

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091625\
 Data File : VN087857.D
 Acq On : 16 Sep 2025 17:54
 Operator : JC\MD
 Sample : VN0916MBS01
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0916MBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 09/17/2025
 Supervised By : Mahesh Dadoda 09/18/2025

Quant Time: Sep 17 01:25:57 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N082125W.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 22 02:55:42 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.206	168	244586	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.083	114	446115	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.847	117	411735	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.771	152	215678	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.565	65	206016	41.110	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	82.220%		
35) Dibromofluoromethane	8.147	113	155034	48.133	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	96.260%		
50) Toluene-d8	10.547	98	554196	45.971	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	91.940%		
62) 4-Bromofluorobenzene	12.829	95	200120	46.678	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	93.360%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.142	85	69166	19.911	ug/l	97
3) Chloromethane	2.383	50	64924	18.186	ug/l	100
4) Vinyl Chloride	2.536	62	75387	18.213	ug/l	99
5) Bromomethane	2.983	94	38722	18.130	ug/l	95
6) Chloroethane	3.136	64	48902	16.809	ug/l	97
7) Trichlorofluoromethane	3.512	101	115811	19.097	ug/l	89
8) Diethyl Ether	3.965	74	46457	17.590	ug/l	93
9) 1,1,2-Trichlorotrifluo...	4.365	101	64032	18.660	ug/l	97
10) Methyl Iodide	4.577	142	34681	18.492	ug/l	95
11) Tert butyl alcohol	5.518	59	85422	98.189	ug/l	97
12) 1,1-Dichloroethene	4.342	96	66773	18.936	ug/l	79
13) Acrolein	4.177	56	69467	64.951	ug/l	99
14) Allyl chloride	5.006	41	97686	15.287	ug/l	97
15) Acrylonitrile	5.706	53	225669	91.976	ug/l	97
16) Acetone	4.424	43	203662	74.657	ug/l	92
17) Carbon Disulfide	4.700	76	183104	18.861	ug/l	98
18) Methyl Acetate	5.018	43	105999	18.558	ug/l	95
19) Methyl tert-butyl Ether	5.789	73	231296	17.485	ug/l	96
20) Methylene Chloride	5.271	84	73615	17.858	ug/l	90
21) trans-1,2-Dichloroethene	5.783	96	70450	18.434	ug/l #	75
22) Diisopropyl ether	6.659	45	233009	16.897	ug/l	99
23) Vinyl Acetate	6.595	43	1068459	85.163	ug/l	99
24) 1,1-Dichloroethane	6.553	63	131566	17.401	ug/l	99
25) 2-Butanone	7.471	43	311215	86.713	ug/l	100
26) 2,2-Dichloropropane	7.471	77	105002	16.181	ug/l	97
27) cis-1,2-Dichloroethene	7.471	96	81510	17.840	ug/l	98
28) Bromochloromethane	7.794	49	73781	20.185	ug/l	94
29) Tetrahydrofuran	7.824	42	202783	87.795	ug/l	98
30) Chloroform	7.953	83	139492	18.075	ug/l	98
31) Cyclohexane	8.236	56	110383	17.512	ug/l	93
32) 1,1,1-Trichloroethane	8.153	97	120297	18.393	ug/l	97
36) 1,1-Dichloropropene	8.359	75	94862	19.198	ug/l	97
37) Ethyl Acetate	7.553	43	128820m	19.078	ug/l	
38) Carbon Tetrachloride	8.347	117	102890	21.090	ug/l	91
39) Methylcyclohexane	9.577	83	108563	19.956	ug/l	93
40) Benzene	8.588	78	294424	19.427	ug/l	98

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 Quant Title : SW846 8260
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.765	41	63056	18.028	ug/l	94
42) 1,2-Dichloroethane	8.653	62	109330	18.772	ug/l	99
43) Isopropyl Acetate	8.677	43	194291	18.430	ug/l	99
44) Trichloroethene	9.335	130	68424	19.775	ug/l	97
45) 1,2-Dichloropropane	9.606	63	75268	18.841	ug/l	99
46) Dibromomethane	9.688	93	55171	19.407	ug/l	92
47) Bromodichloromethane	9.871	83	111742	19.179	ug/l	98
48) Methyl methacrylate	9.665	41	90920	18.234	ug/l	94
49) 1,4-Dioxane	9.677	88	27105	419.382	ug/l #	100
51) 4-Methyl-2-Pentanone	10.424	43	613959	96.528	ug/l	99
52) Toluene	10.612	92	178980	19.049	ug/l	99
53) t-1,3-Dichloropropene	10.818	75	112345	18.629	ug/l	97
54) cis-1,3-Dichloropropene	10.294	75	120564	19.254	ug/l	97
55) 1,1,2-Trichloroethane	10.994	97	72856	20.045	ug/l	96
56) Ethyl methacrylate	10.859	69	109061	18.775	ug/l	97
57) 1,3-Dichloropropane	11.141	76	126827	19.716	ug/l	98
58) 2-Chloroethyl Vinyl ether	10.141	63	291495	92.716	ug/l	95
59) 2-Hexanone	11.177	43	384163	95.568	ug/l	96
60) Dibromochloromethane	11.335	129	82713	19.640	ug/l	99
61) 1,2-Dibromoethane	11.447	107	77599	20.247	ug/l	98
64) Tetrachloroethene	11.082	164	57747	20.215	ug/l #	86
65) Chlorobenzene	11.871	112	196587	19.192	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.941	131	68036	20.007	ug/l	98
67) Ethyl Benzene	11.941	91	353483	19.931	ug/l	99
68) m/p-Xylenes	12.047	106	261476	40.200	ug/l	98
69) o-Xylene	12.376	106	122646	19.241	ug/l	98
70) Styrene	12.388	104	211413	19.797	ug/l	97
71) Bromoform	12.559	173	55395	21.240	ug/l #	98
73) Isopropylbenzene	12.676	105	324606	18.625	ug/l	99
74) N-amyl acetate	12.600	43	126162m	19.102	ug/l	
75) 1,1,2,2-Tetrachloroethane	12.918	83	119115	19.852	ug/l	97
76) 1,2,3-Trichloropropane	12.971	75	93171m	18.421	ug/l	
77) Bromobenzene	12.959	156	78962	19.216	ug/l	93
78) n-propylbenzene	13.012	91	402999	18.773	ug/l	98
79) 2-Chlorotoluene	13.106	91	234548	18.156	ug/l	97
80) 1,3,5-Trimethylbenzene	13.153	105	279570	18.909	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.724	75	29497	15.440	ug/l	91
82) 4-Chlorotoluene	13.200	91	245522	18.076	ug/l	98
83) tert-Butylbenzene	13.418	119	236522	19.198	ug/l	96
84) 1,2,4-Trimethylbenzene	13.459	105	286891	19.384	ug/l	99
85) sec-Butylbenzene	13.594	105	354330	19.380	ug/l	99
86) p-Isopropyltoluene	13.706	119	293710	19.454	ug/l	97
87) 1,3-Dichlorobenzene	13.712	146	152633	18.862	ug/l	97
88) 1,4-Dichlorobenzene	13.788	146	166184	19.734	ug/l	96
89) n-Butylbenzene	14.035	91	284230	18.956	ug/l	99
90) Hexachloroethane	14.312	117	59172	20.572	ug/l	97
91) 1,2-Dichlorobenzene	14.088	146	150133	19.556	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.700	75	26733	18.755	ug/l	93
93) 1,2,4-Trichlorobenzene	15.365	180	89862	19.492	ug/l	99
94) Hexachlorobutadiene	15.470	225	37293	22.691	ug/l	96
95) Naphthalene	15.612	128	316101	19.358	ug/l	99
96) 1,2,3-Trichlorobenzene	15.812	180	87882	19.500	ug/l	98

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ClientSampleId :
VN0916MBSD01

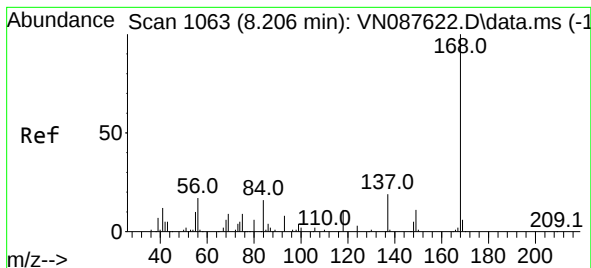
Manual Integrations
APPROVED

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Response via : Initial Calibration

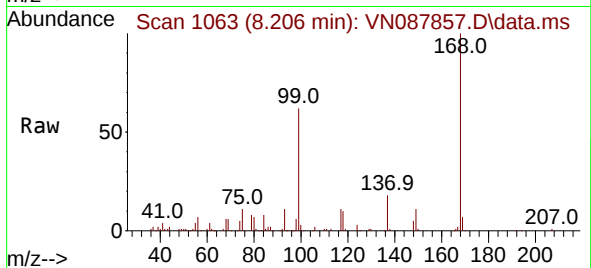
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.206 min Scan# 1063
Delta R.T. 0.000 min
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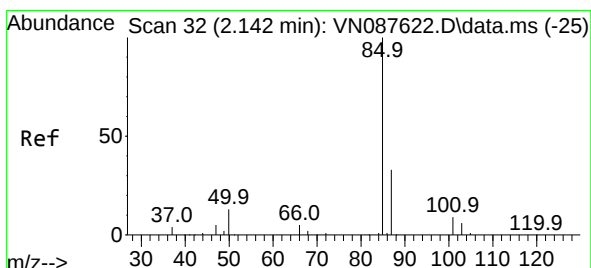
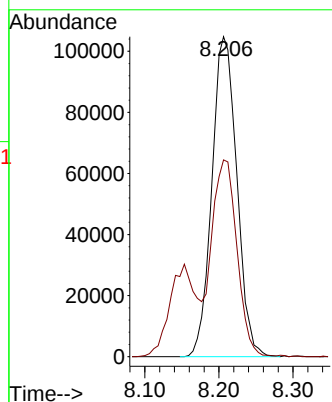
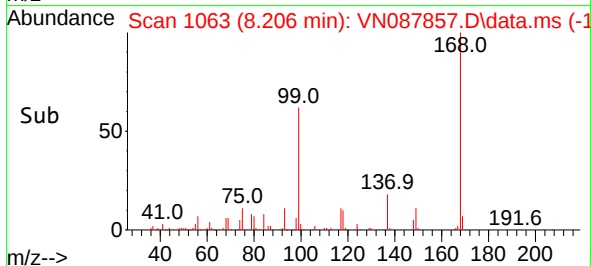
Instrument :
MSVOA_N
ClientSampleId :
VN0916MBS01



Tgt Ion:168 Resp: 244580
Ion Ratio Lower Upper
168 100
99 61.0 57.2 85.8

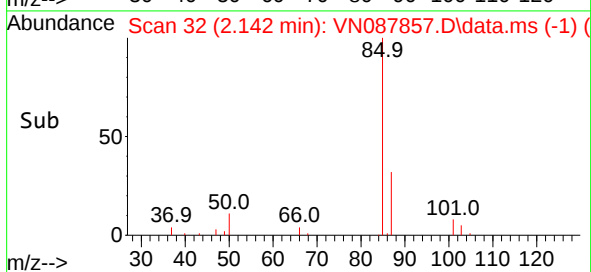
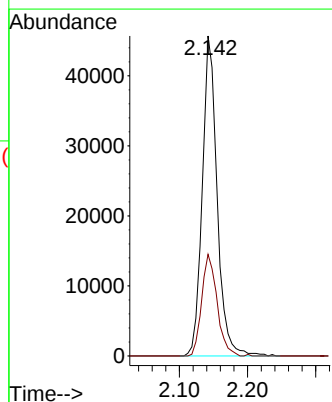
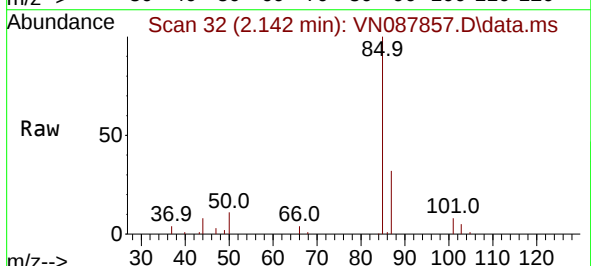
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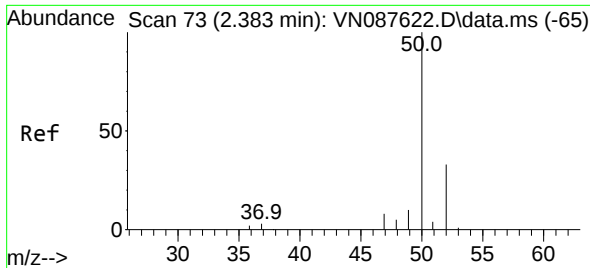
Reviewed By :John Carlone 09/17/2025
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#2
Dichlorodifluoromethane
Concen: 19.911 ug/l
RT: 2.142 min Scan# 32
Delta R.T. 0.000 min
Lab File: VN087857.D
Acq: 16 Sep 2025 17:54

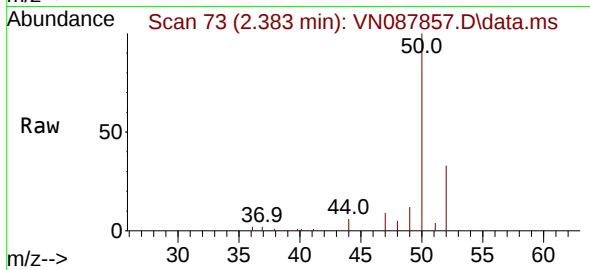
Tgt Ion: 85 Resp: 69166
Ion Ratio Lower Upper
85 100
87 31.8 16.6 49.8





#3
Chloromethane
Concen: 18.186 ug/l
RT: 2.383 min Scan# 71
Delta R.T. 0.000 min
Lab File: VN087857.D
Acq: 16 Sep 2025 17:54

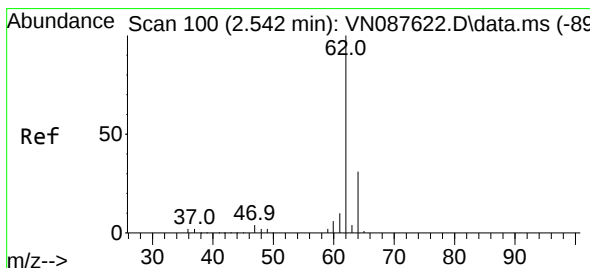
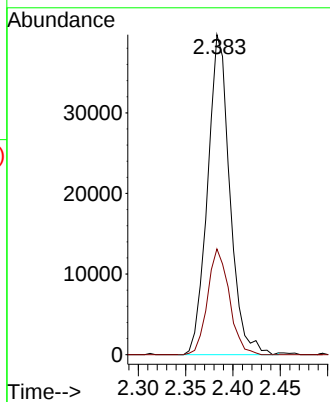
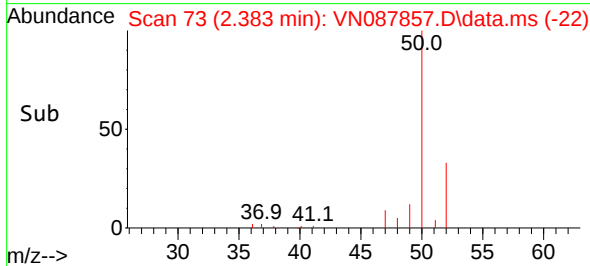
Instrument :
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ClientSampleId :
VN0916MBSD01



Tgt Ion: 50 Resp: 64924
Ion Ratio Lower Upper
50 100
52 33.0 26.2 39.4

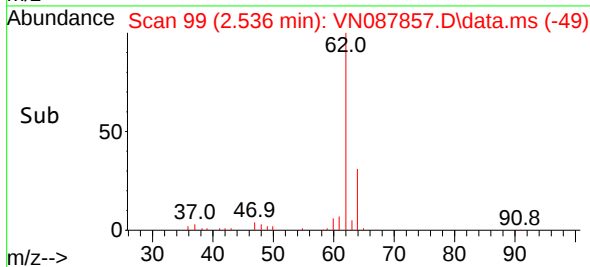
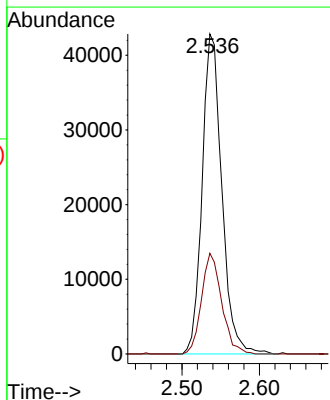
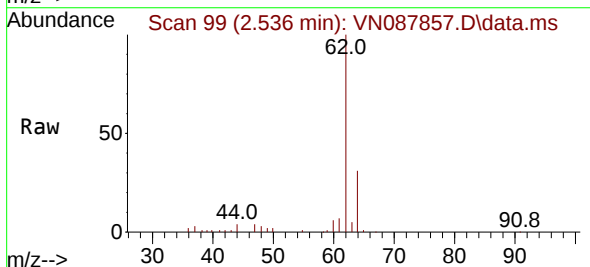
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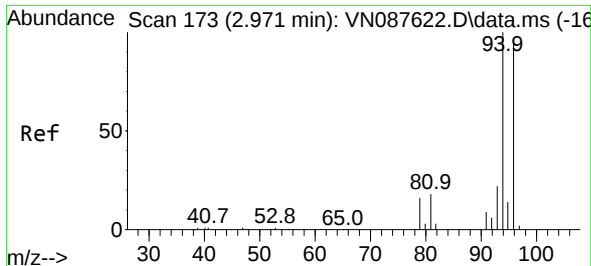
Reviewed By :John Carlone 09/17/2025
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#4
Vinyl Chloride
Concen: 18.213 ug/l
RT: 2.536 min Scan# 99
Delta R.T. -0.006 min
Lab File: VN087857.D
Acq: 16 Sep 2025 17:54

Tgt Ion: 62 Resp: 75387
Ion Ratio Lower Upper
62 100
64 31.5 24.6 37.0





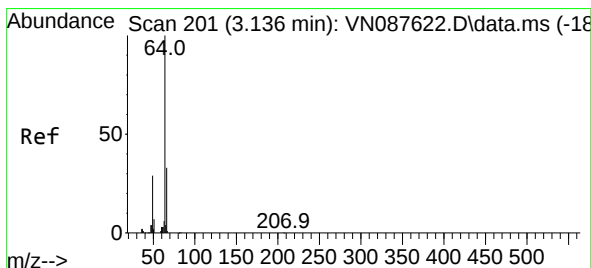
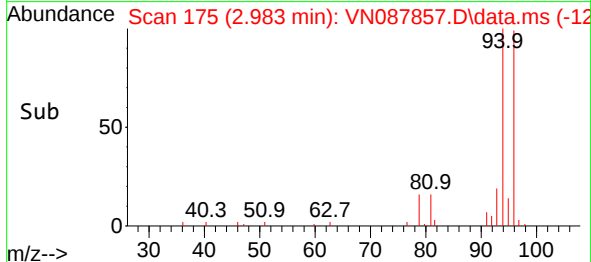
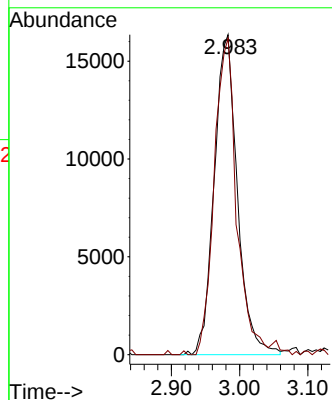
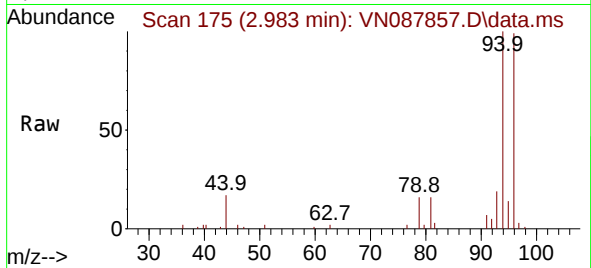
#5
Bromomethane
Concen: 18.130 ug/l
RT: 2.983 min Scan# 11
Delta R.T. 0.012 min
Lab File: VN087857.D
Acq: 16 Sep 2025 17:54

Instrument :
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Tgt Ion: 94 Resp: 3872
Ion Ratio Lower Upper
94 100
96 98.8 75.4 113.2

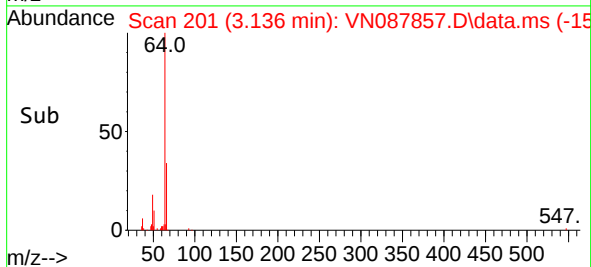
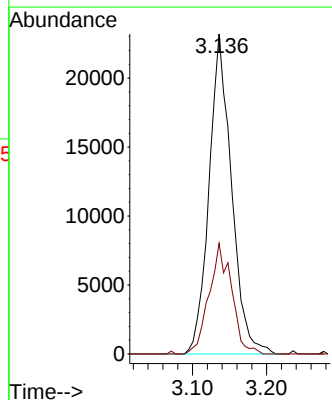
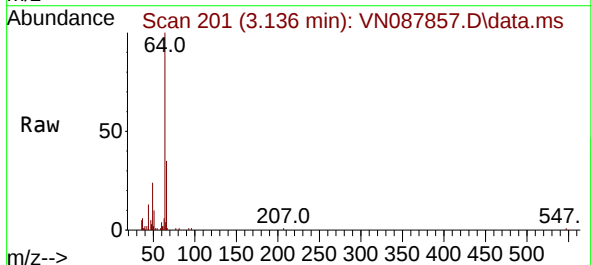
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#6
Chloroethane
Concen: 16.809 ug/l
RT: 3.136 min Scan# 201
Delta R.T. 0.000 min
Lab File: VN087857.D
Acq: 16 Sep 2025 17:54

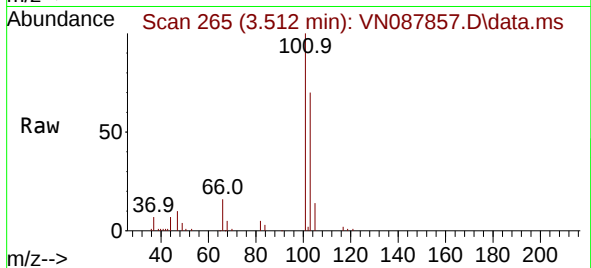
Tgt Ion: 64 Resp: 48902
Ion Ratio Lower Upper
64 100
66 34.6 26.2 39.2





#7
 Trichlorofluoromethane
 Concen: 19.097 ug/l
 RT: 3.512 min Scan# 20
 Delta R.T. 0.000 min
 Lab File: VN087857.D
 Acq: 16 Sep 2025 17:54

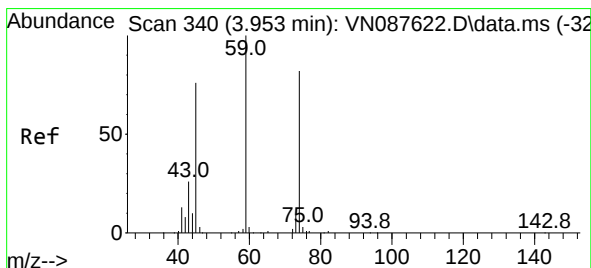
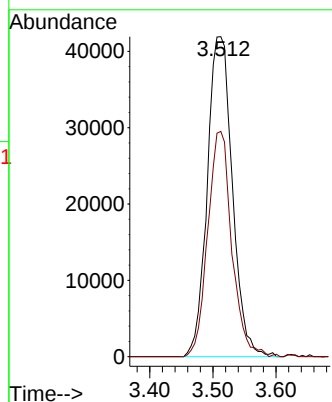
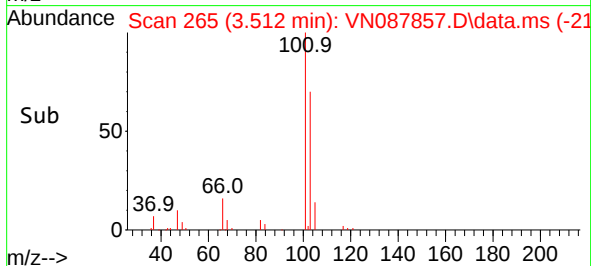
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0916MBS01



Tgt Ion:101 Resp: 11581
 Ion Ratio Lower Upper
 101 100
 103 70.4 49.4 74.0

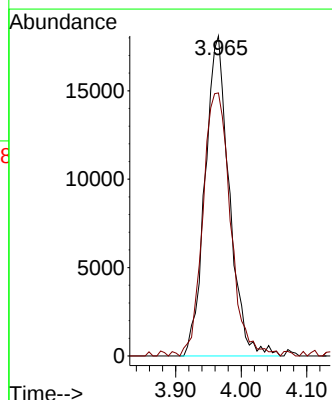
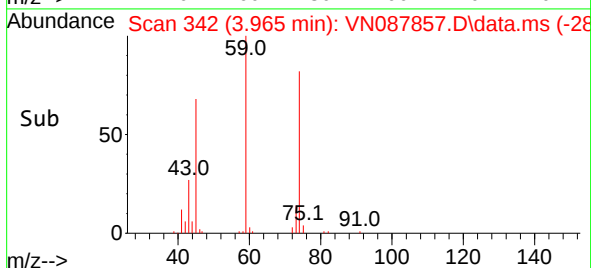
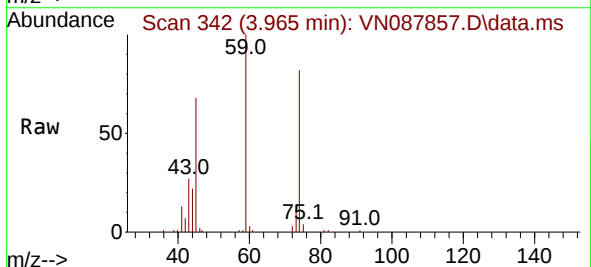
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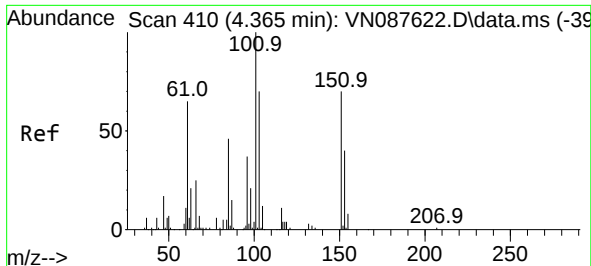
Reviewed By :John Carlone 09/17/2025
 Supervised By :Mahesh Dadoda 09/18/2025



#8
 Diethyl Ether
 Concen: 17.590 ug/l
 RT: 3.965 min Scan# 342
 Delta R.T. 0.012 min
 Lab File: VN087857.D
 Acq: 16 Sep 2025 17:54

Tgt Ion: 74 Resp: 46457
 Ion Ratio Lower Upper
 74 100
 45 93.8 50.6 151.9





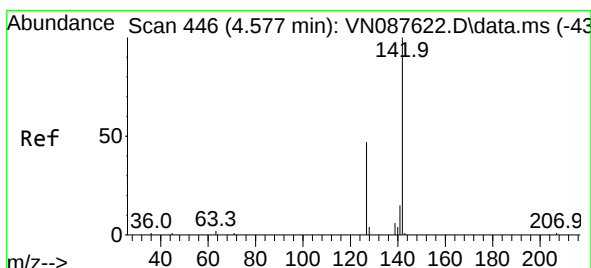
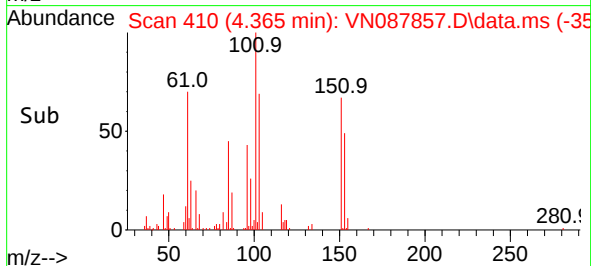
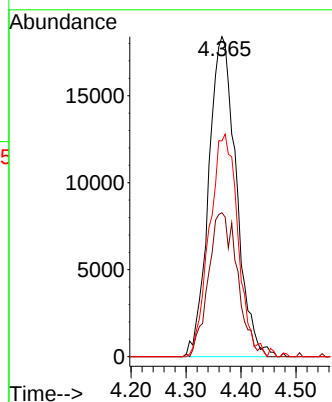
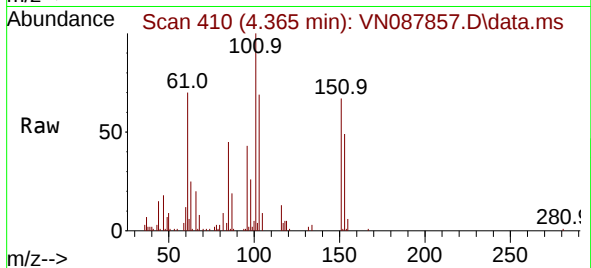
#9
1,1,2-Trichlorotrifluoroethane
Concen: 18.660 ug/l
RT: 4.365 min Scan# 410
Delta R.T. 0.000 min
Lab File: VN087857.D
Acq: 16 Sep 2025 17:54

Instrument :
MSVOA_N
ClientSampleId :
VN0916MBSD01

Tgt Ion:101 Resp: 6403
Ion Ratio Lower Upper
101 100
85 47.6 36.6 55.0
151 71.6 54.7 82.1

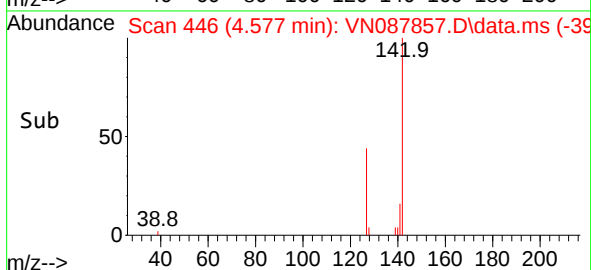
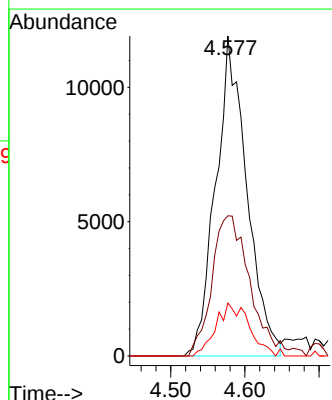
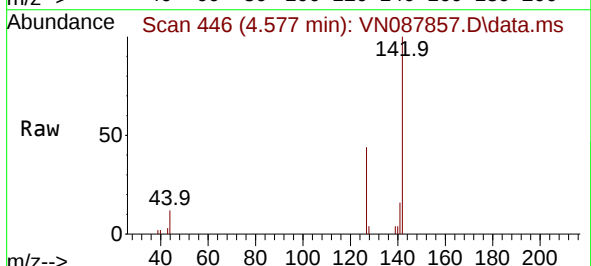
Manual Integrations
APPROVED

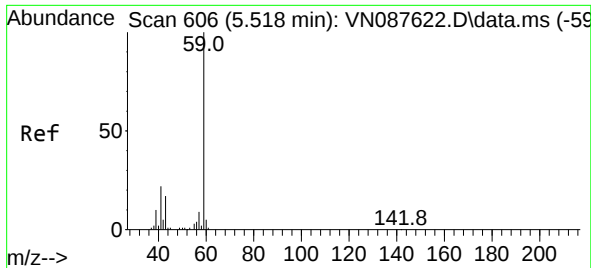
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025



#10
Methyl Iodide
Concen: 18.492 ug/l
RT: 4.577 min Scan# 446
Delta R.T. -0.000 min
Lab File: VN087857.D
Acq: 16 Sep 2025 17:54

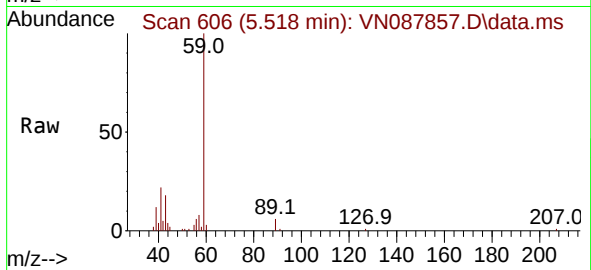
Tgt Ion:142 Resp: 34681
Ion Ratio Lower Upper
142 100
127 43.8 38.0 57.0
141 16.5 12.0 18.0





#11
Tert butyl alcohol
Concen: 98.189 ug/l
RT: 5.518 min Scan# 606
Delta R.T. 0.000 min
Lab File: VN087857.D
Acq: 16 Sep 2025 17:54

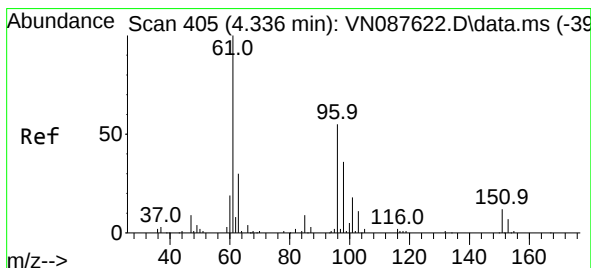
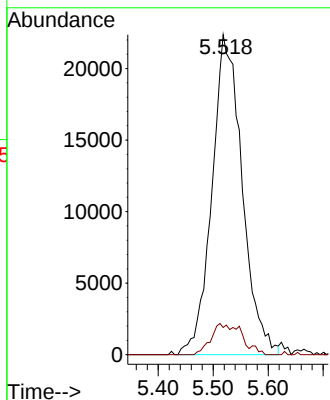
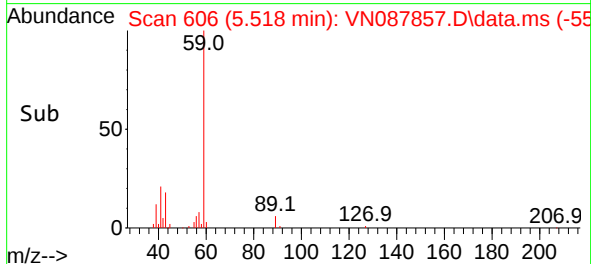
Instrument :
MSVOA_N
ClientSampleId :
VN0916MBS01



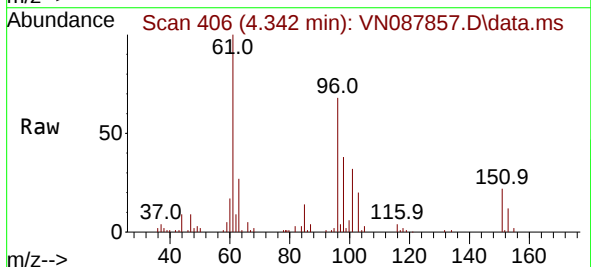
Tgt Ion: 59 Resp: 8542
Ion Ratio Lower Upper
59 100
57 9.9 9.0 13.4

Manual Integrations
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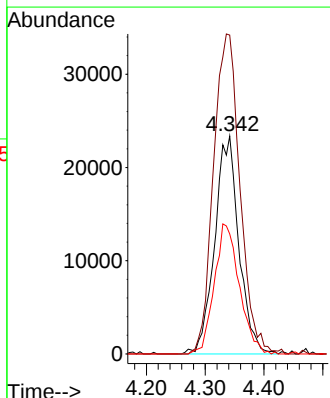
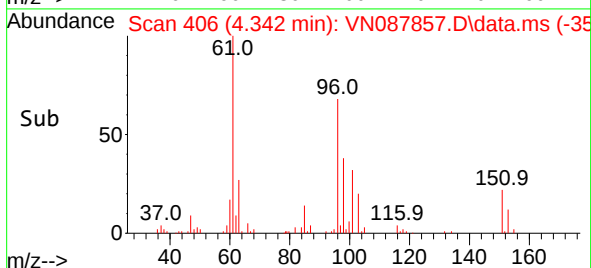
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

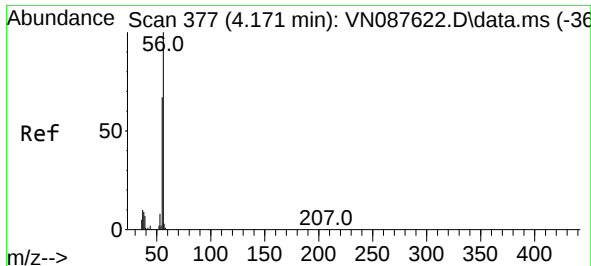


#12
1,1-Dichloroethene
Concen: 18.936 ug/l
RT: 4.342 min Scan# 406
Delta R.T. 0.006 min
Lab File: VN087857.D
Acq: 16 Sep 2025 17:54



Tgt Ion: 96 Resp: 66773
Ion Ratio Lower Upper
96 100
61 146.3 143.8 215.8
98 55.1 52.1 78.1





#13

Acrolein

Concen: 64.951 ug/l

RT: 4.177 min Scan# 31

Delta R.T. 0.006 min

Lab File: VN087857.D

Acq: 16 Sep 2025 17:54

Instrument :

MSVOA_N

ClientSampleId :

VN0916MBS01

Tgt Ion: 56 Resp: 6946

Ion Ratio Lower Upper

56 100

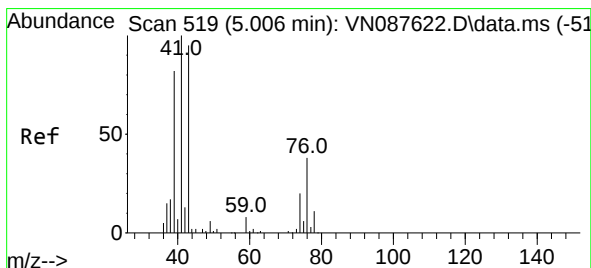
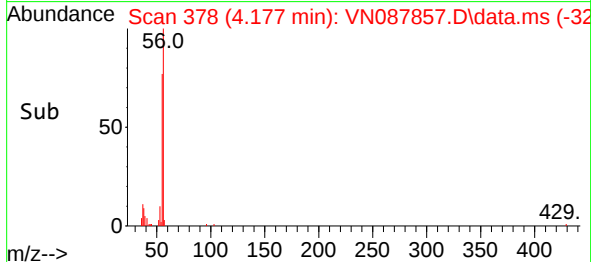
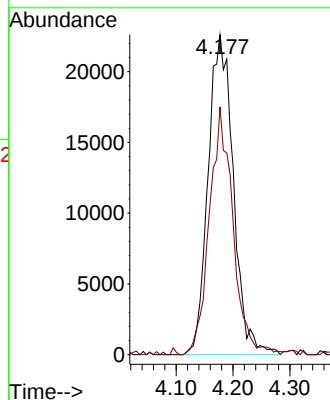
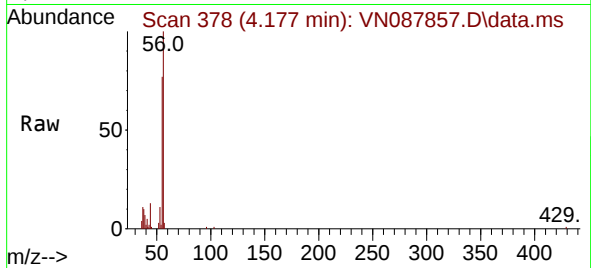
55 72.6 57.3 85.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/17/2025

Supervised By :Mahesh Dadoda 09/18/2025



#14

Allyl chloride

Concen: 15.287 ug/l

RT: 5.006 min Scan# 519

Delta R.T. 0.000 min

Lab File: VN087857.D

Acq: 16 Sep 2025 17:54

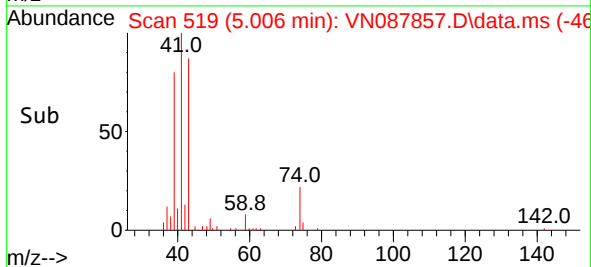
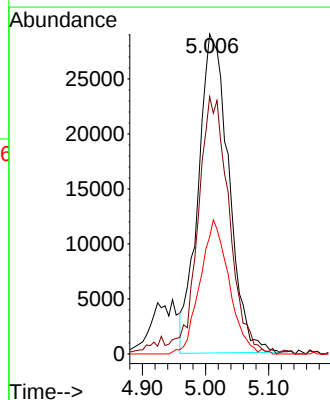
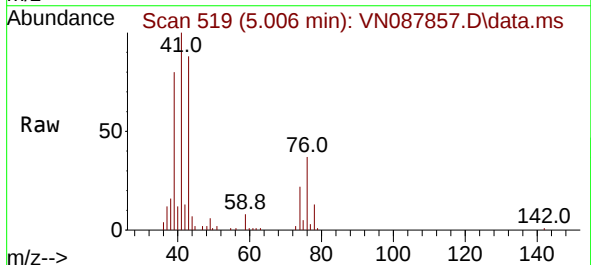
Tgt Ion: 41 Resp: 97686

Ion Ratio Lower Upper

41 100

39 79.5 63.9 95.9

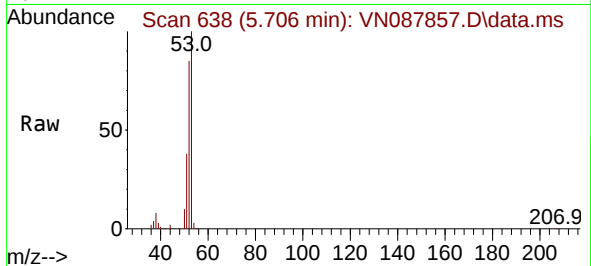
76 39.9 28.1 42.1





#15
Acrylonitrile
Concen: 91.976 ug/l
RT: 5.706 min Scan# 61
Delta R.T. 0.000 min
Lab File: VN087857.D
Acq: 16 Sep 2025 17:54

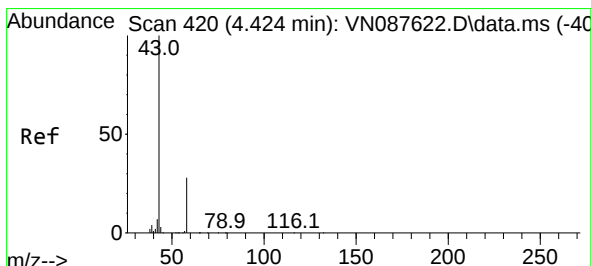
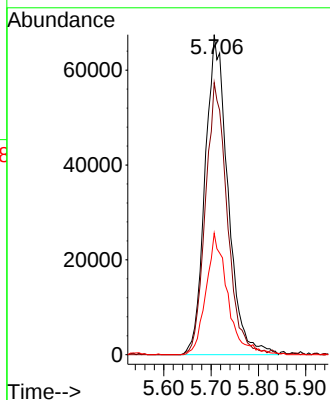
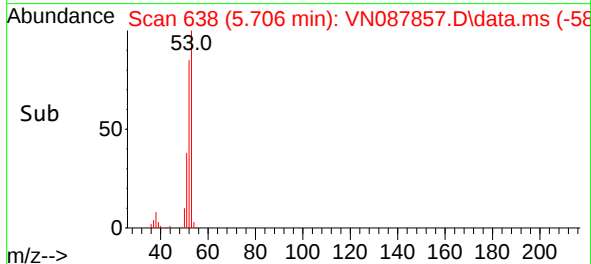
Instrument :
MSVOA_N
ClientSampleId :
VN0916MBS01



Tgt Ion: 53 Resp: 225669
Ion Ratio Lower Upper
53 100
52 81.0 67.6 101.4
51 36.1 30.1 45.1

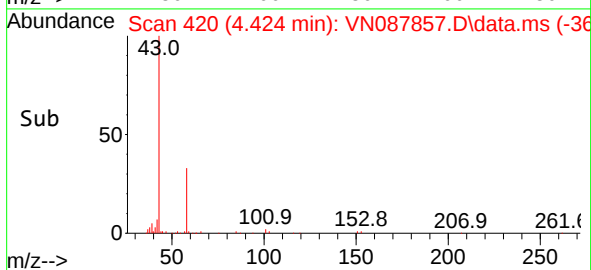
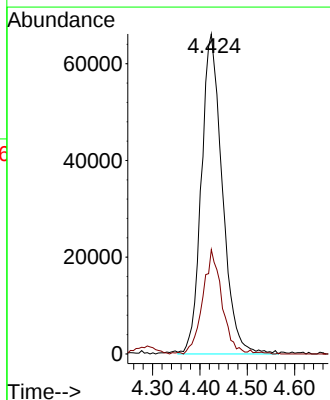
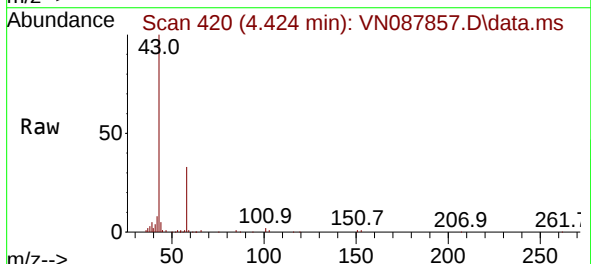
Manual Integrations
APPROVED

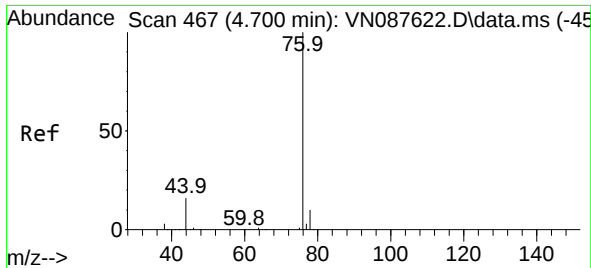
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025



#16
Acetone
Concen: 74.657 ug/l
RT: 4.424 min Scan# 420
Delta R.T. 0.000 min
Lab File: VN087857.D
Acq: 16 Sep 2025 17:54

Tgt Ion: 43 Resp: 203662
Ion Ratio Lower Upper
43 100
58 32.4 22.6 33.8





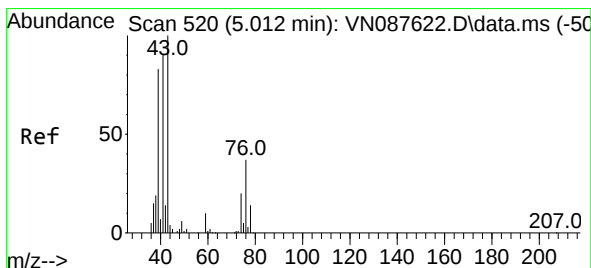
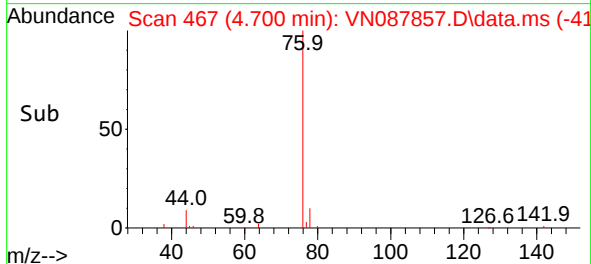
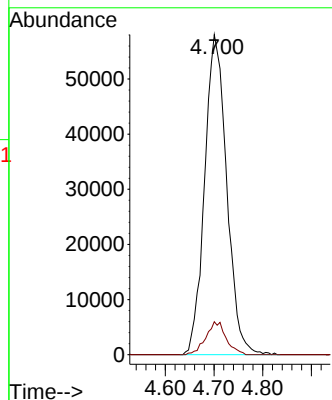
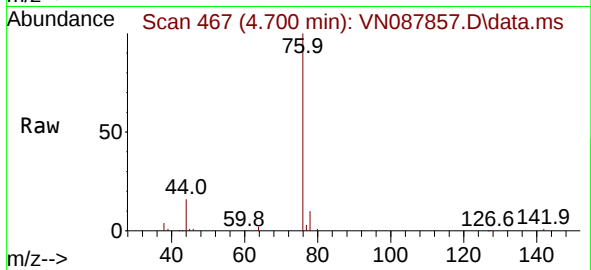
#17
Carbon Disulfide
Concen: 18.861 ug/l
RT: 4.700 min Scan# 467
Delta R.T. 0.000 min
Lab File: VN087857.D
Acq: 16 Sep 2025 17:54

Instrument :
MSVOA_N
ClientSampleId :
VN0916MBSD01

Tgt Ion: 76 Resp: 183104
Ion Ratio Lower Upper
76 100
78 10.3 7.6 11.4

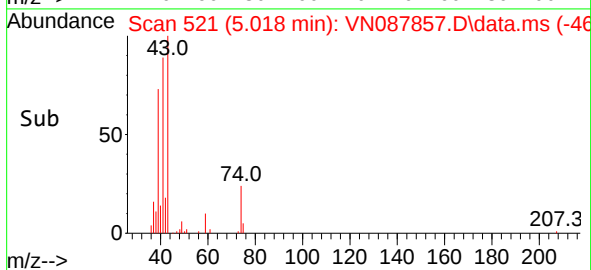
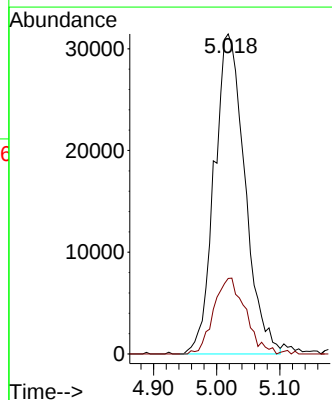
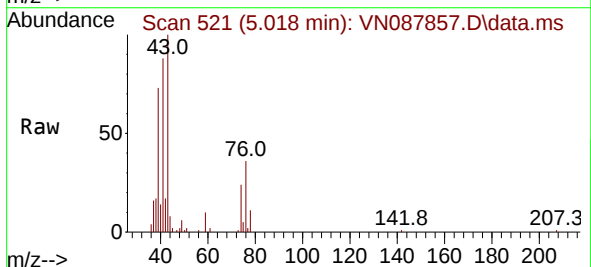
Manual Integrations
APPROVED

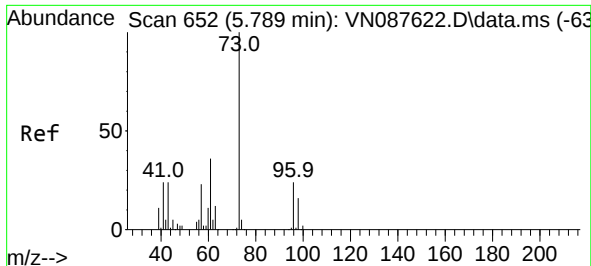
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025



#18
Methyl Acetate
Concen: 18.558 ug/l
RT: 5.018 min Scan# 521
Delta R.T. 0.006 min
Lab File: VN087857.D
Acq: 16 Sep 2025 17:54

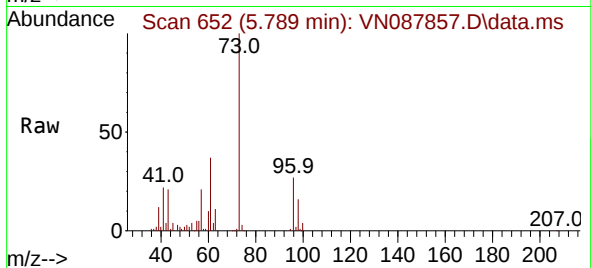
Tgt Ion: 43 Resp: 105999
Ion Ratio Lower Upper
43 100
74 24.6 17.6 26.4





#19
Methyl tert-butyl Ether
Concen: 17.485 ug/l
RT: 5.789 min Scan# 61
Delta R.T. 0.000 min
Lab File: VN087857.D
Acq: 16 Sep 2025 17:54

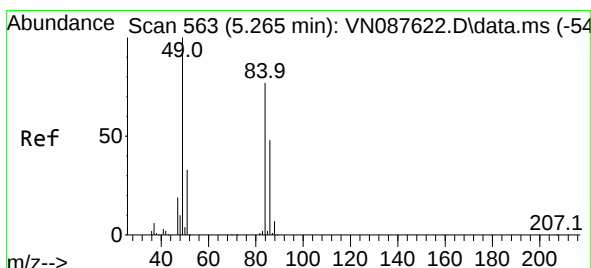
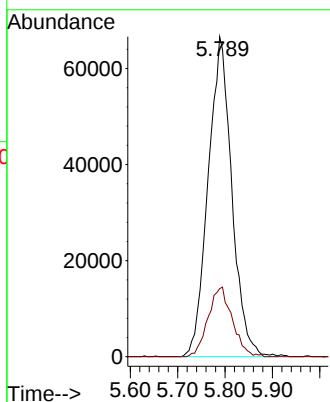
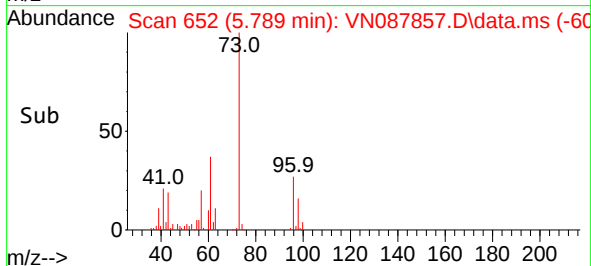
Instrument :
MSVOA_N
ClientSampleId :
VN0916MBS01



Tgt Ion: 73 Resp: 231290
Ion Ratio Lower Upper
73 100
57 21.3 18.4 27.6

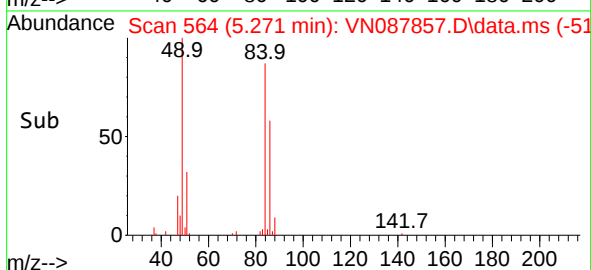
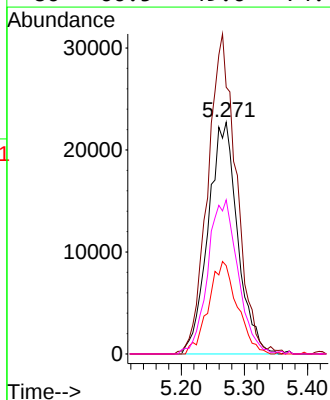
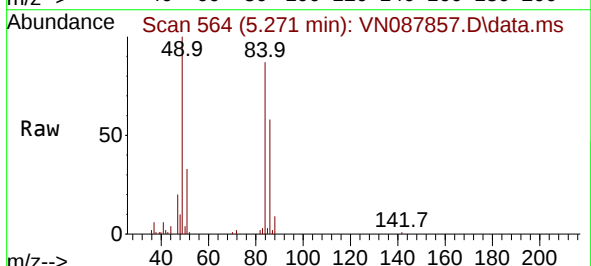
Manual Integrations
APPROVED

Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025



#20
Methylene Chloride
Concen: 17.858 ug/l
RT: 5.271 min Scan# 564
Delta R.T. 0.006 min
Lab File: VN087857.D
Acq: 16 Sep 2025 17:54

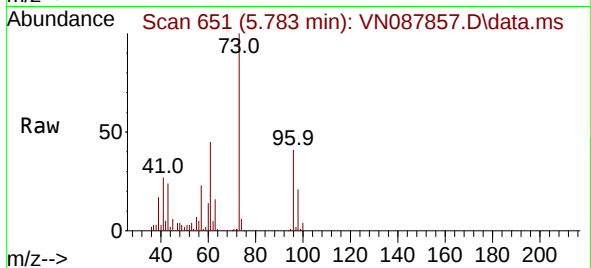
Tgt Ion: 84 Resp: 73615
Ion Ratio Lower Upper
84 100
49 114.0 103.4 155.2
51 38.1 33.8 50.8
86 66.5 49.6 74.4





#21
trans-1,2-Dichloroethene
Concen: 18.434 ug/l
RT: 5.783 min Scan# 61
Delta R.T. 0.006 min
Lab File: VN087857.D
Acq: 16 Sep 2025 17:54

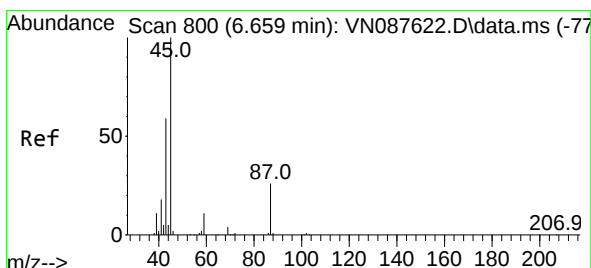
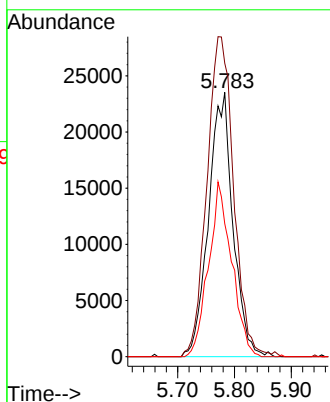
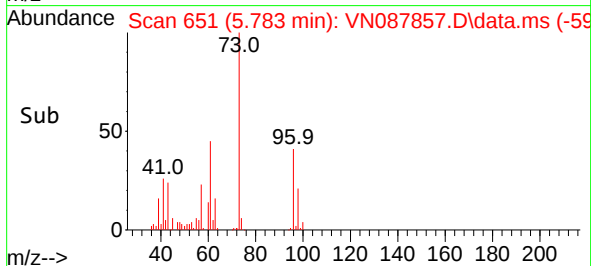
Instrument :
MSVOA_N
ClientSampleId :
VN0916MBS01



Tgt Ion: 96 Resp: 70450
Ion Ratio Lower Upper
96 100
61 111.0 118.0 177.0
98 50.3 50.0 75.0

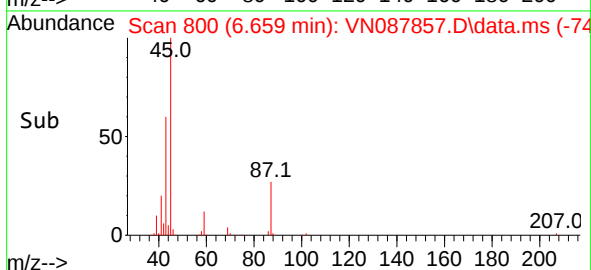
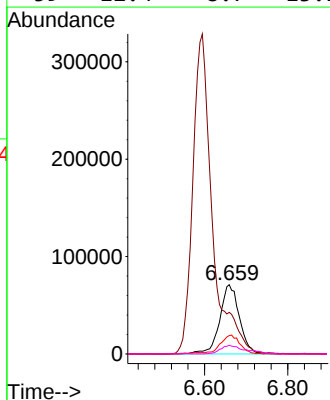
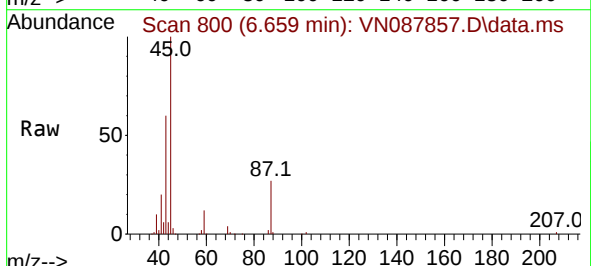
Manual Integrations
APPROVED

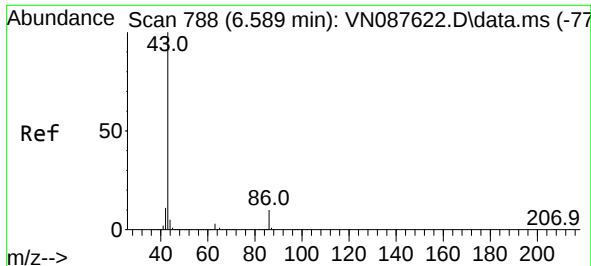
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025



#22
Diisopropyl ether
Concen: 16.897 ug/l
RT: 6.659 min Scan# 800
Delta R.T. 0.000 min
Lab File: VN087857.D
Acq: 16 Sep 2025 17:54

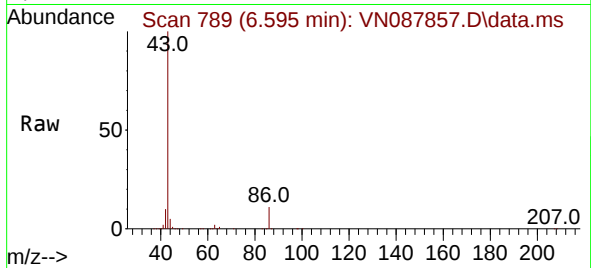
Tgt Ion: 45 Resp: 233009
Ion Ratio Lower Upper
45 100
43 59.1 47.7 71.5
87 26.7 21.4 32.0
59 12.4 8.7 13.1





#23
 Vinyl Acetate
 Concen: 85.163 ug/l
 RT: 6.595 min Scan# 789
 Delta R.T. 0.006 min
 Lab File: VN087857.D
 Acq: 16 Sep 2025 17:54

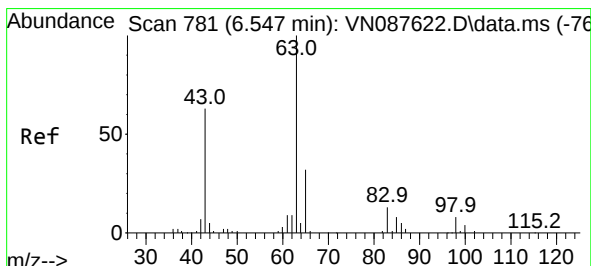
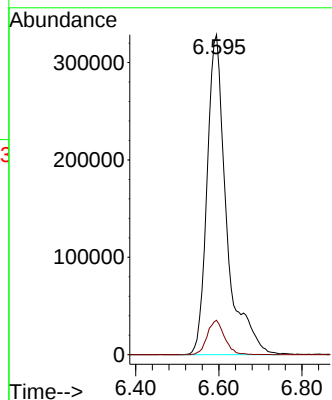
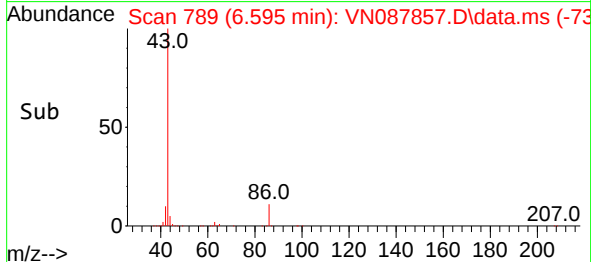
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0916MBS01



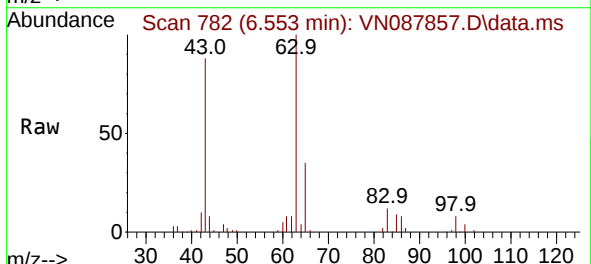
Tgt Ion: 43 Resp: 106845
 Ion Ratio Lower Upper
 43 100
 86 10.8 8.2 12.4

Manual Integrations
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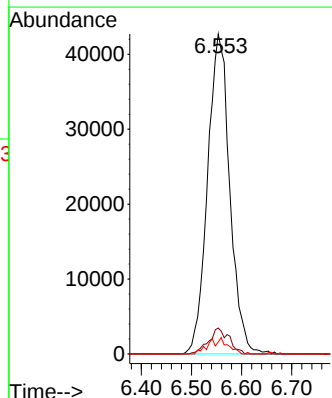
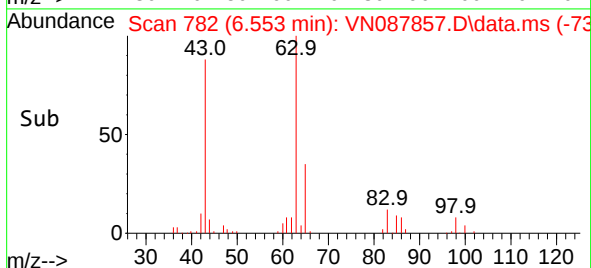
Reviewed By :John Carlone 09/17/2025
 Supervised By :Mahesh Dadoda 09/18/2025

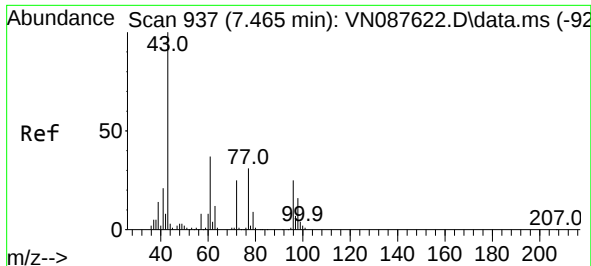


#24
 1,1-Dichloroethane
 Concen: 17.401 ug/l
 RT: 6.553 min Scan# 782
 Delta R.T. 0.006 min
 Lab File: VN087857.D
 Acq: 16 Sep 2025 17:54



Tgt Ion: 63 Resp: 131566
 Ion Ratio Lower Upper
 63 100
 98 8.1 3.8 11.4
 100 3.8 2.0 6.0





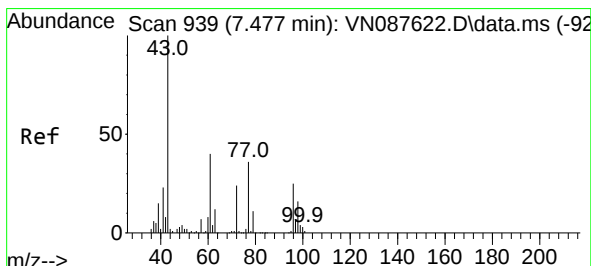
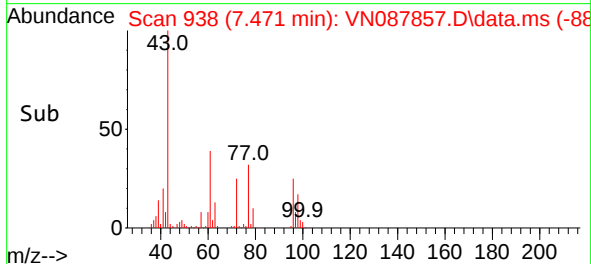
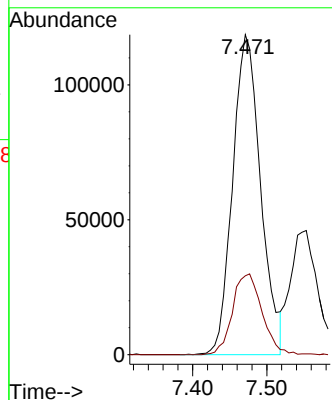
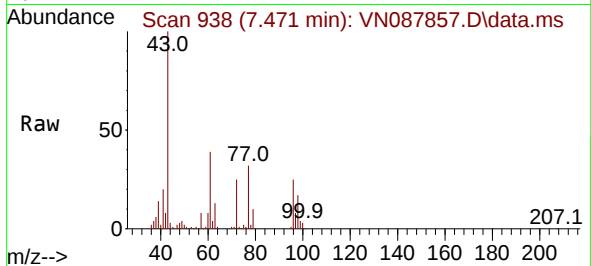
#25
2-Butanone
Concen: 86.713 ug/l
RT: 7.471 min Scan# 911
Delta R.T. 0.006 min
Lab File: VN087857.D
Acq: 16 Sep 2025 17:54

Instrument :
MSVOA_N
ClientSampleId :
VN0916MBS01

Tgt Ion: 43 Resp: 311215
Ion Ratio Lower Upper
43 100
72 24.7 19.9 29.9

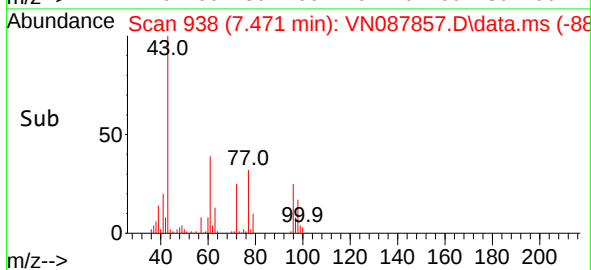
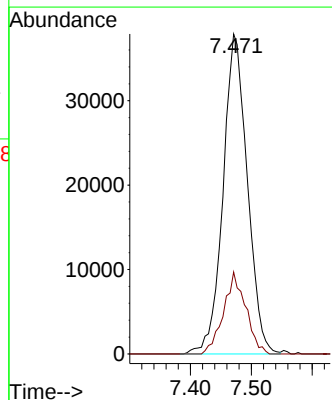
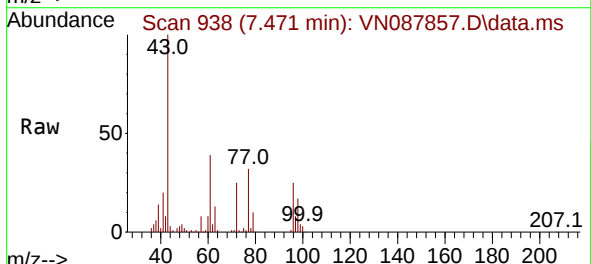
Manual Integrations
APPROVED

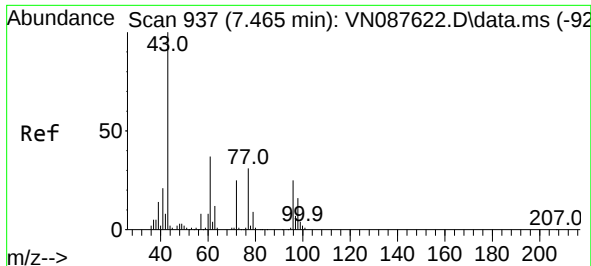
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025



#26
2,2-Dichloropropane
Concen: 16.181 ug/l
RT: 7.471 min Scan# 938
Delta R.T. -0.006 min
Lab File: VN087857.D
Acq: 16 Sep 2025 17:54

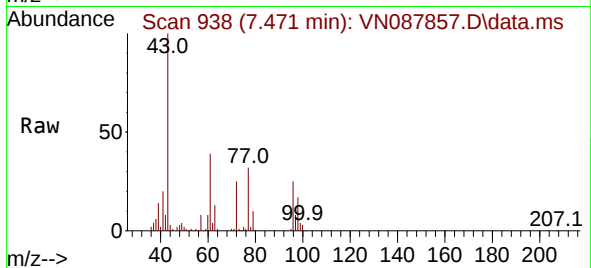
Tgt Ion: 77 Resp: 105002
Ion Ratio Lower Upper
77 100
97 23.4 10.9 32.7





#27
 cis-1,2-Dichloroethene
 Concen: 17.840 ug/l
 RT: 7.471 min Scan# 91
 Delta R.T. 0.006 min
 Lab File: VN087857.D
 Acq: 16 Sep 2025 17:54

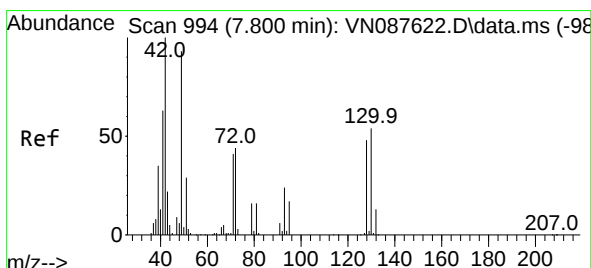
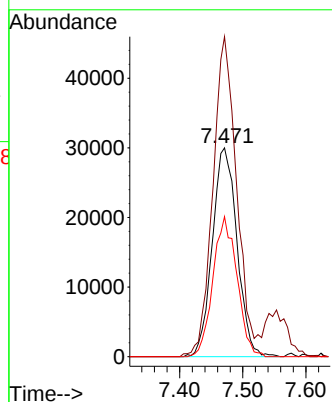
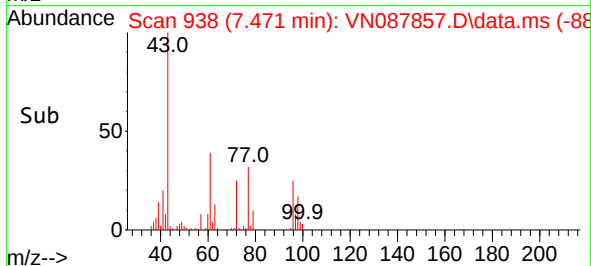
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0916MBS01



Tgt Ion: 96 Resp: 81510
 Ion Ratio Lower Upper
 96 100
 61 148.5 0.0 301.8
 98 65.2 0.0 126.2

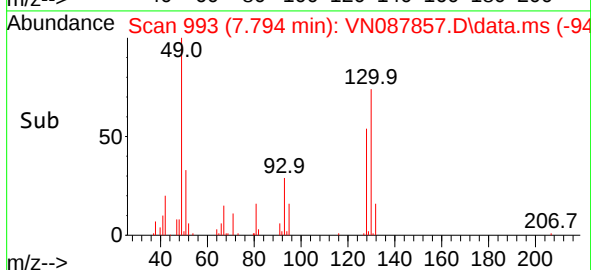
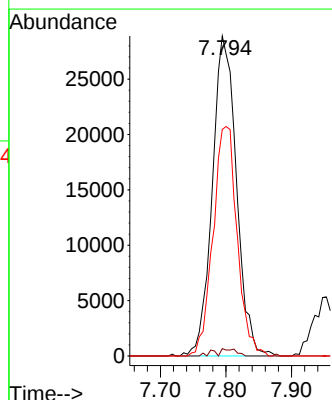
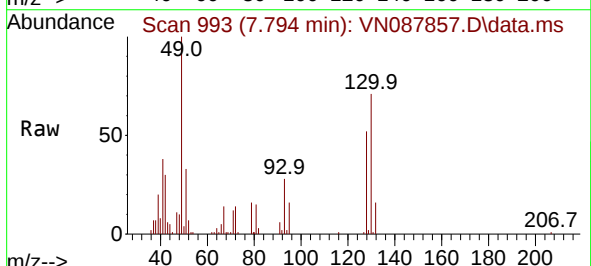
Manual Integrations
 APPROVED

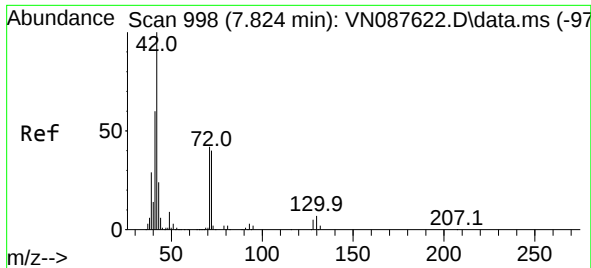
Reviewed By :John Carlone 09/17/2025
 Supervised By :Mahesh Dadoda 09/18/2025



#28
 Bromochloromethane
 Concen: 20.185 ug/l
 RT: 7.794 min Scan# 993
 Delta R.T. -0.006 min
 Lab File: VN087857.D
 Acq: 16 Sep 2025 17:54

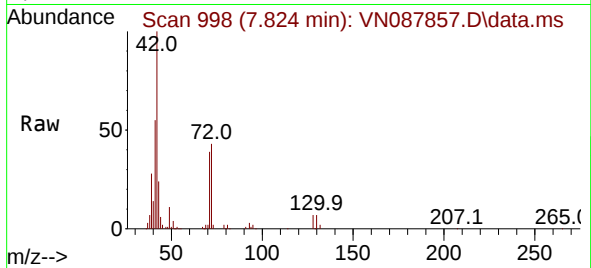
Tgt Ion: 49 Resp: 73781
 Ion Ratio Lower Upper
 49 100
 129 1.3 0.0 3.0
 130 71.6 53.1 79.7





#29
Tetrahydrofuran
Concen: 87.795 ug/l
RT: 7.824 min Scan# 998
Delta R.T. 0.000 min
Lab File: VN087857.D
Acq: 16 Sep 2025 17:54

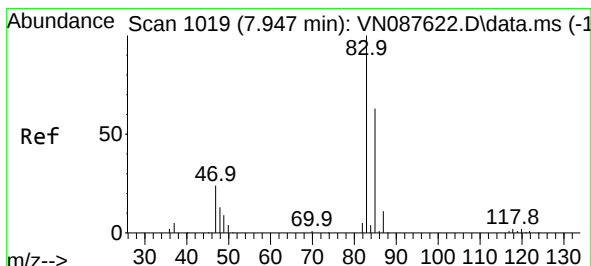
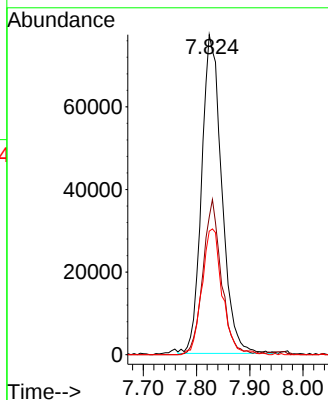
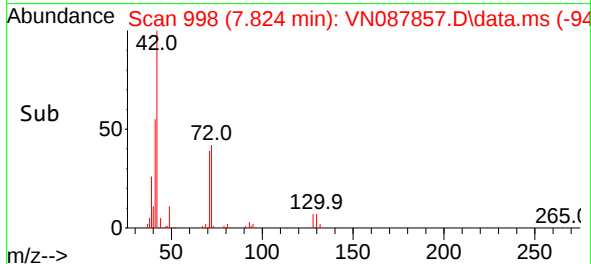
Instrument :
MSVOA_N
ClientSampleId :
VN0916MBS01



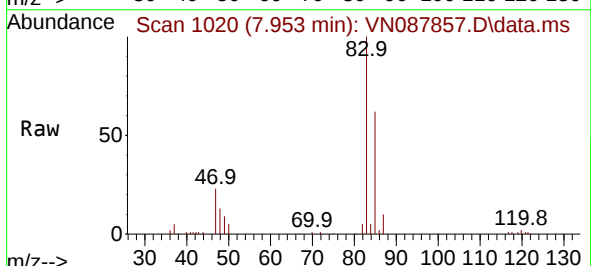
Tgt Ion: 42 Resp: 202783
Ion Ratio Lower Upper
42 100
72 44.4 33.7 50.5
71 40.1 31.9 47.9

Manual Integrations
APPROVED

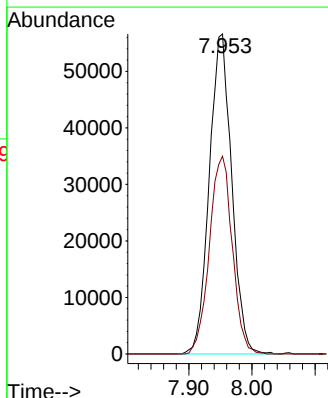
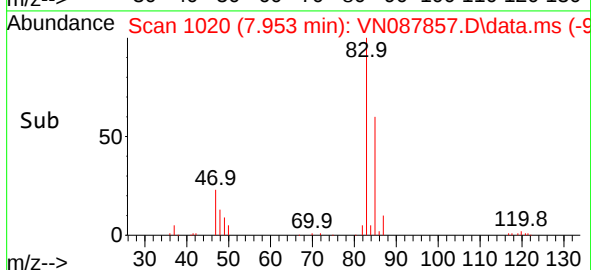
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

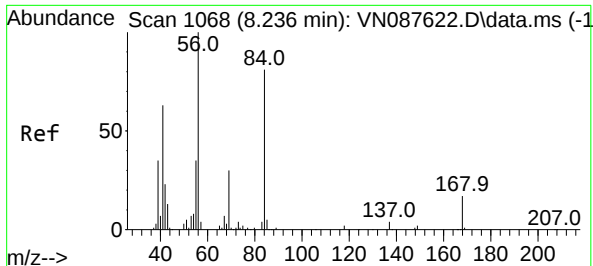


#30
Chloroform
Concen: 18.075 ug/l
RT: 7.953 min Scan# 1020
Delta R.T. 0.006 min
Lab File: VN087857.D
Acq: 16 Sep 2025 17:54



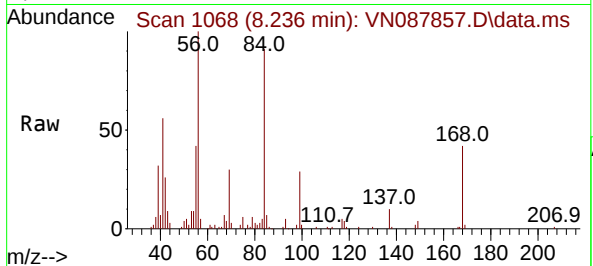
Tgt Ion: 83 Resp: 139492
Ion Ratio Lower Upper
83 100
85 61.8 50.7 76.1





#31
Cyclohexane
Concen: 17.512 ug/l
RT: 8.236 min Scan# 1068
Delta R.T. 0.000 min
Lab File: VN087857.D
Acq: 16 Sep 2025 17:54

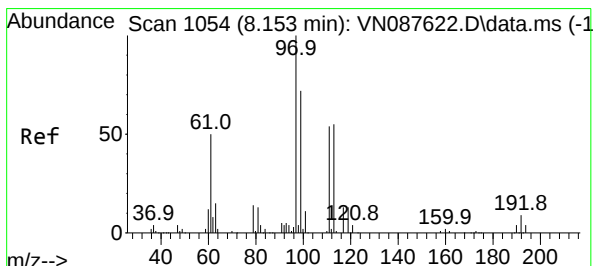
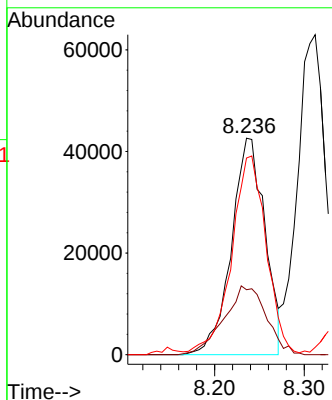
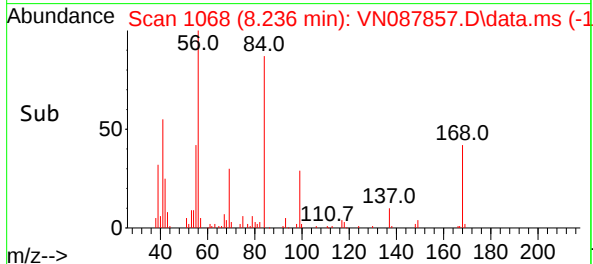
Instrument :
MSVOA_N
ClientSampleId :
VN0916MBS01



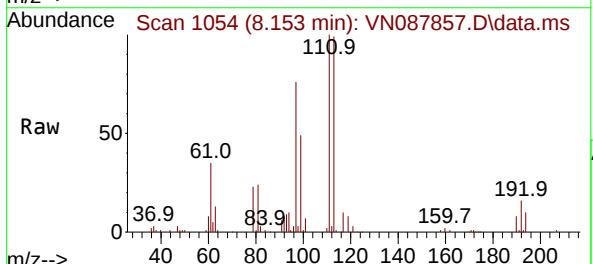
Tgt Ion: 56 Resp: 11038
Ion Ratio Lower Upper
56 100
69 30.0 23.7 35.5
84 89.2 64.7 97.1

Manual Integrations
APPROVED

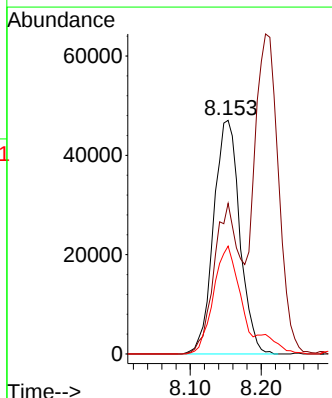
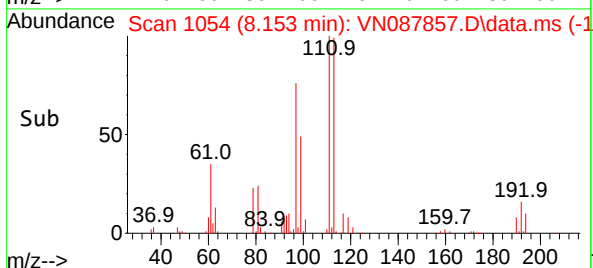
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

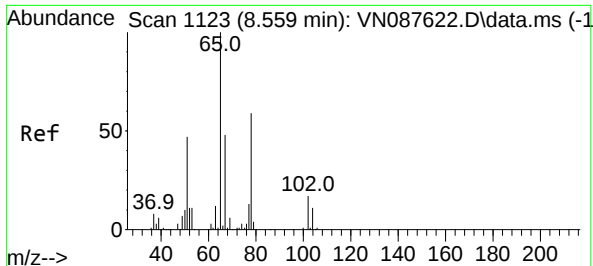


#32
1,1,1-Trichloroethane
Concen: 18.393 ug/l
RT: 8.153 min Scan# 1054
Delta R.T. 0.000 min
Lab File: VN087857.D
Acq: 16 Sep 2025 17:54



Tgt Ion: 97 Resp: 120297
Ion Ratio Lower Upper
97 100
99 63.3 52.2 78.2
61 48.6 41.2 61.8





#33

1,2-Dichloroethane-d4

Concen: 41.110 ug/l

RT: 8.565 min Scan# 1123

Delta R.T. 0.006 min

Lab File: VN087857.D

Acq: 16 Sep 2025 17:54

Instrument :

MSVOA_N

ClientSampleId :

VN0916MBS01

Tgt Ion: 65 Resp: 206010

Ion Ratio Lower Upper

65 100

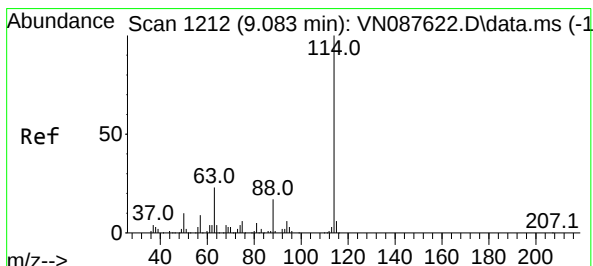
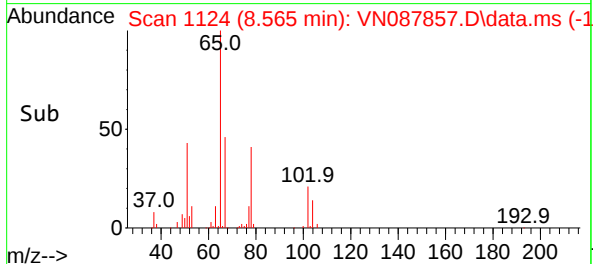
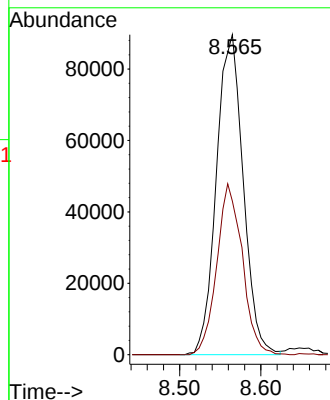
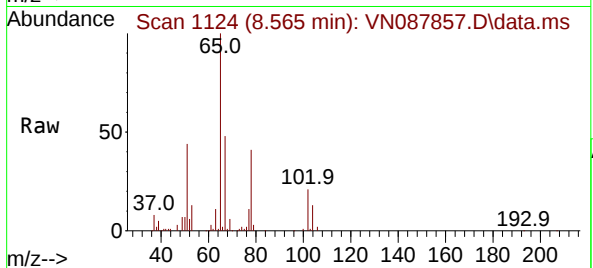
67 50.7 0.0 100.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/17/2025

Supervised By :Mahesh Dadoda 09/18/2025



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.083 min Scan# 1212

Delta R.T. 0.000 min

Lab File: VN087857.D

Acq: 16 Sep 2025 17:54

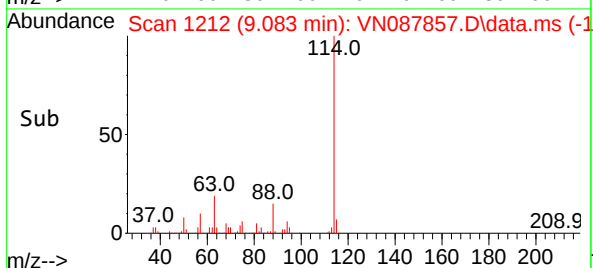
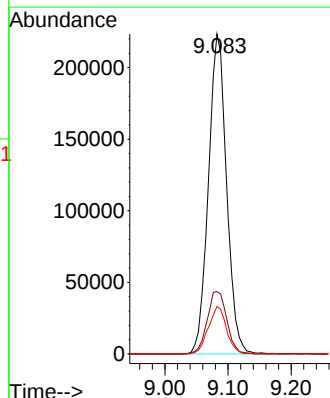
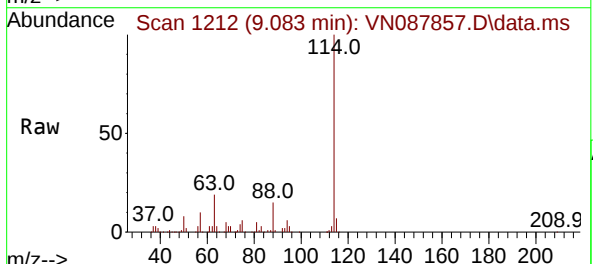
Tgt Ion:114 Resp: 446115

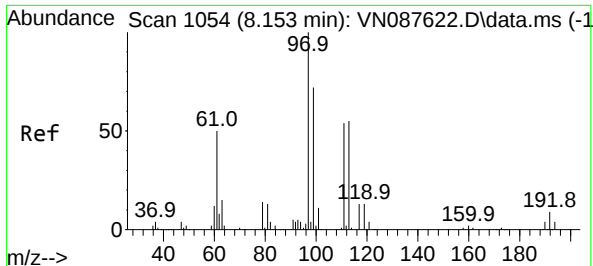
Ion Ratio Lower Upper

114 100

63 19.5 0.0 45.2

88 14.8 0.0 33.4





#35

Dibromofluoromethane

Concen: 48.133 ug/l

RT: 8.147 min Scan# 1053

Delta R.T. -0.006 min

Lab File: VN087857.D

Acq: 16 Sep 2025 17:54

Instrument :

MSVOA_N

ClientSampleId :

VN0916MBS01

Tgt Ion: 113 Resp: 155034

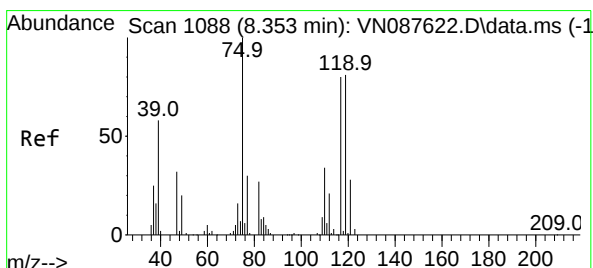
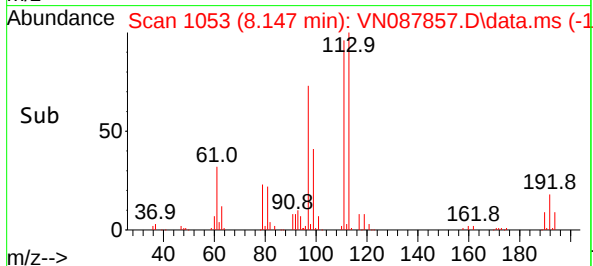
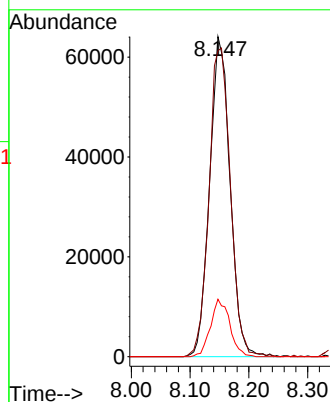
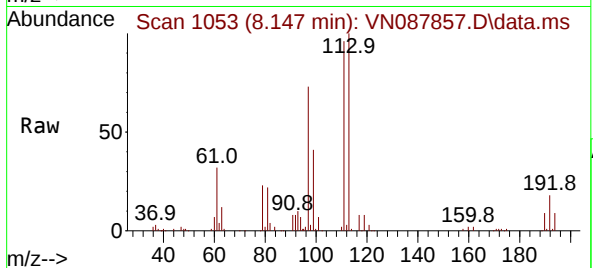
Ion	Ratio	Lower	Upper
113	100		
111	100.9	82.8	124.2
192	17.0	12.8	19.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/17/2025

Supervised By :Mahesh Dadoda 09/18/2025



#36

1,1-Dichloropropene

Concen: 19.198 ug/l

RT: 8.359 min Scan# 1089

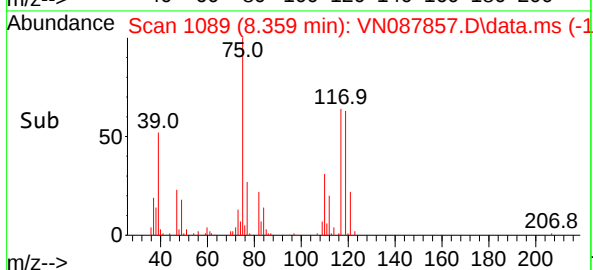
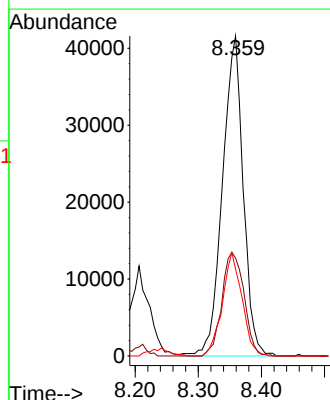
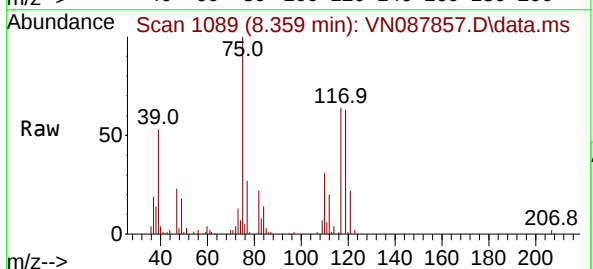
Delta R.T. 0.006 min

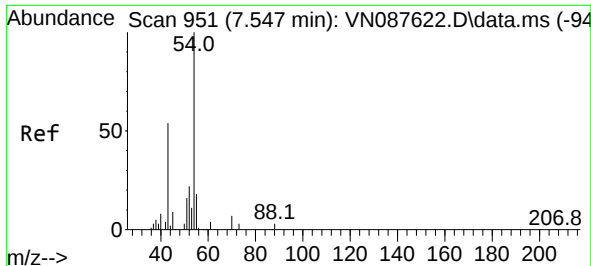
Lab File: VN087857.D

Acq: 16 Sep 2025 17:54

Tgt Ion: 75 Resp: 94862

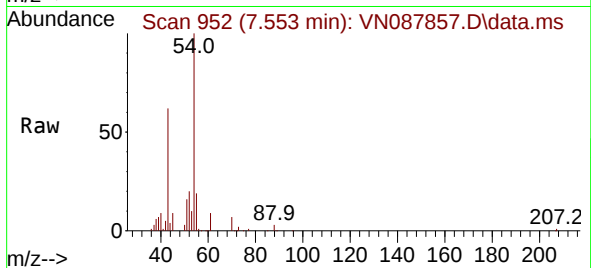
Ion	Ratio	Lower	Upper
75	100		
110	34.6	15.9	47.6
77	30.7	24.4	36.6





#37
Ethyl Acetate
Concen: 19.078 ug/l m
RT: 7.553 min Scan# 91
Delta R.T. 0.006 min
Lab File: VN087857.D
Acq: 16 Sep 2025 17:54

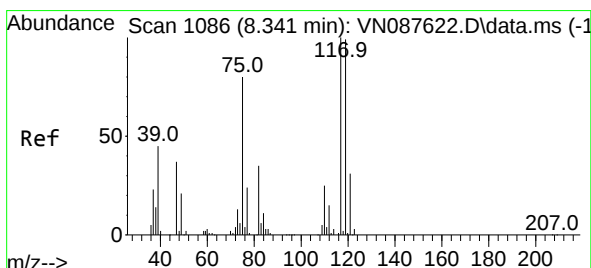
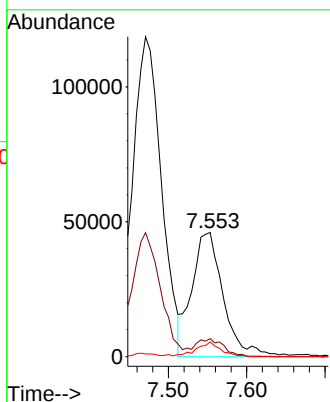
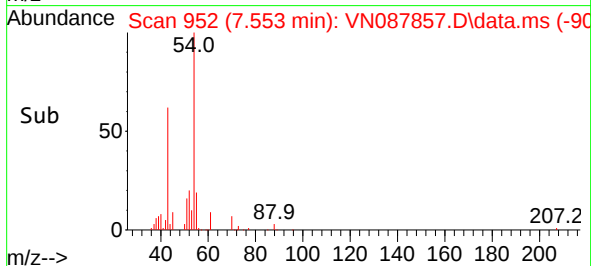
Instrument :
MSVOA_N
ClientSampleId :
VN0916MBS01



Tgt Ion: 43 Resp: 128820
Ion Ratio Lower Upper
43 100
61 12.1 9.3 13.9
70 9.1 7.0 10.6

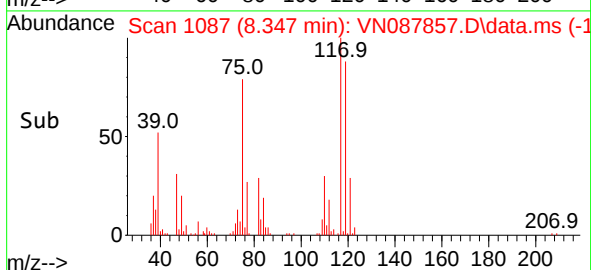
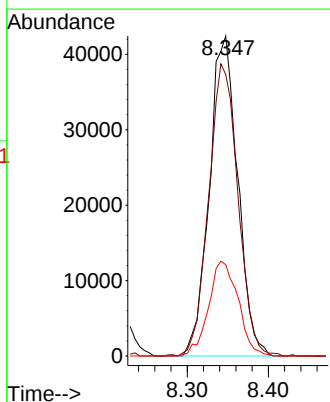
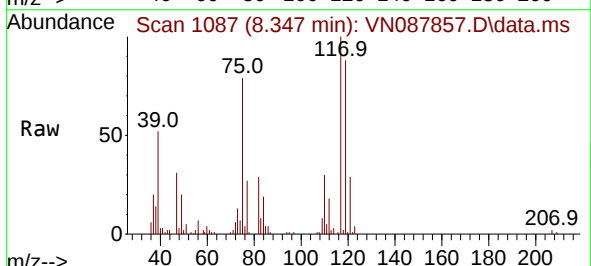
Manual Integrations
APPROVED

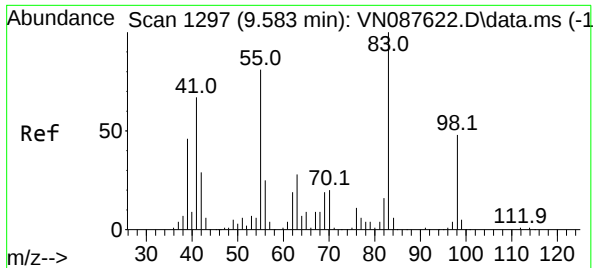
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025



#38
Carbon Tetrachloride
Concen: 21.090 ug/l
RT: 8.347 min Scan# 1087
Delta R.T. 0.006 min
Lab File: VN087857.D
Acq: 16 Sep 2025 17:54

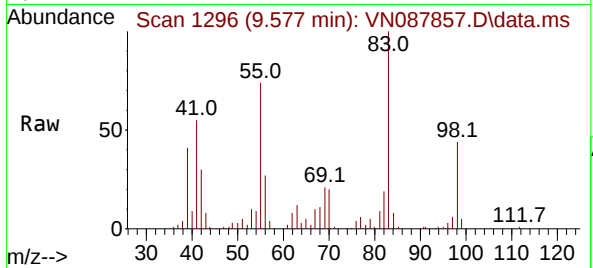
Tgt Ion:117 Resp: 102890
Ion Ratio Lower Upper
117 100
119 88.0 79.0 118.6
121 28.6 25.0 37.6





#39
Methylcyclohexane
Concen: 19.956 ug/l
RT: 9.577 min Scan# 1296
Delta R.T. -0.006 min
Lab File: VN087857.D
Acq: 16 Sep 2025 17:54

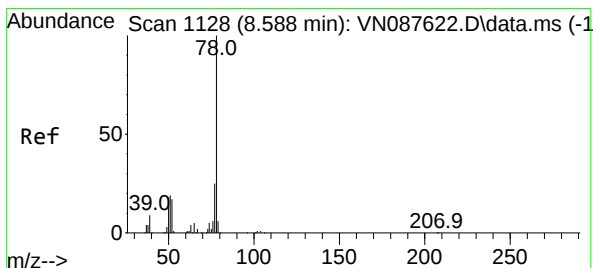
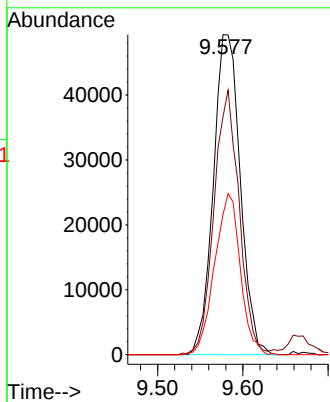
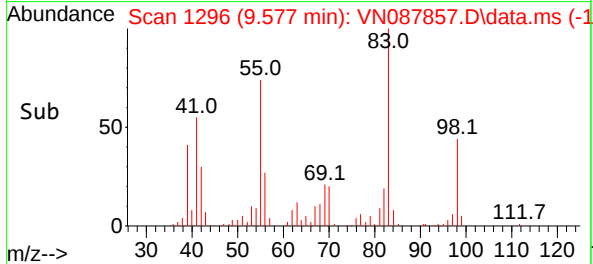
Instrument :
MSVOA_N
ClientSampleId :
VN0916MBS01



Tgt Ion: 83 Resp: 10856
Ion Ratio Lower Upper
83 100
55 74.4 64.6 96.8
98 43.8 38.4 57.6

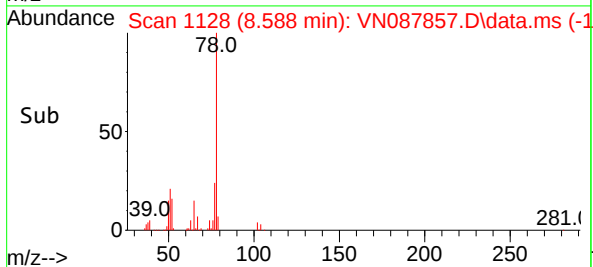
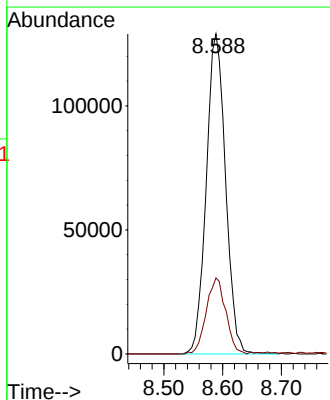
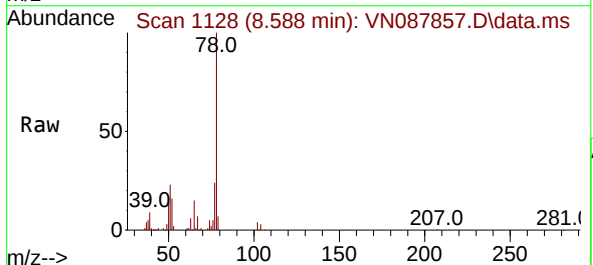
Manual Integrations
APPROVED

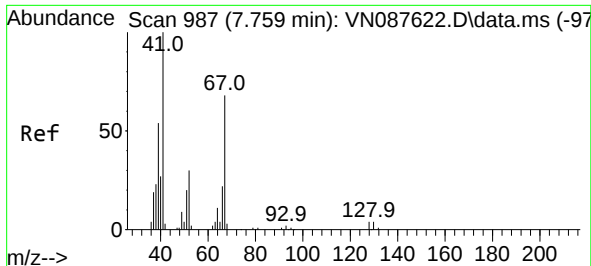
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025



#40
Benzene
Concen: 19.427 ug/l
RT: 8.588 min Scan# 1128
Delta R.T. 0.000 min
Lab File: VN087857.D
Acq: 16 Sep 2025 17:54

Tgt Ion: 78 Resp: 294424
Ion Ratio Lower Upper
78 100
77 23.8 19.7 29.5





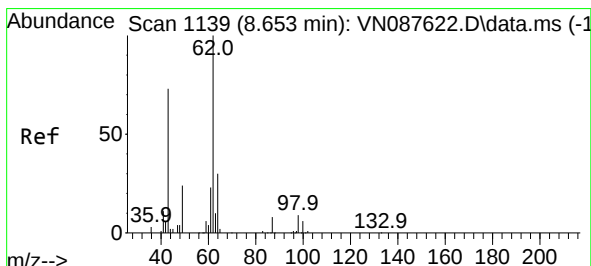
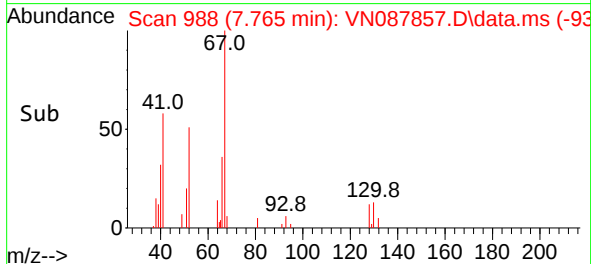
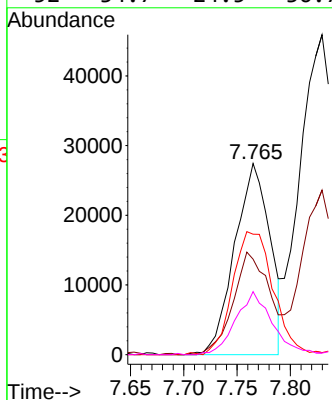
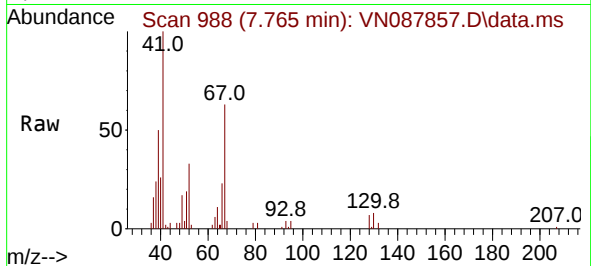
#41
Methacrylonitrile
Concen: 18.028 ug/l
RT: 7.765 min Scan# 91
Delta R.T. 0.006 min
Lab File: VN087857.D
Acq: 16 Sep 2025 17:54

Instrument :
MSVOA_N
ClientSampleId :
VN0916MBS01

Tgt Ion: 41 Resp: 63050
Ion Ratio Lower Upper
41 100
39 54.0 45.4 68.0
67 74.7 55.3 82.9
52 34.7 24.5 36.7

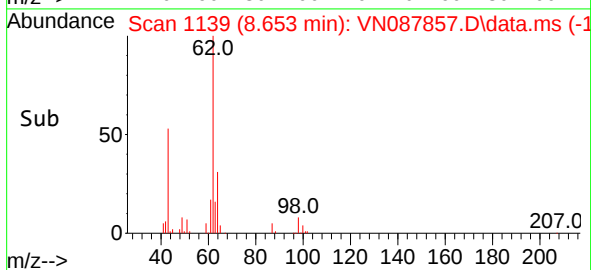
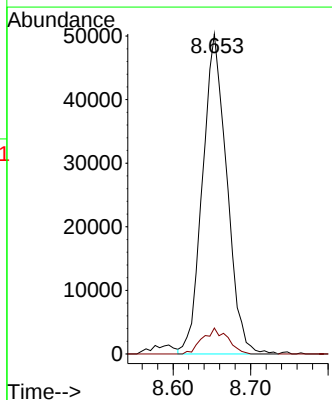
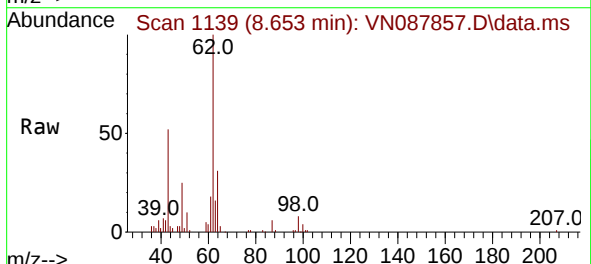
Manual Integrations
APPROVED

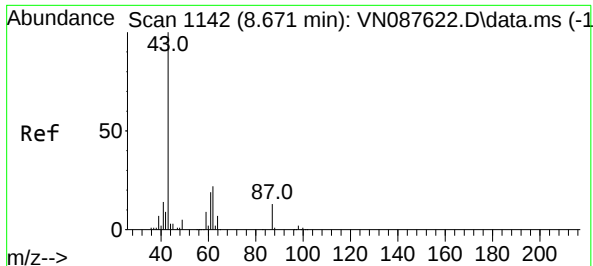
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025



#42
1,2-Dichloroethane
Concen: 18.772 ug/l
RT: 8.653 min Scan# 1139
Delta R.T. 0.000 min
Lab File: VN087857.D
Acq: 16 Sep 2025 17:54

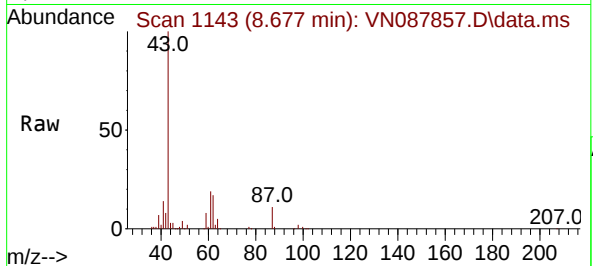
Tgt Ion: 62 Resp: 109330
Ion Ratio Lower Upper
62 100
98 8.3 0.0 17.4





#43
Isopropyl Acetate
Concen: 18.430 ug/l
RT: 8.677 min Scan# 1143
Delta R.T. 0.006 min
Lab File: VN087857.D
Acq: 16 Sep 2025 17:54

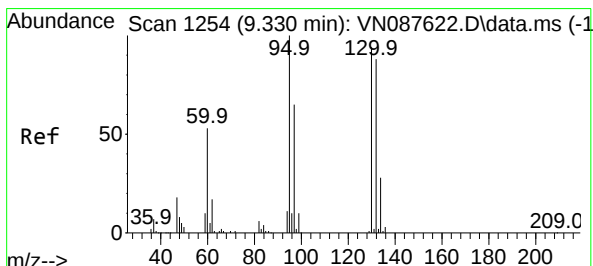
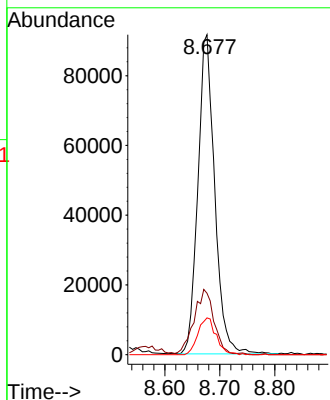
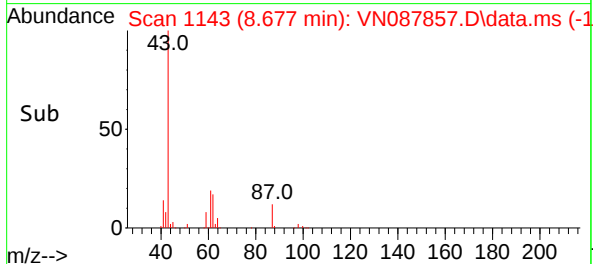
Instrument :
MSVOA_N
ClientSampleId :
VN0916MBS01



Tgt Ion: 43 Resp: 19429
Ion Ratio Lower Upper
43 100
61 23.6 18.8 28.2
87 12.5 9.6 14.4

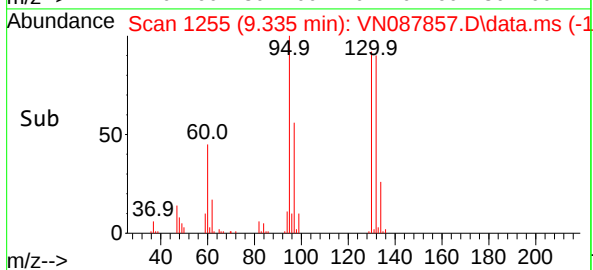
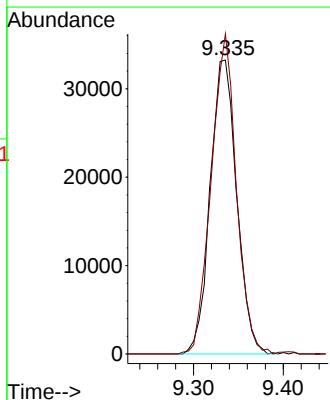
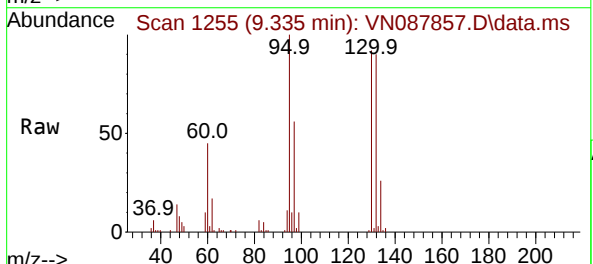
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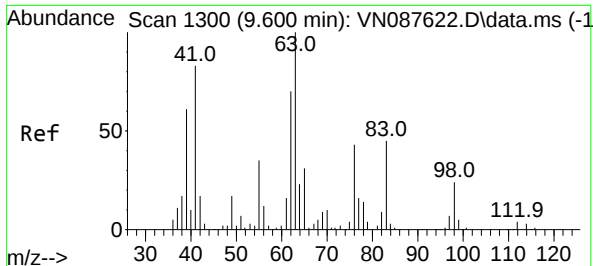
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025



#44
Trichloroethene
Concen: 19.775 ug/l
RT: 9.335 min Scan# 1255
Delta R.T. 0.006 min
Lab File: VN087857.D
Acq: 16 Sep 2025 17:54

Tgt Ion:130 Resp: 68424
Ion Ratio Lower Upper
130 100
95 108.9 0.0 212.0





#45

1,2-Dichloropropane

Concen: 18.841 ug/l

RT: 9.606 min Scan# 1300

Delta R.T. 0.006 min

Lab File: VN087857.D

Acq: 16 Sep 2025 17:54

Instrument :

MSVOA_N

ClientSampleId :

VN0916MBS01

Tgt Ion: 63 Resp: 7526

Ion Ratio Lower Upper

63 100

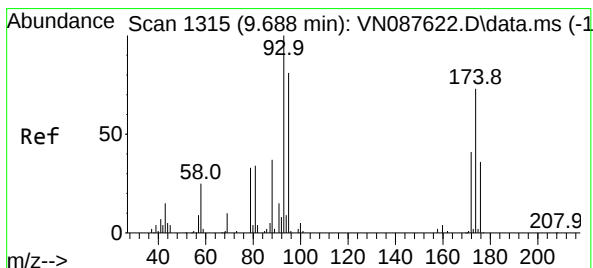
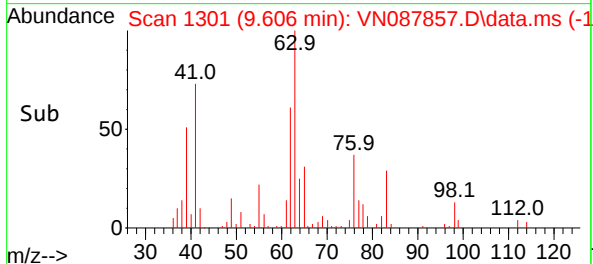
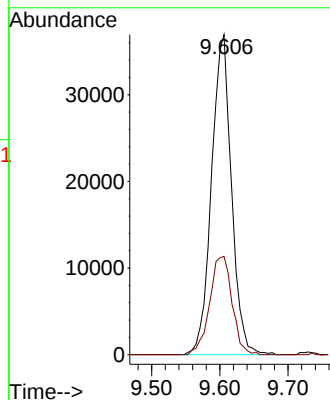
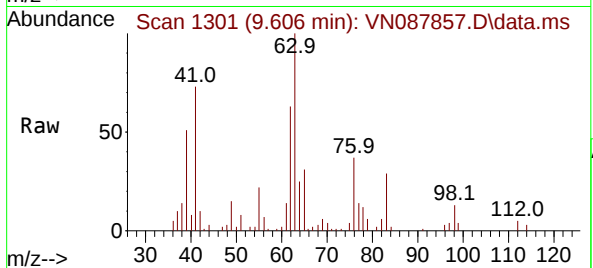
65 30.7 25.0 37.4

Manual Integrations

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Reviewed By :John Carlone 09/17/2025

Supervised By :Mahesh Dadoda 09/18/2025



#46

Dibromomethane

Concen: 19.407 ug/l

RT: 9.688 min Scan# 1315

Delta R.T. 0.000 min

Lab File: VN087857.D

Acq: 16 Sep 2025 17:54

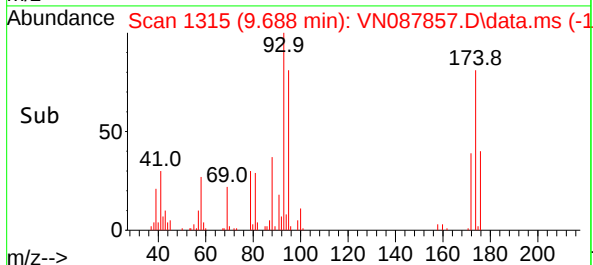
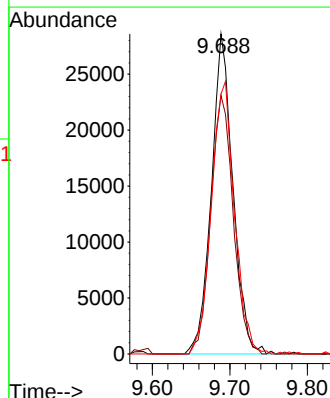
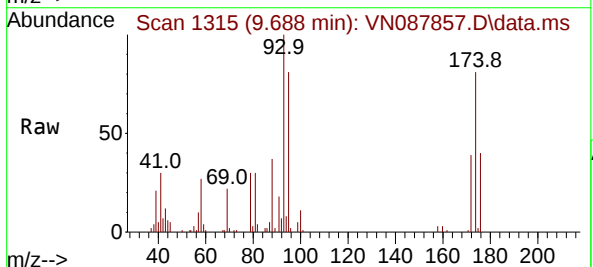
Tgt Ion: 93 Resp: 55171

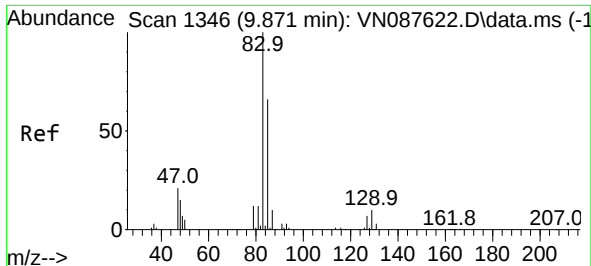
Ion Ratio Lower Upper

93 100

95 84.6 66.2 99.4

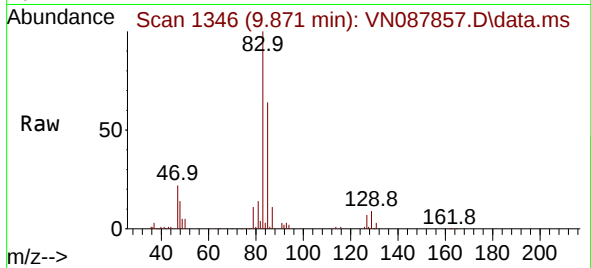
174 91.1 63.4 95.2





#47
Bromodichloromethane
Concen: 19.179 ug/l
RT: 9.871 min Scan# 1346
Delta R.T. 0.000 min
Lab File: VN087857.D
Acq: 16 Sep 2025 17:54

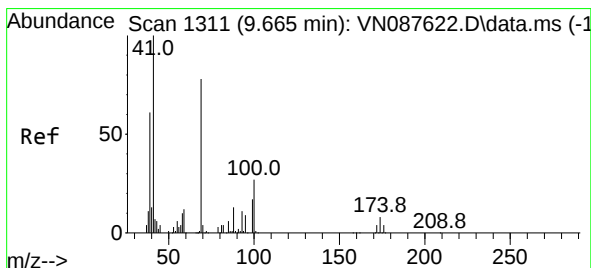
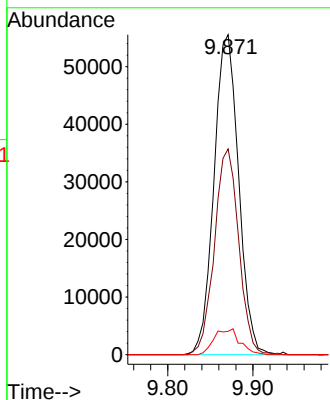
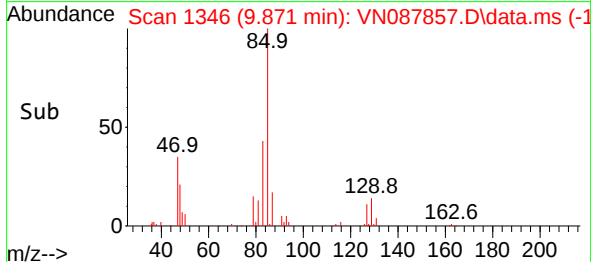
Instrument :
MSVOA_N
ClientSampleId :
VN0916MBSD01



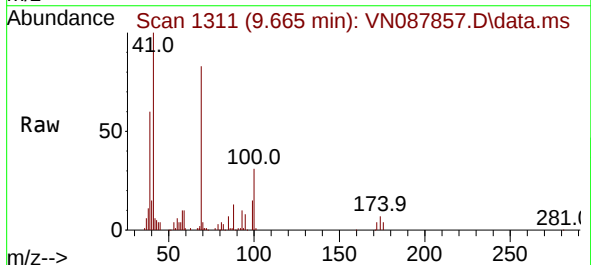
Tgt Ion: 83 Resp: 11174
Ion Ratio Lower Upper
83 100
85 64.3 52.5 78.7
127 7.3 5.8 8.6

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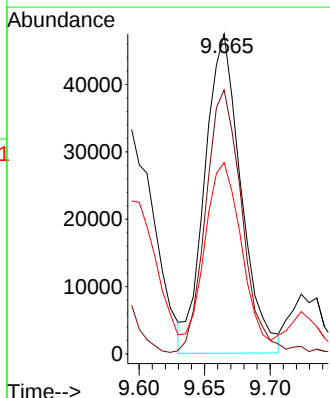
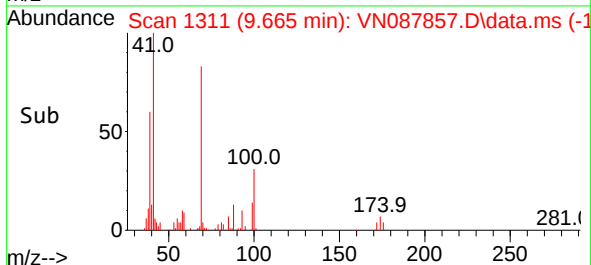
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

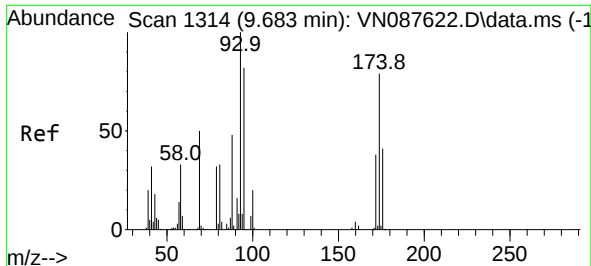


#48
Methyl methacrylate
Concen: 18.234 ug/l
RT: 9.665 min Scan# 1311
Delta R.T. 0.000 min
Lab File: VN087857.D
Acq: 16 Sep 2025 17:54



Tgt Ion: 41 Resp: 90920
Ion Ratio Lower Upper
41 100
69 84.0 62.7 94.1
39 62.0 52.9 79.3





#49

1,4-Dioxane

Concen: 419.382 ug/l

RT: 9.677 min Scan# 11

Delta R.T. -0.006 min

Lab File: VN087857.D

Acq: 16 Sep 2025 17:54

Instrument :

MSVOA_N

ClientSampleId :

VN0916MBS01

Tgt Ion: 88 Resp: 2710

Ion Ratio Lower Upper

88 100

43 29.0 0.0 0.0

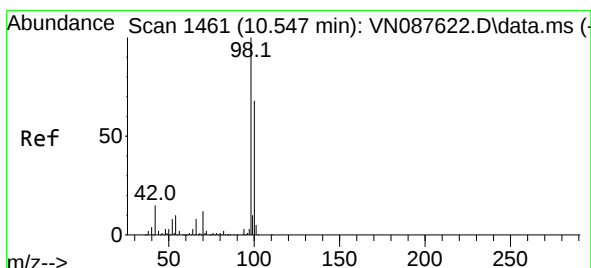
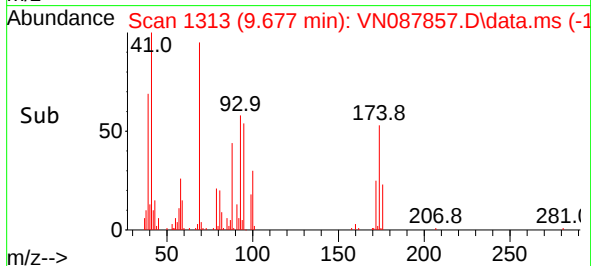
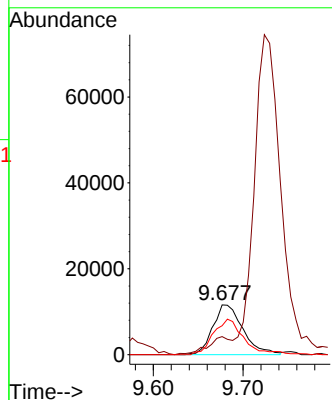
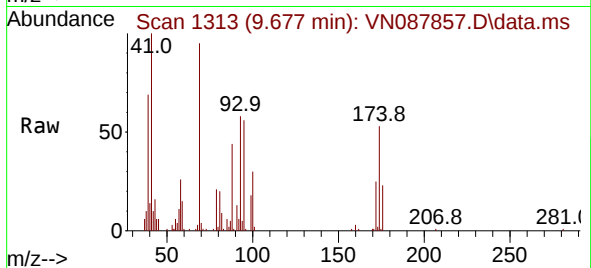
58 72.7 57.9 86.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/17/2025

Supervised By :Mahesh Dadoda 09/18/2025



#50

Toluene-d8

Concen: 45.971 ug/l

RT: 10.547 min Scan# 1461

Delta R.T. 0.000 min

Lab File: VN087857.D

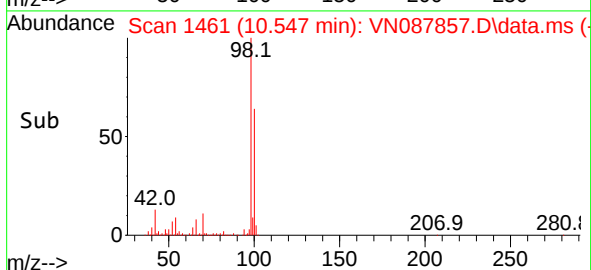
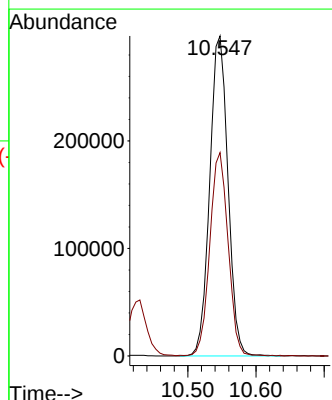
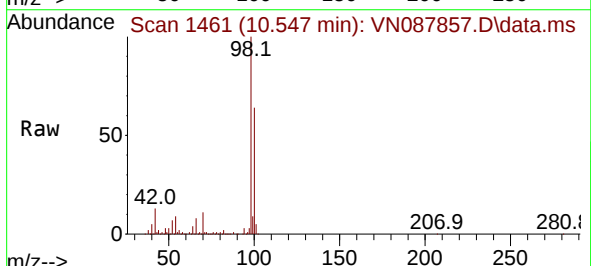
Acq: 16 Sep 2025 17:54

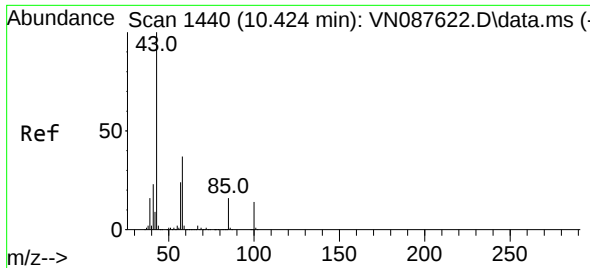
Tgt Ion: 98 Resp: 554196

Ion Ratio Lower Upper

98 100

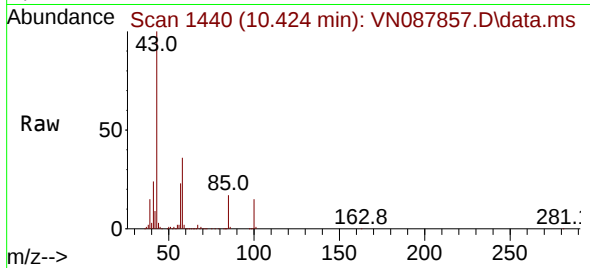
100 63.6 52.8 79.2





#51
4-Methyl-2-Pentanone
Concen: 96.528 ug/l
RT: 10.424 min Scan# 1440
Delta R.T. 0.000 min
Lab File: VN087857.D
Acq: 16 Sep 2025 17:54

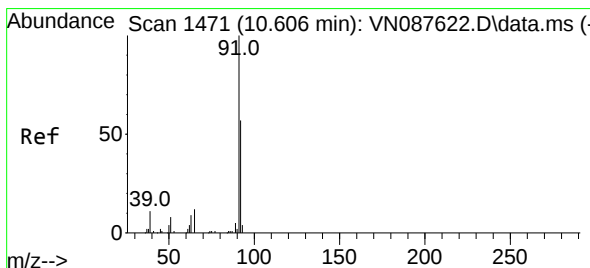
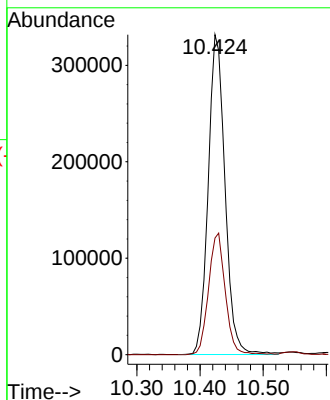
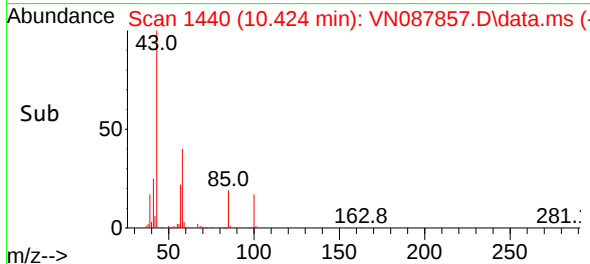
Instrument :
MSVOA_N
ClientSampleId :
VN0916MBS01



Tgt Ion: 43 Resp: 613958
Ion Ratio Lower Upper
43 100
58 37.9 29.6 44.4

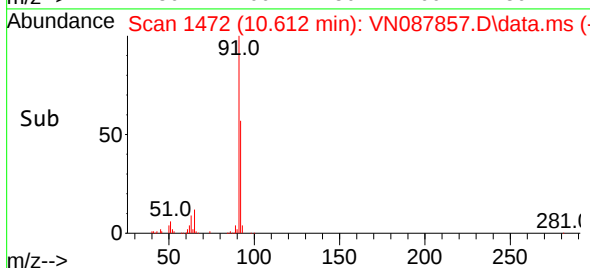
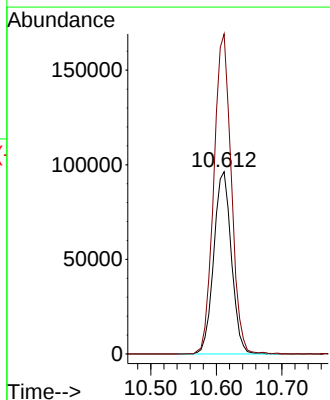
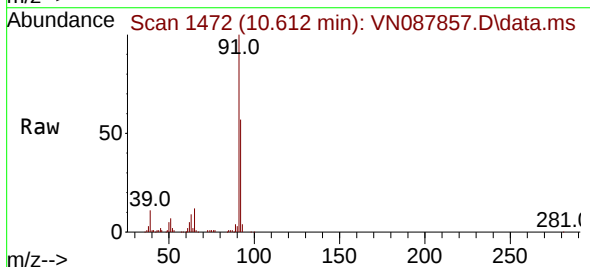
Manual Integrations
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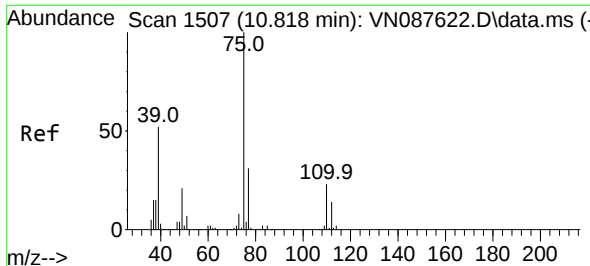
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025



#52
Toluene
Concen: 19.049 ug/l
RT: 10.612 min Scan# 1472
Delta R.T. 0.006 min
Lab File: VN087857.D
Acq: 16 Sep 2025 17:54

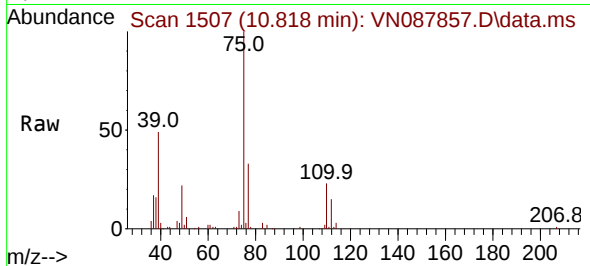
Tgt Ion: 92 Resp: 178980
Ion Ratio Lower Upper
92 100
91 174.2 140.4 210.6





#53
t-1,3-Dichloropropene
Concen: 18.629 ug/l
RT: 10.818 min Scan# 1507
Delta R.T. 0.000 min
Lab File: VN087857.D
Acq: 16 Sep 2025 17:54

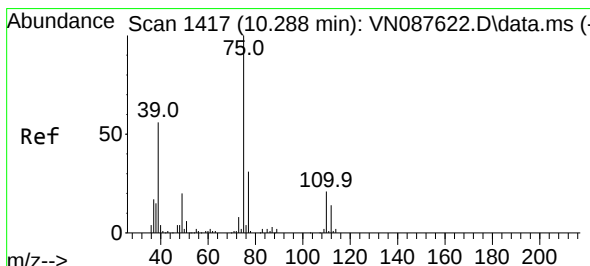
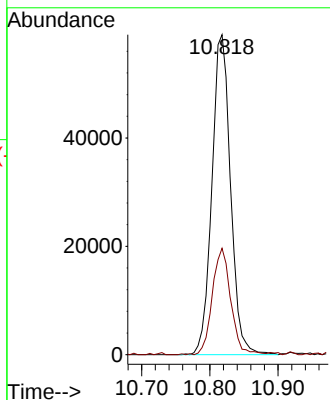
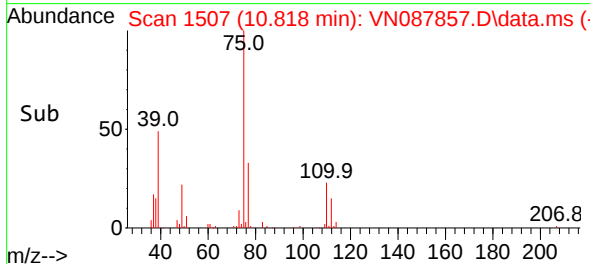
Instrument :
MSVOA_N
ClientSampleId :
VN0916MBSD01



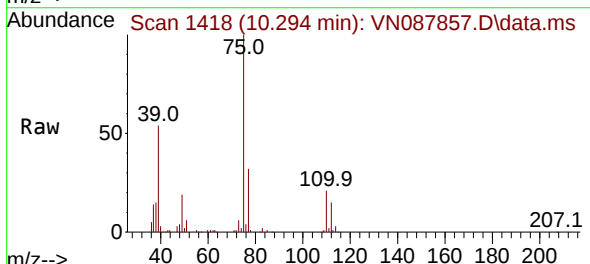
Tgt Ion: 75 Resp: 112345
Ion Ratio Lower Upper
75 100
77 33.2 25.2 37.8

Manual Integrations
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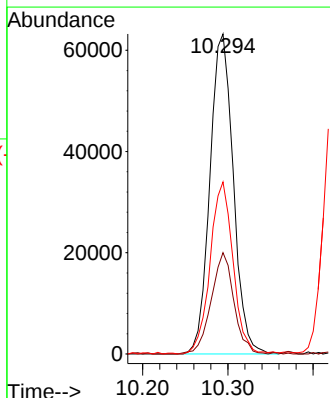
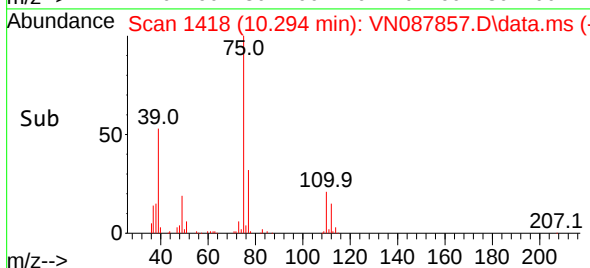
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

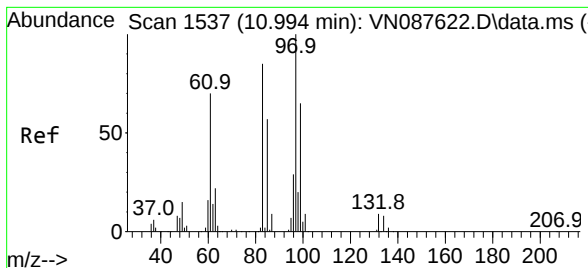


#54
cis-1,3-Dichloropropene
Concen: 19.254 ug/l
RT: 10.294 min Scan# 1418
Delta R.T. 0.006 min
Lab File: VN087857.D
Acq: 16 Sep 2025 17:54



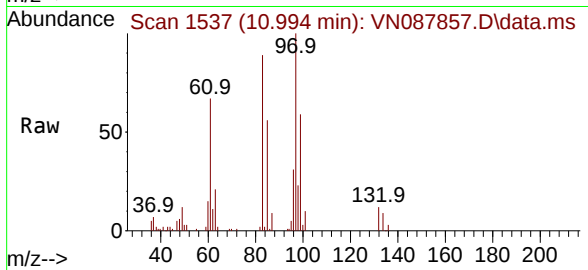
Tgt Ion: 75 Resp: 120564
Ion Ratio Lower Upper
75 100
77 31.7 24.6 37.0
39 53.7 45.2 67.8





#55
1,1,2-Trichloroethane
Concen: 20.045 ug/l
RT: 10.994 min Scan# 1537
Delta R.T. 0.000 min
Lab File: VN087857.D
Acq: 16 Sep 2025 17:54

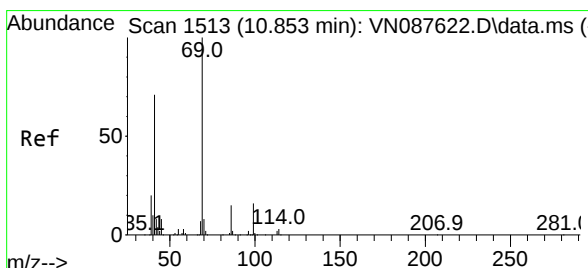
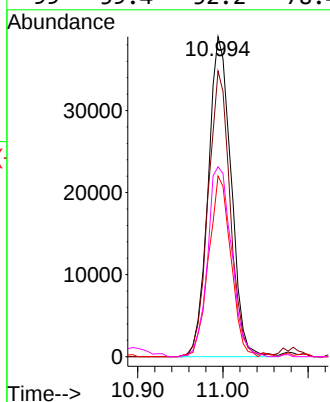
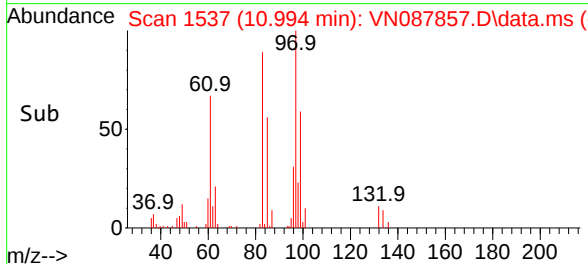
Instrument :
MSVOA_N
ClientSampleId :
VN0916MBS01



Tgt Ion: 97 Resp: 72850
Ion Ratio Lower Upper
97 100
83 89.2 68.2 102.4
85 56.4 45.5 68.3
99 59.4 52.2 78.4

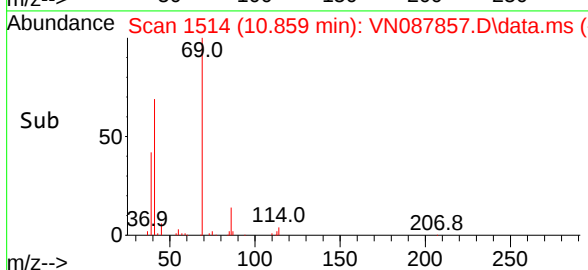
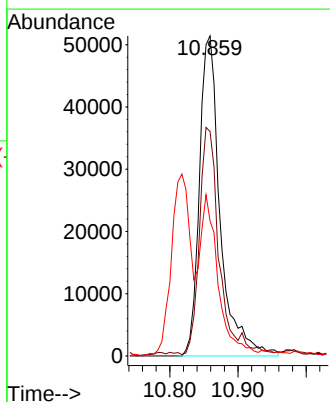
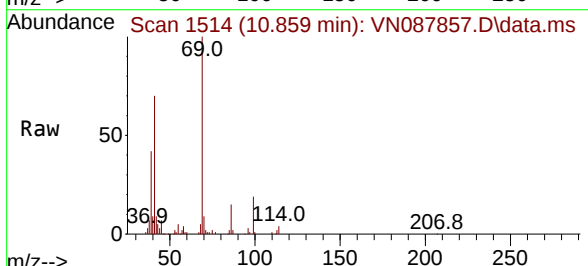
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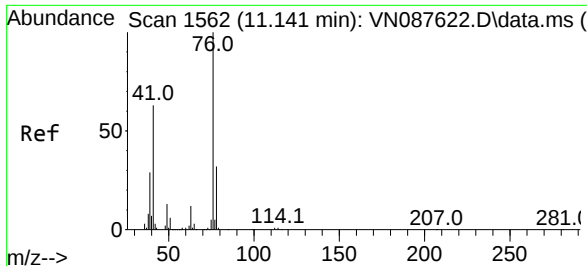
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025



#56
Ethyl methacrylate
Concen: 18.775 ug/l
RT: 10.859 min Scan# 1514
Delta R.T. 0.006 min
Lab File: VN087857.D
Acq: 16 Sep 2025 17:54

Tgt Ion: 69 Resp: 109061
Ion Ratio Lower Upper
69 100
41 67.3 56.5 84.7
39 42.9 34.2 51.4





#57

1,3-Dichloropropane

Concen: 19.716 ug/l

RT: 11.141 min Scan# 1562

Delta R.T. 0.000 min

Lab File: VN087857.D

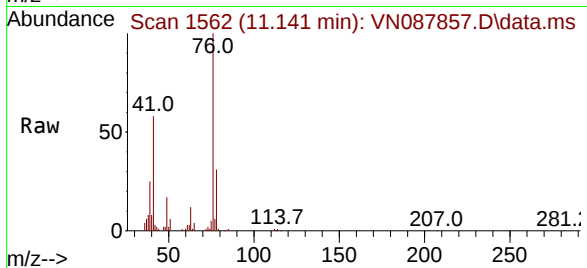
Acq: 16 Sep 2025 17:54

Instrument :

MSVOA_N

ClientSampleId :

VN0916MBS01



Tgt Ion: 76 Resp: 12682

Ion Ratio Lower Upper

76 100

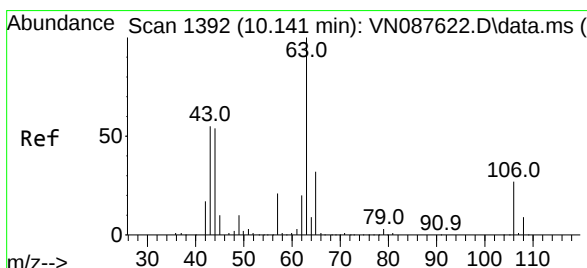
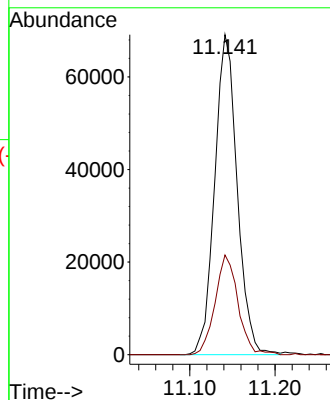
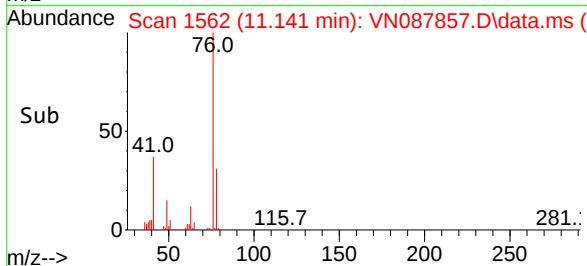
78 31.7 26.2 39.4

Manual Integrations

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Reviewed By :John Carlone 09/17/2025

Supervised By :Mahesh Dadoda 09/18/2025



#58

2-Chloroethyl Vinyl ether

Concen: 92.716 ug/l

RT: 10.141 min Scan# 1392

Delta R.T. 0.000 min

Lab File: VN087857.D

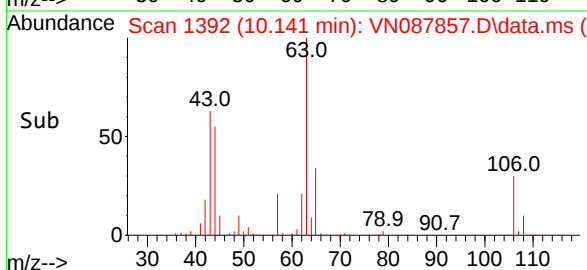
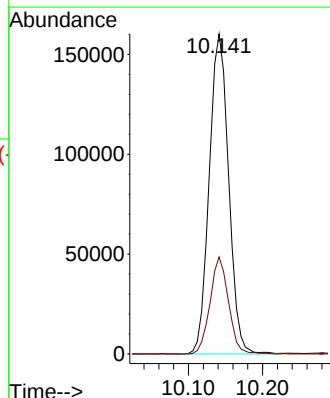
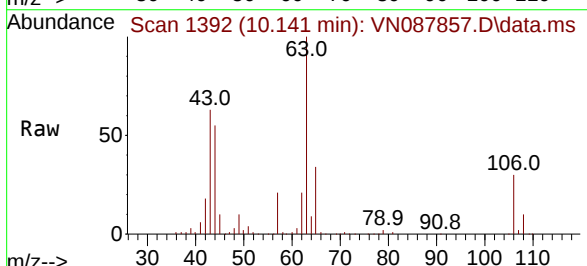
Acq: 16 Sep 2025 17:54

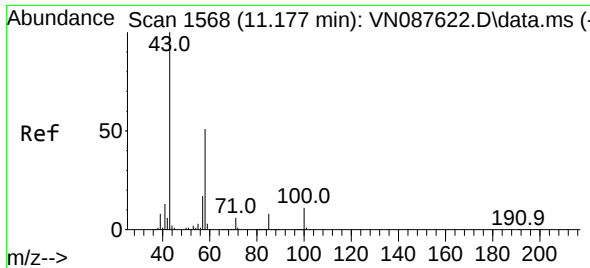
Tgt Ion: 63 Resp: 291495

Ion Ratio Lower Upper

63 100

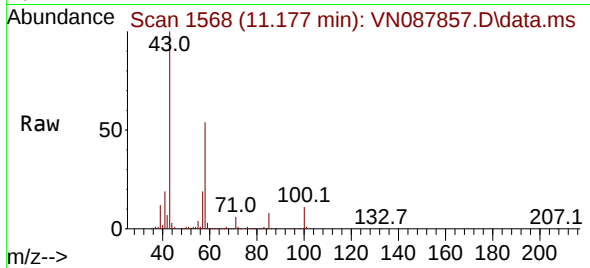
106 28.7 21.1 31.7





#59
2-Hexanone
Concen: 95.568 ug/l
RT: 11.177 min Scan# 1568
Delta R.T. 0.000 min
Lab File: VN087857.D
Acq: 16 Sep 2025 17:54

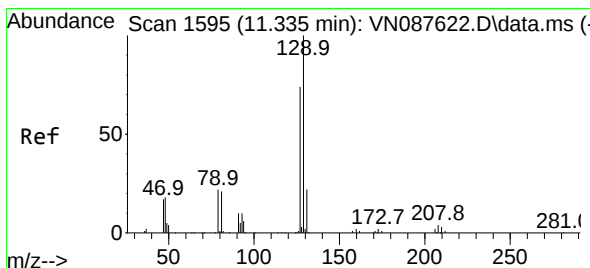
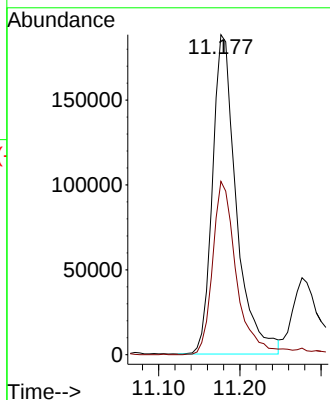
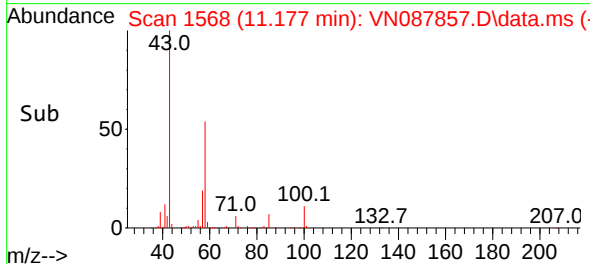
Instrument :
MSVOA_N
ClientSampleId :
VN0916MBS01



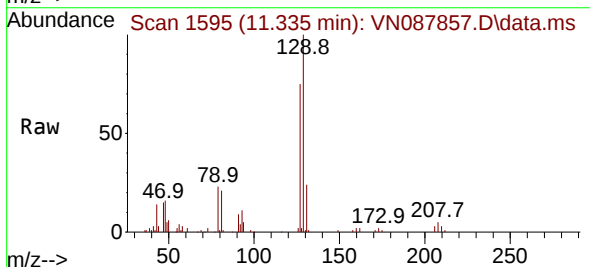
Tgt Ion: 43 Resp: 38416
Ion Ratio Lower Upper
43 100
58 54.5 25.9 77.8

Manual Integrations
APPROVED

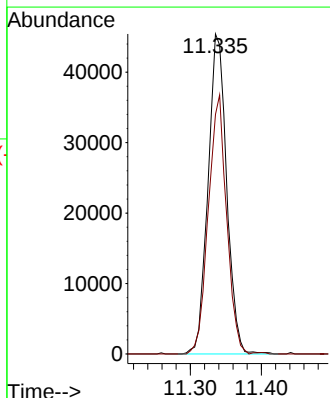
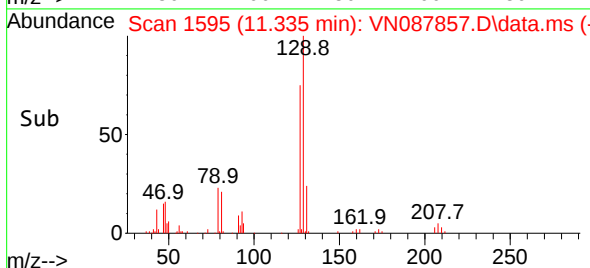
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

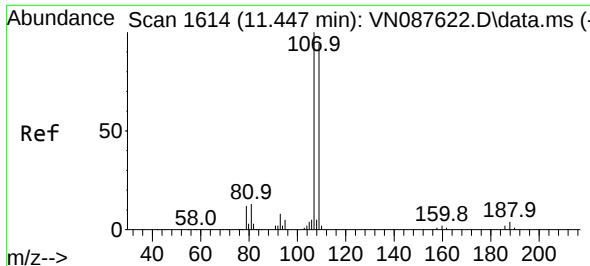


#60
Dibromochloromethane
Concen: 19.640 ug/l
RT: 11.335 min Scan# 1595
Delta R.T. 0.000 min
Lab File: VN087857.D
Acq: 16 Sep 2025 17:54



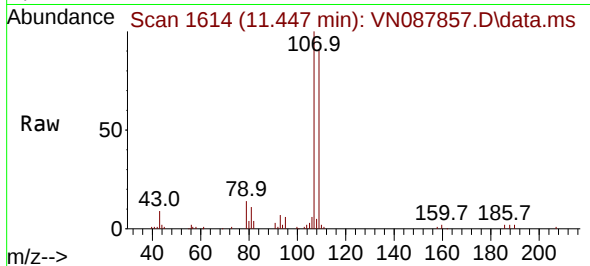
Tgt Ion:129 Resp: 82713
Ion Ratio Lower Upper
129 100
127 79.3 39.1 117.3





#61
1,2-Dibromoethane
Concen: 20.247 ug/l
RT: 11.447 min Scan# 1614
Delta R.T. 0.000 min
Lab File: VN087857.D
Acq: 16 Sep 2025 17:54

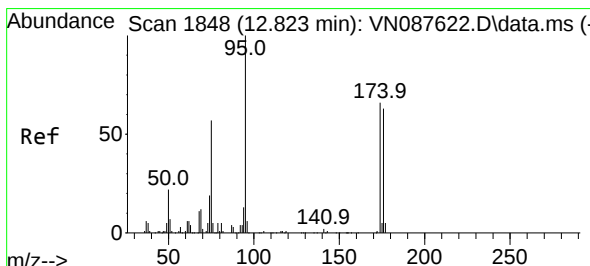
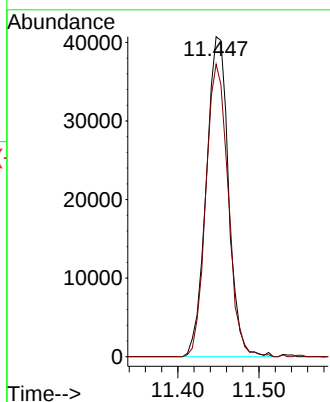
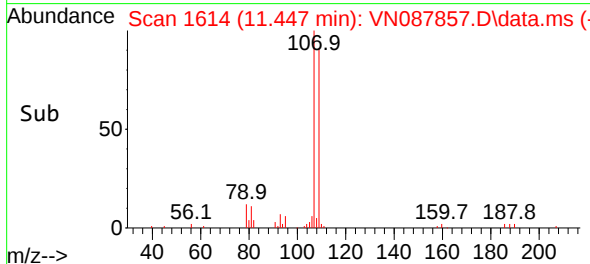
Instrument :
MSVOA_N
ClientSampleId :
VN0916MBSD01



Tgt Ion:107 Resp: 77599
Ion Ratio Lower Upper
107 100
109 91.4 74.7 112.1

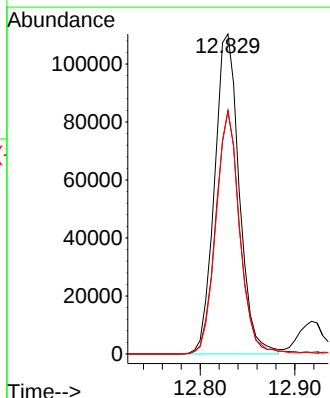
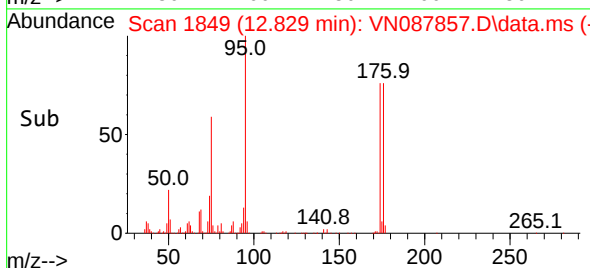
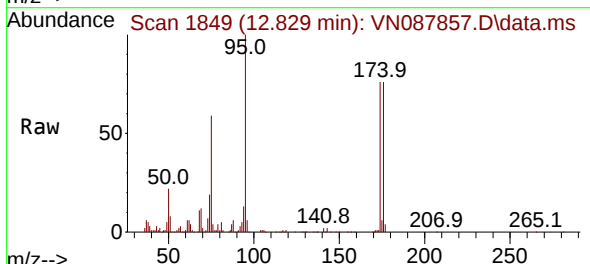
Manual Integrations
APPROVED

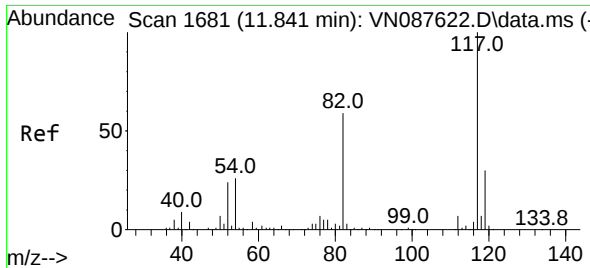
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025



#62
4-Bromofluorobenzene
Concen: 46.678 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. 0.006 min
Lab File: VN087857.D
Acq: 16 Sep 2025 17:54

Tgt Ion: 95 Resp: 200120
Ion Ratio Lower Upper
95 100
174 73.7 0.0 138.4
176 73.0 0.0 132.6





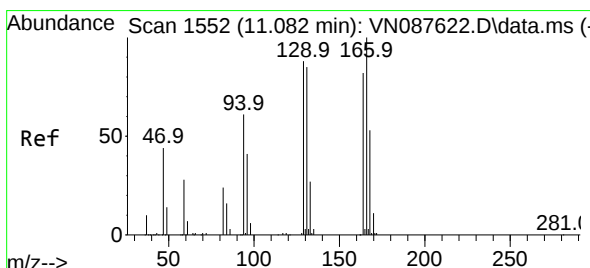
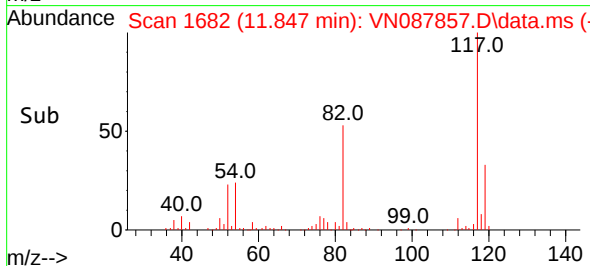
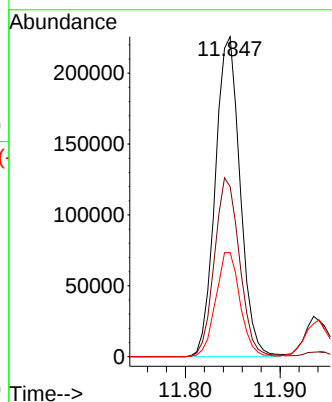
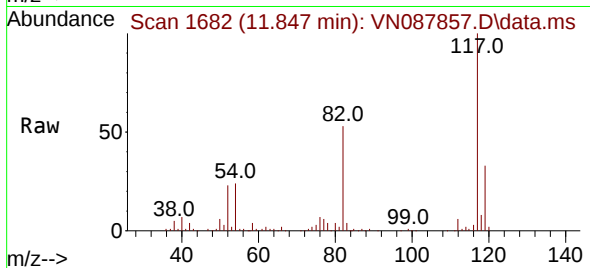
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.847 min Scan# 1184
Delta R.T. 0.006 min
Lab File: VN087857.D
Acq: 16 Sep 2025 17:54

Instrument :
MSVOA_N
ClientSampleId :
VN0916MBS01

Tgt Ion:117 Resp: 411735
Ion Ratio Lower Upper
117 100
82 53.1 47.4 71.2
119 32.5 24.3 36.5

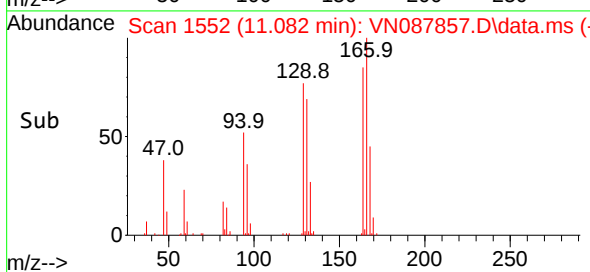
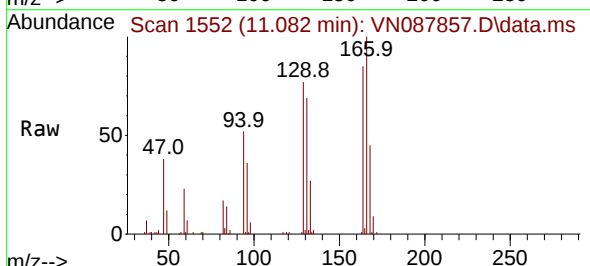
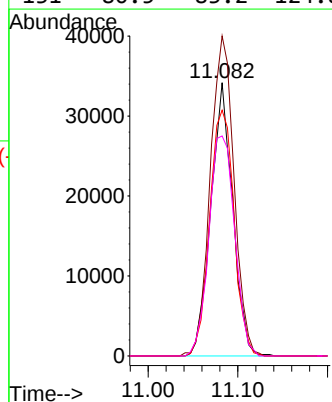
Manual Integrations
APPROVED

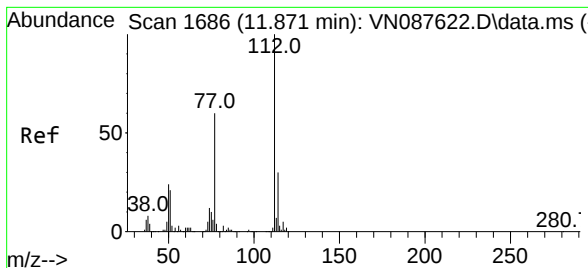
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025



#64
Tetrachloroethene
Concen: 20.215 ug/l
RT: 11.082 min Scan# 1552
Delta R.T. 0.000 min
Lab File: VN087857.D
Acq: 16 Sep 2025 17:54

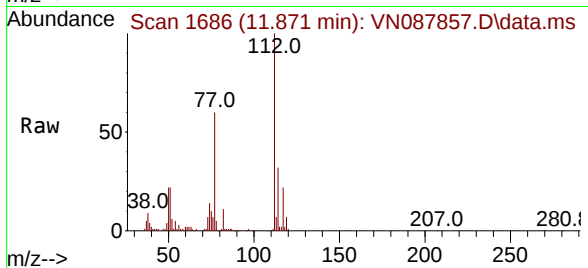
Tgt Ion:164 Resp: 57747
Ion Ratio Lower Upper
164 100
166 117.1 97.7 146.5
129 89.9 85.9 128.9
131 80.5 83.2 124.8#





#65
Chlorobenzene
Concen: 19.192 ug/l
RT: 11.871 min Scan# 1686
Delta R.T. 0.000 min
Lab File: VN087857.D
Acq: 16 Sep 2025 17:54

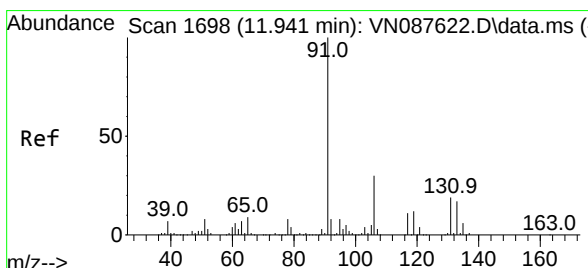
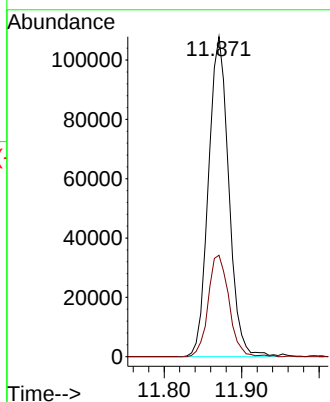
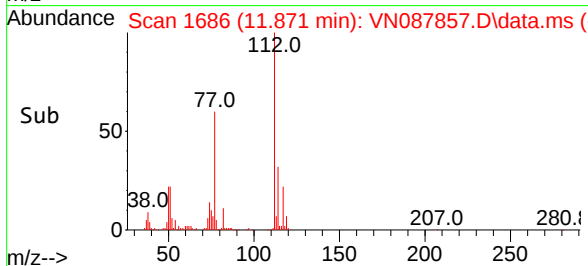
Instrument :
MSVOA_N
ClientSampleId :
VN0916MBS01



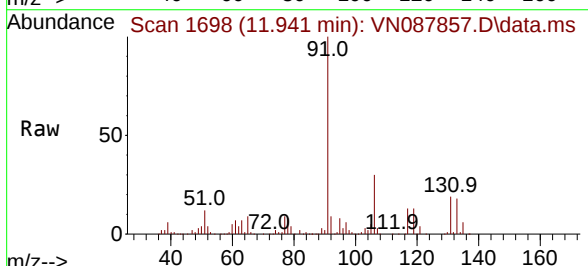
Tgt Ion:112 Resp: 19658
Ion Ratio Lower Upper
112 100
114 31.7 24.3 36.5

Manual Integrations
APPROVED

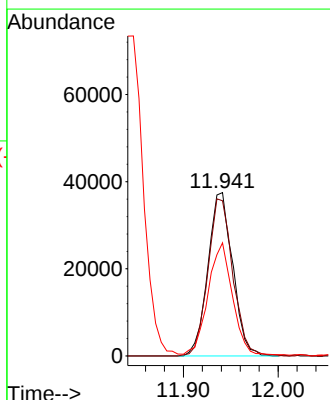
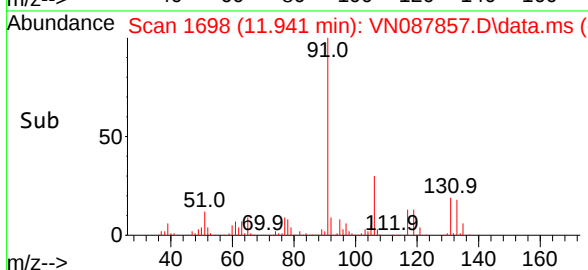
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

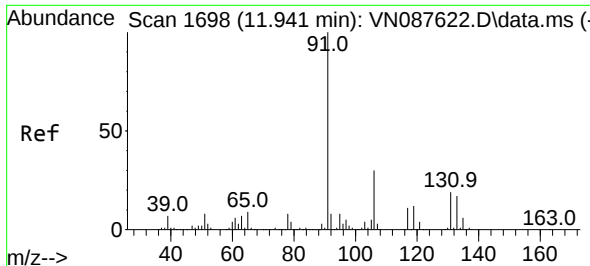


#66
1,1,1,2-Tetrachloroethane
Concen: 20.007 ug/l
RT: 11.941 min Scan# 1698
Delta R.T. 0.000 min
Lab File: VN087857.D
Acq: 16 Sep 2025 17:54



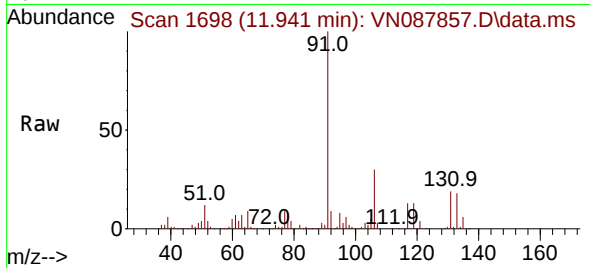
Tgt Ion:131 Resp: 68036
Ion Ratio Lower Upper
131 100
133 97.1 48.0 144.0
119 67.9 32.6 97.7





#67
Ethyl Benzene
Concen: 19.931 ug/l
RT: 11.941 min Scan# 1698
Delta R.T. 0.000 min
Lab File: VN087857.D
Acq: 16 Sep 2025 17:54

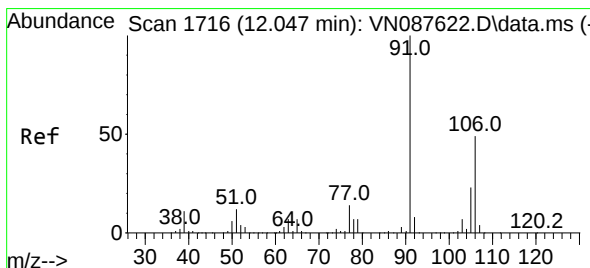
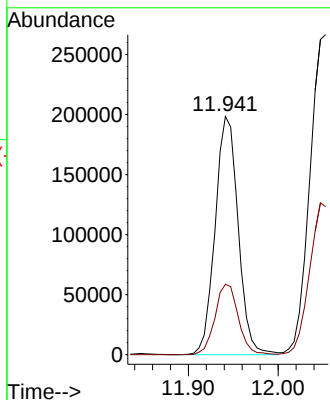
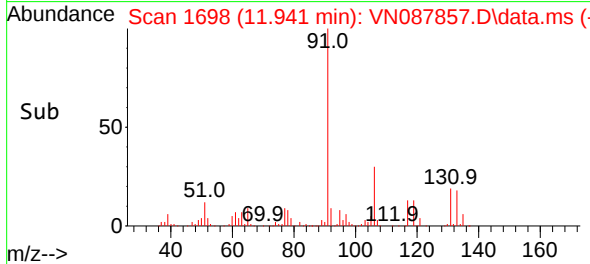
Instrument :
MSVOA_N
ClientSampleId :
VN0916MBS01



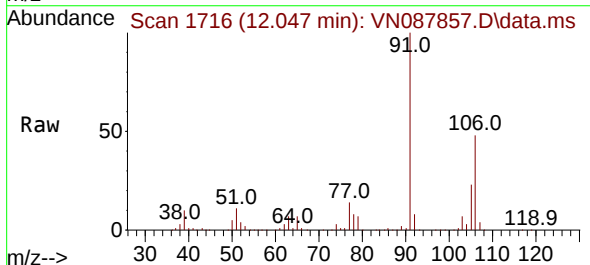
Tgt Ion: 91 Resp: 35348
Ion Ratio Lower Upper
91 100
106 29.5 24.1 36.1

Manual Integrations
APPROVED

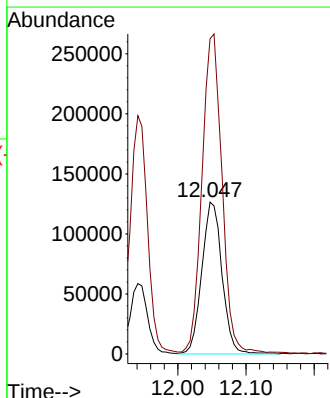
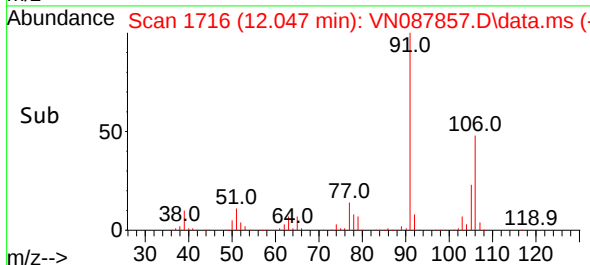
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

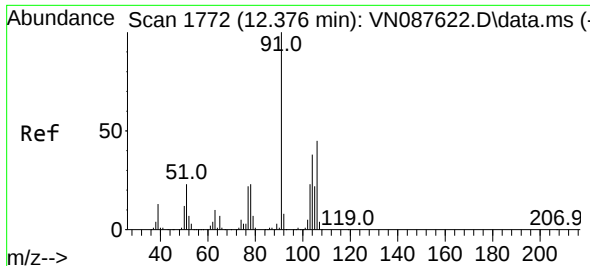


#68
m/p-Xylenes
Concen: 40.200 ug/l
RT: 12.047 min Scan# 1716
Delta R.T. 0.000 min
Lab File: VN087857.D
Acq: 16 Sep 2025 17:54



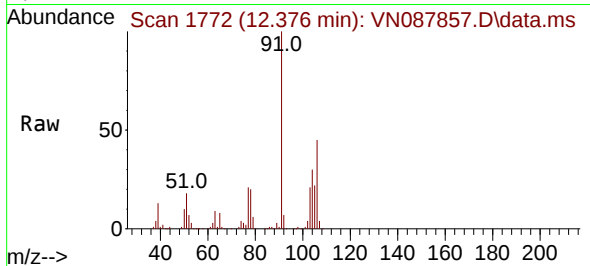
Tgt Ion:106 Resp: 261476
Ion Ratio Lower Upper
106 100
91 208.6 169.3 253.9





#69
o-Xylene
Concen: 19.241 ug/l
RT: 12.376 min Scan# 1772
Delta R.T. 0.000 min
Lab File: VN087857.D
Acq: 16 Sep 2025 17:54

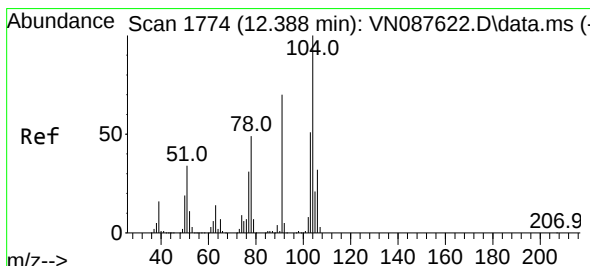
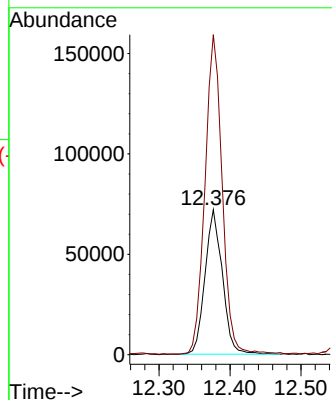
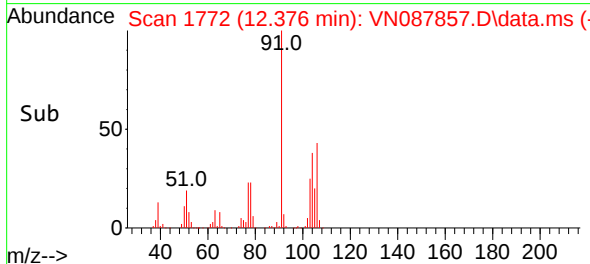
Instrument :
MSVOA_N
ClientSampleId :
VN0916MBS01



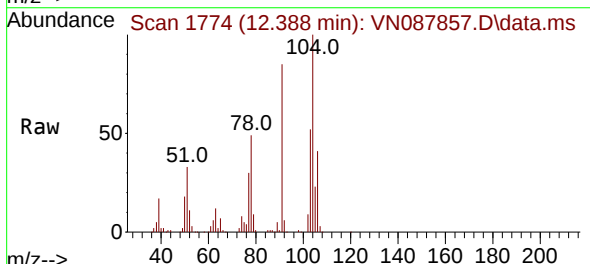
Tgt Ion:106 Resp: 122640
Ion Ratio Lower Upper
106 100
91 219.8 111.4 334.2

Manual Integrations
APPROVED

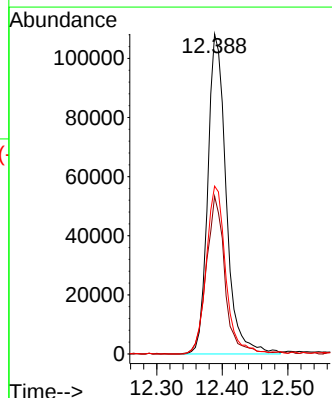
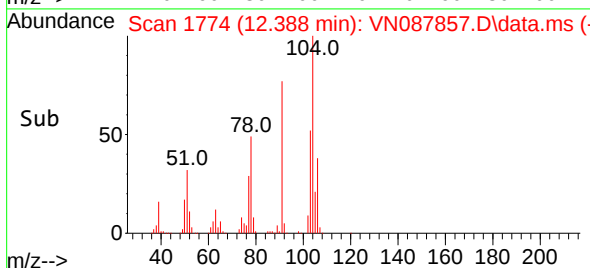
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

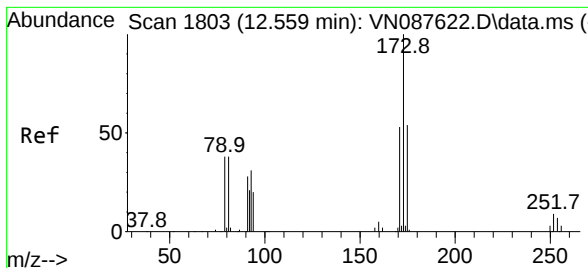


#70
Styrene
Concen: 19.797 ug/l
RT: 12.388 min Scan# 1774
Delta R.T. 0.000 min
Lab File: VN087857.D
Acq: 16 Sep 2025 17:54



Tgt Ion:104 Resp: 211413
Ion Ratio Lower Upper
104 100
78 49.7 42.2 63.2
103 55.5 43.4 65.2





#71

Bromoform

Concen: 21.240 ug/l

RT: 12.559 min Scan# 1803

Delta R.T. 0.000 min

Lab File: VN087857.D

Acq: 16 Sep 2025 17:54

Instrument :

MSVOA_N

ClientSampleId :

VN0916MBS01

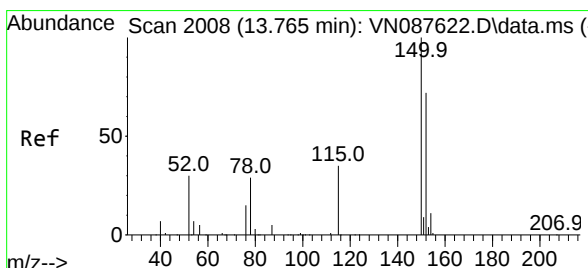
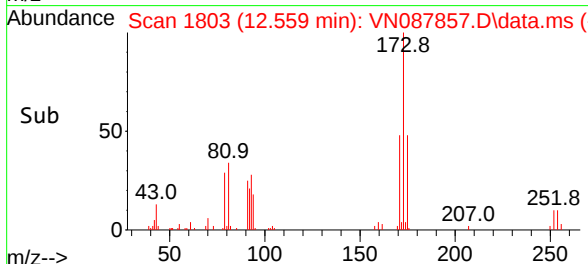
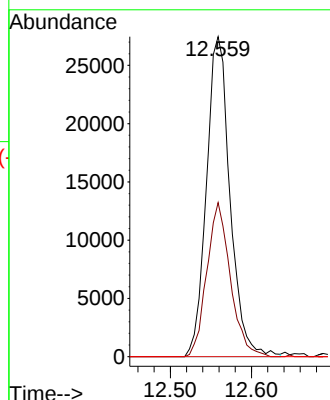
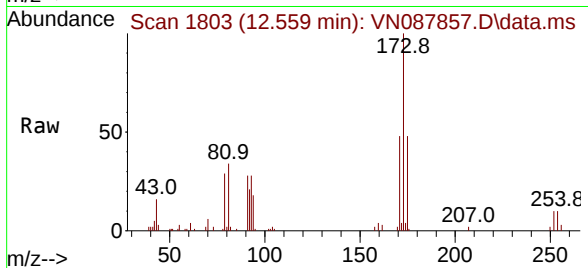
Tgt Ion:	173	Resp:	5539
Ion Ratio	Lower	Upper	
173	100		
175	48.1	24.9	74.6
254	0.0	0.1	0.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/17/2025

Supervised By :Mahesh Dadoda 09/18/2025



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

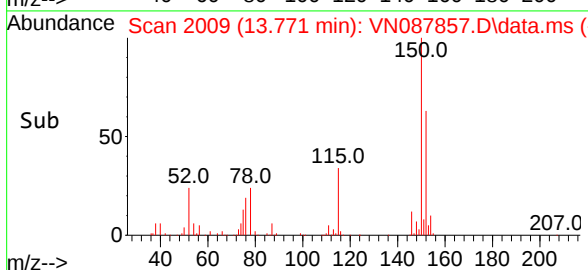
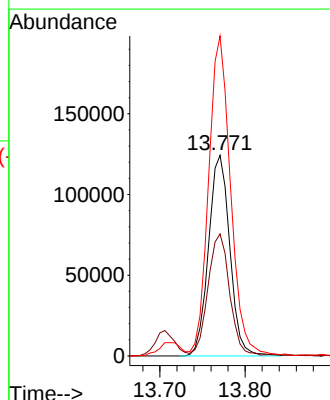
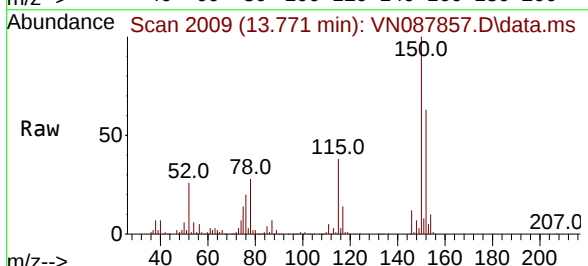
RT: 13.771 min Scan# 2009

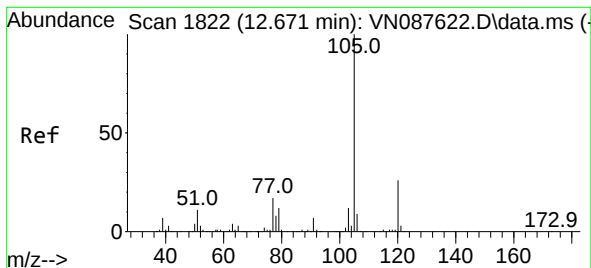
Delta R.T. 0.006 min

Lab File: VN087857.D

Acq: 16 Sep 2025 17:54

Tgt Ion:	152	Resp:	215678
Ion Ratio	Lower	Upper	
152	100		
115	60.2	32.3	96.8
150	164.0	0.0	351.0





#73

Isopropylbenzene

Concen: 18.625 ug/l

RT: 12.676 min Scan# 1810

Delta R.T. 0.006 min

Lab File: VN087857.D

Acq: 16 Sep 2025 17:54

Instrument :

MSVOA_N

ClientSampleId :

VN0916MBS01

Tgt Ion:105 Resp: 324600

Ion Ratio Lower Upper

105 100

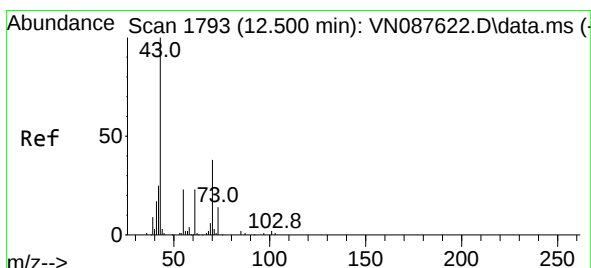
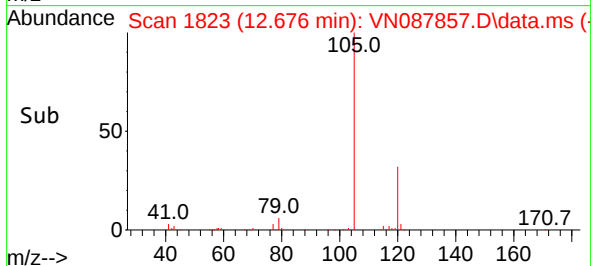
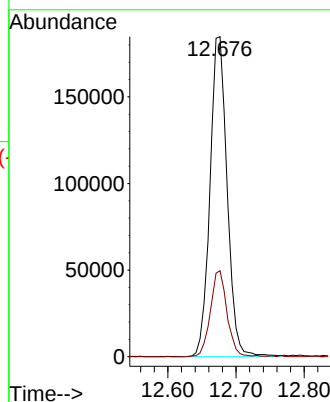
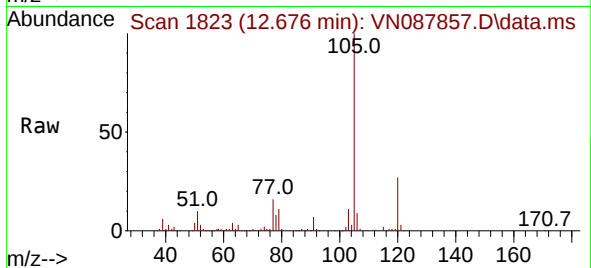
120 26.1 12.8 38.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/17/2025

Supervised By :Mahesh Dadoda 09/18/2025



#74

N-ethyl acetate

Concen: 19.102 ug/l m

RT: 12.600 min Scan# 1810

Delta R.T. 0.100 min

Lab File: VN087857.D

Acq: 16 Sep 2025 17:54

Tgt Ion: 43 Resp: 126162

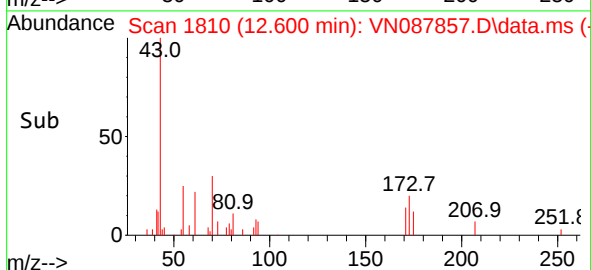
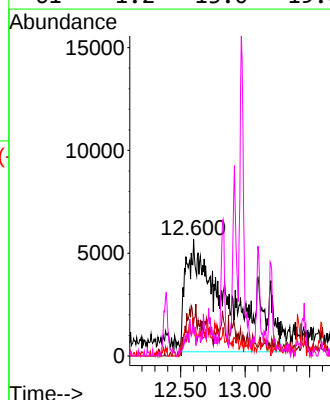
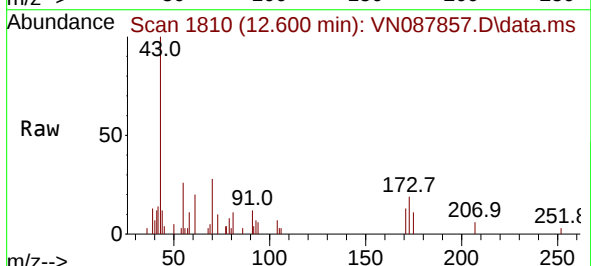
Ion Ratio Lower Upper

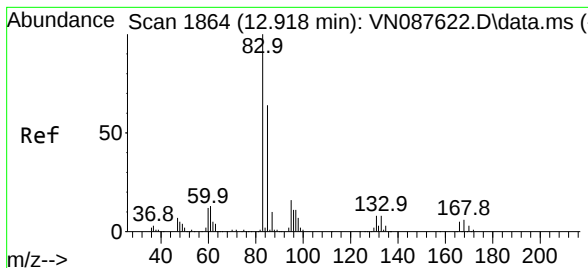
43 100

70 0.0 27.6 41.4#

55 0.7 13.0 19.6#

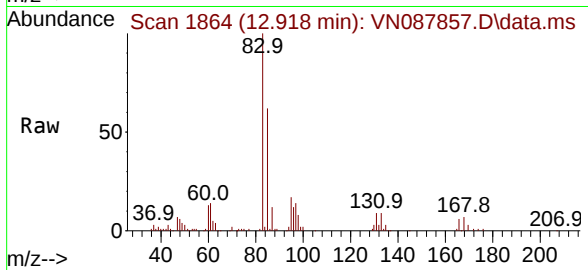
61 1.2 13.0 19.6#





#75
1,1,2,2-Tetrachloroethane
Concen: 19.852 ug/l
RT: 12.918 min Scan# 1864
Delta R.T. 0.000 min
Lab File: VN087857.D
Acq: 16 Sep 2025 17:54

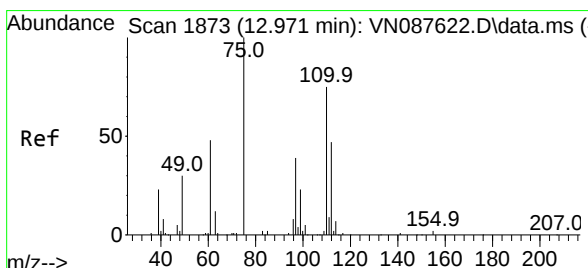
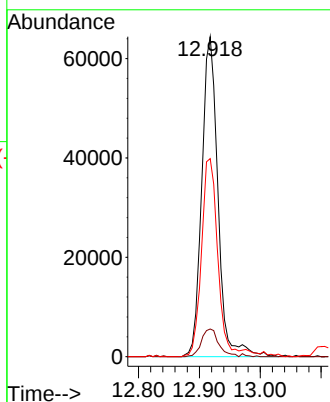
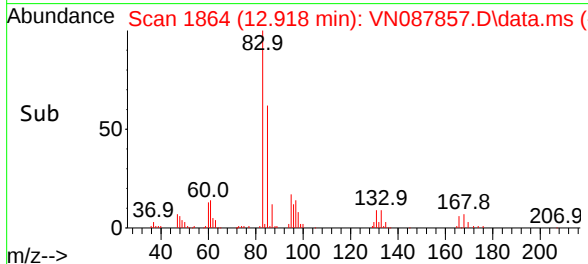
Instrument :
MSVOA_N
ClientSampleId :
VN0916MBSD01



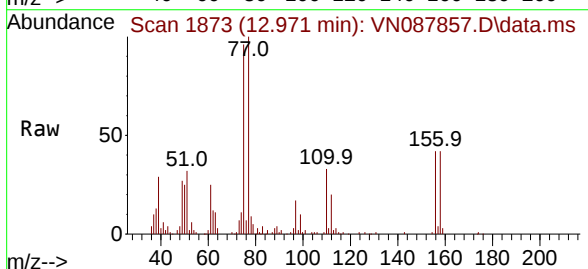
Tgt Ion: 83 Resp: 11911
Ion Ratio Lower Upper
83 100
131 9.3 4.8 14.4
85 61.6 32.1 96.3

Manual Integrations
APPROVED

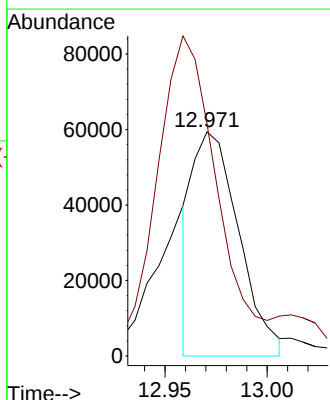
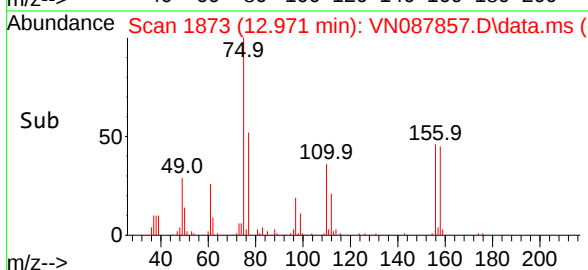
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

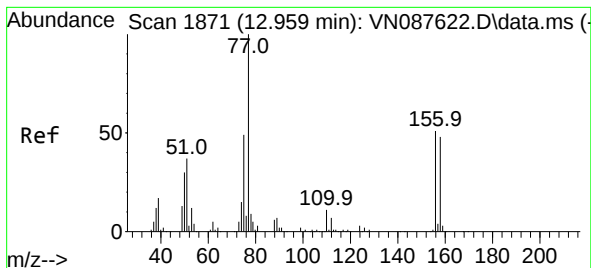


#76
1,2,3-Trichloropropane
Concen: 18.421 ug/l m
RT: 12.971 min Scan# 1873
Delta R.T. 0.000 min
Lab File: VN087857.D
Acq: 16 Sep 2025 17:54



Tgt Ion: 75 Resp: 93171
Ion Ratio Lower Upper
75 100
77 189.4 89.1 267.4





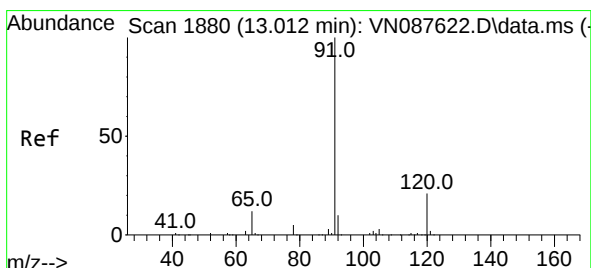
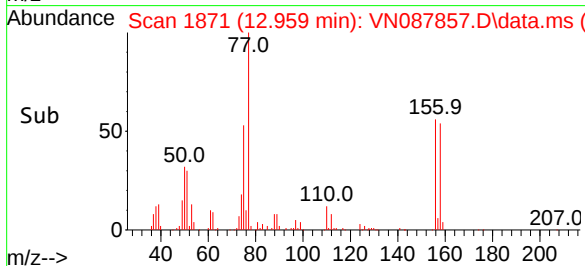
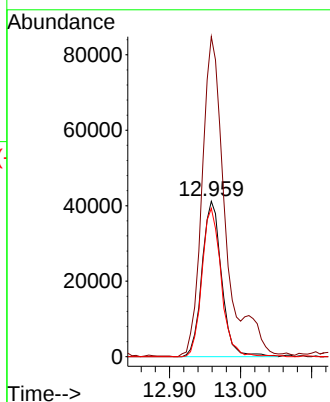
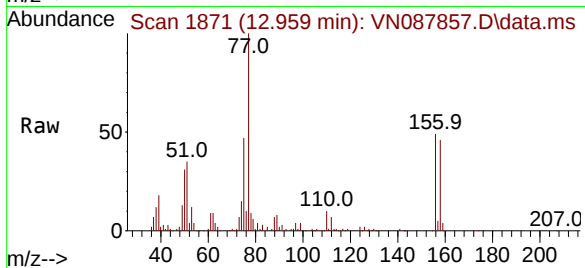
#77
Bromobenzene
Concen: 19.216 ug/l
RT: 12.959 min Scan# 1871
Delta R.T. 0.000 min
Lab File: VN087857.D
Acq: 16 Sep 2025 17:54

Instrument :
MSVOA_N
ClientSampleId :
VN0916MBS01

Tgt Ion:156 Resp: 78962
Ion Ratio Lower Upper
156 100
77 223.4 119.3 358.0
158 93.4 48.2 144.6

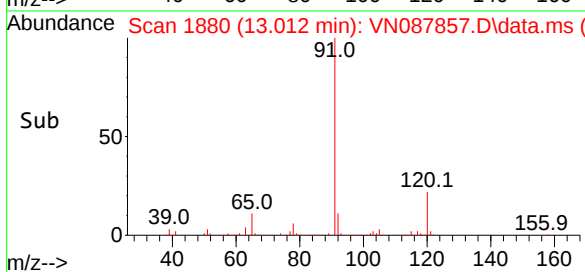
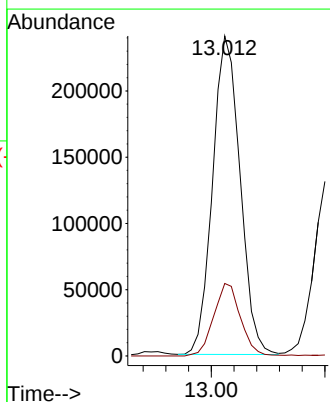
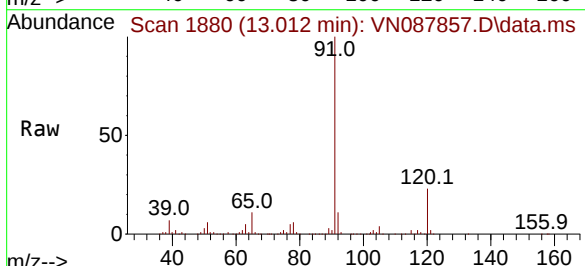
Manual Integrations
APPROVED

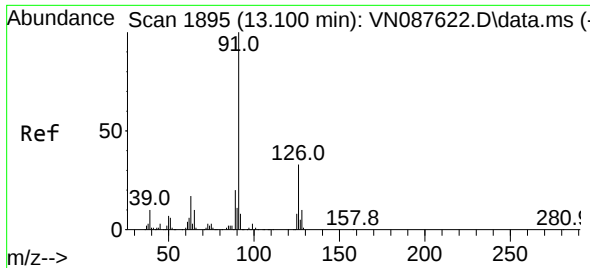
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025



#78
n-propylbenzene
Concen: 18.773 ug/l
RT: 13.012 min Scan# 1880
Delta R.T. 0.000 min
Lab File: VN087857.D
Acq: 16 Sep 2025 17:54

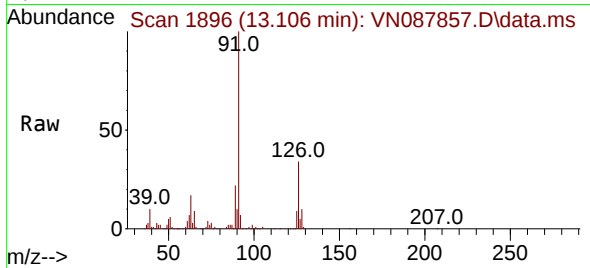
Tgt Ion: 91 Resp: 402999
Ion Ratio Lower Upper
91 100
120 22.2 10.7 32.1





#79
2-Chlorotoluene
Concen: 18.156 ug/l
RT: 13.106 min Scan# 1895
Delta R.T. 0.006 min
Lab File: VN087857.D
Acq: 16 Sep 2025 17:54

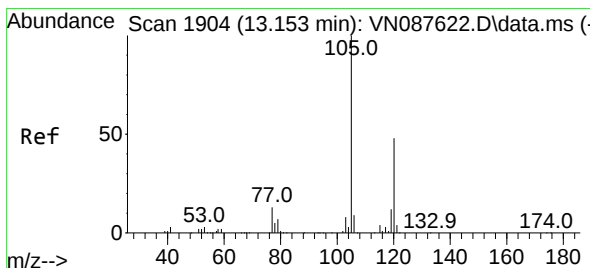
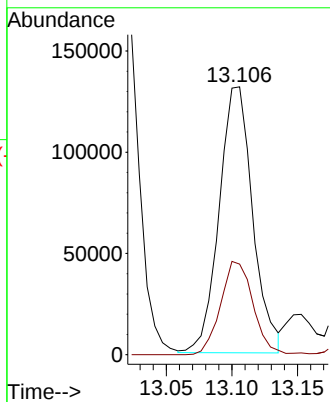
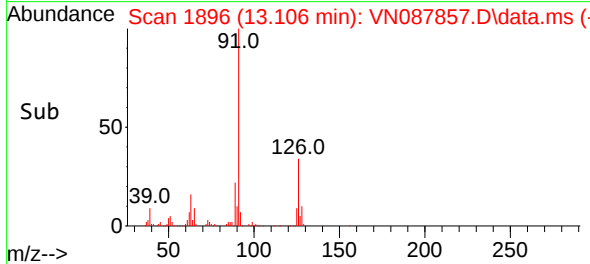
Instrument :
MSVOA_N
ClientSampleId :
VN0916MBS01



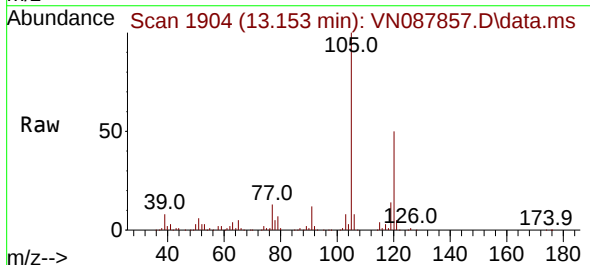
Tgt Ion: 91 Resp: 234548
Ion Ratio Lower Upper
91 100
126 34.0 16.1 48.3

Manual Integrations
APPROVED

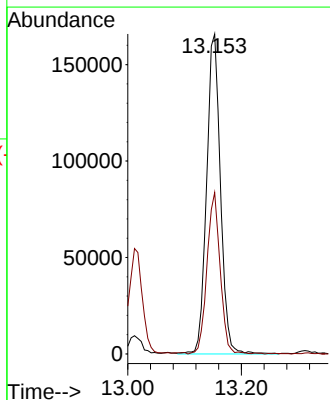
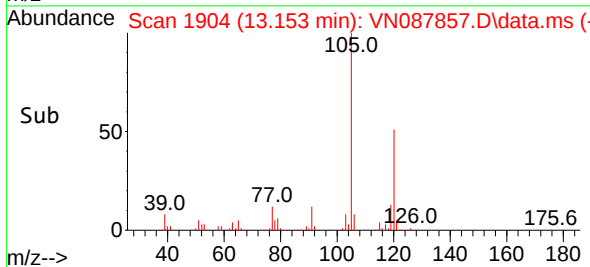
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

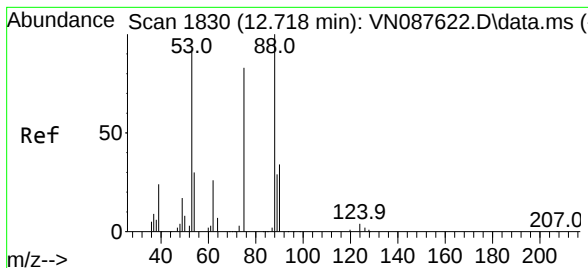


#80
1,3,5-Trimethylbenzene
Concen: 18.909 ug/l
RT: 13.153 min Scan# 1904
Delta R.T. 0.000 min
Lab File: VN087857.D
Acq: 16 Sep 2025 17:54



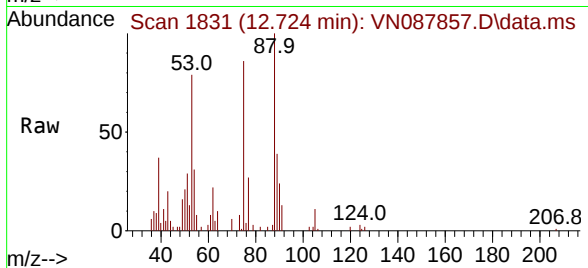
Tgt Ion:105 Resp: 279570
Ion Ratio Lower Upper
105 100
120 47.9 23.2 69.6





#81
trans-1,4-Dichloro-2-butene
Concen: 15.440 ug/l
RT: 12.724 min Scan# 1831
Delta R.T. 0.006 min
Lab File: VN087857.D
Acq: 16 Sep 2025 17:54

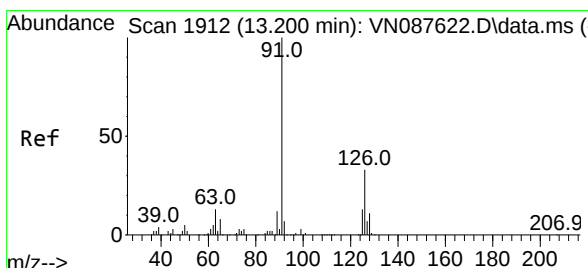
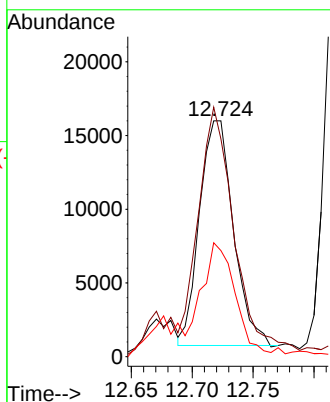
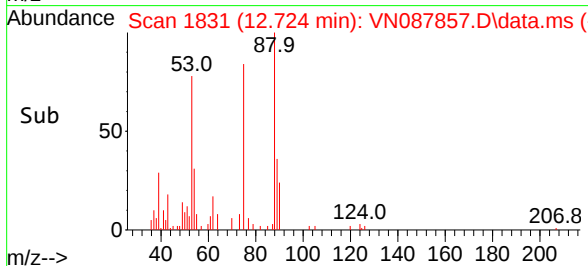
Instrument :
MSVOA_N
ClientSampleId :
VN0916MBS01



Tgt Ion: 75 Resp: 2949
Ion Ratio Lower Upper
75 100
53 114.8 101.8 152.6
89 47.8 35.6 53.4

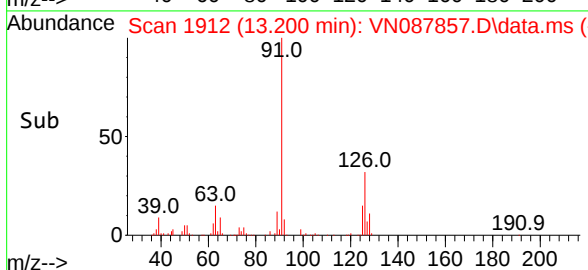
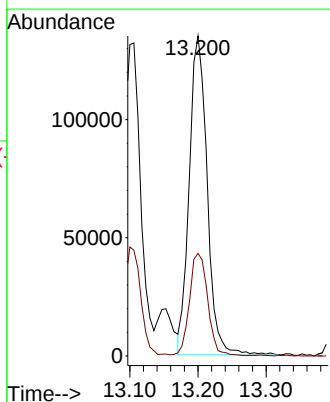
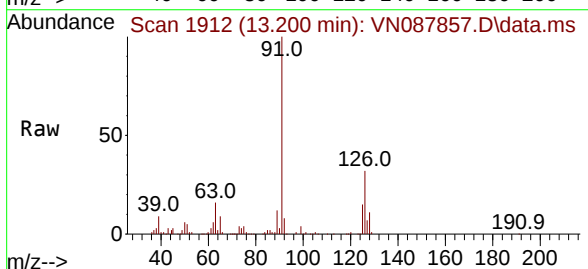
Manual Integrations
APPROVED

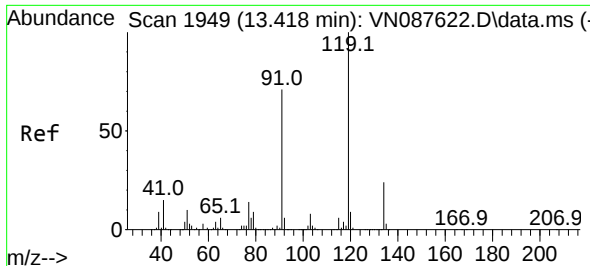
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025



#82
4-Chlorotoluene
Concen: 18.076 ug/l
RT: 13.200 min Scan# 1912
Delta R.T. 0.000 min
Lab File: VN087857.D
Acq: 16 Sep 2025 17:54

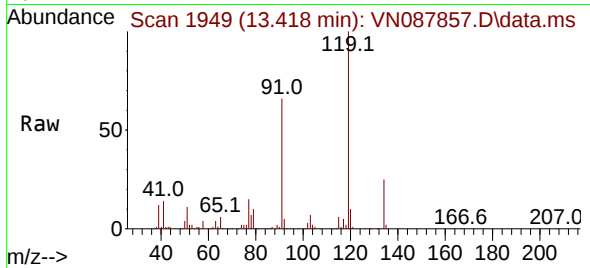
Tgt Ion: 91 Resp: 245522
Ion Ratio Lower Upper
91 100
126 32.5 15.6 46.8





#83
 tert-Butylbenzene
 Concen: 19.198 ug/l
 RT: 13.418 min Scan# 1949
 Delta R.T. 0.000 min
 Lab File: VN087857.D
 Acq: 16 Sep 2025 17:54

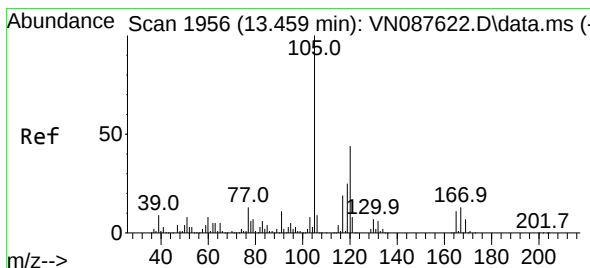
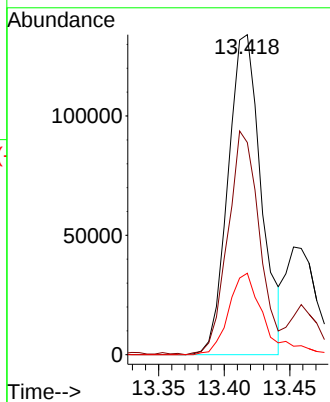
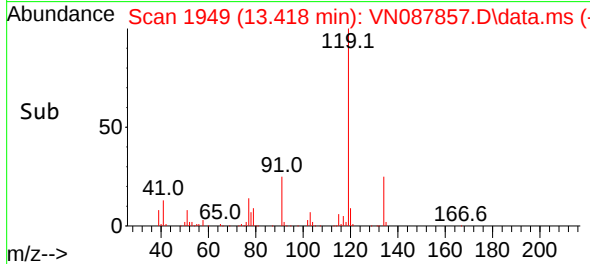
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0916MBS01



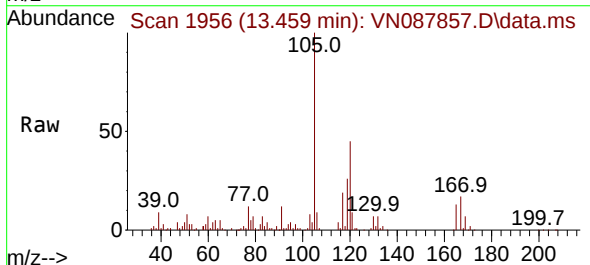
Tgt Ion:119 Resp: 23652
 Ion Ratio Lower Upper
 119 100
 91 66.3 35.0 105.0
 134 27.1 12.6 37.8

Manual Integrations
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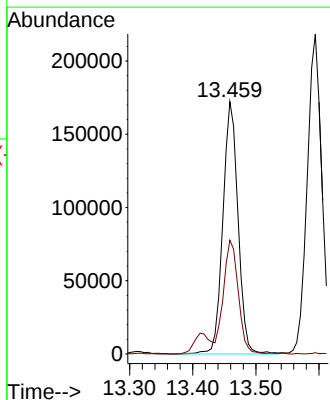
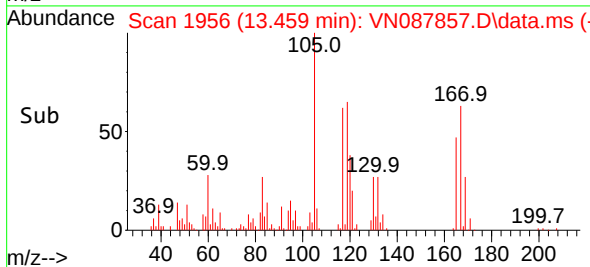
Reviewed By :John Carlone 09/17/2025
 Supervised By :Mahesh Dadoda 09/18/2025

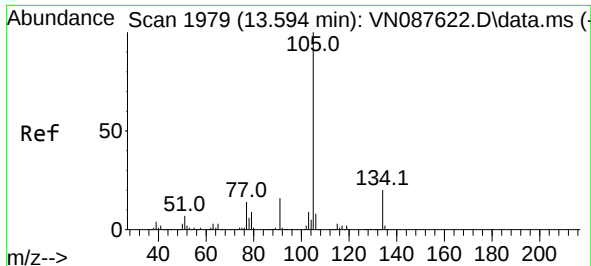


#84
 1,2,4-Trimethylbenzene
 Concen: 19.384 ug/l
 RT: 13.459 min Scan# 1956
 Delta R.T. 0.000 min
 Lab File: VN087857.D
 Acq: 16 Sep 2025 17:54



Tgt Ion:105 Resp: 286891
 Ion Ratio Lower Upper
 105 100
 120 43.3 22.0 66.0





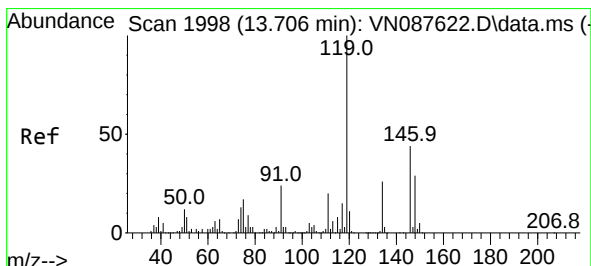
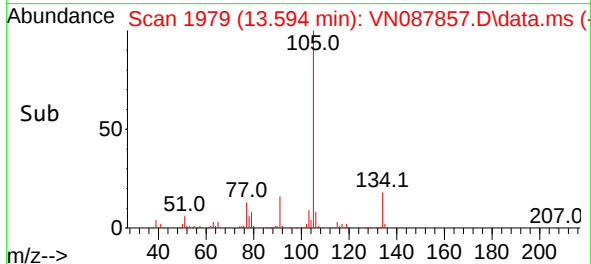
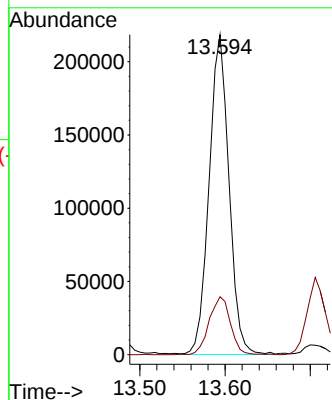
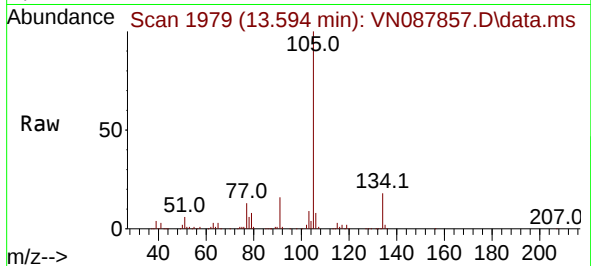
#85
 sec-Butylbenzene
 Concen: 19.380 ug/l
 RT: 13.594 min Scan# 1979
 Delta R.T. 0.000 min
 Lab File: VN087857.D
 Acq: 16 Sep 2025 17:54

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0916MBS01

Tgt Ion:105 Resp: 354330
 Ion Ratio Lower Upper
 105 100
 134 19.4 9.6 28.6

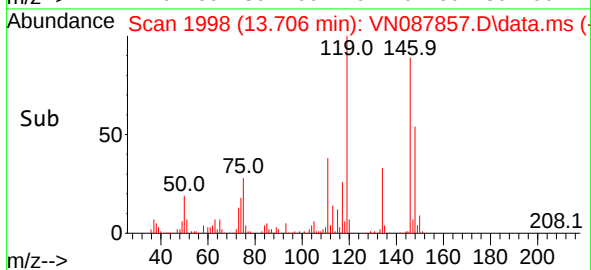
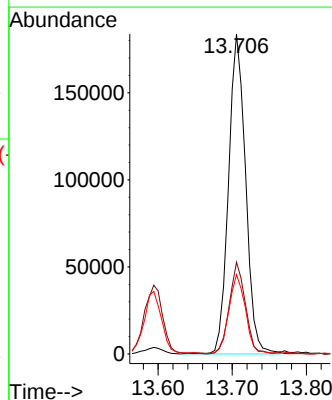
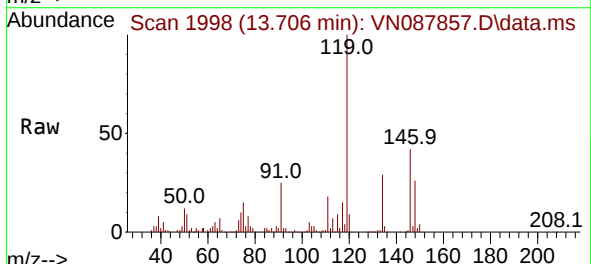
Manual Integrations
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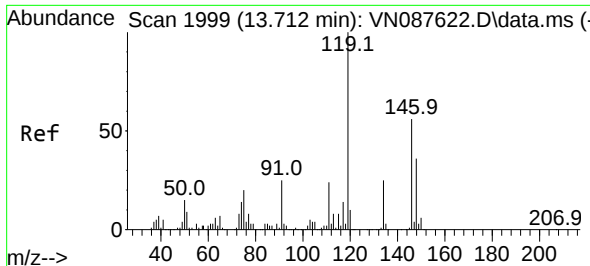
Reviewed By :John Carlone 09/17/2025
 Supervised By :Mahesh Dadoda 09/18/2025



#86
 p-Isopropyltoluene
 Concen: 19.454 ug/l
 RT: 13.706 min Scan# 1998
 Delta R.T. 0.000 min
 Lab File: VN087857.D
 Acq: 16 Sep 2025 17:54

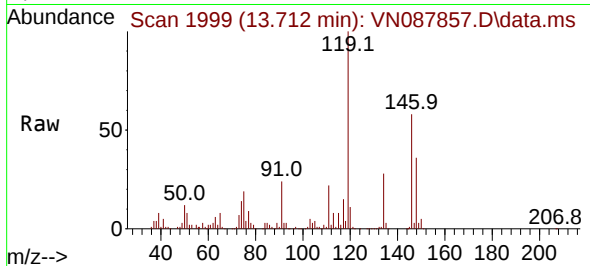
Tgt Ion:119 Resp: 293710
 Ion Ratio Lower Upper
 119 100
 134 27.2 12.7 38.0
 91 23.8 12.5 37.5





#87
1,3-Dichlorobenzene
Concen: 18.862 ug/l
RT: 13.712 min Scan# 1999
Delta R.T. 0.000 min
Lab File: VN087857.D
Acq: 16 Sep 2025 17:54

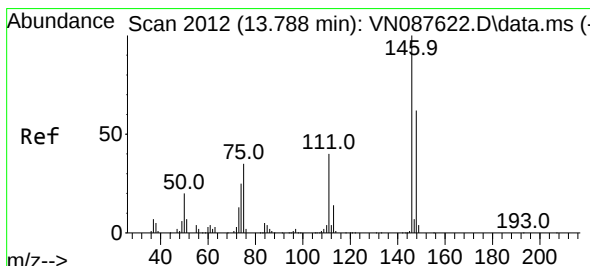
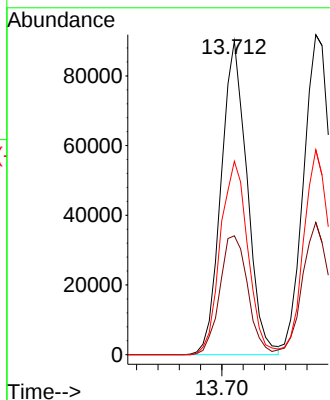
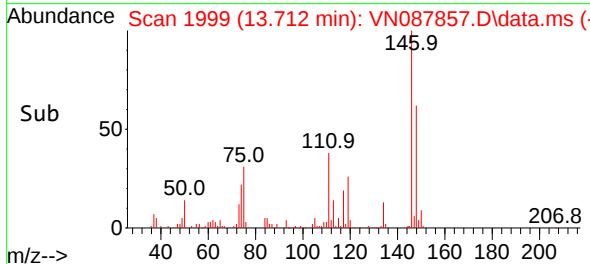
Instrument :
MSVOA_N
ClientSampleId :
VN0916MBS01



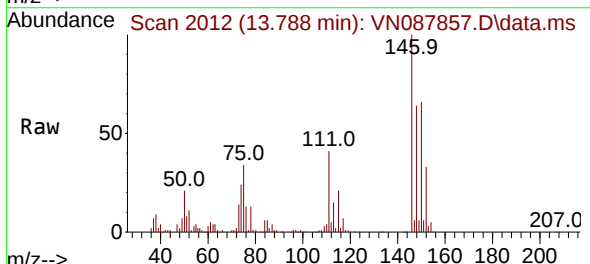
Tgt Ion:146 Resp: 15263
Ion Ratio Lower Upper
146 100
111 40.7 22.1 66.5
148 65.3 32.0 96.2

Manual Integrations
APPROVED

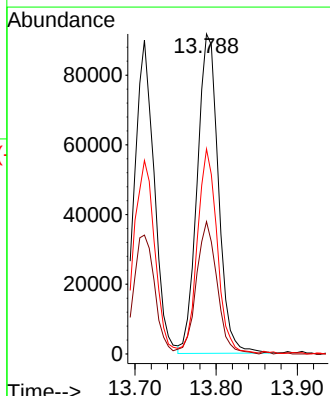
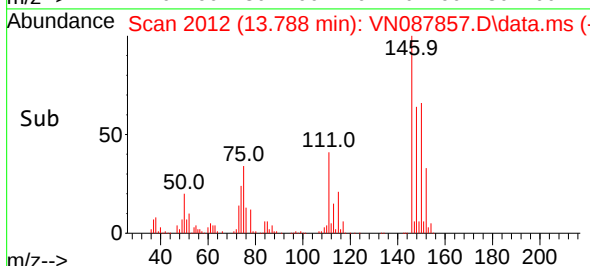
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

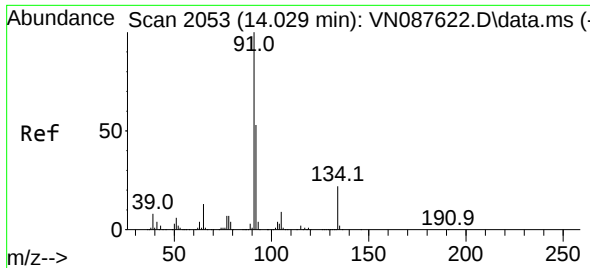


#88
1,4-Dichlorobenzene
Concen: 19.734 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. 0.000 min
Lab File: VN087857.D
Acq: 16 Sep 2025 17:54



Tgt Ion:146 Resp: 166184
Ion Ratio Lower Upper
146 100
111 40.7 21.0 63.0
148 59.6 32.0 96.0





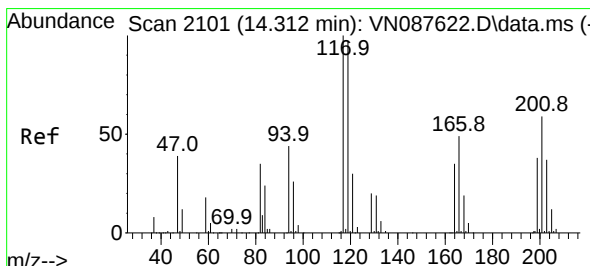
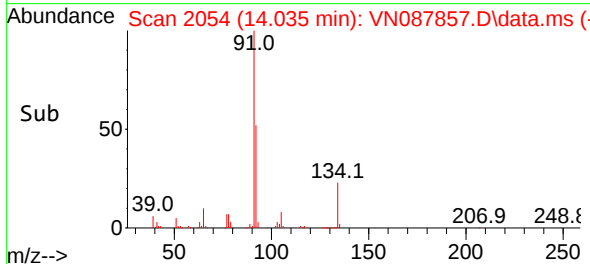
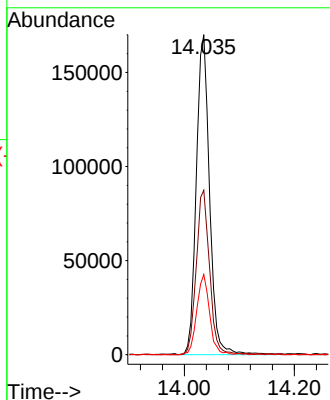
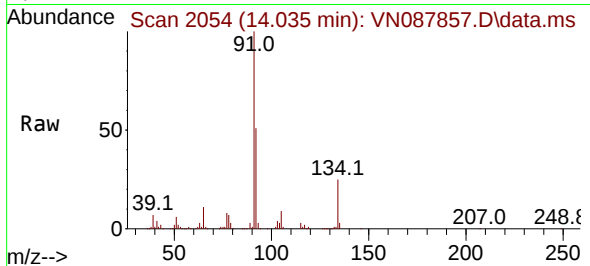
#89
n-Butylbenzene
Concen: 18.956 ug/l
RT: 14.035 min Scan# 2054
Delta R.T. 0.006 min
Lab File: VN087857.D
Acq: 16 Sep 2025 17:54

Instrument :
MSVOA_N
ClientSampleId :
VN0916MBS01

Tgt Ion: 91 Resp: 284230
Ion Ratio Lower Upper
91 100
92 51.5 25.9 77.8
134 24.2 11.7 35.0

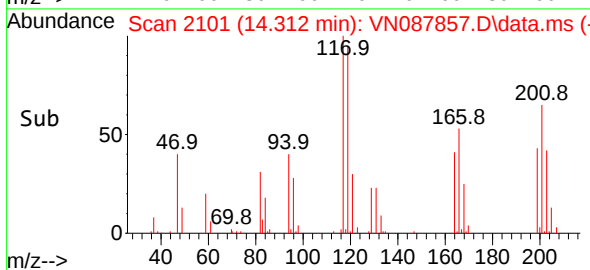
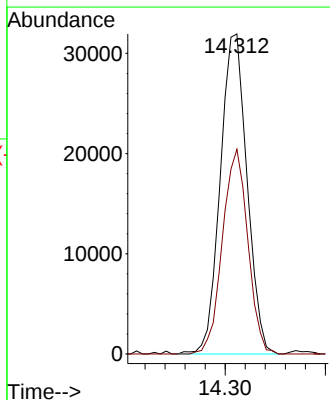
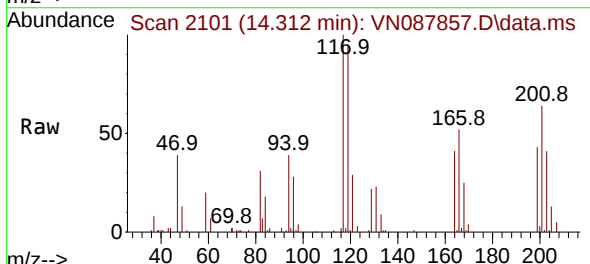
Manual Integrations
APPROVED

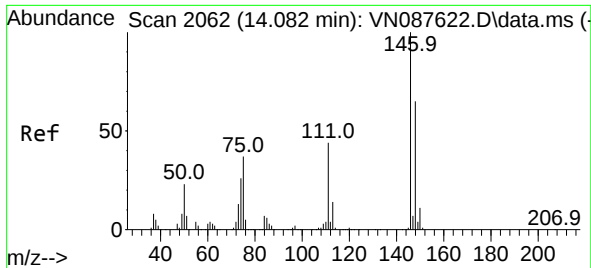
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025



#90
Hexachloroethane
Concen: 20.572 ug/l
RT: 14.312 min Scan# 2101
Delta R.T. 0.000 min
Lab File: VN087857.D
Acq: 16 Sep 2025 17:54

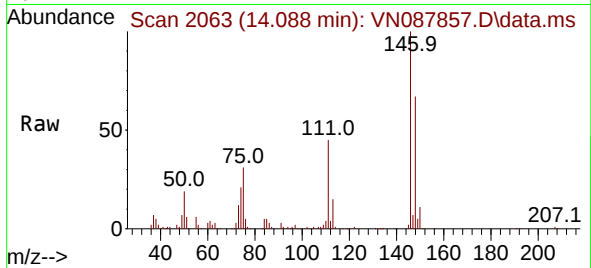
Tgt Ion:117 Resp: 59172
Ion Ratio Lower Upper
117 100
201 60.5 29.1 87.4





#91
1,2-Dichlorobenzene
Concen: 19.556 ug/l
RT: 14.088 min Scan# 2062
Delta R.T. 0.006 min
Lab File: VN087857.D
Acq: 16 Sep 2025 17:54

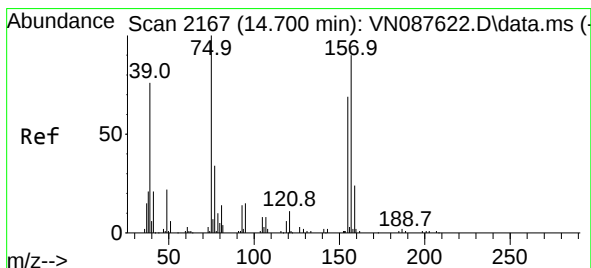
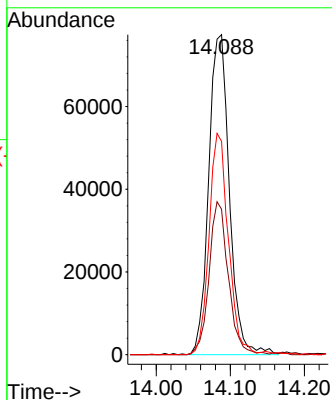
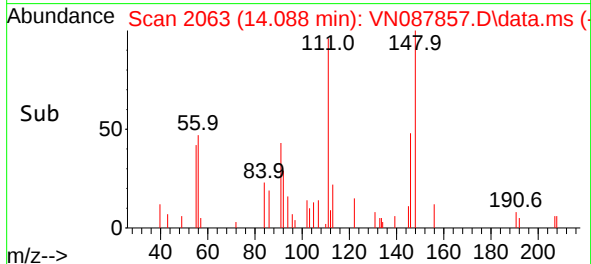
Instrument :
MSVOA_N
ClientSampleId :
VN0916MBS01



Tgt Ion: 146 Resp: 15013
Ion Ratio Lower Upper
146 100
111 44.5 22.6 67.8
148 64.5 31.9 95.9

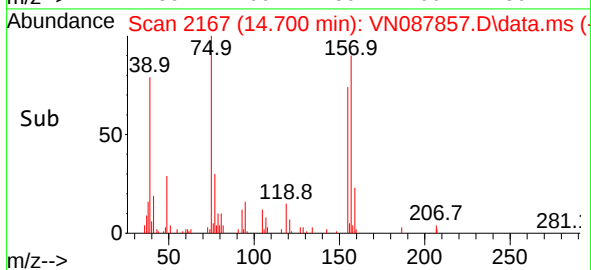
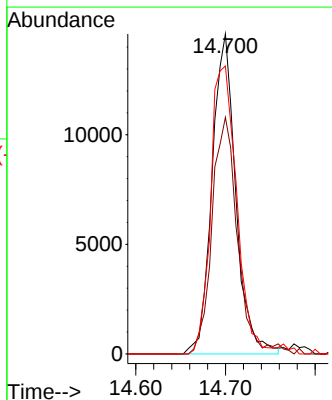
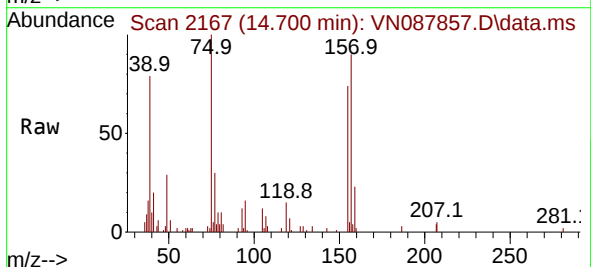
Manual Integrations
APPROVED

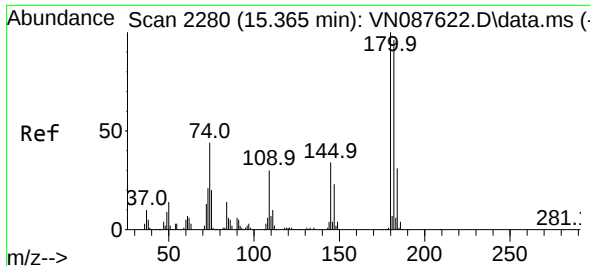
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025



#92
1,2-Dibromo-3-Chloropropane
Concen: 18.755 ug/l
RT: 14.700 min Scan# 2167
Delta R.T. 0.000 min
Lab File: VN087857.D
Acq: 16 Sep 2025 17:54

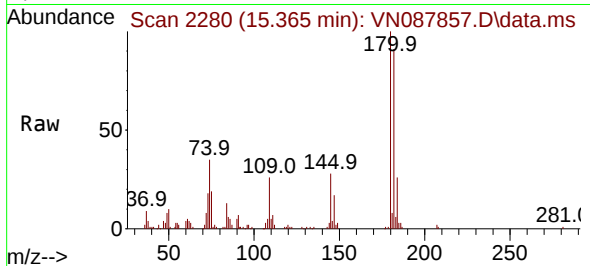
Tgt Ion: 75 Resp: 26733
Ion Ratio Lower Upper
75 100
155 78.4 36.6 109.9
157 98.6 45.6 136.9





#93
1,2,4-Trichlorobenzene
Concen: 19.492 ug/l
RT: 15.365 min Scan# 2280
Delta R.T. 0.000 min
Lab File: VN087857.D
Acq: 16 Sep 2025 17:54

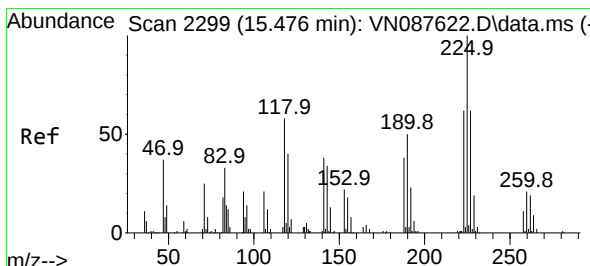
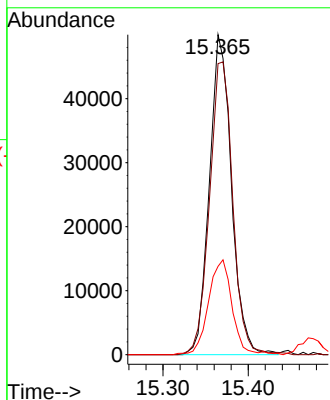
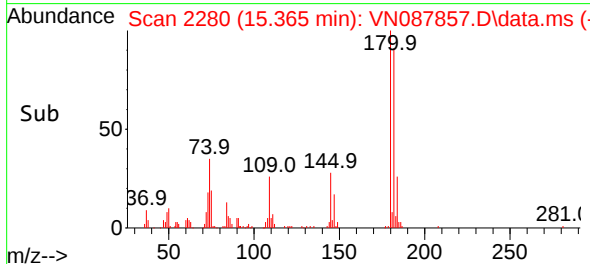
Instrument :
MSVOA_N
ClientSampleId :
VN0916MBS01



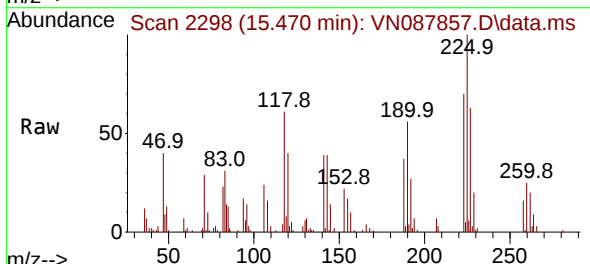
Tgt Ion:180 Resp: 89862
Ion Ratio Lower Upper
180 100
182 96.5 47.6 142.9
145 31.8 16.5 49.5

Manual Integrations
APPROVED

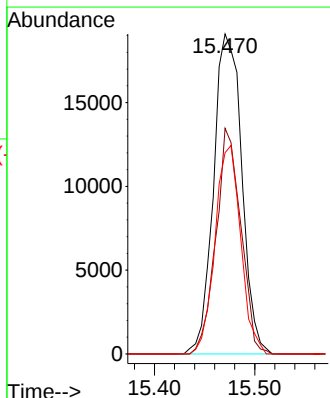
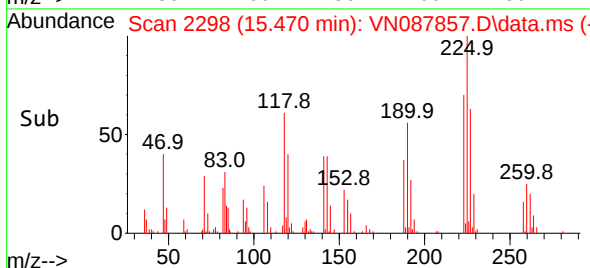
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

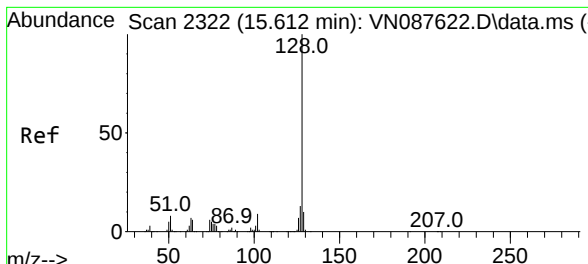


#94
Hexachlorobutadiene
Concen: 22.691 ug/l
RT: 15.470 min Scan# 2298
Delta R.T. -0.006 min
Lab File: VN087857.D
Acq: 16 Sep 2025 17:54



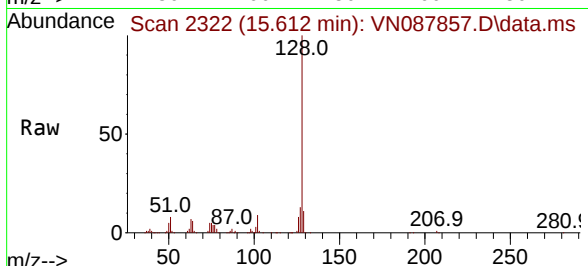
Tgt Ion:225 Resp: 37293
Ion Ratio Lower Upper
225 100
223 62.3 32.0 96.2
227 59.3 32.1 96.5





#95
Naphthalene
Concen: 19.358 ug/l
RT: 15.612 min Scan# 2322
Delta R.T. 0.000 min
Lab File: VN087857.D
Acq: 16 Sep 2025 17:54

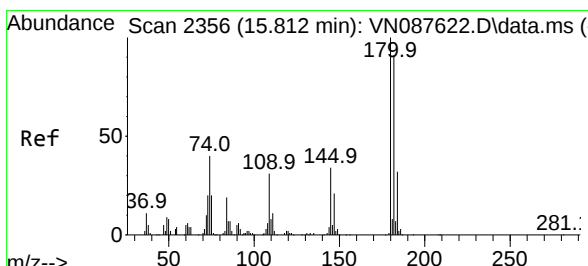
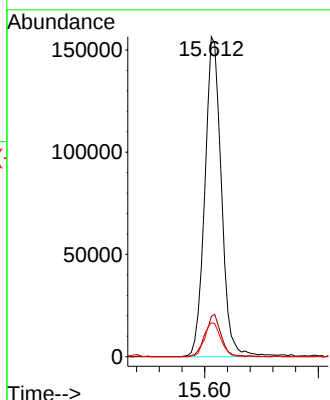
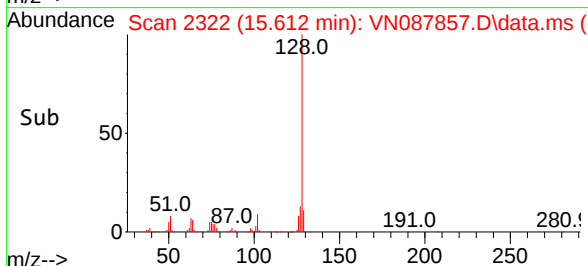
Instrument :
MSVOA_N
ClientSampleId :
VN0916MBS01



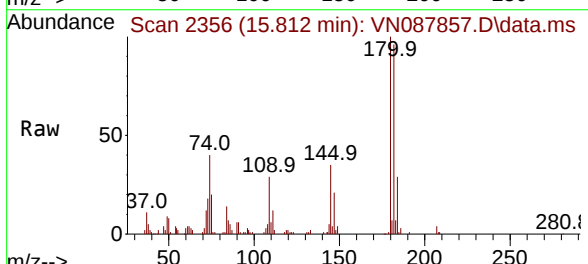
Tgt Ion:128 Resp: 31610
Ion Ratio Lower Upper
128 100
127 12.6 10.6 15.8
129 10.6 8.6 12.8

Manual Integrations
APPROVED

Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025



#96
1,2,3-Trichlorobenzene
Concen: 19.500 ug/l
RT: 15.812 min Scan# 2356
Delta R.T. 0.000 min
Lab File: VN087857.D
Acq: 16 Sep 2025 17:54



Tgt Ion:180 Resp: 87882
Ion Ratio Lower Upper
180 100
182 95.3 46.8 140.3
145 33.0 17.3 52.0

