

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN042125\
 Data File : VN086360.D
 Acq On : 21 Apr 2025 16:10
 Operator : JC\MD
 Sample : VSTDC0020
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDC0020EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 04/22/2025
 Supervised By : Mahesh Dadoda 04/22/2025

Quant Time: Apr 22 01:51:13 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N041125W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Sat Apr 12 01:21:52 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	7.806	128	29446	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.094	114	183648	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.865	117	163822	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.577	65	88799	30.918	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 103.067%			
60) 4-Bromofluorobenzene	12.847	95	95061	29.145	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 97.167%			
63) Toluene-d8	10.565	98	271877	29.396	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 98.000%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.124	85	48831	20.697	ug/l	100
3) Chloromethane	2.359	50	62152	19.060	ug/l	99
4) Vinyl Chloride	2.518	62	61083	19.666	ug/l	95
5) Bromomethane	2.965	94	31926	20.607	ug/l	96
6) Chloroethane	3.124	64	40482	20.640	ug/l	97
7) Trichlorofluoromethane	3.500	101	72519	21.524	ug/l	96
8) Diethyl Ether	3.959	74	30147	19.402	ug/l	93
9) 1,1,2-Trichlorotrifluo...	4.371	101	43222	20.803	ug/l	97
10) 1,1-Dichloroethene	4.342	96	43616	19.452	ug/l	95
11) Methyl Iodide	4.589	142	49002	19.015	ug/l	96
12) Methyl Acetate	5.018	43	59294	18.726	ug/l	98
13) Acrolein	4.183	56	30536	84.842	ug/l	96
14) Acrylonitrile	5.712	53	109765	82.116	ug/l	97
15) Acetone	4.424	58	27858	82.195	ug/l	85
16) Carbon Disulfide	4.712	76	120448	18.734	ug/l	98
17) Allyl chloride	5.018	41	69973	17.905	ug/l	94
18) Methylene Chloride	5.271	84	49316	19.291	ug/l	93
19) trans-1,2-Dichloroethene	5.783	96	46641	19.748	ug/l	97
20) Diisopropyl ether	6.665	45	167888	19.983	ug/l	99
21) 1,1-Dichloroethane	6.559	63	91247	20.357	ug/l	98
22) cis-1,2-Dichloroethene	7.483	96	57401	20.402	ug/l	98
23) tert-Butyl Alcohol	5.506	59	41075	74.161	ug/l #	100
24) Methyl tert-Butyl Ether	5.794	73	163539	20.211	ug/l	100
25) Chloroform	7.959	83	92305	21.595	ug/l	99
26) Cyclohexane	8.253	56	79070	18.855	ug/l #	98
29) 1,1-Dichloropropene	8.365	75	66085	20.087	ug/l	98
30) 2-Butanone	7.477	43	150001	82.284	ug/l	99
31) 2,2-Dichloropropane	7.488	77	83197	20.545	ug/l	97
32) 1,1,1-Trichloroethane	8.165	97	79243	20.939	ug/l	99
33) Carbon Tetrachloride	8.359	117	64173	21.219	ug/l	98
34) Benzene	8.600	78	208000	19.873	ug/l	96
35) Methacrylonitrile	7.771	41	35438	17.244	ug/l	98
36) 1,2-Dichloroethane	8.665	62	68352	20.869	ug/l	96
37) Trichloroethene	9.347	130	50679	20.068	ug/l	98
38) Methylcyclohexane	9.594	83	77250	19.146	ug/l	98
39) 1,2-Dichloropropane	9.618	63	51318	19.705	ug/l	99
40) Dibromomethane	9.700	93	34390	20.445	ug/l	98
41) Bromodichloromethane	9.882	83	73858	20.439	ug/l	98
42) Vinyl Acetate	6.600	43	567195	91.405	ug/l	99

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 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

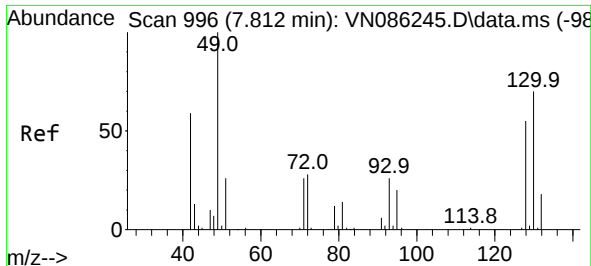
Manual Integrations
 APPROVED

Reviewed By : John Carlone 04/22/2025
 Supervised By : Mahesh Dadoda 04/22/2025

Quant Time: Apr 22 01:51:13 2025
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 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Sat Apr 12 01:21:52 2025
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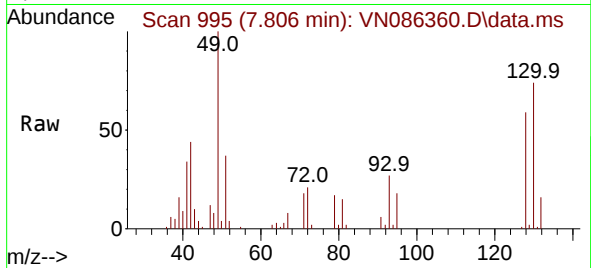
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	7.553	43	61171	16.636	ug/l	98
44) Isopropyl Acetate	8.682	43	121521	17.815	ug/l	99
45) 1,4-Dioxane	9.688	88	17330	319.495	ug/l #	89
46) Methyl methacrylate	9.677	41	53637	17.846	ug/l	91
47) n-amyl Acetate	12.488	43	101045	18.683	ug/l	99
48) t-1,3-Dichloropropene	10.835	75	81283	19.897	ug/l	100
49) cis-1,3-Dichloropropene	10.306	75	85767	19.837	ug/l	94
50) 1,1,2-Trichloroethane	11.012	97	47403	20.093	ug/l	97
51) Ethyl methacrylate	10.871	69	82226	18.755	ug/l	97
52) 1,3-Dichloropropane	11.159	76	84665	20.135	ug/l	100
53) Dibromochloromethane	11.353	129	52195	20.226	ug/l	98
54) 1,2-Dibromoethane	11.465	107	48128	20.209	ug/l	100
55) 2-Chloroethyl vinyl ether	10.153	63	191077	115.340	ug/l	99
56) Bromoform	12.576	173	32976	19.532	ug/l #	97
58) 4-Methyl-2-Pentanone	10.441	43	322698	86.802	ug/l	100
59) 2-Hexanone	11.188	43	232809	84.100	ug/l	100
61) Tetrachloroethene	11.100	164	49436	20.434	ug/l	97
62) Toluene	10.624	91	225579	20.529	ug/l	99
64) Chlorobenzene	11.888	112	137946	20.549	ug/l	98
65) 1,1,1,2-Tetrachloroethane	11.953	131	46281	20.890	ug/l	98
66) Ethyl Benzene	11.959	91	249125	20.444	ug/l	99
67) m/p-Xylenes	12.065	106	184109	40.632	ug/l	99
68) o-Xylene	12.394	106	90663	20.342	ug/l	100
69) Styrene	12.406	104	152049	20.229	ug/l	99
70) Isopropylbenzene	12.688	105	228298	20.775	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.935	83	64003	20.462	ug/l	98
72) 1,2,3-Trichloropropane	12.988	75	61004m	18.737	ug/l	
73) Bromobenzene	12.976	156	51313	21.078	ug/l	92
74) n-propylbenzene	13.029	91	268911	20.724	ug/l	99
75) 2-Chlorotoluene	13.123	91	164848	20.212	ug/l	100
76) 1,3,5-Trimethylbenzene	13.170	105	185952	20.599	ug/l	98
77) t-1,4-Dichloro-2-butene	12.735	75	25918	17.264	ug/l	96
78) 4-Chlorotoluene	13.217	91	161949	19.882	ug/l	98
79) tert-butylbenzene	13.435	119	158157	20.248	ug/l	99
80) 1,2,4-Trimethylbenzene	13.476	105	186522	20.377	ug/l	98
81) sec-Butylbenzene	13.612	105	229744	21.086	ug/l	100
82) p-Isopropyltoluene	13.723	119	187345	20.612	ug/l	100
83) 1,3-Dichlorobenzene	13.729	146	93677	20.704	ug/l	99
84) 1,4-Dichlorobenzene	13.812	146	92259	20.325	ug/l	98
85) n-Butylbenzene	14.053	91	172501	21.038	ug/l	98
86) Hexachloroethane	14.329	117	31064	20.260	ug/l	98
87) 1,2-Dichlorobenzene	14.100	146	91617	20.507	ug/l	99
88) 1,2-Dibromo-3-Chloropr...	14.717	75	12358	17.346	ug/l	98
89) 1,2,4-Trichlorobenzene	15.835	180	43340	19.938	ug/l	99
90) Hexachlorobutadiene	15.494	225	18147	19.335	ug/l	100
91) Naphthalene	15.635	128	151480	17.675	ug/l	100
92) 1,2,3-Trichlorobenzene	15.835	180	43340	19.938	ug/l	99

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



#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.806 min Scan# 996
Delta R.T. -0.006 min
Lab File: VN086360.D
Acq: 21 Apr 2025 16:10

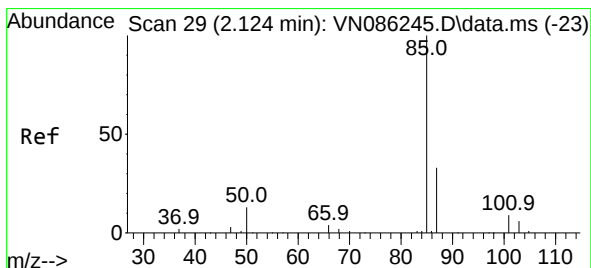
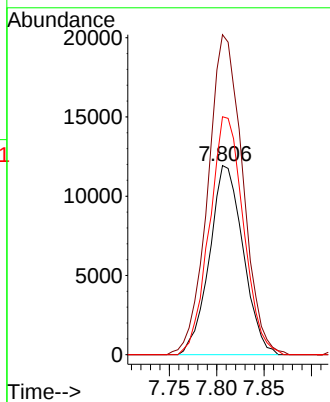
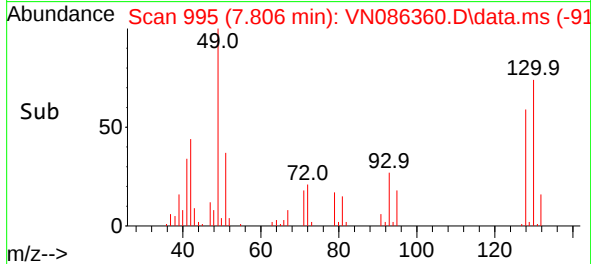
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



Tgt Ion:128 Resp: 29440
Ion Ratio Lower Upper
128 100
49 175.4 0.0 452.5
130 127.7 0.0 315.0

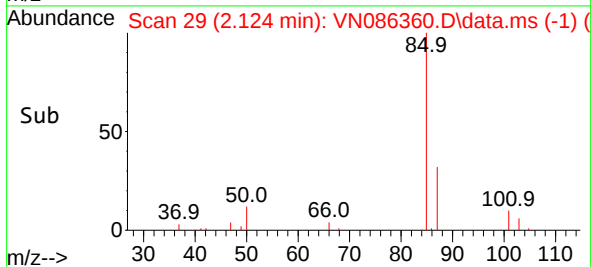
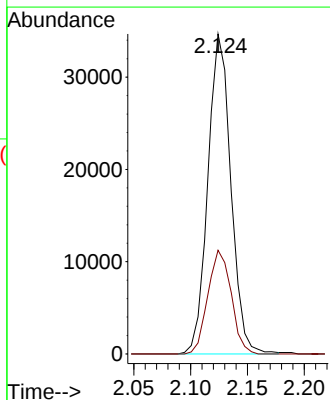
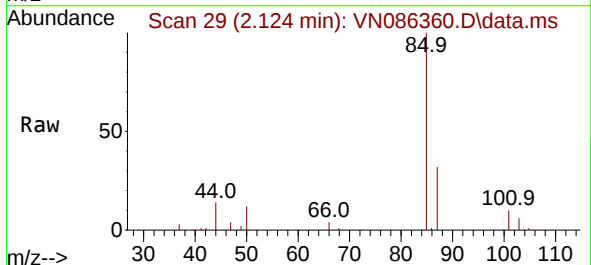
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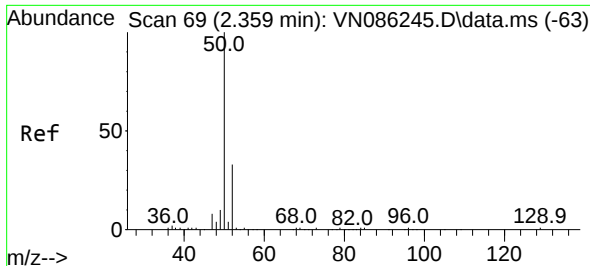
Reviewed By :John Carlone 04/22/2025
Supervised By :Mahesh Dadoda 04/22/2025



#2
Dichlorodifluoromethane
Concen: 20.697 ug/l
RT: 2.124 min Scan# 29
Delta R.T. -0.000 min
Lab File: VN086360.D
Acq: 21 Apr 2025 16:10

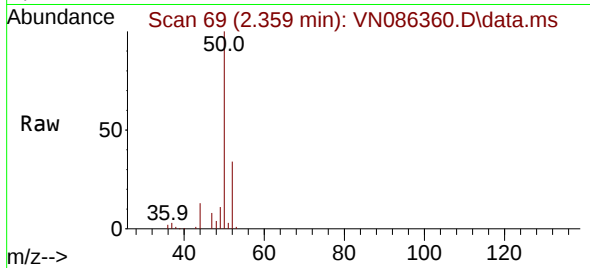
Tgt Ion: 85 Resp: 48831
Ion Ratio Lower Upper
85 100
87 32.4 16.3 48.9





#3
Chloromethane
Concen: 19.060 ug/l
RT: 2.359 min Scan# 69
Delta R.T. -0.000 min
Lab File: VN086360.D
Acq: 21 Apr 2025 16:10

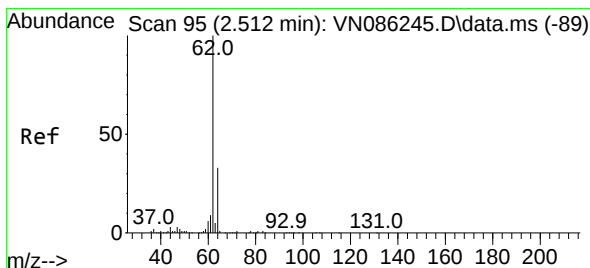
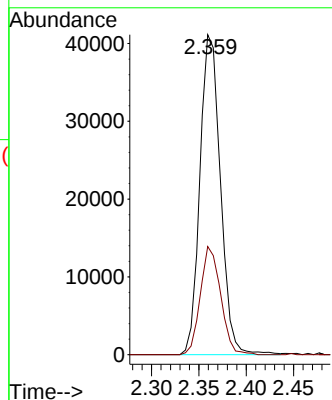
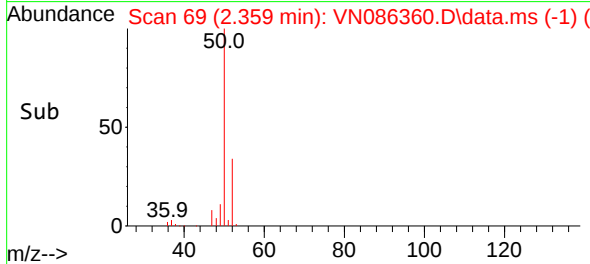
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



Tgt Ion: 50 Resp: 62152
Ion Ratio Lower Upper
50 100
52 33.8 26.4 39.6

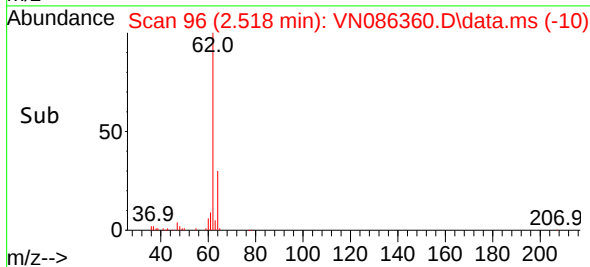
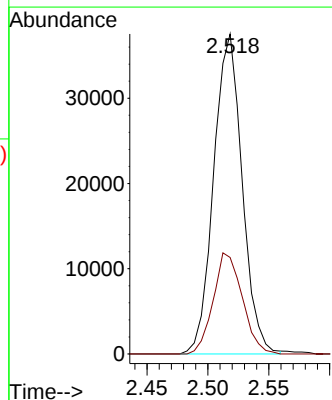
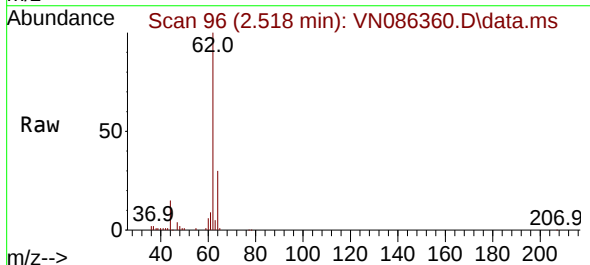
Manual Integrations
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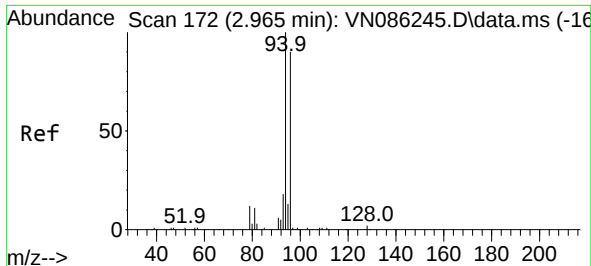
Reviewed By :John Carlone 04/22/2025
Supervised By :Mahesh Dadoda 04/22/2025



#4
Vinyl Chloride
Concen: 19.666 ug/l
RT: 2.518 min Scan# 96
Delta R.T. 0.006 min
Lab File: VN086360.D
Acq: 21 Apr 2025 16:10

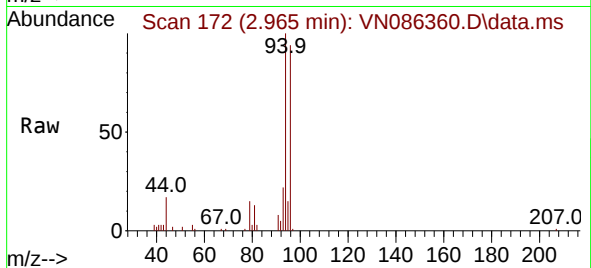
Tgt Ion: 62 Resp: 61083
Ion Ratio Lower Upper
62 100
64 30.2 26.3 39.5





#5
Bromomethane
Concen: 20.607 ug/l
RT: 2.965 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN086360.D
Acq: 21 Apr 2025 16:10

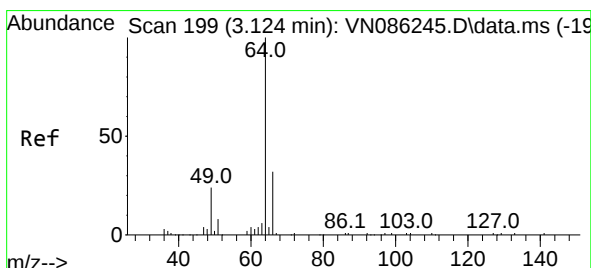
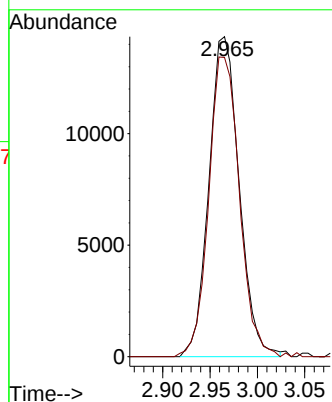
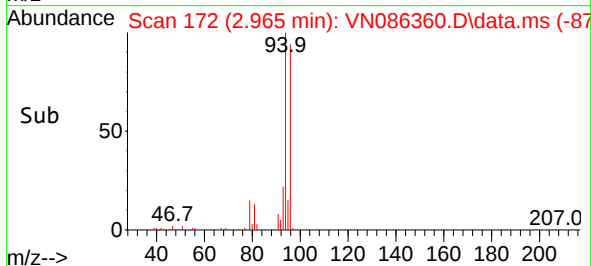
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



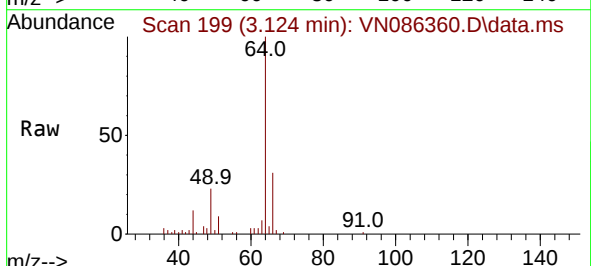
Tgt Ion: 94 Resp: 31920
Ion Ratio Lower Upper
94 100
96 93.5 72.2 108.2

Manual Integrations
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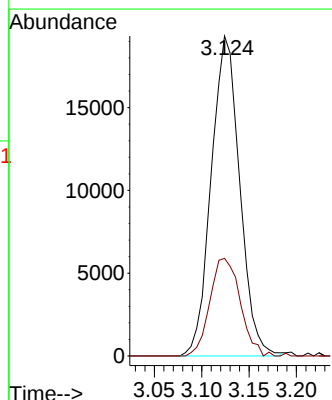
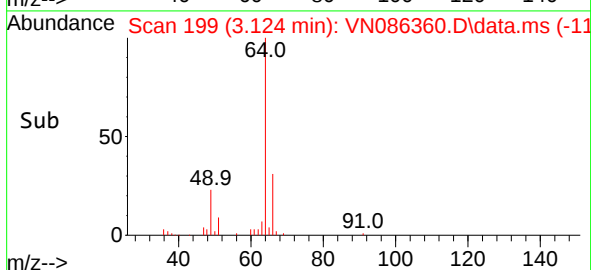
Reviewed By :John Carlone 04/22/2025
Supervised By :Mahesh Dadoda 04/22/2025

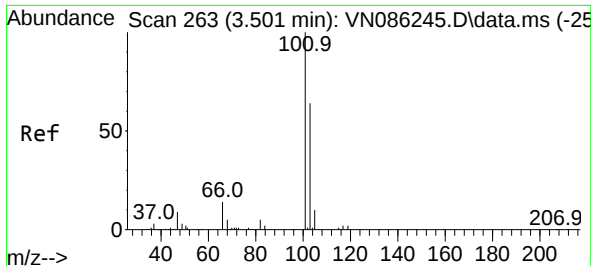


#6
Chloroethane
Concen: 20.640 ug/l
RT: 3.124 min Scan# 199
Delta R.T. -0.000 min
Lab File: VN086360.D
Acq: 21 Apr 2025 16:10



Tgt Ion: 64 Resp: 40482
Ion Ratio Lower Upper
64 100
66 30.5 25.7 38.5





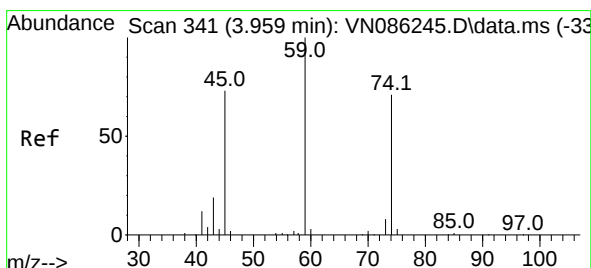
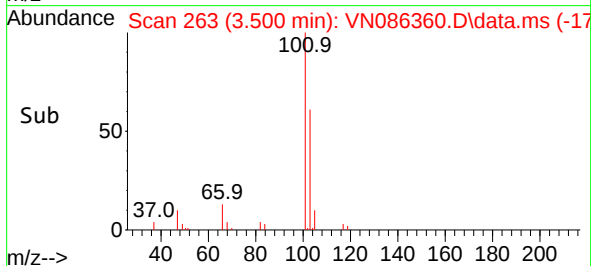
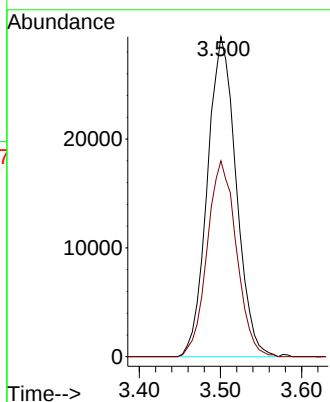
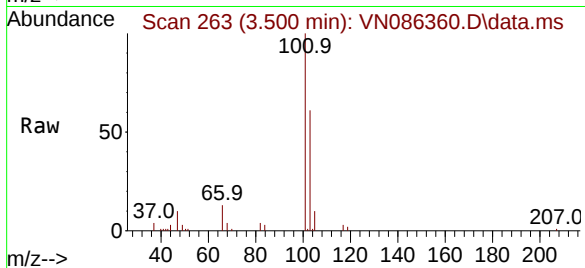
#7
Trichlorofluoromethane
Concen: 21.524 ug/l
RT: 3.500 min Scan# 263
Delta R.T. -0.000 min
Lab File: VN086360.D
Acq: 21 Apr 2025 16:10

Instrument :
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Tgt Ion:101 Resp: 72519
Ion Ratio Lower Upper
101 100
103 61.2 51.2 76.8

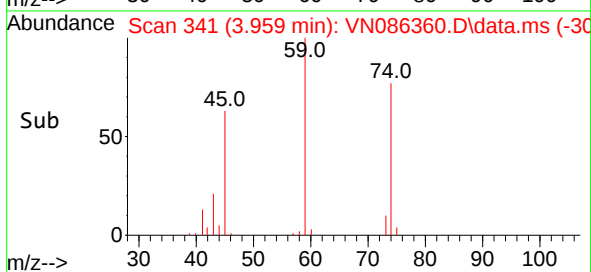
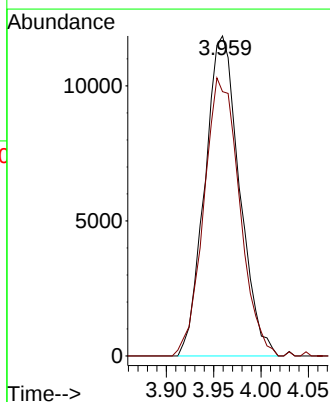
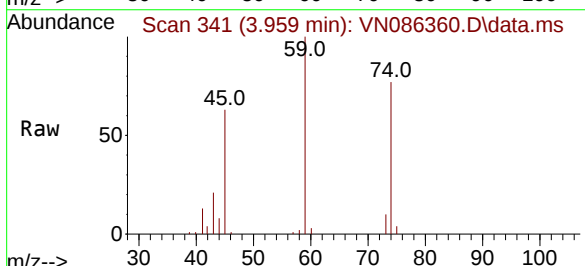
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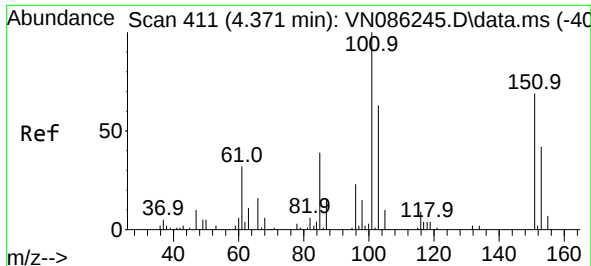
Reviewed By :John Carlone 04/22/2025
Supervised By :Mahesh Dadoda 04/22/2025



#8
Diethyl Ether
Concen: 19.402 ug/l
RT: 3.959 min Scan# 341
Delta R.T. -0.000 min
Lab File: VN086360.D
Acq: 21 Apr 2025 16:10

Tgt Ion: 74 Resp: 30147
Ion Ratio Lower Upper
74 100
45 89.5 19.2 173.2





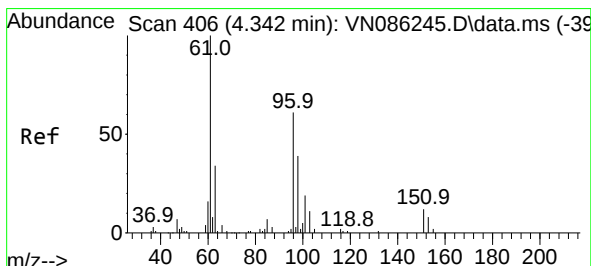
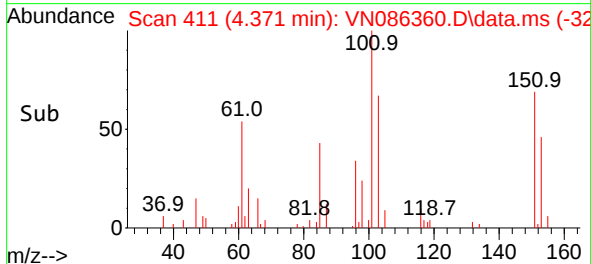
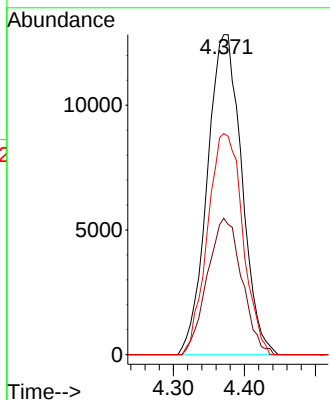
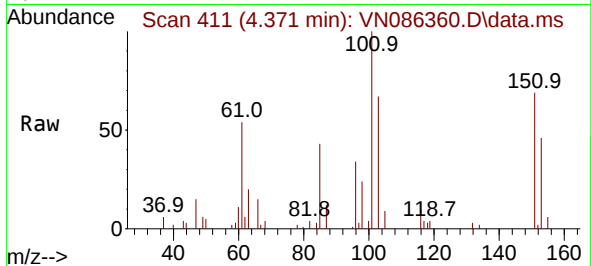
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 20.803 ug/l
 RT: 4.371 min Scan# 411
 Delta R.T. -0.000 min
 Lab File: VN086360.D
 Acq: 21 Apr 2025 16:10

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tgt Ion:101 Resp: 4322
 Ion Ratio Lower Upper
 101 100
 85 42.7 0.0 93.0
 151 70.4 0.0 138.6

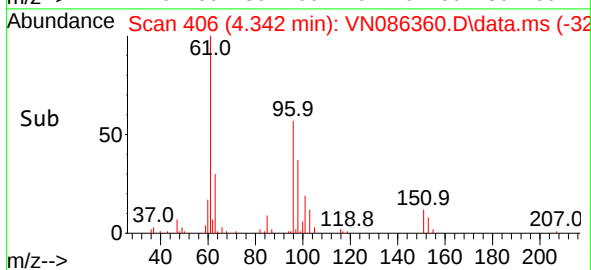
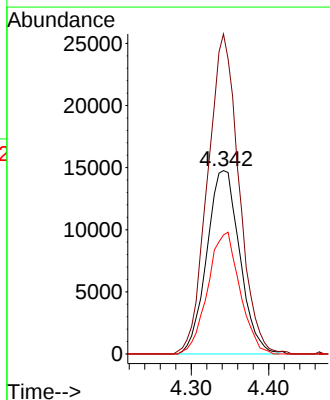
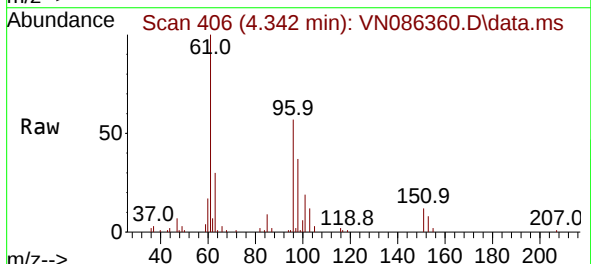
Manual Integrations
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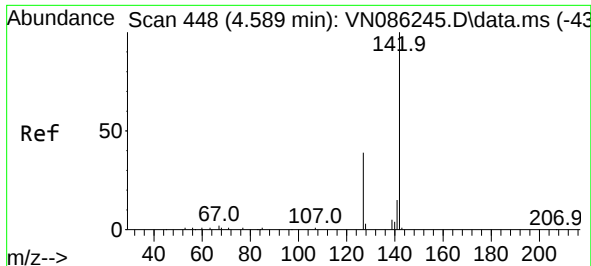
Reviewed By :John Carlone 04/22/2025
 Supervised By :Mahesh Dadoda 04/22/2025



#10
 1,1-Dichloroethene
 Concen: 19.452 ug/l
 RT: 4.342 min Scan# 406
 Delta R.T. -0.000 min
 Lab File: VN086360.D
 Acq: 21 Apr 2025 16:10

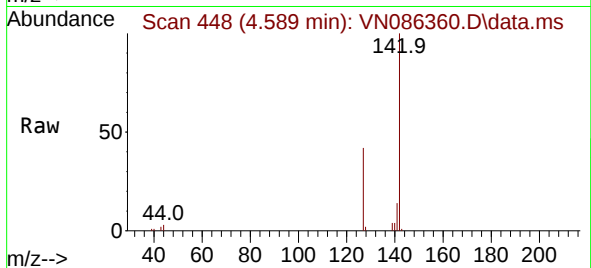
Tgt Ion: 96 Resp: 43616
 Ion Ratio Lower Upper
 96 100
 61 173.3 131.1 196.7
 98 64.9 51.6 77.4





#11
Methyl Iodide
Concen: 19.015 ug/l
RT: 4.589 min Scan# 448
Delta R.T. -0.000 min
Lab File: VN086360.D
Acq: 21 Apr 2025 16:10

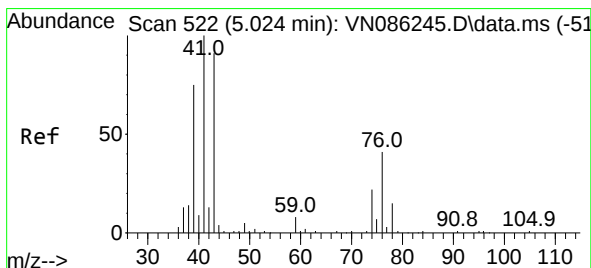
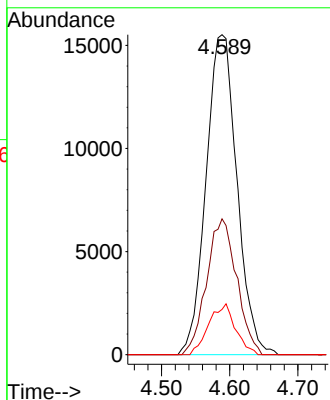
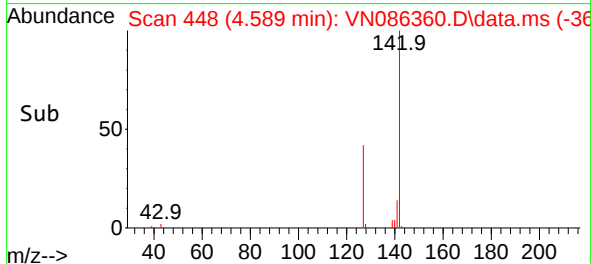
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



Tgt Ion:142 Resp: 49002
Ion Ratio Lower Upper
142 100
127 42.5 19.6 58.8
141 14.1 7.3 21.9

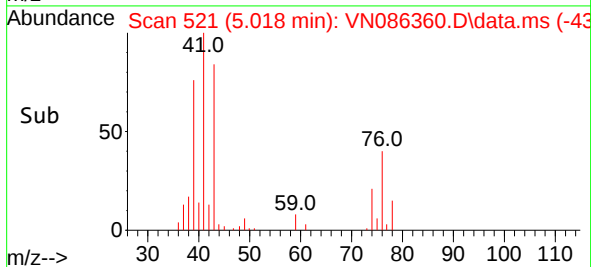
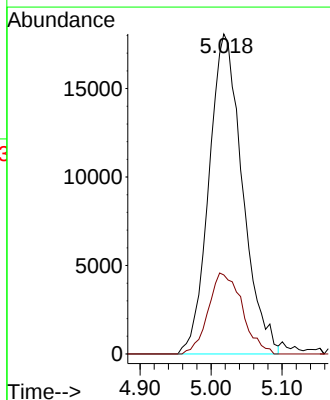
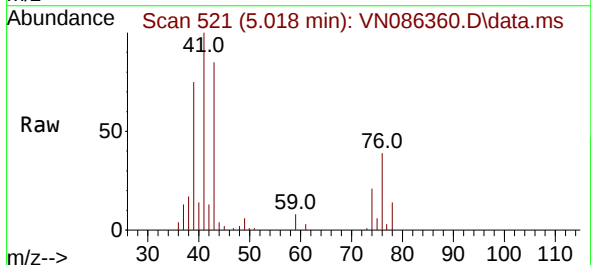
Manual Integrations
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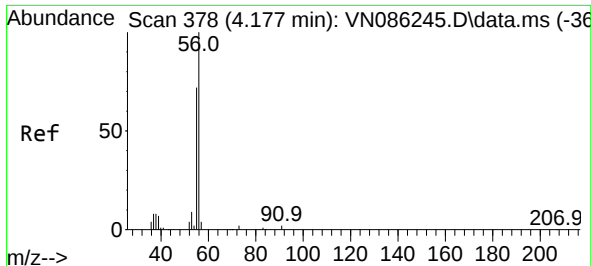
Reviewed By :John Carlone 04/22/2025
Supervised By :Mahesh Dadoda 04/22/2025



#12
Methyl Acetate
Concen: 18.726 ug/l
RT: 5.018 min Scan# 521
Delta R.T. -0.006 min
Lab File: VN086360.D
Acq: 21 Apr 2025 16:10

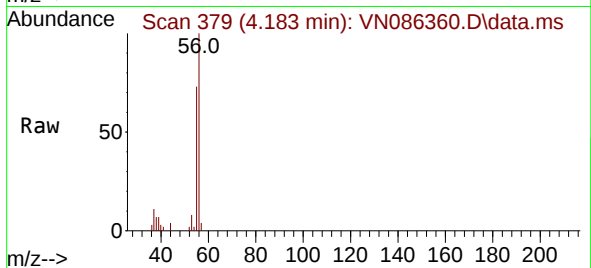
Tgt Ion: 43 Resp: 59294
Ion Ratio Lower Upper
43 100
74 25.0 19.1 28.7





#13
Acrolein
Concen: 84.842 ug/l
RT: 4.183 min Scan# 31
Delta R.T. 0.006 min
Lab File: VN086360.D
Acq: 21 Apr 2025 16:10

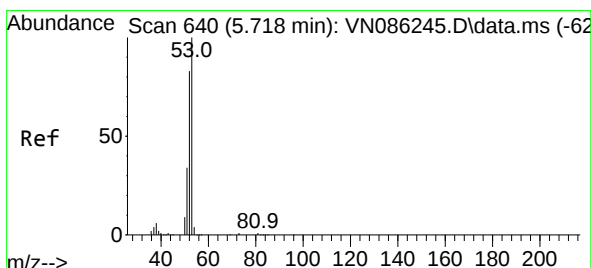
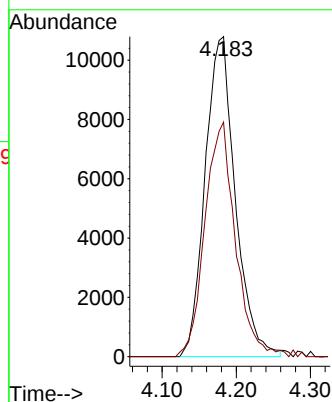
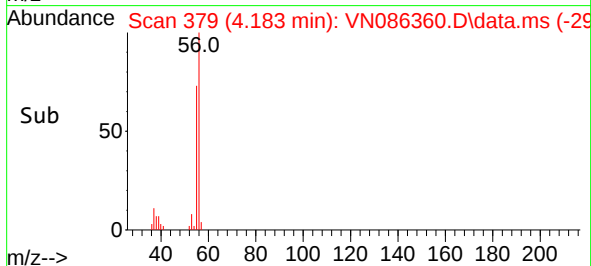
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



Tgt Ion: 56 Resp: 30530
Ion Ratio Lower Upper
56 100
55 73.6 56.5 84.7

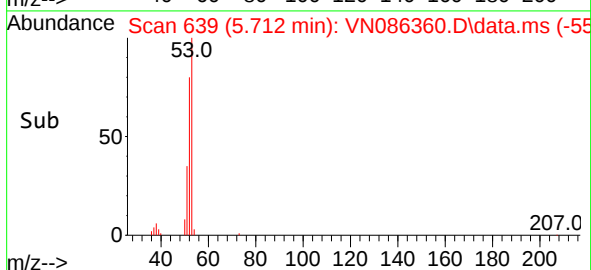
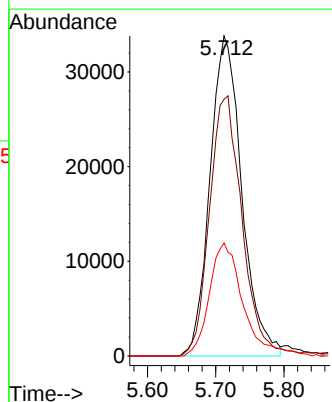
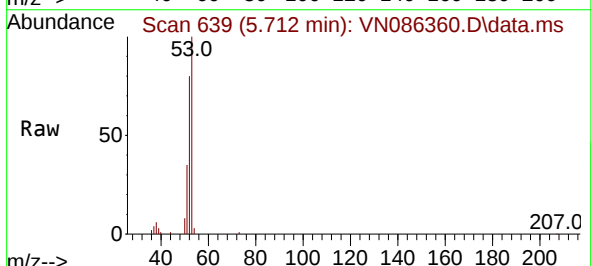
Manual Integrations
APPROVED

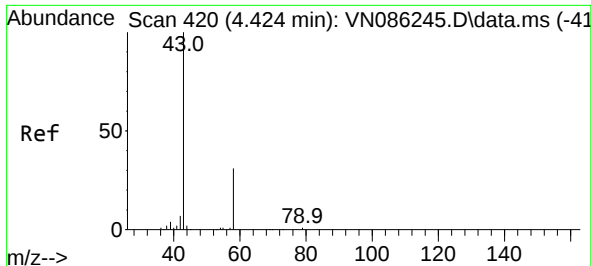
Reviewed By :John Carlone 04/22/2025
Supervised By :Mahesh Dadoda 04/22/2025



#14
Acrylonitrile
Concen: 82.116 ug/l
RT: 5.712 min Scan# 639
Delta R.T. -0.006 min
Lab File: VN086360.D
Acq: 21 Apr 2025 16:10

Tgt Ion: 53 Resp: 109765
Ion Ratio Lower Upper
53 100
52 83.2 40.2 120.6
51 37.3 17.5 52.6





#15

Acetone

Concen: 82.195 ug/l

RT: 4.424 min Scan# 41

Delta R.T. -0.000 min

Lab File: VN086360.D

Acq: 21 Apr 2025 16:10

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tgt Ion: 58 Resp: 2785

Ion Ratio Lower Upper

58 100

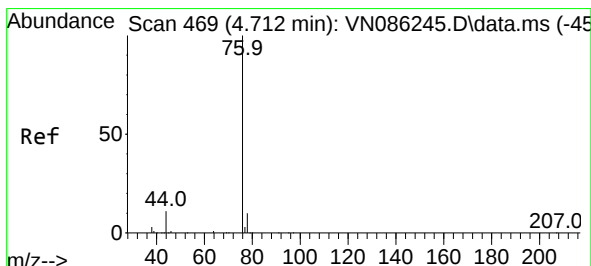
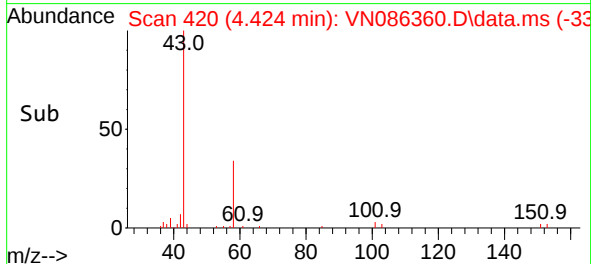
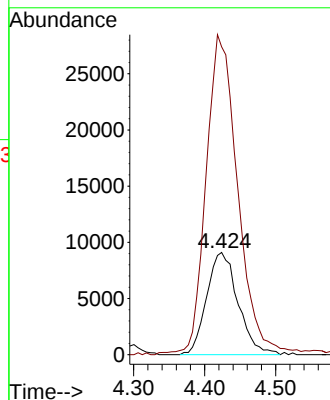
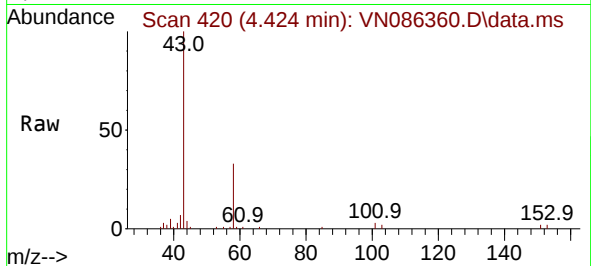
43 297.1 261.8 392.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 04/22/2025

Supervised By :Mahesh Dadoda 04/22/2025



#16

Carbon Disulfide

Concen: 18.734 ug/l

RT: 4.712 min Scan# 469

Delta R.T. -0.000 min

Lab File: VN086360.D

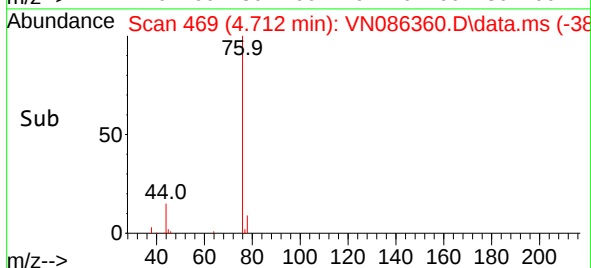
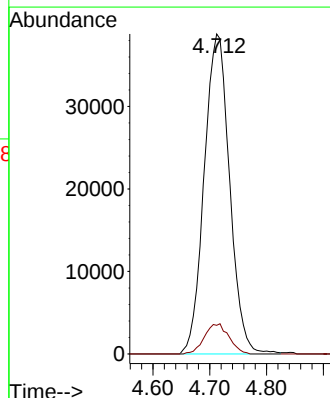
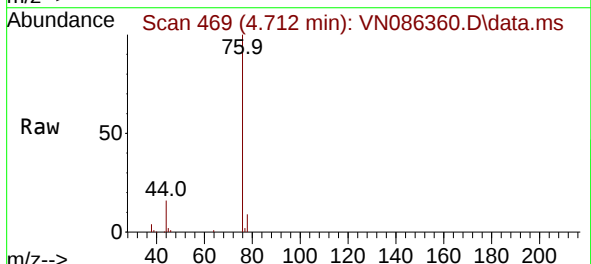
Acq: 21 Apr 2025 16:10

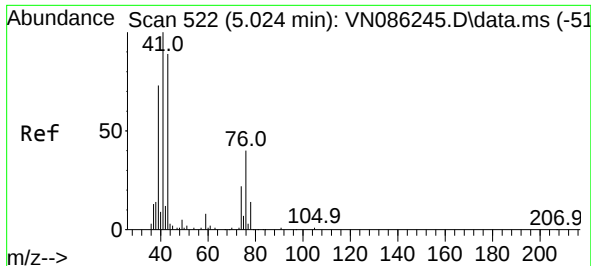
Tgt Ion: 76 Resp: 120448

Ion Ratio Lower Upper

76 100

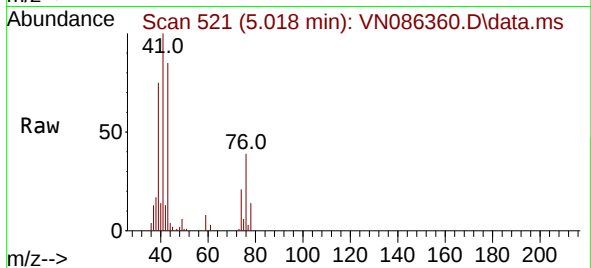
78 9.0 7.7 11.5





#17
 Allyl chloride
 Concen: 17.905 ug/l
 RT: 5.018 min Scan# 51
 Delta R.T. -0.006 min
 Lab File: VN086360.D
 Acq: 21 Apr 2025 16:10

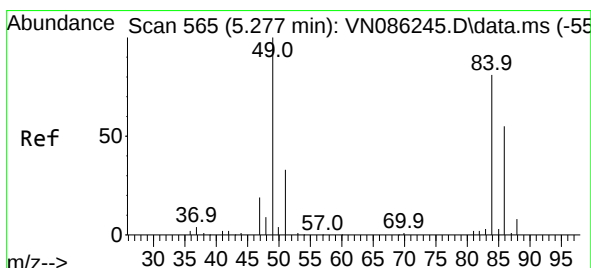
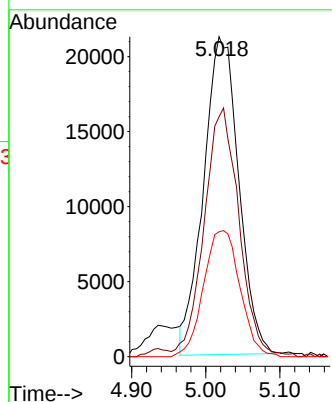
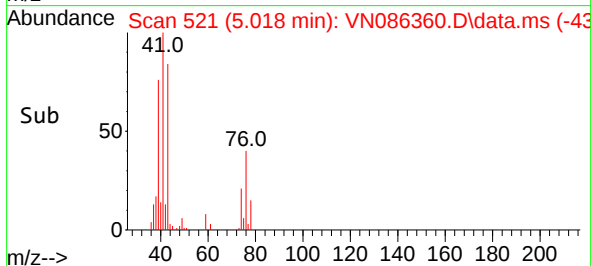
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC



Tgt Ion: 41 Resp: 6997
 Ion Ratio Lower Upper
 41 100
 39 74.5 34.4 103.2
 76 39.4 18.8 56.3

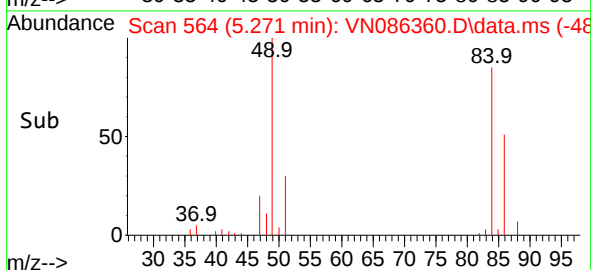
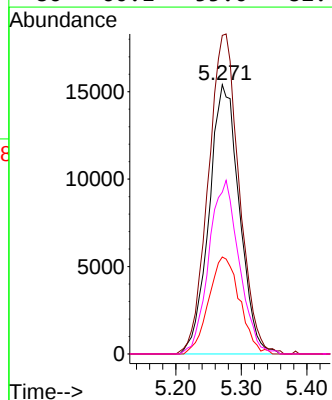
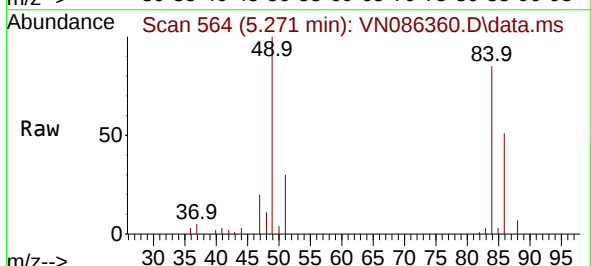
Manual Integrations
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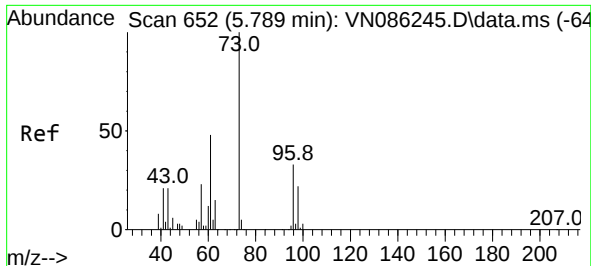
Reviewed By :John Carlone 04/22/2025
 Supervised By :Mahesh Dadoda 04/22/2025



#18
 Methylene Chloride
 Concen: 19.291 ug/l
 RT: 5.271 min Scan# 564
 Delta R.T. -0.006 min
 Lab File: VN086360.D
 Acq: 21 Apr 2025 16:10

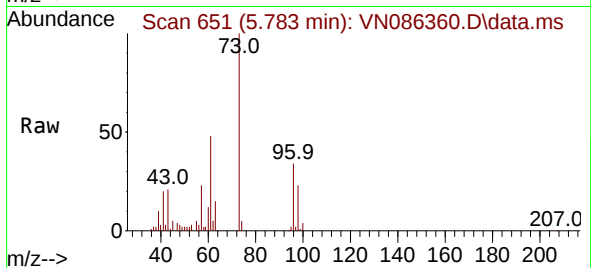
Tgt Ion: 84 Resp: 49316
 Ion Ratio Lower Upper
 84 100
 49 117.3 99.1 148.7
 51 36.0 32.3 48.5
 86 60.1 55.0 82.4





#19
trans-1,2-Dichloroethene
Concen: 19.748 ug/l
RT: 5.783 min Scan# 61
Delta R.T. -0.006 min
Lab File: VN086360.D
Acq: 21 Apr 2025 16:10

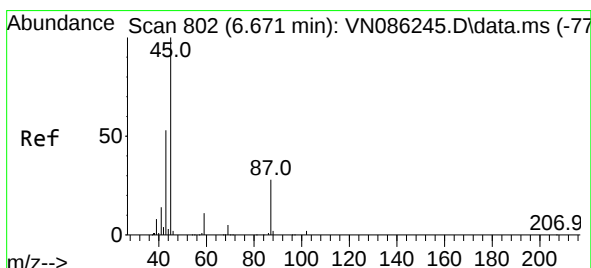
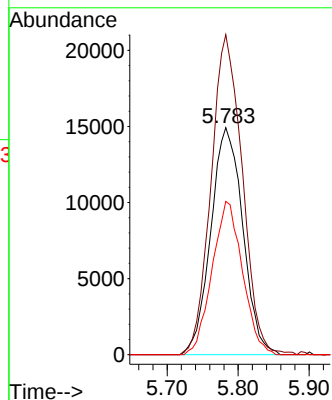
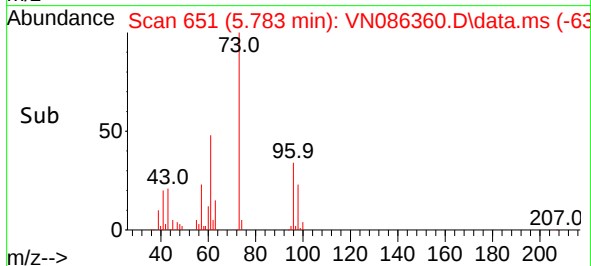
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



Tgt Ion: 96 Resp: 4664
Ion Ratio Lower Upper
96 100
61 141.0 115.9 173.9
98 67.5 52.1 78.1

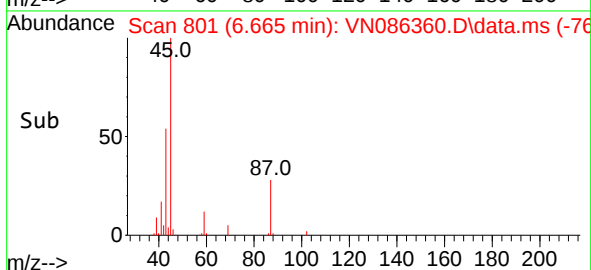
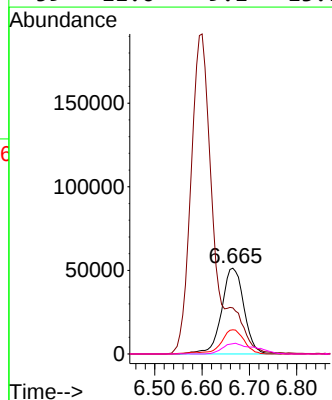
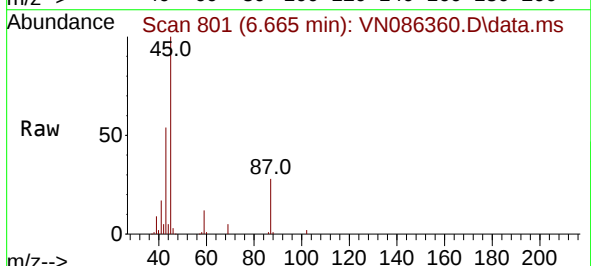
Manual Integrations
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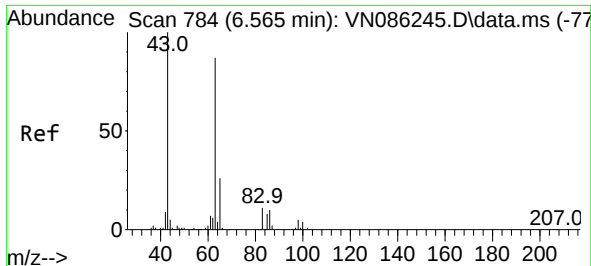
Reviewed By :John Carlone 04/22/2025
Supervised By :Mahesh Dadoda 04/22/2025



#20
Diisopropyl ether
Concen: 19.983 ug/l
RT: 6.665 min Scan# 801
Delta R.T. -0.006 min
Lab File: VN086360.D
Acq: 21 Apr 2025 16:10

Tgt Ion: 45 Resp: 167888
Ion Ratio Lower Upper
45 100
43 52.3 42.3 63.5
87 28.2 22.2 33.4
59 11.6 9.1 13.7





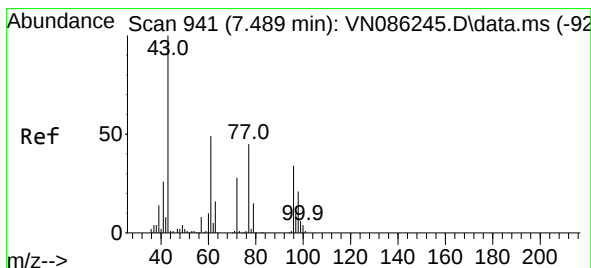
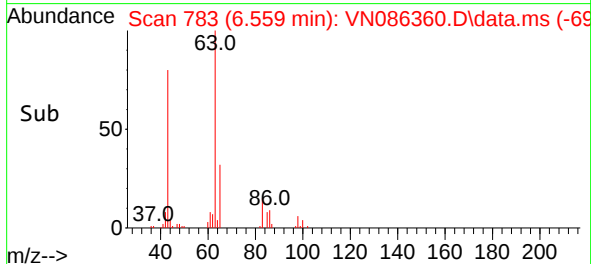
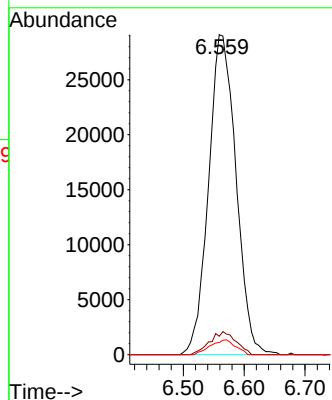
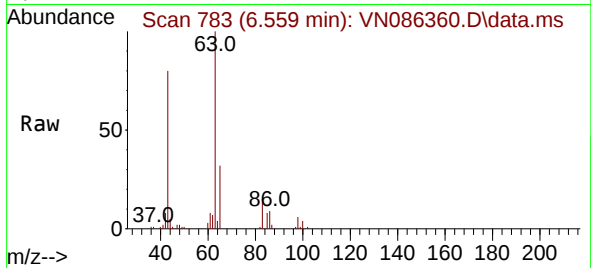
#21
1,1-Dichloroethane
Concen: 20.357 ug/l
RT: 6.559 min Scan# 71
Delta R.T. -0.006 min
Lab File: VN086360.D
Acq: 21 Apr 2025 16:10

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tgt Ion: 63 Resp: 9124
Ion Ratio Lower Upper
63 100
98 5.8 3.1 9.3
100 3.8 2.3 6.9

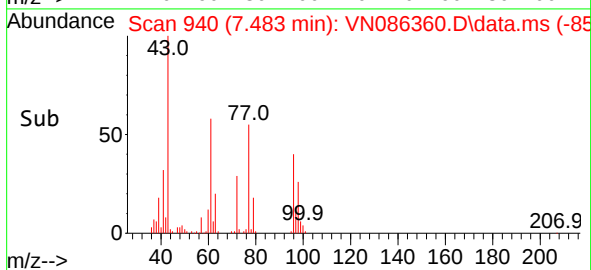
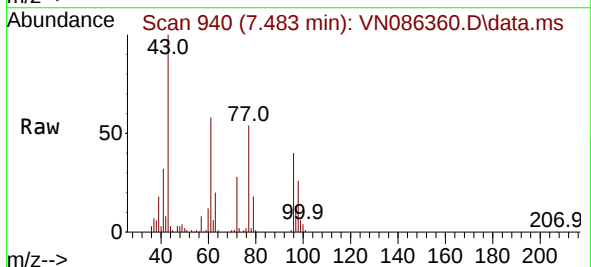
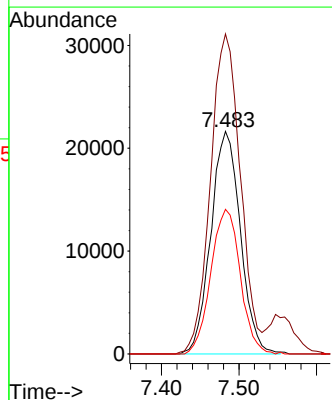
Manual Integrations
APPROVED

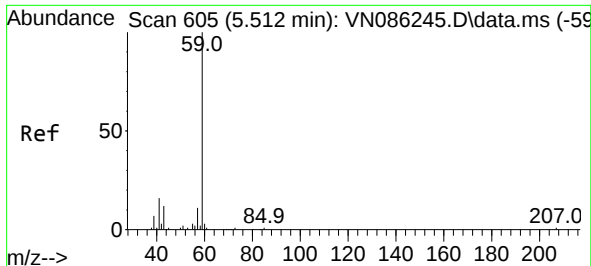
Reviewed By :John Carlone 04/22/2025
Supervised By :Mahesh Dadoda 04/22/2025



#22
cis-1,2-Dichloroethene
Concen: 20.402 ug/l
RT: 7.483 min Scan# 940
Delta R.T. -0.006 min
Lab File: VN086360.D
Acq: 21 Apr 2025 16:10

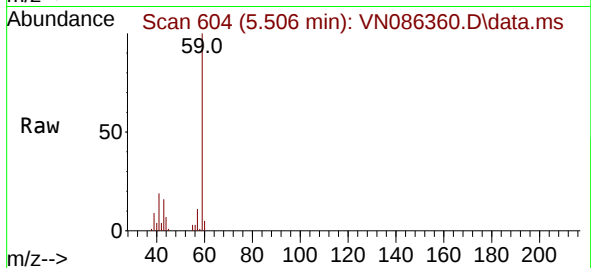
Tgt Ion: 96 Resp: 57401
Ion Ratio Lower Upper
96 100
61 145.7 119.5 179.3
98 64.7 51.0 76.6





#23
tert-Butyl Alcohol
Concen: 74.161 ug/l
RT: 5.506 min Scan# 605
Delta R.T. -0.006 min
Lab File: VN086360.D
Acq: 21 Apr 2025 16:10

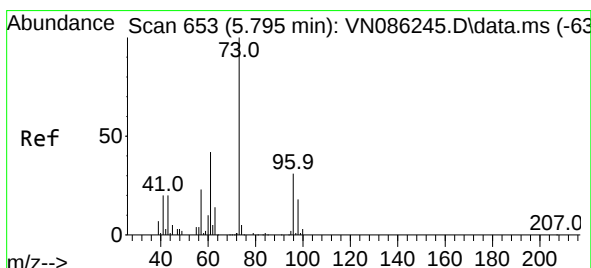
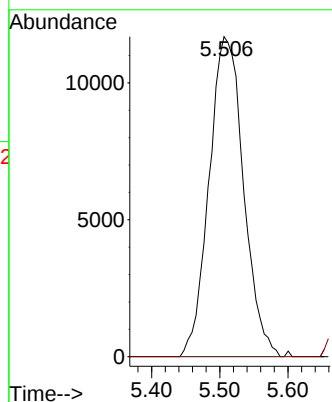
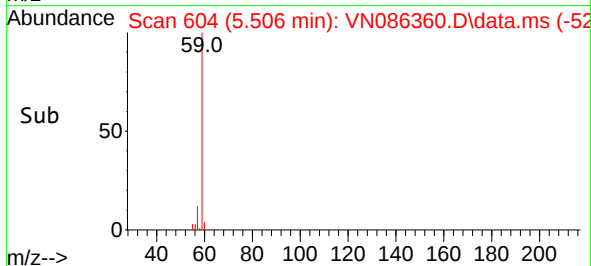
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



Tgt Ion: 59 Resp: 41075
Ion Ratio Lower Upper
59 100
52 0.0 0.0 0.0

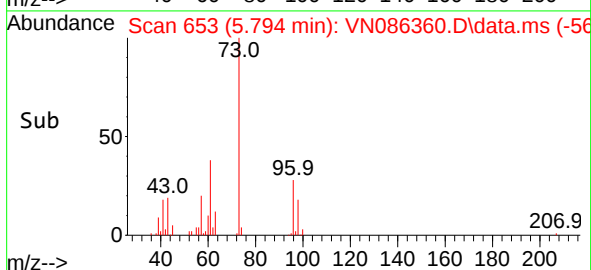
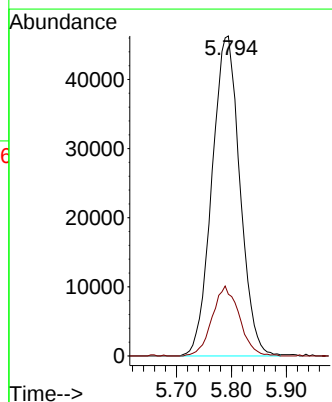
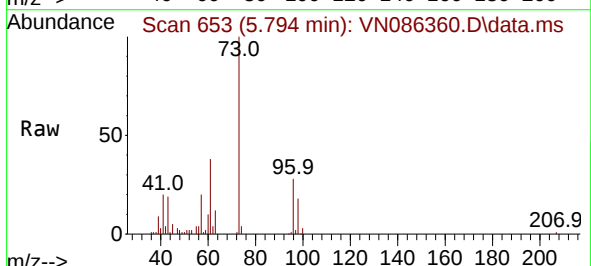
Manual Integrations
APPROVED

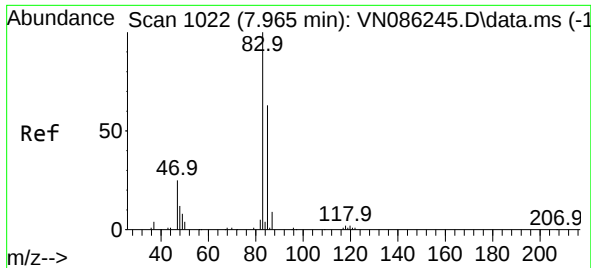
Reviewed By :John Carlone 04/22/2025
Supervised By :Mahesh Dadoda 04/22/2025



#24
Methyl tert-Butyl Ether
Concen: 20.211 ug/l
RT: 5.794 min Scan# 653
Delta R.T. -0.000 min
Lab File: VN086360.D
Acq: 21 Apr 2025 16:10

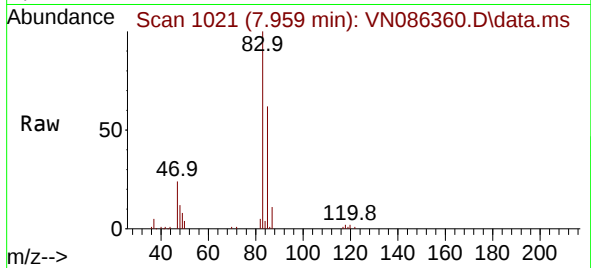
Tgt Ion: 73 Resp: 163539
Ion Ratio Lower Upper
73 100
43 21.2 16.8 25.2





#25
Chloroform
Concen: 21.595 ug/l
RT: 7.959 min Scan# 1021
Delta R.T. -0.006 min
Lab File: VN086360.D
Acq: 21 Apr 2025 16:10

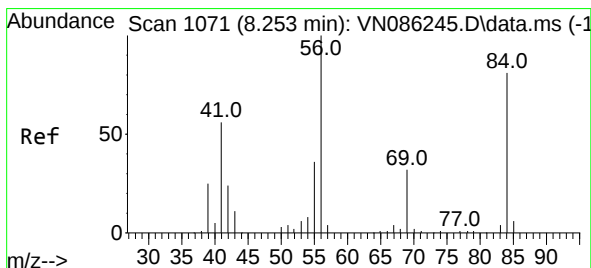
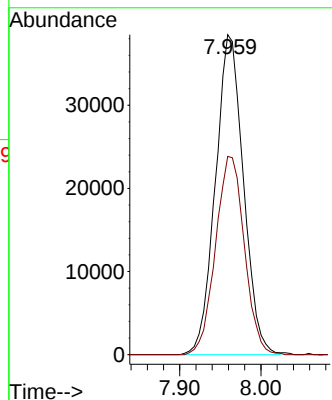
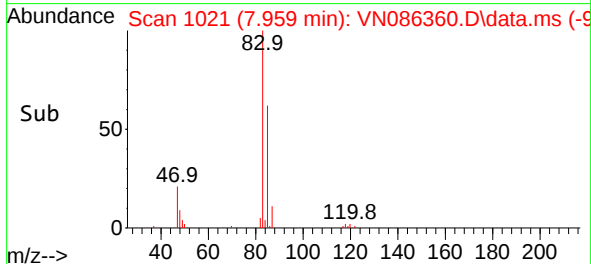
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



Tgt Ion: 83 Resp: 9230
Ion Ratio Lower Upper
83 100
85 62.0 50.5 75.7

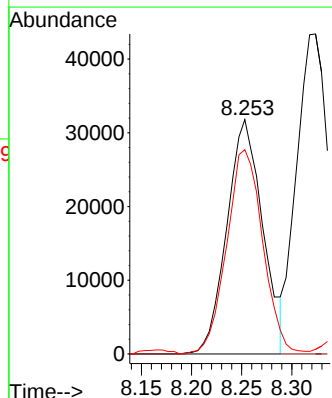
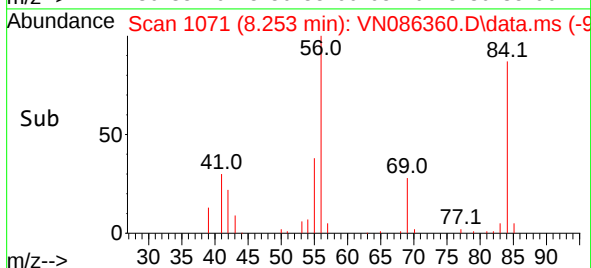
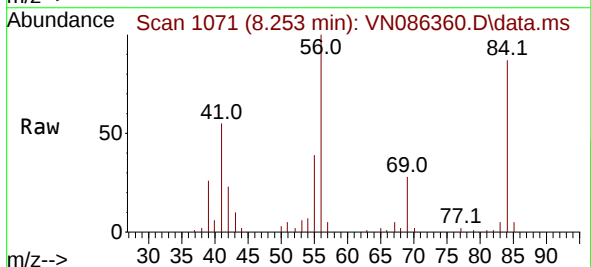
Manual Integrations
APPROVED

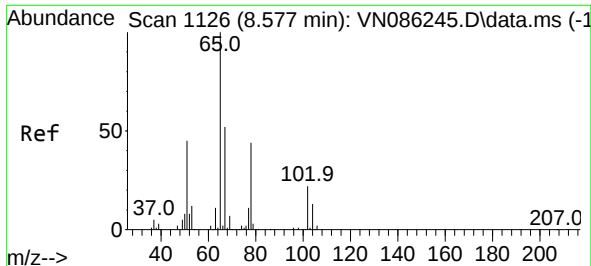
Reviewed By :John Carlone 04/22/2025
Supervised By :Mahesh Dadoda 04/22/2025



#26
Cyclohexane
Concen: 18.855 ug/l
RT: 8.253 min Scan# 1071
Delta R.T. -0.000 min
Lab File: VN086360.D
Acq: 21 Apr 2025 16:10

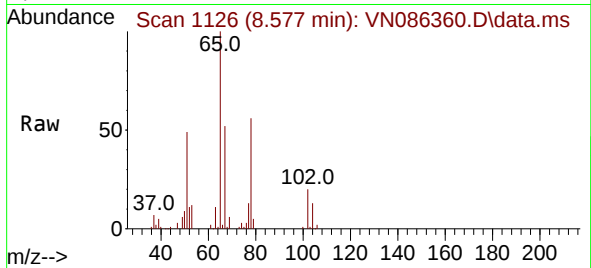
Tgt Ion: 56 Resp: 79070
Ion Ratio Lower Upper
56 100
89 0.0 0.0 0.0
84 87.9 69.0 103.4





#27
1,2-Dichloroethane-d4
Concen: 30.918 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. -0.000 min
Lab File: VN086360.D
Acq: 21 Apr 2025 16:10

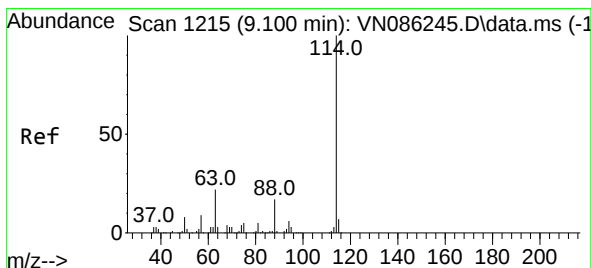
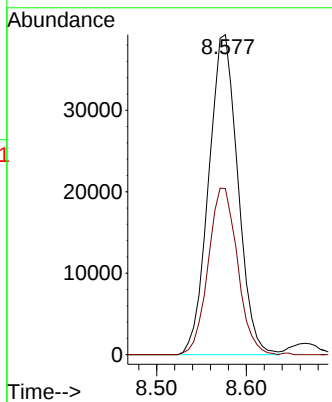
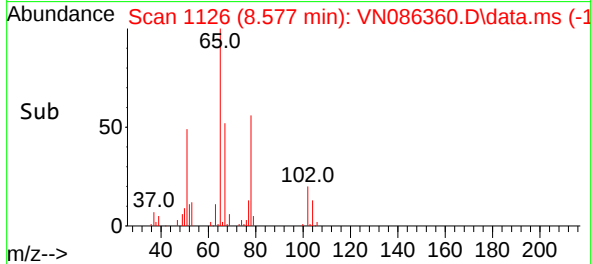
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



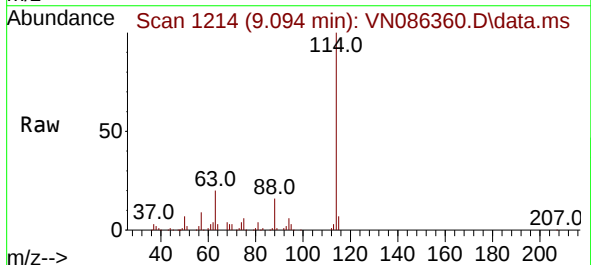
Tgt Ion: 65 Resp: 88799
Ion Ratio Lower Upper
65 100
67 52.2 43.4 65.2

Manual Integrations
APPROVED

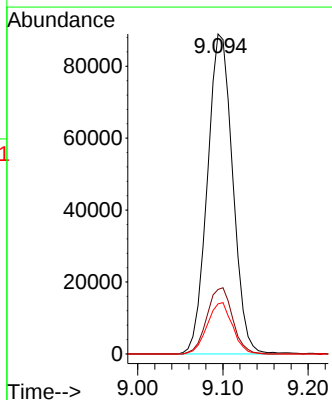
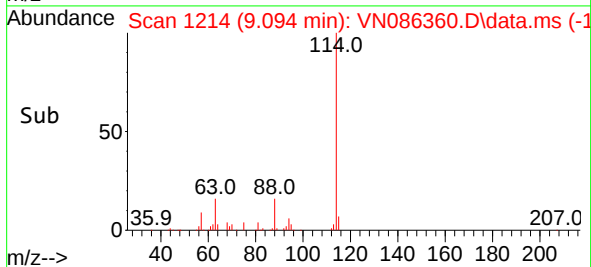
Reviewed By :John Carlone 04/22/2025
Supervised By :Mahesh Dadoda 04/22/2025

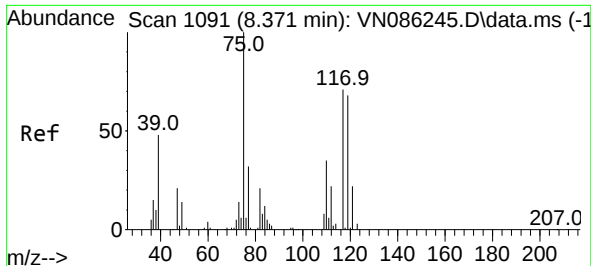


#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 9.094 min Scan# 1214
Delta R.T. -0.006 min
Lab File: VN086360.D
Acq: 21 Apr 2025 16:10



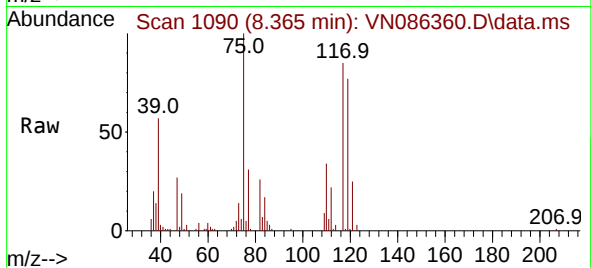
Tgt Ion:114 Resp: 183648
Ion Ratio Lower Upper
114 100
63 21.0 17.8 26.6
88 16.0 13.4 20.2





#29
1,1-Dichloropropene
Concen: 20.087 ug/l
RT: 8.365 min Scan# 1090
Delta R.T. -0.006 min
Lab File: VN086360.D
Acq: 21 Apr 2025 16:10

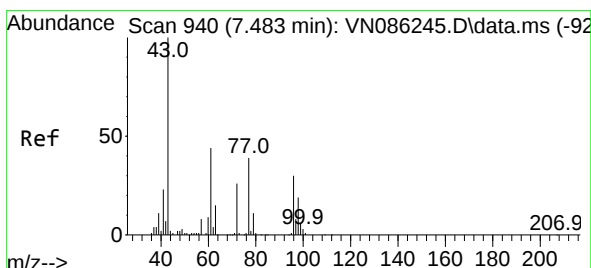
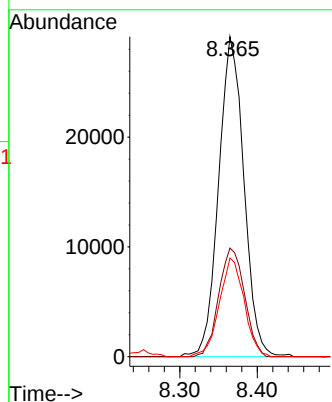
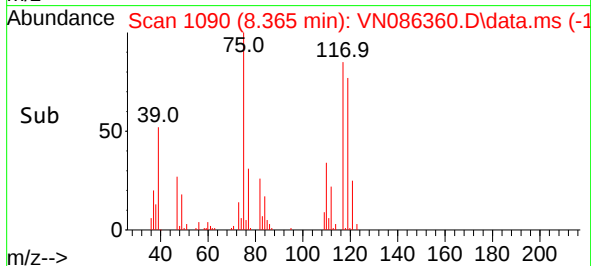
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



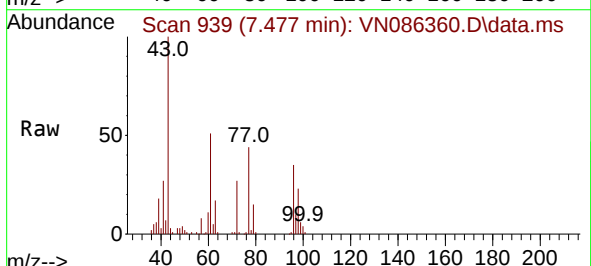
Tgt Ion: 75 Resp: 6608
Ion Ratio Lower Upper
75 100
110 34.6 0.0 68.6
77 30.3 0.0 63.8

Manual Integrations
APPROVED

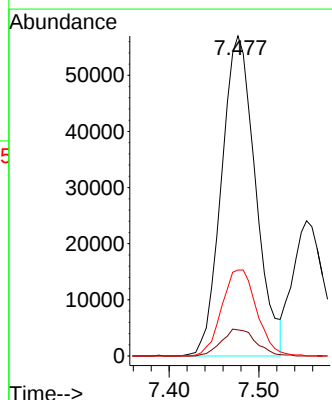
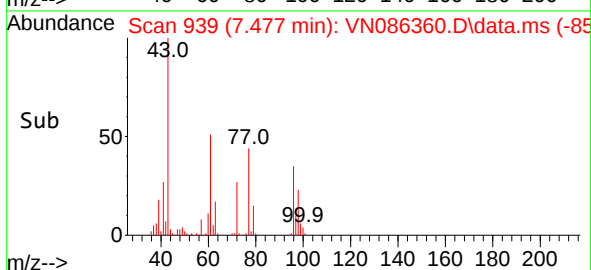
Reviewed By :John Carlone 04/22/2025
Supervised By :Mahesh Dadoda 04/22/2025

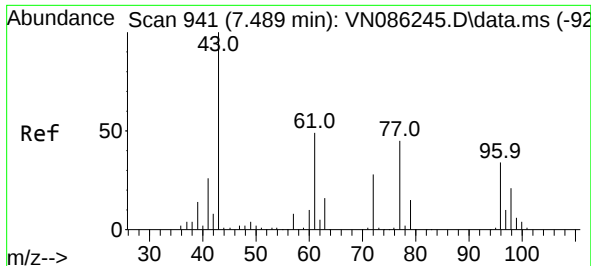


#30
2-Butanone
Concen: 82.284 ug/l
RT: 7.477 min Scan# 939
Delta R.T. -0.006 min
Lab File: VN086360.D
Acq: 21 Apr 2025 16:10



Tgt Ion: 43 Resp: 150001
Ion Ratio Lower Upper
43 100
57 8.4 6.4 9.6
72 27.6 21.5 32.3





#31

2,2-Dichloropropane

Concen: 20.545 ug/l

RT: 7.488 min Scan# 941

Delta R.T. -0.000 min

Lab File: VN086360.D

Acq: 21 Apr 2025 16:10

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tgt Ion: 77 Resp: 8319

Ion Ratio Lower Upper

77 100

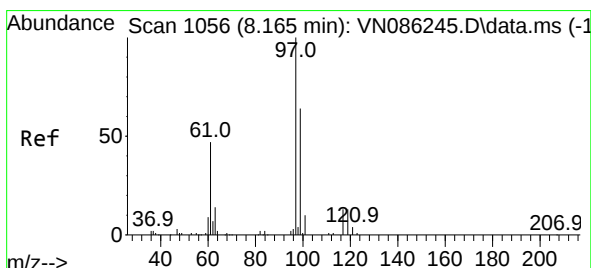
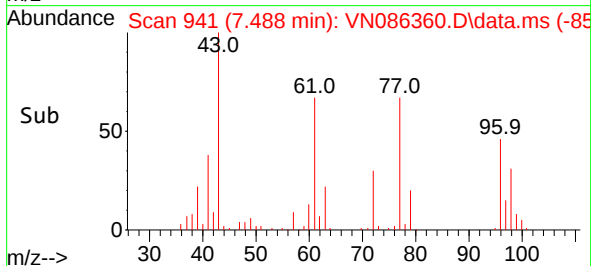
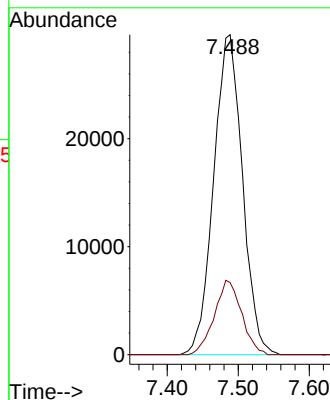
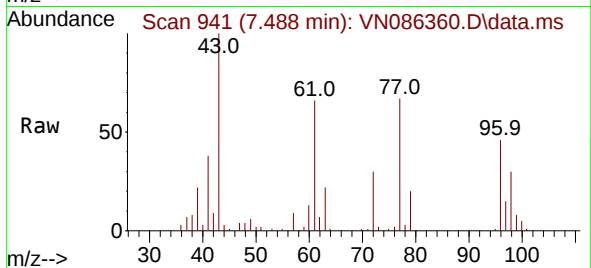
97 22.0 18.8 28.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 04/22/2025

Supervised By :Mahesh Dadoda 04/22/2025



#32

1,1,1-Trichloroethane

Concen: 20.939 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. -0.000 min

Lab File: VN086360.D

Acq: 21 Apr 2025 16:10

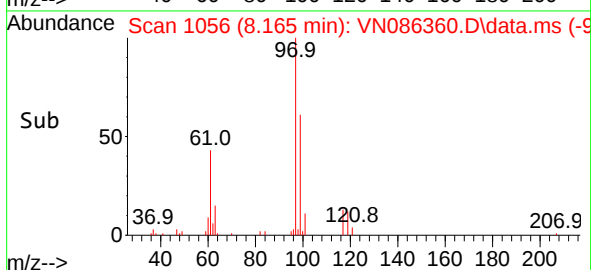
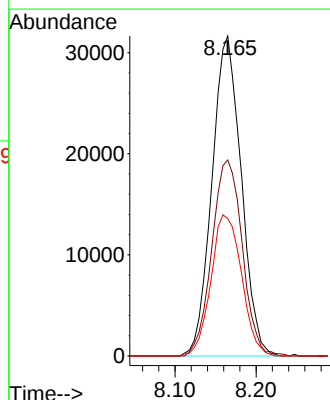
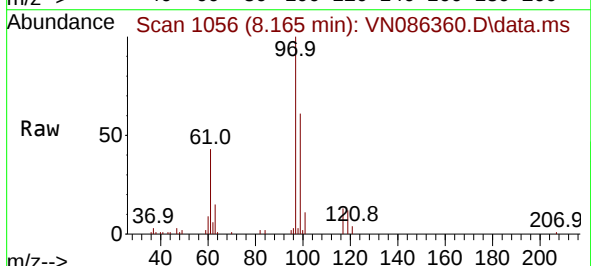
Tgt Ion: 97 Resp: 79243

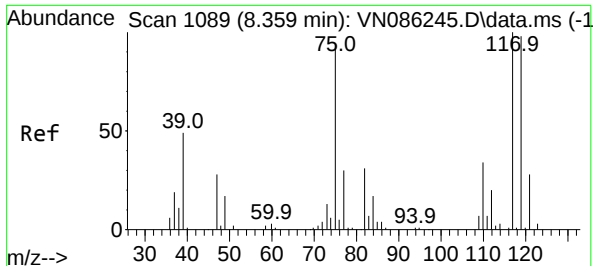
Ion Ratio Lower Upper

97 100

99 63.7 51.4 77.2

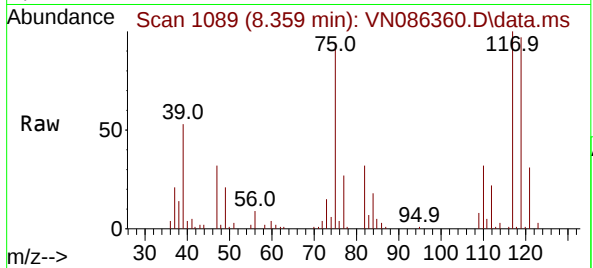
61 46.1 37.0 55.6





#33
Carbon Tetrachloride
Concen: 21.219 ug/l
RT: 8.359 min Scan# 1107
Delta R.T. -0.000 min
Lab File: VN086360.D
Acq: 21 Apr 2025 16:10

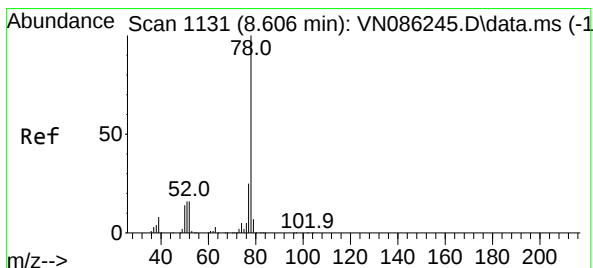
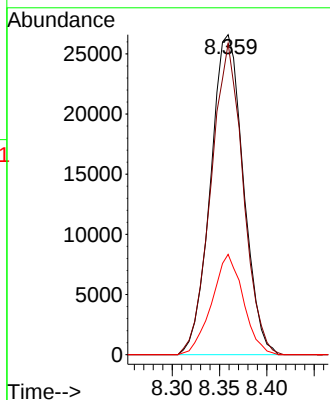
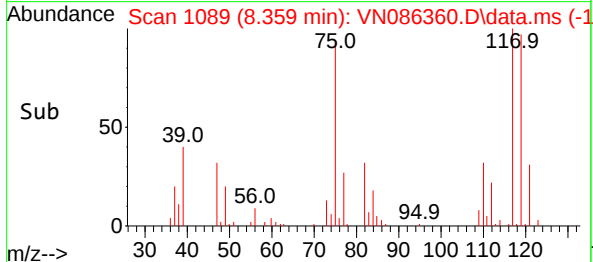
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



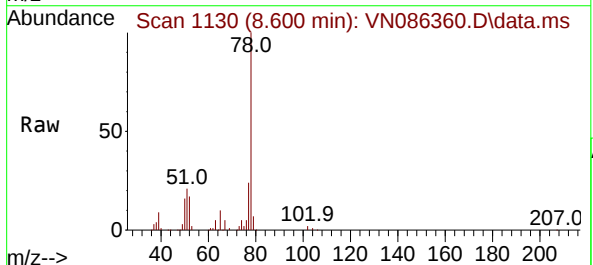
Tgt Ion:117 Resp: 6417
Ion Ratio Lower Upper
117 100
119 97.2 78.3 117.5
121 31.3 22.5 33.7

Manual Integrations
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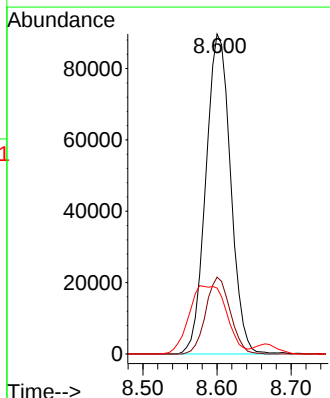
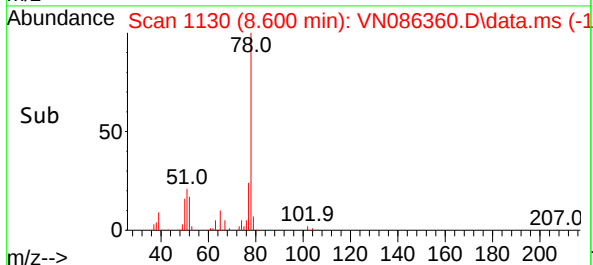
Reviewed By :John Carlone 04/22/2025
Supervised By :Mahesh Dadoda 04/22/2025

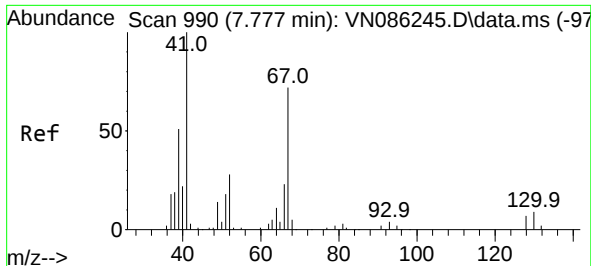


#34
Benzene
Concen: 19.873 ug/l
RT: 8.600 min Scan# 1130
Delta R.T. -0.006 min
Lab File: VN086360.D
Acq: 21 Apr 2025 16:10



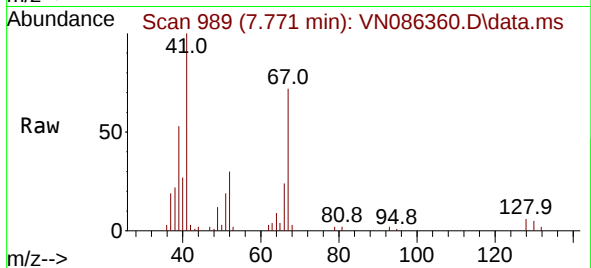
Tgt Ion: 78 Resp: 208000
Ion Ratio Lower Upper
78 100
77 24.0 20.0 30.0
51 19.1 12.9 19.3





#35
Methacrylonitrile
Concen: 17.244 ug/l
RT: 7.771 min Scan# 990
Delta R.T. -0.006 min
Lab File: VN086360.D
Acq: 21 Apr 2025 16:10

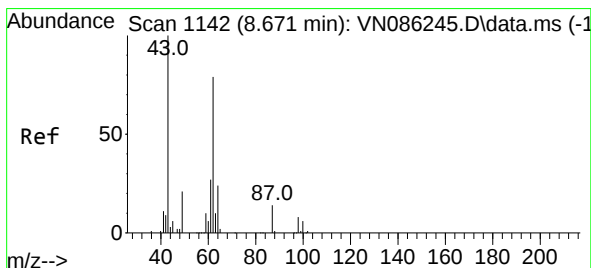
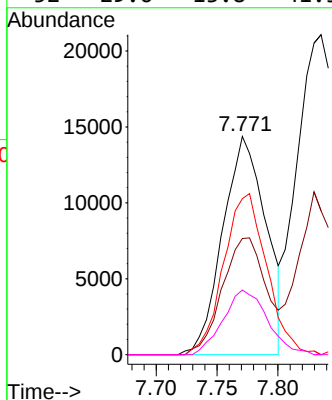
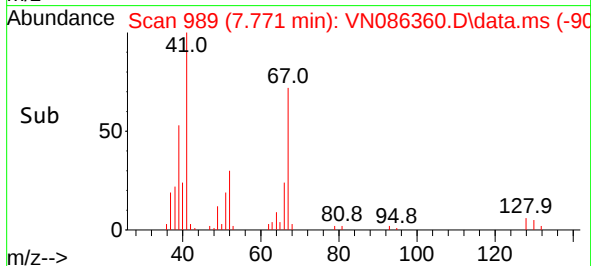
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



Tgt Ion: 41 Resp: 35438
Ion Ratio Lower Upper
41 100
39 53.3 25.8 77.3
67 71.5 36.0 108.0
52 29.6 13.8 41.3

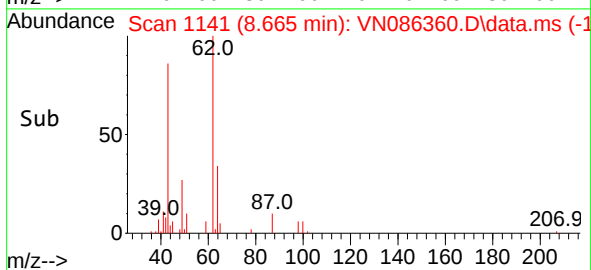
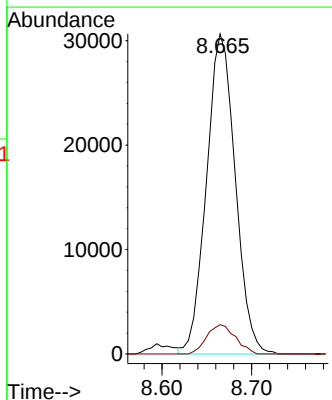
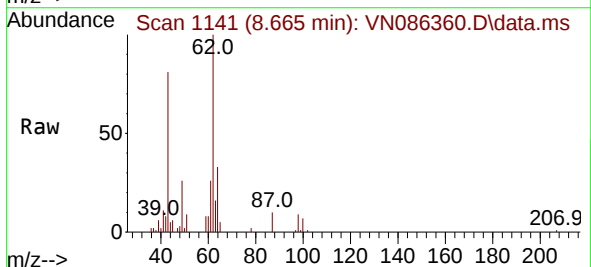
Manual Integrations
APPROVED

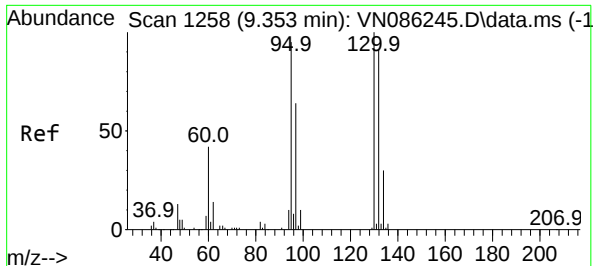
Reviewed By :John Carlone 04/22/2025
Supervised By :Mahesh Dadoda 04/22/2025



#36
1,2-Dichloroethane
Concen: 20.869 ug/l
RT: 8.665 min Scan# 1141
Delta R.T. -0.006 min
Lab File: VN086360.D
Acq: 21 Apr 2025 16:10

Tgt Ion: 62 Resp: 68352
Ion Ratio Lower Upper
62 100
98 9.1 8.6 12.8





#37

Trichloroethene

Concen: 20.068 ug/l

RT: 9.347 min Scan# 1257

Delta R.T. -0.006 min

Lab File: VN086360.D

Acq: 21 Apr 2025 16:10

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tgt Ion:130 Resp: 50679

Ion Ratio Lower Upper

130 100

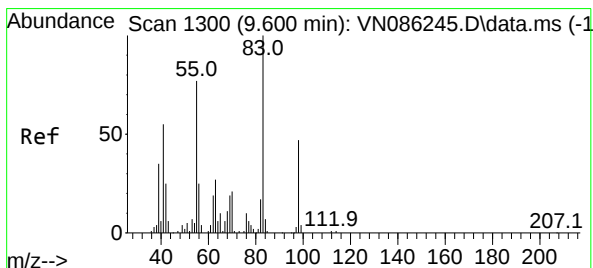
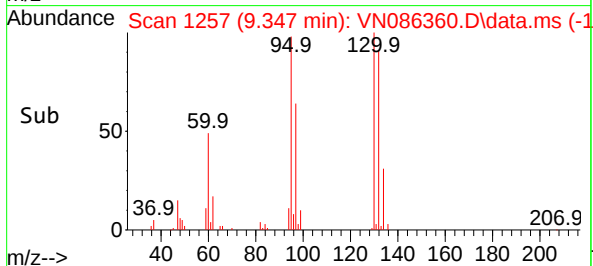
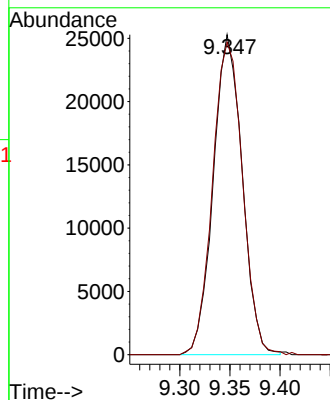
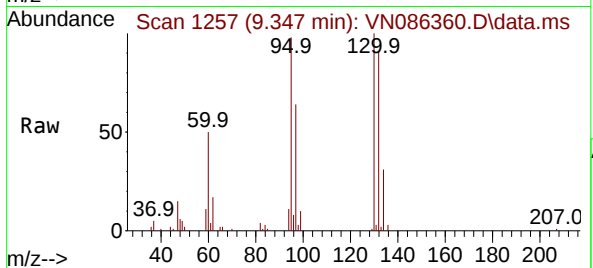
95 97.6 76.4 114.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 04/22/2025

Supervised By :Mahesh Dadoda 04/22/2025



#38

Methylcyclohexane

Concen: 19.146 ug/l

RT: 9.594 min Scan# 1299

Delta R.T. -0.006 min

Lab File: VN086360.D

Acq: 21 Apr 2025 16:10

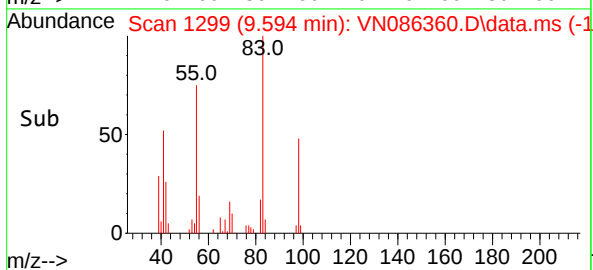
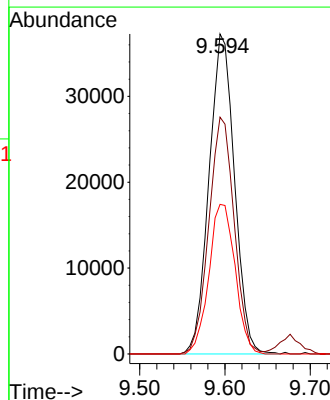
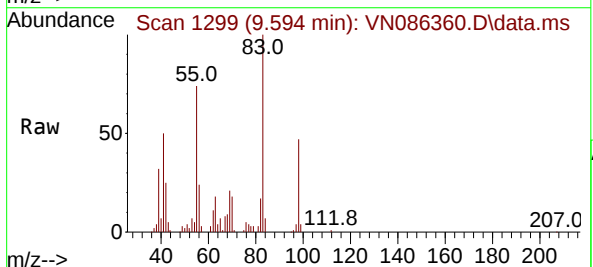
Tgt Ion: 83 Resp: 77250

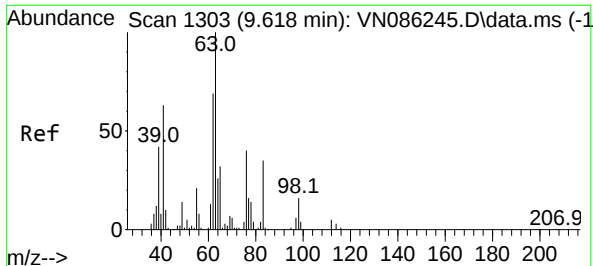
Ion Ratio Lower Upper

83 100

55 74.0 38.5 115.5

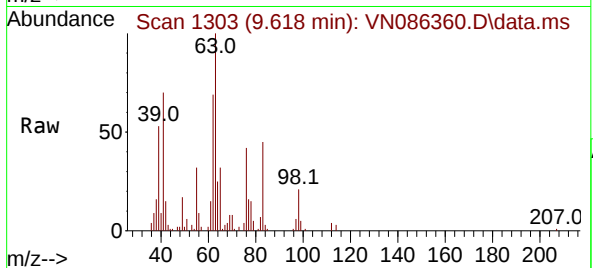
98 48.2 24.4 73.2





#39
1,2-Dichloropropane
Concen: 19.705 ug/l
RT: 9.618 min Scan# 1303
Delta R.T. -0.000 min
Lab File: VN086360.D
Acq: 21 Apr 2025 16:10

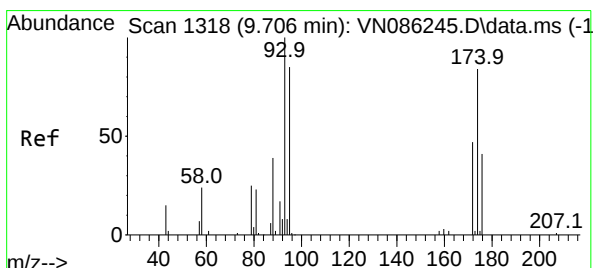
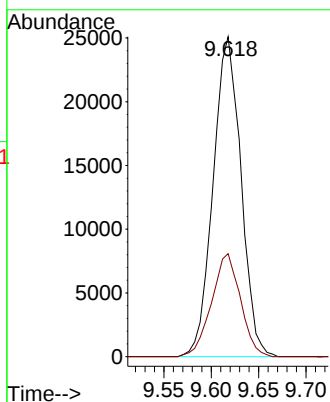
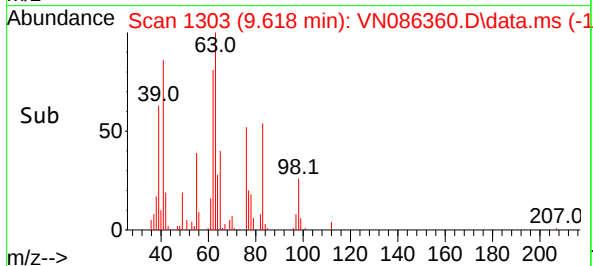
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



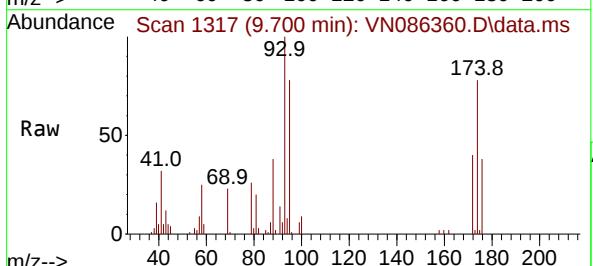
Tgt Ion: 63 Resp: 51318
Ion Ratio Lower Upper
63 100
65 32.2 26.0 39.0

Manual Integrations
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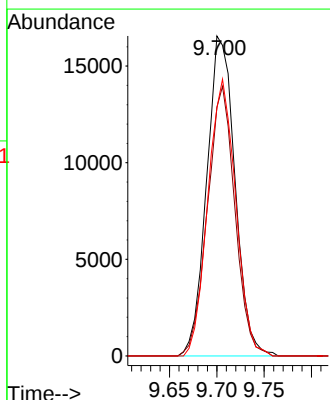
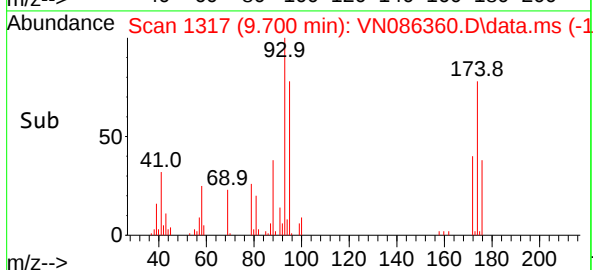
Reviewed By :John Carlone 04/22/2025
Supervised By :Mahesh Dadoda 04/22/2025

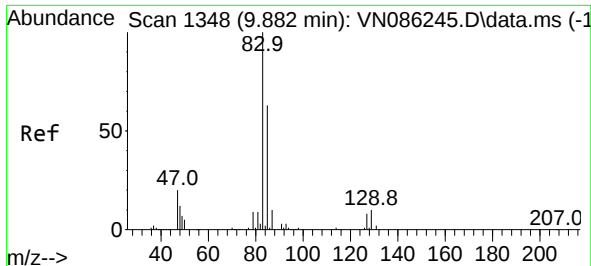


#40
Dibromomethane
Concen: 20.445 ug/l
RT: 9.700 min Scan# 1317
Delta R.T. -0.006 min
Lab File: VN086360.D
Acq: 21 Apr 2025 16:10



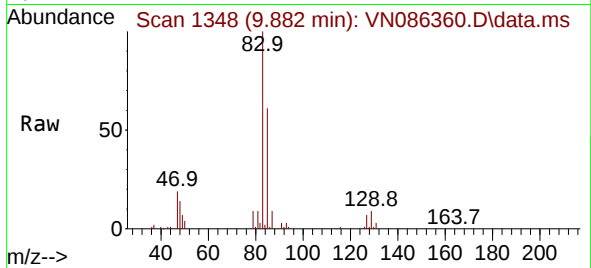
Tgt Ion: 93 Resp: 34390
Ion Ratio Lower Upper
93 100
95 81.8 0.0 169.0
174 85.1 0.0 168.0





#41
Bromodichloromethane
Concen: 20.439 ug/l
RT: 9.882 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN086360.D
Acq: 21 Apr 2025 16:10

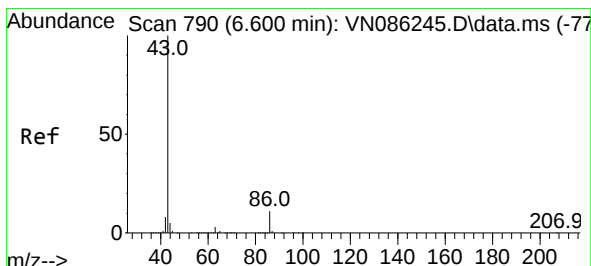
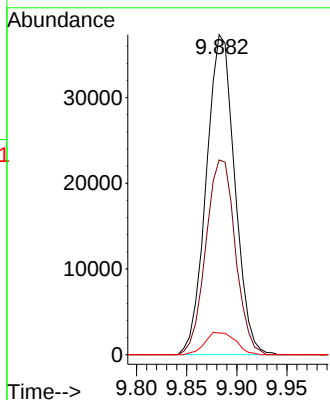
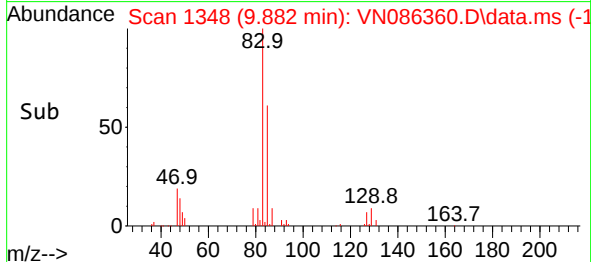
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



Tgt Ion: 83 Resp: 7385
Ion Ratio Lower Upper
83 100
85 60.9 50.2 75.2
127 6.8 6.2 9.4

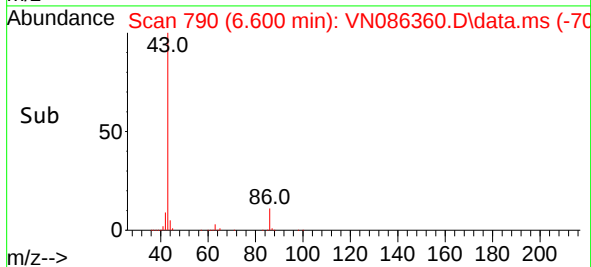
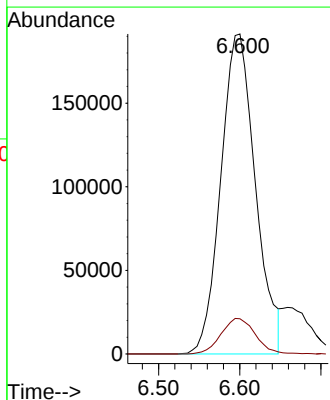
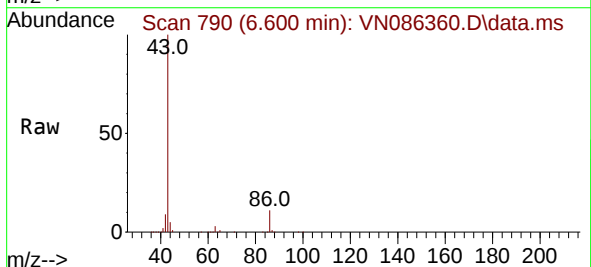
Manual Integrations
APPROVED

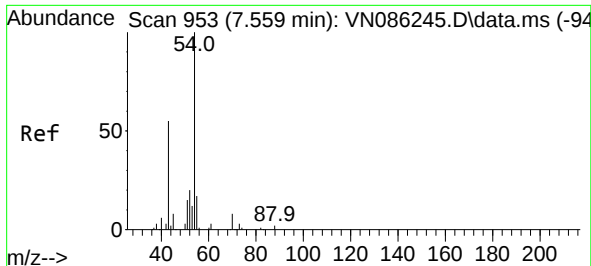
Reviewed By :John Carlone 04/22/2025
Supervised By :Mahesh Dadoda 04/22/2025



#42
Vinyl Acetate
Concen: 91.405 ug/l
RT: 6.600 min Scan# 790
Delta R.T. -0.000 min
Lab File: VN086360.D
Acq: 21 Apr 2025 16:10

Tgt Ion: 43 Resp: 567195
Ion Ratio Lower Upper
43 100
86 11.0 8.4 12.6





#43

Ethyl Acetate

Concen: 16.636 ug/l

RT: 7.553 min Scan# 91

Delta R.T. -0.006 min

Lab File: VN086360.D

Acq: 21 Apr 2025 16:10

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tgt Ion: 43 Resp: 6117

Ion Ratio Lower Upper

43 100

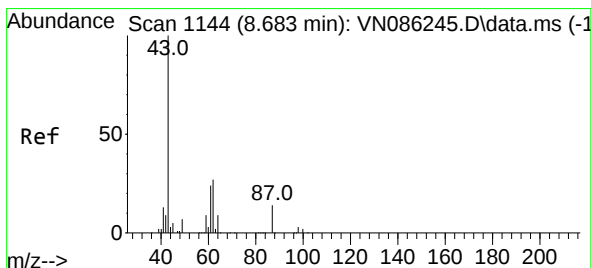
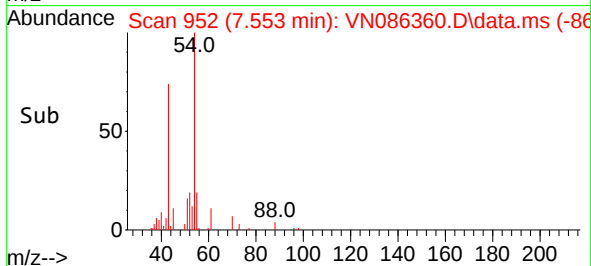
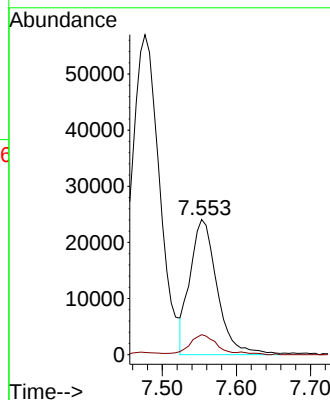
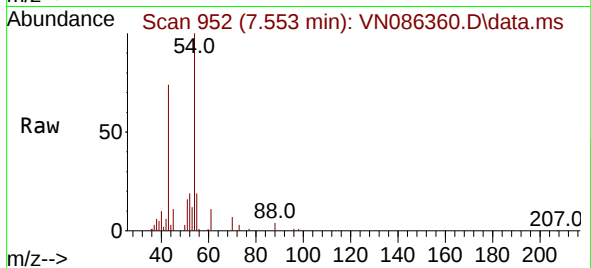
45 13.0 11.2 16.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 04/22/2025

Supervised By :Mahesh Dadoda 04/22/2025



#44

Isopropyl Acetate

Concen: 17.815 ug/l

RT: 8.682 min Scan# 1144

Delta R.T. -0.000 min

Lab File: VN086360.D

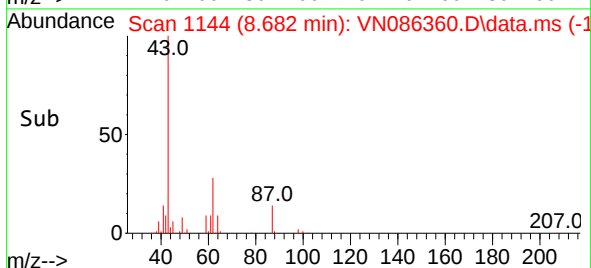
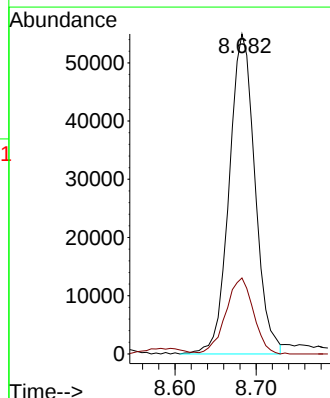
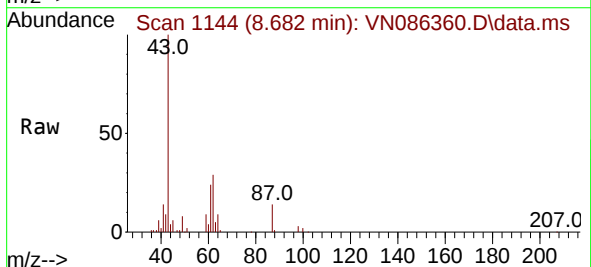
Acq: 21 Apr 2025 16:10

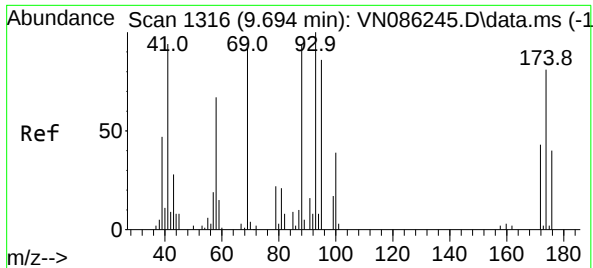
Tgt Ion: 43 Resp: 121521

Ion Ratio Lower Upper

43 100

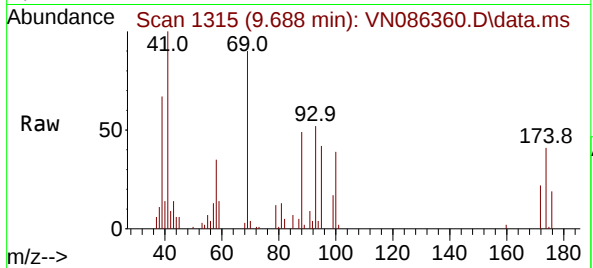
61 25.3 20.5 30.7





#45
1,4-Dioxane
Concen: 319.495 ug/l
RT: 9.688 min Scan# 1315
Delta R.T. -0.006 min
Lab File: VN086360.D
Acq: 21 Apr 2025 16:10

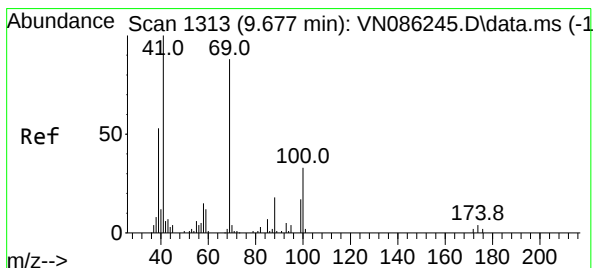
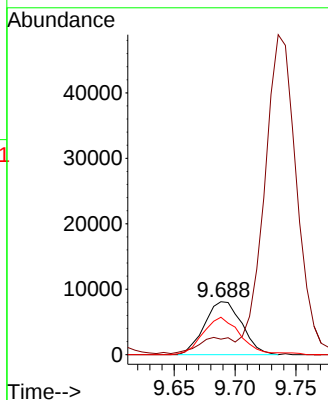
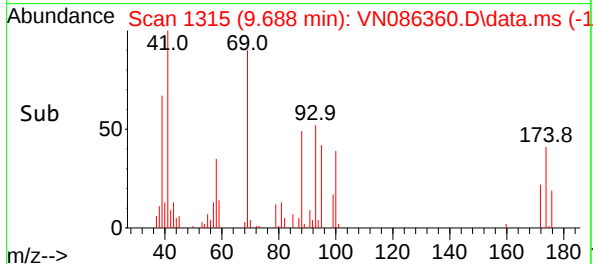
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



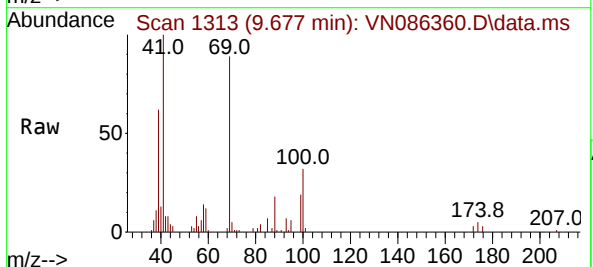
Tgt Ion: 88 Resp: 17330
Ion Ratio Lower Upper
88 100
43 31.3 14.4 21.6
58 69.1 59.8 89.8

Manual Integrations
APPROVED

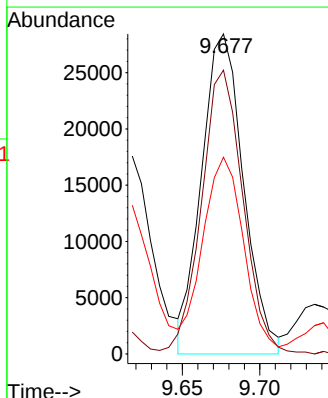
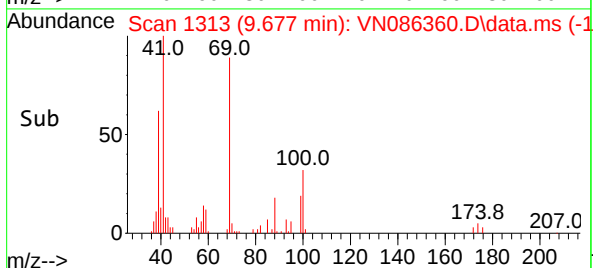
Reviewed By :John Carlone 04/22/2025
Supervised By :Mahesh Dadoda 04/22/2025

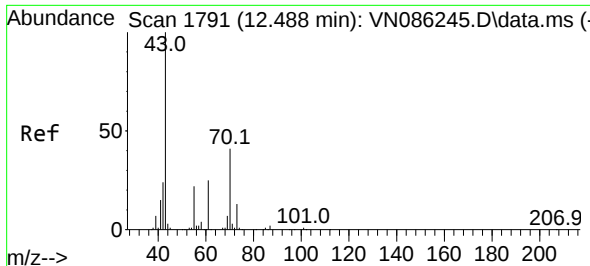


#46
Methyl methacrylate
Concen: 17.846 ug/l
RT: 9.677 min Scan# 1313
Delta R.T. -0.000 min
Lab File: VN086360.D
Acq: 21 Apr 2025 16:10



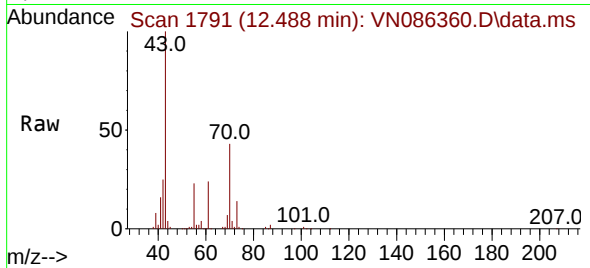
Tgt Ion: 41 Resp: 53637
Ion Ratio Lower Upper
41 100
69 91.3 43.2 129.6
39 62.6 26.4 79.0





#47
n-amy1 Acetate
Concen: 18.683 ug/l
RT: 12.488 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VN086360.D
Acq: 21 Apr 2025 16:10

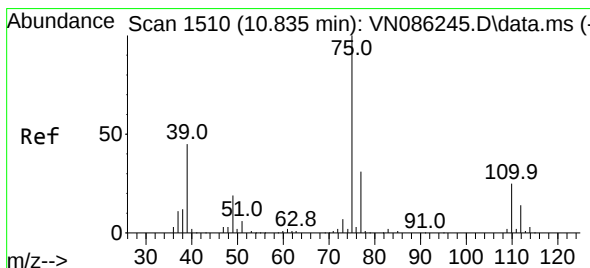
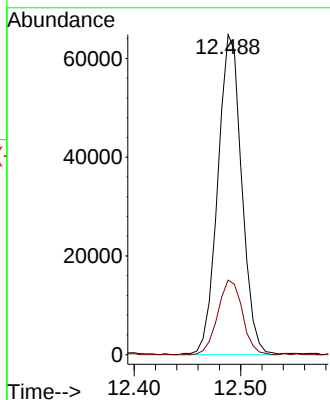
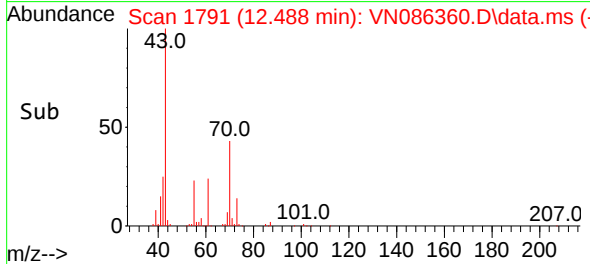
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



Tgt Ion: 43 Resp: 10104
Ion Ratio Lower Upper
43 100
55 24.0 19.0 28.4

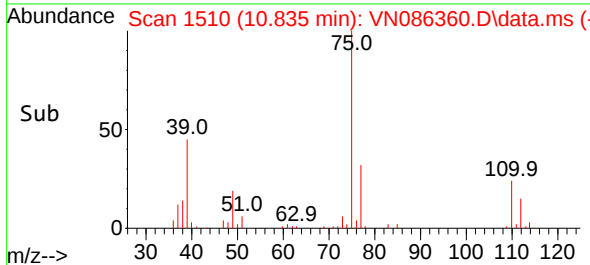
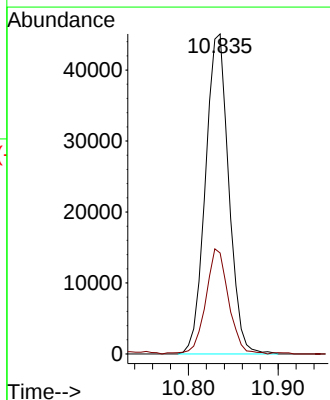
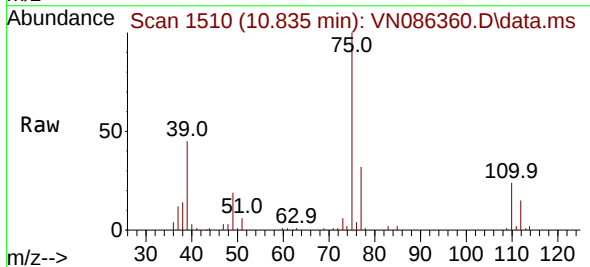
Manual Integrations
APPROVED

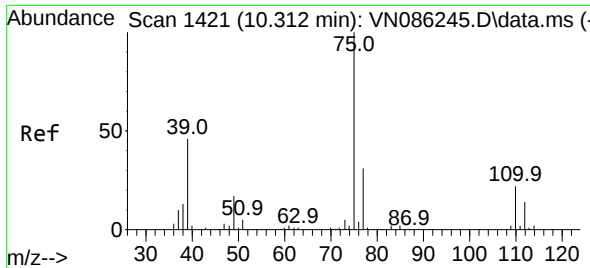
Reviewed By :John Carlone 04/22/2025
Supervised By :Mahesh Dadoda 04/22/2025



#48
t-1,3-Dichloropropene
Concen: 19.897 ug/l
RT: 10.835 min Scan# 1510
Delta R.T. -0.000 min
Lab File: VN086360.D
Acq: 21 Apr 2025 16:10

Tgt Ion: 75 Resp: 81283
Ion Ratio Lower Upper
75 100
77 31.2 25.1 37.7





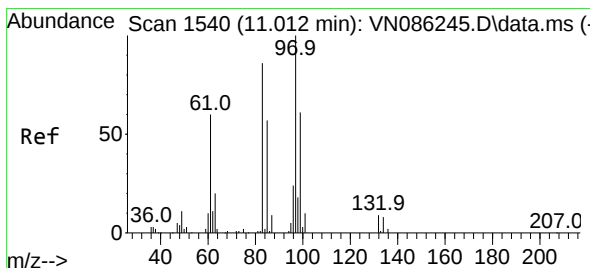
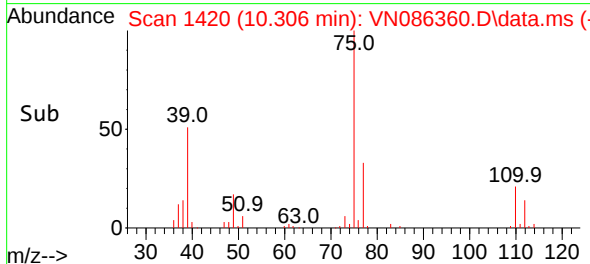
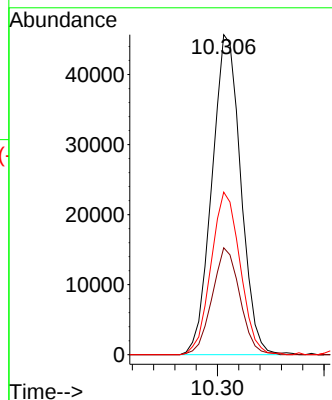
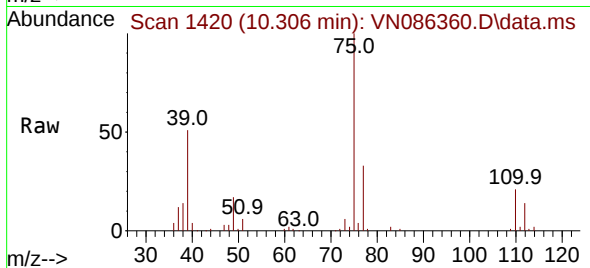
#49
 cis-1,3-Dichloropropene
 Concen: 19.837 ug/l
 RT: 10.306 min Scan# 1420
 Delta R.T. -0.006 min
 Lab File: VN086360.D
 Acq: 21 Apr 2025 16:10

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tgt Ion: 75 Resp: 8576
 Ion Ratio Lower Upper
 75 100
 77 33.4 25.0 37.4
 39 50.8 36.7 55.1

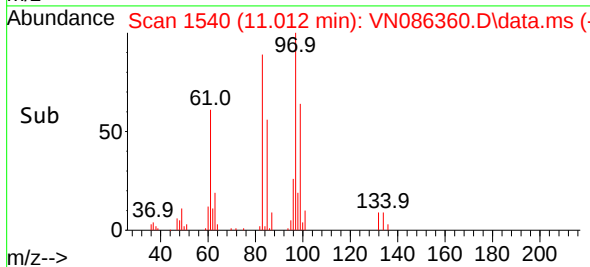
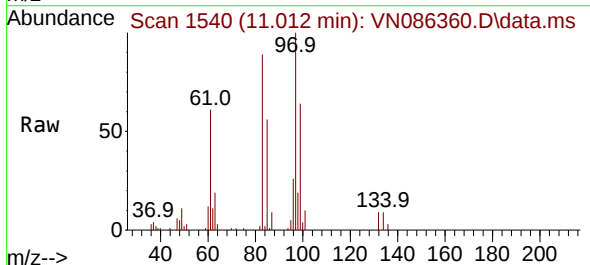
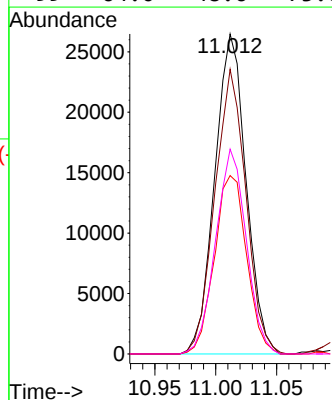
Manual Integrations
 APPROVED

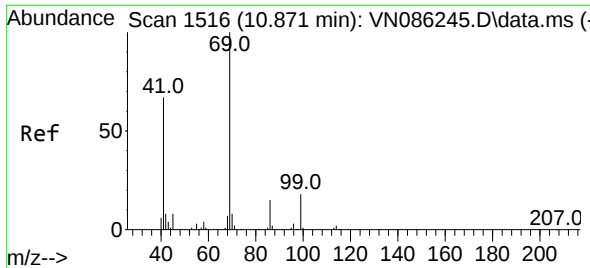
Reviewed By :John Carlone 04/22/2025
 Supervised By :Mahesh Dadoda 04/22/2025



#50
 1,1,2-Trichloroethane
 Concen: 20.093 ug/l
 RT: 11.012 min Scan# 1540
 Delta R.T. -0.000 min
 Lab File: VN086360.D
 Acq: 21 Apr 2025 16:10

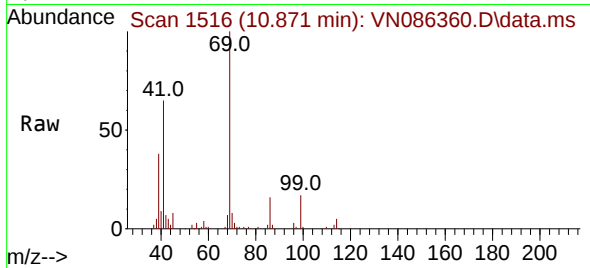
Tgt Ion: 97 Resp: 47403
 Ion Ratio Lower Upper
 97 100
 83 88.9 68.6 103.0
 85 55.7 45.9 68.9
 99 64.0 48.6 73.0





#51
Ethyl methacrylate
Concen: 18.755 ug/l
RT: 10.871 min Scan# 1516
Delta R.T. -0.000 min
Lab File: VN086360.D
Acq: 21 Apr 2025 16:10

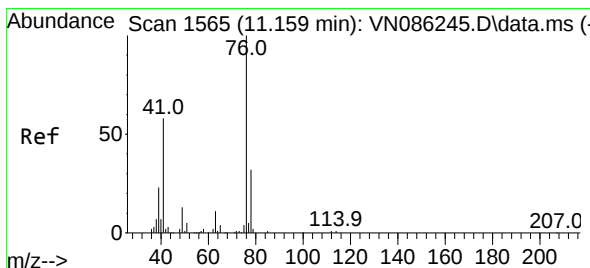
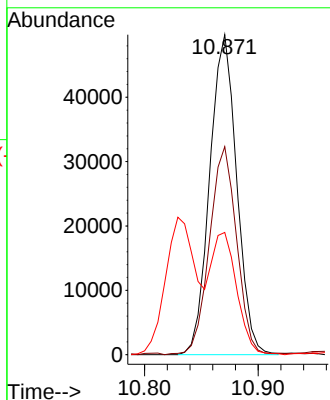
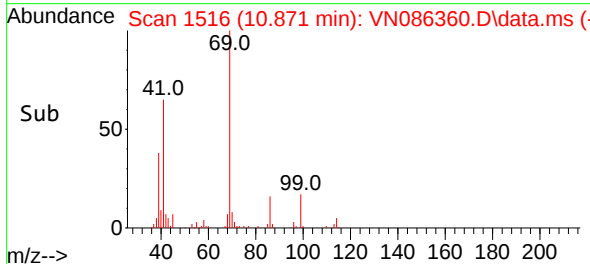
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



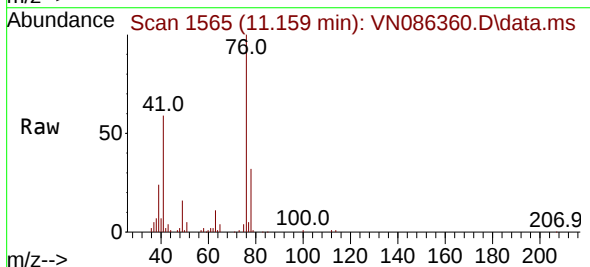
Tgt Ion: 69 Resp: 82220
Ion Ratio Lower Upper
69 100
41 64.6 33.6 100.6
39 37.9 17.8 53.4

Manual Integrations
APPROVED

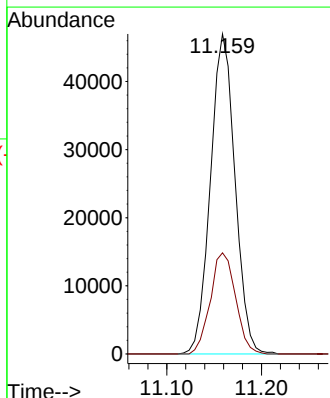
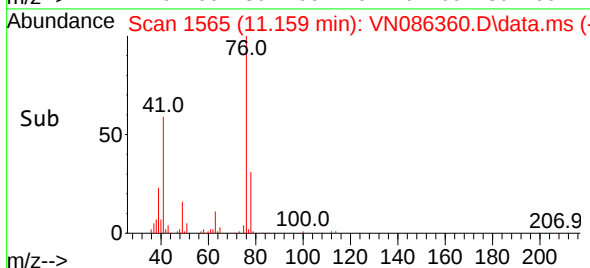
Reviewed By :John Carlone 04/22/2025
Supervised By :Mahesh Dadoda 04/22/2025

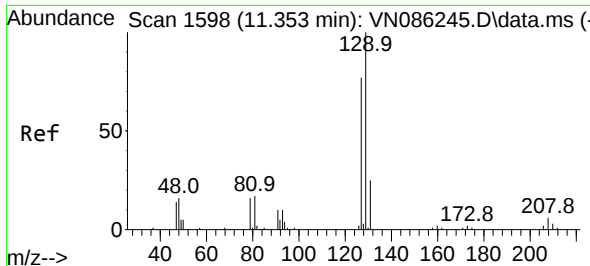


#52
1,3-Dichloropropane
Concen: 20.135 ug/l
RT: 11.159 min Scan# 1565
Delta R.T. -0.000 min
Lab File: VN086360.D
Acq: 21 Apr 2025 16:10



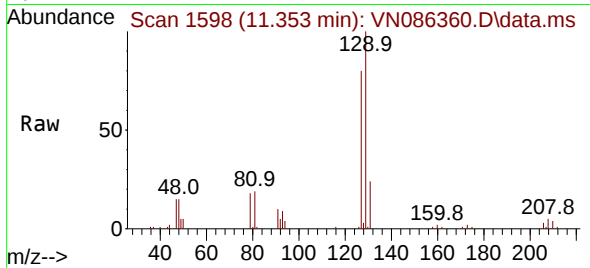
Tgt Ion: 76 Resp: 84665
Ion Ratio Lower Upper
76 100
78 32.5 0.0 64.6





#53
 Dibromochloromethane
 Concen: 20.226 ug/l
 RT: 11.353 min Scan# 1598
 Delta R.T. -0.000 min
 Lab File: VN086360.D
 Acq: 21 Apr 2025 16:10

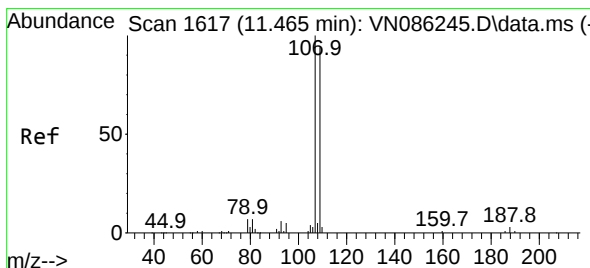
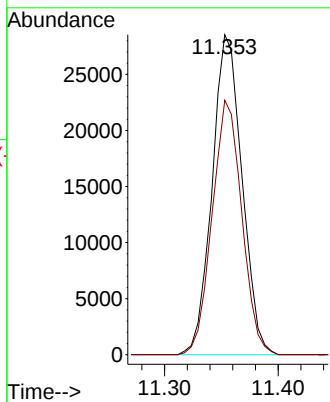
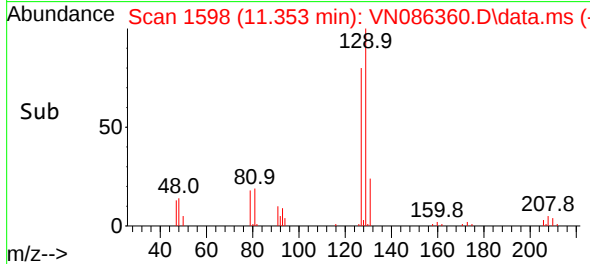
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC



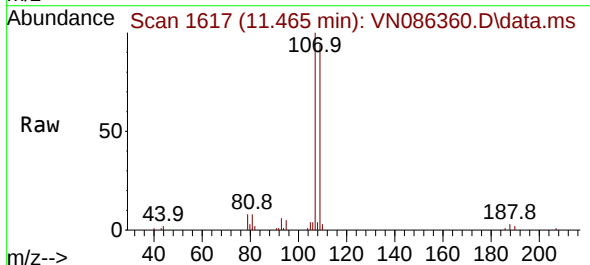
Tgt Ion:129 Resp: 5219
 Ion Ratio Lower Upper
 129 100
 127 78.7 38.5 115.5

Manual Integrations
 APPROVED

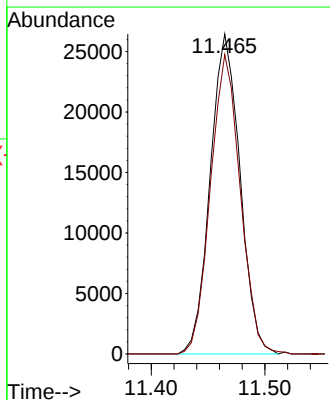
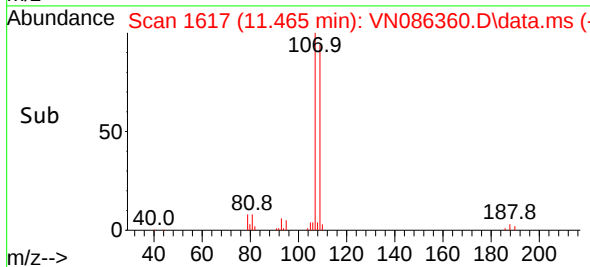
Reviewed By :John Carlone 04/22/2025
 Supervised By :Mahesh Dadoda 04/22/2025

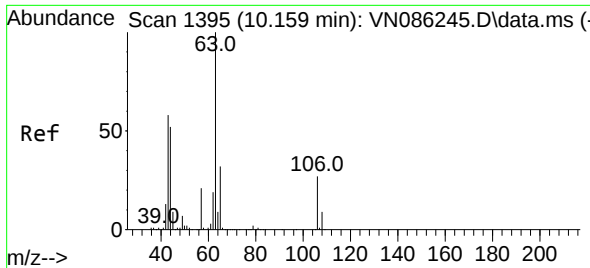


#54
 1,2-Dibromoethane
 Concen: 20.209 ug/l
 RT: 11.465 min Scan# 1617
 Delta R.T. -0.000 min
 Lab File: VN086360.D
 Acq: 21 Apr 2025 16:10



Tgt Ion:107 Resp: 48128
 Ion Ratio Lower Upper
 107 100
 109 93.7 75.2 112.8





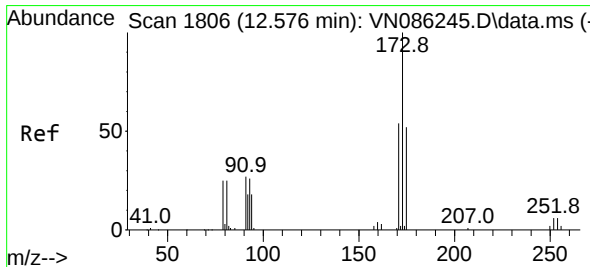
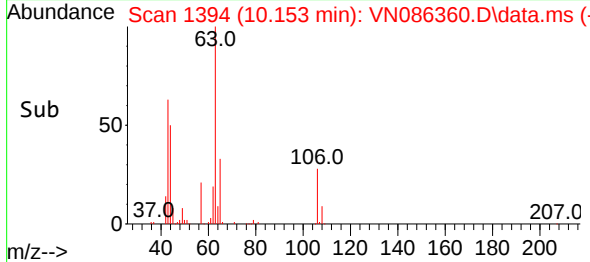
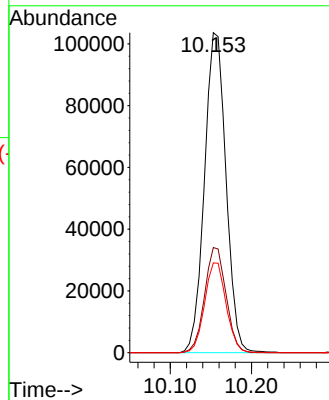
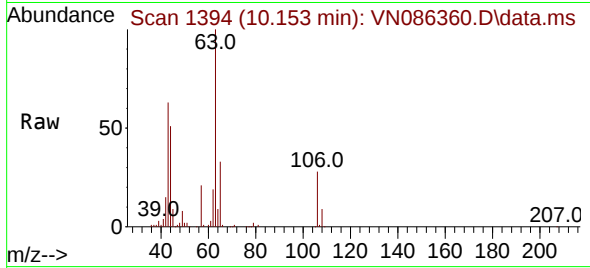
#55
2-Chloroethyl vinyl ether
Concen: 115.340 ug/l
RT: 10.153 min Scan# 1394
Delta R.T. -0.006 min
Lab File: VN086360.D
Acq: 21 Apr 2025 16:10

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tgt Ion: 63 Resp: 19107
Ion Ratio Lower Upper
63 100
65 32.5 25.8 38.8
106 28.0 21.8 32.8

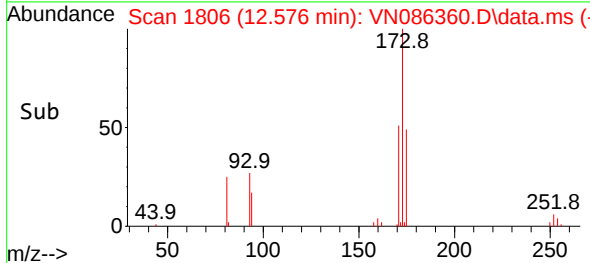
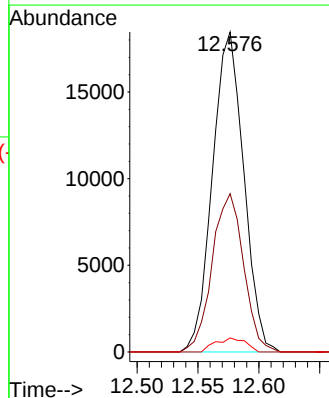
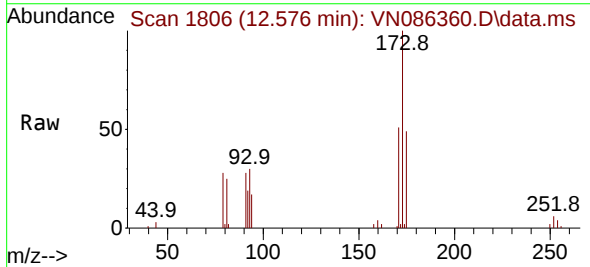
Manual Integrations
APPROVED

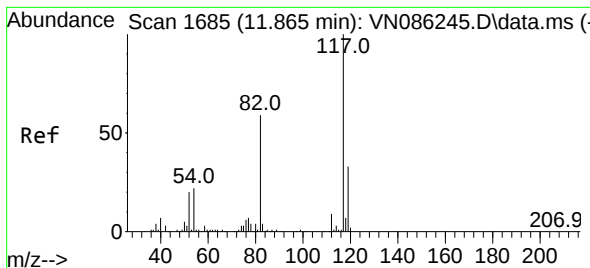
Reviewed By :John Carlone 04/22/2025
Supervised By :Mahesh Dadoda 04/22/2025



#56
Bromoform
Concen: 19.532 ug/l
RT: 12.576 min Scan# 1806
Delta R.T. -0.000 min
Lab File: VN086360.D
Acq: 21 Apr 2025 16:10

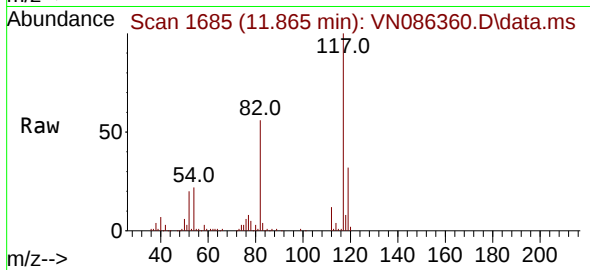
Tgt Ion:173 Resp: 32976
Ion Ratio Lower Upper
173 100
175 49.8 38.2 57.4
254 4.2 4.5 6.7#





#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.865 min Scan# 117
Delta R.T. -0.000 min
Lab File: VN086360.D
Acq: 21 Apr 2025 16:10

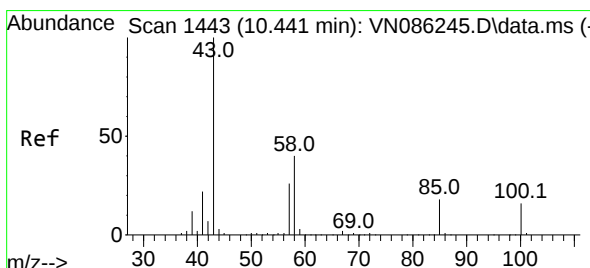
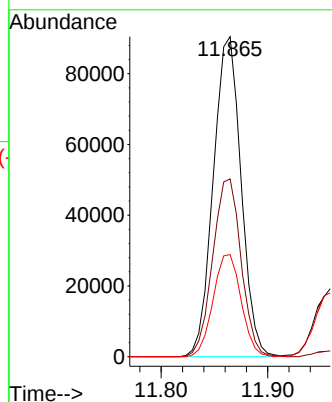
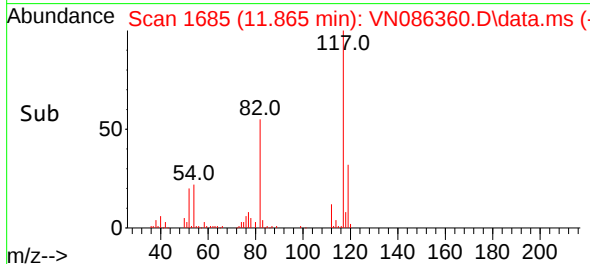
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



Tgt Ion: 117 Resp: 16382
Ion Ratio Lower Upper
117 100
82 56.7 47.3 70.9
119 32.2 25.9 38.9

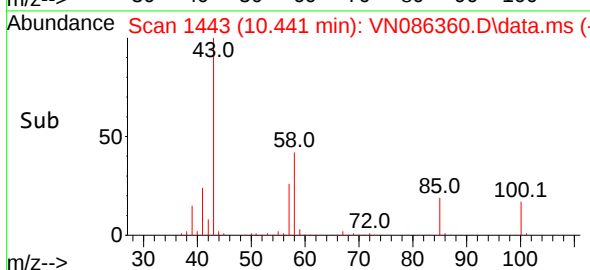
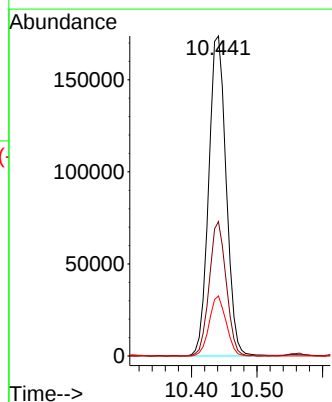
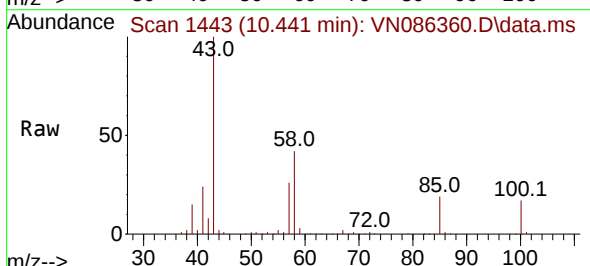
Manual Integrations
APPROVED

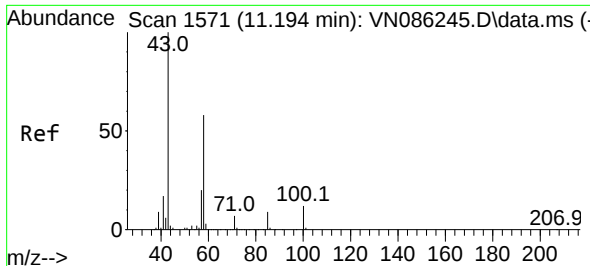
Reviewed By :John Carlone 04/22/2025
Supervised By :Mahesh Dadoda 04/22/2025



#58
4-Methyl-2-Pentanone
Concen: 86.802 ug/l
RT: 10.441 min Scan# 1443
Delta R.T. -0.000 min
Lab File: VN086360.D
Acq: 21 Apr 2025 16:10

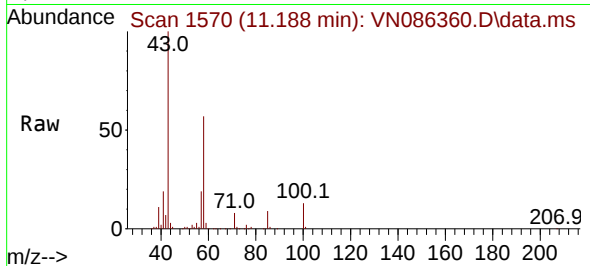
Tgt Ion: 43 Resp: 322698
Ion Ratio Lower Upper
43 100
58 40.7 32.5 48.7
85 18.1 14.4 21.6





#59
2-Hexanone
Concen: 84.100 ug/l
RT: 11.188 min Scan# 1570
Delta R.T. -0.006 min
Lab File: VN086360.D
Acq: 21 Apr 2025 16:10

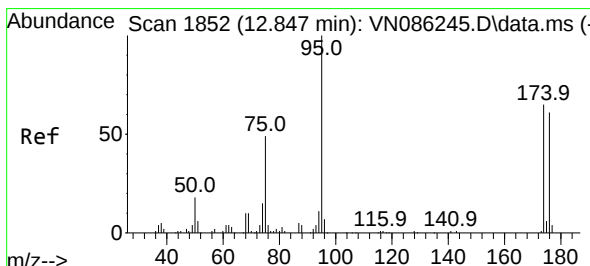
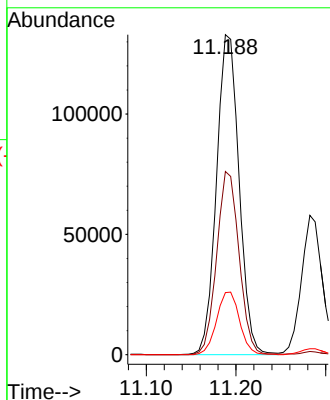
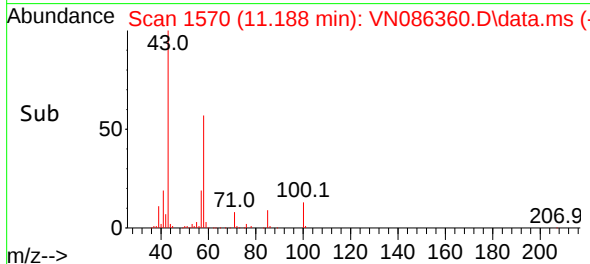
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



Tgt Ion: 43 Resp: 232809
Ion Ratio Lower Upper
43 100
58 56.6 45.3 67.9
57 19.9 15.8 23.6

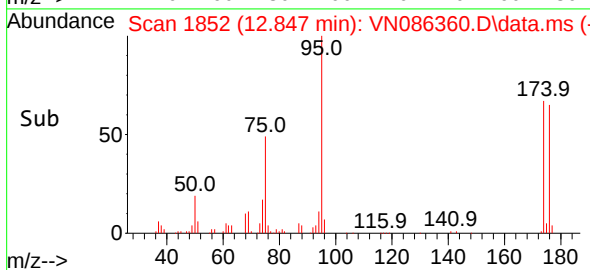
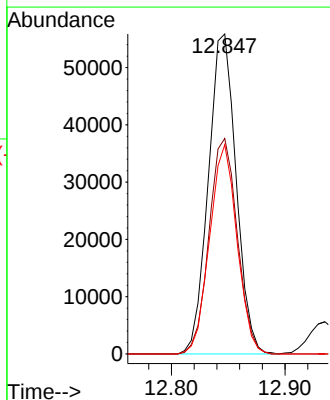
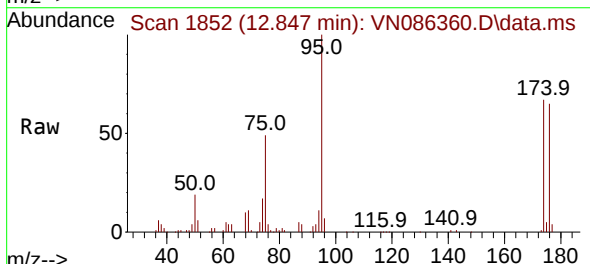
Manual Integrations
APPROVED

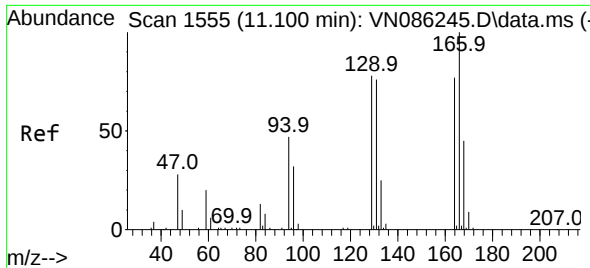
Reviewed By :John Carlone 04/22/2025
Supervised By :Mahesh Dadoda 04/22/2025



#60
4-Bromofluorobenzene
Concen: 29.145 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN086360.D
Acq: 21 Apr 2025 16:10

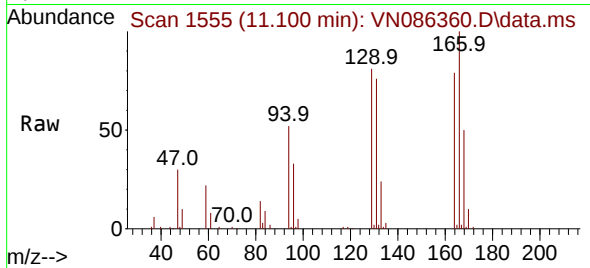
Tgt Ion: 95 Resp: 95061
Ion Ratio Lower Upper
95 100
174 68.5 52.7 79.1
176 64.3 49.8 74.8





#61
Tetrachloroethene
Concen: 20.434 ug/l
RT: 11.100 min Scan# 1155
Delta R.T. -0.000 min
Lab File: VN086360.D
Acq: 21 Apr 2025 16:10

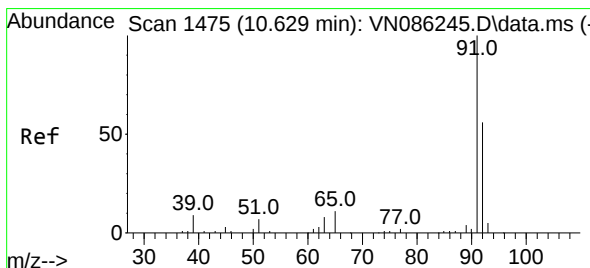
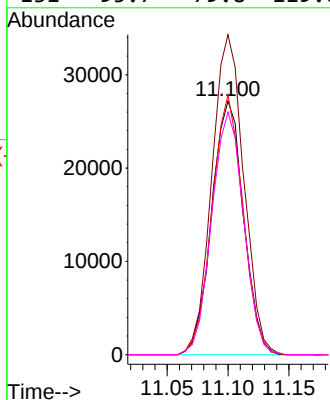
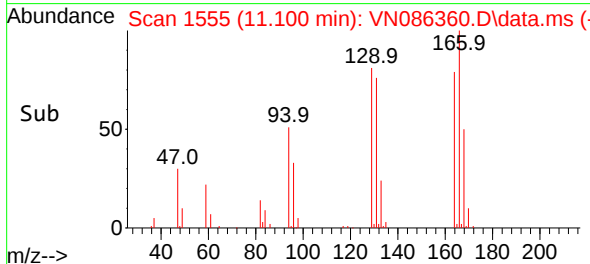
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



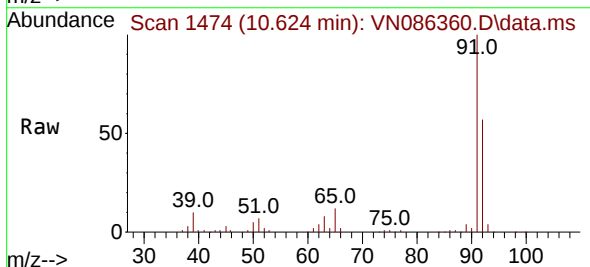
Tgt Ion:164 Resp: 49430
Ion Ratio Lower Upper
164 100
166 126.2 104.5 156.7
129 102.5 81.7 122.5
131 95.7 79.8 119.6

Manual Integrations
APPROVED

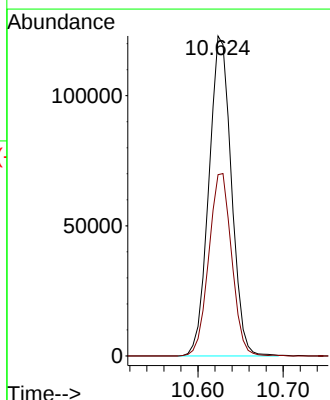
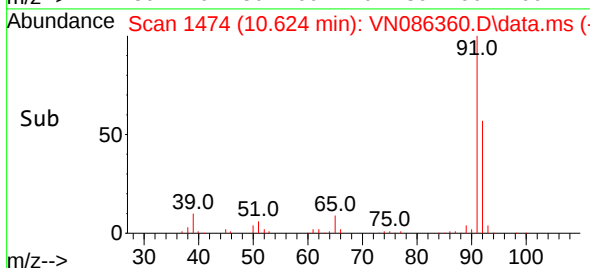
Reviewed By :John Carlone 04/22/2025
Supervised By :Mahesh Dadoda 04/22/2025

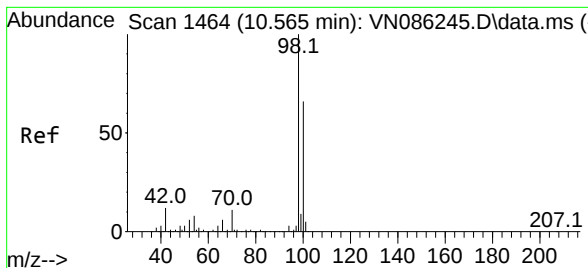


#62
Toluene
Concen: 20.529 ug/l
RT: 10.624 min Scan# 1474
Delta R.T. -0.006 min
Lab File: VN086360.D
Acq: 21 Apr 2025 16:10



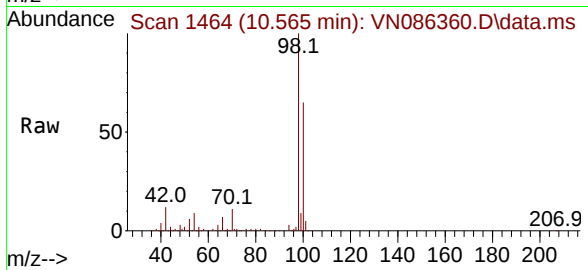
Tgt Ion: 91 Resp: 225579
Ion Ratio Lower Upper
91 100
92 57.9 46.8 70.2





#63
Toluene-d8
Concen: 29.396 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN086360.D
Acq: 21 Apr 2025 16:10

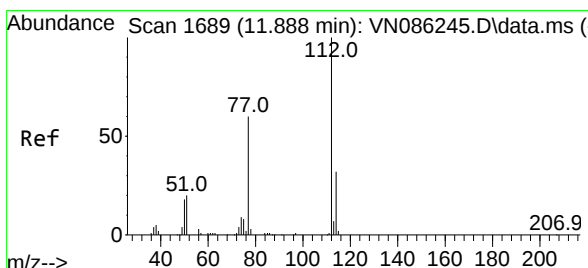
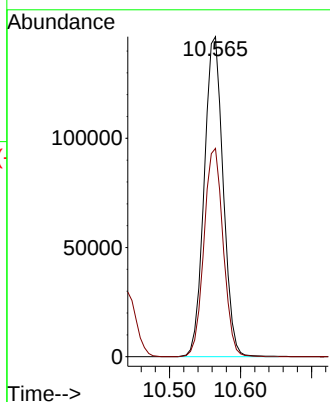
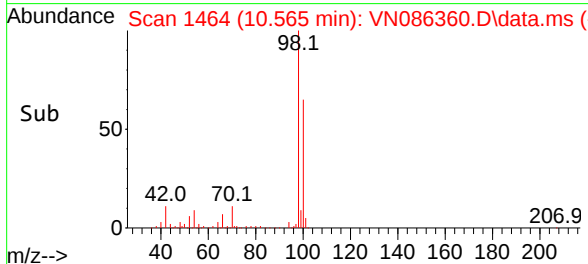
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



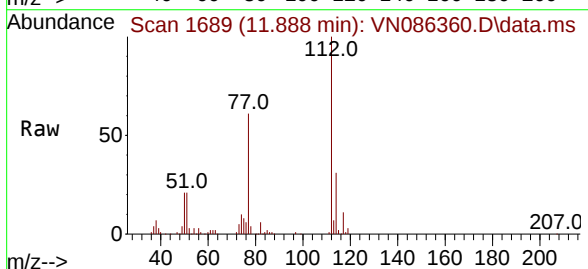
Tgt Ion: 98 Resp: 27187
Ion Ratio Lower Upper
98 100
100 65.9 52.3 78.5

Manual Integrations
APPROVED

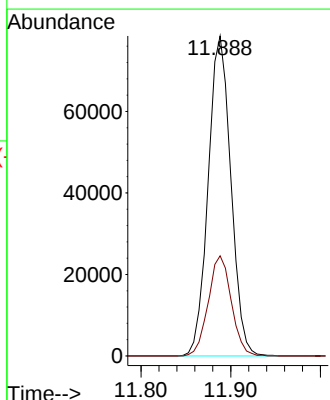
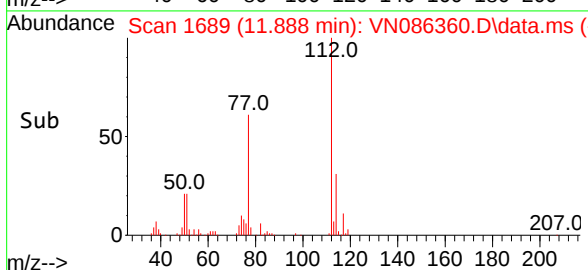
Reviewed By :John Carlone 04/22/2025
Supervised By :Mahesh Dadoda 04/22/2025

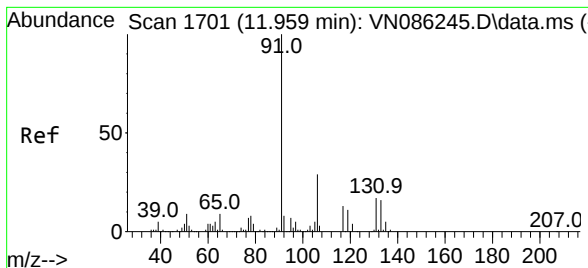


#64
Chlorobenzene
Concen: 20.549 ug/l
RT: 11.888 min Scan# 1689
Delta R.T. -0.000 min
Lab File: VN086360.D
Acq: 21 Apr 2025 16:10



Tgt Ion:112 Resp: 137946
Ion Ratio Lower Upper
112 100
114 31.3 25.8 38.6





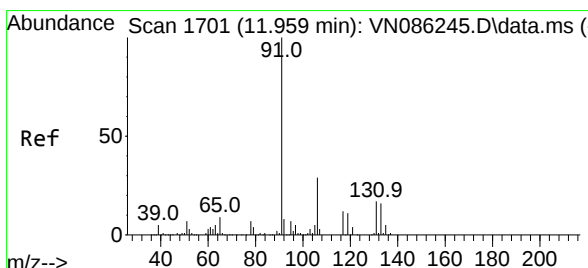
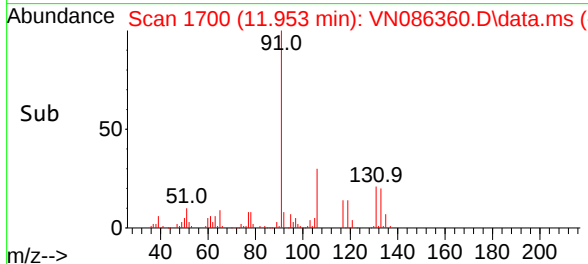
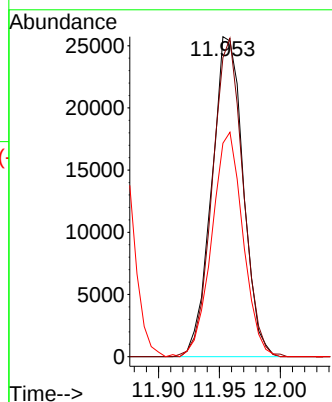
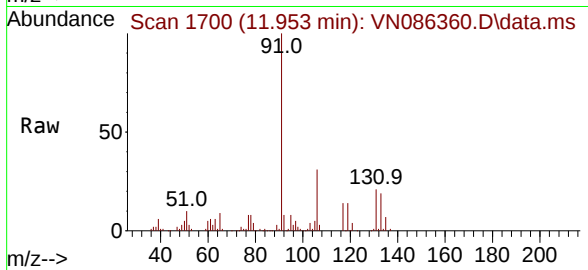
#65
1,1,1,2-Tetrachloroethane
Concen: 20.890 ug/l
RT: 11.953 min Scan# 11
Delta R.T. -0.006 min
Lab File: VN086360.D
Acq: 21 Apr 2025 16:10

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tgt Ion:131 Resp: 4628
Ion Ratio Lower Upper
131 100
133 96.8 0.0 190.4
119 69.2 0.0 135.6

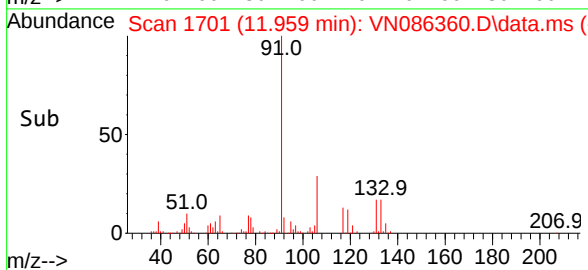
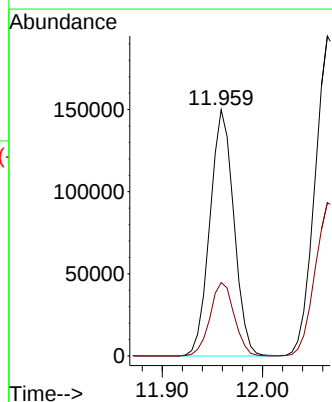
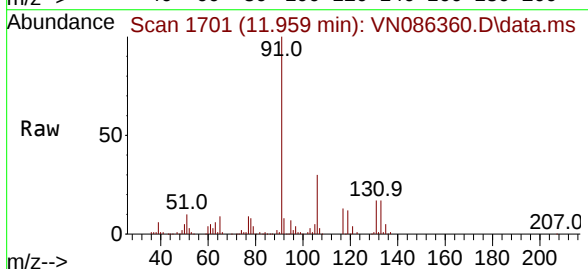
Manual Integrations
APPROVED

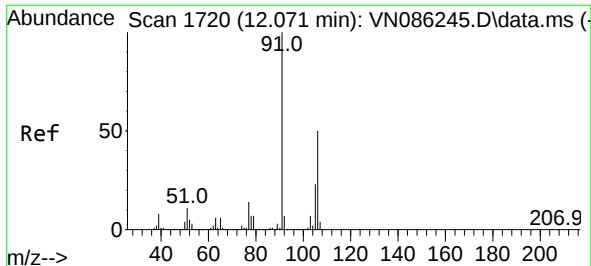
Reviewed By :John Carlone 04/22/2025
Supervised By :Mahesh Dadoda 04/22/2025



#66
Ethyl Benzene
Concen: 20.444 ug/l
RT: 11.959 min Scan# 1701
Delta R.T. -0.000 min
Lab File: VN086360.D
Acq: 21 Apr 2025 16:10

Tgt Ion: 91 Resp: 249125
Ion Ratio Lower Upper
91 100
106 29.9 23.4 35.0





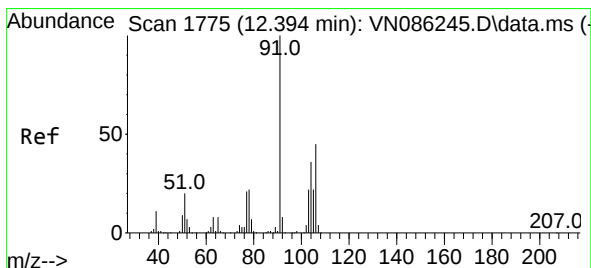
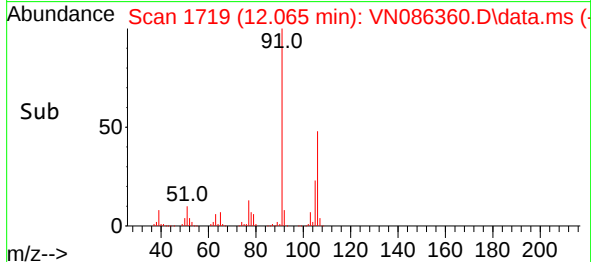
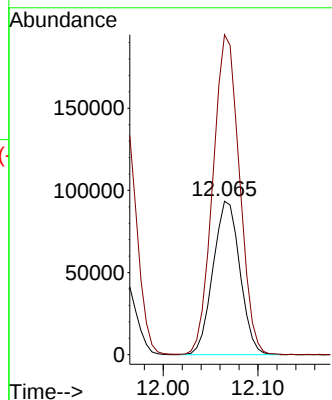
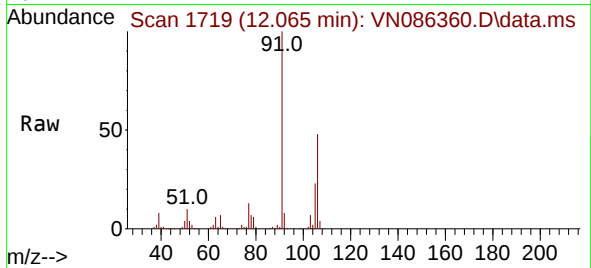
#67
m/p-Xylenes
Concen: 40.632 ug/l
RT: 12.065 min Scan# 1719
Delta R.T. -0.006 min
Lab File: VN086360.D
Acq: 21 Apr 2025 16:10

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tgt Ion:106 Resp: 184109
Ion Ratio Lower Upper
106 100
91 206.5 164.5 246.7

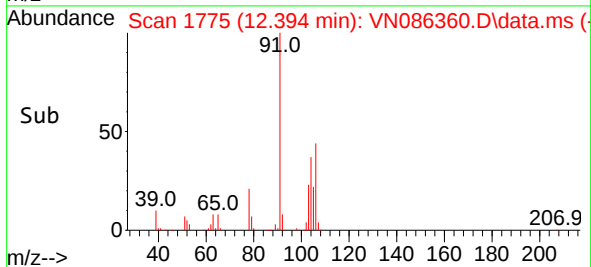
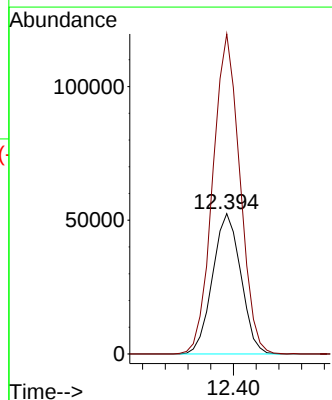
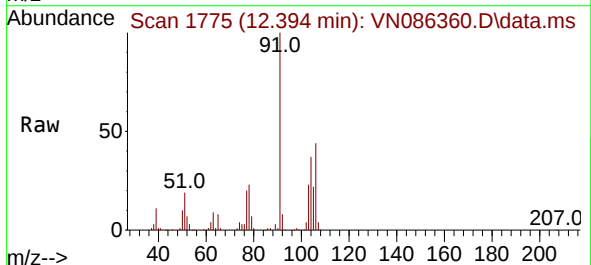
Manual Integrations
APPROVED

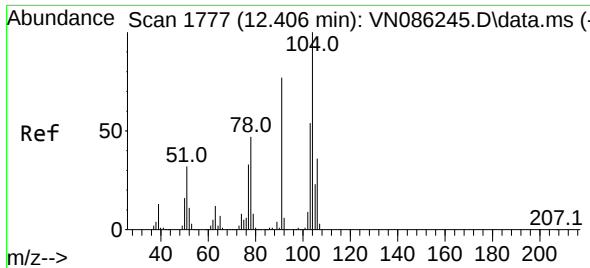
Reviewed By :John Carlone 04/22/2025
Supervised By :Mahesh Dadoda 04/22/2025



#68
o-Xylene
Concen: 20.342 ug/l
RT: 12.394 min Scan# 1775
Delta R.T. -0.000 min
Lab File: VN086360.D
Acq: 21 Apr 2025 16:10

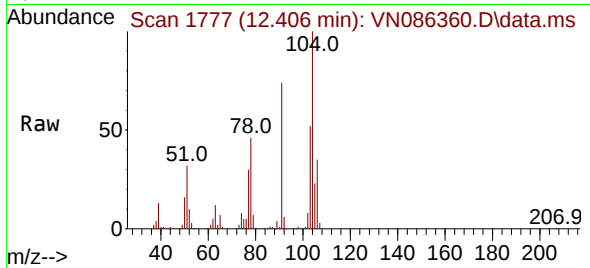
Tgt Ion:106 Resp: 90663
Ion Ratio Lower Upper
106 100
91 219.0 109.8 329.4





#69
Styrene
Concen: 20.229 ug/l
RT: 12.406 min Scan# 1777
Delta R.T. -0.000 min
Lab File: VN086360.D
Acq: 21 Apr 2025 16:10

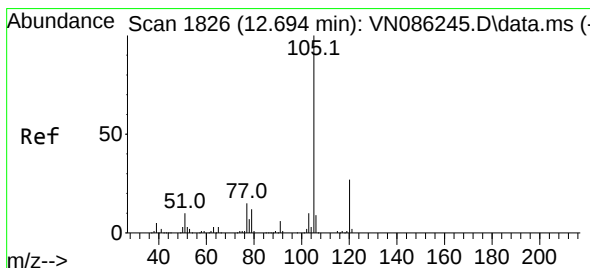
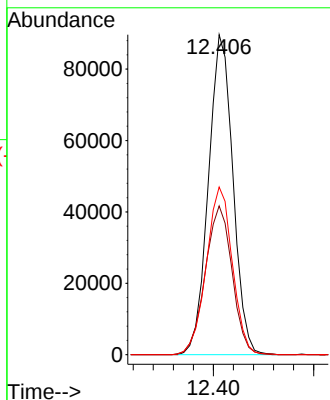
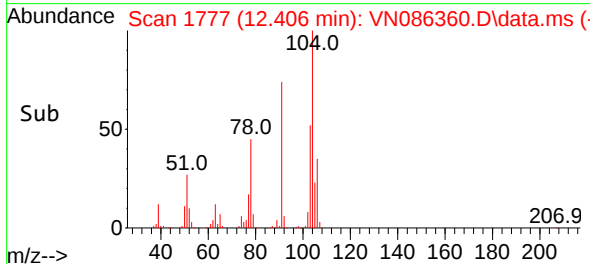
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



Tgt Ion:104 Resp: 152049
Ion Ratio Lower Upper
104 100
78 50.8 41.4 62.0
103 55.7 44.2 66.4

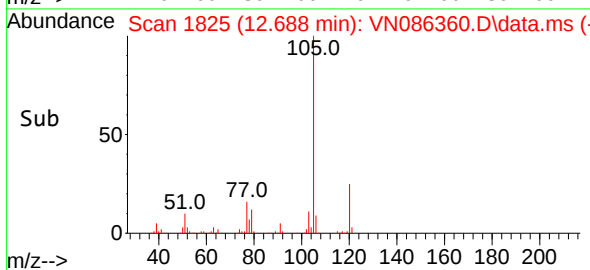
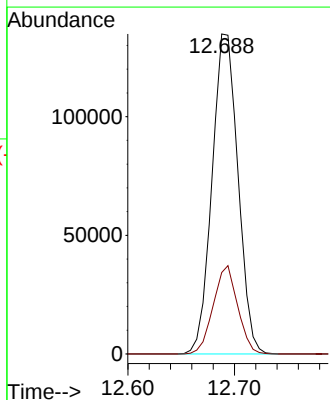
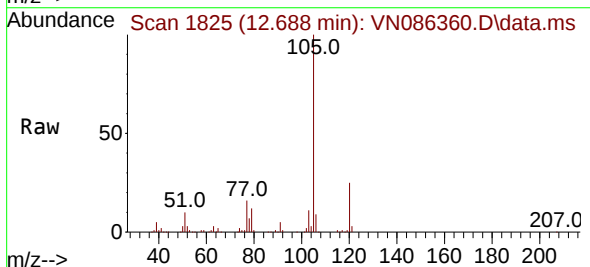
Manual Integrations
APPROVED

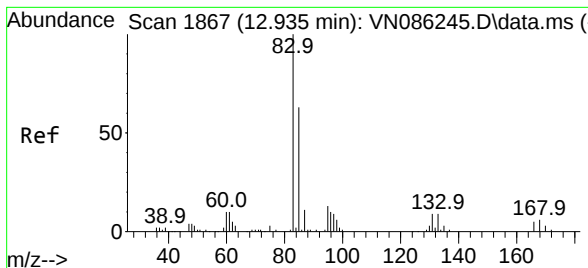
Reviewed By :John Carlone 04/22/2025
Supervised By :Mahesh Dadoda 04/22/2025



#70
Isopropylbenzene
Concen: 20.775 ug/l
RT: 12.688 min Scan# 1825
Delta R.T. -0.006 min
Lab File: VN086360.D
Acq: 21 Apr 2025 16:10

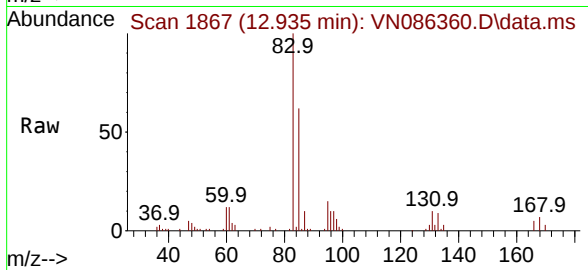
Tgt Ion:105 Resp: 228298
Ion Ratio Lower Upper
105 100
120 25.9 18.3 34.1





#71
1,1,2,2-Tetrachloroethane
Concen: 20.462 ug/l
RT: 12.935 min Scan# 1867
Delta R.T. -0.000 min
Lab File: VN086360.D
Acq: 21 Apr 2025 16:10

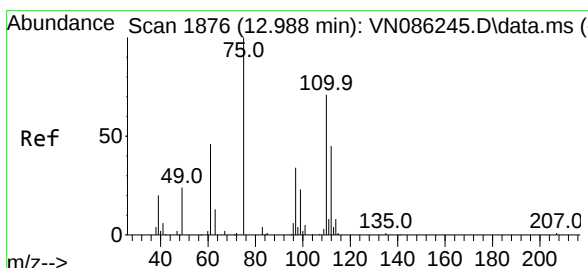
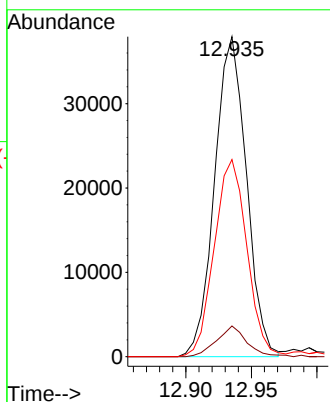
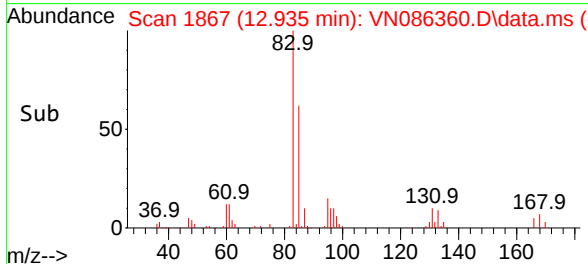
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



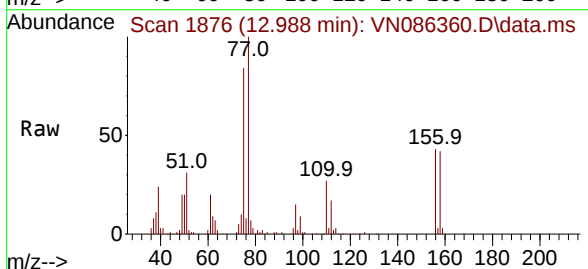
Tgt Ion: 83 Resp: 6400
Ion Ratio Lower Upper
83 100
131 9.0 4.8 14.3
85 63.2 32.3 96.8

Manual Integrations
APPROVED

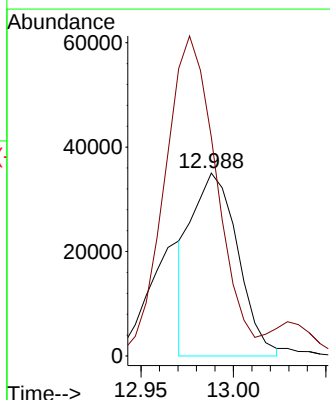
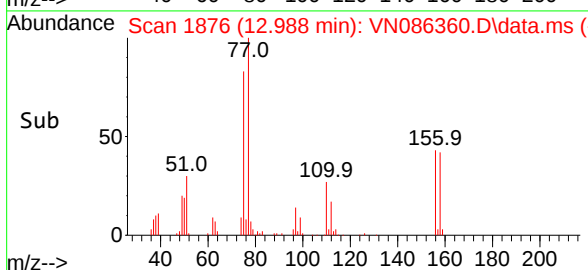
Reviewed By :John Carlone 04/22/2025
Supervised By :Mahesh Dadoda 04/22/2025

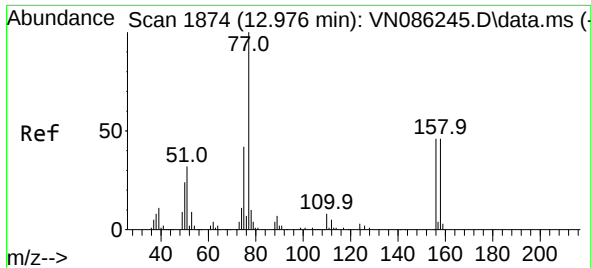


#72
1,2,3-Trichloropropane
Concen: 18.737 ug/l m
RT: 12.988 min Scan# 1876
Delta R.T. -0.000 min
Lab File: VN086360.D
Acq: 21 Apr 2025 16:10



Tgt Ion: 75 Resp: 61004
Ion Ratio Lower Upper
75 100
77 197.1 0.0 380.0





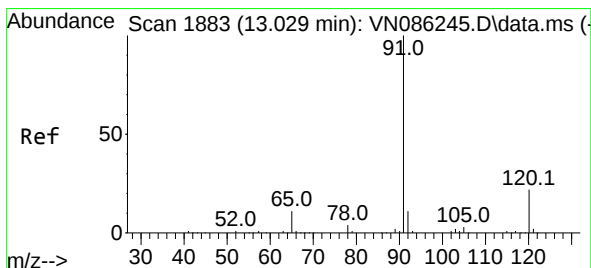
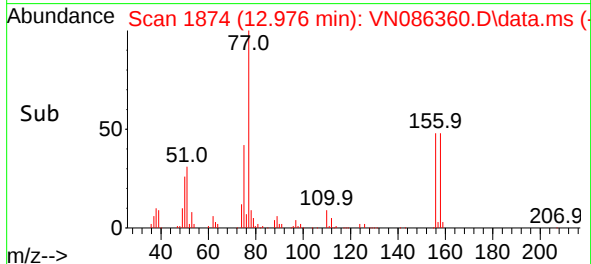
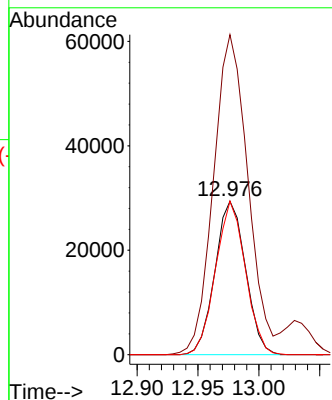
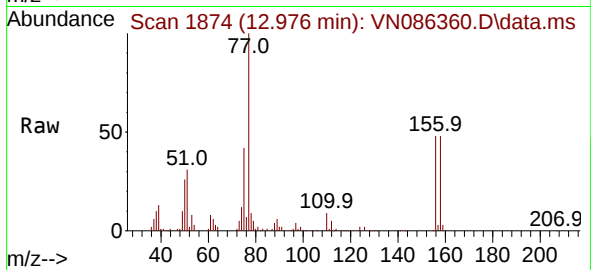
#73
Bromobenzene
Concen: 21.078 ug/l
RT: 12.976 min Scan# 1874
Delta R.T. -0.000 min
Lab File: VN086360.D
Acq: 21 Apr 2025 16:10

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tgt Ion:156 Resp: 5131
Ion Ratio Lower Upper
156 100
77 234.3 0.0 505.2
158 97.7 0.0 195.0

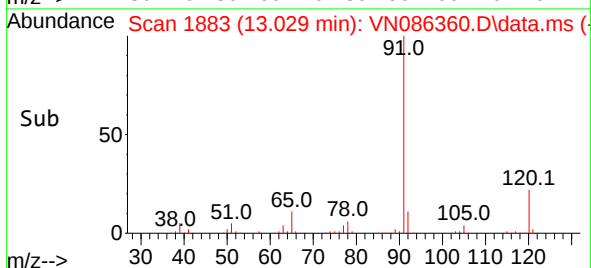
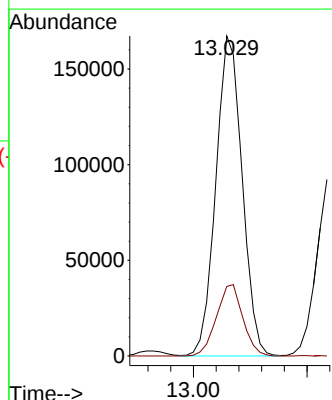
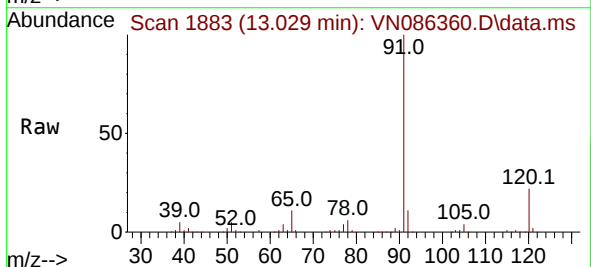
Manual Integrations
APPROVED

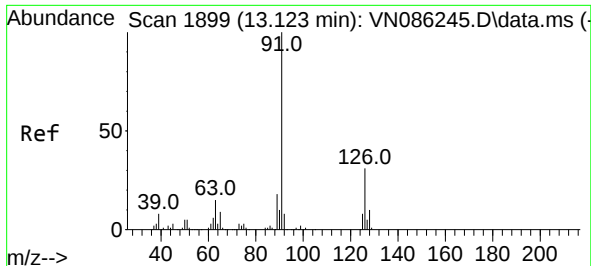
Reviewed By :John Carlone 04/22/2025
Supervised By :Mahesh Dadoda 04/22/2025



#74
n-propylbenzene
Concen: 20.724 ug/l
RT: 13.029 min Scan# 1883
Delta R.T. -0.000 min
Lab File: VN086360.D
Acq: 21 Apr 2025 16:10

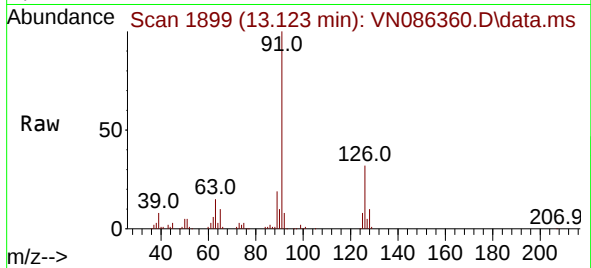
Tgt Ion: 91 Resp: 268911
Ion Ratio Lower Upper
91 100
120 22.3 0.0 44.0





#75
2-Chlorotoluene
Concen: 20.212 ug/l
RT: 13.123 min Scan# 1899
Delta R.T. -0.000 min
Lab File: VN086360.D
Acq: 21 Apr 2025 16:10

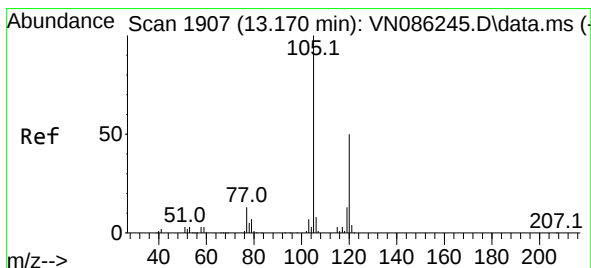
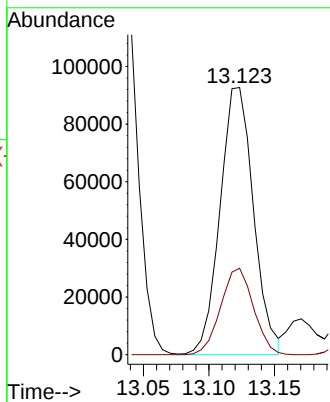
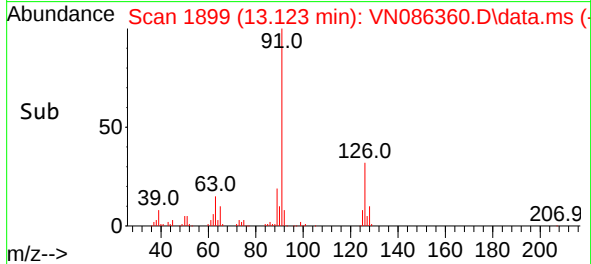
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



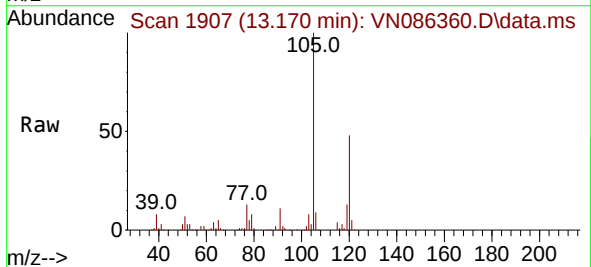
Tgt Ion: 91 Resp: 16484
Ion Ratio Lower Upper
91 100
126 31.6 0.0 63.4

Manual Integrations
APPROVED

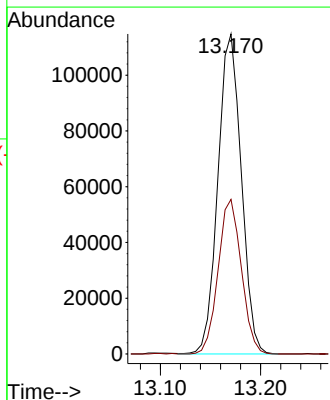
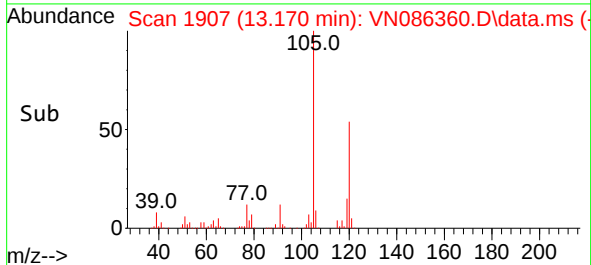
Reviewed By :John Carlone 04/22/2025
Supervised By :Mahesh Dadoda 04/22/2025

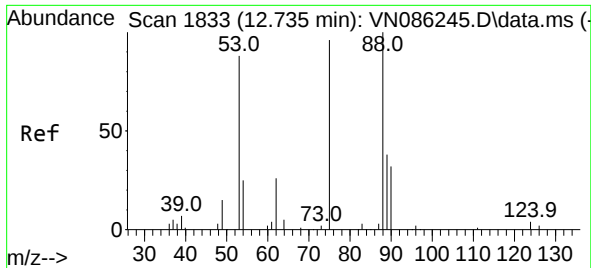


#76
1,3,5-Trimethylbenzene
Concen: 20.599 ug/l
RT: 13.170 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VN086360.D
Acq: 21 Apr 2025 16:10



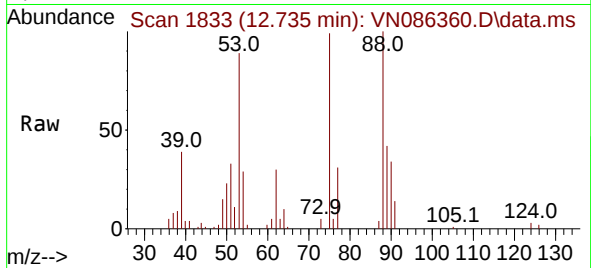
Tgt Ion:105 Resp: 185952
Ion Ratio Lower Upper
105 100
120 47.8 0.0 98.0





#77
t-1,4-Dichloro-2-butene
Concen: 17.264 ug/l
RT: 12.735 min Scan# 1833
Delta R.T. -0.000 min
Lab File: VN086360.D
Acq: 21 Apr 2025 16:10

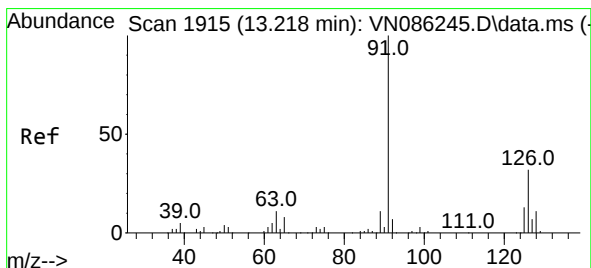
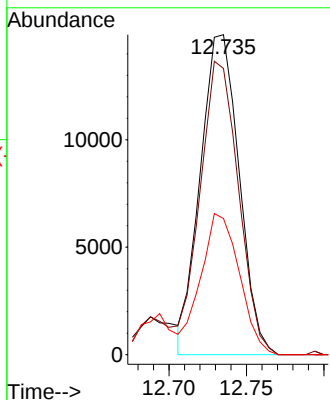
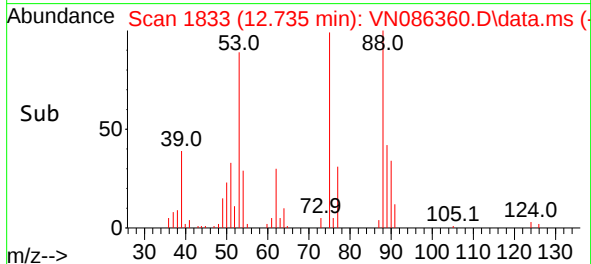
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



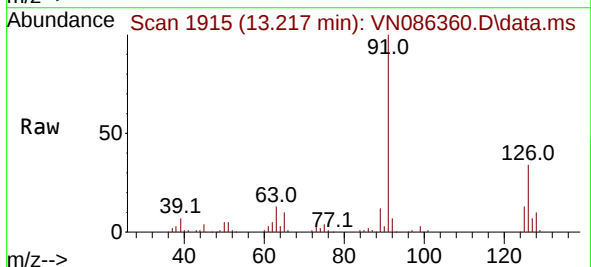
Tgt Ion: 75 Resp: 25918
Ion Ratio Lower Upper
75 100
53 89.4 46.4 139.2
89 42.5 22.5 67.5

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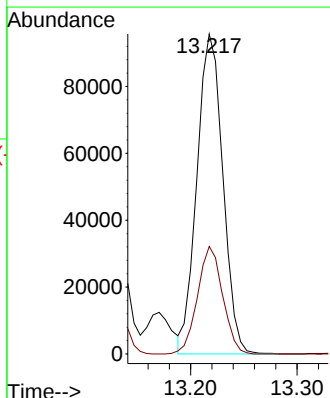
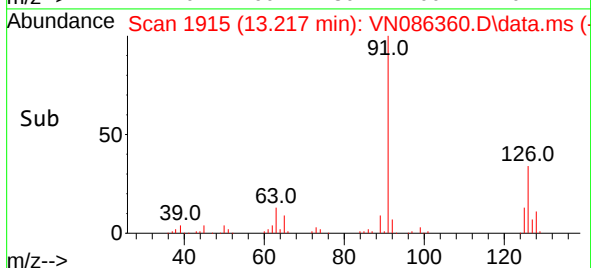
Reviewed By :John Carlone 04/22/2025
Supervised By :Mahesh Dadoda 04/22/2025

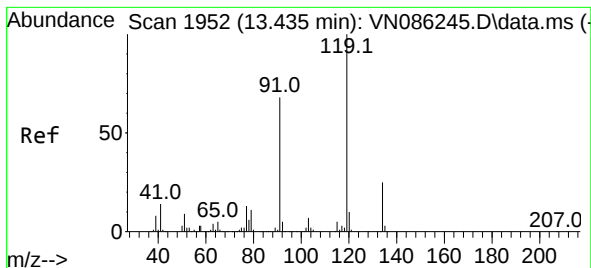


#78
4-Chlorotoluene
Concen: 19.882 ug/l
RT: 13.217 min Scan# 1915
Delta R.T. -0.000 min
Lab File: VN086360.D
Acq: 21 Apr 2025 16:10



Tgt Ion: 91 Resp: 161949
Ion Ratio Lower Upper
91 100
126 32.5 0.0 63.2





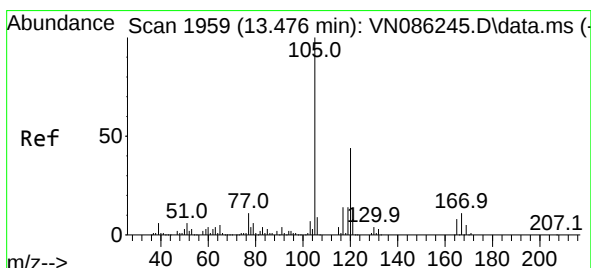
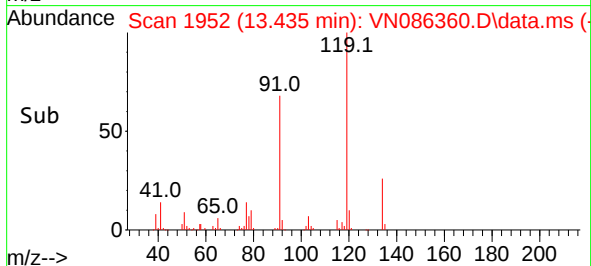
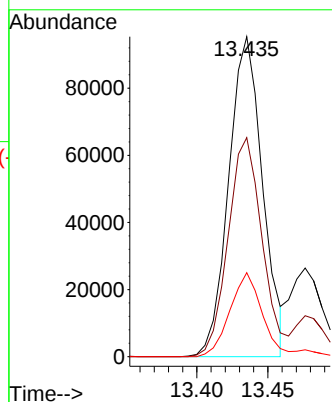
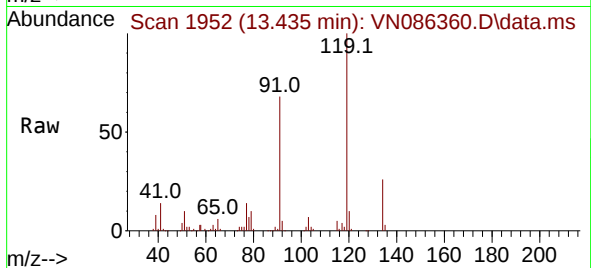
#79
tert-butylbenzene
Concen: 20.248 ug/l
RT: 13.435 min Scan# 1952
Delta R.T. -0.000 min
Lab File: VN086360.D
Acq: 21 Apr 2025 16:10

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tgt Ion:119 Resp: 15815
Ion Ratio Lower Upper
119 100
91 69.2 0.0 136.6
134 24.7 0.0 49.4

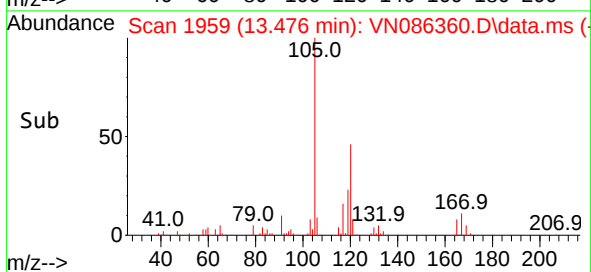
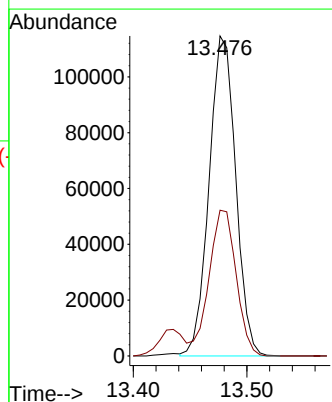
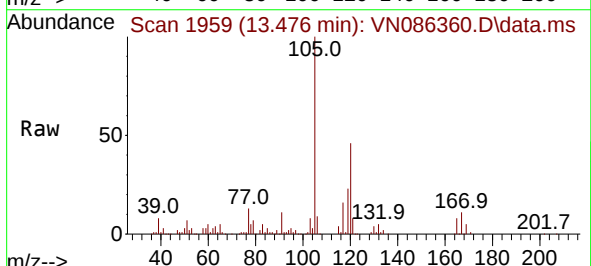
Manual Integrations
APPROVED

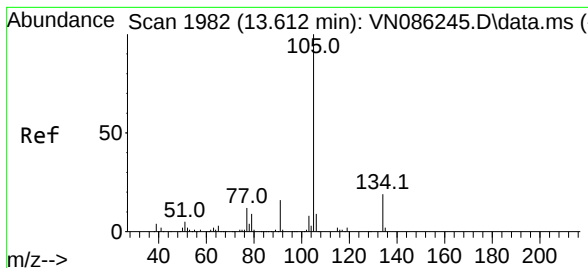
Reviewed By :John Carlone 04/22/2025
Supervised By :Mahesh Dadoda 04/22/2025



#80
1,2,4-Trimethylbenzene
Concen: 20.377 ug/l
RT: 13.476 min Scan# 1959
Delta R.T. -0.000 min
Lab File: VN086360.D
Acq: 21 Apr 2025 16:10

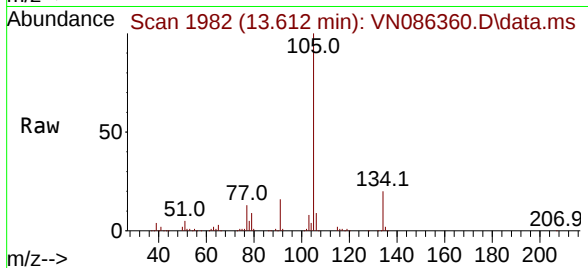
Tgt Ion:105 Resp: 186522
Ion Ratio Lower Upper
105 100
120 46.7 0.0 91.0





#81
 sec-Butylbenzene
 Concen: 21.086 ug/l
 RT: 13.612 min Scan# 1982
 Delta R.T. -0.000 min
 Lab File: VN086360.D
 Acq: 21 Apr 2025 16:10

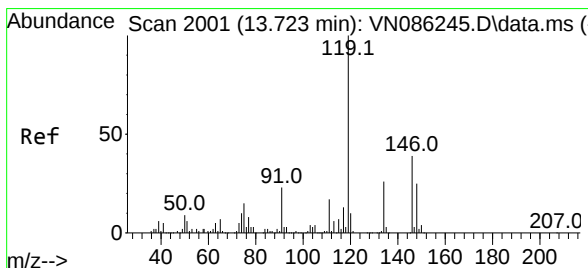
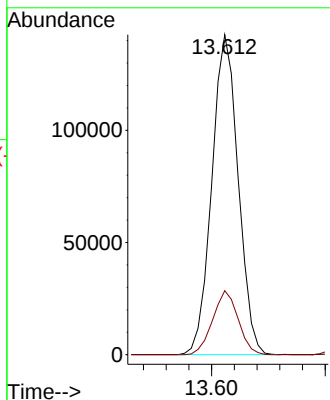
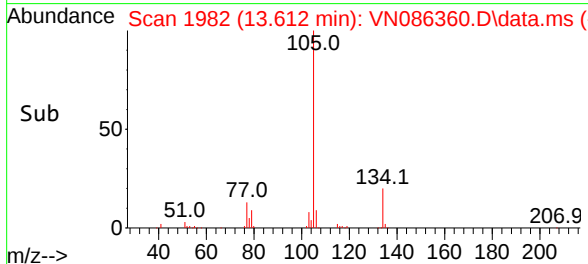
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC



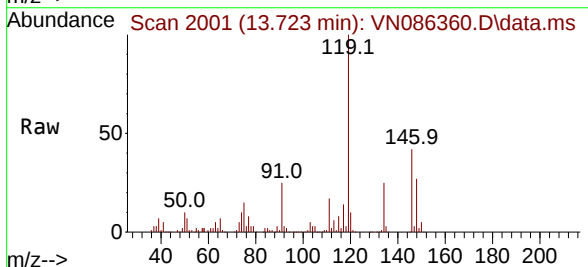
Tgt Ion:105 Resp: 229744
 Ion Ratio Lower Upper
 105 100
 134 19.3 0.0 38.6

Manual Integrations
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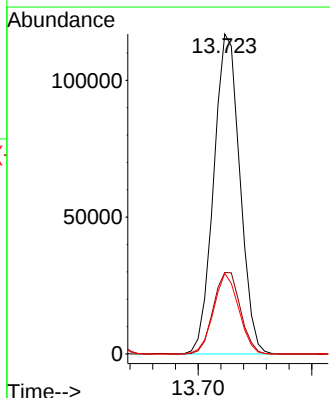
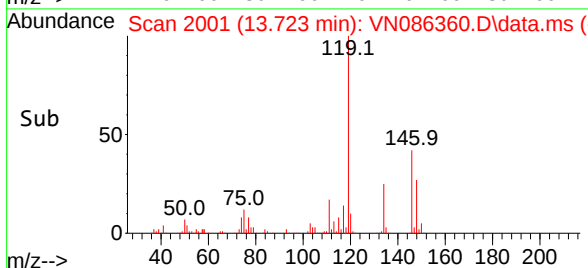
Reviewed By :John Carlone 04/22/2025
 Supervised By :Mahesh Dadoda 04/22/2025

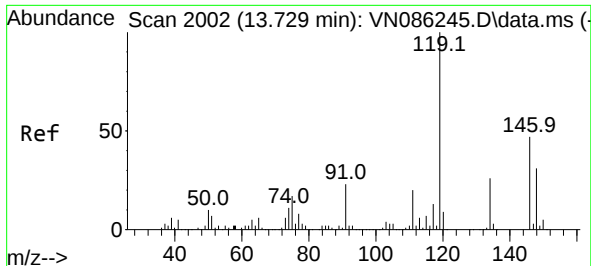


#82
 p-Isopropyltoluene
 Concen: 20.612 ug/l
 RT: 13.723 min Scan# 2001
 Delta R.T. -0.000 min
 Lab File: VN086360.D
 Acq: 21 Apr 2025 16:10



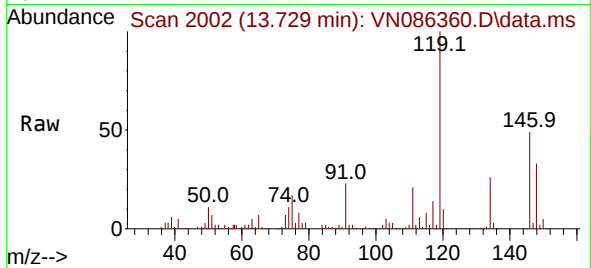
Tgt Ion:119 Resp: 187345
 Ion Ratio Lower Upper
 119 100
 134 26.2 0.0 51.6
 91 24.2 0.0 48.2





#83
1,3-Dichlorobenzene
Concen: 20.704 ug/l
RT: 13.729 min Scan# 2002
Delta R.T. -0.000 min
Lab File: VN086360.D
Acq: 21 Apr 2025 16:10

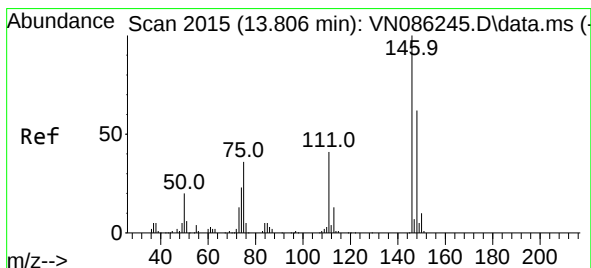
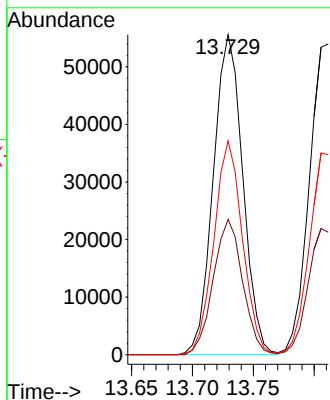
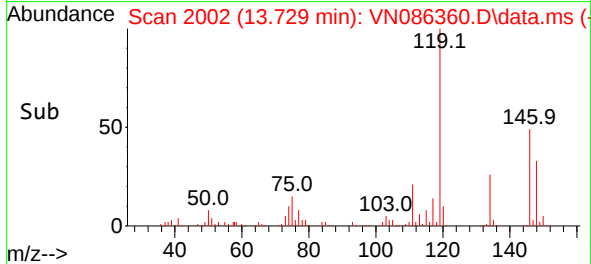
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



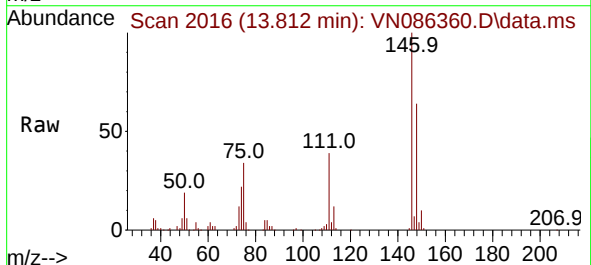
Tgt Ion:146 Resp: 9367
Ion Ratio Lower Upper
146 100
111 42.1 21.7 65.1
148 64.9 32.3 96.8

Manual Integrations
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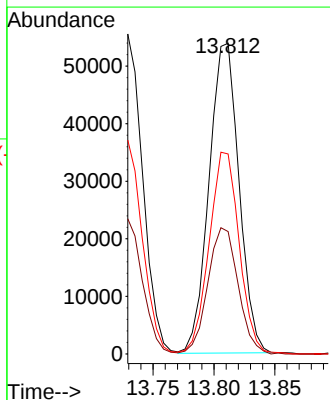
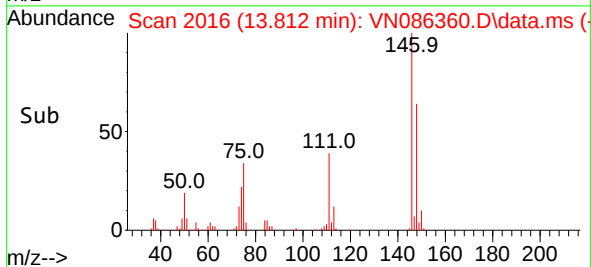
Reviewed By :John Carlone 04/22/2025
Supervised By :Mahesh Dadoda 04/22/2025

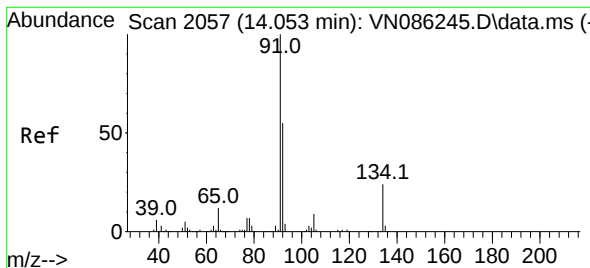


#84
1,4-Dichlorobenzene
Concen: 20.325 ug/l
RT: 13.812 min Scan# 2016
Delta R.T. 0.006 min
Lab File: VN086360.D
Acq: 21 Apr 2025 16:10



Tgt Ion:146 Resp: 92259
Ion Ratio Lower Upper
146 100
111 41.2 20.8 62.4
148 65.5 31.9 95.5





#85

n-Butylbenzene

Concen: 21.038 ug/l

RT: 14.053 min Scan# 2057

Delta R.T. -0.000 min

Lab File: VN086360.D

Acq: 21 Apr 2025 16:10

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

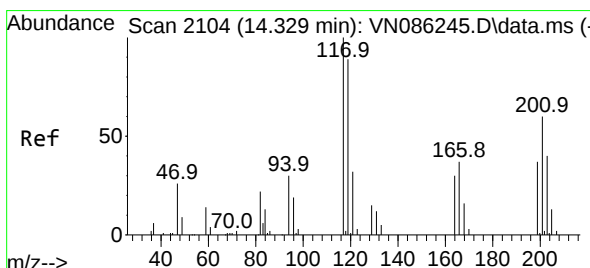
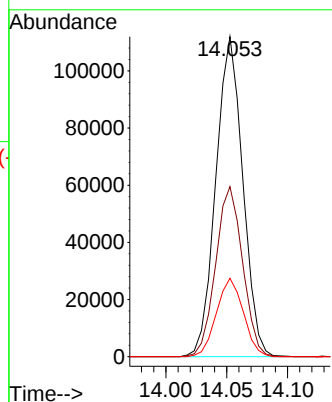
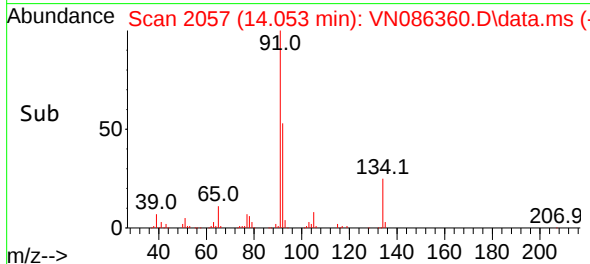
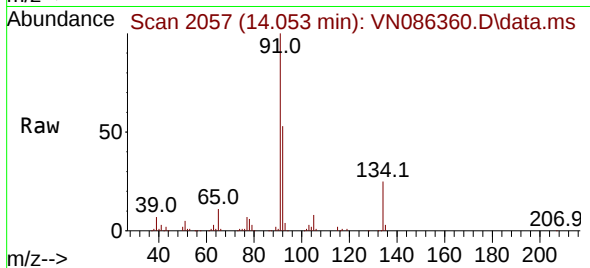
Tgt Ion:	91	Resp:	17250
Ion Ratio	Lower	Upper	
91	100		
92	53.1	0.0	109.4
134	24.4	0.0	48.2

Manual Integrations

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Reviewed By :John Carlone 04/22/2025

Supervised By :Mahesh Dadoda 04/22/2025



#86

Hexachloroethane

Concen: 20.260 ug/l

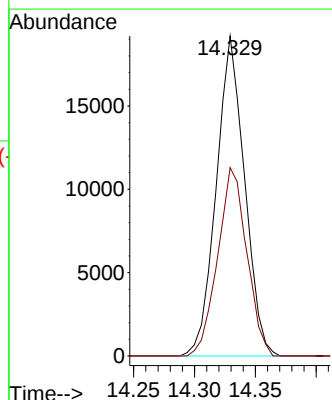
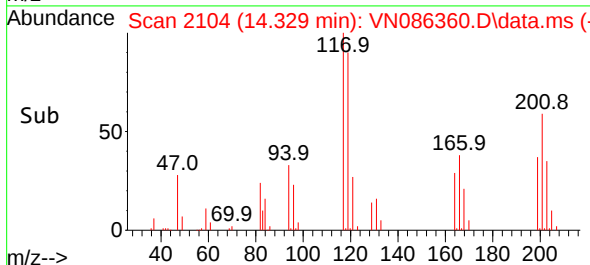
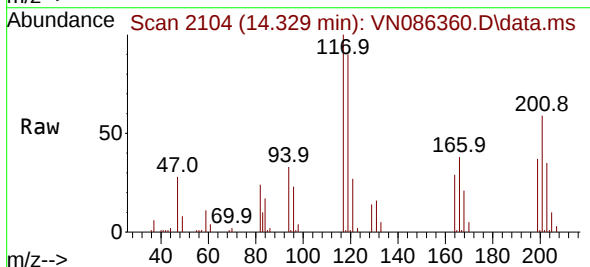
RT: 14.329 min Scan# 2104

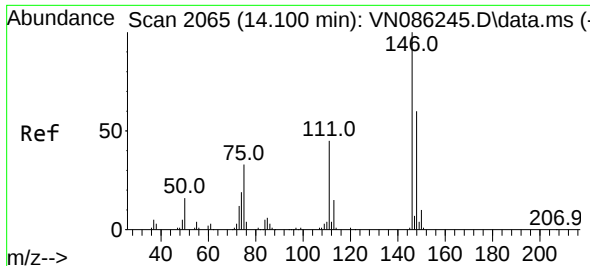
Delta R.T. -0.000 min

Lab File: VN086360.D

Acq: 21 Apr 2025 16:10

Tgt Ion:	117	Resp:	31064
Ion Ratio	Lower	Upper	
117	100		
201	60.5	30.9	92.8





#87

1,2-Dichlorobenzene

Concen: 20.507 ug/l

RT: 14.100 min Scan# 2065

Delta R.T. -0.000 min

Lab File: VN086360.D

Acq: 21 Apr 2025 16:10

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

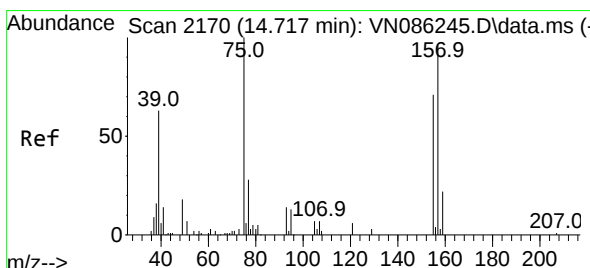
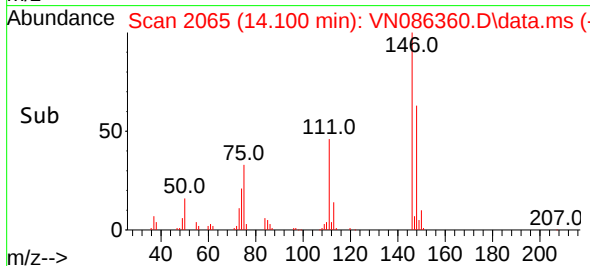
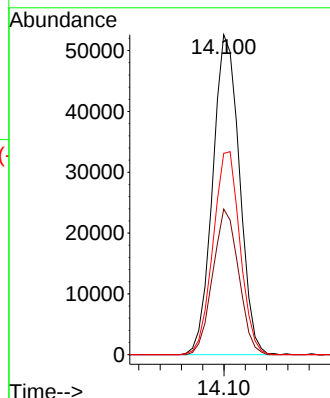
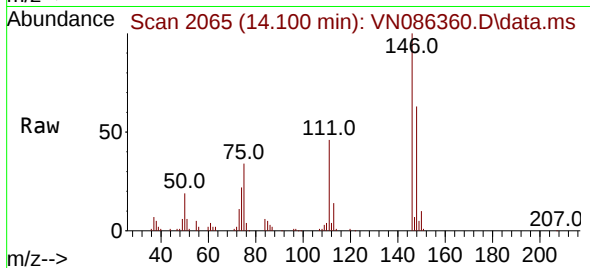
Tgt Ion:	146	Resp:	9161
Ion Ratio	Lower	Upper	
146	100		
111	44.1	22.7	68.0
148	63.9	31.8	95.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 04/22/2025

Supervised By :Mahesh Dadoda 04/22/2025



#88

1,2-Dibromo-3-Chloropropane

Concen: 17.346 ug/l

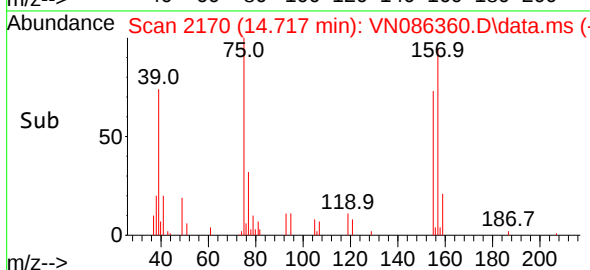
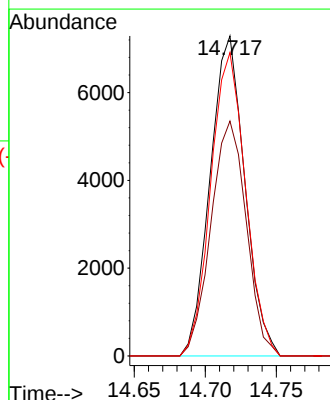
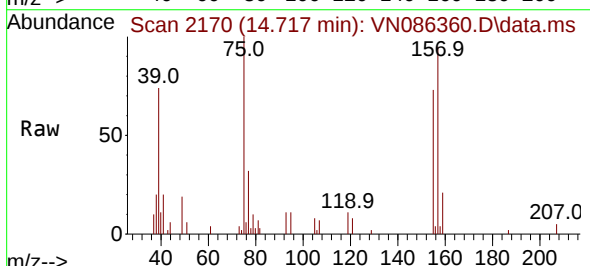
RT: 14.717 min Scan# 2170

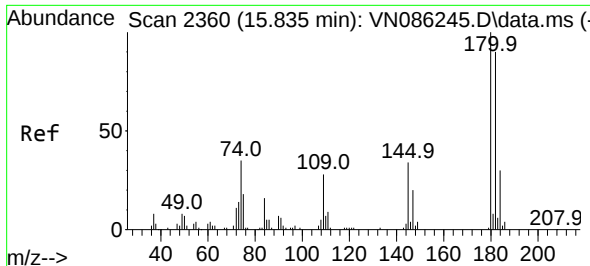
Delta R.T. -0.000 min

Lab File: VN086360.D

Acq: 21 Apr 2025 16:10

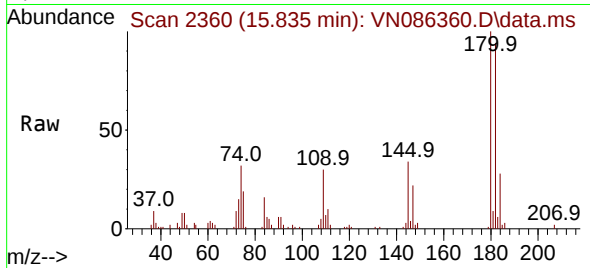
Tgt Ion:	75	Resp:	12358
Ion Ratio	Lower	Upper	
75	100		
155	74.9	60.3	90.5
157	95.0	79.0	118.4





#89
1,2,4-Trichlorobenzene
Concen: 19.938 ug/l
RT: 15.835 min Scan# 210
Delta R.T. -0.000 min
Lab File: VN086360.D
Acq: 21 Apr 2025 16:10

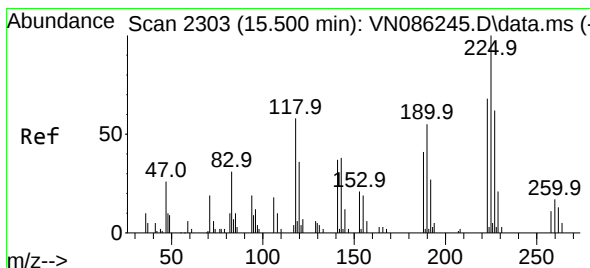
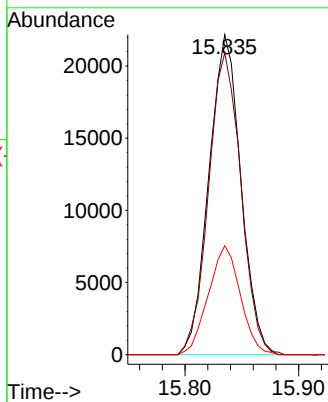
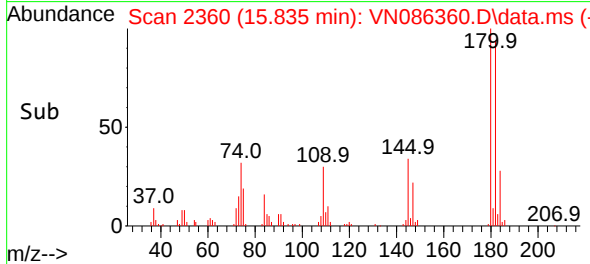
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



Tgt Ion:180 Resp: 43340
Ion Ratio Lower Upper
180 100
182 95.3 75.1 112.7
145 34.1 27.1 40.7

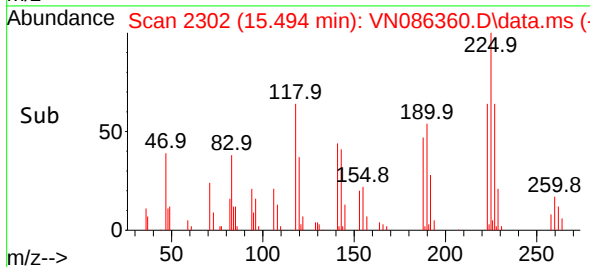
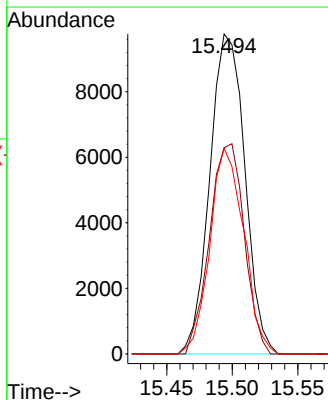
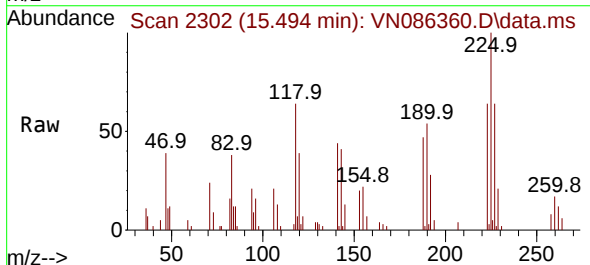
Manual Integrations
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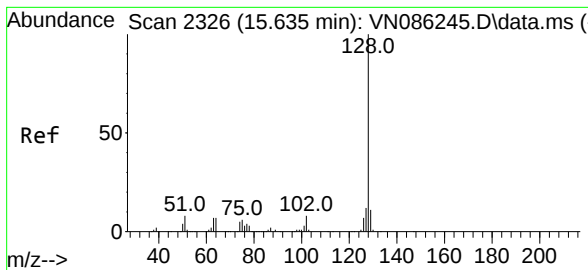
Reviewed By :John Carlone 04/22/2025
Supervised By :Mahesh Dadoda 04/22/2025



#90
Hexachlorobutadiene
Concen: 19.335 ug/l
RT: 15.494 min Scan# 2302
Delta R.T. -0.006 min
Lab File: VN086360.D
Acq: 21 Apr 2025 16:10

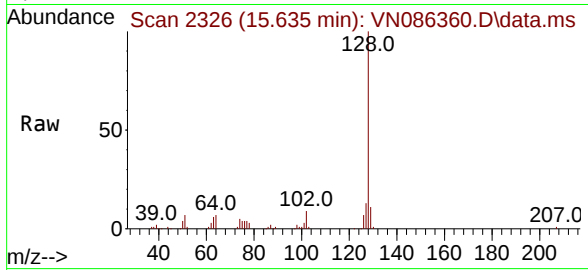
Tgt Ion:225 Resp: 18147
Ion Ratio Lower Upper
225 100
223 65.0 0.0 130.0
227 62.2 0.0 123.2





#91
Naphthalene
Concen: 17.675 ug/l
RT: 15.635 min Scan# 2326
Delta R.T. -0.000 min
Lab File: VN086360.D
Acq: 21 Apr 2025 16:10

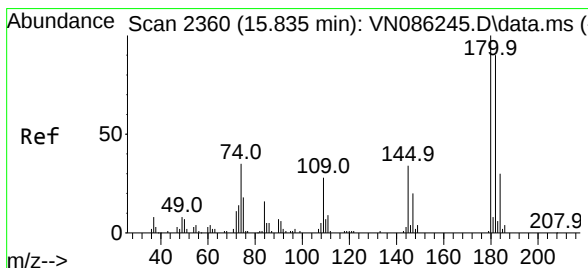
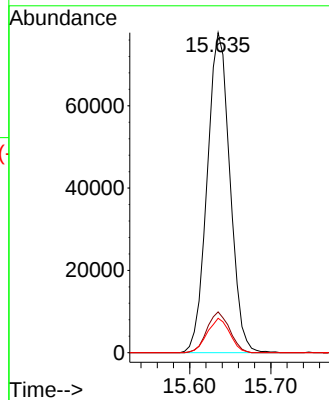
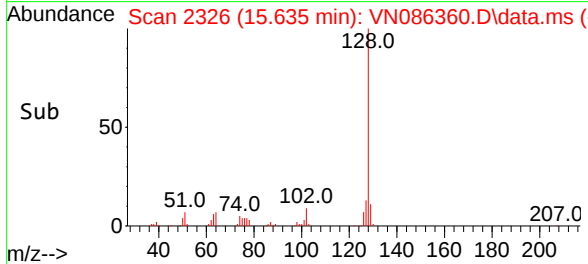
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



Tgt Ion:128 Resp: 151480
Ion Ratio Lower Upper
128 100
127 12.7 10.2 15.2
129 10.7 8.8 13.2

Manual Integrations
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Reviewed By :John Carlone 04/22/2025
Supervised By :Mahesh Dadoda 04/22/2025



#92
1,2,3-Trichlorobenzene
Concen: 19.938 ug/l
RT: 15.835 min Scan# 2360
Delta R.T. -0.000 min
Lab File: VN086360.D
Acq: 21 Apr 2025 16:10

Tgt Ion:180 Resp: 43340
Ion Ratio Lower Upper
180 100
182 95.3 0.0 187.8
145 34.1 0.0 67.8

