

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN071025\
 Data File : VN087316.D
 Acq On : 10 Jul 2025 10:41
 Operator : JC\MD
 Sample : VSTDCCC020
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Manual Integrations
 APPROVED

Reviewed By : John Carlone 07/11/2025
 Supervised By : Mahesh Dadoda 07/14/2025

Quant Time: Jul 11 01:06:21 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	41639	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.106	114	206728	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.865	117	202666	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.582	65	87959	28.037	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery =	93.467%		
60) 4-Bromofluorobenzene	12.847	95	94690	30.278	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery =	100.933%		
63) Toluene-d8	10.565	98	261291	28.714	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery =	95.700%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.153	85	38505	15.362	ug/l	95
3) Chloromethane	2.395	50	33423	13.055	ug/l	99
4) Vinyl Chloride	2.553	62	39425	14.169	ug/l	93
5) Bromomethane	3.000	94	37098	25.123	ug/l	90
6) Chloroethane	3.153	64	33021	22.124	ug/l	97
7) Trichlorofluoromethane	3.524	101	65506	19.194	ug/l	99
8) Diethyl Ether	3.989	74	24312	14.499	ug/l	90
9) 1,1,2-Trichlorotrifluo...	4.400	101	42309m	16.721	ug/l	
10) 1,1-Dichloroethene	4.365	96	38206	15.147	ug/l	98
11) Methyl Iodide	4.612	142	42303	18.721	ug/l	97
12) Methyl Acetate	5.053	43	56084	14.175	ug/l	100
13) Acrolein	4.200	56	66741	109.781	ug/l	95
14) Acrylonitrile	5.730	53	129512	70.179	ug/l	100
15) Acetone	4.442	58	48976	90.980	ug/l	90
16) Carbon Disulfide	4.742	76	101596	13.776	ug/l	98
17) Allyl chloride	5.047	41	49623	11.928	ug/l	91
18) Methylene Chloride	5.306	84	48180	16.488	ug/l	87
19) trans-1,2-Dichloroethene	5.806	96	43998	15.951	ug/l	86
20) Diisopropyl ether	6.683	45	116442	13.192	ug/l	93
21) 1,1-Dichloroethane	6.588	63	78738	14.926	ug/l	96
22) cis-1,2-Dichloroethene	7.500	96	53553	16.681	ug/l	89
23) tert-Butyl Alcohol	5.536	59	50438	72.674	ug/l #	100
24) Methyl tert-Butyl Ether	5.812	73	142236	16.078	ug/l	99
25) Chloroform	7.977	83	91456	18.096	ug/l	99
26) Cyclohexane	8.265	56	55255	12.601	ug/l #	84
29) 1,1-Dichloropropene	8.382	75	55970	17.371	ug/l	98
30) 2-Butanone	7.488	43	176767	81.328	ug/l	93
31) 2,2-Dichloropropane	7.494	77	77233	19.857	ug/l	97
32) 1,1,1-Trichloroethane	8.177	97	77788	20.665	ug/l	98
33) Carbon Tetrachloride	8.371	117	67452	21.293	ug/l	96
34) Benzene	8.612	78	178133	17.451	ug/l	98
35) Methacrylonitrile	7.788	41	34427	15.717	ug/l	85
36) 1,2-Dichloroethane	8.677	62	65356	19.816	ug/l	99
37) Trichloroethene	9.353	130	45403	19.283	ug/l	92
38) Methylcyclohexane	9.600	83	57702	15.608	ug/l	94
39) 1,2-Dichloropropane	9.624	63	43354	16.921	ug/l	97
40) Dibromomethane	9.712	93	37213	21.360	ug/l	98
41) Bromodichloromethane	9.894	83	72887	20.727	ug/l	96
42) Vinyl Acetate	6.618	43	533888	75.521	ug/l #	94

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	7.571	43	69788	17.786	ug/l	93
44) Isopropyl Acetate	8.694	43	102377	16.014	ug/l	95
45) 1,4-Dioxane	9.706	88	14911	344.807	ug/l #	76
46) Methyl methacrylate	9.682	41	42288	14.229	ug/l	90
47) n-amyl Acetate	12.541	43	64192m	16.424	ug/l	
48) t-1,3-Dichloropropene	10.835	75	71998	18.366	ug/l	96
49) cis-1,3-Dichloropropene	10.312	75	75792	18.187	ug/l	94
50) 1,1,2-Trichloroethane	11.018	97	50405	20.367	ug/l	93
51) Ethyl methacrylate	10.882	69	60493	16.060	ug/l	88
52) 1,3-Dichloropropane	11.159	76	79354	18.677	ug/l	100
53) Dibromochloromethane	11.359	129	57446	22.113	ug/l	99
54) 1,2-Dibromoethane	11.471	107	52665	20.627	ug/l	96
55) 2-Chloroethyl vinyl ether	10.159	63	171171	79.280	ug/l	95
56) Bromoform	12.576	173	38910	21.788	ug/l #	98
58) 4-Methyl-2-Pentanone	10.447	43	305007	74.861	ug/l	96
59) 2-Hexanone	11.206	43	178213	67.738	ug/l	97
61) Tetrachloroethene	11.106	164	37960	18.914	ug/l	94
62) Toluene	10.629	91	203216	17.754	ug/l	99
64) Chlorobenzene	11.888	112	140028	19.178	ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.959	131	48833	20.242	ug/l	98
66) Ethyl Benzene	11.965	91	215595	17.208	ug/l	96
67) m/p-Xylenes	12.070	106	177781	37.030	ug/l	94
68) o-Xylene	12.394	106	83384	18.205	ug/l	95
69) Styrene	12.412	104	144274	18.348	ug/l	98
70) Isopropylbenzene	12.694	105	209510	18.366	ug/l	98
71) 1,1,2,2-Tetrachloroethane	12.935	83	77841	18.958	ug/l	97
72) 1,2,3-Trichloropropane	12.994	75	76231m	21.529	ug/l	
73) Bromobenzene	12.976	156	57119	20.642	ug/l	83
74) n-propylbenzene	13.035	91	256386	18.397	ug/l	95
75) 2-Chlorotoluene	13.123	91	155373	18.454	ug/l	95
76) 1,3,5-Trimethylbenzene	13.170	105	176246	18.979	ug/l	97
77) t-1,4-Dichloro-2-butene	12.735	75	26042	16.581	ug/l	93
78) 4-Chlorotoluene	13.217	91	163977	19.016	ug/l	96
79) tert-butylbenzene	13.435	119	151329	19.386	ug/l	99
80) 1,2,4-Trimethylbenzene	13.476	105	180227	19.327	ug/l	100
81) sec-Butylbenzene	13.612	105	217106	19.132	ug/l	98
82) p-Isopropyltoluene	13.729	119	188117	19.920	ug/l	98
83) 1,3-Dichlorobenzene	13.729	146	114011	21.396	ug/l	98
84) 1,4-Dichlorobenzene	13.812	146	108762	20.281	ug/l	98
85) n-Butylbenzene	14.053	91	160463	18.624	ug/l	96
86) Hexachloroethane	14.329	117	37803	21.148	ug/l	97
87) 1,2-Dichlorobenzene	14.100	146	107855	21.467	ug/l	98
88) 1,2-Dibromo-3-Chloropr...	14.717	75	18334	19.830	ug/l	91
89) 1,2,4-Trichlorobenzene	15.835	180	56329	19.816	ug/l	99
90) Hexachlorobutadiene	15.494	225	15826	18.762	ug/l	97
91) Naphthalene	15.635	128	205505	18.369	ug/l	99
92) 1,2,3-Trichlorobenzene	15.835	180	56329	19.816	ug/l	99

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

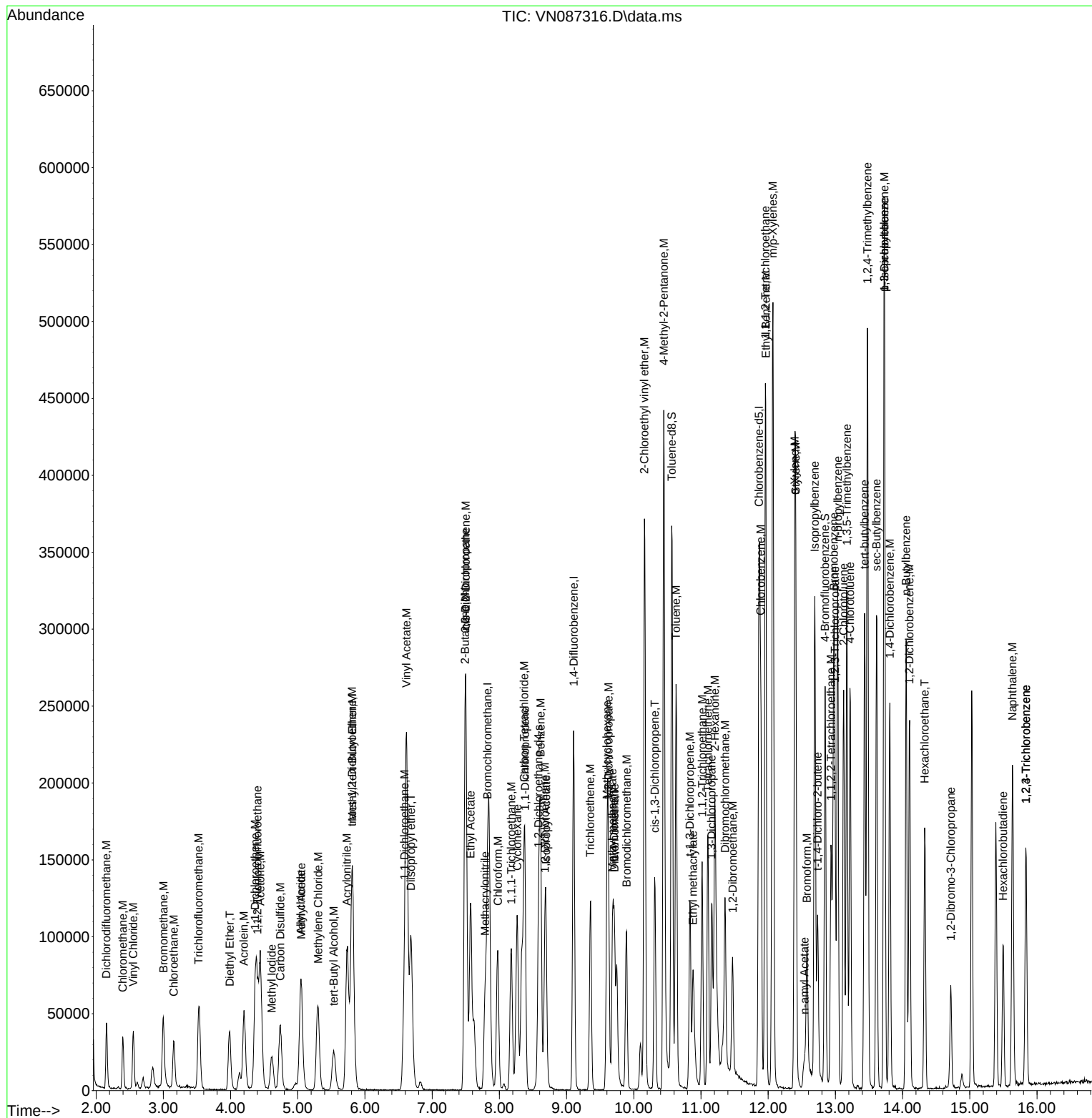
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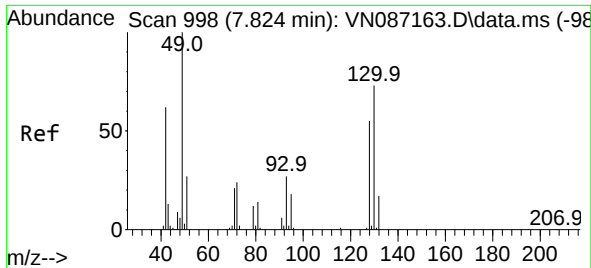
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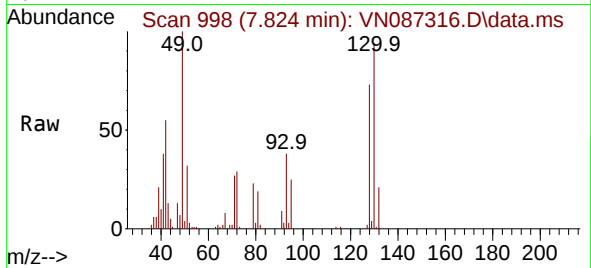
Reviewed By : John Carlone 07/11/2025
Supervised By : Mahesh Dadoda 07/14/2025





#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.824 min Scan# 998
Delta R.T. -0.000 min
Lab File: VN087316.D
Acq: 10 Jul 2025 10:41

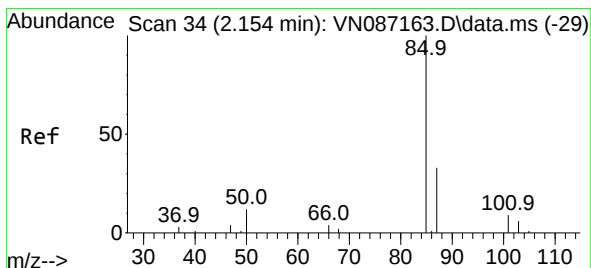
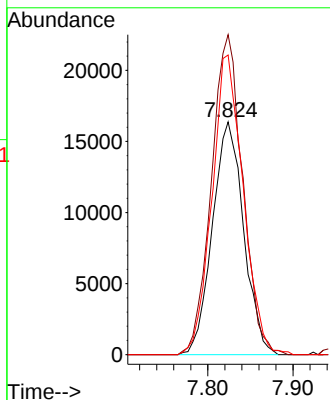
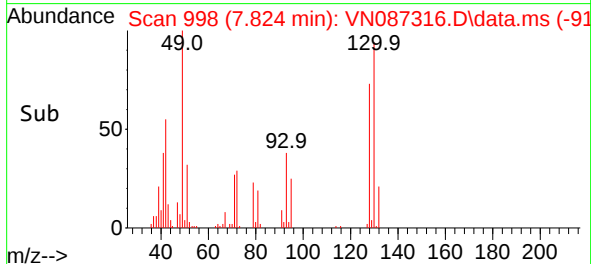
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020



Tgt Ion: 128 Resp: 41639
Ion Ratio Lower Upper
128 100
49 137.4 0.0 450.5
130 129.2 0.0 320.7

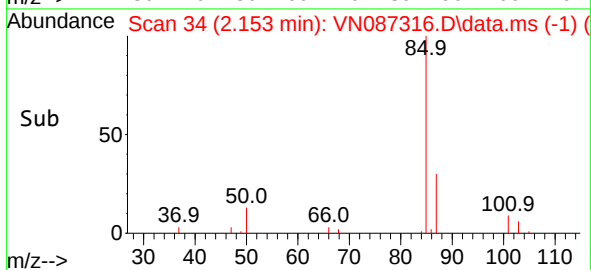
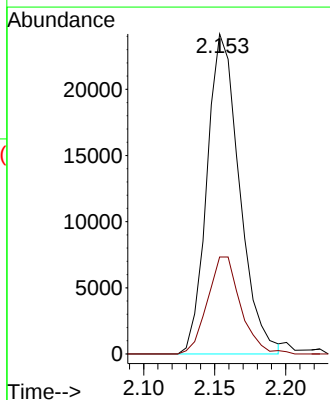
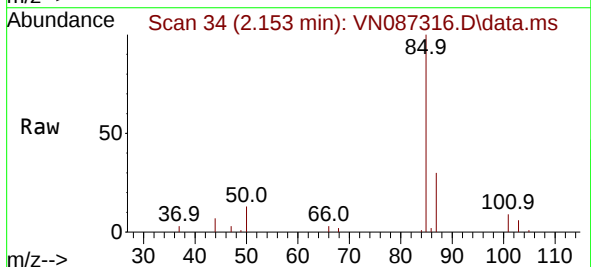
Manual Integrations
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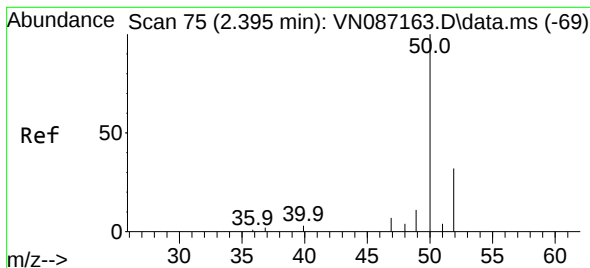
Reviewed By :John Carlone 07/11/2025
Supervised By :Mahesh Dadoda 07/14/2025



#2
Dichlorodifluoromethane
Concen: 15.362 ug/l
RT: 2.153 min Scan# 34
Delta R.T. -0.000 min
Lab File: VN087316.D
Acq: 10 Jul 2025 10:41

Tgt Ion: 85 Resp: 38505
Ion Ratio Lower Upper
85 100
87 30.3 16.7 50.0





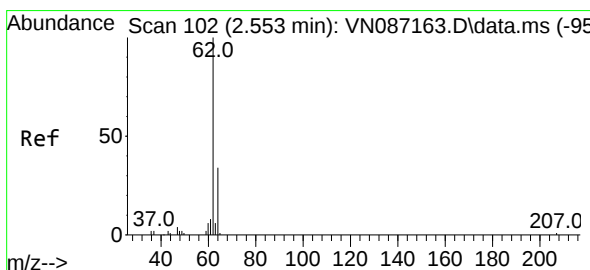
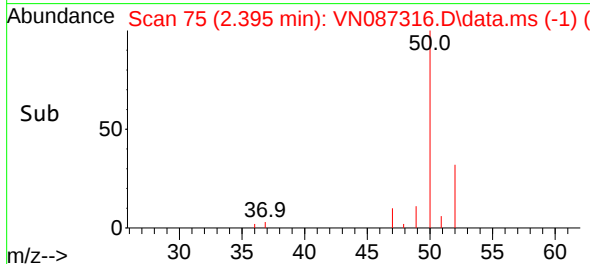
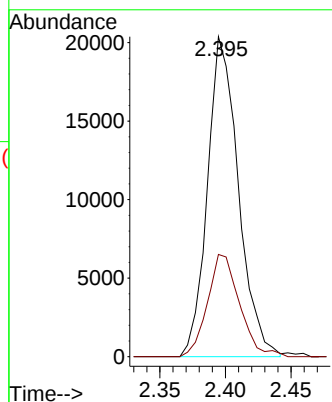
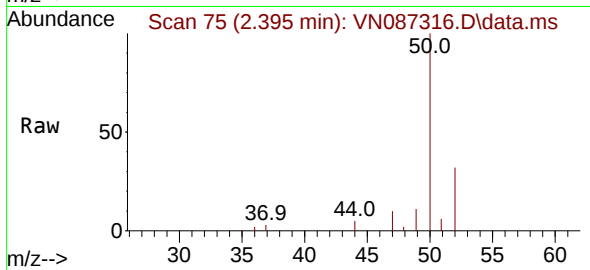
#3
Chloromethane
Concen: 13.055 ug/l
RT: 2.395 min Scan# 75
Delta R.T. 0.000 min
Lab File: VN087316.D
Acq: 10 Jul 2025 10:41

Instrument :
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Tgt Ion: 50 Resp: 3342
Ion Ratio Lower Upper
50 100
52 31.9 25.9 38.9

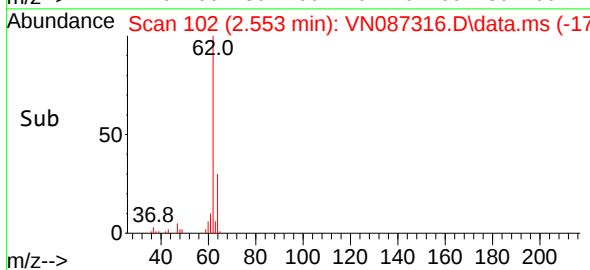
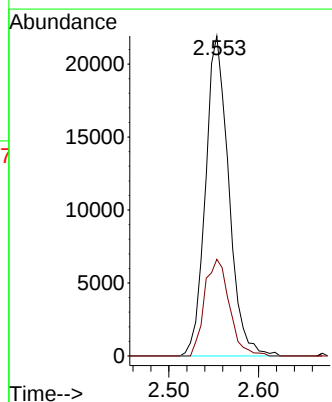
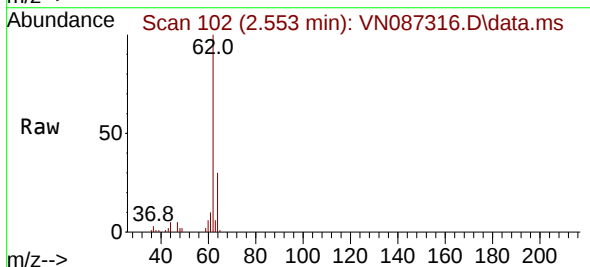
Manual Integrations
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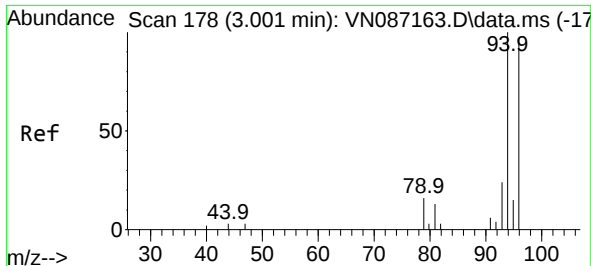
Reviewed By :John Carlone 07/11/2025
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#4
Vinyl Chloride
Concen: 14.169 ug/l
RT: 2.553 min Scan# 102
Delta R.T. -0.000 min
Lab File: VN087316.D
Acq: 10 Jul 2025 10:41

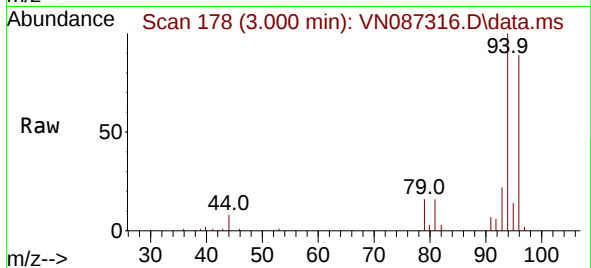
Tgt Ion: 62 Resp: 39425
Ion Ratio Lower Upper
62 100
64 30.2 27.4 41.2





#5
Bromomethane
Concen: 25.123 ug/l
RT: 3.000 min Scan# 178
Delta R.T. -0.000 min
Lab File: VN087316.D
Acq: 10 Jul 2025 10:41

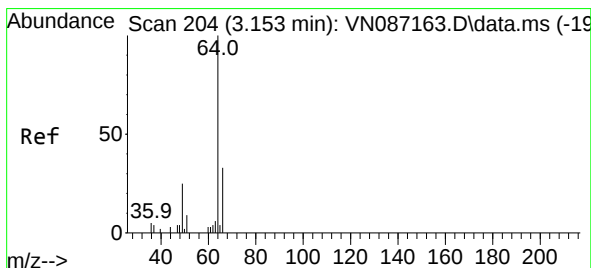
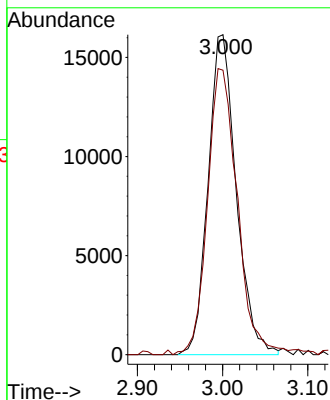
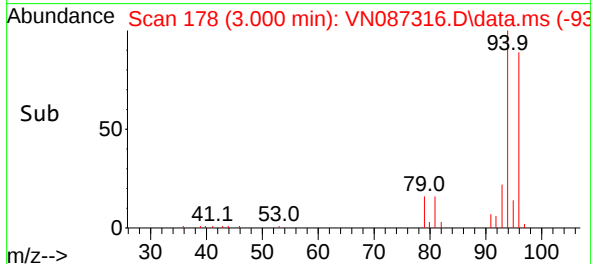
Instrument :
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ClientSampleId :
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Tgt Ion: 94 Resp: 37098
Ion Ratio Lower Upper
94 100
96 87.9 77.9 116.9

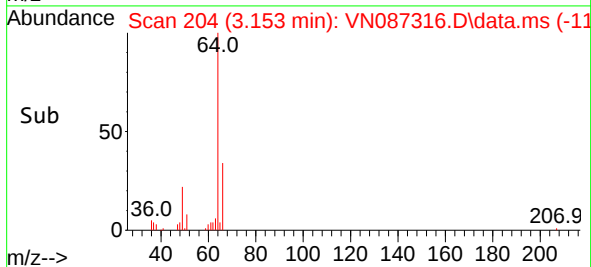
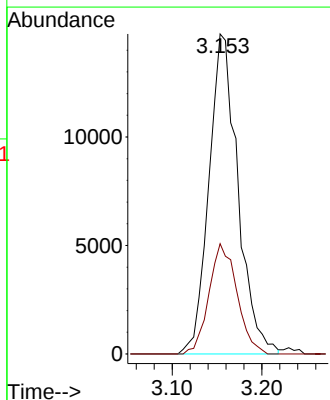
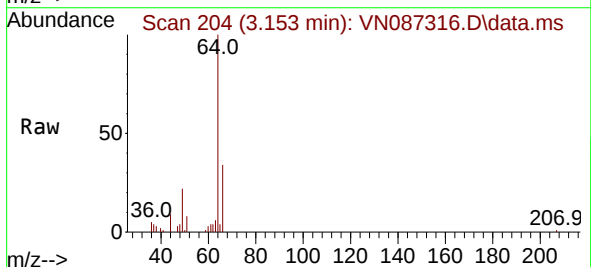
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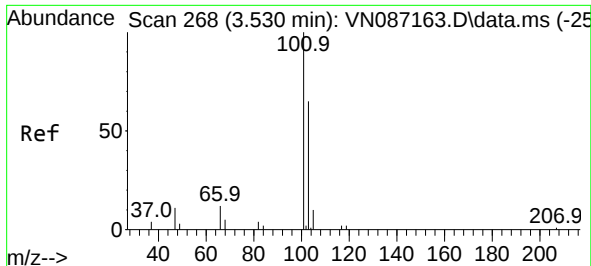
Reviewed By :John Carlone 07/11/2025
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#6
Chloroethane
Concen: 22.124 ug/l
RT: 3.153 min Scan# 204
Delta R.T. -0.000 min
Lab File: VN087316.D
Acq: 10 Jul 2025 10:41

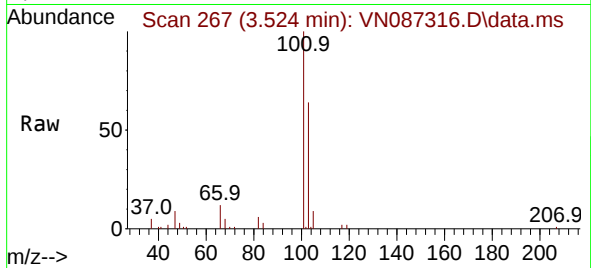
Tgt Ion: 64 Resp: 33021
Ion Ratio Lower Upper
64 100
66 34.4 26.4 39.6





#7
Trichlorofluoromethane
Concen: 19.194 ug/l
RT: 3.524 min Scan# 20
Delta R.T. -0.006 min
Lab File: VN087316.D
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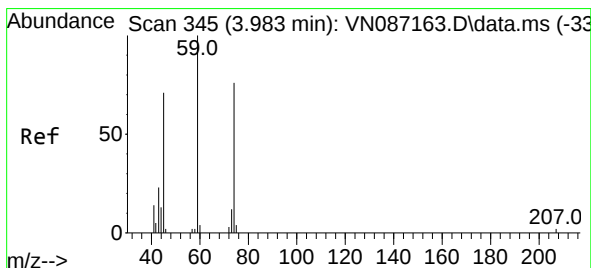
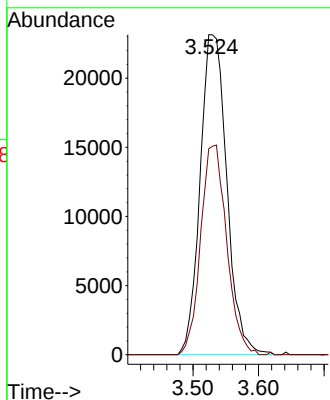
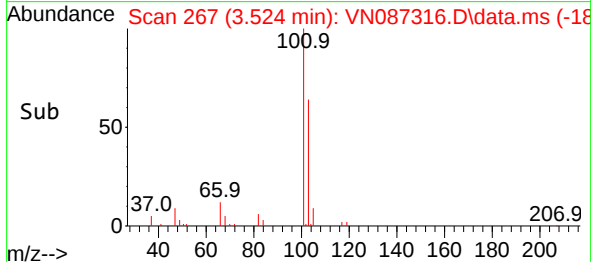
Instrument :
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ClientSampleId :
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Tgt Ion:101 Resp: 65500
Ion Ratio Lower Upper
101 100
103 64.4 51.8 77.8

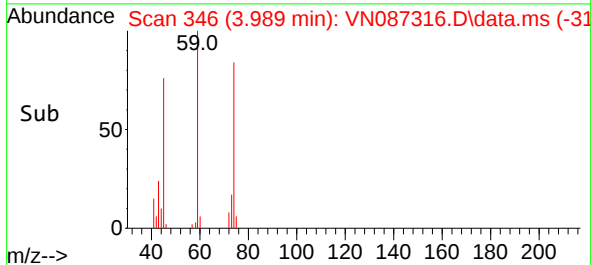
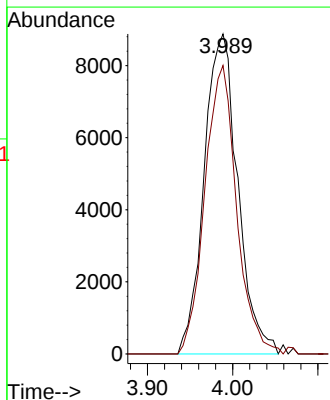
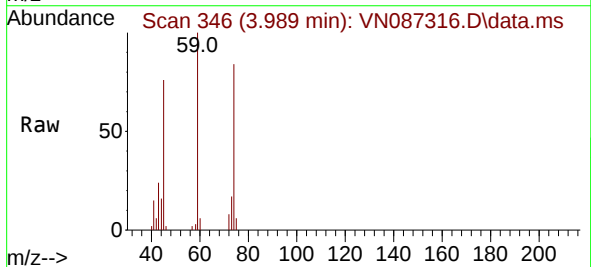
Manual Integrations
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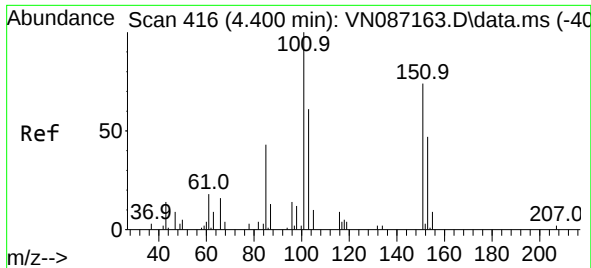
Reviewed By :John Carlone 07/11/2025
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#8
Diethyl Ether
Concen: 14.499 ug/l
RT: 3.989 min Scan# 346
Delta R.T. 0.006 min
Lab File: VN087316.D
Acq: 10 Jul 2025 10:41

Tgt Ion: 74 Resp: 24312
Ion Ratio Lower Upper
74 100
45 85.2 19.0 171.0





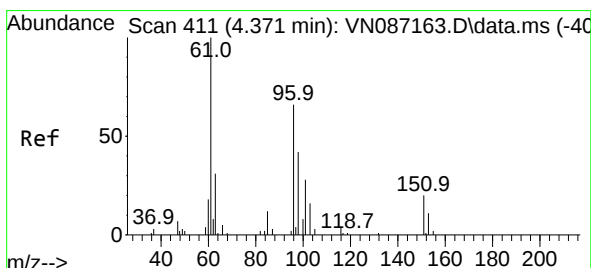
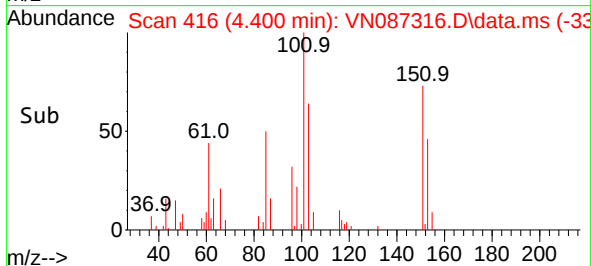
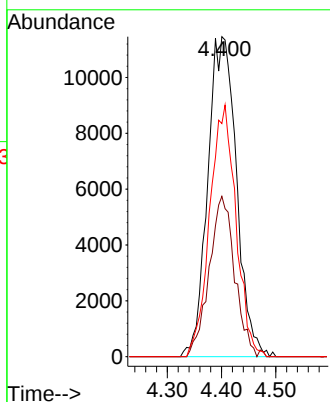
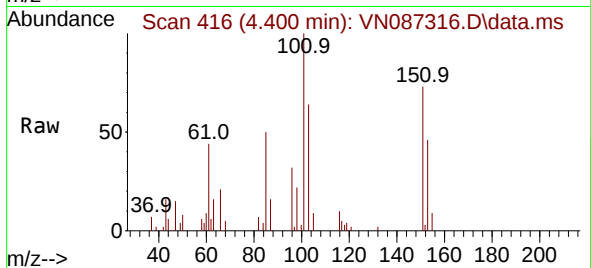
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 16.721 ug/l m
 RT: 4.400 min Scan# 416
 Delta R.T. 0.000 min
 Lab File: VN087316.D
 Acq: 10 Jul 2025 10:41

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Tgt Ion:101 Resp: 42309
 Ion Ratio Lower Upper
 101 100
 85 44.3 0.0 40.6
 151 71.7 0.0 141.2

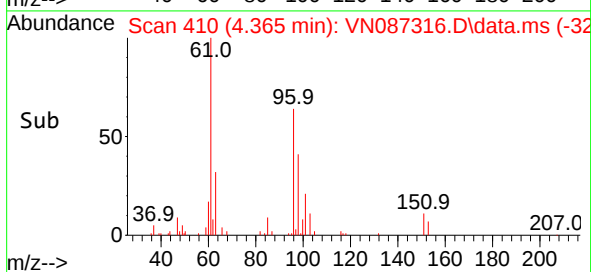
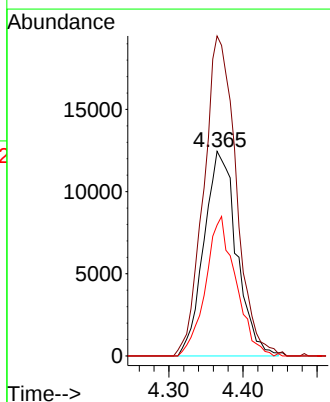
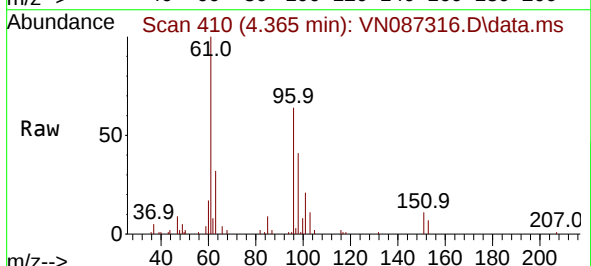
Manual Integrations
 APPROVED

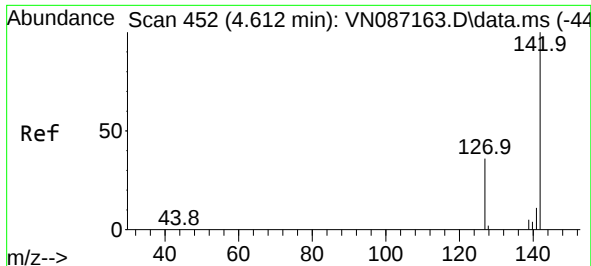
Reviewed By :John Carlone 07/11/2025
 Supervised By :Mahesh Dadoda 07/14/2025



#10
 1,1-Dichloroethene
 Concen: 15.147 ug/l
 RT: 4.365 min Scan# 410
 Delta R.T. -0.006 min
 Lab File: VN087316.D
 Acq: 10 Jul 2025 10:41

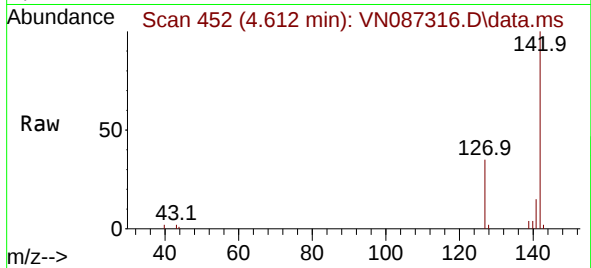
Tgt Ion: 96 Resp: 38206
 Ion Ratio Lower Upper
 96 100
 61 155.1 122.0 183.0
 98 64.0 50.3 75.5





#11
Methyl Iodide
Concen: 18.721 ug/l
RT: 4.612 min Scan# 411
Delta R.T. -0.000 min
Lab File: VN087316.D
Acq: 10 Jul 2025 10:41

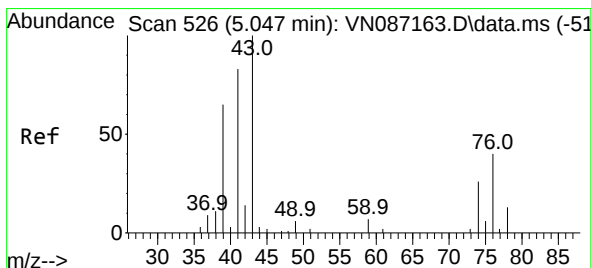
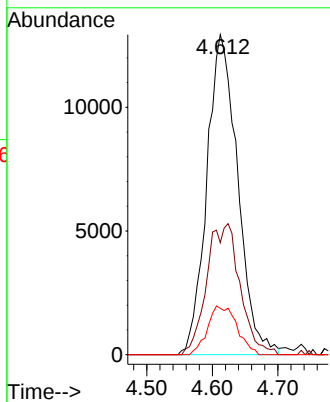
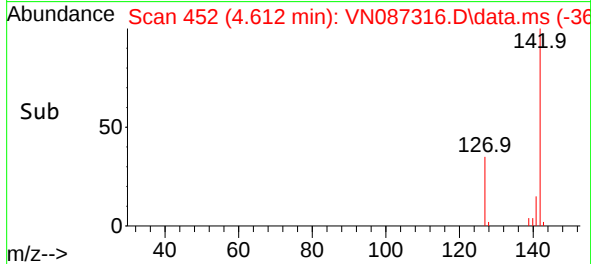
Instrument :
MSVOA_N
Client Sample Id :
VSTDCCC020



Tgt Ion:142 Resp: 4230
Ion Ratio Lower Upper
142 100
127 35.4 18.1 54.1
141 14.6 5.7 17.1

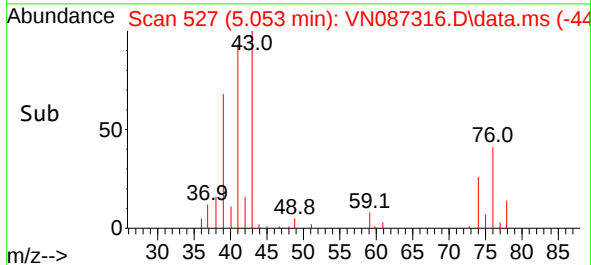
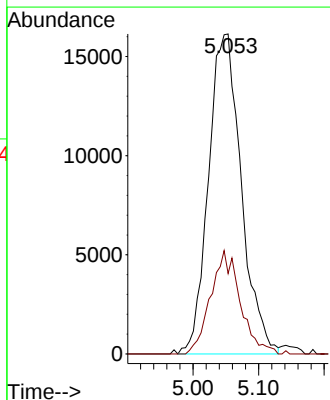
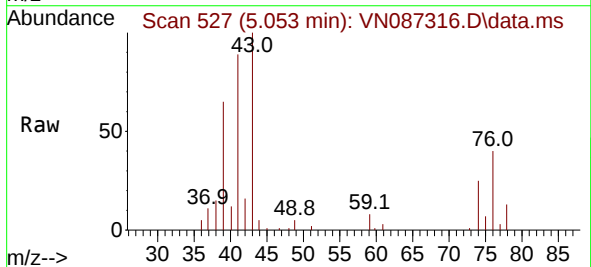
Manual Integrations
APPROVED

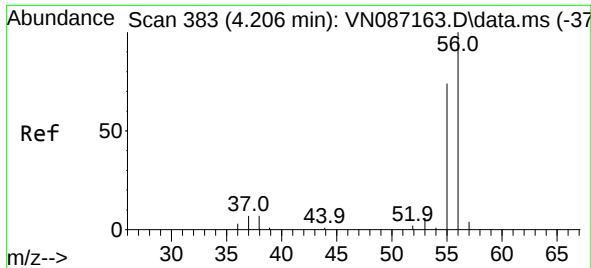
Reviewed By :John Carlone 07/11/2025
Supervised By :Mahesh Dadoda 07/14/2025



#12
Methyl Acetate
Concen: 14.175 ug/l
RT: 5.053 min Scan# 527
Delta R.T. 0.006 min
Lab File: VN087316.D
Acq: 10 Jul 2025 10:41

Tgt Ion: 43 Resp: 56084
Ion Ratio Lower Upper
43 100
74 25.4 20.3 30.5





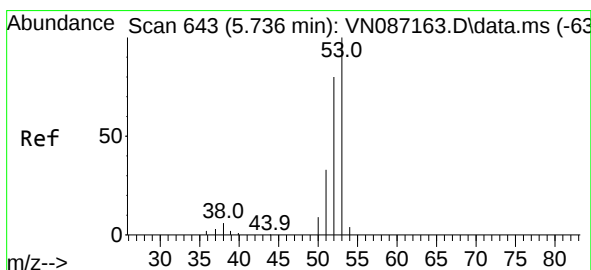
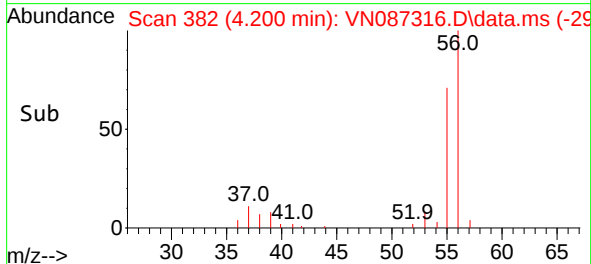
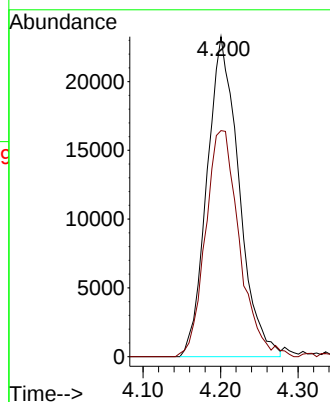
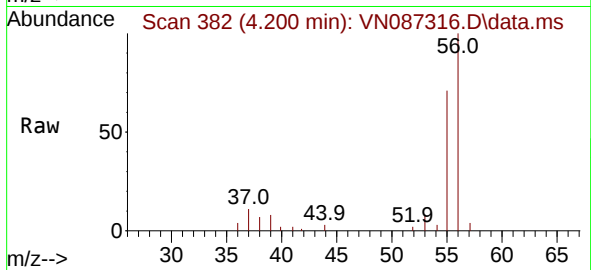
#13
Acrolein
Concen: 109.781 ug/l
RT: 4.200 min Scan# 383
Delta R.T. -0.006 min
Lab File: VN087316.D
Acq: 10 Jul 2025 10:41

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tgt Ion: 56 Resp: 6674
Ion Ratio Lower Upper
56 100
55 73.8 55.7 83.5

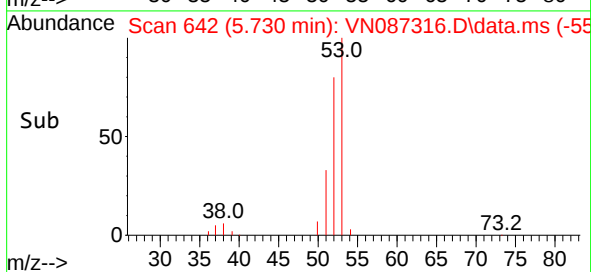
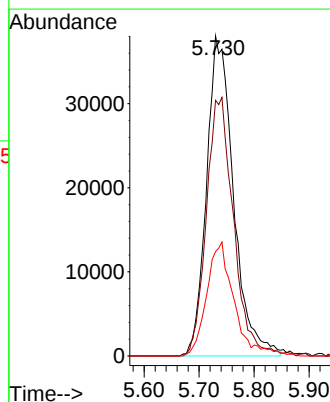
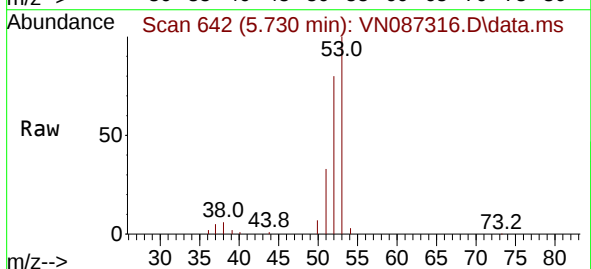
Manual Integrations
APPROVED

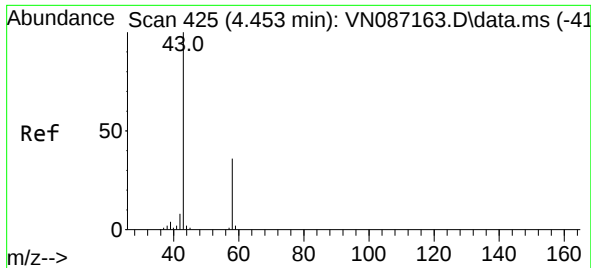
Reviewed By :John Carlone 07/11/2025
Supervised By :Mahesh Dadoda 07/14/2025



#14
Acrylonitrile
Concen: 70.179 ug/l
RT: 5.730 min Scan# 642
Delta R.T. -0.006 min
Lab File: VN087316.D
Acq: 10 Jul 2025 10:41

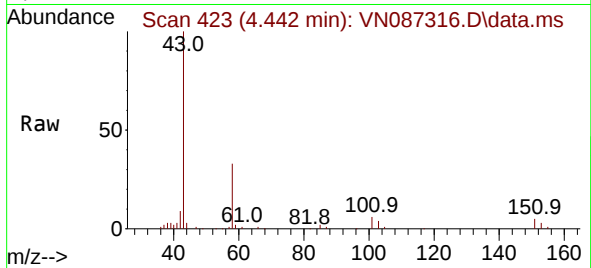
Tgt Ion: 53 Resp: 129512
Ion Ratio Lower Upper
53 100
52 80.6 40.5 121.5
51 33.7 16.9 50.7





#15
Acetone
Concen: 90.980 ug/l
RT: 4.442 min Scan# 41
Delta R.T. -0.012 min
Lab File: VN087316.D
Acq: 10 Jul 2025 10:41

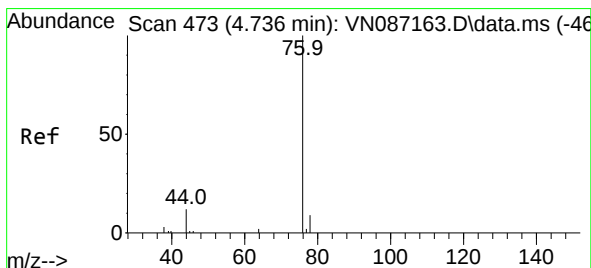
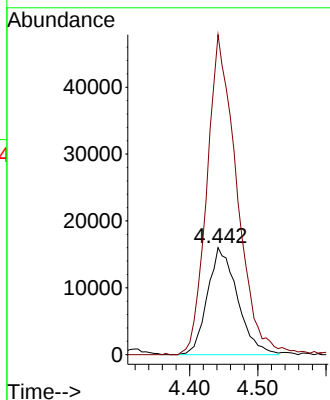
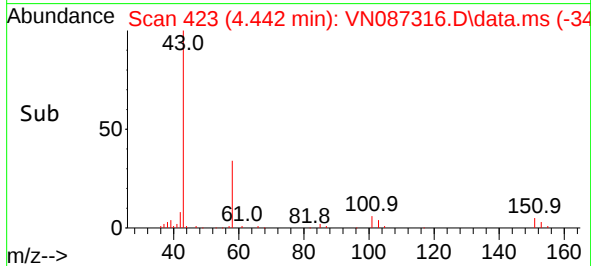
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020



Tgt Ion: 58 Resp: 48970
Ion Ratio Lower Upper
58 100
43 299.1 224.3 336.5

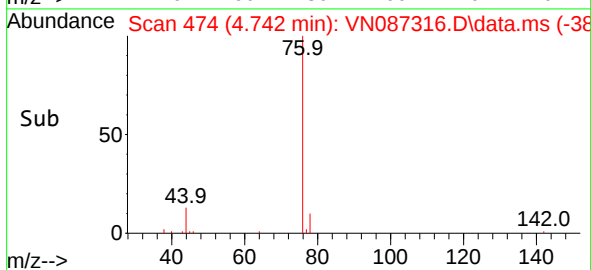
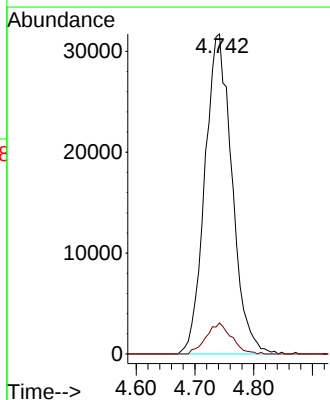
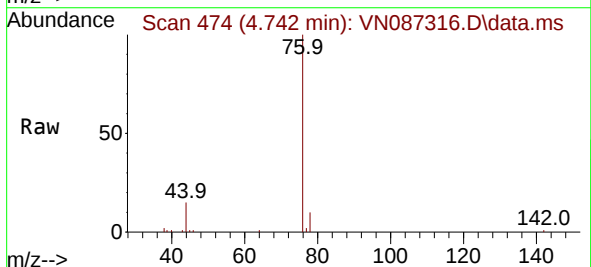
Manual Integrations
APPROVED

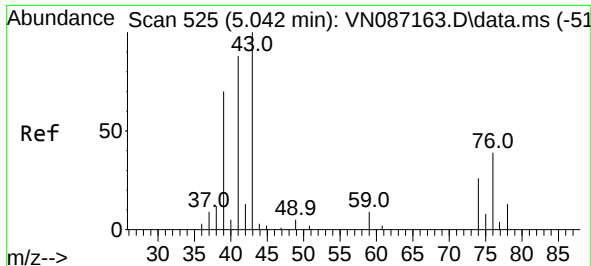
Reviewed By :John Carlone 07/11/2025
Supervised By :Mahesh Dadoda 07/14/2025



#16
Carbon Disulfide
Concen: 13.776 ug/l
RT: 4.742 min Scan# 474
Delta R.T. 0.006 min
Lab File: VN087316.D
Acq: 10 Jul 2025 10:41

Tgt Ion: 76 Resp: 101596
Ion Ratio Lower Upper
76 100
78 9.7 7.2 10.8





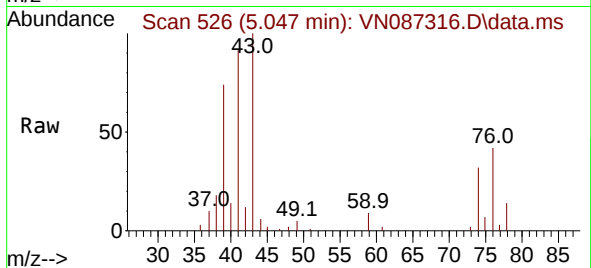
#17
 Allyl chloride
 Concen: 11.928 ug/l
 RT: 5.047 min Scan# 51
 Delta R.T. 0.006 min
 Lab File: VN087316.D
 Acq: 10 Jul 2025 10:41

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020



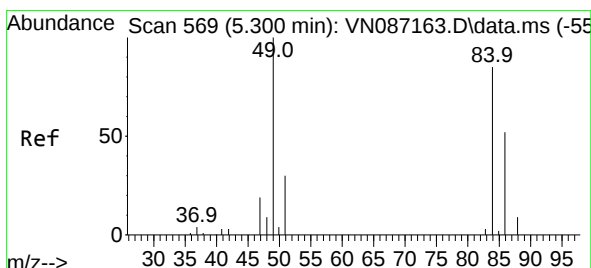
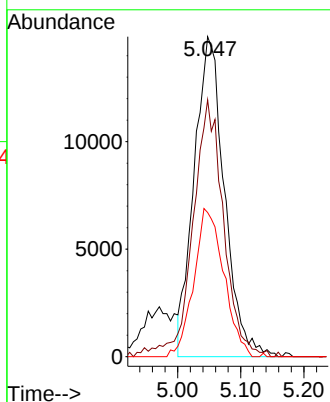
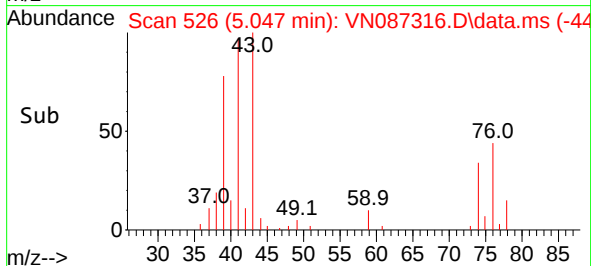
Tgt Ion: 41 Resp: 4962
 Ion Ratio Lower Upper
 41 100
 39 78.9 36.0 108.0
 76 45.0 19.5 58.5

Manual Integrations

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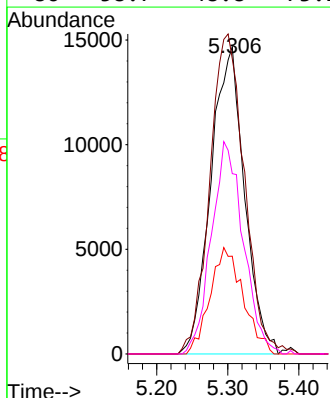
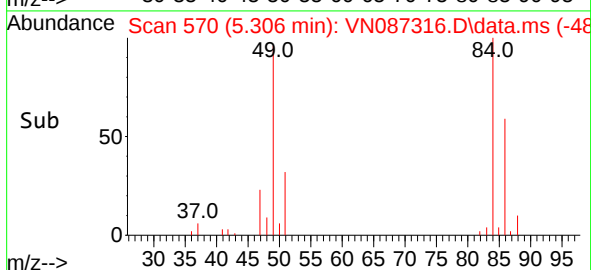
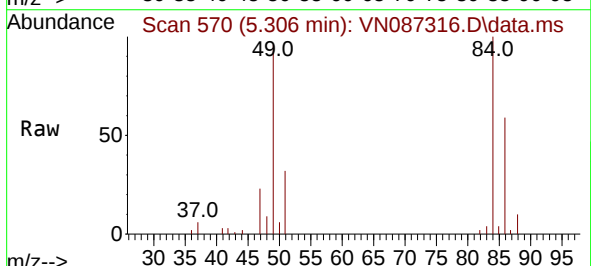
Reviewed By :John Carlone 07/11/2025

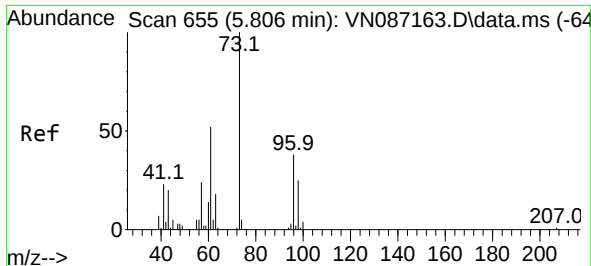
Supervised By :Mahesh Dadoda 07/14/2025



#18
 Methylene Chloride
 Concen: 16.488 ug/l
 RT: 5.306 min Scan# 570
 Delta R.T. 0.006 min
 Lab File: VN087316.D
 Acq: 10 Jul 2025 10:41

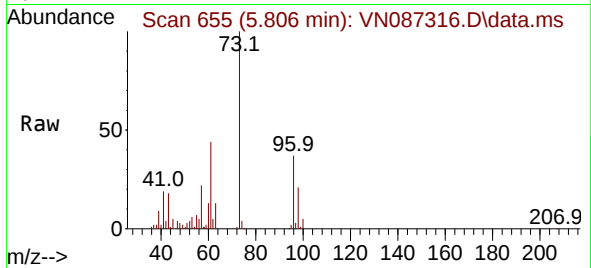
Tgt Ion: 84 Resp: 48180
 Ion Ratio Lower Upper
 84 100
 49 96.1 94.0 141.0
 51 31.9 28.3 42.5
 86 58.7 48.8 73.2





#19
trans-1,2-Dichloroethene
Concen: 15.951 ug/l
RT: 5.806 min Scan# 61
Delta R.T. -0.000 min
Lab File: VN087316.D
Acq: 10 Jul 2025 10:41

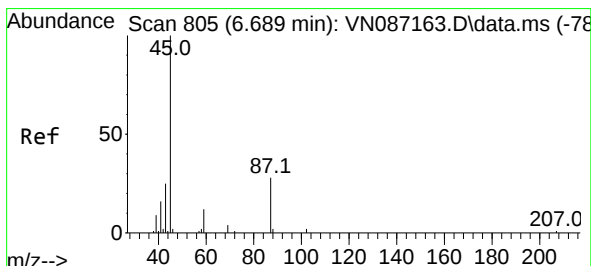
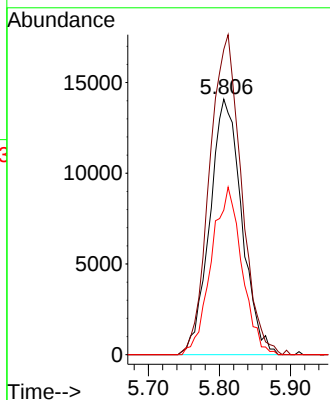
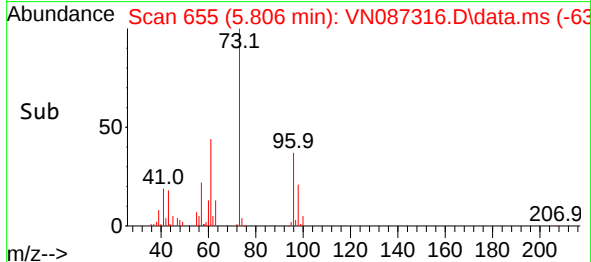
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020



Tgt Ion: 96 Resp: 43998
Ion Ratio Lower Upper
96 100
61 119.5 110.3 165.5
98 56.6 51.6 77.4

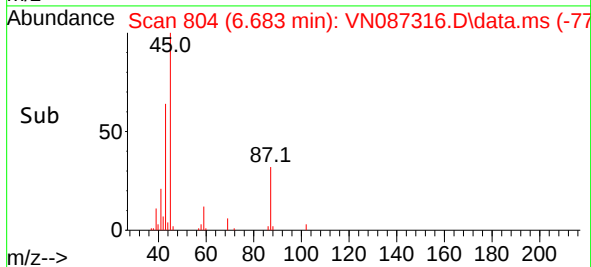
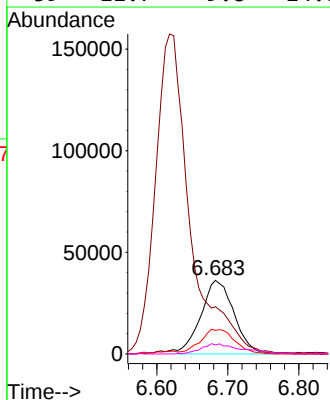
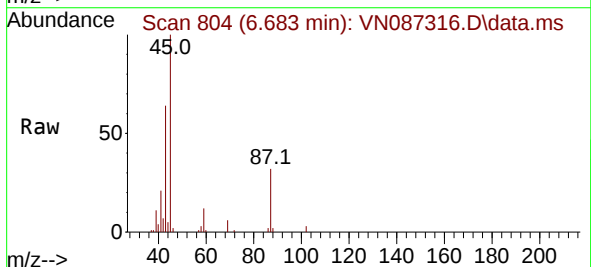
Manual Integrations
APPROVED

Reviewed By :John Carlone 07/11/2025
Supervised By :Mahesh Dadoda 07/14/2025



#20
Diisopropyl ether
Concen: 13.192 ug/l
RT: 6.683 min Scan# 804
Delta R.T. -0.006 min
Lab File: VN087316.D
Acq: 10 Jul 2025 10:41

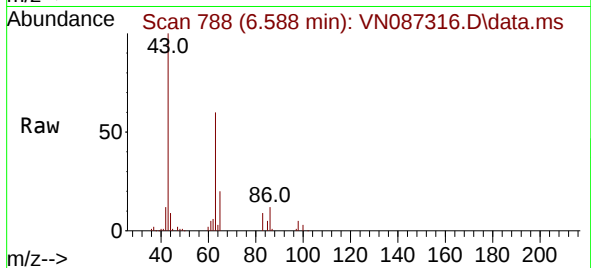
Tgt Ion: 45 Resp: 116442
Ion Ratio Lower Upper
45 100
43 62.8 45.3 67.9
87 32.4 22.6 33.8
59 11.7 9.8 14.8





#21
1,1-Dichloroethane
Concen: 14.926 ug/l
RT: 6.588 min Scan# 787
Delta R.T. 0.006 min
Lab File: VN087316.D
Acq: 10 Jul 2025 10:41

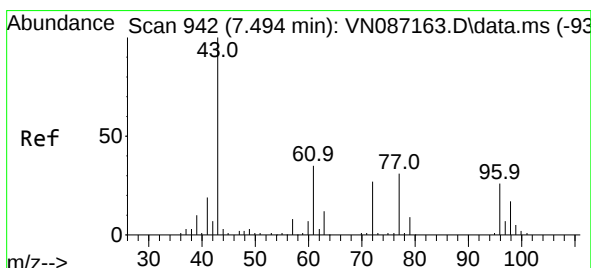
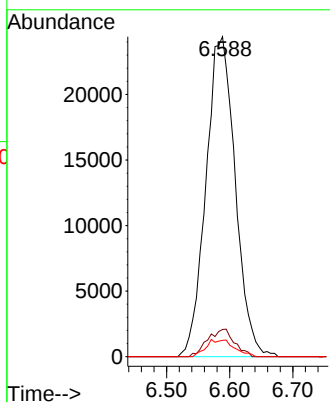
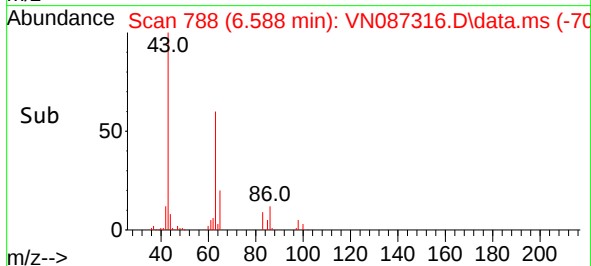
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020



Tgt Ion: 63 Resp: 78738
Ion Ratio Lower Upper
63 100
98 8.5 3.5 10.4
100 5.1 2.0 5.8

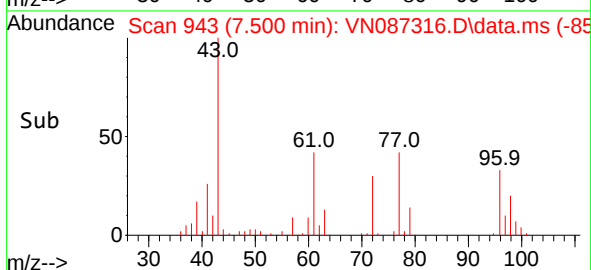
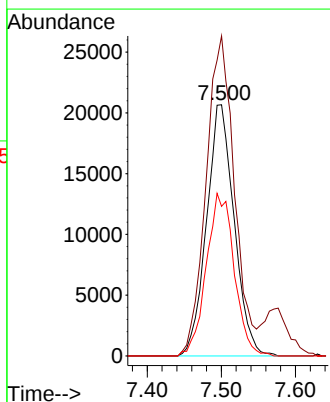
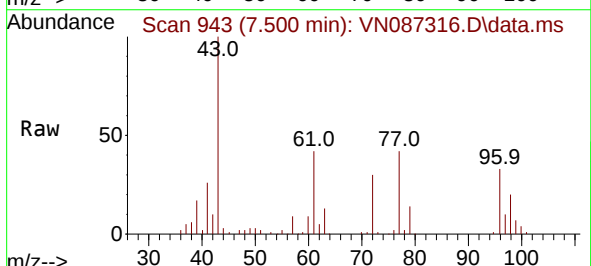
Manual Integrations
APPROVED

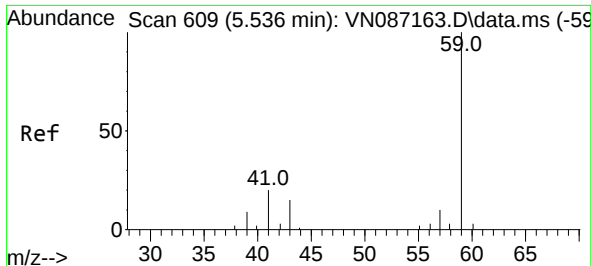
Reviewed By :John Carlone 07/11/2025
Supervised By :Mahesh Dadoda 07/14/2025



#22
cis-1,2-Dichloroethene
Concen: 16.681 ug/l
RT: 7.500 min Scan# 943
Delta R.T. 0.006 min
Lab File: VN087316.D
Acq: 10 Jul 2025 10:41

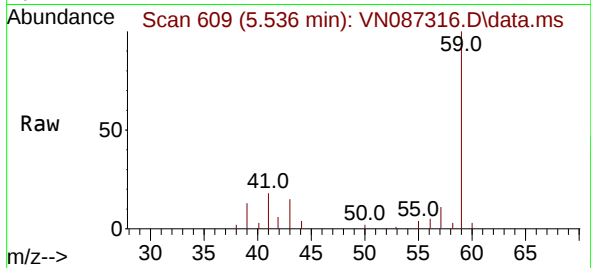
Tgt Ion: 96 Resp: 53553
Ion Ratio Lower Upper
96 100
61 130.8 119.2 178.8
98 65.3 50.6 75.8





#23
tert-Butyl Alcohol
Concen: 72.674 ug/l
RT: 5.536 min Scan# 609
Delta R.T. -0.000 min
Lab File: VN087316.D
Acq: 10 Jul 2025 10:41

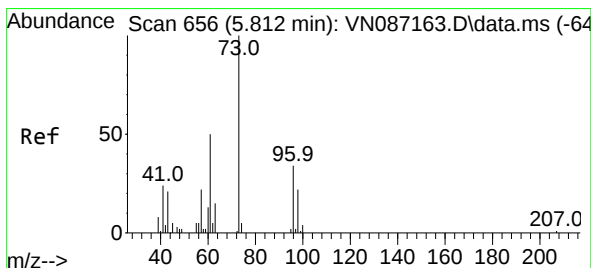
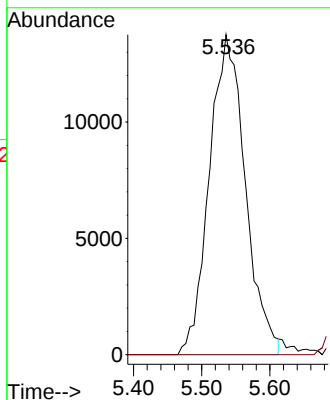
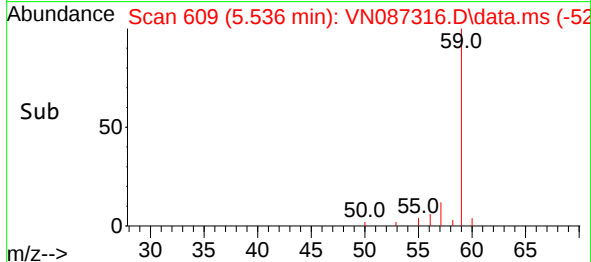
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020



Tgt Ion: 59 Resp: 50438
Ion Ratio Lower Upper
59 100
52 0.0 0.0 0.0

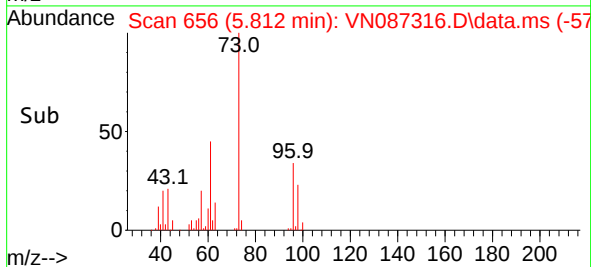
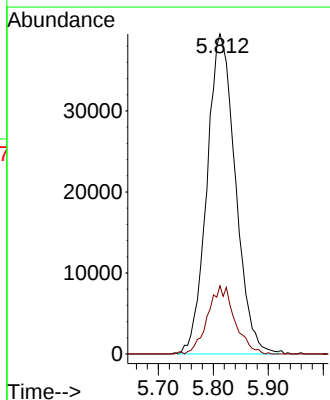
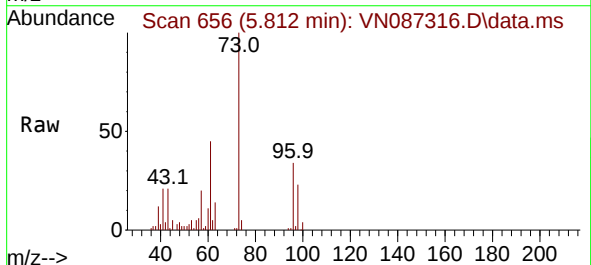
Manual Integrations
APPROVED

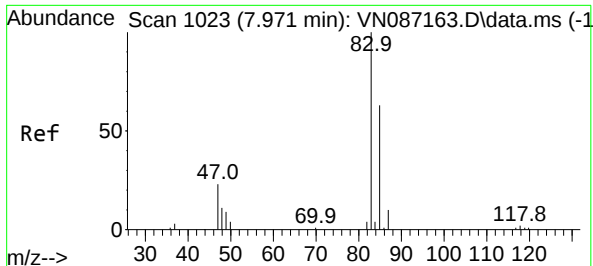
Reviewed By :John Carlone 07/11/2025
Supervised By :Mahesh Dadoda 07/14/2025



#24
Methyl tert-Butyl Ether
Concen: 16.078 ug/l
RT: 5.812 min Scan# 656
Delta R.T. -0.000 min
Lab File: VN087316.D
Acq: 10 Jul 2025 10:41

Tgt Ion: 73 Resp: 142236
Ion Ratio Lower Upper
73 100
43 20.1 16.4 24.6





#25

Chloroform

Concen: 18.096 ug/l

RT: 7.977 min Scan# 1024

Delta R.T. 0.006 min

Lab File: VN087316.D

Acq: 10 Jul 2025 10:41

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

Tgt Ion: 83 Resp: 91456

Ion Ratio Lower Upper

83 100

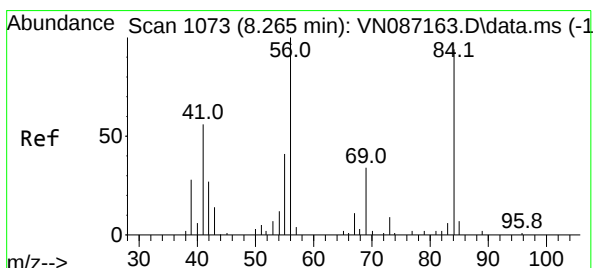
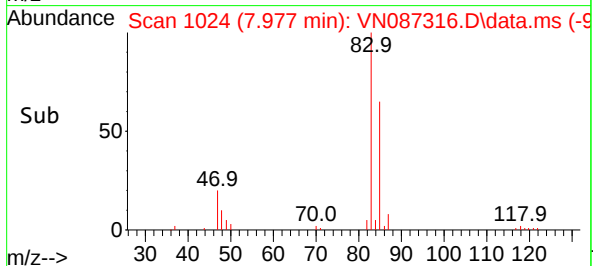
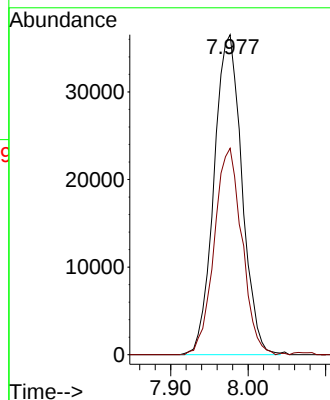
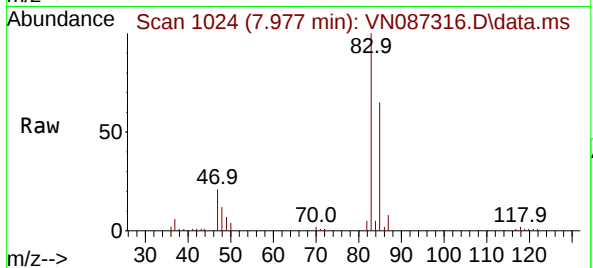
85 64.5 50.7 76.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/11/2025

Supervised By :Mahesh Dadoda 07/14/2025



#26

Cyclohexane

Concen: 12.601 ug/l

RT: 8.265 min Scan# 1073

Delta R.T. -0.000 min

Lab File: VN087316.D

Acq: 10 Jul 2025 10:41

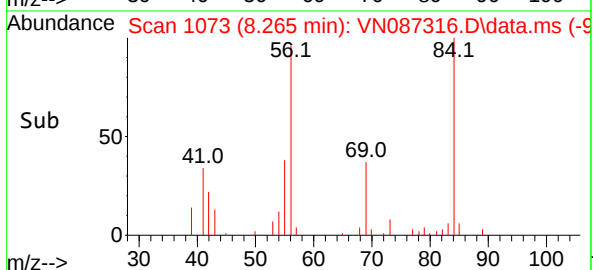
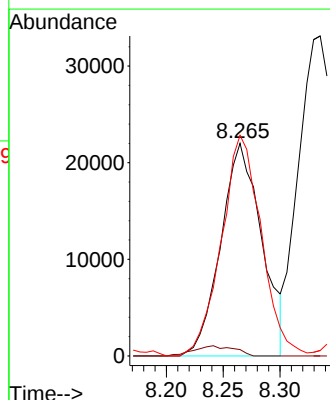
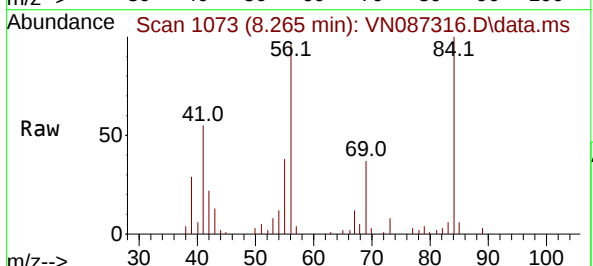
Tgt Ion: 56 Resp: 55255

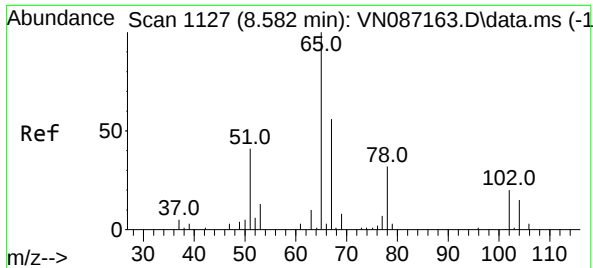
Ion Ratio Lower Upper

56 100

89 3.1 6.9 10.3#

84 100.9 69.1 103.7





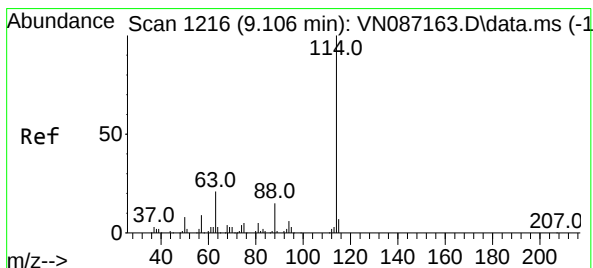
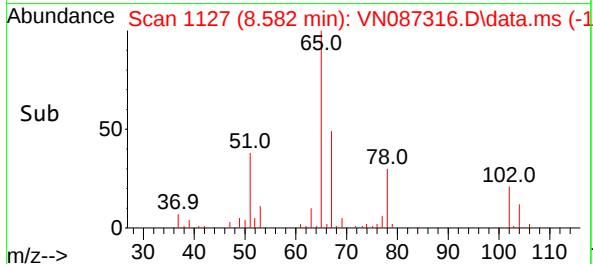
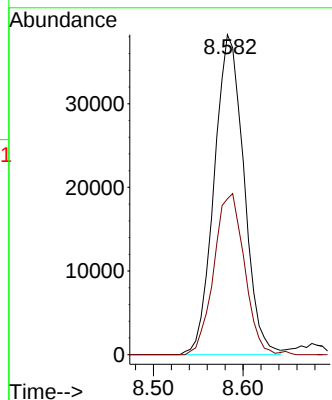
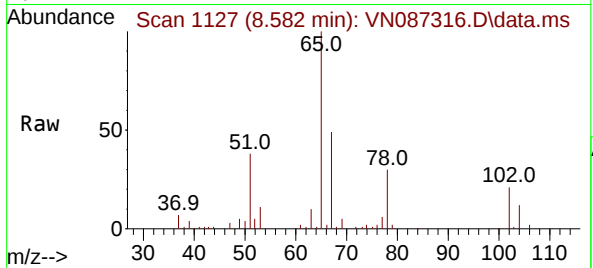
#27
1,2-Dichloroethane-d4
Concen: 28.037 ug/l
RT: 8.582 min Scan# 1127
Delta R.T. 0.000 min
Lab File: VN087316.D
Acq: 10 Jul 2025 10:41

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tgt Ion: 65 Resp: 87958
Ion Ratio Lower Upper
65 100
67 51.5 41.9 62.9

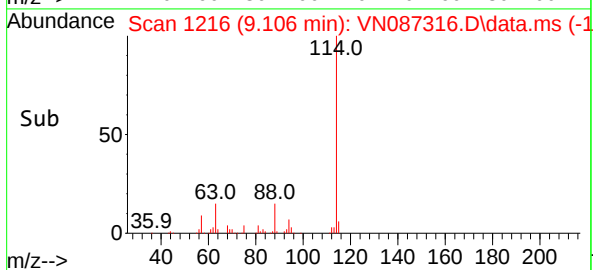
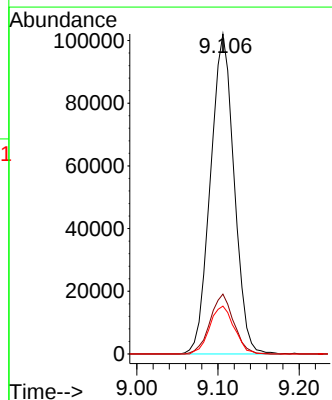
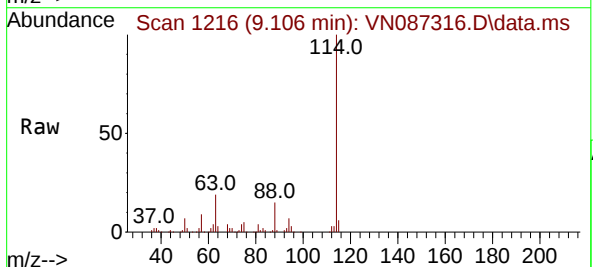
Manual Integrations
APPROVED

Reviewed By :John Carlone 07/11/2025
Supervised By :Mahesh Dadoda 07/14/2025



#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 9.106 min Scan# 1216
Delta R.T. -0.000 min
Lab File: VN087316.D
Acq: 10 Jul 2025 10:41

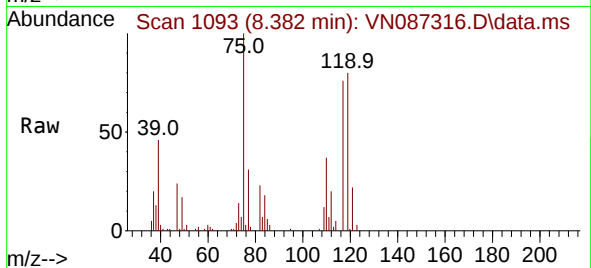
Tgt Ion:114 Resp: 206728
Ion Ratio Lower Upper
114 100
63 18.6 17.0 25.4
88 15.5 12.6 19.0





#29
1,1-Dichloropropene
Concen: 17.371 ug/l
RT: 8.382 min Scan# 1093
Delta R.T. 0.006 min
Lab File: VN087316.D
Acq: 10 Jul 2025 10:41

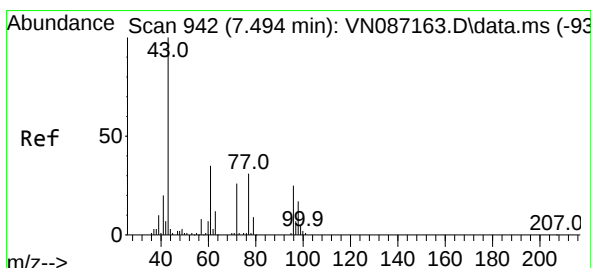
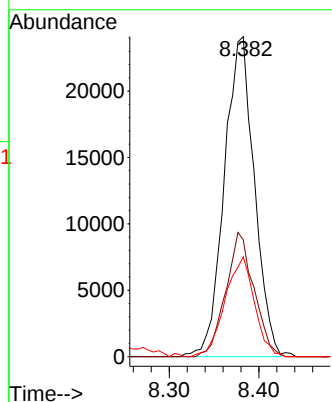
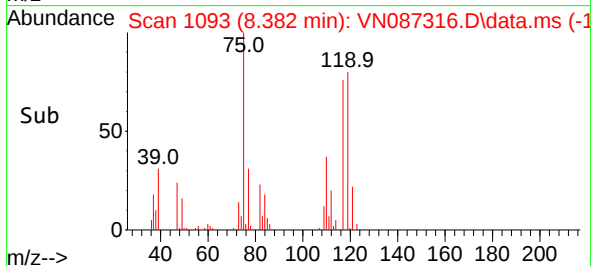
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020



Tgt Ion: 75 Resp: 55970
Ion Ratio Lower Upper
75 100
110 36.4 0.0 69.2
77 30.6 0.0 61.8

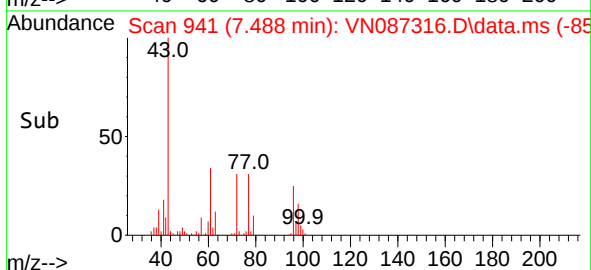
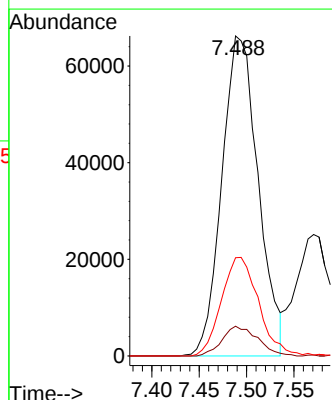
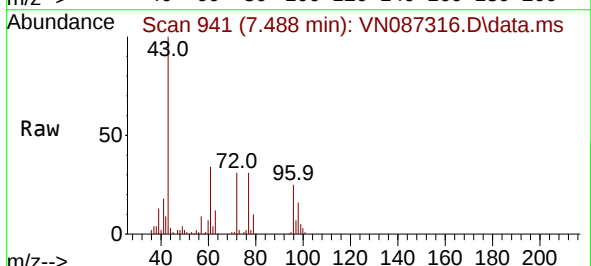
Manual Integrations
APPROVED

Reviewed By :John Carlone 07/11/2025
Supervised By :Mahesh Dadoda 07/14/2025



#30
2-Butanone
Concen: 81.328 ug/l
RT: 7.488 min Scan# 941
Delta R.T. -0.006 min
Lab File: VN087316.D
Acq: 10 Jul 2025 10:41

Tgt Ion: 43 Resp: 176767
Ion Ratio Lower Upper
43 100
57 9.1 6.3 9.5
72 31.6 21.8 32.6





#31

2,2-Dichloropropane

Concen: 19.857 ug/l

RT: 7.494 min Scan# 943

Delta R.T. -0.006 min

Lab File: VN087316.D

Acq: 10 Jul 2025 10:41

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

Tgt Ion: 77 Resp: 7723

Ion Ratio Lower Upper

77 100

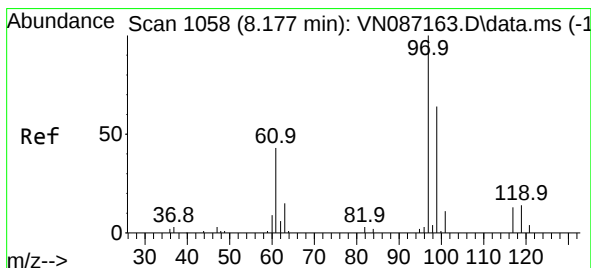
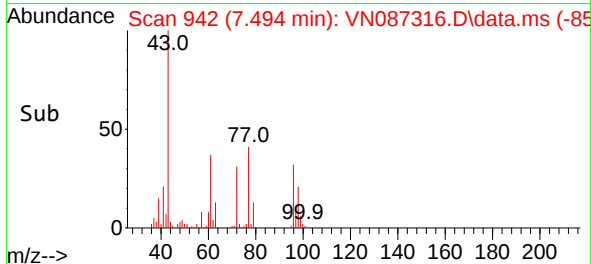
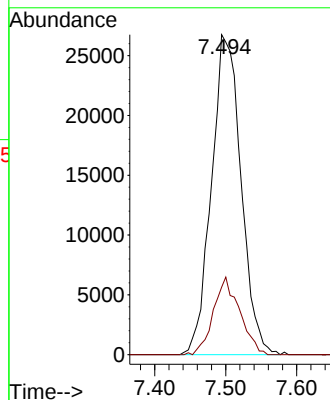
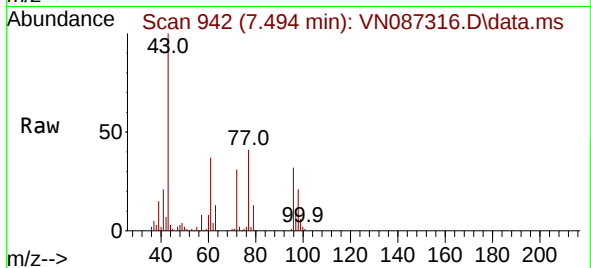
97 21.5 18.4 27.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/11/2025

Supervised By :Mahesh Dadoda 07/14/2025



#32

1,1,1-Trichloroethane

Concen: 20.665 ug/l

RT: 8.177 min Scan# 1058

Delta R.T. -0.000 min

Lab File: VN087316.D

Acq: 10 Jul 2025 10:41

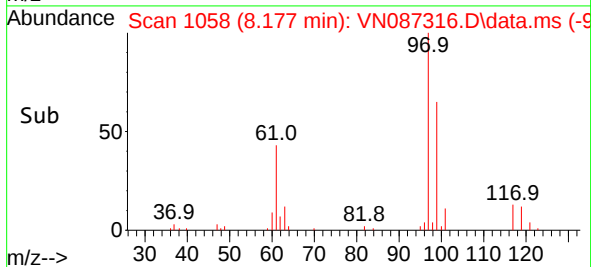
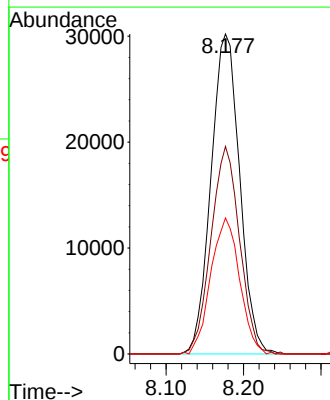
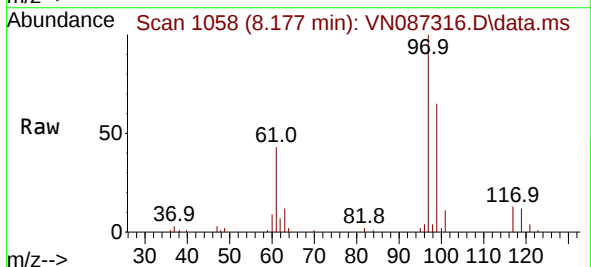
Tgt Ion: 97 Resp: 77788

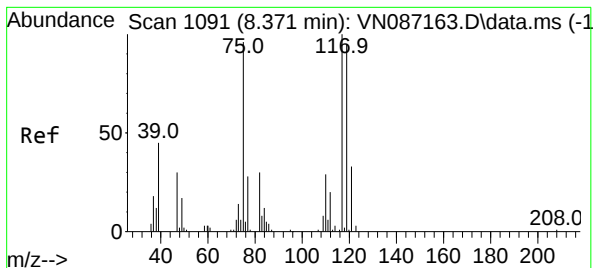
Ion Ratio Lower Upper

97 100

99 64.6 50.8 76.2

61 42.6 36.1 54.1





#33

Carbon Tetrachloride

Concen: 21.293 ug/l

RT: 8.371 min Scan# 1109

Delta R.T. -0.000 min

Lab File: VN087316.D

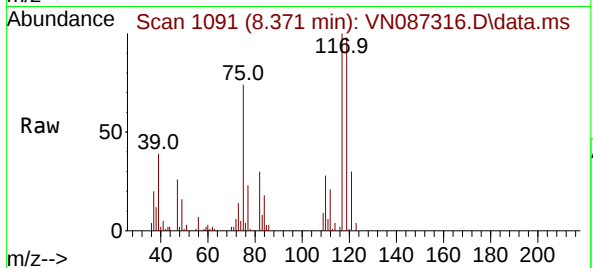
Acq: 10 Jul 2025 10:41

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020



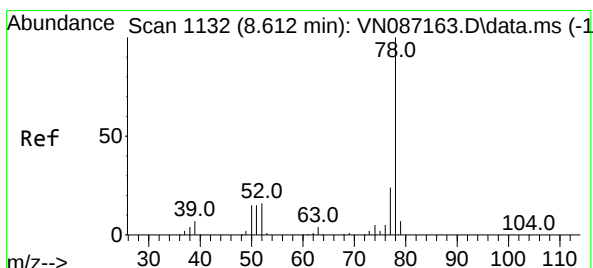
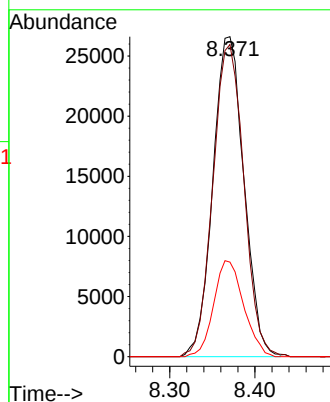
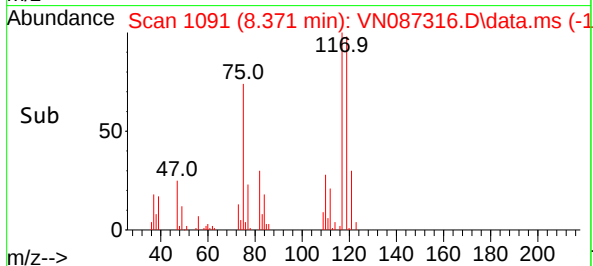
Tgt Ion:	117	Resp:	6745
Ion Ratio	Lower	Upper	
117	100		
119	97.5	75.8	113.6
121	29.6	26.2	39.4

Manual Integrations

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Reviewed By :John Carlone 07/11/2025

Supervised By :Mahesh Dadoda 07/14/2025



#34

Benzene

Concen: 17.451 ug/l

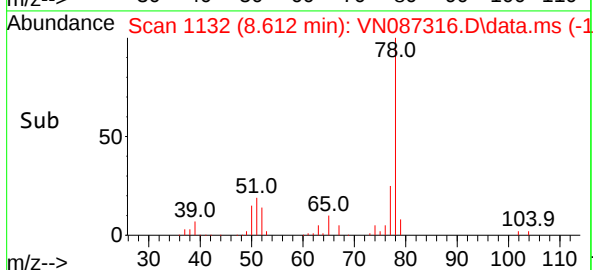
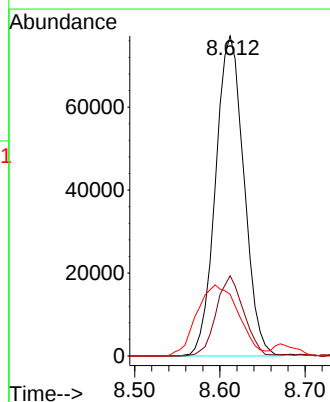
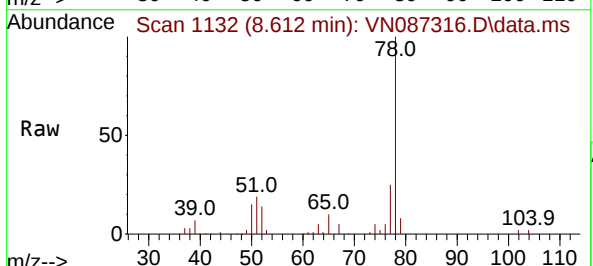
RT: 8.612 min Scan# 1132

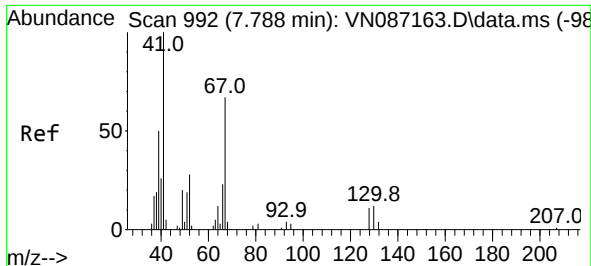
Delta R.T. -0.000 min

Lab File: VN087316.D

Acq: 10 Jul 2025 10:41

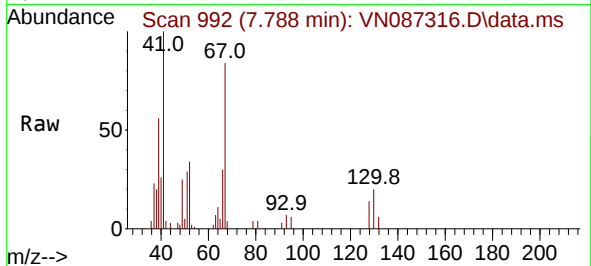
Tgt Ion:	78	Resp:	178133
Ion Ratio	Lower	Upper	
78	100		
77	25.1	19.5	29.3
51	17.3	14.8	22.2





#35
Methacrylonitrile
Concen: 15.717 ug/l
RT: 7.788 min Scan# 992
Delta R.T. 0.000 min
Lab File: VN087316.D
Acq: 10 Jul 2025 10:41

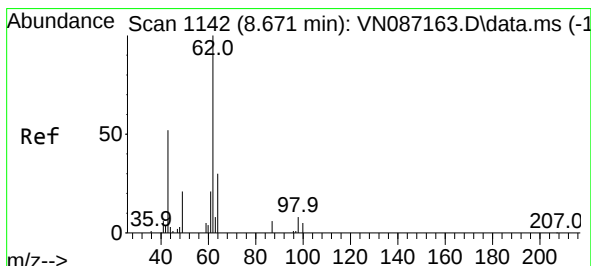
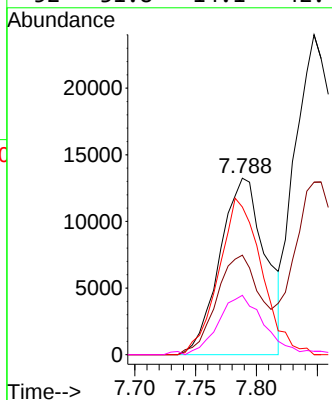
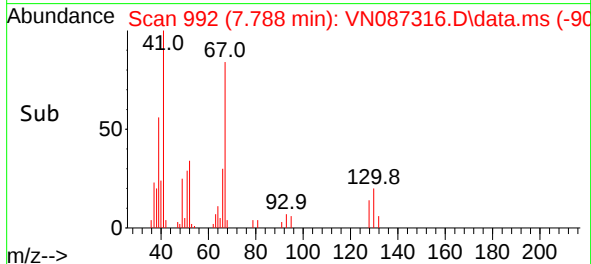
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020



Tgt Ion:	41	Resp:	3442
Ion Ratio	100	Lower	Upper
39	56.4	24.4	73.2
67	83.7	33.3	99.8
52	31.8	14.1	42.4

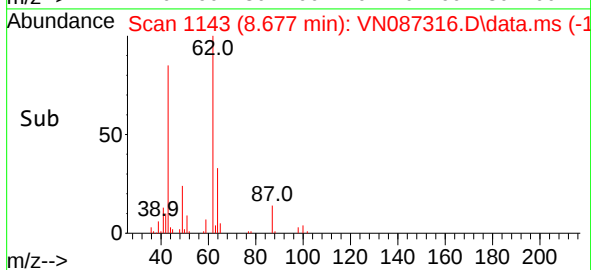
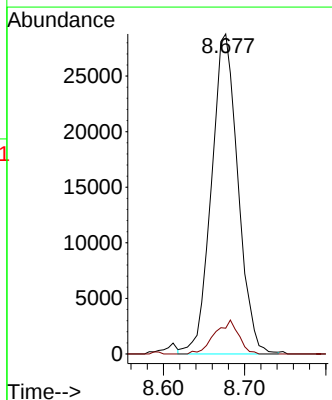
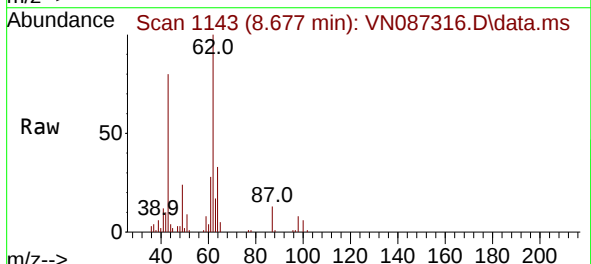
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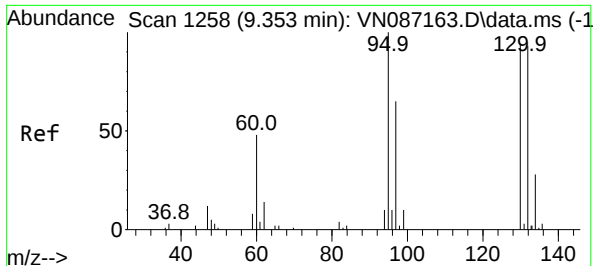
Reviewed By :John Carlone 07/11/2025
Supervised By :Mahesh Dadoda 07/14/2025



#36
1,2-Dichloroethane
Concen: 19.816 ug/l
RT: 8.677 min Scan# 1143
Delta R.T. 0.006 min
Lab File: VN087316.D
Acq: 10 Jul 2025 10:41

Tgt Ion:	62	Resp:	65356
Ion Ratio	100	Lower	Upper
98	9.5	7.2	10.8





#37

Trichloroethene

Concen: 19.283 ug/l

RT: 9.353 min Scan# 11

Delta R.T. -0.000 min

Lab File: VN087316.D

Acq: 10 Jul 2025 10:41

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

Tgt Ion:130 Resp: 4540

Ion Ratio Lower Upper

130 100

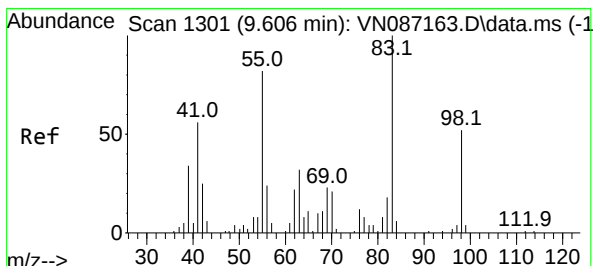
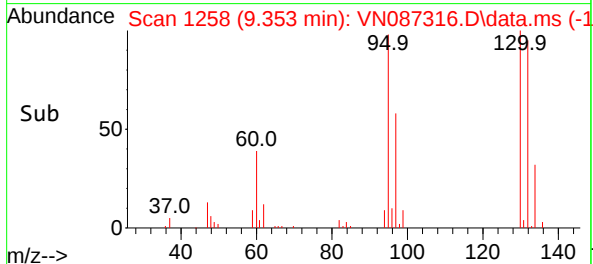
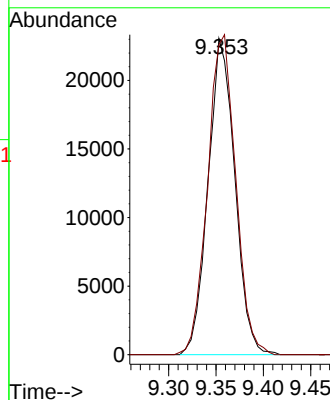
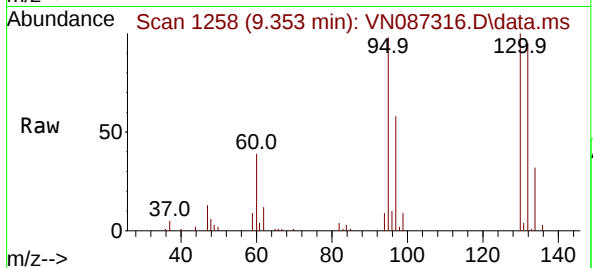
95 98.0 85.3 127.9

Manual Integrations

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Reviewed By :John Carlone 07/11/2025

Supervised By :Mahesh Dadoda 07/14/2025



#38

Methylcyclohexane

Concen: 15.608 ug/l

RT: 9.600 min Scan# 1300

Delta R.T. -0.006 min

Lab File: VN087316.D

Acq: 10 Jul 2025 10:41

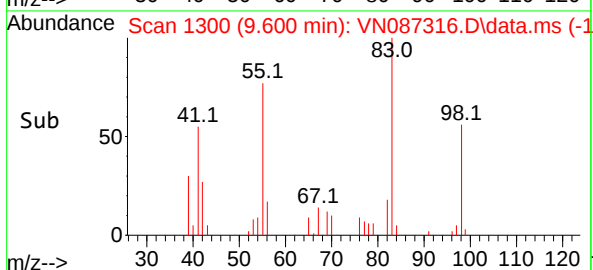
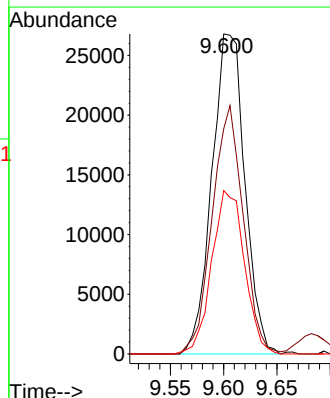
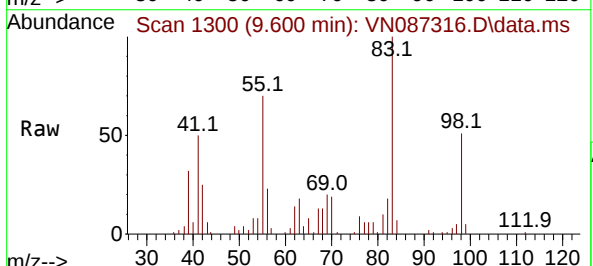
Tgt Ion: 83 Resp: 57702

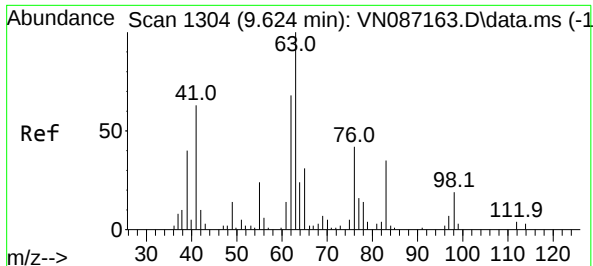
Ion Ratio Lower Upper

83 100

55 72.9 40.1 120.2

98 50.6 24.4 73.2





#39

1,2-Dichloropropane

Concen: 16.921 ug/l

RT: 9.624 min Scan# 11

Delta R.T. -0.000 min

Lab File: VN087316.D

Acq: 10 Jul 2025 10:41

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

Tgt Ion: 63 Resp: 43354

Ion Ratio Lower Upper

63 100

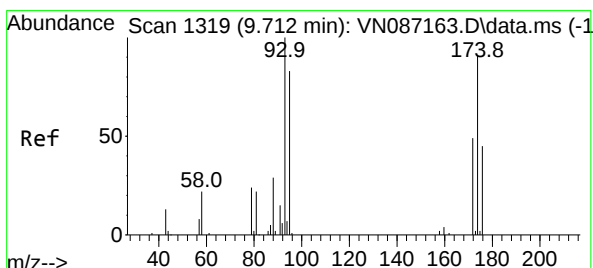
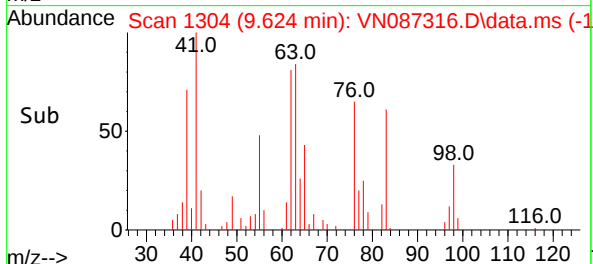
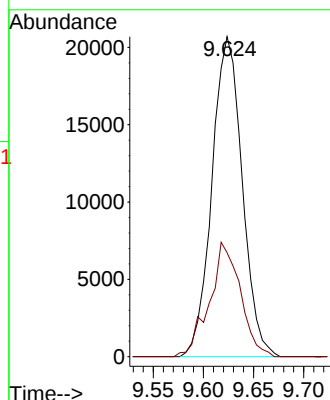
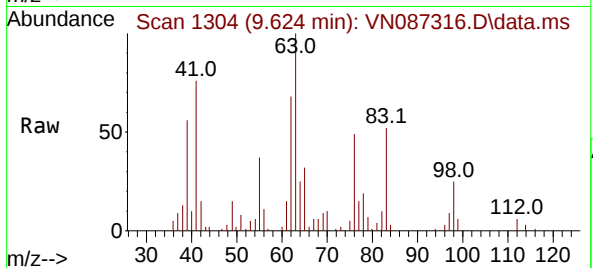
65 32.5 24.6 36.8

Manual Integrations

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Reviewed By :John Carlone 07/11/2025

Supervised By :Mahesh Dadoda 07/14/2025



#40

Dibromomethane

Concen: 21.360 ug/l

RT: 9.712 min Scan# 1319

Delta R.T. -0.000 min

Lab File: VN087316.D

Acq: 10 Jul 2025 10:41

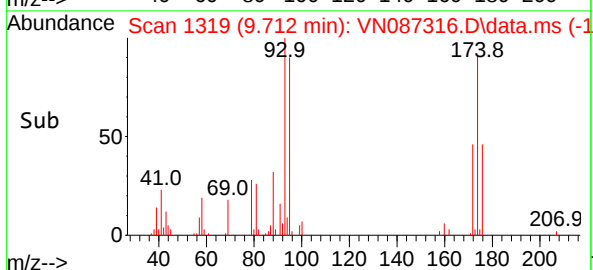
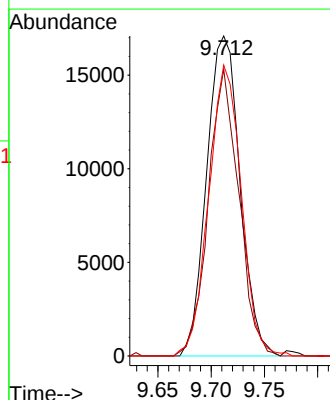
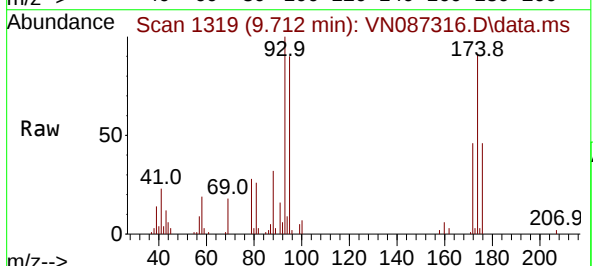
Tgt Ion: 93 Resp: 37213

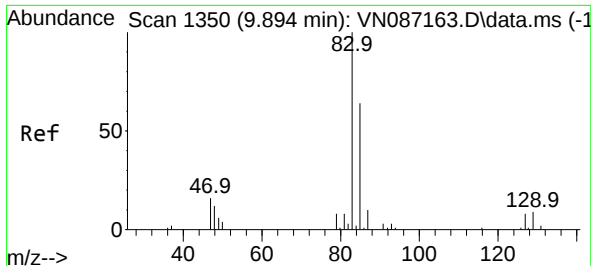
Ion Ratio Lower Upper

93 100

95 82.0 0.0 170.8

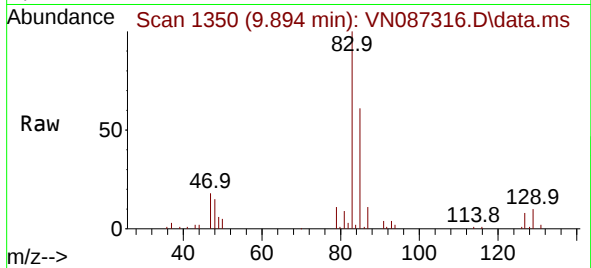
174 88.5 0.0 176.6





#41
Bromodichloromethane
Concen: 20.727 ug/l
RT: 9.894 min Scan# 1350
Delta R.T. -0.000 min
Lab File: VN087316.D
Acq: 10 Jul 2025 10:41

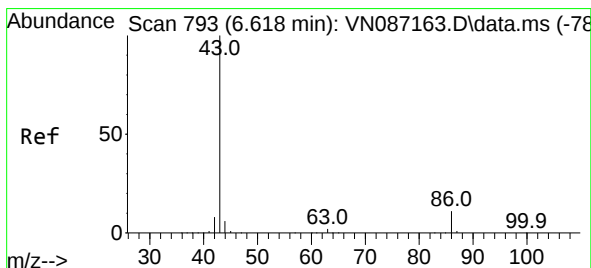
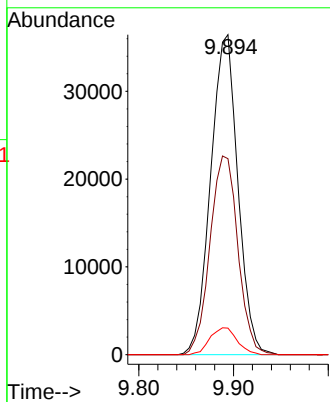
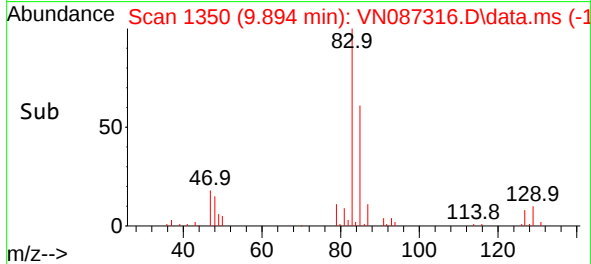
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020



Tgt Ion: 83 Resp: 7288
Ion Ratio Lower Upper
83 100
85 61.3 51.4 77.2
127 8.3 6.1 9.1

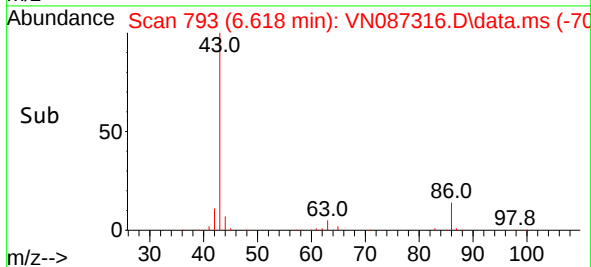
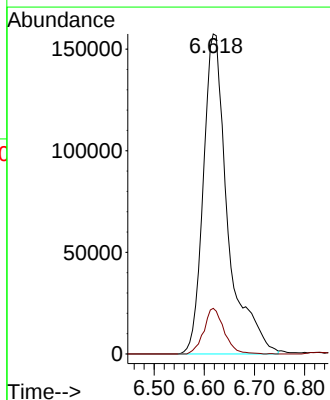
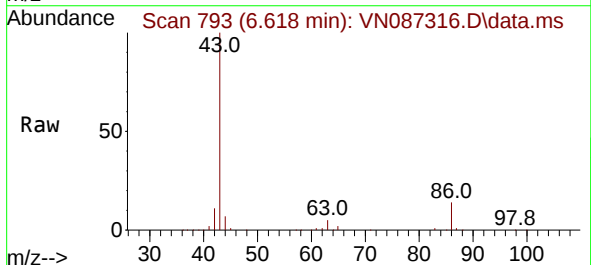
Manual Integrations
APPROVED

Reviewed By :John Carlone 07/11/2025
Supervised By :Mahesh Dadoda 07/14/2025



#42
Vinyl Acetate
Concen: 75.521 ug/l
RT: 6.618 min Scan# 793
Delta R.T. -0.000 min
Lab File: VN087316.D
Acq: 10 Jul 2025 10:41

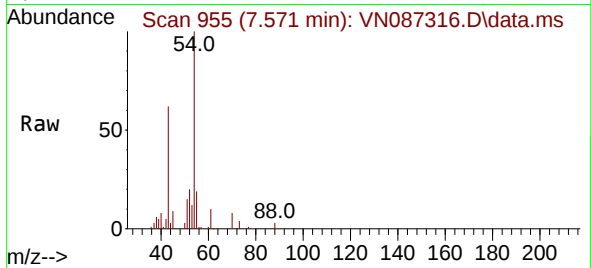
Tgt Ion: 43 Resp: 533888
Ion Ratio Lower Upper
43 100
86 11.8 7.7 11.5





#43
Ethyl Acetate
Concen: 17.786 ug/l
RT: 7.571 min Scan# 911
Delta R.T. 0.000 min
Lab File: VN087316.D
Acq: 10 Jul 2025 10:41

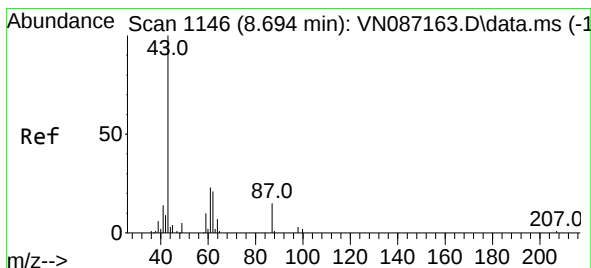
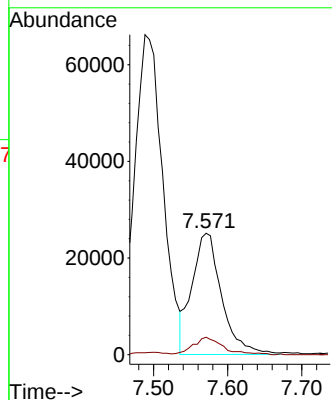
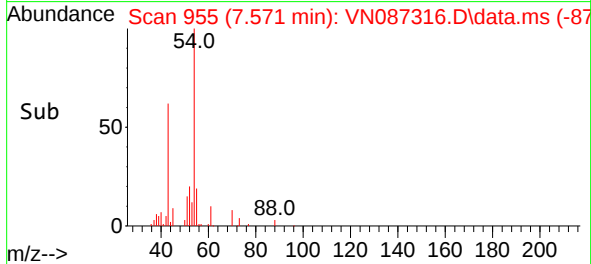
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020



Tgt Ion: 43 Resp: 69788
Ion Ratio Lower Upper
43 100
45 11.6 11.5 17.3

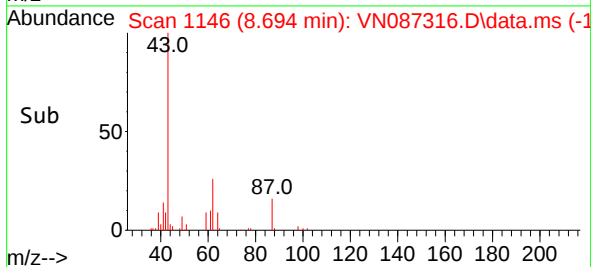
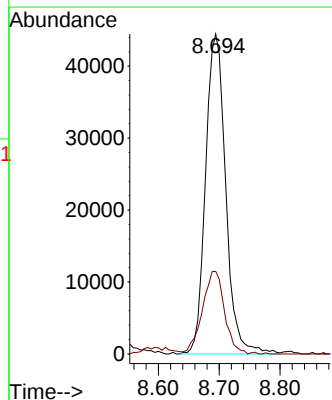
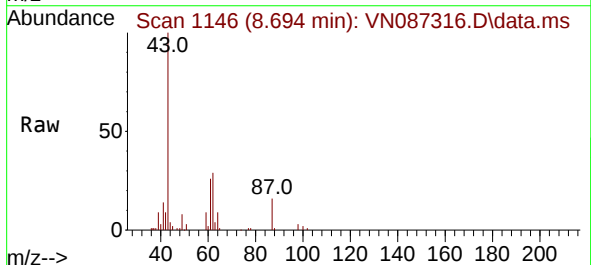
Manual Integrations
APPROVED

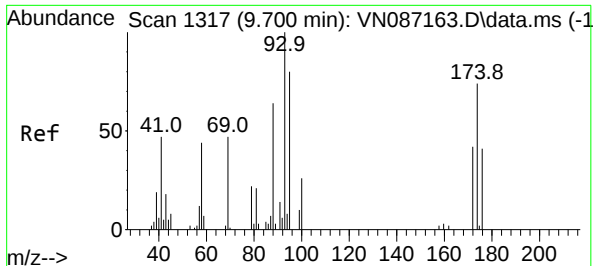
Reviewed By :John Carlone 07/11/2025
Supervised By :Mahesh Dadoda 07/14/2025



#44
Isopropyl Acetate
Concen: 16.014 ug/l
RT: 8.694 min Scan# 1146
Delta R.T. -0.000 min
Lab File: VN087316.D
Acq: 10 Jul 2025 10:41

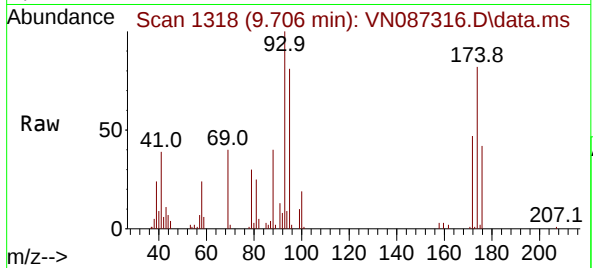
Tgt Ion: 43 Resp: 102377
Ion Ratio Lower Upper
43 100
61 28.2 20.5 30.7





#45
1,4-Dioxane
Concen: 344.807 ug/l
RT: 9.706 min Scan# 1317
Delta R.T. 0.006 min
Lab File: VN087316.D
Acq: 10 Jul 2025 10:41

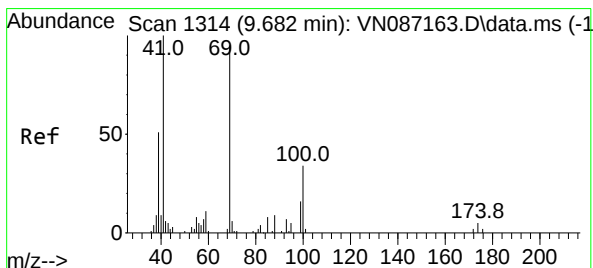
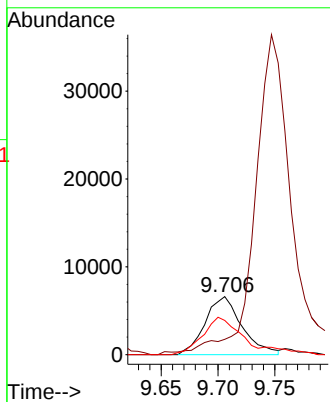
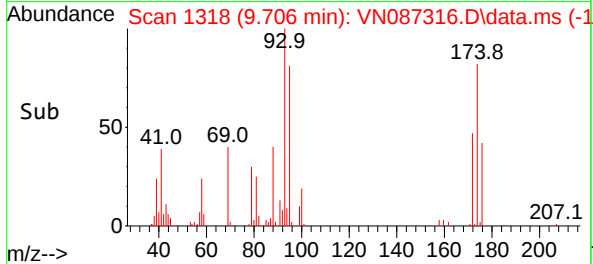
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020



Tgt Ion: 88 Resp: 1491
Ion Ratio Lower Upper
88 100
43 1.5 21.3 31.9
58 63.8 61.7 92.5

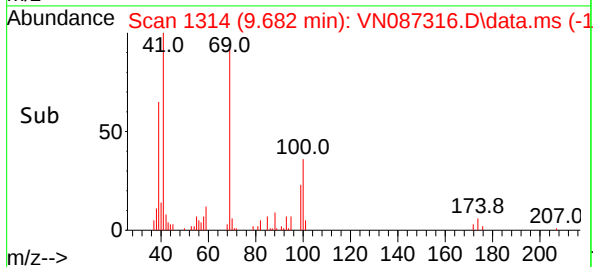
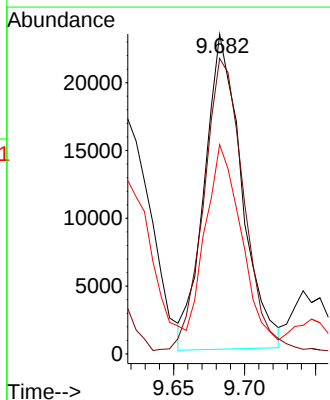
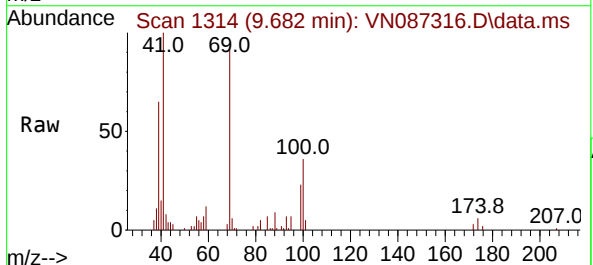
Manual Integrations
APPROVED

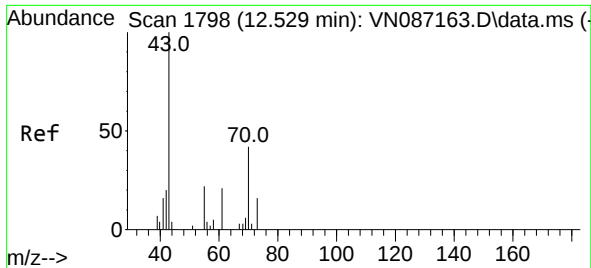
Reviewed By :John Carlone 07/11/2025
Supervised By :Mahesh Dadoda 07/14/2025



#46
Methyl methacrylate
Concen: 14.229 ug/l
RT: 9.682 min Scan# 1314
Delta R.T. -0.000 min
Lab File: VN087316.D
Acq: 10 Jul 2025 10:41

Tgt Ion: 41 Resp: 42288
Ion Ratio Lower Upper
41 100
69 95.5 45.6 136.9
39 66.5 26.2 78.5





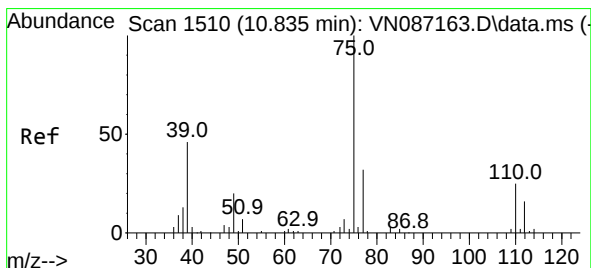
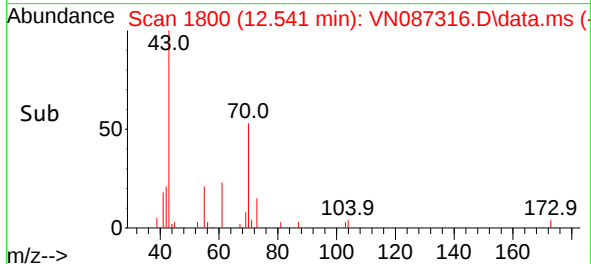
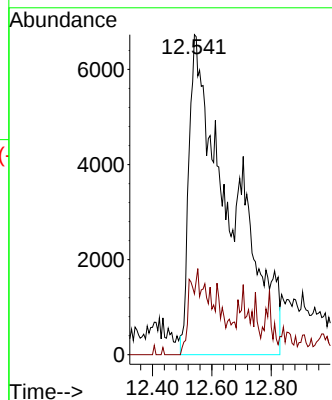
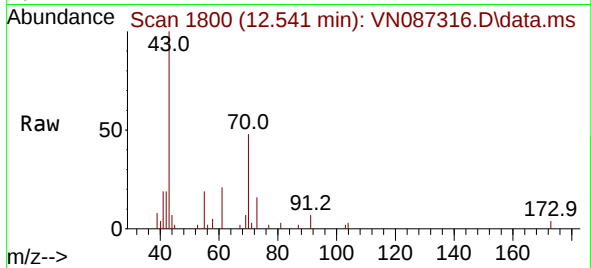
#47
n-amy1 Acetate
Concen: 16.424 ug/l m
RT: 12.541 min Scan# 1
Delta R.T. 0.012 min
Lab File: VN087316.D
Acq: 10 Jul 2025 10:41

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tgt Ion: 43 Resp: 6419
Ion Ratio Lower Upper
43 100
55 0.8 0.0 0.0

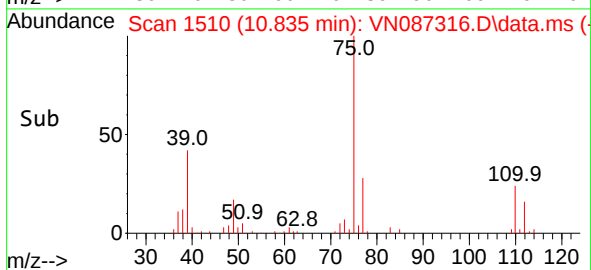
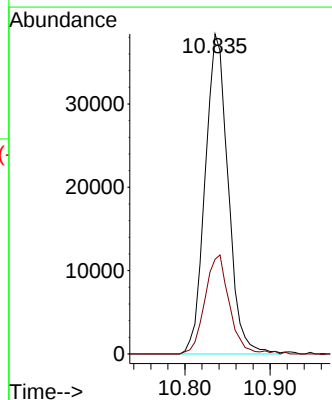
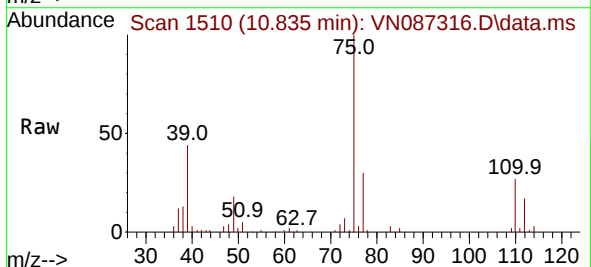
Manual Integrations
APPROVED

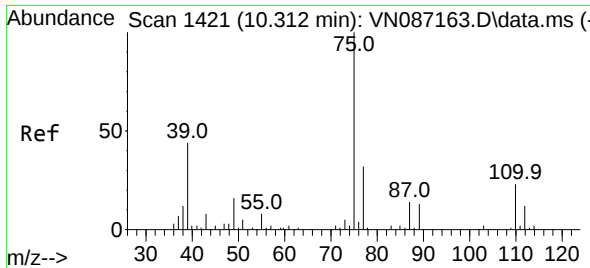
Reviewed By :John Carlone 07/11/2025
Supervised By :Mahesh Dadoda 07/14/2025



#48
t-1,3-Dichloropropene
Concen: 18.366 ug/l
RT: 10.835 min Scan# 1510
Delta R.T. -0.000 min
Lab File: VN087316.D
Acq: 10 Jul 2025 10:41

Tgt Ion: 75 Resp: 71998
Ion Ratio Lower Upper
75 100
77 29.6 25.4 38.0





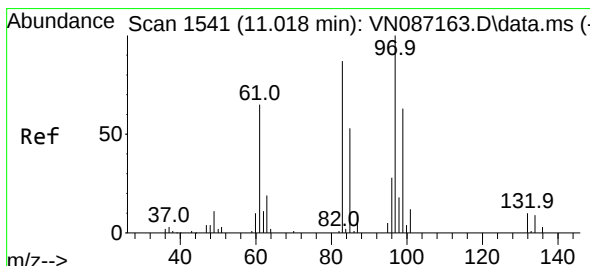
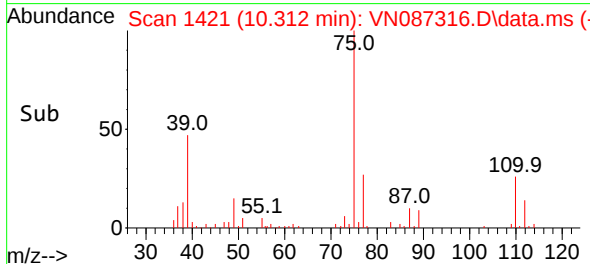
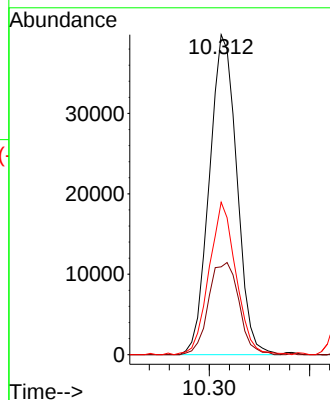
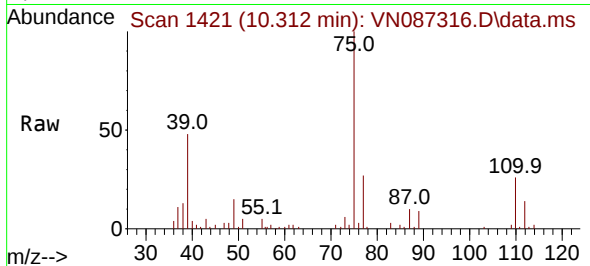
#49
 cis-1,3-Dichloropropene
 Concen: 18.187 ug/l
 RT: 10.312 min Scan# 1421
 Delta R.T. -0.000 min
 Lab File: VN087316.D
 Acq: 10 Jul 2025 10:41

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Tgt Ion: 75 Resp: 75792
 Ion Ratio Lower Upper
 75 100
 77 27.5 25.4 38.2
 39 47.2 35.3 52.9

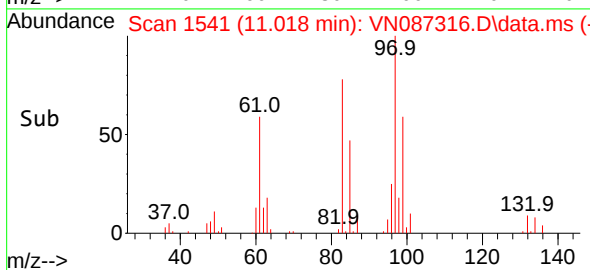
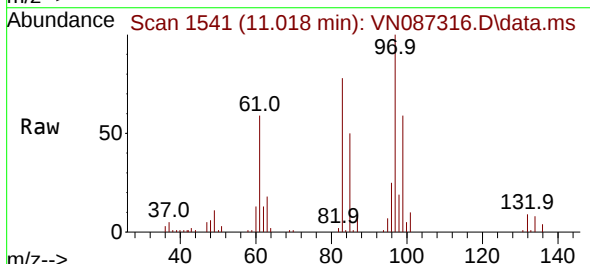
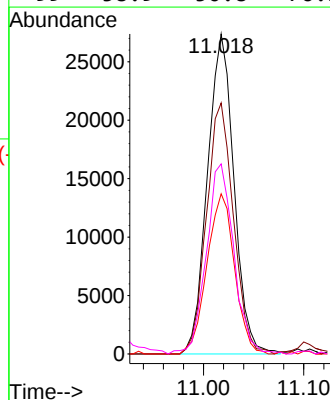
Manual Integrations
 APPROVED

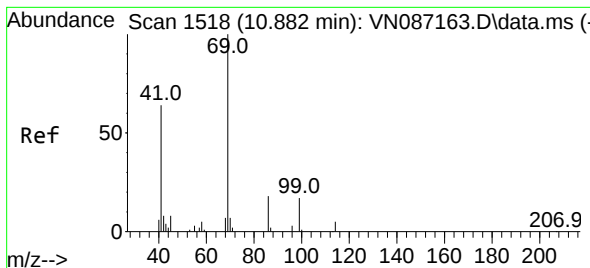
Reviewed By :John Carlone 07/11/2025
 Supervised By :Mahesh Dadoda 07/14/2025



#50
 1,1,2-Trichloroethane
 Concen: 20.367 ug/l
 RT: 11.018 min Scan# 1541
 Delta R.T. 0.000 min
 Lab File: VN087316.D
 Acq: 10 Jul 2025 10:41

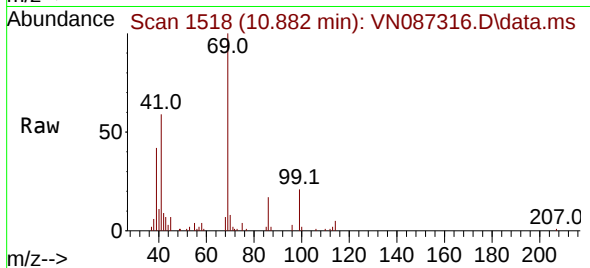
Tgt Ion: 97 Resp: 50405
 Ion Ratio Lower Upper
 97 100
 83 78.4 69.6 104.4
 85 50.0 42.0 63.0
 99 58.9 50.8 76.2





#51
Ethyl methacrylate
Concen: 16.060 ug/l
RT: 10.882 min Scan# 1518
Delta R.T. 0.000 min
Lab File: VN087316.D
Acq: 10 Jul 2025 10:41

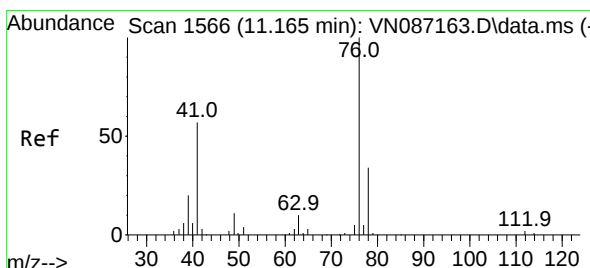
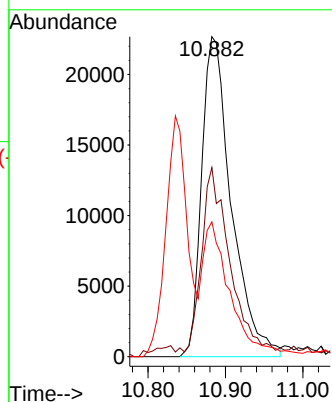
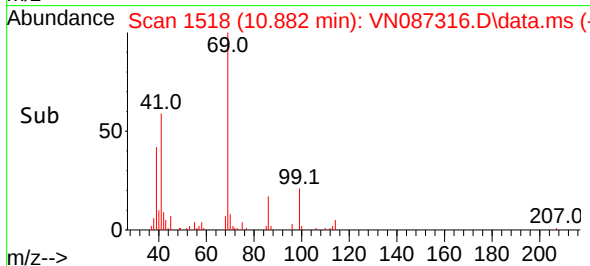
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020



Tgt Ion: 69 Resp: 6049
Ion Ratio Lower Upper
69 100
41 56.4 31.8 95.3
39 39.5 15.3 45.8

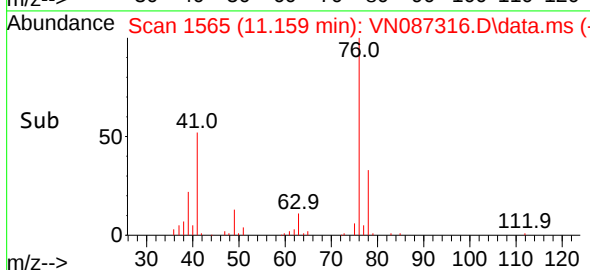
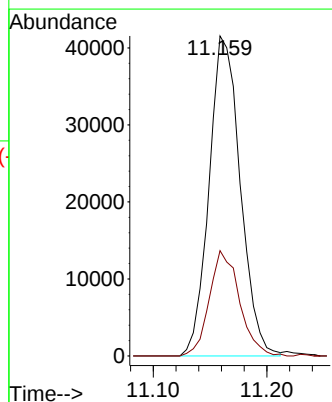
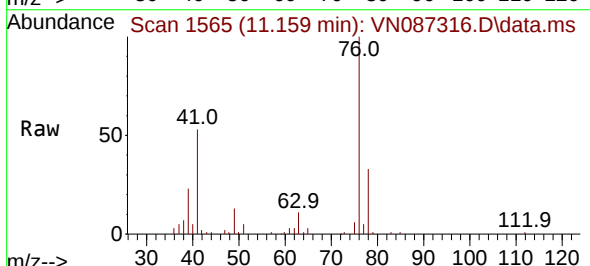
Manual Integrations
APPROVED

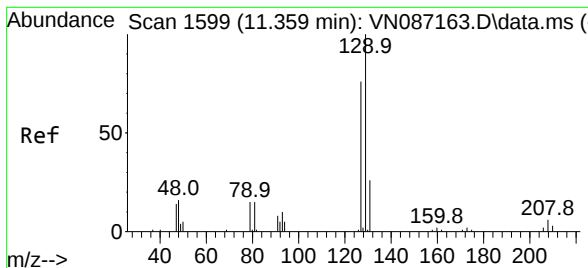
Reviewed By :John Carlone 07/11/2025
Supervised By :Mahesh Dadoda 07/14/2025



#52
1,3-Dichloropropane
Concen: 18.677 ug/l
RT: 11.159 min Scan# 1565
Delta R.T. -0.006 min
Lab File: VN087316.D
Acq: 10 Jul 2025 10:41

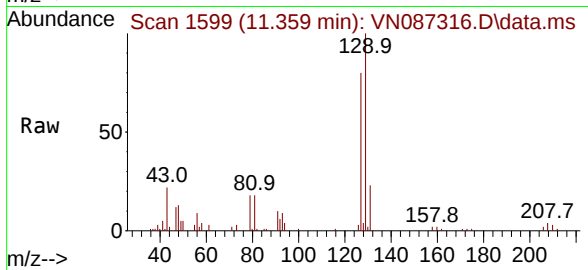
Tgt Ion: 76 Resp: 79354
Ion Ratio Lower Upper
76 100
78 31.7 0.0 63.0





#53
Dibromochloromethane
Concen: 22.113 ug/l
RT: 11.359 min Scan# 1599
Delta R.T. -0.000 min
Lab File: VN087316.D
Acq: 10 Jul 2025 10:41

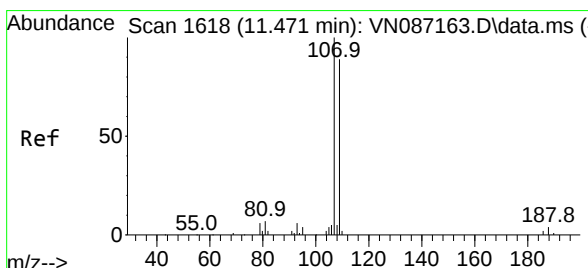
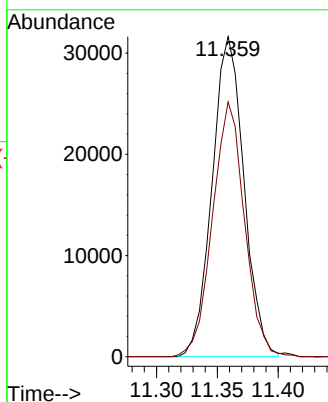
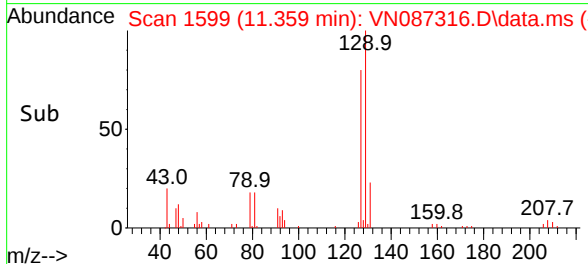
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020



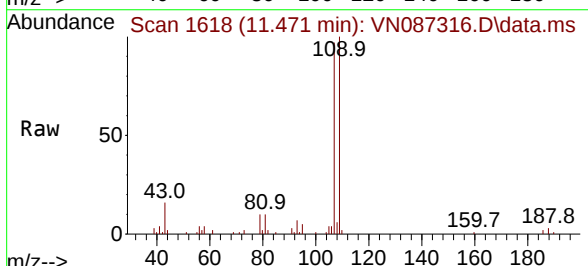
Tgt Ion:129 Resp: 57440
Ion Ratio Lower Upper
129 100
127 79.9 39.6 118.8

Manual Integrations
APPROVED

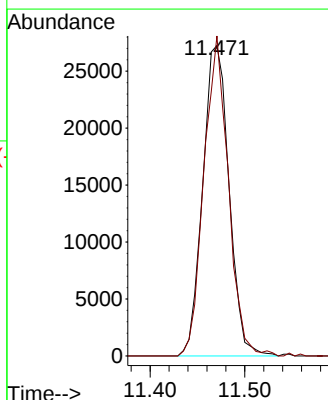
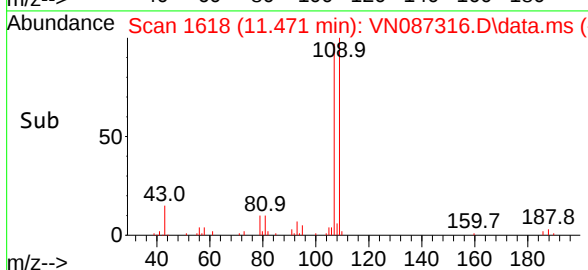
Reviewed By :John Carlone 07/11/2025
Supervised By :Mahesh Dadoda 07/14/2025

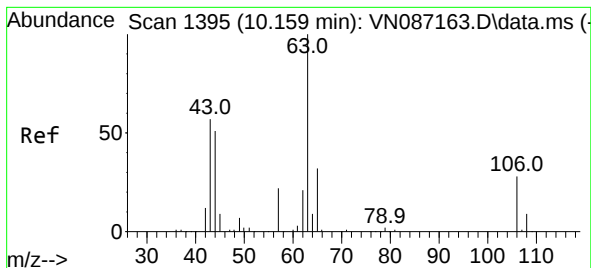


#54
1,2-Dibromoethane
Concen: 20.627 ug/l
RT: 11.471 min Scan# 1618
Delta R.T. -0.000 min
Lab File: VN087316.D
Acq: 10 Jul 2025 10:41



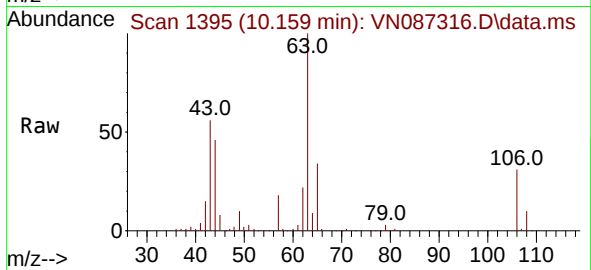
Tgt Ion:107 Resp: 52665
Ion Ratio Lower Upper
107 100
109 95.3 73.5 110.3





#55
2-Chloroethyl vinyl ether
Concen: 79.280 ug/l
RT: 10.159 min Scan# 1395
Delta R.T. 0.000 min
Lab File: VN087316.D
Acq: 10 Jul 2025 10:41

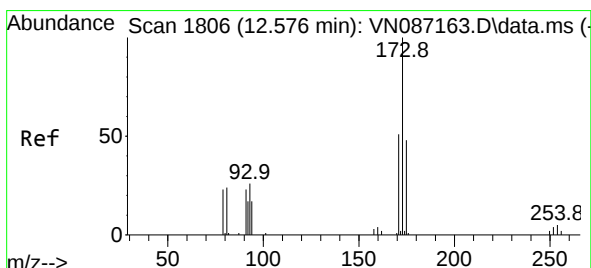
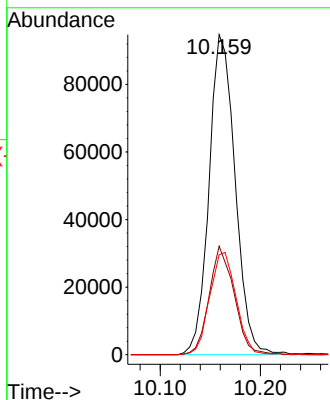
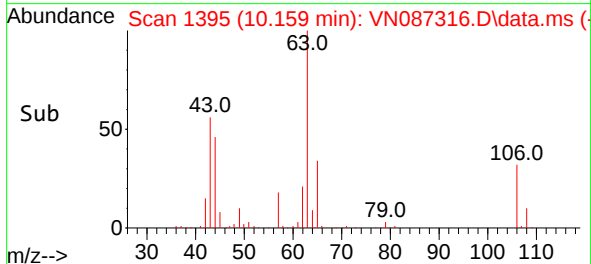
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020



Tgt Ion: 63 Resp: 17117
Ion Ratio Lower Upper
63 100
65 32.5 25.6 38.4
106 32.4 21.9 32.9

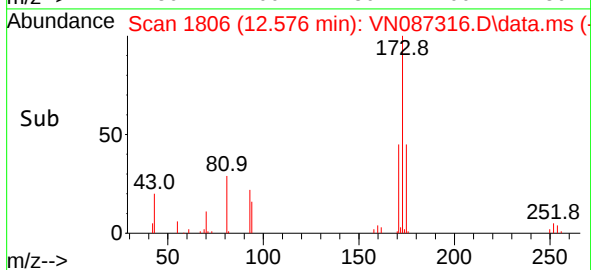
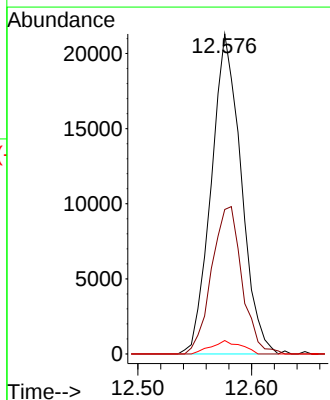
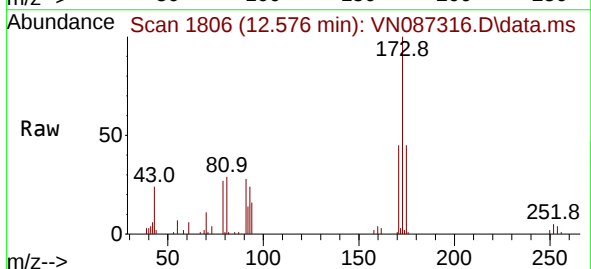
Manual Integrations
APPROVED

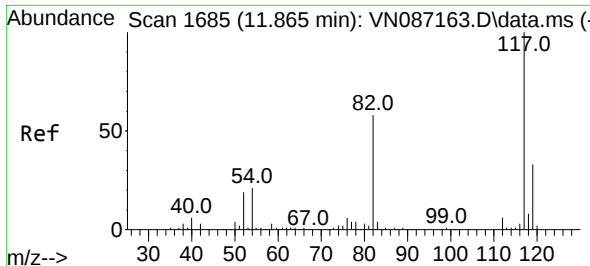
Reviewed By :John Carlone 07/11/2025
Supervised By :Mahesh Dadoda 07/14/2025



#56
Bromoform
Concen: 21.788 ug/l
RT: 12.576 min Scan# 1806
Delta R.T. -0.000 min
Lab File: VN087316.D
Acq: 10 Jul 2025 10:41

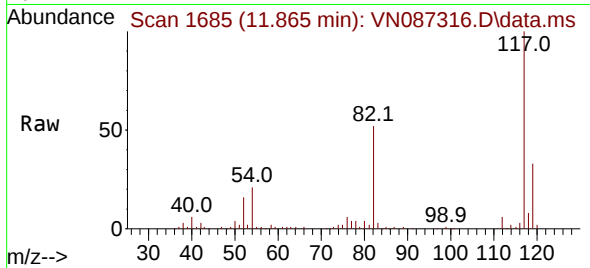
Tgt Ion:173 Resp: 38910
Ion Ratio Lower Upper
173 100
175 46.8 38.7 58.1
254 4.2 4.2 6.4#





#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.865 min Scan# 117
Delta R.T. -0.000 min
Lab File: VN087316.D
Acq: 10 Jul 2025 10:41

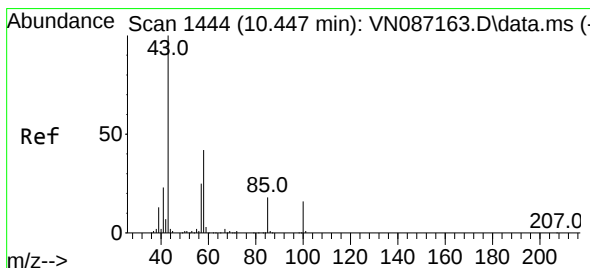
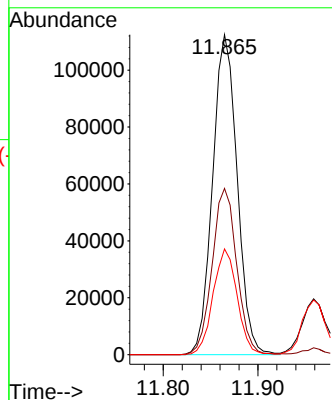
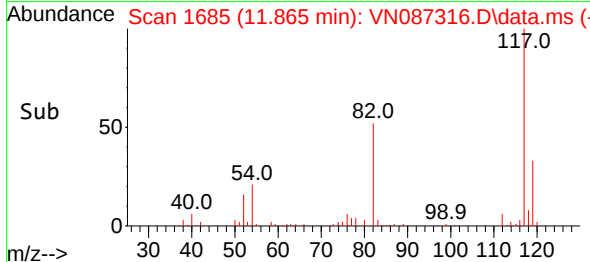
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020



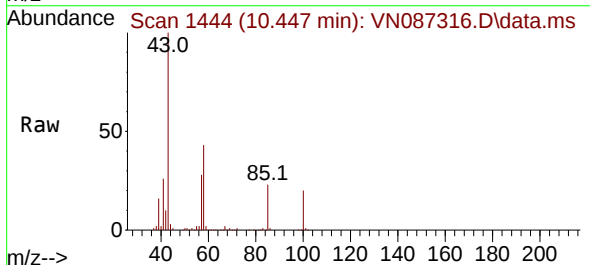
Tgt Ion:117 Resp: 202660
Ion Ratio Lower Upper
117 100
82 52.2 45.4 68.2
119 32.5 26.2 39.4

Manual Integrations
APPROVED

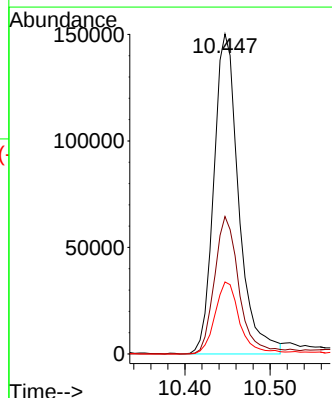
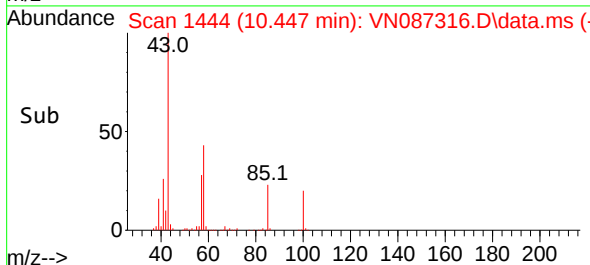
Reviewed By :John Carlone 07/11/2025
Supervised By :Mahesh Dadoda 07/14/2025

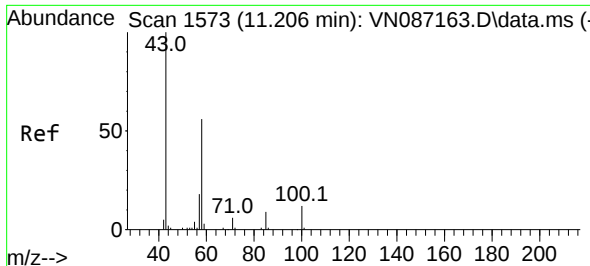


#58
4-Methyl-2-Pentanone
Concen: 74.861 ug/l
RT: 10.447 min Scan# 1444
Delta R.T. 0.000 min
Lab File: VN087316.D
Acq: 10 Jul 2025 10:41



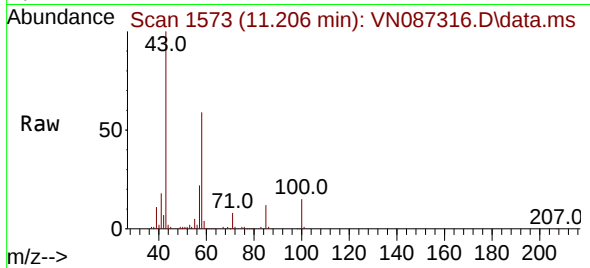
Tgt Ion: 43 Resp: 305007
Ion Ratio Lower Upper
43 100
58 42.6 32.6 49.0
85 21.9 14.6 22.0





#59
2-Hexanone
Concen: 67.738 ug/l
RT: 11.206 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN087316.D
Acq: 10 Jul 2025 10:41

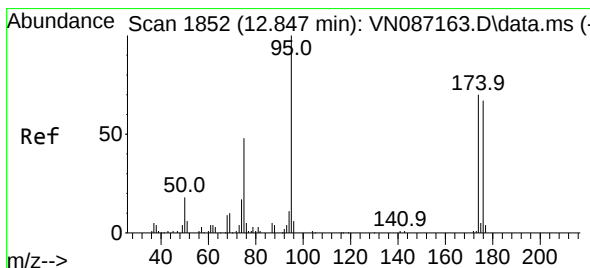
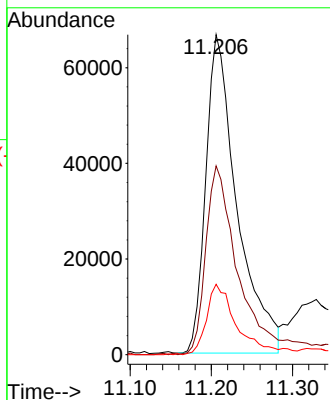
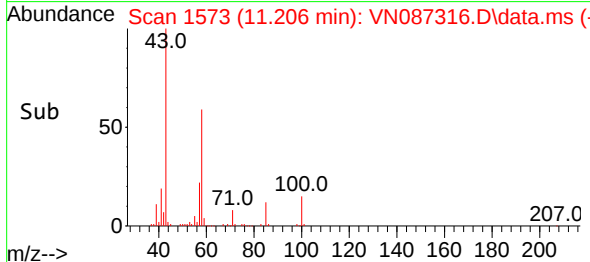
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020



Tgt Ion: 43 Resp: 17821
Ion Ratio Lower Upper
43 100
58 59.7 49.2 73.8
57 21.0 15.3 22.9

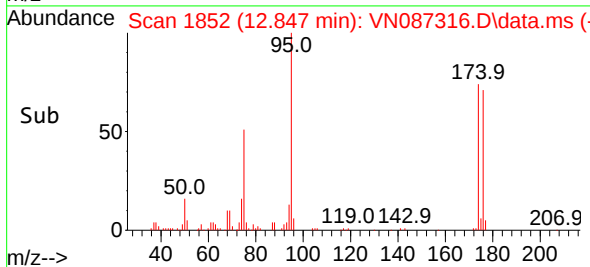
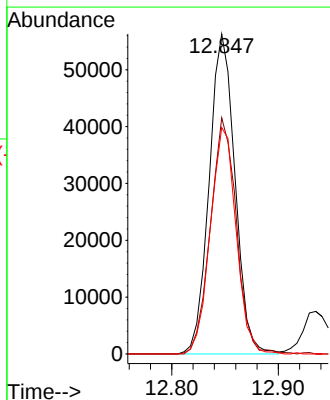
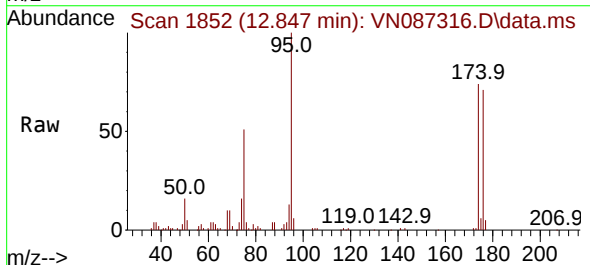
Manual Integrations
APPROVED

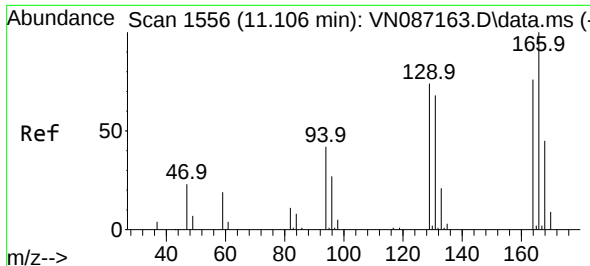
Reviewed By :John Carlone 07/11/2025
Supervised By :Mahesh Dadoda 07/14/2025



#60
4-Bromofluorobenzene
Concen: 30.278 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN087316.D
Acq: 10 Jul 2025 10:41

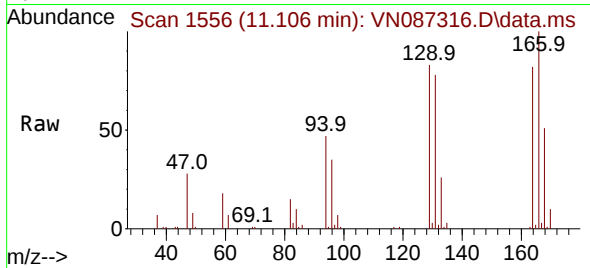
Tgt Ion: 95 Resp: 94690
Ion Ratio Lower Upper
95 100
174 73.4 54.5 81.7
176 71.0 51.9 77.9





#61
Tetrachloroethene
Concen: 18.914 ug/l
RT: 11.106 min Scan# 1556
Delta R.T. -0.000 min
Lab File: VN087316.D
Acq: 10 Jul 2025 10:41

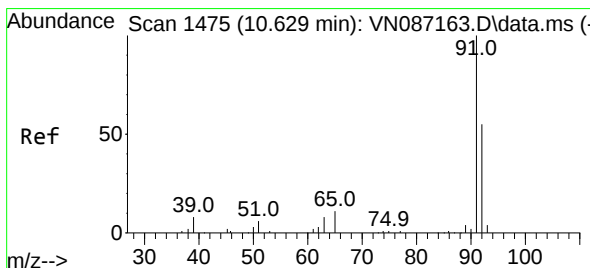
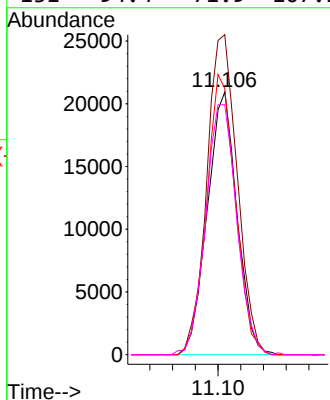
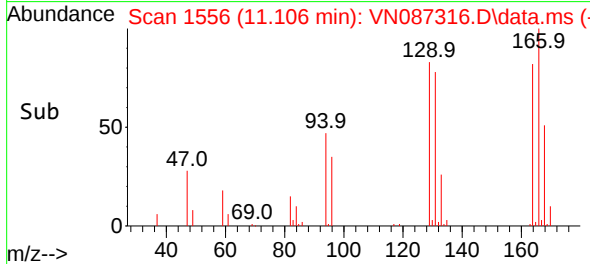
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020



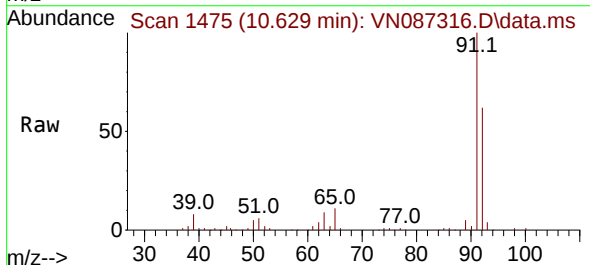
Tgt Ion:164 Resp: 37960
Ion Ratio Lower Upper
164 100
166 121.9 105.4 158.2
129 101.4 77.9 116.9
131 94.4 71.9 107.9

Manual Integrations
APPROVED

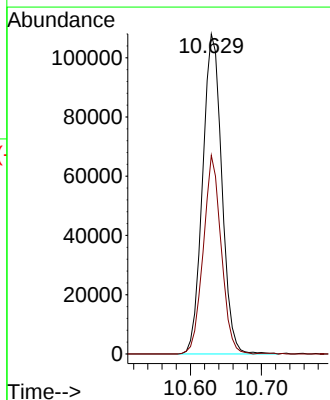
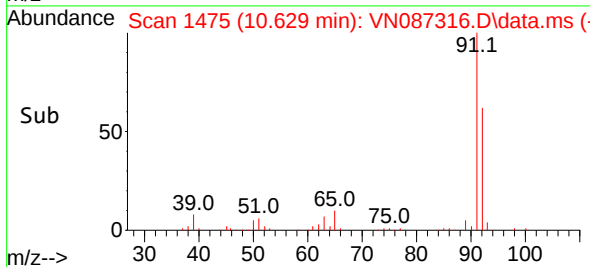
Reviewed By :John Carlone 07/11/2025
Supervised By :Mahesh Dadoda 07/14/2025

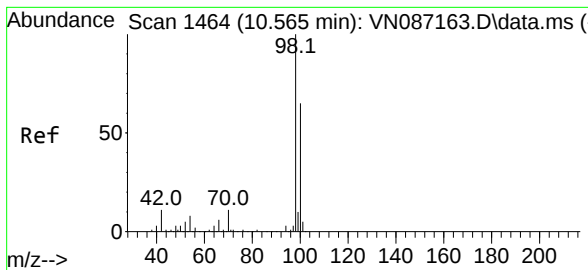


#62
Toluene
Concen: 17.754 ug/l
RT: 10.629 min Scan# 1475
Delta R.T. -0.000 min
Lab File: VN087316.D
Acq: 10 Jul 2025 10:41



Tgt Ion: 91 Resp: 203216
Ion Ratio Lower Upper
91 100
92 57.9 45.8 68.8





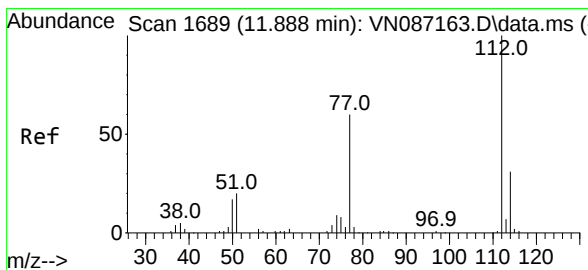
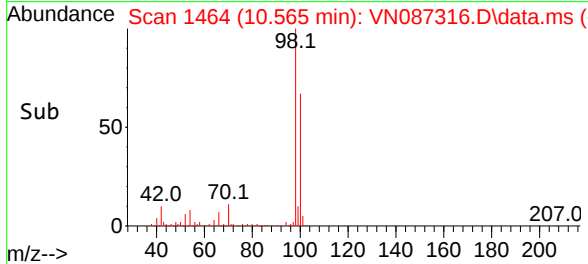
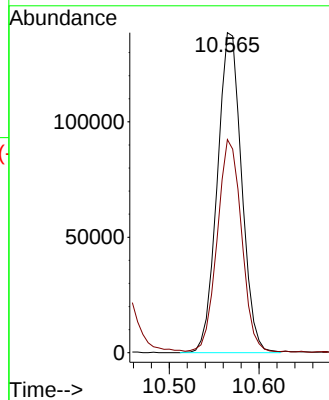
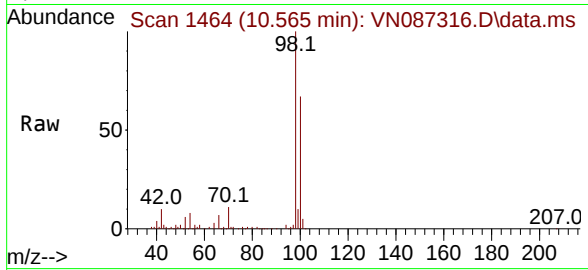
#63
Toluene-d8
Concen: 28.714 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN087316.D
Acq: 10 Jul 2025 10:41

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tgt Ion: 98 Resp: 26129
Ion Ratio Lower Upper
98 100
100 67.0 52.5 78.7

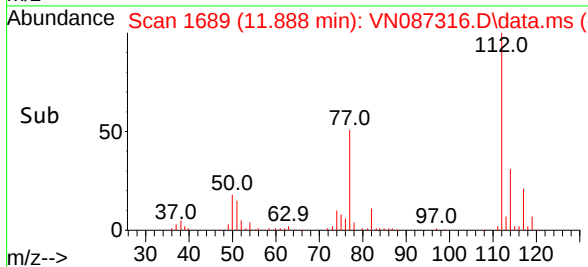
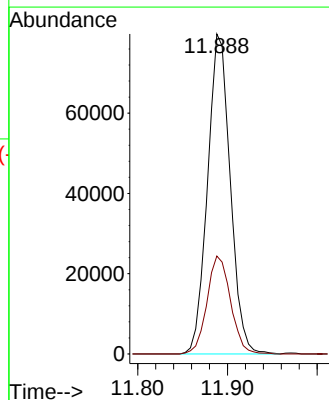
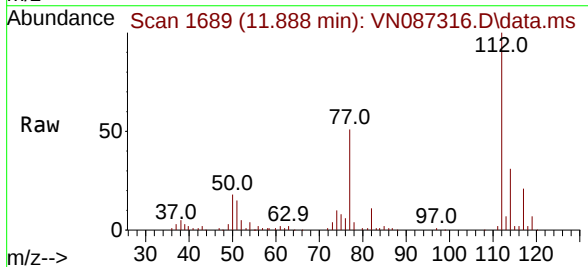
Manual Integrations
APPROVED

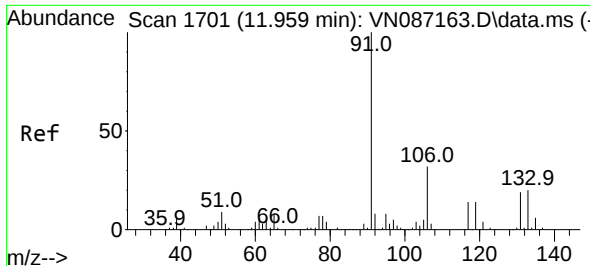
Reviewed By :John Carlone 07/11/2025
Supervised By :Mahesh Dadoda 07/14/2025



#64
Chlorobenzene
Concen: 19.178 ug/l
RT: 11.888 min Scan# 1689
Delta R.T. 0.000 min
Lab File: VN087316.D
Acq: 10 Jul 2025 10:41

Tgt Ion:112 Resp: 140028
Ion Ratio Lower Upper
112 100
114 30.6 25.0 37.4





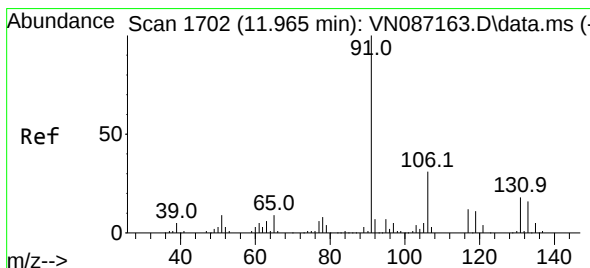
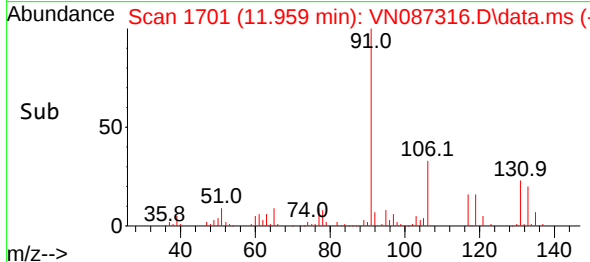
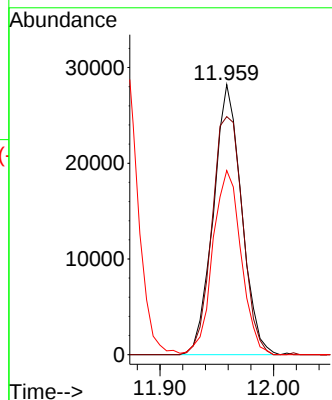
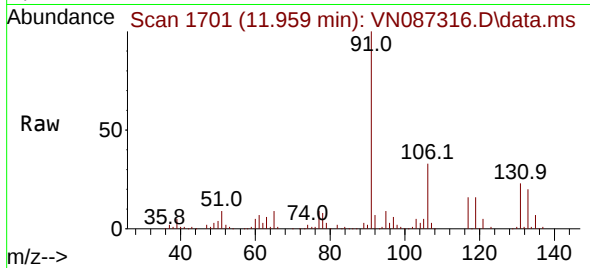
#65
1,1,1,2-Tetrachloroethane
Concen: 20.242 ug/l
RT: 11.959 min Scan# 1701
Delta R.T. 0.000 min
Lab File: VN087316.D
Acq: 10 Jul 2025 10:41

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tgt Ion:131 Resp: 4883
Ion Ratio Lower Upper
131 100
133 95.8 0.0 187.8
119 68.4 0.0 140.0

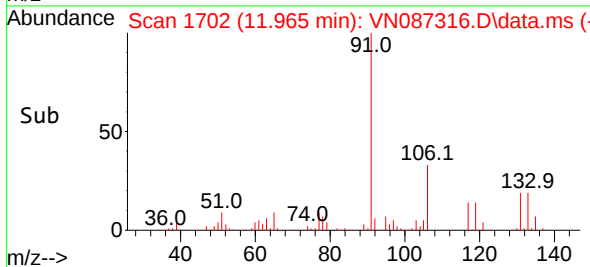
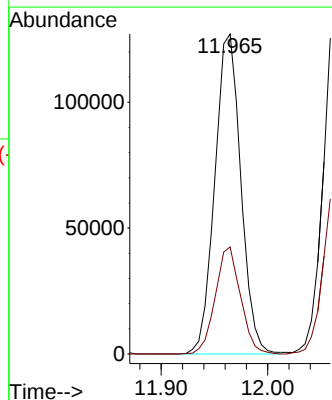
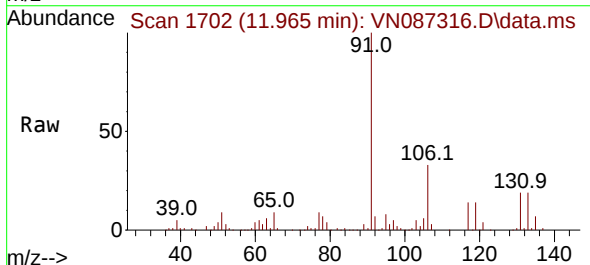
Manual Integrations
APPROVED

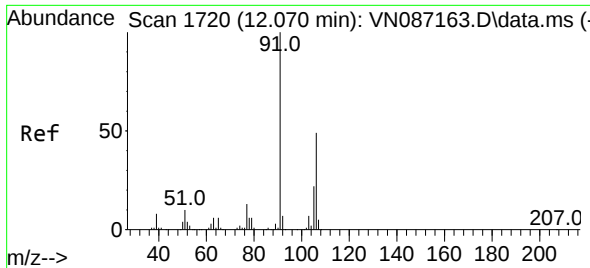
Reviewed By :John Carlone 07/11/2025
Supervised By :Mahesh Dadoda 07/14/2025



#66
Ethyl Benzene
Concen: 17.208 ug/l
RT: 11.965 min Scan# 1702
Delta R.T. 0.000 min
Lab File: VN087316.D
Acq: 10 Jul 2025 10:41

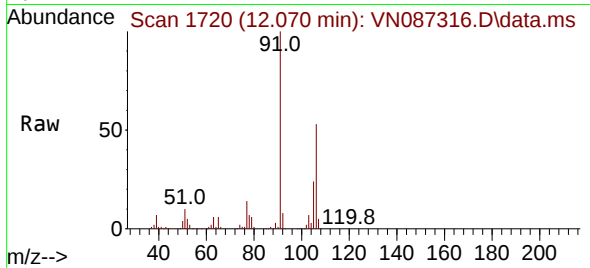
Tgt Ion: 91 Resp: 215595
Ion Ratio Lower Upper
91 100
106 33.4 24.8 37.2





#67
m/p-Xylenes
Concen: 37.030 ug/l
RT: 12.070 min Scan# 1720
Delta R.T. -0.000 min
Lab File: VN087316.D
Acq: 10 Jul 2025 10:41

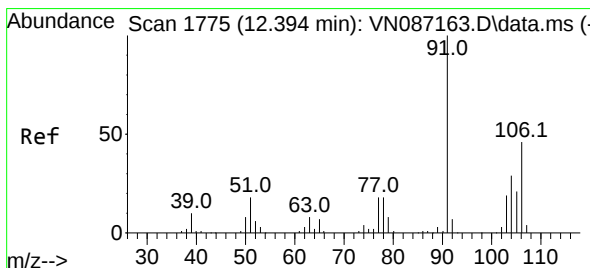
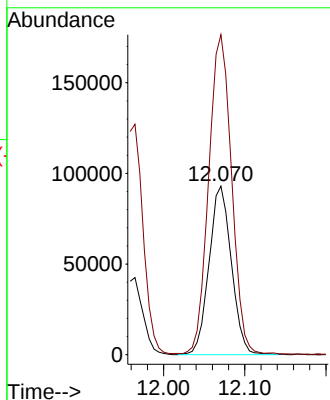
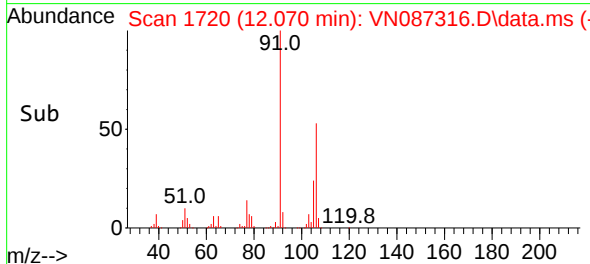
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020



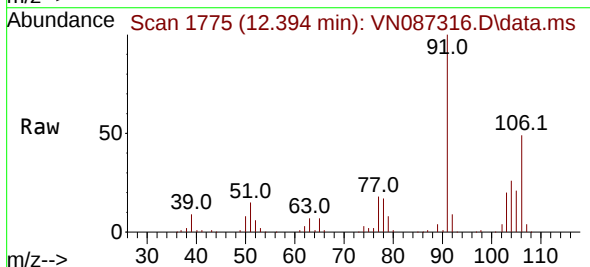
Tgt Ion:106 Resp: 17778
Ion Ratio Lower Upper
106 100
91 194.7 163.0 244.4

Manual Integrations
APPROVED

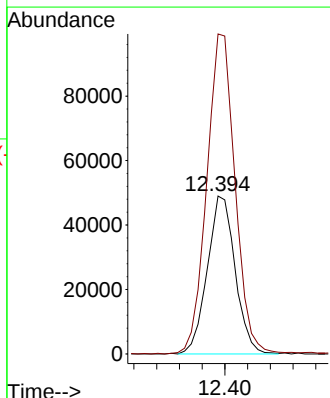
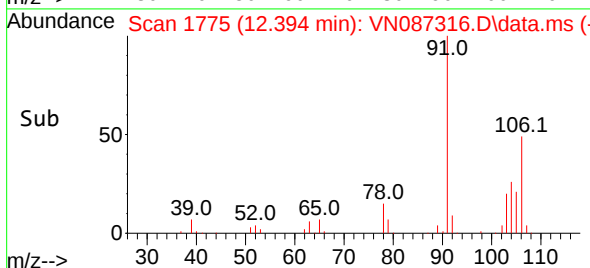
Reviewed By :John Carlone 07/11/2025
Supervised By :Mahesh Dadoda 07/14/2025

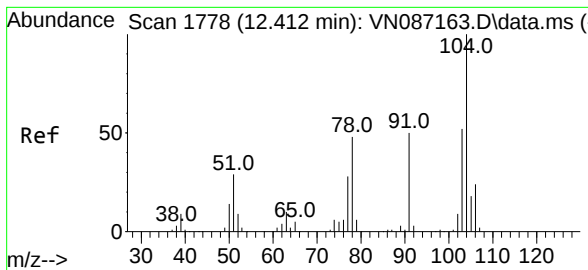


#68
o-Xylene
Concen: 18.205 ug/l
RT: 12.394 min Scan# 1775
Delta R.T. 0.000 min
Lab File: VN087316.D
Acq: 10 Jul 2025 10:41



Tgt Ion:106 Resp: 83384
Ion Ratio Lower Upper
106 100
91 206.0 107.1 321.1





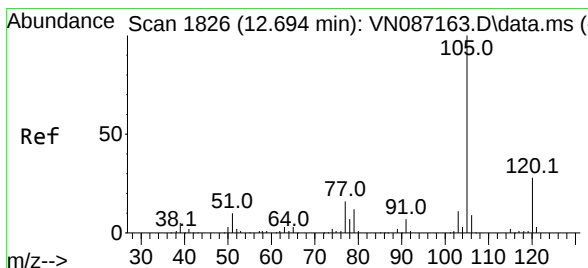
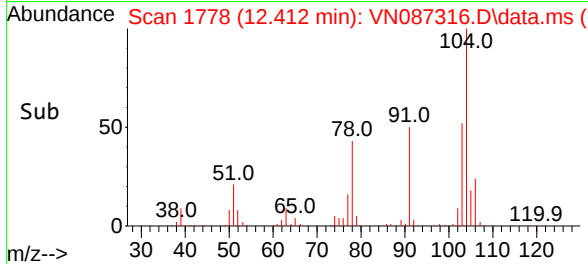
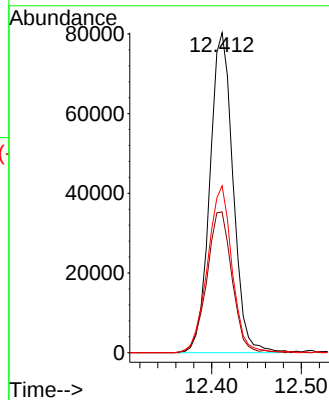
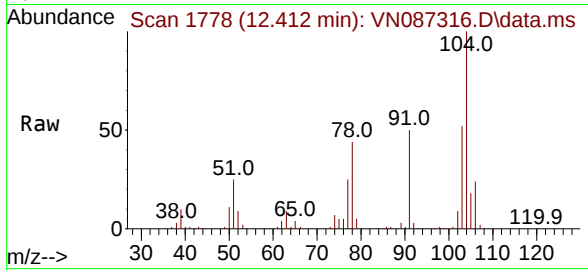
#69
Styrene
Concen: 18.348 ug/l
RT: 12.412 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN087316.D
Acq: 10 Jul 2025 10:41

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tgt Ion:104 Resp: 144274
Ion Ratio Lower Upper
104 100
78 47.5 39.8 59.8
103 54.9 44.2 66.4

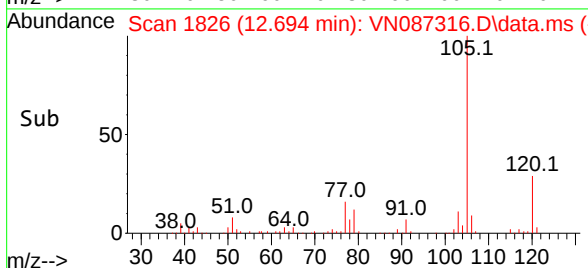
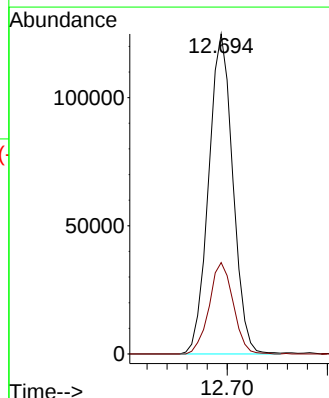
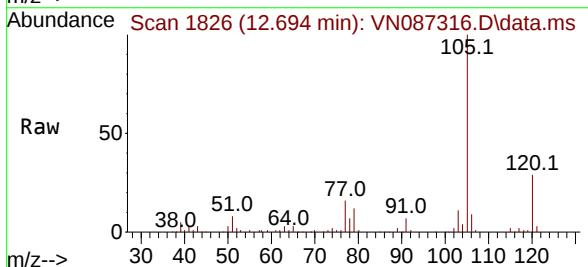
Manual Integrations
APPROVED

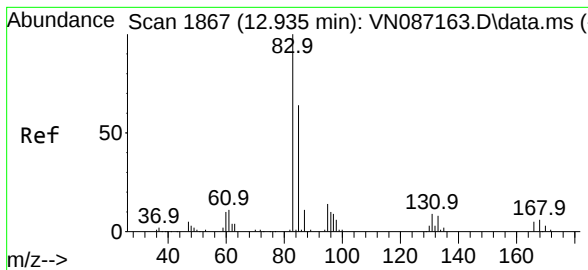
Reviewed By :John Carlone 07/11/2025
Supervised By :Mahesh Dadoda 07/14/2025



#70
Isopropylbenzene
Concen: 18.366 ug/l
RT: 12.694 min Scan# 1826
Delta R.T. -0.000 min
Lab File: VN087316.D
Acq: 10 Jul 2025 10:41

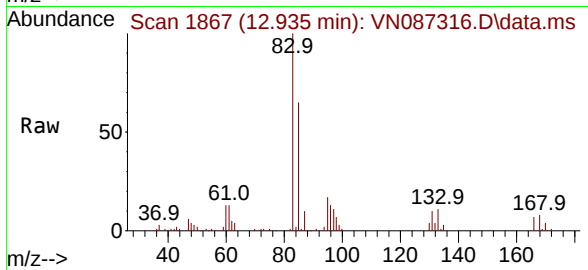
Tgt Ion:105 Resp: 209510
Ion Ratio Lower Upper
105 100
120 28.3 19.0 35.2





#71
1,1,2,2-Tetrachloroethane
Concen: 18.958 ug/l
RT: 12.935 min Scan# 1867
Delta R.T. -0.000 min
Lab File: VN087316.D
Acq: 10 Jul 2025 10:41

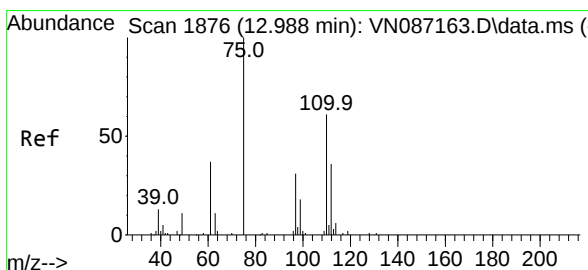
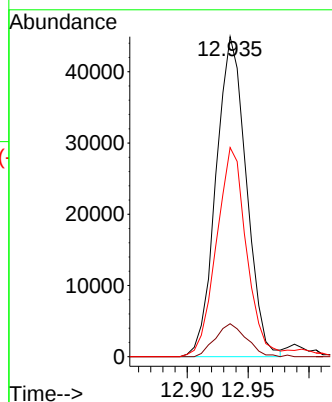
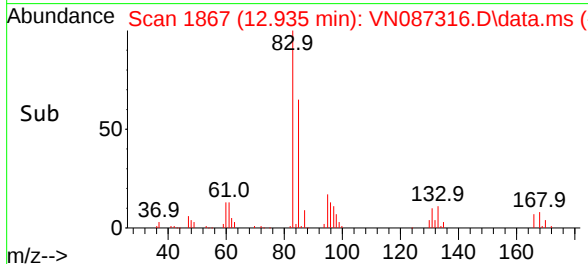
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020



Tgt Ion: 83 Resp: 7784
Ion Ratio Lower Upper
83 100
131 10.5 4.5 13.4
85 64.7 31.3 93.9

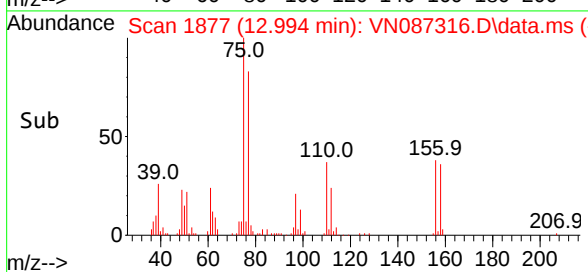
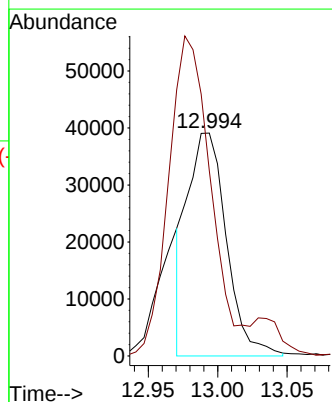
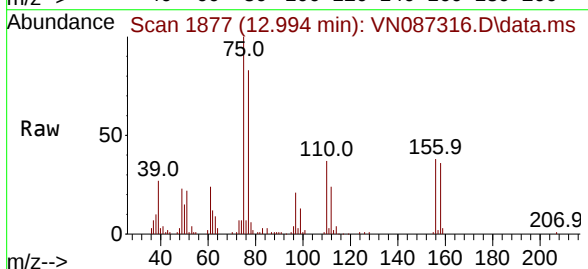
Manual Integrations
APPROVED

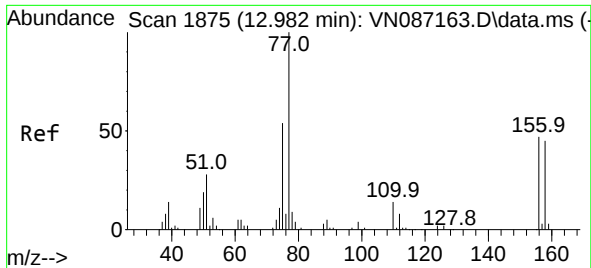
Reviewed By :John Carlone 07/11/2025
Supervised By :Mahesh Dadoda 07/14/2025



#72
1,2,3-Trichloropropane
Concen: 21.529 ug/l m
RT: 12.994 min Scan# 1877
Delta R.T. 0.006 min
Lab File: VN087316.D
Acq: 10 Jul 2025 10:41

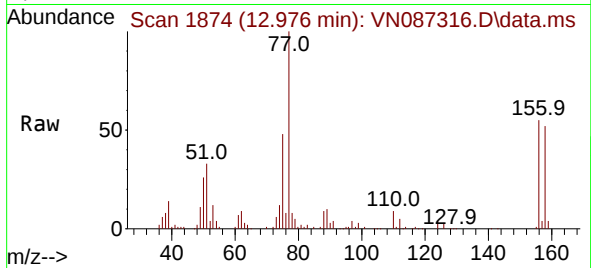
Tgt Ion: 75 Resp: 76231
Ion Ratio Lower Upper
75 100
77 152.1 0.0 379.2





#73
Bromobenzene
Concen: 20.642 ug/l
RT: 12.976 min Scan# 1874
Delta R.T. -0.006 min
Lab File: VN087316.D
Acq: 10 Jul 2025 10:41

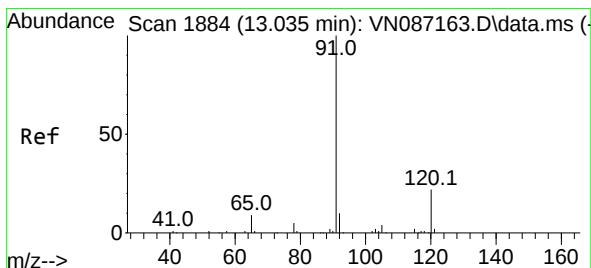
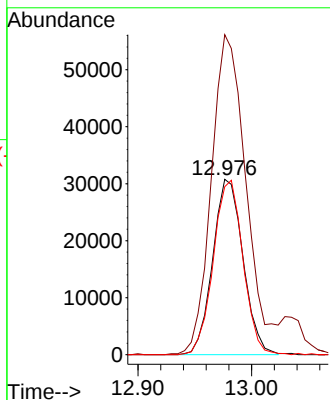
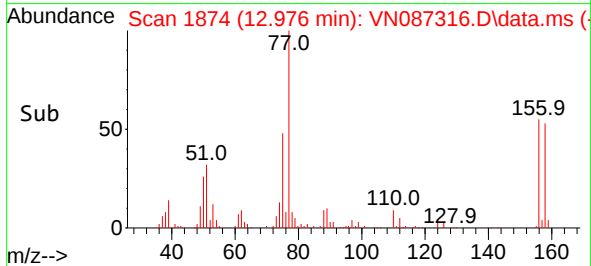
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020



Tgt Ion:156 Resp: 57119
Ion Ratio Lower Upper
156 100
77 203.0 0.0 489.0
158 97.1 0.0 195.2

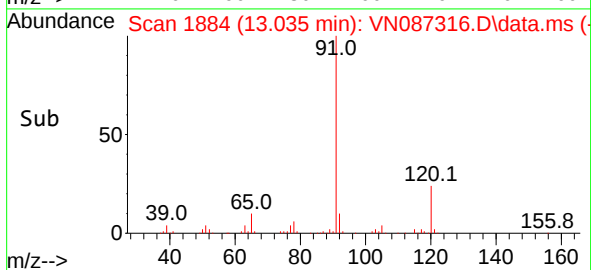
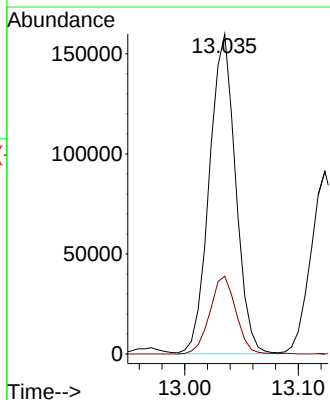
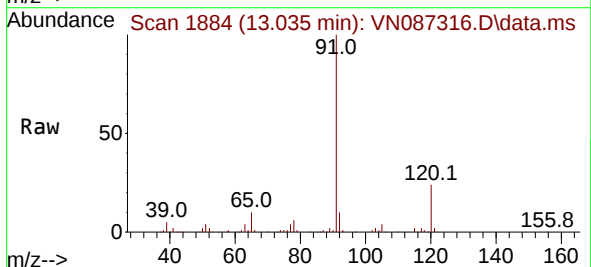
Manual Integrations
APPROVED

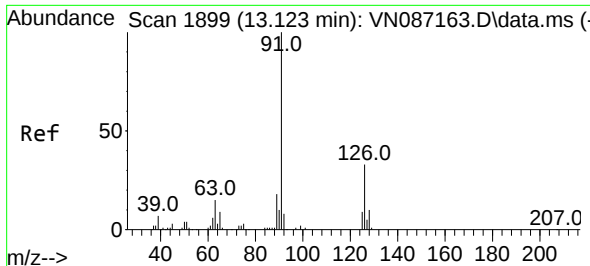
Reviewed By :John Carlone 07/11/2025
Supervised By :Mahesh Dadoda 07/14/2025



#74
n-propylbenzene
Concen: 18.397 ug/l
RT: 13.035 min Scan# 1884
Delta R.T. 0.000 min
Lab File: VN087316.D
Acq: 10 Jul 2025 10:41

Tgt Ion: 91 Resp: 256386
Ion Ratio Lower Upper
91 100
120 24.1 0.0 43.6





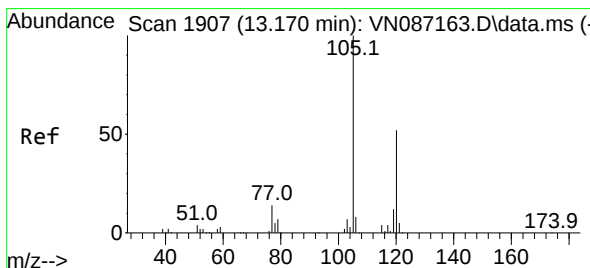
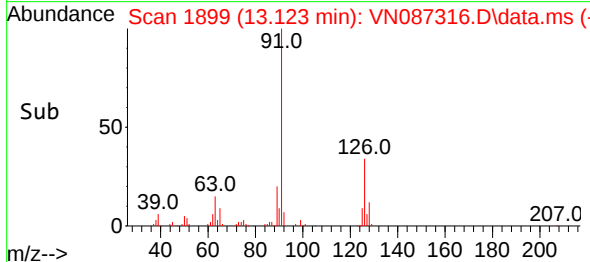
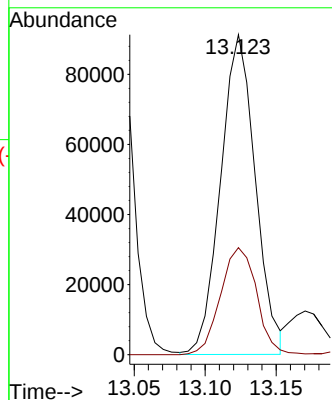
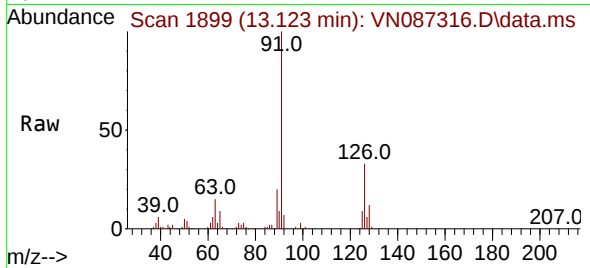
#75
2-Chlorotoluene
Concen: 18.454 ug/l
RT: 13.123 min Scan# 1899
Delta R.T. -0.000 min
Lab File: VN087316.D
Acq: 10 Jul 2025 10:41

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tgt Ion: 91 Resp: 15537
Ion Ratio Lower Upper
91 100
126 34.8 0.0 63.8

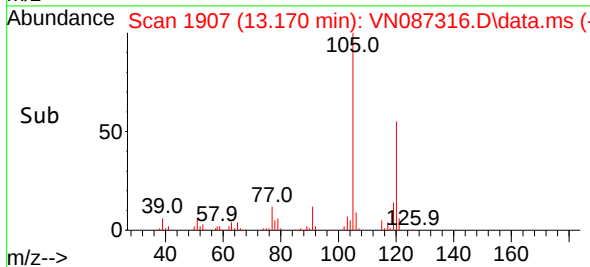
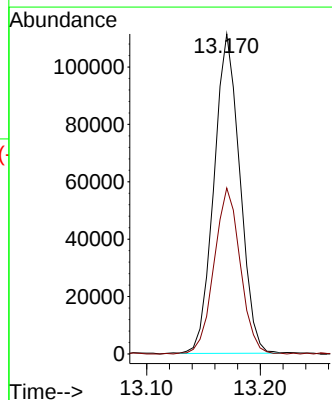
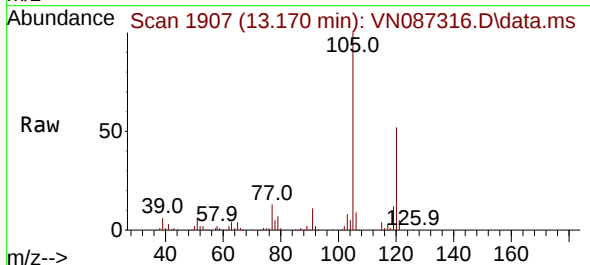
Manual Integrations
APPROVED

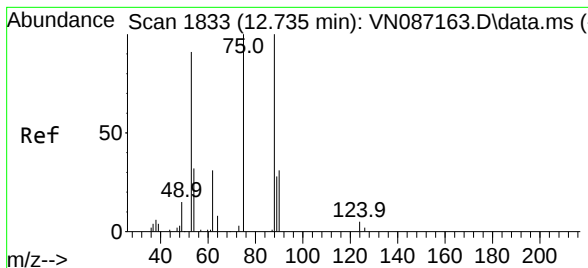
Reviewed By :John Carlone 07/11/2025
Supervised By :Mahesh Dadoda 07/14/2025



#76
1,3,5-Trimethylbenzene
Concen: 18.979 ug/l
RT: 13.170 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VN087316.D
Acq: 10 Jul 2025 10:41

Tgt Ion:105 Resp: 176246
Ion Ratio Lower Upper
105 100
120 52.6 0.0 100.8





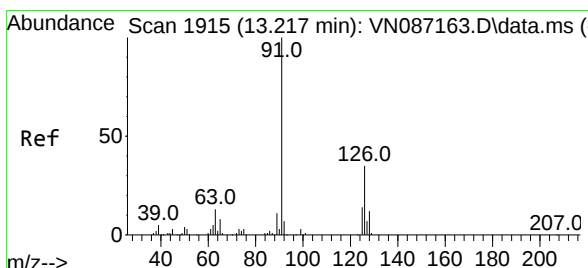
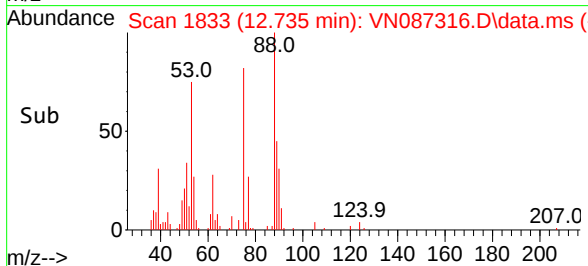
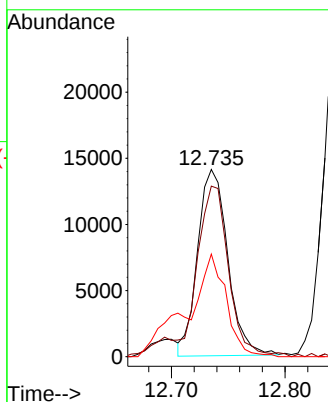
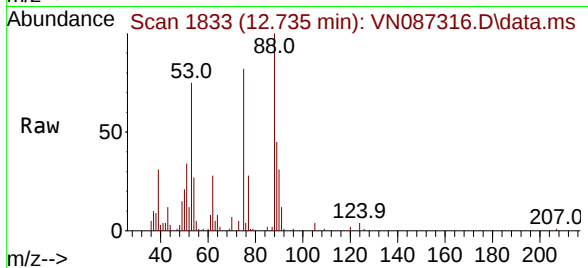
#77
t-1,4-Dichloro-2-butene
Concen: 16.581 ug/l
RT: 12.735 min Scan# 1833
Delta R.T. -0.000 min
Lab File: VN087316.D
Acq: 10 Jul 2025 10:41

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tgt Ion: 75 Resp: 2604
Ion Ratio Lower Upper
75 100
53 90.1 45.9 137.6
89 55.5 22.3 66.9

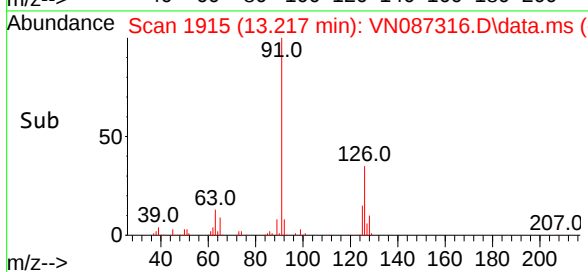
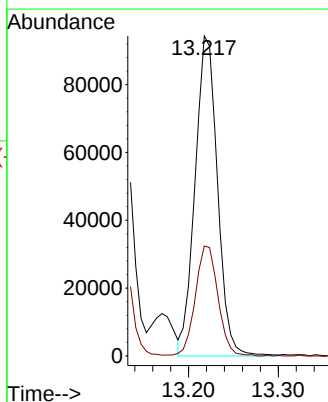
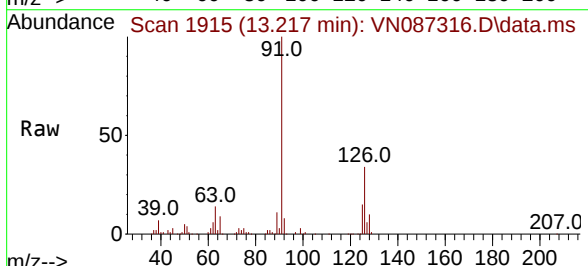
Manual Integrations
APPROVED

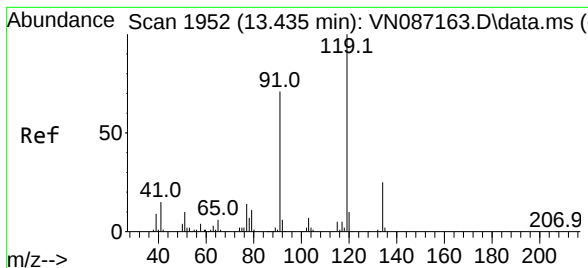
Reviewed By :John Carlone 07/11/2025
Supervised By :Mahesh Dadoda 07/14/2025



#78
4-Chlorotoluene
Concen: 19.016 ug/l
RT: 13.217 min Scan# 1915
Delta R.T. -0.000 min
Lab File: VN087316.D
Acq: 10 Jul 2025 10:41

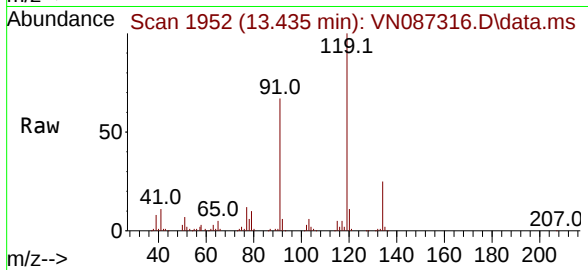
Tgt Ion: 91 Resp: 163977
Ion Ratio Lower Upper
91 100
126 34.6 0.0 65.2





#79
tert-butylbenzene
Concen: 19.386 ug/l
RT: 13.435 min Scan# 1952
Delta R.T. -0.000 min
Lab File: VN087316.D
Acq: 10 Jul 2025 10:41

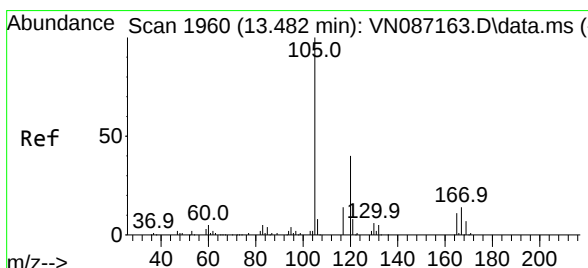
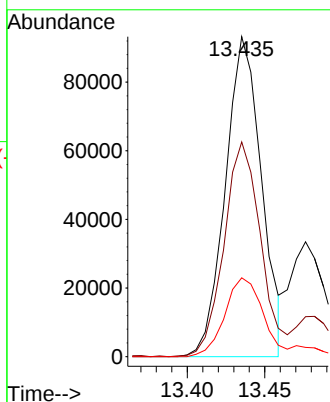
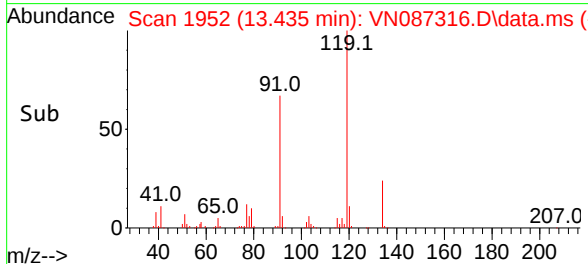
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020



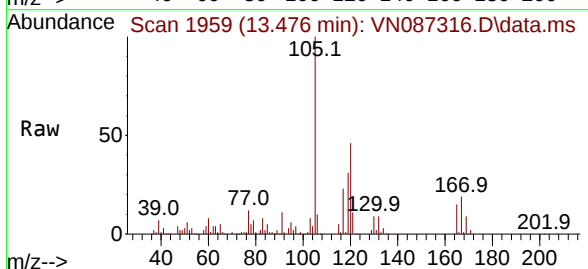
Tgt Ion:119 Resp: 151329
Ion Ratio Lower Upper
119 100
91 68.3 0.0 137.0
134 25.9 0.0 49.4

Manual Integrations
APPROVED

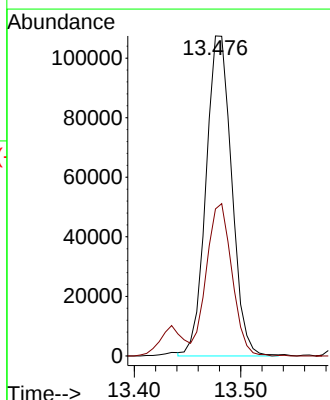
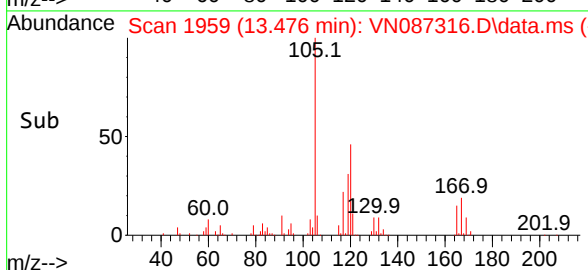
Reviewed By :John Carlone 07/11/2025
Supervised By :Mahesh Dadoda 07/14/2025

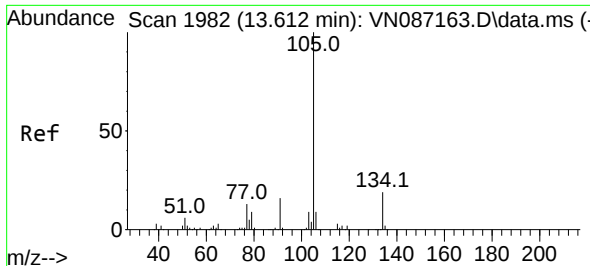


#80
1,2,4-Trimethylbenzene
Concen: 19.327 ug/l
RT: 13.476 min Scan# 1959
Delta R.T. -0.006 min
Lab File: VN087316.D
Acq: 10 Jul 2025 10:41



Tgt Ion:105 Resp: 180227
Ion Ratio Lower Upper
105 100
120 47.2 0.0 94.0





#81
 sec-Butylbenzene
 Concen: 19.132 ug/l
 RT: 13.612 min Scan# 1982
 Delta R.T. 0.000 min
 Lab File: VN087316.D
 Acq: 10 Jul 2025 10:41

Instrument :

MSVOA_N

ClientSampleId :

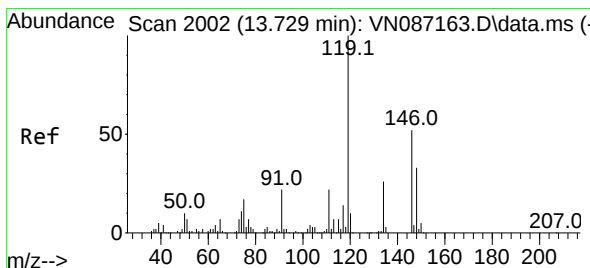
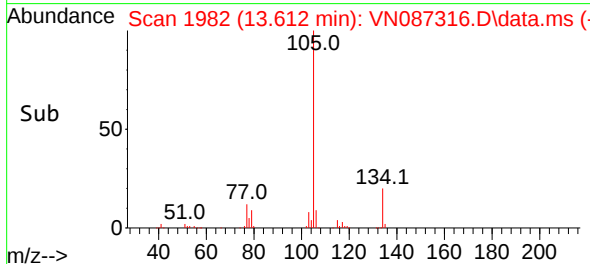
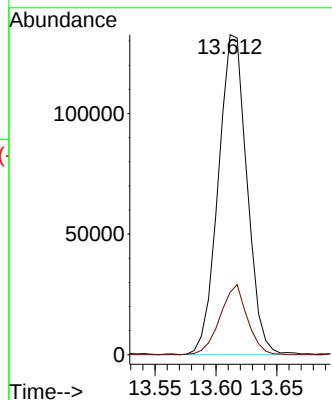
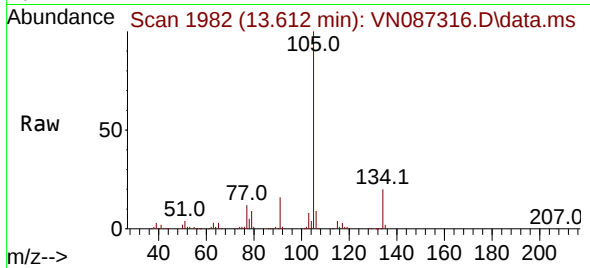
VSTDCCC020

Tgt Ion:105 Resp: 217100
 Ion Ratio Lower Upper
 105 100
 134 20.8 0.0 39.4

Manual Integrations

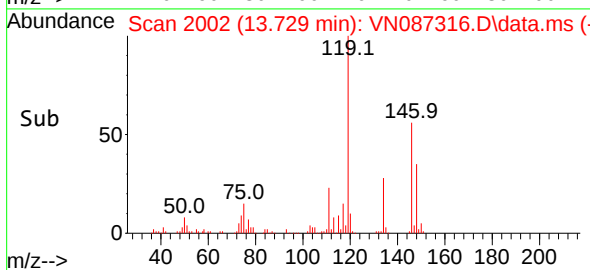
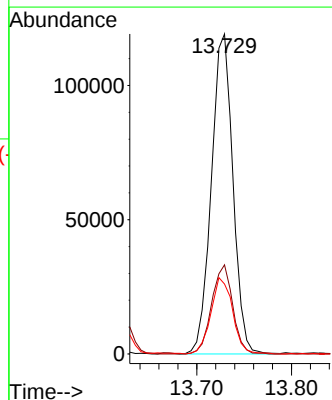
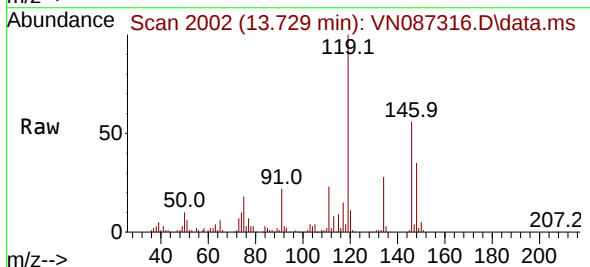
APPROVED

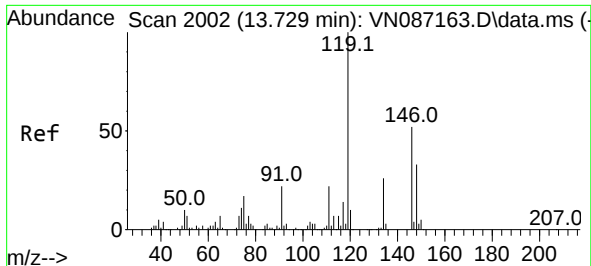
Reviewed By :John Carlone 07/11/2025
 Supervised By :Mahesh Dadoda 07/14/2025



#82
 p-Isopropyltoluene
 Concen: 19.920 ug/l
 RT: 13.729 min Scan# 2002
 Delta R.T. -0.000 min
 Lab File: VN087316.D
 Acq: 10 Jul 2025 10:41

Tgt Ion:119 Resp: 188117
 Ion Ratio Lower Upper
 119 100
 134 27.1 0.0 51.2
 91 24.1 0.0 46.4





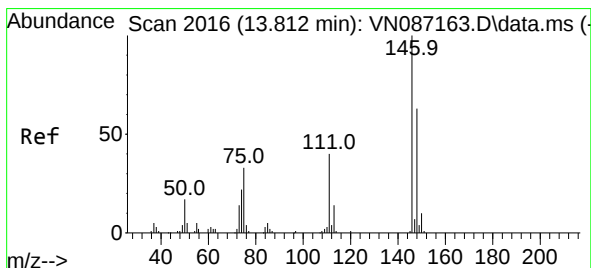
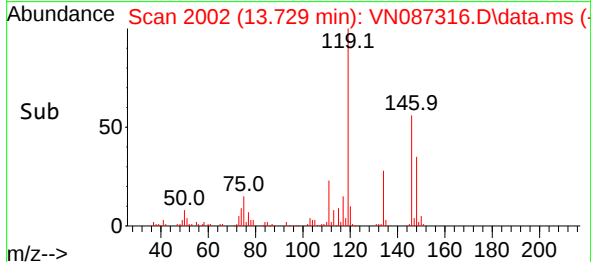
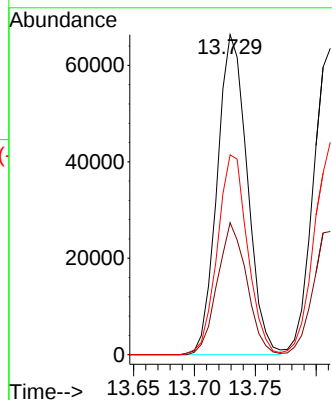
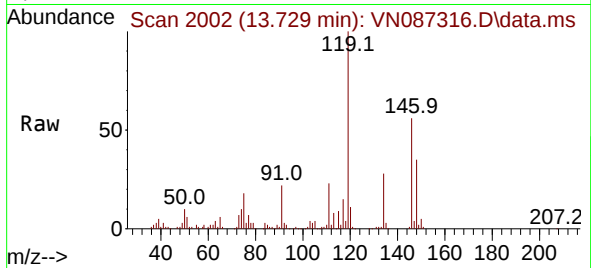
#83
1,3-Dichlorobenzene
Concen: 21.396 ug/l
RT: 13.729 min Scan# 2002
Delta R.T. -0.000 min
Lab File: VN087316.D
Acq: 10 Jul 2025 10:41

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tgt Ion:146 Resp: 11401
Ion Ratio Lower Upper
146 100
111 40.3 21.1 63.3
148 62.7 31.6 94.8

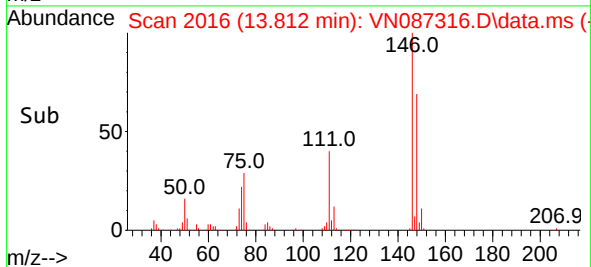
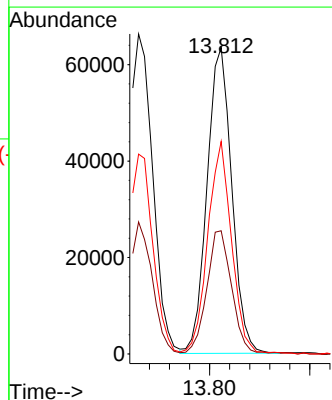
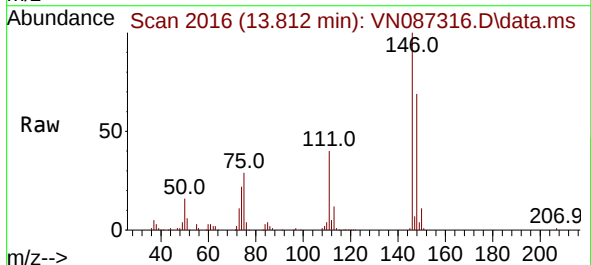
Manual Integrations
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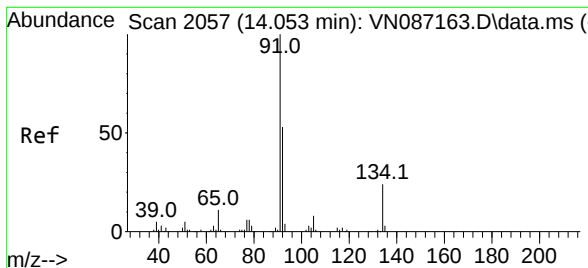
Reviewed By :John Carlone 07/11/2025
Supervised By :Mahesh Dadoda 07/14/2025



#84
1,4-Dichlorobenzene
Concen: 20.281 ug/l
RT: 13.812 min Scan# 2016
Delta R.T. -0.000 min
Lab File: VN087316.D
Acq: 10 Jul 2025 10:41

Tgt Ion:146 Resp: 108762
Ion Ratio Lower Upper
146 100
111 40.5 20.1 60.2
148 65.3 31.4 94.2





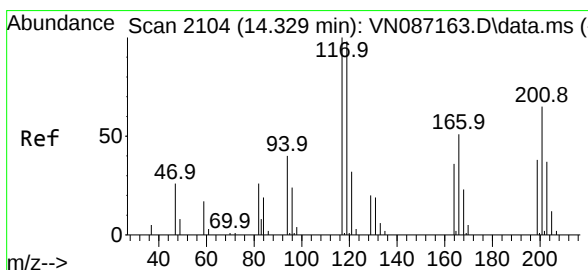
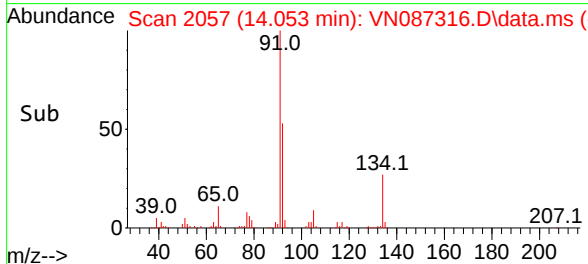
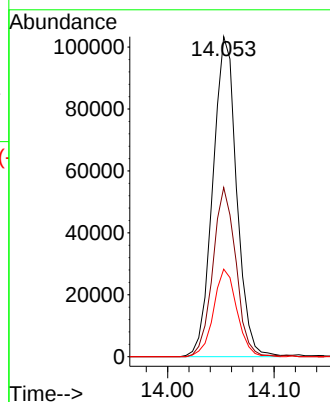
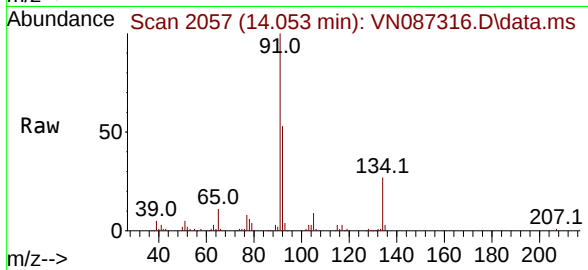
#85
n-Butylbenzene
Concen: 18.624 ug/l
RT: 14.053 min Scan# 2057
Delta R.T. -0.000 min
Lab File: VN087316.D
Acq: 10 Jul 2025 10:41

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tgt Ion: 91 Resp: 16046
Ion Ratio Lower Upper
91 100
92 51.0 0.0 106.4
134 26.9 0.0 48.8

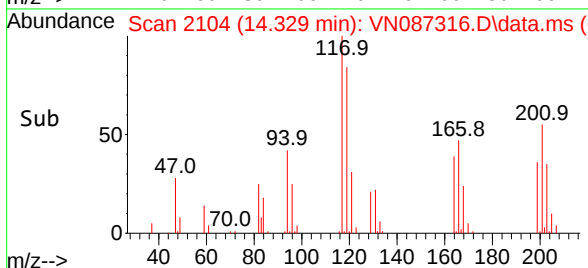
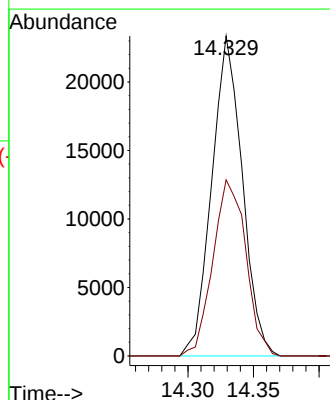
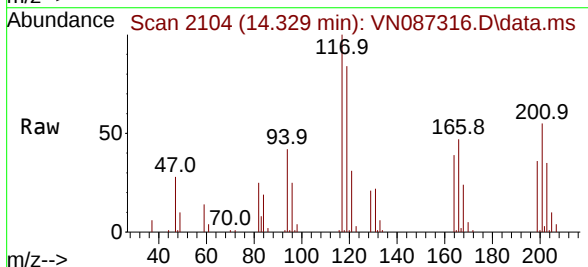
Manual Integrations
APPROVED

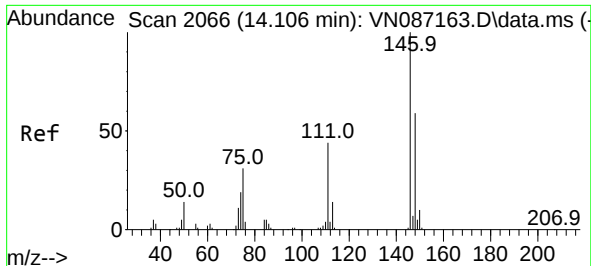
Reviewed By :John Carlone 07/11/2025
Supervised By :Mahesh Dadoda 07/14/2025



#86
Hexachloroethane
Concen: 21.148 ug/l
RT: 14.329 min Scan# 2104
Delta R.T. 0.000 min
Lab File: VN087316.D
Acq: 10 Jul 2025 10:41

Tgt Ion:117 Resp: 37803
Ion Ratio Lower Upper
117 100
201 59.4 30.8 92.3





#87

1,2-Dichlorobenzene

Concen: 21.467 ug/l

RT: 14.100 min Scan# 2066

Delta R.T. -0.006 min

Lab File: VN087316.D

Acq: 10 Jul 2025 10:41

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

Tgt Ion:146 Resp: 10785

Ion Ratio Lower Upper

146 100

111 41.6 22.1 66.1

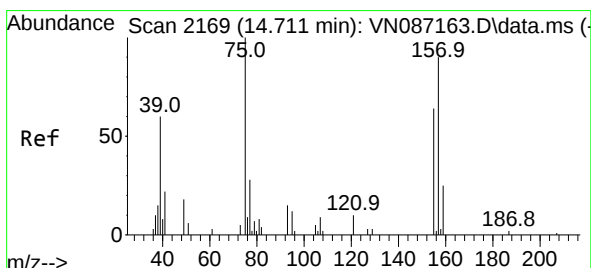
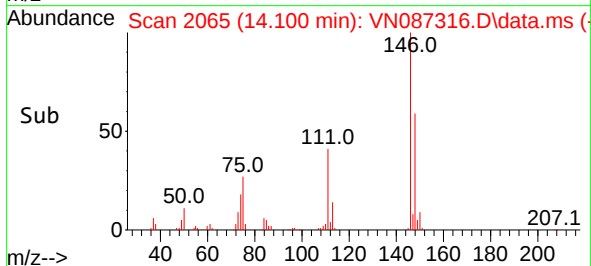
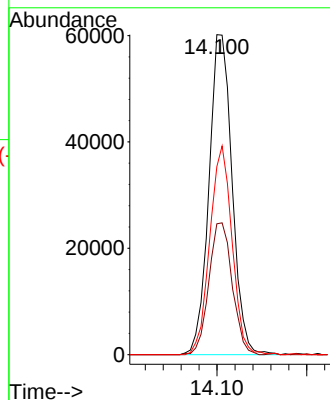
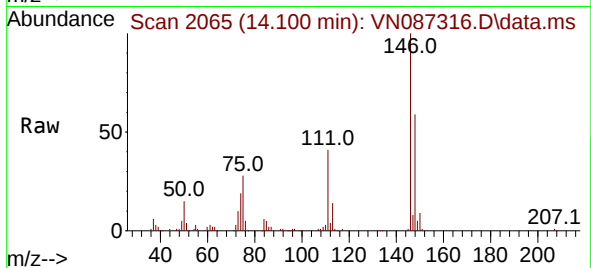
148 62.6 31.6 95.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/11/2025

Supervised By :Mahesh Dadoda 07/14/2025



#88

1,2-Dibromo-3-Chloropropane

Concen: 19.830 ug/l

RT: 14.717 min Scan# 2170

Delta R.T. 0.006 min

Lab File: VN087316.D

Acq: 10 Jul 2025 10:41

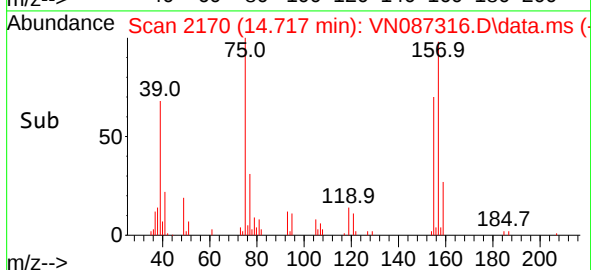
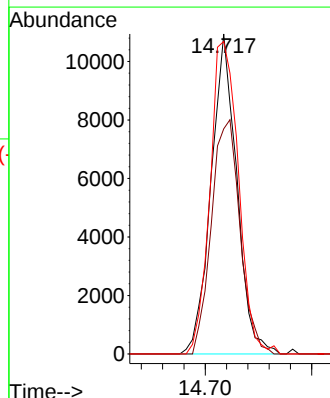
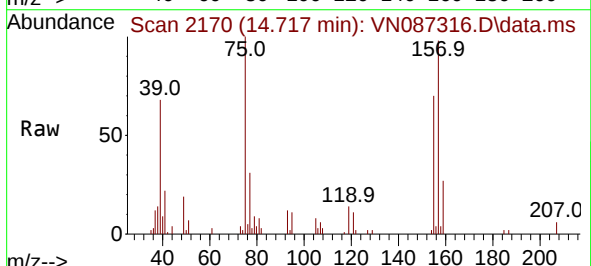
Tgt Ion: 75 Resp: 18334

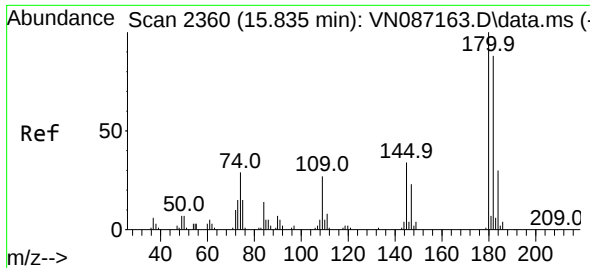
Ion Ratio Lower Upper

75 100

155 81.4 58.3 87.5

157 107.7 79.2 118.8





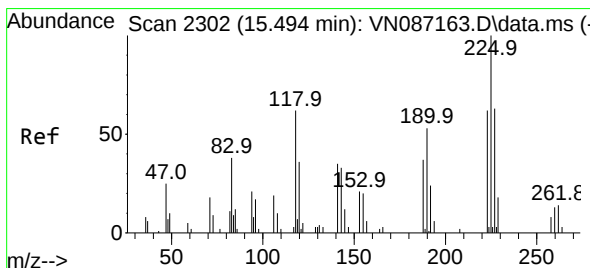
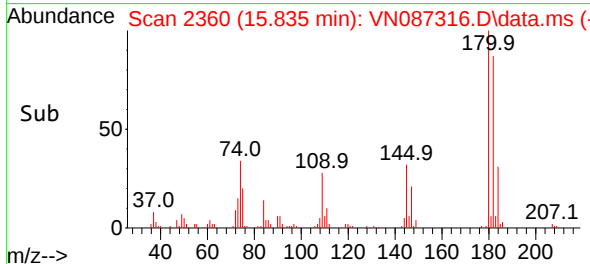
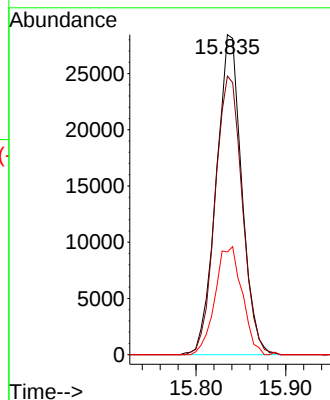
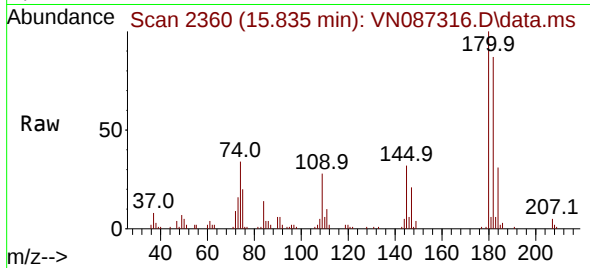
#89
1,2,4-Trichlorobenzene
Concen: 19.816 ug/l
RT: 15.835 min Scan# 2360
Delta R.T. -0.000 min
Lab File: VN087316.D
Acq: 10 Jul 2025 10:41

Instrument : MSVOA_N
ClientSampleId : VSTDCCC020

Tgt Ion:180 Resp: 56329
Ion Ratio Lower Upper
180 100
182 92.0 74.2 111.2
145 35.6 27.6 41.4

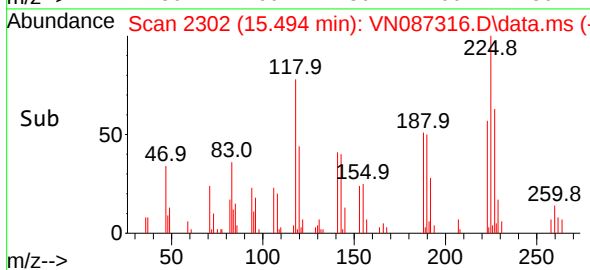
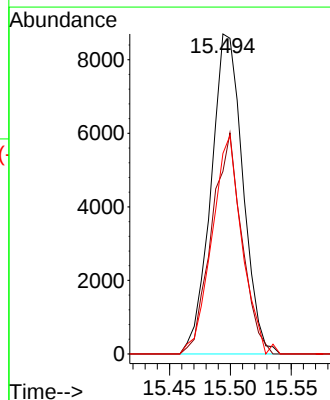
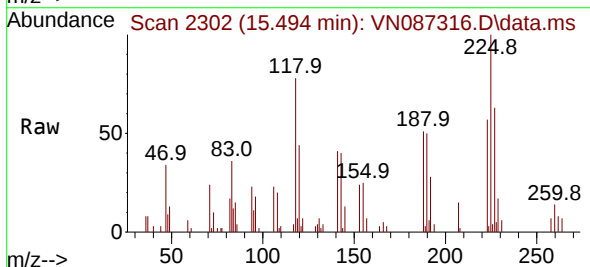
Manual Integrations
APPROVED

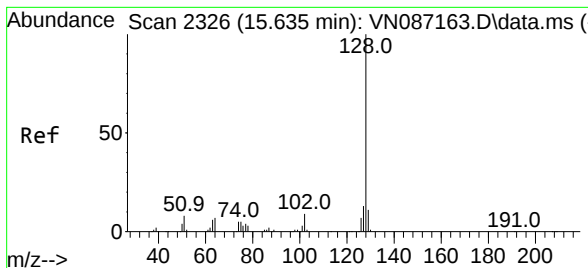
Reviewed By :John Carlone 07/11/2025
Supervised By :Mahesh Dadoda 07/14/2025



#90
Hexachlorobutadiene
Concen: 18.762 ug/l
RT: 15.494 min Scan# 2302
Delta R.T. -0.000 min
Lab File: VN087316.D
Acq: 10 Jul 2025 10:41

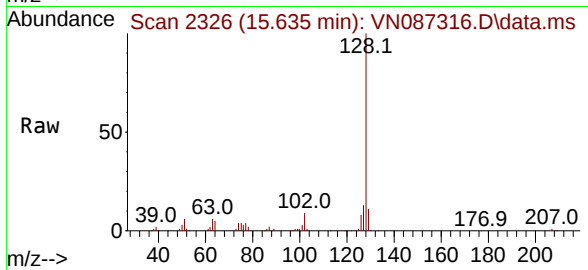
Tgt Ion:225 Resp: 15826
Ion Ratio Lower Upper
225 100
223 65.4 0.0 134.2
227 64.0 0.0 122.6





#91
Naphthalene
Concen: 18.369 ug/l
RT: 15.635 min Scan# 2326
Delta R.T. -0.000 min
Lab File: VN087316.D
Acq: 10 Jul 2025 10:41

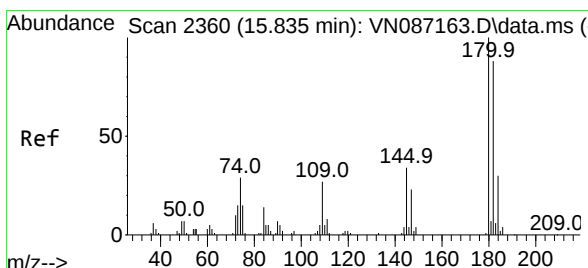
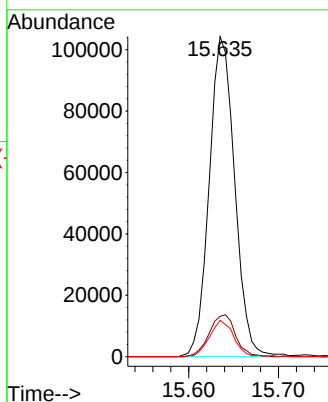
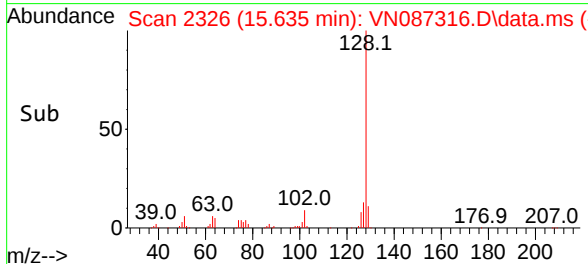
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020



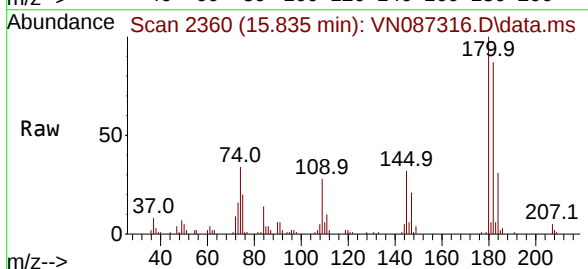
Tgt Ion:128 Resp: 20550
Ion Ratio Lower Upper
128 100
127 13.5 10.6 15.8
129 10.7 8.8 13.2

Manual Integrations
APPROVED

Reviewed By :John Carlone 07/11/2025
Supervised By :Mahesh Dadoda 07/14/2025



#92
1,2,3-Trichlorobenzene
Concen: 19.816 ug/l
RT: 15.835 min Scan# 2360
Delta R.T. -0.000 min
Lab File: VN087316.D
Acq: 10 Jul 2025 10:41



Tgt Ion:180 Resp: 56329
Ion Ratio Lower Upper
180 100
182 92.0 0.0 185.4
145 35.6 0.0 69.0

