

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN082125\
 Data File : VN087621.D
 Acq On : 21 Aug 2025 13:41
 Operator : JC\MD
 Sample : VSTDICC020
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC020

Quant Time: Aug 22 02:30:54 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N082125W.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 22 02:09:28 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 08/22/2025
 Supervised By : Mahesh Dadoda 08/25/2025

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

Internal Standards						
1) Pentafluorobenzene	8.206	168	225514	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.083	114	446006	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.841	117	409187	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.771	152	204594	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.559	65	91607	19.826	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	39.660%#		
35) Dibromofluoromethane	8.153	113	61315	19.041	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	38.080%#		
50) Toluene-d8	10.547	98	225931	18.746	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	37.500%#		
62) 4-Bromofluorobenzene	12.829	95	80936	18.883	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	37.760%#		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.142	85	54651	17.063	ug/l	96
3) Chloromethane	2.383	50	64072	19.466	ug/l	95
4) Vinyl Chloride	2.536	62	75059	19.667	ug/l	99
5) Bromomethane	2.971	94	35415	17.984	ug/l	90
6) Chloroethane	3.136	64	54039	20.146	ug/l	98
7) Trichlorofluoromethane	3.506	101	112067	20.042	ug/l	92
8) Diethyl Ether	3.954	74	49068	20.150	ug/l	97
9) 1,1,2-Trichlorotrifluo...	4.365	101	61080	19.305	ug/l	96
10) Methyl Iodide	4.583	142	32047	18.518	ug/l #	97
11) Tert butyl alcohol	5.524	59	84156	104.914	ug/l	98
12) 1,1-Dichloroethene	4.336	96	65870	20.259	ug/l	93
13) Acrolein	4.171	56	89266	90.522	ug/l	99
14) Allyl chloride	5.012	41	113139	19.202	ug/l	96
15) Acrylonitrile	5.706	53	230008	101.673	ug/l	99
16) Acetone	4.418	43	263348	104.700	ug/l	97
17) Carbon Disulfide	4.701	76	177734	19.857	ug/l	100
18) Methyl Acetate	5.012	43	98949	18.789	ug/l	97
19) Methyl tert-butyl Ether	5.789	73	247157	20.264	ug/l	99
20) Methylene Chloride	5.265	84	78920	20.972	ug/l	96
21) trans-1,2-Dichloroethene	5.777	96	69321	19.672	ug/l	95
22) Diisopropyl ether	6.653	45	261888	20.597	ug/l	97
23) Vinyl Acetate	6.589	43	1120284	96.845	ug/l	99
24) 1,1-Dichloroethane	6.553	63	139765	20.048	ug/l	99
25) 2-Butanone	7.465	43	341538	103.210	ug/l	99
26) 2,2-Dichloropropane	7.477	77	119616	19.991	ug/l	99
27) cis-1,2-Dichloroethene	7.471	96	84502	20.059	ug/l	97
28) Bromochloromethane	7.800	49	65173	19.338	ug/l	97
29) Tetrahydrofuran	7.830	42	215847	101.354	ug/l	98
30) Chloroform	7.947	83	146915	20.647	ug/l	99
31) Cyclohexane	8.241	56	118194	20.337	ug/l	98
32) 1,1,1-Trichloroethane	8.147	97	122634	20.336	ug/l	99
36) 1,1-Dichloropropene	8.353	75	98127	19.863	ug/l	98
37) Ethyl Acetate	7.547	43	135691	20.101	ug/l	97
38) Carbon Tetrachloride	8.341	117	101311	20.771	ug/l	92
39) Methylcyclohexane	9.577	83	108801	20.005	ug/l	97
40) Benzene	8.588	78	308160	20.338	ug/l	95

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.765	41	69274	19.811	ug/l	98
42) 1,2-Dichloroethane	8.653	62	120495	20.694	ug/l	98
43) Isopropyl Acetate	8.671	43	216674	20.559	ug/l	99
44) Trichloroethene	9.336	130	69650	20.134	ug/l	92
45) 1,2-Dichloropropane	9.600	63	79779	19.975	ug/l	99
46) Dibromomethane	9.688	93	58410	20.551	ug/l	99
47) Bromodichloromethane	9.871	83	118959	20.423	ug/l	90
48) Methyl methacrylate	9.665	41	101988	20.458	ug/l	99
49) 1,4-Dioxane	9.688	88	29266	452.929	ug/l #	99
51) 4-Methyl-2-Pentanone	10.424	43	663566	104.353	ug/l	100
52) Toluene	10.612	92	189511	20.175	ug/l	100
53) t-1,3-Dichloropropene	10.818	75	123317	20.453	ug/l	98
54) cis-1,3-Dichloropropene	10.294	75	127086	20.300	ug/l	97
55) 1,1,2-Trichloroethane	10.994	97	74360	20.463	ug/l	96
56) Ethyl methacrylate	10.859	69	121534	20.928	ug/l	97
57) 1,3-Dichloropropane	11.141	76	132575	20.615	ug/l	99
58) 2-Chloroethyl Vinyl ether	10.141	63	272481	86.689	ug/l	100
59) 2-Hexanone	11.177	43	439624	109.392	ug/l	99
60) Dibromochloromethane	11.335	129	81730	19.411	ug/l	99
61) 1,2-Dibromoethane	11.447	107	79247	20.682	ug/l	97
64) Tetrachloroethene	11.082	164	55688	19.616	ug/l	97
65) Chlorobenzene	11.871	112	205088	20.146	ug/l	92
66) 1,1,1,2-Tetrachloroethane	11.935	131	69837	20.664	ug/l	99
67) Ethyl Benzene	11.941	91	364023	20.653	ug/l	98
68) m/p-Xylenes	12.053	106	265461	41.067	ug/l	99
69) o-Xylene	12.377	106	129958	20.515	ug/l	99
70) Styrene	12.388	104	227729	21.458	ug/l	100
71) Bromoform	12.559	173	52443	20.233	ug/l #	98
73) Isopropylbenzene	12.676	105	335219	20.276	ug/l	99
74) N-amyl acetate	12.547	43	103508m	16.273	ug/l	
75) 1,1,2,2-Tetrachloroethane	12.918	83	116302	20.433	ug/l	99
76) 1,2,3-Trichloropropane	12.976	75	97260m	20.223	ug/l	
77) Bromobenzene	12.959	156	80835	20.737	ug/l	98
78) n-propylbenzene	13.012	91	419422	20.596	ug/l	99
79) 2-Chlorotoluene	13.106	91	255043	20.812	ug/l	99
80) 1,3,5-Trimethylbenzene	13.153	105	286272	20.412	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.718	75	34072	18.801	ug/l	88
82) 4-Chlorotoluene	13.200	91	263916	20.483	ug/l	99
83) tert-Butylbenzene	13.418	119	237268	20.302	ug/l	99
84) 1,2,4-Trimethylbenzene	13.459	105	290636	20.701	ug/l	99
85) sec-Butylbenzene	13.594	105	357394	20.607	ug/l	99
86) p-Isopropyltoluene	13.706	119	290561	20.288	ug/l	99
87) 1,3-Dichlorobenzene	13.712	146	158749	20.680	ug/l	97
88) 1,4-Dichlorobenzene	13.788	146	160067	20.037	ug/l	98
89) n-Butylbenzene	14.035	91	293738	20.652	ug/l	99
90) Hexachloroethane	14.312	117	55637	20.391	ug/l	98
91) 1,2-Dichlorobenzene	14.082	146	151644	20.823	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.694	75	26895	19.891	ug/l	96
93) 1,2,4-Trichlorobenzene	15.365	180	88494	20.236	ug/l	97
94) Hexachlorobutadiene	15.476	225	31498	20.203	ug/l	97
95) Naphthalene	15.612	128	304789	19.677	ug/l	99
96) 1,2,3-Trichlorobenzene	15.812	180	86694	20.278	ug/l	99

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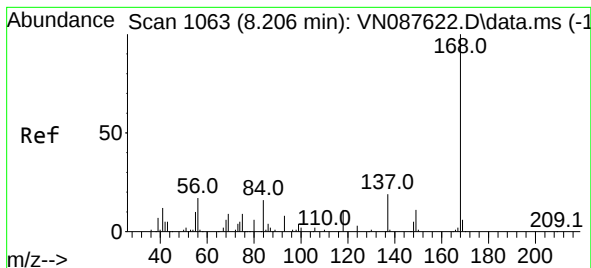
Manual Integrations
APPROVED

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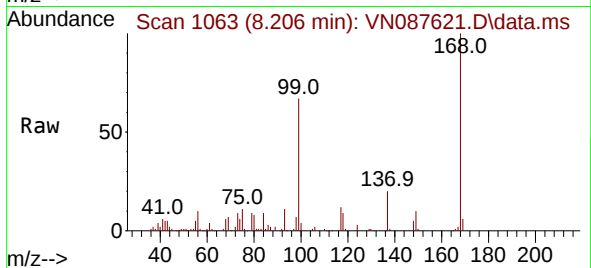
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.206 min Scan# 1063
Delta R.T. 0.000 min
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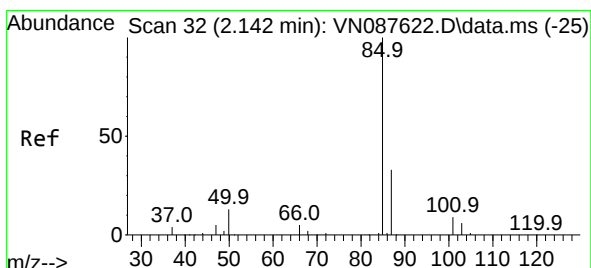
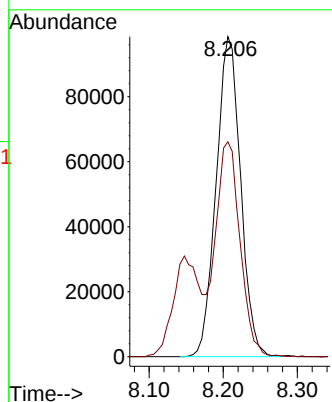
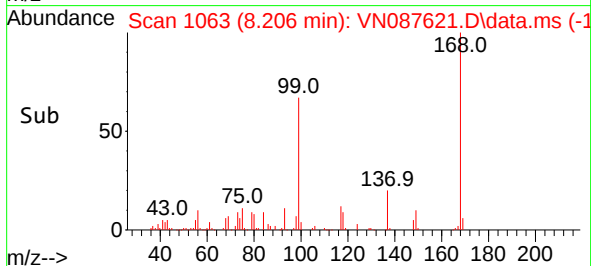
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020



Tgt Ion:168 Resp: 225514
Ion Ratio Lower Upper
168 100
99 66.8 57.2 85.8

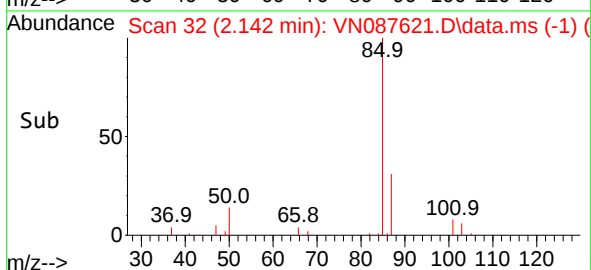
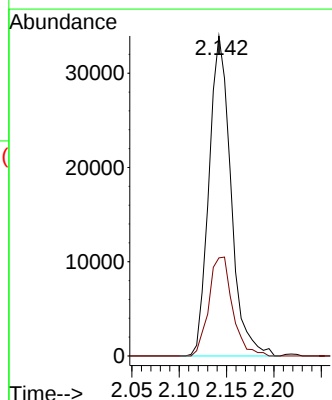
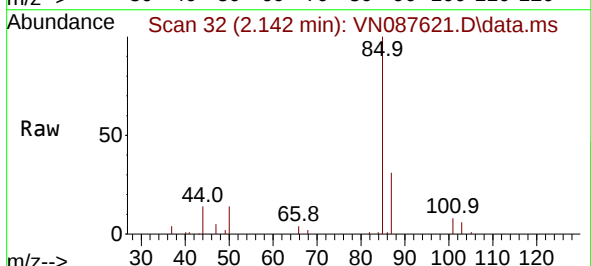
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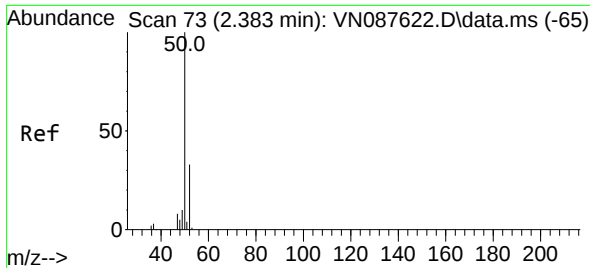
Reviewed By :John Carlone 08/22/2025
Supervised By :Mahesh Dadoda 08/25/2025



#2
Dichlorodifluoromethane
Concen: 17.063 ug/l
RT: 2.142 min Scan# 32
Delta R.T. 0.000 min
Lab File: VN087621.D
Acq: 21 Aug 2025 13:41

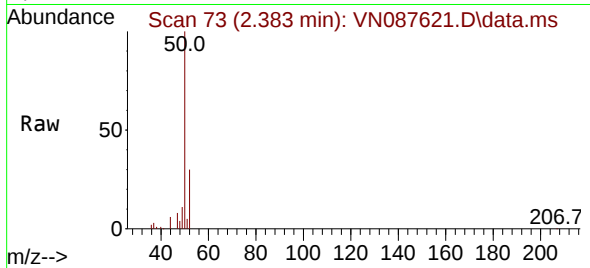
Tgt Ion: 85 Resp: 54651
Ion Ratio Lower Upper
85 100
87 30.7 16.6 49.8





#3
Chloromethane
Concen: 19.466 ug/l
RT: 2.383 min Scan# 71
Delta R.T. 0.000 min
Lab File: VN087621.D
Acq: 21 Aug 2025 13:41

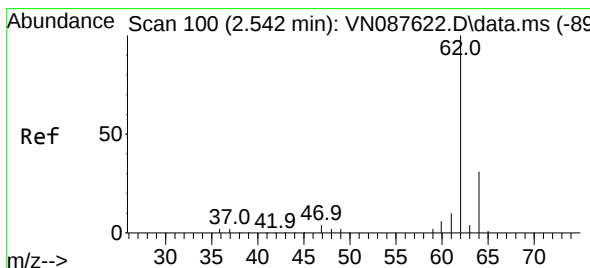
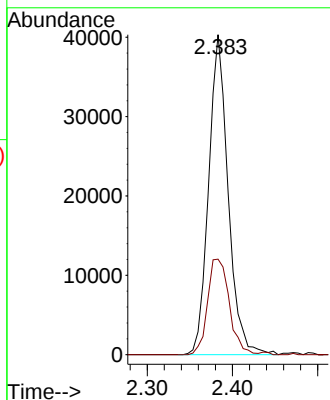
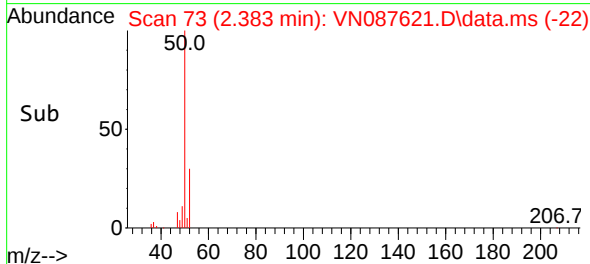
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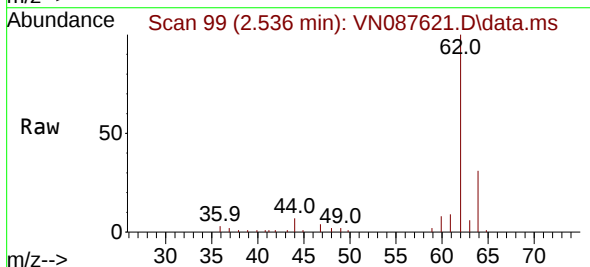
Tgt Ion: 50 Resp: 64072
Ion Ratio Lower Upper
50 100
52 29.9 26.2 39.4

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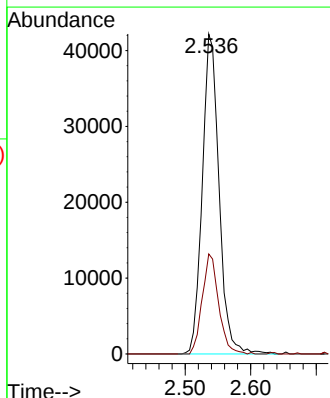
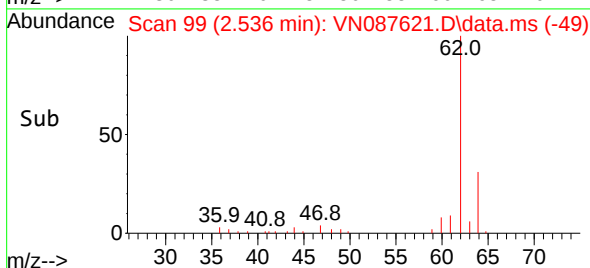
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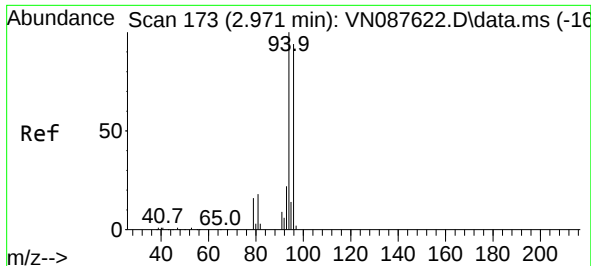


#4
Vinyl Chloride
Concen: 19.667 ug/l
RT: 2.536 min Scan# 99
Delta R.T. -0.006 min
Lab File: VN087621.D
Acq: 21 Aug 2025 13:41



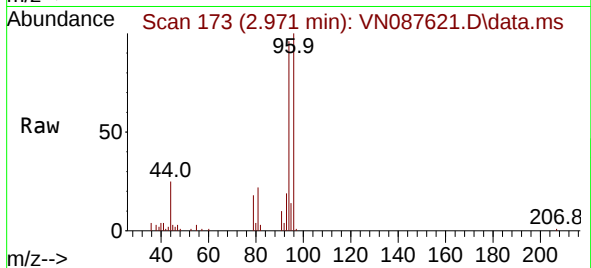
Tgt Ion: 62 Resp: 75059
Ion Ratio Lower Upper
62 100
64 31.3 24.6 37.0





#5
Bromomethane
Concen: 17.984 ug/l
RT: 2.971 min Scan# 173
Delta R.T. 0.000 min
Lab File: VN087621.D
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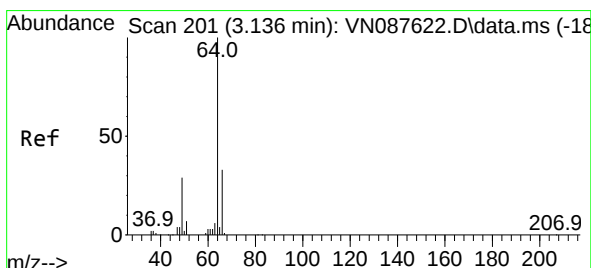
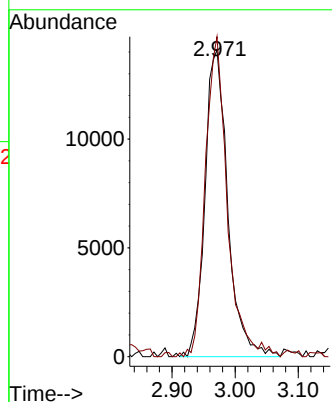
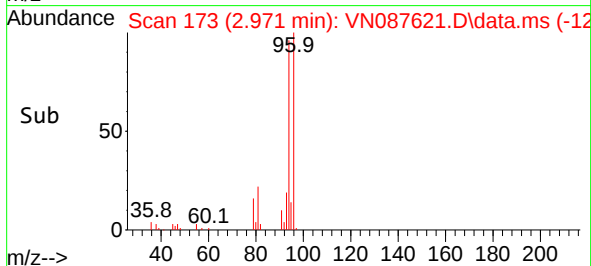
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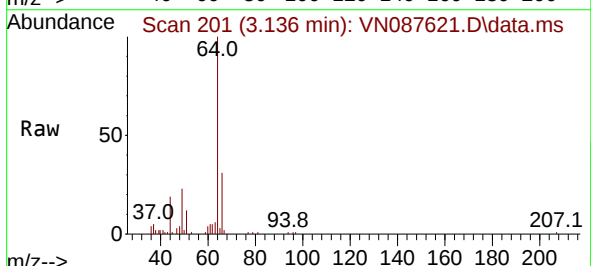
Tgt Ion: 94 Resp: 3541
Ion Ratio Lower Upper
94 100
96 104.2 75.4 113.2

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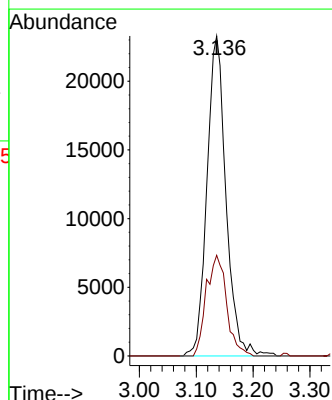
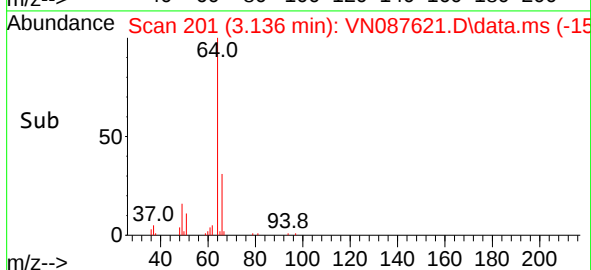
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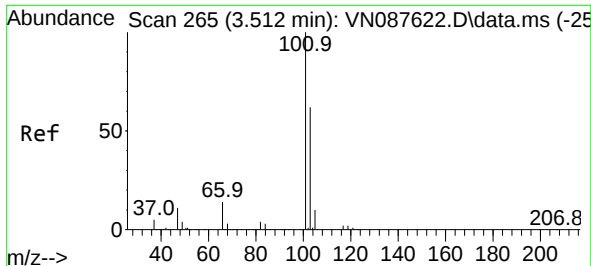


#6
Chloroethane
Concen: 20.146 ug/l
RT: 3.136 min Scan# 201
Delta R.T. 0.000 min
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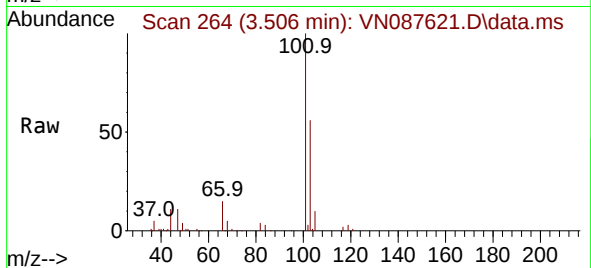
Tgt Ion: 64 Resp: 54039
Ion Ratio Lower Upper
64 100
66 31.4 26.2 39.2





#7
 Trichlorofluoromethane
 Concen: 20.042 ug/l
 RT: 3.506 min Scan# 210
 Delta R.T. -0.006 min
 Lab File: VN087621.D
 Acq: 21 Aug 2025 13:41

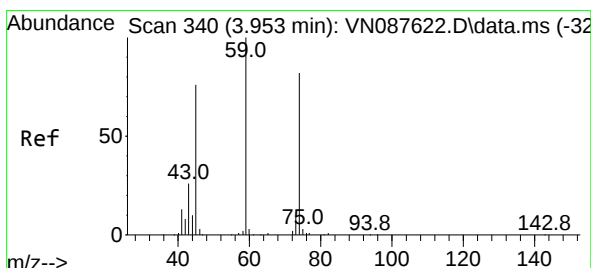
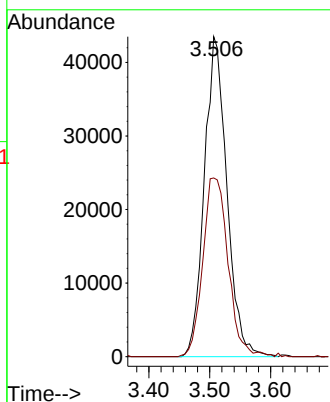
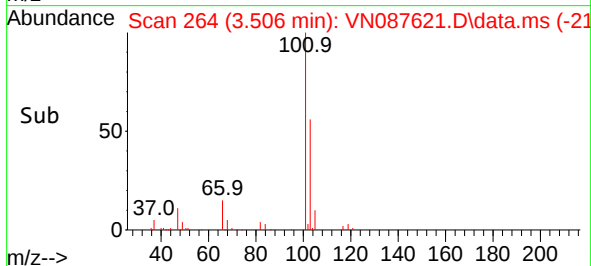
Instrument :
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Tgt Ion:101 Resp: 11206
 Ion Ratio Lower Upper
 101 100
 103 55.9 49.4 74.0

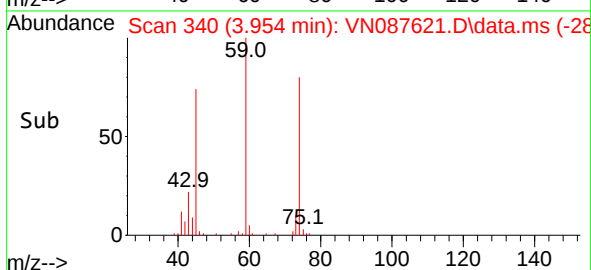
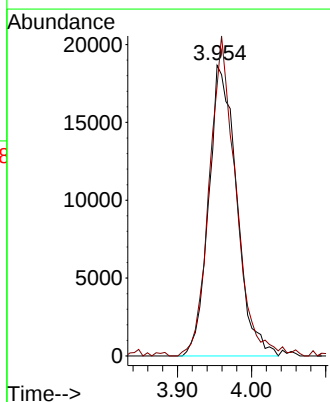
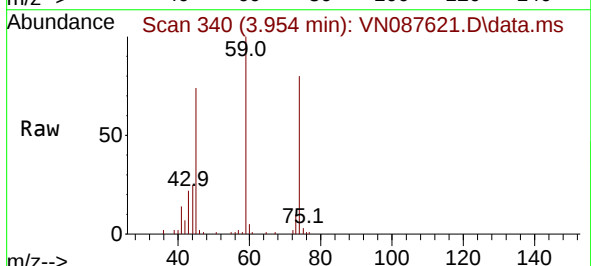
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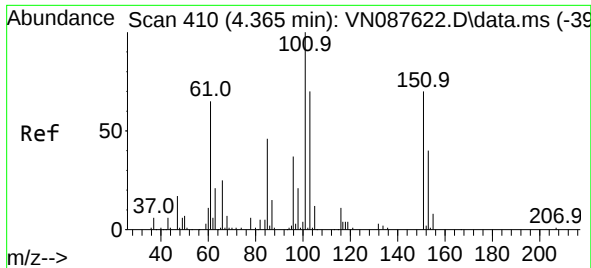
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#8
 Diethyl Ether
 Concen: 20.150 ug/l
 RT: 3.954 min Scan# 340
 Delta R.T. 0.000 min
 Lab File: VN087621.D
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Tgt Ion: 74 Resp: 49068
 Ion Ratio Lower Upper
 74 100
 45 104.2 50.6 151.9





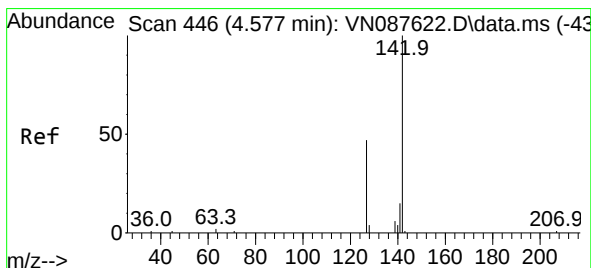
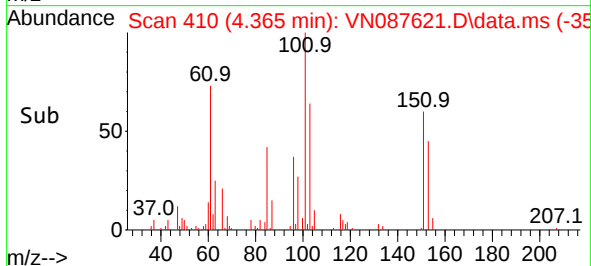
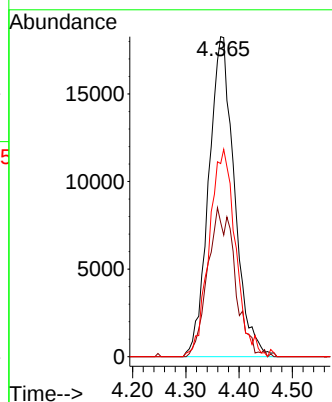
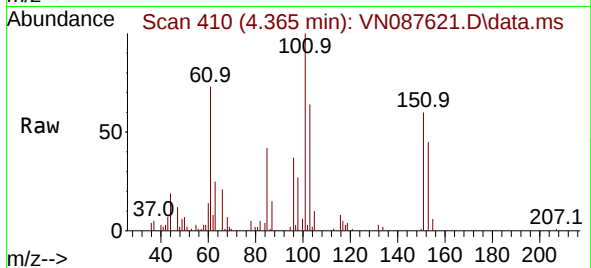
#9
1,1,2-Trichlorotrifluoroethane
Concen: 19.305 ug/l
RT: 4.365 min Scan# 410
Delta R.T. 0.000 min
Lab File: VN087621.D
Acq: 21 Aug 2025 13:41

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion:101 Resp: 61080
Ion Ratio Lower Upper
101 100
85 49.6 36.6 55.0
151 66.3 54.7 82.1

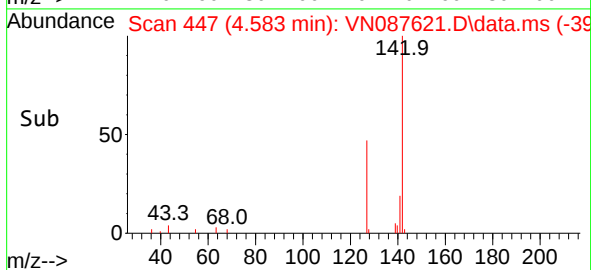
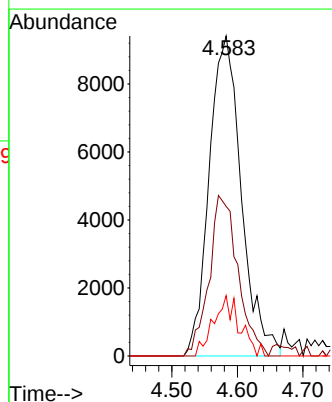
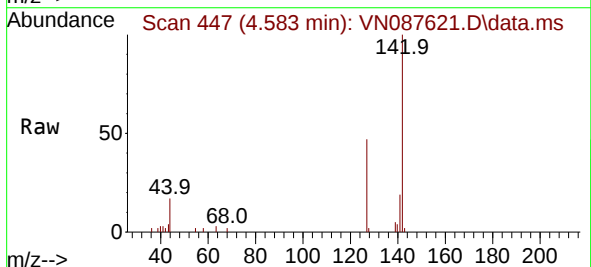
Manual Integrations
APPROVED

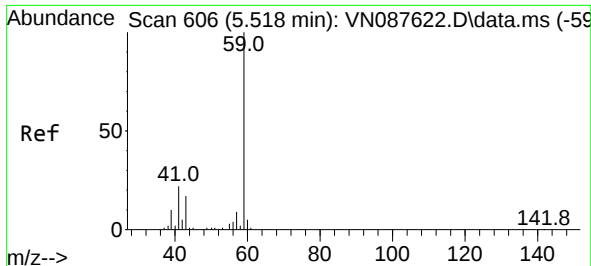
Reviewed By :John Carlone 08/22/2025
Supervised By :Mahesh Dadoda 08/25/2025



#10
Methyl Iodide
Concen: 18.518 ug/l
RT: 4.583 min Scan# 447
Delta R.T. 0.006 min
Lab File: VN087621.D
Acq: 21 Aug 2025 13:41

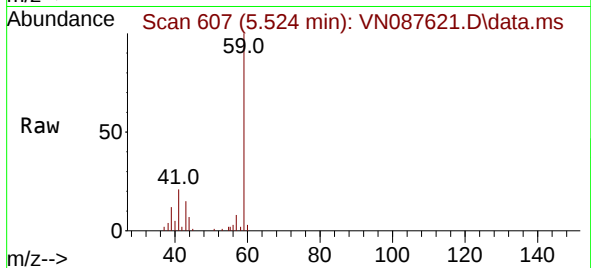
Tgt Ion:142 Resp: 32047
Ion Ratio Lower Upper
142 100
127 46.7 38.0 57.0
141 18.9 12.0 18.0#





#11
Tert butyl alcohol
Concen: 104.914 ug/l
RT: 5.524 min Scan# 607
Delta R.T. 0.006 min
Lab File: VN087621.D
Acq: 21 Aug 2025 13:41

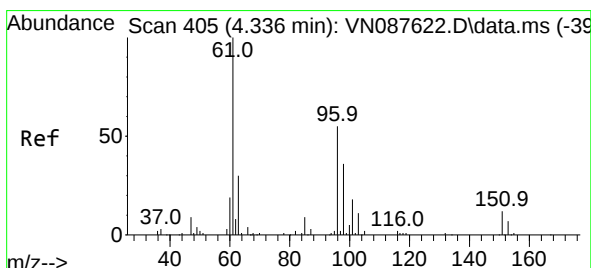
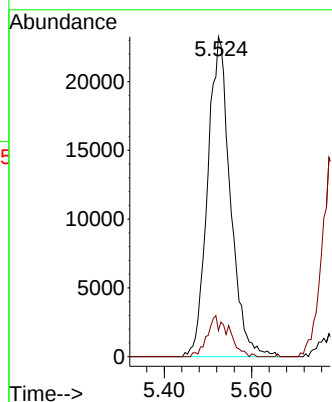
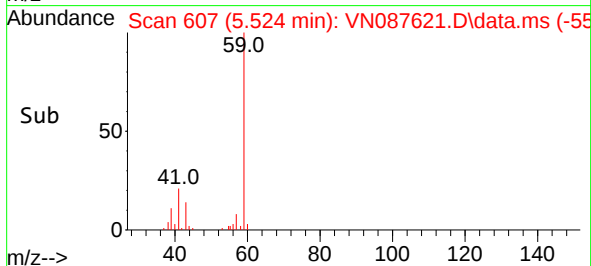
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020



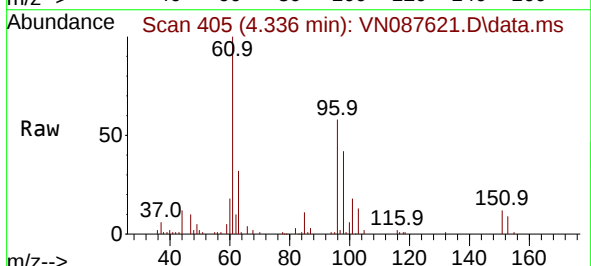
Tgt Ion: 59 Resp: 84156
Ion Ratio Lower Upper
59 100
57 12.1 9.0 13.4

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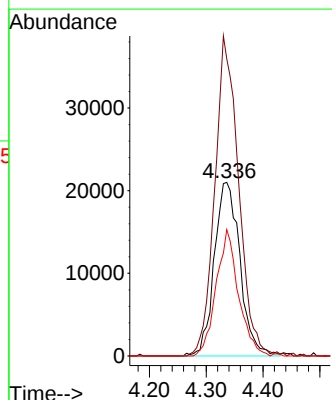
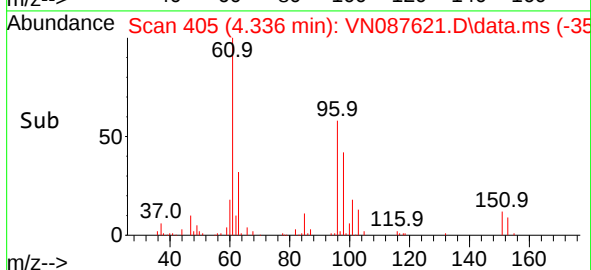
Reviewed By :John Carlone 08/22/2025
Supervised By :Mahesh Dadoda 08/25/2025

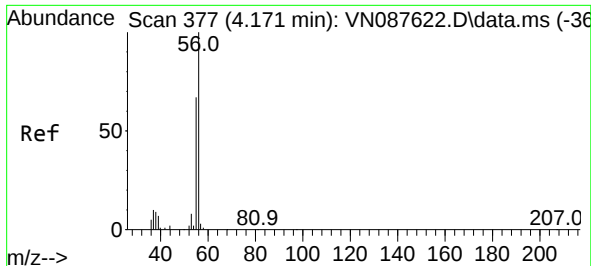


#12
1,1-Dichloroethene
Concen: 20.259 ug/l
RT: 4.336 min Scan# 405
Delta R.T. 0.000 min
Lab File: VN087621.D
Acq: 21 Aug 2025 13:41



Tgt Ion: 96 Resp: 65870
Ion Ratio Lower Upper
96 100
61 171.2 143.8 215.8
98 72.7 52.1 78.1





#13

Acrolein

Concen: 90.522 ug/l

RT: 4.171 min Scan# 31

Delta R.T. 0.000 min

Lab File: VN087621.D

Acq: 21 Aug 2025 13:41

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC020

Tgt Ion: 56 Resp: 8926

Ion Ratio Lower Upper

56 100

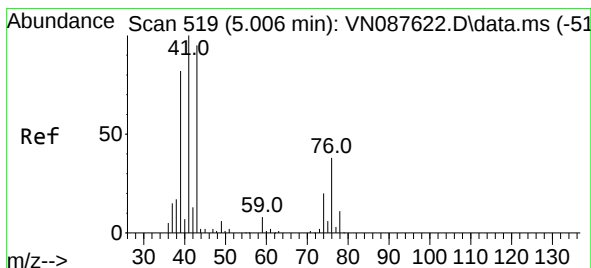
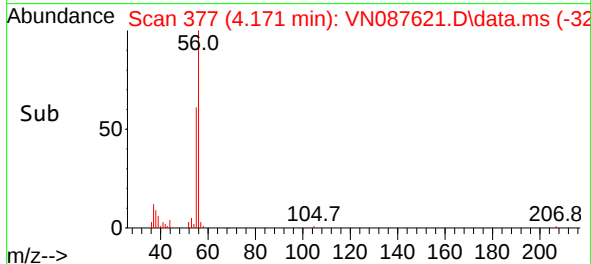
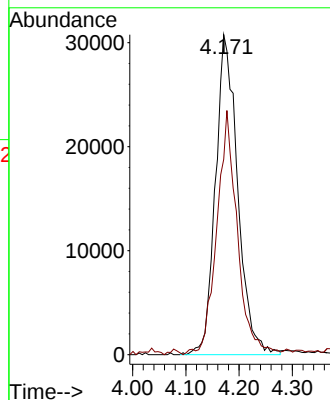
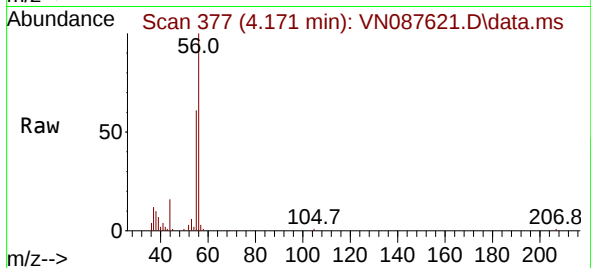
55 70.6 57.3 85.9

Manual Integrations

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Reviewed By :John Carlone 08/22/2025

Supervised By :Mahesh Dadoda 08/25/2025



#14

Allyl chloride

Concen: 19.202 ug/l

RT: 5.012 min Scan# 520

Delta R.T. 0.006 min

Lab File: VN087621.D

Acq: 21 Aug 2025 13:41

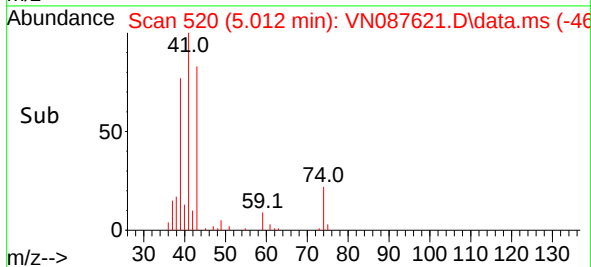
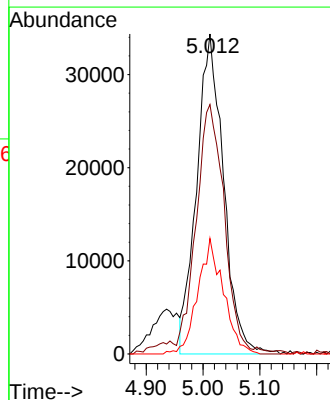
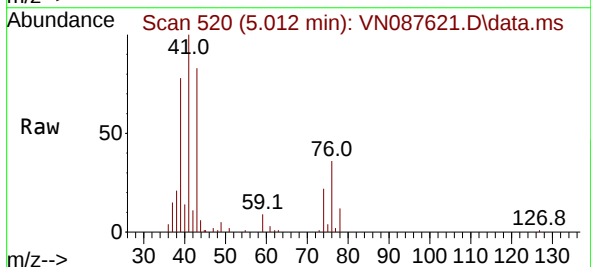
Tgt Ion: 41 Resp: 113139

Ion Ratio Lower Upper

41 100

39 84.1 63.9 95.9

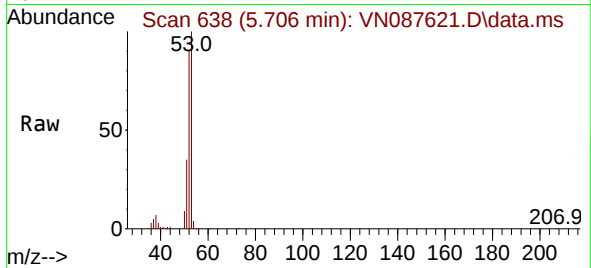
76 34.4 28.1 42.1





#15
Acrylonitrile
Concen: 101.673 ug/l
RT: 5.706 min Scan# 61
Delta R.T. 0.000 min
Lab File: VN087621.D
Acq: 21 Aug 2025 13:41

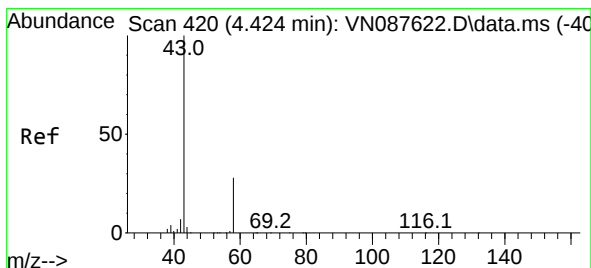
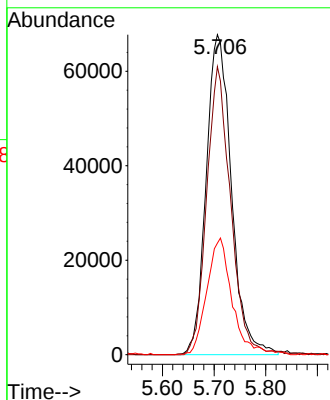
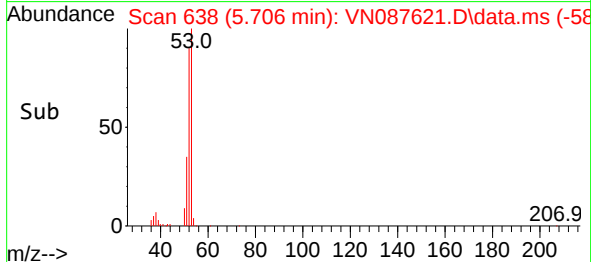
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020



Tgt Ion: 53 Resp: 230008
Ion Ratio Lower Upper
53 100
52 85.0 67.6 101.4
51 36.6 30.1 45.1

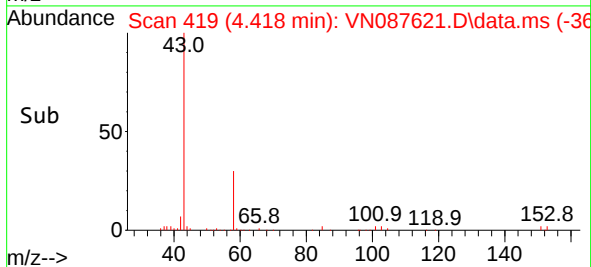
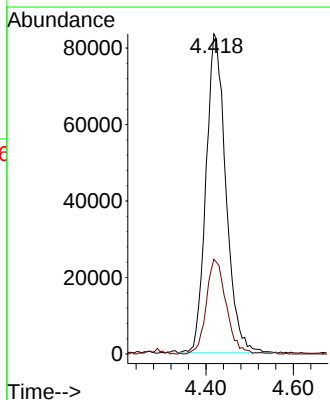
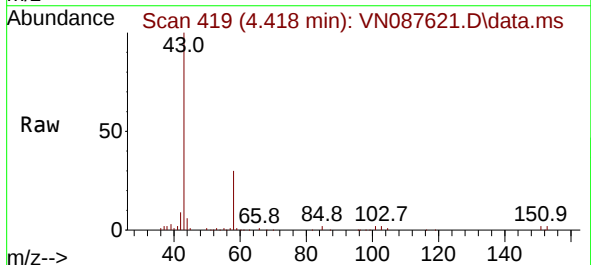
Manual Integrations
APPROVED

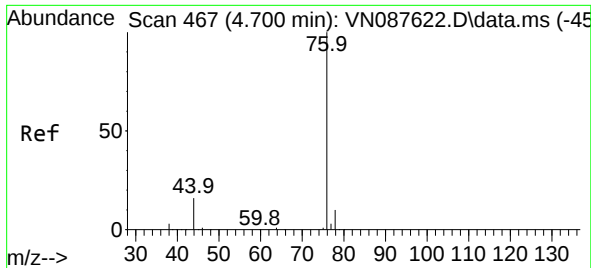
Reviewed By :John Carlone 08/22/2025
Supervised By :Mahesh Dadoda 08/25/2025



#16
Acetone
Concen: 104.700 ug/l
RT: 4.418 min Scan# 419
Delta R.T. -0.006 min
Lab File: VN087621.D
Acq: 21 Aug 2025 13:41

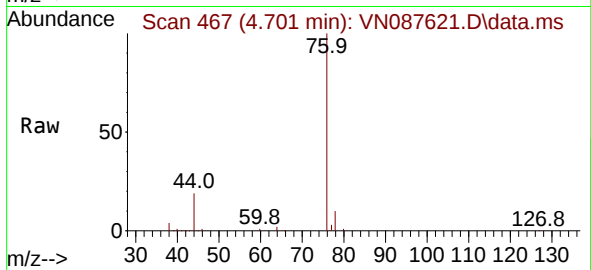
Tgt Ion: 43 Resp: 263348
Ion Ratio Lower Upper
43 100
58 29.7 22.6 33.8





#17
Carbon Disulfide
Concen: 19.857 ug/l
RT: 4.701 min Scan# 40
Delta R.T. 0.000 min
Lab File: VN087621.D
Acq: 21 Aug 2025 13:41

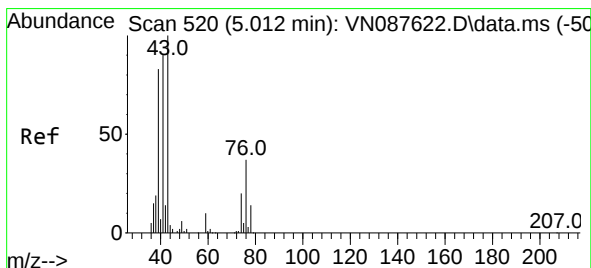
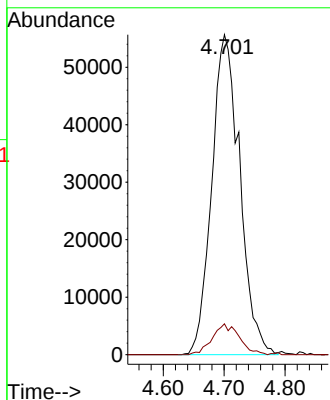
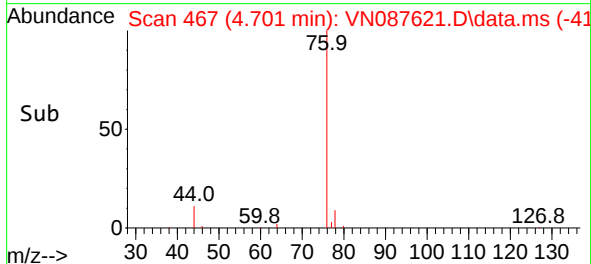
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020



Tgt Ion: 76 Resp: 177734
Ion Ratio Lower Upper
76 100
78 9.7 7.6 11.4

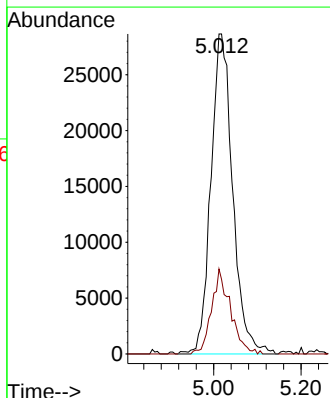
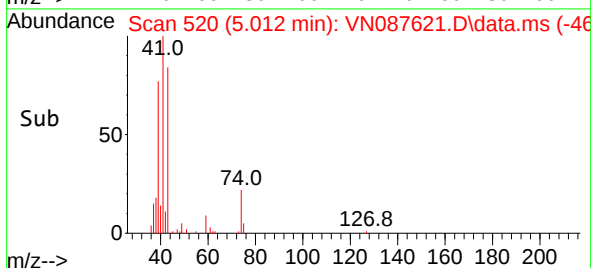
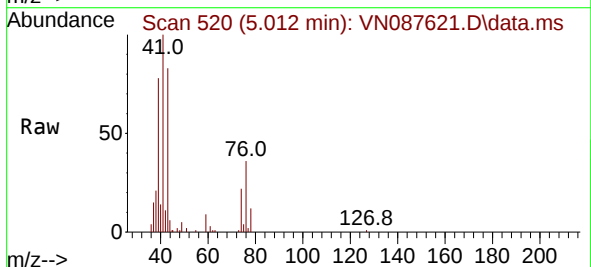
Manual Integrations
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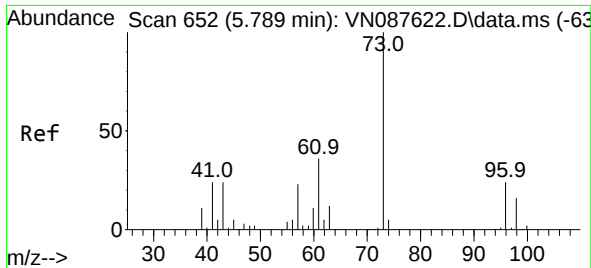
Reviewed By :John Carlone 08/22/2025
Supervised By :Mahesh Dadoda 08/25/2025



#18
Methyl Acetate
Concen: 18.789 ug/l
RT: 5.012 min Scan# 520
Delta R.T. 0.000 min
Lab File: VN087621.D
Acq: 21 Aug 2025 13:41

Tgt Ion: 43 Resp: 98949
Ion Ratio Lower Upper
43 100
74 23.2 17.6 26.4





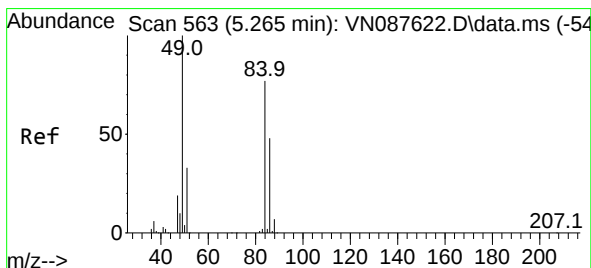
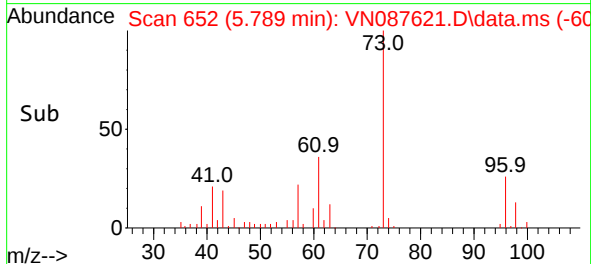
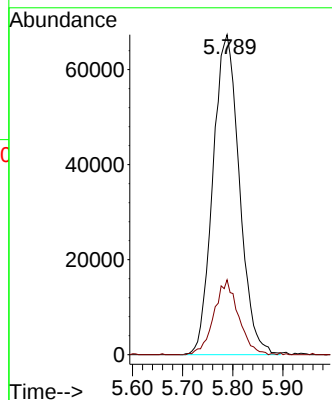
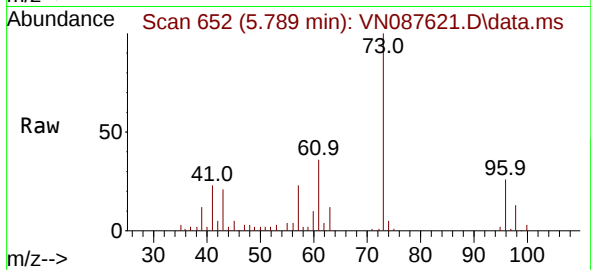
#19
Methyl tert-butyl Ether
Concen: 20.264 ug/l
RT: 5.789 min Scan# 652
Delta R.T. 0.000 min
Lab File: VN087621.D
Acq: 21 Aug 2025 13:41

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion: 73 Resp: 24715
Ion Ratio Lower Upper
73 100
57 23.4 18.4 27.6

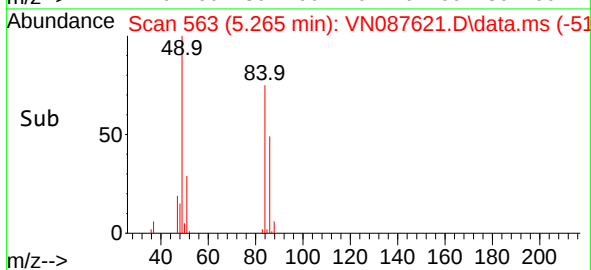
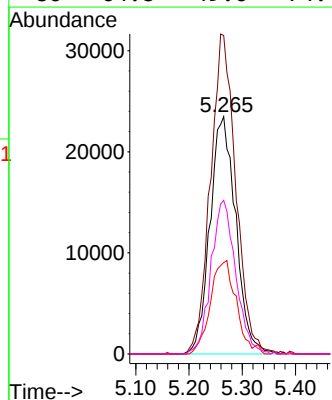
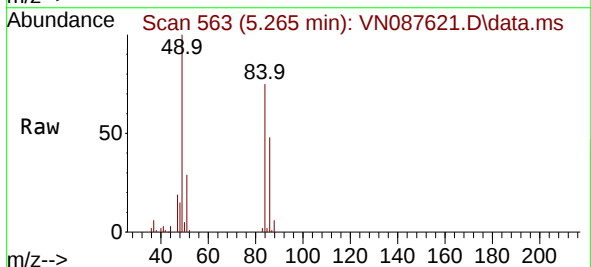
Manual Integrations
APPROVED

Reviewed By :John Carlone 08/22/2025
Supervised By :Mahesh Dadoda 08/25/2025



#20
Methylene Chloride
Concen: 20.972 ug/l
RT: 5.265 min Scan# 563
Delta R.T. 0.000 min
Lab File: VN087621.D
Acq: 21 Aug 2025 13:41

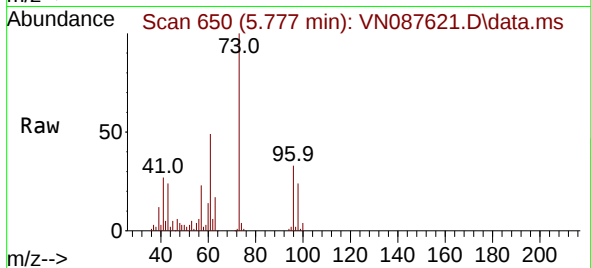
Tgt Ion: 84 Resp: 78920
Ion Ratio Lower Upper
84 100
49 134.2 103.4 155.2
51 38.5 33.8 50.8
86 64.8 49.6 74.4





#21
trans-1,2-Dichloroethene
Concen: 19.672 ug/l
RT: 5.777 min Scan# 61
Delta R.T. 0.000 min
Lab File: VN087621.D
Acq: 21 Aug 2025 13:41

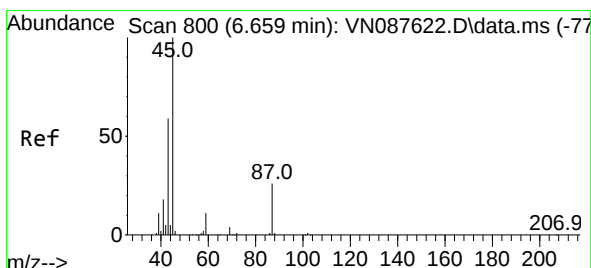
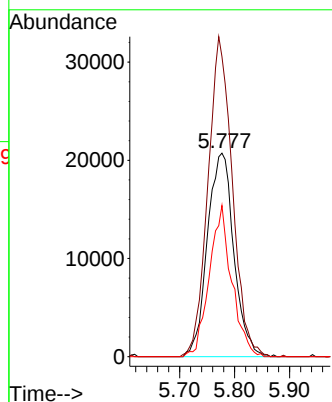
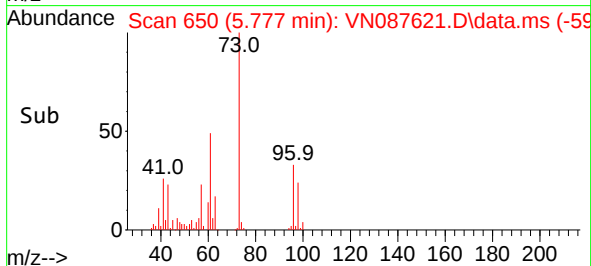
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020



Tgt Ion: 96 Resp: 6932
Ion Ratio Lower Upper
96 100
61 147.4 118.0 177.0
98 74.3 50.0 75.0

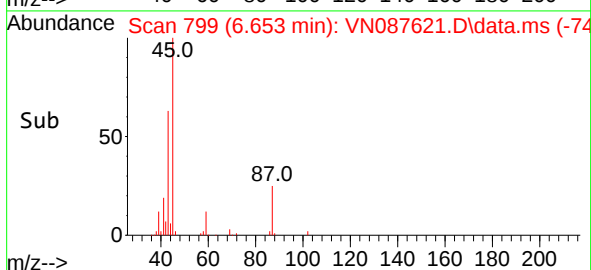
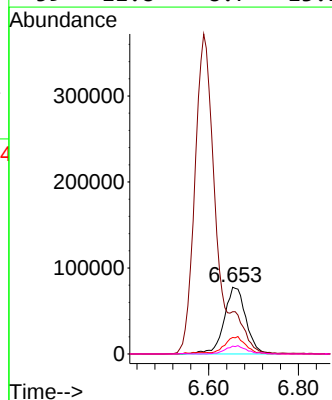
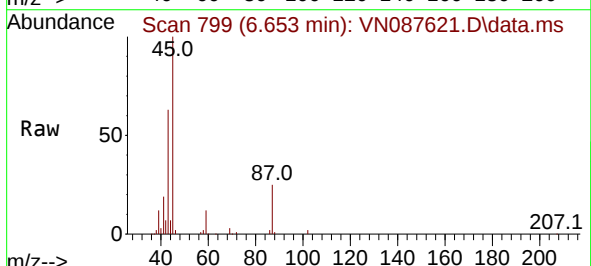
Manual Integrations
APPROVED

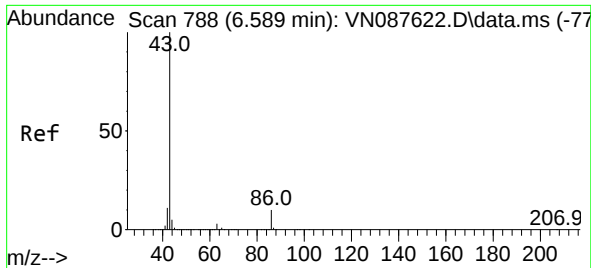
Reviewed By :John Carlone 08/22/2025
Supervised By :Mahesh Dadoda 08/25/2025



#22
Diisopropyl ether
Concen: 20.597 ug/l
RT: 6.653 min Scan# 799
Delta R.T. -0.006 min
Lab File: VN087621.D
Acq: 21 Aug 2025 13:41

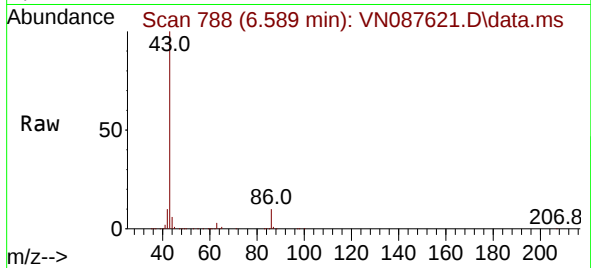
Tgt Ion: 45 Resp: 261888
Ion Ratio Lower Upper
45 100
43 62.1 47.7 71.5
87 24.7 21.4 32.0
59 11.8 8.7 13.1





#23
 Vinyl Acetate
 Concen: 96.845 ug/l
 RT: 6.589 min Scan# 71
 Delta R.T. 0.000 min
 Lab File: VN087621.D
 Acq: 21 Aug 2025 13:41

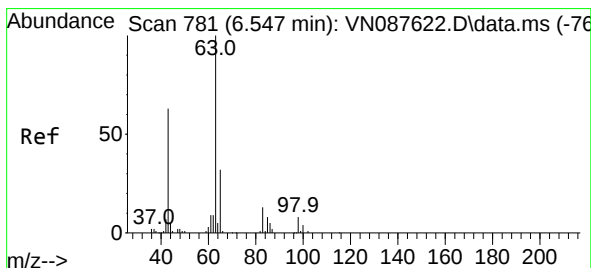
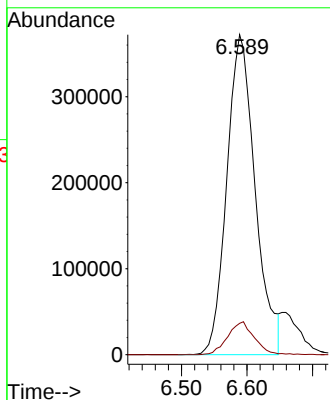
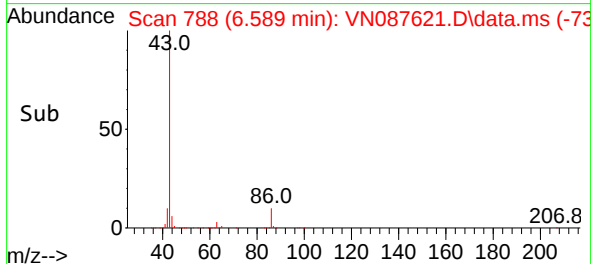
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC020



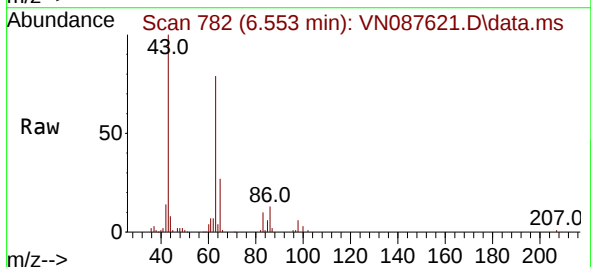
Tgt Ion: 43 Resp: 1120284
 Ion Ratio Lower Upper
 43 100
 86 9.8 8.2 12.4

Manual Integrations
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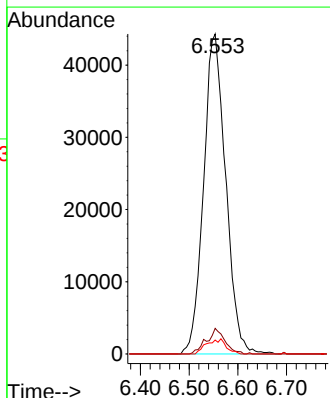
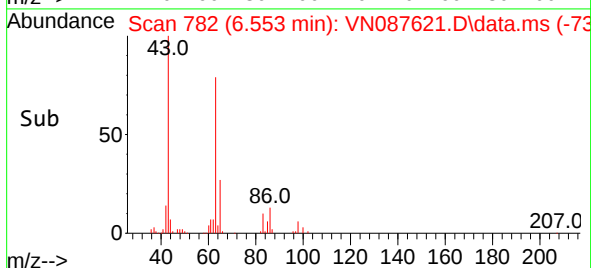
Reviewed By :John Carlone 08/22/2025
 Supervised By :Mahesh Dadoda 08/25/2025

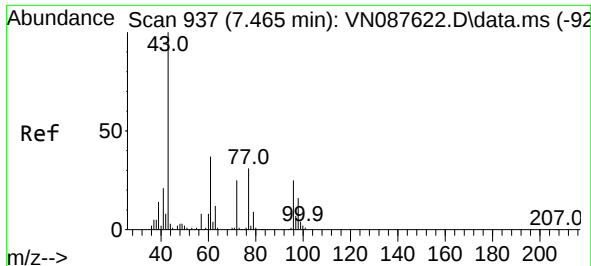


#24
 1,1-Dichloroethane
 Concen: 20.048 ug/l
 RT: 6.553 min Scan# 782
 Delta R.T. 0.006 min
 Lab File: VN087621.D
 Acq: 21 Aug 2025 13:41



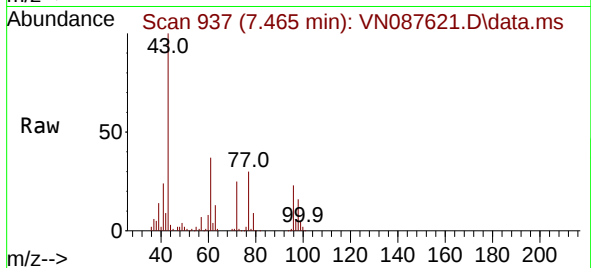
Tgt Ion: 63 Resp: 139765
 Ion Ratio Lower Upper
 63 100
 98 8.0 3.8 11.4
 100 4.3 2.0 6.0





#25
2-Butanone
Concen: 103.210 ug/l
RT: 7.465 min Scan# 91
Delta R.T. 0.000 min
Lab File: VN087621.D
Acq: 21 Aug 2025 13:41

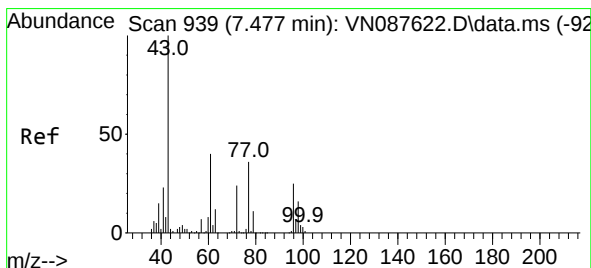
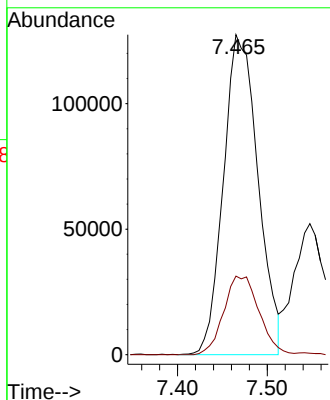
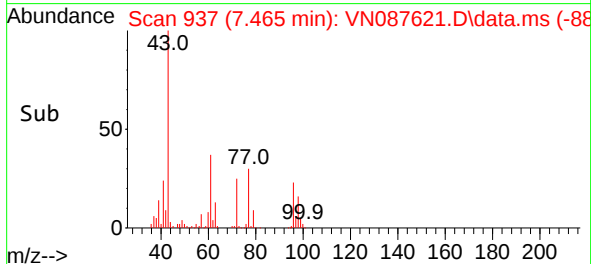
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020



Tgt Ion: 43 Resp: 341538
Ion Ratio Lower Upper
43 100
72 24.6 19.9 29.9

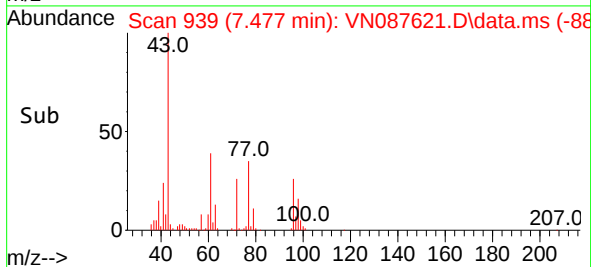
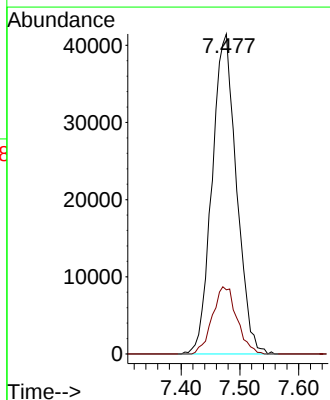
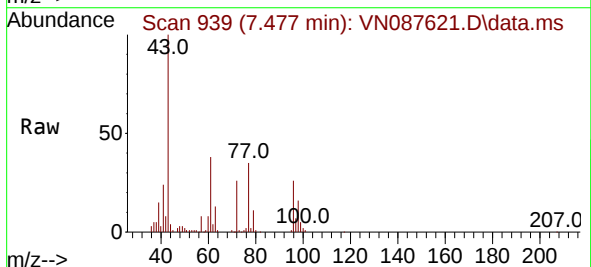
Manual Integrations
APPROVED

Reviewed By :John Carlone 08/22/2025
Supervised By :Mahesh Dadoda 08/25/2025



#26
2,2-Dichloropropane
Concen: 19.991 ug/l
RT: 7.477 min Scan# 939
Delta R.T. 0.000 min
Lab File: VN087621.D
Acq: 21 Aug 2025 13:41

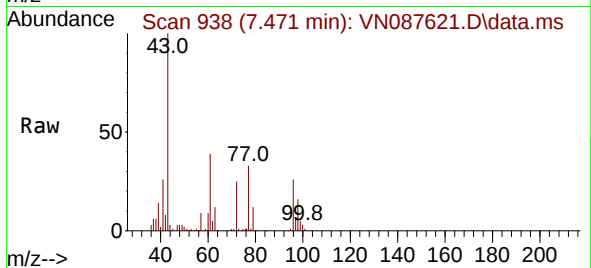
Tgt Ion: 77 Resp: 119616
Ion Ratio Lower Upper
77 100
97 21.1 10.9 32.7





#27
 cis-1,2-Dichloroethene
 Concen: 20.059 ug/l
 RT: 7.471 min Scan# 938
 Delta R.T. 0.006 min
 Lab File: VN087621.D
 Acq: 21 Aug 2025 13:41

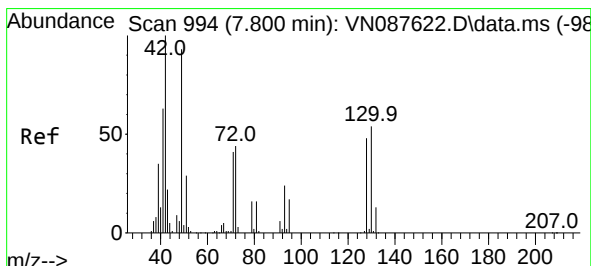
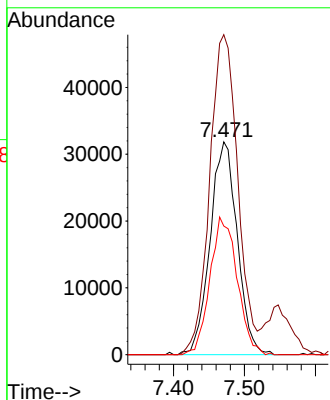
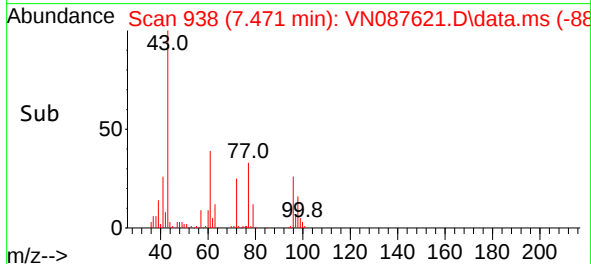
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020



Tgt Ion: 96 Resp: 8450
 Ion Ratio Lower Upper
 96 100
 61 155.6 0.0 301.8
 98 64.9 0.0 126.2

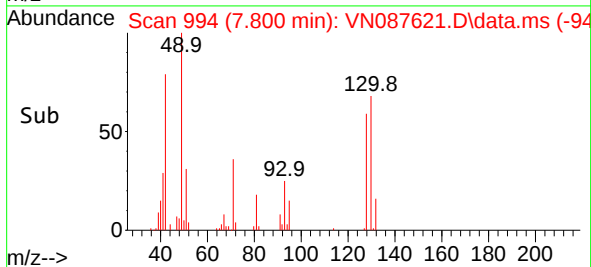
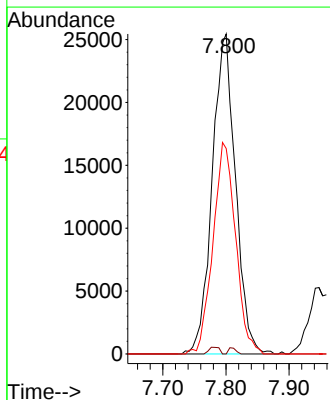
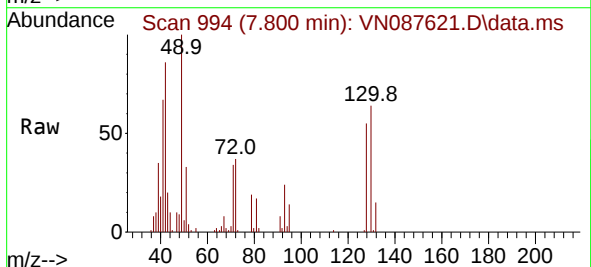
Manual Integrations
 APPROVED

Reviewed By :John Carlone 08/22/2025
 Supervised By :Mahesh Dadoda 08/25/2025



#28
 Bromochloromethane
 Concen: 19.338 ug/l
 RT: 7.800 min Scan# 994
 Delta R.T. 0.000 min
 Lab File: VN087621.D
 Acq: 21 Aug 2025 13:41

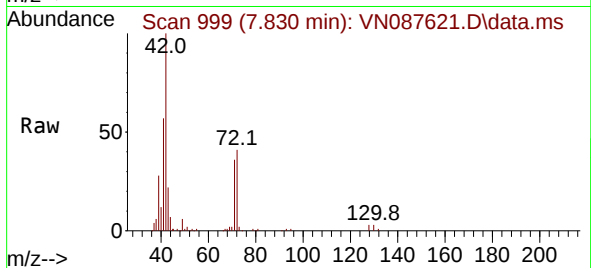
Tgt Ion: 49 Resp: 65173
 Ion Ratio Lower Upper
 49 100
 129 0.6 0.0 3.0
 130 64.3 53.1 79.7





#29
Tetrahydrofuran
Concen: 101.354 ug/l
RT: 7.830 min Scan# 998
Delta R.T. 0.006 min
Lab File: VN087621.D
Acq: 21 Aug 2025 13:41

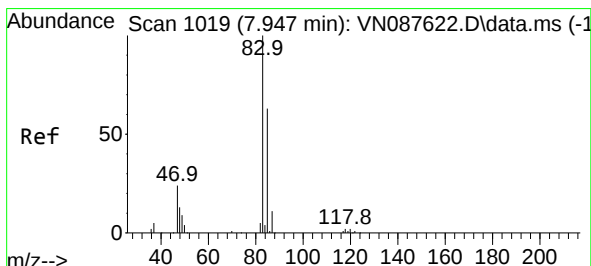
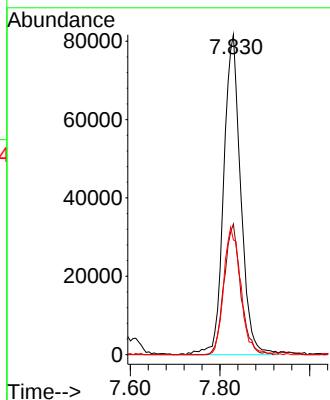
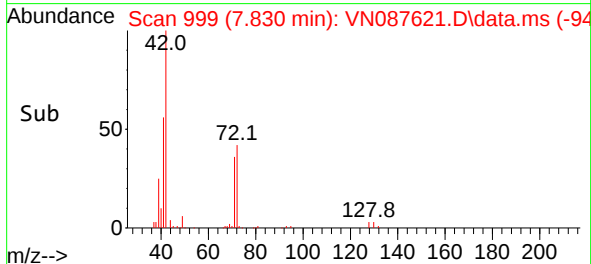
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020



Tgt Ion: 42 Resp: 21584
Ion Ratio Lower Upper
42 100
72 39.9 33.7 50.5
71 39.8 31.9 47.9

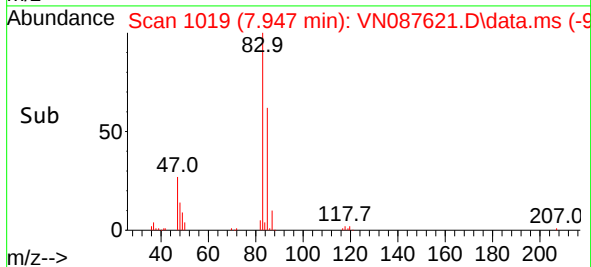
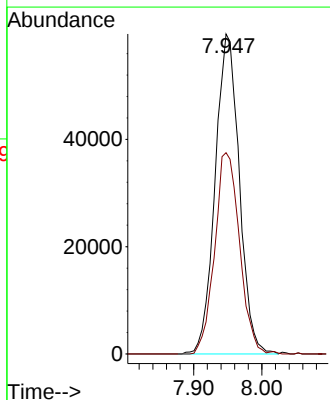
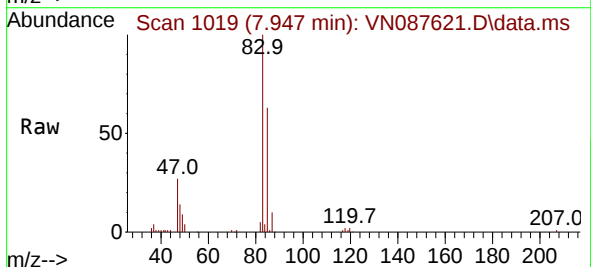
Manual Integrations
APPROVED

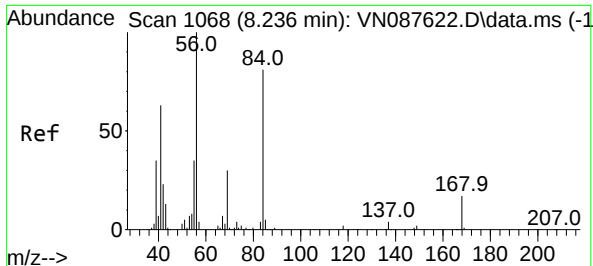
Reviewed By :John Carlone 08/22/2025
Supervised By :Mahesh Dadoda 08/25/2025



#30
Chloroform
Concen: 20.647 ug/l
RT: 7.947 min Scan# 1019
Delta R.T. 0.000 min
Lab File: VN087621.D
Acq: 21 Aug 2025 13:41

Tgt Ion: 83 Resp: 146915
Ion Ratio Lower Upper
83 100
85 62.9 50.7 76.1





#31

Cyclohexane

Concen: 20.337 ug/l

RT: 8.241 min Scan# 1068

Delta R.T. 0.006 min

Lab File: VN087621.D

Acq: 21 Aug 2025 13:41

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC020

Tgt Ion: 56 Resp: 118194

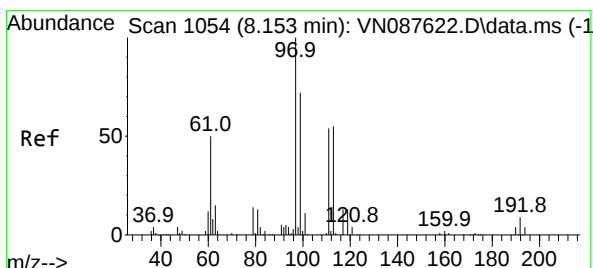
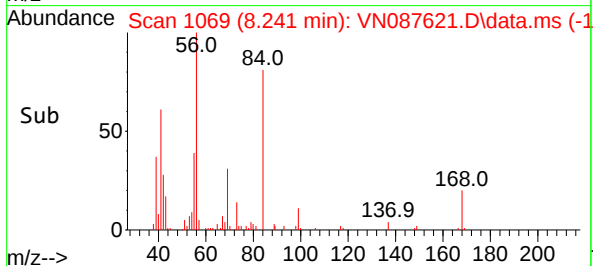
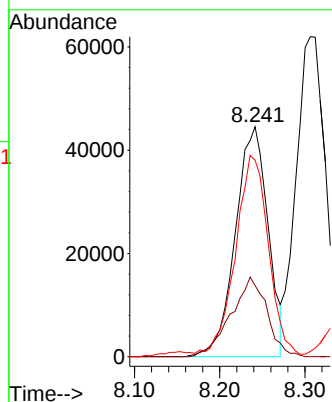
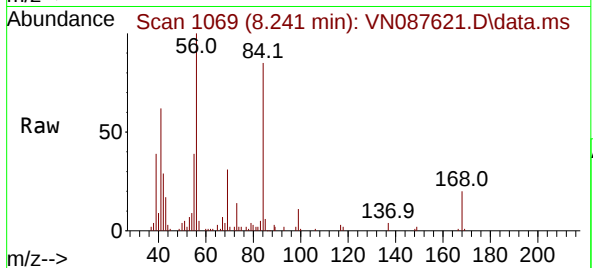
Ion	Ratio	Lower	Upper
56	100		
69	30.5	23.7	35.5
84	83.2	64.7	97.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 08/22/2025

Supervised By :Mahesh Dadoda 08/25/2025



#32

1,1,1-Trichloroethane

Concen: 20.336 ug/l

RT: 8.147 min Scan# 1053

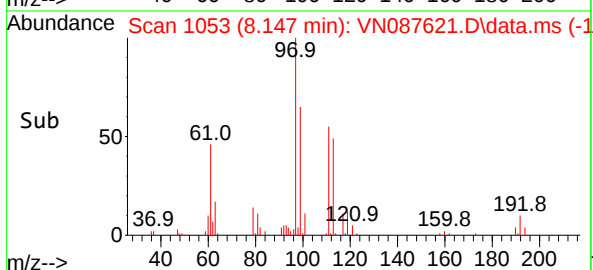
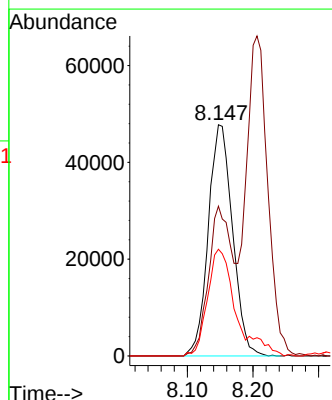
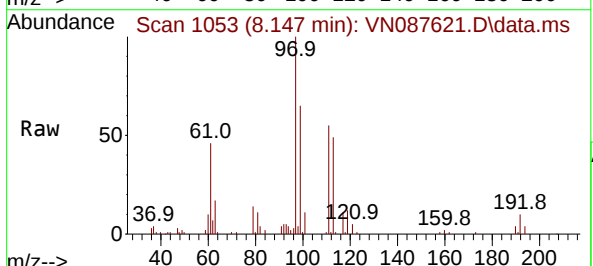
Delta R.T. -0.006 min

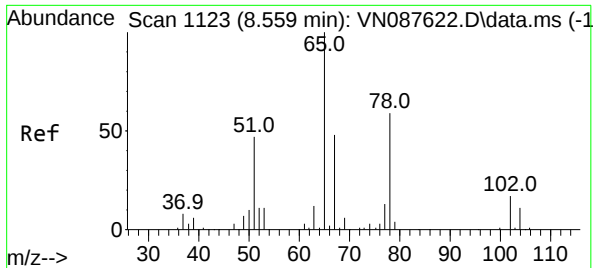
Lab File: VN087621.D

Acq: 21 Aug 2025 13:41

Tgt Ion: 97 Resp: 122634

Ion	Ratio	Lower	Upper
97	100		
99	65.2	52.2	78.2
61	53.9	41.2	61.8





#33
1,2-Dichloroethane-d4
Concen: 19.826 ug/l
RT: 8.559 min Scan# 1123
Delta R.T. 0.000 min
Lab File: VN087621.D
Acq: 21 Aug 2025 13:41

Instrument :

MSVOA_N

ClientSampleId :

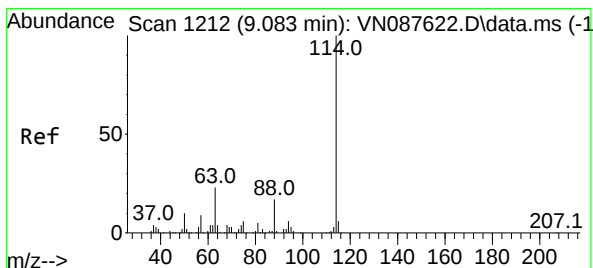
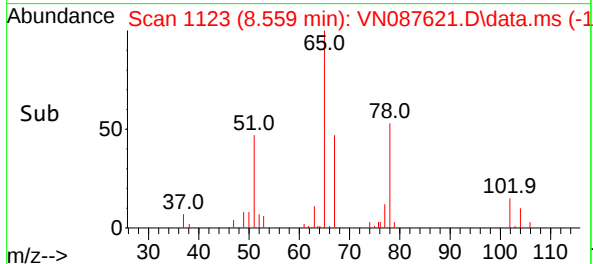
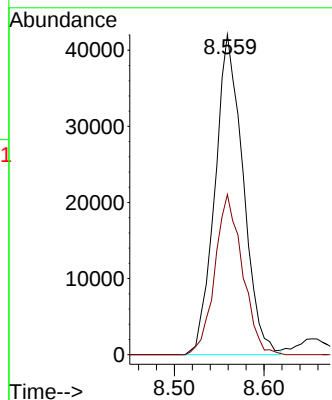
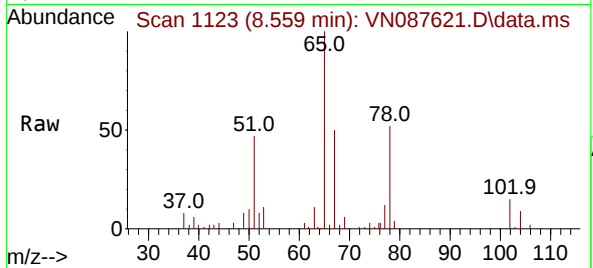
VSTDIC020

Tgt Ion: 65 Resp: 9160
Ion Ratio Lower Upper
65 100
67 49.1 0.0 100.0

Manual Integrations

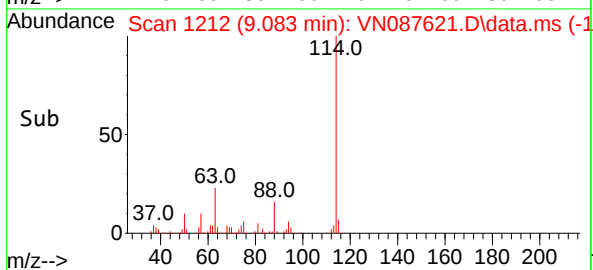
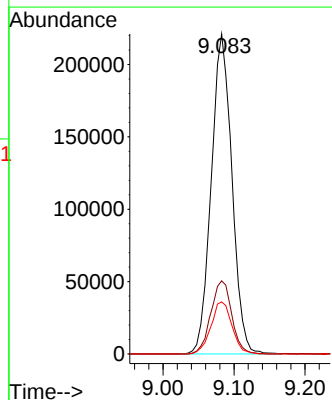
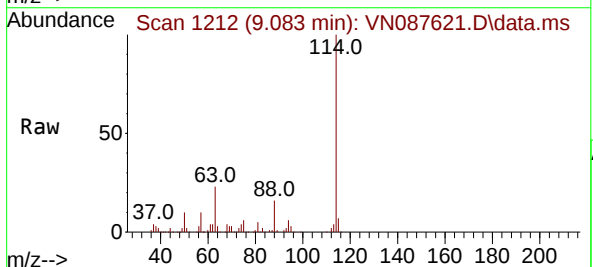
APPROVED

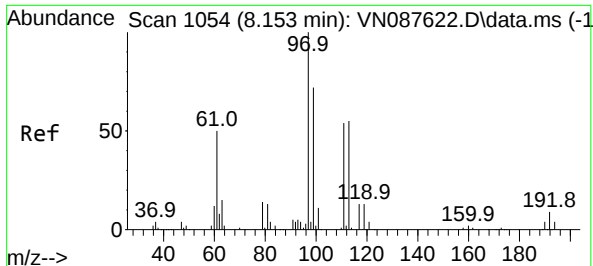
Reviewed By :John Carlone 08/22/2025
Supervised By :Mahesh Dadoda 08/25/2025



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.083 min Scan# 1212
Delta R.T. 0.000 min
Lab File: VN087621.D
Acq: 21 Aug 2025 13:41

Tgt Ion:114 Resp: 446006
Ion Ratio Lower Upper
114 100
63 22.9 0.0 45.2
88 16.3 0.0 33.4





#35

Dibromofluoromethane

Concen: 19.041 ug/l

RT: 8.153 min Scan# 1054

Delta R.T. 0.000 min

Lab File: VN087621.D

Acq: 21 Aug 2025 13:41

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

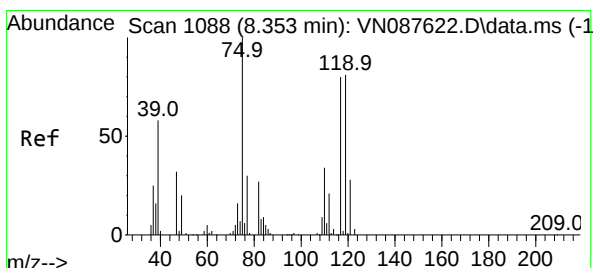
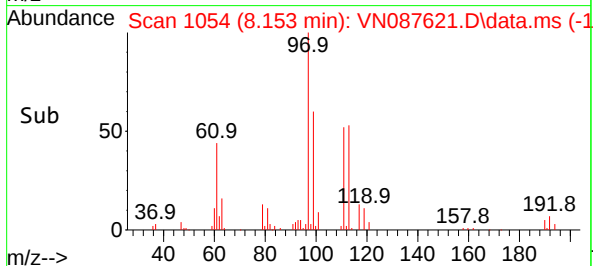
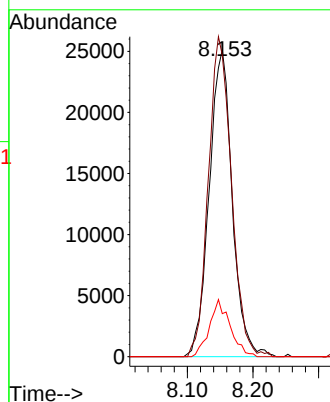
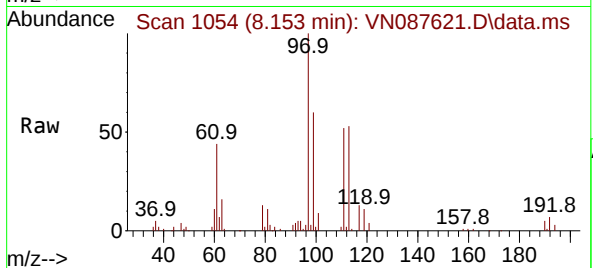
Tgt Ion:	113	Resp:	6131
Ion Ratio	Lower	Upper	
113	100		
111	104.5	82.8	124.2
192	16.8	12.8	19.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 08/22/2025

Supervised By :Mahesh Dadoda 08/25/2025



#36

1,1-Dichloropropene

Concen: 19.863 ug/l

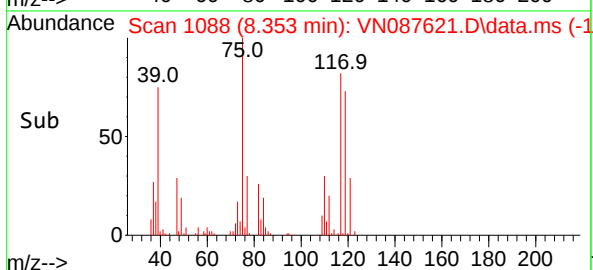
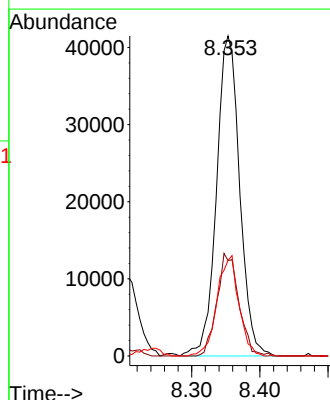
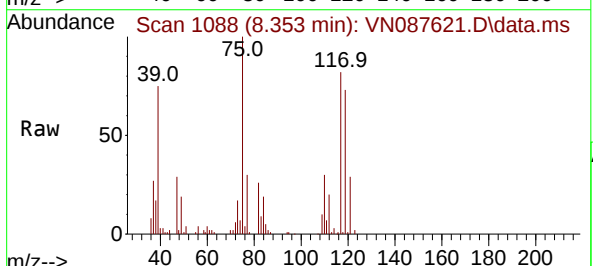
RT: 8.353 min Scan# 1088

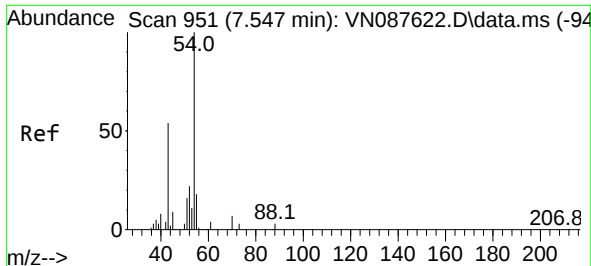
Delta R.T. 0.000 min

Lab File: VN087621.D

Acq: 21 Aug 2025 13:41

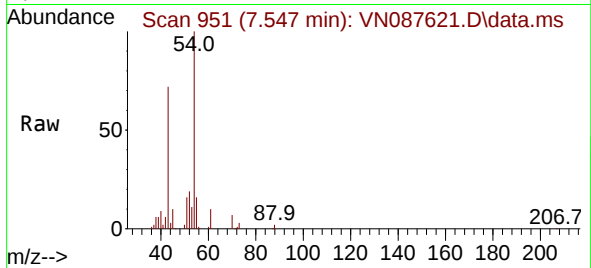
Tgt Ion:	75	Resp:	98127
Ion Ratio	Lower	Upper	
75	100		
110	30.3	15.9	47.6
77	29.5	24.4	36.6





#37
Ethyl Acetate
Concen: 20.101 ug/l
RT: 7.547 min Scan# 951
Delta R.T. 0.000 min
Lab File: VN087621.D
Acq: 21 Aug 2025 13:41

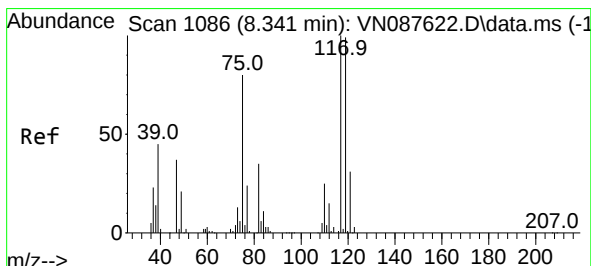
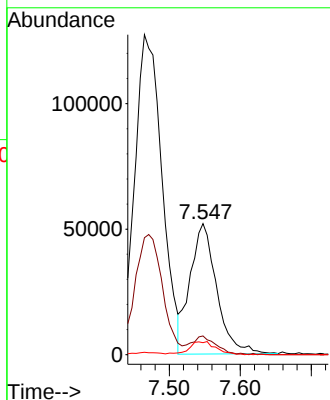
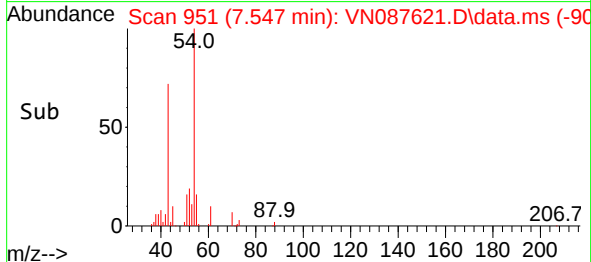
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020



Tgt Ion: 43 Resp: 13569
Ion Ratio Lower Upper
43 100
61 12.5 9.3 13.9
70 10.0 7.0 10.6

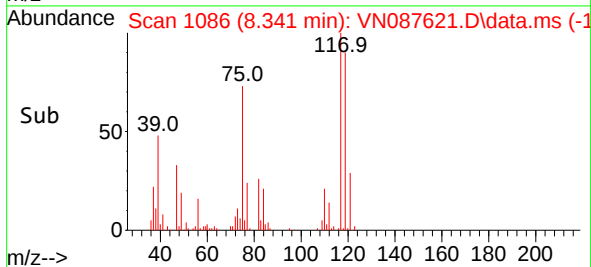
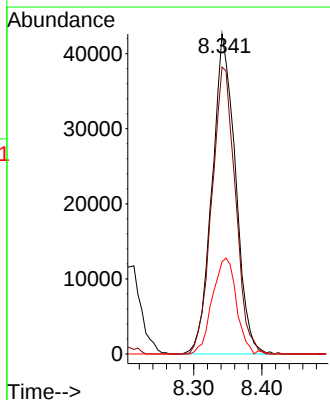
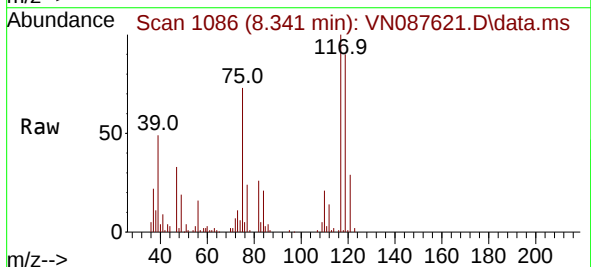
Manual Integrations
APPROVED

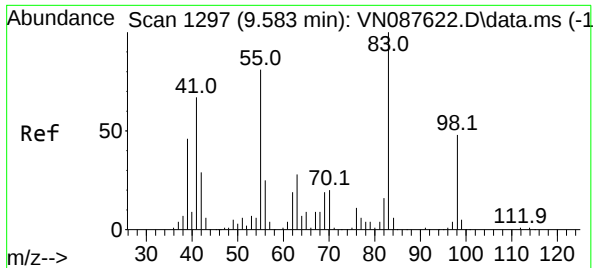
Reviewed By :John Carlone 08/22/2025
Supervised By :Mahesh Dadoda 08/25/2025



#38
Carbon Tetrachloride
Concen: 20.771 ug/l
RT: 8.341 min Scan# 1086
Delta R.T. 0.000 min
Lab File: VN087621.D
Acq: 21 Aug 2025 13:41

Tgt Ion:117 Resp: 101311
Ion Ratio Lower Upper
117 100
119 89.7 79.0 118.6
121 28.8 25.0 37.6





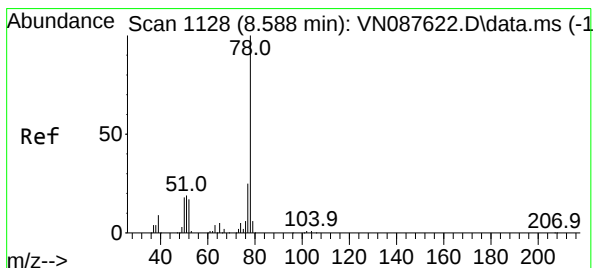
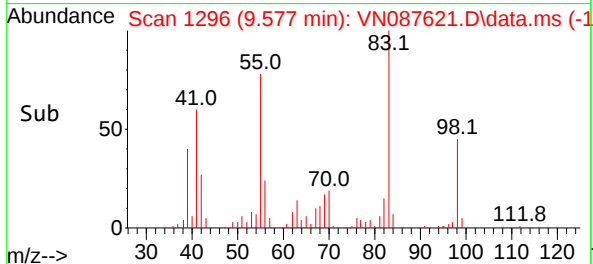
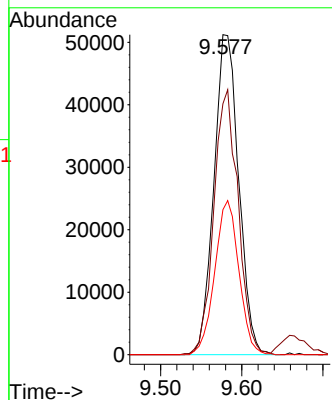
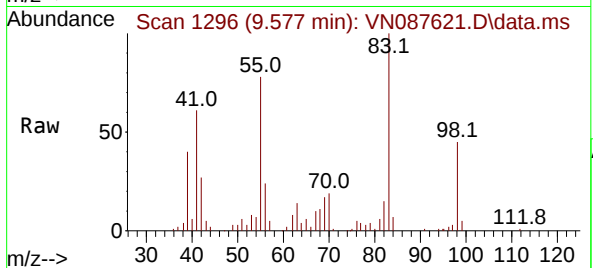
#39
Methylcyclohexane
Concen: 20.005 ug/l
RT: 9.577 min Scan# 1296
Delta R.T. -0.006 min
Lab File: VN087621.D
Acq: 21 Aug 2025 13:41

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tgt Ion: 83 Resp: 10880
Ion Ratio Lower Upper
83 100
55 78.4 64.6 96.8
98 45.3 38.4 57.6

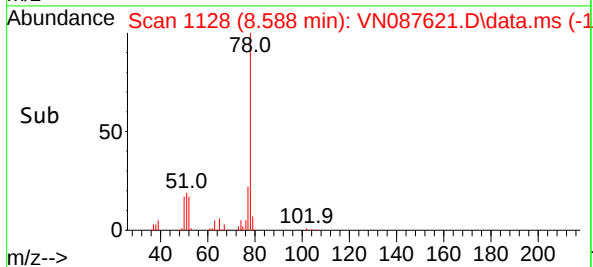
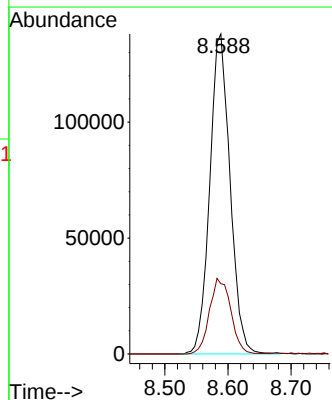
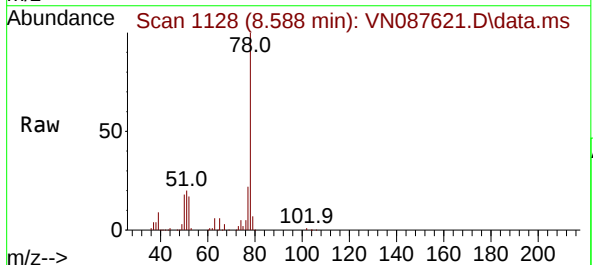
Manual Integrations
APPROVED

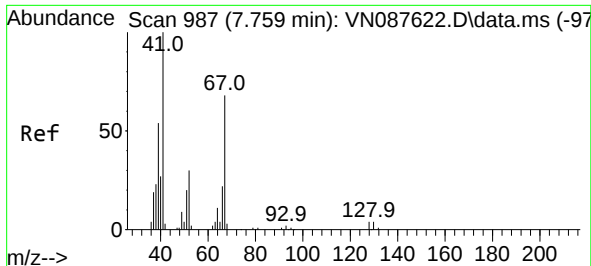
Reviewed By :John Carlone 08/22/2025
Supervised By :Mahesh Dadoda 08/25/2025



#40
Benzene
Concen: 20.338 ug/l
RT: 8.588 min Scan# 1128
Delta R.T. 0.000 min
Lab File: VN087621.D
Acq: 21 Aug 2025 13:41

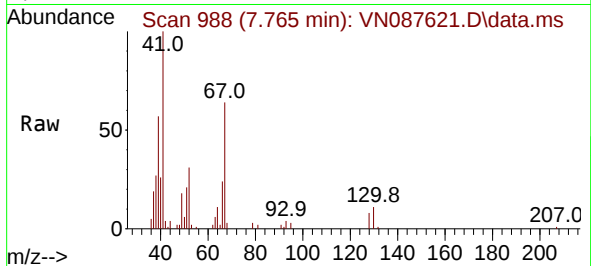
Tgt Ion: 78 Resp: 308160
Ion Ratio Lower Upper
78 100
77 22.0 19.7 29.5





#41
Methacrylonitrile
Concen: 19.811 ug/l
RT: 7.765 min Scan# 91
Delta R.T. 0.006 min
Lab File: VN087621.D
Acq: 21 Aug 2025 13:41

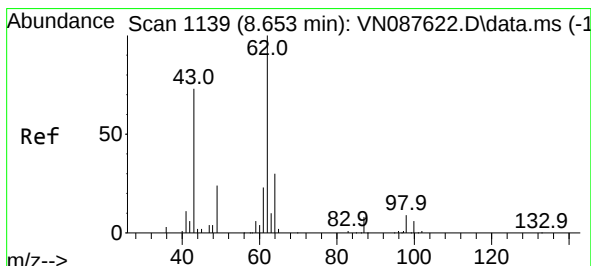
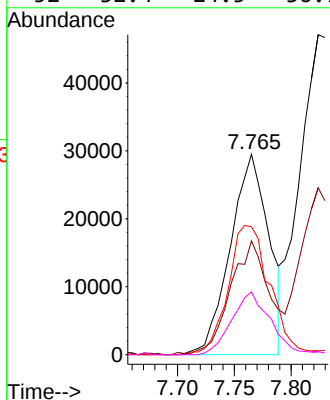
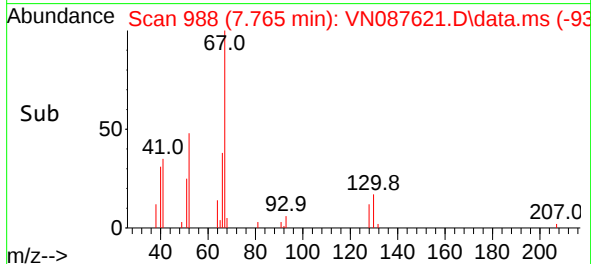
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020



Tgt Ion:	41	Resp:	69274
Ion Ratio	100	Lower	Upper
39	58.7	45.4	68.0
67	70.5	55.3	82.9
52	32.4	24.5	36.7

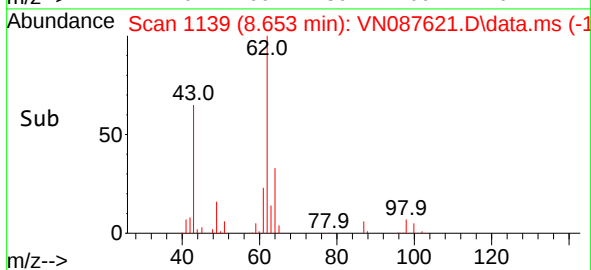
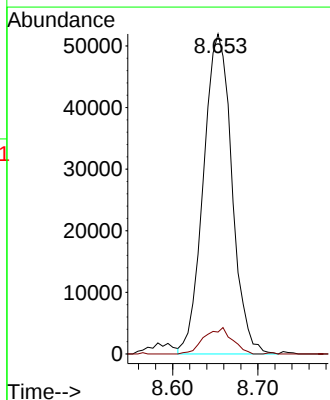
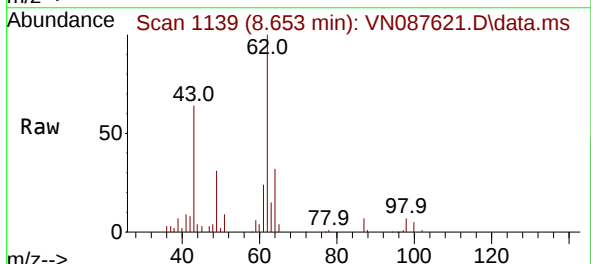
Manual Integrations
APPROVED

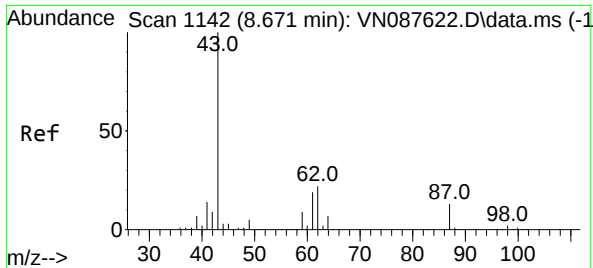
Reviewed By :John Carlone 08/22/2025
Supervised By :Mahesh Dadoda 08/25/2025



#42
1,2-Dichloroethane
Concen: 20.694 ug/l
RT: 8.653 min Scan# 1139
Delta R.T. 0.000 min
Lab File: VN087621.D
Acq: 21 Aug 2025 13:41

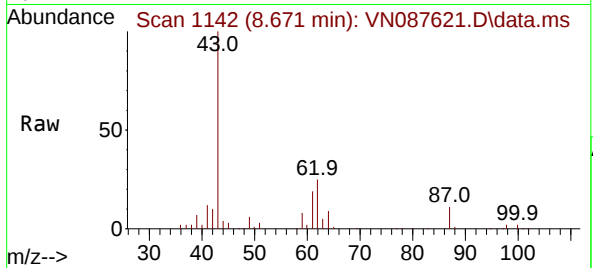
Tgt Ion:	62	Resp:	120495
Ion Ratio	100	Lower	Upper
98	8.1	0.0	17.4





#43
Isopropyl Acetate
Concen: 20.559 ug/l
RT: 8.671 min Scan# 1142
Delta R.T. 0.000 min
Lab File: VN087621.D
Acq: 21 Aug 2025 13:41

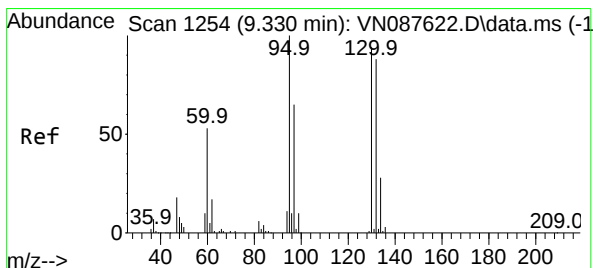
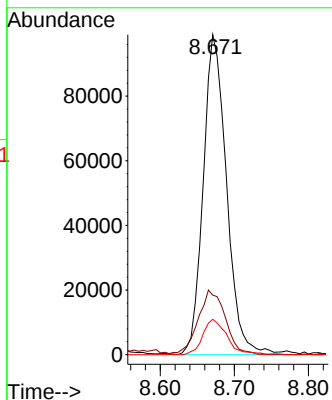
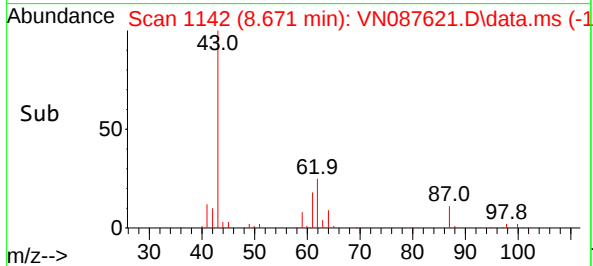
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020



Tgt Ion: 43 Resp: 216674
Ion Ratio Lower Upper
43 100
61 23.7 18.8 28.2
87 11.2 9.6 14.4

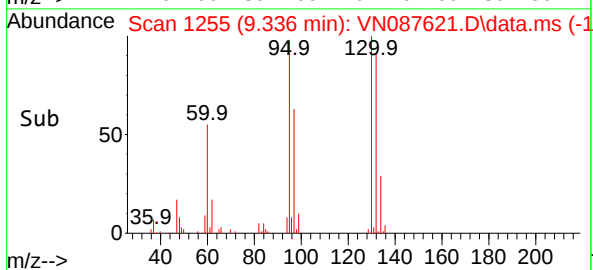
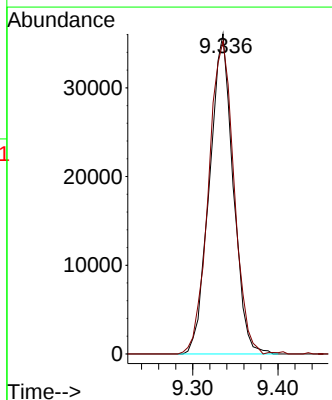
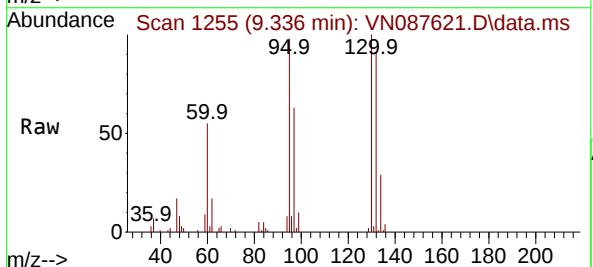
Manual Integrations
APPROVED

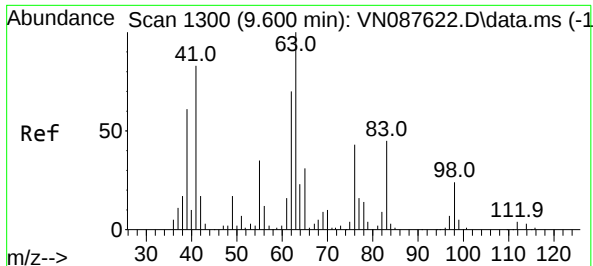
Reviewed By :John Carlone 08/22/2025
Supervised By :Mahesh Dadoda 08/25/2025



#44
Trichloroethene
Concen: 20.134 ug/l
RT: 9.336 min Scan# 1255
Delta R.T. 0.006 min
Lab File: VN087621.D
Acq: 21 Aug 2025 13:41

Tgt Ion:130 Resp: 69650
Ion Ratio Lower Upper
130 100
95 97.7 0.0 212.0





#45

1,2-Dichloropropane

Concen: 19.975 ug/l

RT: 9.600 min Scan# 1300

Delta R.T. 0.000 min

Lab File: VN087621.D

Acq: 21 Aug 2025 13:41

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tgt Ion: 63 Resp: 79779

Ion Ratio Lower Upper

63 100

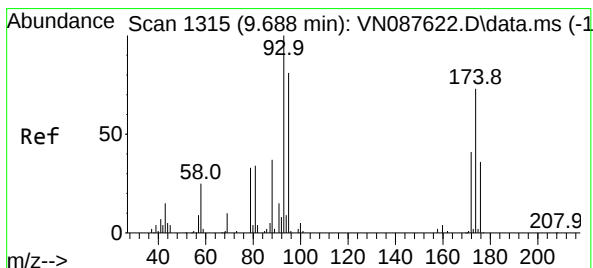
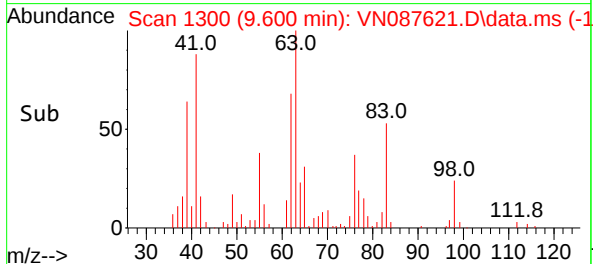
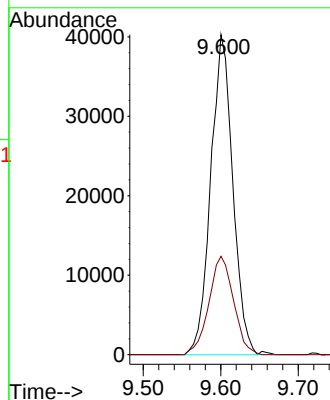
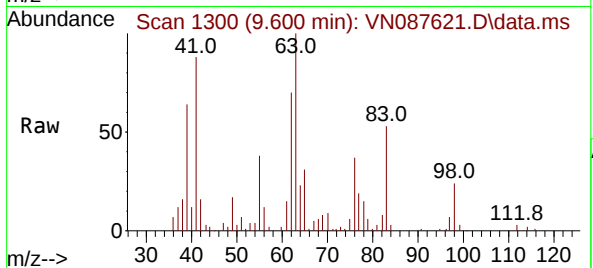
65 30.8 25.0 37.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 08/22/2025

Supervised By :Mahesh Dadoda 08/25/2025



#46

Dibromomethane

Concen: 20.551 ug/l

RT: 9.688 min Scan# 1315

Delta R.T. 0.000 min

Lab File: VN087621.D

Acq: 21 Aug 2025 13:41

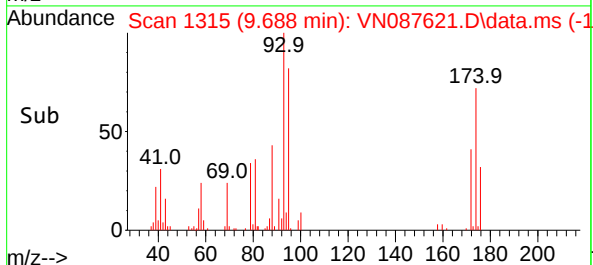
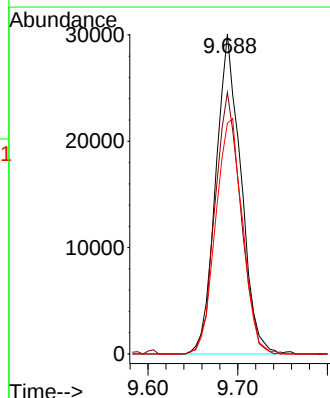
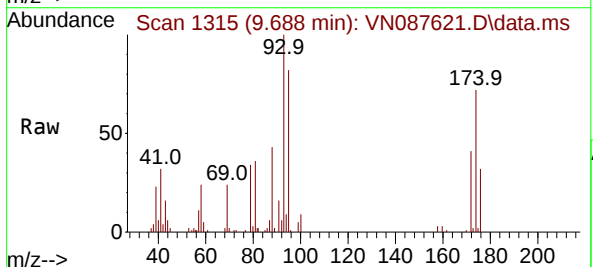
Tgt Ion: 93 Resp: 58410

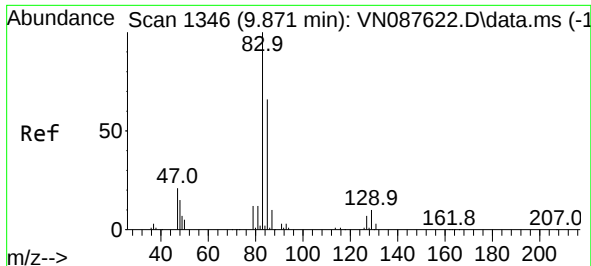
Ion Ratio Lower Upper

93 100

95 84.1 66.2 99.4

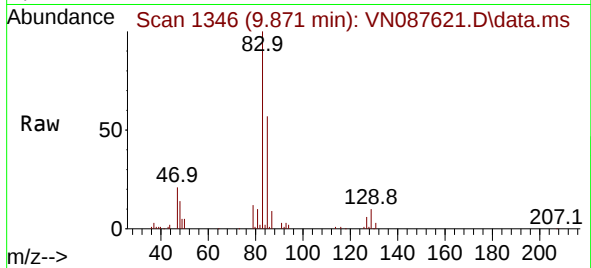
174 78.9 63.4 95.2





#47
Bromodichloromethane
Concen: 20.423 ug/l
RT: 9.871 min Scan# 1346
Delta R.T. 0.000 min
Lab File: VN087621.D
Acq: 21 Aug 2025 13:41

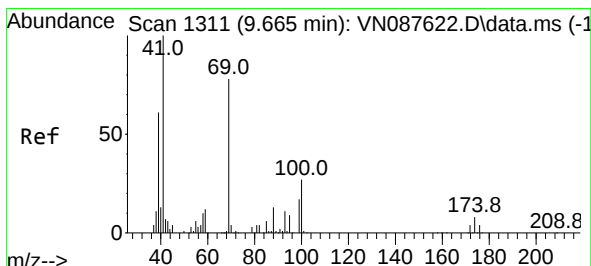
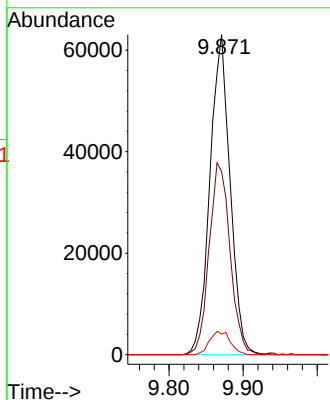
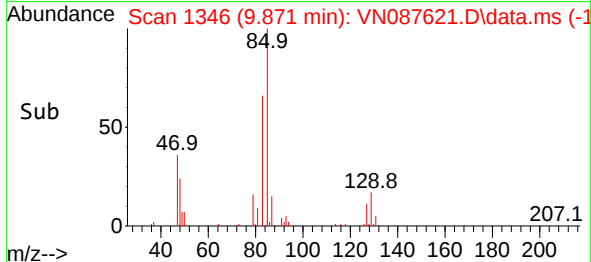
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020



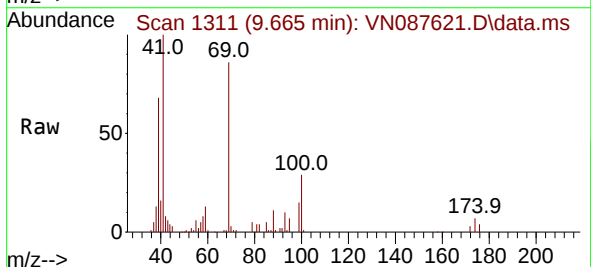
Tgt Ion: 83 Resp: 118959
Ion Ratio Lower Upper
83 100
85 57.2 52.5 78.7
127 6.5 5.8 8.6

Manual Integrations
APPROVED

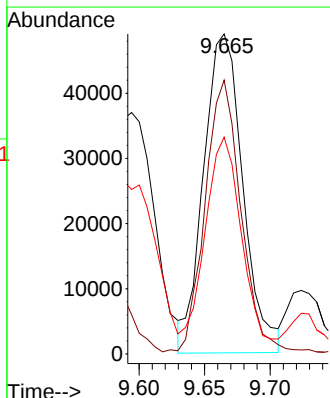
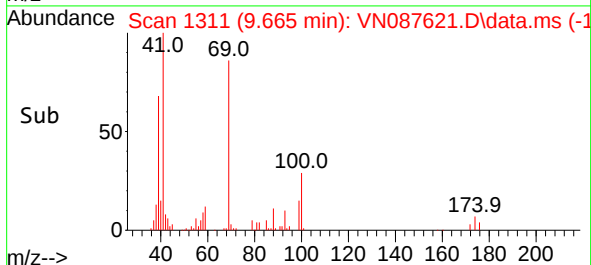
Reviewed By :John Carlone 08/22/2025
Supervised By :Mahesh Dadoda 08/25/2025

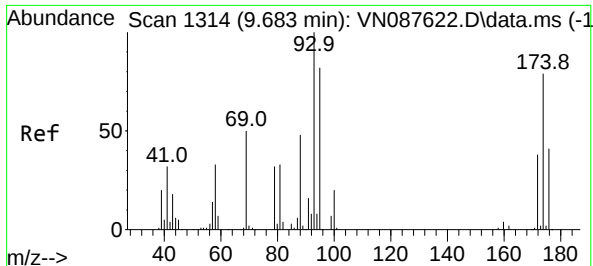


#48
Methyl methacrylate
Concen: 20.458 ug/l
RT: 9.665 min Scan# 1311
Delta R.T. 0.000 min
Lab File: VN087621.D
Acq: 21 Aug 2025 13:41



Tgt Ion: 41 Resp: 101988
Ion Ratio Lower Upper
41 100
69 78.2 62.7 94.1
39 65.2 52.9 79.3





#49

1,4-Dioxane

Concen: 452.929 ug/l

RT: 9.688 min Scan# 1315

Delta R.T. 0.006 min

Lab File: VN087621.D

Acq: 21 Aug 2025 13:41

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC020

Tgt Ion: 88 Resp: 29260

Ion Ratio Lower Upper

88 100

43 25.2 0.0 0.0

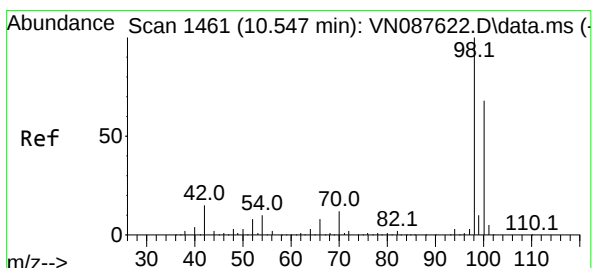
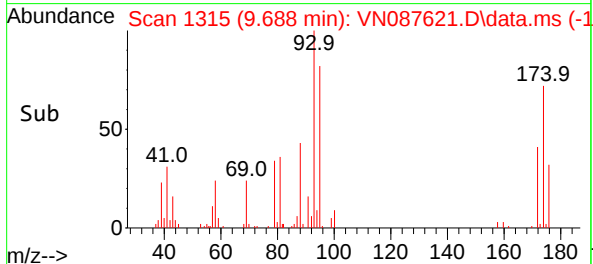
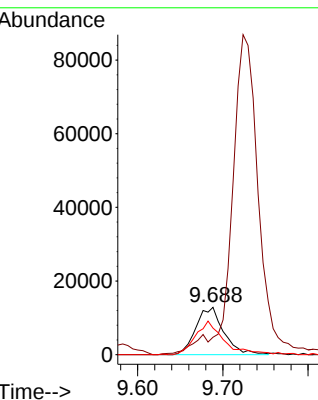
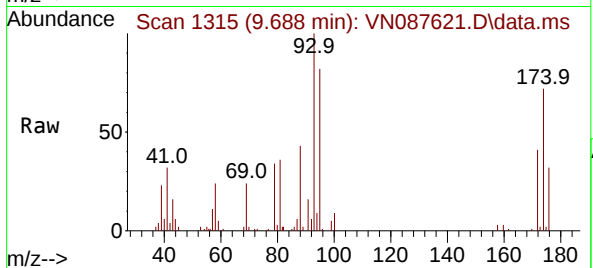
58 73.1 57.9 86.9

Manual Integrations

APPROVED

Reviewed By :John Carbone 08/22/2025

Supervised By :Mahesh Dadoda 08/25/2025



#50

Toluene-d8

Concen: 18.746 ug/l

RT: 10.547 min Scan# 1461

Delta R.T. 0.000 min

Lab File: VN087621.D

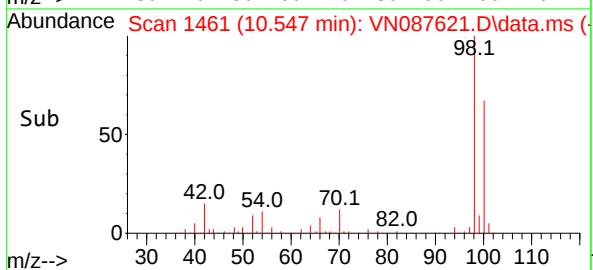
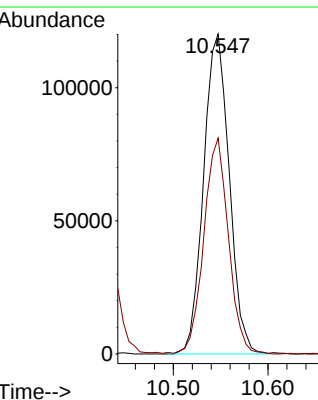
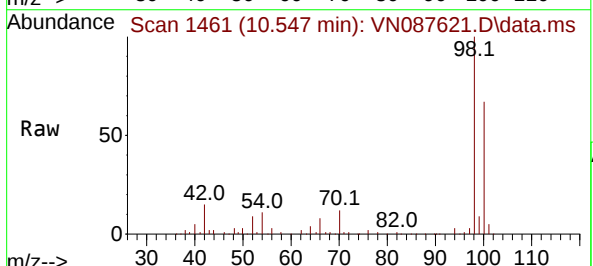
Acq: 21 Aug 2025 13:41

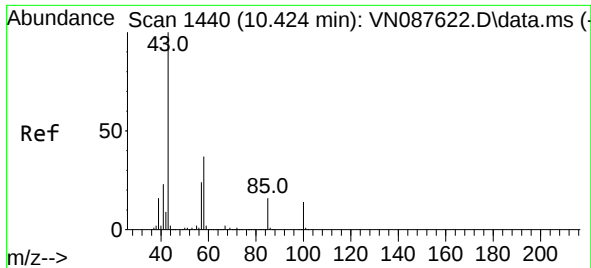
Tgt Ion: 98 Resp: 225931

Ion Ratio Lower Upper

98 100

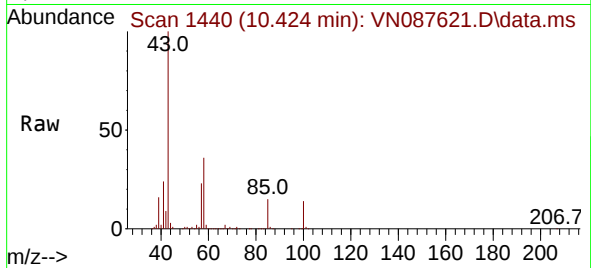
100 64.9 52.8 79.2





#51
4-Methyl-2-Pentanone
Concen: 104.353 ug/l
RT: 10.424 min Scan# 1440
Delta R.T. 0.000 min
Lab File: VN087621.D
Acq: 21 Aug 2025 13:41

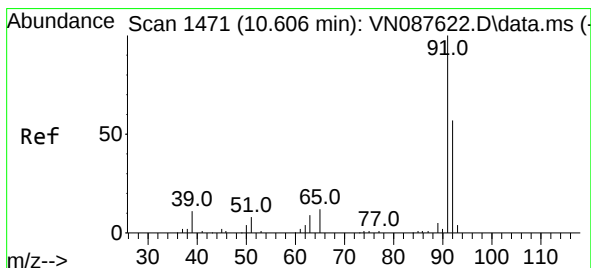
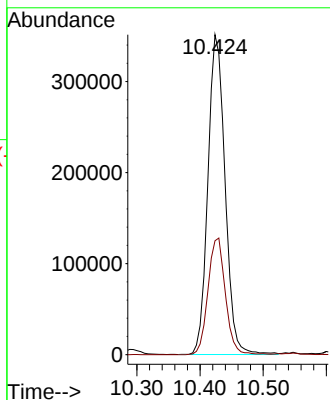
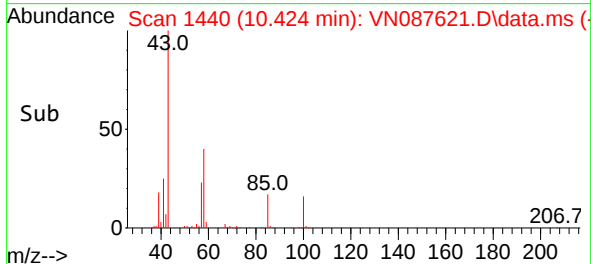
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020



Tgt Ion: 43 Resp: 66356
Ion Ratio Lower Upper
43 100
58 37.0 29.6 44.4

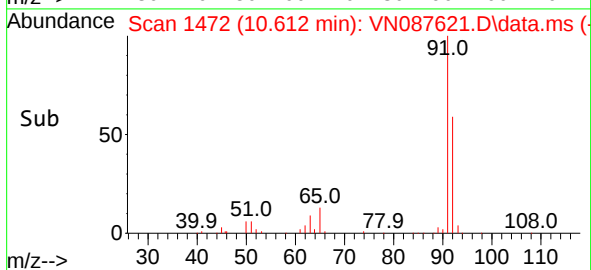
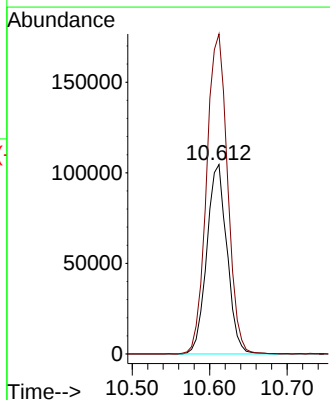
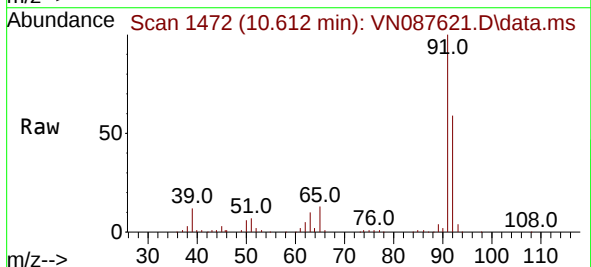
Manual Integrations
APPROVED

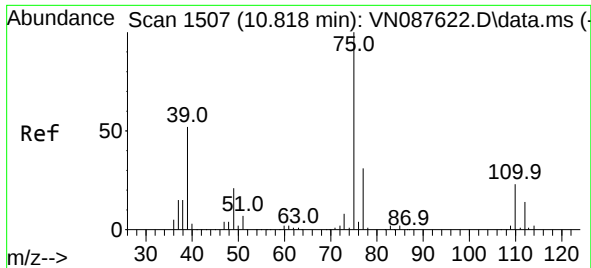
Reviewed By :John Carlone 08/22/2025
Supervised By :Mahesh Dadoda 08/25/2025



#52
Toluene
Concen: 20.175 ug/l
RT: 10.612 min Scan# 1472
Delta R.T. 0.006 min
Lab File: VN087621.D
Acq: 21 Aug 2025 13:41

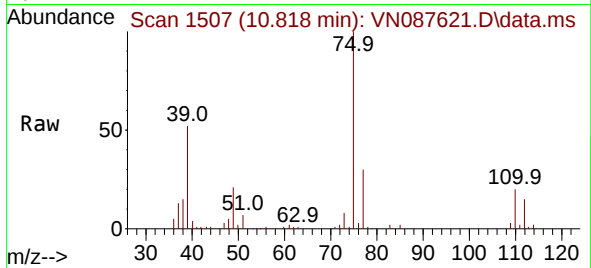
Tgt Ion: 92 Resp: 189511
Ion Ratio Lower Upper
92 100
91 175.1 140.4 210.6





#53
t-1,3-Dichloropropene
Concen: 20.453 ug/l
RT: 10.818 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN087621.D
Acq: 21 Aug 2025 13:41

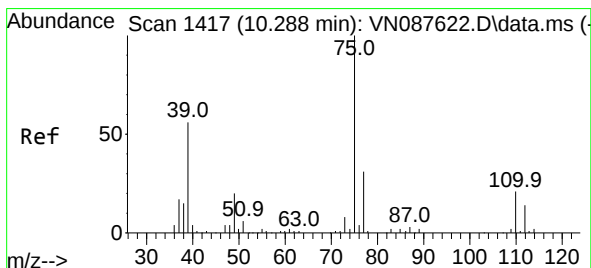
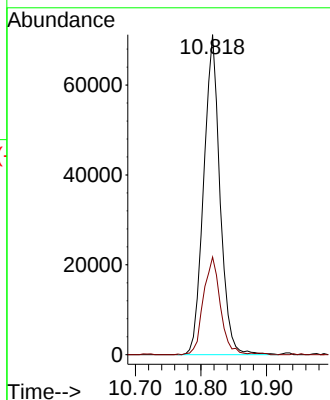
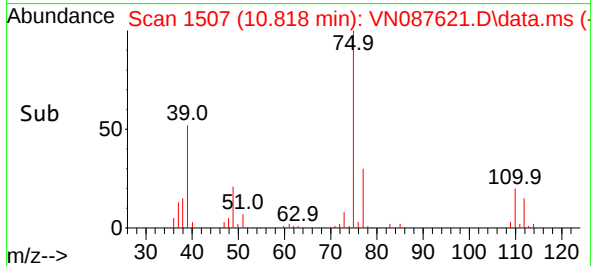
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020



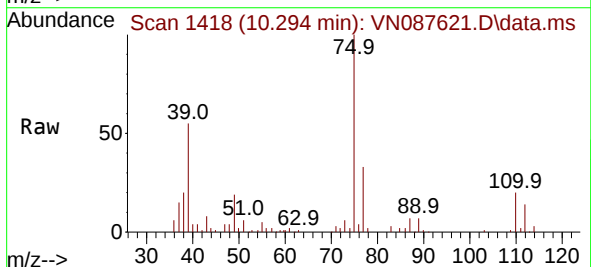
Tgt Ion: 75 Resp: 12331
Ion Ratio Lower Upper
75 100
77 30.5 25.2 37.8

Manual Integrations
APPROVED

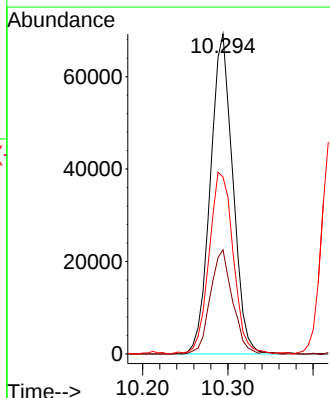
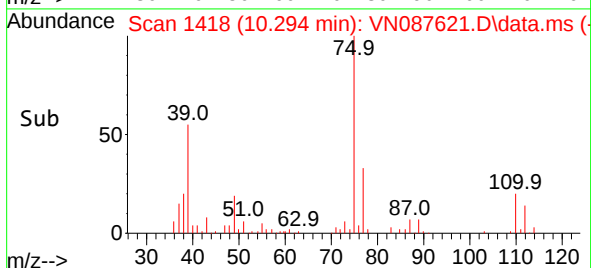
Reviewed By :John Carlone 08/22/2025
Supervised By :Mahesh Dadoda 08/25/2025

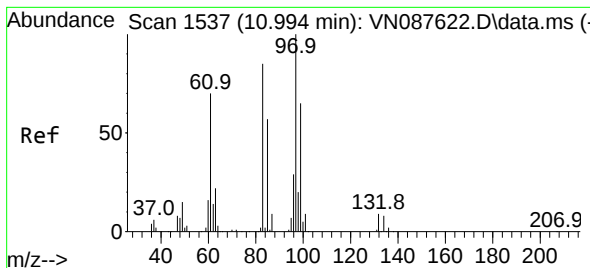


#54
cis-1,3-Dichloropropene
Concen: 20.300 ug/l
RT: 10.294 min Scan# 1418
Delta R.T. 0.006 min
Lab File: VN087621.D
Acq: 21 Aug 2025 13:41



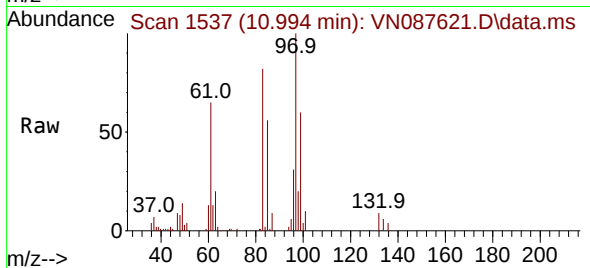
Tgt Ion: 75 Resp: 127086
Ion Ratio Lower Upper
75 100
77 32.3 24.6 37.0
39 54.7 45.2 67.8





#55
1,1,2-Trichloroethane
Concen: 20.463 ug/l
RT: 10.994 min Scan# 1537
Delta R.T. 0.000 min
Lab File: VN087621.D
Acq: 21 Aug 2025 13:41

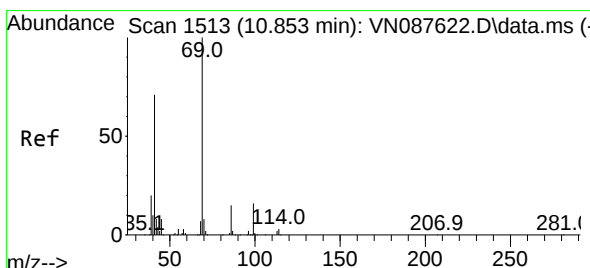
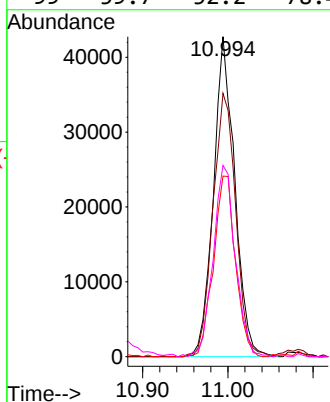
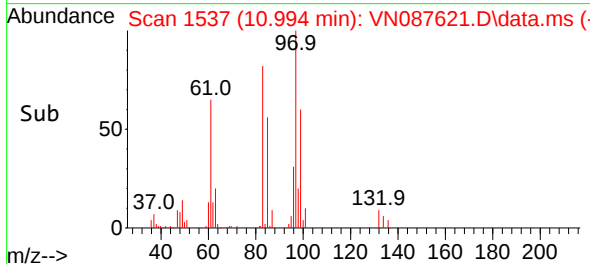
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020



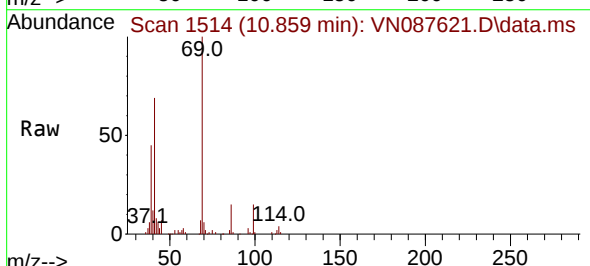
Tgt Ion:	97	Resp:	74360
Ion	Ratio	Lower	Upper
97	100		
83	82.3	68.2	102.4
85	56.5	45.5	68.3
99	59.7	52.2	78.4

Manual Integrations
APPROVED

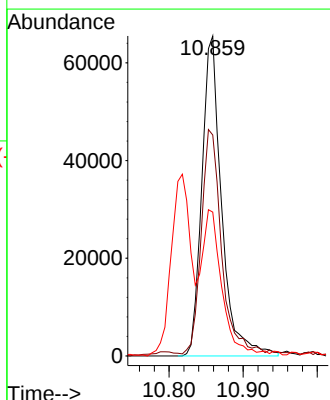
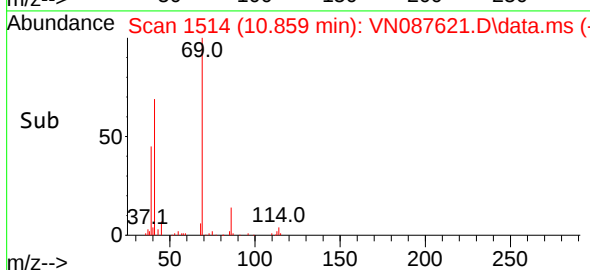
Reviewed By :John Carlone 08/22/2025
Supervised By :Mahesh Dadoda 08/25/2025

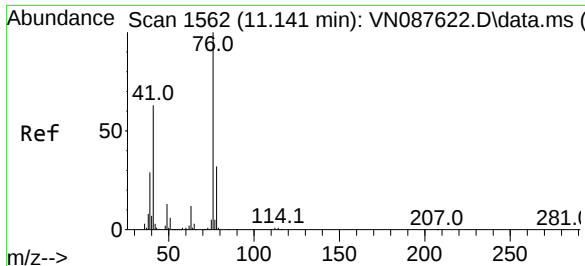


#56
Ethyl methacrylate
Concen: 20.928 ug/l
RT: 10.859 min Scan# 1514
Delta R.T. 0.006 min
Lab File: VN087621.D
Acq: 21 Aug 2025 13:41



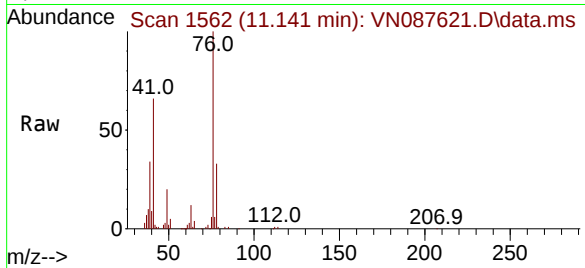
Tgt Ion:	69	Resp:	121534
Ion	Ratio	Lower	Upper
69	100		
41	73.3	56.5	84.7
39	45.1	34.2	51.4





#57
1,3-Dichloropropane
Concen: 20.615 ug/l
RT: 11.141 min Scan# 1562
Delta R.T. 0.000 min
Lab File: VN087621.D
Acq: 21 Aug 2025 13:41

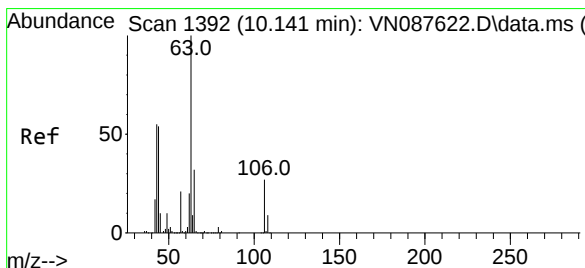
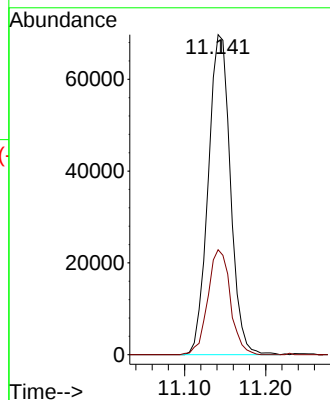
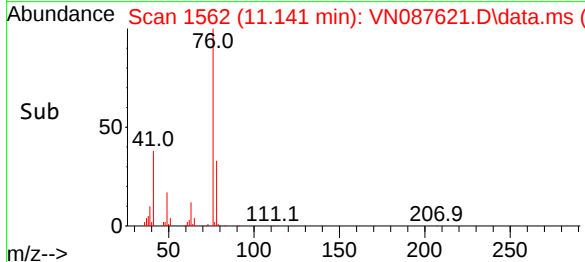
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020



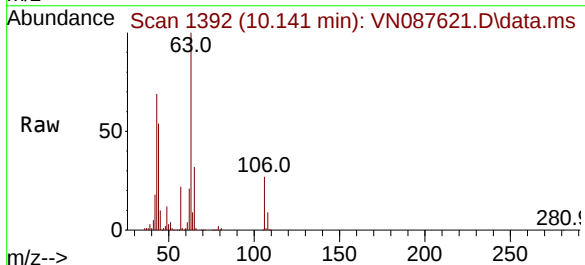
Tgt Ion: 76 Resp: 132579
Ion Ratio Lower Upper
76 100
78 33.2 26.2 39.4

Manual Integrations
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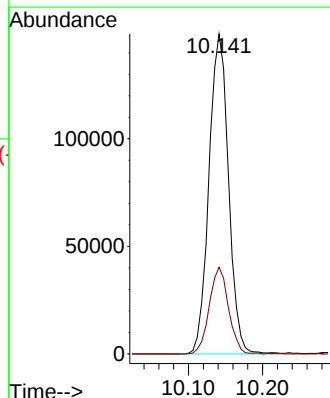
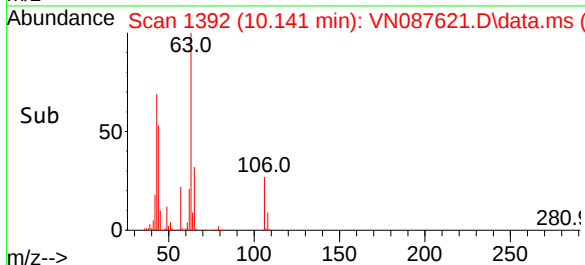
Reviewed By :John Carlone 08/22/2025
Supervised By :Mahesh Dadoda 08/25/2025

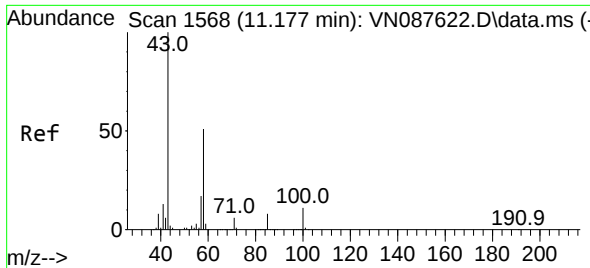


#58
2-Chloroethyl Vinyl ether
Concen: 86.689 ug/l
RT: 10.141 min Scan# 1392
Delta R.T. 0.000 min
Lab File: VN087621.D
Acq: 21 Aug 2025 13:41



Tgt Ion: 63 Resp: 272481
Ion Ratio Lower Upper
63 100
106 26.6 21.1 31.7





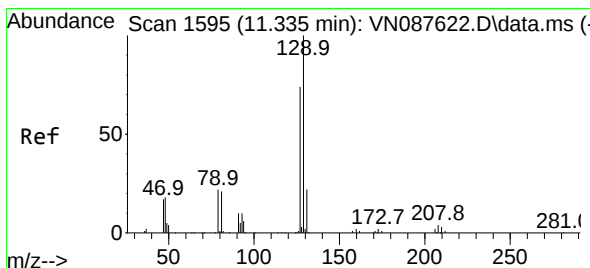
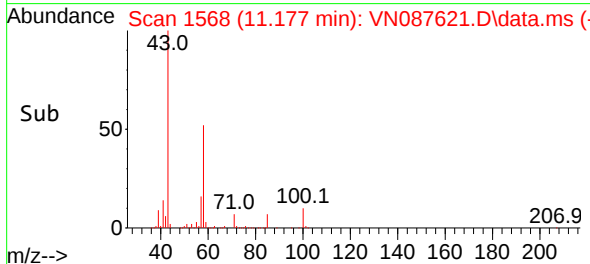
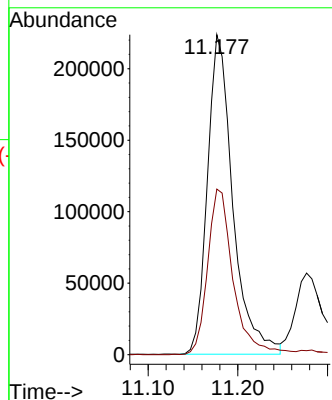
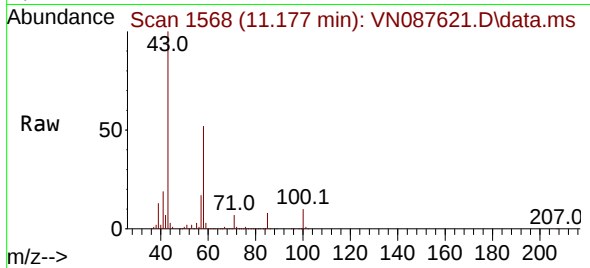
#59
2-Hexanone
Concen: 109.392 ug/l
RT: 11.177 min Scan# 1568
Delta R.T. 0.000 min
Lab File: VN087621.D
Acq: 21 Aug 2025 13:41

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion: 43 Resp: 439624
Ion Ratio Lower Upper
43 100
58 52.3 25.9 77.8

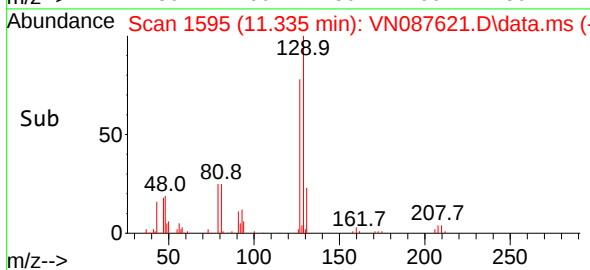
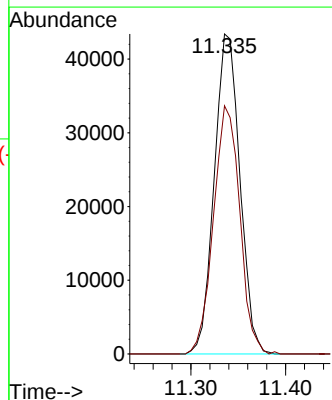
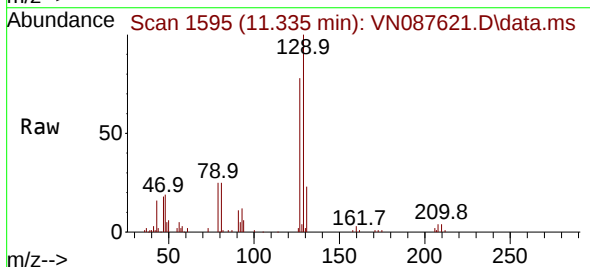
Manual Integrations
APPROVED

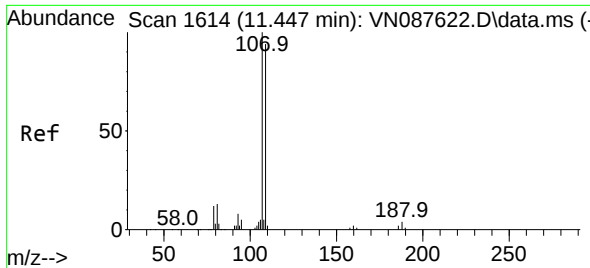
Reviewed By :John Carlone 08/22/2025
Supervised By :Mahesh Dadoda 08/25/2025



#60
Dibromochloromethane
Concen: 19.411 ug/l
RT: 11.335 min Scan# 1595
Delta R.T. 0.000 min
Lab File: VN087621.D
Acq: 21 Aug 2025 13:41

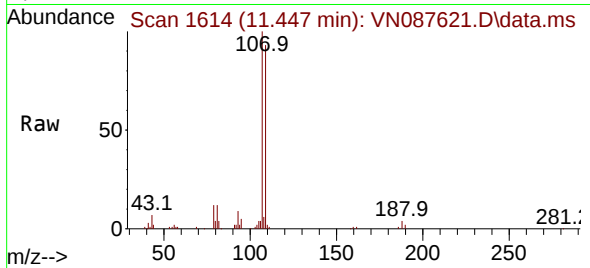
Tgt Ion:129 Resp: 81730
Ion Ratio Lower Upper
129 100
127 79.5 39.1 117.3





#61
1,2-Dibromoethane
Concen: 20.682 ug/l
RT: 11.447 min Scan# 1614
Delta R.T. 0.000 min
Lab File: VN087621.D
Acq: 21 Aug 2025 13:41

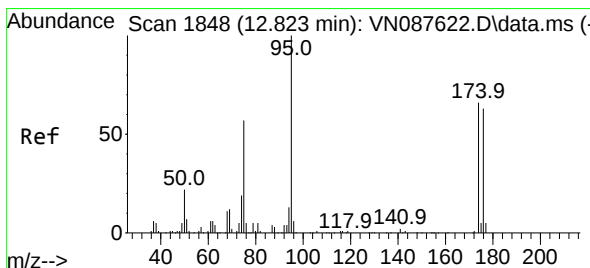
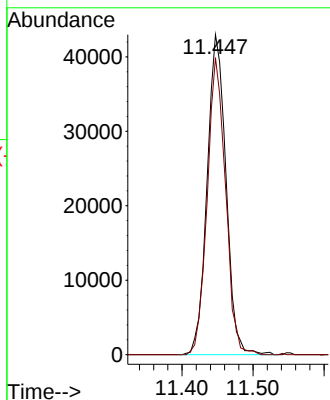
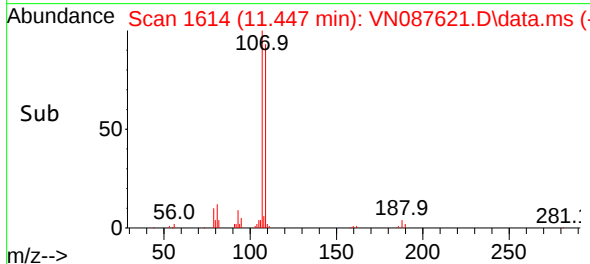
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020



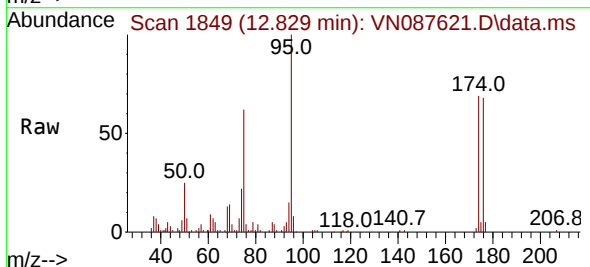
Tgt Ion:107 Resp: 7924
Ion Ratio Lower Upper
107 100
109 90.2 74.7 112.1

Manual Integrations
APPROVED

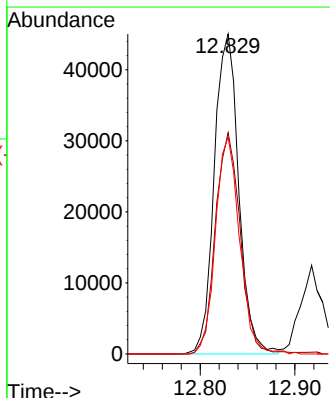
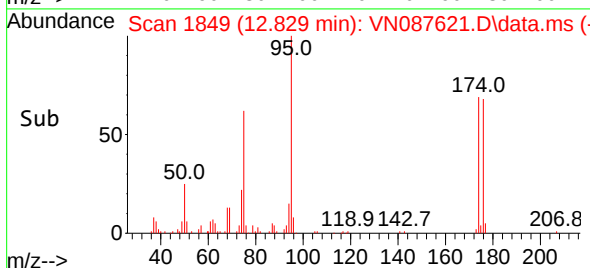
Reviewed By :John Carlone 08/22/2025
Supervised By :Mahesh Dadoda 08/25/2025

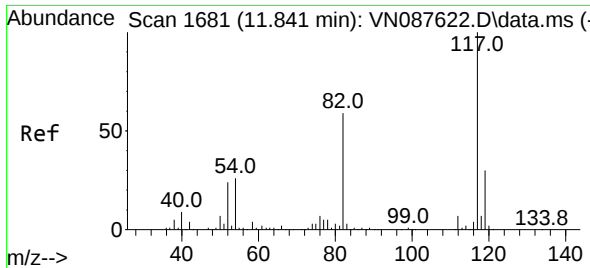


#62
4-Bromofluorobenzene
Concen: 18.883 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. 0.006 min
Lab File: VN087621.D
Acq: 21 Aug 2025 13:41



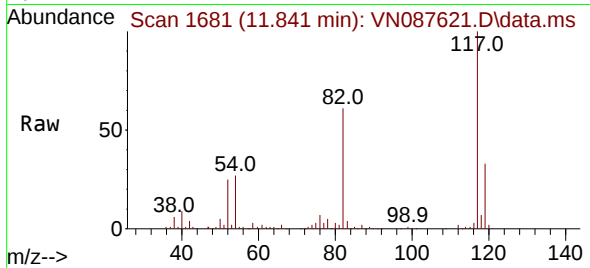
Tgt Ion: 95 Resp: 80936
Ion Ratio Lower Upper
95 100
174 70.0 0.0 138.4
176 67.3 0.0 132.6





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.841 min Scan# 1681
Delta R.T. 0.000 min
Lab File: VN087621.D
Acq: 21 Aug 2025 13:41

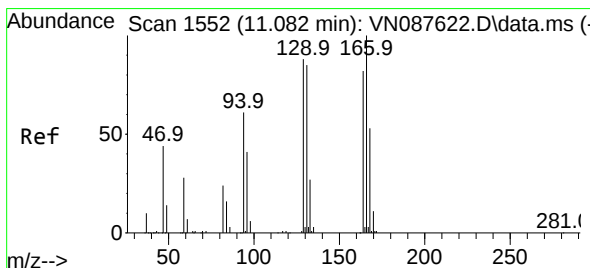
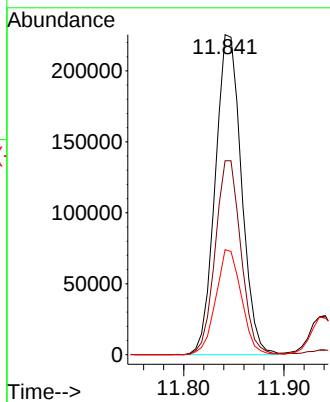
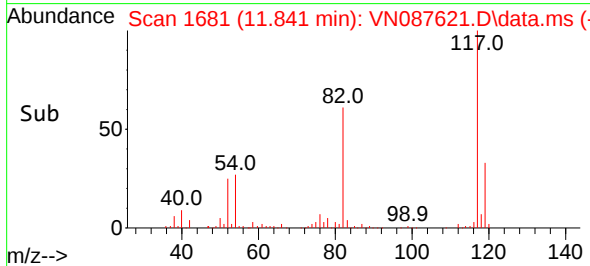
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020



Tgt Ion:117 Resp: 40918
Ion Ratio Lower Upper
117 100
82 60.5 47.4 71.2
119 32.8 24.3 36.5

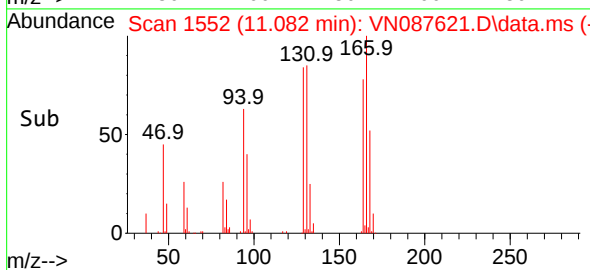
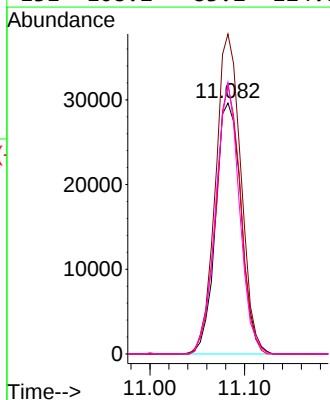
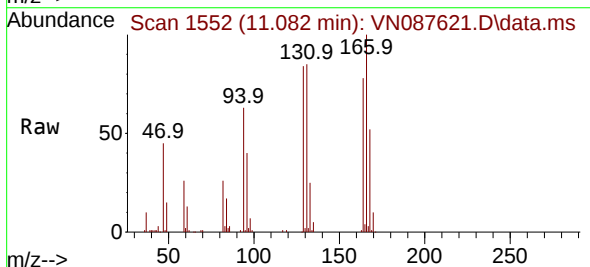
Manual Integrations
APPROVED

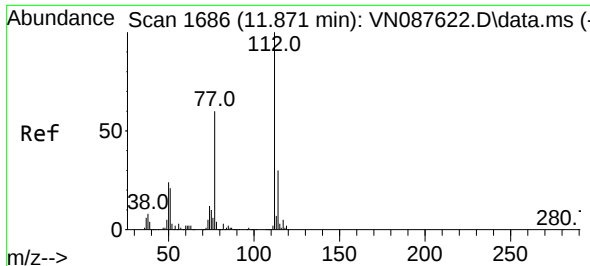
Reviewed By :John Carlone 08/22/2025
Supervised By :Mahesh Dadoda 08/25/2025



#64
Tetrachloroethene
Concen: 19.616 ug/l
RT: 11.082 min Scan# 1552
Delta R.T. 0.000 min
Lab File: VN087621.D
Acq: 21 Aug 2025 13:41

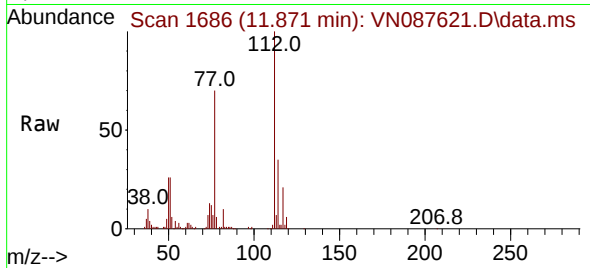
Tgt Ion:164 Resp: 55688
Ion Ratio Lower Upper
164 100
166 127.6 97.7 146.5
129 107.3 85.9 128.9
131 108.2 83.2 124.8





#65
Chlorobenzene
Concen: 20.146 ug/l
RT: 11.871 min Scan# 1686
Delta R.T. 0.000 min
Lab File: VN087621.D
Acq: 21 Aug 2025 13:41

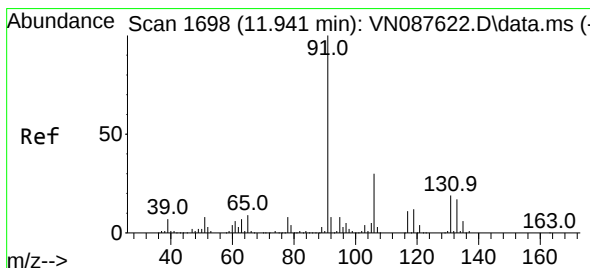
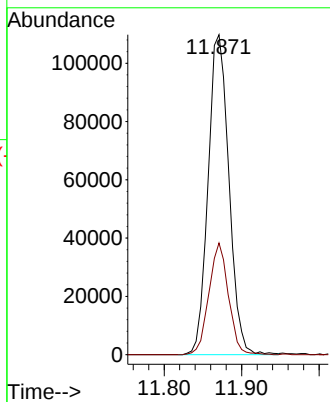
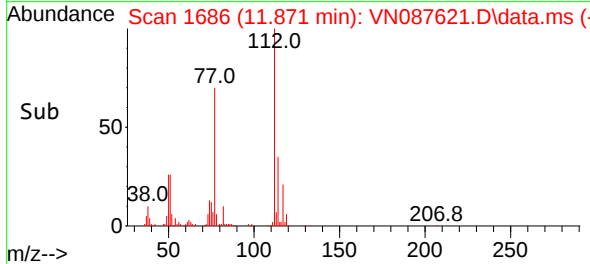
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020



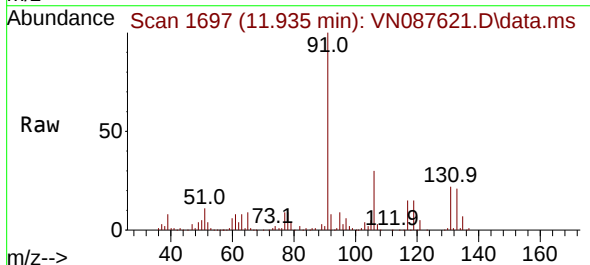
Tgt Ion:112 Resp: 205088
Ion Ratio Lower Upper
112 100
114 34.9 24.3 36.5

Manual Integrations
APPROVED

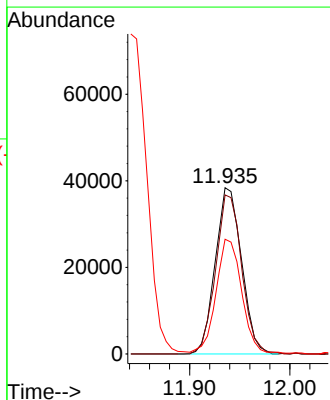
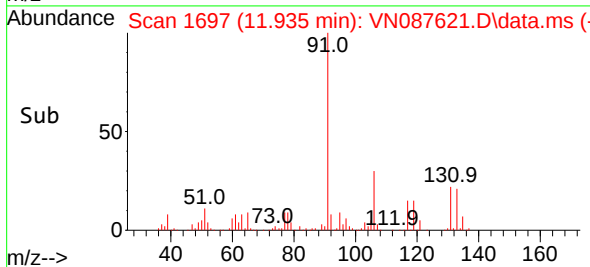
Reviewed By :John Carlone 08/22/2025
Supervised By :Mahesh Dadoda 08/25/2025

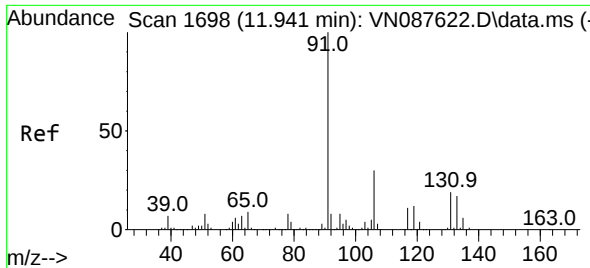


#66
1,1,1,2-Tetrachloroethane
Concen: 20.664 ug/l
RT: 11.935 min Scan# 1697
Delta R.T. -0.006 min
Lab File: VN087621.D
Acq: 21 Aug 2025 13:41



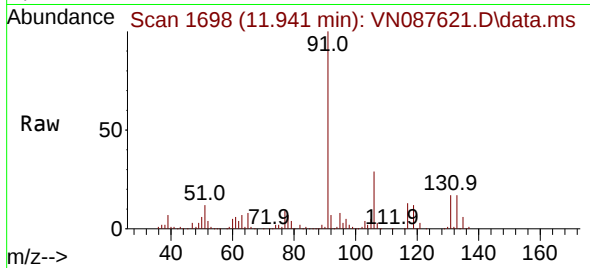
Tgt Ion:131 Resp: 69837
Ion Ratio Lower Upper
131 100
133 95.1 48.0 144.0
119 66.6 32.6 97.7





#67
Ethyl Benzene
Concen: 20.653 ug/l
RT: 11.941 min Scan# 1698
Delta R.T. 0.000 min
Lab File: VN087621.D
Acq: 21 Aug 2025 13:41

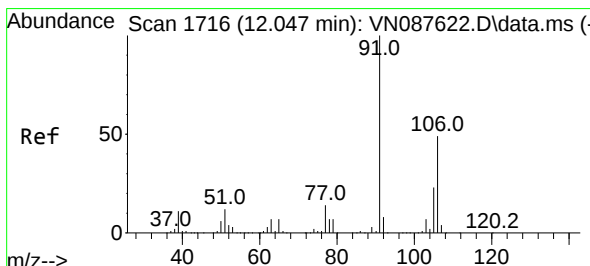
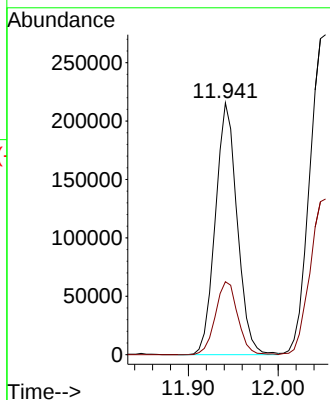
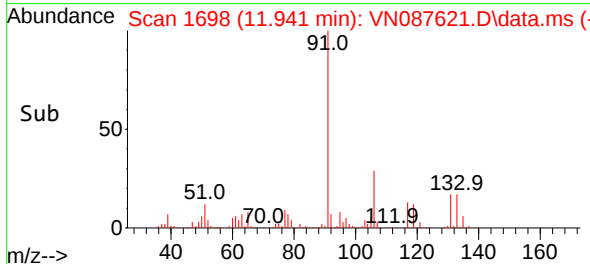
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020



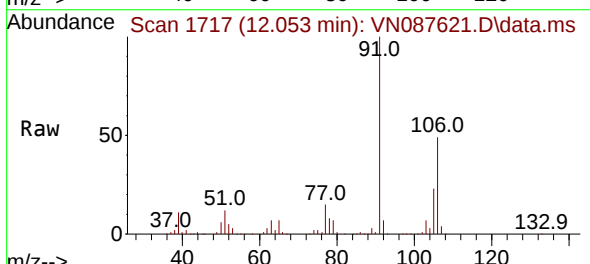
Tgt Ion: 91 Resp: 364023
Ion Ratio Lower Upper
91 100
106 29.0 24.1 36.1

Manual Integrations
APPROVED

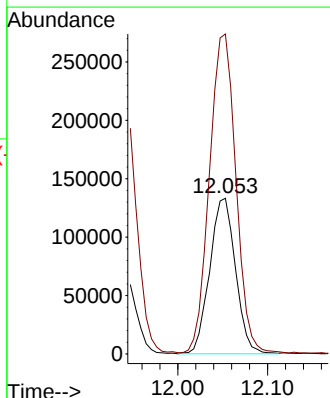
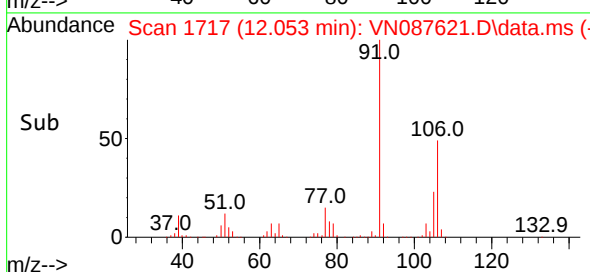
Reviewed By :John Carlone 08/22/2025
Supervised By :Mahesh Dadoda 08/25/2025

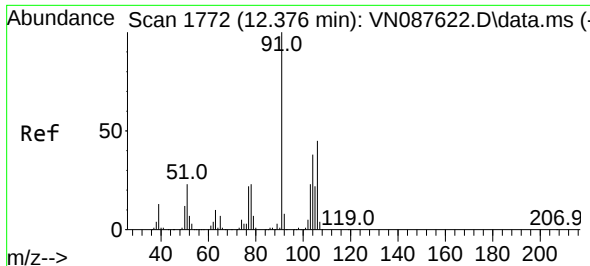


#68
m/p-Xylenes
Concen: 41.067 ug/l
RT: 12.053 min Scan# 1717
Delta R.T. 0.006 min
Lab File: VN087621.D
Acq: 21 Aug 2025 13:41



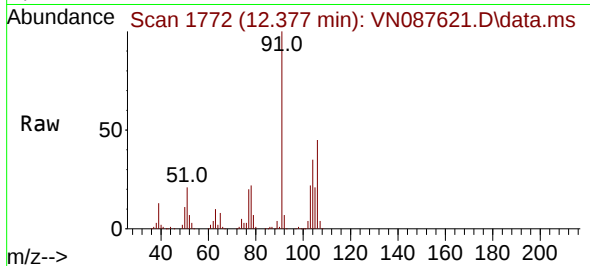
Tgt Ion:106 Resp: 265461
Ion Ratio Lower Upper
106 100
91 210.8 169.3 253.9





#69
o-Xylene
Concen: 20.515 ug/l
RT: 12.377 min Scan# 1772
Delta R.T. 0.000 min
Lab File: VN087621.D
Acq: 21 Aug 2025 13:41

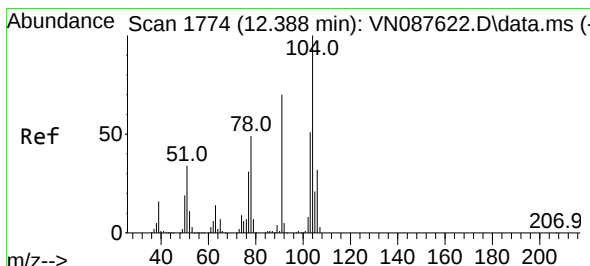
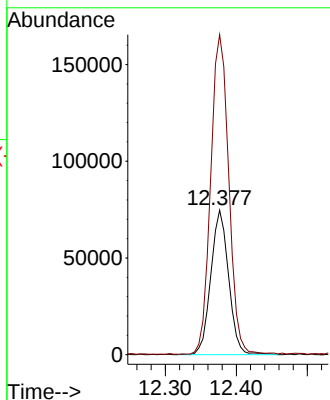
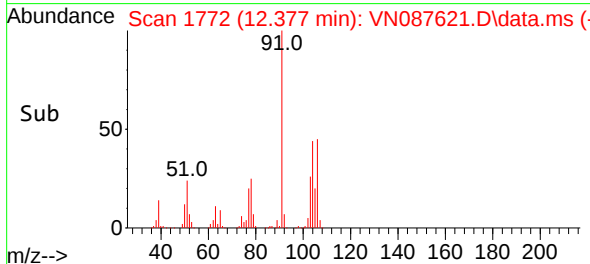
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020



Tgt Ion:106 Resp: 129958
Ion Ratio Lower Upper
106 100
91 224.8 111.4 334.2

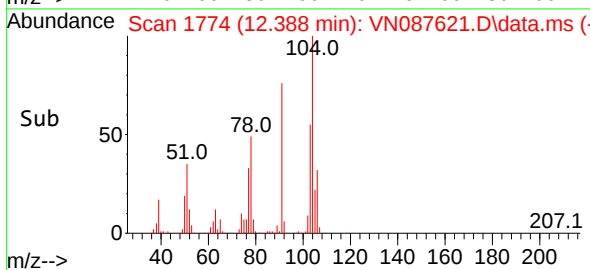
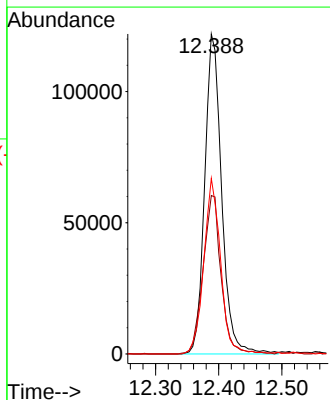
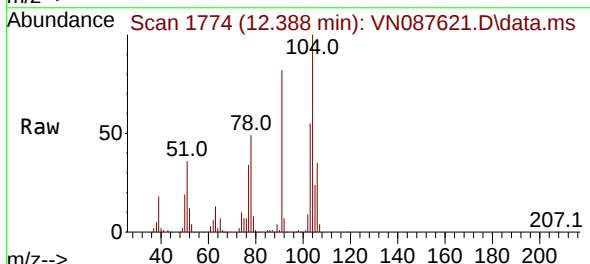
Manual Integrations
APPROVED

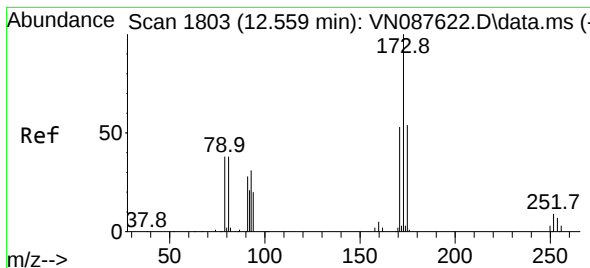
Reviewed By :John Carlone 08/22/2025
Supervised By :Mahesh Dadoda 08/25/2025



#70
Styrene
Concen: 21.458 ug/l
RT: 12.388 min Scan# 1774
Delta R.T. 0.000 min
Lab File: VN087621.D
Acq: 21 Aug 2025 13:41

Tgt Ion:104 Resp: 227729
Ion Ratio Lower Upper
104 100
78 52.7 42.2 63.2
103 54.4 43.4 65.2





#71

Bromoform

Concen: 20.233 ug/l

RT: 12.559 min Scan# 1803

Delta R.T. 0.000 min

Lab File: VN087621.D

Acq: 21 Aug 2025 13:41

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC020

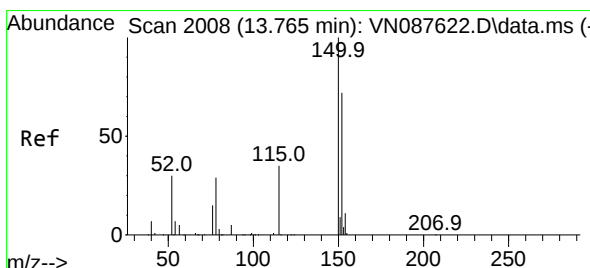
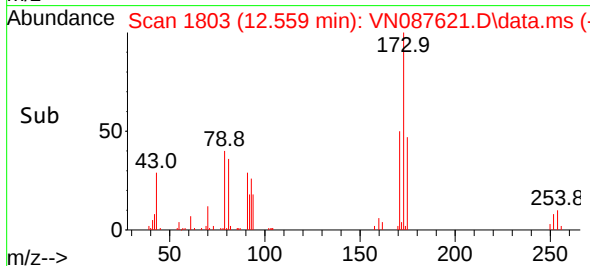
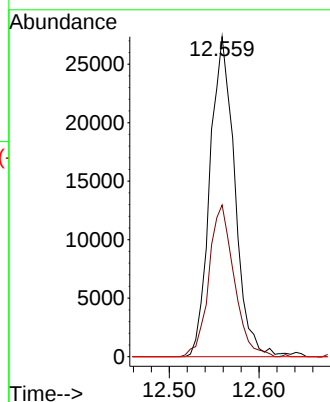
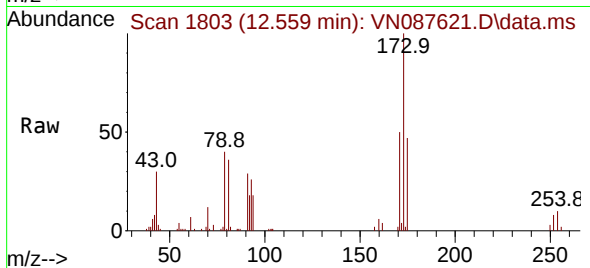
Tgt Ion:	173	Resp:	5244
Ion Ratio	Lower	Upper	
173	100		
175	48.2	24.9	74.6
254	0.0	0.1	0.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 08/22/2025

Supervised By :Mahesh Dadoda 08/25/2025



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

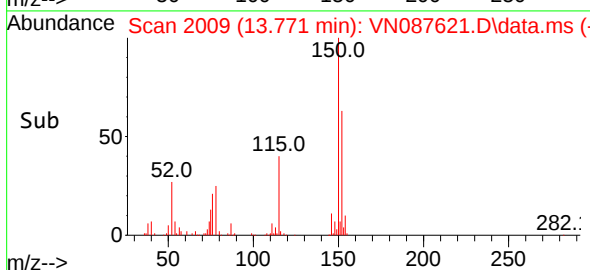
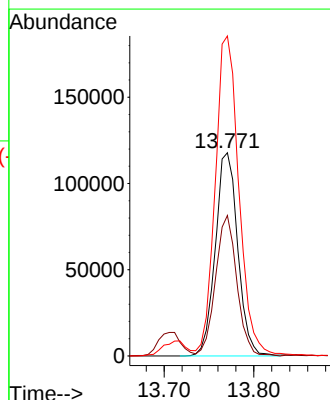
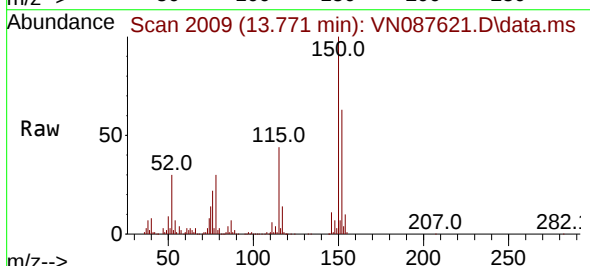
RT: 13.771 min Scan# 2009

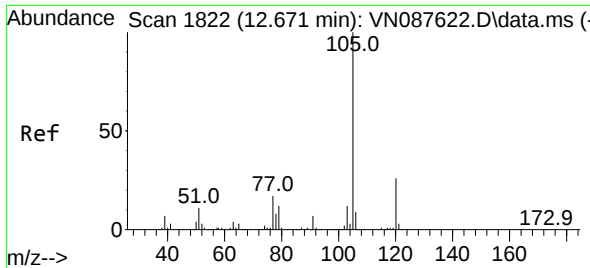
Delta R.T. 0.006 min

Lab File: VN087621.D

Acq: 21 Aug 2025 13:41

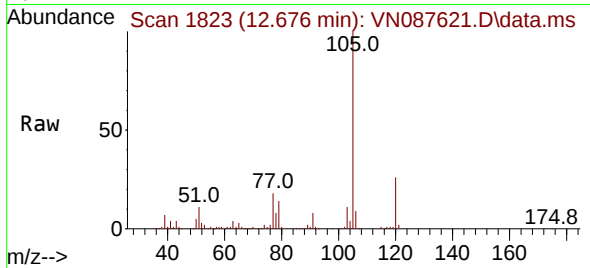
Tgt Ion:	152	Resp:	204594
Ion Ratio	Lower	Upper	
152	100		
115	65.8	32.3	96.8
150	166.0	0.0	351.0





#73
Isopropylbenzene
Concen: 20.276 ug/l
RT: 12.676 min Scan# 1801
Delta R.T. 0.006 min
Lab File: VN087621.D
Acq: 21 Aug 2025 13:41

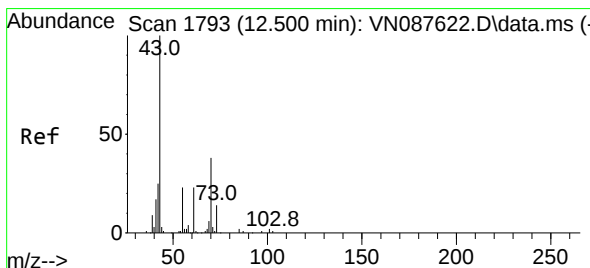
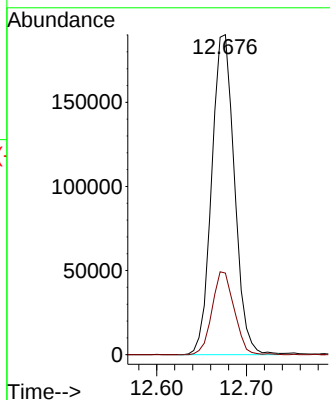
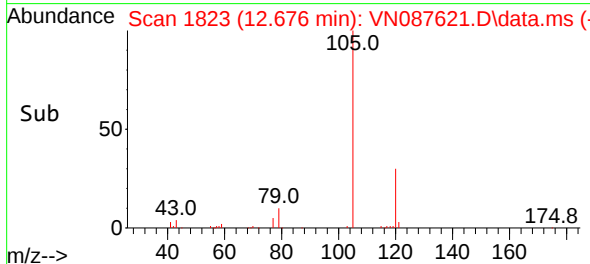
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020



Tgt Ion:105 Resp: 335219
Ion Ratio Lower Upper
105 100
120 25.2 12.8 38.3

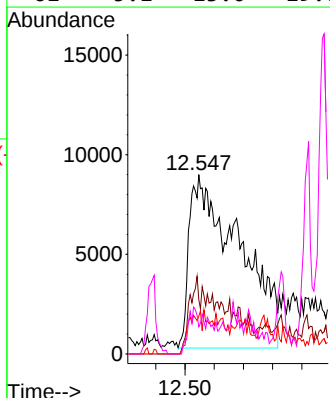
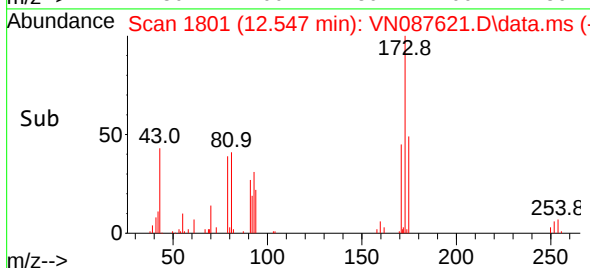
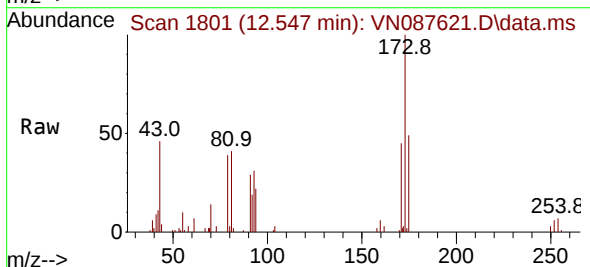
Manual Integrations
APPROVED

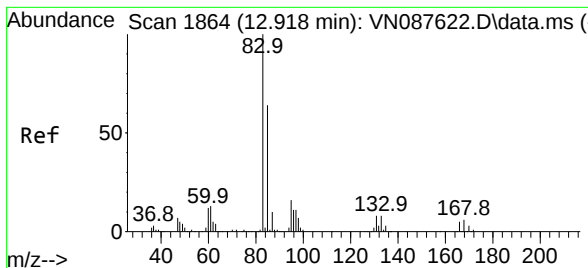
Reviewed By :John Carlone 08/22/2025
Supervised By :Mahesh Dadoda 08/25/2025



#74
N-ethyl acetate
Concen: 16.273 ug/l m
RT: 12.547 min Scan# 1801
Delta R.T. 0.047 min
Lab File: VN087621.D
Acq: 21 Aug 2025 13:41

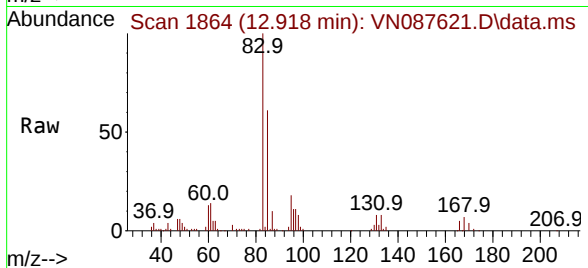
Tgt Ion: 43 Resp: 103508
Ion Ratio Lower Upper
43 100
70 0.0 27.6 41.4#
55 0.0 13.0 19.6#
61 5.1 13.0 19.6#





#75
1,1,2,2-Tetrachloroethane
Concen: 20.433 ug/l
RT: 12.918 min Scan# 1864
Delta R.T. 0.000 min
Lab File: VN087621.D
Acq: 21 Aug 2025 13:41

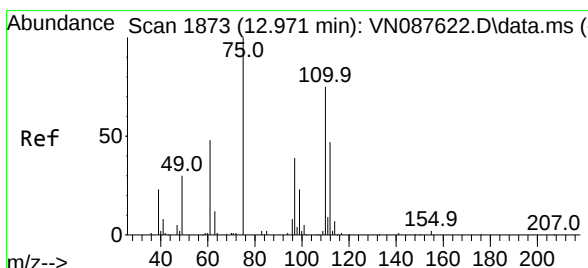
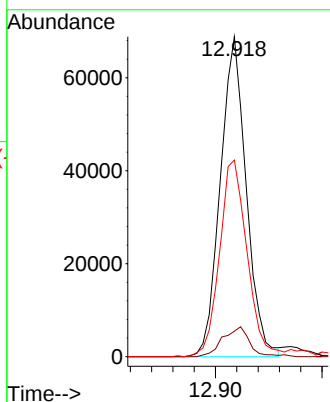
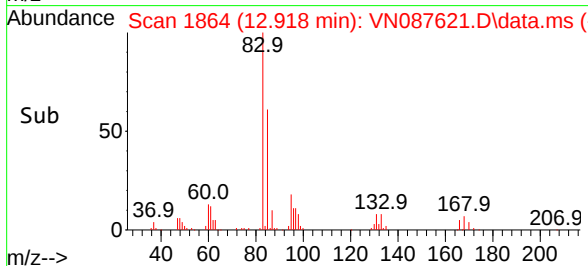
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020



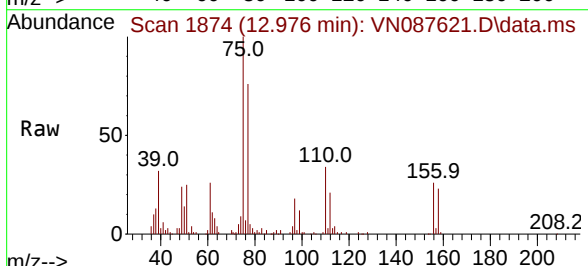
Tgt Ion: 83 Resp: 116302
Ion Ratio Lower Upper
83 100
131 9.7 4.8 14.4
85 65.2 32.1 96.3

Manual Integrations
APPROVED

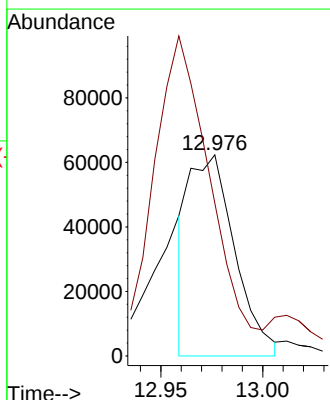
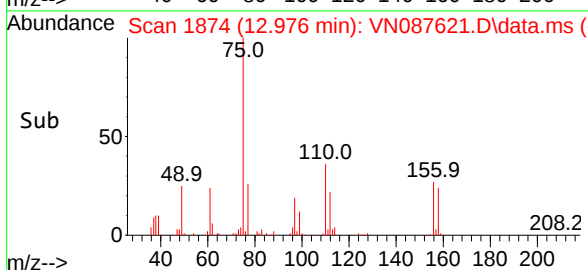
Reviewed By :John Carlone 08/22/2025
Supervised By :Mahesh Dadoda 08/25/2025

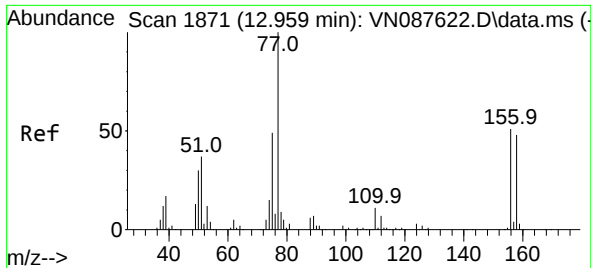


#76
1,2,3-Trichloropropane
Concen: 20.223 ug/l m
RT: 12.976 min Scan# 1874
Delta R.T. 0.006 min
Lab File: VN087621.D
Acq: 21 Aug 2025 13:41



Tgt Ion: 75 Resp: 97260
Ion Ratio Lower Upper
75 100
77 201.0 89.1 267.4





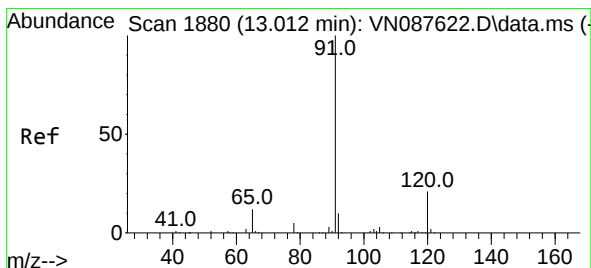
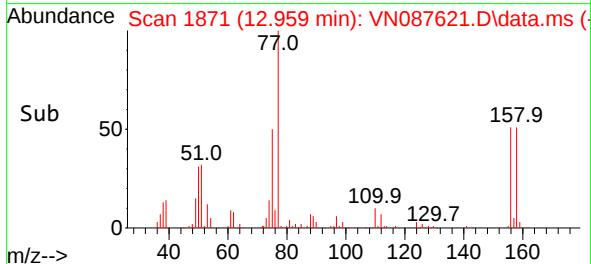
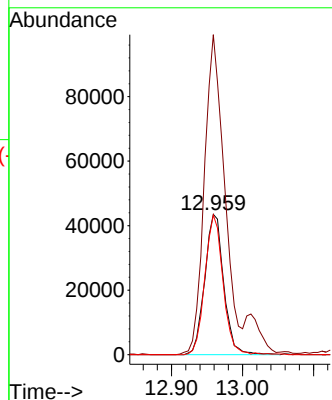
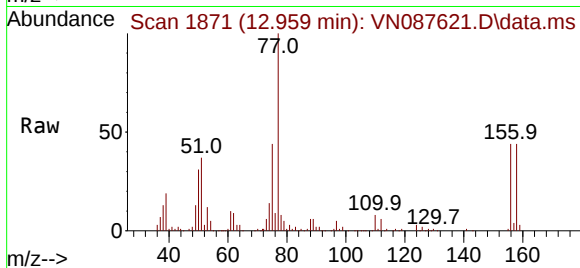
#77
Bromobenzene
Concen: 20.737 ug/l
RT: 12.959 min Scan# 1871
Delta R.T. 0.000 min
Lab File: VN087621.D
Acq: 21 Aug 2025 13:41

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tgt Ion:156 Resp: 80835
Ion Ratio Lower Upper
156 100
77 241.8 119.3 358.0
158 95.7 48.2 144.6

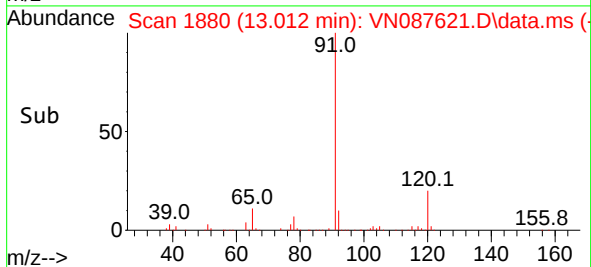
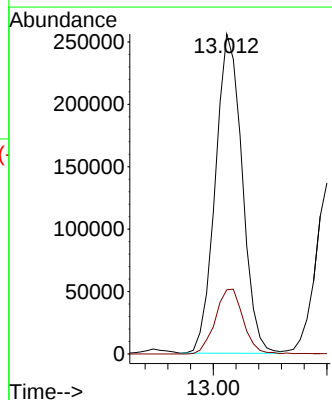
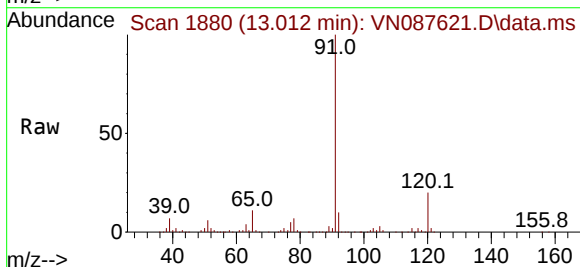
Manual Integrations
APPROVED

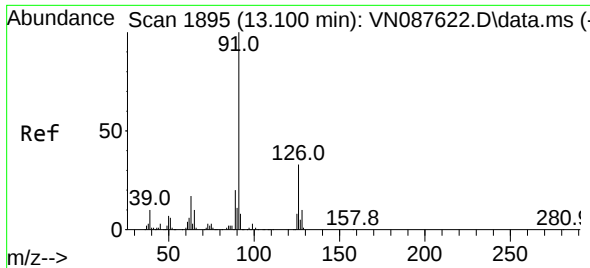
Reviewed By :John Carlone 08/22/2025
Supervised By :Mahesh Dadoda 08/25/2025



#78
n-propylbenzene
Concen: 20.596 ug/l
RT: 13.012 min Scan# 1880
Delta R.T. 0.000 min
Lab File: VN087621.D
Acq: 21 Aug 2025 13:41

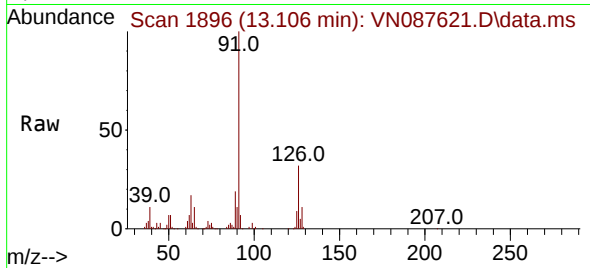
Tgt Ion: 91 Resp: 419422
Ion Ratio Lower Upper
91 100
120 21.1 10.7 32.1





#79
2-Chlorotoluene
Concen: 20.812 ug/l
RT: 13.106 min Scan# 1895
Delta R.T. 0.006 min
Lab File: VN087621.D
Acq: 21 Aug 2025 13:41

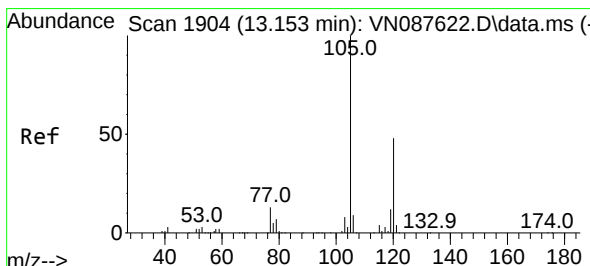
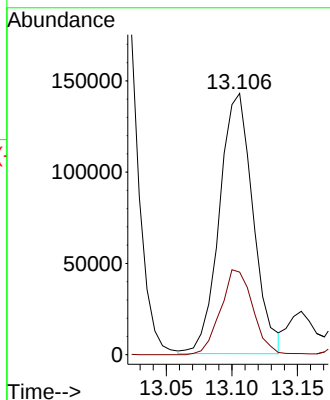
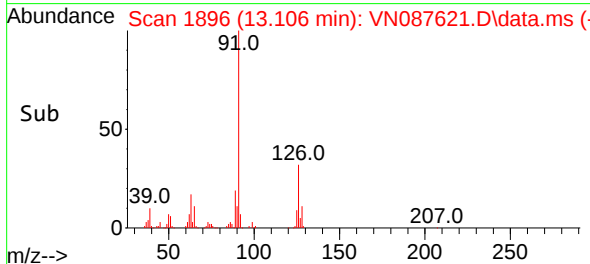
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020



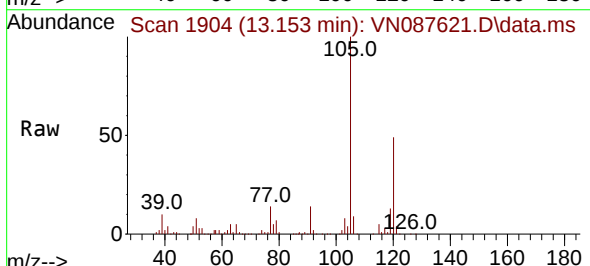
Tgt Ion: 91 Resp: 25504
Ion Ratio Lower Upper
91 100
126 31.4 16.1 48.3

Manual Integrations
APPROVED

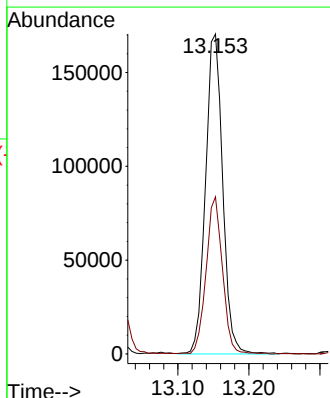
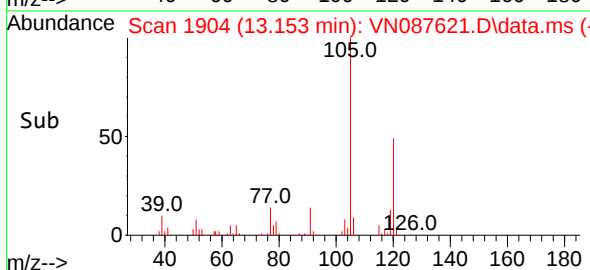
Reviewed By :John Carlone 08/22/2025
Supervised By :Mahesh Dadoda 08/25/2025

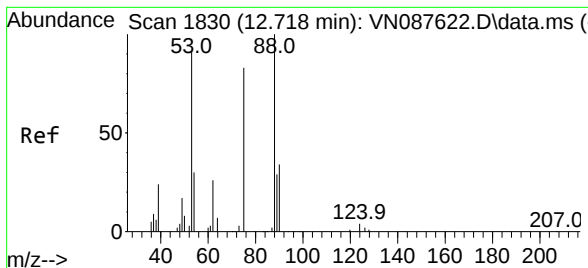


#80
1,3,5-Trimethylbenzene
Concen: 20.412 ug/l
RT: 13.153 min Scan# 1904
Delta R.T. 0.000 min
Lab File: VN087621.D
Acq: 21 Aug 2025 13:41



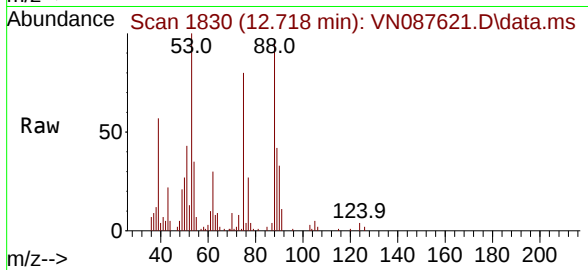
Tgt Ion:105 Resp: 286272
Ion Ratio Lower Upper
105 100
120 47.0 23.2 69.6





#81
trans-1,4-Dichloro-2-butene
Concen: 18.801 ug/l
RT: 12.718 min Scan# 1830
Delta R.T. 0.000 min
Lab File: VN087621.D
Acq: 21 Aug 2025 13:41

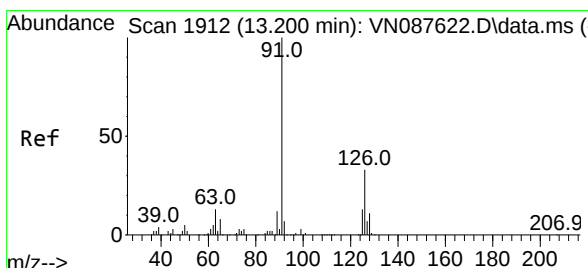
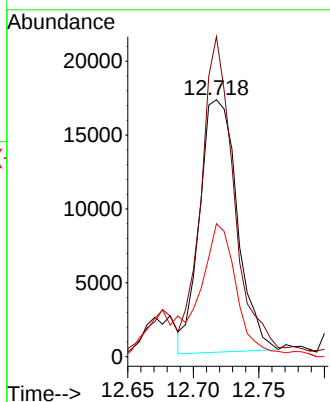
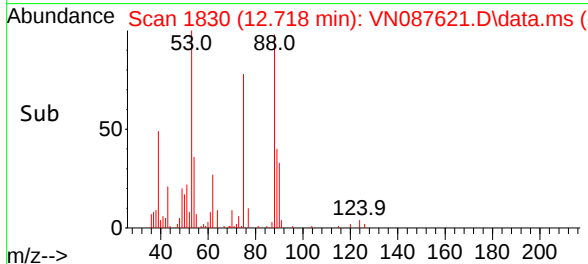
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020



Tgt Ion: 75 Resp: 34072
Ion Ratio Lower Upper
75 100
53 109.7 101.8 152.6
89 45.3 35.6 53.4

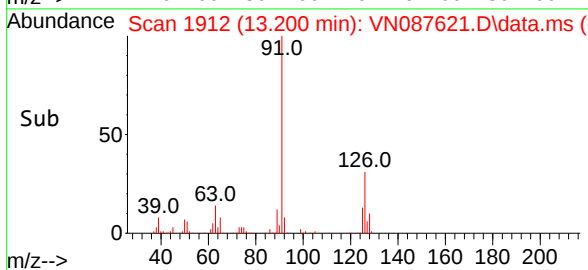
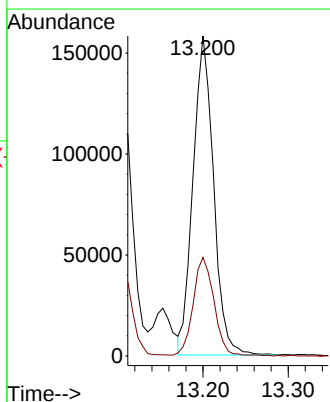
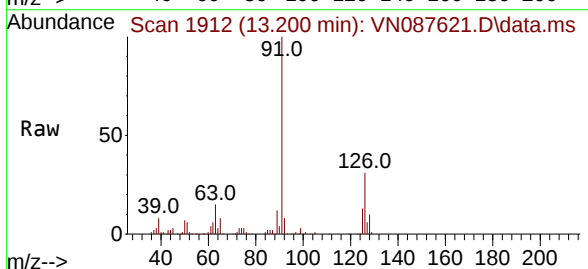
Manual Integrations
APPROVED

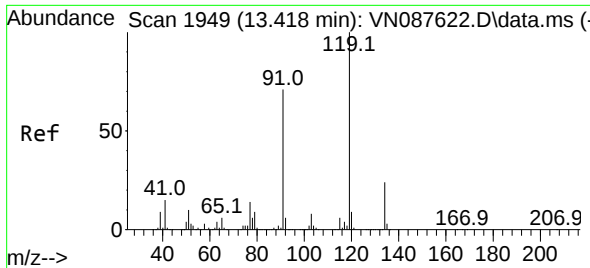
Reviewed By :John Carlone 08/22/2025
Supervised By :Mahesh Dadoda 08/25/2025



#82
4-Chlorotoluene
Concen: 20.483 ug/l
RT: 13.200 min Scan# 1912
Delta R.T. 0.000 min
Lab File: VN087621.D
Acq: 21 Aug 2025 13:41

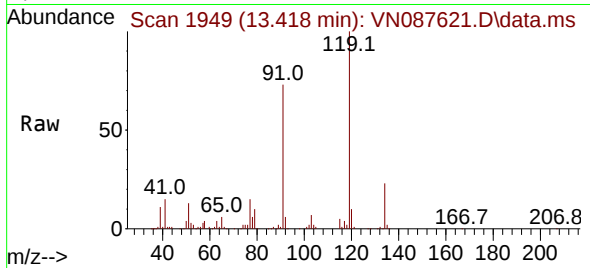
Tgt Ion: 91 Resp: 263916
Ion Ratio Lower Upper
91 100
126 31.5 15.6 46.8





#83
tert-Butylbenzene
Concen: 20.302 ug/l
RT: 13.418 min Scan# 1949
Delta R.T. 0.000 min
Lab File: VN087621.D
Acq: 21 Aug 2025 13:41

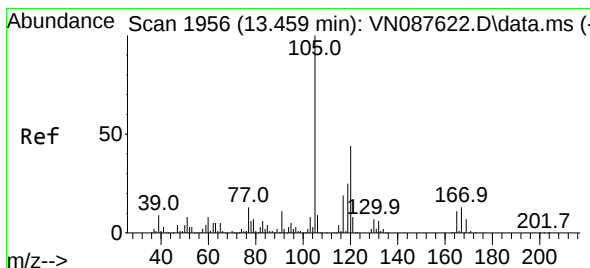
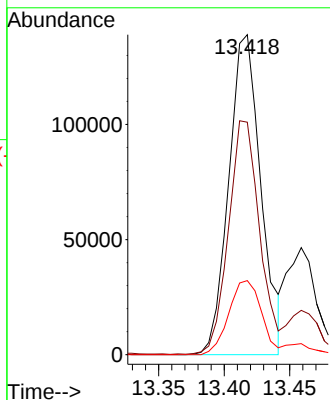
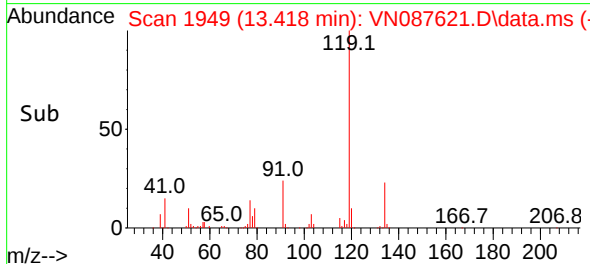
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020



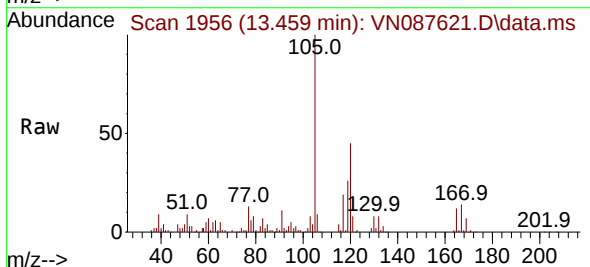
Tgt Ion:119 Resp: 237268
Ion Ratio Lower Upper
119 100
91 70.6 35.0 105.0
134 23.4 12.6 37.8

Manual Integrations
APPROVED

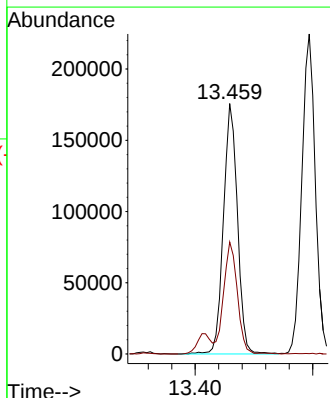
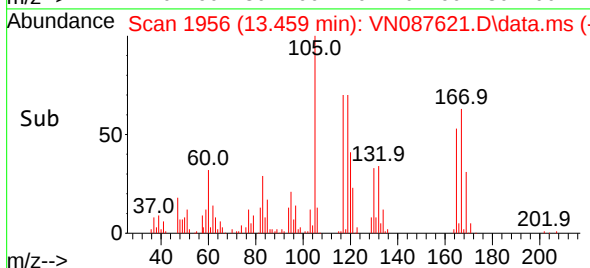
Reviewed By :John Carlone 08/22/2025
Supervised By :Mahesh Dadoda 08/25/2025

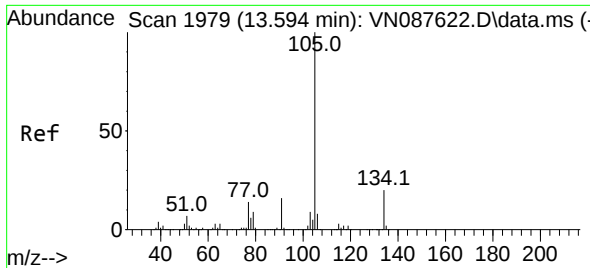


#84
1,2,4-Trimethylbenzene
Concen: 20.701 ug/l
RT: 13.459 min Scan# 1956
Delta R.T. 0.000 min
Lab File: VN087621.D
Acq: 21 Aug 2025 13:41



Tgt Ion:105 Resp: 290636
Ion Ratio Lower Upper
105 100
120 43.4 22.0 66.0





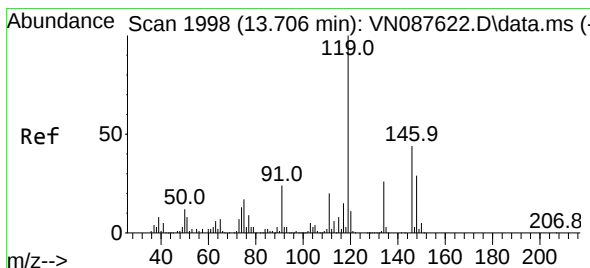
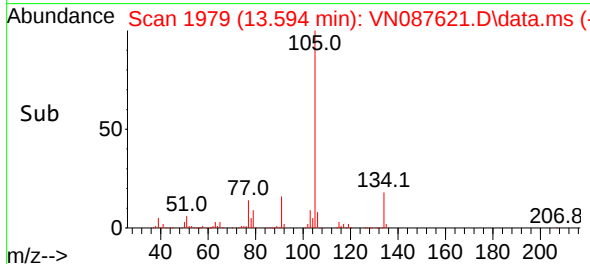
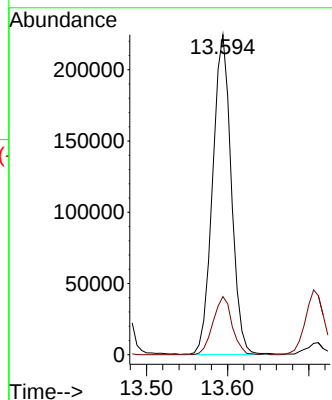
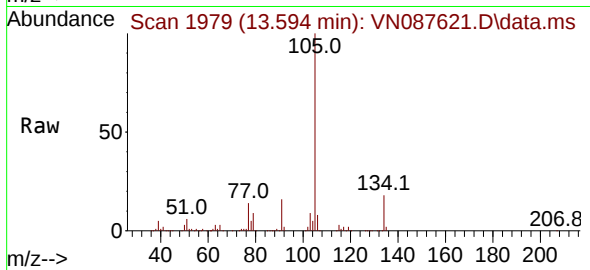
#85
 sec-Butylbenzene
 Concen: 20.607 ug/l
 RT: 13.594 min Scan# 1979
 Delta R.T. 0.000 min
 Lab File: VN087621.D
 Acq: 21 Aug 2025 13:41

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC020

Tgt Ion:105 Resp: 357394
 Ion Ratio Lower Upper
 105 100
 134 18.6 9.6 28.6

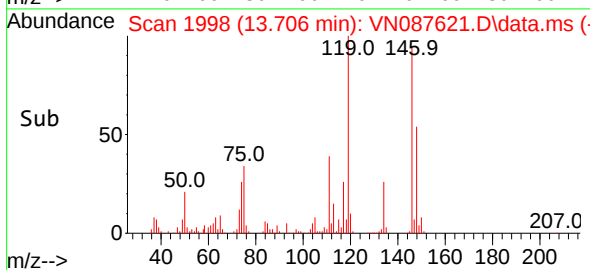
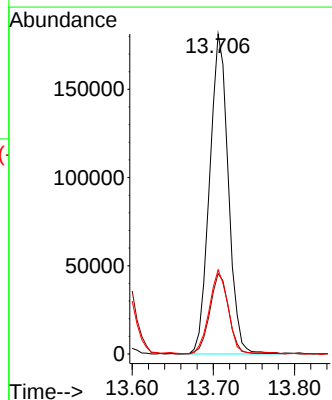
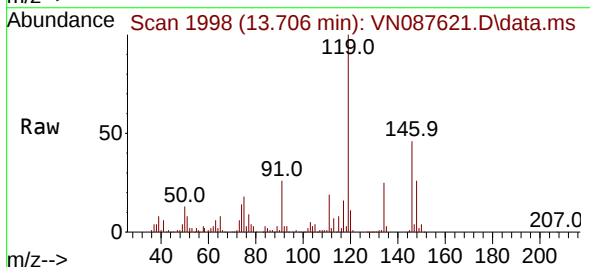
Manual Integrations
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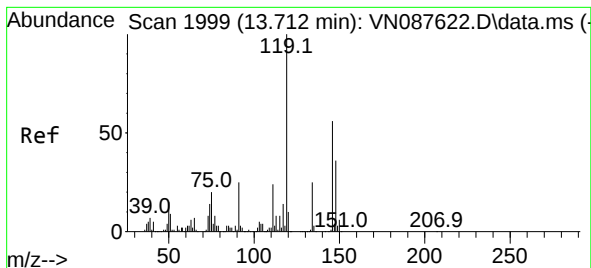
Reviewed By :John Carlone 08/22/2025
 Supervised By :Mahesh Dadoda 08/25/2025



#86
 p-Isopropyltoluene
 Concen: 20.288 ug/l
 RT: 13.706 min Scan# 1998
 Delta R.T. 0.000 min
 Lab File: VN087621.D
 Acq: 21 Aug 2025 13:41

Tgt Ion:119 Resp: 290561
 Ion Ratio Lower Upper
 119 100
 134 25.4 12.7 38.0
 91 26.2 12.5 37.5





#87

1,3-Dichlorobenzene

Concen: 20.680 ug/l

RT: 13.712 min Scan# 1999

Delta R.T. 0.000 min

Lab File: VN087621.D

Acq: 21 Aug 2025 13:41

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tgt Ion:146 Resp: 158749

Ion Ratio Lower Upper

146 100

111 42.5 22.1 66.5

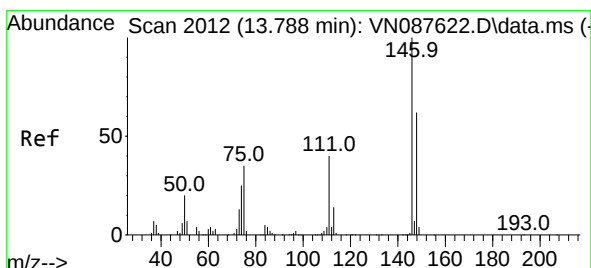
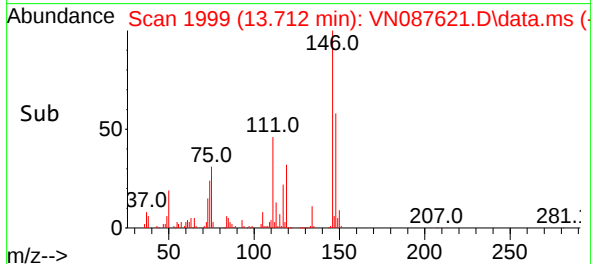
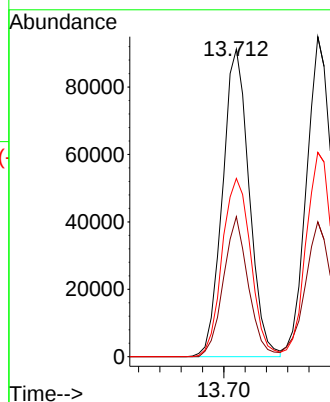
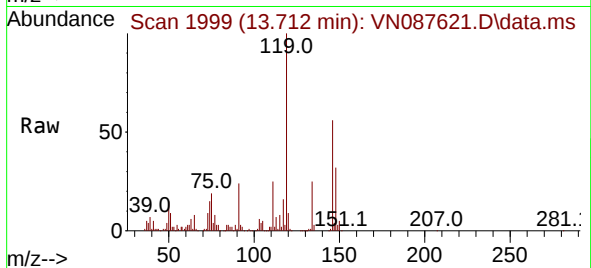
148 62.2 32.0 96.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 08/22/2025

Supervised By :Mahesh Dadoda 08/25/2025



#88

1,4-Dichlorobenzene

Concen: 20.037 ug/l

RT: 13.788 min Scan# 2012

Delta R.T. 0.000 min

Lab File: VN087621.D

Acq: 21 Aug 2025 13:41

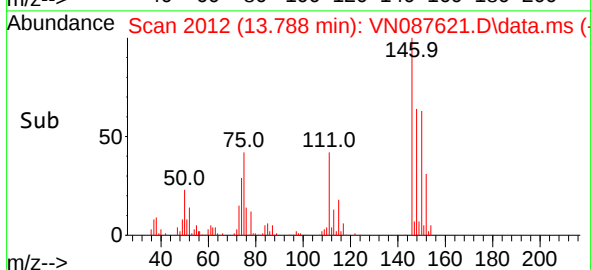
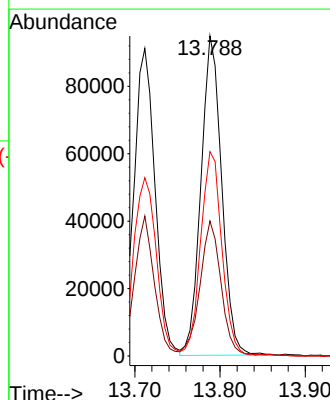
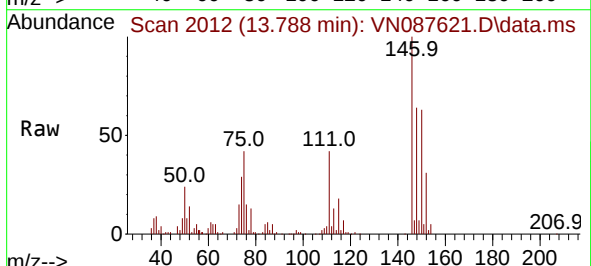
Tgt Ion:146 Resp: 160067

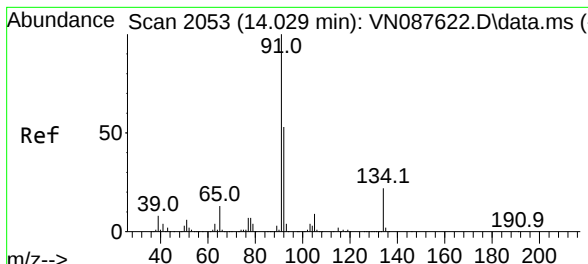
Ion Ratio Lower Upper

146 100

111 42.1 21.0 63.0

148 66.0 32.0 96.0





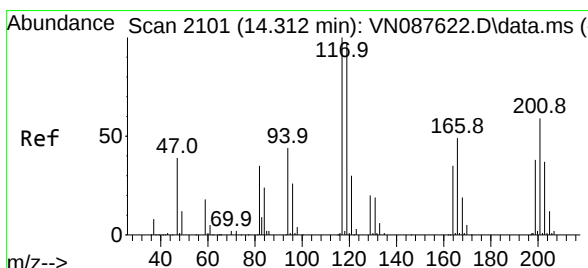
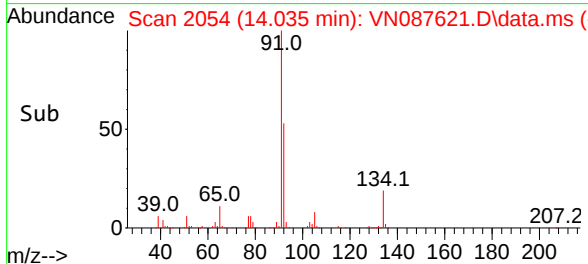
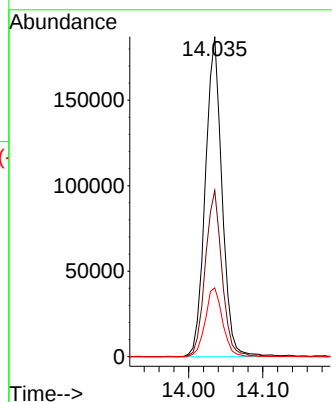
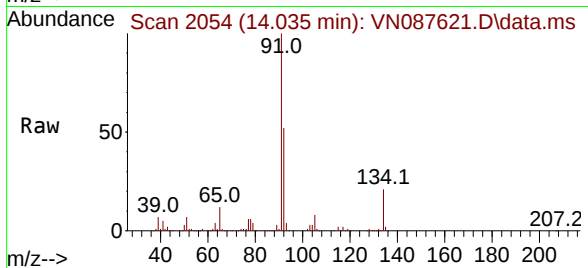
#89
n-Butylbenzene
Concen: 20.652 ug/l
RT: 14.035 min Scan# 2053
Delta R.T. 0.006 min
Lab File: VN087621.D
Acq: 21 Aug 2025 13:41

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tgt Ion: 91 Resp: 293738
Ion Ratio Lower Upper
91 100
92 52.1 25.9 77.8
134 22.3 11.7 35.0

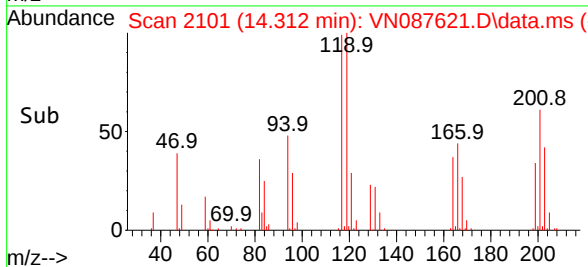
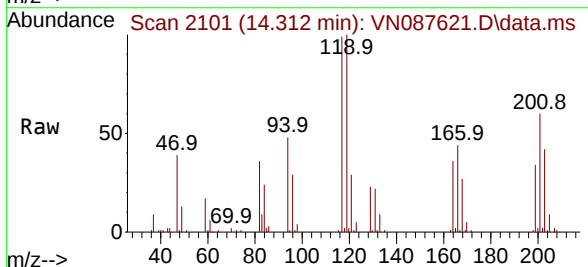
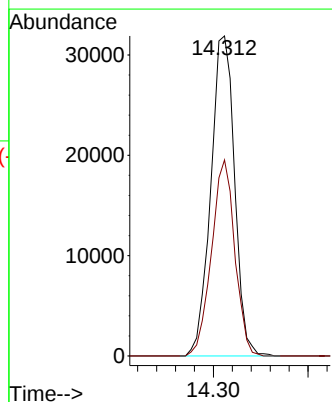
Manual Integrations
APPROVED

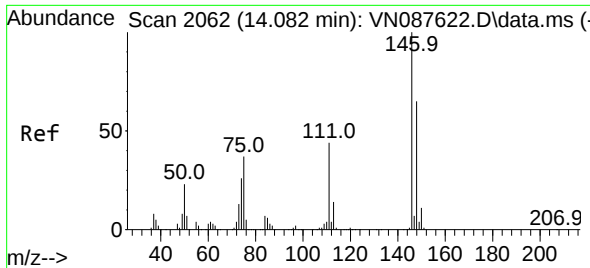
Reviewed By :John Carlone 08/22/2025
Supervised By :Mahesh Dadoda 08/25/2025



#90
Hexachloroethane
Concen: 20.391 ug/l
RT: 14.312 min Scan# 2101
Delta R.T. 0.000 min
Lab File: VN087621.D
Acq: 21 Aug 2025 13:41

Tgt Ion:117 Resp: 55637
Ion Ratio Lower Upper
117 100
201 59.9 29.1 87.4





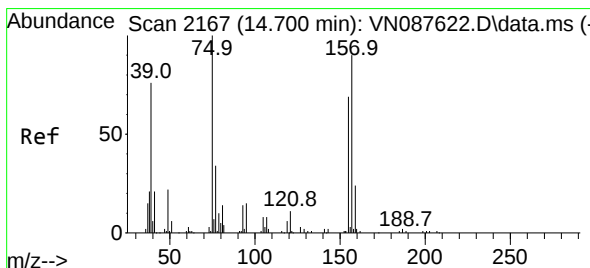
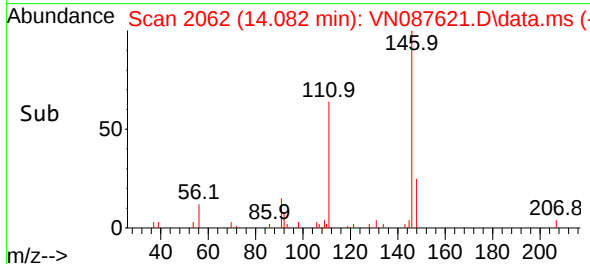
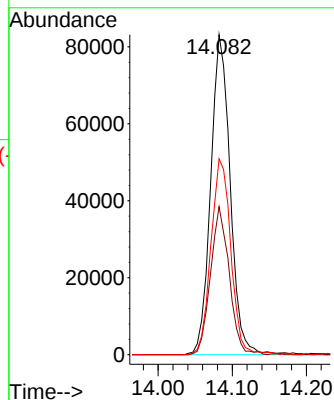
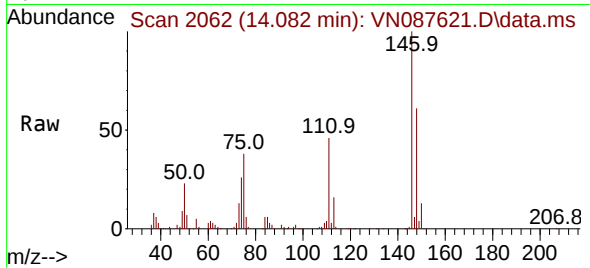
#91
1,2-Dichlorobenzene
Concen: 20.823 ug/l
RT: 14.082 min Scan# 2062
Delta R.T. 0.000 min
Lab File: VN087621.D
Acq: 21 Aug 2025 13:41

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion:146 Resp: 151644
Ion Ratio Lower Upper
146 100
111 44.5 22.6 67.8
148 62.7 31.9 95.9

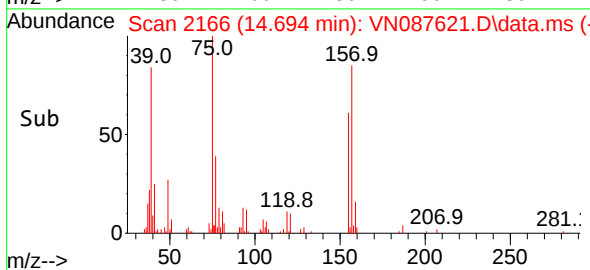
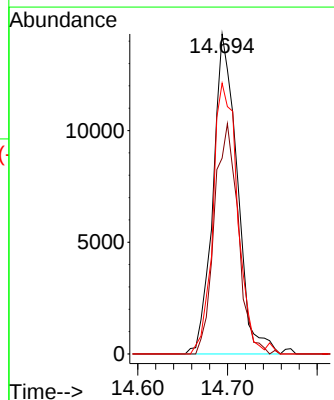
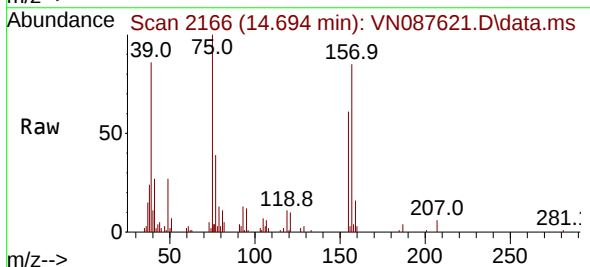
Manual Integrations
APPROVED

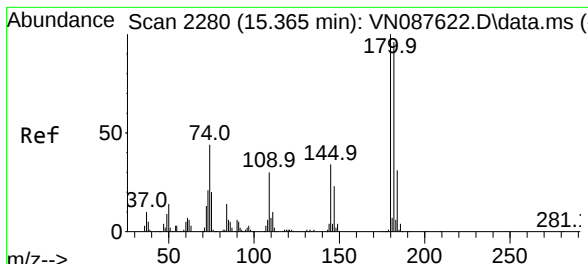
Reviewed By :John Carlone 08/22/2025
Supervised By :Mahesh Dadoda 08/25/2025



#92
1,2-Dibromo-3-Chloropropane
Concen: 19.891 ug/l
RT: 14.694 min Scan# 2166
Delta R.T. -0.006 min
Lab File: VN087621.D
Acq: 21 Aug 2025 13:41

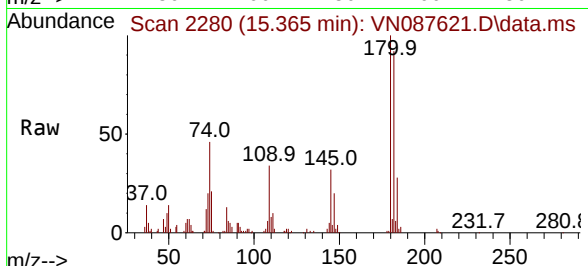
Tgt Ion: 75 Resp: 26895
Ion Ratio Lower Upper
75 100
155 70.8 36.6 109.9
157 86.3 45.6 136.9





#93
 1,2,4-Trichlorobenzene
 Concen: 20.236 ug/l
 RT: 15.365 min Scan# 2180
 Delta R.T. 0.000 min
 Lab File: VN087621.D
 Acq: 21 Aug 2025 13:41

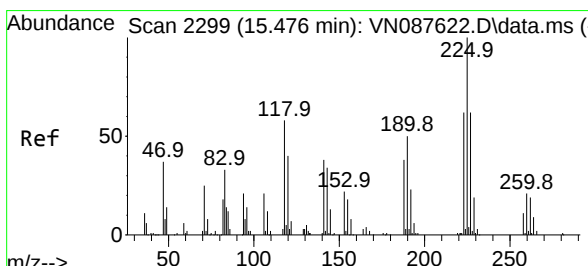
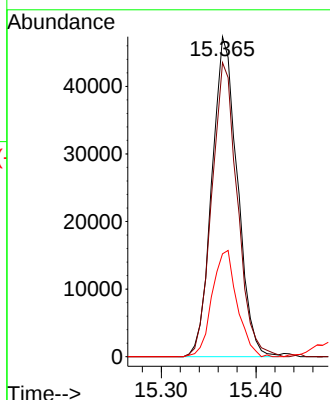
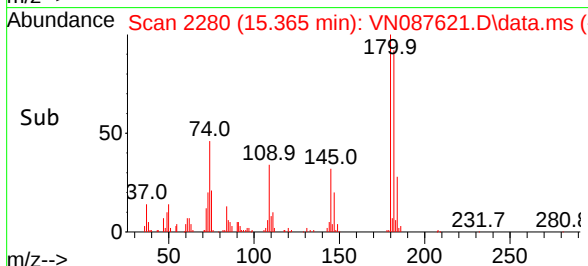
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020



Tgt Ion:	180	Resp:	88494
Ion Ratio	Lower	Upper	
180	100		
182	92.0	47.6	142.9
145	32.5	16.5	49.5

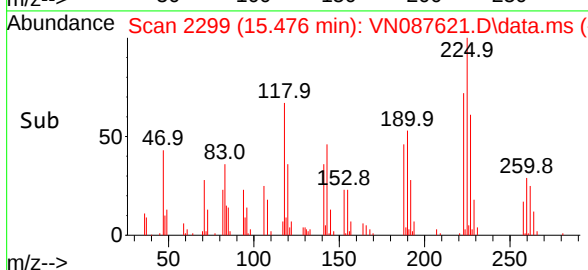
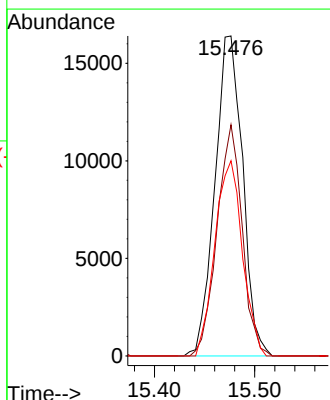
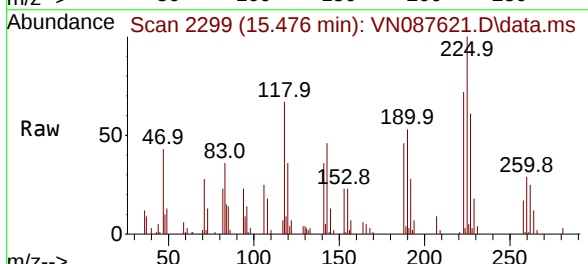
Manual Integrations
 APPROVED

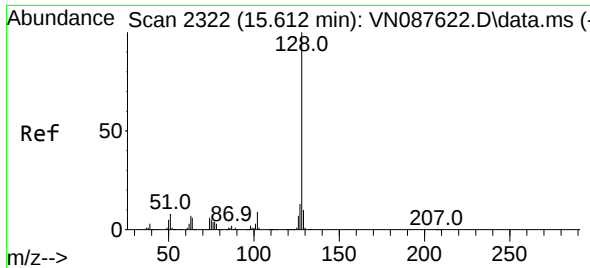
Reviewed By :John Carlone 08/22/2025
 Supervised By :Mahesh Dadoda 08/25/2025



#94
 Hexachlorobutadiene
 Concen: 20.203 ug/l
 RT: 15.476 min Scan# 2299
 Delta R.T. 0.000 min
 Lab File: VN087621.D
 Acq: 21 Aug 2025 13:41

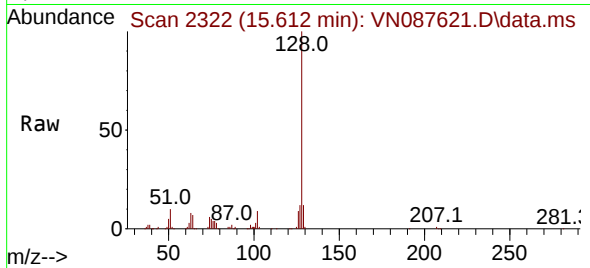
Tgt Ion:	225	Resp:	31498
Ion Ratio	Lower	Upper	
225	100		
223	65.5	32.0	96.2
227	60.7	32.1	96.5





#95
Naphthalene
Concen: 19.677 ug/l
RT: 15.612 min Scan# 2322
Delta R.T. 0.000 min
Lab File: VN087621.D
Acq: 21 Aug 2025 13:41

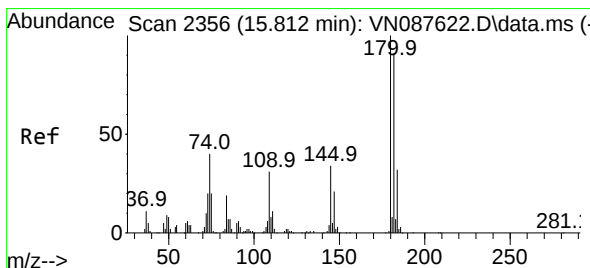
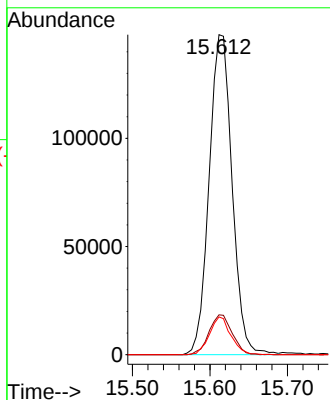
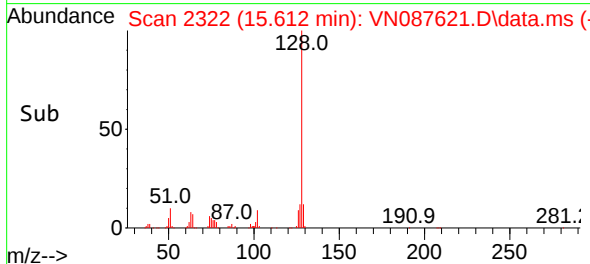
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020



Tgt Ion:128 Resp: 304789
Ion Ratio Lower Upper
128 100
127 12.5 10.6 15.8
129 11.0 8.6 12.8

Manual Integrations
APPROVED

Reviewed By :John Carlone 08/22/2025
Supervised By :Mahesh Dadoda 08/25/2025



#96
1,2,3-Trichlorobenzene
Concen: 20.278 ug/l
RT: 15.812 min Scan# 2356
Delta R.T. 0.000 min
Lab File: VN087621.D
Acq: 21 Aug 2025 13:41

Tgt Ion:180 Resp: 86694
Ion Ratio Lower Upper
180 100
182 92.2 46.8 140.3
145 34.6 17.3 52.0

