

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN071825\
 Data File : VN087366.D
 Acq On : 18 Jul 2025 15:02
 Operator : JC\MD
 Sample : VSTDC0020
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDC0020EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 07/21/2025
 Supervised By : Mahesh Dadoda 07/21/2025

Quant Time: Jul 18 23:21:09 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	7.794	128	39739	30.000	ug/l	-0.03
28) 1,4-Difluorobenzene	9.082	114	205705	30.000	ug/l	-0.02
57) Chlorobenzene-d5	11.847	117	188837	30.000	ug/l	-0.02
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.559	65	99078	33.091	ug/l	-0.02
Spiked Amount 30.000	Range 91 - 110		Recovery = 110.300%#			
60) 4-Bromofluorobenzene	12.829	95	90388	31.019	ug/l	-0.02
Spiked Amount 30.000	Range 63 - 112		Recovery = 103.400%			
63) Toluene-d8	10.547	98	253758	29.929	ug/l	-0.02
Spiked Amount 30.000	Range 91 - 112		Recovery = 99.767%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.142	85	34649	14.485	ug/l	93
3) Chloromethane	2.389	50	42434	17.368	ug/l	98
4) Vinyl Chloride	2.542	62	44038	16.584	ug/l	92
5) Bromomethane	2.983	94	20138	14.290	ug/l	91
6) Chloroethane	3.142	64	28644	20.109	ug/l	94
7) Trichlorofluoromethane	3.512	101	67336	20.673	ug/l	98
8) Diethyl Ether	3.959	74	27846	17.401	ug/l	85
9) 1,1,2-Trichlorotrifluo...	4.365	101	37877	15.685	ug/l #	88
10) 1,1-Dichloroethene	4.336	96	38042	15.803	ug/l	88
11) Methyl Iodide	4.577	142	25827	11.976	ug/l	85
12) Methyl Acetate	5.024	43	80392	21.291	ug/l	96
13) Acrolein	4.177	56	40971	70.615	ug/l	96
14) Acrylonitrile	5.712	53	163062	92.584	ug/l	99
15) Acetone	4.424	58	42381	82.493	ug/l	99
16) Carbon Disulfide	4.694	76	99295	14.108	ug/l	98
17) Allyl chloride	5.012	41	70101	17.656	ug/l	98
18) Methylene Chloride	5.271	84	48629m	17.438	ug/l	
19) trans-1,2-Dichloroethene	5.783	96	42618m	16.189	ug/l	
20) Diisopropyl ether	6.659	45	166807	19.802	ug/l	97
21) 1,1-Dichloroethane	6.559	63	91146	18.104	ug/l	98
22) cis-1,2-Dichloroethene	7.477	96	54092	17.655	ug/l	98
23) tert-Butyl Alcohol	5.530	59	56942	85.968	ug/l #	100
24) Methyl tert-Butyl Ether	5.789	73	160988	19.068	ug/l	99
25) Chloroform	7.953	83	95477	19.795	ug/l	98
26) Cyclohexane	8.247	56	64331	15.372	ug/l #	96
29) 1,1-Dichloropropene	8.359	75	58874	18.363	ug/l	98
30) 2-Butanone	7.471	43	231573	107.073	ug/l	96
31) 2,2-Dichloropropane	7.477	77	76507	19.768	ug/l	97
32) 1,1,1-Trichloroethane	8.153	97	78841	21.048	ug/l	97
33) Carbon Tetrachloride	8.347	117	65186	20.680	ug/l	97
34) Benzene	8.588	78	193652	19.065	ug/l	97
35) Methacrylonitrile	7.765	41	48937	22.452	ug/l	96
36) 1,2-Dichloroethane	8.659	62	74223	22.616	ug/l	98
37) Trichloroethene	9.335	130	46803	19.977	ug/l	97
38) Methylcyclohexane	9.582	83	61719	16.777	ug/l	98
39) 1,2-Dichloropropane	9.606	63	53495	20.983	ug/l	93
40) Dibromomethane	9.688	93	36400	20.997	ug/l	97
41) Bromodichloromethane	9.871	83	77662	22.195	ug/l	97
42) Vinyl Acetate	6.594	43	690434	98.151	ug/l	99

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 Sample : VSTDCCC020
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

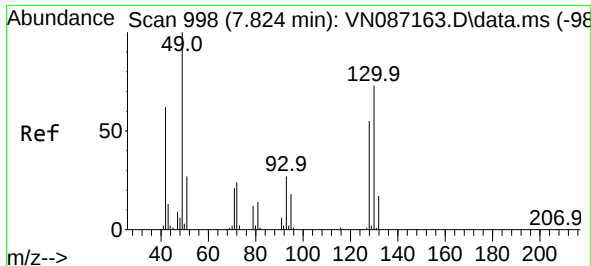
Manual Integrations
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Reviewed By : John Carlone 07/21/2025
 Supervised By : Mahesh Dadoda 07/21/2025

Quant Time: Jul 18 23:21:09 2025
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 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
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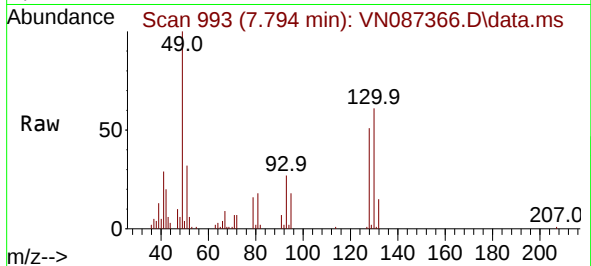
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	7.553	43	88230	22.598	ug/l	94
44) Isopropyl Acetate	8.677	43	140611	22.105	ug/l	98
45) 1,4-Dioxane	9.688	88	16962	394.185	ug/l #	92
46) Methyl methacrylate	9.665	41	67280	22.752	ug/l	88
47) n-amyl Acetate	12.523	43	72641m	18.678	ug/l	
48) t-1,3-Dichloropropene	10.818	75	78646	20.162	ug/l	97
49) cis-1,3-Dichloropropene	10.294	75	84567	20.393	ug/l	96
50) 1,1,2-Trichloroethane	10.994	97	52137	21.172	ug/l	94
51) Ethyl methacrylate	10.859	69	77016	20.548	ug/l	93
52) 1,3-Dichloropropane	11.147	76	87477	20.692	ug/l	99
53) Dibromochloromethane	11.341	129	56431	21.831	ug/l	96
54) 1,2-Dibromoethane	11.453	107	51688	20.345	ug/l	99
55) 2-Chloroethyl vinyl ether	10.141	63	218798	101.843	ug/l	99
56) Bromoform	12.559	173	36430	20.501	ug/l #	97
58) 4-Methyl-2-Pentanone	10.429	43	466967	123.005	ug/l	94
59) 2-Hexanone	11.182	43	308090	125.680	ug/l	90
61) Tetrachloroethene	11.088	164	38307	20.484	ug/l	84
62) Toluene	10.612	91	208125	19.514	ug/l	99
64) Chlorobenzene	11.870	112	132857	19.529	ug/l	100
65) 1,1,1,2-Tetrachloroethane	11.941	131	47062	20.936	ug/l	96
66) Ethyl Benzene	11.941	91	216892	18.580	ug/l	97
67) m/p-Xylenes	12.053	106	170855	38.194	ug/l	97
68) o-Xylene	12.376	106	82143	19.247	ug/l	99
69) Styrene	12.388	104	142002	19.381	ug/l	98
70) Isopropylbenzene	12.676	105	209371	19.698	ug/l	98
71) 1,1,2,2-Tetrachloroethane	12.917	83	81104	21.199	ug/l	99
72) 1,2,3-Trichloropropane	12.976	75	78207m	23.705	ug/l	
73) Bromobenzene	12.965	156	53362	20.696	ug/l	95
74) n-propylbenzene	13.017	91	261124	20.109	ug/l	99
75) 2-Chlorotoluene	13.106	91	158474	20.201	ug/l	99
76) 1,3,5-Trimethylbenzene	13.153	105	178464	20.625	ug/l	98
77) t-1,4-Dichloro-2-butene	12.723	75	24483	16.730	ug/l	93
78) 4-Chlorotoluene	13.200	91	170450	21.214	ug/l	98
79) tert-butylbenzene	13.417	119	154523	21.245	ug/l	98
80) 1,2,4-Trimethylbenzene	13.459	105	185948	21.401	ug/l	95
81) sec-Butylbenzene	13.594	105	219360	20.746	ug/l	99
82) p-Isopropyltoluene	13.706	119	189305	21.514	ug/l	98
83) 1,3-Dichlorobenzene	13.712	146	102517	20.648	ug/l	99
84) 1,4-Dichlorobenzene	13.788	146	102332	20.479	ug/l	97
85) n-Butylbenzene	14.035	91	172341	21.467	ug/l	99
86) Hexachloroethane	14.311	117	34549	20.743	ug/l	96
87) 1,2-Dichlorobenzene	14.082	146	100966	21.567	ug/l	99
88) 1,2-Dibromo-3-Chloropr...	14.694	75	17987	20.879	ug/l	96
89) 1,2,4-Trichlorobenzene	15.817	180	57700	21.785	ug/l	96
90) Hexachlorobutadiene	15.476	225	23839	30.331	ug/l	95
91) Naphthalene	15.611	128	200523	19.237	ug/l	100
92) 1,2,3-Trichlorobenzene	15.817	180	57700	21.785	ug/l	96

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



#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.794 min Scan# 91
Delta R.T. -0.030 min
Lab File: VN087366.D
Acq: 18 Jul 2025 15:02

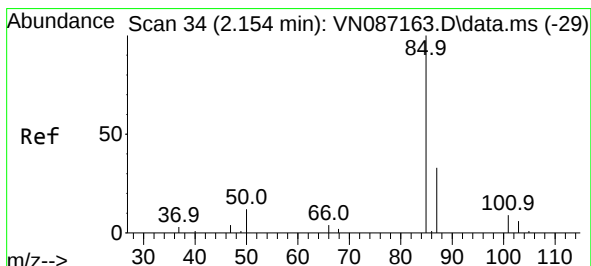
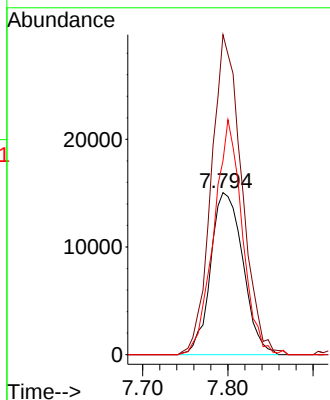
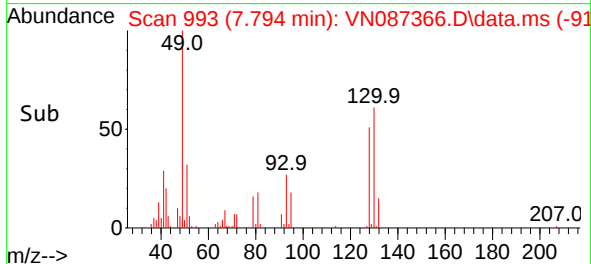
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



Tgt Ion:128 Resp: 39739
Ion Ratio Lower Upper
128 100
49 185.7 0.0 450.5
130 126.5 0.0 320.7

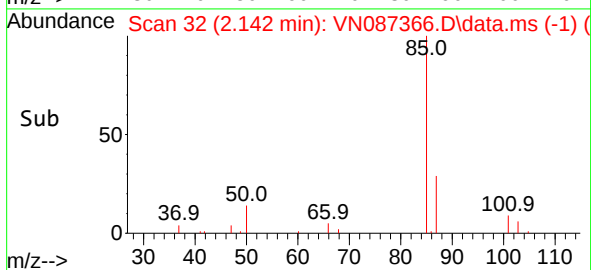
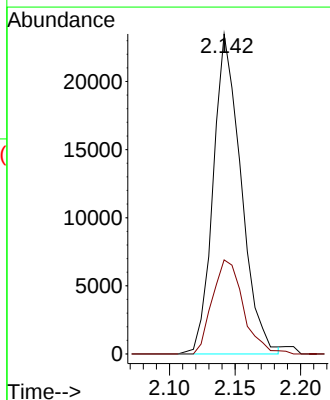
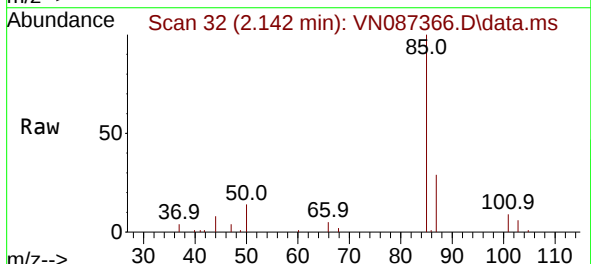
Manual Integrations
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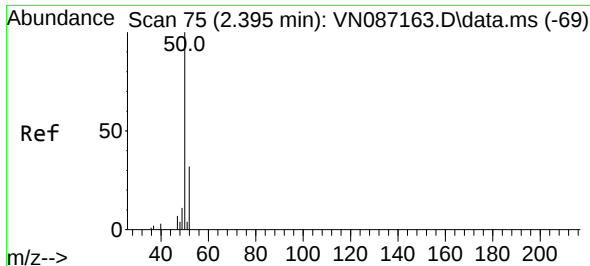
Reviewed By :John Carlone 07/21/2025
Supervised By :Mahesh Dadoda 07/21/2025



#2
Dichlorodifluoromethane
Concen: 14.485 ug/l
RT: 2.142 min Scan# 32
Delta R.T. -0.012 min
Lab File: VN087366.D
Acq: 18 Jul 2025 15:02

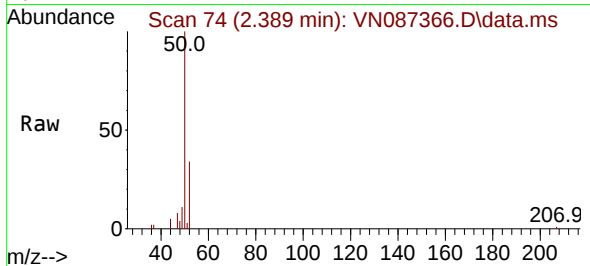
Tgt Ion: 85 Resp: 34649
Ion Ratio Lower Upper
85 100
87 29.4 16.7 50.0





#3
Chloromethane
Concen: 17.368 ug/l
RT: 2.389 min Scan# 74
Delta R.T. -0.006 min
Lab File: VN087366.D
Acq: 18 Jul 2025 15:02

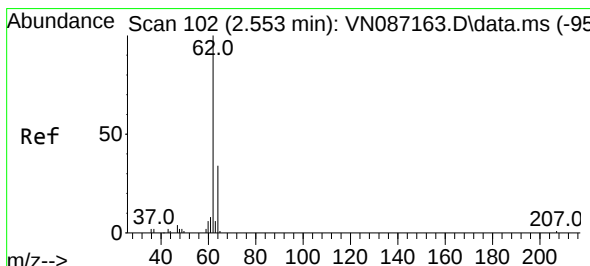
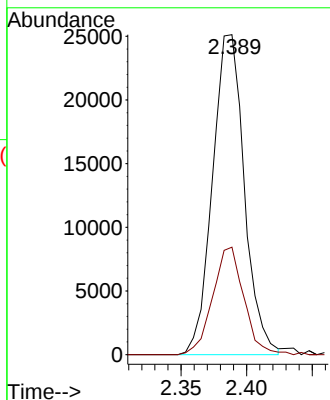
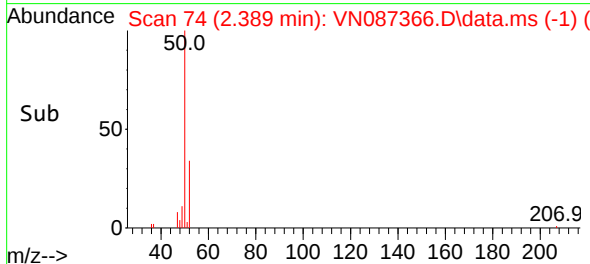
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



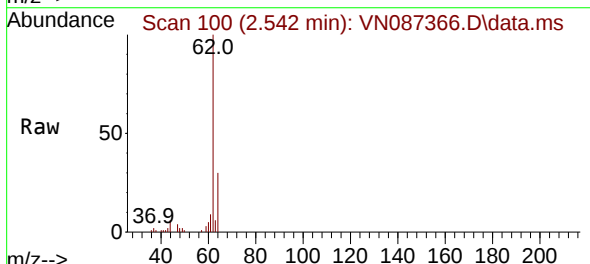
Tgt Ion: 50 Resp: 42434
Ion Ratio Lower Upper
50 100
52 33.6 25.9 38.9

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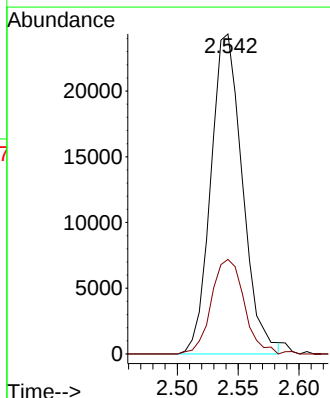
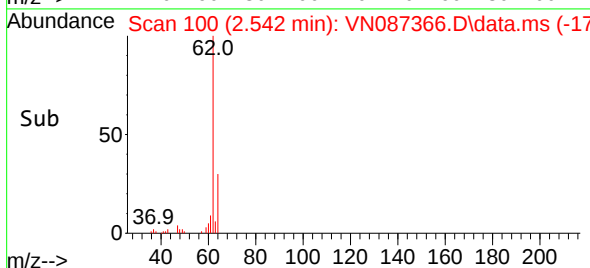
Reviewed By :John Carlone 07/21/2025
Supervised By :Mahesh Dadoda 07/21/2025

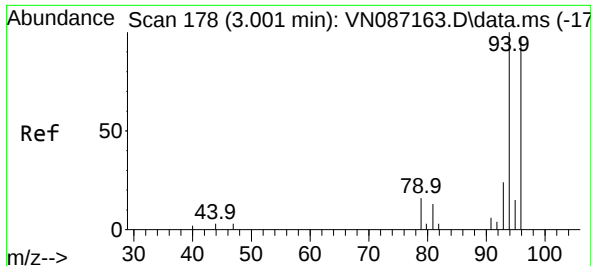


#4
Vinyl Chloride
Concen: 16.584 ug/l
RT: 2.542 min Scan# 100
Delta R.T. -0.012 min
Lab File: VN087366.D
Acq: 18 Jul 2025 15:02



Tgt Ion: 62 Resp: 44038
Ion Ratio Lower Upper
62 100
64 29.6 27.4 41.2





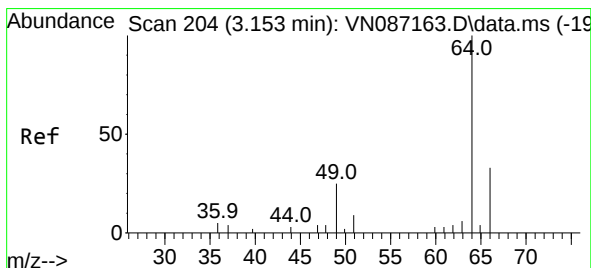
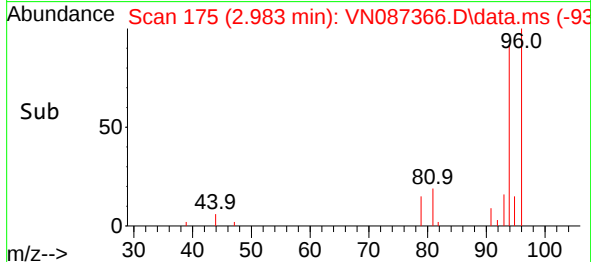
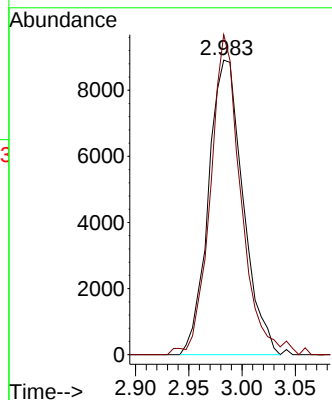
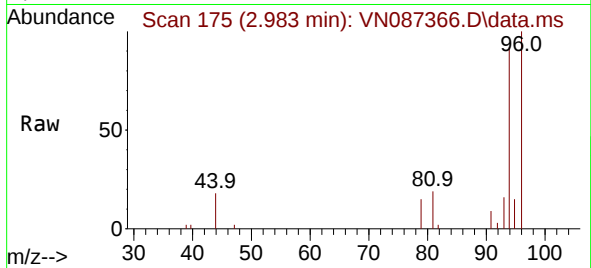
#5
Bromomethane
Concen: 14.290 ug/l
RT: 2.983 min Scan# 11
Delta R.T. -0.018 min
Lab File: VN087366.D
Acq: 18 Jul 2025 15:02

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tgt Ion: 94 Resp: 20138
Ion Ratio Lower Upper
94 100
96 106.5 77.9 116.9

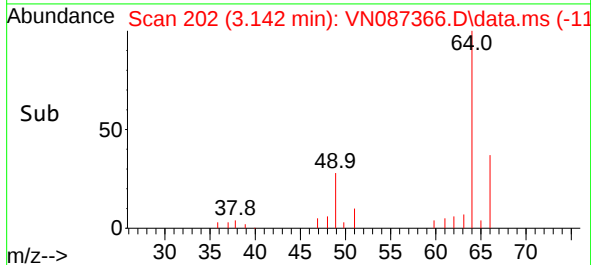
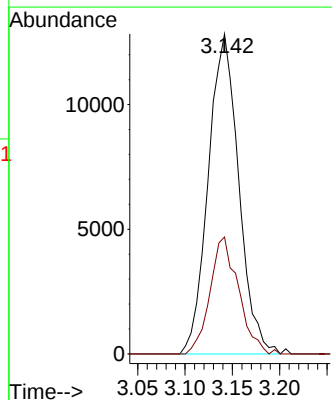
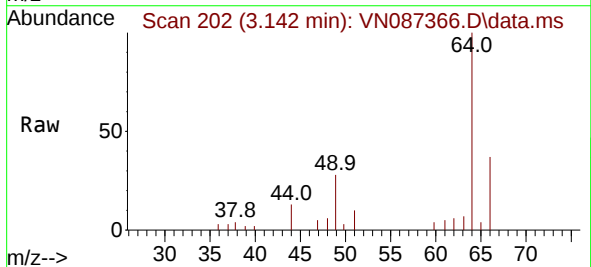
Manual Integrations
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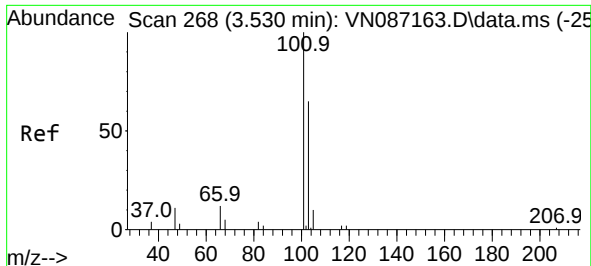
Reviewed By :John Carlone 07/21/2025
Supervised By :Mahesh Dadoda 07/21/2025



#6
Chloroethane
Concen: 20.109 ug/l
RT: 3.142 min Scan# 202
Delta R.T. -0.012 min
Lab File: VN087366.D
Acq: 18 Jul 2025 15:02

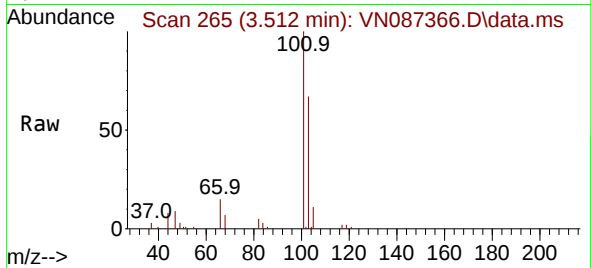
Tgt Ion: 64 Resp: 28644
Ion Ratio Lower Upper
64 100
66 36.6 26.4 39.6





#7
Trichlorofluoromethane
Concen: 20.673 ug/l
RT: 3.512 min Scan# 20
Delta R.T. -0.018 min
Lab File: VN087366.D
Acq: 18 Jul 2025 15:02

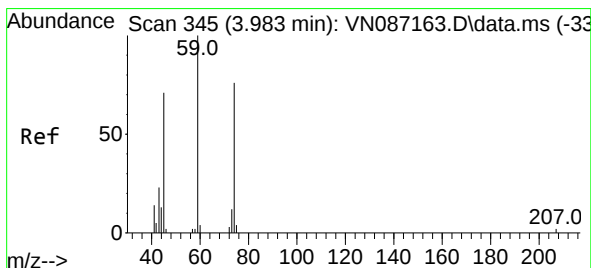
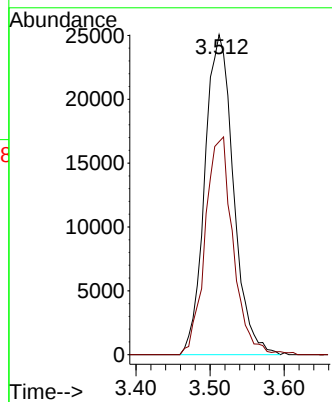
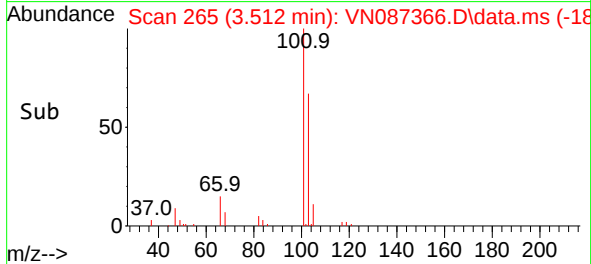
Instrument :
MSVOA_N
ClientSampleId :
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Tgt Ion:101 Resp: 67330
Ion Ratio Lower Upper
101 100
103 66.5 51.8 77.8

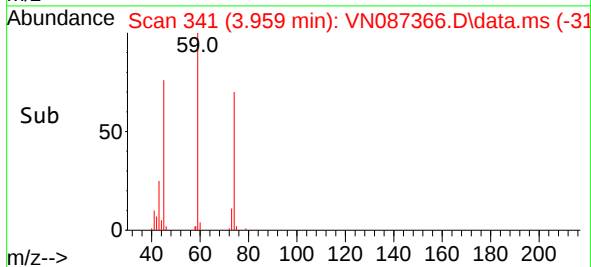
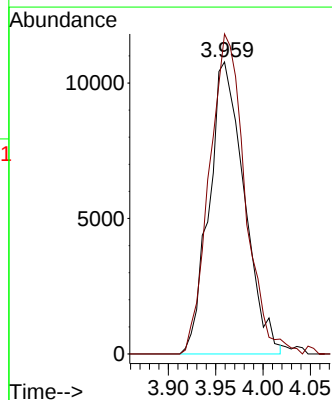
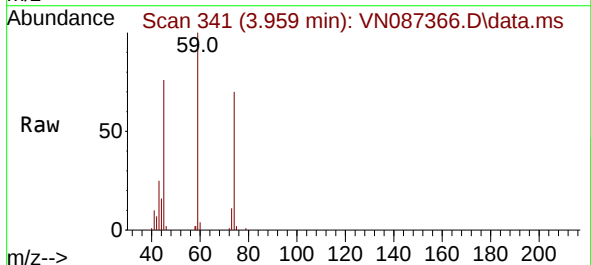
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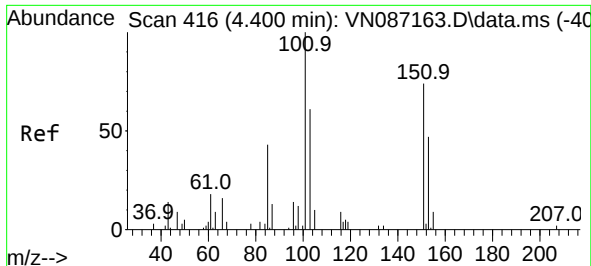
Reviewed By :John Carlone 07/21/2025
Supervised By :Mahesh Dadoda 07/21/2025



#8
Diethyl Ether
Concen: 17.401 ug/l
RT: 3.959 min Scan# 341
Delta R.T. -0.024 min
Lab File: VN087366.D
Acq: 18 Jul 2025 15:02

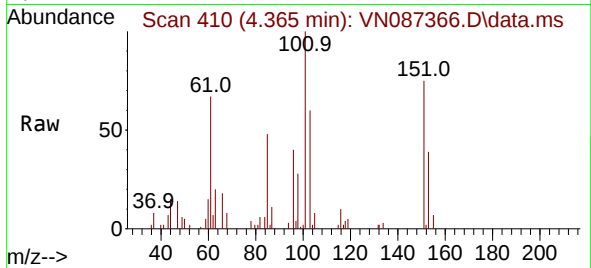
Tgt Ion: 74 Resp: 27846
Ion Ratio Lower Upper
74 100
45 109.7 19.0 171.0





#9
1,1,2-Trichlorotrifluoroethane
Concen: 15.685 ug/l
RT: 4.365 min Scan# 416
Delta R.T. -0.035 min
Lab File: VN087366.D
Acq: 18 Jul 2025 15:02

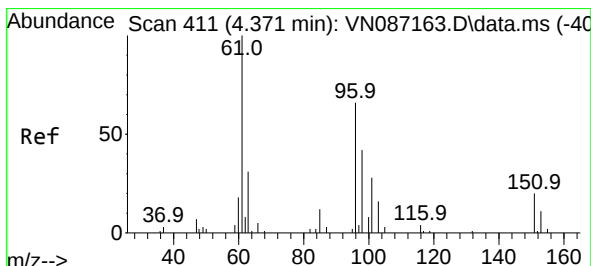
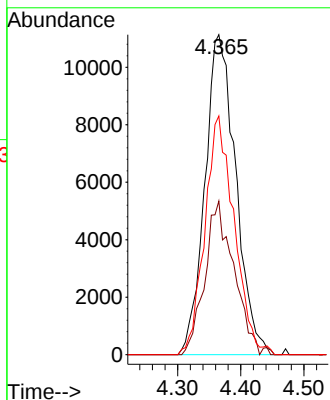
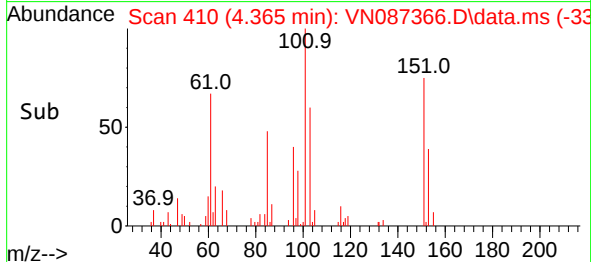
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



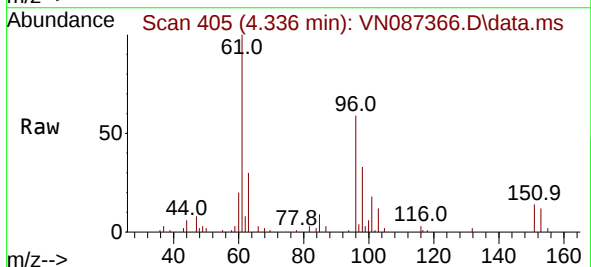
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Ion Ratio Lower Upper
101 100
85 44.9 0.0 40.6
151 70.2 0.0 141.2

Manual Integrations
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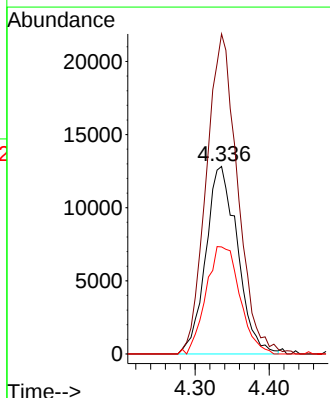
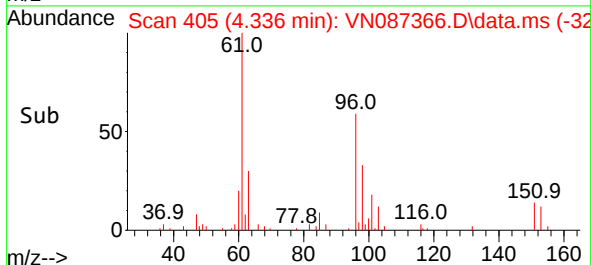
Reviewed By :John Carlone 07/21/2025
Supervised By :Mahesh Dadoda 07/21/2025

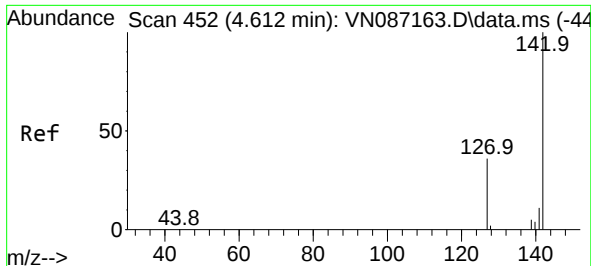


#10
1,1-Dichloroethene
Concen: 15.803 ug/l
RT: 4.336 min Scan# 405
Delta R.T. -0.035 min
Lab File: VN087366.D
Acq: 18 Jul 2025 15:02



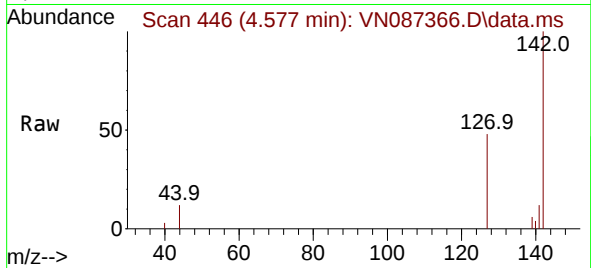
Tgt Ion: 96 Resp: 38042
Ion Ratio Lower Upper
96 100
61 170.6 122.0 183.0
98 57.1 50.3 75.5





#11
Methyl Iodide
Concen: 11.976 ug/l
RT: 4.577 min Scan# 44
Delta R.T. -0.035 min
Lab File: VN087366.D
Acq: 18 Jul 2025 15:02

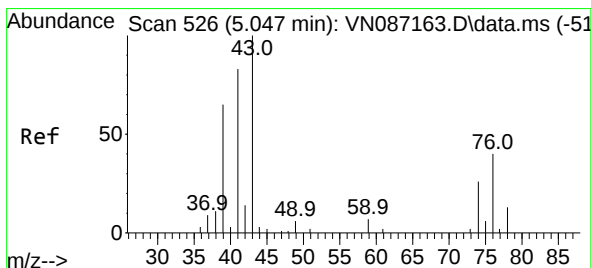
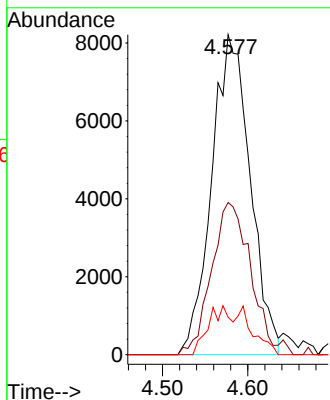
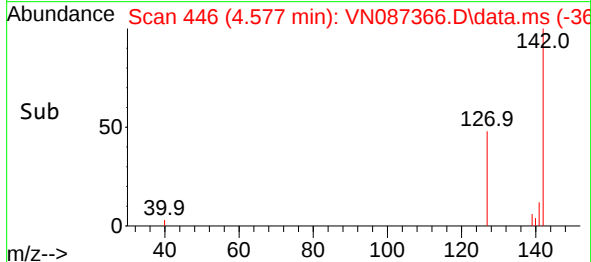
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



Tgt Ion:142 Resp: 2582
Ion Ratio Lower Upper
142 100
127 47.3 18.1 54.1
141 12.0 5.7 17.1

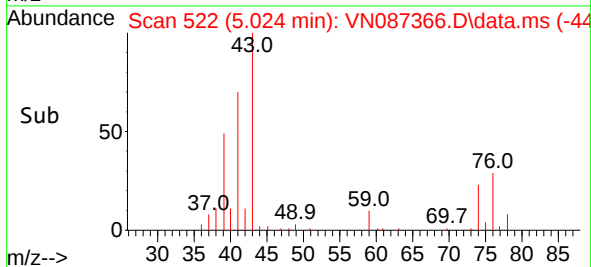
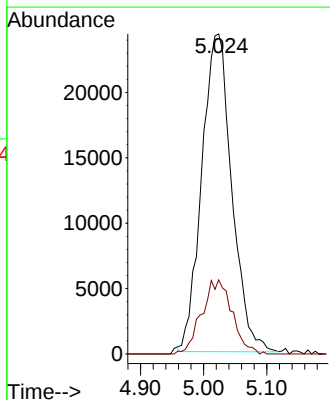
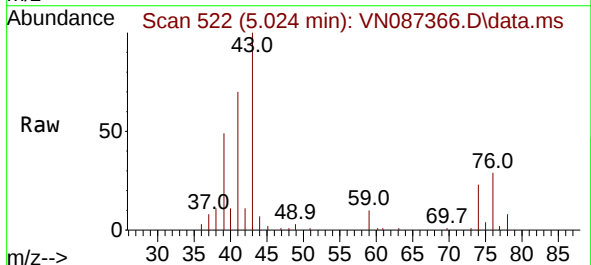
Manual Integrations
APPROVED

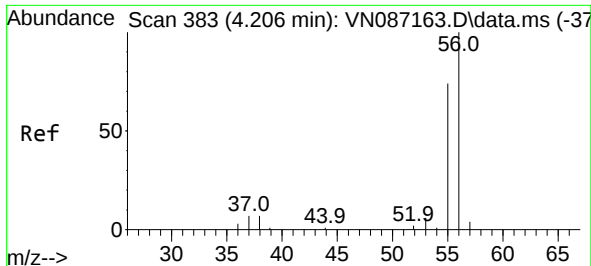
Reviewed By :John Carlone 07/21/2025
Supervised By :Mahesh Dadoda 07/21/2025



#12
Methyl Acetate
Concen: 21.291 ug/l
RT: 5.024 min Scan# 522
Delta R.T. -0.024 min
Lab File: VN087366.D
Acq: 18 Jul 2025 15:02

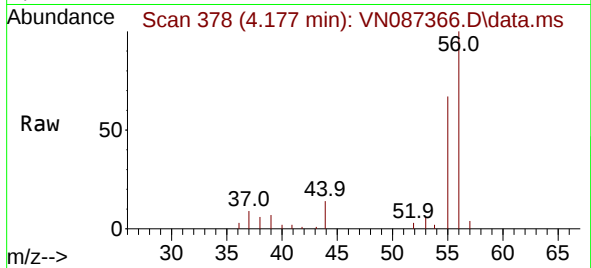
Tgt Ion: 43 Resp: 80392
Ion Ratio Lower Upper
43 100
74 23.1 20.3 30.5





#13
Acrolein
Concen: 70.615 ug/l
RT: 4.177 min Scan# 31
Delta R.T. -0.029 min
Lab File: VN087366.D
Acq: 18 Jul 2025 15:02

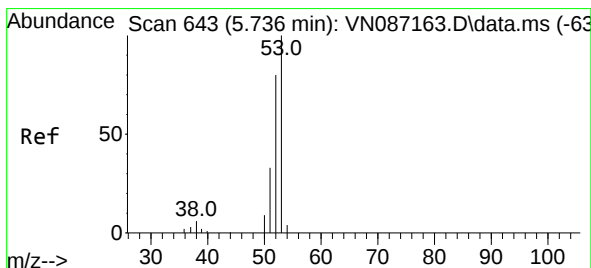
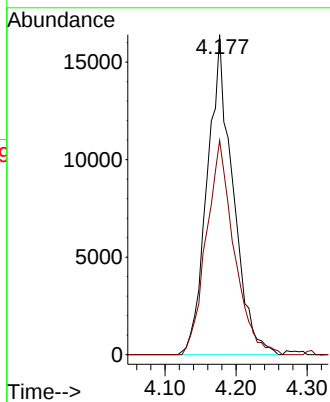
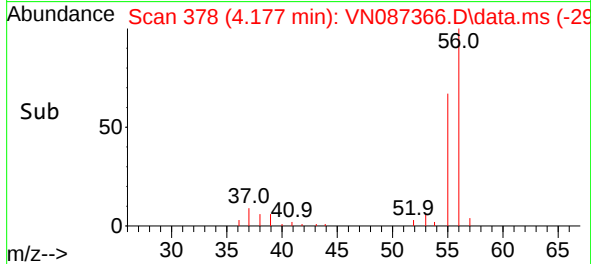
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



Tgt Ion: 56 Resp: 4097
Ion Ratio Lower Upper
56 100
55 72.7 55.7 83.5

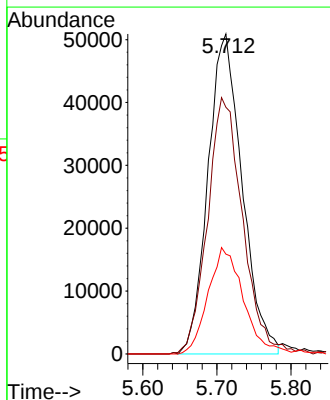
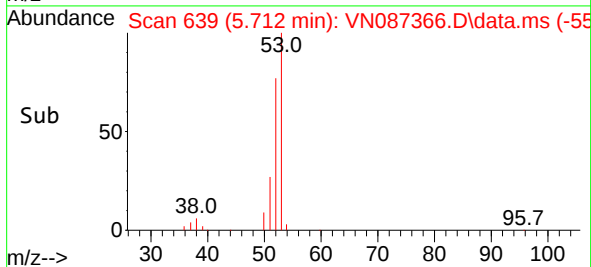
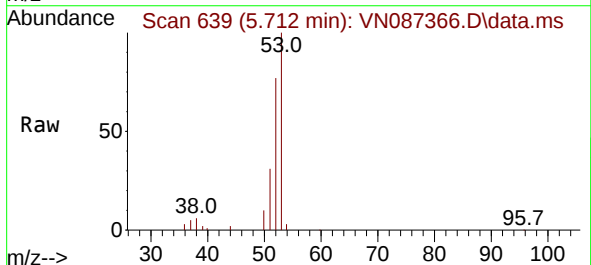
Manual Integrations
APPROVED

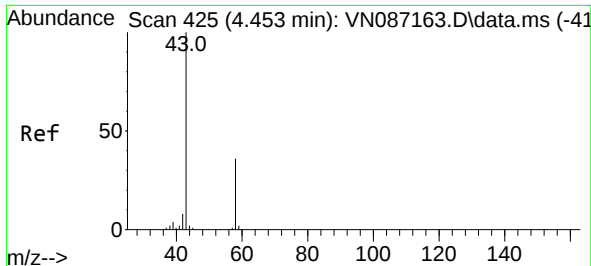
Reviewed By :John Carlone 07/21/2025
Supervised By :Mahesh Dadoda 07/21/2025



#14
Acrylonitrile
Concen: 92.584 ug/l
RT: 5.712 min Scan# 639
Delta R.T. -0.024 min
Lab File: VN087366.D
Acq: 18 Jul 2025 15:02

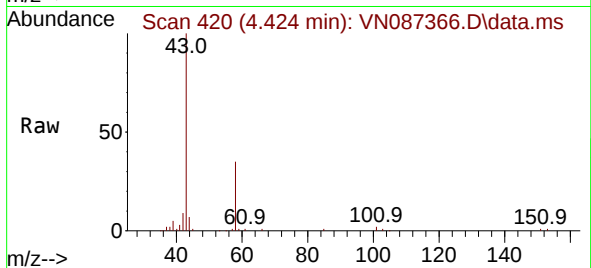
Tgt Ion: 53 Resp: 163062
Ion Ratio Lower Upper
53 100
52 81.4 40.5 121.5
51 34.3 16.9 50.7





#15
Acetone
Concen: 82.493 ug/l
RT: 4.424 min Scan# 41
Delta R.T. -0.029 min
Lab File: VN087366.D
Acq: 18 Jul 2025 15:02

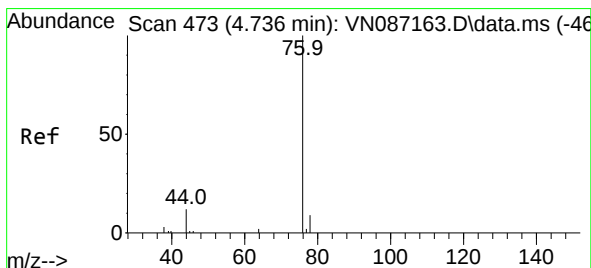
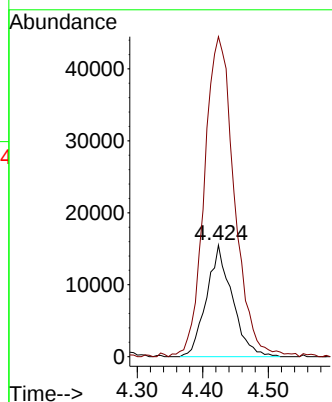
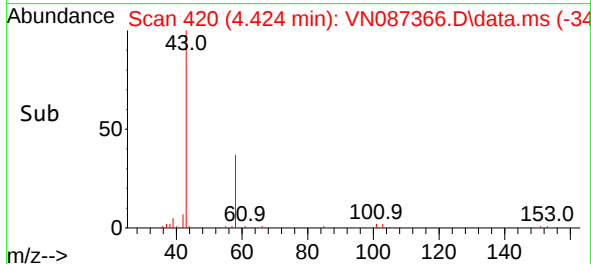
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



Tgt Ion: 58 Resp: 4238
Ion Ratio Lower Upper
58 100
43 282.8 224.3 336.5

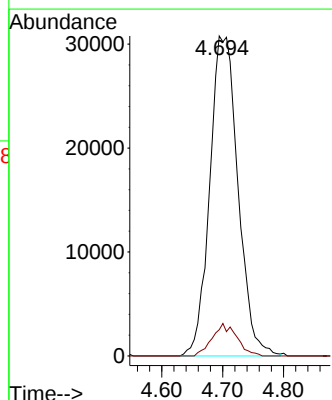
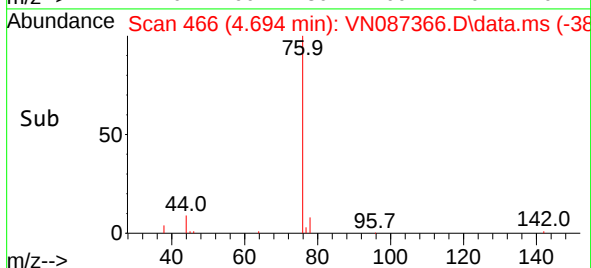
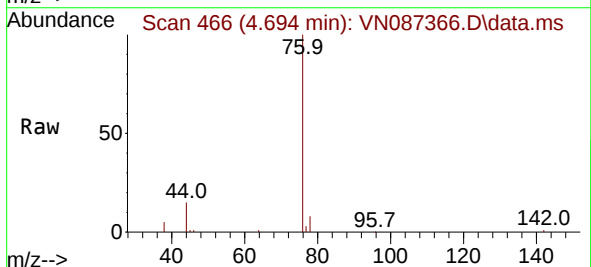
Manual Integrations
APPROVED

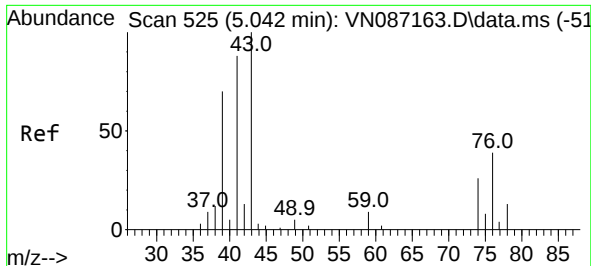
Reviewed By :John Carlone 07/21/2025
Supervised By :Mahesh Dadoda 07/21/2025



#16
Carbon Disulfide
Concen: 14.108 ug/l
RT: 4.694 min Scan# 466
Delta R.T. -0.041 min
Lab File: VN087366.D
Acq: 18 Jul 2025 15:02

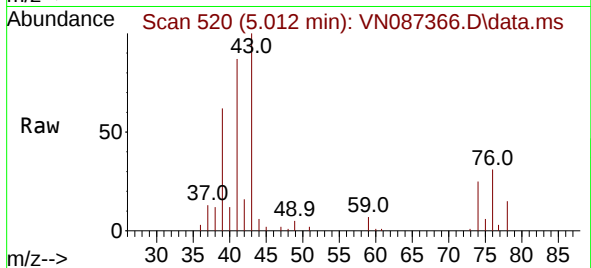
Tgt Ion: 76 Resp: 99295
Ion Ratio Lower Upper
76 100
78 8.2 7.2 10.8





#17
 Allyl chloride
 Concen: 17.656 ug/l
 RT: 5.012 min Scan# 51
 Delta R.T. -0.029 min
 Lab File: VN087366.D
 Acq: 18 Jul 2025 15:02

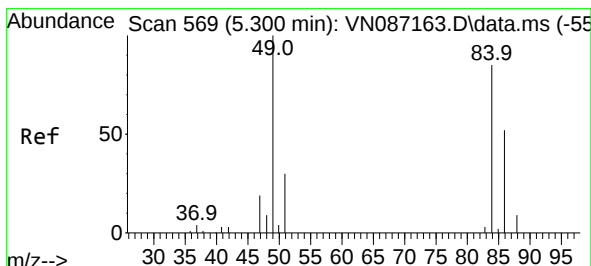
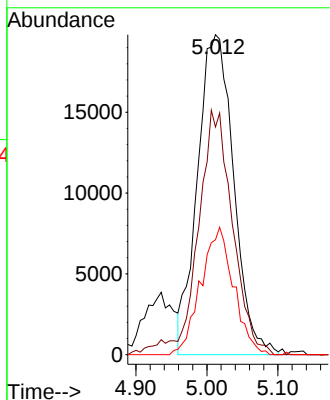
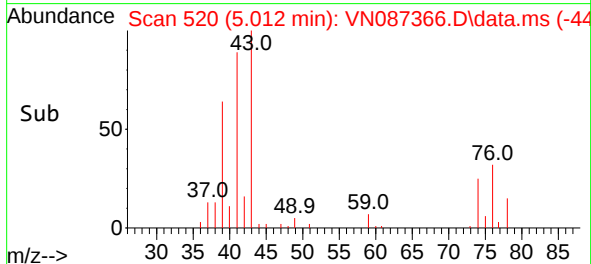
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC



Tgt Ion: 41 Resp: 7010
 Ion Ratio Lower Upper
 41 100
 39 71.8 36.0 108.0
 76 36.2 19.5 58.5

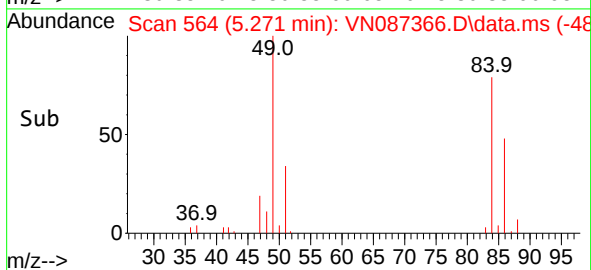
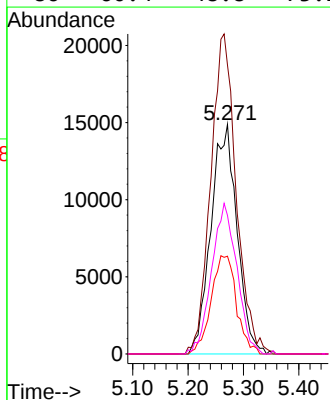
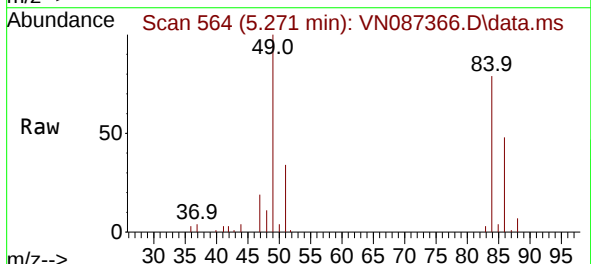
Manual Integrations
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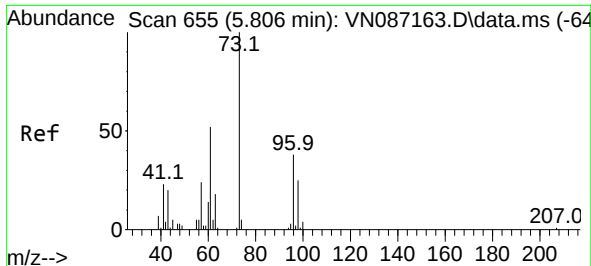
Reviewed By :John Carlone 07/21/2025
 Supervised By :Mahesh Dadoda 07/21/2025



#18
 Methylene Chloride
 Concen: 17.438 ug/l m
 RT: 5.271 min Scan# 564
 Delta R.T. -0.029 min
 Lab File: VN087366.D
 Acq: 18 Jul 2025 15:02

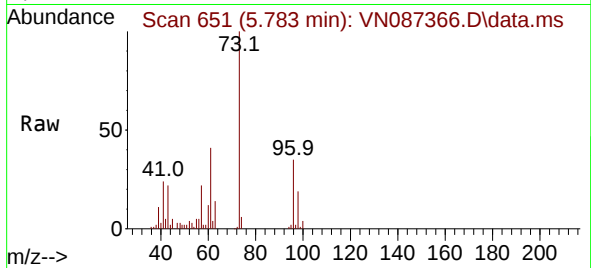
Tgt Ion: 84 Resp: 48629
 Ion Ratio Lower Upper
 84 100
 49 125.9 94.0 141.0
 51 42.6 28.3 42.5#
 86 60.4 48.8 73.2





#19
trans-1,2-Dichloroethene
Concen: 16.189 ug/l m
RT: 5.783 min Scan# 61
Delta R.T. -0.024 min
Lab File: VN087366.D
Acq: 18 Jul 2025 15:02

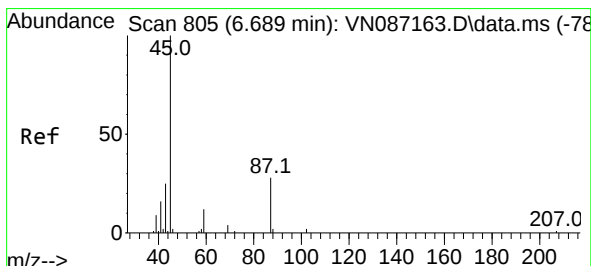
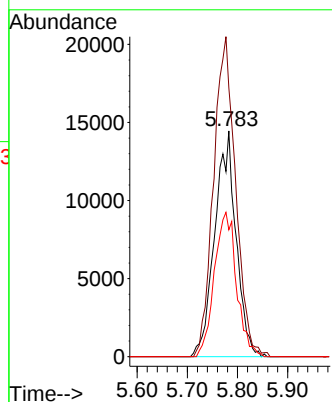
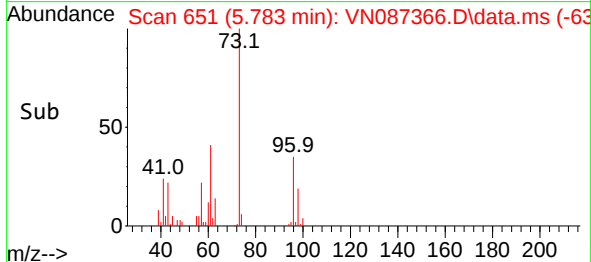
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



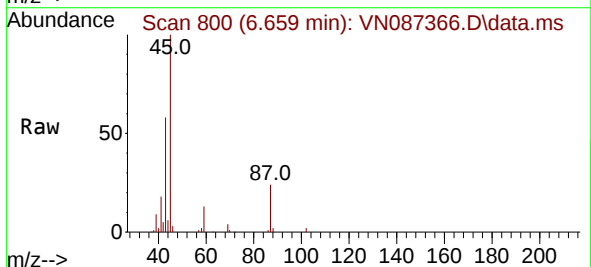
Tgt Ion: 96 Resp: 42618
Ion Ratio Lower Upper
96 100
61 119.2 110.3 165.5
98 56.2 51.6 77.4

Manual Integrations
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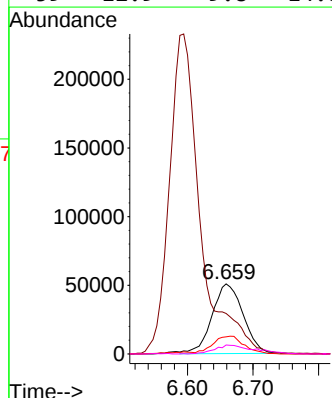
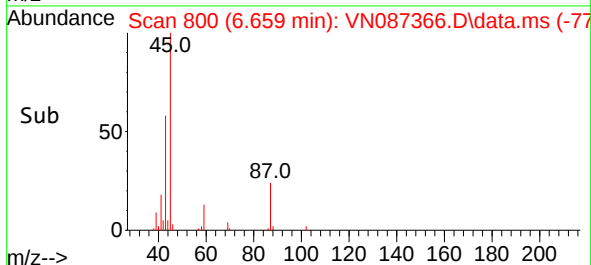
Reviewed By :John Carlone 07/21/2025
Supervised By :Mahesh Dadoda 07/21/2025



#20
Diisopropyl ether
Concen: 19.802 ug/l
RT: 6.659 min Scan# 800
Delta R.T. -0.029 min
Lab File: VN087366.D
Acq: 18 Jul 2025 15:02



Tgt Ion: 45 Resp: 166807
Ion Ratio Lower Upper
45 100
43 56.2 45.3 67.9
87 24.5 22.6 33.8
59 12.9 9.8 14.8





#21

1,1-Dichloroethane

Concen: 18.104 ug/l

RT: 6.559 min Scan# 71

Delta R.T. -0.024 min

Lab File: VN087366.D

Acq: 18 Jul 2025 15:02

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

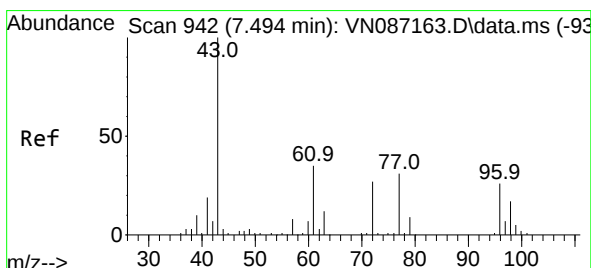
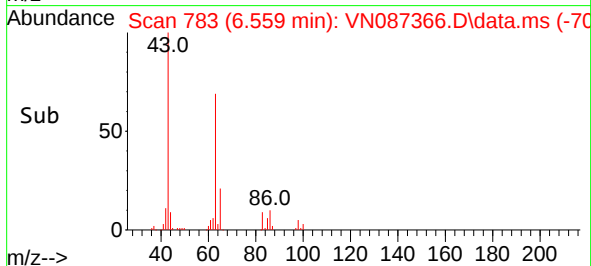
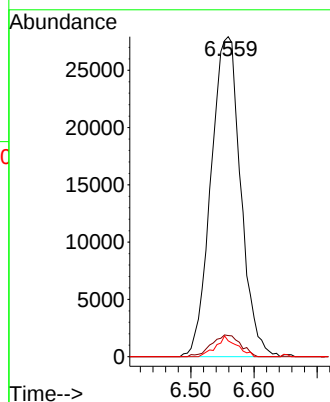
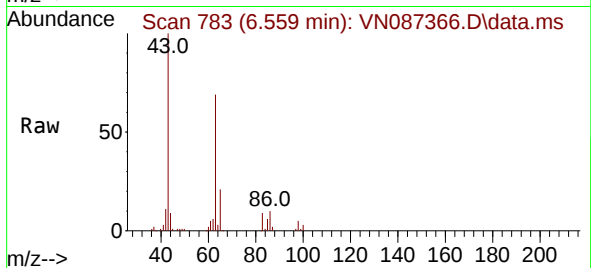
Tgt Ion: 63 Resp: 91140
 Ion Ratio Lower Upper
 63 100
 98 6.6 3.5 10.4
 100 5.0 2.0 5.8

Manual Integrations

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Reviewed By :John Carlone 07/21/2025

Supervised By :Mahesh Dadoda 07/21/2025



#22

cis-1,2-Dichloroethene

Concen: 17.655 ug/l

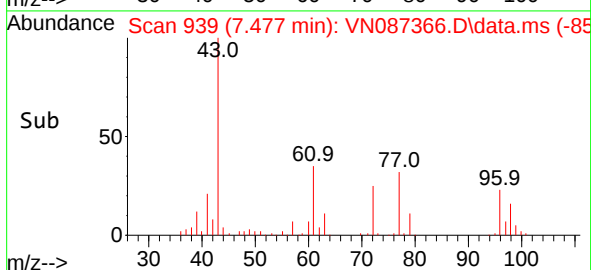
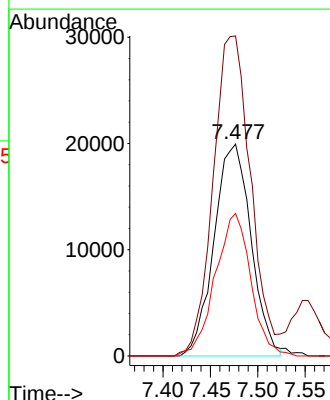
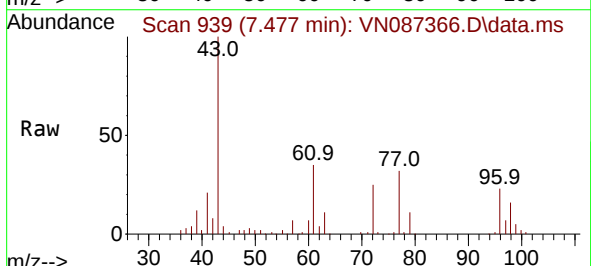
RT: 7.477 min Scan# 939

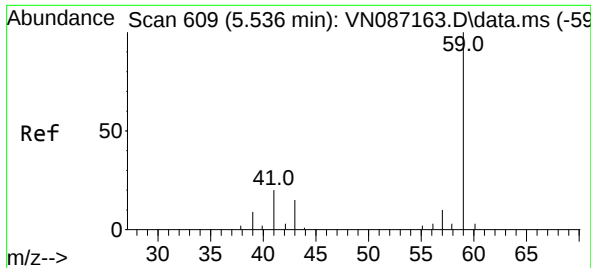
Delta R.T. -0.018 min

Lab File: VN087366.D

Acq: 18 Jul 2025 15:02

Tgt Ion: 96 Resp: 54092
 Ion Ratio Lower Upper
 96 100
 61 152.3 119.2 178.8
 98 64.7 50.6 75.8





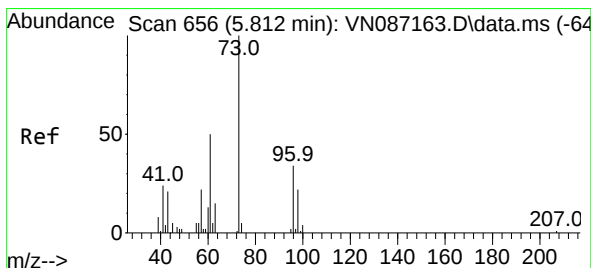
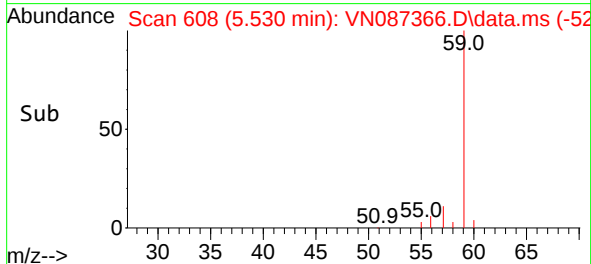
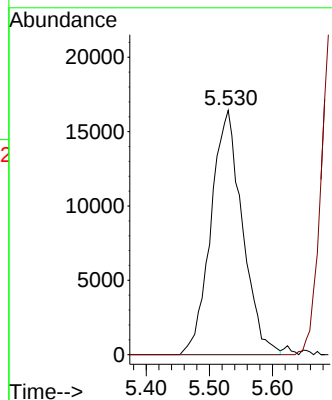
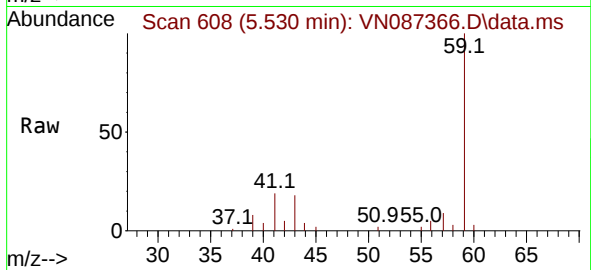
#23
tert-Butyl Alcohol
Concen: 85.968 ug/l
RT: 5.530 min Scan# 609
Delta R.T. -0.006 min
Lab File: VN087366.D
Acq: 18 Jul 2025 15:02

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tgt Ion: 59 Resp: 5694
Ion Ratio Lower Upper
59 100
52 0.0 0.0 0.0

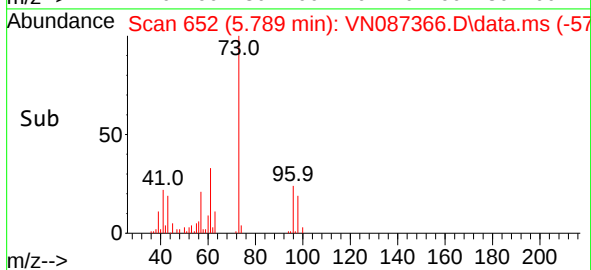
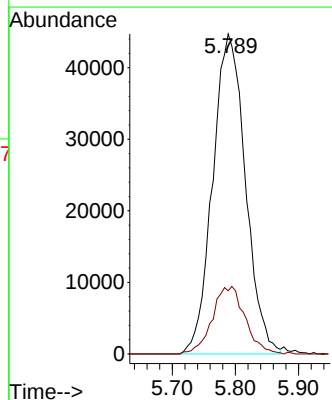
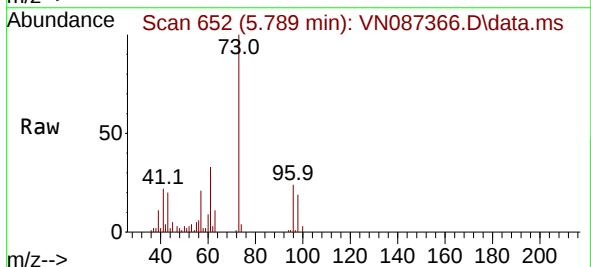
Manual Integrations
APPROVED

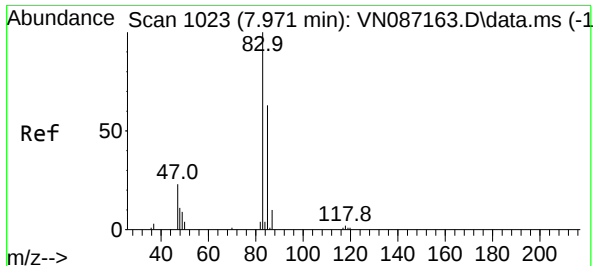
Reviewed By :John Carlone 07/21/2025
Supervised By :Mahesh Dadoda 07/21/2025



#24
Methyl tert-Butyl Ether
Concen: 19.068 ug/l
RT: 5.789 min Scan# 652
Delta R.T. -0.024 min
Lab File: VN087366.D
Acq: 18 Jul 2025 15:02

Tgt Ion: 73 Resp: 160988
Ion Ratio Lower Upper
73 100
43 21.1 16.4 24.6





#25

Chloroform

Concen: 19.795 ug/l

RT: 7.953 min Scan# 1020

Delta R.T. -0.018 min

Lab File: VN087366.D

Acq: 18 Jul 2025 15:02

Instrument :

MSVOA_N

ClientSampleId :

VSTDC020EC

Tgt Ion: 83 Resp: 9547

Ion Ratio Lower Upper

83 100

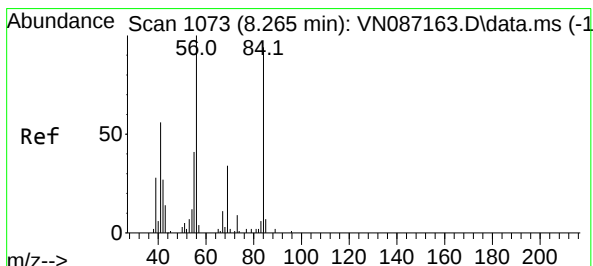
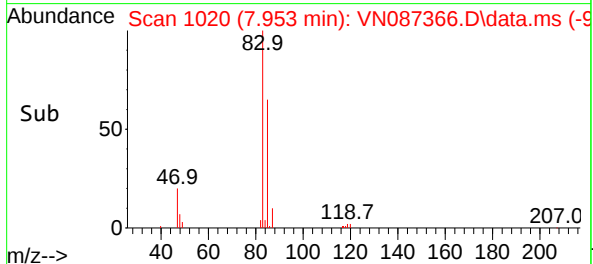
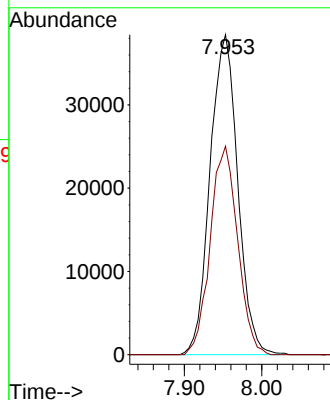
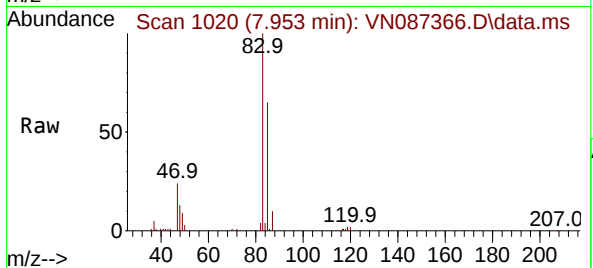
85 65.1 50.7 76.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/21/2025

Supervised By :Mahesh Dadoda 07/21/2025



#26

Cyclohexane

Concen: 15.372 ug/l

RT: 8.247 min Scan# 1070

Delta R.T. -0.018 min

Lab File: VN087366.D

Acq: 18 Jul 2025 15:02

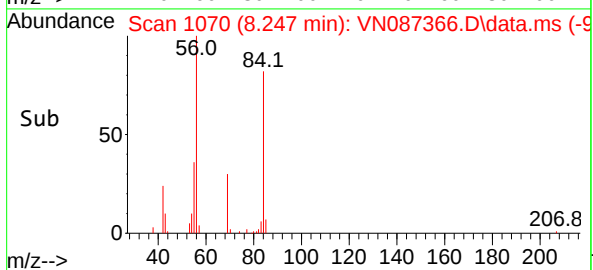
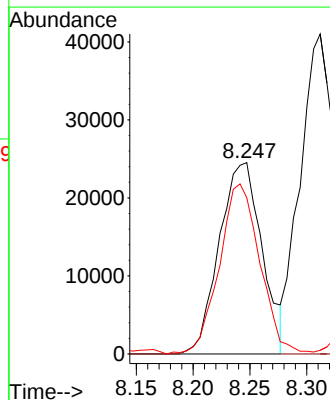
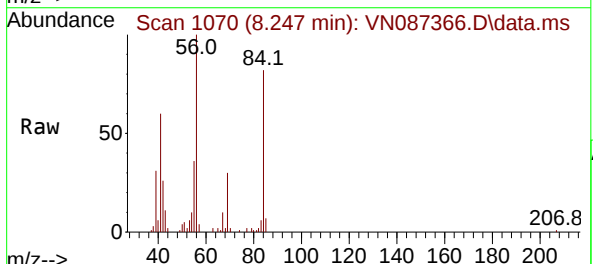
Tgt Ion: 56 Resp: 64331

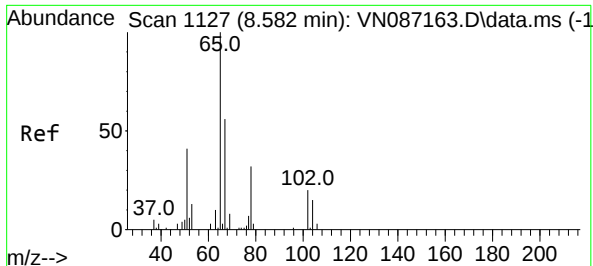
Ion Ratio Lower Upper

56 100

89 0.0 6.9 10.3#

84 84.3 69.1 103.7





#27

1,2-Dichloroethane-d4

Concen: 33.091 ug/l

RT: 8.559 min Scan# 1123

Delta R.T. -0.024 min

Lab File: VN087366.D

Acq: 18 Jul 2025 15:02

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tgt Ion: 65 Resp: 99078

Ion Ratio Lower Upper

65 100

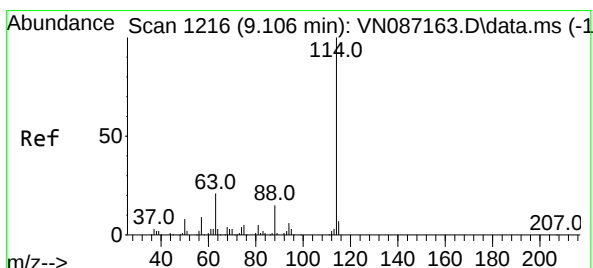
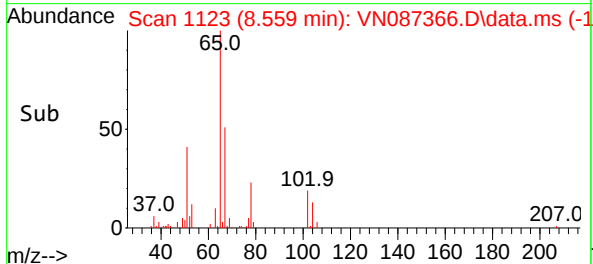
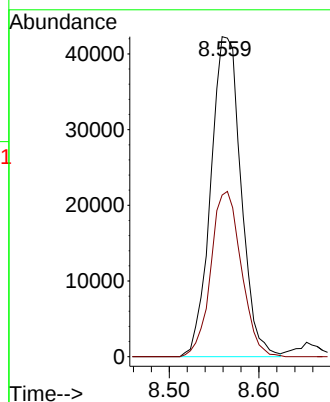
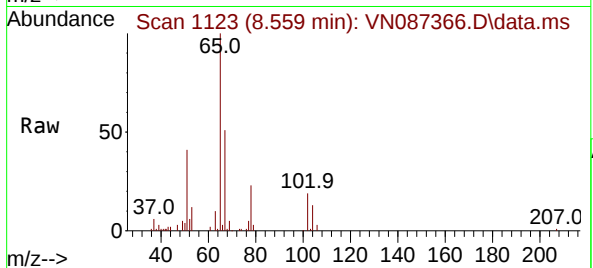
67 51.9 41.9 62.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/21/2025

Supervised By :Mahesh Dadoda 07/21/2025



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 9.082 min Scan# 1212

Delta R.T. -0.024 min

Lab File: VN087366.D

Acq: 18 Jul 2025 15:02

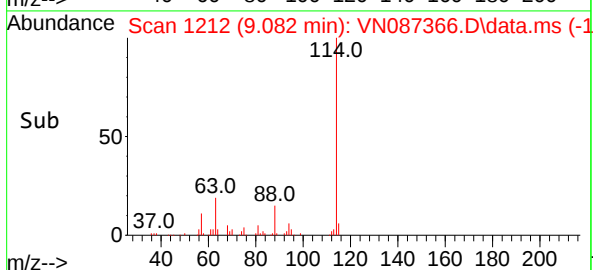
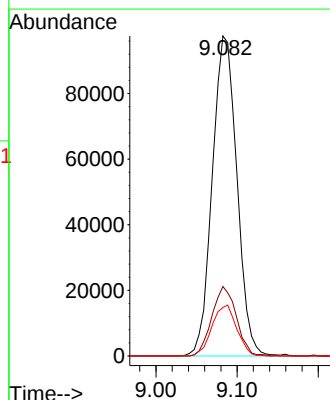
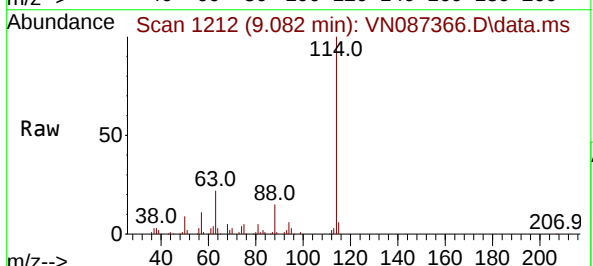
Tgt Ion:114 Resp: 205705

Ion Ratio Lower Upper

114 100

63 21.6 17.0 25.4

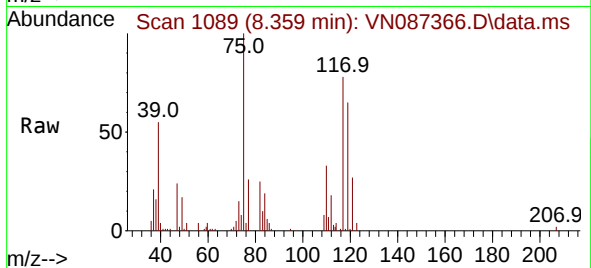
88 15.9 12.6 19.0





#29
1,1-Dichloropropene
Concen: 18.363 ug/l
RT: 8.359 min Scan# 1092
Delta R.T. -0.018 min
Lab File: VN087366.D
Acq: 18 Jul 2025 15:02

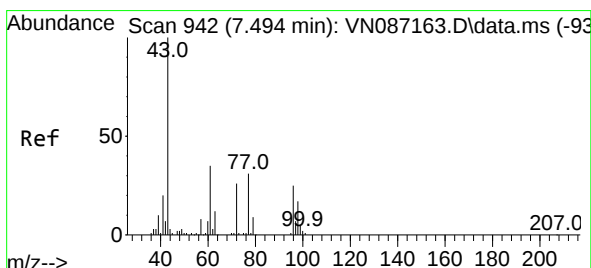
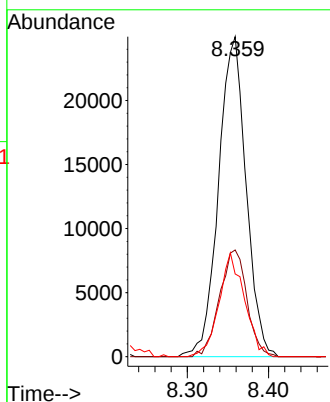
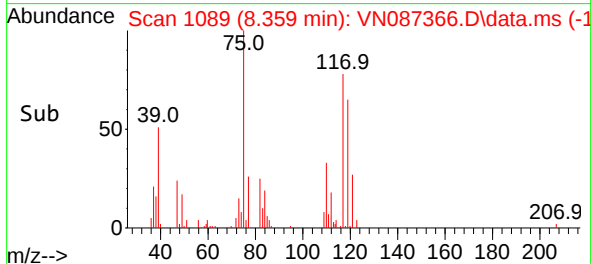
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



Tgt Ion: 75 Resp: 58874
Ion Ratio Lower Upper
75 100
110 33.1 0.0 69.2
77 30.1 0.0 61.8

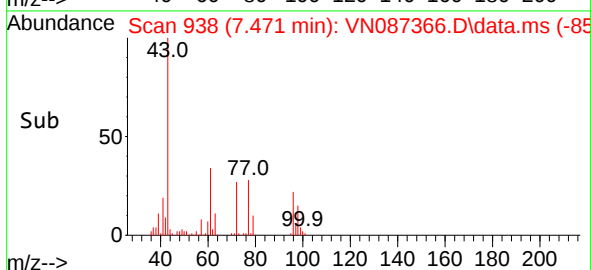
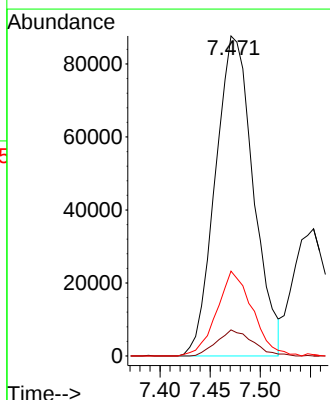
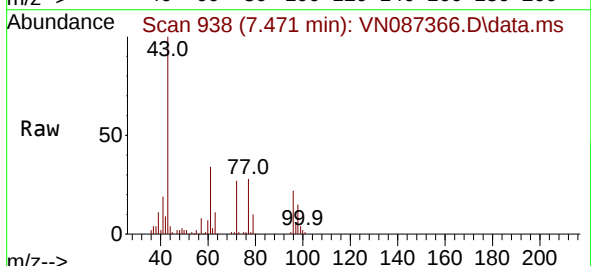
Manual Integrations
APPROVED

Reviewed By :John Carlone 07/21/2025
Supervised By :Mahesh Dadoda 07/21/2025



#30
2-Butanone
Concen: 107.073 ug/l
RT: 7.471 min Scan# 938
Delta R.T. -0.024 min
Lab File: VN087366.D
Acq: 18 Jul 2025 15:02

Tgt Ion: 43 Resp: 231573
Ion Ratio Lower Upper
43 100
57 7.7 6.3 9.5
72 24.9 21.8 32.6





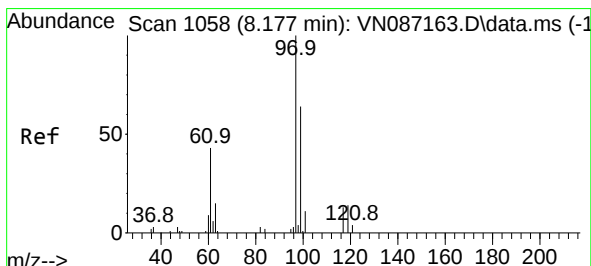
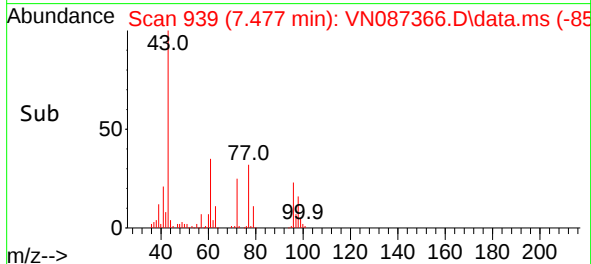
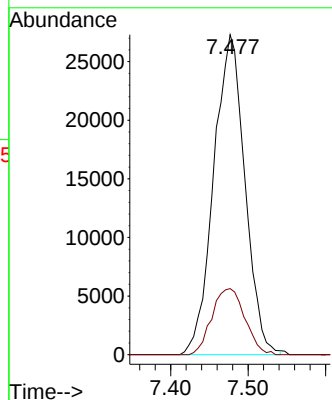
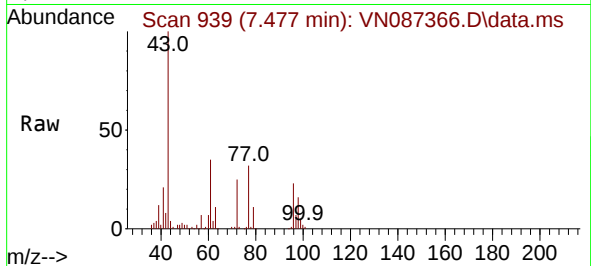
#31
2,2-Dichloropropane
Concen: 19.768 ug/l
RT: 7.477 min Scan# 91
Delta R.T. -0.024 min
Lab File: VN087366.D
Acq: 18 Jul 2025 15:02

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tgt Ion: 77 Resp: 7650
Ion Ratio Lower Upper
77 100
97 21.8 18.4 27.6

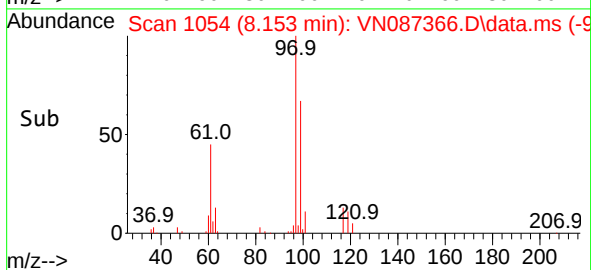
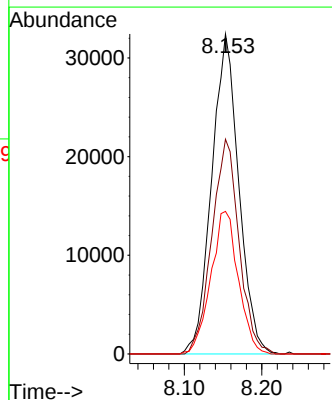
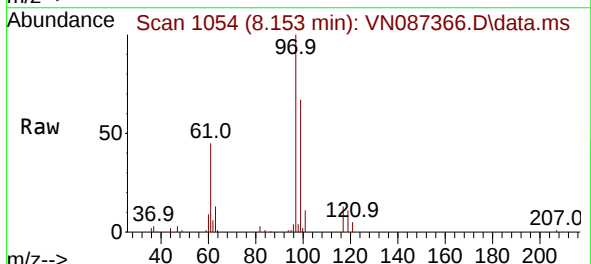
Manual Integrations
APPROVED

Reviewed By :John Carlone 07/21/2025
Supervised By :Mahesh Dadoda 07/21/2025



#32
1,1,1-Trichloroethane
Concen: 21.048 ug/l
RT: 8.153 min Scan# 1054
Delta R.T. -0.024 min
Lab File: VN087366.D
Acq: 18 Jul 2025 15:02

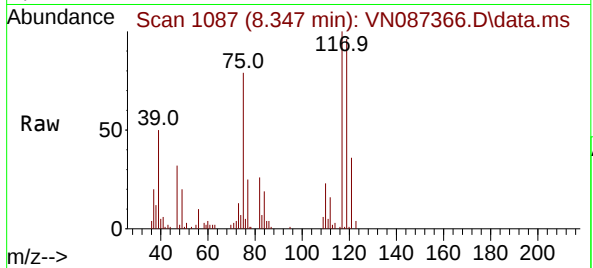
Tgt Ion: 97 Resp: 78841
Ion Ratio Lower Upper
97 100
99 67.3 50.8 76.2
61 45.3 36.1 54.1





#33
Carbon Tetrachloride
Concen: 20.680 ug/l
RT: 8.347 min Scan# 1091
Delta R.T. -0.024 min
Lab File: VN087366.D
Acq: 18 Jul 2025 15:02

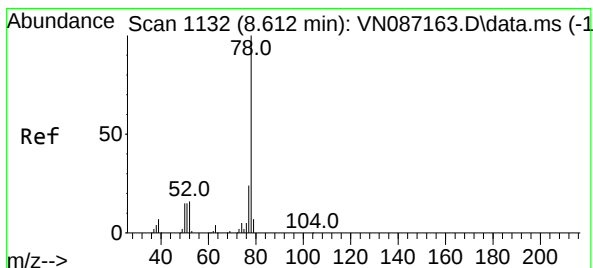
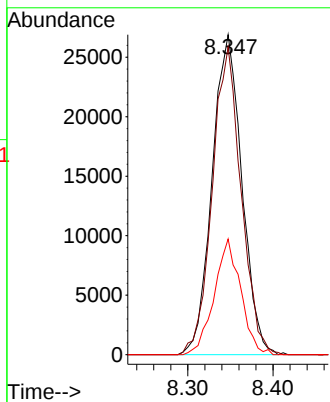
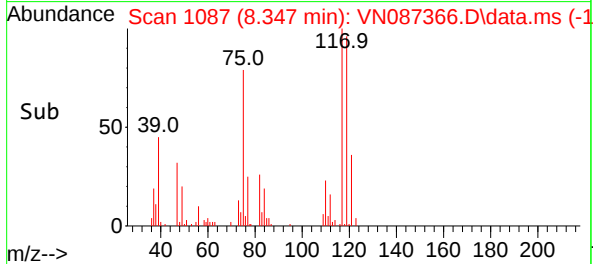
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



Tgt Ion: 117 Resp: 65180
Ion Ratio Lower Upper
117 100
119 96.2 75.8 113.6
121 36.1 26.2 39.4

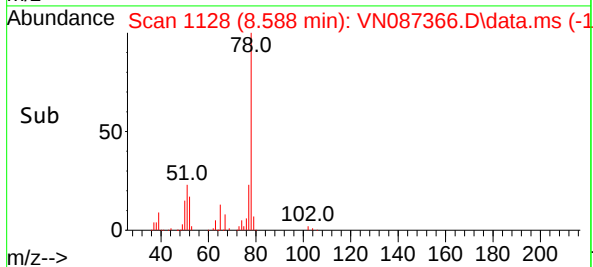
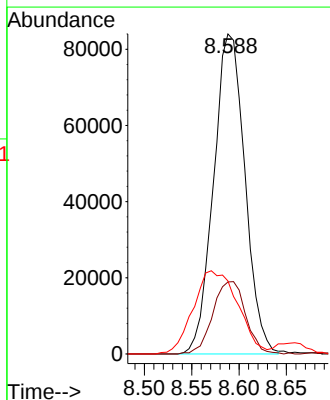
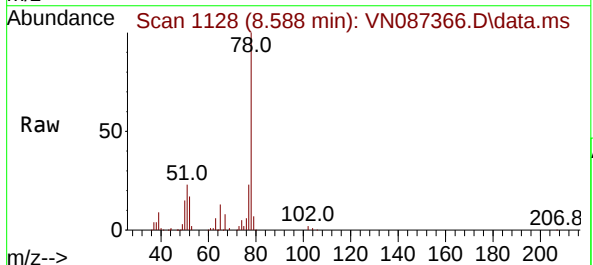
Manual Integrations
APPROVED

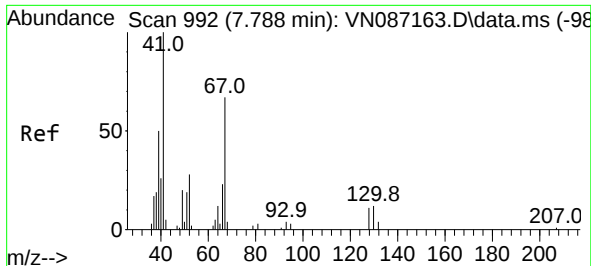
Reviewed By :John Carlone 07/21/2025
Supervised By :Mahesh Dadoda 07/21/2025



#34
Benzene
Concen: 19.065 ug/l
RT: 8.588 min Scan# 1128
Delta R.T. -0.024 min
Lab File: VN087366.D
Acq: 18 Jul 2025 15:02

Tgt Ion: 78 Resp: 193652
Ion Ratio Lower Upper
78 100
77 22.5 19.5 29.3
51 19.6 14.8 22.2





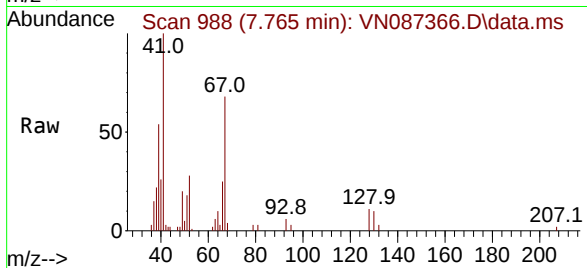
#35
Methacrylonitrile
Concen: 22.452 ug/l
RT: 7.765 min Scan# 91
Delta R.T. -0.024 min
Lab File: VN087366.D
Acq: 18 Jul 2025 15:02

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC



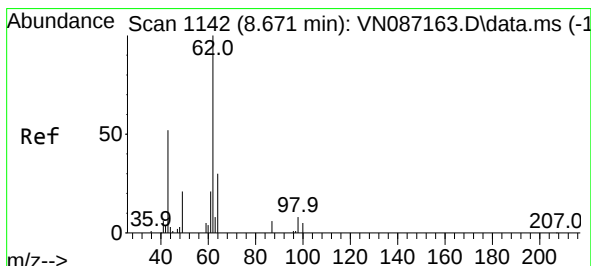
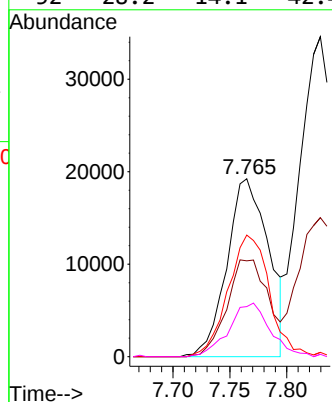
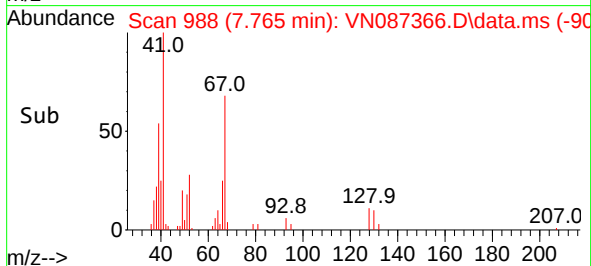
Tgt Ion	Ratio	Lower	Upper
41	100		
39	53.9	24.4	73.2
67	68.4	33.3	99.8
52	28.2	14.1	42.4

Manual Integrations

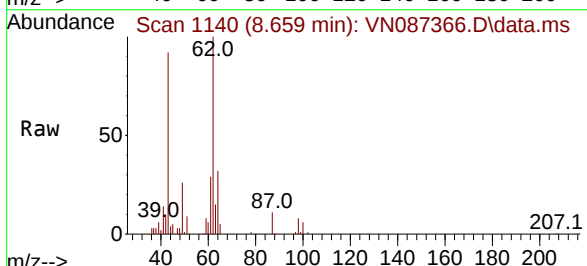
APPROVED

Reviewed By :John Carlone 07/21/2025

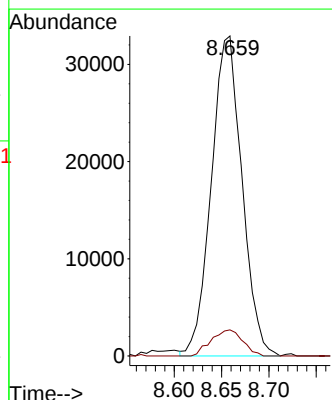
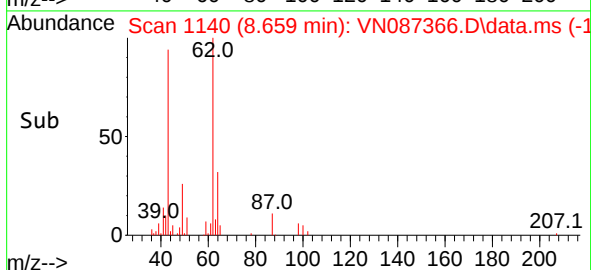
Supervised By :Mahesh Dadoda 07/21/2025

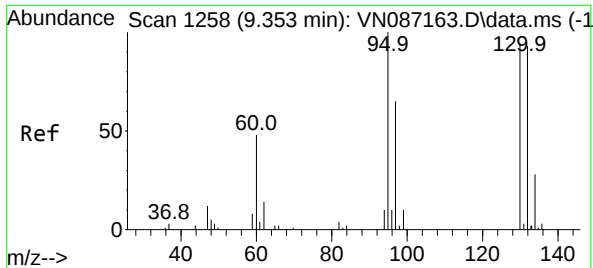


#36
1,2-Dichloroethane
Concen: 22.616 ug/l
RT: 8.659 min Scan# 1140
Delta R.T. -0.012 min
Lab File: VN087366.D
Acq: 18 Jul 2025 15:02



Tgt Ion	Ratio	Lower	Upper
62	100		
98	8.4	7.2	10.8





#37
 Trichloroethene
 Concen: 19.977 ug/l
 RT: 9.335 min Scan# 1255
 Delta R.T. -0.018 min
 Lab File: VN087366.D
 Acq: 18 Jul 2025 15:02

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

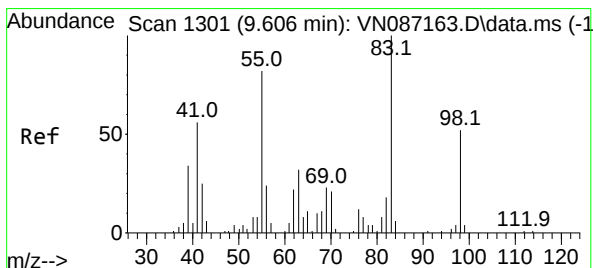
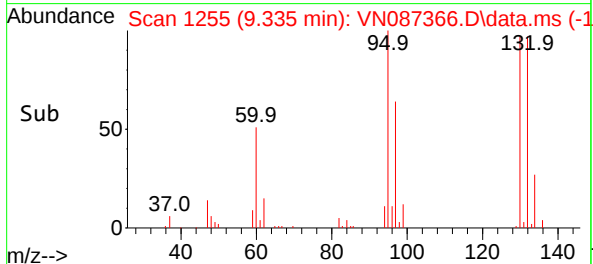
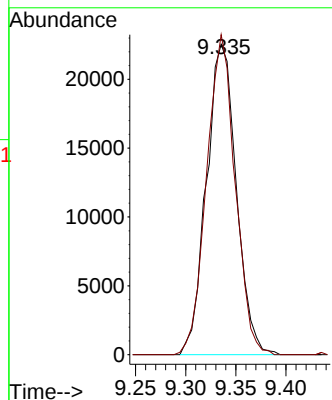
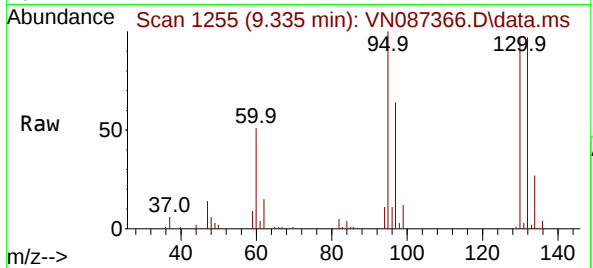
Tgt Ion:130 Resp: 4680
 Ion Ratio Lower Upper
 130 100
 95 103.1 85.3 127.9

Manual Integrations

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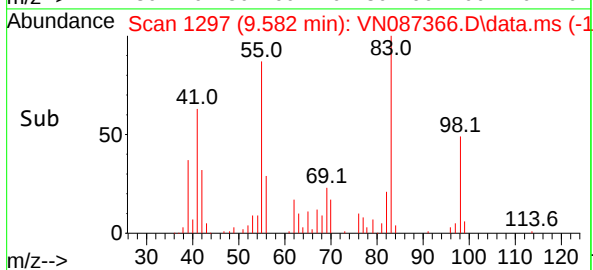
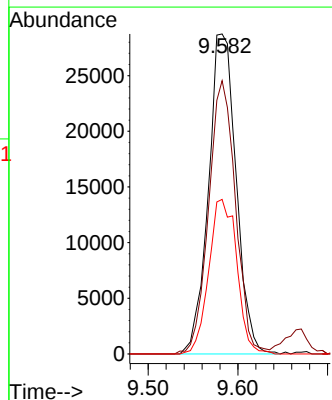
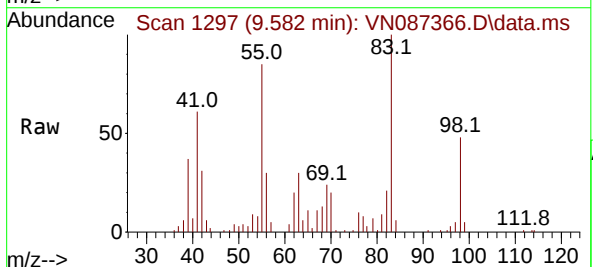
Reviewed By :John Carlone 07/21/2025

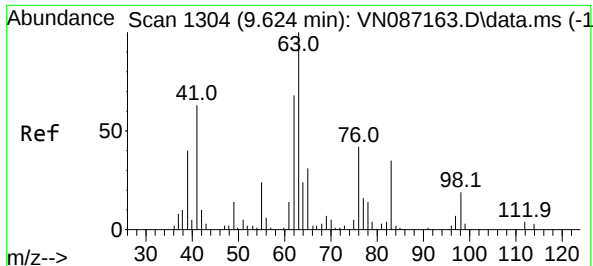
Supervised By :Mahesh Dadoda 07/21/2025



#38
 Methylcyclohexane
 Concen: 16.777 ug/l
 RT: 9.582 min Scan# 1297
 Delta R.T. -0.024 min
 Lab File: VN087366.D
 Acq: 18 Jul 2025 15:02

Tgt Ion: 83 Resp: 61719
 Ion Ratio Lower Upper
 83 100
 55 82.7 40.1 120.2
 98 48.7 24.4 73.2





#39

1,2-Dichloropropane

Concen: 20.983 ug/l

RT: 9.606 min Scan# 1315

Delta R.T. -0.018 min

Lab File: VN087366.D

Acq: 18 Jul 2025 15:02

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tgt Ion: 63 Resp: 5349

Ion Ratio Lower Upper

63 100

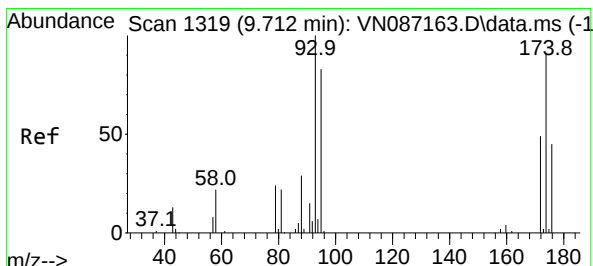
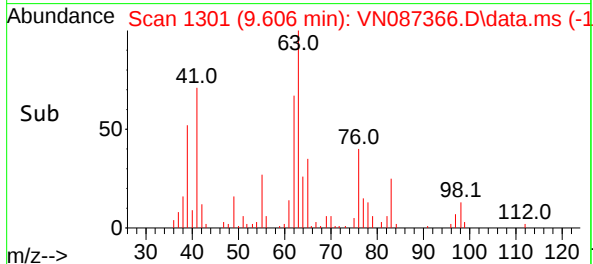
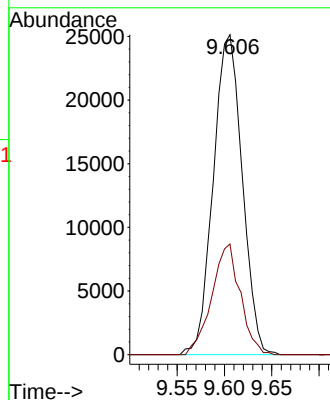
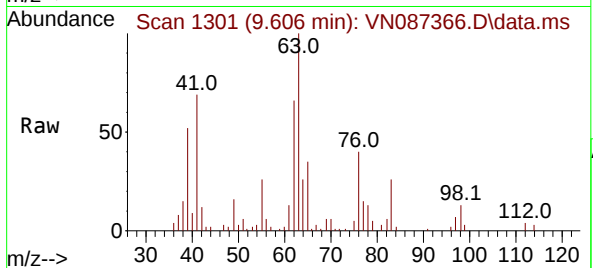
65 34.6 24.6 36.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/21/2025

Supervised By :Mahesh Dadoda 07/21/2025



#40

Dibromomethane

Concen: 20.997 ug/l

RT: 9.688 min Scan# 1315

Delta R.T. -0.024 min

Lab File: VN087366.D

Acq: 18 Jul 2025 15:02

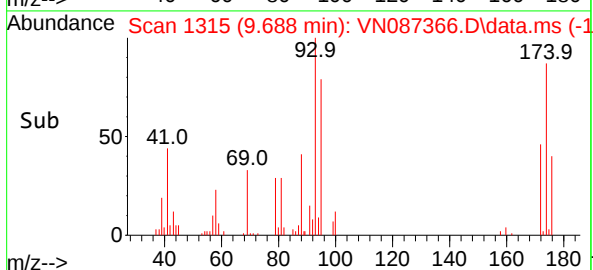
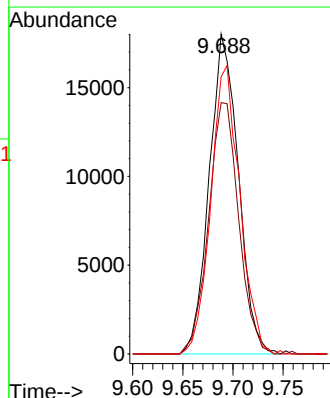
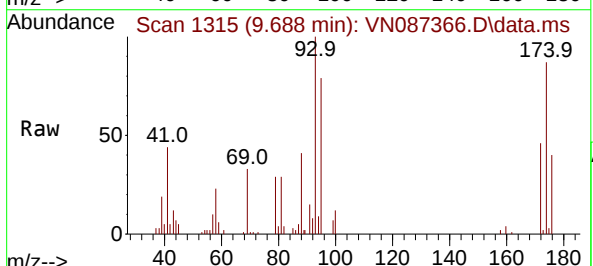
Tgt Ion: 93 Resp: 36400

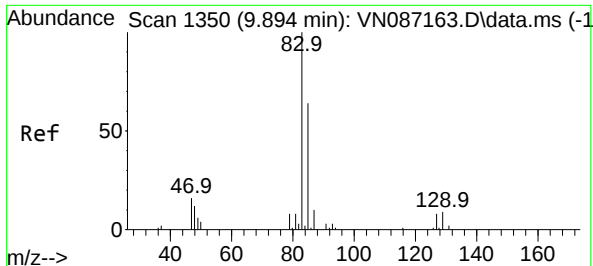
Ion Ratio Lower Upper

93 100

95 81.2 0.0 170.8

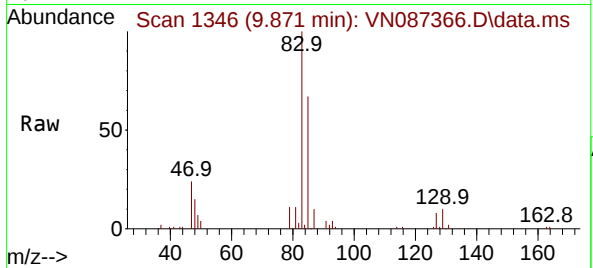
174 89.6 0.0 176.6





#41
Bromodichloromethane
Concen: 22.195 ug/l
RT: 9.871 min Scan# 11
Delta R.T. -0.024 min
Lab File: VN087366.D
Acq: 18 Jul 2025 15:02

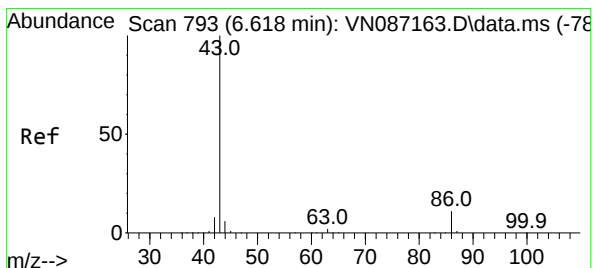
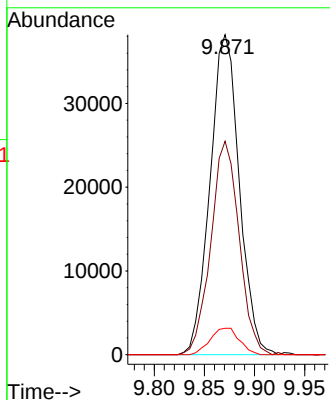
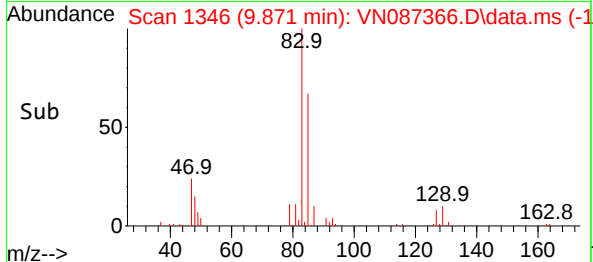
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



Tgt Ion: 83 Resp: 77662
Ion Ratio Lower Upper
83 100
85 66.7 51.4 77.2
127 8.3 6.1 9.1

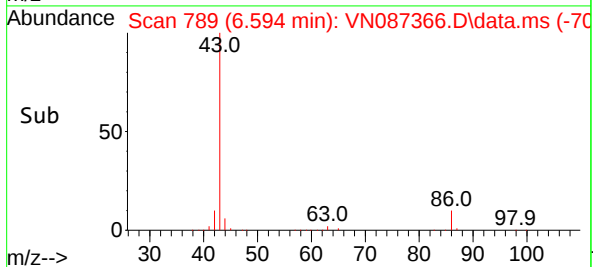
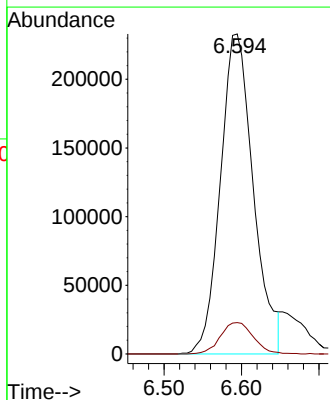
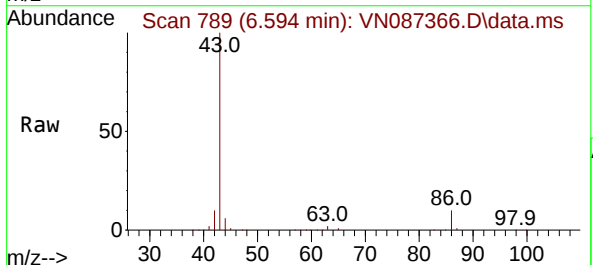
Manual Integrations
APPROVED

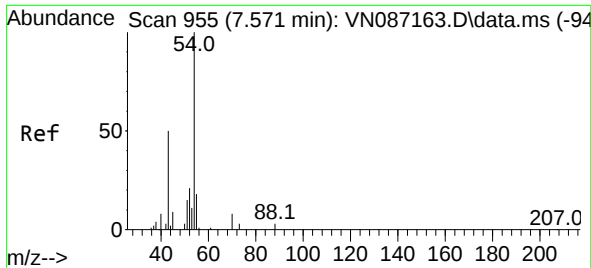
Reviewed By :John Carlone 07/21/2025
Supervised By :Mahesh Dadoda 07/21/2025



#42
Vinyl Acetate
Concen: 98.151 ug/l
RT: 6.594 min Scan# 789
Delta R.T. -0.024 min
Lab File: VN087366.D
Acq: 18 Jul 2025 15:02

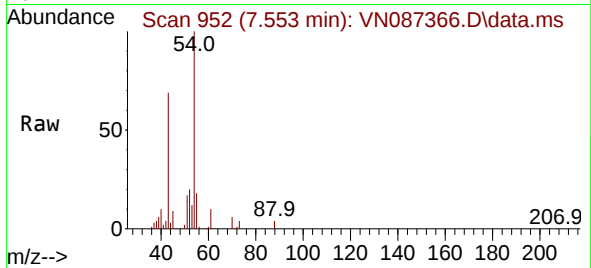
Tgt Ion: 43 Resp: 690434
Ion Ratio Lower Upper
43 100
86 9.8 7.7 11.5





#43
Ethyl Acetate
Concen: 22.598 ug/l
RT: 7.553 min Scan# 91
Delta R.T. -0.018 min
Lab File: VN087366.D
Acq: 18 Jul 2025 15:02

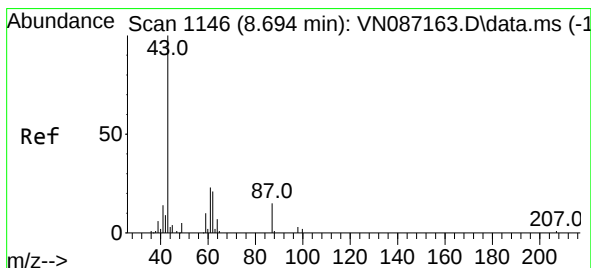
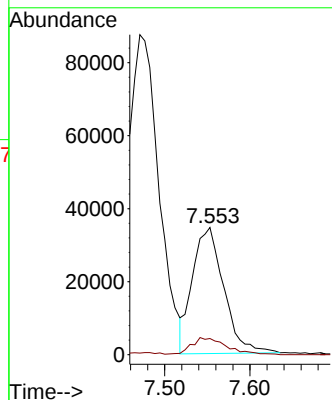
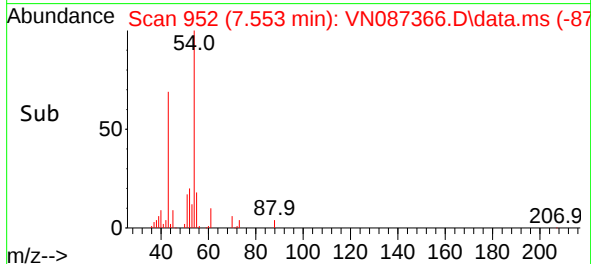
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



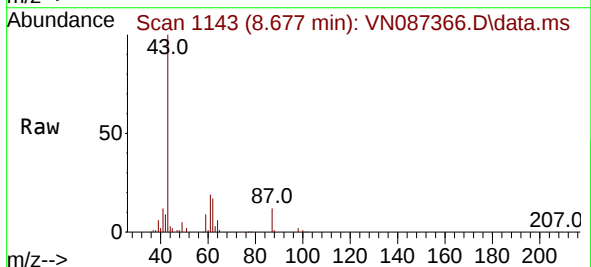
Tgt Ion: 43 Resp: 88230
Ion Ratio Lower Upper
43 100
45 12.0 11.5 17.3

Manual Integrations
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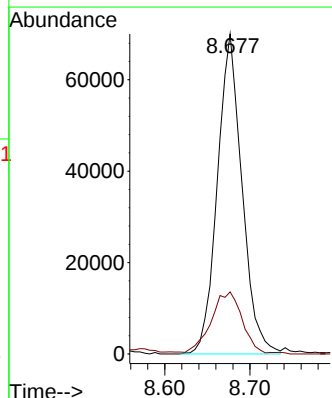
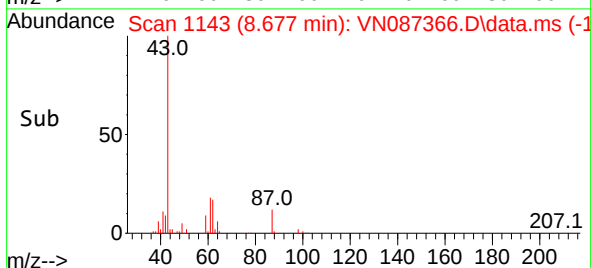
Reviewed By :John Carlone 07/21/2025
Supervised By :Mahesh Dadoda 07/21/2025

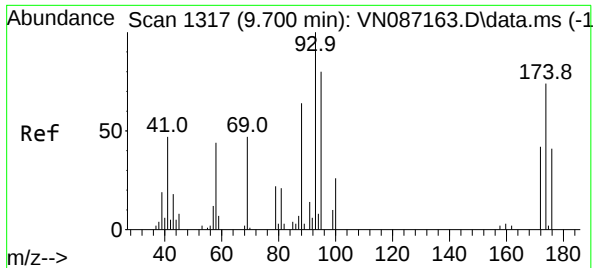


#44
Isopropyl Acetate
Concen: 22.105 ug/l
RT: 8.677 min Scan# 1143
Delta R.T. -0.018 min
Lab File: VN087366.D
Acq: 18 Jul 2025 15:02



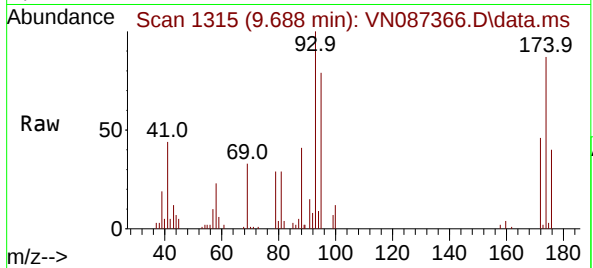
Tgt Ion: 43 Resp: 140611
Ion Ratio Lower Upper
43 100
61 24.5 20.5 30.7





#45
1,4-Dioxane
Concen: 394.185 ug/l
RT: 9.688 min Scan# 1315
Delta R.T. -0.012 min
Lab File: VN087366.D
Acq: 18 Jul 2025 15:02

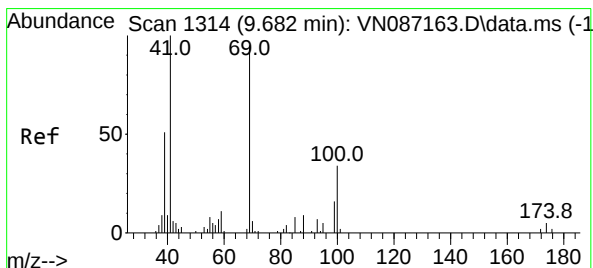
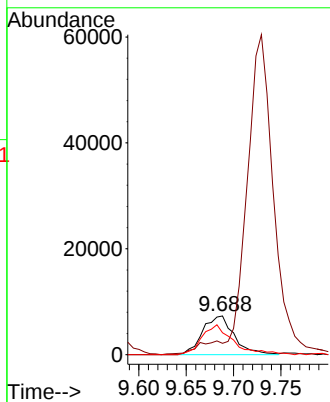
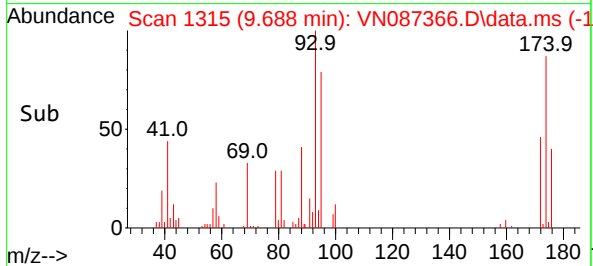
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



Tgt Ion: 88 Resp: 16962
Ion Ratio Lower Upper
88 100
43 11.6 21.3 31.9
58 76.5 61.7 92.5

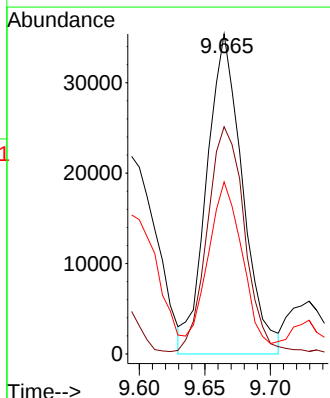
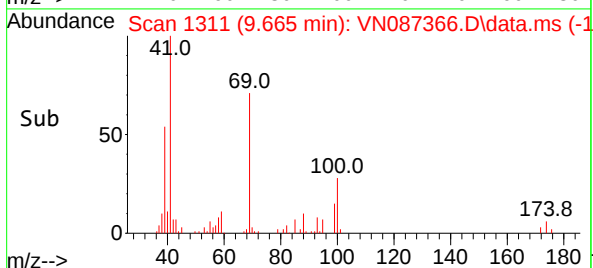
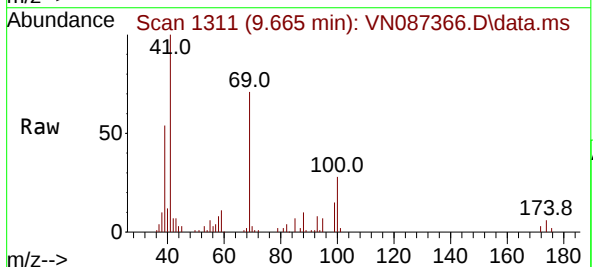
Manual Integrations
APPROVED

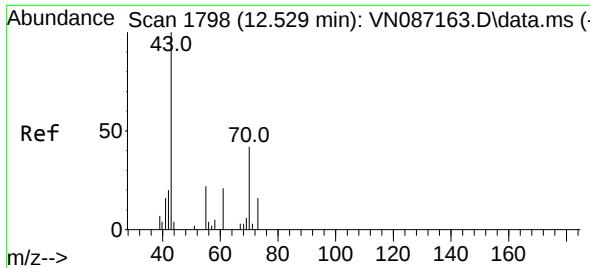
Reviewed By :John Carlone 07/21/2025
Supervised By :Mahesh Dadoda 07/21/2025



#46
Methyl methacrylate
Concen: 22.752 ug/l
RT: 9.665 min Scan# 1311
Delta R.T. -0.018 min
Lab File: VN087366.D
Acq: 18 Jul 2025 15:02

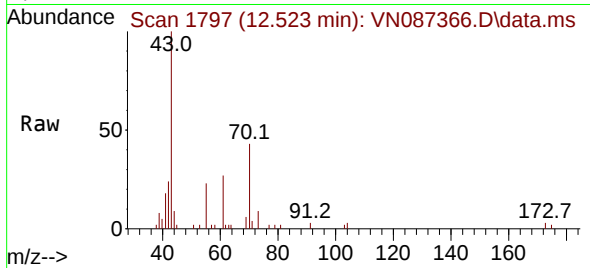
Tgt Ion: 41 Resp: 67280
Ion Ratio Lower Upper
41 100
69 74.8 45.6 136.9
39 53.3 26.2 78.5





#47
n-amy1 Acetate
Concen: 18.678 ug/l m
RT: 12.523 min Scan# 11
Delta R.T. -0.006 min
Lab File: VN087366.D
Acq: 18 Jul 2025 15:02

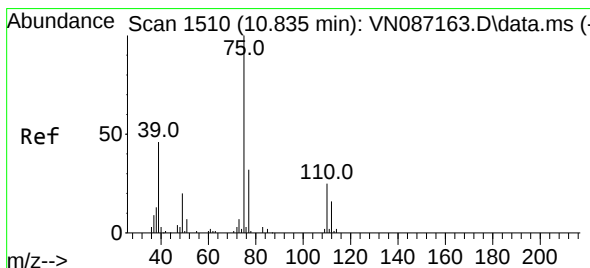
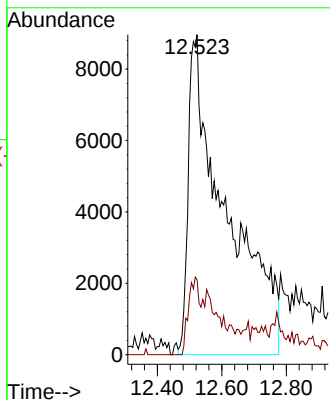
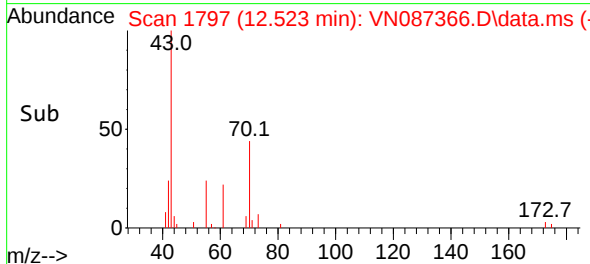
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



Tgt Ion: 43 Resp: 7264
Ion Ratio Lower Upper
43 100
55 7.2 0.0 0.0

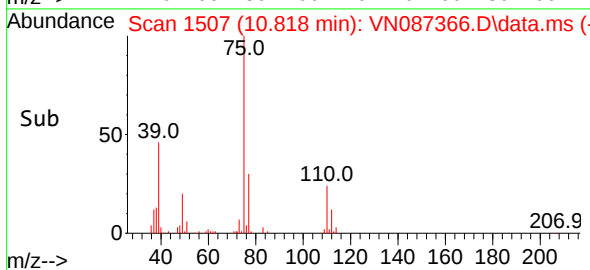
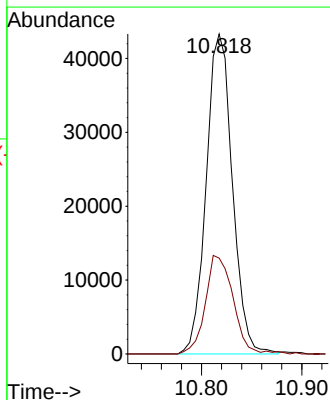
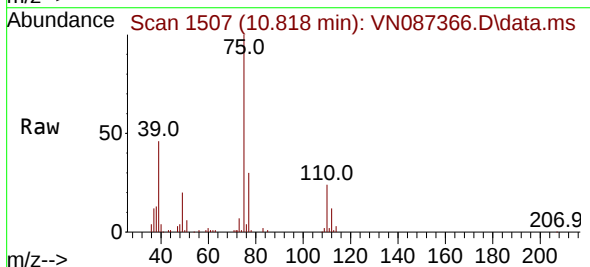
Manual Integrations
APPROVED

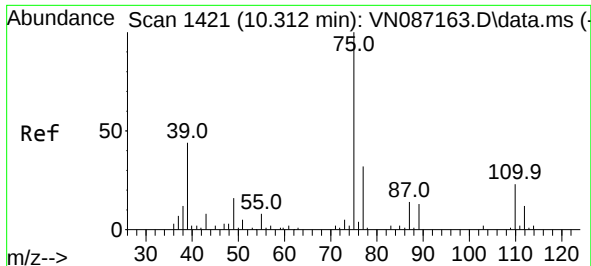
Reviewed By :John Carlone 07/21/2025
Supervised By :Mahesh Dadoda 07/21/2025



#48
t-1,3-Dichloropropene
Concen: 20.162 ug/l
RT: 10.818 min Scan# 1507
Delta R.T. -0.018 min
Lab File: VN087366.D
Acq: 18 Jul 2025 15:02

Tgt Ion: 75 Resp: 78646
Ion Ratio Lower Upper
75 100
77 29.9 25.4 38.0





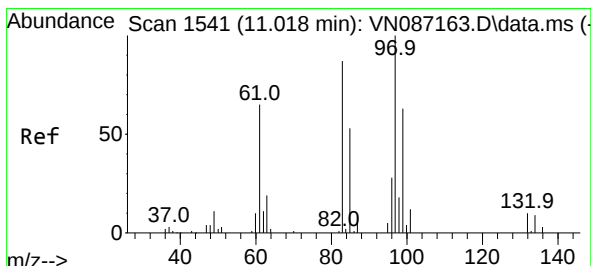
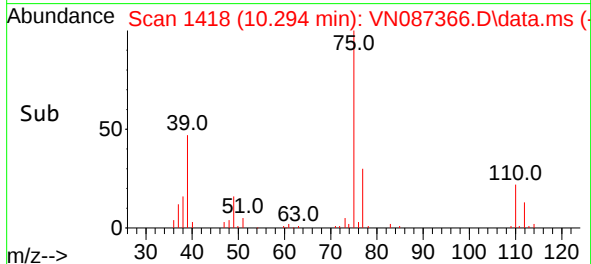
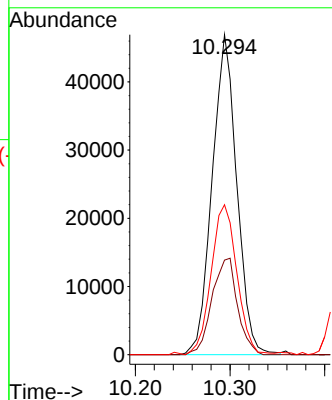
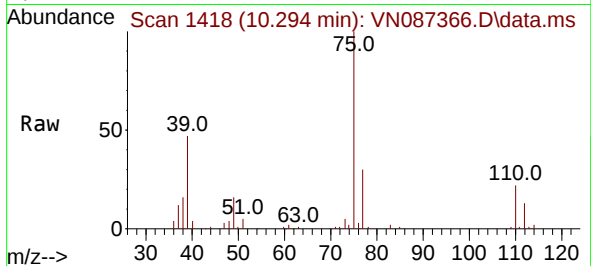
#49
cis-1,3-Dichloropropene
Concen: 20.393 ug/l
RT: 10.294 min Scan# 1418
Delta R.T. -0.018 min
Lab File: VN087366.D
Acq: 18 Jul 2025 15:02

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tgt Ion: 75 Resp: 8456
Ion Ratio Lower Upper
75 100
77 29.6 25.4 38.2
39 46.5 35.3 52.9

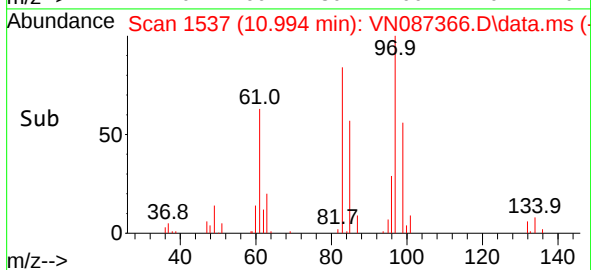
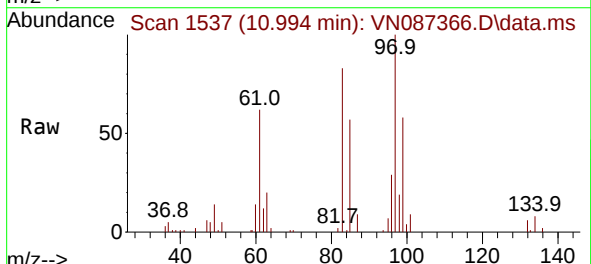
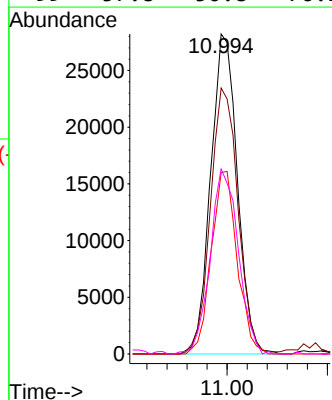
Manual Integrations
APPROVED

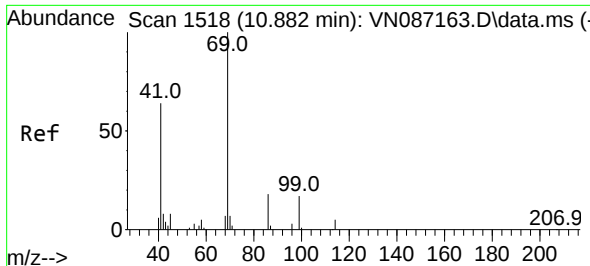
Reviewed By :John Carlone 07/21/2025
Supervised By :Mahesh Dadoda 07/21/2025



#50
1,1,2-Trichloroethane
Concen: 21.172 ug/l
RT: 10.994 min Scan# 1537
Delta R.T. -0.024 min
Lab File: VN087366.D
Acq: 18 Jul 2025 15:02

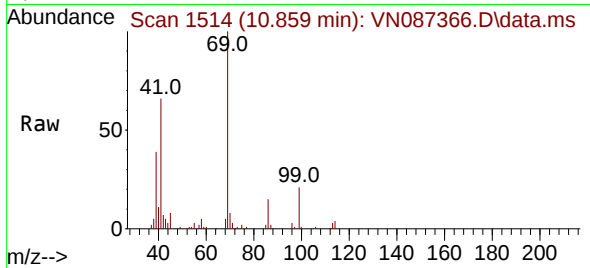
Tgt Ion: 97 Resp: 52137
Ion Ratio Lower Upper
97 100
83 83.1 69.6 104.4
85 56.7 42.0 63.0
99 57.8 50.8 76.2





#51
Ethyl methacrylate
Concen: 20.548 ug/l
RT: 10.859 min Scan# 1514
Delta R.T. -0.024 min
Lab File: VN087366.D
Acq: 18 Jul 2025 15:02

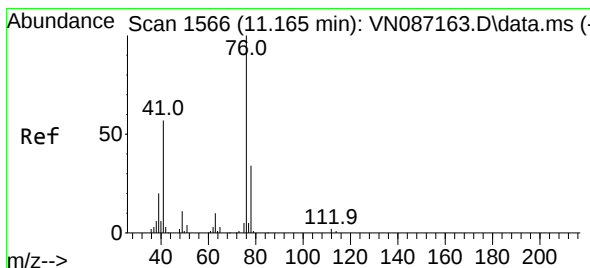
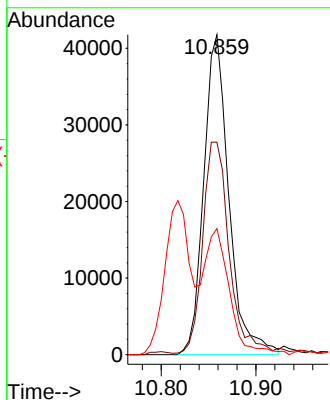
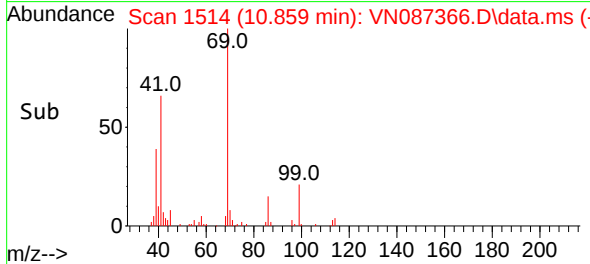
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



Tgt Ion: 69 Resp: 77010
Ion Ratio Lower Upper
69 100
41 65.9 31.8 95.3
39 38.4 15.3 45.8

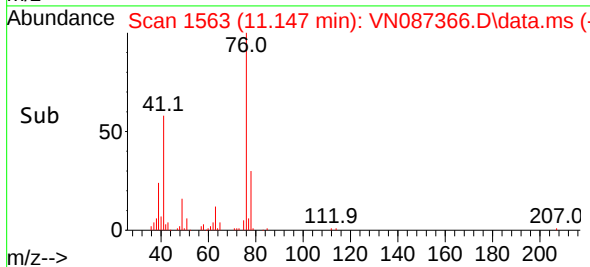
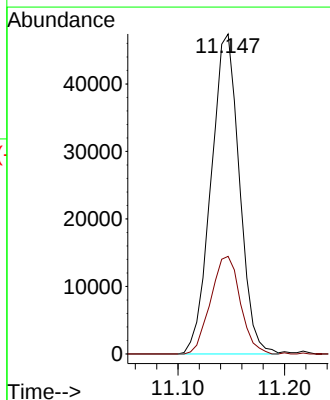
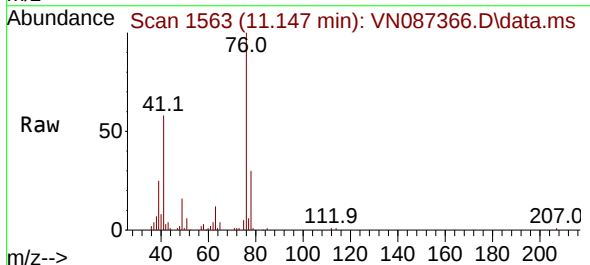
Manual Integrations
APPROVED

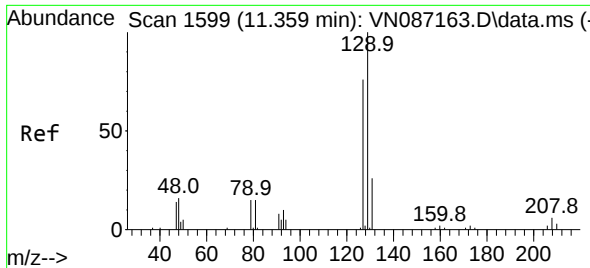
Reviewed By :John Carlone 07/21/2025
Supervised By :Mahesh Dadoda 07/21/2025



#52
1,3-Dichloropropane
Concen: 20.692 ug/l
RT: 11.147 min Scan# 1563
Delta R.T. -0.018 min
Lab File: VN087366.D
Acq: 18 Jul 2025 15:02

Tgt Ion: 76 Resp: 87477
Ion Ratio Lower Upper
76 100
78 31.8 0.0 63.0





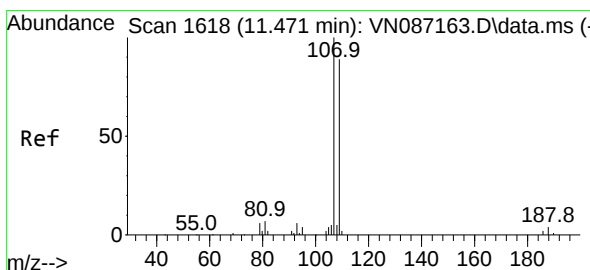
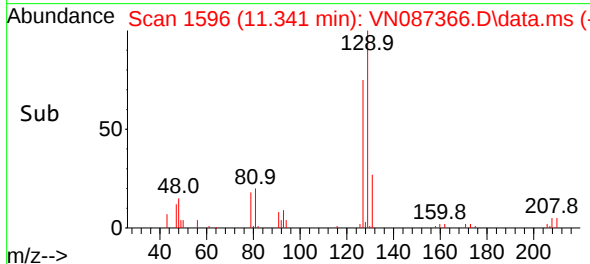
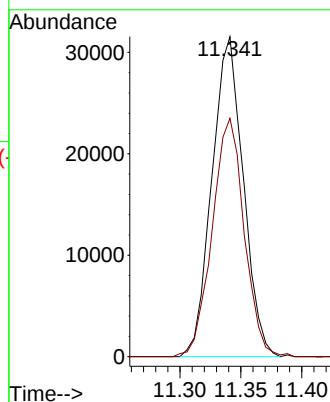
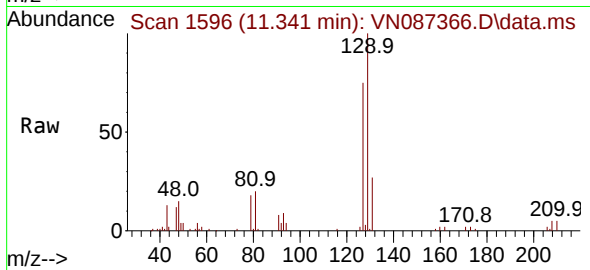
#53
Dibromochloromethane
Concen: 21.831 ug/l
RT: 11.341 min Scan# 11341
Delta R.T. -0.018 min
Lab File: VN087366.D
Acq: 18 Jul 2025 15:02

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tgt Ion:129 Resp: 5643
Ion Ratio Lower Upper
129 100
127 75.9 39.6 118.8

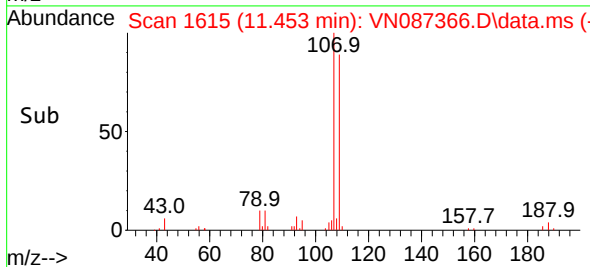
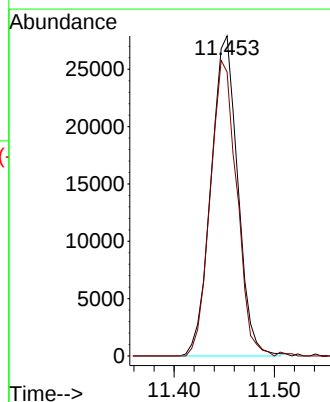
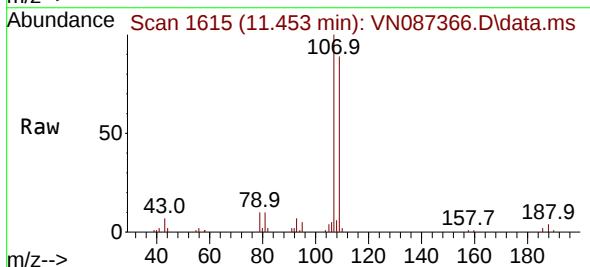
Manual Integrations
APPROVED

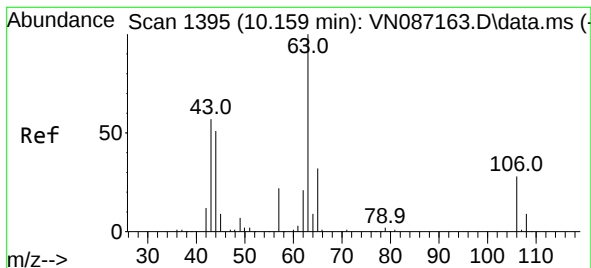
Reviewed By :John Carlone 07/21/2025
Supervised By :Mahesh Dadoda 07/21/2025



#54
1,2-Dibromoethane
Concen: 20.345 ug/l
RT: 11.453 min Scan# 1615
Delta R.T. -0.018 min
Lab File: VN087366.D
Acq: 18 Jul 2025 15:02

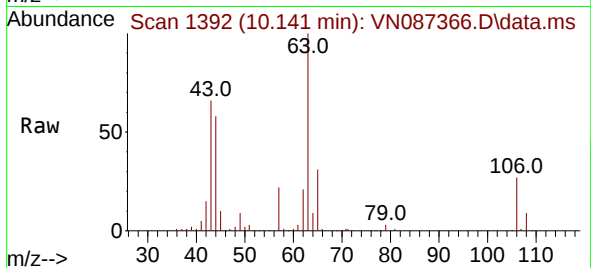
Tgt Ion:107 Resp: 51688
Ion Ratio Lower Upper
107 100
109 91.2 73.5 110.3





#55
2-Chloroethyl vinyl ether
Concen: 101.843 ug/l
RT: 10.141 min Scan# 1392
Delta R.T. -0.018 min
Lab File: VN087366.D
Acq: 18 Jul 2025 15:02

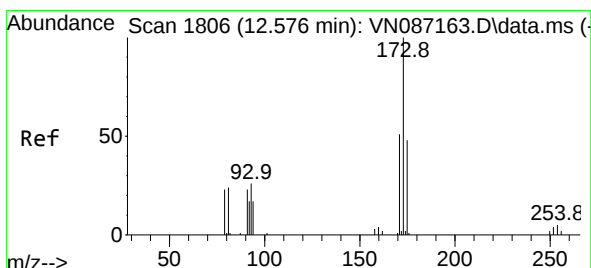
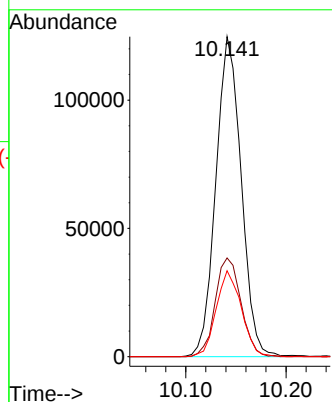
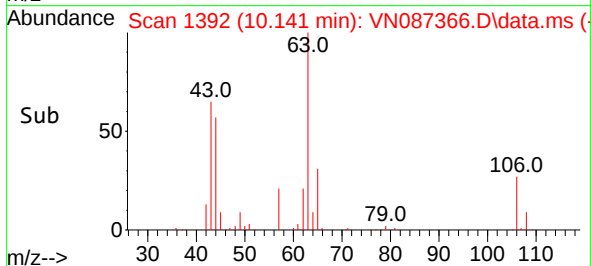
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



Tgt Ion: 63 Resp: 218798
Ion Ratio Lower Upper
63 100
65 31.4 25.6 38.4
106 26.7 21.9 32.9

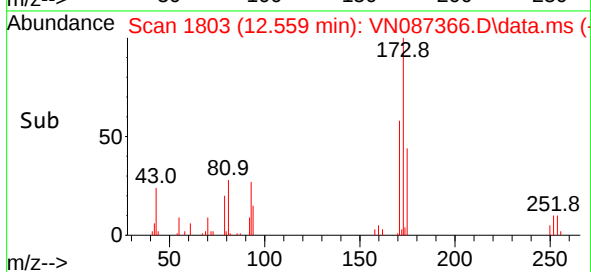
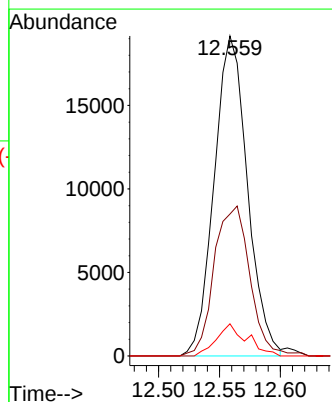
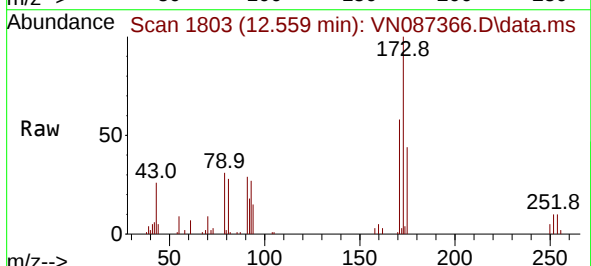
Manual Integrations
APPROVED

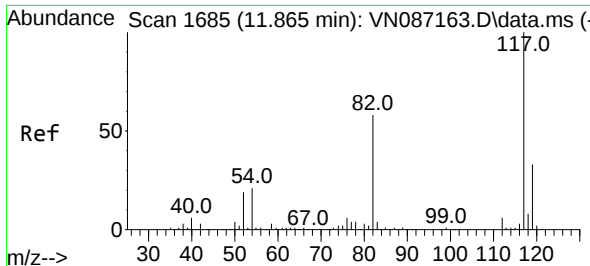
Reviewed By :John Carlone 07/21/2025
Supervised By :Mahesh Dadoda 07/21/2025



#56
Bromoform
Concen: 20.501 ug/l
RT: 12.559 min Scan# 1803
Delta R.T. -0.018 min
Lab File: VN087366.D
Acq: 18 Jul 2025 15:02

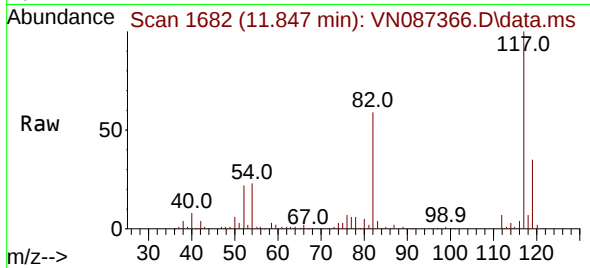
Tgt Ion:173 Resp: 36430
Ion Ratio Lower Upper
173 100
175 49.9 38.7 58.1
254 7.1 4.2 6.4#





#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.847 min Scan# 11847
Delta R.T. -0.018 min
Lab File: VN087366.D
Acq: 18 Jul 2025 15:02

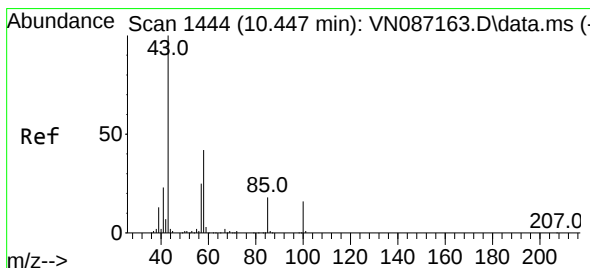
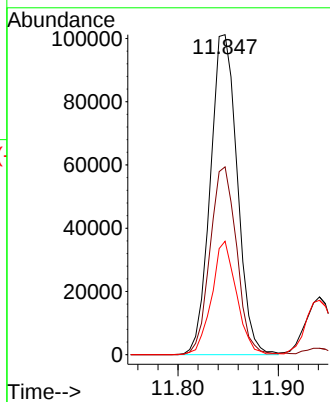
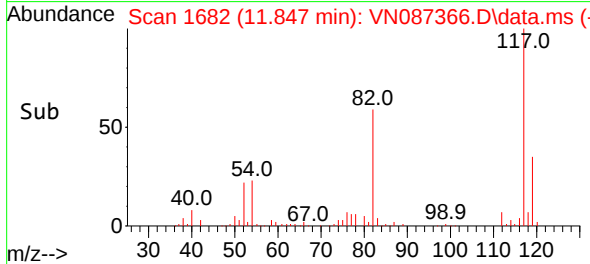
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



Tgt Ion:117 Resp: 18883
Ion Ratio Lower Upper
117 100
82 57.9 45.4 68.2
119 32.7 26.2 39.4

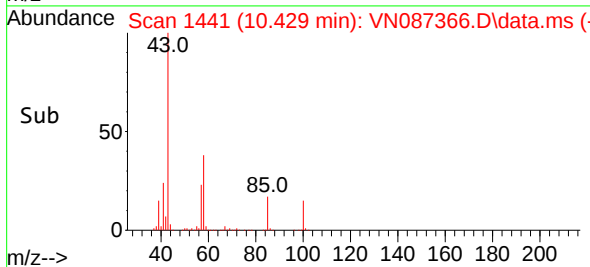
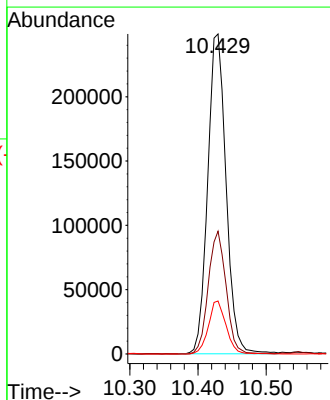
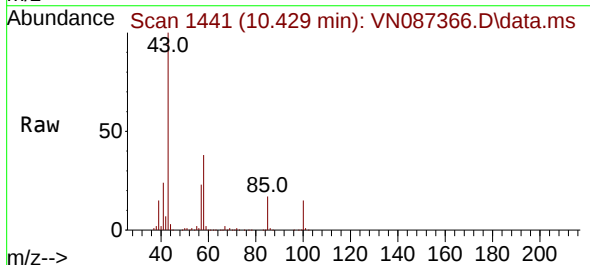
Manual Integrations
APPROVED

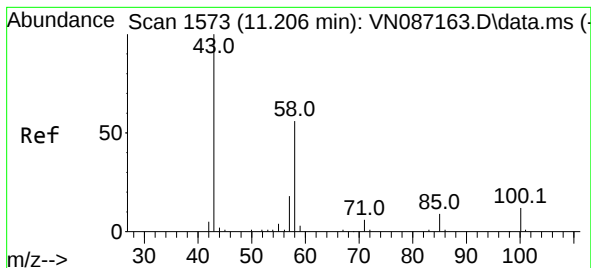
Reviewed By :John Carlone 07/21/2025
Supervised By :Mahesh Dadoda 07/21/2025



#58
4-Methyl-2-Pentanone
Concen: 123.005 ug/l
RT: 10.429 min Scan# 1441
Delta R.T. -0.018 min
Lab File: VN087366.D
Acq: 18 Jul 2025 15:02

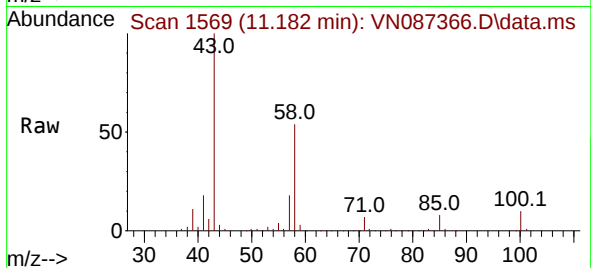
Tgt Ion: 43 Resp: 466967
Ion Ratio Lower Upper
43 100
58 37.1 32.6 49.0
85 15.9 14.6 22.0





#59
2-Hexanone
Concen: 125.680 ug/l
RT: 11.182 min Scan# 1569
Delta R.T. -0.024 min
Lab File: VN087366.D
Acq: 18 Jul 2025 15:02

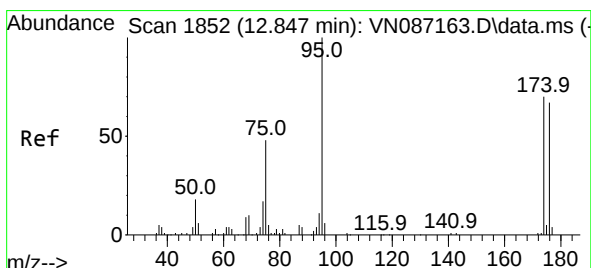
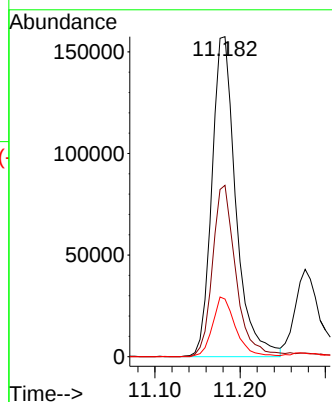
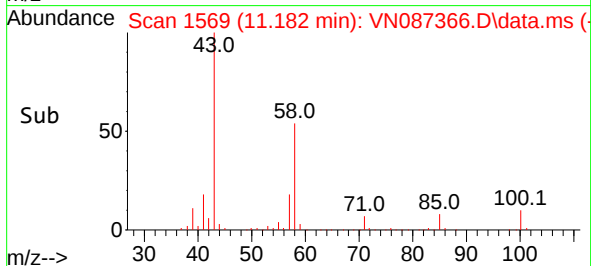
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



Tgt Ion: 43 Resp: 308090
Ion Ratio Lower Upper
43 100
58 52.3 49.2 73.8
57 18.0 15.3 22.9

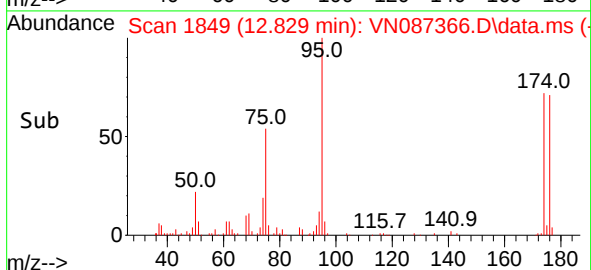
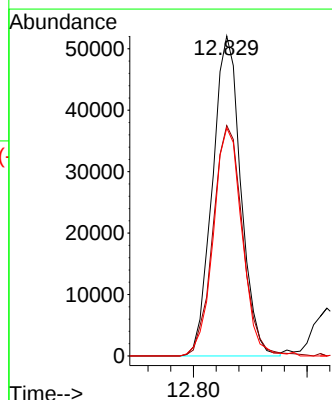
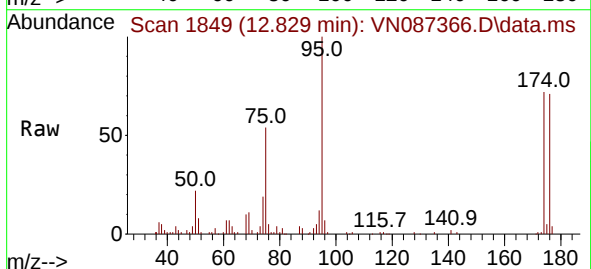
Manual Integrations
APPROVED

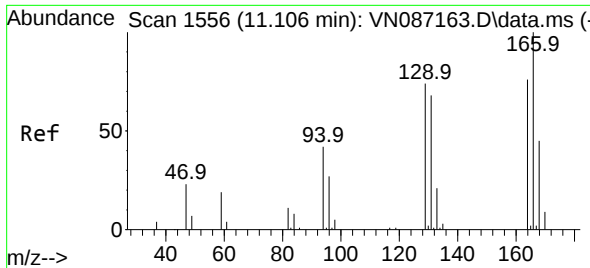
Reviewed By :John Carlone 07/21/2025
Supervised By :Mahesh Dadoda 07/21/2025



#60
4-Bromofluorobenzene
Concen: 31.019 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. -0.018 min
Lab File: VN087366.D
Acq: 18 Jul 2025 15:02

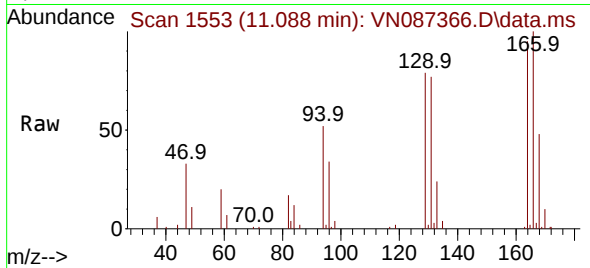
Tgt Ion: 95 Resp: 90388
Ion Ratio Lower Upper
95 100
174 75.3 54.5 81.7
176 71.9 51.9 77.9





#61
Tetrachloroethene
Concen: 20.484 ug/l
RT: 11.088 min Scan# 1553
Delta R.T. -0.018 min
Lab File: VN087366.D
Acq: 18 Jul 2025 15:02

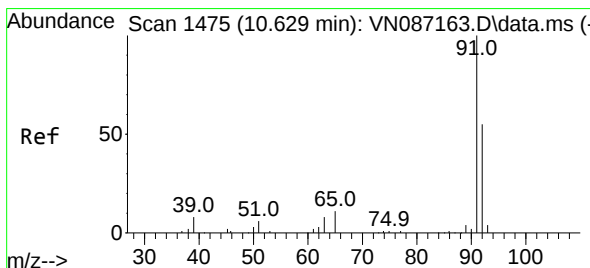
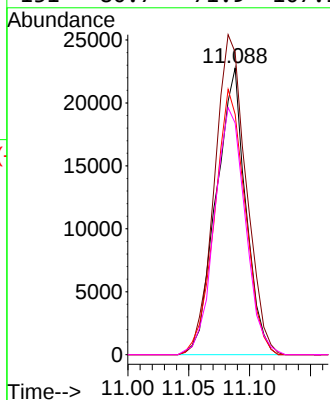
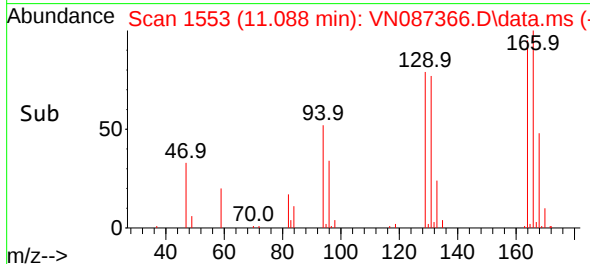
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



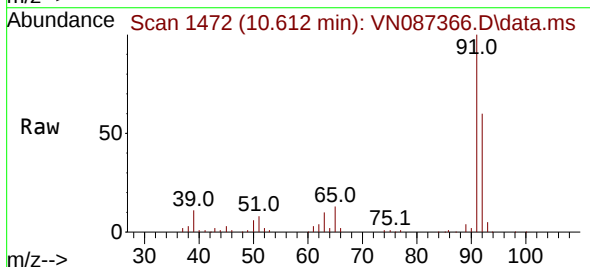
Tgt Ion:164 Resp: 3830
Ion Ratio Lower Upper
164 100
166 105.5 105.4 158.2
129 83.8 77.9 116.9
131 80.7 71.9 107.9

Manual Integrations
APPROVED

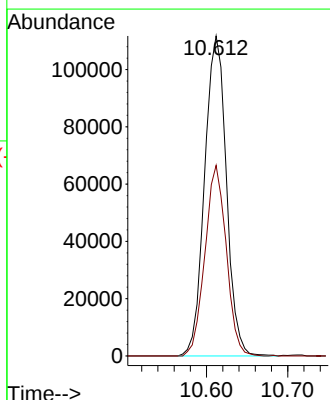
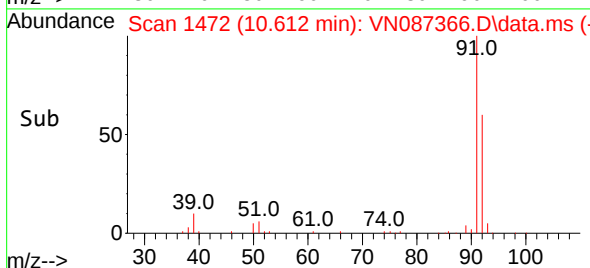
Reviewed By :John Carlone 07/21/2025
Supervised By :Mahesh Dadoda 07/21/2025

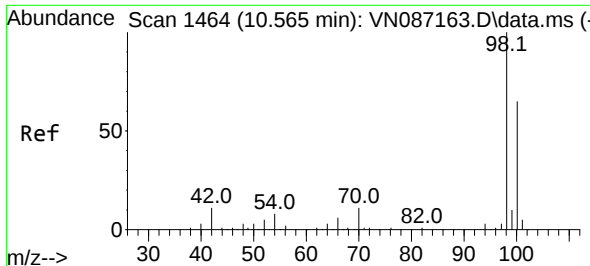


#62
Toluene
Concen: 19.514 ug/l
RT: 10.612 min Scan# 1472
Delta R.T. -0.018 min
Lab File: VN087366.D
Acq: 18 Jul 2025 15:02



Tgt Ion: 91 Resp: 208125
Ion Ratio Lower Upper
91 100
92 58.3 45.8 68.8





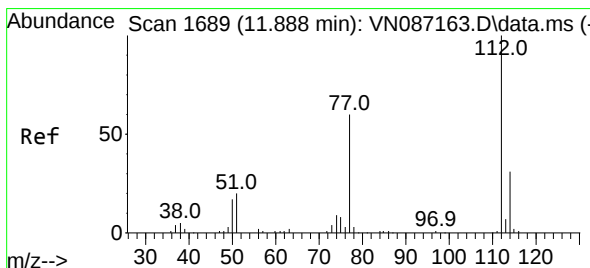
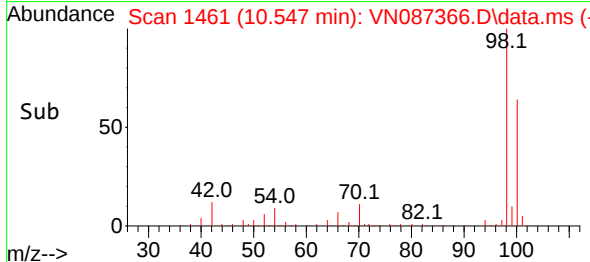
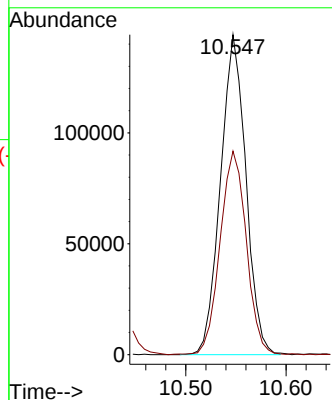
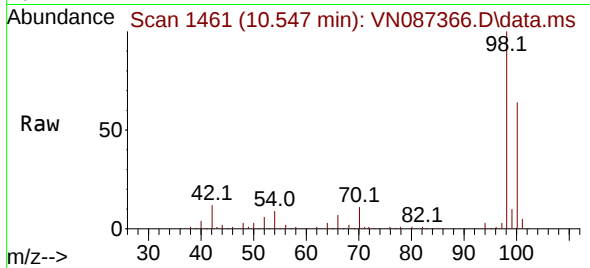
#63
Toluene-d8
Concen: 29.929 ug/l
RT: 10.547 min Scan# 1464
Delta R.T. -0.018 min
Lab File: VN087366.D
Acq: 18 Jul 2025 15:02

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tgt Ion: 98 Resp: 253758
Ion Ratio Lower Upper
98 100
100 65.6 52.5 78.7

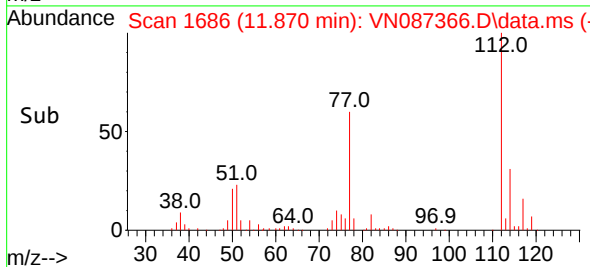
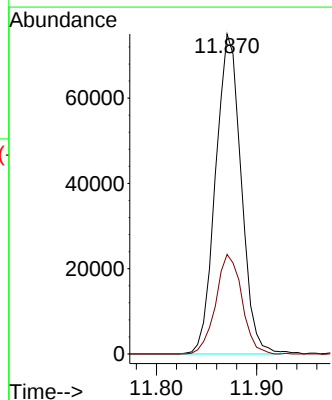
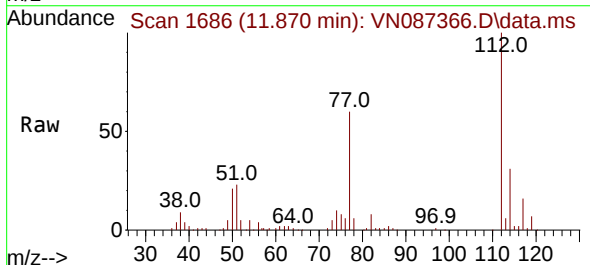
Manual Integrations
APPROVED

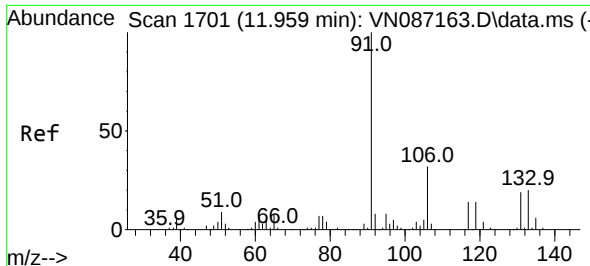
Reviewed By :John Carlone 07/21/2025
Supervised By :Mahesh Dadoda 07/21/2025



#64
Chlorobenzene
Concen: 19.529 ug/l
RT: 11.870 min Scan# 1686
Delta R.T. -0.018 min
Lab File: VN087366.D
Acq: 18 Jul 2025 15:02

Tgt Ion:112 Resp: 132857
Ion Ratio Lower Upper
112 100
114 31.1 25.0 37.4





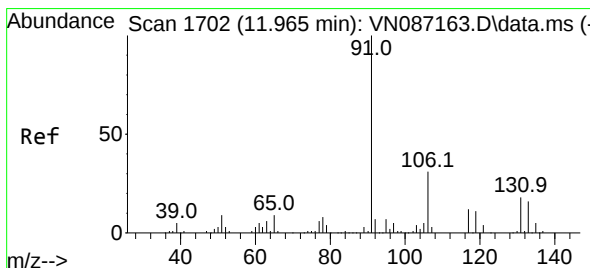
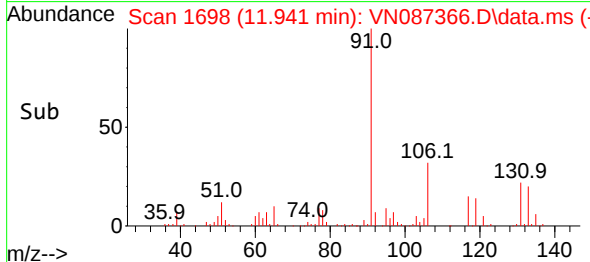
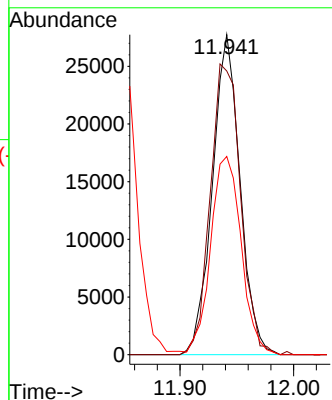
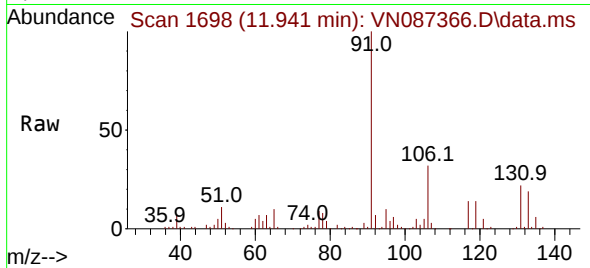
#65
1,1,1,2-Tetrachloroethane
Concen: 20.936 ug/l
RT: 11.941 min Scan# 1698
Delta R.T. -0.018 min
Lab File: VN087366.D
Acq: 18 Jul 2025 15:02

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tgt Ion:131 Resp: 47062
Ion Ratio Lower Upper
131 100
133 99.1 0.0 187.8
119 68.3 0.0 140.0

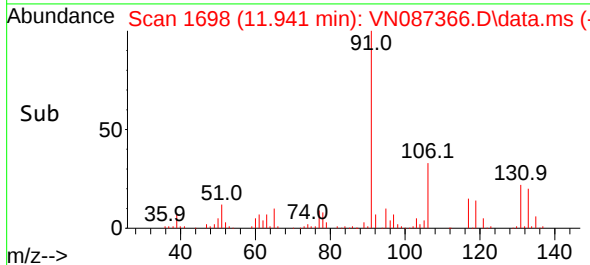
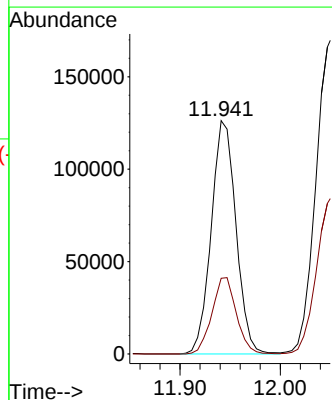
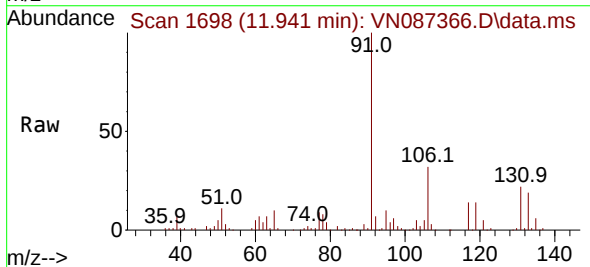
Manual Integrations
APPROVED

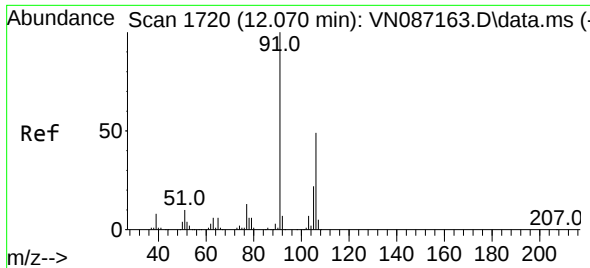
Reviewed By :John Carlone 07/21/2025
Supervised By :Mahesh Dadoda 07/21/2025



#66
Ethyl Benzene
Concen: 18.580 ug/l
RT: 11.941 min Scan# 1698
Delta R.T. -0.024 min
Lab File: VN087366.D
Acq: 18 Jul 2025 15:02

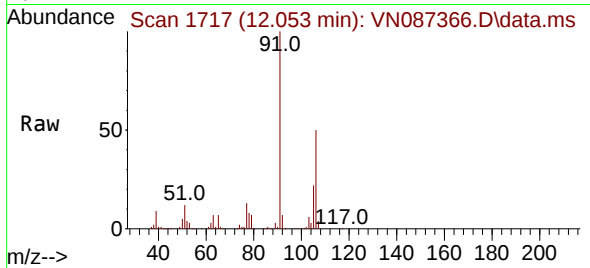
Tgt Ion: 91 Resp: 216892
Ion Ratio Lower Upper
91 100
106 32.5 24.8 37.2





#67
m/p-Xylenes
Concen: 38.194 ug/l
RT: 12.053 min Scan# 1717
Delta R.T. -0.018 min
Lab File: VN087366.D
Acq: 18 Jul 2025 15:02

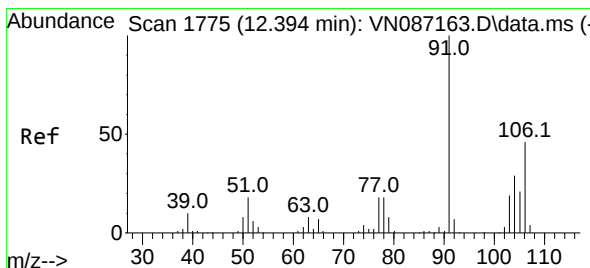
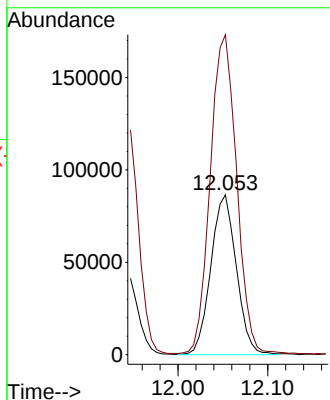
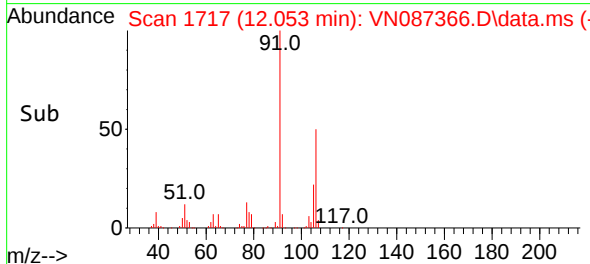
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



Tgt Ion:106 Resp: 17085
Ion Ratio Lower Upper
106 100
91 207.9 163.0 244.4

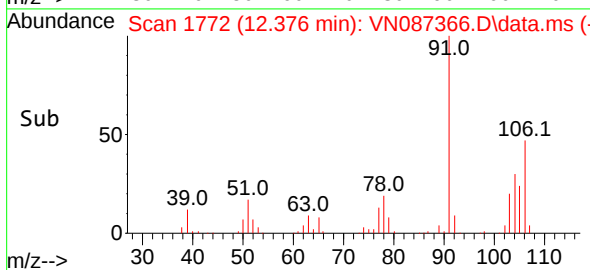
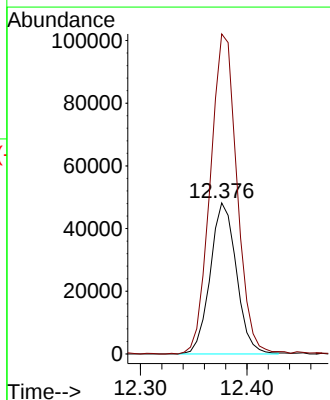
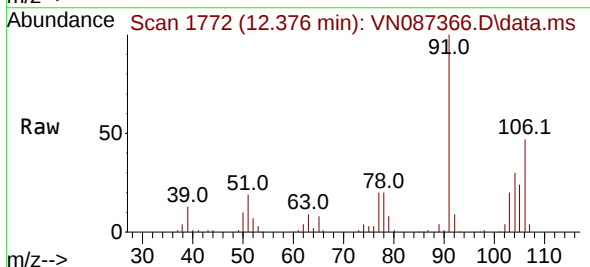
Manual Integrations
APPROVED

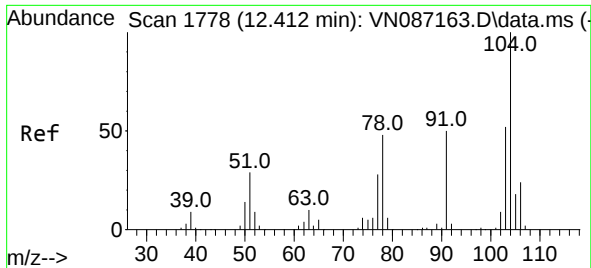
Reviewed By :John Carlone 07/21/2025
Supervised By :Mahesh Dadoda 07/21/2025



#68
o-Xylene
Concen: 19.247 ug/l
RT: 12.376 min Scan# 1772
Delta R.T. -0.018 min
Lab File: VN087366.D
Acq: 18 Jul 2025 15:02

Tgt Ion:106 Resp: 82143
Ion Ratio Lower Upper
106 100
91 215.8 107.1 321.1





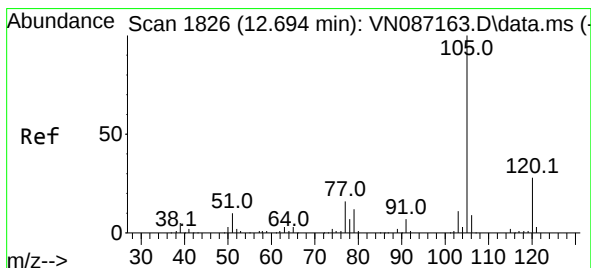
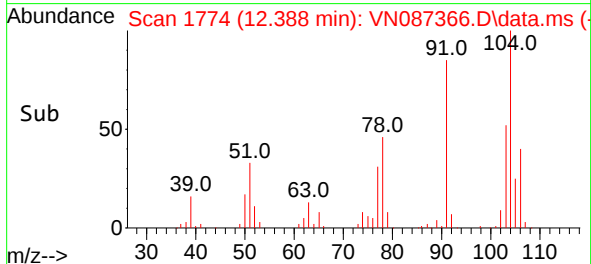
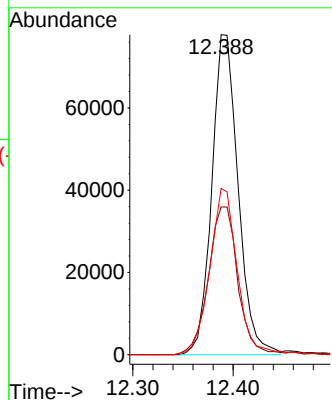
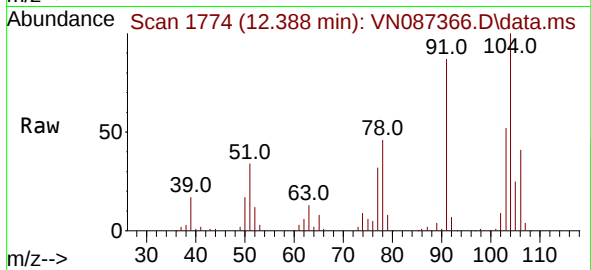
#69
Styrene
Concen: 19.381 ug/l
RT: 12.388 min Scan# 1774
Delta R.T. -0.024 min
Lab File: VN087366.D
Acq: 18 Jul 2025 15:02

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tgt Ion:104 Resp: 14200
Ion Ratio Lower Upper
104 100
78 51.5 39.8 59.8
103 54.0 44.2 66.4

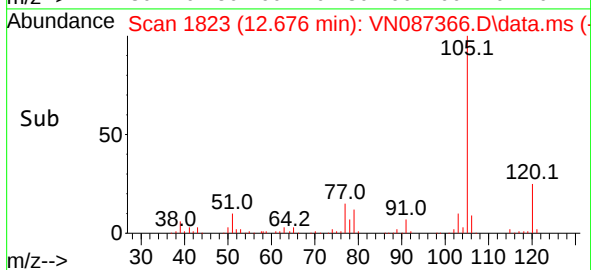
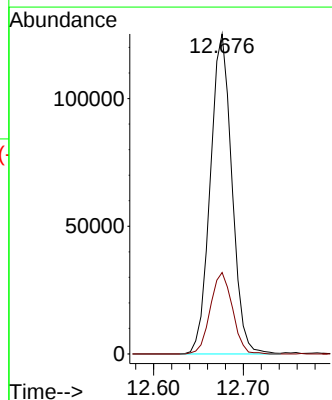
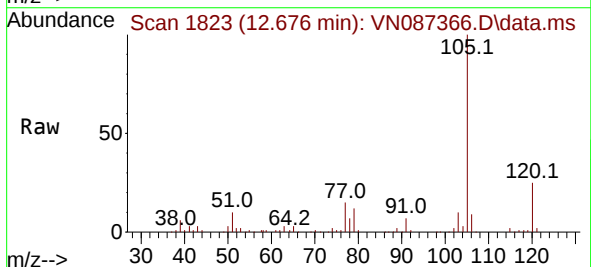
Manual Integrations
APPROVED

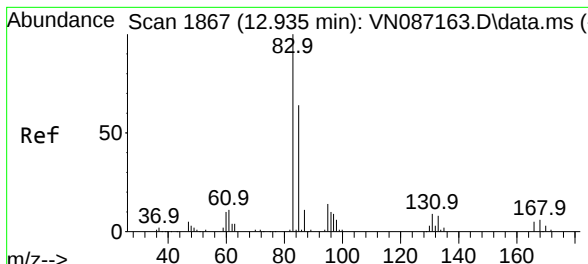
Reviewed By :John Carlone 07/21/2025
Supervised By :Mahesh Dadoda 07/21/2025



#70
Isopropylbenzene
Concen: 19.698 ug/l
RT: 12.676 min Scan# 1823
Delta R.T. -0.018 min
Lab File: VN087366.D
Acq: 18 Jul 2025 15:02

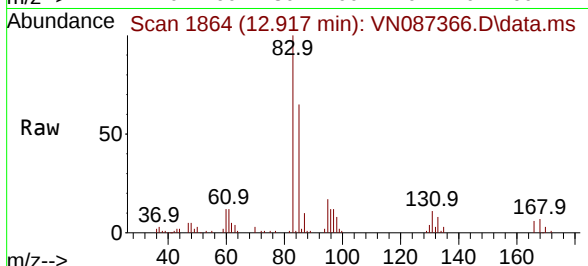
Tgt Ion:105 Resp: 209371
Ion Ratio Lower Upper
105 100
120 25.9 19.0 35.2





#71
1,1,2,2-Tetrachloroethane
Concen: 21.199 ug/l
RT: 12.917 min Scan# 1864
Delta R.T. -0.018 min
Lab File: VN087366.D
Acq: 18 Jul 2025 15:02

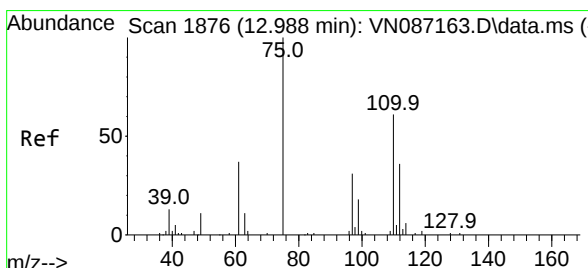
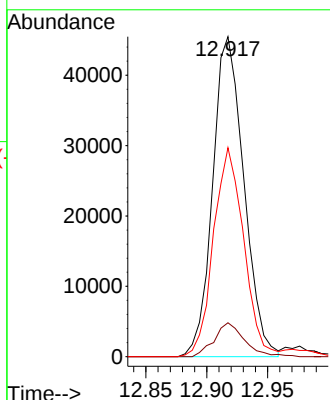
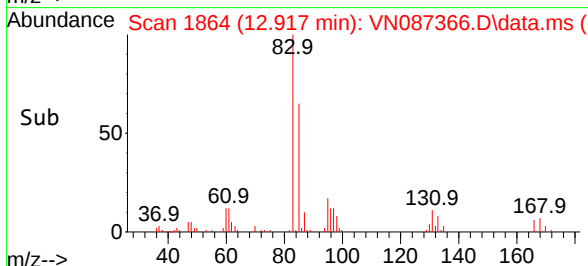
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



Tgt Ion: 83 Resp: 81104
Ion Ratio Lower Upper
83 100
131 10.3 4.5 13.4
85 63.3 31.3 93.9

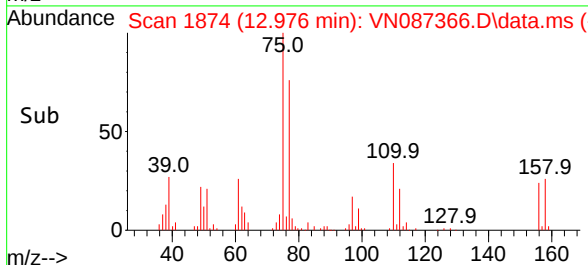
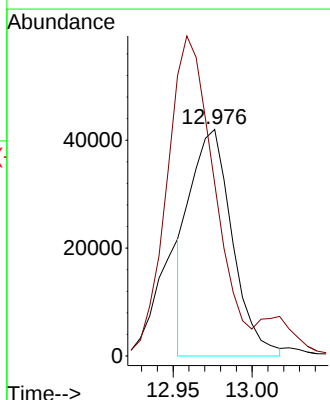
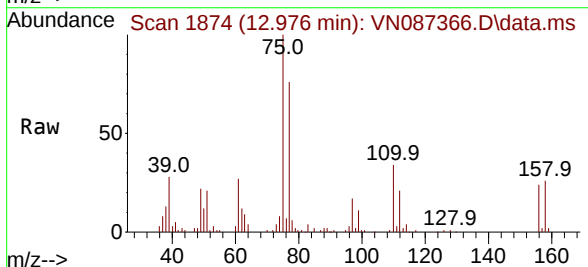
Manual Integrations
APPROVED

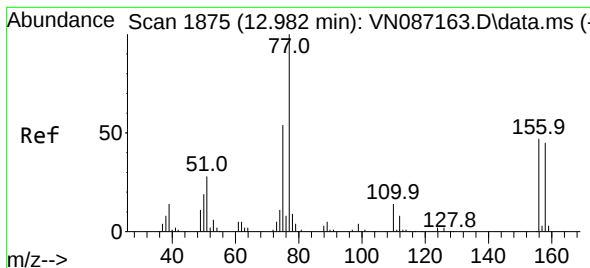
Reviewed By :John Carlone 07/21/2025
Supervised By :Mahesh Dadoda 07/21/2025



#72
1,2,3-Trichloropropane
Concen: 23.705 ug/l m
RT: 12.976 min Scan# 1874
Delta R.T. -0.012 min
Lab File: VN087366.D
Acq: 18 Jul 2025 15:02

Tgt Ion: 75 Resp: 78207
Ion Ratio Lower Upper
75 100
77 159.2 0.0 379.2





#73

Bromobenzene

Concen: 20.696 ug/l

RT: 12.965 min Scan# 1872

Delta R.T. -0.018 min

Lab File: VN087366.D

Acq: 18 Jul 2025 15:02

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

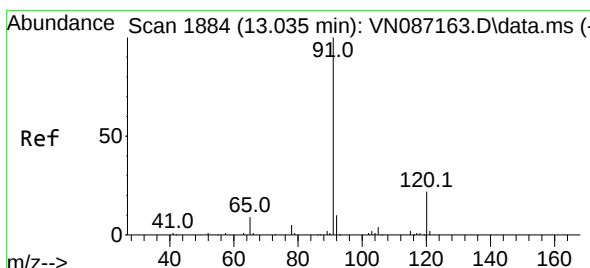
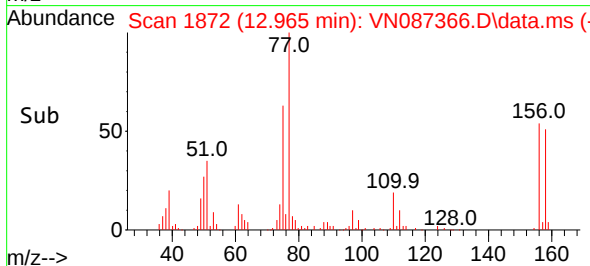
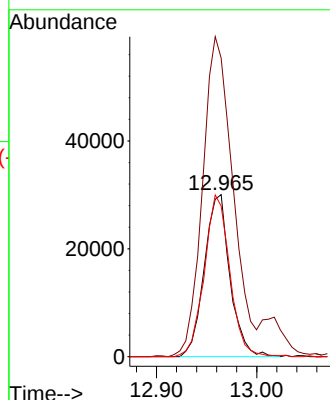
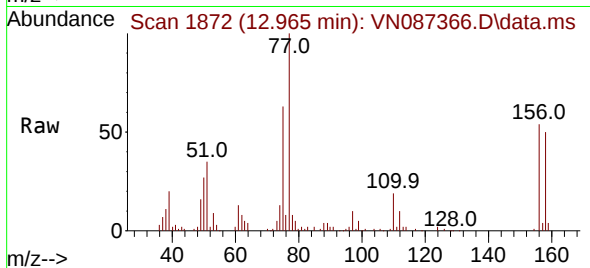
Tgt Ion:	156	Resp:	53362
Ion Ratio	Lower	Upper	
156	100		
77	233.4	0.0	489.0
158	99.2	0.0	195.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/21/2025

Supervised By :Mahesh Dadoda 07/21/2025



#74

n-propylbenzene

Concen: 20.109 ug/l

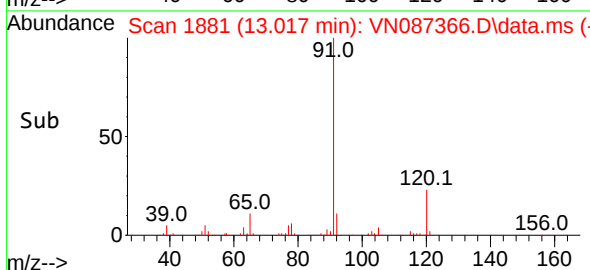
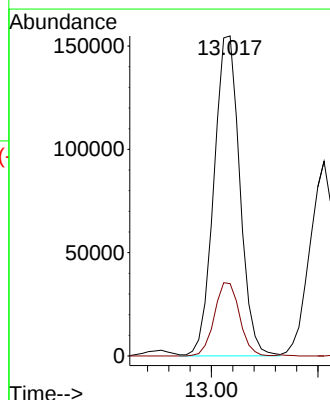
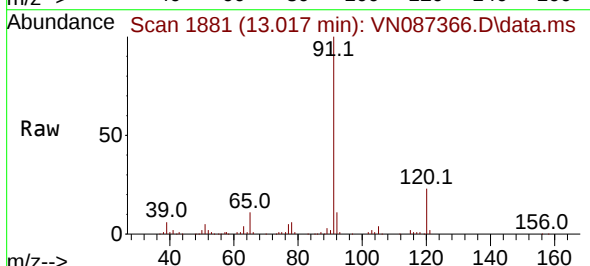
RT: 13.017 min Scan# 1881

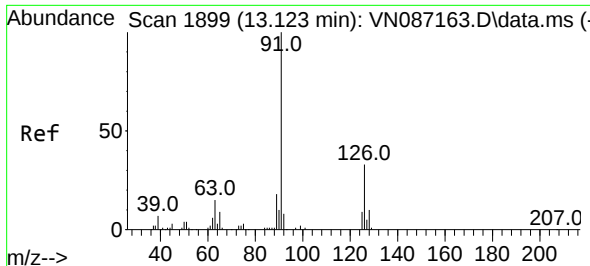
Delta R.T. -0.018 min

Lab File: VN087366.D

Acq: 18 Jul 2025 15:02

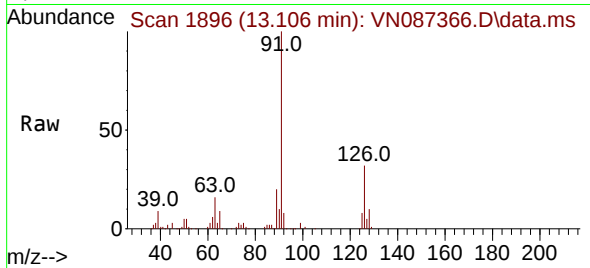
Tgt Ion:	91	Resp:	261124
Ion Ratio	Lower	Upper	
91	100		
120	22.2	0.0	43.6





#75
2-Chlorotoluene
Concen: 20.201 ug/l
RT: 13.106 min Scan# 11
Delta R.T. -0.018 min
Lab File: VN087366.D
Acq: 18 Jul 2025 15:02

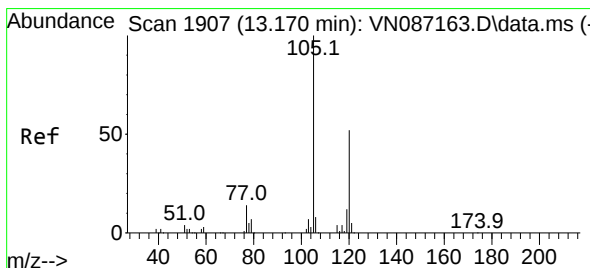
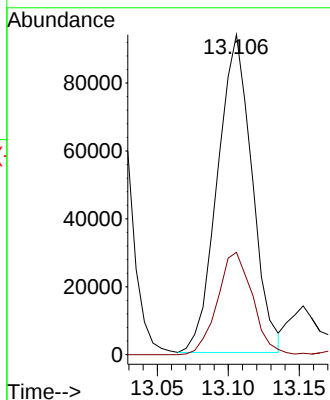
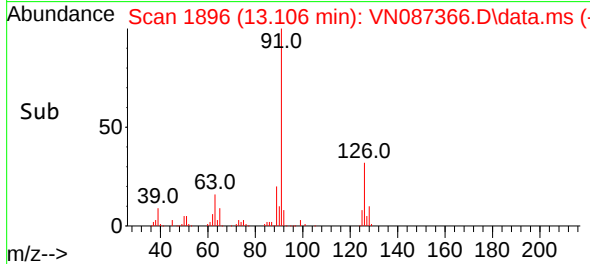
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



Tgt Ion: 91 Resp: 158474
Ion Ratio Lower Upper
91 100
126 32.6 0.0 63.8

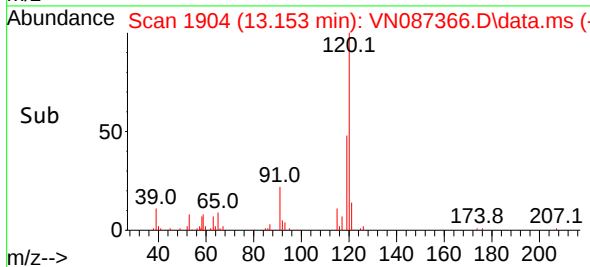
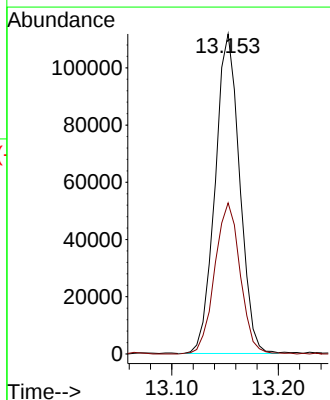
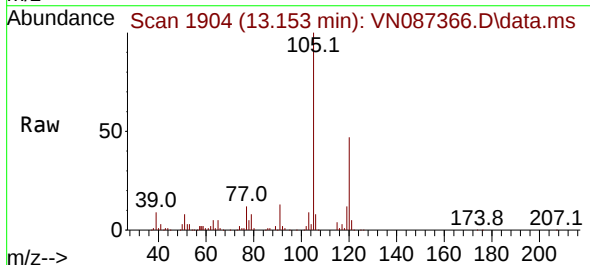
Manual Integrations
APPROVED

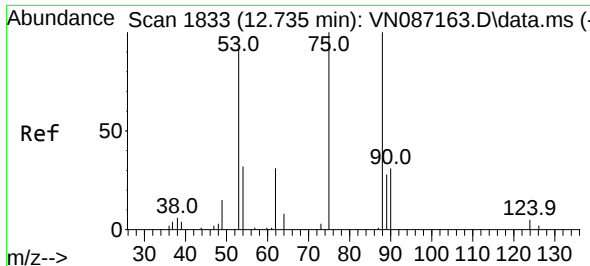
Reviewed By :John Carlone 07/21/2025
Supervised By :Mahesh Dadoda 07/21/2025



#76
1,3,5-Trimethylbenzene
Concen: 20.625 ug/l
RT: 13.153 min Scan# 1904
Delta R.T. -0.018 min
Lab File: VN087366.D
Acq: 18 Jul 2025 15:02

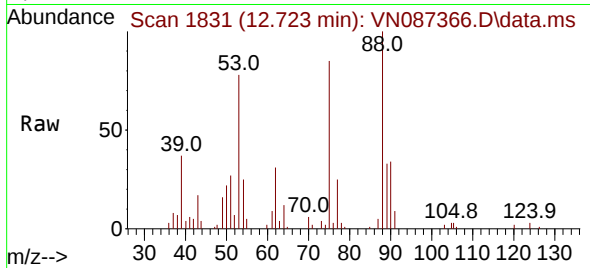
Tgt Ion:105 Resp: 178464
Ion Ratio Lower Upper
105 100
120 49.0 0.0 100.8





#77
t-1,4-Dichloro-2-butene
Concen: 16.730 ug/l
RT: 12.723 min Scan# 1833
Delta R.T. -0.012 min
Lab File: VN087366.D
Acq: 18 Jul 2025 15:02

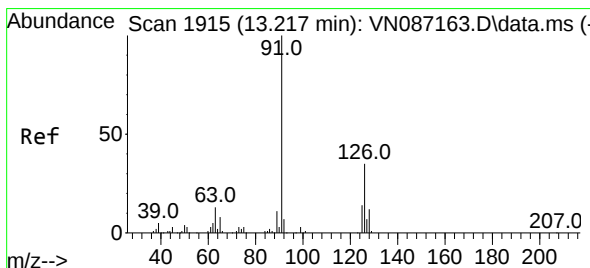
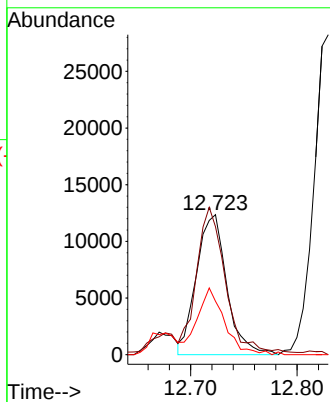
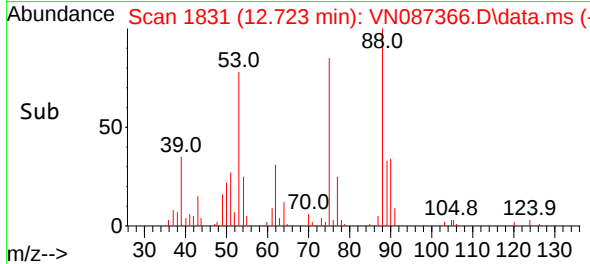
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



Tgt Ion: 75 Resp: 2448
Ion Ratio Lower Upper
75 100
53 87.8 45.9 137.6
89 36.3 22.3 66.9

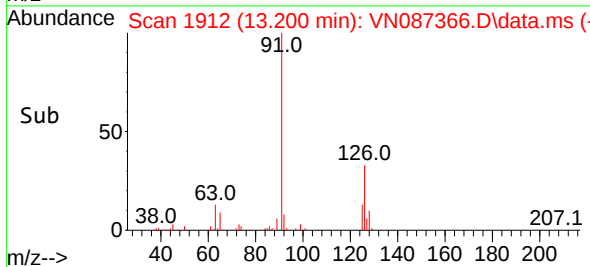
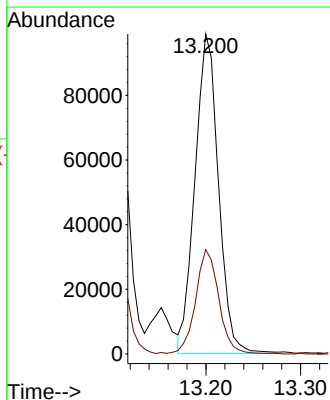
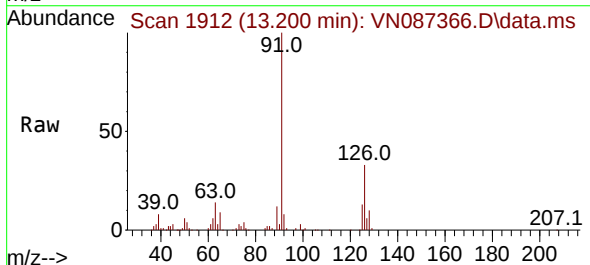
Manual Integrations
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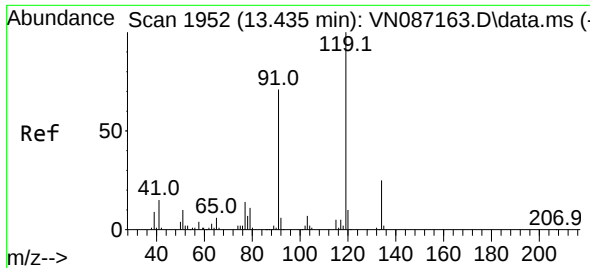
Reviewed By :John Carlone 07/21/2025
Supervised By :Mahesh Dadoda 07/21/2025



#78
4-Chlorotoluene
Concen: 21.214 ug/l
RT: 13.200 min Scan# 1912
Delta R.T. -0.018 min
Lab File: VN087366.D
Acq: 18 Jul 2025 15:02

Tgt Ion: 91 Resp: 170450
Ion Ratio Lower Upper
91 100
126 31.7 0.0 65.2





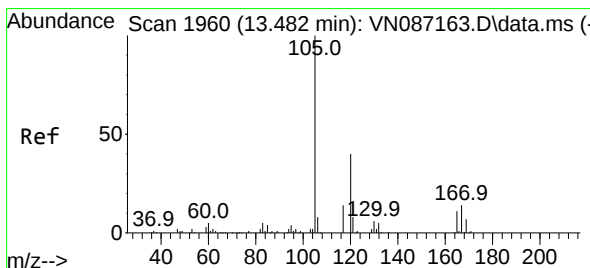
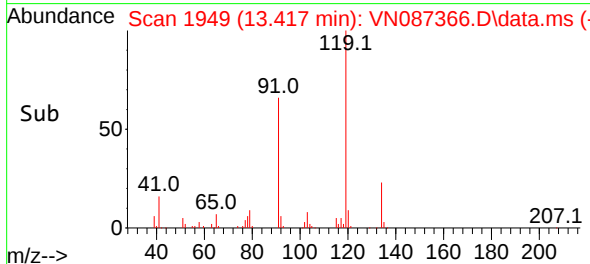
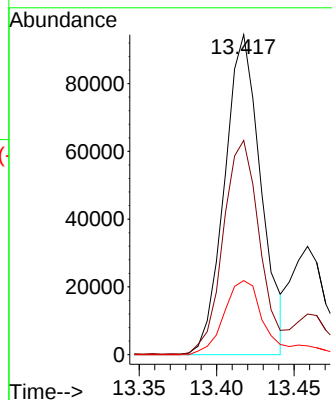
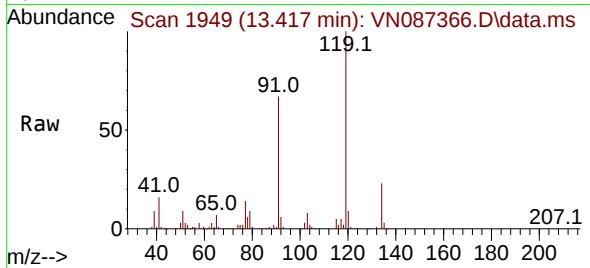
#79
tert-butylbenzene
Concen: 21.245 ug/l
RT: 13.417 min Scan# 1949
Delta R.T. -0.018 min
Lab File: VN087366.D
Acq: 18 Jul 2025 15:02

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tgt Ion:119 Resp: 15452
Ion Ratio Lower Upper
119 100
91 66.2 0.0 137.0
134 24.3 0.0 49.4

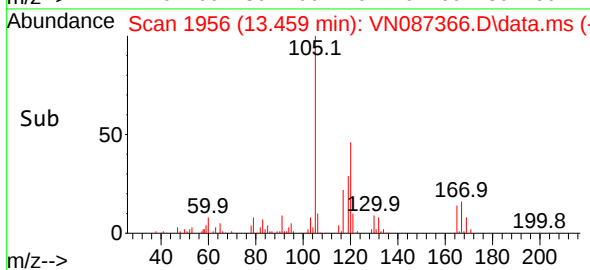
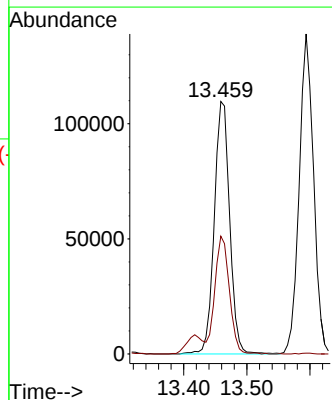
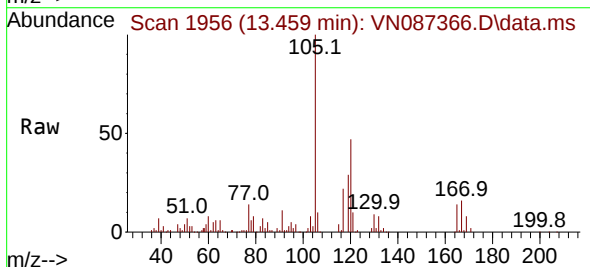
Manual Integrations
APPROVED

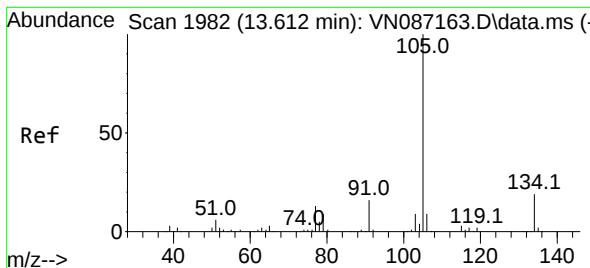
Reviewed By :John Carlone 07/21/2025
Supervised By :Mahesh Dadoda 07/21/2025



#80
1,2,4-Trimethylbenzene
Concen: 21.401 ug/l
RT: 13.459 min Scan# 1956
Delta R.T. -0.024 min
Lab File: VN087366.D
Acq: 18 Jul 2025 15:02

Tgt Ion:105 Resp: 185948
Ion Ratio Lower Upper
105 100
120 43.6 0.0 94.0





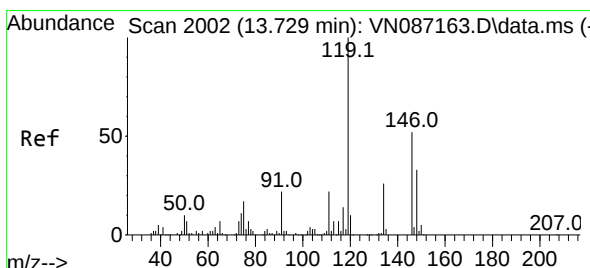
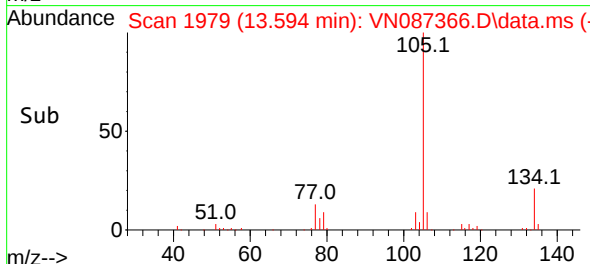
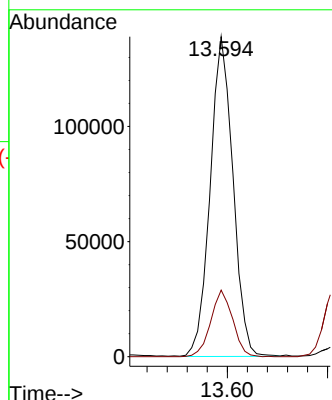
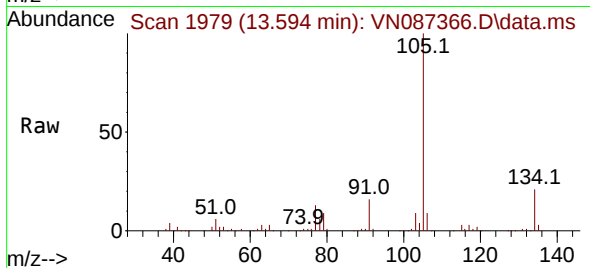
#81
 sec-Butylbenzene
 Concen: 20.746 ug/l
 RT: 13.594 min Scan# 1979
 Delta R.T. -0.018 min
 Lab File: VN087366.D
 Acq: 18 Jul 2025 15:02

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tgt Ion:105 Resp: 219360
 Ion Ratio Lower Upper
 105 100
 134 19.9 0.0 39.4

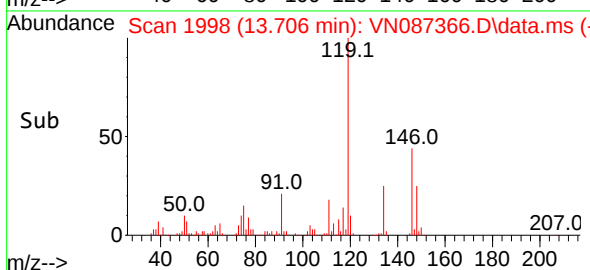
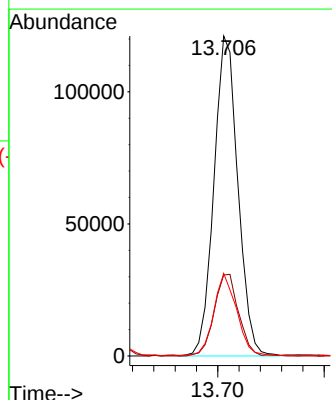
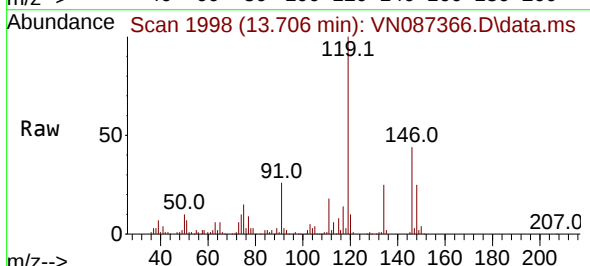
Manual Integrations
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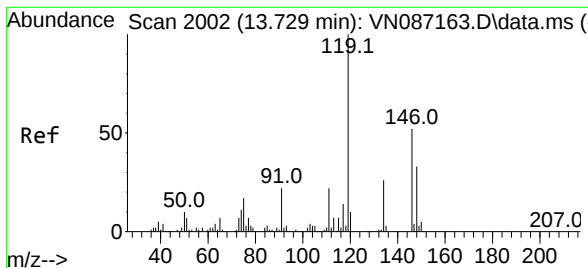
Reviewed By :John Carlone 07/21/2025
 Supervised By :Mahesh Dadoda 07/21/2025



#82
 p-Isopropyltoluene
 Concen: 21.514 ug/l
 RT: 13.706 min Scan# 1998
 Delta R.T. -0.024 min
 Lab File: VN087366.D
 Acq: 18 Jul 2025 15:02

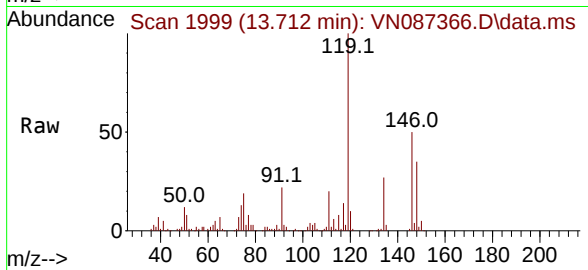
Tgt Ion:119 Resp: 189305
 Ion Ratio Lower Upper
 119 100
 134 25.8 0.0 51.2
 91 24.6 0.0 46.4





#83
1,3-Dichlorobenzene
Concen: 20.648 ug/l
RT: 13.712 min Scan# 1999
Delta R.T. -0.018 min
Lab File: VN087366.D
Acq: 18 Jul 2025 15:02

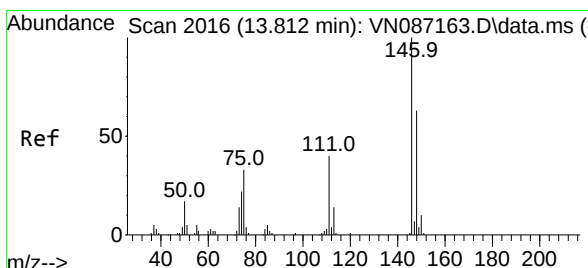
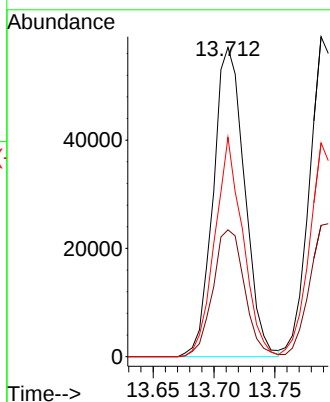
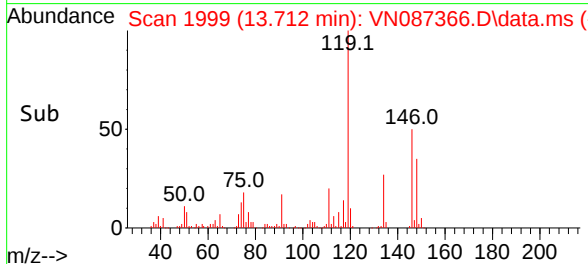
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



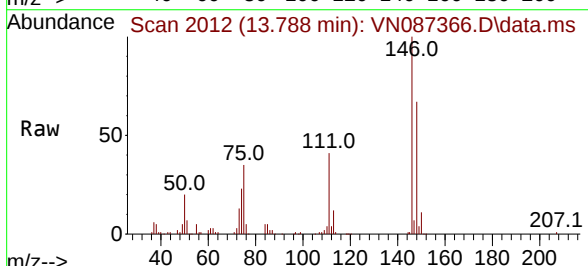
Tgt Ion:146 Resp: 102517
Ion Ratio Lower Upper
146 100
111 41.5 21.1 63.3
148 63.5 31.6 94.8

Manual Integrations
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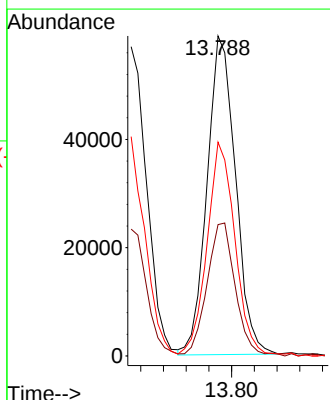
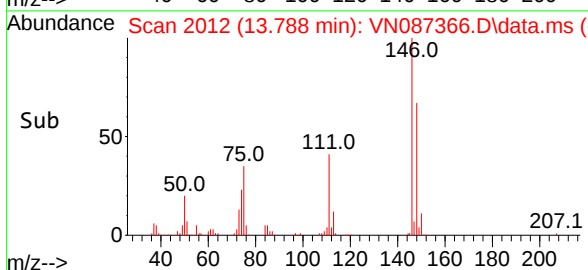
Reviewed By :John Carlone 07/21/2025
Supervised By :Mahesh Dadoda 07/21/2025

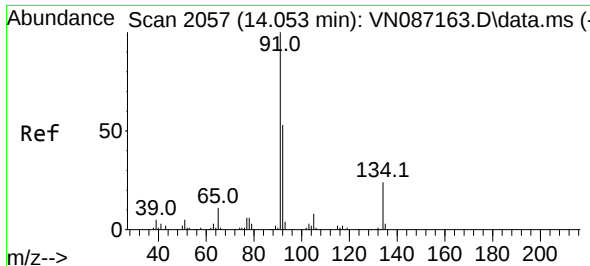


#84
1,4-Dichlorobenzene
Concen: 20.479 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. -0.024 min
Lab File: VN087366.D
Acq: 18 Jul 2025 15:02



Tgt Ion:146 Resp: 102332
Ion Ratio Lower Upper
146 100
111 41.2 20.1 60.2
148 66.1 31.4 94.2





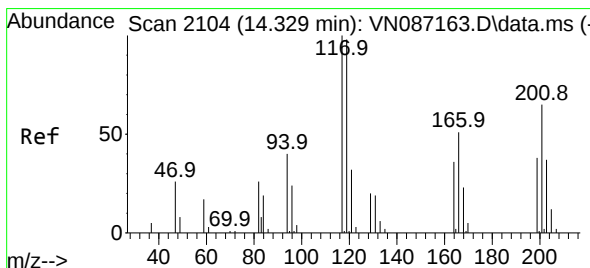
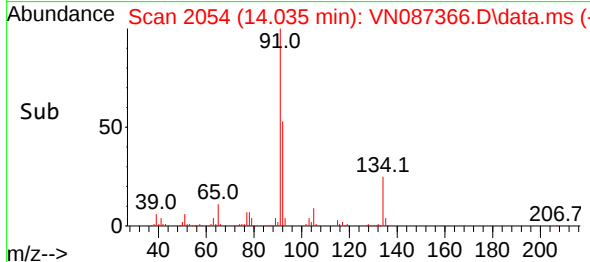
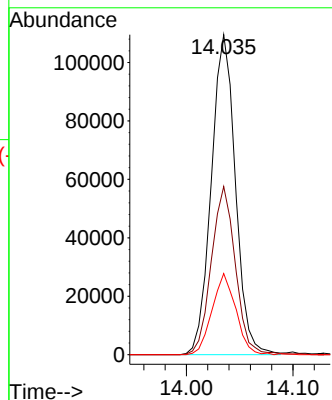
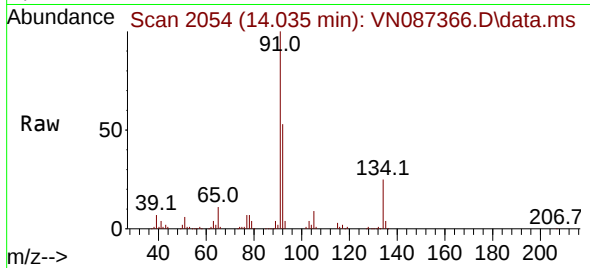
#85
n-Butylbenzene
Concen: 21.467 ug/l
RT: 14.035 min Scan# 2054
Delta R.T. -0.018 min
Lab File: VN087366.D
Acq: 18 Jul 2025 15:02

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tgt Ion: 91 Resp: 17234
Ion Ratio Lower Upper
91 100
92 52.3 0.0 106.4
134 24.9 0.0 48.8

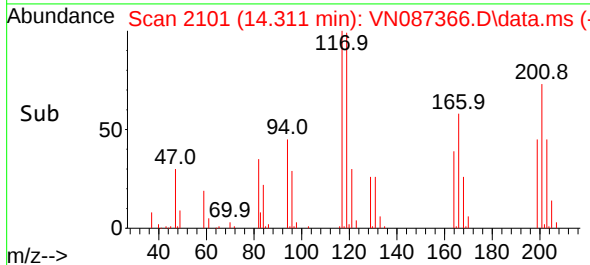
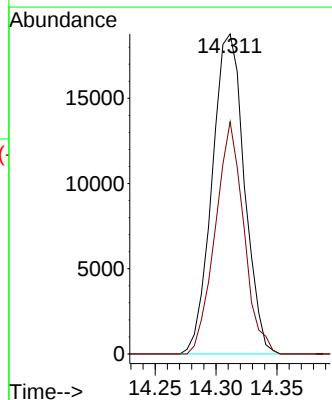
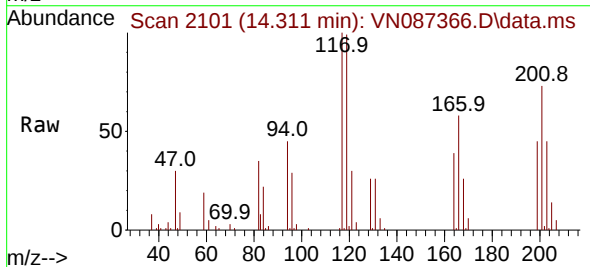
Manual Integrations
APPROVED

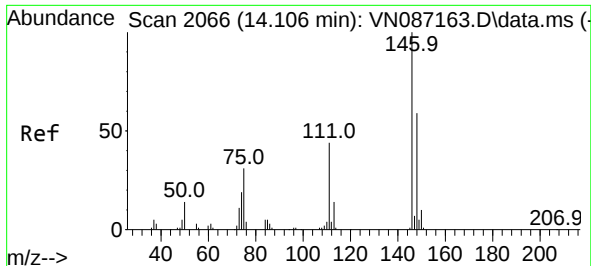
Reviewed By :John Carlone 07/21/2025
Supervised By :Mahesh Dadoda 07/21/2025



#86
Hexachloroethane
Concen: 20.743 ug/l
RT: 14.311 min Scan# 2101
Delta R.T. -0.018 min
Lab File: VN087366.D
Acq: 18 Jul 2025 15:02

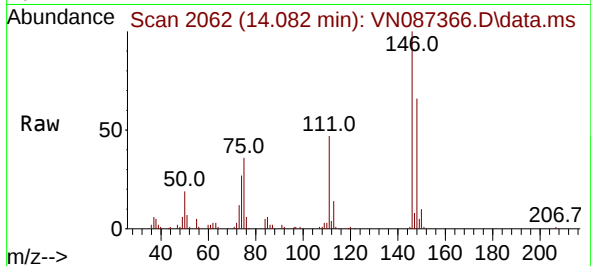
Tgt Ion:117 Resp: 34549
Ion Ratio Lower Upper
117 100
201 64.3 30.8 92.3





#87
1,2-Dichlorobenzene
Concen: 21.567 ug/l
RT: 14.082 min Scan# 2066
Delta R.T. -0.024 min
Lab File: VN087366.D
Acq: 18 Jul 2025 15:02

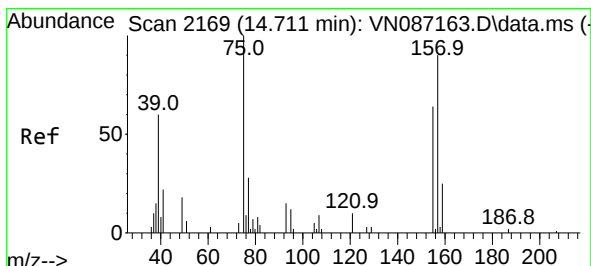
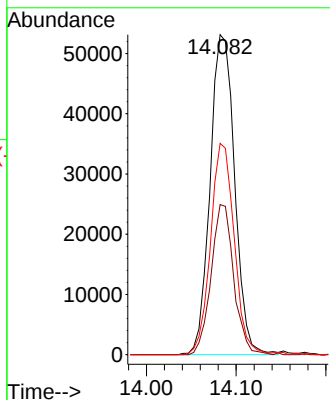
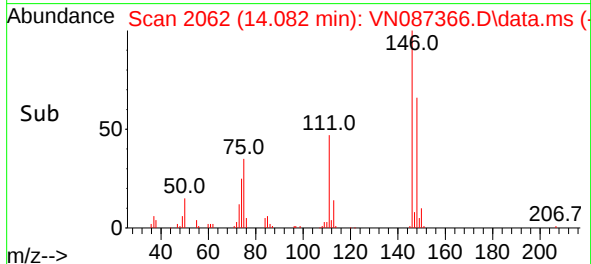
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



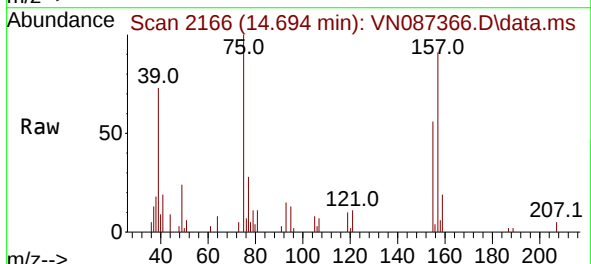
Tgt Ion:146 Resp: 100960
Ion Ratio Lower Upper
146 100
111 43.2 22.1 66.1
148 63.6 31.6 95.0

Manual Integrations
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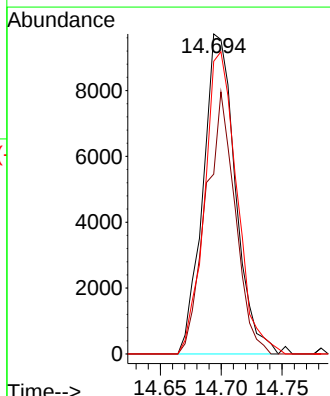
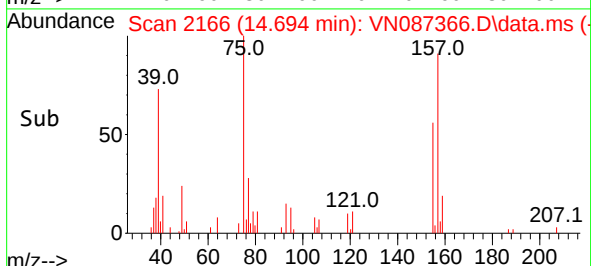
Reviewed By :John Carlone 07/21/2025
Supervised By :Mahesh Dadoda 07/21/2025

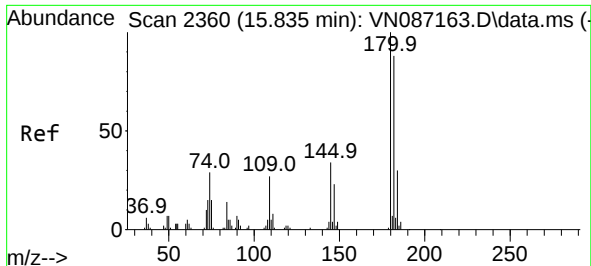


#88
1,2-Dibromo-3-Chloropropane
Concen: 20.879 ug/l
RT: 14.694 min Scan# 2166
Delta R.T. -0.018 min
Lab File: VN087366.D
Acq: 18 Jul 2025 15:02



Tgt Ion: 75 Resp: 17987
Ion Ratio Lower Upper
75 100
155 74.4 58.3 87.5
157 94.3 79.2 118.8





#89

1,2,4-Trichlorobenzene

Concen: 21.785 ug/l

RT: 15.817 min Scan# 21

Delta R.T. -0.018 min

Lab File: VN087366.D

Acq: 18 Jul 2025 15:02

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

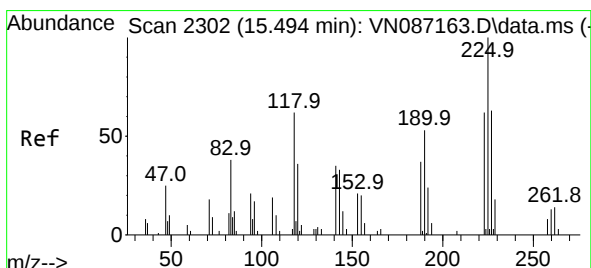
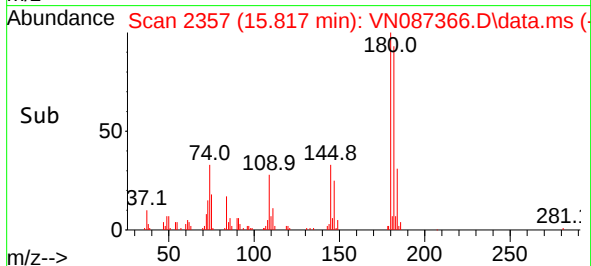
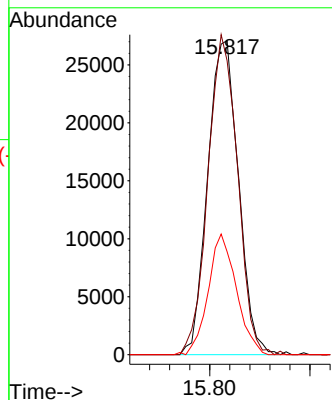
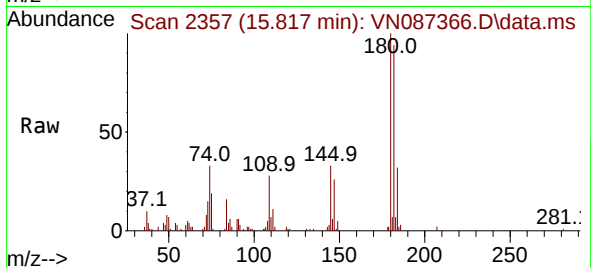
Tgt Ion:	180	Resp:	57700
Ion Ratio	Lower	Upper	
180	100		
182	97.7	74.2	111.2
145	35.1	27.6	41.4

Manual Integrations

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Reviewed By :John Carlone 07/21/2025

Supervised By :Mahesh Dadoda 07/21/2025



#90

Hexachlorobutadiene

Concen: 30.331 ug/l

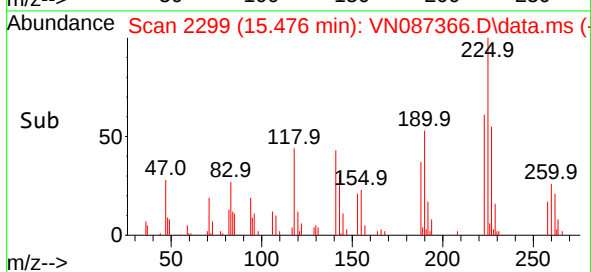
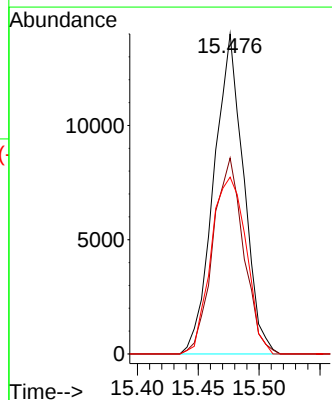
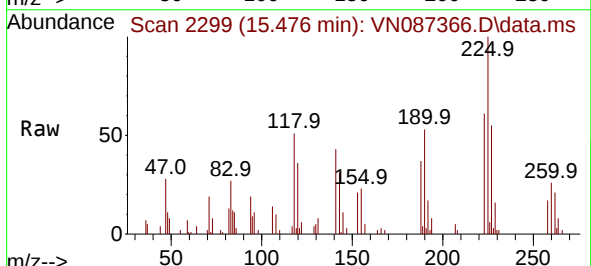
RT: 15.476 min Scan# 2299

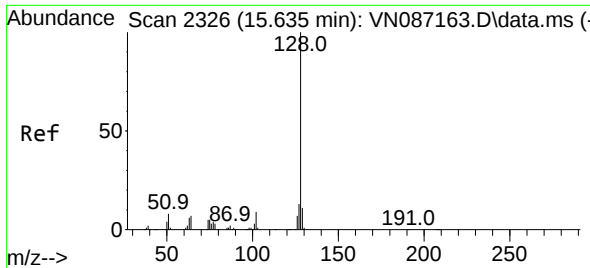
Delta R.T. -0.018 min

Lab File: VN087366.D

Acq: 18 Jul 2025 15:02

Tgt Ion:	225	Resp:	23839
Ion Ratio	Lower	Upper	
225	100		
223	63.3	0.0	134.2
227	65.1	0.0	122.6





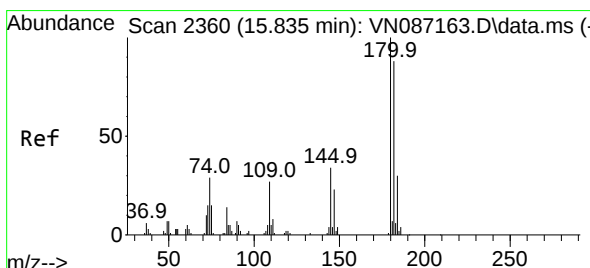
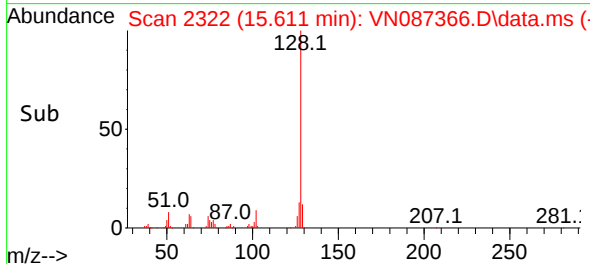
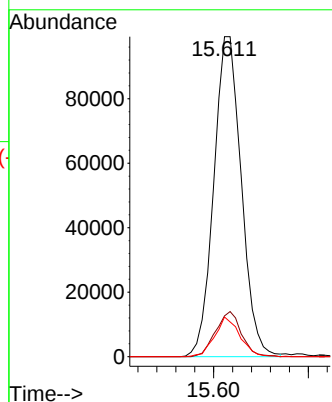
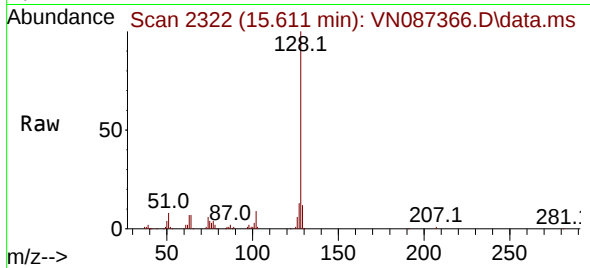
#91
Naphthalene
Concen: 19.237 ug/l
RT: 15.611 min Scan# 21
Delta R.T. -0.024 min
Lab File: VN087366.D
Acq: 18 Jul 2025 15:02

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tgt Ion:128 Resp: 20052
Ion Ratio Lower Upper
128 100
127 13.2 10.6 15.8
129 11.3 8.8 13.2

Manual Integrations
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Reviewed By :John Carlone 07/21/2025
Supervised By :Mahesh Dadoda 07/21/2025



#92
1,2,3-Trichlorobenzene
Concen: 21.785 ug/l
RT: 15.817 min Scan# 2357
Delta R.T. -0.018 min
Lab File: VN087366.D
Acq: 18 Jul 2025 15:02

Tgt Ion:180 Resp: 57700
Ion Ratio Lower Upper
180 100
182 97.7 0.0 185.4
145 35.1 0.0 69.0

