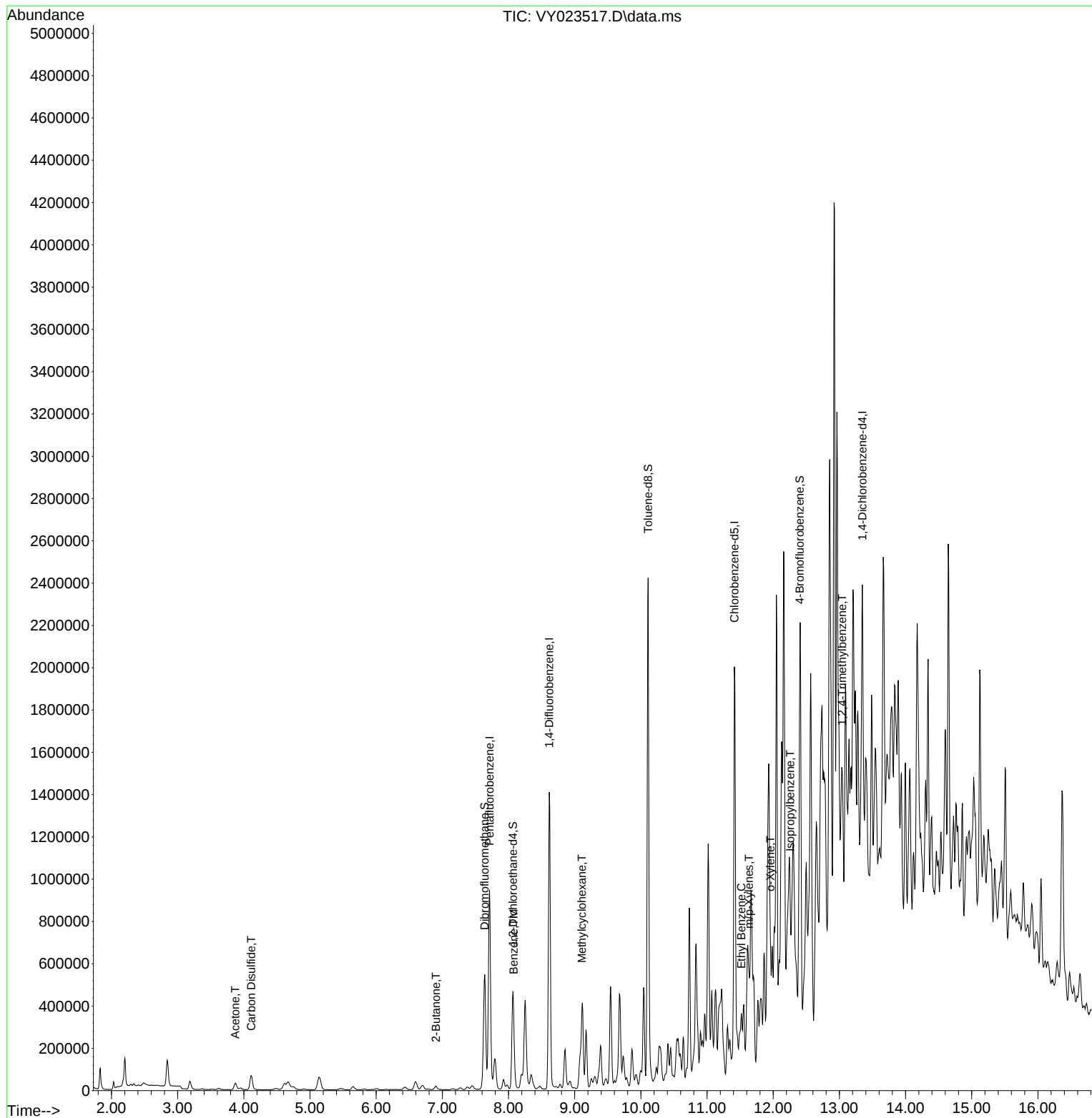
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102025\
Data File : VY023517.D
Acq On : 20 Oct 2025 18:33
Operator : SY/MD
Sample : Q3393-05
Misc : 3.08g/5.0mL/MSVOA_Y/SOIL/A
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PR132-S08-000013-20251017

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Quant Title : SW846 8260
QLast Update : Wed Oct 08 05:12:50 2025
Response via : Initial Calibration

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APPROVED

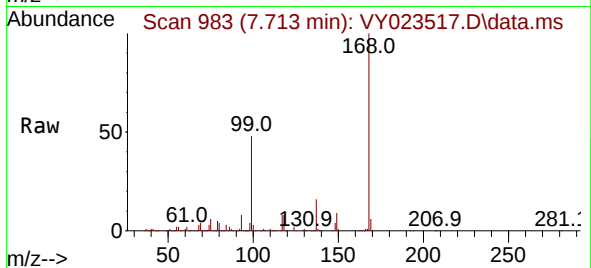
Reviewed By :Amit Patel 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY023517.D
Acq: 20 Oct 2025 18:33

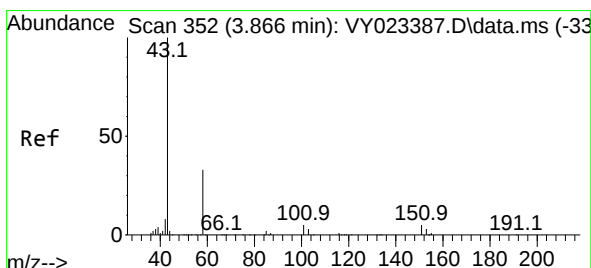
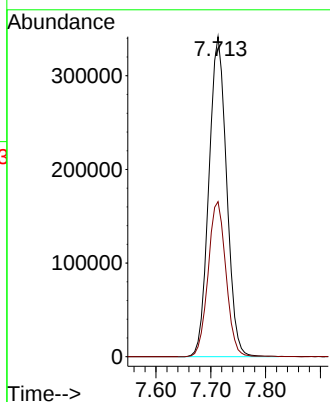
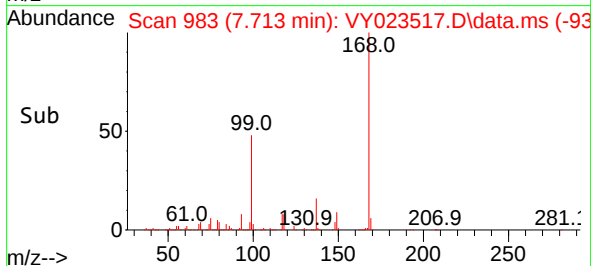
Instrument :
MSVOA_Y
ClientSampleId :
PR132-S08-000013-20251017



Tgt Ion:168 Resp: 766180
Ion Ratio Lower Upper
168 100
99 48.4 39.7 59.5

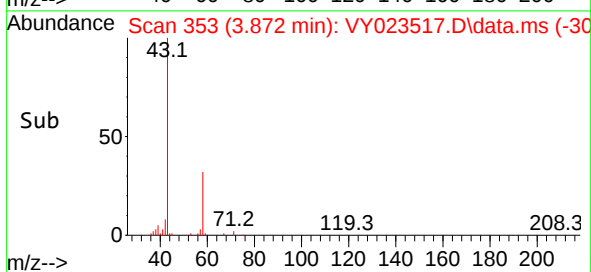
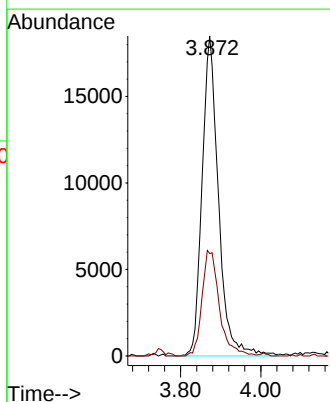
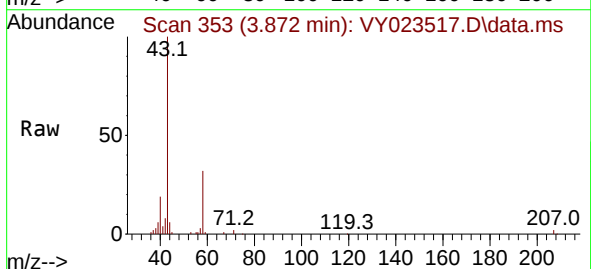
Manual Integrations
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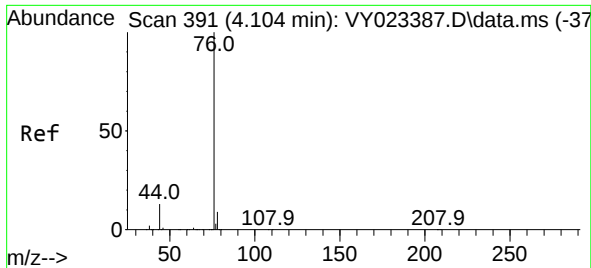
Reviewed By :Amit Patel 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025



#16
Acetone
Concen: 34.413 ug/l
RT: 3.872 min Scan# 353
Delta R.T. 0.006 min
Lab File: VY023517.D
Acq: 20 Oct 2025 18:33

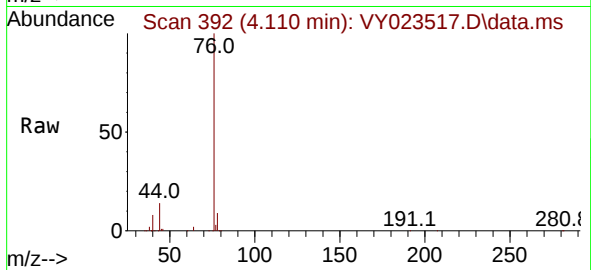
Tgt Ion: 43 Resp: 52490
Ion Ratio Lower Upper
43 100
58 32.0 27.7 41.5





#17
Carbon Disulfide
Concen: 7.220 ug/l
RT: 4.110 min Scan# 391
Delta R.T. 0.006 min
Lab File: VY023517.D
Acq: 20 Oct 2025 18:33

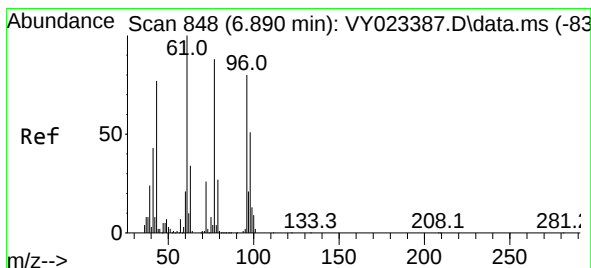
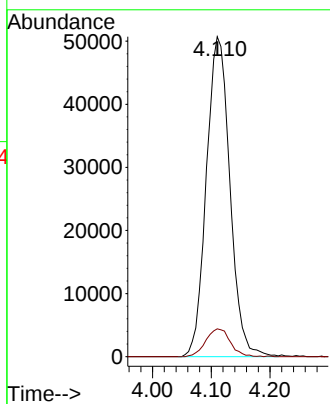
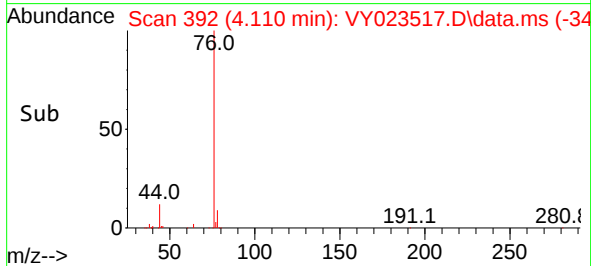
Instrument :
MSVOA_Y
ClientSampleId :
PR132-S08-000013-20251017



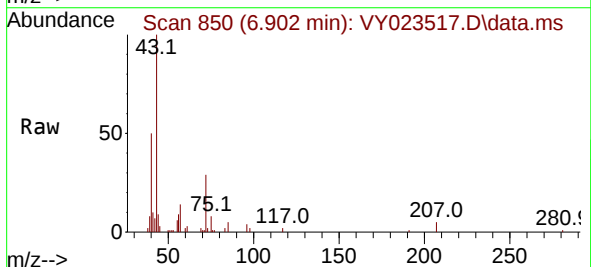
Tgt Ion: 76 Resp: 141225
Ion Ratio Lower Upper
76 100
78 8.7 7.3 10.9

Manual Integrations
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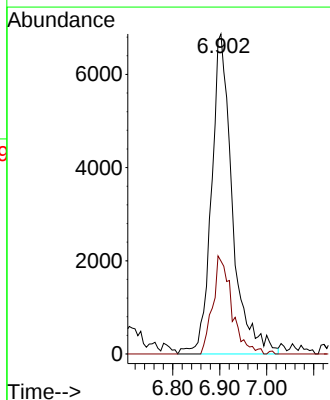
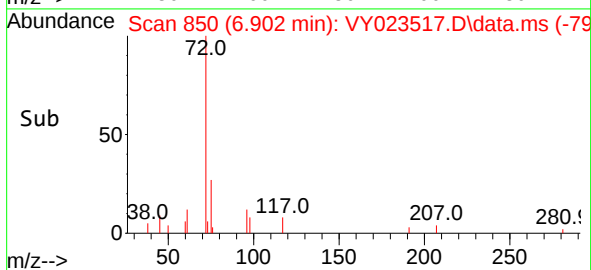
Reviewed By :Amit Patel 10/21/2025
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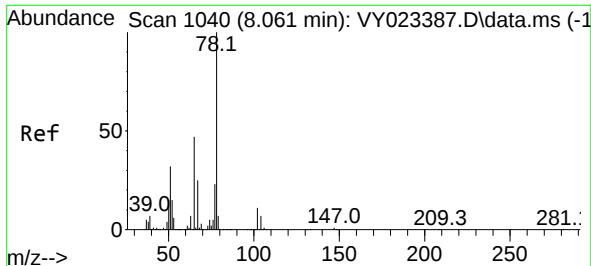


#25
2-Butanone
Concen: 11.423 ug/l
RT: 6.902 min Scan# 850
Delta R.T. 0.012 min
Lab File: VY023517.D
Acq: 20 Oct 2025 18:33



Tgt Ion: 43 Resp: 21271
Ion Ratio Lower Upper
43 100
72 29.1 27.4 41.2





#33

1,2-Dichloroethane-d4

Concen: 51.796 ug/l

RT: 8.067 min Scan# 1040

Delta R.T. 0.006 min

Lab File: VY023517.D

Acq: 20 Oct 2025 18:33

Instrument :

MSVOA_Y

ClientSampleId :

PR132-S08-000013-20251017

Tgt Ion: 65 Resp: 33185

Ion Ratio Lower Upper

65 100

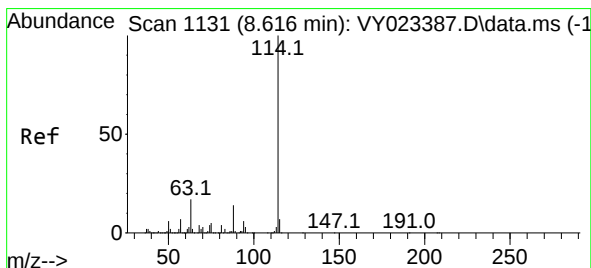
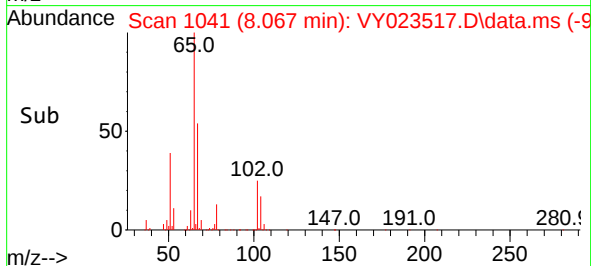
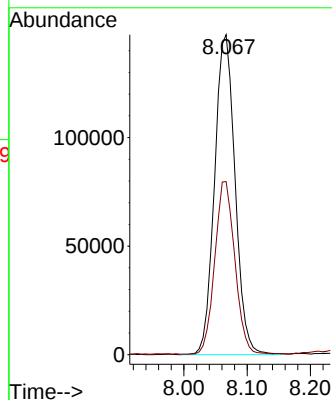
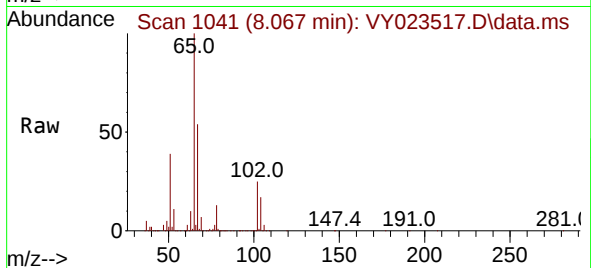
67 52.8 0.0 105.8

Manual Integrations

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.615 min Scan# 1131

Delta R.T. -0.000 min

Lab File: VY023517.D

Acq: 20 Oct 2025 18:33

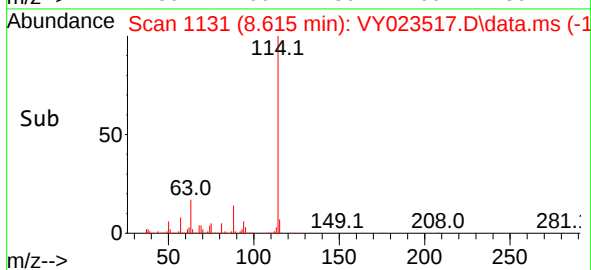
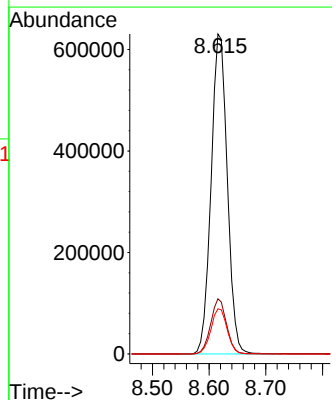
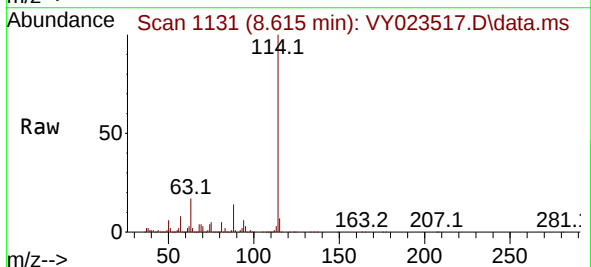
Tgt Ion:114 Resp: 1249126

Ion Ratio Lower Upper

114 100

63 17.3 0.0 34.2

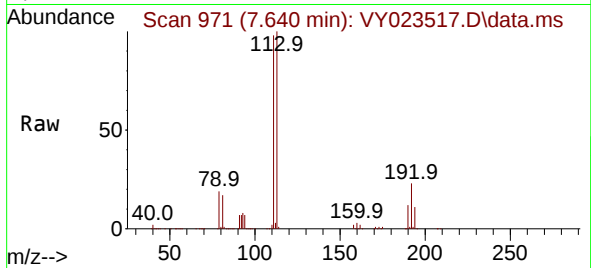
88 14.1 0.0 28.4





#35
Dibromofluoromethane
Concen: 49.988 ug/l
RT: 7.640 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY023517.D
Acq: 20 Oct 2025 18:33

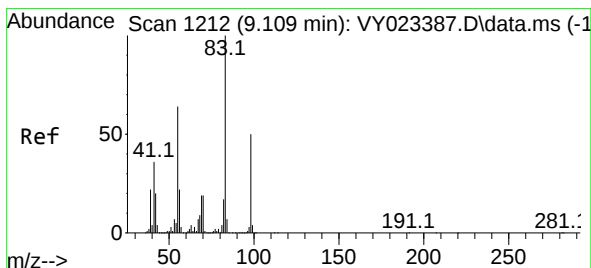
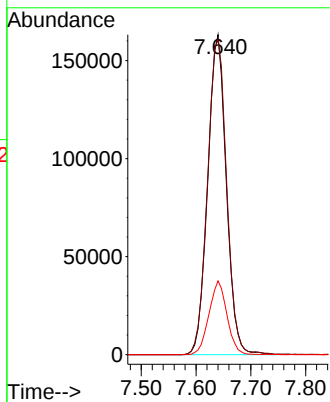
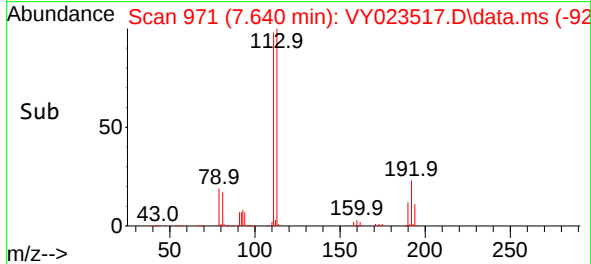
Instrument :
MSVOA_Y
ClientSampleId :
PR132-S08-000013-20251017



Tgt Ion:113 Resp: 383674
Ion Ratio Lower Upper
113 100
111 102.0 81.8 122.6
192 22.4 18.0 27.0

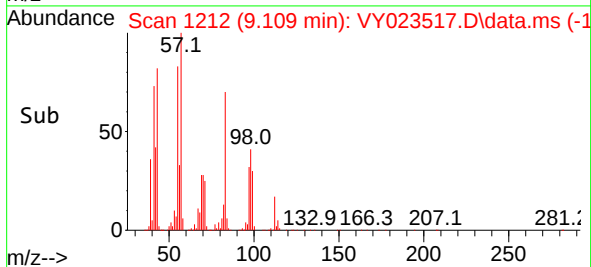
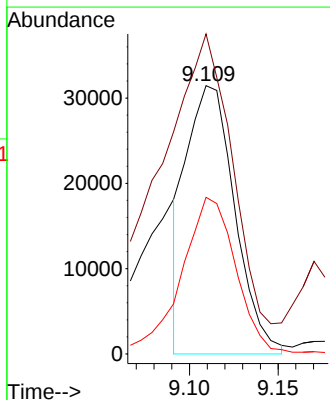
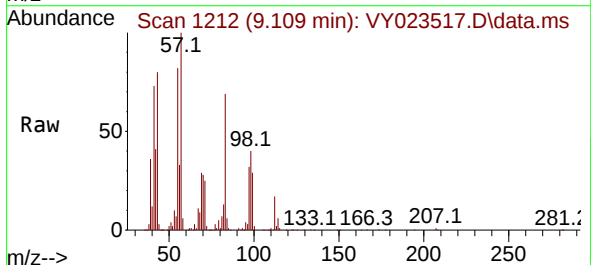
Manual Integrations
APPROVED

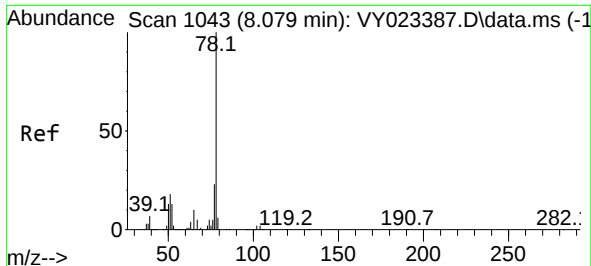
Reviewed By :Amit Patel 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025



#39
Methylcyclohexane
Concen: 4.507 ug/l m
RT: 9.109 min Scan# 1212
Delta R.T. -0.000 min
Lab File: VY023517.D
Acq: 20 Oct 2025 18:33

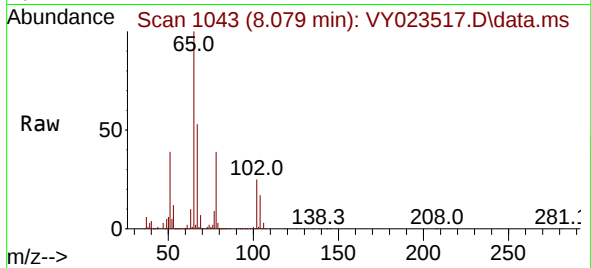
Tgt Ion: 83 Resp: 59623
Ion Ratio Lower Upper
83 100
55 119.3 51.4 77.2#
98 58.4 40.4 60.6





#40
Benzene
Concen: 2.538 ug/l
RT: 8.079 min Scan# 1043
Delta R.T. -0.000 min
Lab File: VY023517.D
Acq: 20 Oct 2025 18:33

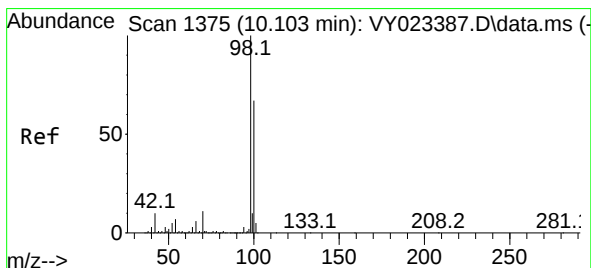
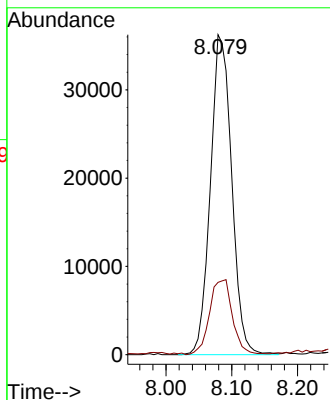
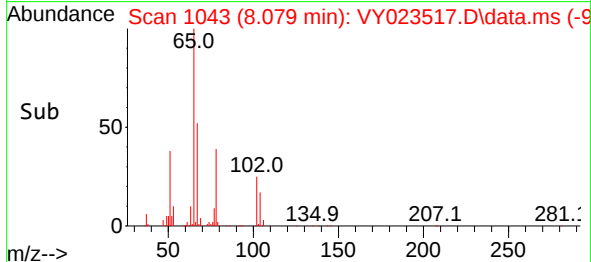
Instrument : MSVOA_Y
ClientSampleId : PR132-S08-000013-20251017



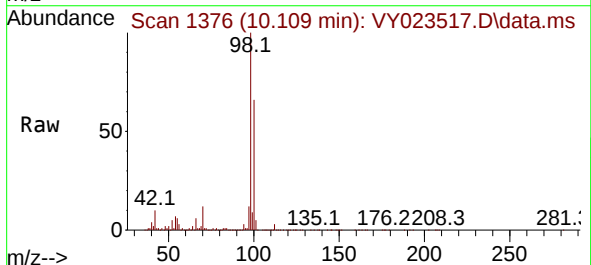
Tgt Ion: 78 Resp: 8168
Ion Ratio Lower Upper
78 100
77 22.3 18.3 27.5

Manual Integrations
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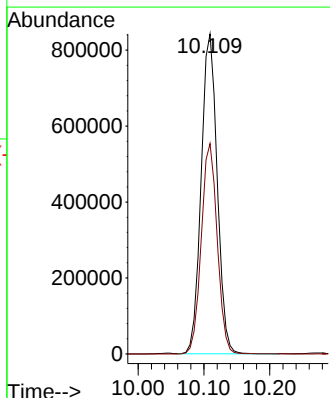
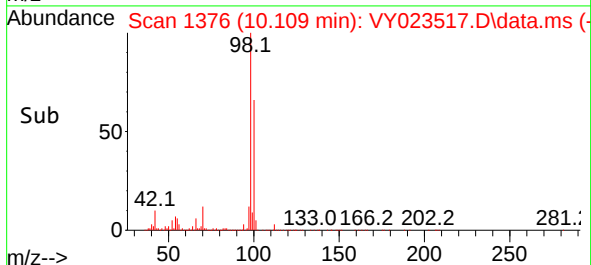
Reviewed By :Amit Patel 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

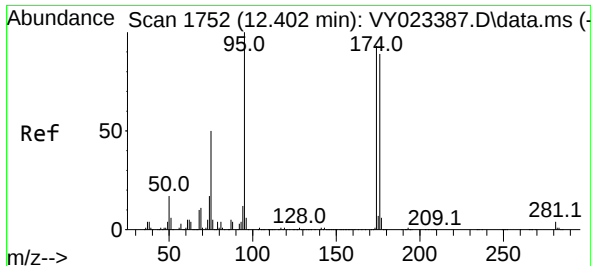


#50
Toluene-d8
Concen: 49.930 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.006 min
Lab File: VY023517.D
Acq: 20 Oct 2025 18:33



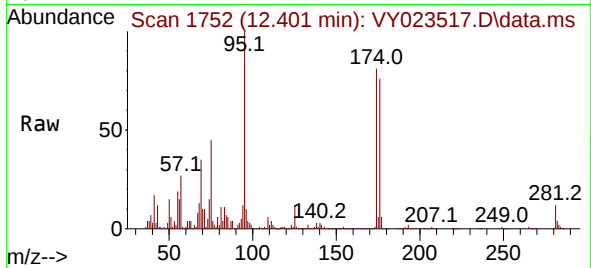
Tgt Ion: 98 Resp: 1427189
Ion Ratio Lower Upper
98 100
100 65.4 53.0 79.4





#62
4-Bromofluorobenzene
Concen: 45.623 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. -0.000 min
Lab File: VY023517.D
Acq: 20 Oct 2025 18:33

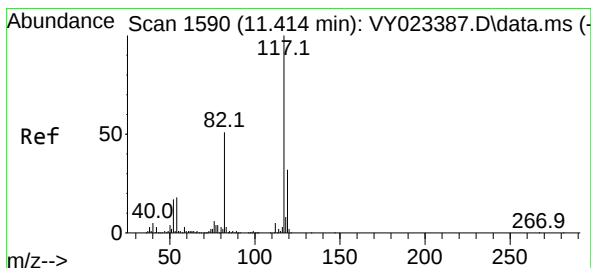
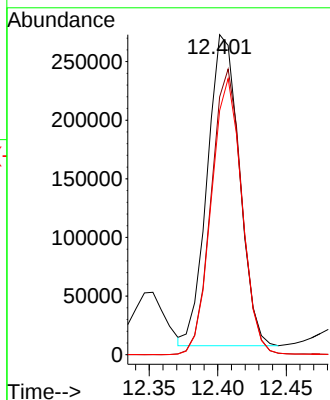
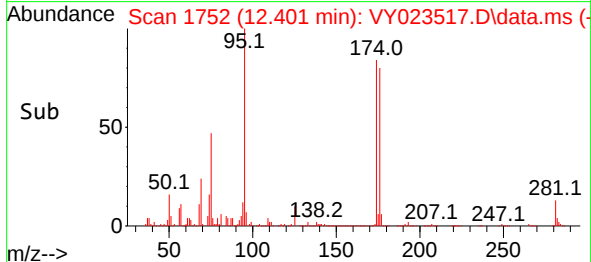
Instrument : MSVOA_Y
ClientSampleId : PR132-S08-000013-20251017



Tgt Ion: 95 Resp: 430539
Ion Ratio Lower Upper
95 100
174 88.3 0.0 192.8
176 85.2 0.0 187.6

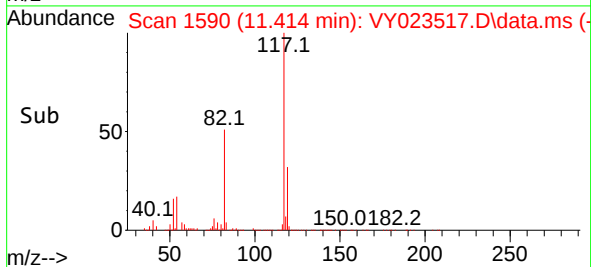
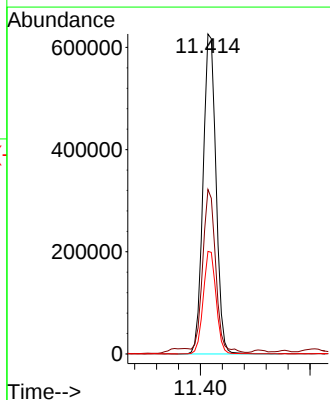
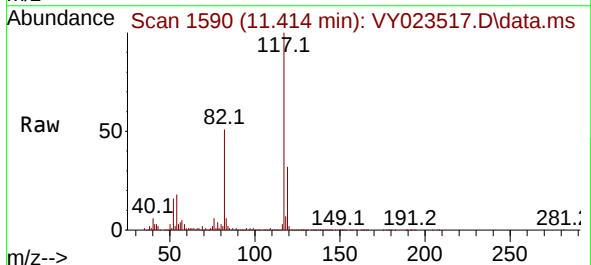
Manual Integrations
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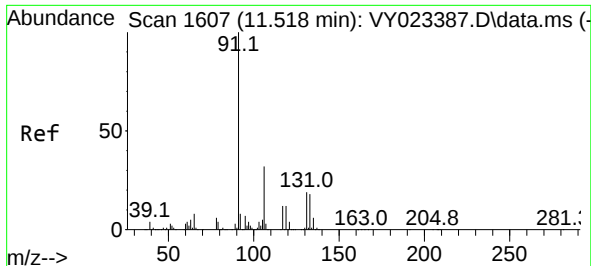
Reviewed By :Amit Patel 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. -0.000 min
Lab File: VY023517.D
Acq: 20 Oct 2025 18:33

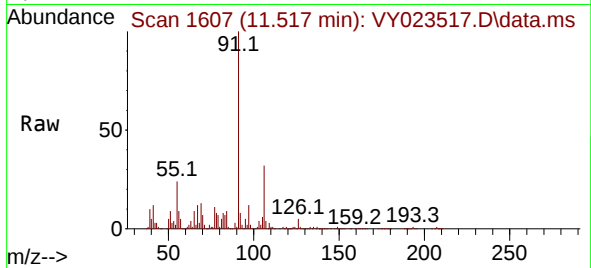
Tgt Ion:117 Resp: 1022154
Ion Ratio Lower Upper
117 100
82 50.6 41.0 61.4
119 32.0 25.6 38.4





#67
Ethyl Benzene
Concen: 3.618 ug/l
RT: 11.517 min Scan# 1607
Delta R.T. -0.000 min
Lab File: VY023517.D
Acq: 20 Oct 2025 18:33

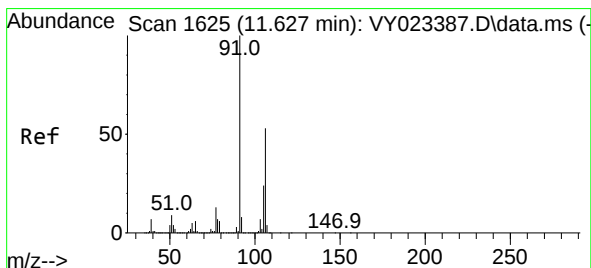
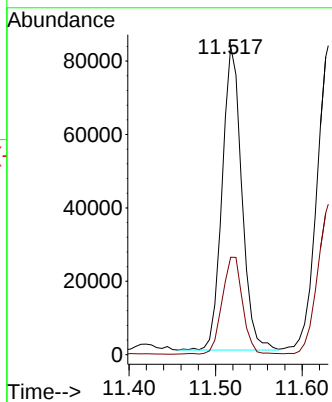
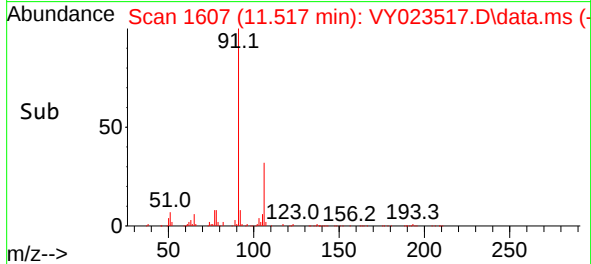
Instrument : MSVOA_Y
ClientSampleId : PR132-S08-000013-20251017



Tgt Ion: 91 Resp: 13018
Ion Ratio Lower Upper
91 100
106 31.8 25.8 38.8

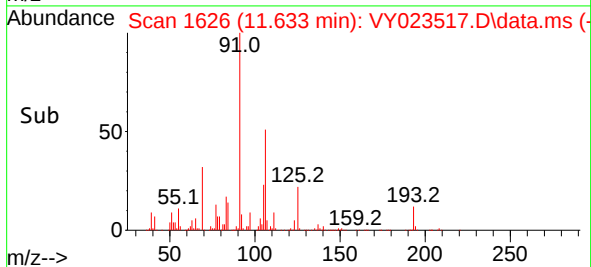
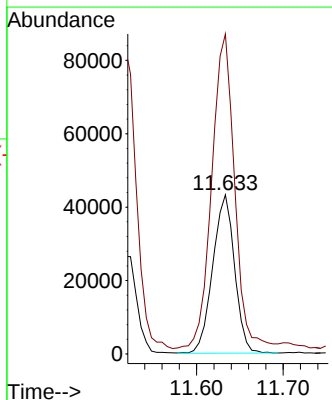
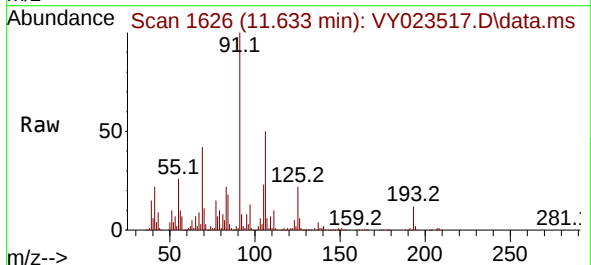
Manual Integrations
APPROVED

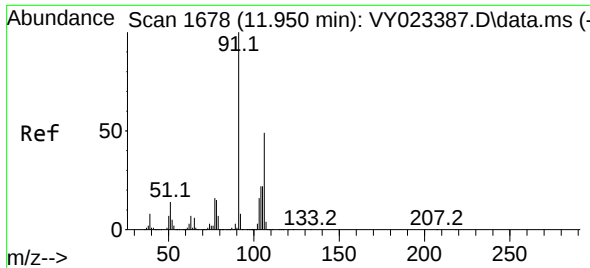
Reviewed By :Amit Patel 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025



#68
m/p-Xylenes
Concen: 5.226 ug/l
RT: 11.633 min Scan# 1626
Delta R.T. 0.006 min
Lab File: VY023517.D
Acq: 20 Oct 2025 18:33

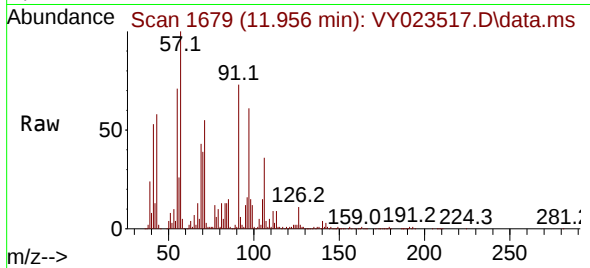
Tgt Ion:106 Resp: 75435
Ion Ratio Lower Upper
106 100
91 207.3 152.6 229.0





#69
o-Xylene
Concen: 3.002 ug/l
RT: 11.956 min Scan# 106
Delta R.T. 0.006 min
Lab File: VY023517.D
Acq: 20 Oct 2025 18:33

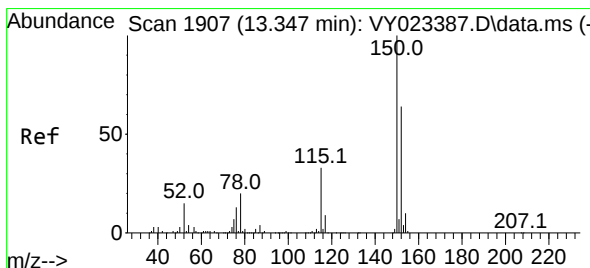
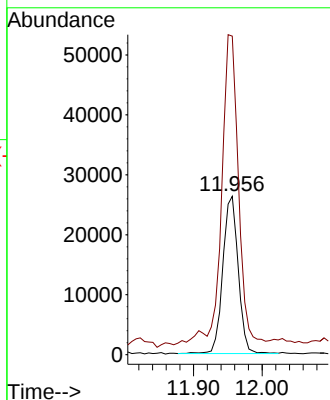
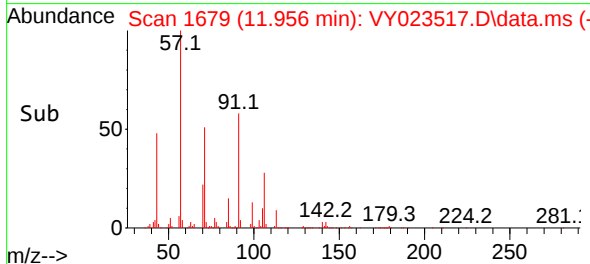
Instrument :
MSVOA_Y
ClientSampleId :
PR132-S08-000013-20251017



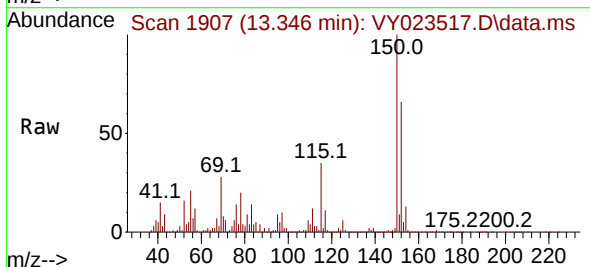
Tgt Ion:106 Resp: 40640
Ion Ratio Lower Upper
106 100
91 217.6 101.4 304.1

Manual Integrations
APPROVED

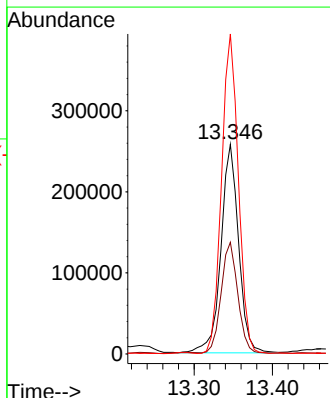
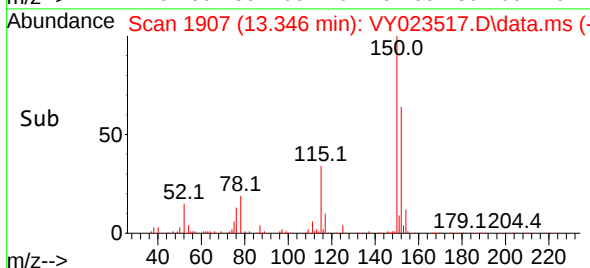
Reviewed By :Amit Patel 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

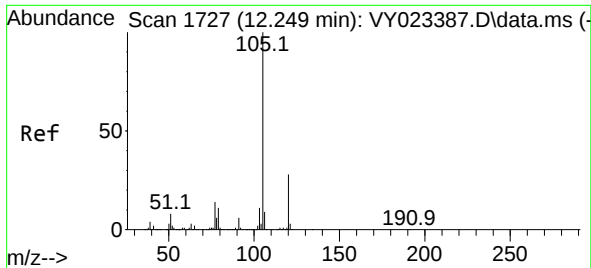


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VY023517.D
Acq: 20 Oct 2025 18:33



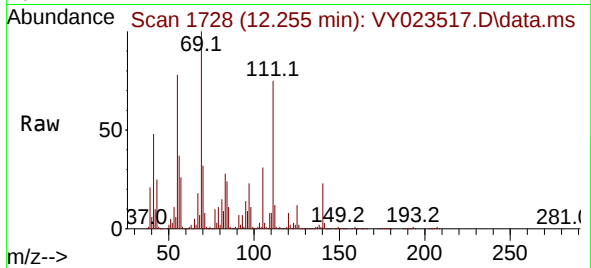
Tgt Ion:152 Resp: 403478
Ion Ratio Lower Upper
152 100
115 50.3 27.1 81.2
150 145.7 0.0 347.4





#73
Isopropylbenzene
Concen: 1.886 ug/l
RT: 12.255 min Scan# 1728
Delta R.T. 0.006 min
Lab File: VY023517.D
Acq: 20 Oct 2025 18:33

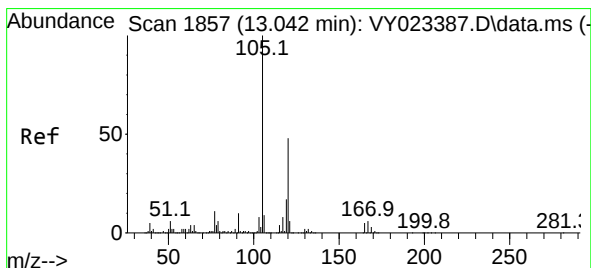
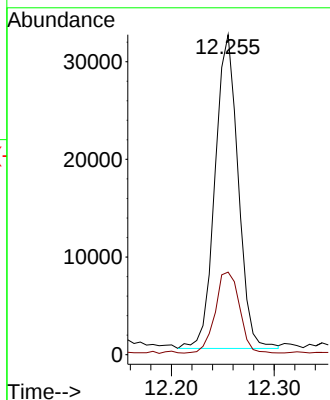
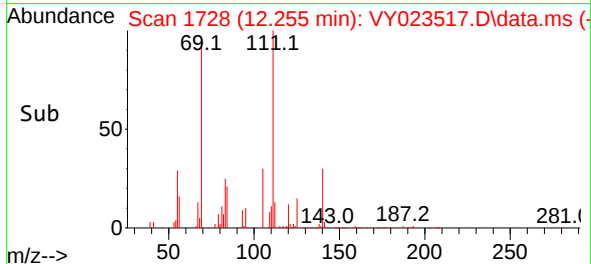
Instrument : MSVOA_Y
ClientSampleId : PR132-S08-000013-20251017



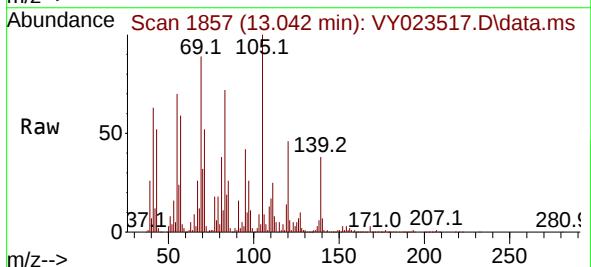
Tgt Ion:105 Resp: 5015
Ion Ratio Lower Upper
105 100
120 27.0 13.9 41.7

Manual Integrations
APPROVED

Reviewed By :Amit Patel 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025



#84
1,2,4-Trimethylbenzene
Concen: 7.946 ug/l
RT: 13.042 min Scan# 1857
Delta R.T. -0.000 min
Lab File: VY023517.D
Acq: 20 Oct 2025 18:33



Tgt Ion:105 Resp: 170384
Ion Ratio Lower Upper
105 100
120 48.0 23.8 71.2

