

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN070925\
 Data File : VN087314.D
 Acq On : 09 Jul 2025 16:42
 Operator : JC\MD
 Sample : VSTDCCC020
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 07/10/2025
 Supervised By : Mahesh Dadoda 07/10/2025

Quant Time: Jul 10 01:27:47 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N062525W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Jun 25 10:49:56 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	7.824	128	38507	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.106	114	189701	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.865	117	186273	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.588	65	82075	28.289	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery =	94.300%		
60) 4-Bromofluorobenzene	12.847	95	88433	30.766	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery =	102.567%		
63) Toluene-d8	10.565	98	244862	29.277	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery =	97.600%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.159	85	37035	15.977	ug/l	95
3) Chloromethane	2.401	50	34115	14.409	ug/l	96
4) Vinyl Chloride	2.553	62	37777	14.681	ug/l	99
5) Bromomethane	3.001	94	36785	26.937	ug/l	92
6) Chloroethane	3.153	64	34312	24.859	ug/l	99
7) Trichlorofluoromethane	3.524	101	64118	20.315	ug/l	98
8) Diethyl Ether	3.989	74	23319m	15.038	ug/l	
9) 1,1,2-Trichlorotrifluo...	4.395	101	41004m	17.523	ug/l	
10) 1,1-Dichloroethene	4.365	96	37178	15.938	ug/l	92
11) Methyl Iodide	4.618	142	40984	19.612	ug/l	93
12) Methyl Acetate	5.047	43	56519	15.447	ug/l	97
13) Acrolein	4.206	56	58912	104.785	ug/l	99
14) Acrylonitrile	5.736	53	128417	75.246	ug/l	93
15) Acetone	4.442	58	40877	82.111	ug/l	95
16) Carbon Disulfide	4.736	76	101968	14.951	ug/l	97
17) Allyl chloride	5.047	41	48949	12.723	ug/l	93
18) Methylene Chloride	5.294	84	51507	19.061	ug/l	96
19) trans-1,2-Dichloroethene	5.806	96	44270m	17.355	ug/l	
20) Diisopropyl ether	6.683	45	120977	14.821	ug/l	96
21) 1,1-Dichloroethane	6.589	63	79960	16.390	ug/l	99
22) cis-1,2-Dichloroethene	7.494	96	52518	17.690	ug/l	94
23) tert-Butyl Alcohol	5.536	59	48617m	75.748	ug/l	
24) Methyl tert-Butyl Ether	5.818	73	139720	17.079	ug/l	97
25) Chloroform	7.977	83	92313	19.751	ug/l	99
26) Cyclohexane	8.265	56	54157	13.355	ug/l #	86
29) 1,1-Dichloropropene	8.377	75	56529	19.119	ug/l	97
30) 2-Butanone	7.488	43	170470	85.470	ug/l	92
31) 2,2-Dichloropropane	7.500	77	76518	21.439	ug/l	98
32) 1,1,1-Trichloroethane	8.177	97	80030	23.168	ug/l	96
33) Carbon Tetrachloride	8.365	117	68560	23.585	ug/l	95
34) Benzene	8.612	78	182633	19.497	ug/l	97
35) Methacrylonitrile	7.788	41	35618	17.720	ug/l	87
36) 1,2-Dichloroethane	8.677	62	68101	22.502	ug/l	99
37) Trichloroethene	9.353	130	46654	21.593	ug/l	82
38) Methylcyclohexane	9.606	83	57138	16.842	ug/l	95
39) 1,2-Dichloropropane	9.624	63	44033	18.729	ug/l	93
40) Dibromomethane	9.712	93	37529	23.475	ug/l	97
41) Bromodichloromethane	9.888	83	72526	22.476	ug/l	93
42) Vinyl Acetate	6.618	43	520166	80.184	ug/l #	94

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	7.571	43	61664	17.127	ug/l	98
44) Isopropyl Acetate	8.694	43	99006	16.877	ug/l	92
45) 1,4-Dioxane	9.700	88	15474	389.943	ug/l #	82
46) Methyl methacrylate	9.688	41	44866	16.452	ug/l	91
47) n-amyl Acetate	12.541	43	68036m	18.970	ug/l	
48) t-1,3-Dichloropropene	10.835	75	70748	19.667	ug/l	100
49) cis-1,3-Dichloropropene	10.312	75	74893	19.584	ug/l	99
50) 1,1,2-Trichloroethane	11.018	97	49733	21.900	ug/l	93
51) Ethyl methacrylate	10.882	69	56703	16.405	ug/l	94
52) 1,3-Dichloropropane	11.165	76	77946	19.993	ug/l	97
53) Dibromochloromethane	11.359	129	57590	24.159	ug/l	97
54) 1,2-Dibromoethane	11.471	107	52680	22.484	ug/l	96
55) 2-Chloroethyl vinyl ether	10.165	63	158262	79.881	ug/l	96
56) Bromoform	12.576	173	37345	22.789	ug/l #	98
58) 4-Methyl-2-Pentanone	10.447	43	310331	82.870	ug/l	98
59) 2-Hexanone	11.206	43	178152	73.674	ug/l	96
61) Tetrachloroethene	11.106	164	36835	19.968	ug/l	89
62) Toluene	10.629	91	205518	19.535	ug/l	99
64) Chlorobenzene	11.894	112	139979	20.859	ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.959	131	51671	23.303	ug/l	95
66) Ethyl Benzene	11.965	91	220704	19.166	ug/l	99
67) m/p-Xylenes	12.070	106	178363	40.421	ug/l	95
68) o-Xylene	12.400	106	83598	19.858	ug/l	95
69) Styrene	12.412	104	145285	20.102	ug/l	99
70) Isopropylbenzene	12.694	105	211869	20.208	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.935	83	79190	20.984	ug/l	99
72) 1,2,3-Trichloropropane	12.994	75	67122m	20.625	ug/l	
73) Bromobenzene	12.982	156	58538	23.016	ug/l	83
74) n-propylbenzene	13.035	91	259224	20.238	ug/l	96
75) 2-Chlorotoluene	13.123	91	160710	20.768	ug/l	94
76) 1,3,5-Trimethylbenzene	13.170	105	181842	21.304	ug/l	99
77) t-1,4-Dichloro-2-butene	12.735	75	26583	18.415	ug/l	91
78) 4-Chlorotoluene	13.217	91	167189	21.095	ug/l	95
79) tert-butylbenzene	13.435	119	153765	21.431	ug/l	99
80) 1,2,4-Trimethylbenzene	13.482	105	182147	21.252	ug/l	98
81) sec-Butylbenzene	13.612	105	218397	20.940	ug/l	96
82) p-Isopropyltoluene	13.729	119	187455	21.597	ug/l	97
83) 1,3-Dichlorobenzene	13.735	146	113301	23.134	ug/l	99
84) 1,4-Dichlorobenzene	13.812	146	113116	22.949	ug/l	99
85) n-Butylbenzene	14.053	91	161050	20.337	ug/l	98
86) Hexachloroethane	14.329	117	36678	22.324	ug/l	96
87) 1,2-Dichlorobenzene	14.106	146	108070	23.402	ug/l	99
88) 1,2-Dibromo-3-Chloropr...	14.717	75	17976	21.154	ug/l	89
89) 1,2,4-Trichlorobenzene	15.835	180	56549	21.644	ug/l	99
90) Hexachlorobutadiene	15.500	225	14931	19.259	ug/l	96
91) Naphthalene	15.641	128	206744	20.106	ug/l	100
92) 1,2,3-Trichlorobenzene	15.835	180	56549	21.644	ug/l	99

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

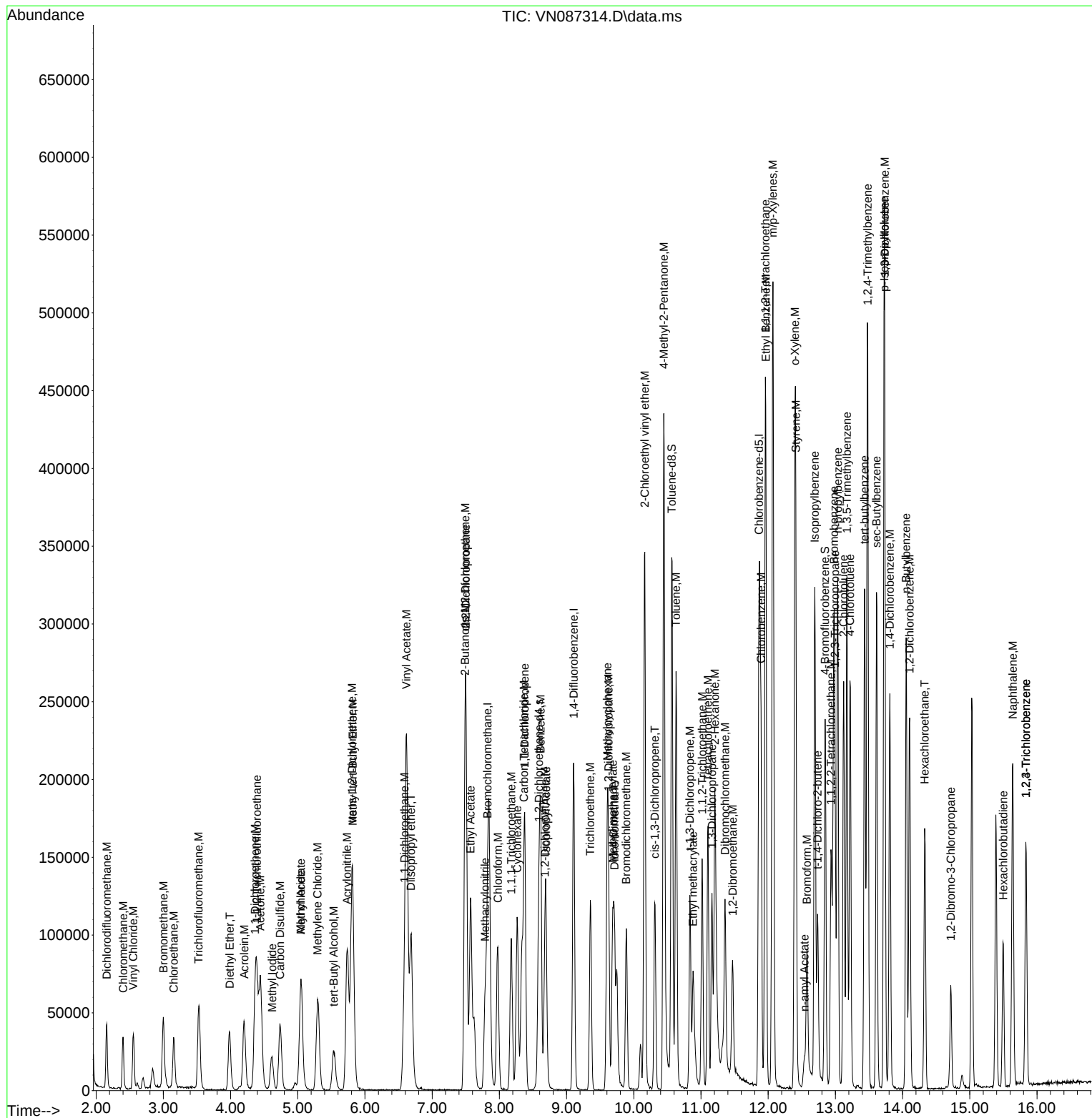
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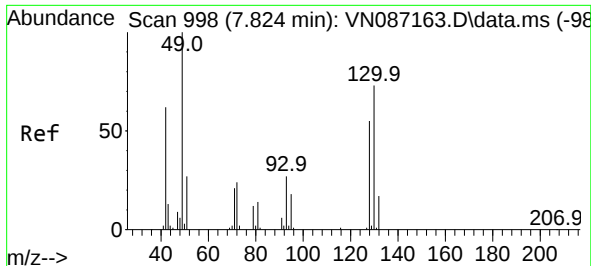
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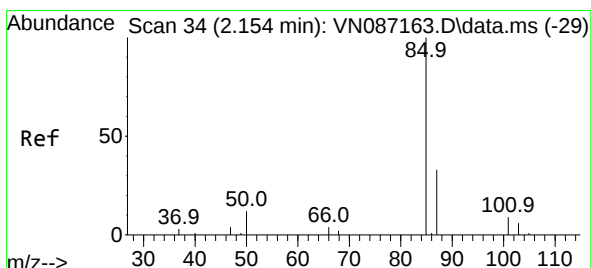
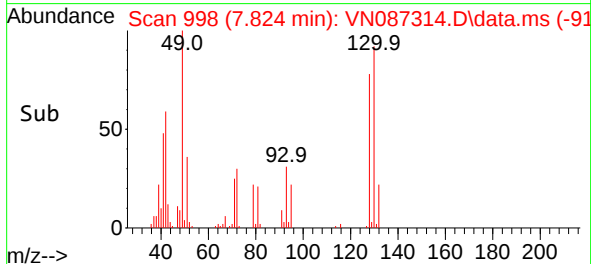
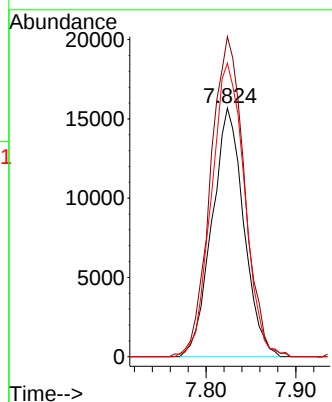
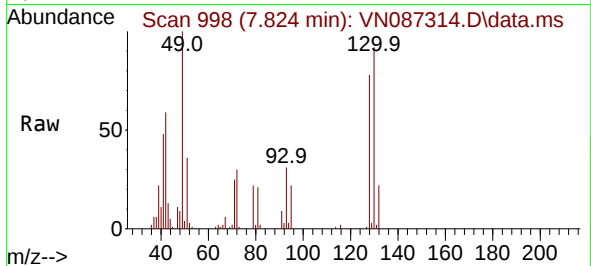
#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.824 min Scan# 91
Delta R.T. -0.000 min
Lab File: VN087314.D
Acq: 09 Jul 2025 16:42

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tgt Ion:128 Resp: 3850
Ion Ratio Lower Upper
128 100
49 137.3 0.0 450.5
130 123.7 0.0 320.7

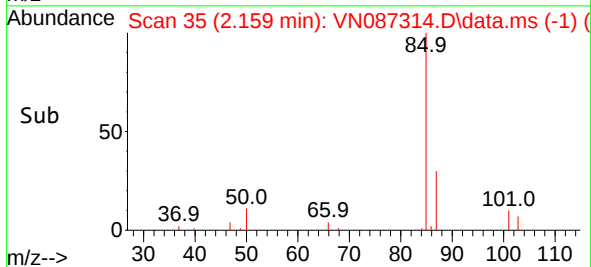
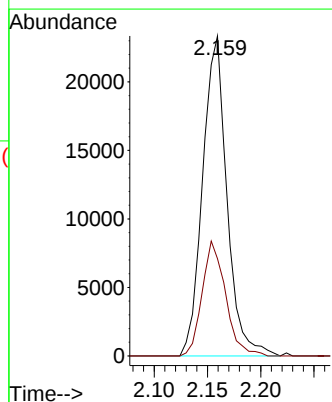
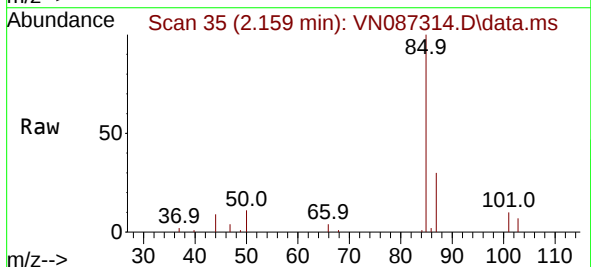
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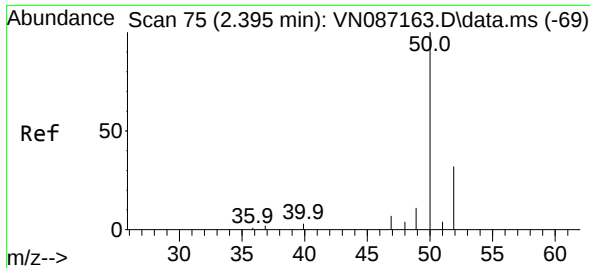
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#2
Dichlorodifluoromethane
Concen: 15.977 ug/l
RT: 2.159 min Scan# 35
Delta R.T. 0.006 min
Lab File: VN087314.D
Acq: 09 Jul 2025 16:42

Tgt Ion: 85 Resp: 37035
Ion Ratio Lower Upper
85 100
87 30.4 16.7 50.0





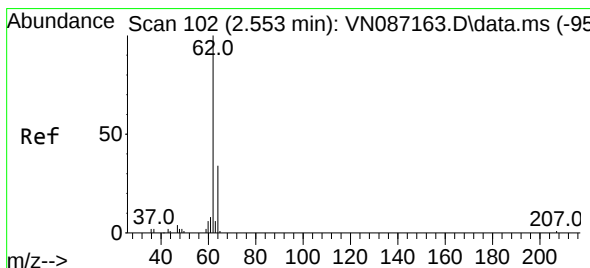
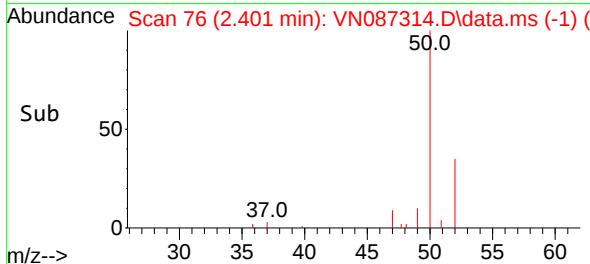
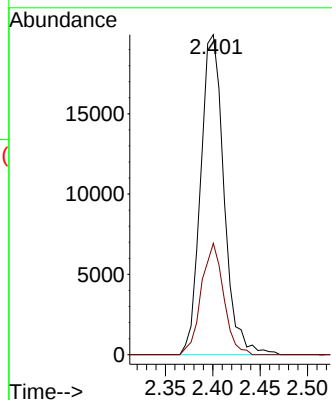
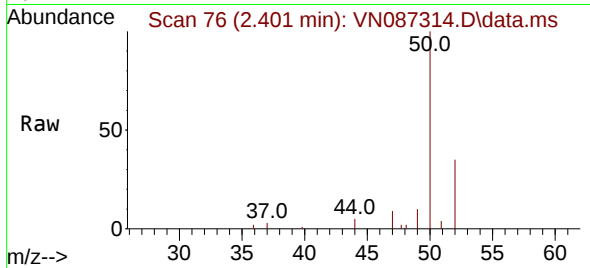
#3
Chloromethane
Concen: 14.409 ug/l
RT: 2.401 min Scan# 75
Delta R.T. 0.006 min
Lab File: VN087314.D
Acq: 09 Jul 2025 16:42

Instrument :
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Tgt Ion: 50 Resp: 3411
Ion Ratio Lower Upper
50 100
52 34.8 25.9 38.9

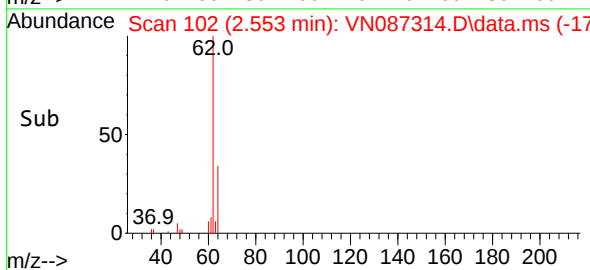
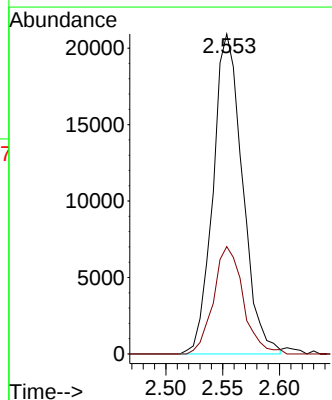
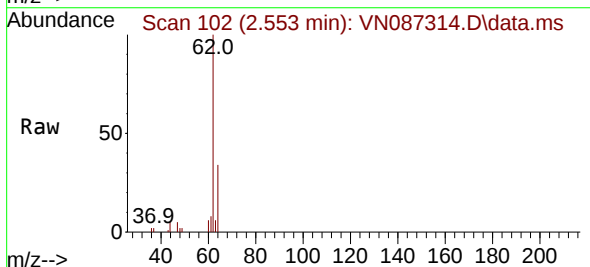
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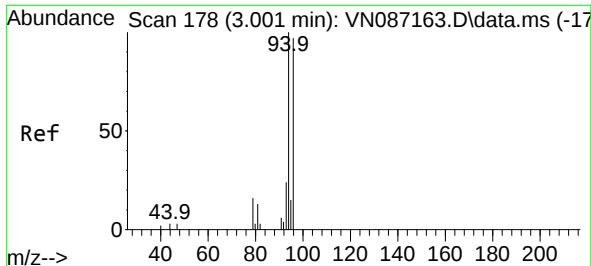
Reviewed By :John Carlone 07/10/2025
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#4
Vinyl Chloride
Concen: 14.681 ug/l
RT: 2.553 min Scan# 102
Delta R.T. 0.000 min
Lab File: VN087314.D
Acq: 09 Jul 2025 16:42

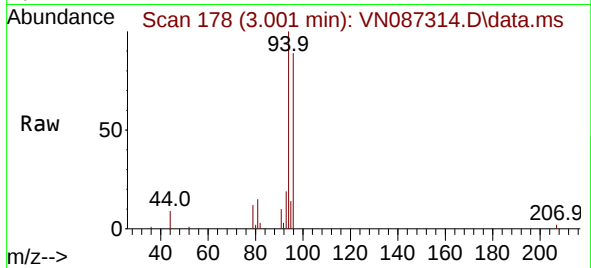
Tgt Ion: 62 Resp: 37777
Ion Ratio Lower Upper
62 100
64 33.5 27.4 41.2





#5
Bromomethane
Concen: 26.937 ug/l
RT: 3.001 min Scan# 178
Delta R.T. 0.000 min
Lab File: VN087314.D
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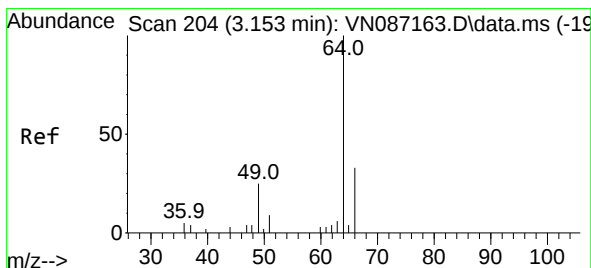
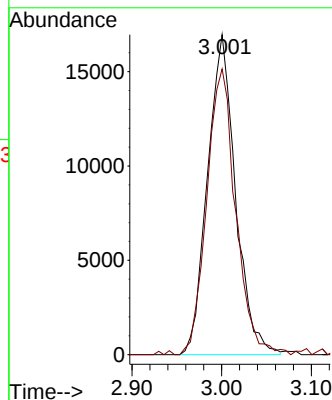
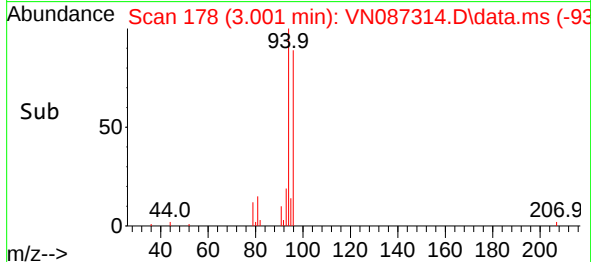
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Tgt Ion: 94 Resp: 3678
Ion Ratio Lower Upper
94 100
96 89.3 77.9 116.9

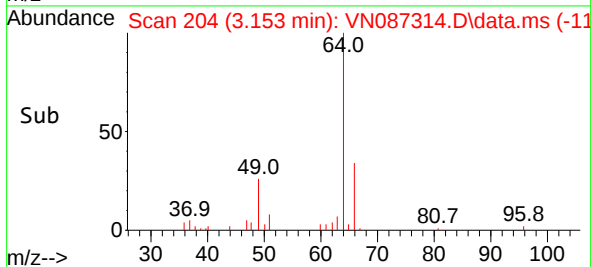
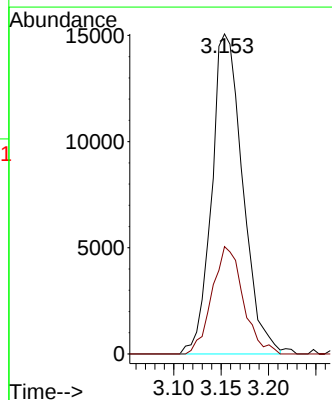
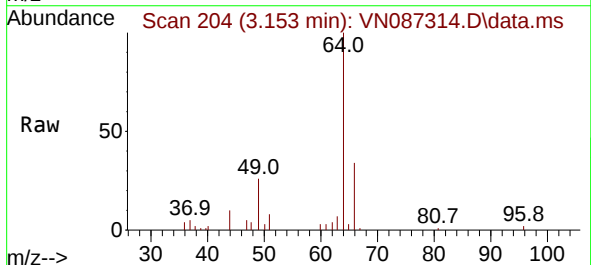
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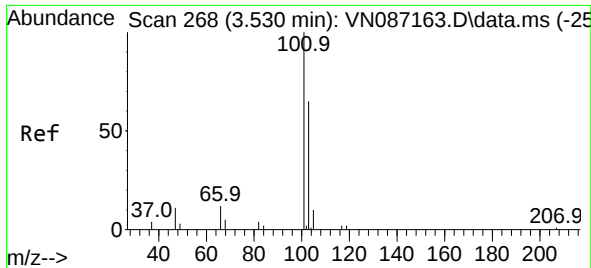
Reviewed By :John Carlone 07/10/2025
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#6
Chloroethane
Concen: 24.859 ug/l
RT: 3.153 min Scan# 204
Delta R.T. 0.000 min
Lab File: VN087314.D
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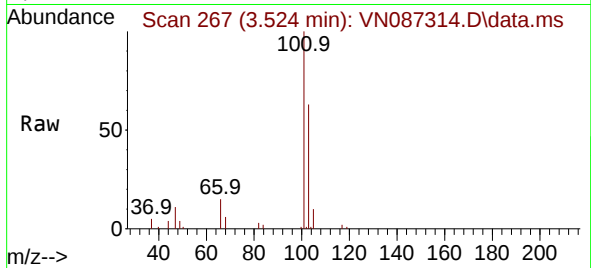
Tgt Ion: 64 Resp: 34312
Ion Ratio Lower Upper
64 100
66 33.5 26.4 39.6





#7
 Trichlorofluoromethane
 Concen: 20.315 ug/l
 RT: 3.524 min Scan# 20
 Delta R.T. -0.006 min
 Lab File: VN087314.D
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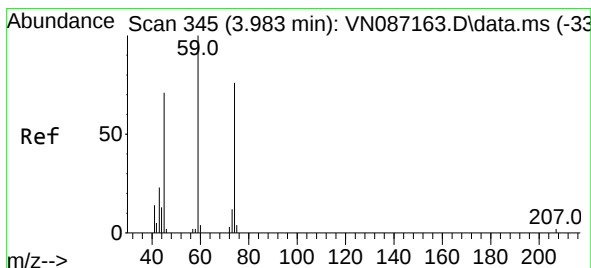
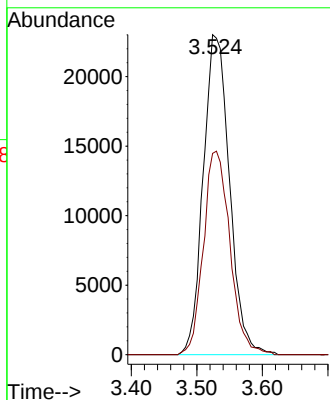
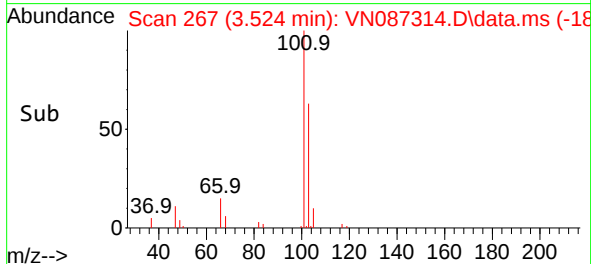
Instrument :
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 VSTDCCC020EC



Tgt Ion:101 Resp: 64118
 Ion Ratio Lower Upper
 101 100
 103 62.9 51.8 77.8

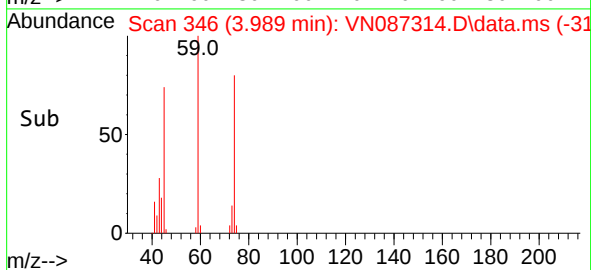
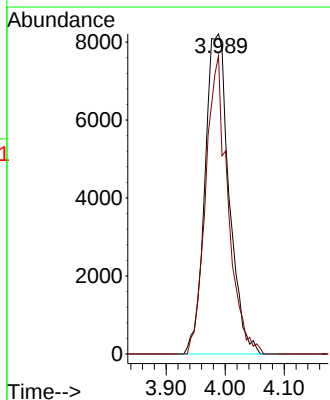
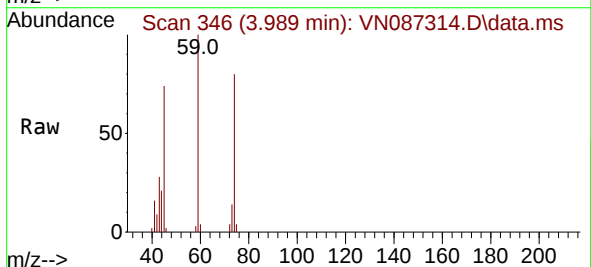
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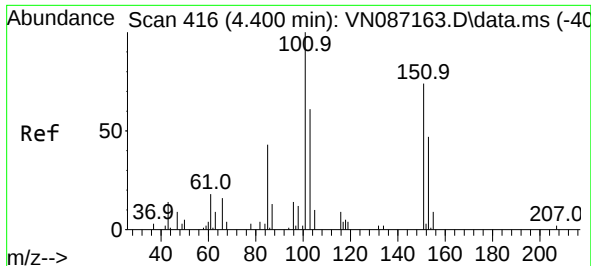
Reviewed By :John Carlone 07/10/2025
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#8
 Diethyl Ether
 Concen: 15.038 ug/l m
 RT: 3.989 min Scan# 346
 Delta R.T. 0.006 min
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Tgt Ion: 74 Resp: 23319
 Ion Ratio Lower Upper
 74 100
 45 85.1 19.0 171.0





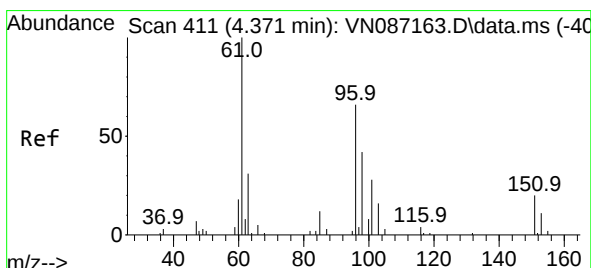
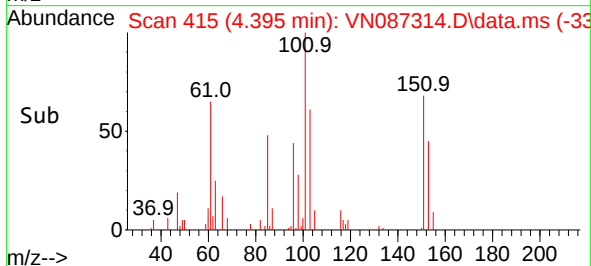
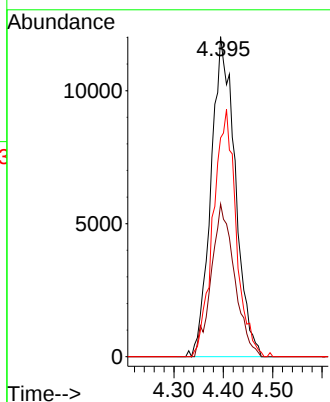
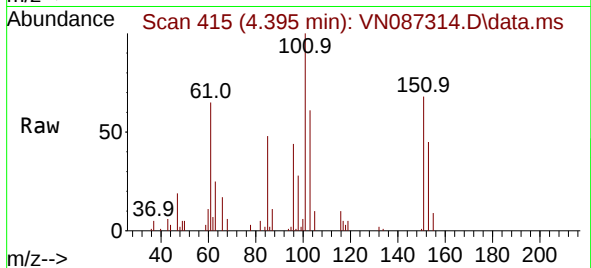
#9
1,1,2-Trichlorotrifluoroethane
Concen: 17.523 ug/l m
RT: 4.395 min Scan# 410
Delta R.T. -0.006 min
Lab File: VN087314.D
Acq: 09 Jul 2025 16:42

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tgt Ion:101 Resp: 41004
Ion Ratio Lower Upper
101 100
85 45.7 0.0 40.6
151 73.1 0.0 141.2

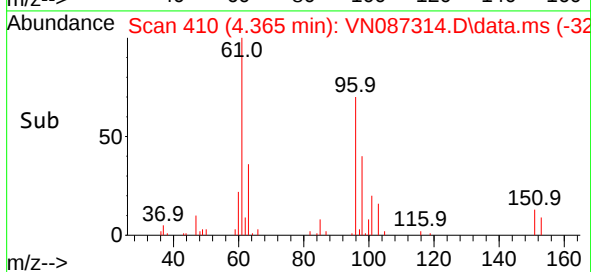
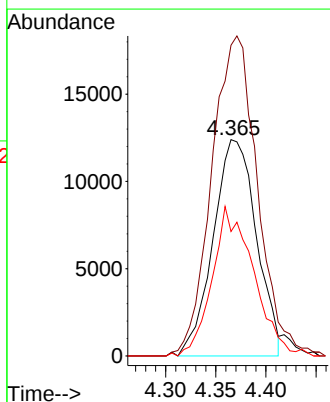
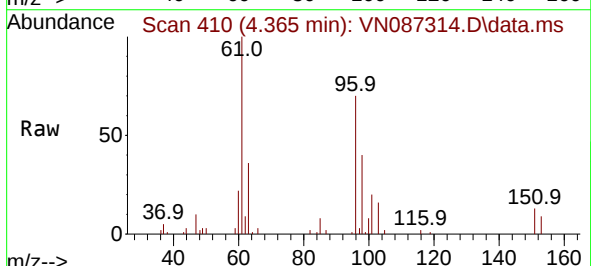
Manual Integrations
APPROVED

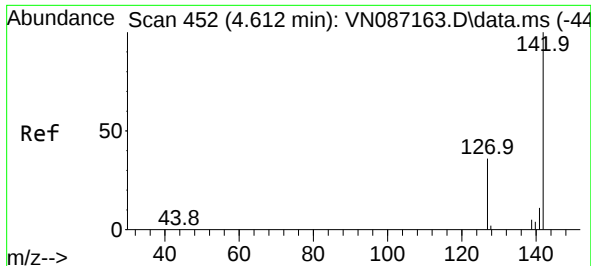
Reviewed By :John Carlone 07/10/2025
Supervised By :Mahesh Dadoda 07/10/2025



#10
1,1-Dichloroethene
Concen: 15.938 ug/l
RT: 4.365 min Scan# 410
Delta R.T. -0.006 min
Lab File: VN087314.D
Acq: 09 Jul 2025 16:42

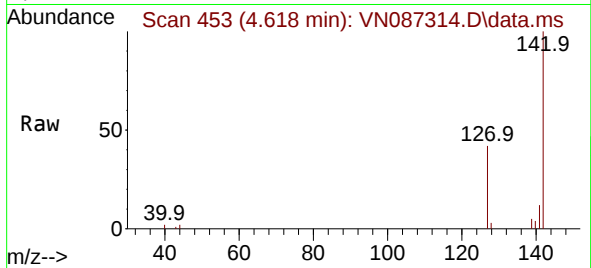
Tgt Ion: 96 Resp: 37178
Ion Ratio Lower Upper
96 100
61 141.0 122.0 183.0
98 57.5 50.3 75.5





#11
Methyl Iodide
Concen: 19.612 ug/l
RT: 4.618 min Scan# 41
Delta R.T. 0.006 min
Lab File: VN087314.D
Acq: 09 Jul 2025 16:42

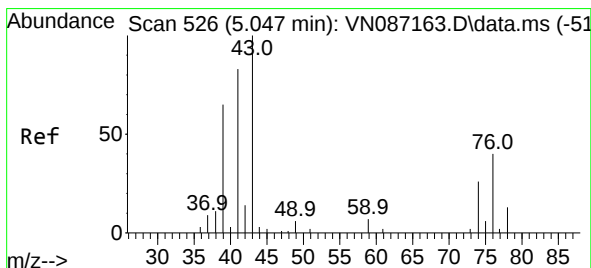
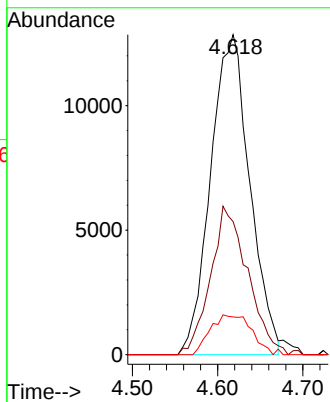
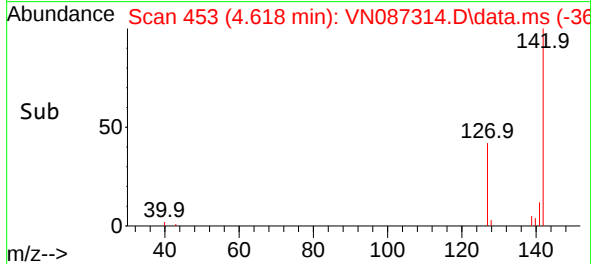
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



Tgt Ion:142 Resp: 40984
Ion Ratio Lower Upper
142 100
127 41.1 18.1 54.1
141 11.1 5.7 17.1

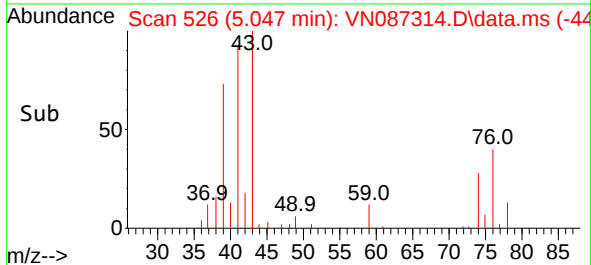
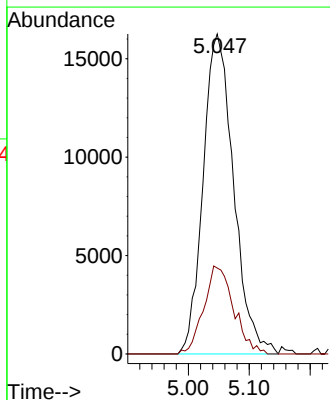
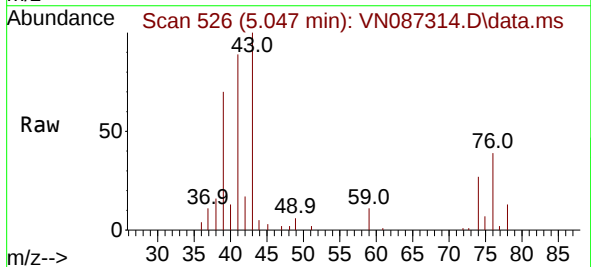
Manual Integrations
APPROVED

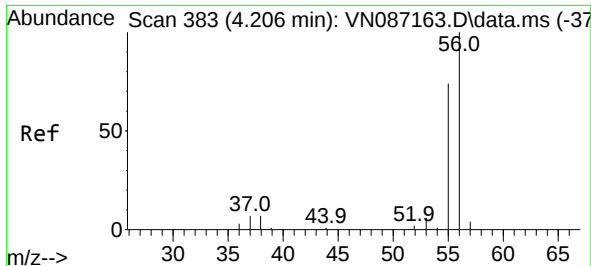
Reviewed By :John Carlone 07/10/2025
Supervised By :Mahesh Dadoda 07/10/2025



#12
Methyl Acetate
Concen: 15.447 ug/l
RT: 5.047 min Scan# 526
Delta R.T. 0.000 min
Lab File: VN087314.D
Acq: 09 Jul 2025 16:42

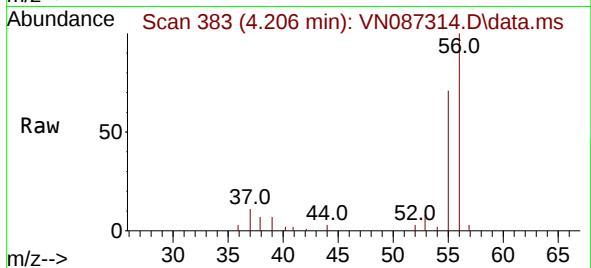
Tgt Ion: 43 Resp: 56519
Ion Ratio Lower Upper
43 100
74 26.9 20.3 30.5





#13
Acrolein
Concen: 104.785 ug/l
RT: 4.206 min Scan# 383
Delta R.T. 0.000 min
Lab File: VN087314.D
Acq: 09 Jul 2025 16:42

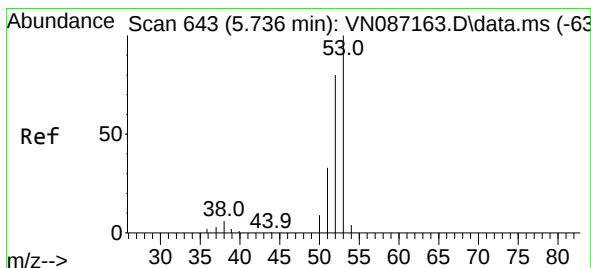
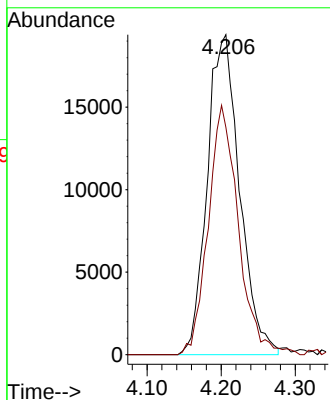
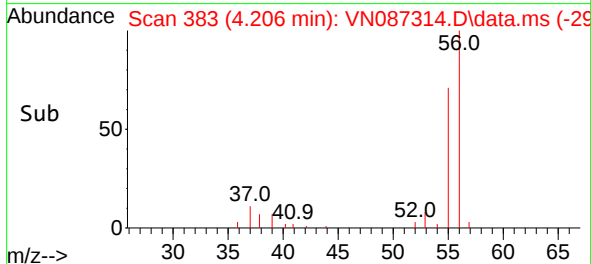
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



Tgt Ion: 56 Resp: 58912
Ion Ratio Lower Upper
56 100
55 70.4 55.7 83.5

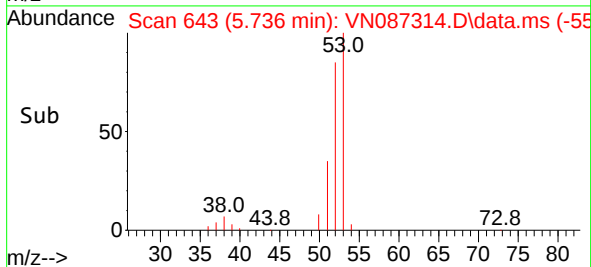
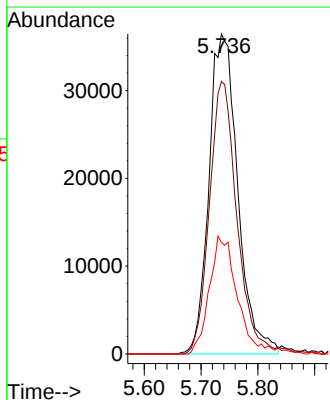
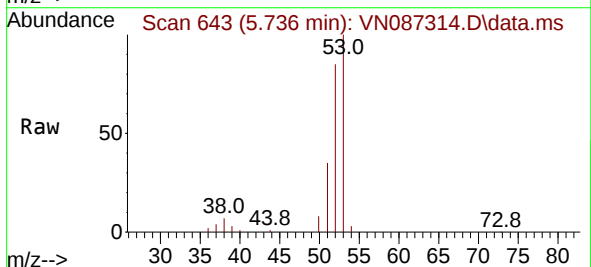
Manual Integrations
APPROVED

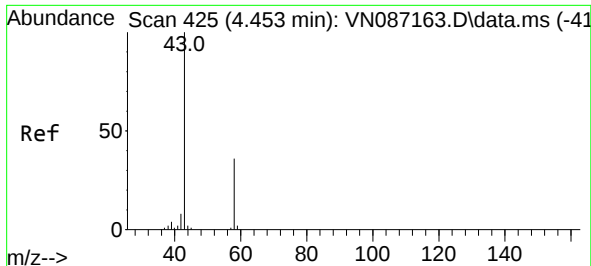
Reviewed By :John Carlone 07/10/2025
Supervised By :Mahesh Dadoda 07/10/2025



#14
Acrylonitrile
Concen: 75.246 ug/l
RT: 5.736 min Scan# 643
Delta R.T. 0.000 min
Lab File: VN087314.D
Acq: 09 Jul 2025 16:42

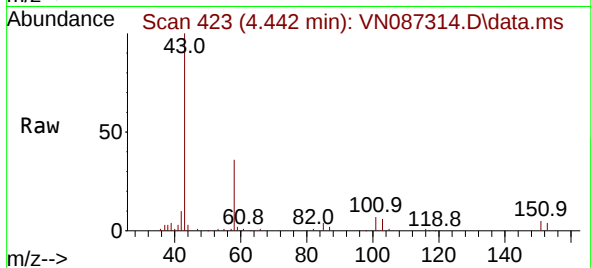
Tgt Ion: 53 Resp: 128417
Ion Ratio Lower Upper
53 100
52 80.8 40.5 121.5
51 20.3 16.9 50.7





#15
Acetone
Concen: 82.111 ug/l
RT: 4.442 min Scan# 41
Delta R.T. -0.012 min
Lab File: VN087314.D
Acq: 09 Jul 2025 16:42

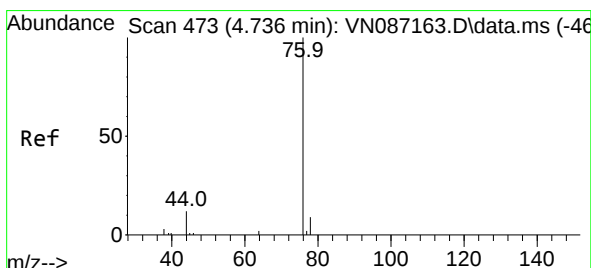
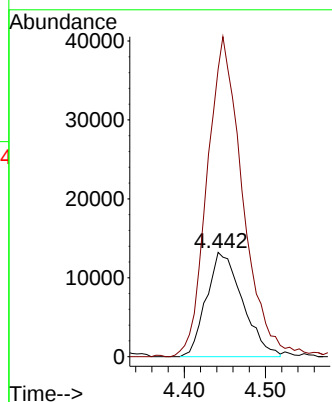
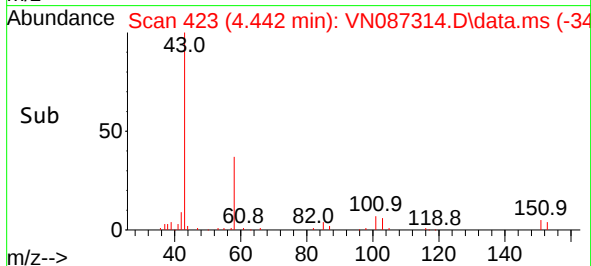
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



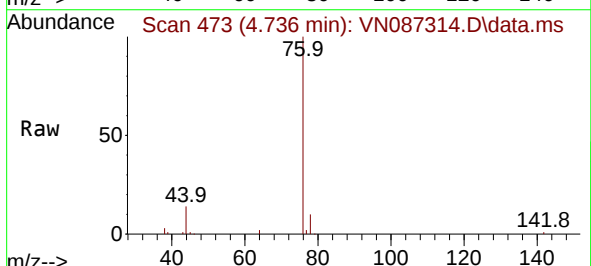
Tgt Ion: 58 Resp: 4087
Ion Ratio Lower Upper
58 100
43 270.2 224.3 336.5

Manual Integrations
APPROVED

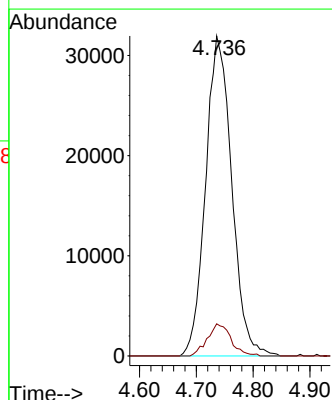
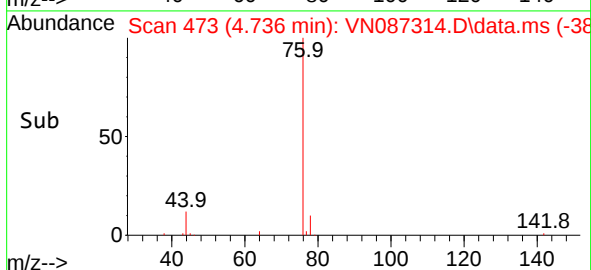
Reviewed By :John Carlone 07/10/2025
Supervised By :Mahesh Dadoda 07/10/2025

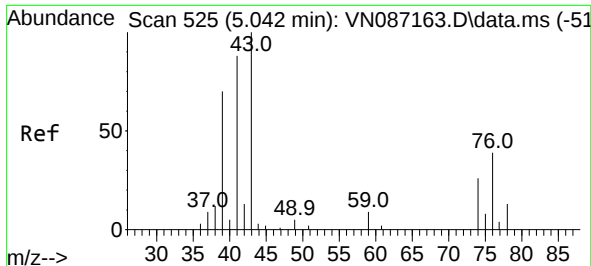


#16
Carbon Disulfide
Concen: 14.951 ug/l
RT: 4.736 min Scan# 473
Delta R.T. 0.000 min
Lab File: VN087314.D
Acq: 09 Jul 2025 16:42



Tgt Ion: 76 Resp: 101968
Ion Ratio Lower Upper
76 100
78 10.1 7.2 10.8





#17

Allyl chloride

Concen: 12.723 ug/l

RT: 5.047 min Scan# 51

Delta R.T. 0.006 min

Lab File: VN087314.D

Acq: 09 Jul 2025 16:42

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

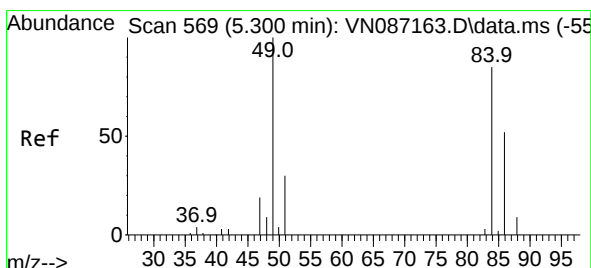
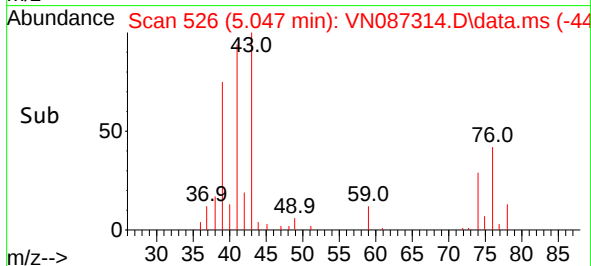
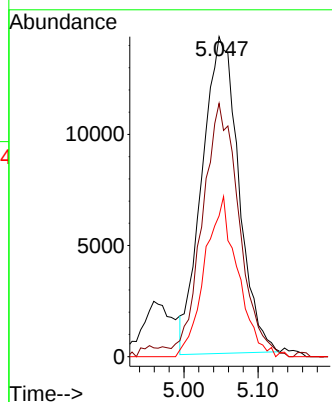
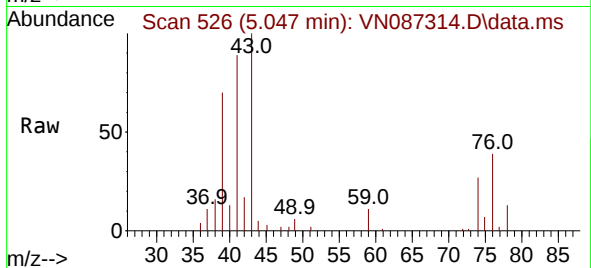
Tgt Ion:	41	Resp:	48949
Ion	Ratio	Lower	Upper
41	100		
39	77.3	36.0	108.0
76	43.4	19.5	58.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/10/2025

Supervised By :Mahesh Dadoda 07/10/2025



#18

Methylene Chloride

Concen: 19.061 ug/l

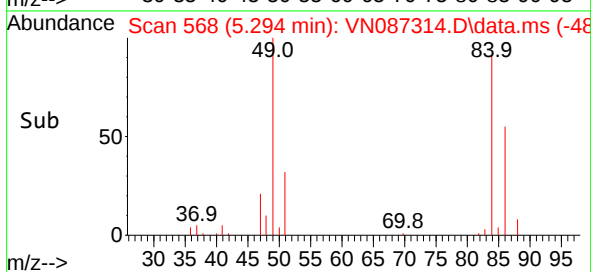
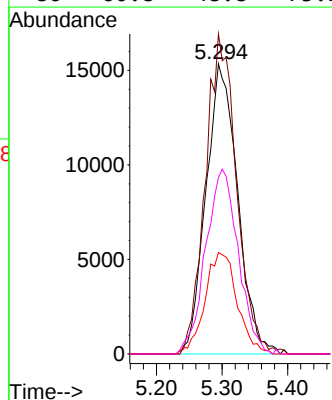
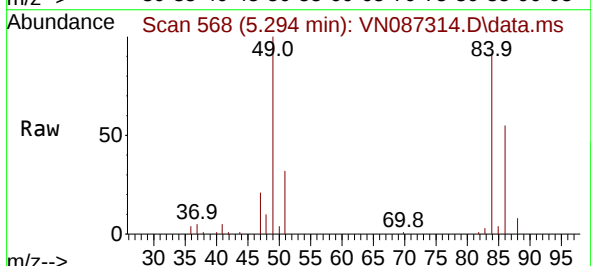
RT: 5.294 min Scan# 568

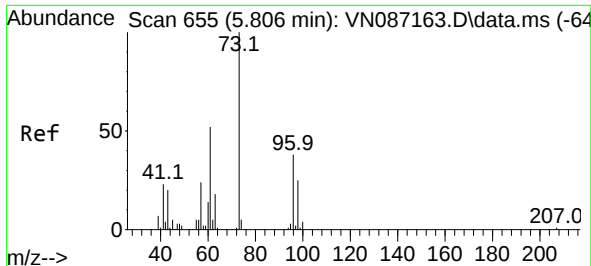
Delta R.T. -0.006 min

Lab File: VN087314.D

Acq: 09 Jul 2025 16:42

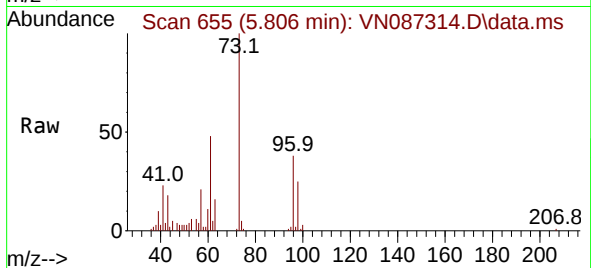
Tgt Ion:	84	Resp:	51507
Ion	Ratio	Lower	Upper
84	100		
49	109.2	94.0	141.0
51	35.0	28.3	42.5
86	60.8	48.8	73.2





#19
trans-1,2-Dichloroethene
Concen: 17.355 ug/l m
RT: 5.806 min Scan# 61
Delta R.T. 0.000 min
Lab File: VN087314.D
Acq: 09 Jul 2025 16:42

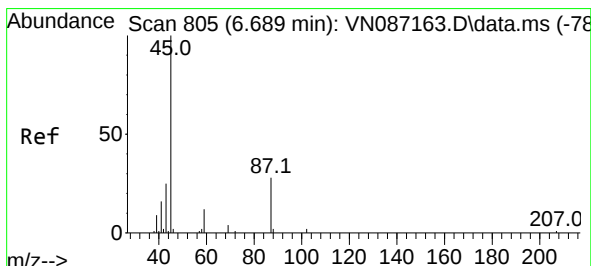
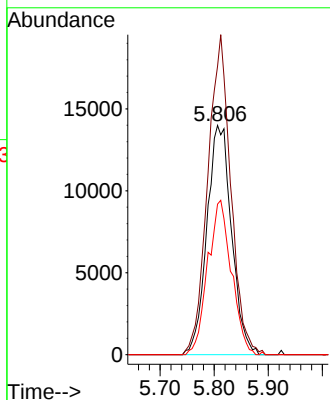
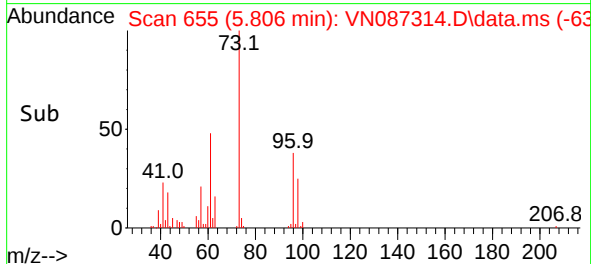
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



Tgt Ion: 96 Resp: 44270
Ion Ratio Lower Upper
96 100
61 125.9 110.3 165.5
98 65.7 51.6 77.4

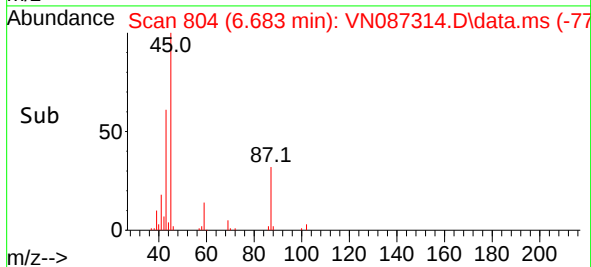
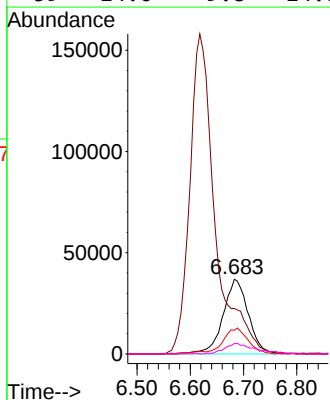
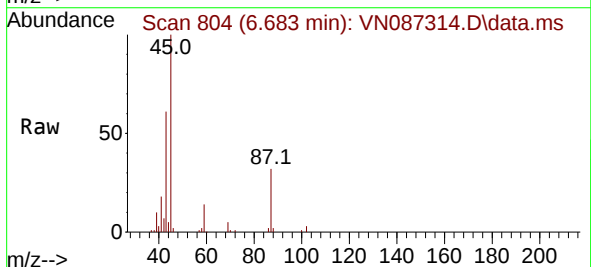
Manual Integrations
APPROVED

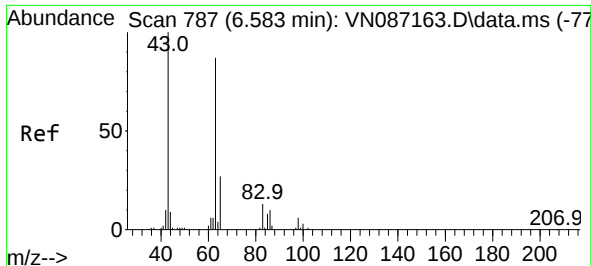
Reviewed By :John Carlone 07/10/2025
Supervised By :Mahesh Dadoda 07/10/2025



#20
Diisopropyl ether
Concen: 14.821 ug/l
RT: 6.683 min Scan# 804
Delta R.T. -0.006 min
Lab File: VN087314.D
Acq: 09 Jul 2025 16:42

Tgt Ion: 45 Resp: 120977
Ion Ratio Lower Upper
45 100
43 58.7 45.3 67.9
87 31.0 22.6 33.8
59 14.0 9.8 14.8





#21

1,1-Dichloroethane

Concen: 16.390 ug/l

RT: 6.589 min Scan# 788

Delta R.T. 0.006 min

Lab File: VN087314.D

Acq: 09 Jul 2025 16:42

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

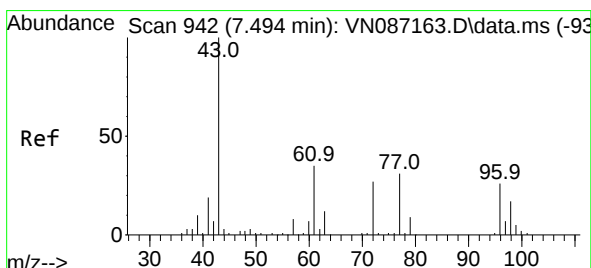
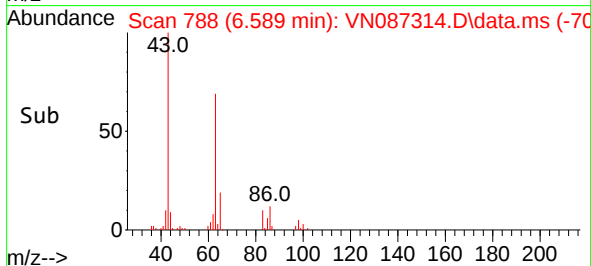
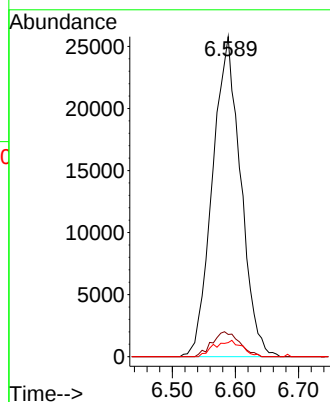
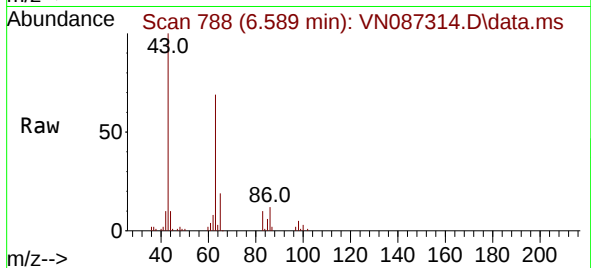
Tgt Ion: 63 Resp: 79960
 Ion Ratio Lower Upper
 63 100
 98 7.0 3.5 10.4
 100 4.4 2.0 5.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/10/2025

Supervised By :Mahesh Dadoda 07/10/2025



#22

cis-1,2-Dichloroethene

Concen: 17.690 ug/l

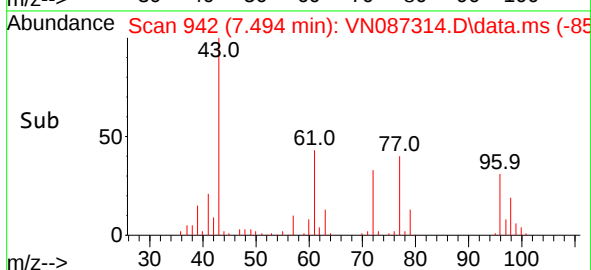
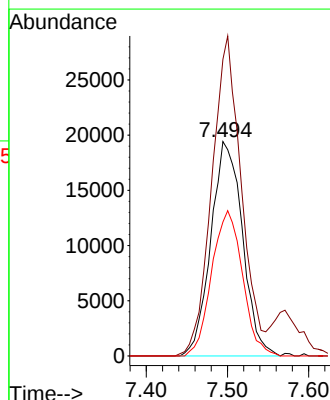
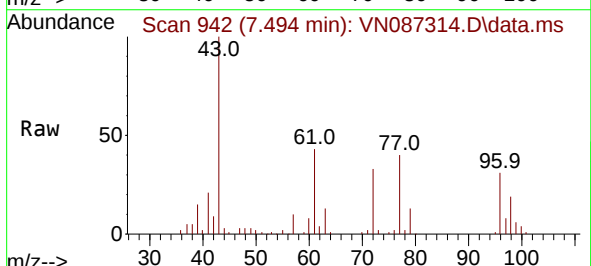
RT: 7.494 min Scan# 942

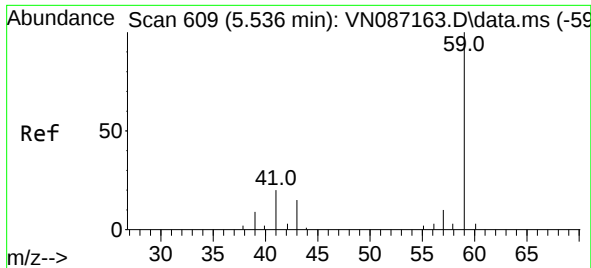
Delta R.T. 0.000 min

Lab File: VN087314.D

Acq: 09 Jul 2025 16:42

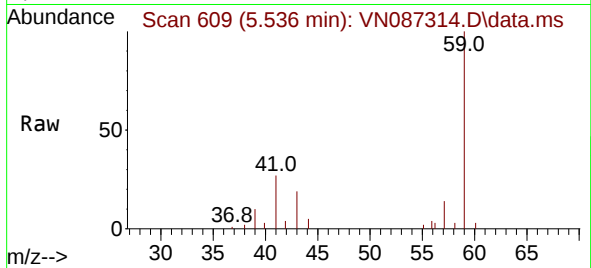
Tgt Ion: 96 Resp: 52518
 Ion Ratio Lower Upper
 96 100
 61 139.7 119.2 178.8
 98 66.2 50.6 75.8





#23
tert-Butyl Alcohol
Concen: 75.748 ug/l m
RT: 5.536 min Scan# 609
Delta R.T. 0.000 min
Lab File: VN087314.D
Acq: 09 Jul 2025 16:42

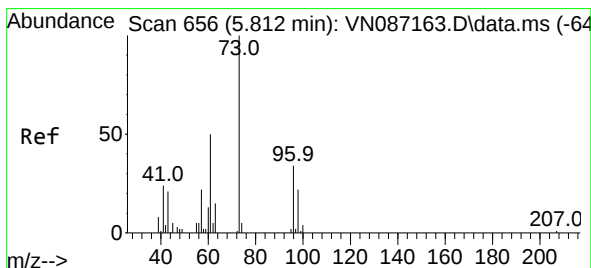
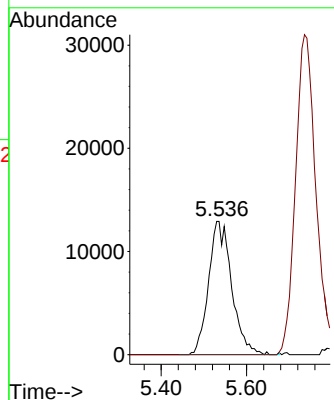
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



Tgt Ion: 59 Resp: 4861
Ion Ratio Lower Upper
59 100
52 0.0 0.0 0.0

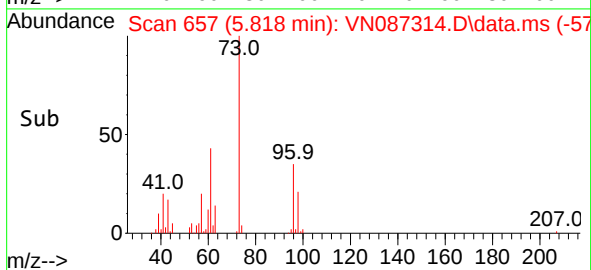
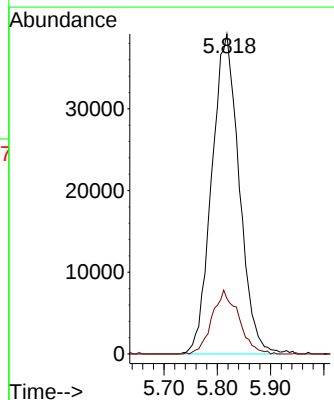
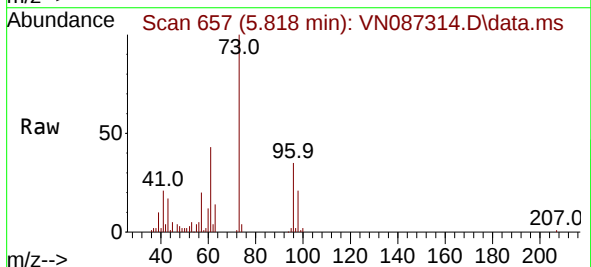
Manual Integrations
APPROVED

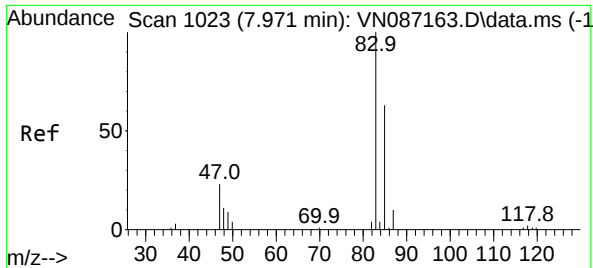
Reviewed By :John Carlone 07/10/2025
Supervised By :Mahesh Dadoda 07/10/2025



#24
Methyl tert-Butyl Ether
Concen: 17.079 ug/l
RT: 5.818 min Scan# 657
Delta R.T. 0.006 min
Lab File: VN087314.D
Acq: 09 Jul 2025 16:42

Tgt Ion: 73 Resp: 139720
Ion Ratio Lower Upper
73 100
43 19.3 16.4 24.6





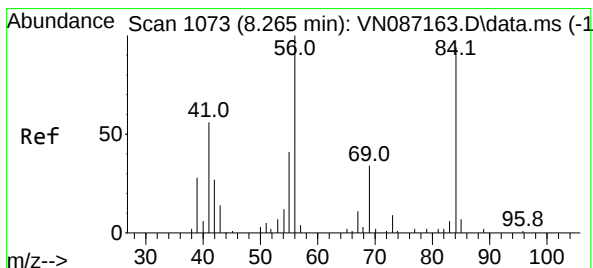
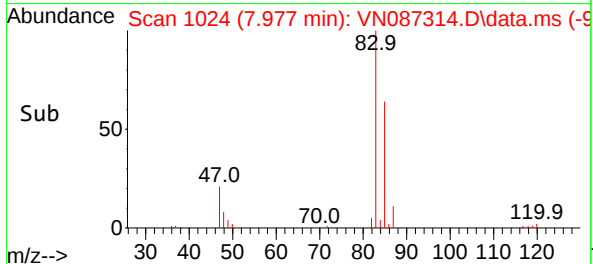
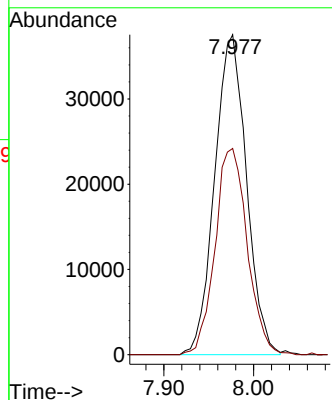
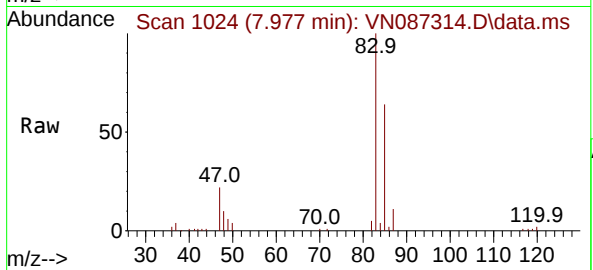
#25
Chloroform
Concen: 19.751 ug/l
RT: 7.977 min Scan# 1024
Delta R.T. 0.006 min
Lab File: VN087314.D
Acq: 09 Jul 2025 16:42

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tgt Ion: 83 Resp: 9231
Ion Ratio Lower Upper
83 100
85 64.5 50.7 76.1

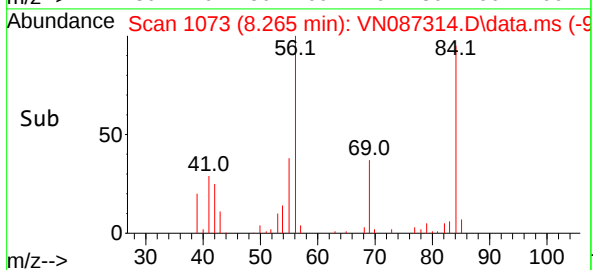
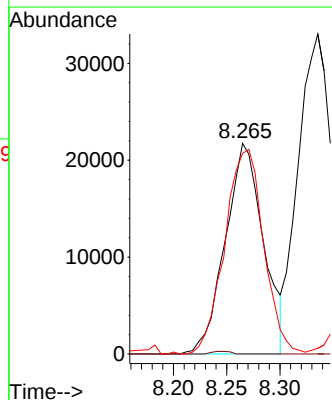
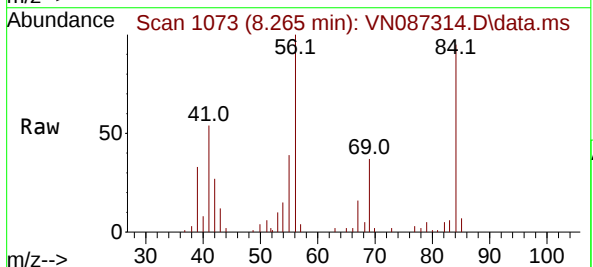
Manual Integrations
APPROVED

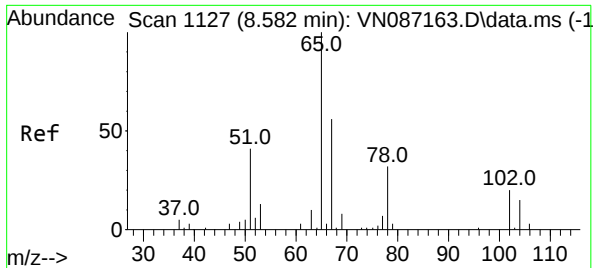
Reviewed By :John Carlone 07/10/2025
Supervised By :Mahesh Dadoda 07/10/2025



#26
Cyclohexane
Concen: 13.355 ug/l
RT: 8.265 min Scan# 1073
Delta R.T. 0.000 min
Lab File: VN087314.D
Acq: 09 Jul 2025 16:42

Tgt Ion: 56 Resp: 54157
Ion Ratio Lower Upper
56 100
89 0.6 6.9 10.3#
84 99.0 69.1 103.7





#27
1,2-Dichloroethane-d4
Concen: 28.289 ug/l
RT: 8.588 min Scan# 1127
Delta R.T. 0.006 min
Lab File: VN087314.D
Acq: 09 Jul 2025 16:42

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

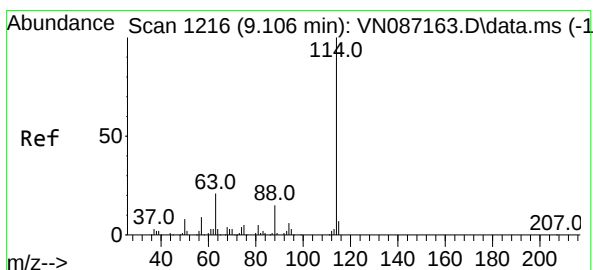
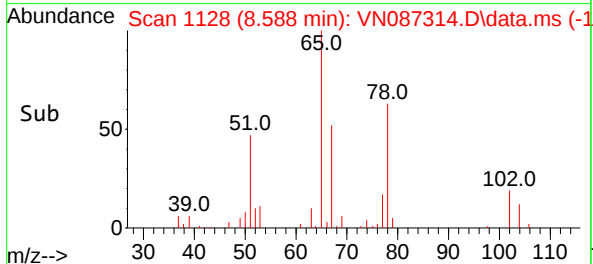
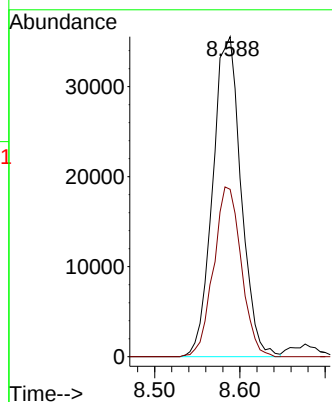
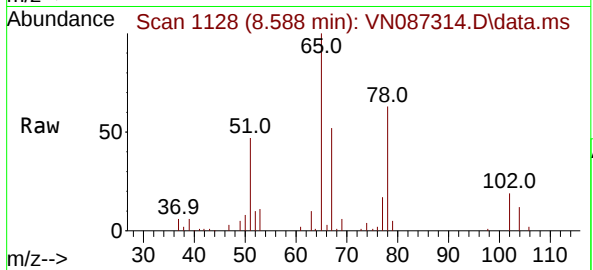
Tgt Ion: 65 Resp: 82075
Ion Ratio Lower Upper
65 100
67 51.9 41.9 62.9

Manual Integrations

APPROVED

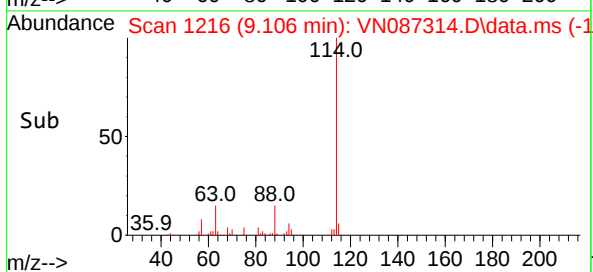
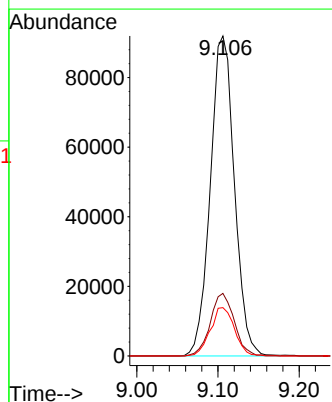
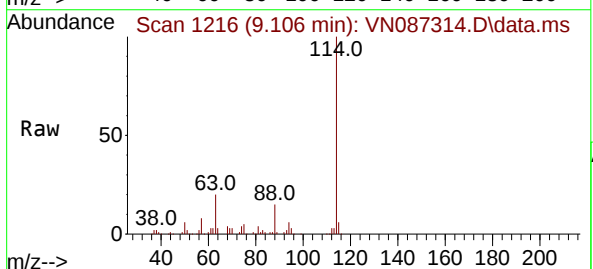
Reviewed By :John Carlone 07/10/2025

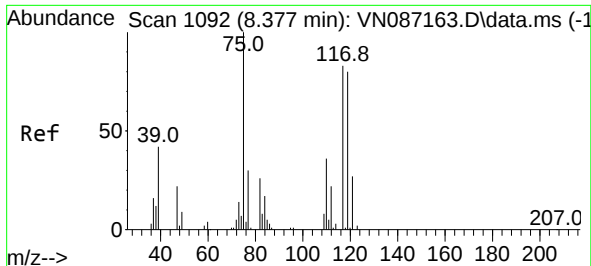
Supervised By :Mahesh Dadoda 07/10/2025



#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 9.106 min Scan# 1216
Delta R.T. 0.000 min
Lab File: VN087314.D
Acq: 09 Jul 2025 16:42

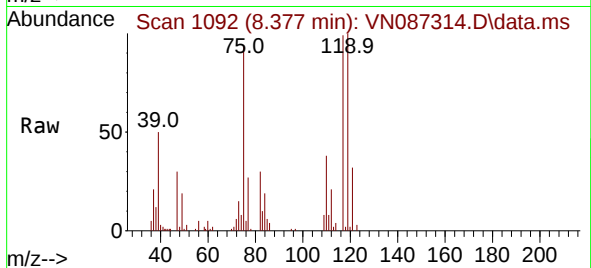
Tgt Ion:114 Resp: 189701
Ion Ratio Lower Upper
114 100
63 19.3 17.0 25.4
88 15.1 12.6 19.0





#29
1,1-Dichloropropene
Concen: 19.119 ug/l
RT: 8.377 min Scan# 1092
Delta R.T. 0.000 min
Lab File: VN087314.D
Acq: 09 Jul 2025 16:42

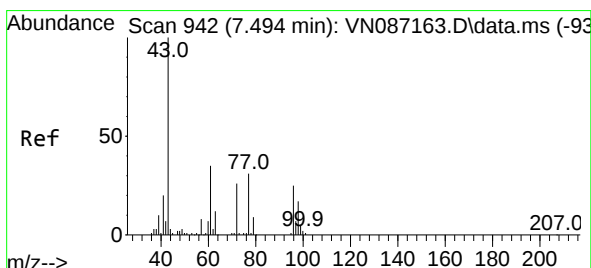
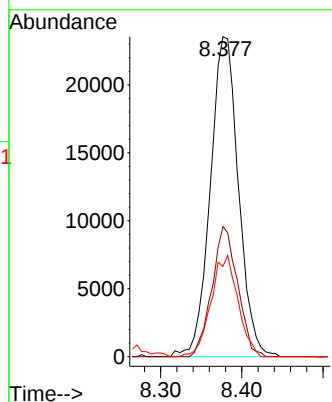
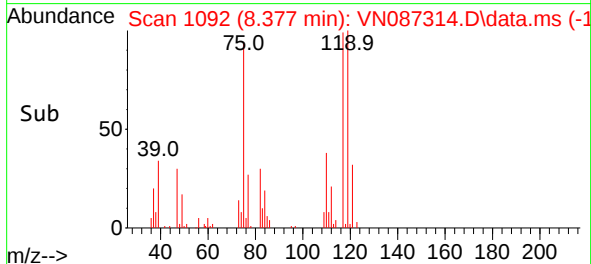
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



Tgt Ion: 75 Resp: 56529
Ion Ratio Lower Upper
75 100
110 37.2 0.0 69.2
77 30.3 0.0 61.8

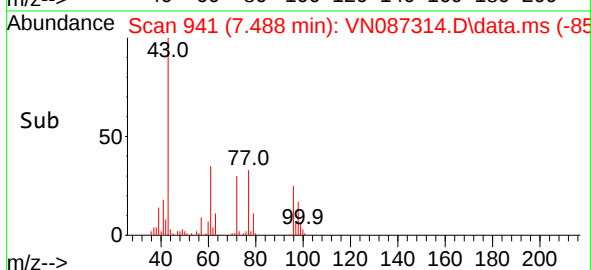
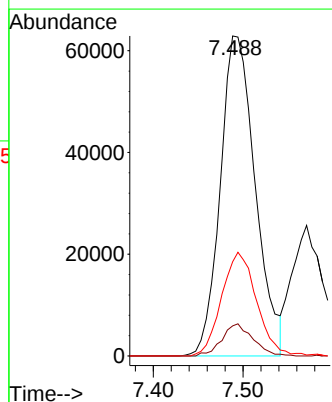
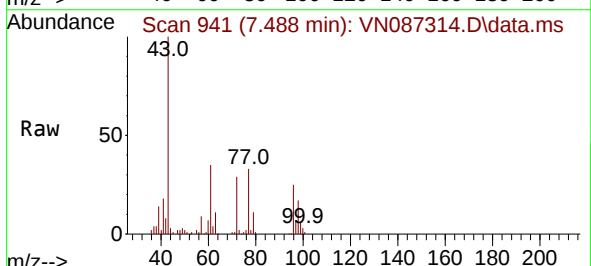
Manual Integrations
APPROVED

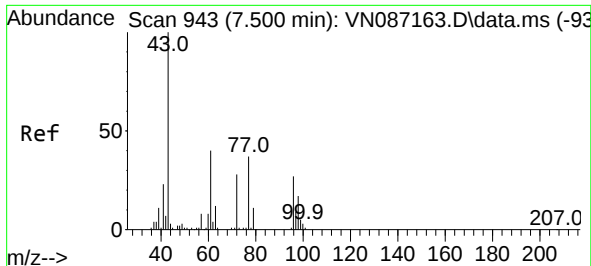
Reviewed By :John Carlone 07/10/2025
Supervised By :Mahesh Dadoda 07/10/2025



#30
2-Butanone
Concen: 85.470 ug/l
RT: 7.488 min Scan# 941
Delta R.T. -0.006 min
Lab File: VN087314.D
Acq: 09 Jul 2025 16:42

Tgt Ion: 43 Resp: 170470
Ion Ratio Lower Upper
43 100
57 8.9 6.3 9.5
72 32.1 21.8 32.6





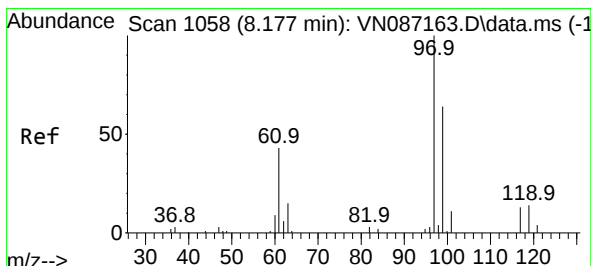
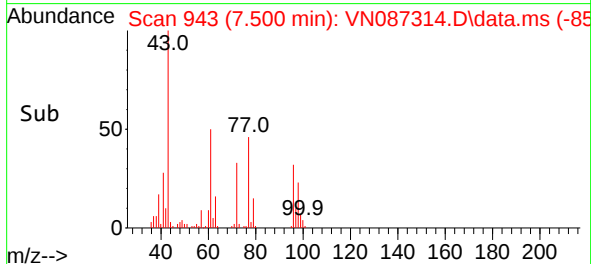
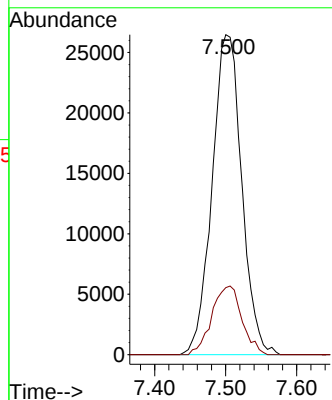
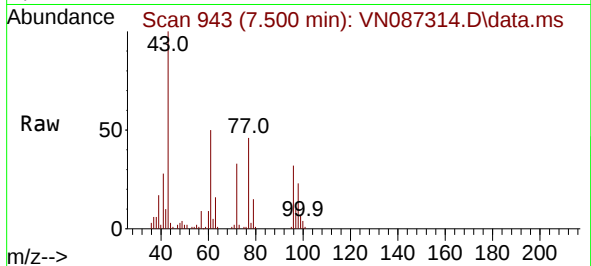
#31
2,2-Dichloropropane
Concen: 21.439 ug/l
RT: 7.500 min Scan# 943
Delta R.T. 0.000 min
Lab File: VN087314.D
Acq: 09 Jul 2025 16:42

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tgt Ion: 77 Resp: 76518
Ion Ratio Lower Upper
77 100
97 21.8 18.4 27.6

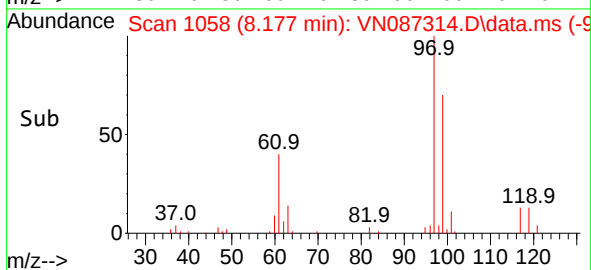
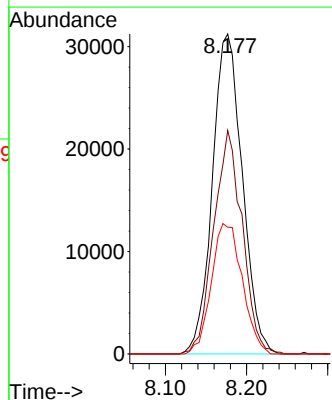
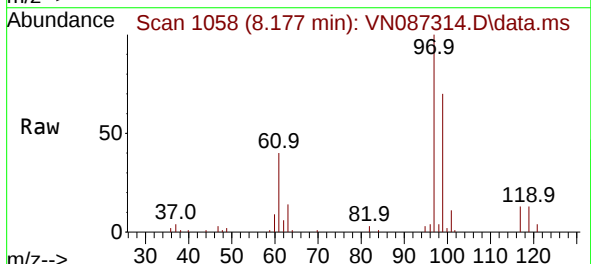
Manual Integrations
APPROVED

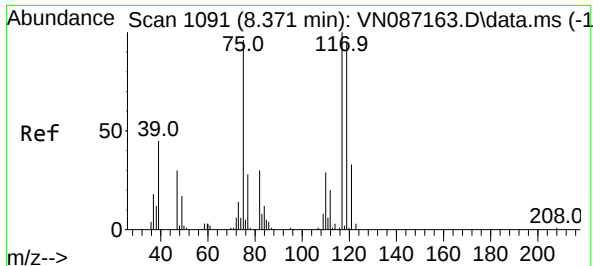
Reviewed By :John Carlone 07/10/2025
Supervised By :Mahesh Dadoda 07/10/2025



#32
1,1,1-Trichloroethane
Concen: 23.168 ug/l
RT: 8.177 min Scan# 1058
Delta R.T. 0.000 min
Lab File: VN087314.D
Acq: 09 Jul 2025 16:42

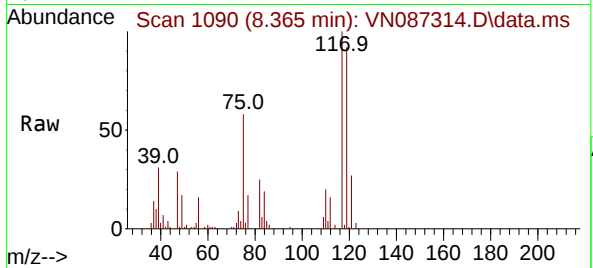
Tgt Ion: 97 Resp: 80030
Ion Ratio Lower Upper
97 100
99 66.6 50.8 76.2
61 42.1 36.1 54.1





#33
Carbon Tetrachloride
Concen: 23.585 ug/l
RT: 8.365 min Scan# 1091
Delta R.T. -0.006 min
Lab File: VN087314.D
Acq: 09 Jul 2025 16:42

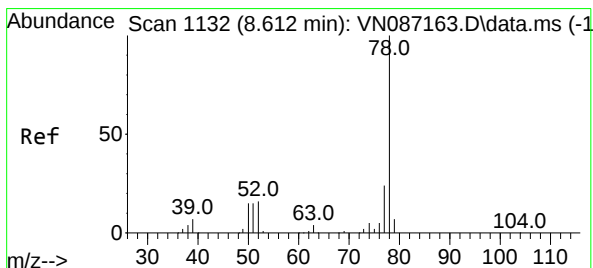
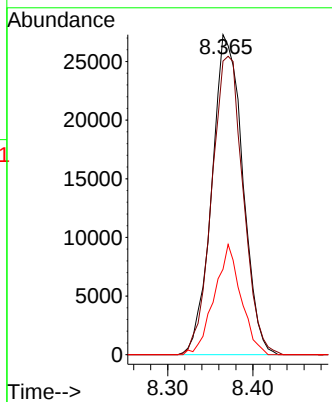
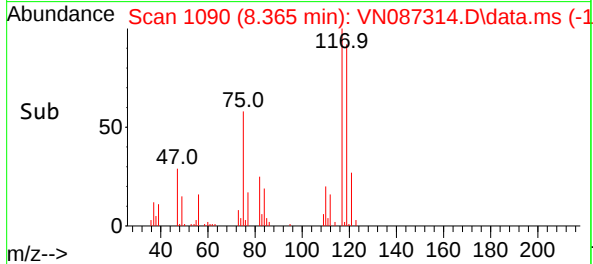
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



Tgt Ion: 117 Resp: 68560
Ion Ratio Lower Upper
117 100
119 91.8 75.8 113.6
121 26.7 26.2 39.4

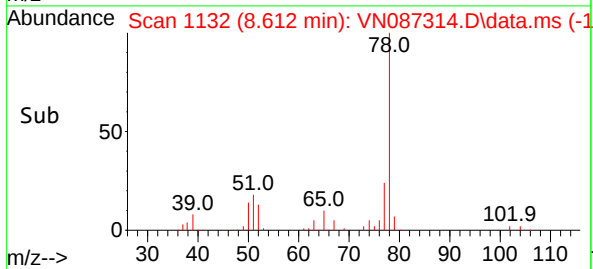
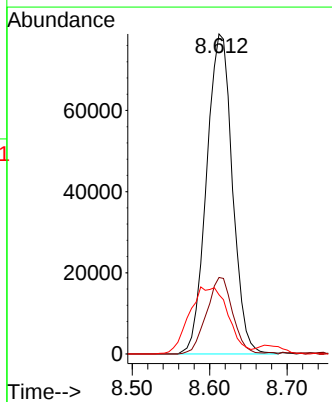
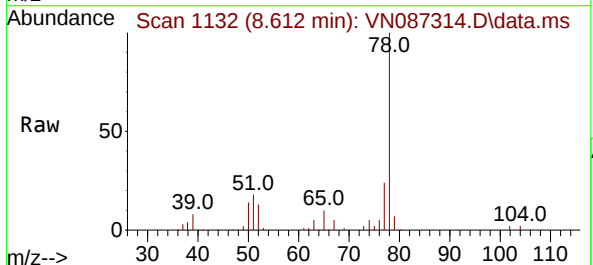
Manual Integrations
APPROVED

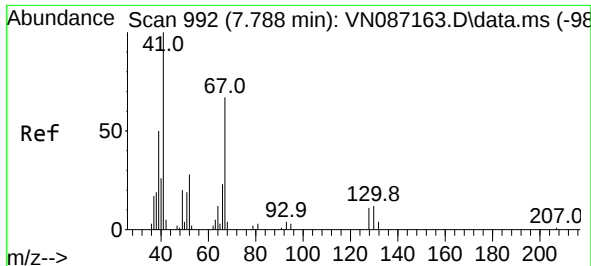
Reviewed By :John Carlone 07/10/2025
Supervised By :Mahesh Dadoda 07/10/2025



#34
Benzene
Concen: 19.497 ug/l
RT: 8.612 min Scan# 1132
Delta R.T. 0.000 min
Lab File: VN087314.D
Acq: 09 Jul 2025 16:42

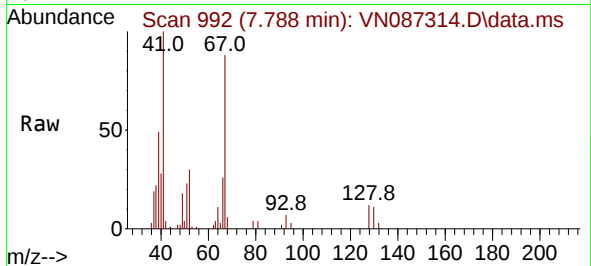
Tgt Ion: 78 Resp: 182633
Ion Ratio Lower Upper
78 100
77 23.9 19.5 29.3
51 16.2 14.8 22.2





#35
Methacrylonitrile
Concen: 17.720 ug/l
RT: 7.788 min Scan# 992
Delta R.T. 0.000 min
Lab File: VN087314.D
Acq: 09 Jul 2025 16:42

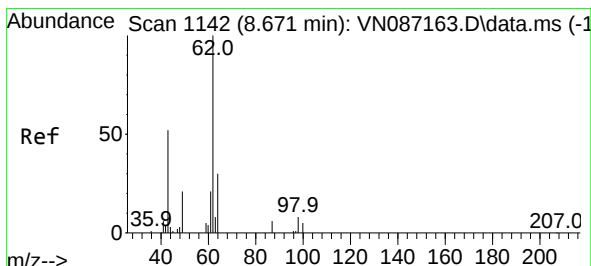
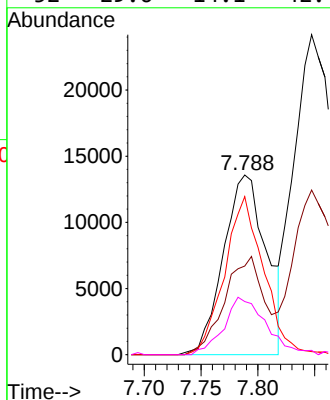
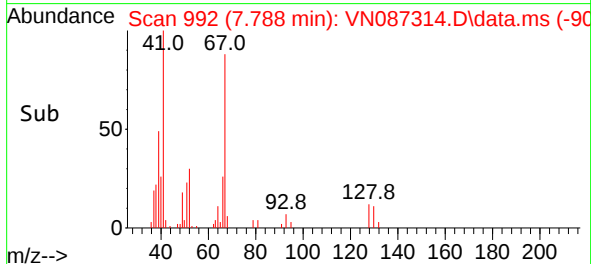
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



Tgt Ion:	41	Resp:	35618
Ion Ratio	100	Lower	Upper
41	100		
39	49.3	24.4	73.2
67	88.0	33.3	99.8
52	29.6	14.1	42.4

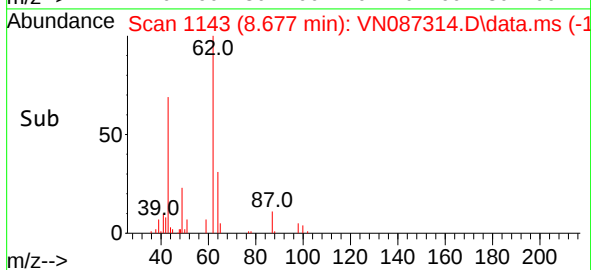
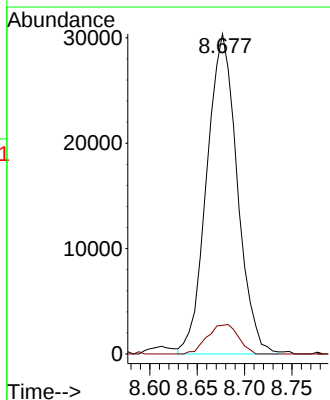
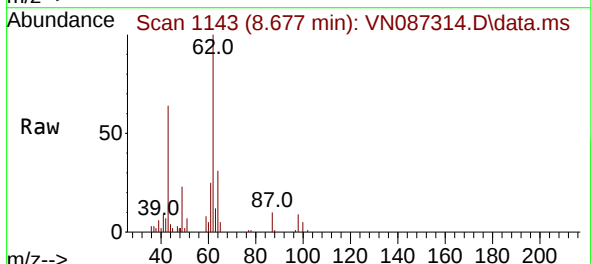
Manual Integrations
APPROVED

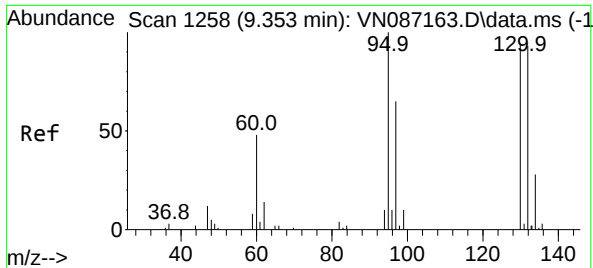
Reviewed By :John Carlone 07/10/2025
Supervised By :Mahesh Dadoda 07/10/2025



#36
1,2-Dichloroethane
Concen: 22.502 ug/l
RT: 8.677 min Scan# 1143
Delta R.T. 0.006 min
Lab File: VN087314.D
Acq: 09 Jul 2025 16:42

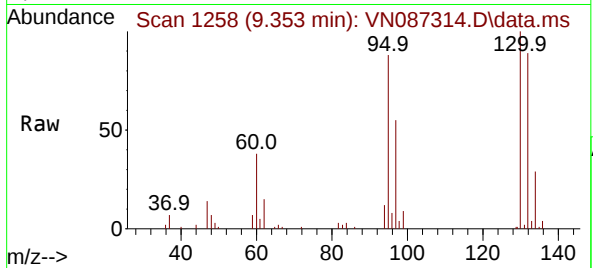
Tgt Ion:	62	Resp:	68101
Ion Ratio	100	Lower	Upper
62	100		
98	9.3	7.2	10.8





#37
Trichloroethene
Concen: 21.593 ug/l
RT: 9.353 min Scan# 1258
Delta R.T. 0.000 min
Lab File: VN087314.D
Acq: 09 Jul 2025 16:42

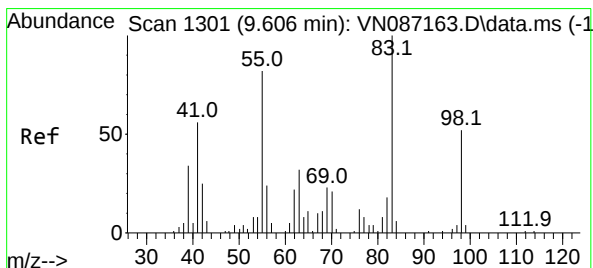
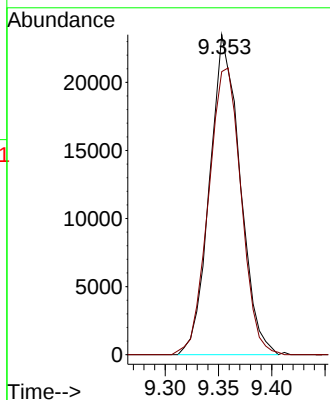
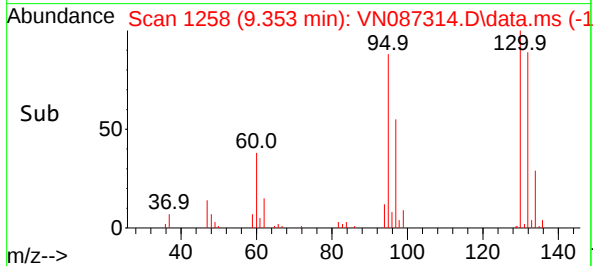
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



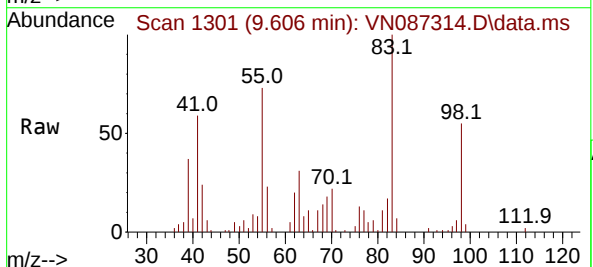
Tgt Ion:130 Resp: 46654
Ion Ratio Lower Upper
130 100
95 87.7 85.3 127.9

Manual Integrations
APPROVED

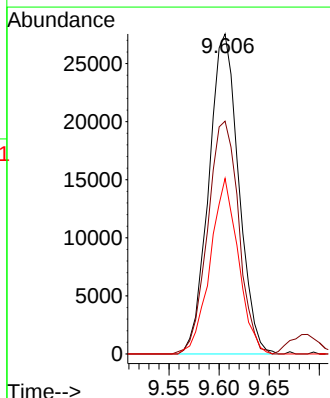
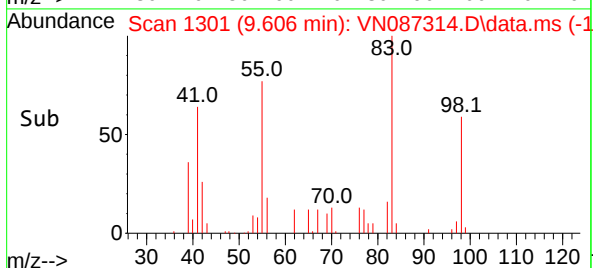
Reviewed By :John Carlone 07/10/2025
Supervised By :Mahesh Dadoda 07/10/2025

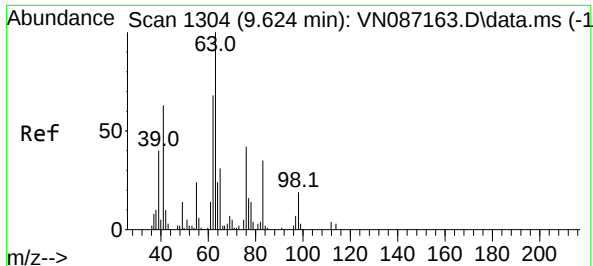


#38
Methylcyclohexane
Concen: 16.842 ug/l
RT: 9.606 min Scan# 1301
Delta R.T. 0.000 min
Lab File: VN087314.D
Acq: 09 Jul 2025 16:42



Tgt Ion: 83 Resp: 57138
Ion Ratio Lower Upper
83 100
55 75.4 40.1 120.2
98 51.6 24.4 73.2





#39

1,2-Dichloropropane

Concen: 18.729 ug/l

RT: 9.624 min Scan# 11

Delta R.T. 0.000 min

Lab File: VN087314.D

Acq: 09 Jul 2025 16:42

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tgt Ion: 63 Resp: 4403

Ion Ratio Lower Upper

63 100

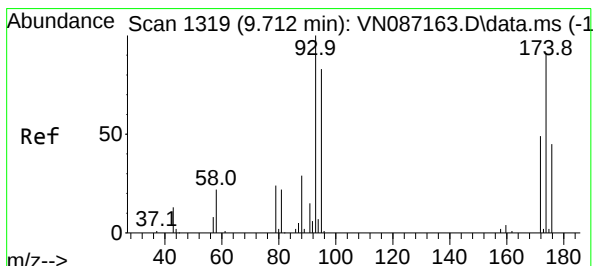
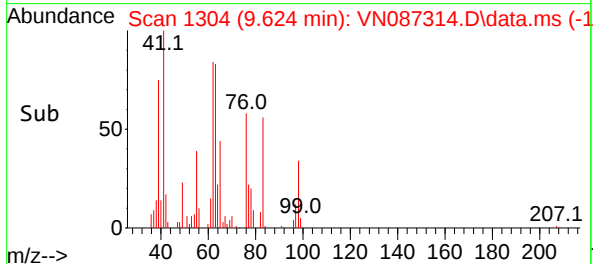
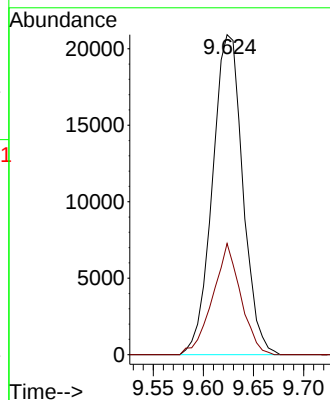
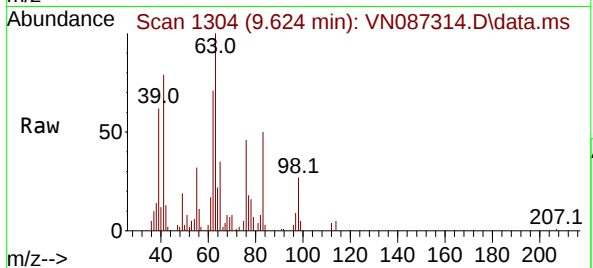
65 34.8 24.6 36.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/10/2025

Supervised By :Mahesh Dadoda 07/10/2025



#40

Dibromomethane

Concen: 23.475 ug/l

RT: 9.712 min Scan# 1319

Delta R.T. 0.000 min

Lab File: VN087314.D

Acq: 09 Jul 2025 16:42

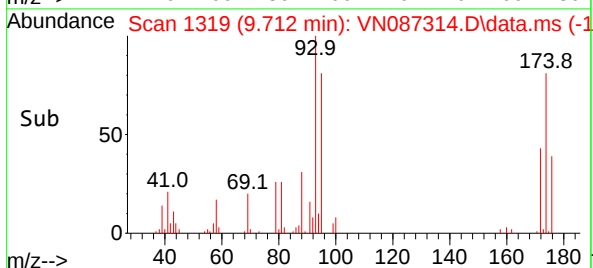
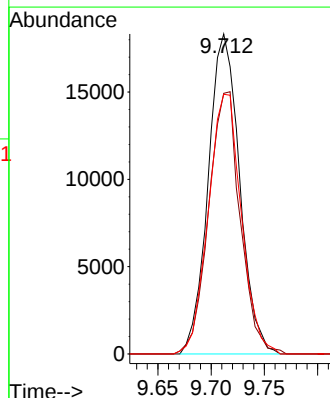
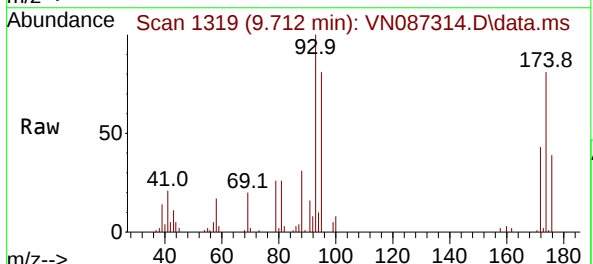
Tgt Ion: 93 Resp: 37529

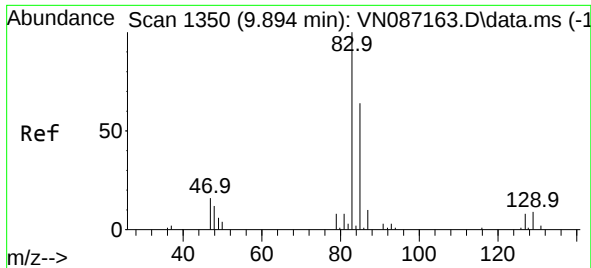
Ion Ratio Lower Upper

93 100

95 82.1 0.0 170.8

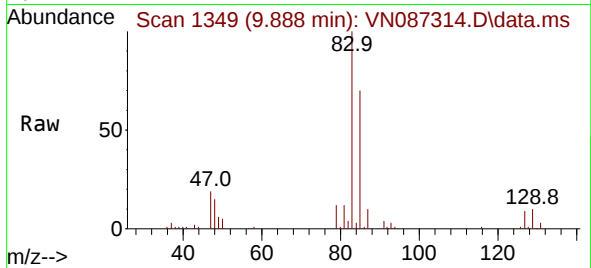
174 85.2 0.0 176.6





#41
Bromodichloromethane
Concen: 22.476 ug/l
RT: 9.888 min Scan# 1349
Delta R.T. -0.006 min
Lab File: VN087314.D
Acq: 09 Jul 2025 16:42

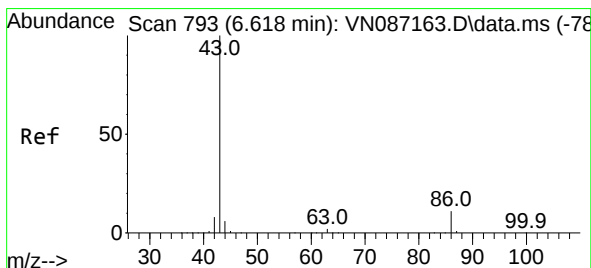
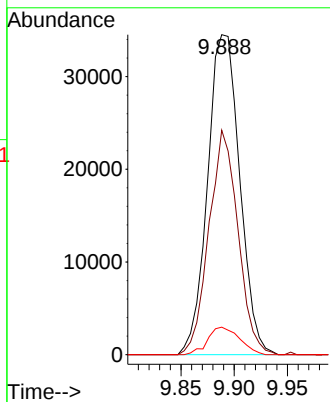
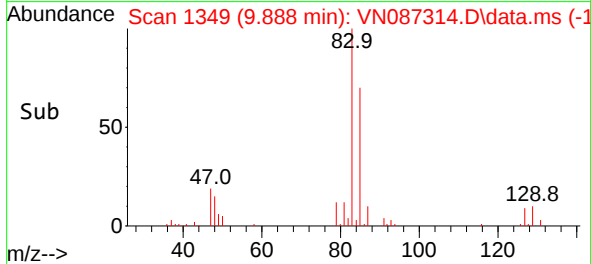
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



Tgt Ion: 83 Resp: 72520
Ion Ratio Lower Upper
83 100
85 70.2 51.4 77.2
127 8.6 6.1 9.1

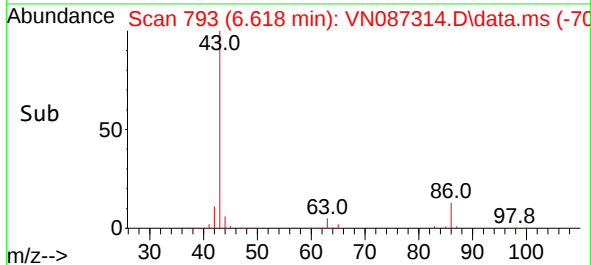
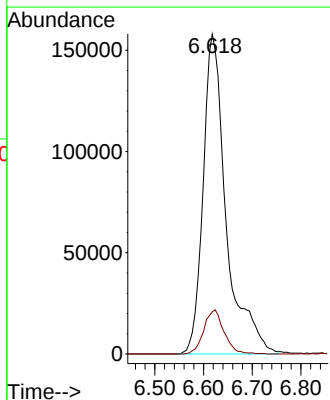
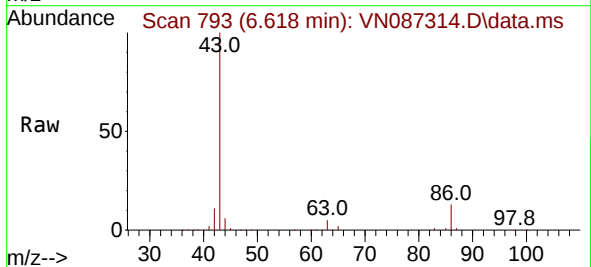
Manual Integrations
APPROVED

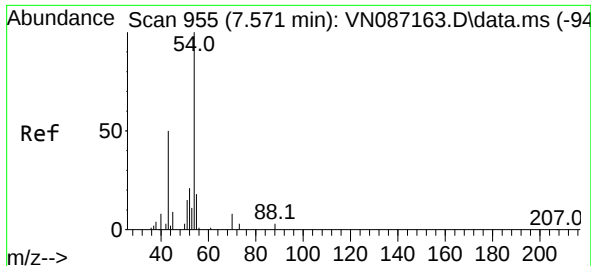
Reviewed By :John Carlone 07/10/2025
Supervised By :Mahesh Dadoda 07/10/2025



#42
Vinyl Acetate
Concen: 80.184 ug/l
RT: 6.618 min Scan# 793
Delta R.T. 0.000 min
Lab File: VN087314.D
Acq: 09 Jul 2025 16:42

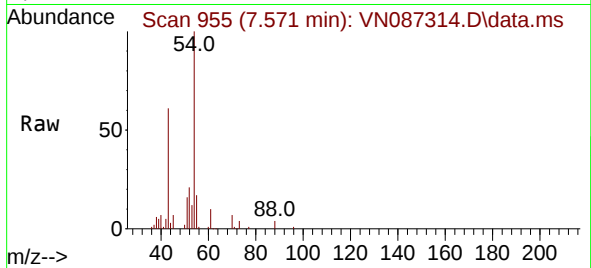
Tgt Ion: 43 Resp: 520166
Ion Ratio Lower Upper
43 100
86 12.0 7.7 11.5





#43
Ethyl Acetate
Concen: 17.127 ug/l
RT: 7.571 min Scan# 914
Delta R.T. 0.000 min
Lab File: VN087314.D
Acq: 09 Jul 2025 16:42

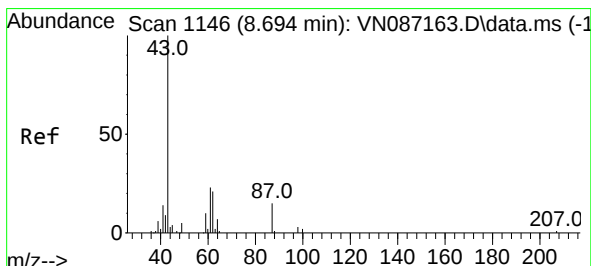
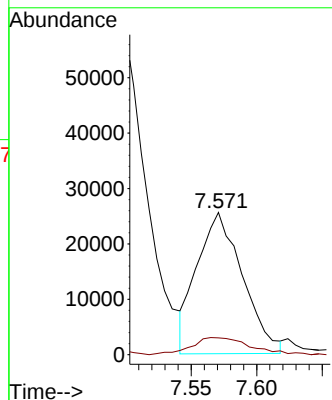
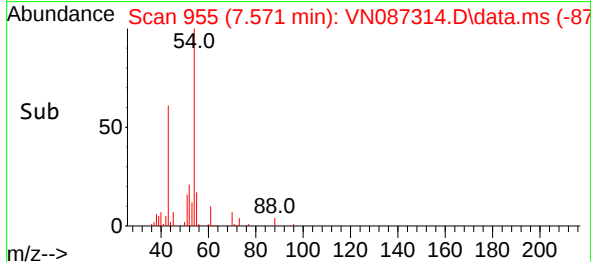
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



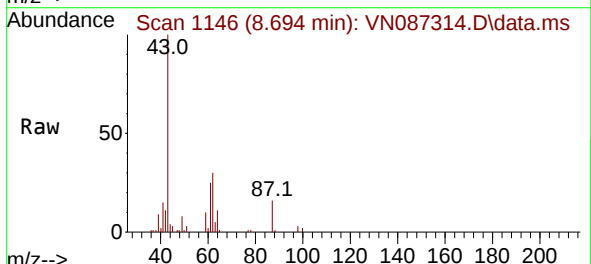
Tgt Ion: 43 Resp: 61664
Ion Ratio Lower Upper
43 100
45 15.2 11.5 17.3

Manual Integrations
APPROVED

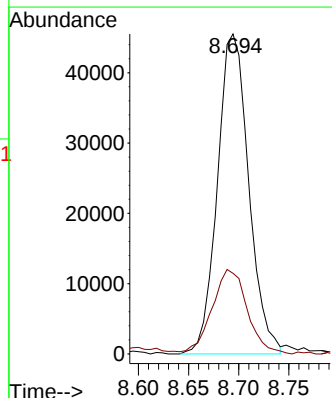
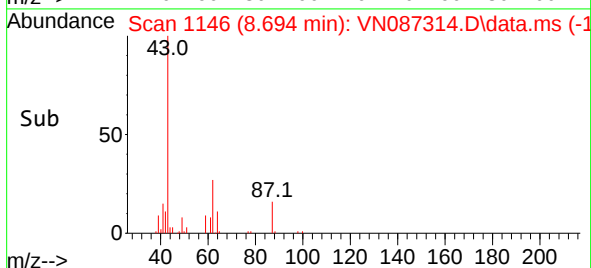
Reviewed By :John Carlone 07/10/2025
Supervised By :Mahesh Dadoda 07/10/2025

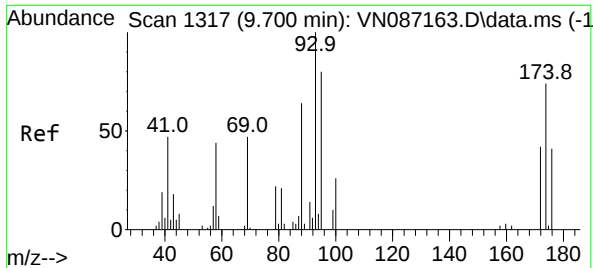


#44
Isopropyl Acetate
Concen: 16.877 ug/l
RT: 8.694 min Scan# 1146
Delta R.T. 0.000 min
Lab File: VN087314.D
Acq: 09 Jul 2025 16:42



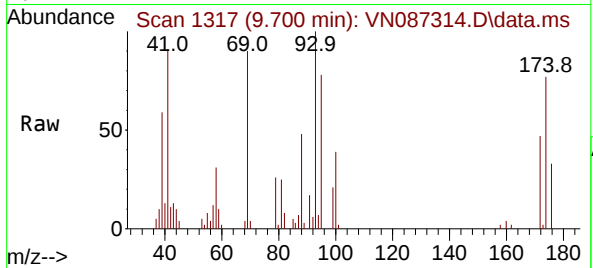
Tgt Ion: 43 Resp: 99006
Ion Ratio Lower Upper
43 100
61 29.6 20.5 30.7





#45
1,4-Dioxane
Concen: 389.943 ug/l
RT: 9.700 min Scan# 1317
Delta R.T. 0.000 min
Lab File: VN087314.D
Acq: 09 Jul 2025 16:42

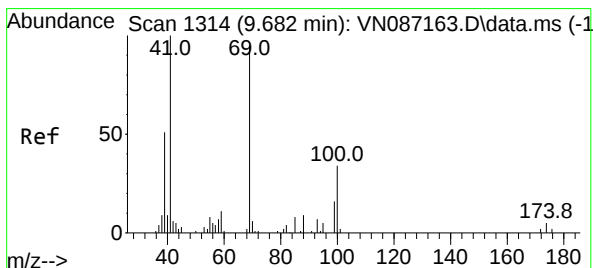
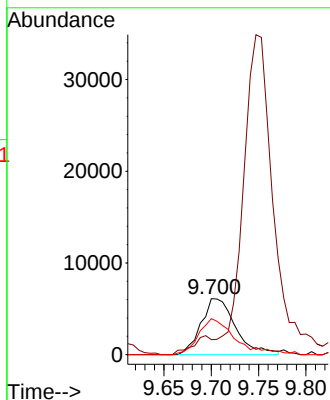
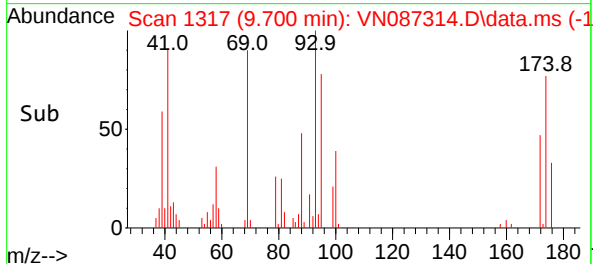
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



Tgt Ion: 88 Resp: 15474
Ion Ratio Lower Upper
88 100
43 18.9 21.3 31.9
58 61.1 61.7 92.5

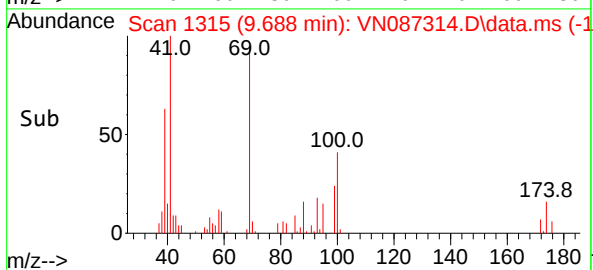
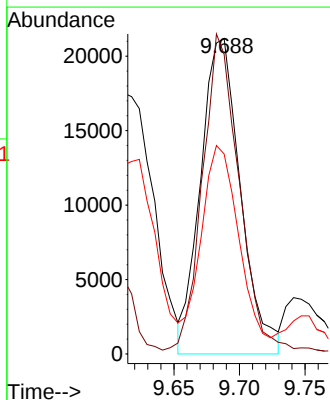
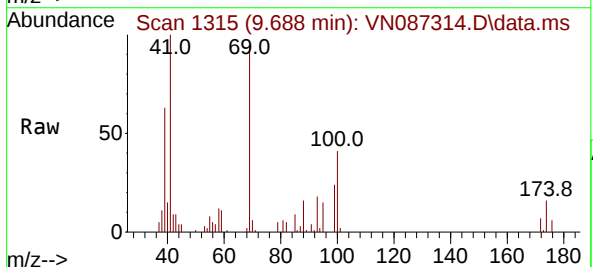
Manual Integrations
APPROVED

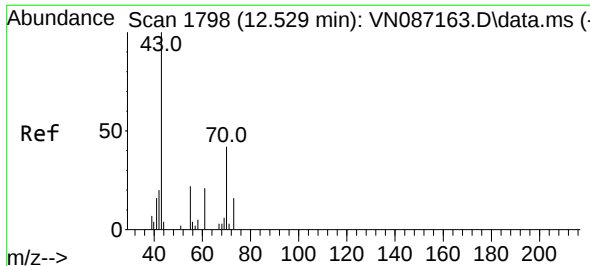
Reviewed By :John Carlone 07/10/2025
Supervised By :Mahesh Dadoda 07/10/2025



#46
Methyl methacrylate
Concen: 16.452 ug/l
RT: 9.688 min Scan# 1315
Delta R.T. 0.006 min
Lab File: VN087314.D
Acq: 09 Jul 2025 16:42

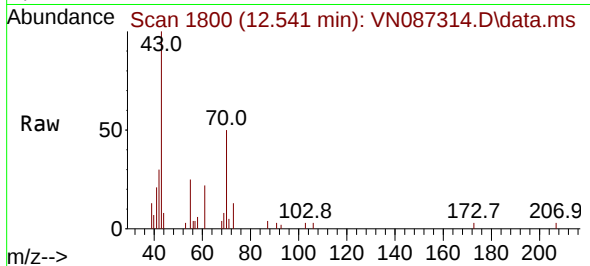
Tgt Ion: 41 Resp: 44866
Ion Ratio Lower Upper
41 100
69 98.4 45.6 136.9
39 61.0 26.2 78.5





#47
n-amy1 Acetate
Concen: 18.970 ug/l m
RT: 12.541 min Scan# 1
Delta R.T. 0.012 min
Lab File: VN087314.D
Acq: 09 Jul 2025 16:42

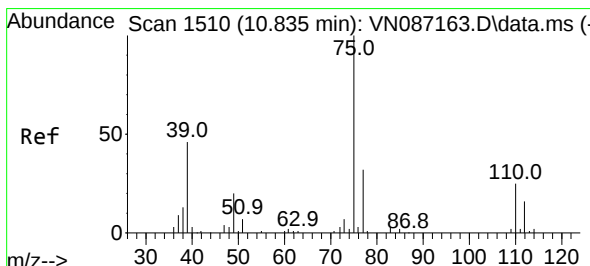
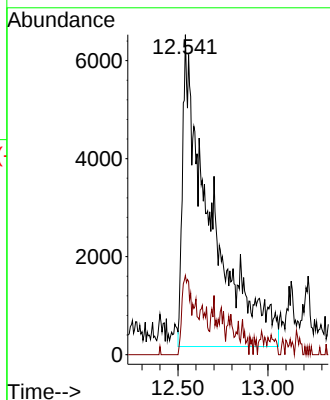
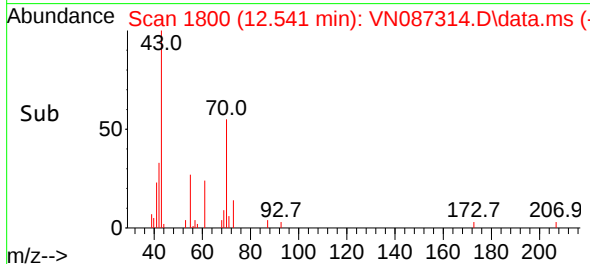
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



Tgt Ion: 43 Resp: 6803
Ion Ratio Lower Upper
43 100
55 4.3 0.0 0.0

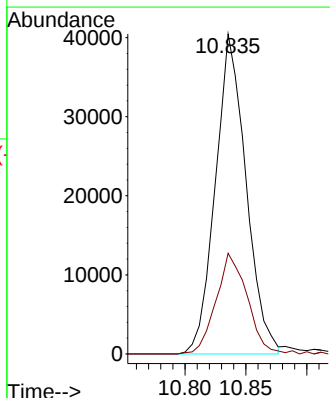
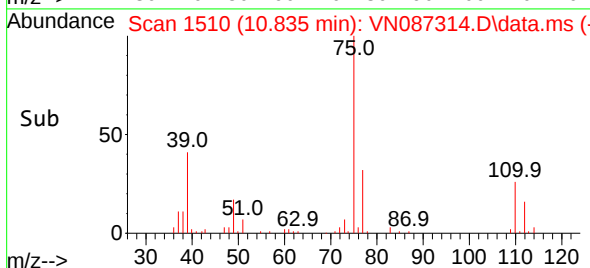
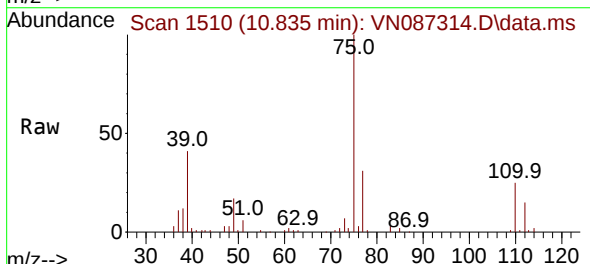
Manual Integrations
APPROVED

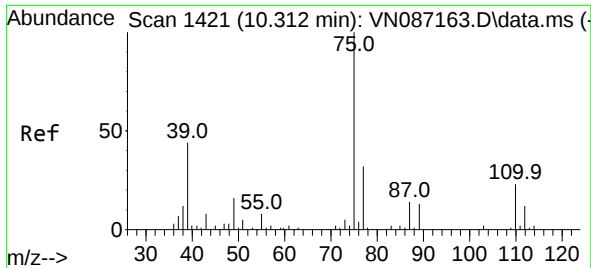
Reviewed By :John Carlone 07/10/2025
Supervised By :Mahesh Dadoda 07/10/2025



#48
t-1,3-Dichloropropene
Concen: 19.667 ug/l
RT: 10.835 min Scan# 1510
Delta R.T. 0.000 min
Lab File: VN087314.D
Acq: 09 Jul 2025 16:42

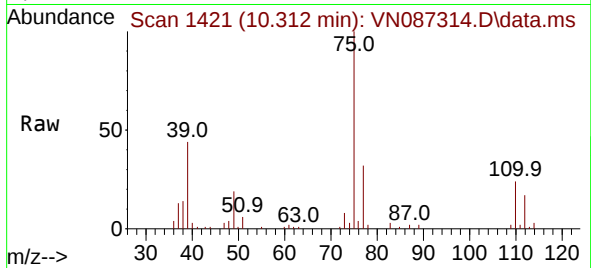
Tgt Ion: 75 Resp: 70748
Ion Ratio Lower Upper
75 100
77 31.5 25.4 38.0





#49
 cis-1,3-Dichloropropene
 Concen: 19.584 ug/l
 RT: 10.312 min Scan# 1421
 Delta R.T. 0.000 min
 Lab File: VN087314.D
 Acq: 09 Jul 2025 16:42

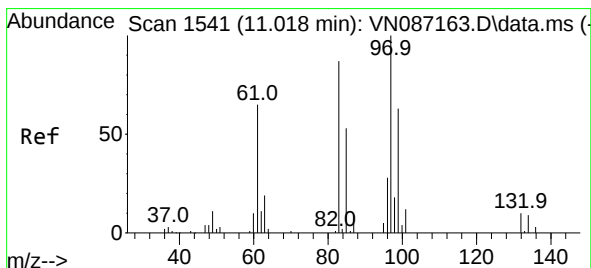
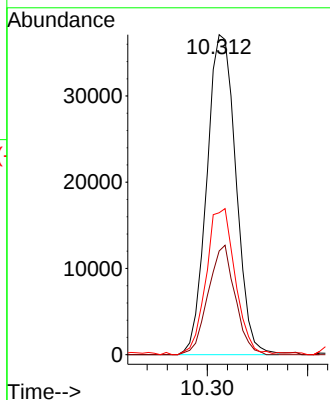
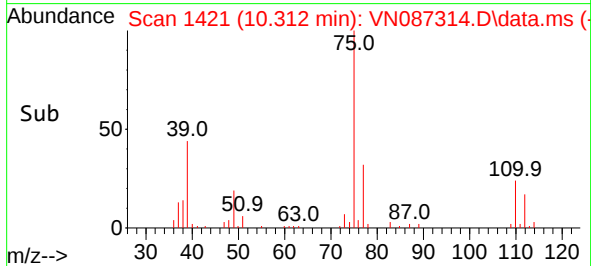
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC



Tgt Ion: 75 Resp: 7489
 Ion Ratio Lower Upper
 75 100
 77 32.4 25.4 38.2
 39 44.3 35.3 52.9

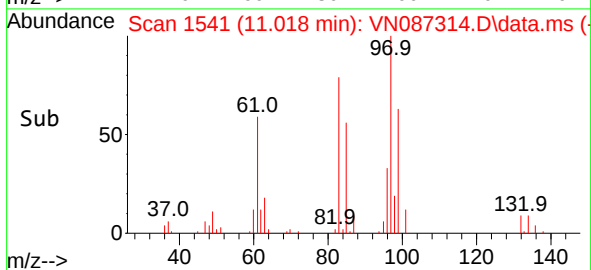
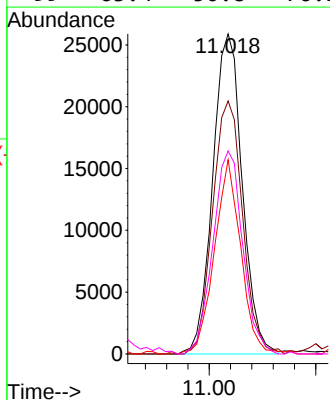
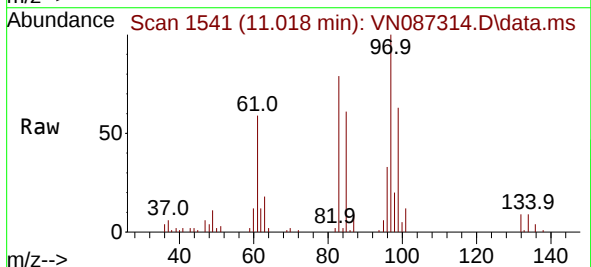
Manual Integrations
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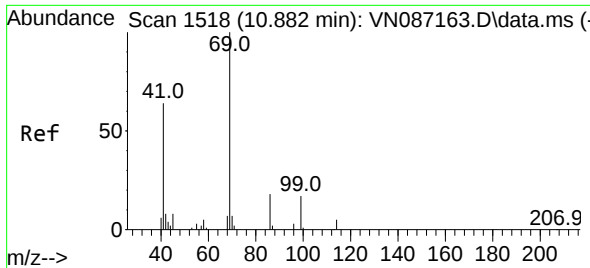
Reviewed By :John Carlone 07/10/2025
 Supervised By :Mahesh Dadoda 07/10/2025



#50
 1,1,2-Trichloroethane
 Concen: 21.900 ug/l
 RT: 11.018 min Scan# 1541
 Delta R.T. 0.000 min
 Lab File: VN087314.D
 Acq: 09 Jul 2025 16:42

Tgt Ion: 97 Resp: 49733
 Ion Ratio Lower Upper
 97 100
 83 79.0 69.6 104.4
 85 60.7 42.0 63.0
 99 63.4 50.8 76.2





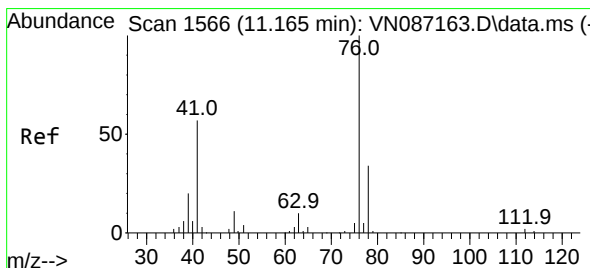
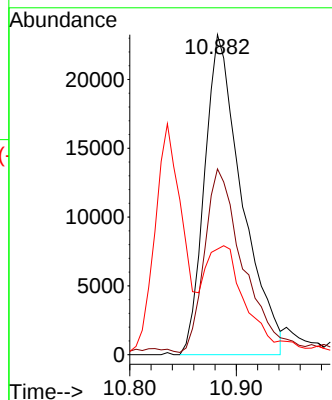
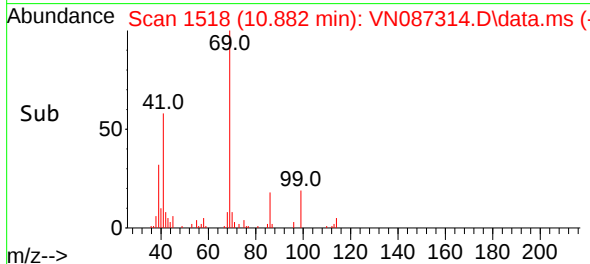
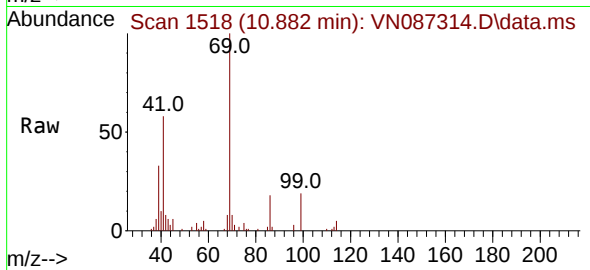
#51
Ethyl methacrylate
Concen: 16.405 ug/l
RT: 10.882 min Scan# 1518
Delta R.T. 0.000 min
Lab File: VN087314.D
Acq: 09 Jul 2025 16:42

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tgt Ion: 69 Resp: 5670
Ion Ratio Lower Upper
69 100
41 57.3 31.8 95.3
39 28.7 15.3 45.8

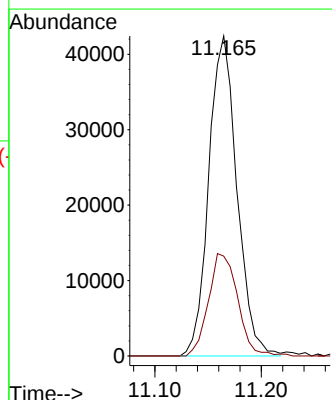
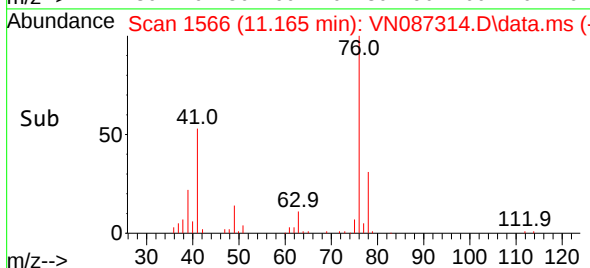
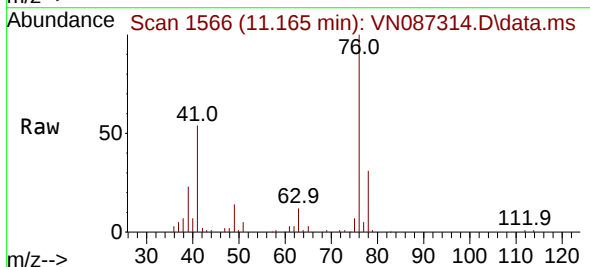
Manual Integrations
APPROVED

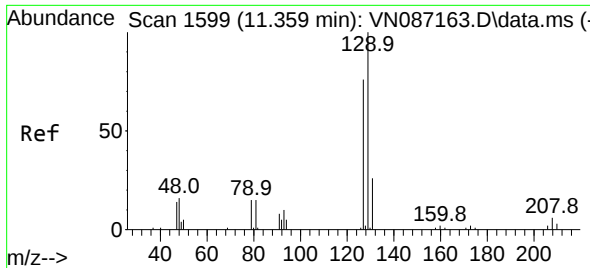
Reviewed By :John Carlone 07/10/2025
Supervised By :Mahesh Dadoda 07/10/2025



#52
1,3-Dichloropropane
Concen: 19.993 ug/l
RT: 11.165 min Scan# 1566
Delta R.T. 0.000 min
Lab File: VN087314.D
Acq: 09 Jul 2025 16:42

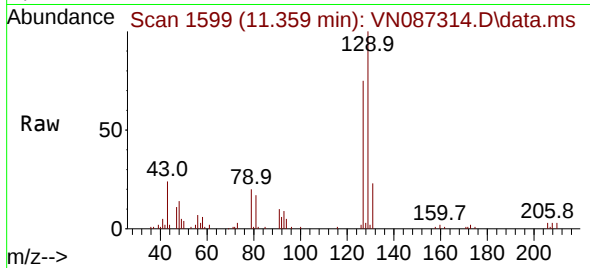
Tgt Ion: 76 Resp: 77946
Ion Ratio Lower Upper
76 100
78 33.0 0.0 63.0





#53
Dibromochloromethane
Concen: 24.159 ug/l
RT: 11.359 min Scan# 1599
Delta R.T. 0.000 min
Lab File: VN087314.D
Acq: 09 Jul 2025 16:42

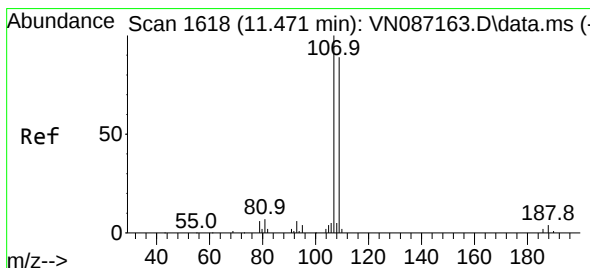
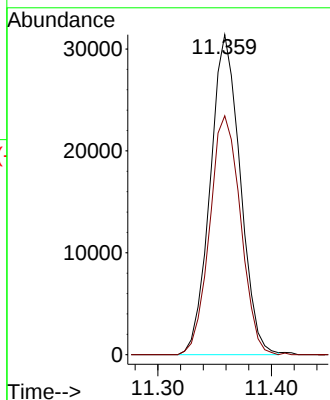
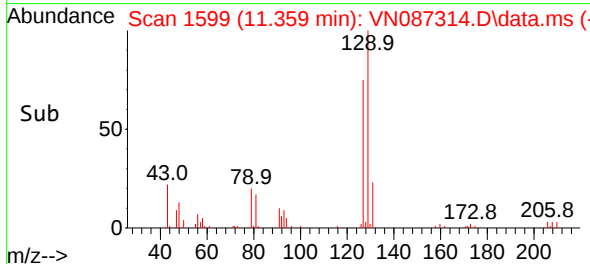
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



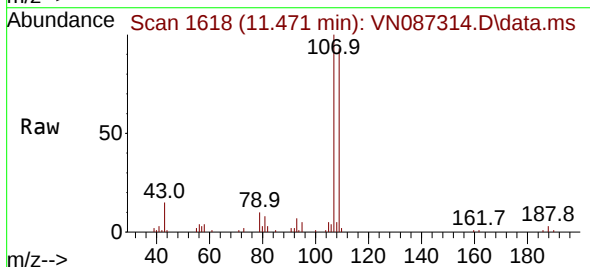
Tgt Ion:129 Resp: 57590
Ion Ratio Lower Upper
129 100
127 76.8 39.6 118.8

Manual Integrations
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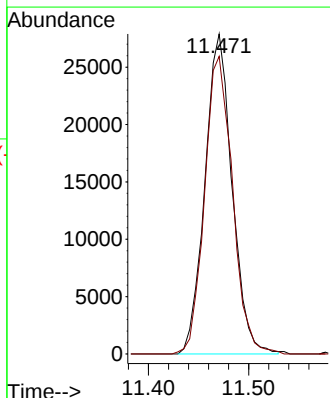
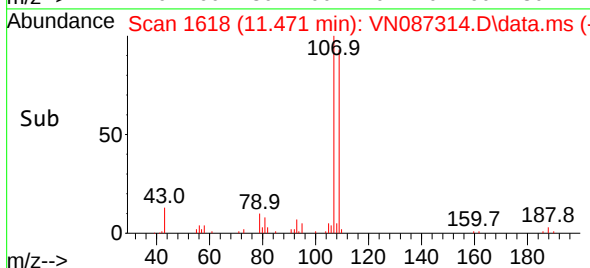
Reviewed By :John Carlone 07/10/2025
Supervised By :Mahesh Dadoda 07/10/2025

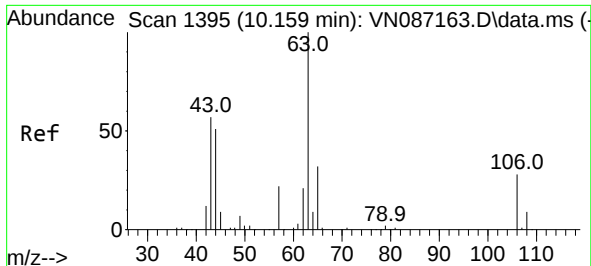


#54
1,2-Dibromoethane
Concen: 22.484 ug/l
RT: 11.471 min Scan# 1618
Delta R.T. 0.000 min
Lab File: VN087314.D
Acq: 09 Jul 2025 16:42



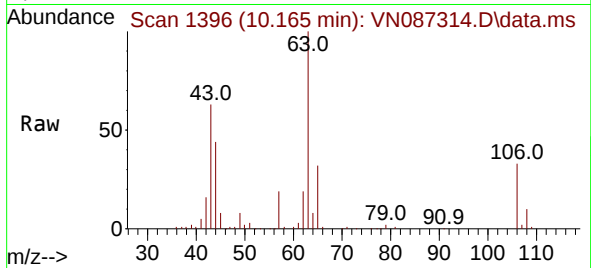
Tgt Ion:107 Resp: 52680
Ion Ratio Lower Upper
107 100
109 95.3 73.5 110.3





#55
2-Chloroethyl vinyl ether
Concen: 79.881 ug/l
RT: 10.165 min Scan# 1395
Delta R.T. 0.006 min
Lab File: VN087314.D
Acq: 09 Jul 2025 16:42

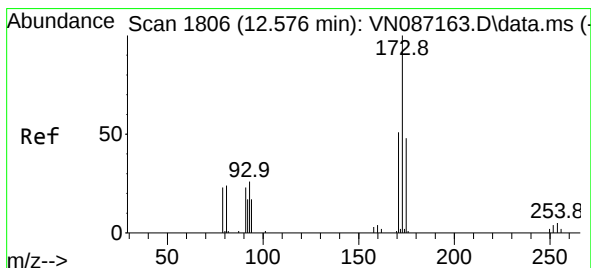
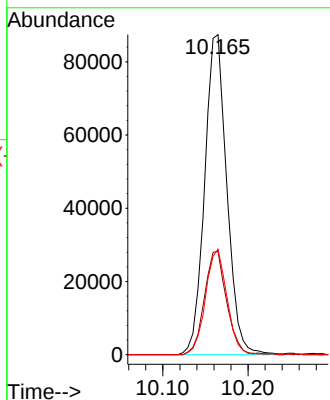
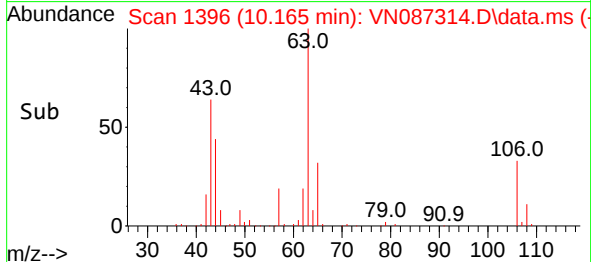
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



Tgt Ion: 63 Resp: 158262
Ion Ratio Lower Upper
63 100
65 32.1 25.6 38.4
106 31.8 21.9 32.9

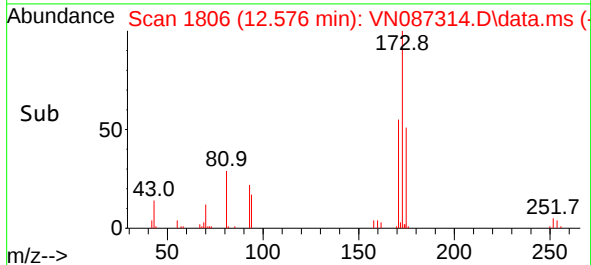
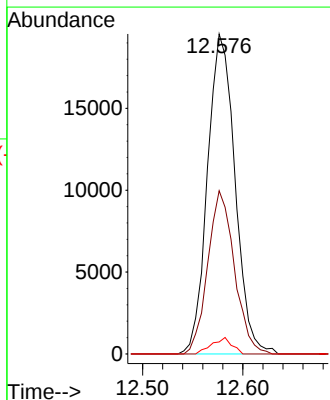
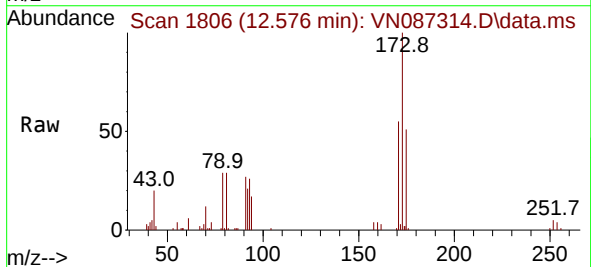
Manual Integrations
APPROVED

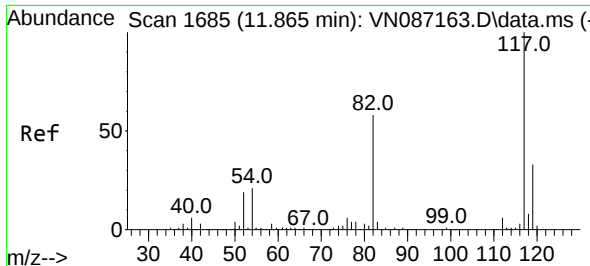
Reviewed By :John Carlone 07/10/2025
Supervised By :Mahesh Dadoda 07/10/2025



#56
Bromoform
Concen: 22.789 ug/l
RT: 12.576 min Scan# 1806
Delta R.T. 0.000 min
Lab File: VN087314.D
Acq: 09 Jul 2025 16:42

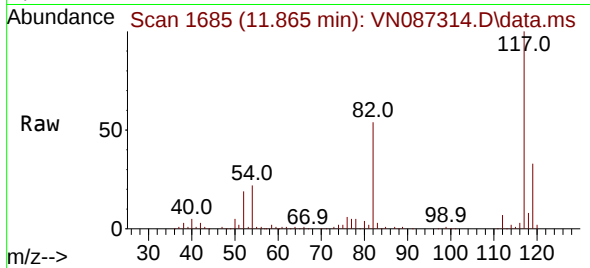
Tgt Ion:173 Resp: 37345
Ion Ratio Lower Upper
173 100
175 49.3 38.7 58.1
254 3.7 4.2 6.4#





#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. 0.000 min
Lab File: VN087314.D
Acq: 09 Jul 2025 16:42

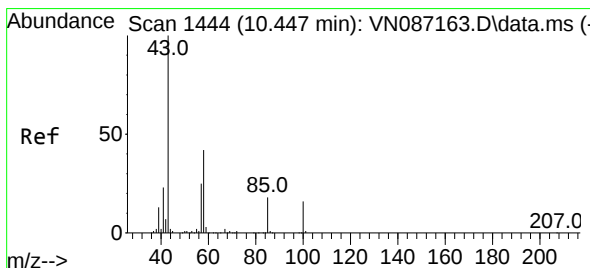
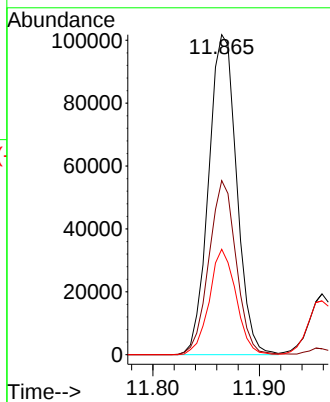
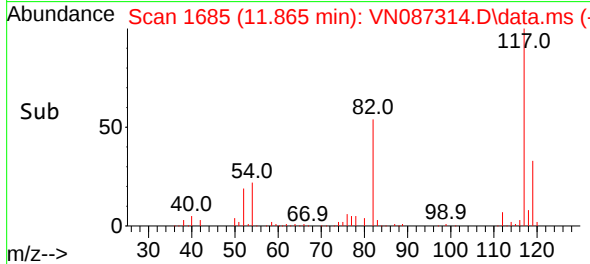
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



Tgt Ion: 117 Resp: 18627
Ion Ratio Lower Upper
117 100
82 52.8 45.4 68.2
119 31.4 26.2 39.4

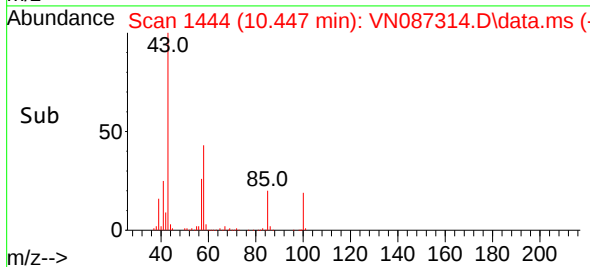
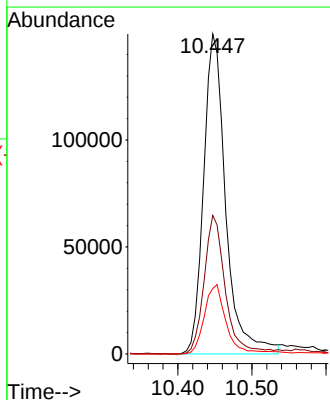
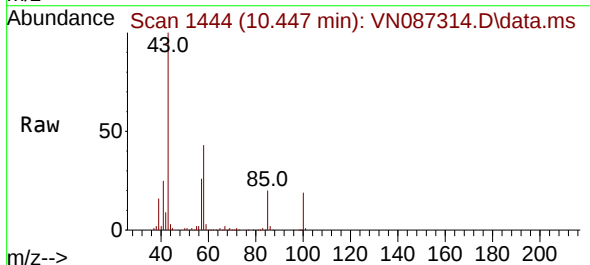
Manual Integrations
APPROVED

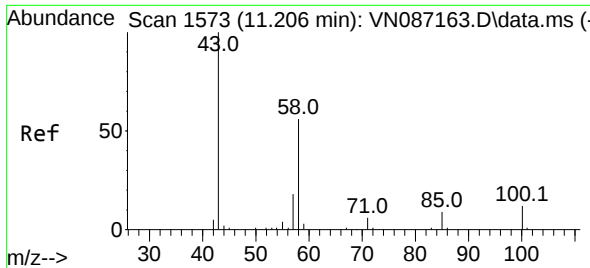
Reviewed By :John Carlone 07/10/2025
Supervised By :Mahesh Dadoda 07/10/2025



#58
4-Methyl-2-Pentanone
Concen: 82.870 ug/l
RT: 10.447 min Scan# 1444
Delta R.T. 0.000 min
Lab File: VN087314.D
Acq: 09 Jul 2025 16:42

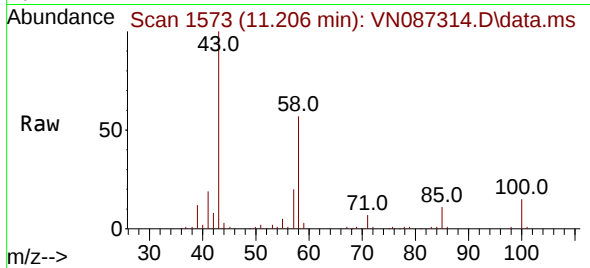
Tgt Ion: 43 Resp: 310331
Ion Ratio Lower Upper
43 100
58 41.2 32.6 49.0
85 20.4 14.6 22.0





#59
2-Hexanone
Concen: 73.674 ug/l
RT: 11.206 min Scan# 1573
Delta R.T. 0.000 min
Lab File: VN087314.D
Acq: 09 Jul 2025 16:42

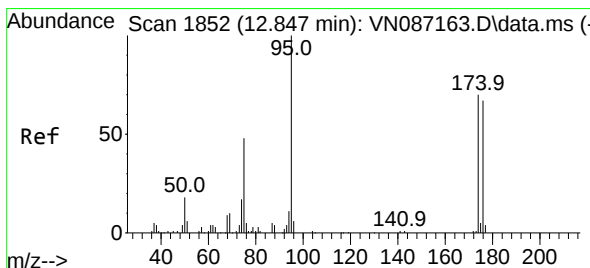
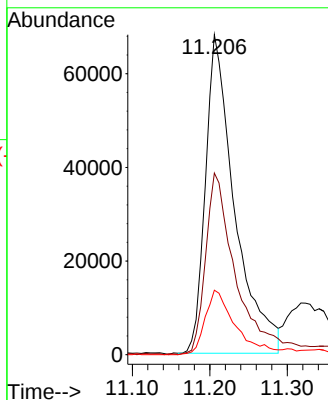
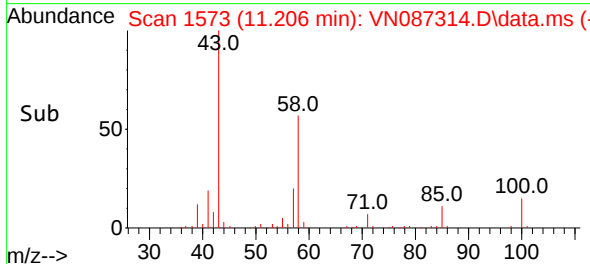
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



Tgt Ion: 43 Resp: 178152
Ion Ratio Lower Upper
43 100
58 58.0 49.2 73.8
57 19.8 15.3 22.9

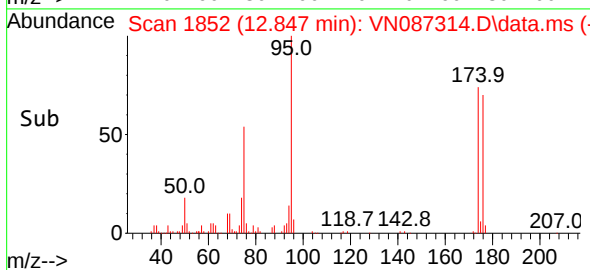
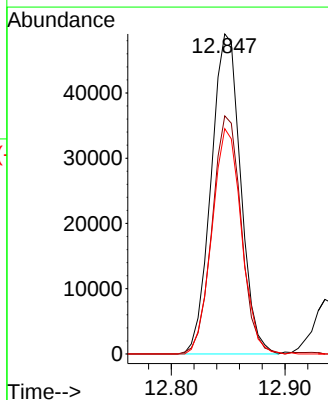
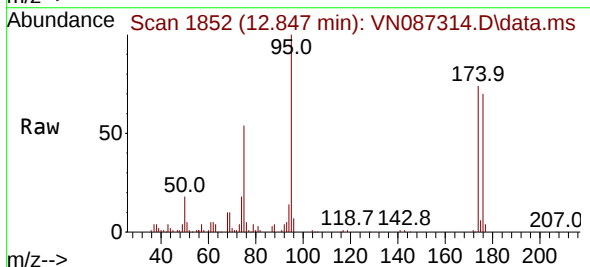
Manual Integrations
APPROVED

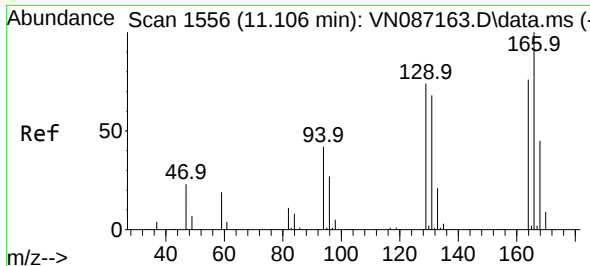
Reviewed By :John Carlone 07/10/2025
Supervised By :Mahesh Dadoda 07/10/2025



#60
4-Bromofluorobenzene
Concen: 30.766 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN087314.D
Acq: 09 Jul 2025 16:42

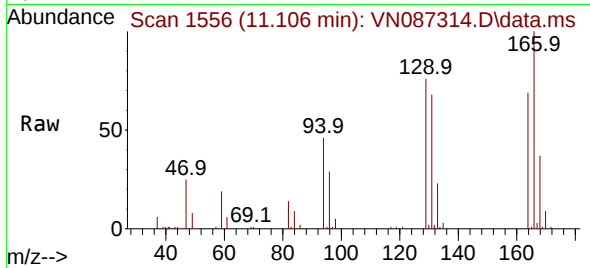
Tgt Ion: 95 Resp: 88433
Ion Ratio Lower Upper
95 100
174 73.2 54.5 81.7
176 70.3 51.9 77.9





#61
Tetrachloroethene
Concen: 19.968 ug/l
RT: 11.106 min Scan# 1556
Delta R.T. 0.000 min
Lab File: VN087314.D
Acq: 09 Jul 2025 16:42

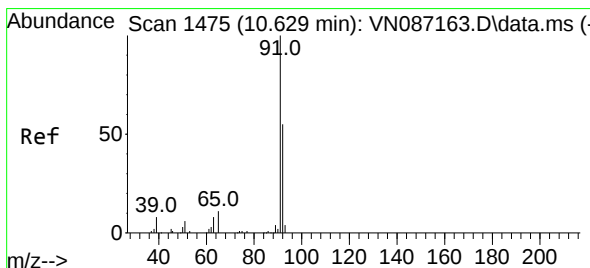
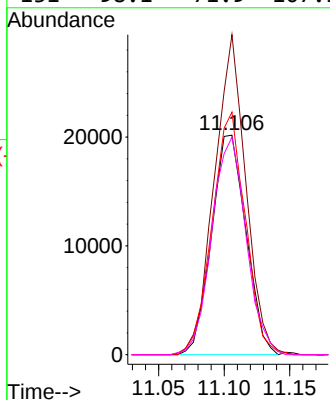
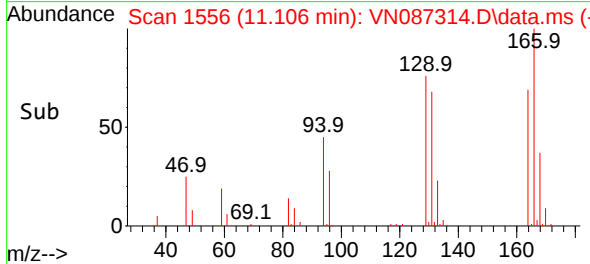
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



Tgt Ion:164 Resp: 3683
Ion Ratio Lower Upper
164 100
166 145.0 105.4 158.2
129 110.5 77.9 116.9
131 98.1 71.9 107.9

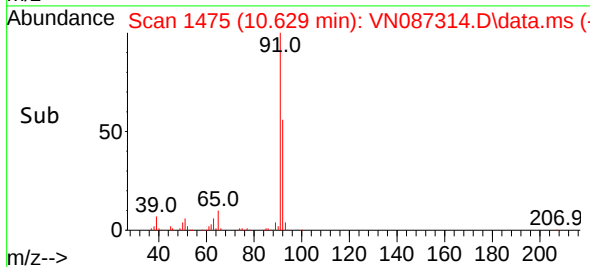
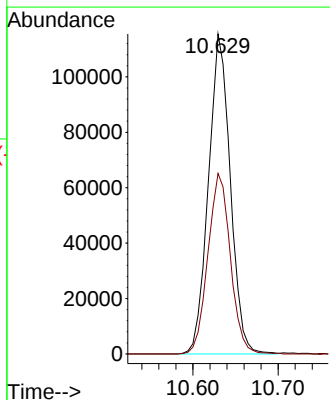
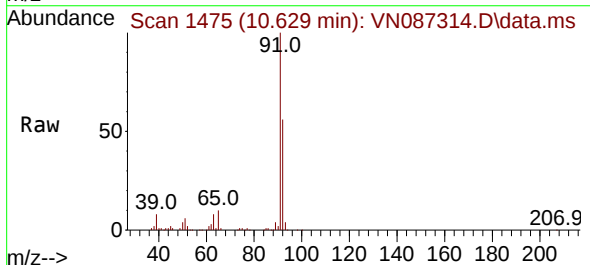
Manual Integrations
APPROVED

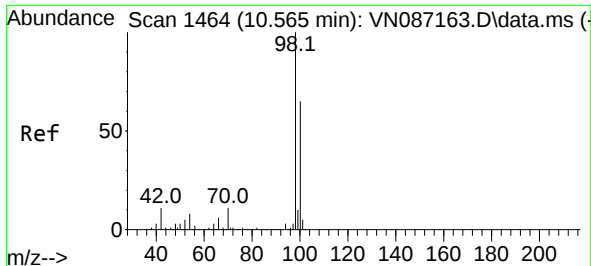
Reviewed By :John Carlone 07/10/2025
Supervised By :Mahesh Dadoda 07/10/2025



#62
Toluene
Concen: 19.535 ug/l
RT: 10.629 min Scan# 1475
Delta R.T. 0.000 min
Lab File: VN087314.D
Acq: 09 Jul 2025 16:42

Tgt Ion: 91 Resp: 205518
Ion Ratio Lower Upper
91 100
92 58.0 45.8 68.8





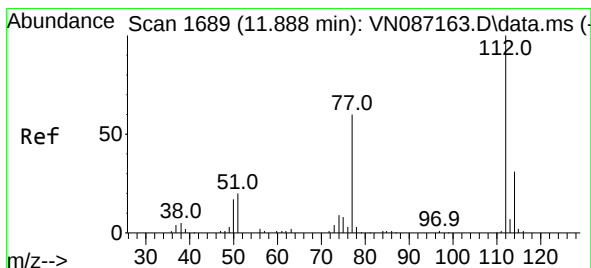
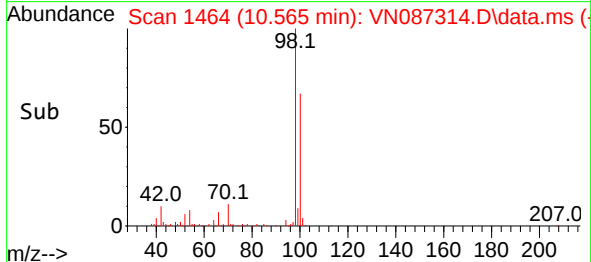
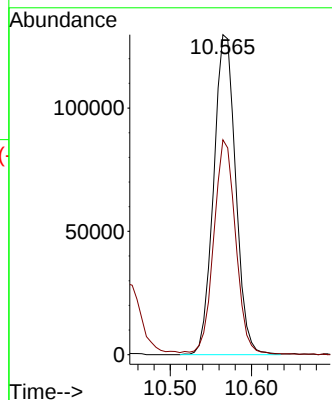
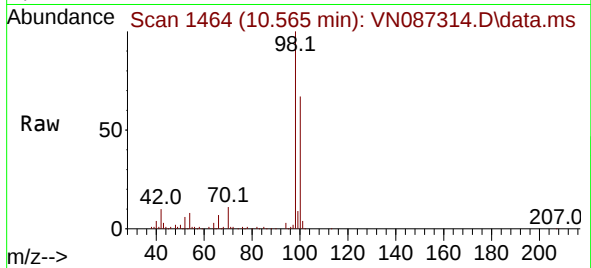
#63
Toluene-d8
Concen: 29.277 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. 0.000 min
Lab File: VN087314.D
Acq: 09 Jul 2025 16:42

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tgt Ion: 98 Resp: 244862
Ion Ratio Lower Upper
98 100
100 66.1 52.5 78.7

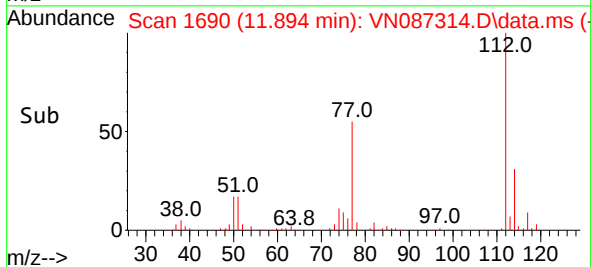
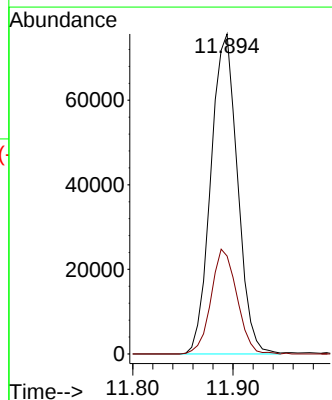
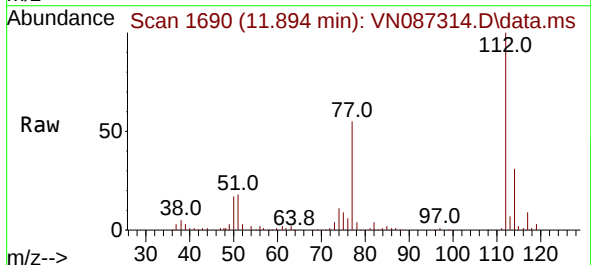
Manual Integrations
APPROVED

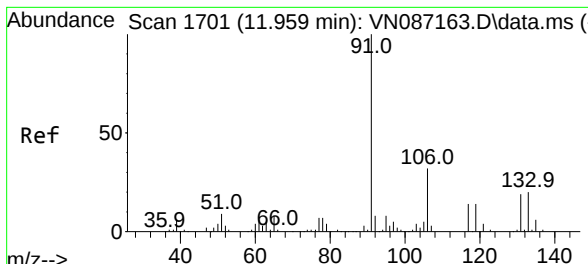
Reviewed By :John Carlone 07/10/2025
Supervised By :Mahesh Dadoda 07/10/2025



#64
Chlorobenzene
Concen: 20.859 ug/l
RT: 11.894 min Scan# 1690
Delta R.T. 0.006 min
Lab File: VN087314.D
Acq: 09 Jul 2025 16:42

Tgt Ion:112 Resp: 139979
Ion Ratio Lower Upper
112 100
114 30.6 25.0 37.4





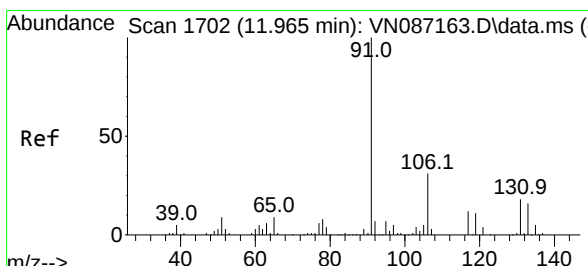
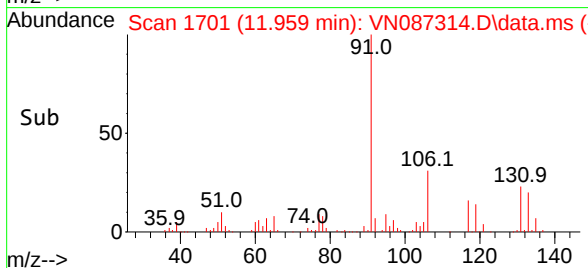
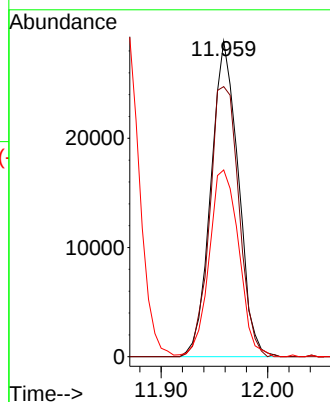
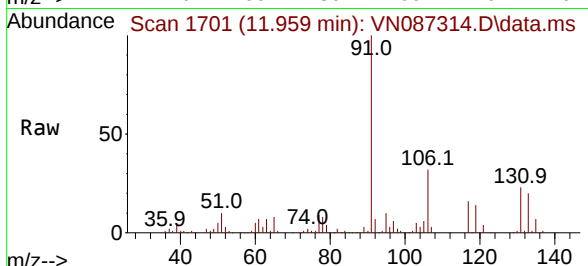
#65
 1,1,1,2-Tetrachloroethane
 Concen: 23.303 ug/l
 RT: 11.959 min Scan# 1701
 Delta R.T. 0.000 min
 Lab File: VN087314.D
 Acq: 09 Jul 2025 16:42

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tgt Ion:131 Resp: 5167
 Ion Ratio Lower Upper
 131 100
 133 91.3 0.0 187.8
 119 63.8 0.0 140.0

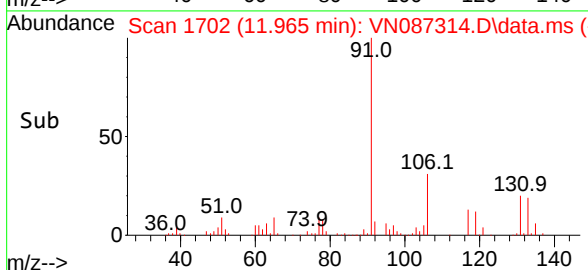
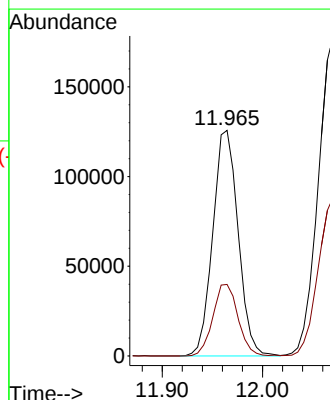
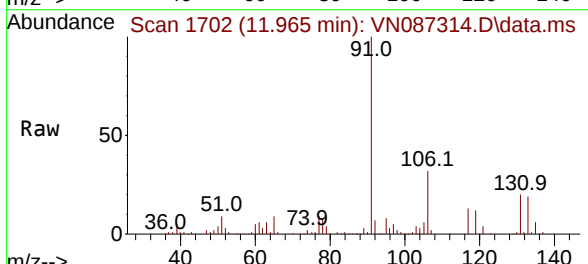
Manual Integrations
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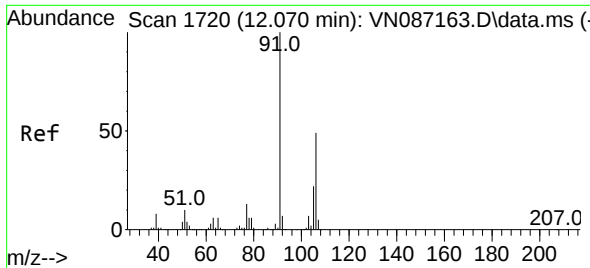
Reviewed By :John Carlone 07/10/2025
 Supervised By :Mahesh Dadoda 07/10/2025



#66
 Ethyl Benzene
 Concen: 19.166 ug/l
 RT: 11.965 min Scan# 1702
 Delta R.T. 0.000 min
 Lab File: VN087314.D
 Acq: 09 Jul 2025 16:42

Tgt Ion: 91 Resp: 220704
 Ion Ratio Lower Upper
 91 100
 106 31.7 24.8 37.2





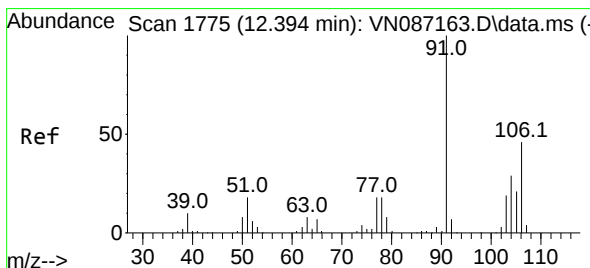
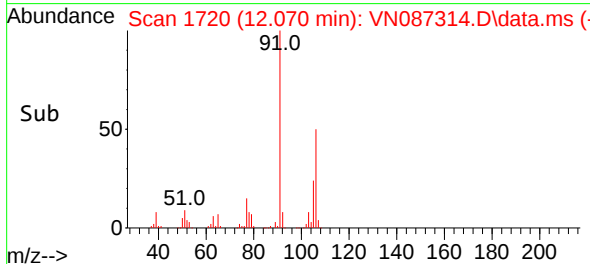
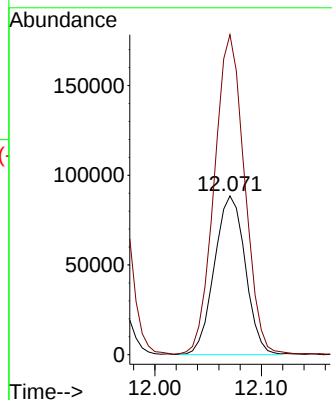
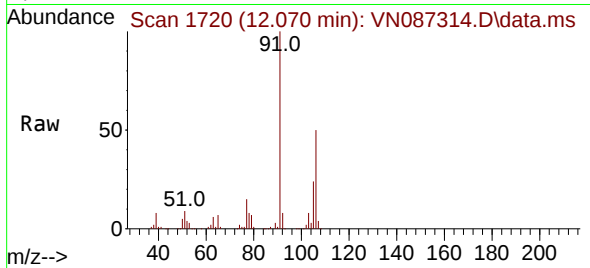
#67
m/p-Xylenes
Concen: 40.421 ug/l
RT: 12.070 min Scan# 1720
Delta R.T. 0.000 min
Lab File: VN087314.D
Acq: 09 Jul 2025 16:42

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tgt Ion:106 Resp: 17836
Ion Ratio Lower Upper
106 100
91 196.7 163.0 244.4

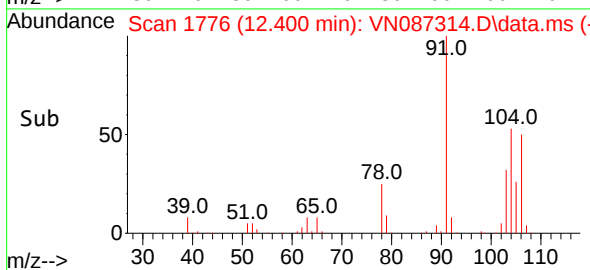
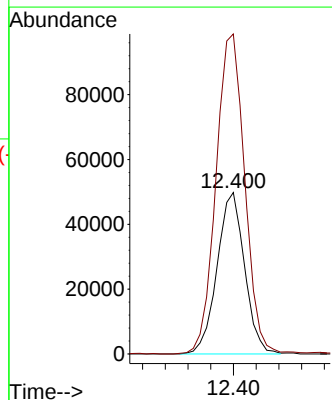
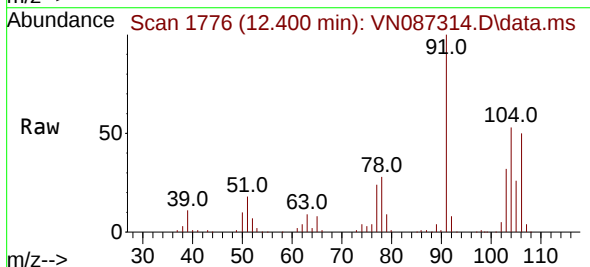
Manual Integrations
APPROVED

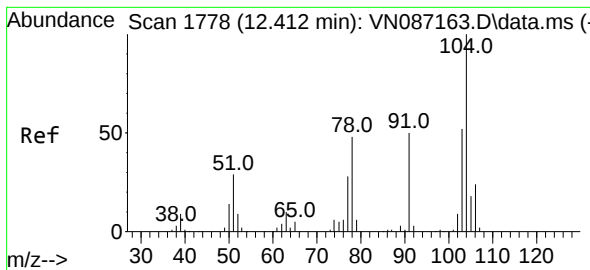
Reviewed By :John Carlone 07/10/2025
Supervised By :Mahesh Dadoda 07/10/2025



#68
o-Xylene
Concen: 19.858 ug/l
RT: 12.400 min Scan# 1776
Delta R.T. 0.006 min
Lab File: VN087314.D
Acq: 09 Jul 2025 16:42

Tgt Ion:106 Resp: 83598
Ion Ratio Lower Upper
106 100
91 206.9 107.1 321.1





#69

Styrene

Concen: 20.102 ug/l

RT: 12.412 min Scan# 1778

Delta R.T. 0.000 min

Lab File: VN087314.D

Acq: 09 Jul 2025 16:42

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

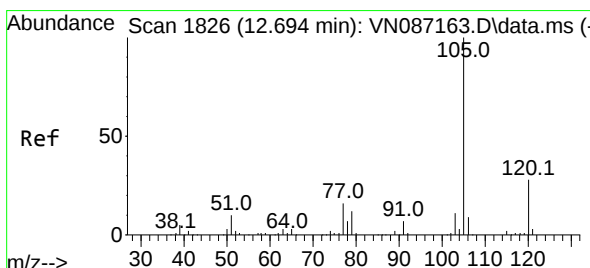
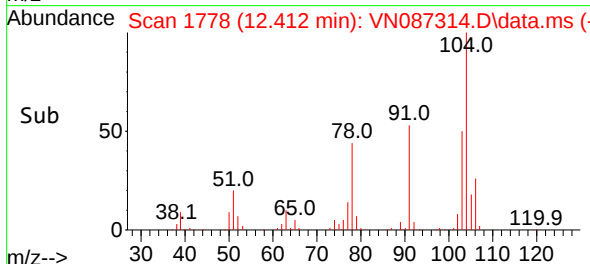
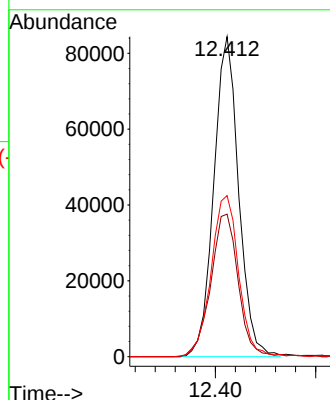
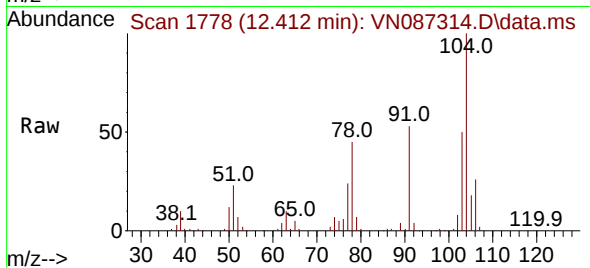
Tgt Ion:104 Resp: 145285
 Ion Ratio Lower Upper
 104 100
 78 49.1 39.8 59.8
 103 55.5 44.2 66.4

Manual Integrations

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Reviewed By :John Carlone 07/10/2025

Supervised By :Mahesh Dadoda 07/10/2025



#70

Isopropylbenzene

Concen: 20.208 ug/l

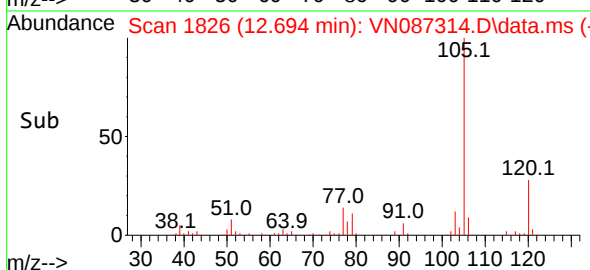
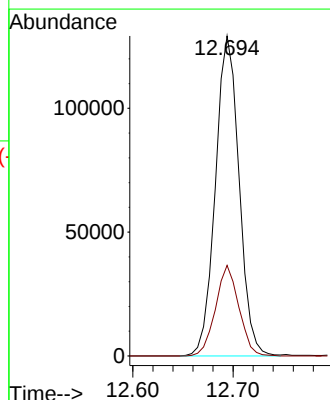
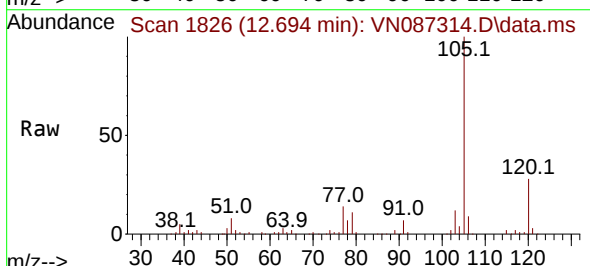
RT: 12.694 min Scan# 1826

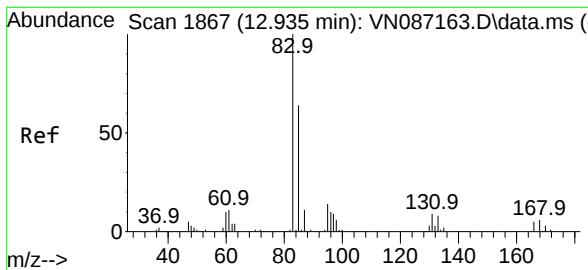
Delta R.T. 0.000 min

Lab File: VN087314.D

Acq: 09 Jul 2025 16:42

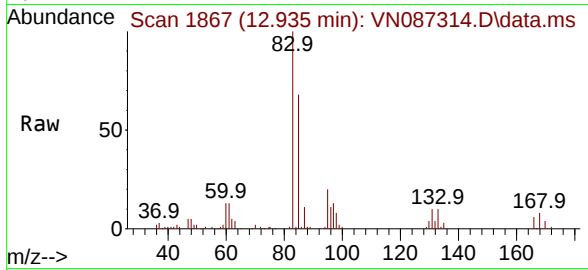
Tgt Ion:105 Resp: 211869
 Ion Ratio Lower Upper
 105 100
 120 27.8 19.0 35.2





#71
1,1,2,2-Tetrachloroethane
Concen: 20.984 ug/l
RT: 12.935 min Scan# 1867
Delta R.T. 0.000 min
Lab File: VN087314.D
Acq: 09 Jul 2025 16:42

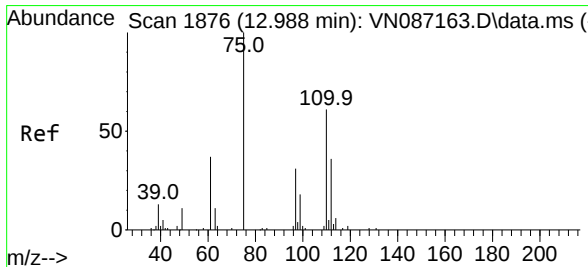
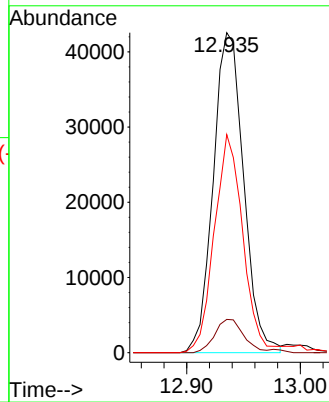
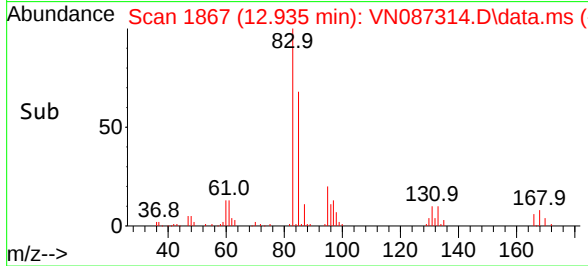
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



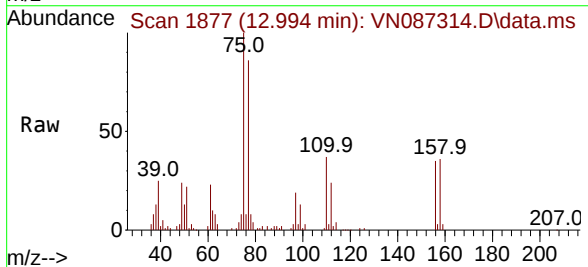
Tgt Ion: 83 Resp: 79190
Ion Ratio Lower Upper
83 100
131 9.9 4.5 13.4
85 63.5 31.3 93.9

Manual Integrations
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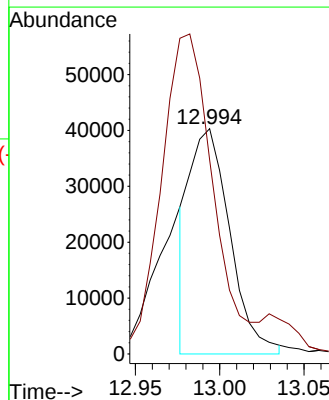
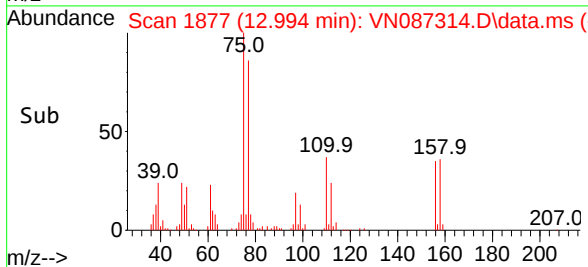
Reviewed By :John Carlone 07/10/2025
Supervised By :Mahesh Dadoda 07/10/2025

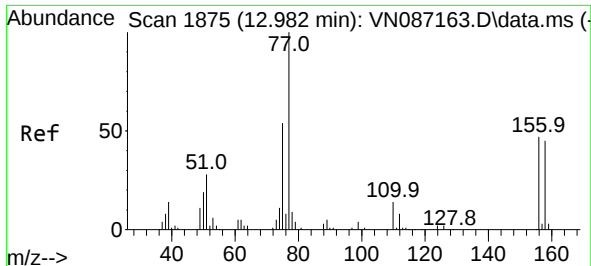


#72
1,2,3-Trichloropropane
Concen: 20.625 ug/l m
RT: 12.994 min Scan# 1877
Delta R.T. 0.006 min
Lab File: VN087314.D
Acq: 09 Jul 2025 16:42



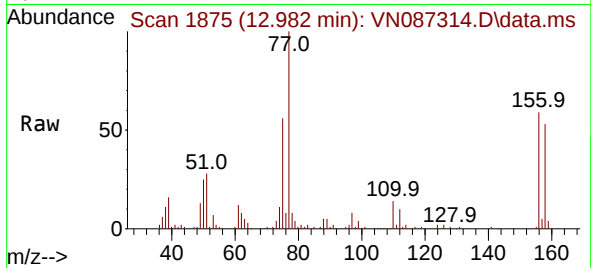
Tgt Ion: 75 Resp: 67122
Ion Ratio Lower Upper
75 100
77 180.4 0.0 379.2





#73
Bromobenzene
Concen: 23.016 ug/l
RT: 12.982 min Scan# 1875
Delta R.T. 0.000 min
Lab File: VN087314.D
Acq: 09 Jul 2025 16:42

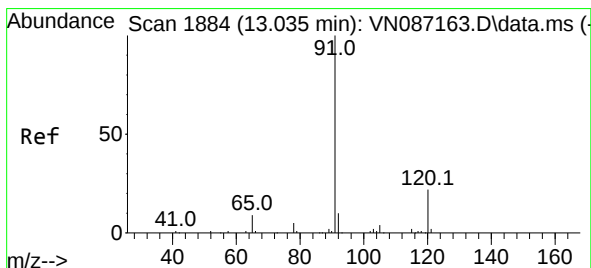
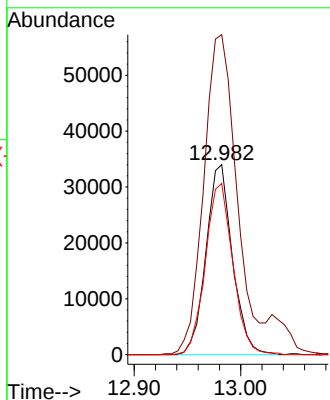
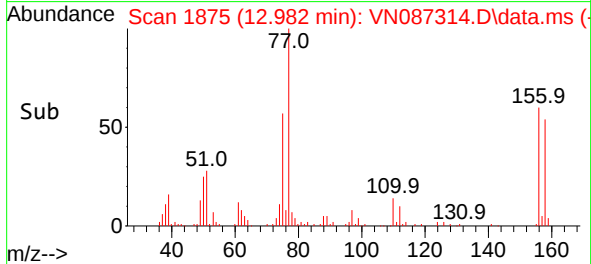
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



Tgt Ion:156 Resp: 58538
Ion Ratio Lower Upper
156 100
77 206.9 0.0 489.0
158 93.8 0.0 195.2

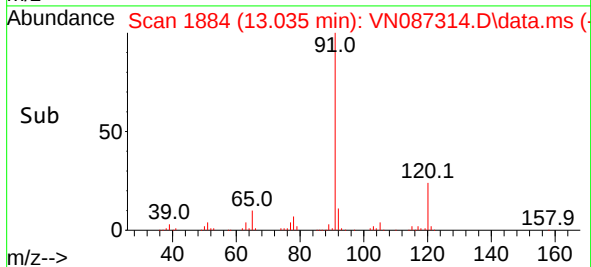
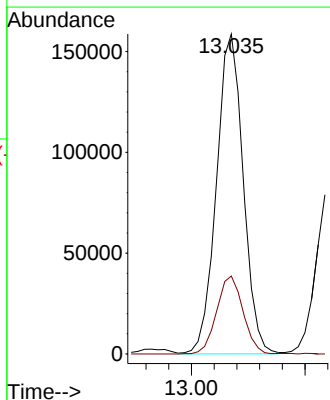
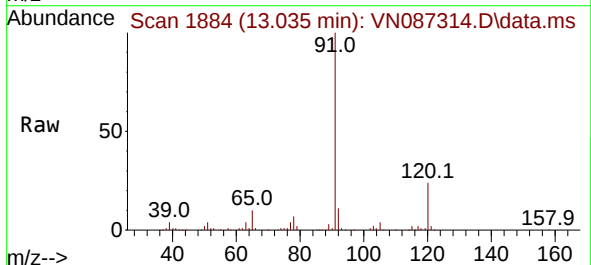
Manual Integrations
APPROVED

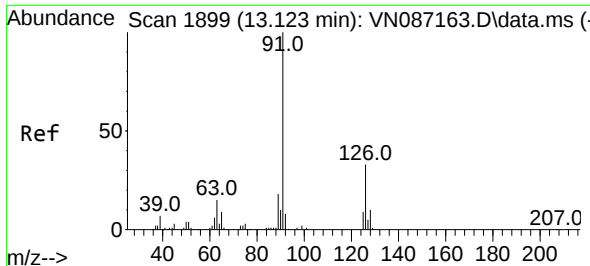
Reviewed By :John Carlone 07/10/2025
Supervised By :Mahesh Dadoda 07/10/2025



#74
n-propylbenzene
Concen: 20.238 ug/l
RT: 13.035 min Scan# 1884
Delta R.T. 0.000 min
Lab File: VN087314.D
Acq: 09 Jul 2025 16:42

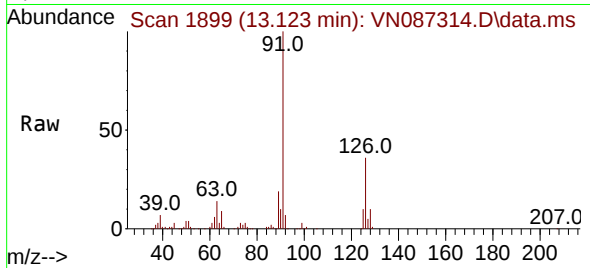
Tgt Ion: 91 Resp: 259224
Ion Ratio Lower Upper
91 100
120 23.9 0.0 43.6





#75
2-Chlorotoluene
Concen: 20.768 ug/l
RT: 13.123 min Scan# 1899
Delta R.T. 0.000 min
Lab File: VN087314.D
Acq: 09 Jul 2025 16:42

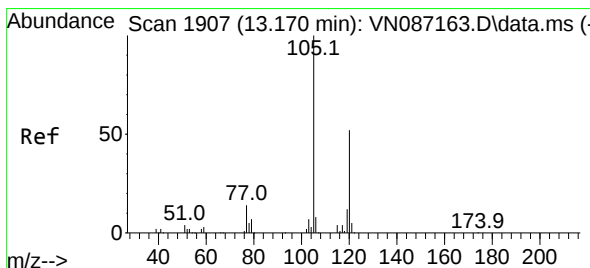
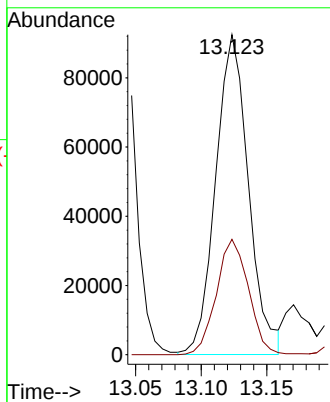
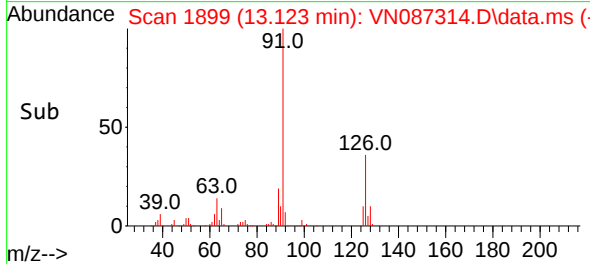
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



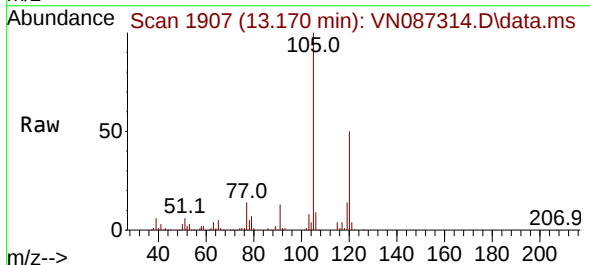
Tgt Ion: 91 Resp: 160710
Ion Ratio Lower Upper
91 100
126 35.3 0.0 63.8

Manual Integrations
APPROVED

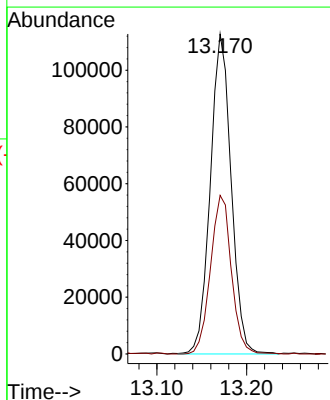
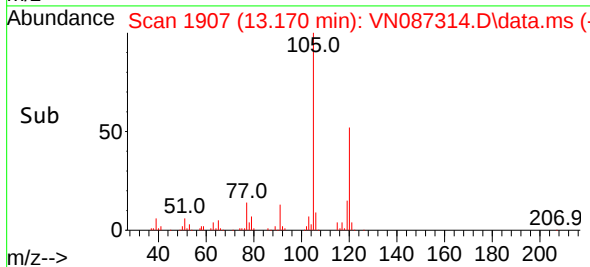
Reviewed By :John Carlone 07/10/2025
Supervised By :Mahesh Dadoda 07/10/2025

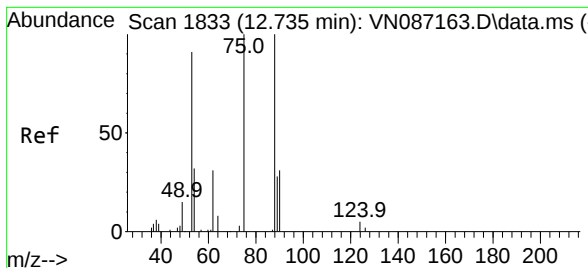


#76
1,3,5-Trimethylbenzene
Concen: 21.304 ug/l
RT: 13.170 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VN087314.D
Acq: 09 Jul 2025 16:42



Tgt Ion:105 Resp: 181842
Ion Ratio Lower Upper
105 100
120 49.6 0.0 100.8





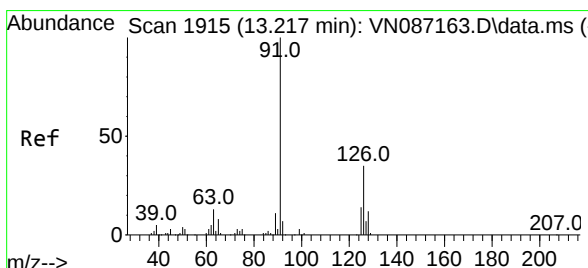
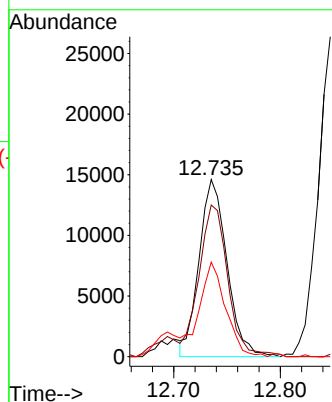
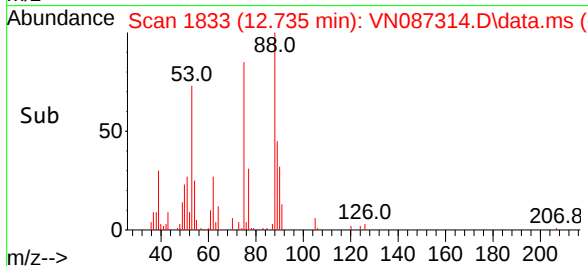
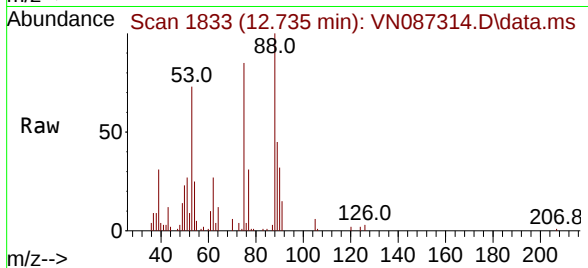
#77
t-1,4-Dichloro-2-butene
Concen: 18.415 ug/l
RT: 12.735 min Scan# 1833
Delta R.T. 0.000 min
Lab File: VN087314.D
Acq: 09 Jul 2025 16:42

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tgt Ion: 75 Resp: 2658
Ion Ratio Lower Upper
75 100
53 84.4 45.9 137.6
89 52.0 22.3 66.9

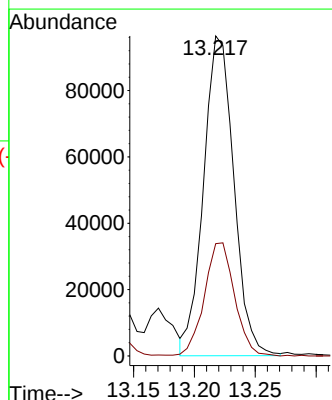
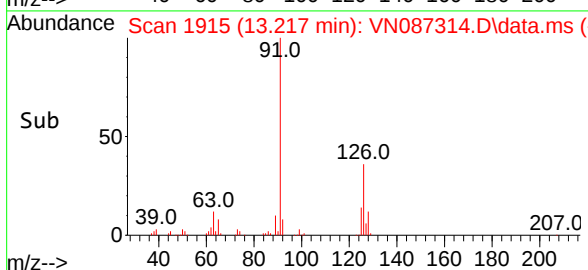
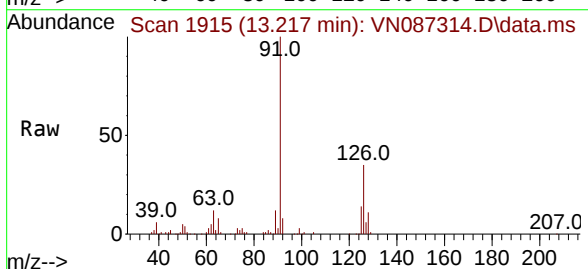
Manual Integrations
APPROVED

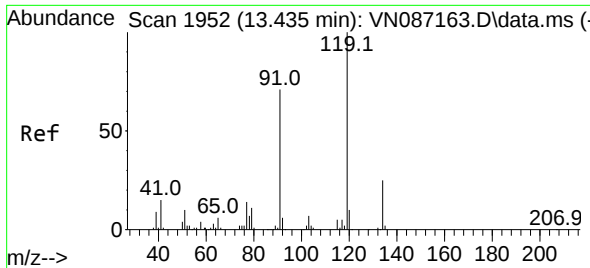
Reviewed By :John Carlone 07/10/2025
Supervised By :Mahesh Dadoda 07/10/2025



#78
4-Chlorotoluene
Concen: 21.095 ug/l
RT: 13.217 min Scan# 1915
Delta R.T. 0.000 min
Lab File: VN087314.D
Acq: 09 Jul 2025 16:42

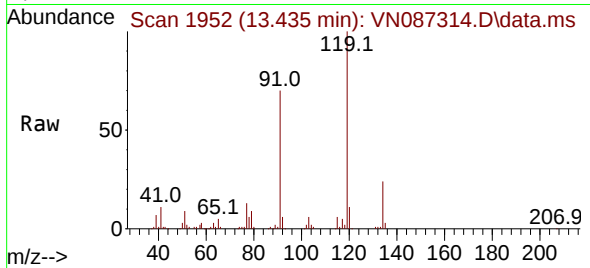
Tgt Ion: 91 Resp: 167189
Ion Ratio Lower Upper
91 100
126 35.2 0.0 65.2





#79
tert-butylbenzene
Concen: 21.431 ug/l
RT: 13.435 min Scan# 1952
Delta R.T. 0.000 min
Lab File: VN087314.D
Acq: 09 Jul 2025 16:42

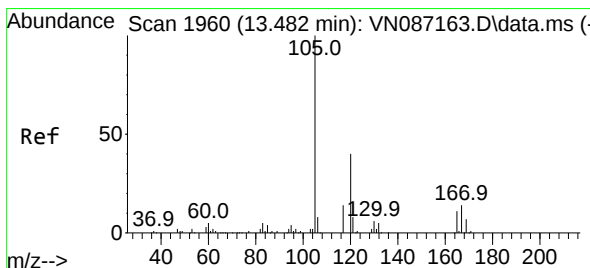
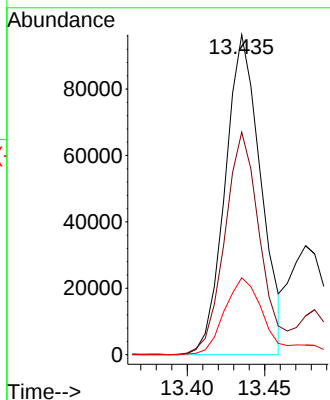
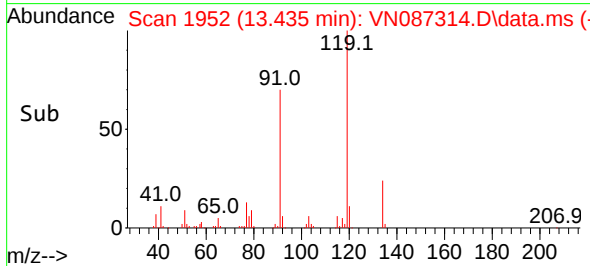
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



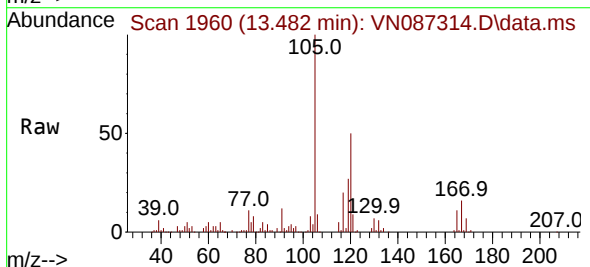
Tgt Ion:119 Resp: 153768
Ion Ratio Lower Upper
119 100
91 69.2 0.0 137.0
134 25.5 0.0 49.4

Manual Integrations
APPROVED

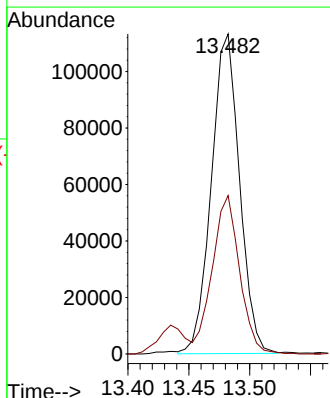
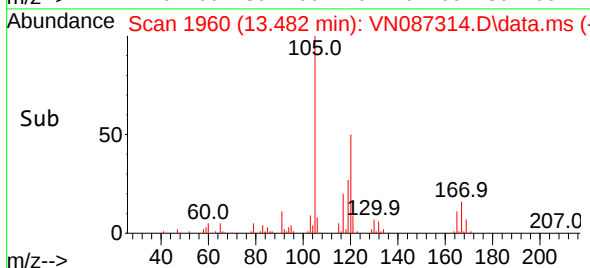
Reviewed By :John Carlone 07/10/2025
Supervised By :Mahesh Dadoda 07/10/2025

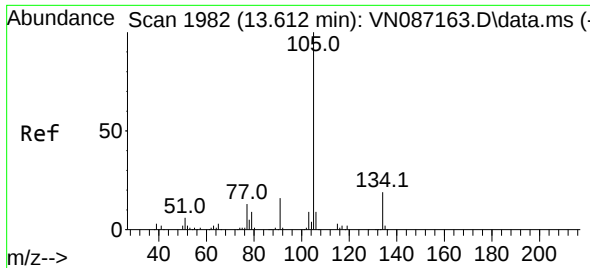


#80
1,2,4-Trimethylbenzene
Concen: 21.252 ug/l
RT: 13.482 min Scan# 1960
Delta R.T. 0.000 min
Lab File: VN087314.D
Acq: 09 Jul 2025 16:42



Tgt Ion:105 Resp: 182147
Ion Ratio Lower Upper
105 100
120 48.0 0.0 94.0





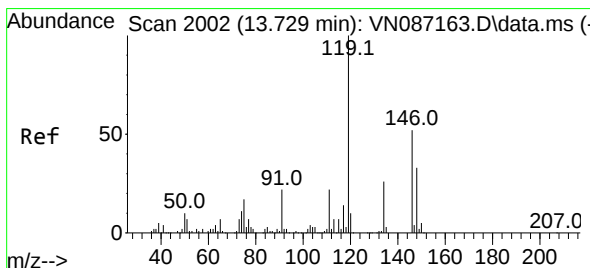
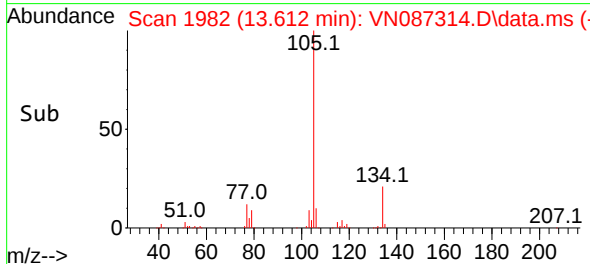
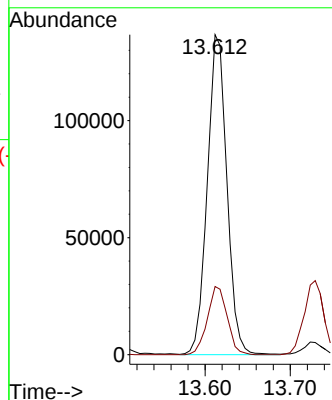
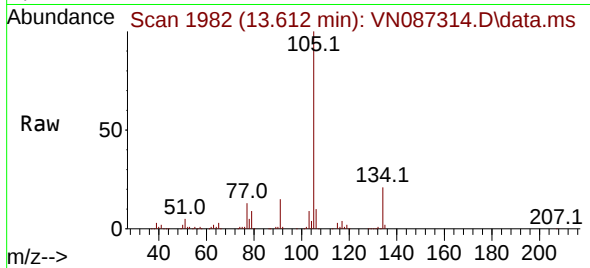
#81
 sec-Butylbenzene
 Concen: 20.940 ug/l
 RT: 13.612 min Scan# 1982
 Delta R.T. 0.000 min
 Lab File: VN087314.D
 Acq: 09 Jul 2025 16:42

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tgt Ion:105 Resp: 21839
 Ion Ratio Lower Upper
 105 100
 134 21.5 0.0 39.4

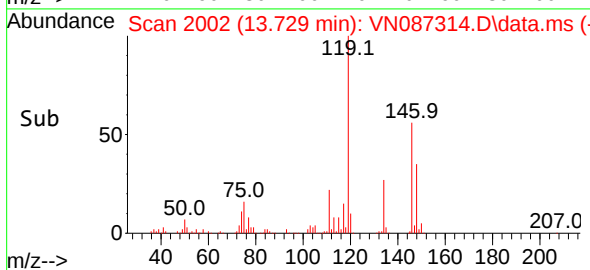
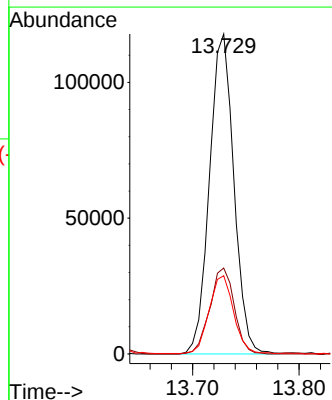
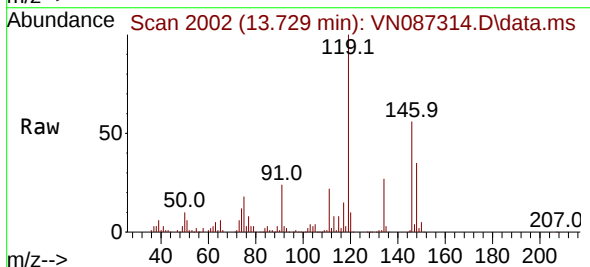
Manual Integrations
 APPROVED

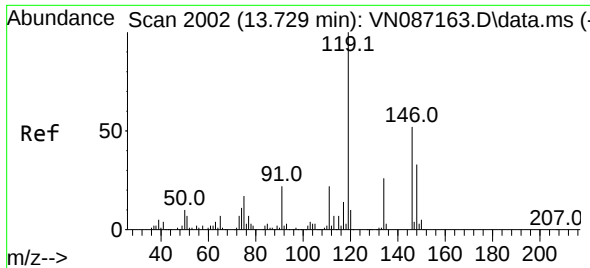
Reviewed By :John Carlone 07/10/2025
 Supervised By :Mahesh Dadoda 07/10/2025



#82
 p-Isopropyltoluene
 Concen: 21.597 ug/l
 RT: 13.729 min Scan# 2002
 Delta R.T. 0.000 min
 Lab File: VN087314.D
 Acq: 09 Jul 2025 16:42

Tgt Ion:119 Resp: 187455
 Ion Ratio Lower Upper
 119 100
 134 26.9 0.0 51.2
 91 24.4 0.0 46.4





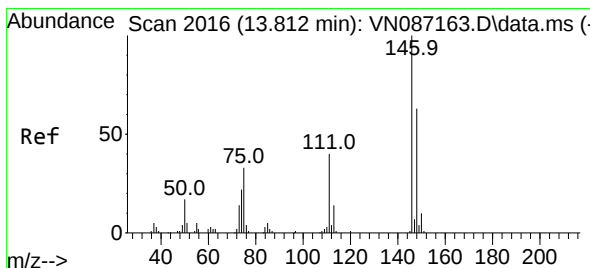
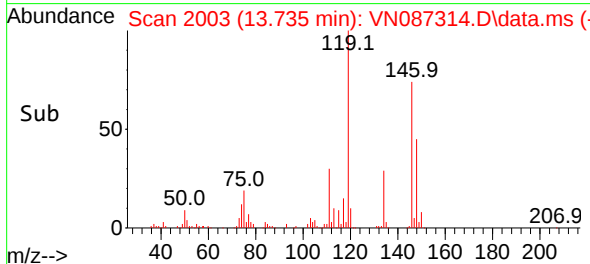
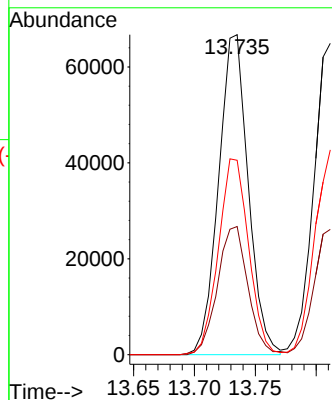
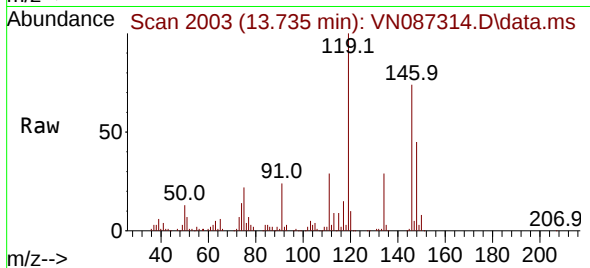
#83
1,3-Dichlorobenzene
Concen: 23.134 ug/l
RT: 13.735 min Scan# 2003
Delta R.T. 0.006 min
Lab File: VN087314.D
Acq: 09 Jul 2025 16:42

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tgt Ion:146 Resp: 11330
Ion Ratio Lower Upper
146 100
111 41.1 21.1 63.3
148 62.4 31.6 94.8

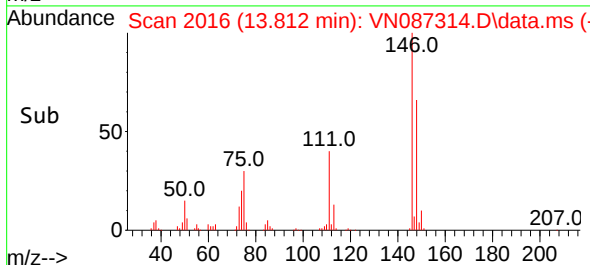
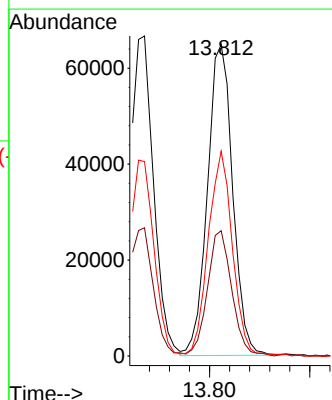
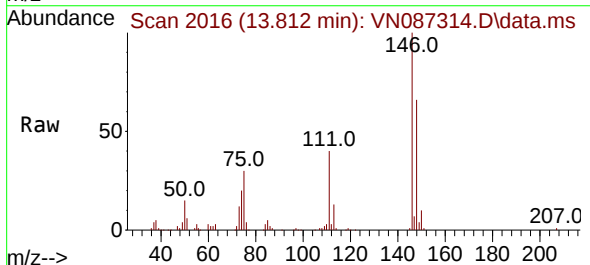
Manual Integrations
APPROVED

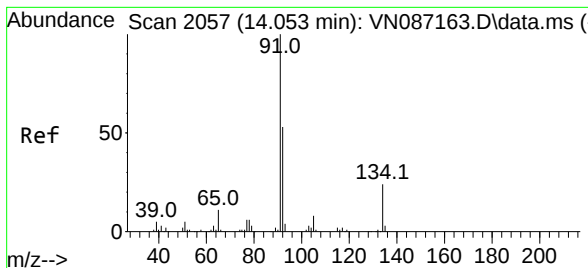
Reviewed By :John Carlone 07/10/2025
Supervised By :Mahesh Dadoda 07/10/2025



#84
1,4-Dichlorobenzene
Concen: 22.949 ug/l
RT: 13.812 min Scan# 2016
Delta R.T. 0.000 min
Lab File: VN087314.D
Acq: 09 Jul 2025 16:42

Tgt Ion:146 Resp: 113116
Ion Ratio Lower Upper
146 100
111 38.8 20.1 60.2
148 62.4 31.4 94.2





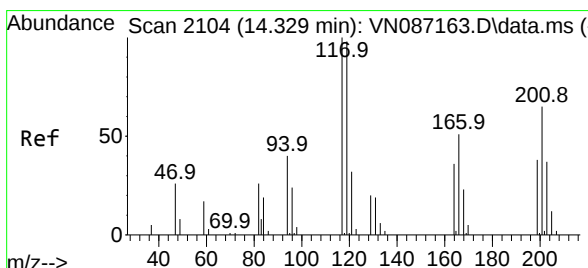
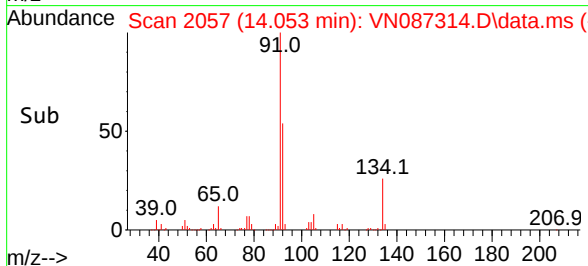
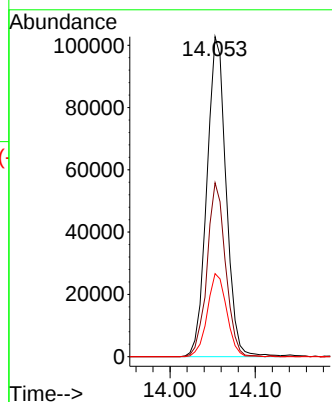
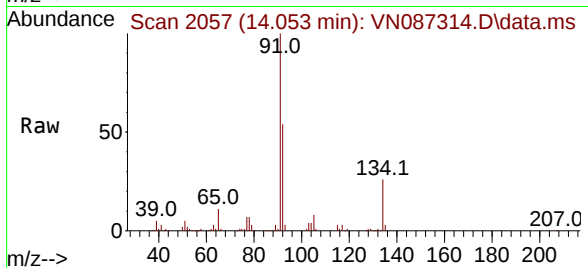
#85
n-Butylbenzene
Concen: 20.337 ug/l
RT: 14.053 min Scan# 2057
Delta R.T. 0.000 min
Lab File: VN087314.D
Acq: 09 Jul 2025 16:42

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tgt Ion: 91 Resp: 161050
Ion Ratio Lower Upper
91 100
92 52.2 0.0 106.4
134 26.1 0.0 48.8

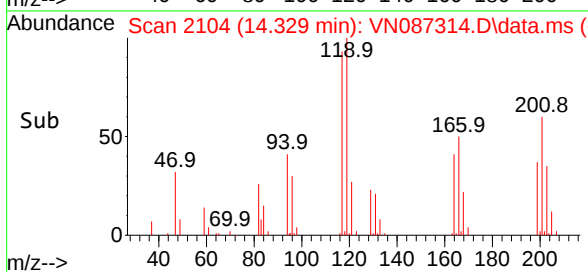
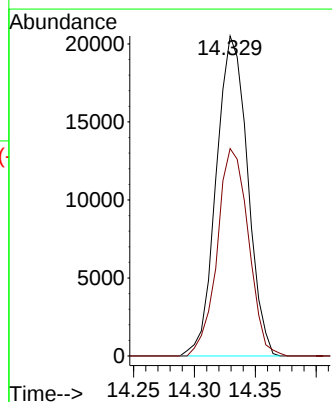
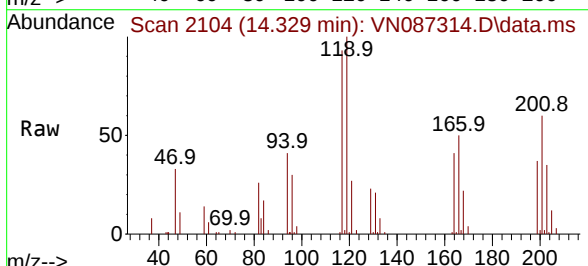
Manual Integrations
APPROVED

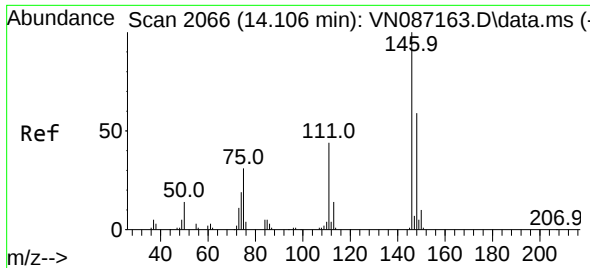
Reviewed By :John Carlone 07/10/2025
Supervised By :Mahesh Dadoda 07/10/2025



#86
Hexachloroethane
Concen: 22.324 ug/l
RT: 14.329 min Scan# 2104
Delta R.T. 0.000 min
Lab File: VN087314.D
Acq: 09 Jul 2025 16:42

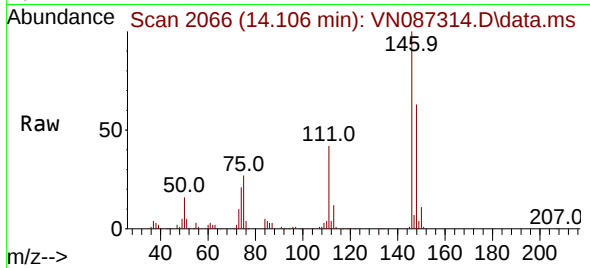
Tgt Ion:117 Resp: 36678
Ion Ratio Lower Upper
117 100
201 64.6 30.8 92.3





#87
1,2-Dichlorobenzene
Concen: 23.402 ug/l
RT: 14.106 min Scan# 2066
Delta R.T. 0.000 min
Lab File: VN087314.D
Acq: 09 Jul 2025 16:42

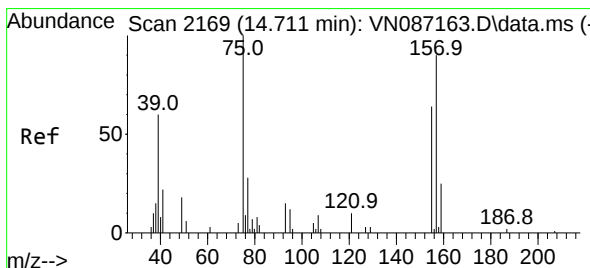
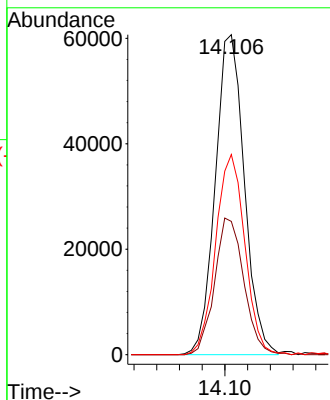
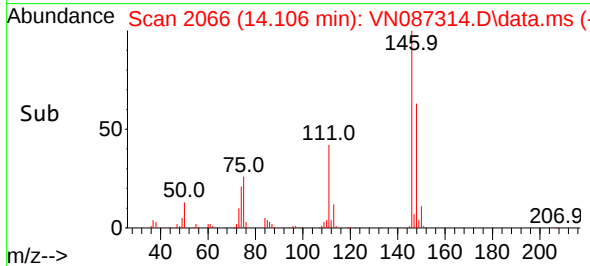
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



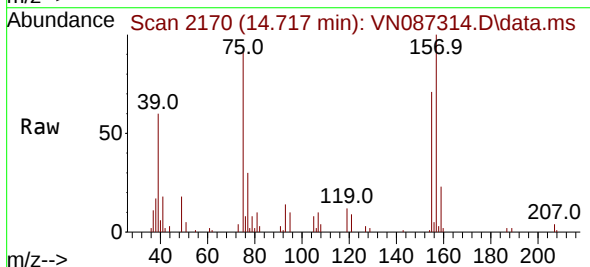
Tgt Ion:146 Resp: 108070
Ion Ratio Lower Upper
146 100
111 42.8 22.1 66.1
148 62.6 31.6 95.0

Manual Integrations
APPROVED

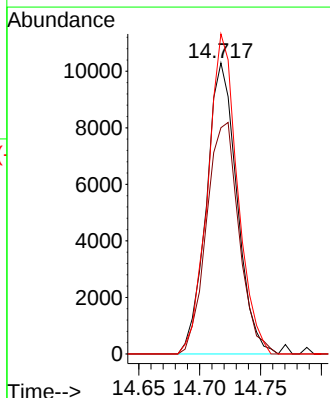
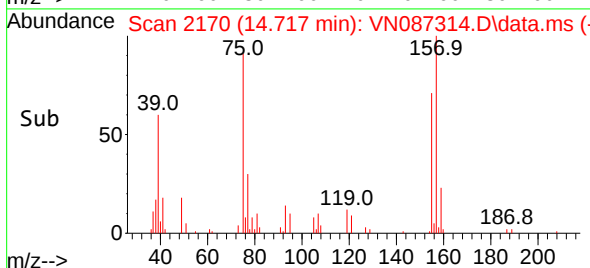
Reviewed By :John Carlone 07/10/2025
Supervised By :Mahesh Dadoda 07/10/2025

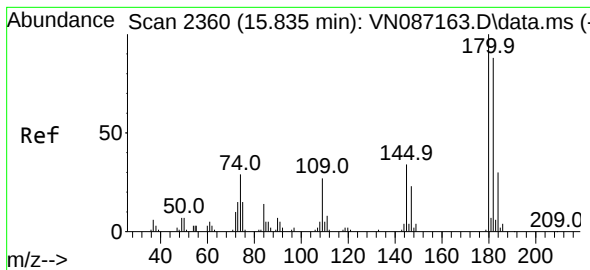


#88
1,2-Dibromo-3-Chloropropane
Concen: 21.154 ug/l
RT: 14.717 min Scan# 2170
Delta R.T. 0.006 min
Lab File: VN087314.D
Acq: 09 Jul 2025 16:42



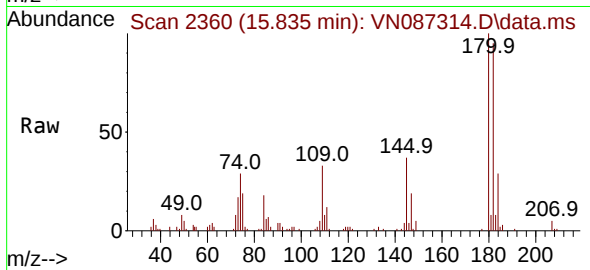
Tgt Ion: 75 Resp: 17976
Ion Ratio Lower Upper
75 100
155 84.7 58.3 87.5
157 107.1 79.2 118.8





#89
1,2,4-Trichlorobenzene
Concen: 21.644 ug/l
RT: 15.835 min Scan# 2360
Delta R.T. 0.000 min
Lab File: VN087314.D
Acq: 09 Jul 2025 16:42

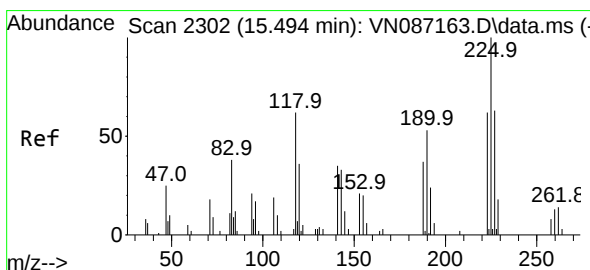
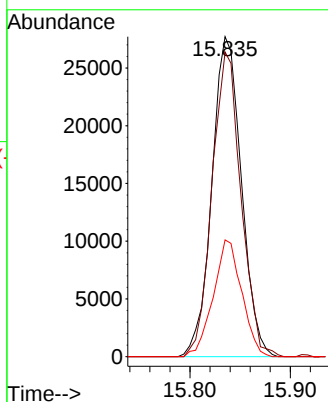
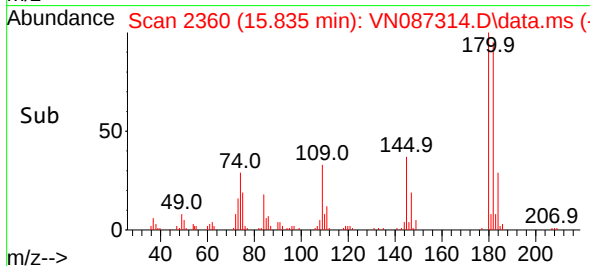
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



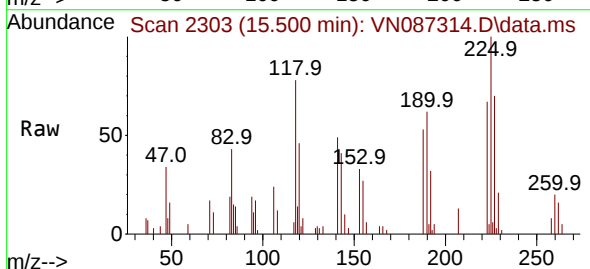
Tgt Ion:180 Resp: 56549
Ion Ratio Lower Upper
180 100
182 92.9 74.2 111.2
145 35.2 27.6 41.4

Manual Integrations
APPROVED

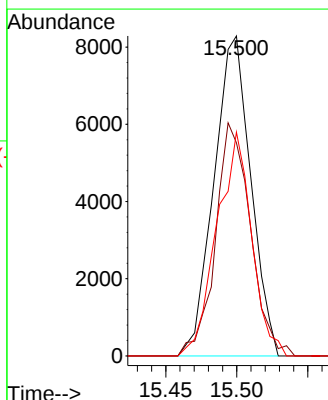
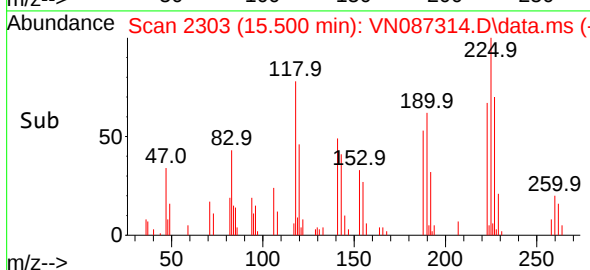
Reviewed By :John Carlone 07/10/2025
Supervised By :Mahesh Dadoda 07/10/2025

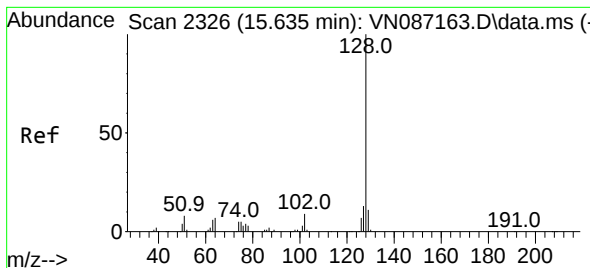


#90
Hexachlorobutadiene
Concen: 19.259 ug/l
RT: 15.500 min Scan# 2303
Delta R.T. 0.006 min
Lab File: VN087314.D
Acq: 09 Jul 2025 16:42



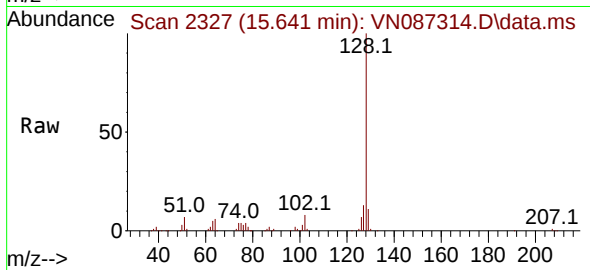
Tgt Ion:225 Resp: 14931
Ion Ratio Lower Upper
225 100
223 69.1 0.0 134.2
227 66.1 0.0 122.6





#91
Naphthalene
Concen: 20.106 ug/l
RT: 15.641 min Scan# 21
Delta R.T. 0.006 min
Lab File: VN087314.D
Acq: 09 Jul 2025 16:42

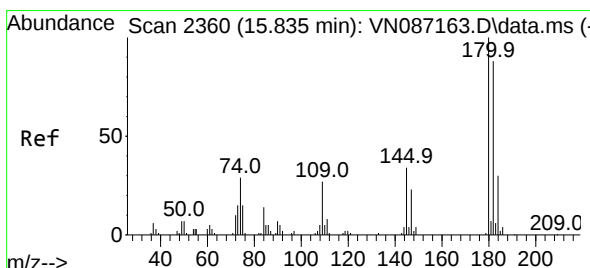
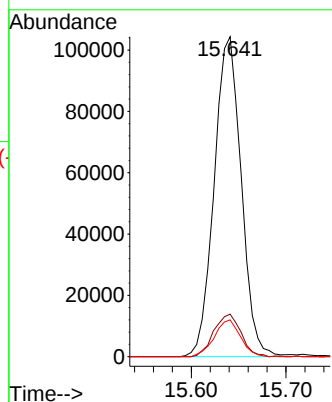
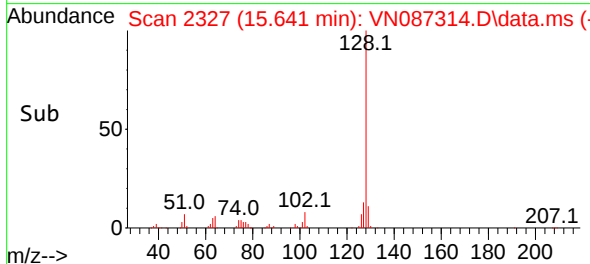
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



Tgt Ion:128 Resp: 206744
Ion Ratio Lower Upper
128 100
127 13.4 10.6 15.8
129 11.1 8.8 13.2

Manual Integrations
APPROVED

Reviewed By :John Carlone 07/10/2025
Supervised By :Mahesh Dadoda 07/10/2025



#92
1,2,3-Trichlorobenzene
Concen: 21.644 ug/l
RT: 15.835 min Scan# 2360
Delta R.T. 0.000 min
Lab File: VN087314.D
Acq: 09 Jul 2025 16:42

Tgt Ion:180 Resp: 56549
Ion Ratio Lower Upper
180 100
182 92.9 0.0 185.4
145 35.2 0.0 69.0

