

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN110725\
 Data File : VN088231.D
 Acq On : 07 Nov 2025 14:12
 Operator : JC\MD
 Sample : Q3560-09
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 SY-12D

Manual Integrations
 APPROVED

Reviewed By : John Carlone 11/10/2025
 Supervised By : Mahesh Dadoda 11/10/2025

Quant Time: Nov 08 01:56:22 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N102325W.M
 Quant Title : SW846 8260
 QLast Update : Mon Nov 03 01:16:06 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.206	168	211115	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.082	114	474557	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.841	117	456150	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	218223	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.559	65	219049	60.003	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 120.000%			
35) Dibromofluoromethane	8.147	113	166028	52.077	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 104.160%			
50) Toluene-d8	10.547	98	602365	49.035	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 98.080%			
62) 4-Bromofluorobenzene	12.829	95	240435	55.421	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 110.840%			
Target Compounds					Qvalue	
4) Vinyl Chloride	2.536	62	3808	1.247	ug/l	92
16) Acetone	4.430	43	6391m	3.485	ug/l	
17) Carbon Disulfide	4.712	76	10726	1.330	ug/l	97
24) 1,1-Dichloroethane	6.553	63	37284	6.881	ug/l	95
27) cis-1,2-Dichloroethene	7.471	96	20228	6.033	ug/l	89
30) Chloroform	7.953	83	2942	0.544	ug/l	94
40) Benzene	8.594	78	3067	0.216	ug/l #	88
44) Trichloroethene	9.335	130	2913	0.879	ug/l	95
64) Tetrachloroethene	11.082	164	2586	0.859	ug/l #	83
65) Chlorobenzene	11.870	112	208882	20.167	ug/l	96
87) 1,3-Dichlorobenzene	13.711	146	13171	1.818	ug/l	99
88) 1,4-Dichlorobenzene	13.794	146	52982	6.808	ug/l	94
91) 1,2-Dichlorobenzene	14.082	146	33763	4.834	ug/l	98

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

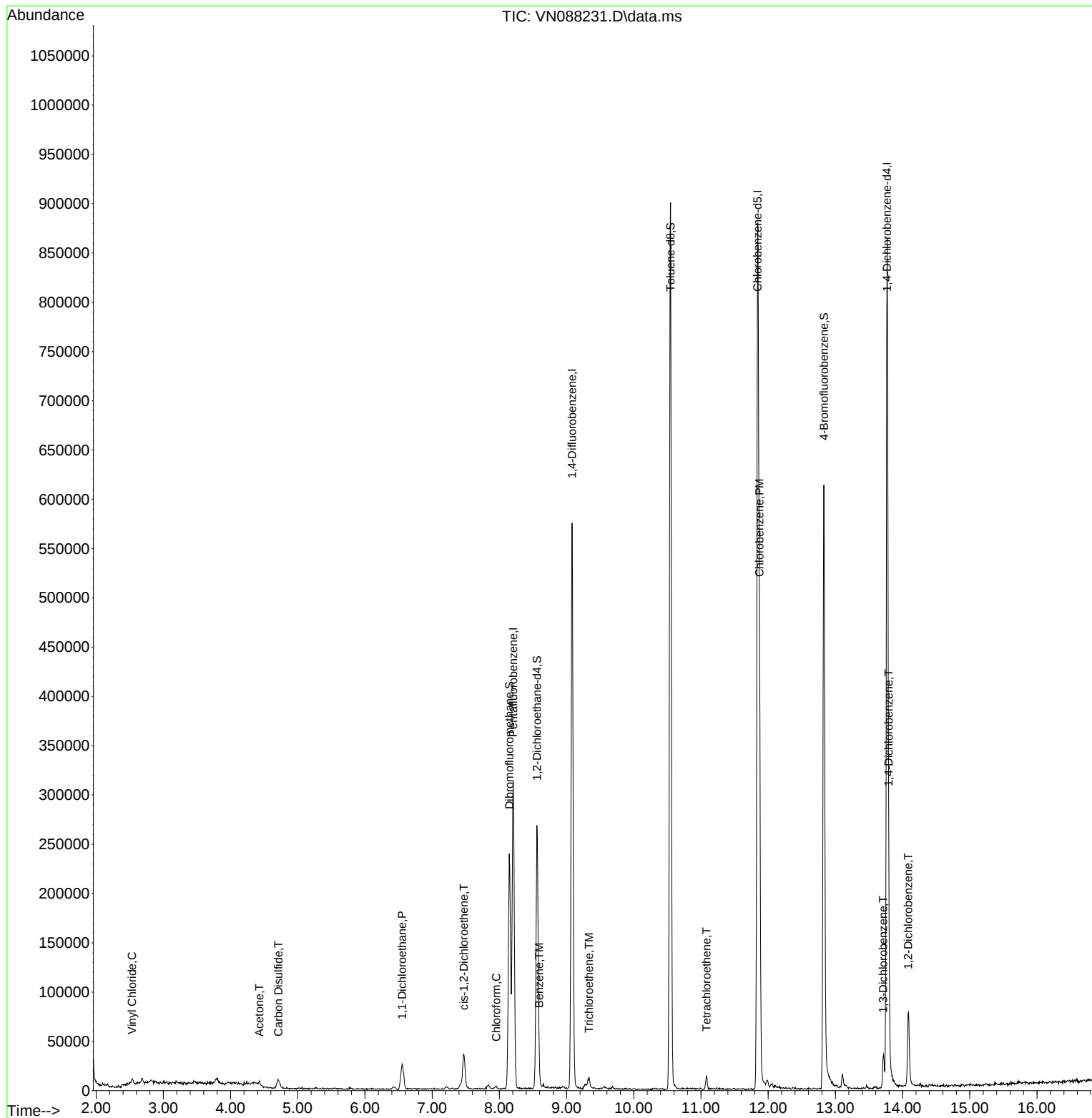
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN110725\
Data File : VN088231.D
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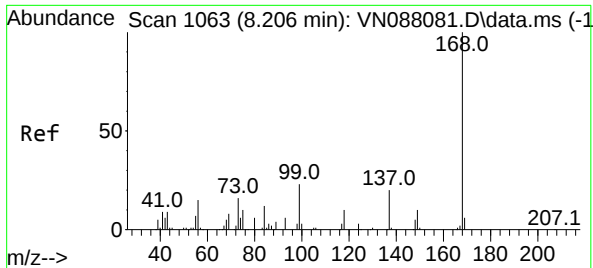
Instrument :
MSVOA_N
ClientSampleId :
SY-12D

Quant Time: Nov 08 01:56:22 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N102325W.M
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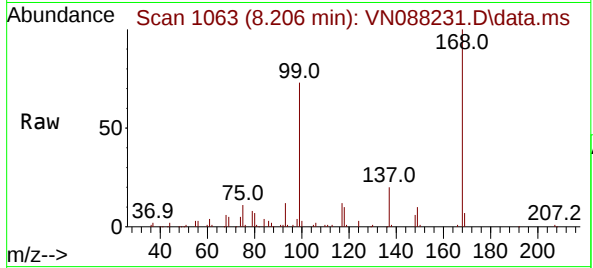
Reviewed By :John Carlone 11/10/2025
Supervised By :Mahesh Dadoda 11/10/2025





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.206 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN088231.D
Acq: 07 Nov 2025 14:12

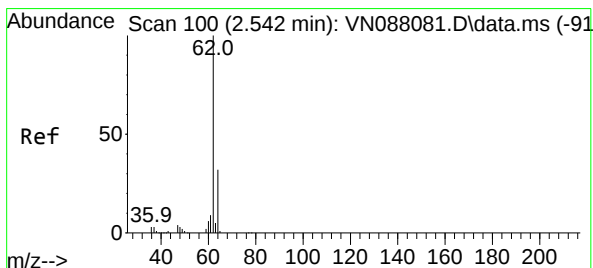
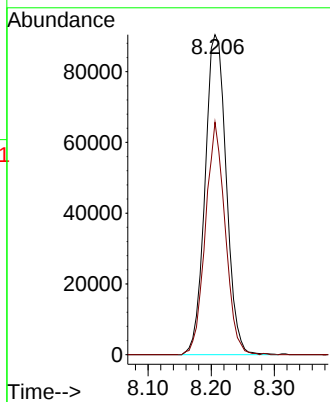
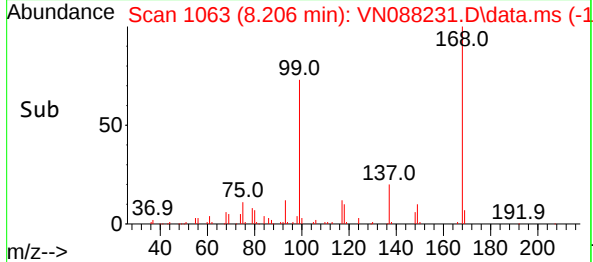
Instrument :
MSVOA_N
ClientSampleId :
SY-12D



Tgt Ion:168 Resp: 21111
Ion Ratio Lower Upper
168 100
99 72.7 57.2 85.8

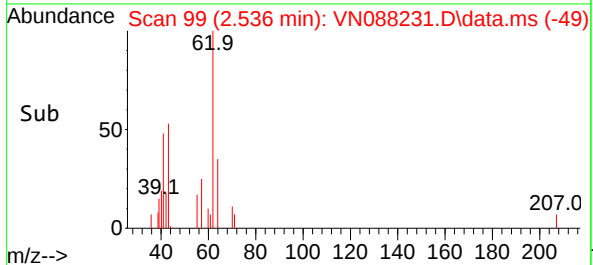
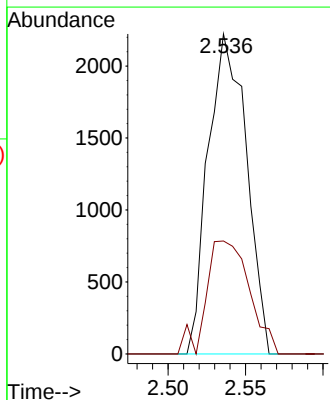
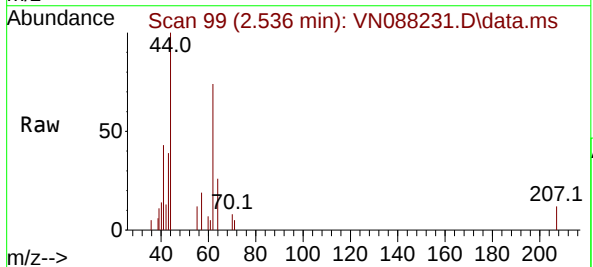
Manual Integrations
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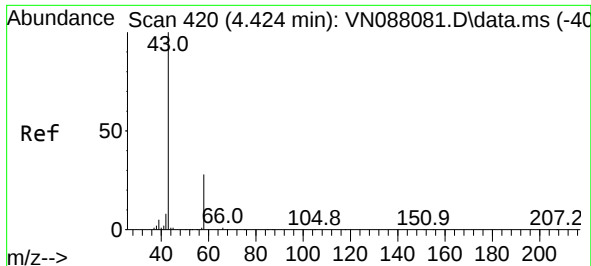
Reviewed By :John Carlone 11/10/2025
Supervised By :Mahesh Dadoda 11/10/2025



#4
Vinyl Chloride
Concen: 1.247 ug/l
RT: 2.536 min Scan# 99
Delta R.T. -0.006 min
Lab File: VN088231.D
Acq: 07 Nov 2025 14:12

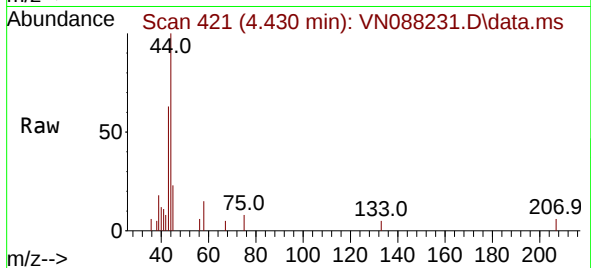
Tgt Ion: 62 Resp: 3808
Ion Ratio Lower Upper
62 100
64 35.3 24.6 37.0





#16
Acetone
Concen: 3.485 ug/l m
RT: 4.430 min Scan# 41
Delta R.T. 0.006 min
Lab File: VN088231.D
Acq: 07 Nov 2025 14:12

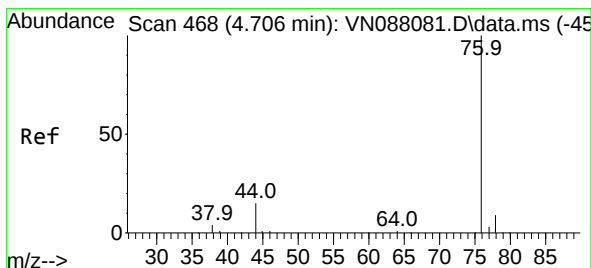
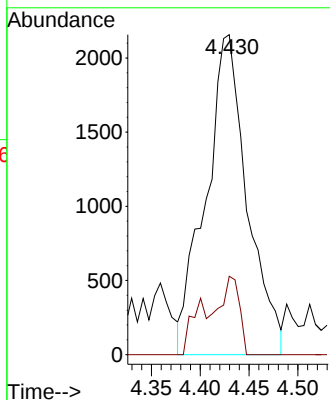
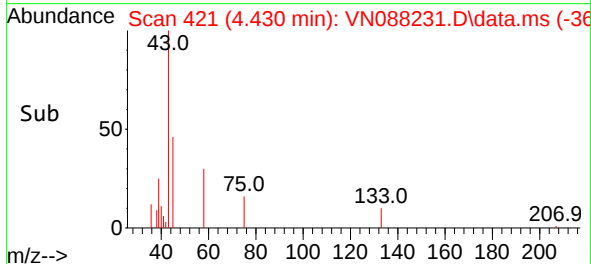
Instrument :
MSVOA_N
ClientSampleId :
SY-12D



Tgt Ion: 43 Resp: 639
Ion Ratio Lower Upper
43 100
58 24.5 22.6 33.8

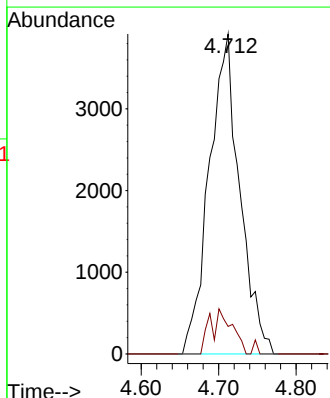
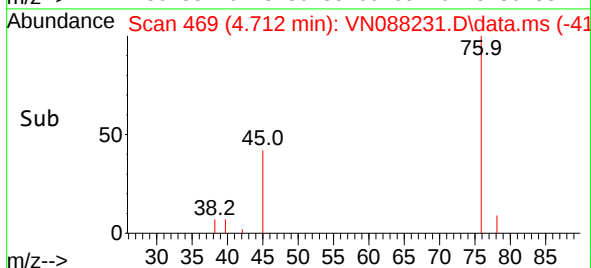
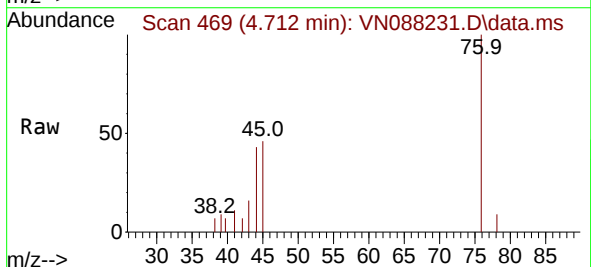
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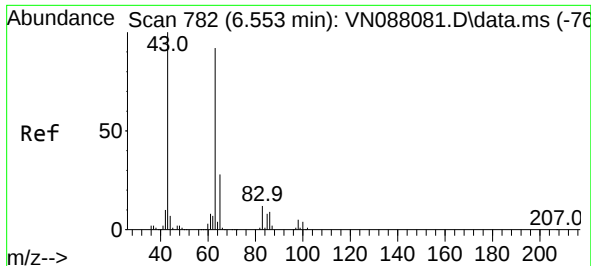
Reviewed By :John Carlone 11/10/2025
Supervised By :Mahesh Dadoda 11/10/2025



#17
Carbon Disulfide
Concen: 1.330 ug/l
RT: 4.712 min Scan# 469
Delta R.T. 0.012 min
Lab File: VN088231.D
Acq: 07 Nov 2025 14:12

Tgt Ion: 76 Resp: 10726
Ion Ratio Lower Upper
76 100
78 8.6 7.6 11.4





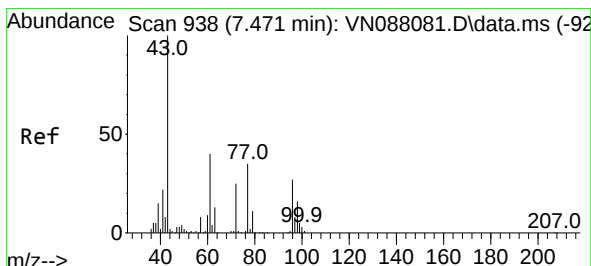
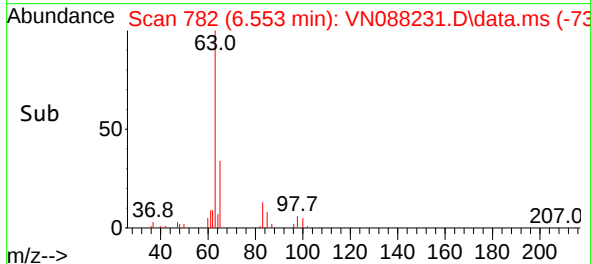
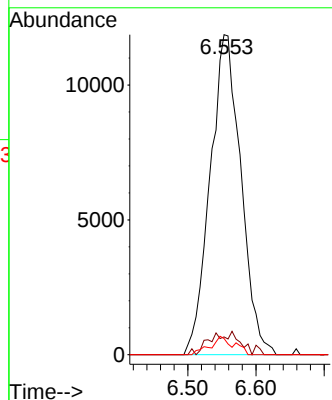
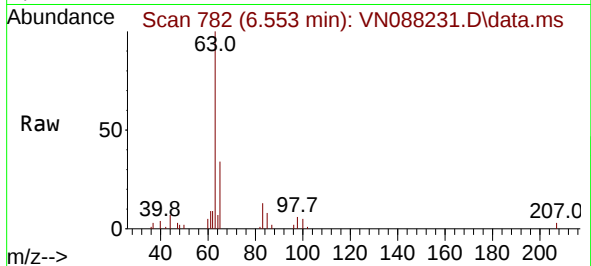
#24
1,1-Dichloroethane
Concen: 6.881 ug/l
RT: 6.553 min Scan# 782
Delta R.T. 0.006 min
Lab File: VN088231.D
Acq: 07 Nov 2025 14:12

Instrument :
MSVOA_N
ClientSampleId :
SY-12D

Tgt Ion: 63 Resp: 37284
Ion Ratio Lower Upper
63 100
98 5.5 3.8 11.4
100 5.0 2.0 6.0

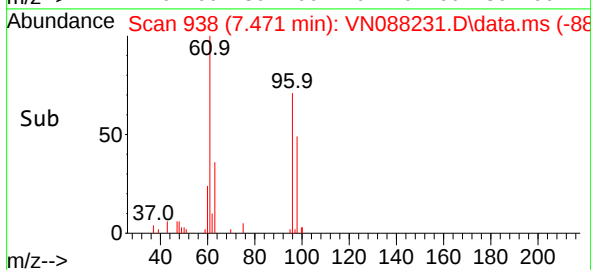
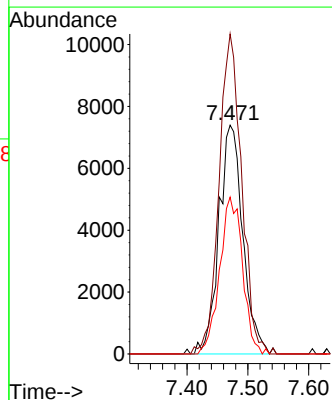
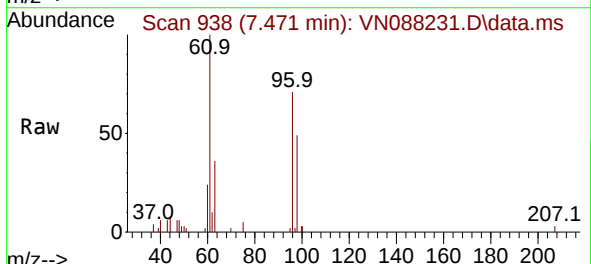
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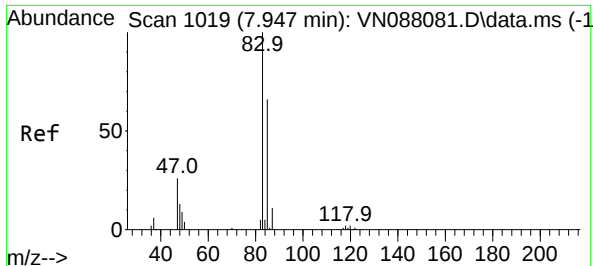
Reviewed By :John Carlone 11/10/2025
Supervised By :Mahesh Dadoda 11/10/2025



#27
cis-1,2-Dichloroethene
Concen: 6.033 ug/l
RT: 7.471 min Scan# 938
Delta R.T. 0.006 min
Lab File: VN088231.D
Acq: 07 Nov 2025 14:12

Tgt Ion: 96 Resp: 20228
Ion Ratio Lower Upper
96 100
61 132.0 0.0 301.8
98 65.3 0.0 126.2





#30

Chloroform

Concen: 0.544 ug/l

RT: 7.953 min Scan# 110

Delta R.T. 0.006 min

Lab File: VN088231.D

Acq: 07 Nov 2025 14:12

Instrument :

MSVOA_N

ClientSampleId :

SY-12D

Tgt Ion: 83 Resp: 294

Ion Ratio Lower Upper

83 100

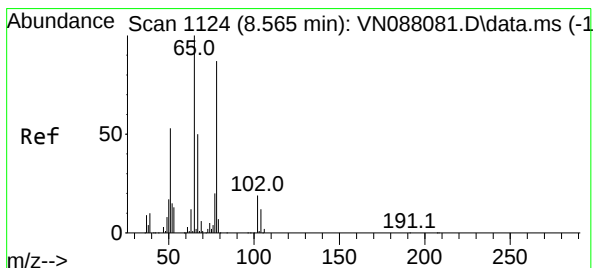
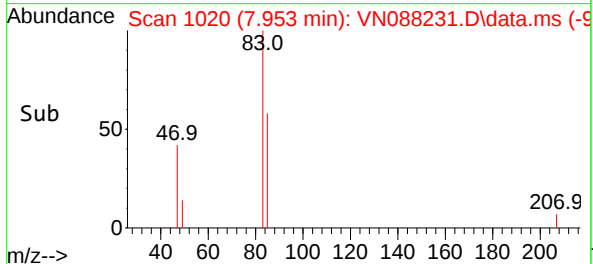
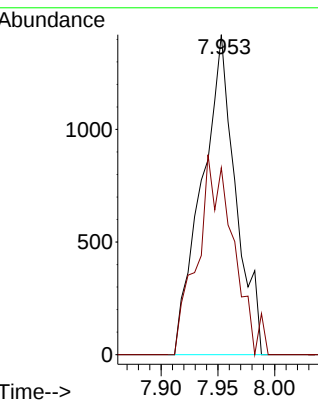
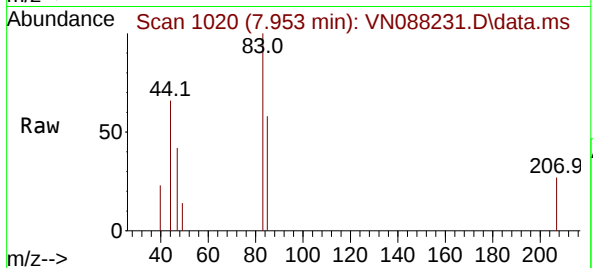
85 58.4 50.7 76.1

Manual Integrations

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#33

1,2-Dichloroethane-d4

Concen: 60.003 ug/l

RT: 8.559 min Scan# 1123

Delta R.T. -0.000 min

Lab File: VN088231.D

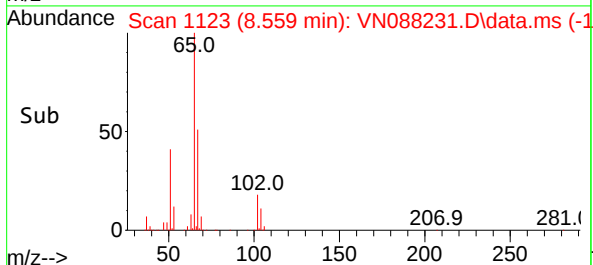
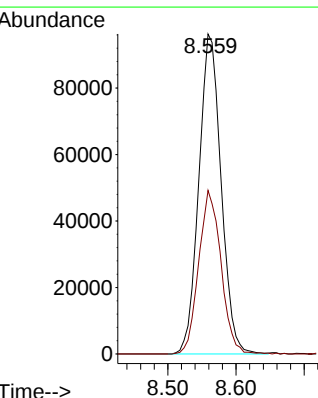
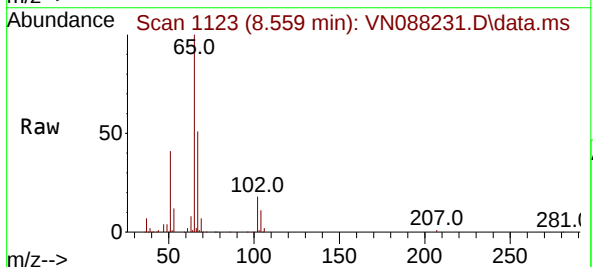
Acq: 07 Nov 2025 14:12

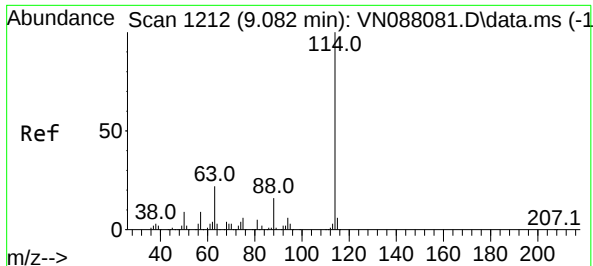
Tgt Ion: 65 Resp: 219049

Ion Ratio Lower Upper

65 100

67 51.2 0.0 100.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.082 min Scan# 114

Delta R.T. -0.000 min

Lab File: VN088231.D

Acq: 07 Nov 2025 14:12

Instrument :

MSVOA_N

ClientSampleId :

SY-12D

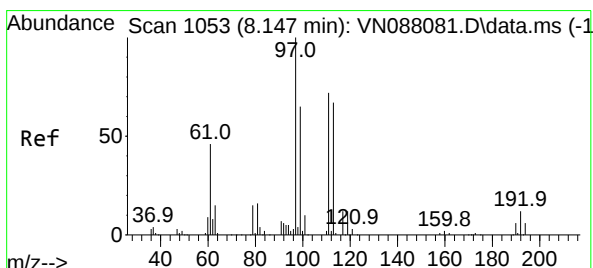
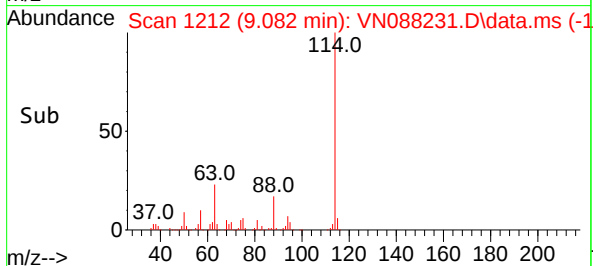
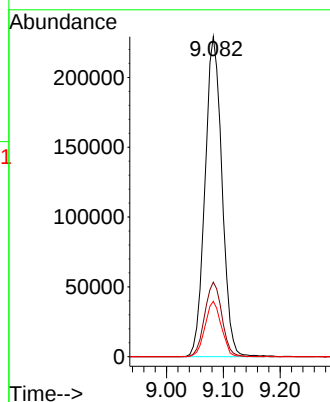
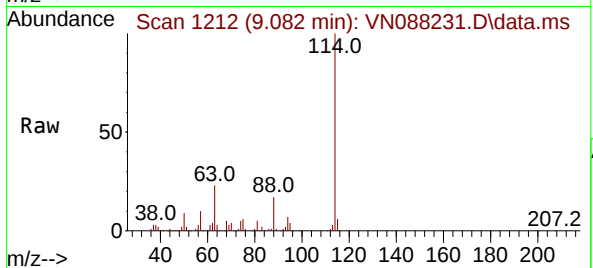
Tgt Ion:	114	Resp:	47455
Ion Ratio	Lower	Upper	
114	100		
63	23.3	0.0	45.2
88	17.3	0.0	33.4

Manual Integrations

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Supervised By :Mahesh Dadoda 11/10/2025



#35

Dibromofluoromethane

Concen: 52.077 ug/l

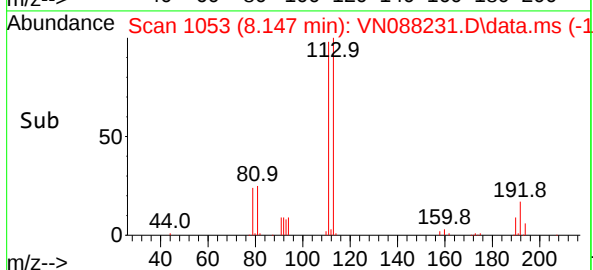
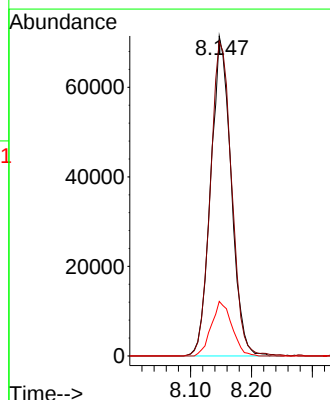
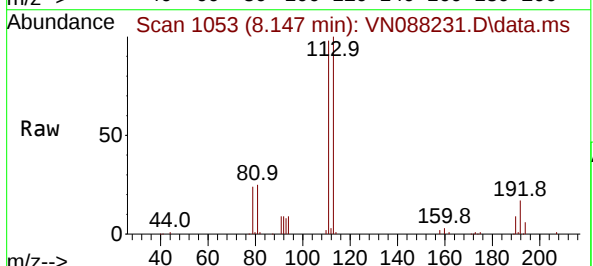
RT: 8.147 min Scan# 1053

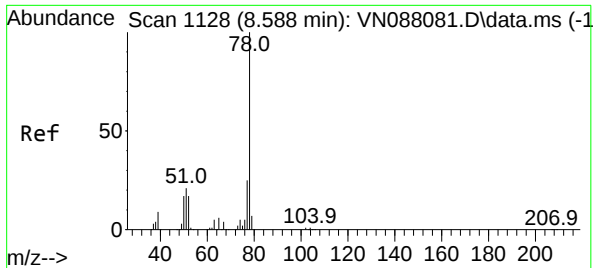
Delta R.T. -0.006 min

Lab File: VN088231.D

Acq: 07 Nov 2025 14:12

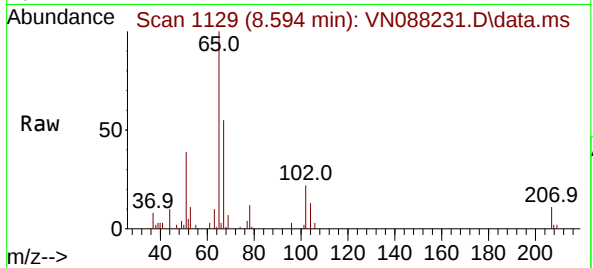
Tgt Ion:	113	Resp:	166028
Ion Ratio	Lower	Upper	
113	100		
111	102.3	82.8	124.2
192	17.2	12.8	19.2





#40
Benzene
Concen: 0.216 ug/l
RT: 8.594 min Scan# 1129
Delta R.T. 0.006 min
Lab File: VN088231.D
Acq: 07 Nov 2025 14:12

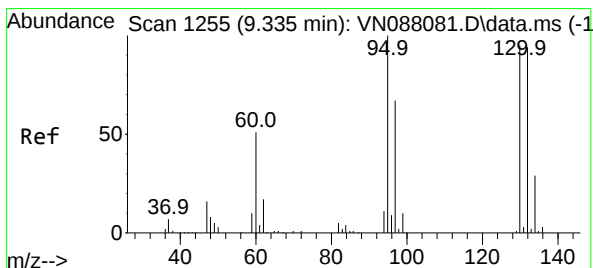
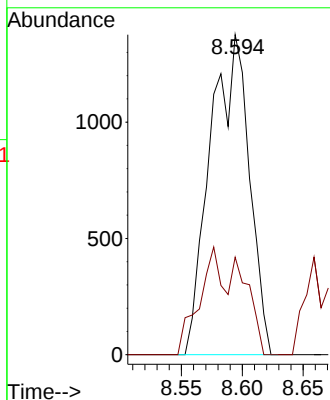
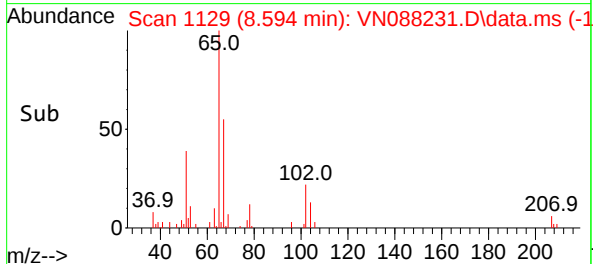
Instrument :
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SY-12D



Tgt Ion: 78 Resp: 306
Ion Ratio Lower Upper
78 100
77 30.5 19.7 29.5

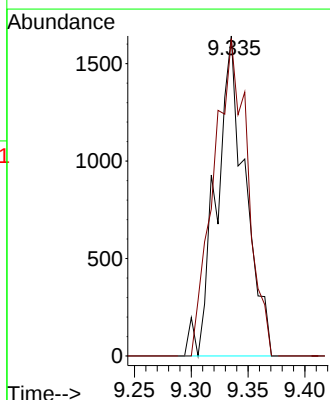
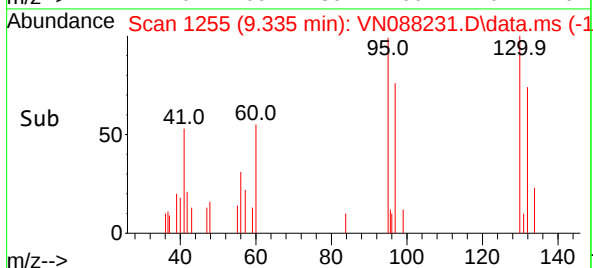
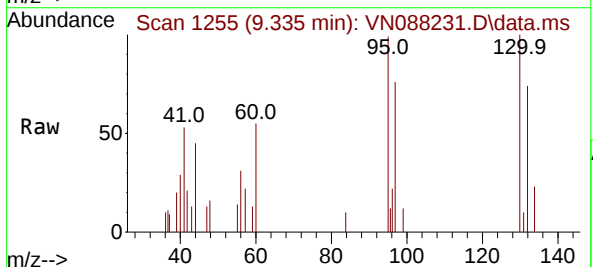
Manual Integrations
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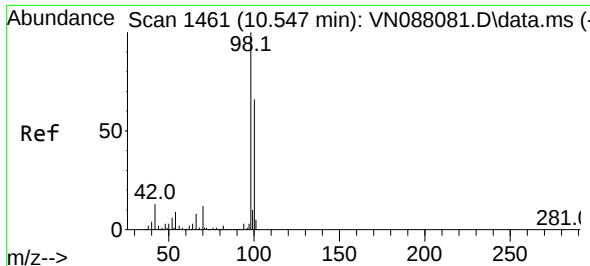
Reviewed By :John Carlone 11/10/2025
Supervised By :Mahesh Dadoda 11/10/2025



#44
Trichloroethene
Concen: 0.879 ug/l
RT: 9.335 min Scan# 1255
Delta R.T. 0.006 min
Lab File: VN088231.D
Acq: 07 Nov 2025 14:12

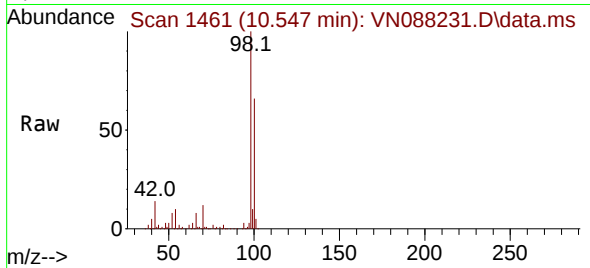
Tgt Ion:130 Resp: 2913
Ion Ratio Lower Upper
130 100
95 110.9 0.0 212.0





#50
Toluene-d8
Concen: 49.035 ug/l
RT: 10.547 min Scan# 1461
Delta R.T. -0.000 min
Lab File: VN088231.D
Acq: 07 Nov 2025 14:12

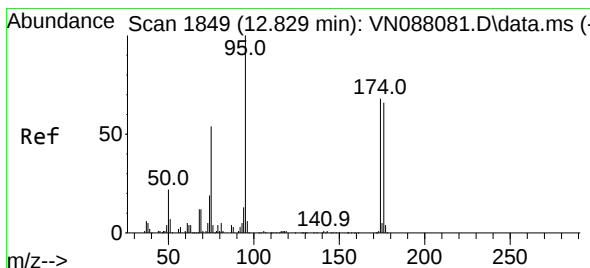
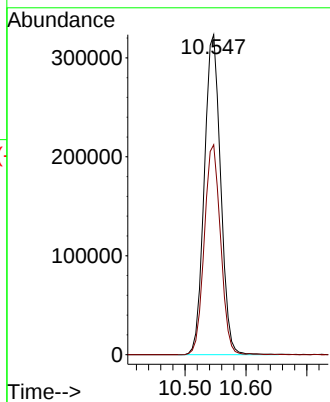
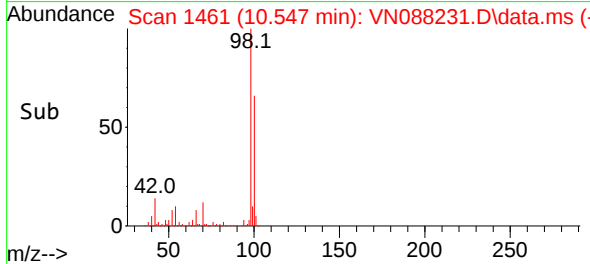
Instrument :
MSVOA_N
ClientSampleId :
SY-12D



Tgt Ion: 98 Resp: 60236
Ion Ratio Lower Upper
98 100
100 65.3 52.8 79.2

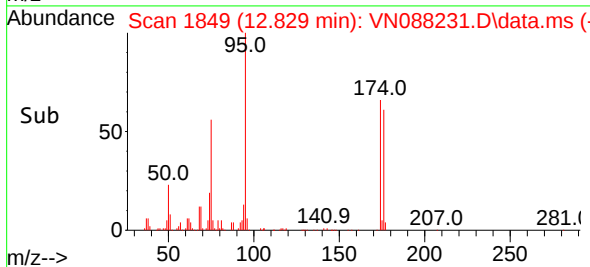
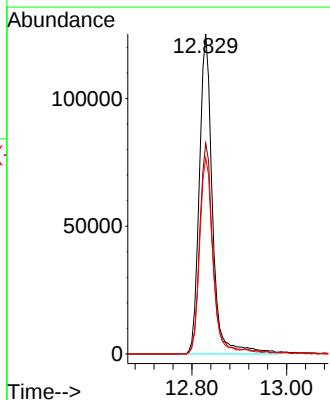
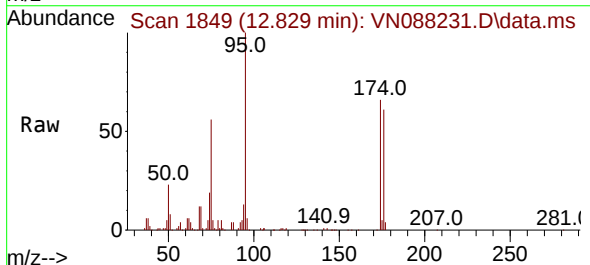
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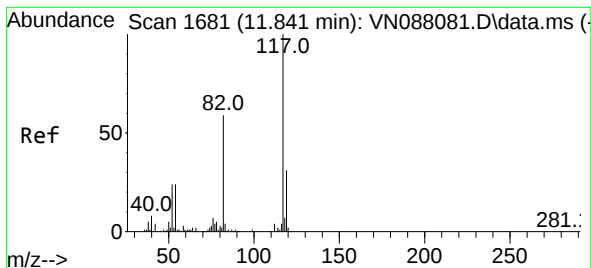
Reviewed By :John Carlone 11/10/2025
Supervised By :Mahesh Dadoda 11/10/2025



#62
4-Bromofluorobenzene
Concen: 55.421 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. 0.006 min
Lab File: VN088231.D
Acq: 07 Nov 2025 14:12

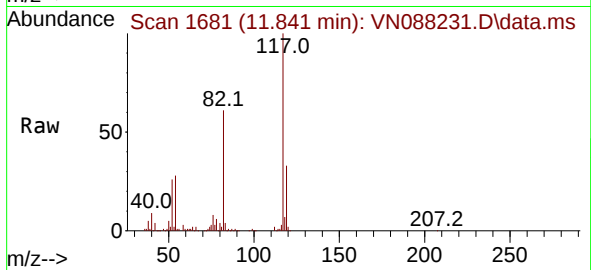
Tgt Ion: 95 Resp: 240435
Ion Ratio Lower Upper
95 100
174 65.0 0.0 138.4
176 63.1 0.0 132.6





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.841 min Scan# 117
Delta R.T. -0.000 min
Lab File: VN088231.D
Acq: 07 Nov 2025 14:12

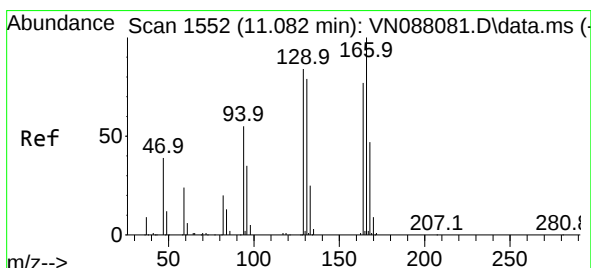
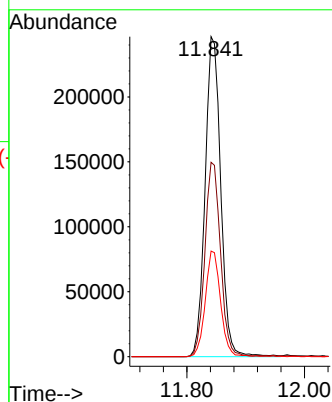
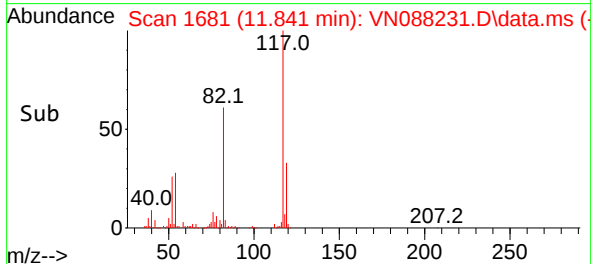
Instrument :
MSVOA_N
ClientSampleId :
SY-12D



Tgt Ion:117 Resp: 456150
Ion Ratio Lower Upper
117 100
82 60.7 47.4 71.2
119 33.0 24.3 36.5

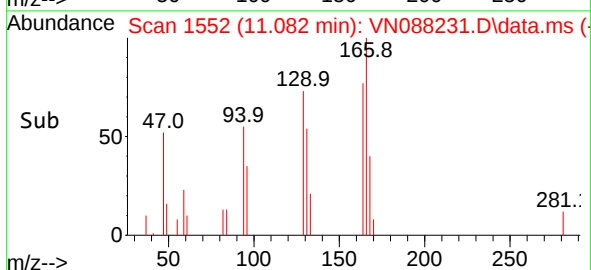
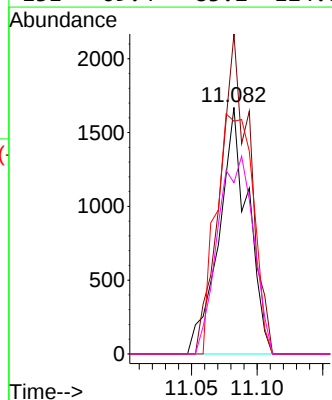
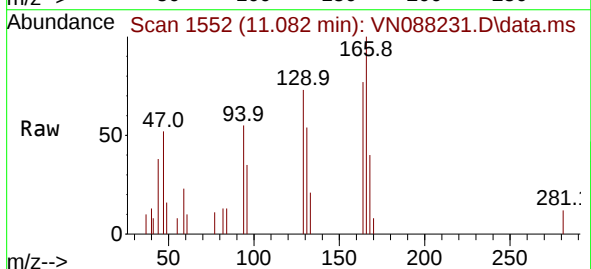
Manual Integrations
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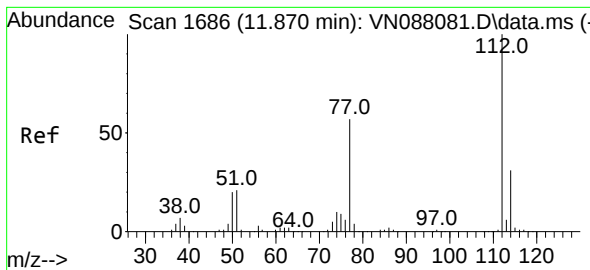
Reviewed By :John Carlone 11/10/2025
Supervised By :Mahesh Dadoda 11/10/2025



#64
Tetrachloroethene
Concen: 0.859 ug/l
RT: 11.082 min Scan# 1552
Delta R.T. -0.000 min
Lab File: VN088231.D
Acq: 07 Nov 2025 14:12

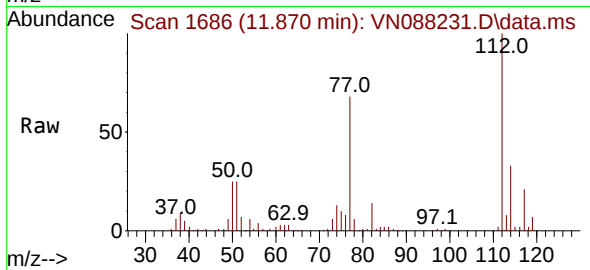
Tgt Ion:164 Resp: 2586
Ion Ratio Lower Upper
164 100
166 129.7 97.7 146.5
129 94.4 85.9 128.9
131 69.4 83.2 124.8#





#65
Chlorobenzene
Concen: 20.167 ug/l
RT: 11.870 min Scan# 111
Delta R.T. -0.000 min
Lab File: VN088231.D
Acq: 07 Nov 2025 14:12

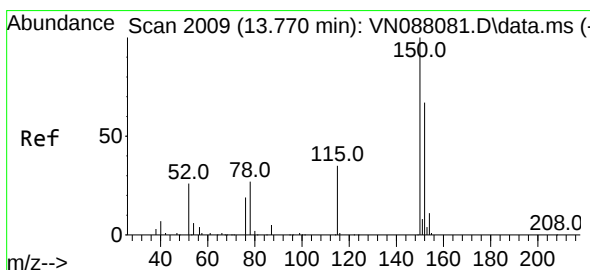
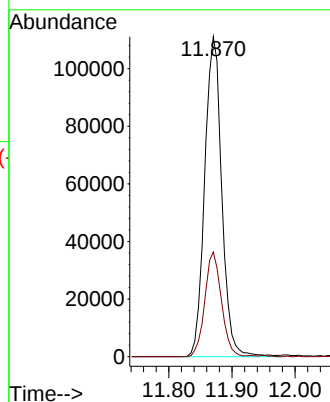
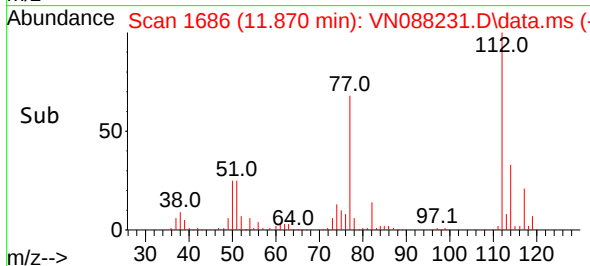
Instrument :
MSVOA_N
ClientSampleId :
SY-12D



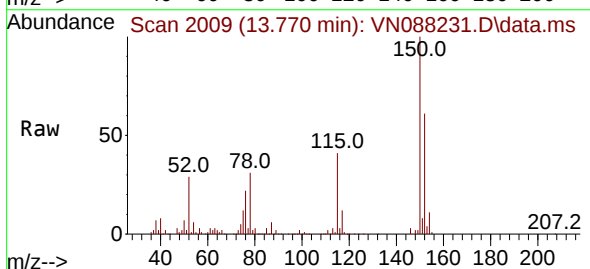
Tgt Ion:112 Resp: 20888
Ion Ratio Lower Upper
112 100
114 32.7 24.3 36.5

Manual Integrations
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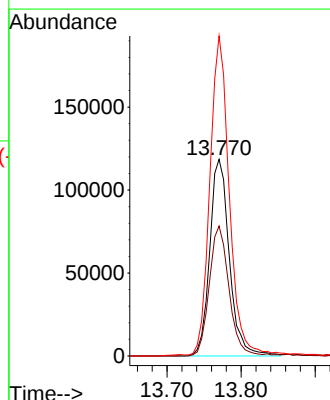
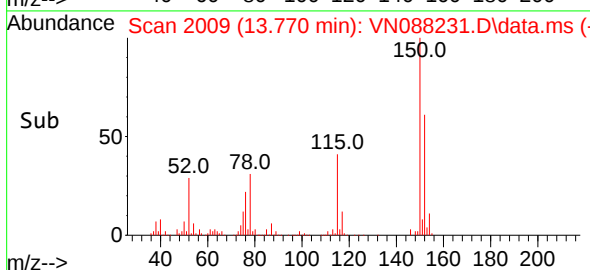
Reviewed By :John Carlone 11/10/2025
Supervised By :Mahesh Dadoda 11/10/2025

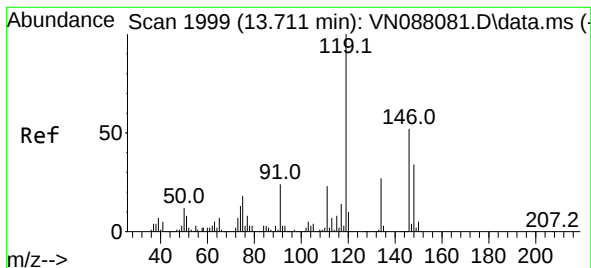


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.770 min Scan# 2009
Delta R.T. 0.006 min
Lab File: VN088231.D
Acq: 07 Nov 2025 14:12



Tgt Ion:152 Resp: 218223
Ion Ratio Lower Upper
152 100
115 66.7 32.3 96.8
150 163.3 0.0 351.0





#87

1,3-Dichlorobenzene

Concen: 1.818 ug/l

RT: 13.711 min Scan# 1999

Delta R.T. -0.000 min

Lab File: VN088231.D

Acq: 07 Nov 2025 14:12

Instrument :

MSVOA_N

ClientSampleId :

SY-12D

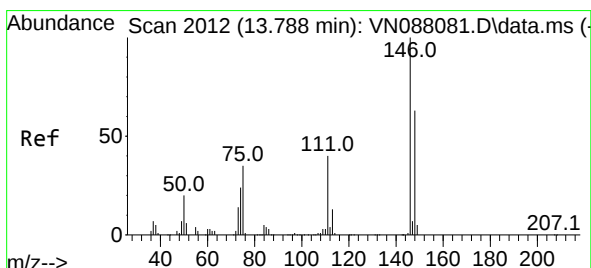
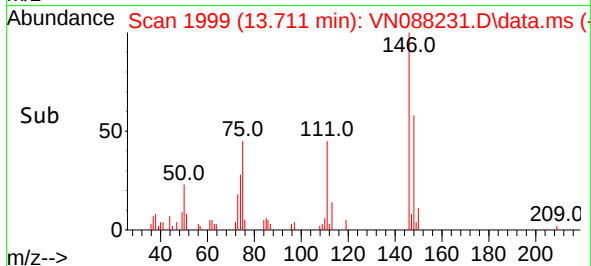
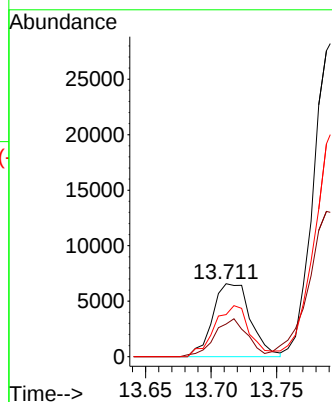
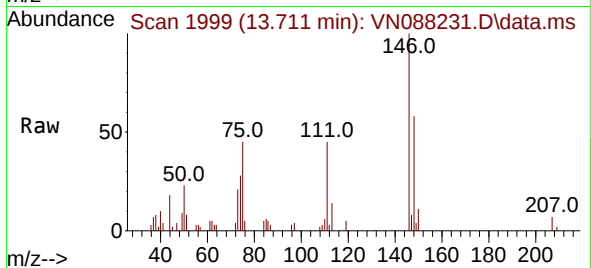
Tgt Ion:	146	Resp:	1317
Ion Ratio	Lower	Upper	
146	100		
111	44.7	22.1	66.5
148	65.0	32.0	96.2

Manual Integrations

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Reviewed By :John Carlone 11/10/2025

Supervised By :Mahesh Dadoda 11/10/2025



#88

1,4-Dichlorobenzene

Concen: 6.808 ug/l

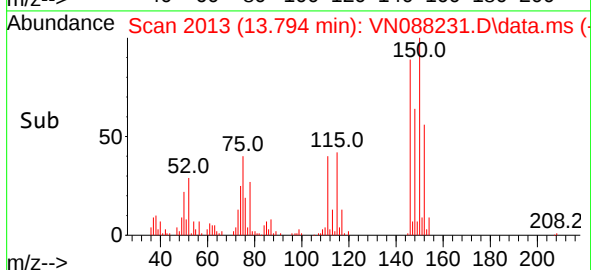
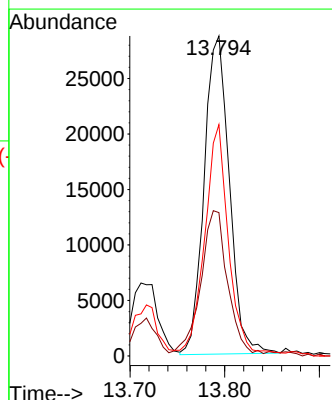
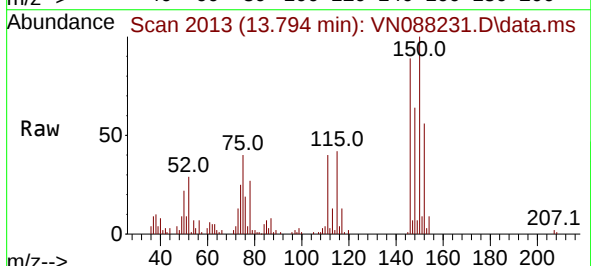
RT: 13.794 min Scan# 2013

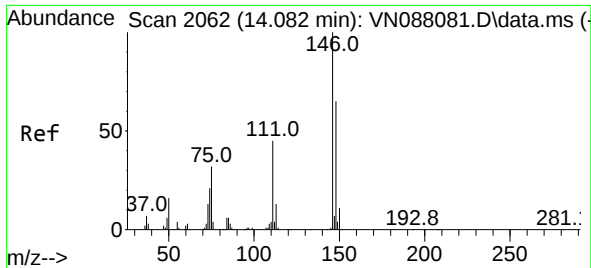
Delta R.T. 0.006 min

Lab File: VN088231.D

Acq: 07 Nov 2025 14:12

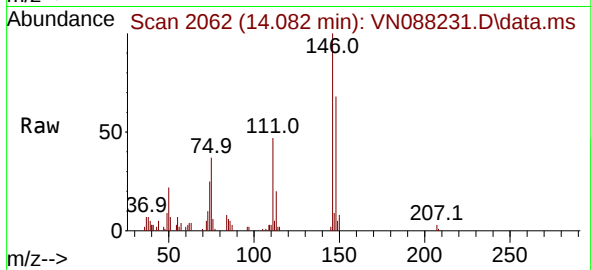
Tgt Ion:	146	Resp:	52982
Ion Ratio	Lower	Upper	
146	100		
111	47.5	21.0	63.0
148	67.1	32.0	96.0





#91
 1,2-Dichlorobenzene
 Concen: 4.834 ug/l
 RT: 14.082 min Scan# 2062
 Delta R.T. -0.000 min
 Lab File: VN088231.D
 Acq: 07 Nov 2025 14:12

Instrument :
 MSVOA_N
 ClientSampleId :
 SY-12D



Tgt Ion	Ratio	Lower	Upper
146	100		
111	46.4	22.6	67.8
148	62.0	31.9	95.9

Manual Integrations
 APPROVED

Reviewed By :John Carlone 11/10/2025
 Supervised By :Mahesh Dadoda 11/10/2025

