

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN042325\
 Data File : VN086375.D
 Acq On : 23 Apr 2025 10:33
 Operator : JC\MD
 Sample : VSTDIC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC050

Manual Integrations
 APPROVED

Reviewed By : John Carlone 04/24/2025
 Supervised By : Mahesh Dadoda 04/25/2025

Quant Time: Apr 24 04:22:47 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N042325W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Apr 24 03:57:58 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	7.818	128	13512	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.100	114	80323	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.865	117	72026	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.577	65	39618	30.412	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 101.367%			
60) 4-Bromofluorobenzene	12.847	95	41345	29.206	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 97.367%			
63) Toluene-d8	10.565	98	119084	30.053	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 100.167%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.124	85	50246	53.863	ug/l	98
3) Chloromethane	2.359	50	70736	53.382	ug/l	96
4) Vinyl Chloride	2.518	62	69134	54.473	ug/l	100
5) Bromomethane	2.965	94	36731	55.434	ug/l	93
6) Chloroethane	3.124	64	45596	53.890	ug/l	96
7) Trichlorofluoromethane	3.500	101	78026	52.085	ug/l	96
8) Diethyl Ether	3.959	74	33970	53.720	ug/l	98
9) 1,1,2-Trichlorotrifluo...	4.377	101	48609	52.780	ug/l	98
10) 1,1-Dichloroethene	4.348	96	49060	52.045	ug/l	95
11) Methyl Iodide	4.589	142	61123	55.418	ug/l	96
12) Methyl Acetate	5.024	43	73602	55.088	ug/l	99
13) Acrolein	4.183	56	27836	553.763	ug/l	98
14) Acrylonitrile	5.718	53	140606	282.758	ug/l	99
15) Acetone	4.424	58	34860	254.408	ug/l	98
16) Carbon Disulfide	4.712	76	136732	55.047	ug/l	100
17) Allyl chloride	5.024	41	80613	53.483	ug/l	96
18) Methylene Chloride	5.283	84	58171	54.189	ug/l	94
19) trans-1,2-Dichloroethene	5.783	96	53123	52.873	ug/l	97
20) Diisopropyl ether	6.671	45	189826	52.968	ug/l	97
21) 1,1-Dichloroethane	6.565	63	103807	52.916	ug/l	98
22) cis-1,2-Dichloroethene	7.488	96	68217	54.299	ug/l	97
23) tert-Butyl Alcohol	5.506	59	57224m	297.063	ug/l	
24) Methyl tert-Butyl Ether	5.794	73	183310	52.634	ug/l	99
25) Chloroform	7.965	83	105890	53.335	ug/l	98
26) Cyclohexane	8.253	56	94117	54.337	ug/l #	99
29) 1,1-Dichloropropene	8.365	75	74121	52.344	ug/l	98
30) 2-Butanone	7.477	43	189738	276.063	ug/l	99
31) 2,2-Dichloropropane	7.488	77	94371	51.844	ug/l	100
32) 1,1,1-Trichloroethane	8.165	97	90132	53.266	ug/l	98
33) Carbon Tetrachloride	8.359	117	73363	52.666	ug/l	98
34) Benzene	8.600	78	240457	53.389	ug/l	97
35) Methacrylonitrile	7.777	41	43266	55.185	ug/l	99
36) 1,2-Dichloroethane	8.665	62	78707	53.826	ug/l	100
37) Trichloroethene	9.353	130	58391	51.788	ug/l	90
38) Methylcyclohexane	9.594	83	91136	55.726	ug/l	100
39) 1,2-Dichloropropane	9.618	63	59252	53.253	ug/l	99
40) Dibromomethane	9.706	93	40177	53.995	ug/l	97
41) Bromodichloromethane	9.882	83	85632	54.383	ug/l	97
42) Vinyl Acetate	6.600	43	672068	282.278	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	7.553	43	73764	54.233	ug/l	100
44) Isopropyl Acetate	8.682	43	139020	53.853	ug/l	100
45) 1,4-Dioxane	9.694	88	23621	1172.775	ug/l	93
46) Methyl methacrylate	9.677	41	64064	53.801	ug/l	96
47) n-amyl Acetate	12.488	43	116230	52.826	ug/l	99
48) t-1,3-Dichloropropene	10.835	75	93487	53.106	ug/l	98
49) cis-1,3-Dichloropropene	10.312	75	100486	54.128	ug/l	97
50) 1,1,2-Trichloroethane	11.012	97	55567	53.465	ug/l	98
51) Ethyl methacrylate	10.871	69	97327	53.769	ug/l	98
52) 1,3-Dichloropropane	11.159	76	99270	54.043	ug/l	99
53) Dibromochloromethane	11.353	129	62149	53.254	ug/l	99
54) 1,2-Dibromoethane	11.465	107	57423	54.340	ug/l	99
55) 2-Chloroethyl vinyl ether	10.153	63	291740	342.811	ug/l	99
56) Bromoform	12.576	173	40183	53.059	ug/l	100
58) 4-Methyl-2-Pentanone	10.441	43	398801	286.124	ug/l	100
59) 2-Hexanone	11.194	43	293296	285.548	ug/l	99
61) Tetrachloroethene	11.100	164	59866	54.496	ug/l	97
62) Toluene	10.629	91	258243	53.565	ug/l	98
64) Chlorobenzene	11.888	112	161540	53.774	ug/l	100
65) 1,1,1,2-Tetrachloroethane	11.959	131	54925	54.682	ug/l	99
66) Ethyl Benzene	11.959	91	294809	54.326	ug/l	100
67) m/p-Xylenes	12.065	106	224231	108.901	ug/l	99
68) o-Xylene	12.394	106	110001	54.562	ug/l	98
69) Styrene	12.406	104	182394	53.376	ug/l	99
70) Isopropylbenzene	12.688	105	281964	56.027	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.935	83	76604	57.809	ug/l	100
72) 1,2,3-Trichloropropane	12.988	75	63282m	55.112	ug/l	
73) Bromobenzene	12.976	156	61945	53.539	ug/l	98
74) n-propylbenzene	13.029	91	334105	55.868	ug/l	100
75) 2-Chlorotoluene	13.123	91	206495	55.313	ug/l	99
76) 1,3,5-Trimethylbenzene	13.170	105	233299	56.498	ug/l	100
77) t-1,4-Dichloro-2-butene	12.735	75	32072	54.702	ug/l	95
78) 4-Chlorotoluene	13.217	91	203884	54.621	ug/l	100
79) tert-butylbenzene	13.435	119	201611	57.009	ug/l	99
80) 1,2,4-Trimethylbenzene	13.476	105	233526	55.375	ug/l	98
81) sec-Butylbenzene	13.612	105	280834	55.631	ug/l	99
82) p-Isopropyltoluene	13.723	119	232995	55.157	ug/l	99
83) 1,3-Dichlorobenzene	13.729	146	117870	53.893	ug/l	99
84) 1,4-Dichlorobenzene	13.806	146	116761	54.033	ug/l	100
85) n-Butylbenzene	14.053	91	199163	52.839	ug/l	98
86) Hexachloroethane	14.329	117	37387	54.128	ug/l	100
87) 1,2-Dichlorobenzene	14.100	146	115779	55.635	ug/l	99
88) 1,2-Dibromo-3-Chloropr...	14.717	75	15399	57.172	ug/l	97
89) 1,2,4-Trichlorobenzene	15.835	180	52068	54.896	ug/l	98
90) Hexachlorobutadiene	15.494	225	21013	55.000	ug/l	98
91) Naphthalene	15.635	128	188462	55.500	ug/l	99
92) 1,2,3-Trichlorobenzene	15.835	180	52068	54.896	ug/l	98

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

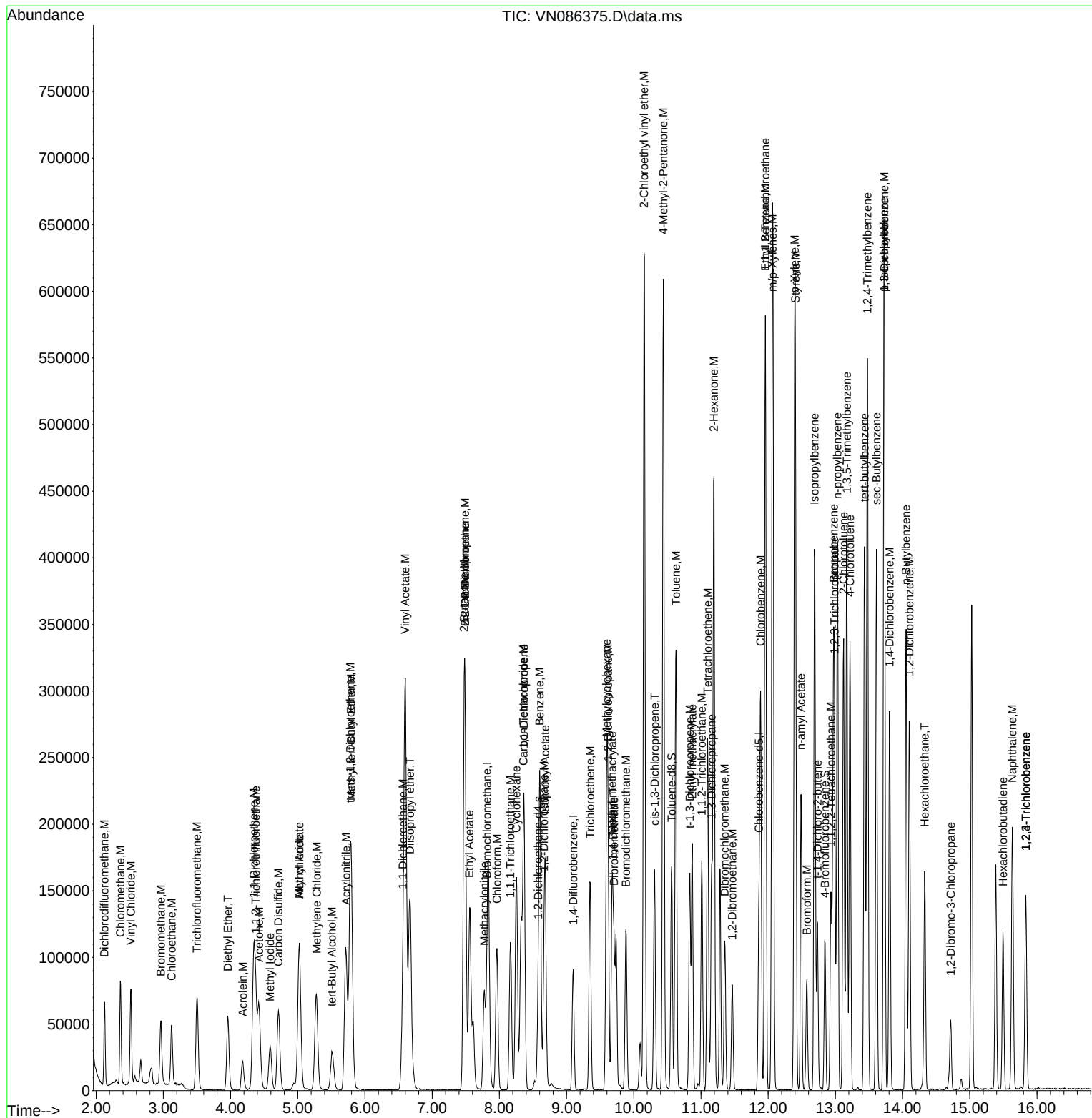
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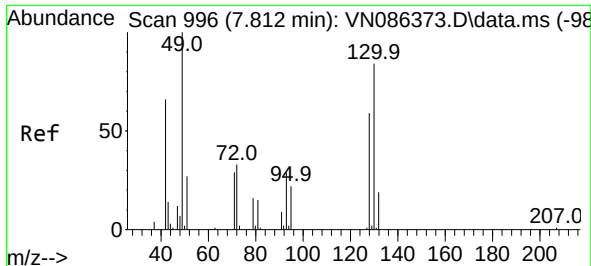
Instrument :
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ClientSampleId :
VSTDIC050

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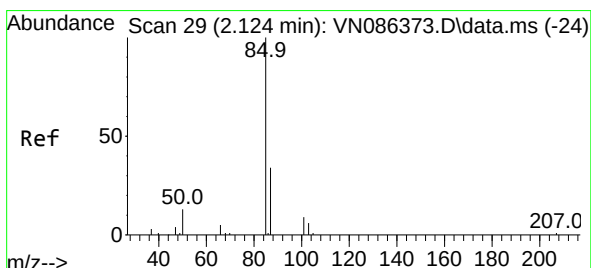
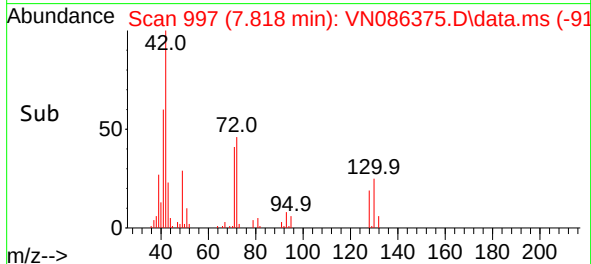
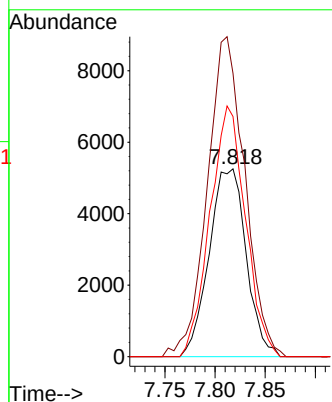
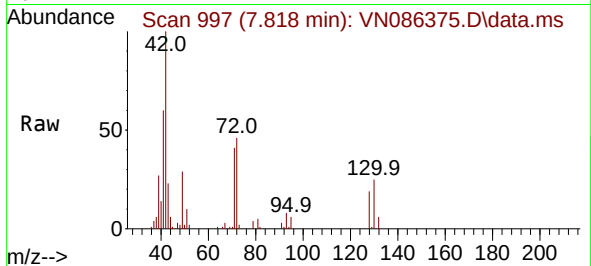
#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.818 min Scan# 996
Delta R.T. 0.006 min
Lab File: VN086375.D
Acq: 23 Apr 2025 10:33

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC050

Tgt Ion:128 Resp: 1351
Ion Ratio Lower Upper
128 100
49 172.5 0.0 433.8
130 128.1 0.0 325.0

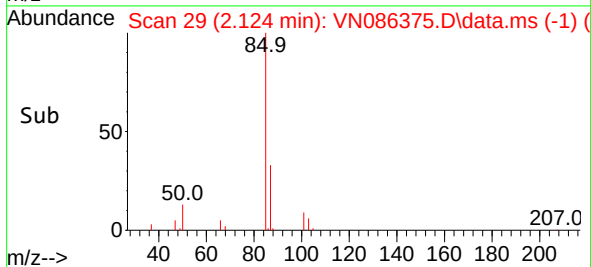
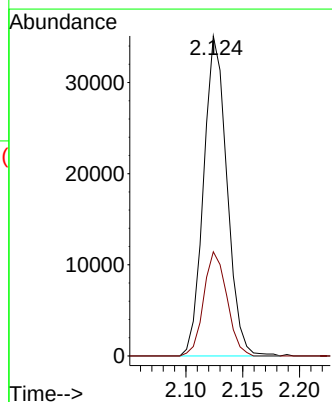
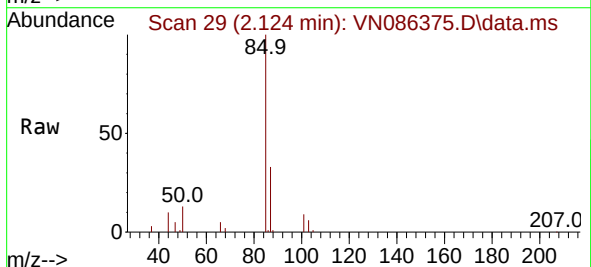
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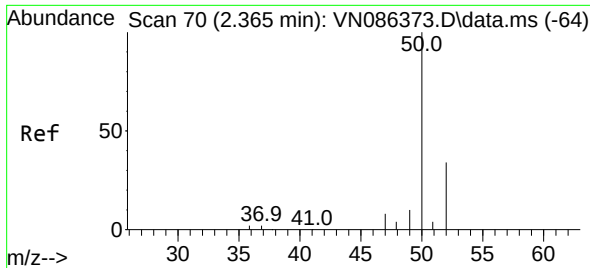
Reviewed By :John Carlone 04/24/2025
Supervised By :Mahesh Dadoda 04/25/2025



#2
Dichlorodifluoromethane
Concen: 53.863 ug/l
RT: 2.124 min Scan# 29
Delta R.T. 0.000 min
Lab File: VN086375.D
Acq: 23 Apr 2025 10:33

Tgt Ion: 85 Resp: 50246
Ion Ratio Lower Upper
85 100
87 32.6 17.0 50.9





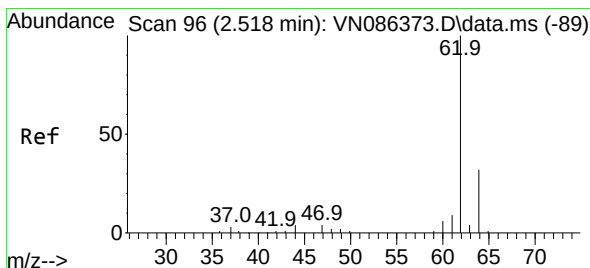
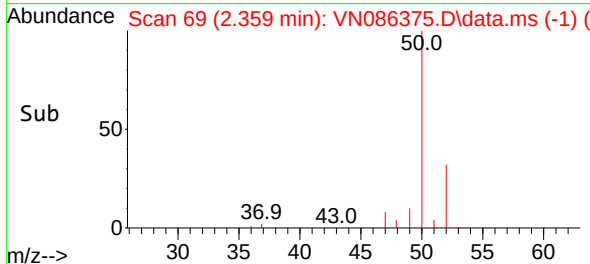
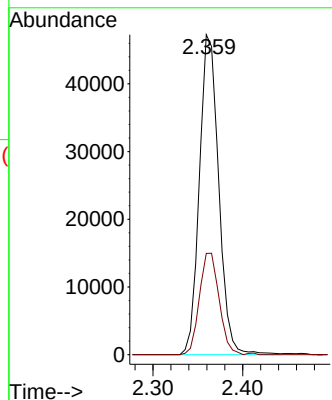
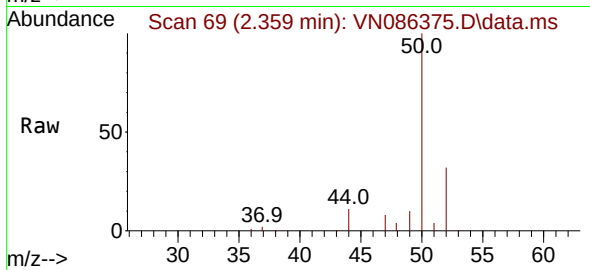
#3
Chloromethane
Concen: 53.382 ug/l
RT: 2.359 min Scan# 69
Delta R.T. -0.006 min
Lab File: VN086375.D
Acq: 23 Apr 2025 10:33

Instrument :
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ClientSampleId :
VSTDIC050

Tgt Ion: 50 Resp: 70730
Ion Ratio Lower Upper
50 100
52 31.7 27.3 40.9

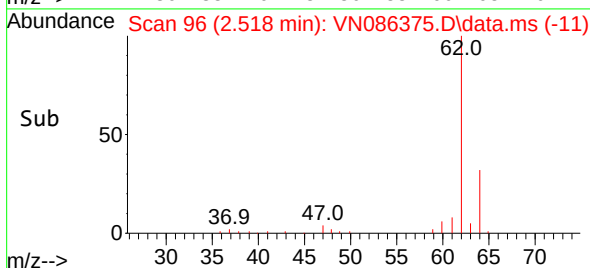
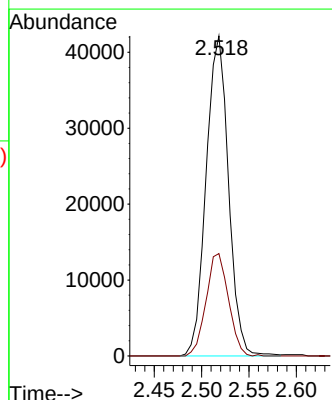
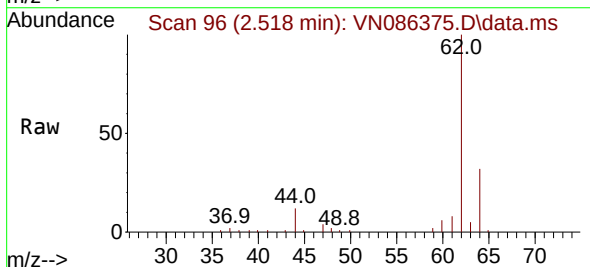
Manual Integrations
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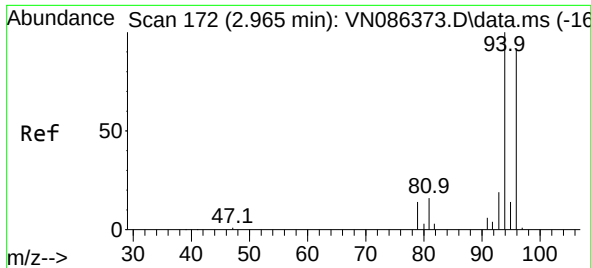
Reviewed By :John Carlone 04/24/2025
Supervised By :Mahesh Dadoda 04/25/2025



#4
Vinyl Chloride
Concen: 54.473 ug/l
RT: 2.518 min Scan# 96
Delta R.T. 0.000 min
Lab File: VN086375.D
Acq: 23 Apr 2025 10:33

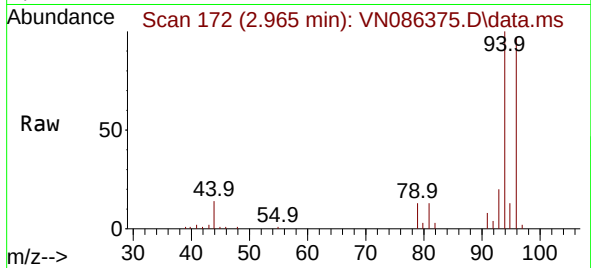
Tgt Ion: 62 Resp: 69134
Ion Ratio Lower Upper
62 100
64 32.0 25.8 38.8





#5
Bromomethane
Concen: 55.434 ug/l
RT: 2.965 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN086375.D
Acq: 23 Apr 2025 10:33

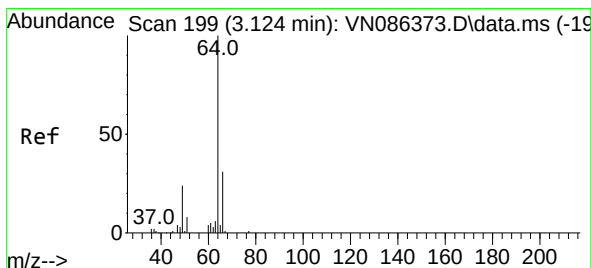
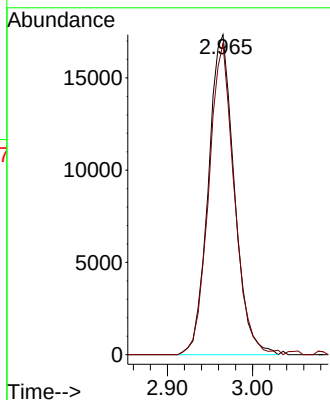
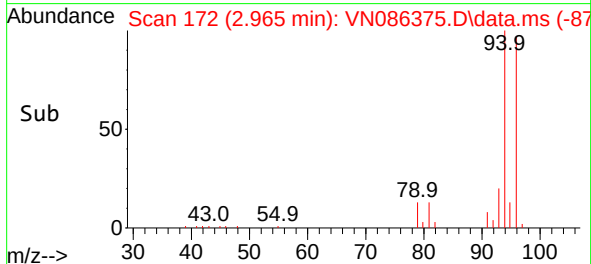
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050



Tgt Ion: 94 Resp: 3673
Ion Ratio Lower Upper
94 100
96 97.2 72.4 108.6

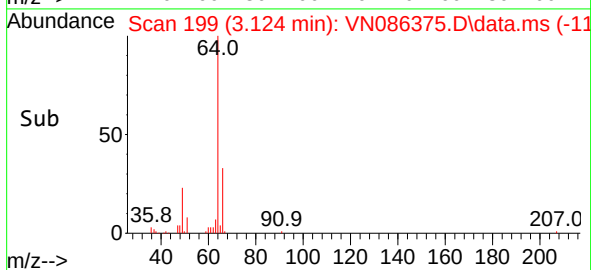
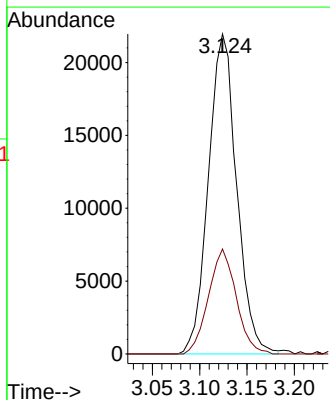
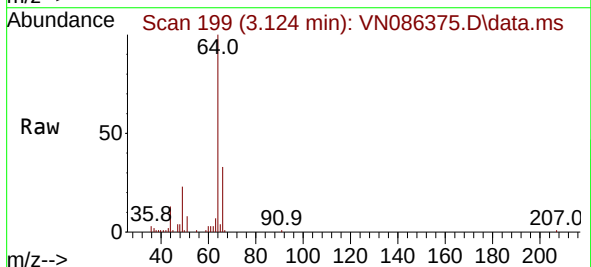
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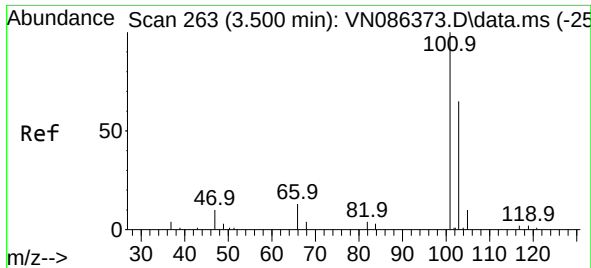
Reviewed By :John Carlone 04/24/2025
Supervised By :Mahesh Dadoda 04/25/2025



#6
Chloroethane
Concen: 53.890 ug/l
RT: 3.124 min Scan# 199
Delta R.T. 0.000 min
Lab File: VN086375.D
Acq: 23 Apr 2025 10:33

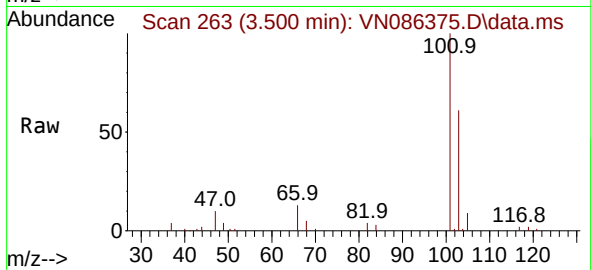
Tgt Ion: 64 Resp: 45596
Ion Ratio Lower Upper
64 100
66 32.8 24.5 36.7





#7
 Trichlorofluoromethane
 Concen: 52.085 ug/l
 RT: 3.500 min Scan# 263
 Delta R.T. 0.000 min
 Lab File: VN086375.D
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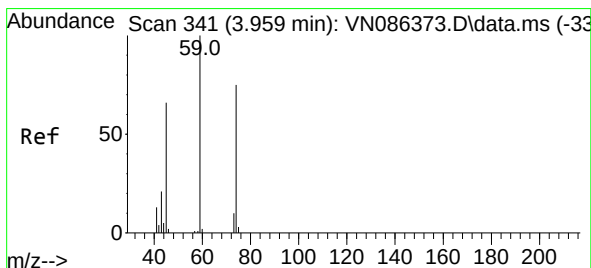
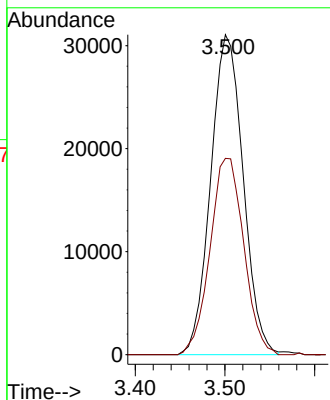
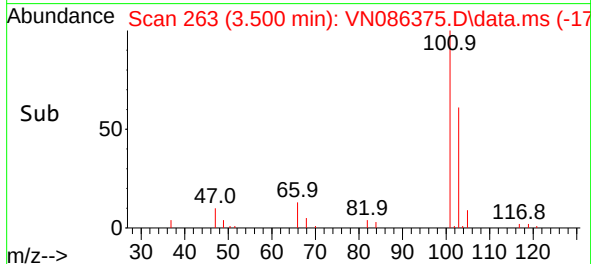
Instrument :
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Tgt Ion:101 Resp: 78020
 Ion Ratio Lower Upper
 101 100
 103 61.4 51.8 77.6

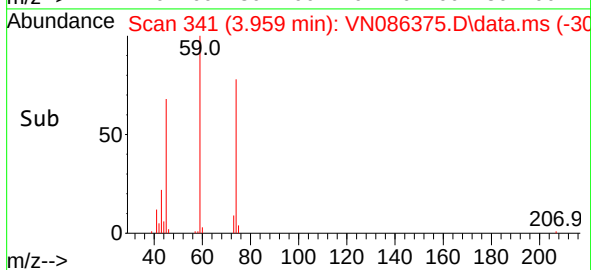
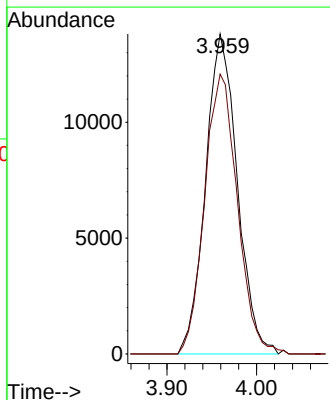
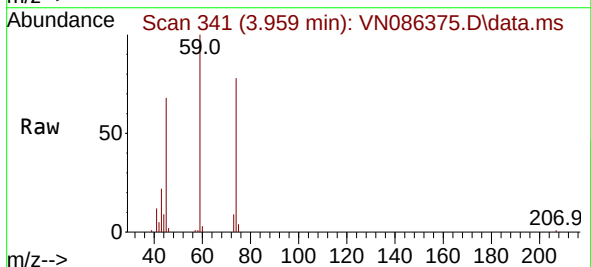
Manual Integrations
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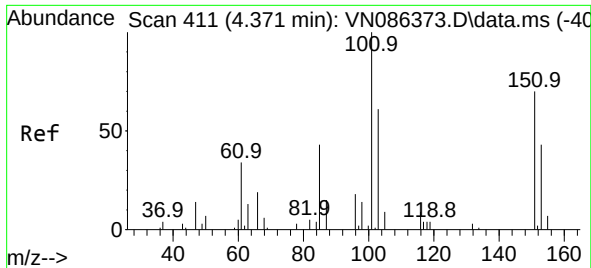
Reviewed By :John Carlone 04/24/2025
 Supervised By :Mahesh Dadoda 04/25/2025



#8
 Diethyl Ether
 Concen: 53.720 ug/l
 RT: 3.959 min Scan# 341
 Delta R.T. 0.000 min
 Lab File: VN086375.D
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Tgt Ion: 74 Resp: 33970
 Ion Ratio Lower Upper
 74 100
 45 90.1 18.5 166.3





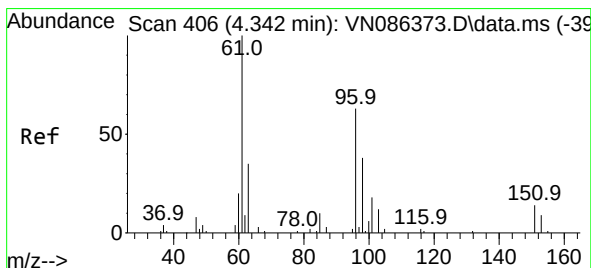
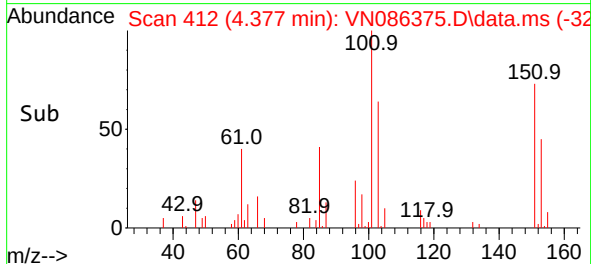
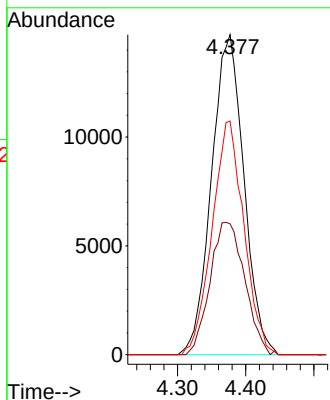
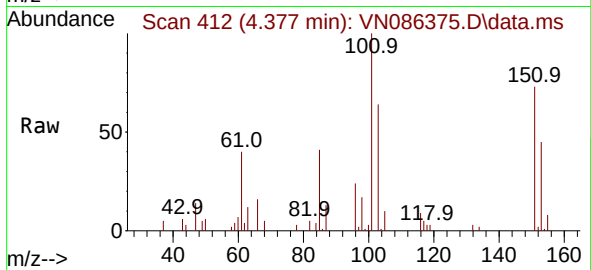
#9
1,1,2-Trichlorotrifluoroethane
Concen: 52.780 ug/l
RT: 4.377 min Scan# 411
Delta R.T. 0.006 min
Lab File: VN086375.D
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Tgt Ion:101 Resp: 48609
Ion Ratio Lower Upper
101 100
85 44.1 0.0 84.4
151 71.6 0.0 145.8

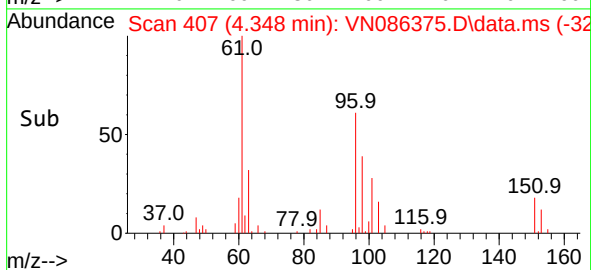
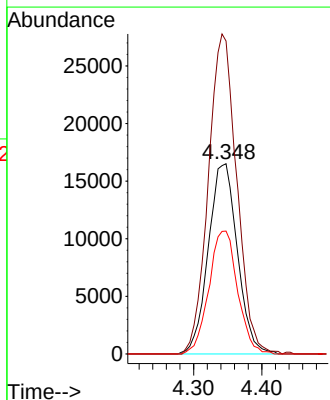
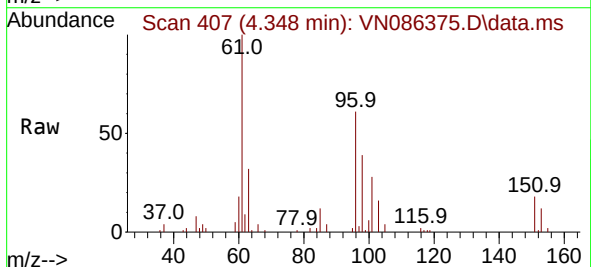
Manual Integrations
APPROVED

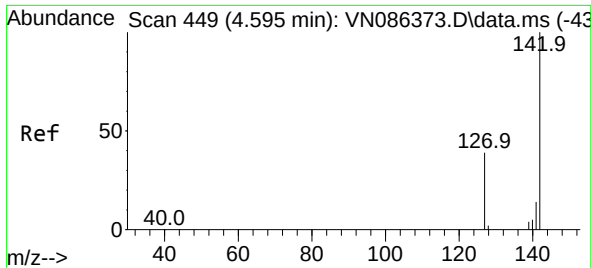
Reviewed By :John Carlone 04/24/2025
Supervised By :Mahesh Dadoda 04/25/2025



#10
1,1-Dichloroethene
Concen: 52.045 ug/l
RT: 4.348 min Scan# 407
Delta R.T. 0.006 min
Lab File: VN086375.D
Acq: 23 Apr 2025 10:33

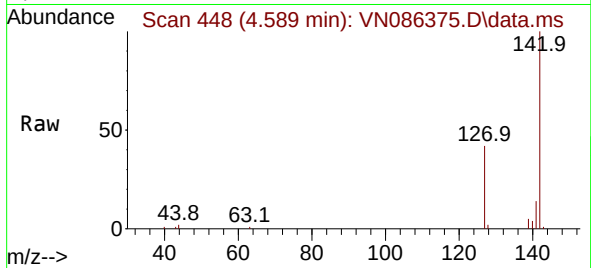
Tgt Ion: 96 Resp: 49060
Ion Ratio Lower Upper
96 100
61 164.5 126.2 189.4
98 64.6 48.5 72.7





#11
Methyl Iodide
Concen: 55.418 ug/l
RT: 4.589 min Scan# 449
Delta R.T. -0.006 min
Lab File: VN086375.D
Acq: 23 Apr 2025 10:33

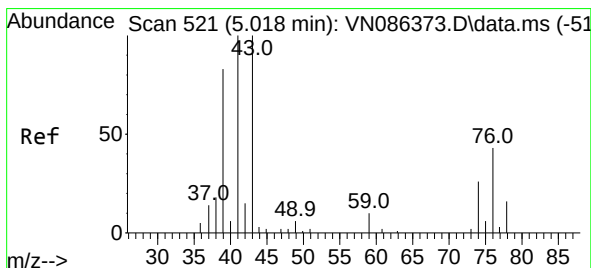
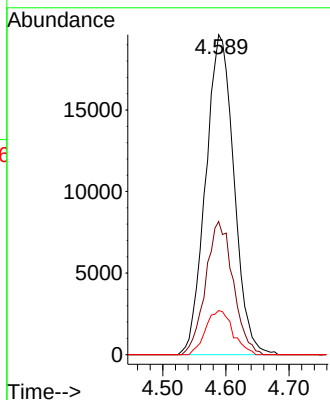
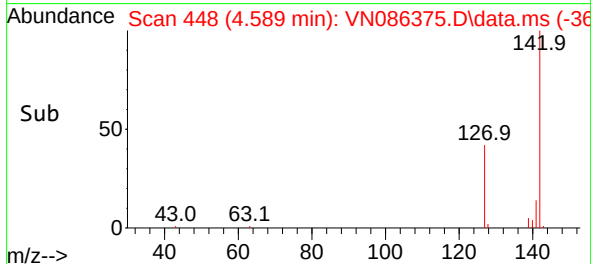
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050



Tgt Ion:142 Resp: 6112
Ion Ratio Lower Upper
142 100
127 41.6 19.3 57.9
141 13.8 7.1 21.3

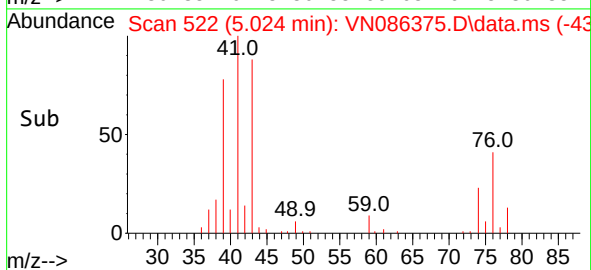
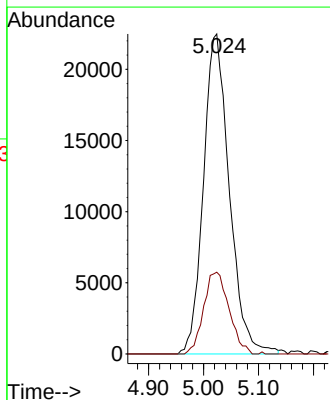
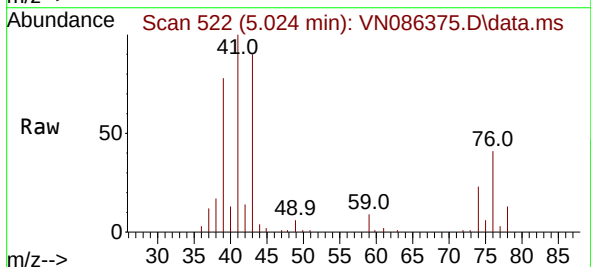
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APPROVED

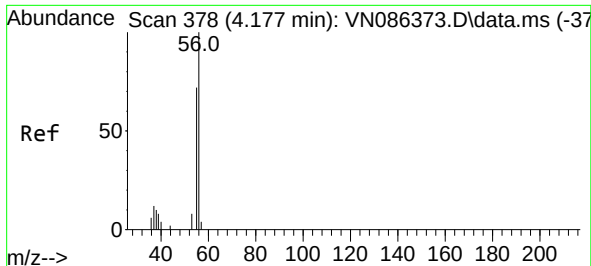
Reviewed By :John Carlone 04/24/2025
Supervised By :Mahesh Dadoda 04/25/2025



#12
Methyl Acetate
Concen: 55.088 ug/l
RT: 5.024 min Scan# 522
Delta R.T. 0.006 min
Lab File: VN086375.D
Acq: 23 Apr 2025 10:33

Tgt Ion: 43 Resp: 73602
Ion Ratio Lower Upper
43 100
74 25.7 20.8 31.2





#13

Acrolein

Concen: 553.763 ug/l

RT: 4.183 min Scan# 31

Delta R.T. 0.006 min

Lab File: VN086375.D

Acq: 23 Apr 2025 10:33

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC050

Tgt Ion: 56 Resp: 27830

Ion Ratio Lower Upper

56 100

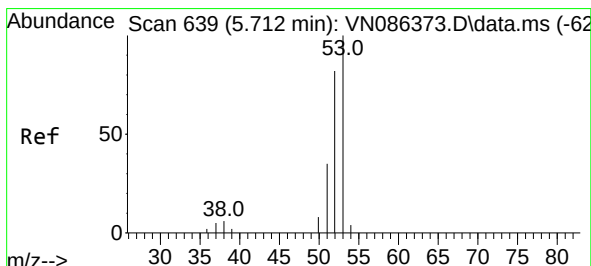
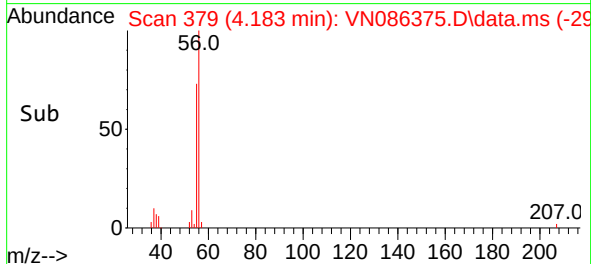
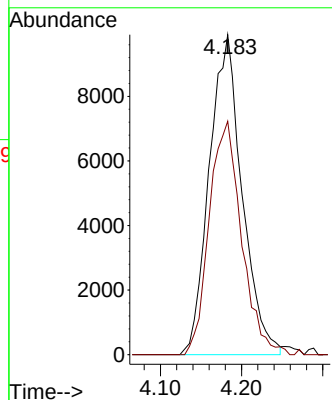
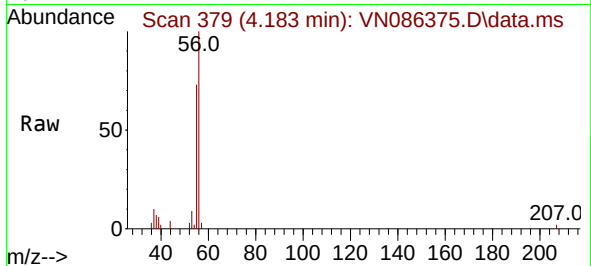
55 71.8 56.1 84.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 04/24/2025

Supervised By :Mahesh Dadoda 04/25/2025



#14

Acrylonitrile

Concen: 282.758 ug/l

RT: 5.718 min Scan# 640

Delta R.T. 0.006 min

Lab File: VN086375.D

Acq: 23 Apr 2025 10:33

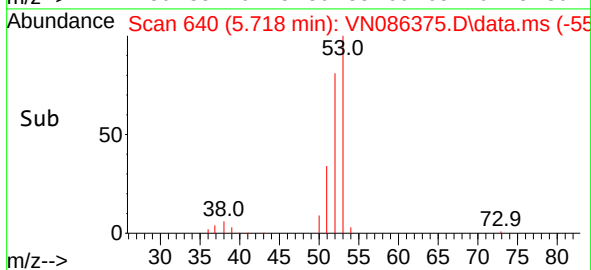
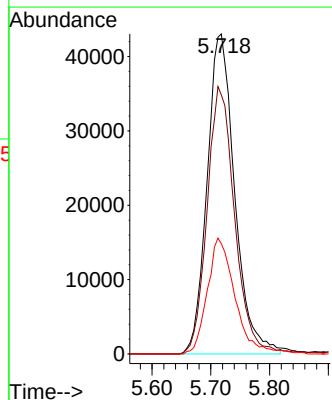
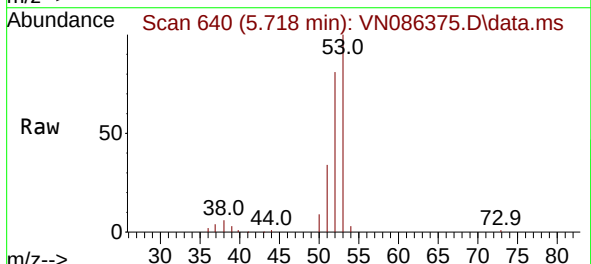
Tgt Ion: 53 Resp: 140606

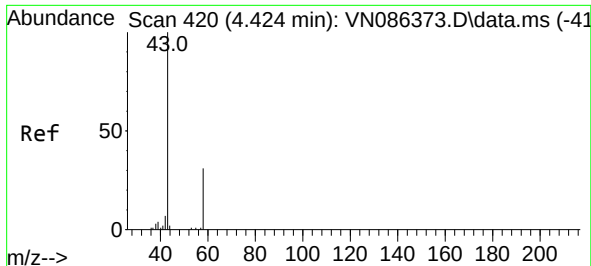
Ion Ratio Lower Upper

53 100

52 83.2 41.2 123.6

51 36.3 17.6 52.8





#15

Acetone

Concen: 254.408 ug/l

RT: 4.424 min Scan# 41

Delta R.T. 0.000 min

Lab File: VN086375.D

Acq: 23 Apr 2025 10:33

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC050

Tgt Ion: 58 Resp: 34860

Ion Ratio Lower Upper

58 100

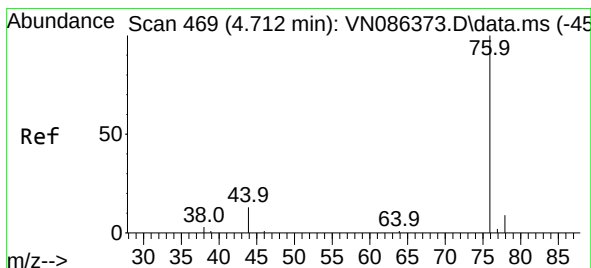
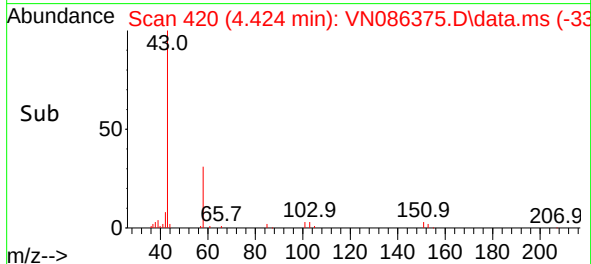
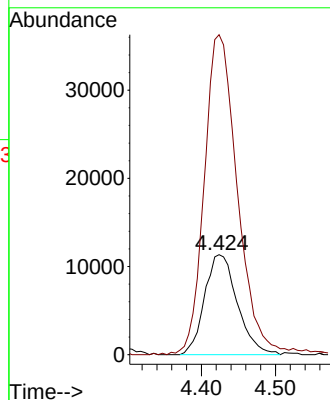
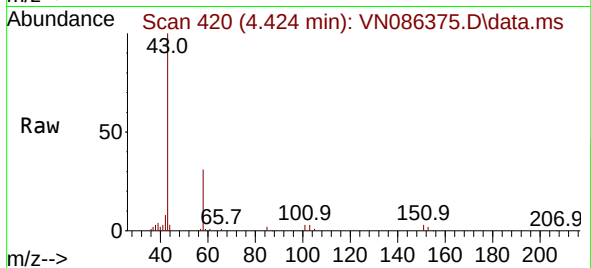
43 315.7 255.1 382.7

Manual Integrations

APPROVED

Reviewed By :John Carlone 04/24/2025

Supervised By :Mahesh Dadoda 04/25/2025



#16

Carbon Disulfide

Concen: 55.047 ug/l

RT: 4.712 min Scan# 469

Delta R.T. 0.000 min

Lab File: VN086375.D

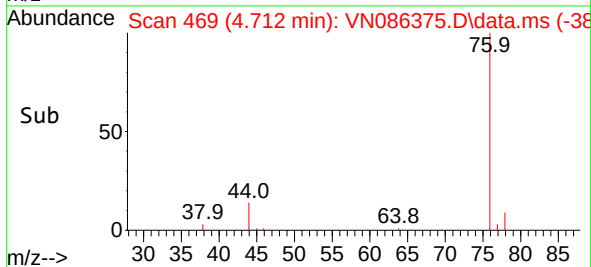
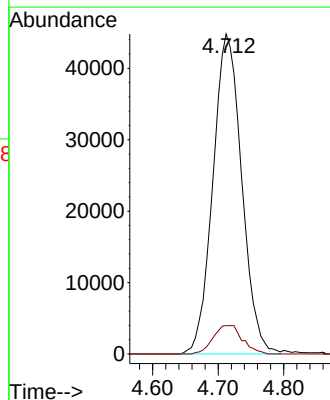
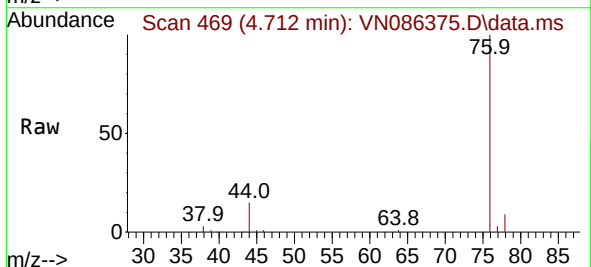
Acq: 23 Apr 2025 10:33

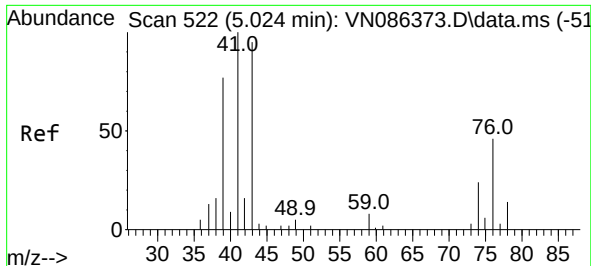
Tgt Ion: 76 Resp: 136732

Ion Ratio Lower Upper

76 100

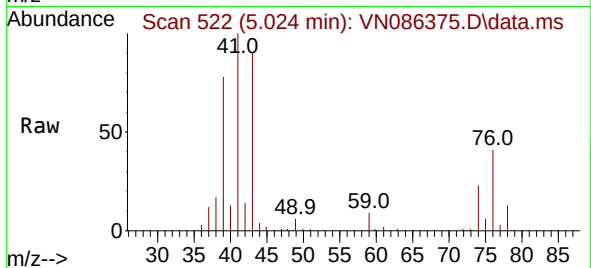
78 8.9 7.1 10.7





#17
 Allyl chloride
 Concen: 53.483 ug/l
 RT: 5.024 min Scan# 51
 Delta R.T. 0.000 min
 Lab File: VN086375.D
 Acq: 23 Apr 2025 10:33

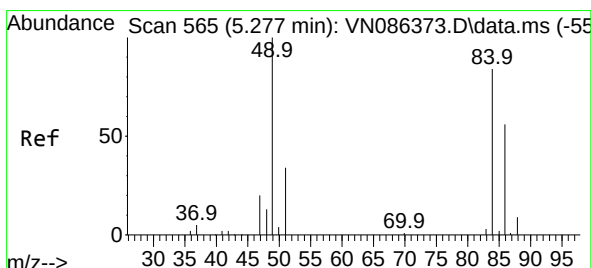
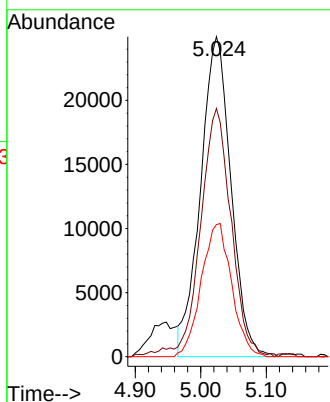
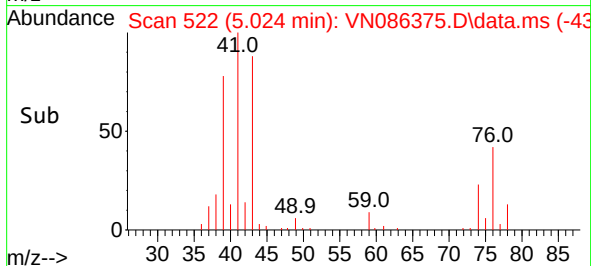
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC050



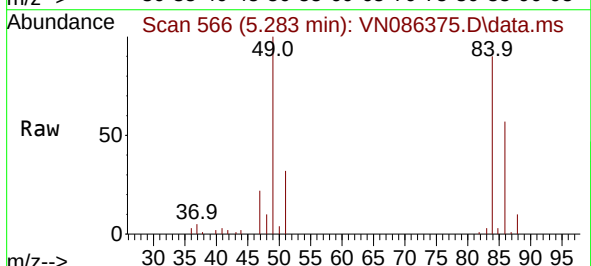
Tgt Ion: 41 Resp: 8061
 Ion Ratio Lower Upper
 41 100
 39 76.8 36.7 110.1
 76 41.3 21.8 65.4

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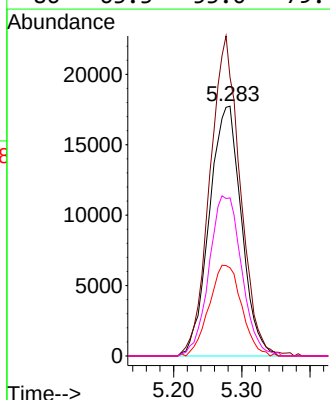
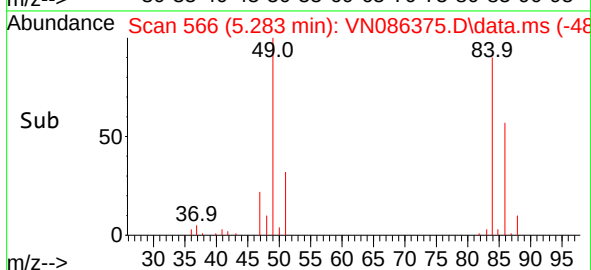
Reviewed By :John Carlone 04/24/2025
 Supervised By :Mahesh Dadoda 04/25/2025

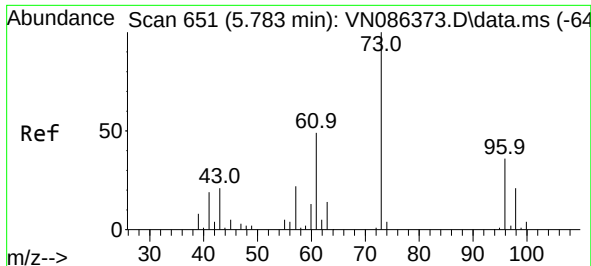


#18
 Methylene Chloride
 Concen: 54.189 ug/l
 RT: 5.283 min Scan# 566
 Delta R.T. 0.006 min
 Lab File: VN086375.D
 Acq: 23 Apr 2025 10:33



Tgt Ion: 84 Resp: 58171
 Ion Ratio Lower Upper
 84 100
 49 111.5 95.4 143.0
 51 35.3 32.8 49.2
 86 63.3 53.0 79.4





#19

trans-1,2-Dichloroethene

Concen: 52.873 ug/l

RT: 5.783 min Scan# 651

Delta R.T. 0.000 min

Lab File: VN086375.D

Acq: 23 Apr 2025 10:33

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC050

Tgt Ion: 96 Resp: 5312

Ion Ratio Lower Upper

96 100

61 131.9 107.3 160.9

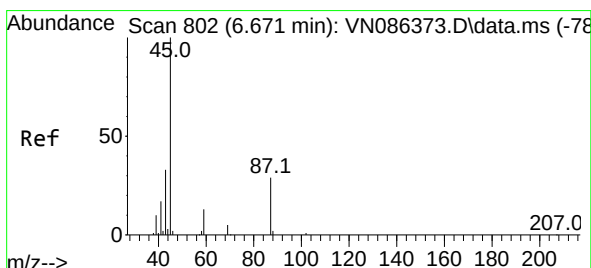
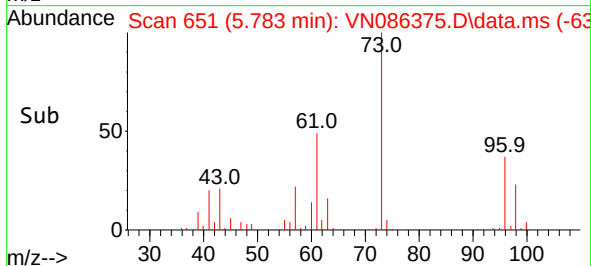
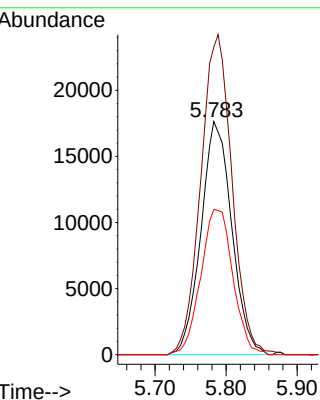
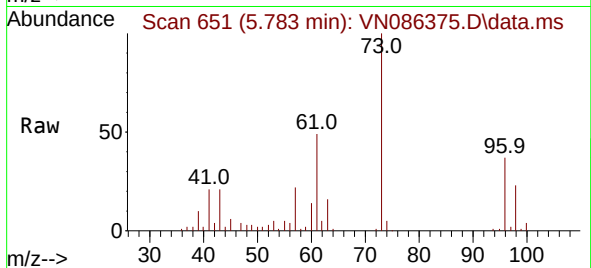
98 62.3 46.7 70.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 04/24/2025

Supervised By :Mahesh Dadoda 04/25/2025



#20

Diisopropyl ether

Concen: 52.968 ug/l

RT: 6.671 min Scan# 802

Delta R.T. 0.000 min

Lab File: VN086375.D

Acq: 23 Apr 2025 10:33

Tgt Ion: 45 Resp: 189826

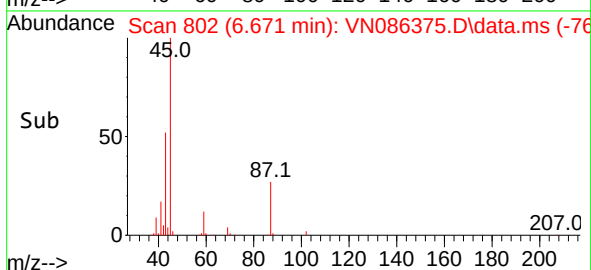
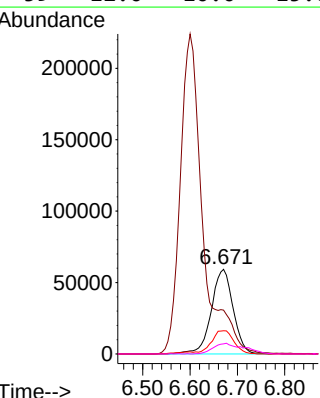
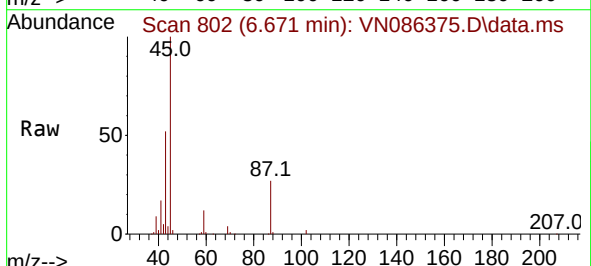
Ion Ratio Lower Upper

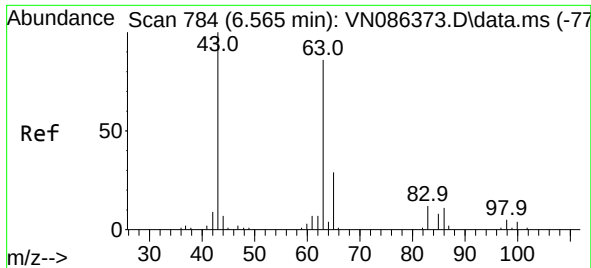
45 100

43 50.4 38.8 58.2

87 27.4 23.5 35.3

59 12.0 10.0 15.0





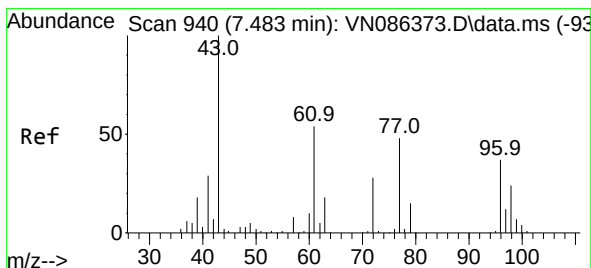
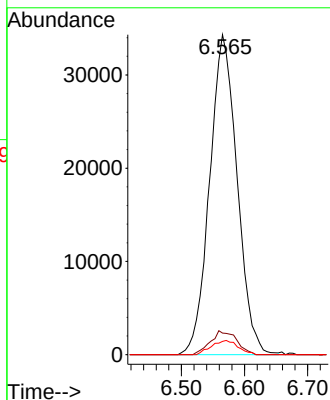
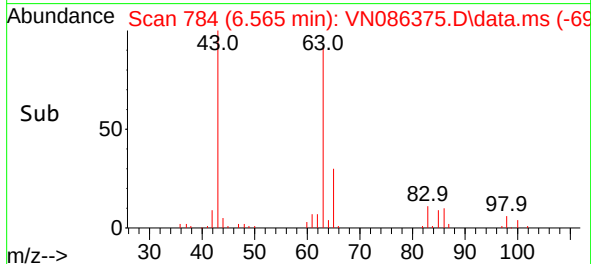
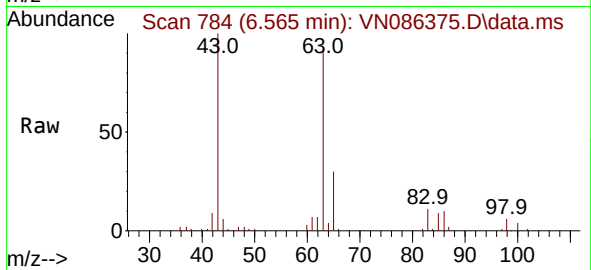
#21
1,1-Dichloroethane
Concen: 52.916 ug/l
RT: 6.565 min Scan# 784
Delta R.T. 0.000 min
Lab File: VN086375.D
Acq: 23 Apr 2025 10:33

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

Tgt Ion: 63 Resp: 10380
Ion Ratio Lower Upper
63 100
98 6.8 3.0 9.2
100 4.1 2.3 6.8

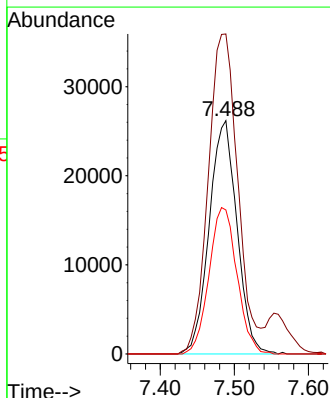
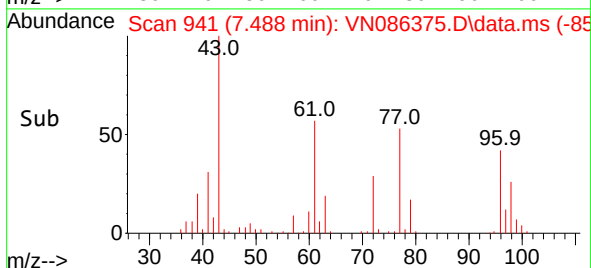
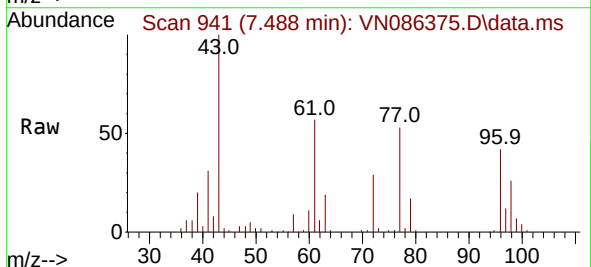
Manual Integrations
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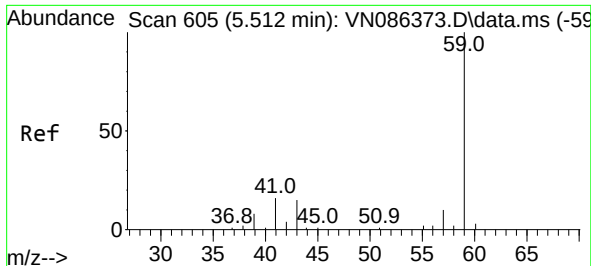
Reviewed By :John Carlone 04/24/2025
Supervised By :Mahesh Dadoda 04/25/2025



#22
cis-1,2-Dichloroethene
Concen: 54.299 ug/l
RT: 7.488 min Scan# 941
Delta R.T. 0.006 min
Lab File: VN086375.D
Acq: 23 Apr 2025 10:33

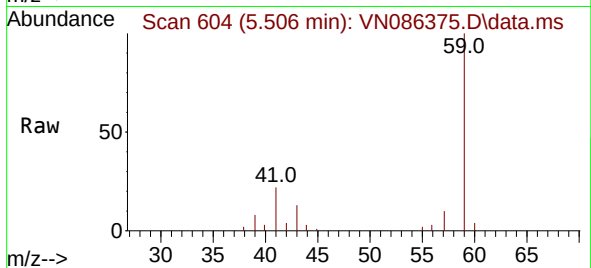
Tgt Ion: 96 Resp: 68217
Ion Ratio Lower Upper
96 100
61 145.7 120.6 181.0
98 63.0 51.8 77.6





#23
tert-Butyl Alcohol
Concen: 297.063 ug/l m
RT: 5.506 min Scan# 605
Delta R.T. -0.006 min
Lab File: VN086375.D
Acq: 23 Apr 2025 10:33

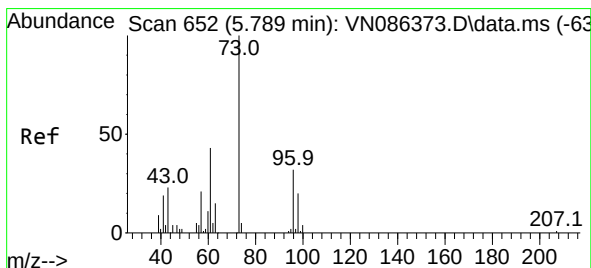
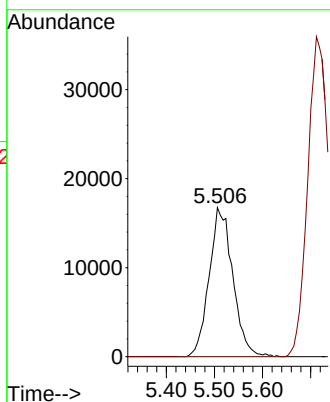
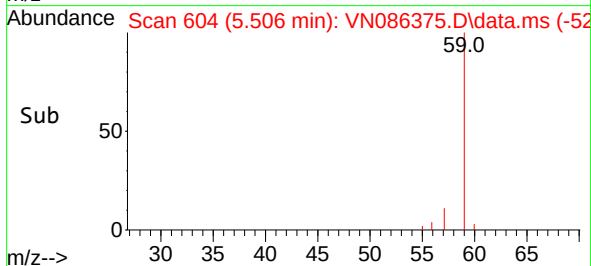
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050



Tgt Ion: 59 Resp: 57224
Ion Ratio Lower Upper
59 100
52 0.0 0.1 0.1

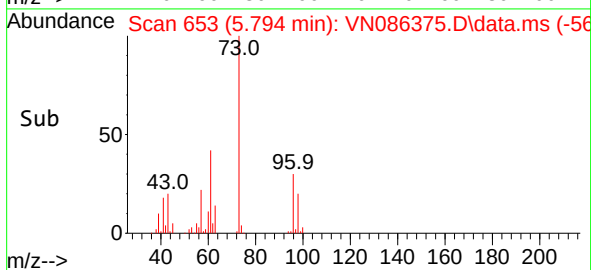
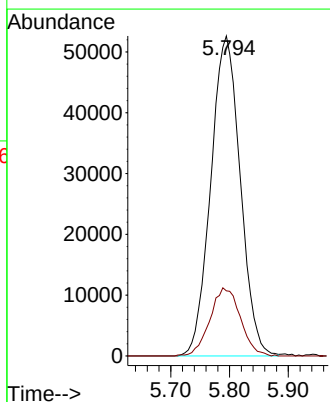
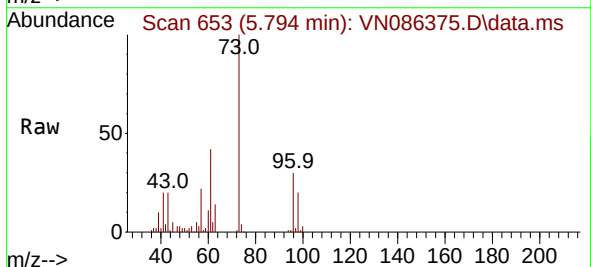
Manual Integrations
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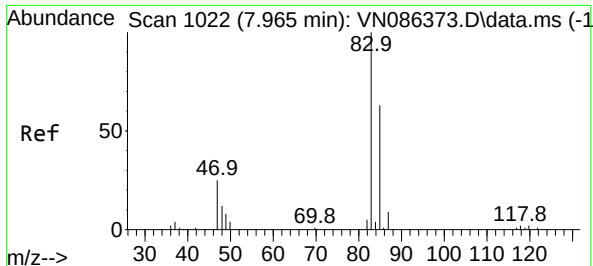
Reviewed By :John Carlone 04/24/2025
Supervised By :Mahesh Dadoda 04/25/2025



#24
Methyl tert-Butyl Ether
Concen: 52.634 ug/l
RT: 5.794 min Scan# 653
Delta R.T. 0.006 min
Lab File: VN086375.D
Acq: 23 Apr 2025 10:33

Tgt Ion: 73 Resp: 183310
Ion Ratio Lower Upper
73 100
43 21.8 17.1 25.7





#25

Chloroform

Concen: 53.335 ug/l

RT: 7.965 min Scan# 1022

Delta R.T. 0.000 min

Lab File: VN086375.D

Acq: 23 Apr 2025 10:33

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC050

Tgt Ion: 83 Resp: 105890

Ion Ratio Lower Upper

83 100

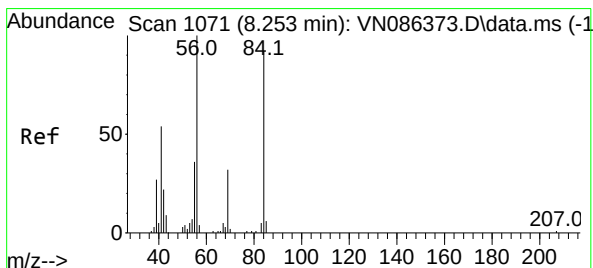
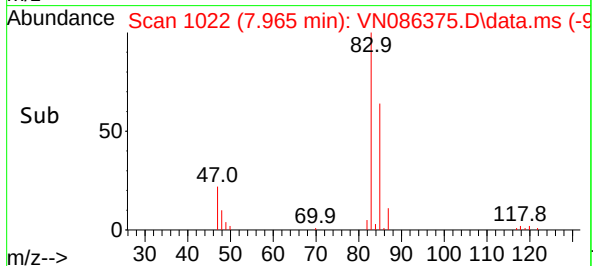
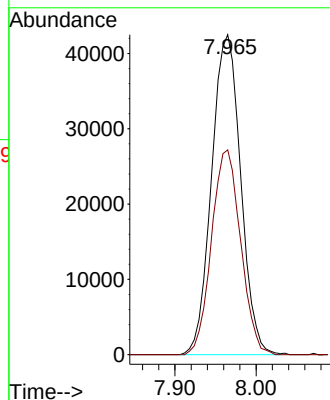
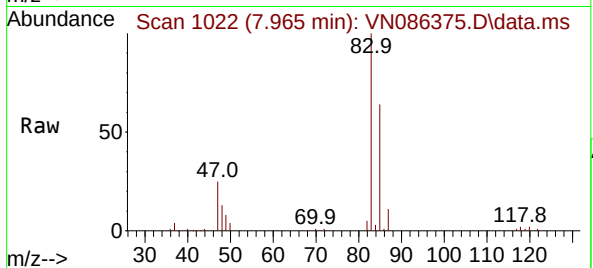
85 64.0 50.2 75.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 04/24/2025

Supervised By :Mahesh Dadoda 04/25/2025



#26

Cyclohexane

Concen: 54.337 ug/l

RT: 8.253 min Scan# 1071

Delta R.T. 0.000 min

Lab File: VN086375.D

Acq: 23 Apr 2025 10:33

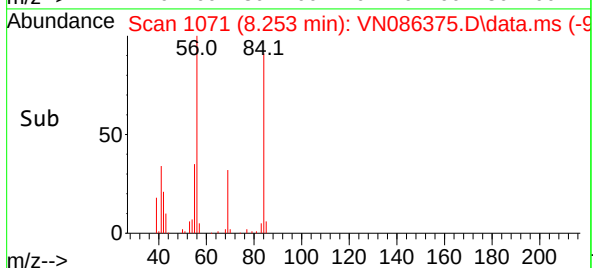
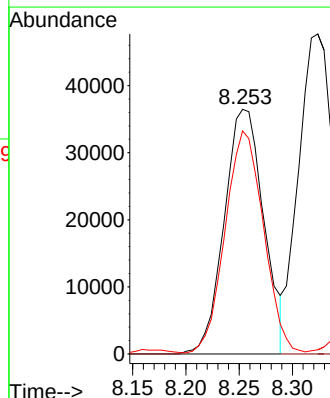
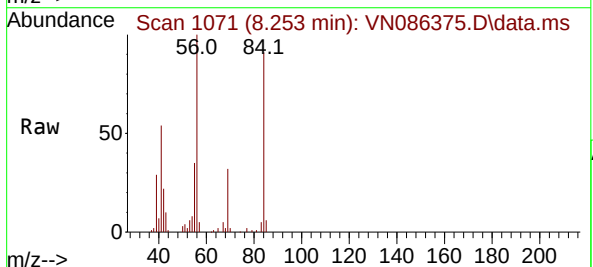
Tgt Ion: 56 Resp: 94117

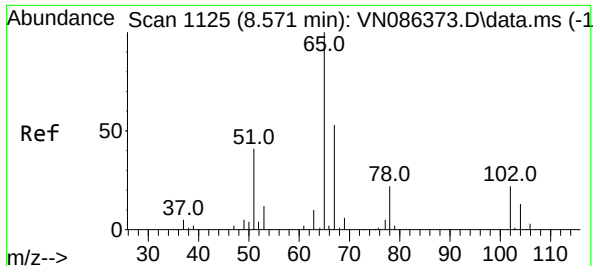
Ion Ratio Lower Upper

56 100

89 0.0 0.0 0.0

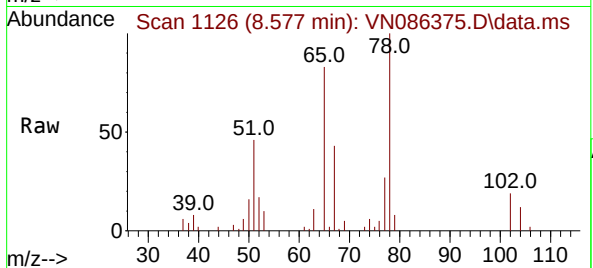
84 88.2 71.5 107.3





#27
1,2-Dichloroethane-d4
Concen: 30.412 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. 0.006 min
Lab File: VN086375.D
Acq: 23 Apr 2025 10:33

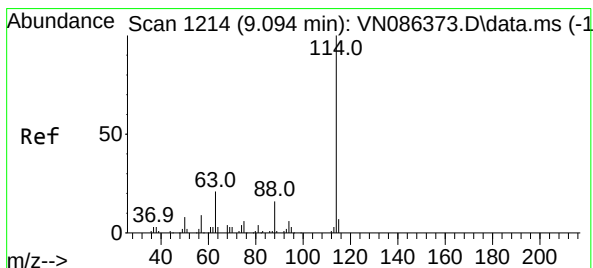
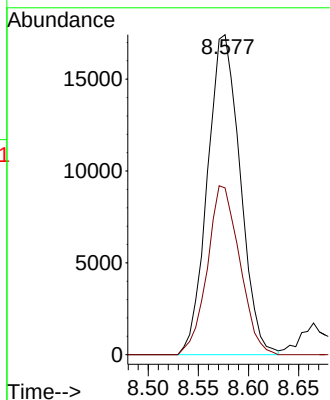
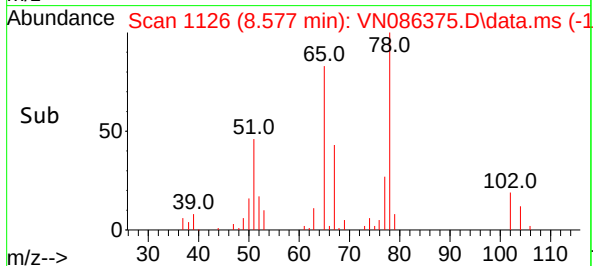
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050



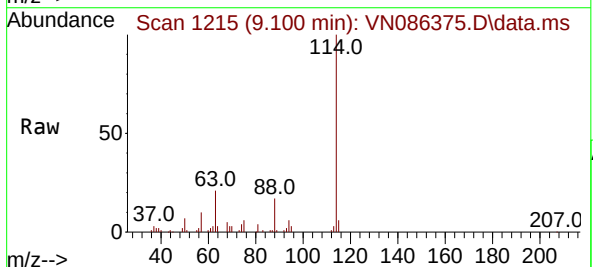
Tgt Ion: 65 Resp: 39618
Ion Ratio Lower Upper
65 100
67 52.2 42.5 63.7

Manual Integrations
APPROVED

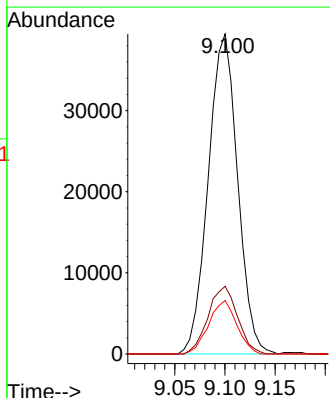
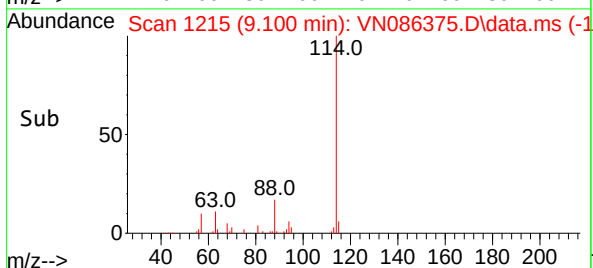
Reviewed By :John Carlone 04/24/2025
Supervised By :Mahesh Dadoda 04/25/2025

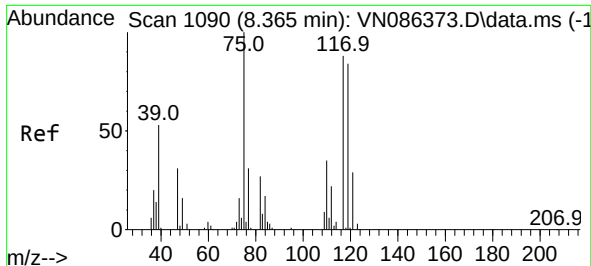


#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 9.100 min Scan# 1215
Delta R.T. 0.006 min
Lab File: VN086375.D
Acq: 23 Apr 2025 10:33



Tgt Ion:114 Resp: 80323
Ion Ratio Lower Upper
114 100
63 21.1 16.7 25.1
88 16.0 12.6 19.0





#29

1,1-Dichloropropene

Concen: 52.344 ug/l

RT: 8.365 min Scan# 1090

Delta R.T. 0.000 min

Lab File: VN086375.D

Acq: 23 Apr 2025 10:33

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC050

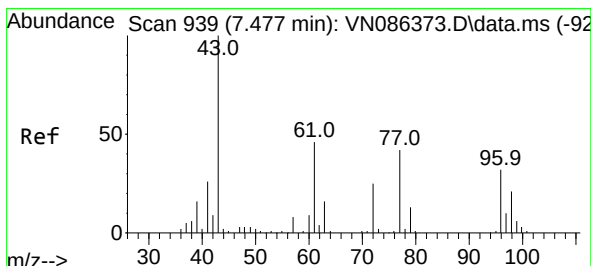
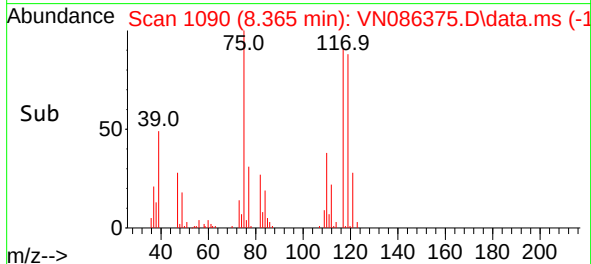
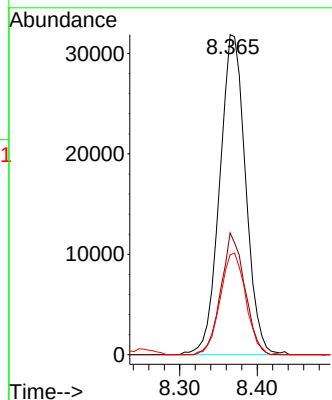
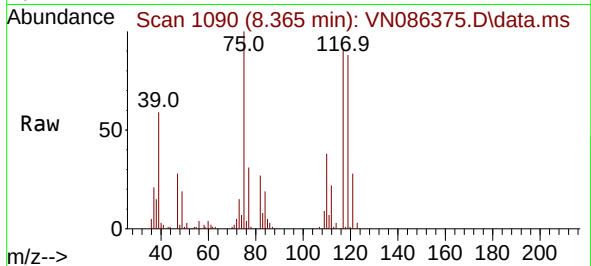
Tgt Ion:	75	Resp:	7412
Ion Ratio	Lower	Upper	
75	100		
110	35.0	0.0	68.0
77	31.4	0.0	61.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 04/24/2025

Supervised By :Mahesh Dadoda 04/25/2025



#30

2-Butanone

Concen: 276.063 ug/l

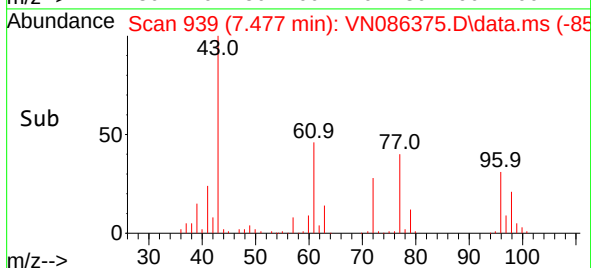
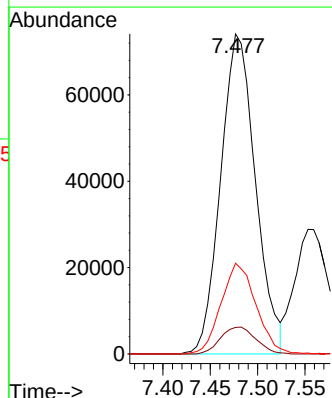
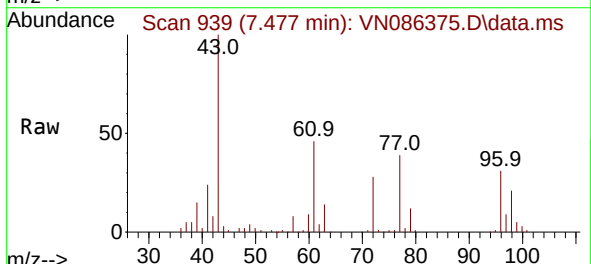
RT: 7.477 min Scan# 939

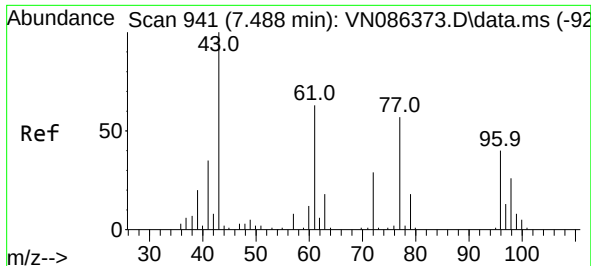
Delta R.T. 0.000 min

Lab File: VN086375.D

Acq: 23 Apr 2025 10:33

Tgt Ion:	43	Resp:	189738
Ion Ratio	Lower	Upper	
43	100		
57	8.5	6.6	10.0
72	28.4	22.2	33.4





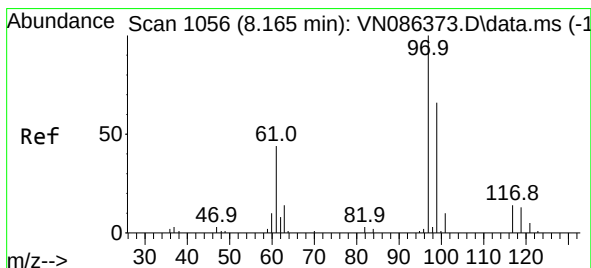
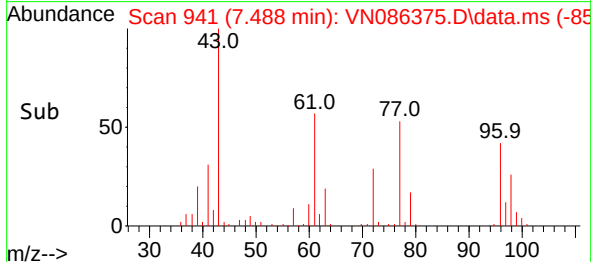
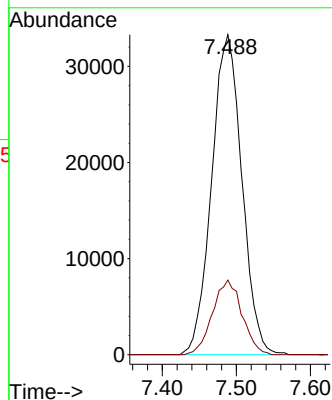
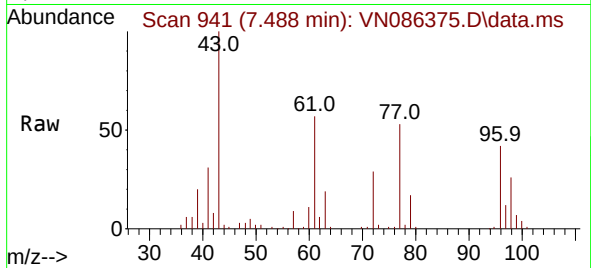
#31
2,2-Dichloropropane
Concen: 51.844 ug/l
RT: 7.488 min Scan# 941
Delta R.T. 0.000 min
Lab File: VN086375.D
Acq: 23 Apr 2025 10:33

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

Tgt Ion: 77 Resp: 9437
Ion Ratio Lower Upper
77 100
97 22.7 18.2 27.2

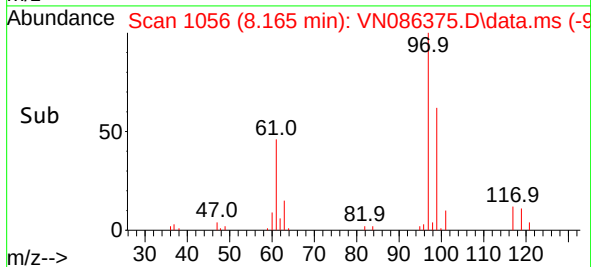
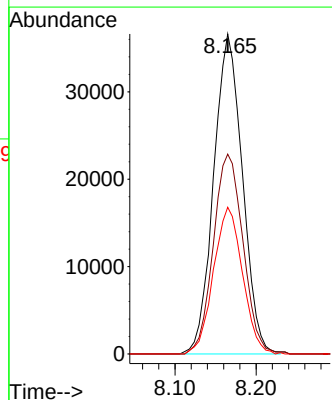
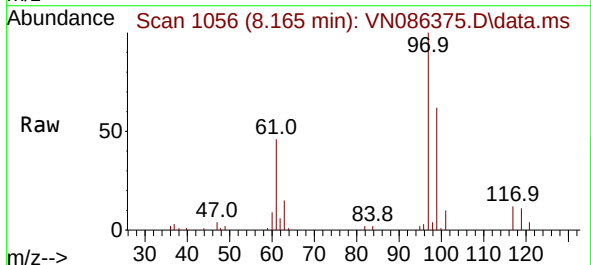
Manual Integrations
APPROVED

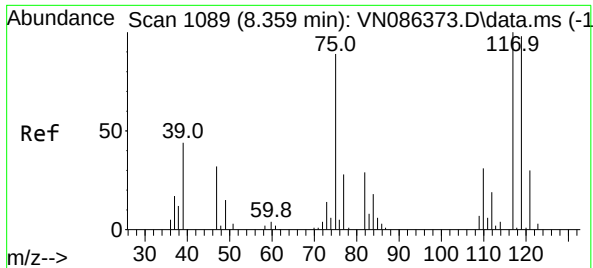
Reviewed By :John Carlone 04/24/2025
Supervised By :Mahesh Dadoda 04/25/2025



#32
1,1,1-Trichloroethane
Concen: 53.266 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. 0.000 min
Lab File: VN086375.D
Acq: 23 Apr 2025 10:33

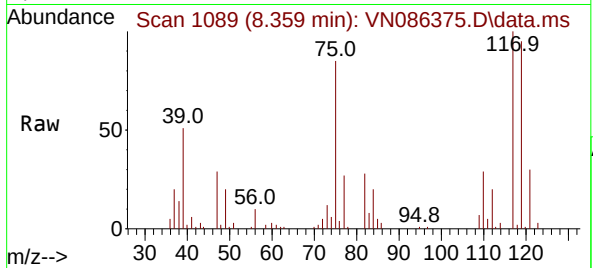
Tgt Ion: 97 Resp: 90132
Ion Ratio Lower Upper
97 100
99 64.4 52.6 79.0
61 46.3 36.4 54.6





#33
Carbon Tetrachloride
Concen: 52.666 ug/l
RT: 8.359 min Scan# 1089
Delta R.T. 0.000 min
Lab File: VN086375.D
Acq: 23 Apr 2025 10:33

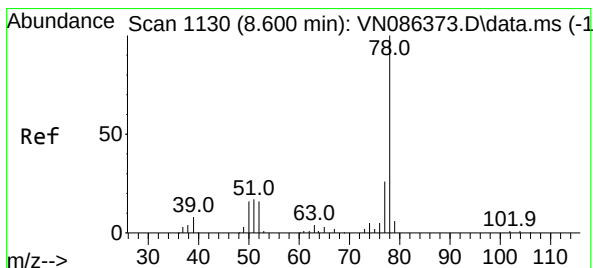
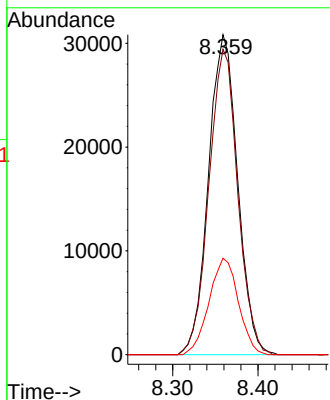
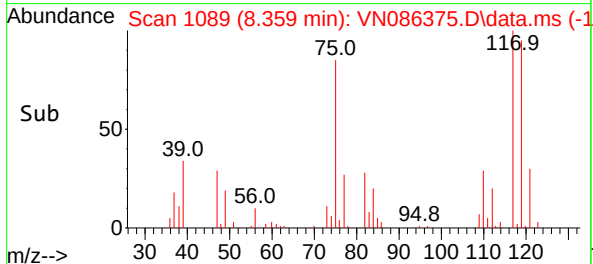
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC050



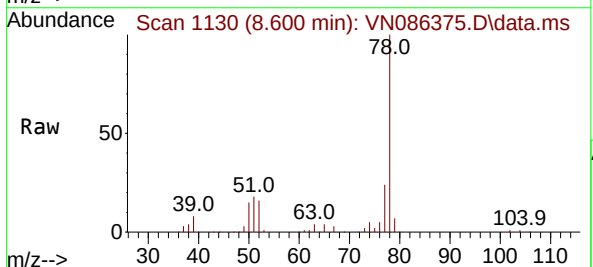
Tgt Ion: 117 Resp: 7336
Ion Ratio Lower Upper
117 100
119 95.5 78.6 117.8
121 30.1 24.0 36.0

Manual Integrations
APPROVED

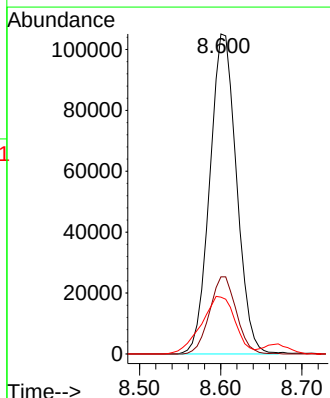
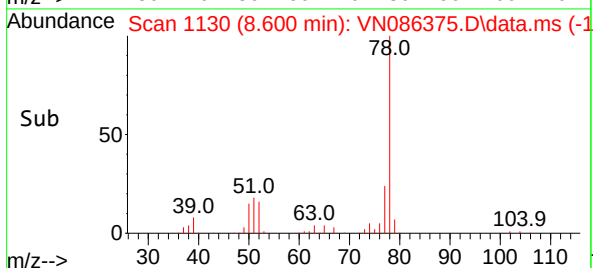
Reviewed By :John Carlone 04/24/2025
Supervised By :Mahesh Dadoda 04/25/2025

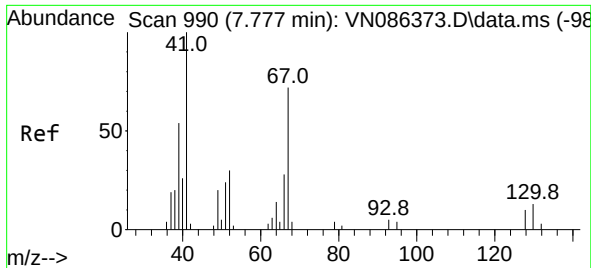


#34
Benzene
Concen: 53.389 ug/l
RT: 8.600 min Scan# 1130
Delta R.T. 0.000 min
Lab File: VN086375.D
Acq: 23 Apr 2025 10:33



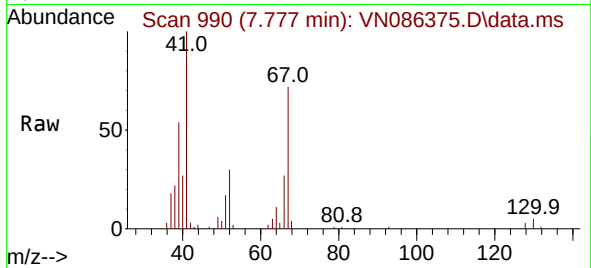
Tgt Ion: 78 Resp: 240457
Ion Ratio Lower Upper
78 100
77 24.1 20.8 31.2
51 16.8 14.0 21.0





#35
Methacrylonitrile
Concen: 55.185 ug/l
RT: 7.777 min Scan# 990
Delta R.T. 0.000 min
Lab File: VN086375.D
Acq: 23 Apr 2025 10:33

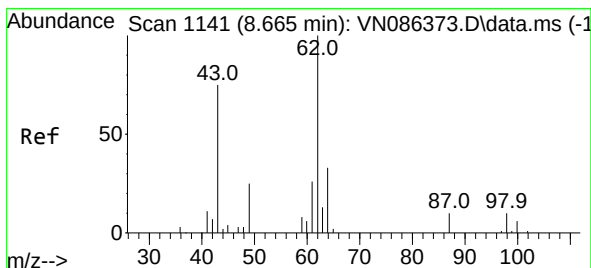
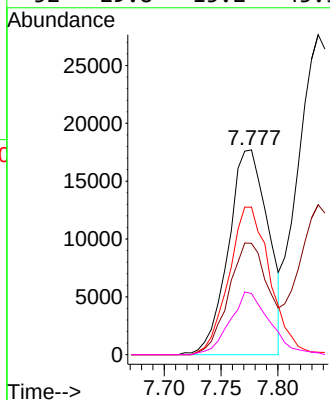
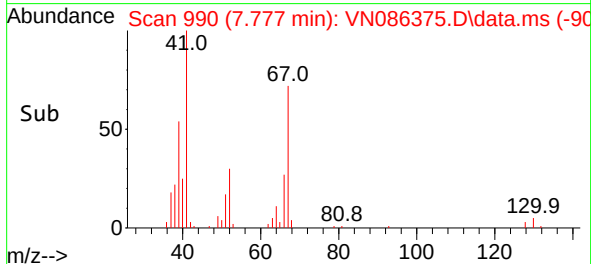
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC050



Tgt Ion:	41	Resp:	4326
Ion Ratio	Lower	Upper	
41	100		
39	54.4	27.0	80.8
67	72.0	35.8	107.3
52	29.8	15.2	45.5

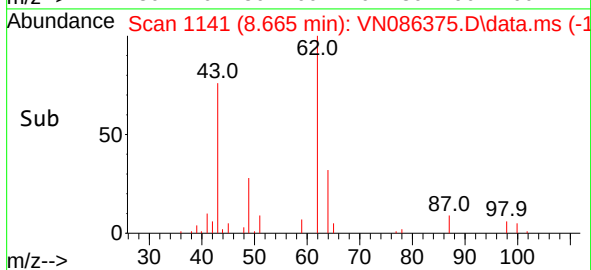
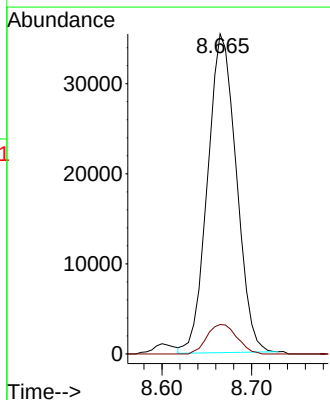
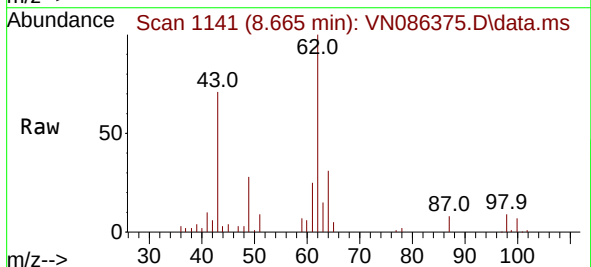
Manual Integrations
APPROVED

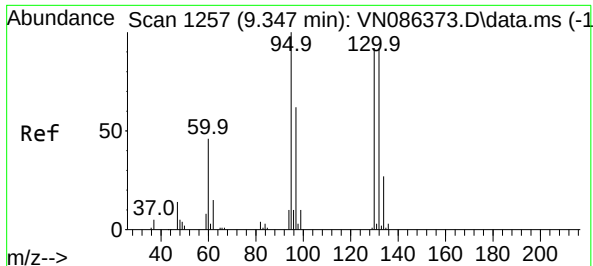
Reviewed By :John Carlone 04/24/2025
Supervised By :Mahesh Dadoda 04/25/2025



#36
1,2-Dichloroethane
Concen: 53.826 ug/l
RT: 8.665 min Scan# 1141
Delta R.T. 0.000 min
Lab File: VN086375.D
Acq: 23 Apr 2025 10:33

Tgt Ion:	62	Resp:	78707
Ion Ratio	Lower	Upper	
62	100		
98	9.6	7.6	11.4





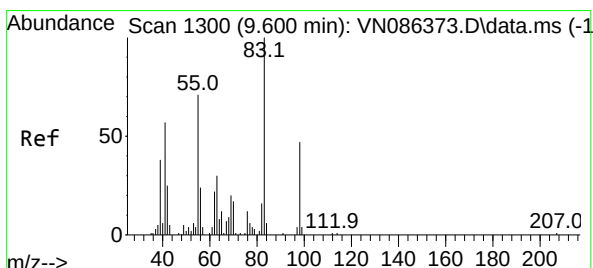
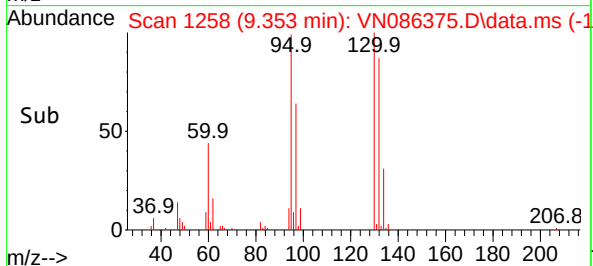
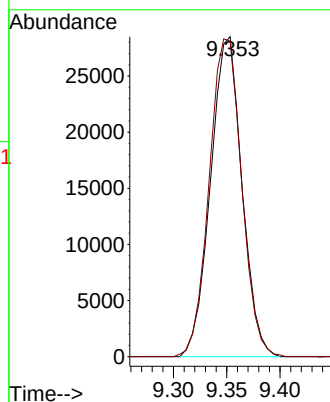
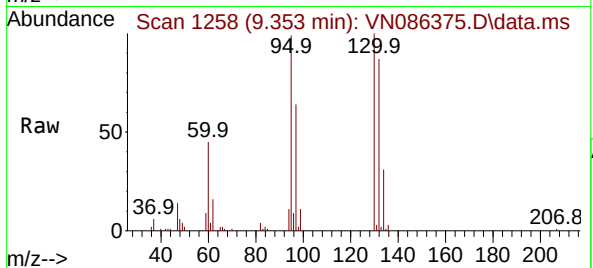
#37
Trichloroethene
Concen: 51.788 ug/l
RT: 9.353 min Scan# 1258
Delta R.T. 0.006 min
Lab File: VN086375.D
Acq: 23 Apr 2025 10:33

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

Tgt Ion:130 Resp: 5839
Ion Ratio Lower Upper
130 100
95 98.1 86.6 130.0

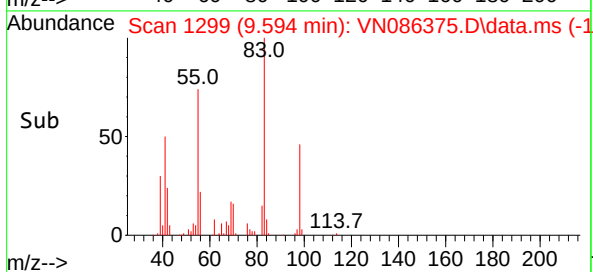
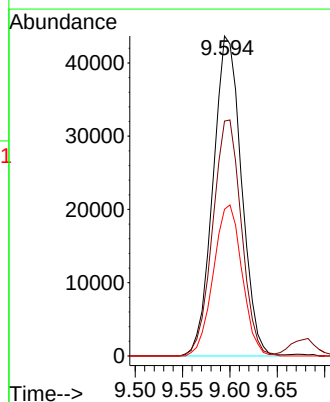
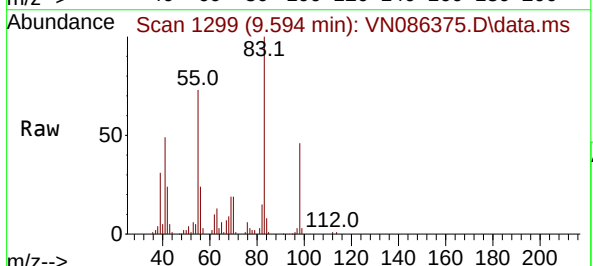
Manual Integrations
APPROVED

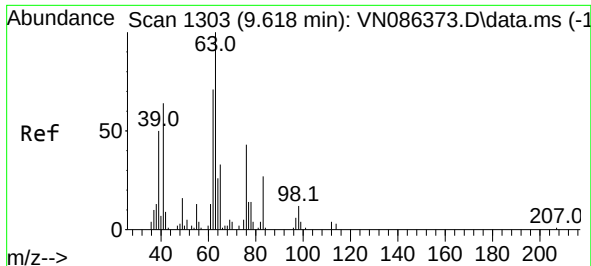
Reviewed By :John Carlone 04/24/2025
Supervised By :Mahesh Dadoda 04/25/2025



#38
Methylcyclohexane
Concen: 55.726 ug/l
RT: 9.594 min Scan# 1299
Delta R.T. -0.006 min
Lab File: VN086375.D
Acq: 23 Apr 2025 10:33

Tgt Ion: 83 Resp: 91136
Ion Ratio Lower Upper
83 100
55 74.5 37.3 111.9
98 47.6 23.8 71.5





#39

1,2-Dichloropropane

Concen: 53.253 ug/l

RT: 9.618 min Scan# 1303

Delta R.T. 0.000 min

Lab File: VN086375.D

Acq: 23 Apr 2025 10:33

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC050

Tgt Ion: 63 Resp: 5925

Ion Ratio Lower Upper

63 100

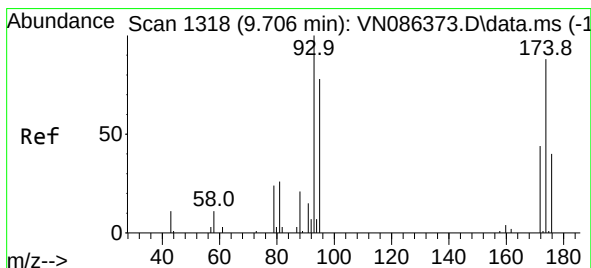
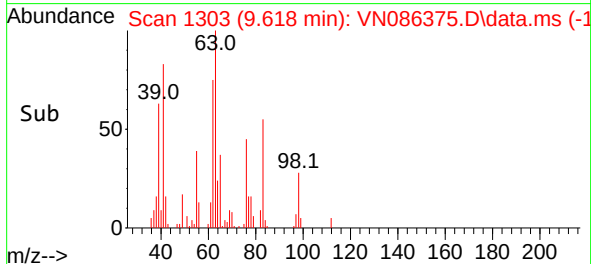
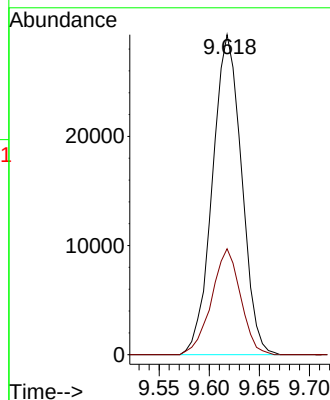
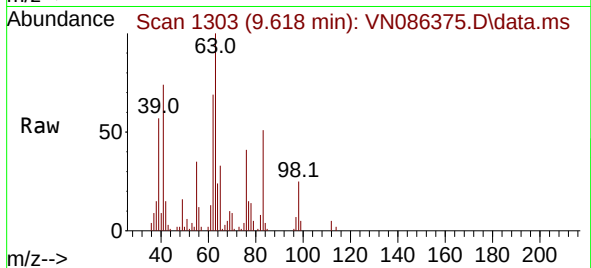
65 33.1 26.7 40.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 04/24/2025

Supervised By :Mahesh Dadoda 04/25/2025



#40

Dibromomethane

Concen: 53.995 ug/l

RT: 9.706 min Scan# 1318

Delta R.T. 0.000 min

Lab File: VN086375.D

Acq: 23 Apr 2025 10:33

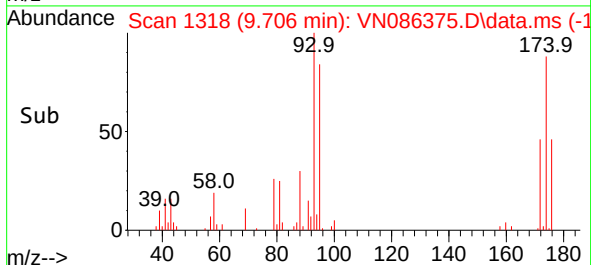
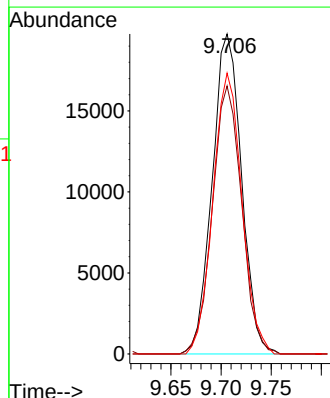
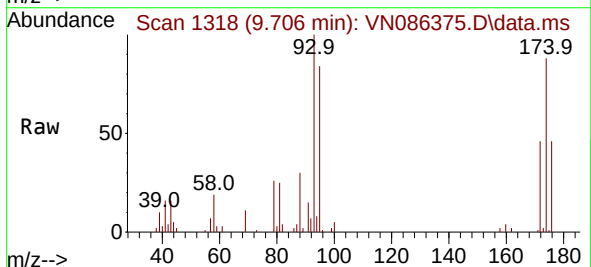
Tgt Ion: 93 Resp: 40177

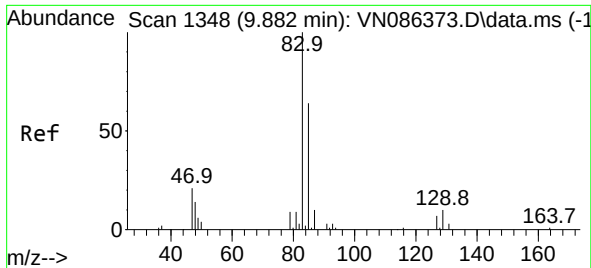
Ion Ratio Lower Upper

93 100

95 83.5 0.0 159.2

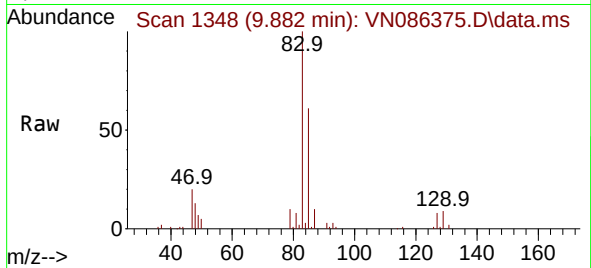
174 86.8 0.0 171.4





#41
Bromodichloromethane
Concen: 54.383 ug/l
RT: 9.882 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN086375.D
Acq: 23 Apr 2025 10:33

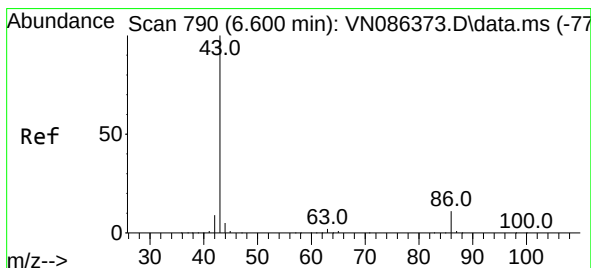
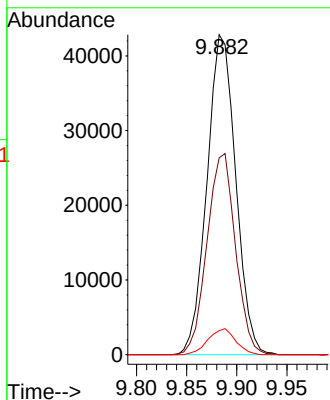
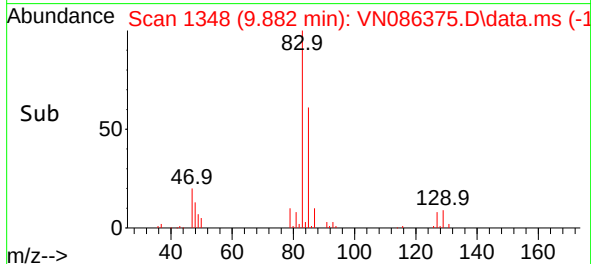
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050



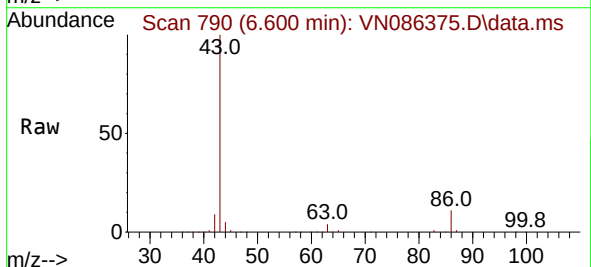
Tgt Ion: 83 Resp: 85632
Ion Ratio Lower Upper
83 100
85 61.5 51.1 76.7
127 7.5 5.9 8.9

Manual Integrations
APPROVED

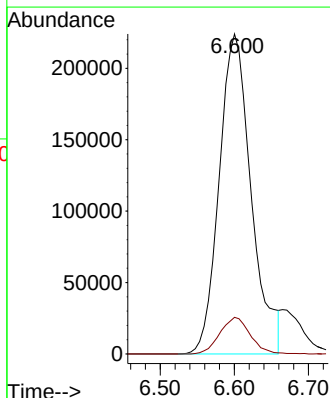
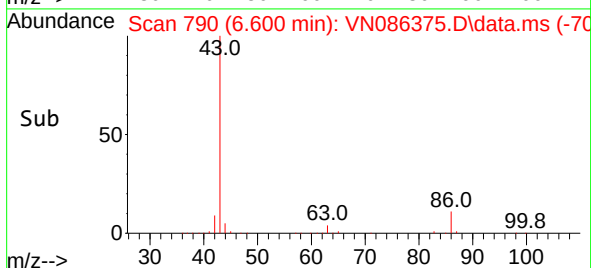
Reviewed By :John Carlone 04/24/2025
Supervised By :Mahesh Dadoda 04/25/2025

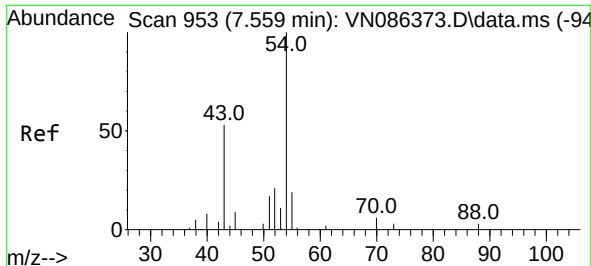


#42
Vinyl Acetate
Concen: 282.278 ug/l
RT: 6.600 min Scan# 790
Delta R.T. 0.000 min
Lab File: VN086375.D
Acq: 23 Apr 2025 10:33



Tgt Ion: 43 Resp: 672068
Ion Ratio Lower Upper
43 100
86 10.8 8.9 13.3





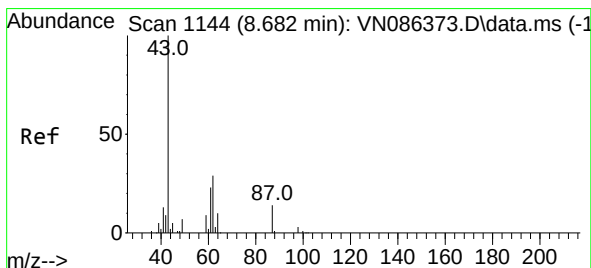
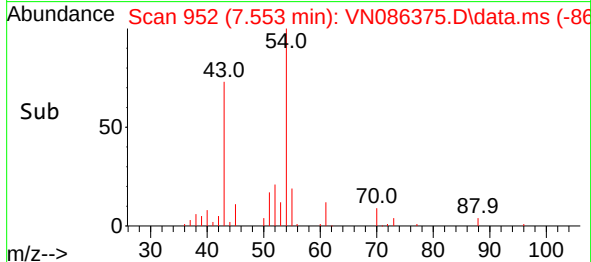
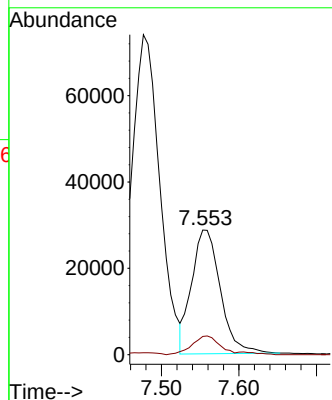
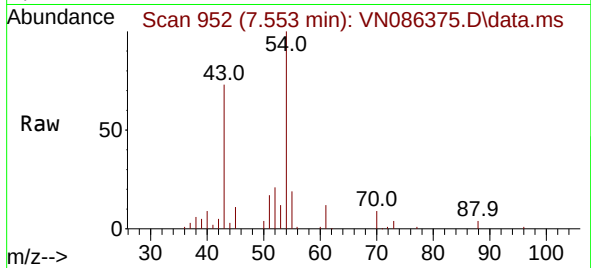
#43
Ethyl Acetate
Concen: 54.233 ug/l
RT: 7.553 min Scan# 91
Delta R.T. -0.006 min
Lab File: VN086375.D
Acq: 23 Apr 2025 10:33

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC050

Tgt Ion: 43 Resp: 73764
Ion Ratio Lower Upper
43 100
45 14.3 11.4 17.2

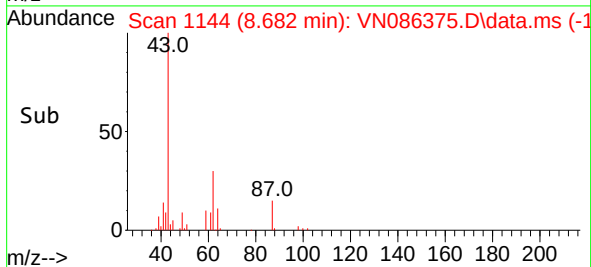
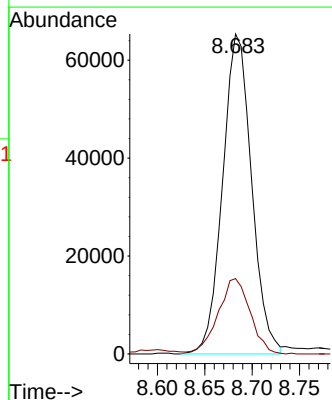
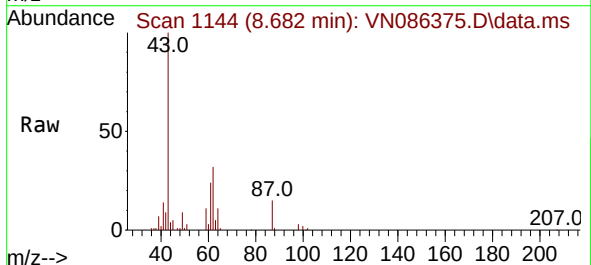
Manual Integrations
APPROVED

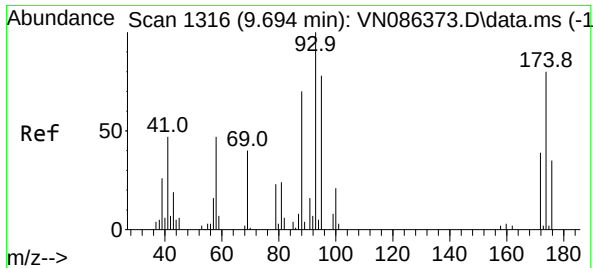
Reviewed By :John Carlone 04/24/2025
Supervised By :Mahesh Dadoda 04/25/2025



#44
Isopropyl Acetate
Concen: 53.853 ug/l
RT: 8.682 min Scan# 1144
Delta R.T. 0.000 min
Lab File: VN086375.D
Acq: 23 Apr 2025 10:33

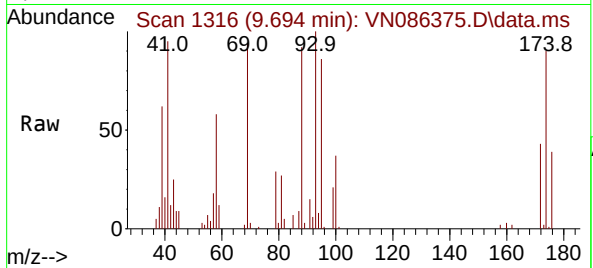
Tgt Ion: 43 Resp: 139020
Ion Ratio Lower Upper
43 100
61 26.0 21.0 31.4





#45
1,4-Dioxane
Concen: 1172.775 ug/l
RT: 9.694 min Scan# 1316
Delta R.T. 0.000 min
Lab File: VN086375.D
Acq: 23 Apr 2025 10:33

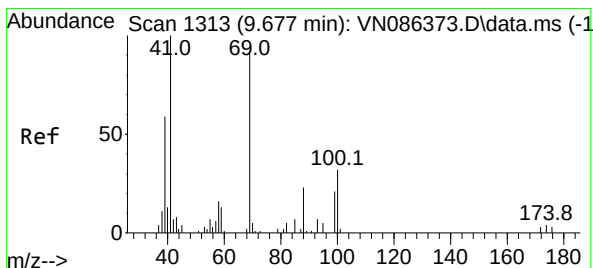
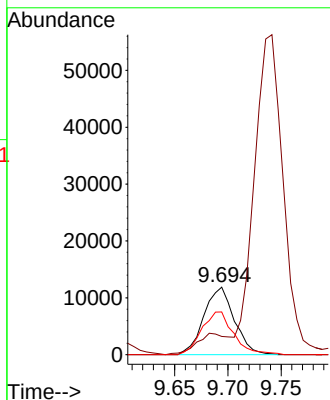
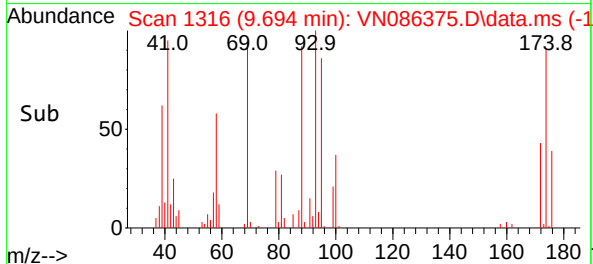
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050



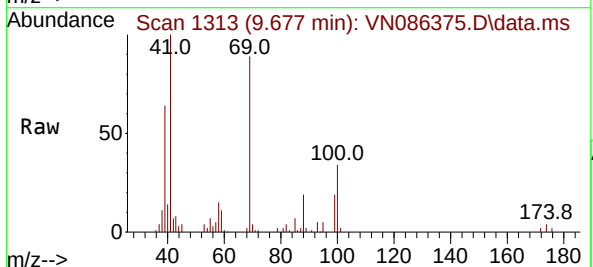
Tgt Ion: 88 Resp: 2362
Ion Ratio Lower Upper
88 100
43 35.7 24.9 37.3
58 66.5 57.8 86.8

Manual Integrations
APPROVED

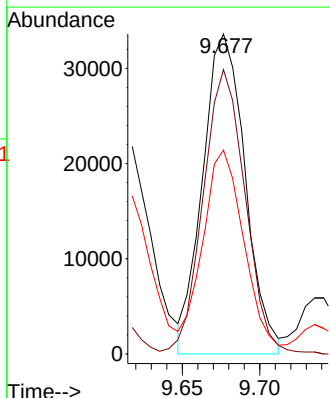
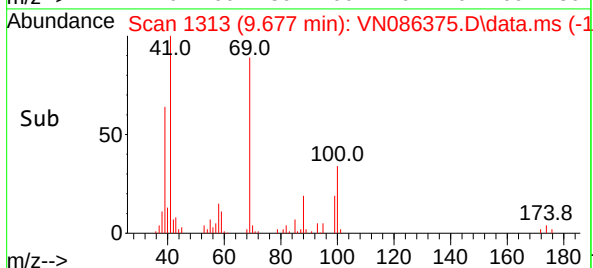
Reviewed By :John Carlone 04/24/2025
Supervised By :Mahesh Dadoda 04/25/2025

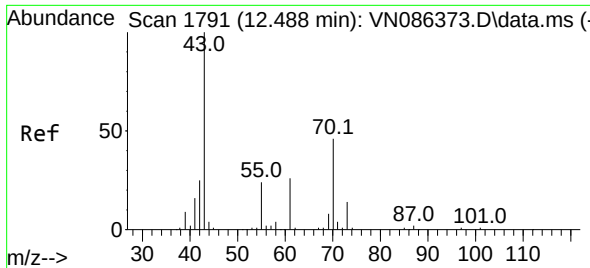


#46
Methyl methacrylate
Concen: 53.801 ug/l
RT: 9.677 min Scan# 1313
Delta R.T. 0.000 min
Lab File: VN086375.D
Acq: 23 Apr 2025 10:33



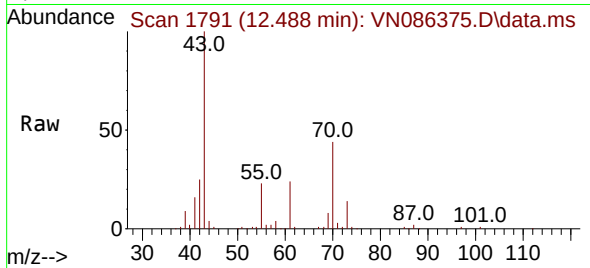
Tgt Ion: 41 Resp: 64064
Ion Ratio Lower Upper
41 100
69 90.5 44.1 132.3
39 64.0 30.0 90.1





#47
n-amyl acetate
Concen: 52.826 ug/l
RT: 12.488 min Scan# 116230
Delta R.T. 0.000 min
Lab File: VN086375.D
Acq: 23 Apr 2025 10:33

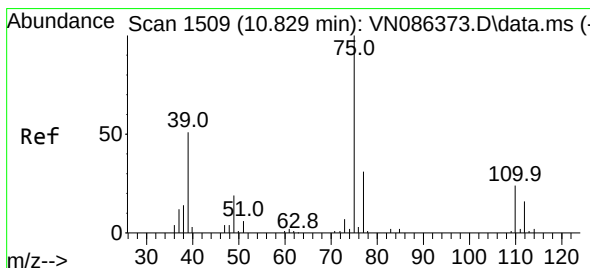
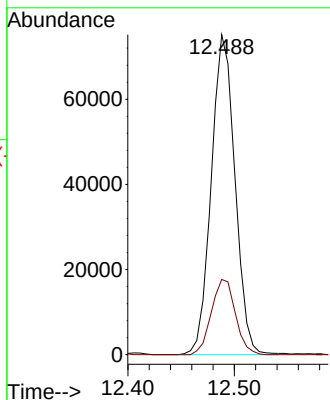
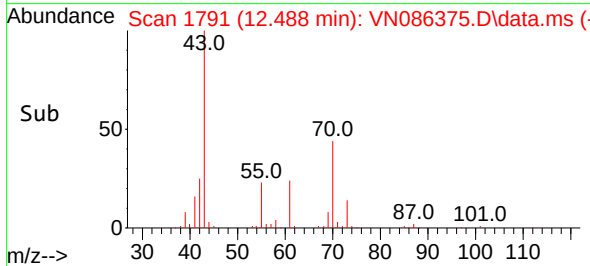
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050



Tgt Ion: 43 Resp: 116230
Ion Ratio Lower Upper
43 100
55 23.8 19.4 29.0

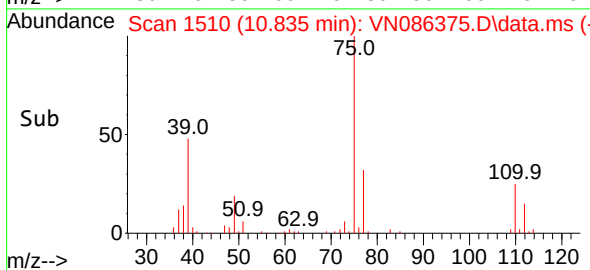
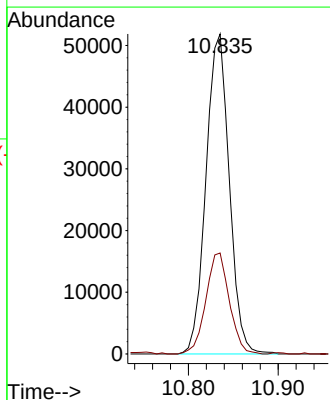
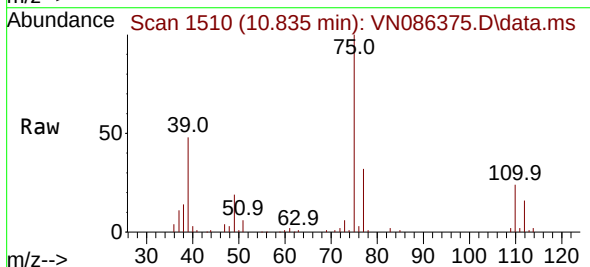
Manual Integrations
APPROVED

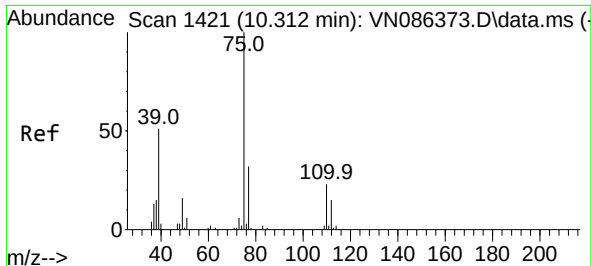
Reviewed By :John Carlone 04/24/2025
Supervised By :Mahesh Dadoda 04/25/2025



#48
t-1,3-Dichloropropene
Concen: 53.106 ug/l
RT: 10.835 min Scan# 1510
Delta R.T. 0.006 min
Lab File: VN086375.D
Acq: 23 Apr 2025 10:33

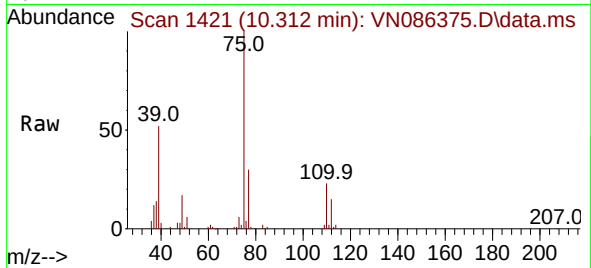
Tgt Ion: 75 Resp: 93487
Ion Ratio Lower Upper
75 100
77 31.6 24.4 36.6





#49
 cis-1,3-Dichloropropene
 Concen: 54.128 ug/l
 RT: 10.312 min Scan# 1421
 Delta R.T. 0.000 min
 Lab File: VN086375.D
 Acq: 23 Apr 2025 10:33

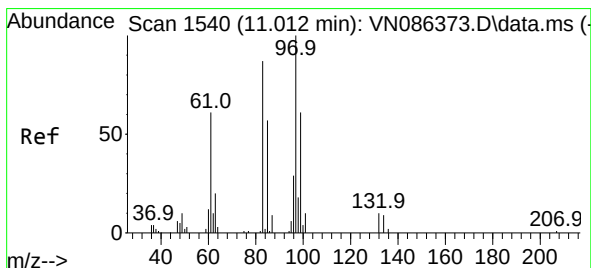
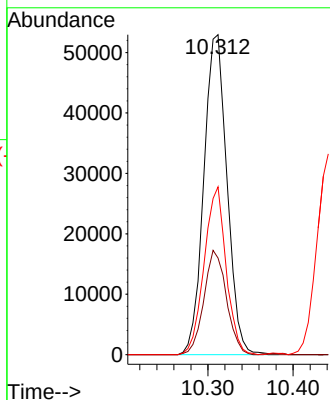
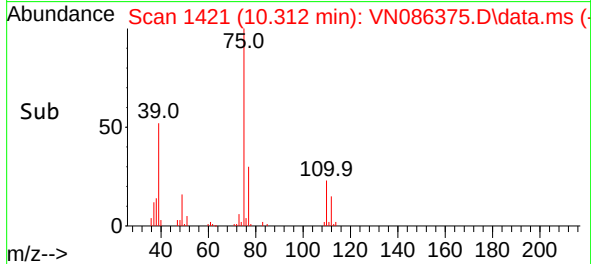
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC050



Tgt Ion: 75 Resp: 100480
 Ion Ratio Lower Upper
 75 100
 77 30.2 25.6 38.4
 39 52.4 40.6 60.8

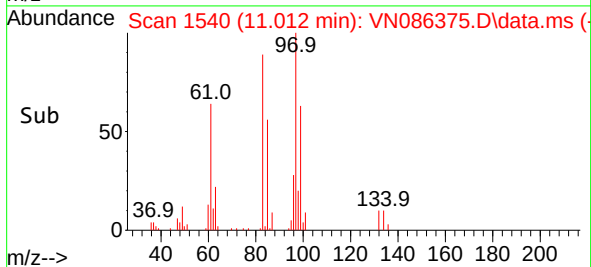
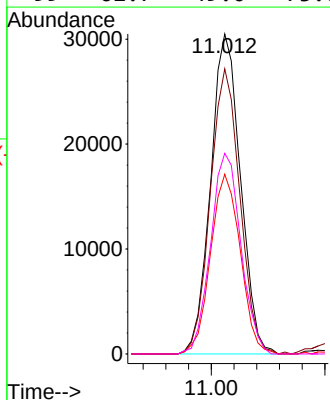
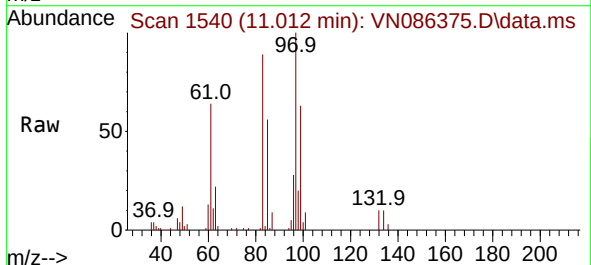
Manual Integrations
 APPROVED

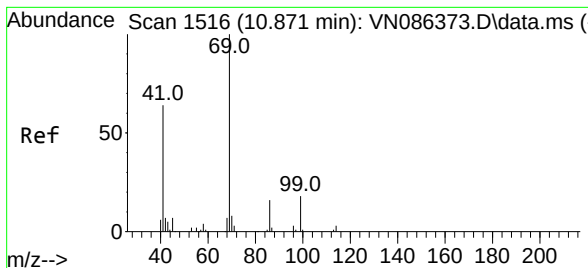
Reviewed By :John Carlone 04/24/2025
 Supervised By :Mahesh Dadoda 04/25/2025



#50
 1,1,2-Trichloroethane
 Concen: 53.465 ug/l
 RT: 11.012 min Scan# 1540
 Delta R.T. 0.000 min
 Lab File: VN086375.D
 Acq: 23 Apr 2025 10:33

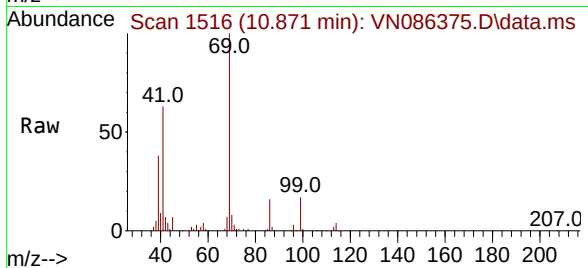
Tgt Ion: 97 Resp: 55567
 Ion Ratio Lower Upper
 97 100
 83 89.1 69.3 103.9
 85 56.2 45.5 68.3
 99 62.7 49.0 73.6





#51
Ethyl methacrylate
Concen: 53.769 ug/l
RT: 10.871 min Scan# 1516
Delta R.T. 0.000 min
Lab File: VN086375.D
Acq: 23 Apr 2025 10:33

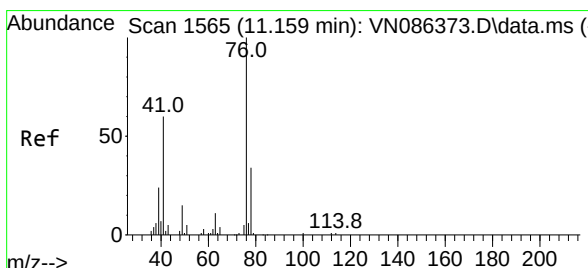
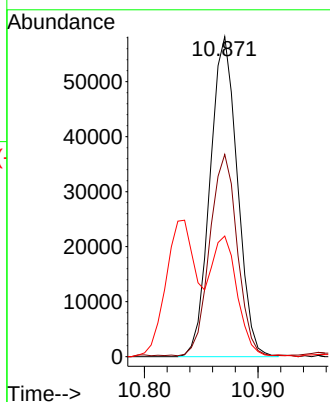
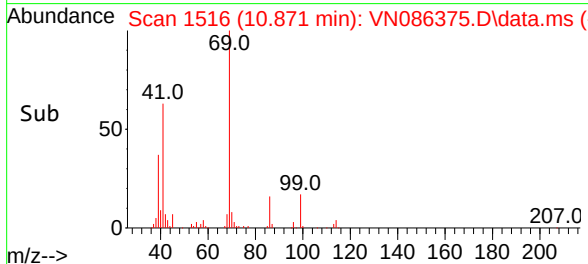
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050



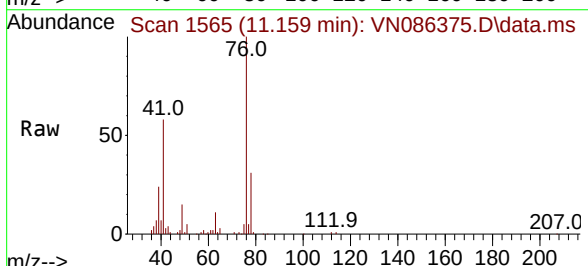
Tgt Ion: 69 Resp: 9732
Ion Ratio Lower Upper
69 100
41 62.9 32.3 96.8
39 37.2 19.1 57.1

Manual Integrations
APPROVED

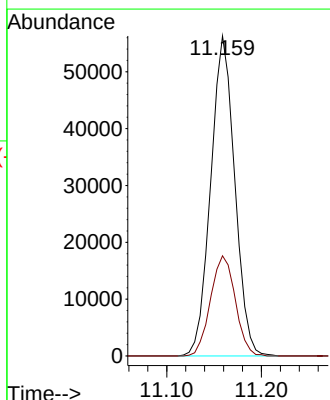
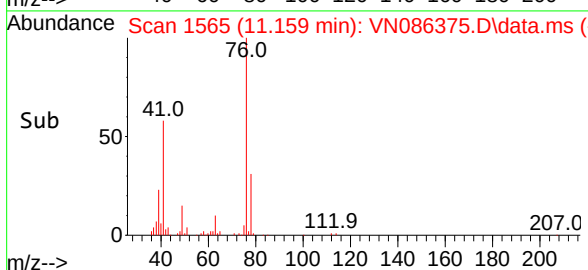
Reviewed By :John Carlone 04/24/2025
Supervised By :Mahesh Dadoda 04/25/2025

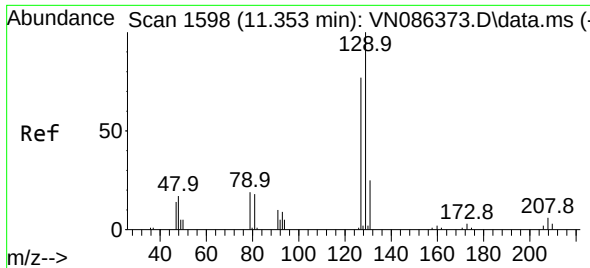


#52
1,3-Dichloropropane
Concen: 54.043 ug/l
RT: 11.159 min Scan# 1565
Delta R.T. 0.000 min
Lab File: VN086375.D
Acq: 23 Apr 2025 10:33



Tgt Ion: 76 Resp: 99270
Ion Ratio Lower Upper
76 100
78 32.2 0.0 65.6





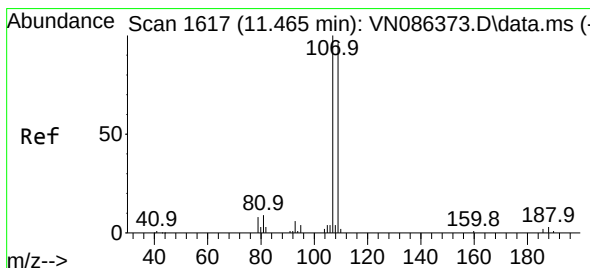
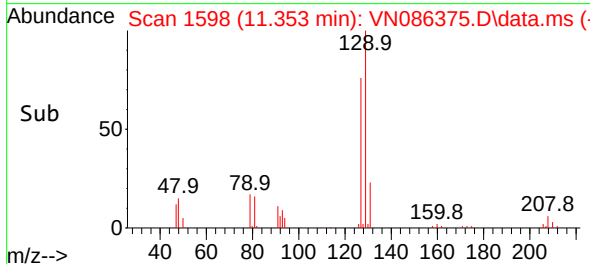
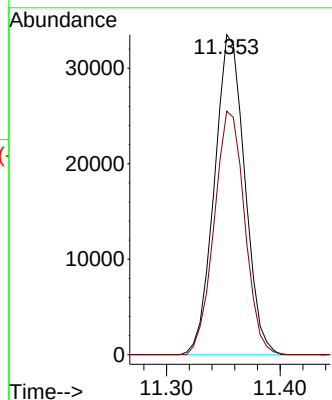
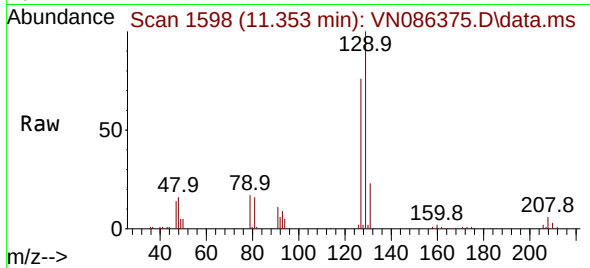
#53
Dibromochloromethane
Concen: 53.254 ug/l
RT: 11.353 min Scan# 1598
Delta R.T. 0.000 min
Lab File: VN086375.D
Acq: 23 Apr 2025 10:33

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

Tgt Ion:129 Resp: 62149
Ion Ratio Lower Upper
129 100
127 76.6 38.8 116.3

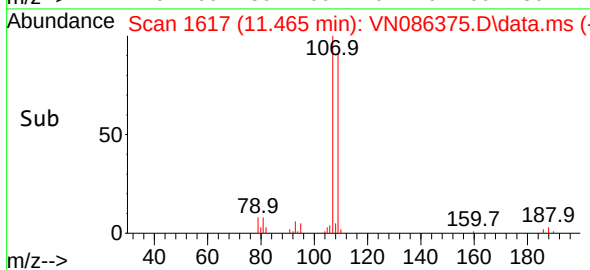
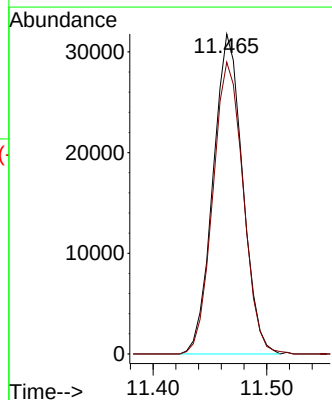
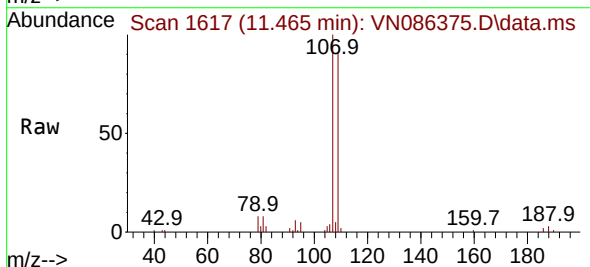
Manual Integrations
APPROVED

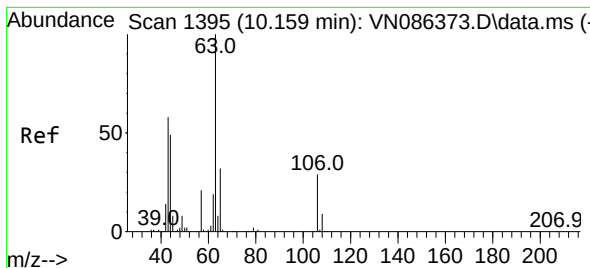
Reviewed By :John Carlone 04/24/2025
Supervised By :Mahesh Dadoda 04/25/2025



#54
1,2-Dibromoethane
Concen: 54.340 ug/l
RT: 11.465 min Scan# 1617
Delta R.T. 0.000 min
Lab File: VN086375.D
Acq: 23 Apr 2025 10:33

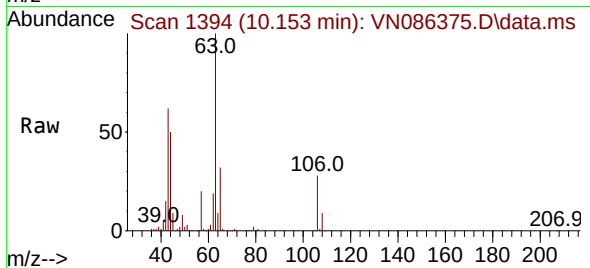
Tgt Ion:107 Resp: 57423
Ion Ratio Lower Upper
107 100
109 93.7 75.4 113.0





#55
2-Chloroethyl vinyl ether
Concen: 342.811 ug/l
RT: 10.153 min Scan# 1394
Delta R.T. -0.006 min
Lab File: VN086375.D
Acq: 23 Apr 2025 10:33

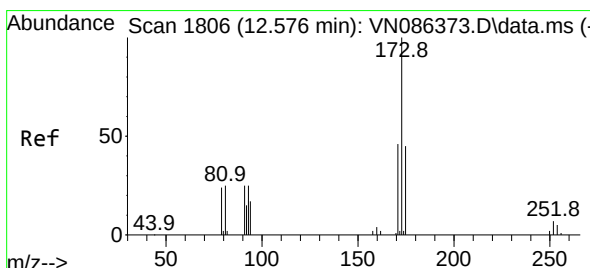
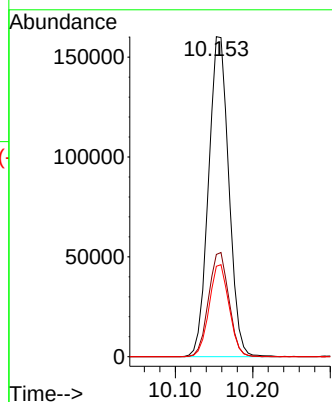
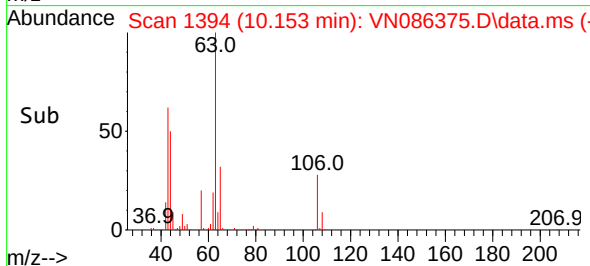
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC050



Tgt Ion: 63 Resp: 291740
Ion Ratio Lower Upper
63 100
65 32.6 25.7 38.5
106 28.2 22.3 33.5

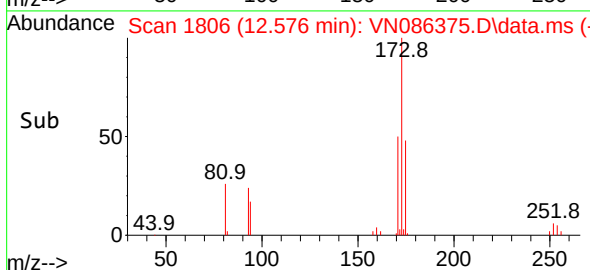
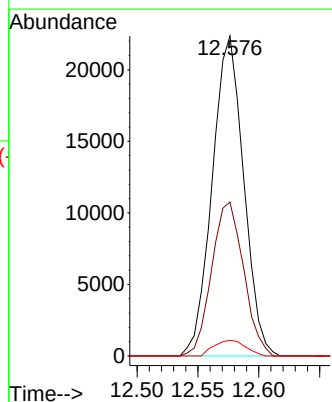
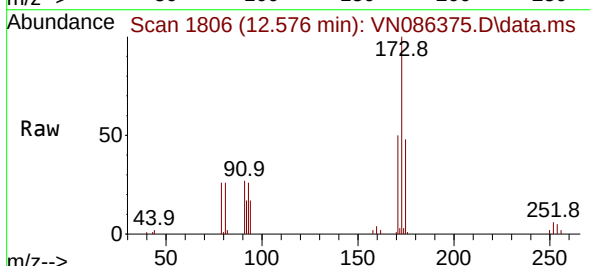
Manual Integrations
APPROVED

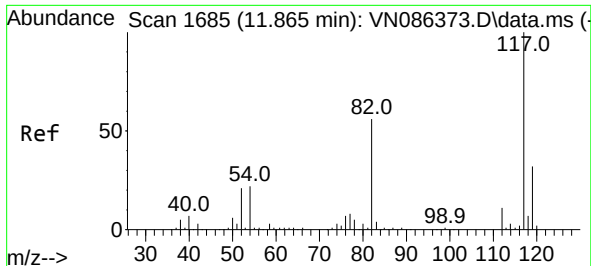
Reviewed By :John Carlone 04/24/2025
Supervised By :Mahesh Dadoda 04/25/2025



#56
Bromoform
Concen: 53.059 ug/l
RT: 12.576 min Scan# 1806
Delta R.T. 0.000 min
Lab File: VN086375.D
Acq: 23 Apr 2025 10:33

Tgt Ion:173 Resp: 40183
Ion Ratio Lower Upper
173 100
175 48.8 39.0 58.6
254 4.9 3.8 5.6





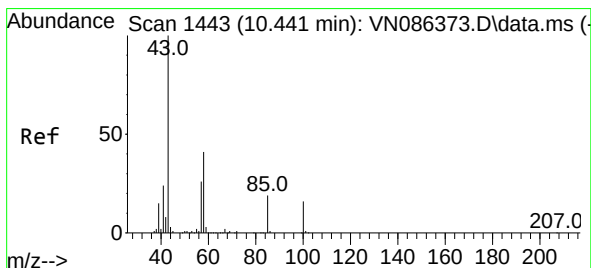
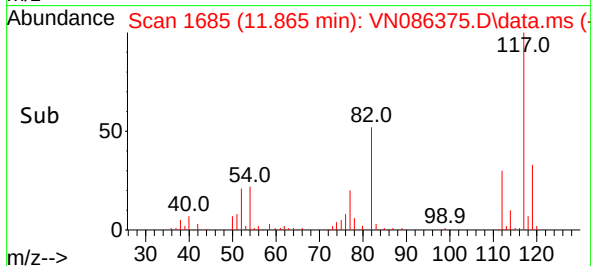
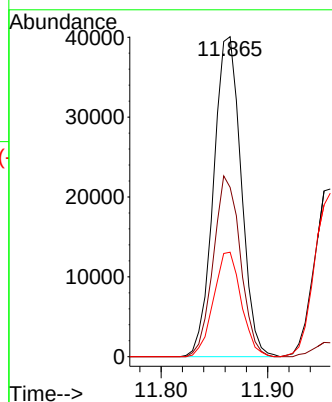
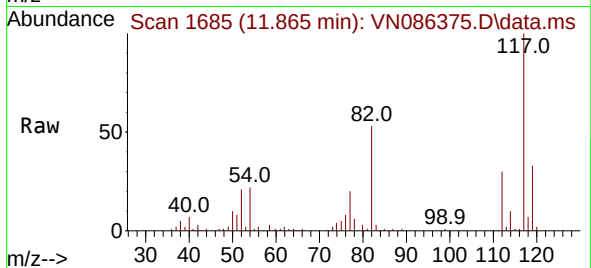
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.865 min Scan# 117
Delta R.T. 0.000 min
Lab File: VN086375.D
Acq: 23 Apr 2025 10:33

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC050

Tgt Ion:117 Resp: 72020
Ion Ratio Lower Upper
117 100
82 55.4 45.5 68.3
119 32.8 25.9 38.9

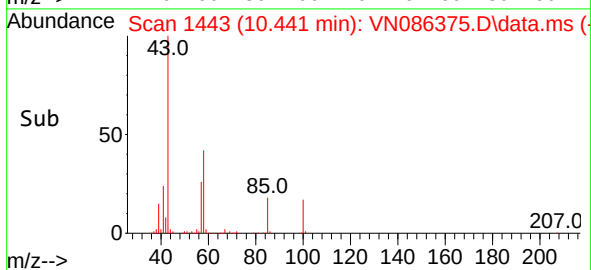
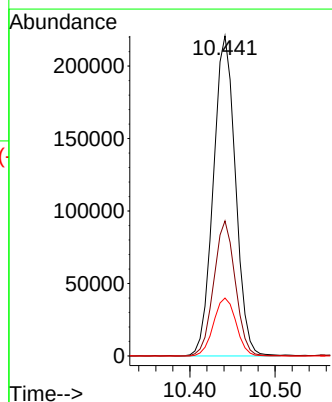
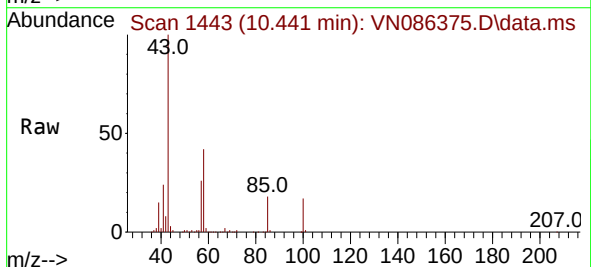
Manual Integrations
APPROVED

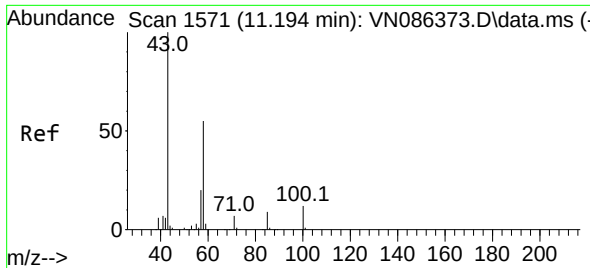
Reviewed By :John Carlone 04/24/2025
Supervised By :Mahesh Dadoda 04/25/2025



#58
4-Methyl-2-Pentanone
Concen: 286.124 ug/l
RT: 10.441 min Scan# 1443
Delta R.T. 0.000 min
Lab File: VN086375.D
Acq: 23 Apr 2025 10:33

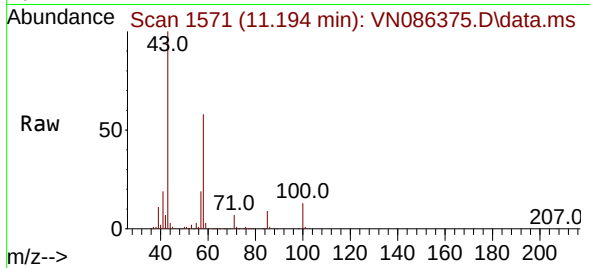
Tgt Ion: 43 Resp: 398801
Ion Ratio Lower Upper
43 100
58 41.2 33.0 49.6
85 18.4 14.9 22.3





#59
2-Hexanone
Concen: 285.548 ug/l
RT: 11.194 min Scan# 1571
Delta R.T. 0.000 min
Lab File: VN086375.D
Acq: 23 Apr 2025 10:33

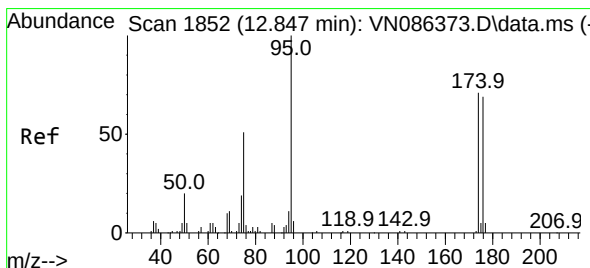
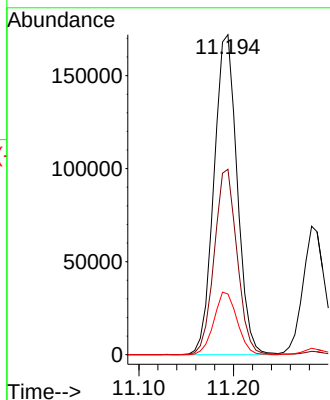
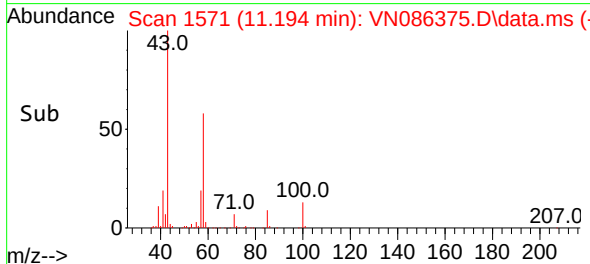
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050



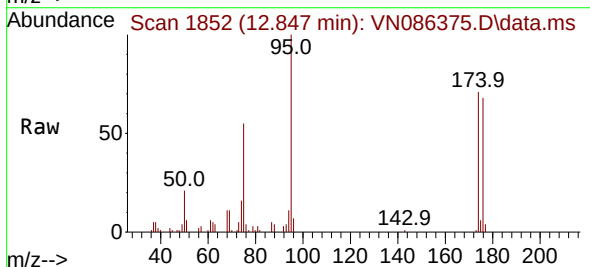
Tgt Ion: 43 Resp: 293290
Ion Ratio Lower Upper
43 100
58 56.9 45.0 67.6
57 19.5 15.5 23.3

Manual Integrations
APPROVED

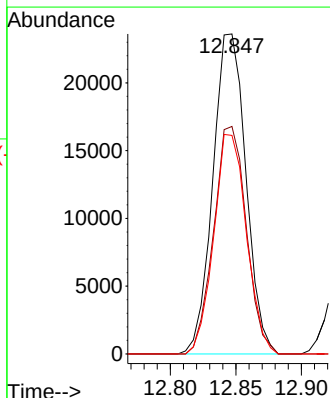
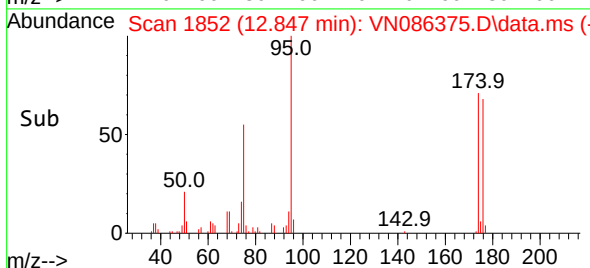
Reviewed By :John Carlone 04/24/2025
Supervised By :Mahesh Dadoda 04/25/2025

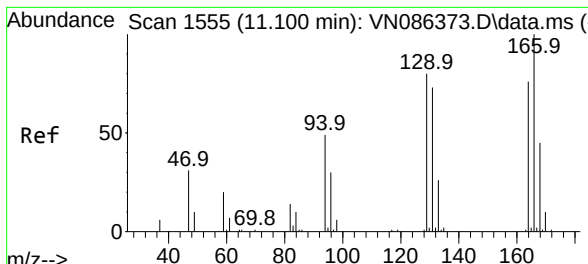


#60
4-Bromofluorobenzene
Concen: 29.206 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN086375.D
Acq: 23 Apr 2025 10:33



Tgt Ion: 95 Resp: 41345
Ion Ratio Lower Upper
95 100
174 70.2 56.6 84.8
176 67.8 53.3 79.9





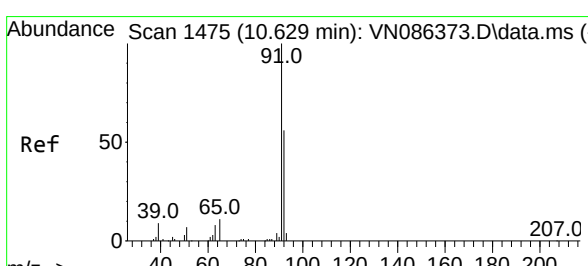
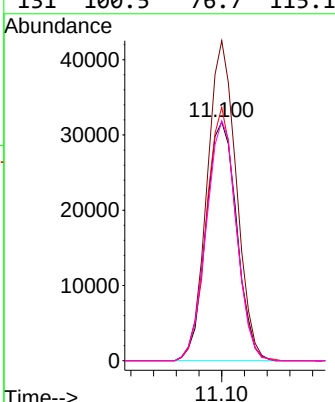
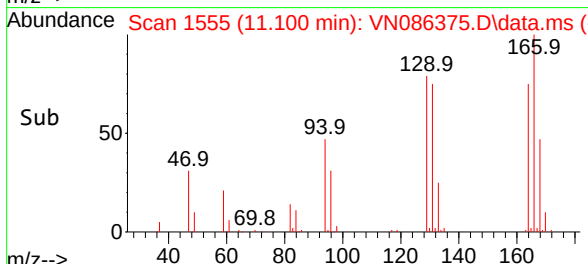
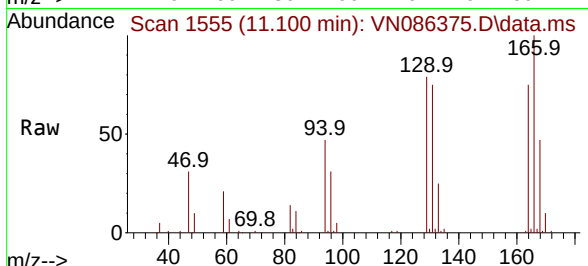
#61
 Tetrachloroethene
 Concen: 54.496 ug/l
 RT: 11.100 min Scan# 1555
 Delta R.T. 0.000 min
 Lab File: VN086375.D
 Acq: 23 Apr 2025 10:33

Instrument : MSVOA_N
 ClientSampleId : VSTDIC050

Tgt Ion:164 Resp: 5986

Ion	Ratio	Lower	Upper
164	100		
166	134.1	105.0	157.4
129	106.2	83.9	125.9
131	100.5	76.7	115.1

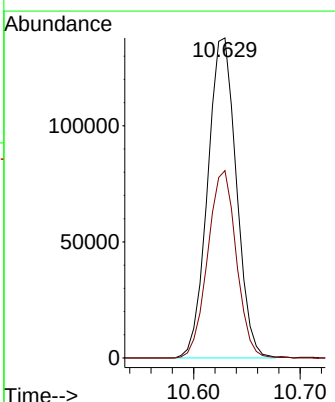
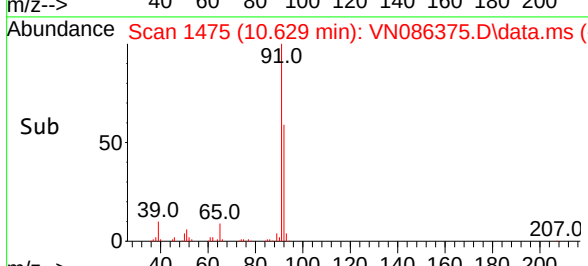
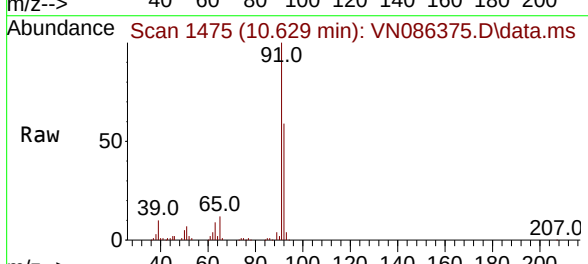
Manual Integrations
APPROVED
 Reviewed By :John Carlone 04/24/2025
 Supervised By :Mahesh Dadoda 04/25/2025

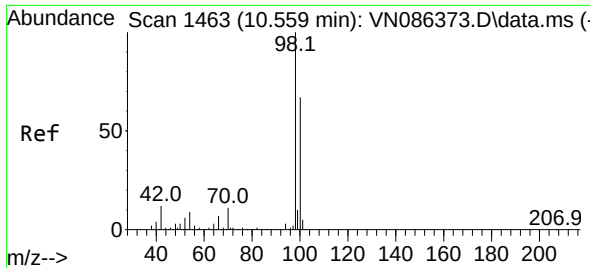


#62
 Toluene
 Concen: 53.565 ug/l
 RT: 10.629 min Scan# 1475
 Delta R.T. 0.000 min
 Lab File: VN086375.D
 Acq: 23 Apr 2025 10:33

Tgt Ion: 91 Resp: 258243

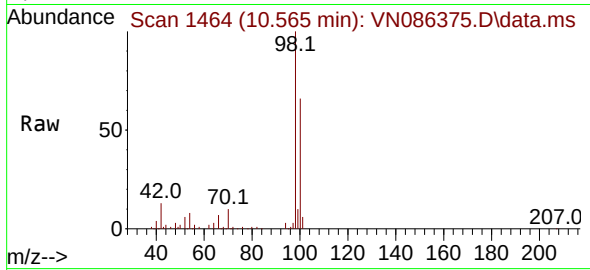
Ion	Ratio	Lower	Upper
91	100		
92	58.2	45.7	68.5





#63
Toluene-d8
Concen: 30.053 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. 0.006 min
Lab File: VN086375.D
Acq: 23 Apr 2025 10:33

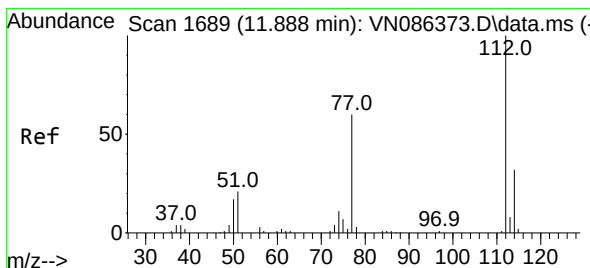
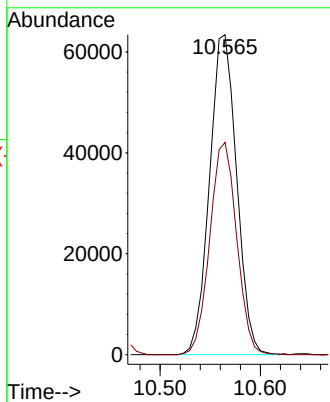
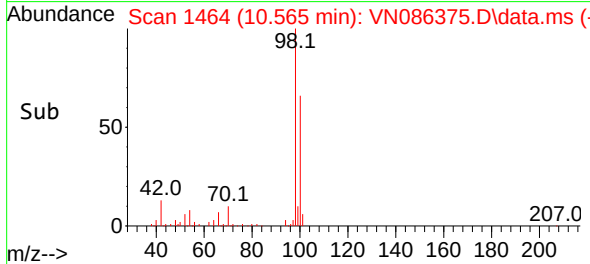
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050



Tgt Ion: 98 Resp: 119084
Ion Ratio Lower Upper
98 100
100 65.8 53.1 79.7

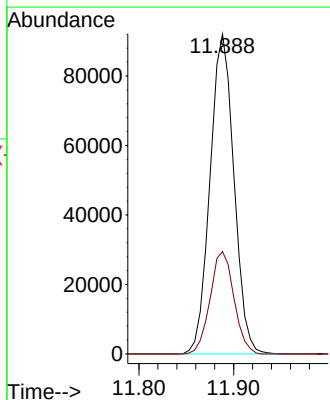
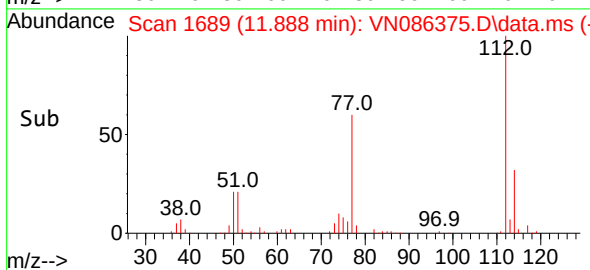
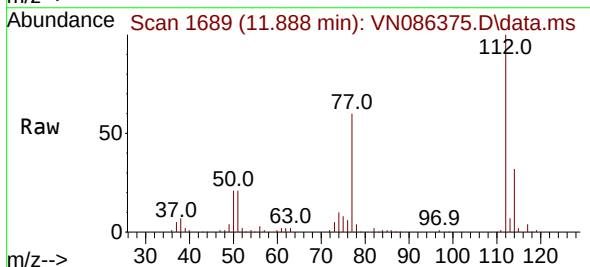
Manual Integrations
APPROVED

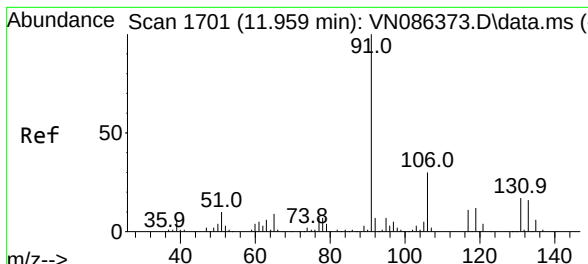
Reviewed By :John Carlone 04/24/2025
Supervised By :Mahesh Dadoda 04/25/2025



#64
Chlorobenzene
Concen: 53.774 ug/l
RT: 11.888 min Scan# 1689
Delta R.T. 0.000 min
Lab File: VN086375.D
Acq: 23 Apr 2025 10:33

Tgt Ion:112 Resp: 161540
Ion Ratio Lower Upper
112 100
114 32.0 25.6 38.4





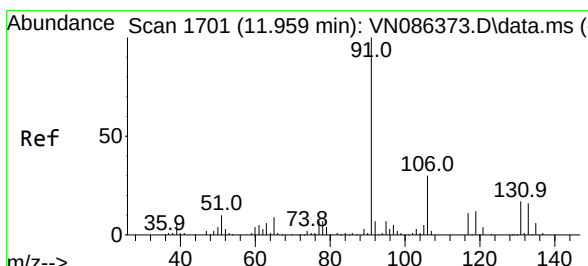
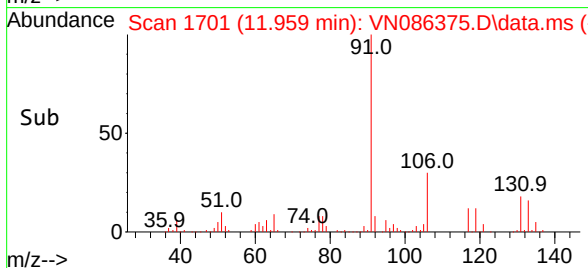
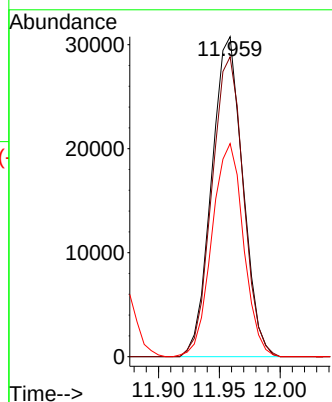
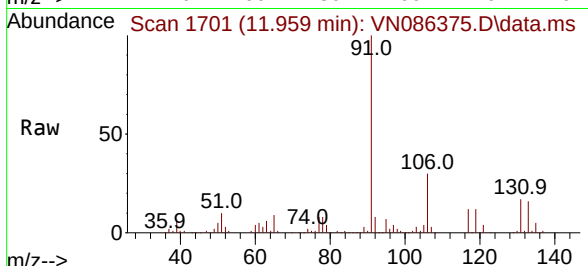
#65
1,1,1,2-Tetrachloroethane
Concen: 54.682 ug/l
RT: 11.959 min Scan# 1701
Delta R.T. 0.000 min
Lab File: VN086375.D
Acq: 23 Apr 2025 10:33

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

Tgt Ion:131 Resp: 5492
Ion Ratio Lower Upper
131 100
133 94.6 0.0 191.4
119 67.3 0.0 133.6

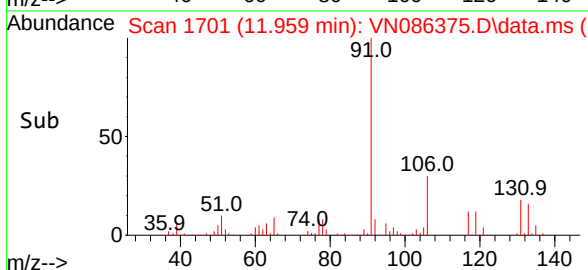
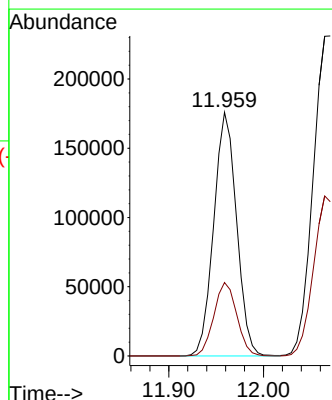
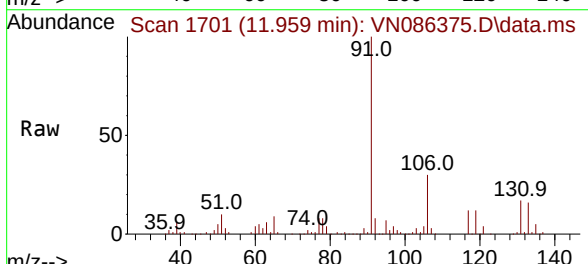
Manual Integrations
APPROVED

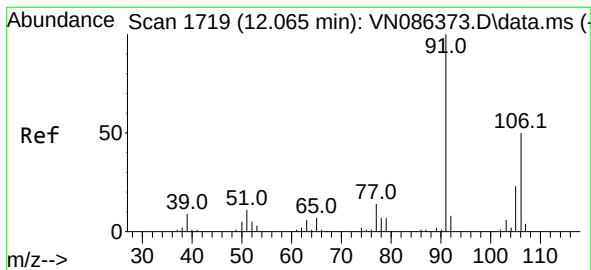
Reviewed By :John Carlone 04/24/2025
Supervised By :Mahesh Dadoda 04/25/2025



#66
Ethyl Benzene
Concen: 54.326 ug/l
RT: 11.959 min Scan# 1701
Delta R.T. 0.000 min
Lab File: VN086375.D
Acq: 23 Apr 2025 10:33

Tgt Ion: 91 Resp: 294809
Ion Ratio Lower Upper
91 100
106 30.2 24.3 36.5





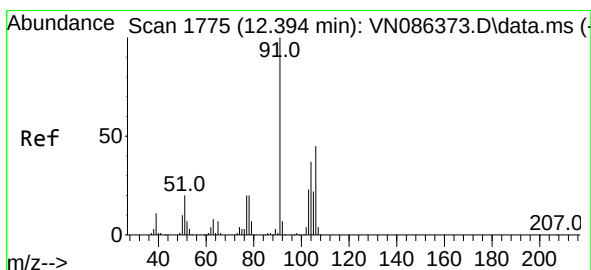
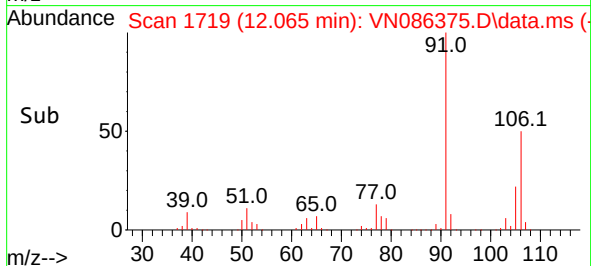
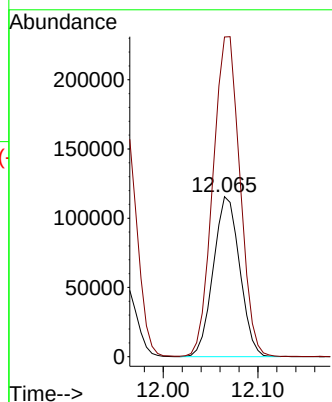
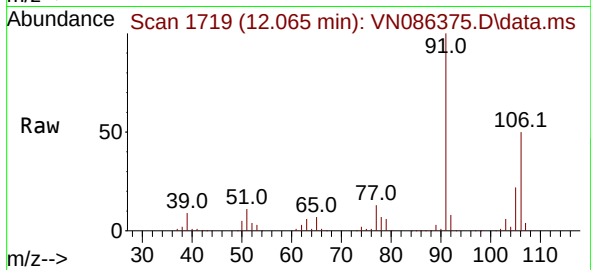
#67
m/p-Xylenes
Concen: 108.901 ug/l
RT: 12.065 min Scan# 1719
Delta R.T. 0.000 min
Lab File: VN086375.D
Acq: 23 Apr 2025 10:33

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

Tgt Ion:106 Resp: 22423
Ion Ratio Lower Upper
106 100
91 204.7 162.6 243.8

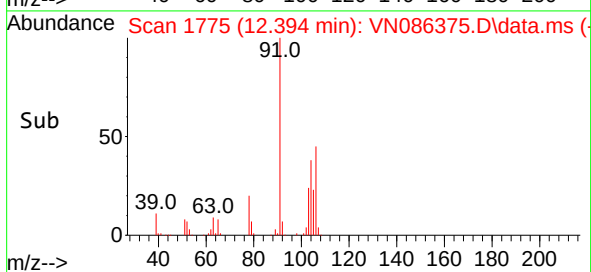
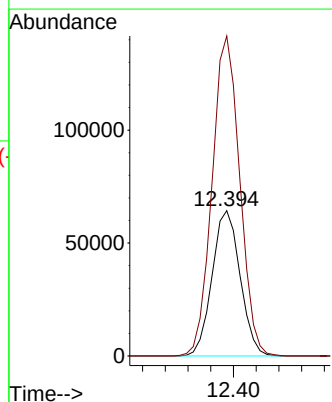
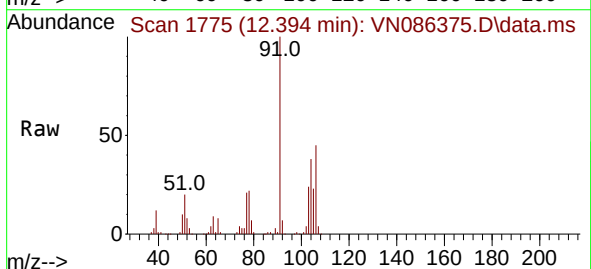
Manual Integrations
APPROVED

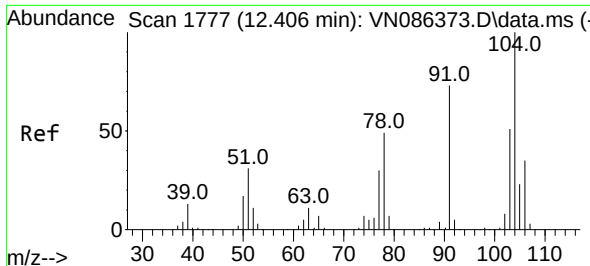
Reviewed By :John Carlone 04/24/2025
Supervised By :Mahesh Dadoda 04/25/2025



#68
o-Xylene
Concen: 54.562 ug/l
RT: 12.394 min Scan# 1775
Delta R.T. 0.000 min
Lab File: VN086375.D
Acq: 23 Apr 2025 10:33

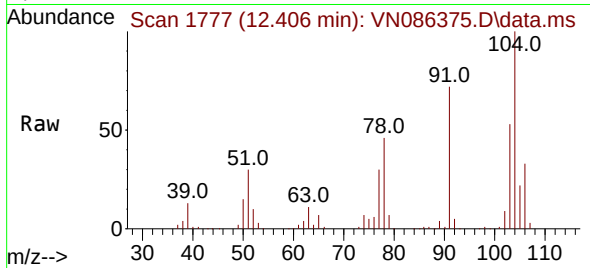
Tgt Ion:106 Resp: 110001
Ion Ratio Lower Upper
106 100
91 217.7 110.6 331.6





#69
Styrene
Concen: 53.376 ug/l
RT: 12.406 min Scan# 1777
Delta R.T. 0.000 min
Lab File: VN086375.D
Acq: 23 Apr 2025 10:33

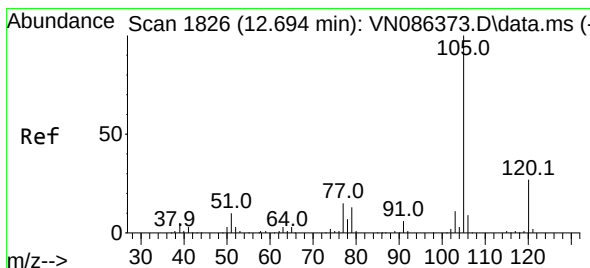
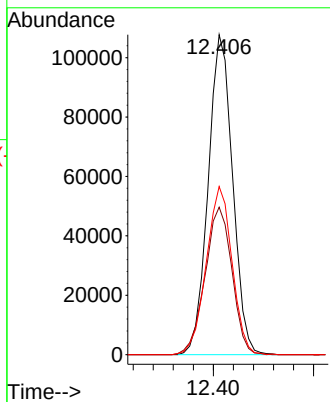
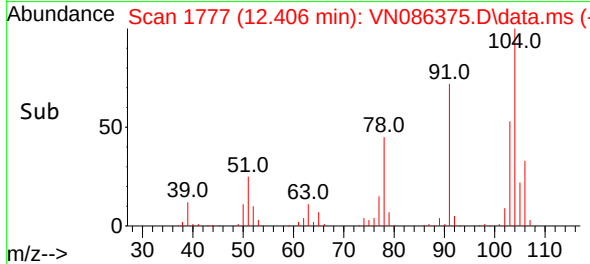
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050



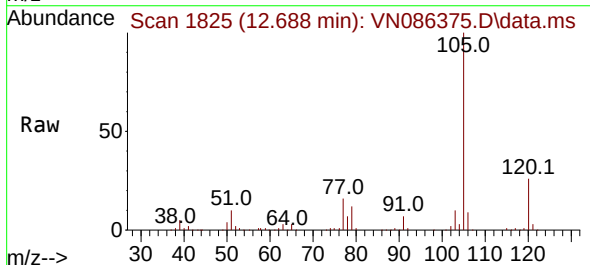
Tgt Ion:104 Resp: 182394
Ion Ratio Lower Upper
104 100
78 50.7 40.2 60.4
103 55.5 43.8 65.8

Manual Integrations
APPROVED

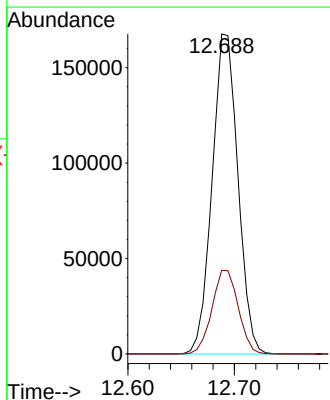
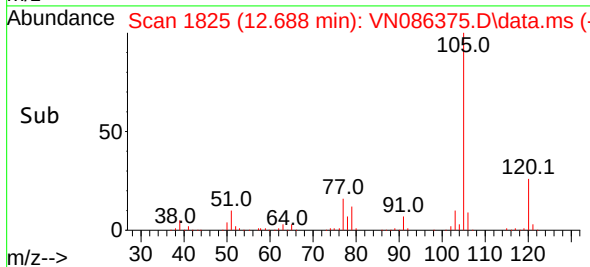
Reviewed By :John Carlone 04/24/2025
Supervised By :Mahesh Dadoda 04/25/2025

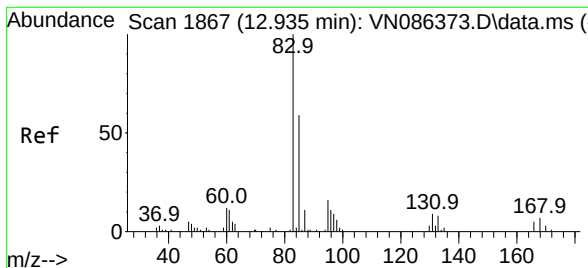


#70
Isopropylbenzene
Concen: 56.027 ug/l
RT: 12.688 min Scan# 1825
Delta R.T. -0.006 min
Lab File: VN086375.D
Acq: 23 Apr 2025 10:33



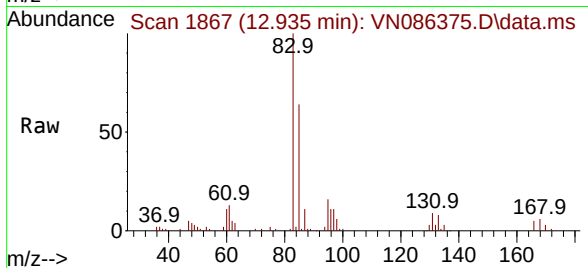
Tgt Ion:105 Resp: 281964
Ion Ratio Lower Upper
105 100
120 26.6 18.2 33.8





#71
1,1,2,2-Tetrachloroethane
Concen: 57.809 ug/l
RT: 12.935 min Scan# 1867
Delta R.T. 0.000 min
Lab File: VN086375.D
Acq: 23 Apr 2025 10:33

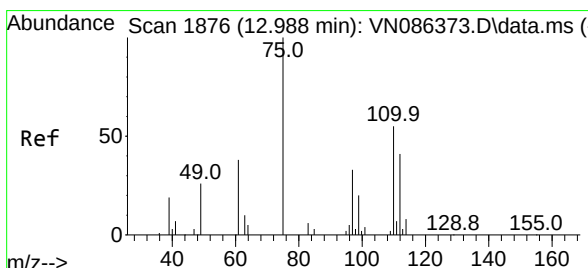
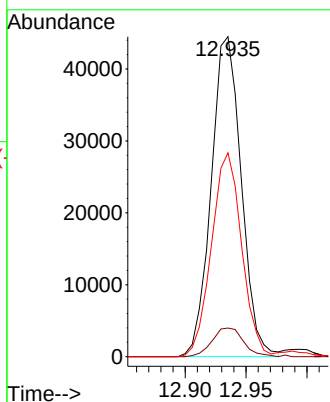
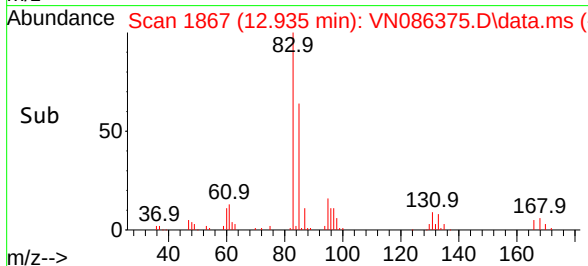
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050



Tgt Ion: 83 Resp: 76604
Ion Ratio Lower Upper
83 100
131 9.4 4.5 13.7
85 63.6 31.7 95.1

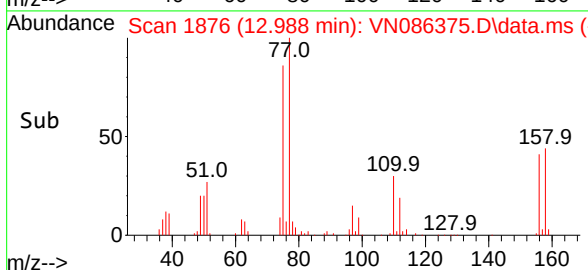
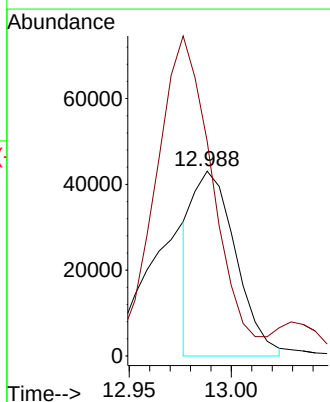
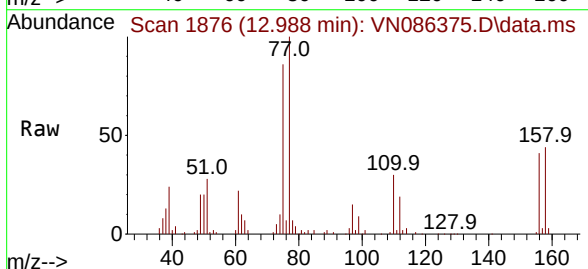
Manual Integrations
APPROVED

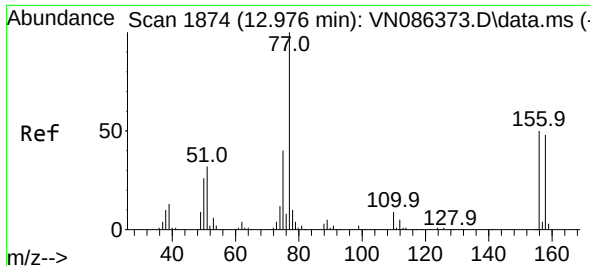
Reviewed By :John Carlone 04/24/2025
Supervised By :Mahesh Dadoda 04/25/2025



#72
1,2,3-Trichloropropane
Concen: 55.112 ug/l m
RT: 12.988 min Scan# 1876
Delta R.T. 0.000 min
Lab File: VN086375.D
Acq: 23 Apr 2025 10:33

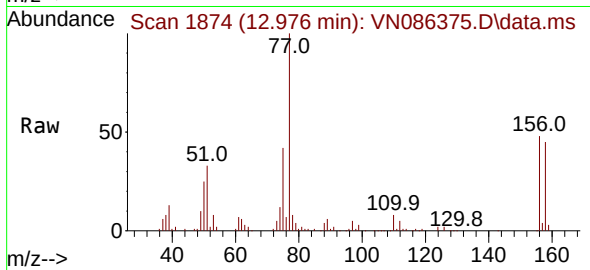
Tgt Ion: 75 Resp: 63282
Ion Ratio Lower Upper
75 100
77 230.3 0.0 464.4





#73
Bromobenzene
Concen: 53.539 ug/l
RT: 12.976 min Scan# 1874
Delta R.T. 0.000 min
Lab File: VN086375.D
Acq: 23 Apr 2025 10:33

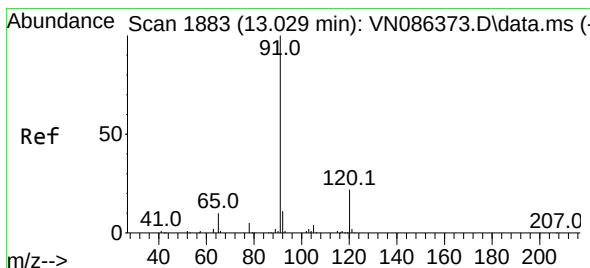
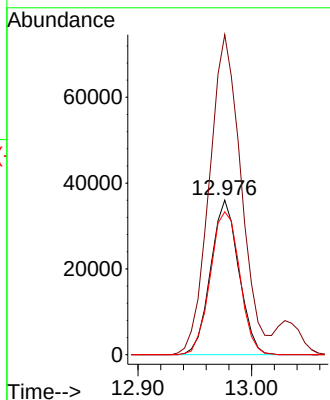
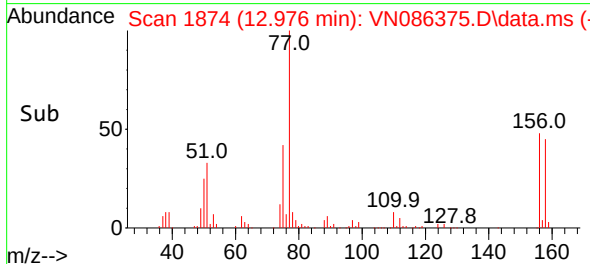
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050



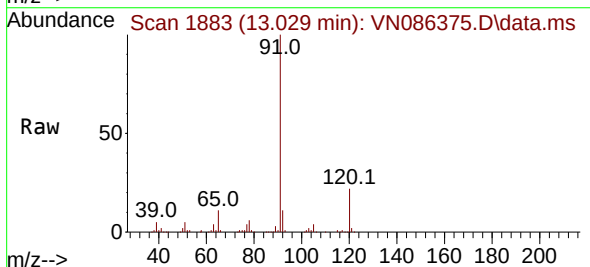
Tgt Ion:156 Resp: 61945
Ion Ratio Lower Upper
156 100
77 235.2 0.0 463.4
158 96.5 0.0 191.8

Manual Integrations
APPROVED

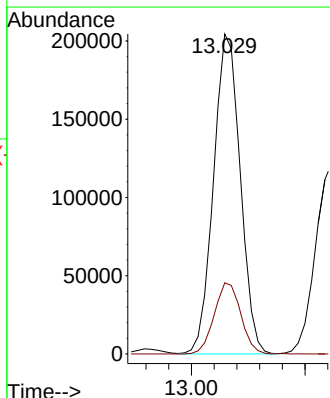
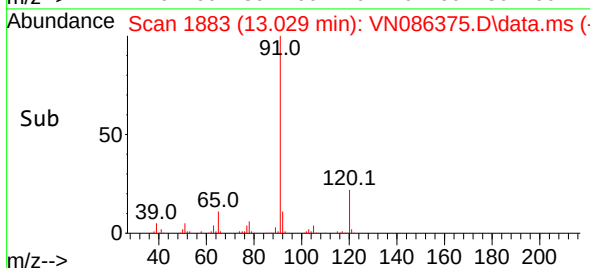
Reviewed By :John Carlone 04/24/2025
Supervised By :Mahesh Dadoda 04/25/2025

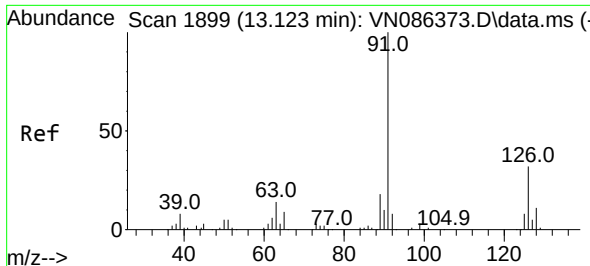


#74
n-propylbenzene
Concen: 55.868 ug/l
RT: 13.029 min Scan# 1883
Delta R.T. 0.000 min
Lab File: VN086375.D
Acq: 23 Apr 2025 10:33



Tgt Ion: 91 Resp: 334105
Ion Ratio Lower Upper
91 100
120 22.0 0.0 43.8





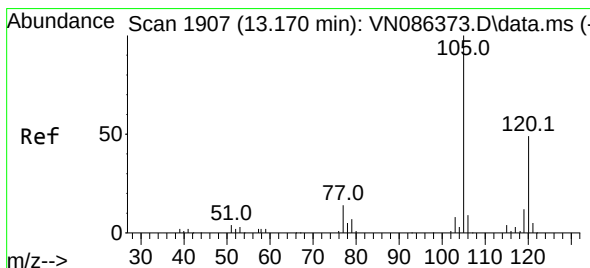
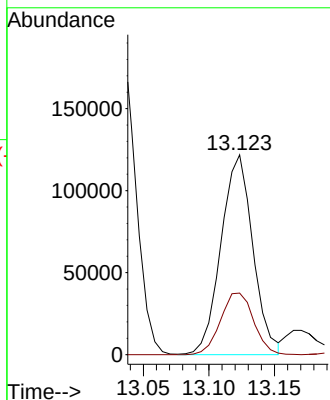
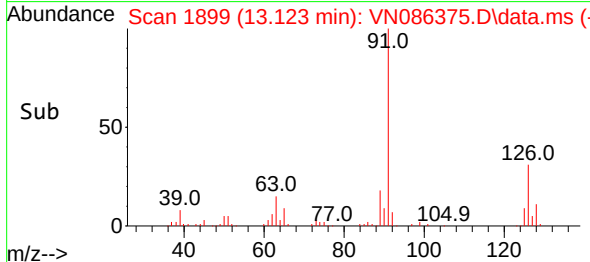
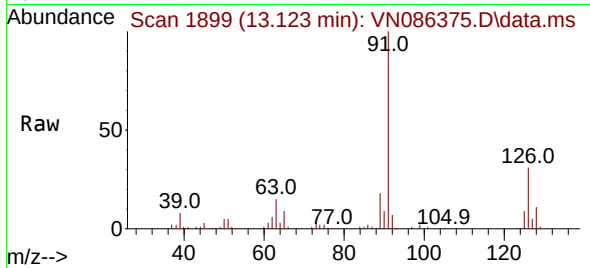
#75
2-Chlorotoluene
Concen: 55.313 ug/l
RT: 13.123 min Scan# 1899
Delta R.T. 0.000 min
Lab File: VN086375.D
Acq: 23 Apr 2025 10:33

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

Tgt Ion: 91 Resp: 206499
Ion Ratio Lower Upper
91 100
126 32.0 0.0 65.0

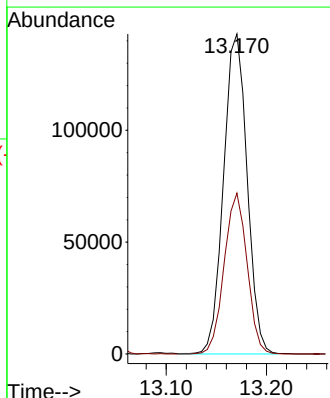
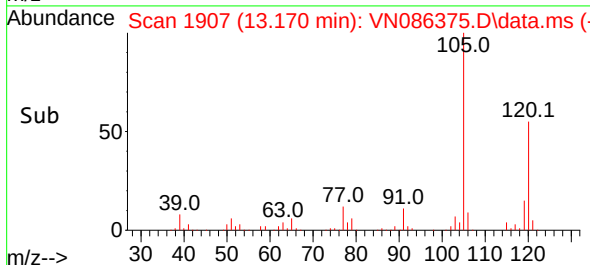
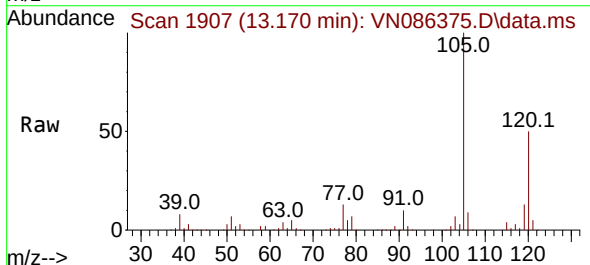
Manual Integrations
APPROVED

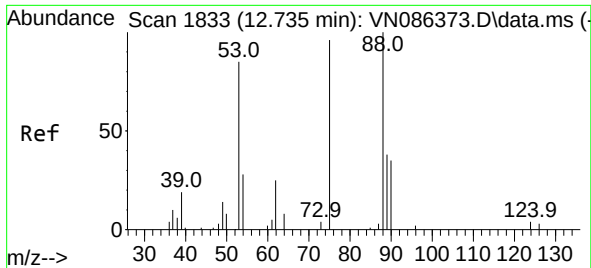
Reviewed By :John Carlone 04/24/2025
Supervised By :Mahesh Dadoda 04/25/2025



#76
1,3,5-Trimethylbenzene
Concen: 56.498 ug/l
RT: 13.170 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VN086375.D
Acq: 23 Apr 2025 10:33

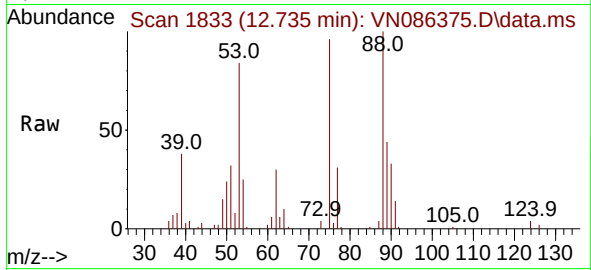
Tgt Ion:105 Resp: 233299
Ion Ratio Lower Upper
105 100
120 48.8 0.0 97.6





#77
t-1,4-Dichloro-2-butene
Concen: 54.702 ug/l
RT: 12.735 min Scan# 1833
Delta R.T. 0.000 min
Lab File: VN086375.D
Acq: 23 Apr 2025 10:33

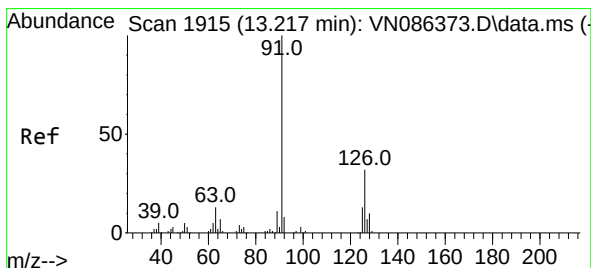
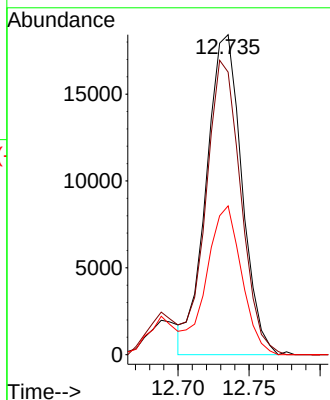
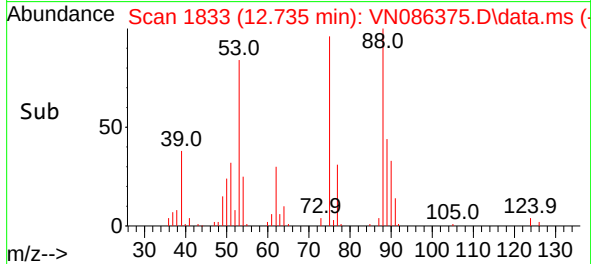
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050



Tgt Ion: 75 Resp: 32072
Ion Ratio Lower Upper
75 100
53 87.3 46.0 138.0
89 46.5 21.6 64.6

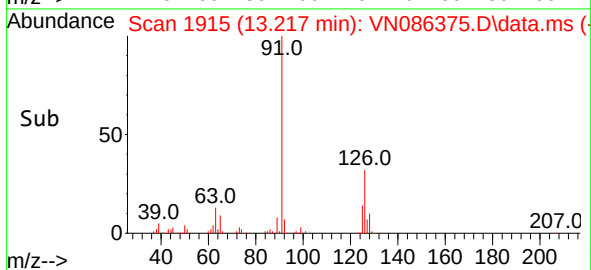
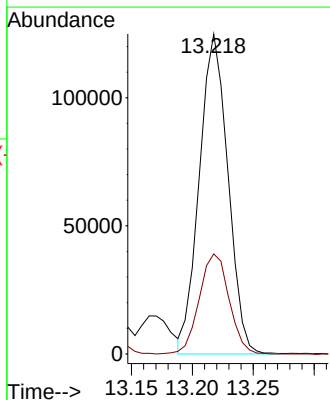
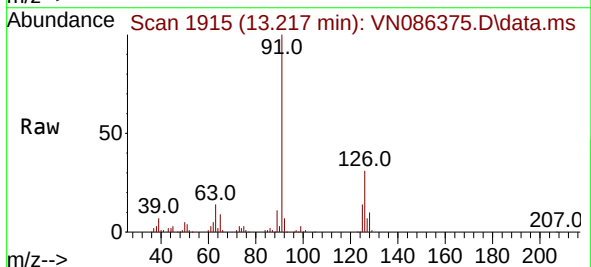
Manual Integrations
APPROVED

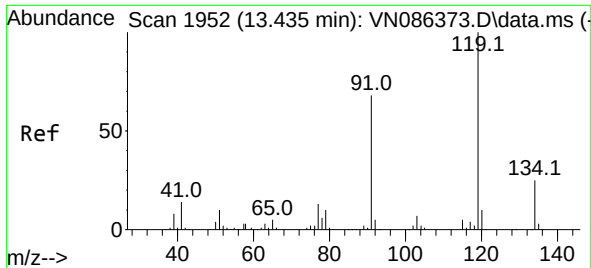
Reviewed By :John Carlone 04/24/2025
Supervised By :Mahesh Dadoda 04/25/2025



#78
4-Chlorotoluene
Concen: 54.621 ug/l
RT: 13.217 min Scan# 1915
Delta R.T. 0.000 min
Lab File: VN086375.D
Acq: 23 Apr 2025 10:33

Tgt Ion: 91 Resp: 203884
Ion Ratio Lower Upper
91 100
126 32.5 0.0 65.4





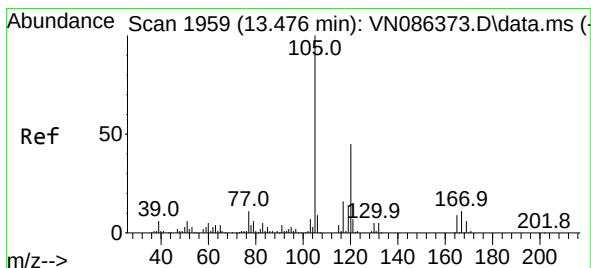
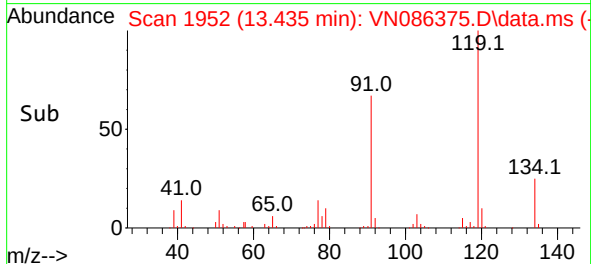
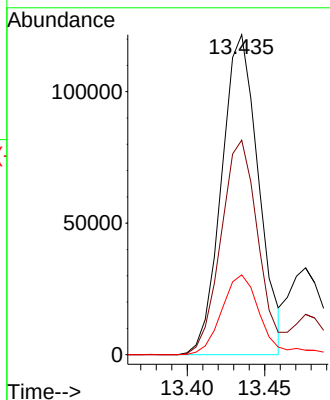
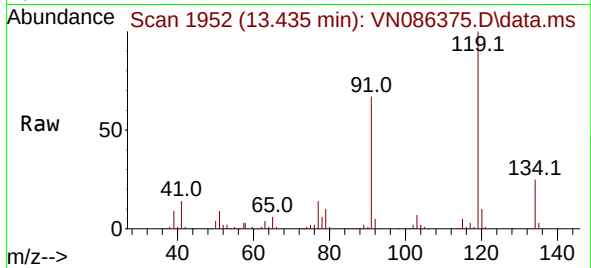
#79
tert-butylbenzene
Concen: 57.009 ug/l
RT: 13.435 min Scan# 1952
Delta R.T. 0.000 min
Lab File: VN086375.D
Acq: 23 Apr 2025 10:33

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

Tgt Ion:119 Resp: 20161
Ion Ratio Lower Upper
119 100
91 68.2 0.0 137.4
134 25.0 0.0 49.2

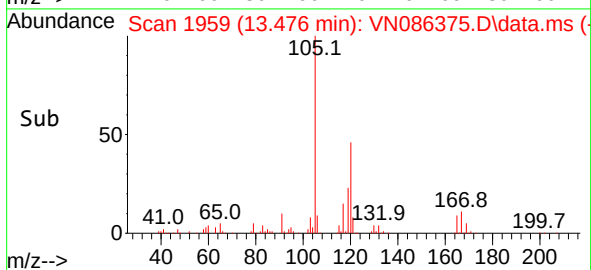
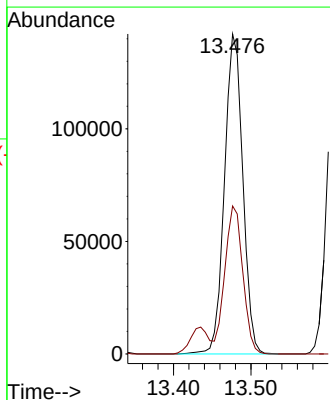
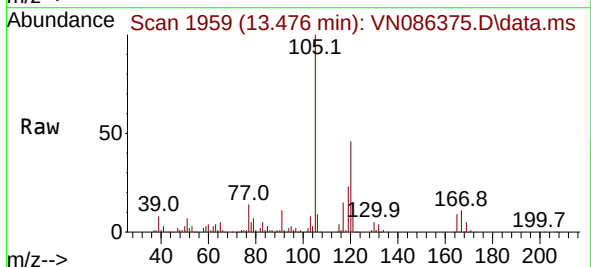
Manual Integrations
APPROVED

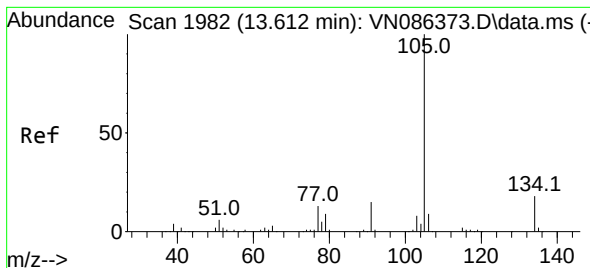
Reviewed By :John Carlone 04/24/2025
Supervised By :Mahesh Dadoda 04/25/2025



#80
1,2,4-Trimethylbenzene
Concen: 55.375 ug/l
RT: 13.476 min Scan# 1959
Delta R.T. 0.000 min
Lab File: VN086375.D
Acq: 23 Apr 2025 10:33

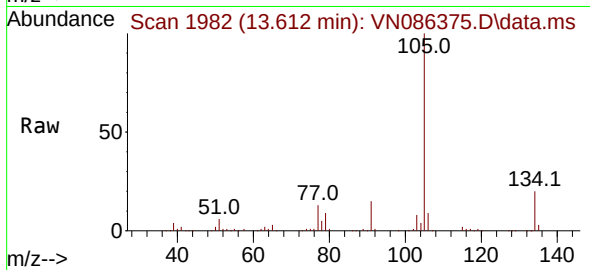
Tgt Ion:105 Resp: 233526
Ion Ratio Lower Upper
105 100
120 45.2 0.0 87.6





#81
 sec-Butylbenzene
 Concen: 55.631 ug/l
 RT: 13.612 min Scan# 1982
 Delta R.T. 0.000 min
 Lab File: VN086375.D
 Acq: 23 Apr 2025 10:33

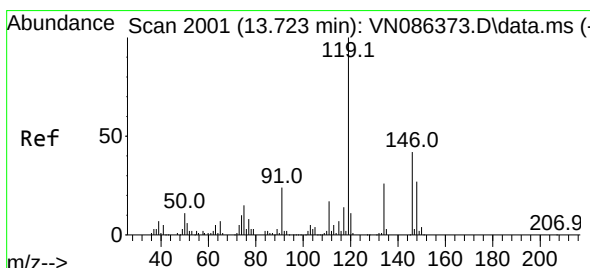
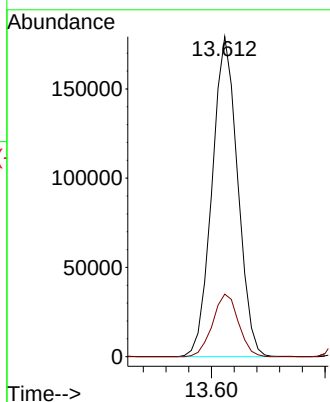
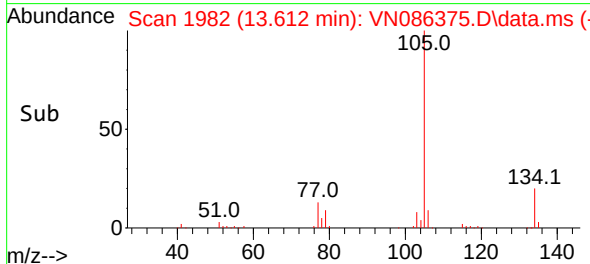
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC050



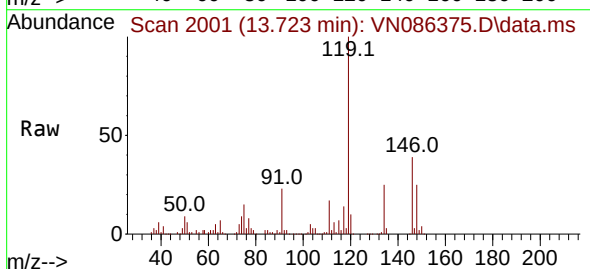
Tgt Ion:105 Resp: 280834
 Ion Ratio Lower Upper
 105 100
 134 19.7 0.0 38.4

Manual Integrations
 APPROVED

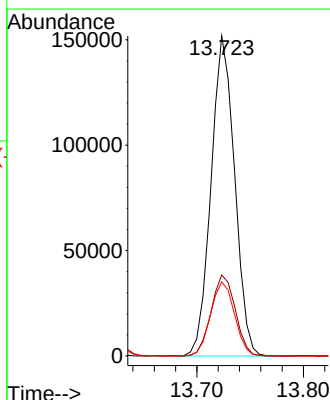
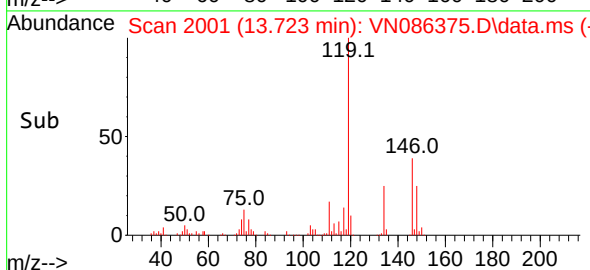
Reviewed By :John Carlone 04/24/2025
 Supervised By :Mahesh Dadoda 04/25/2025

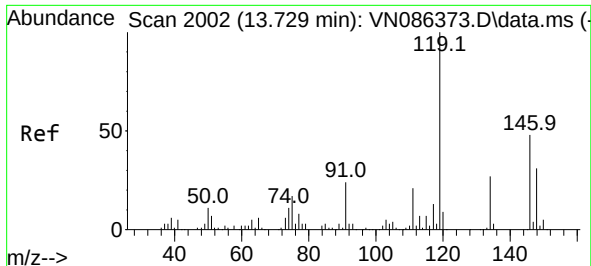


#82
 p-Isopropyltoluene
 Concen: 55.157 ug/l
 RT: 13.723 min Scan# 2001
 Delta R.T. 0.000 min
 Lab File: VN086375.D
 Acq: 23 Apr 2025 10:33



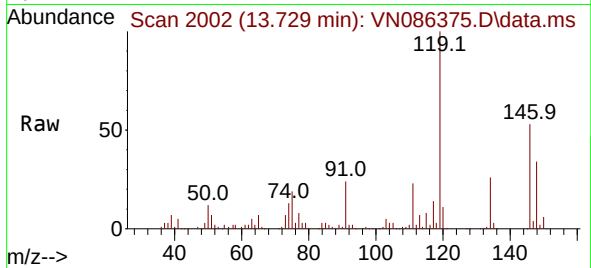
Tgt Ion:119 Resp: 232995
 Ion Ratio Lower Upper
 119 100
 134 25.9 0.0 52.2
 91 23.5 0.0 47.6





#83
1,3-Dichlorobenzene
Concen: 53.893 ug/l
RT: 13.729 min Scan# 2002
Delta R.T. 0.000 min
Lab File: VN086375.D
Acq: 23 Apr 2025 10:33

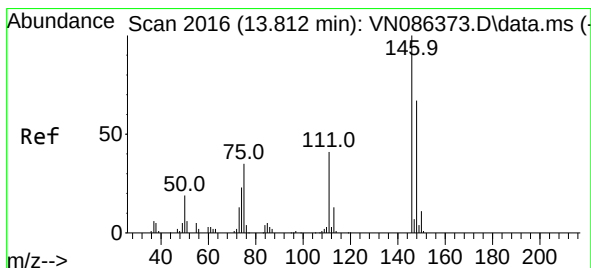
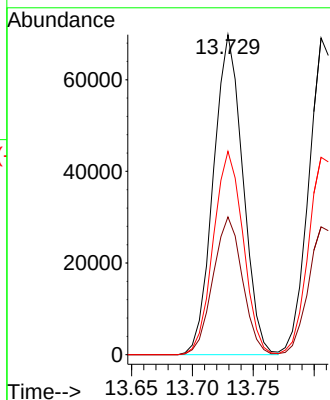
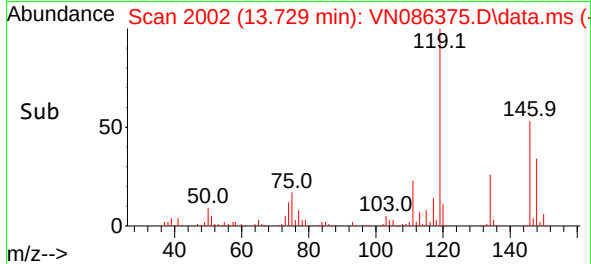
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC050



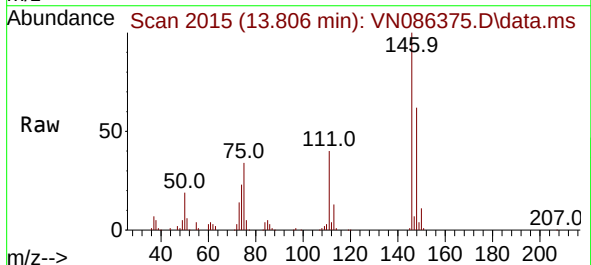
Tgt Ion:146 Resp: 117870
Ion Ratio Lower Upper
146 100
111 42.9 20.7 62.1
148 64.1 32.3 96.8

Manual Integrations
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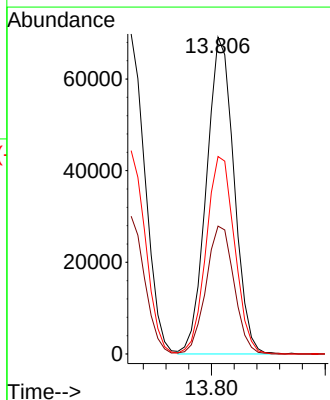
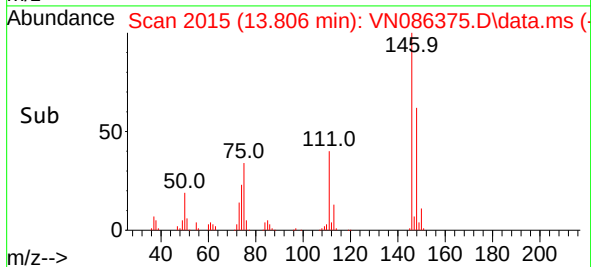
Reviewed By :John Carlone 04/24/2025
Supervised By :Mahesh Dadoda 04/25/2025

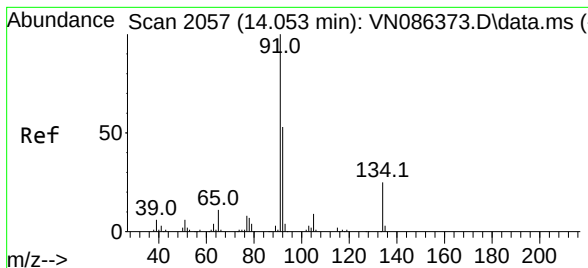


#84
1,4-Dichlorobenzene
Concen: 54.033 ug/l
RT: 13.806 min Scan# 2015
Delta R.T. -0.006 min
Lab File: VN086375.D
Acq: 23 Apr 2025 10:33



Tgt Ion:146 Resp: 116761
Ion Ratio Lower Upper
146 100
111 40.4 20.3 60.8
148 64.3 32.4 97.2





#85

n-Butylbenzene

Concen: 52.839 ug/l

RT: 14.053 min Scan# 2057

Delta R.T. 0.000 min

Lab File: VN086375.D

Acq: 23 Apr 2025 10:33

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC050

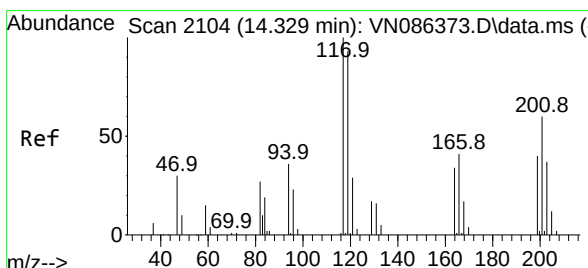
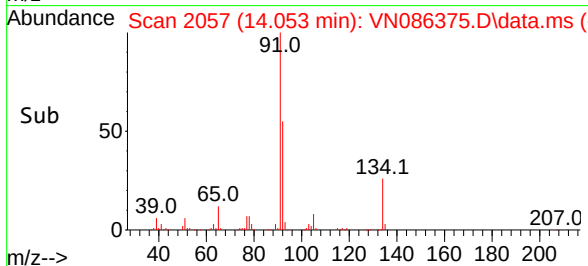
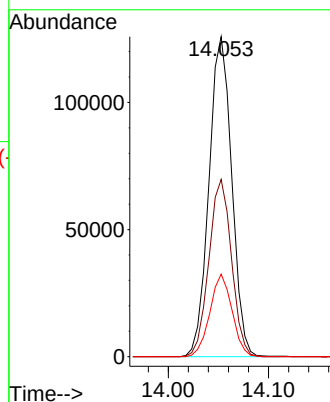
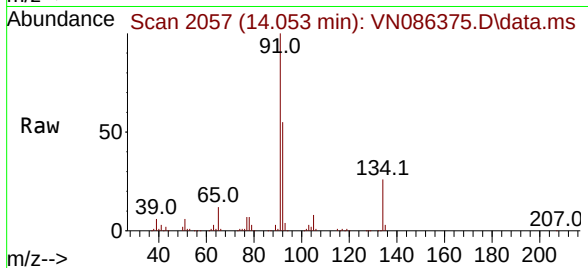
Tgt Ion:	91	Resp:	19916
Ion Ratio	Lower	Upper	
91	100		
92	54.9	0.0	107.2
134	25.0	0.0	48.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 04/24/2025

Supervised By :Mahesh Dadoda 04/25/2025



#86

Hexachloroethane

Concen: 54.128 ug/l

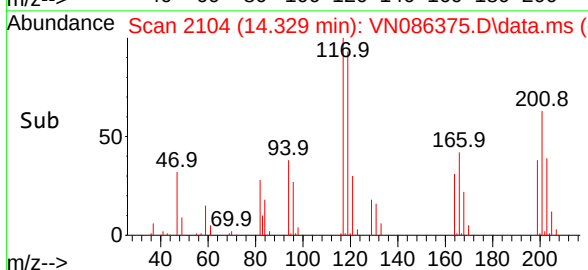
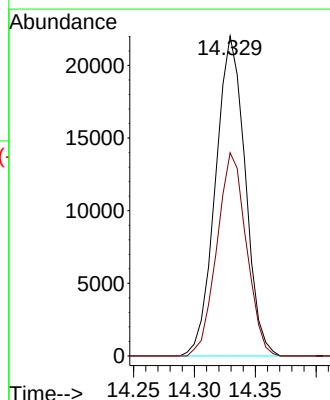
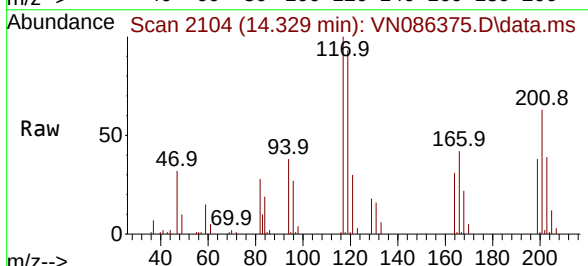
RT: 14.329 min Scan# 2104

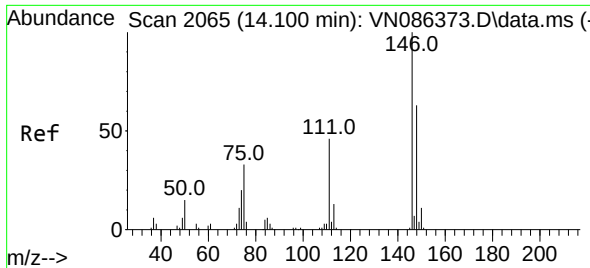
Delta R.T. 0.000 min

Lab File: VN086375.D

Acq: 23 Apr 2025 10:33

Tgt Ion:	117	Resp:	37387
Ion Ratio	Lower	Upper	
117	100		
201	63.1	31.7	95.1





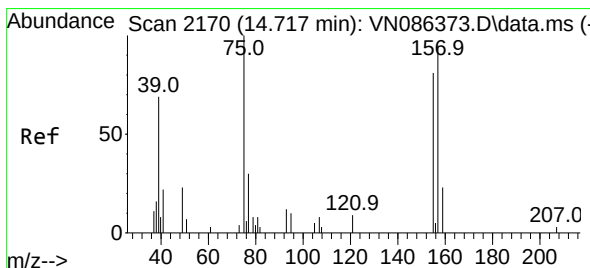
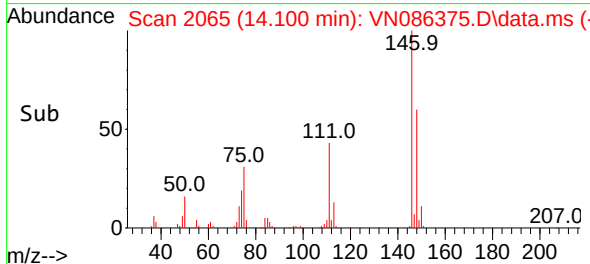
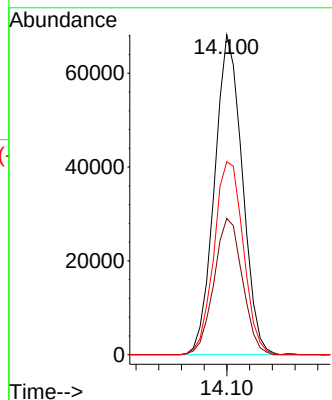
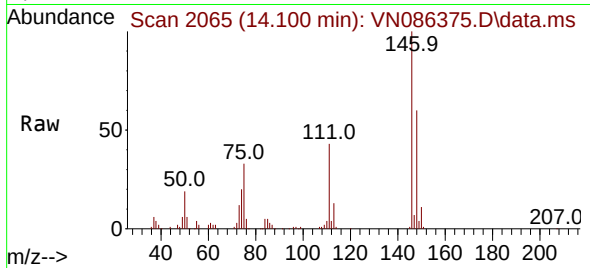
#87
1,2-Dichlorobenzene
Concen: 55.635 ug/l
RT: 14.100 min Scan# 2065
Delta R.T. 0.000 min
Lab File: VN086375.D
Acq: 23 Apr 2025 10:33

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

Tgt Ion:146 Resp: 115779
Ion Ratio Lower Upper
146 100
111 43.6 22.1 66.3
148 63.8 32.0 96.0

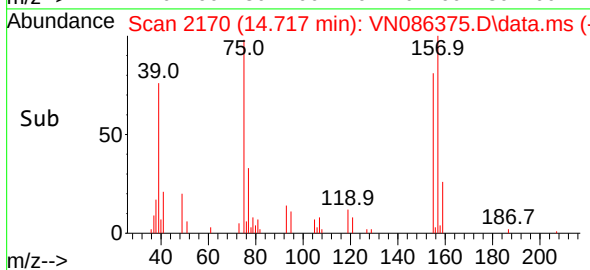
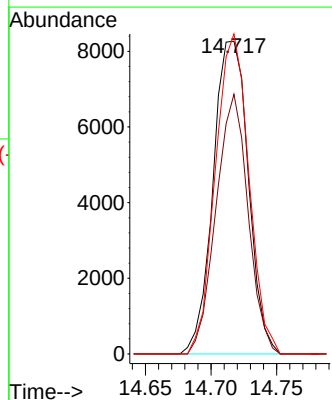
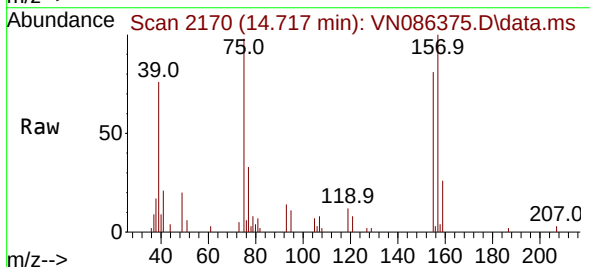
Manual Integrations
APPROVED

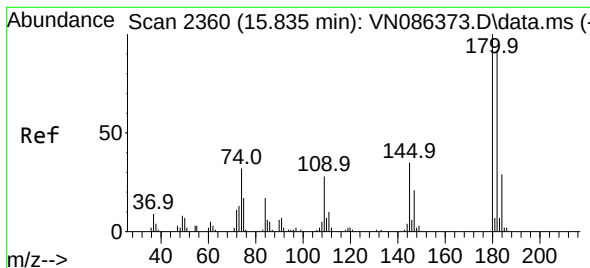
Reviewed By :John Carlone 04/24/2025
Supervised By :Mahesh Dadoda 04/25/2025



#88
1,2-Dibromo-3-Chloropropane
Concen: 57.172 ug/l
RT: 14.717 min Scan# 2170
Delta R.T. 0.000 min
Lab File: VN086375.D
Acq: 23 Apr 2025 10:33

Tgt Ion: 75 Resp: 15399
Ion Ratio Lower Upper
75 100
155 75.6 64.0 96.0
157 97.3 78.2 117.4





#89

1,2,4-Trichlorobenzene

Concen: 54.896 ug/l

RT: 15.835 min Scan# 2360

Delta R.T. 0.000 min

Lab File: VN086375.D

Acq: 23 Apr 2025 10:33

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC050

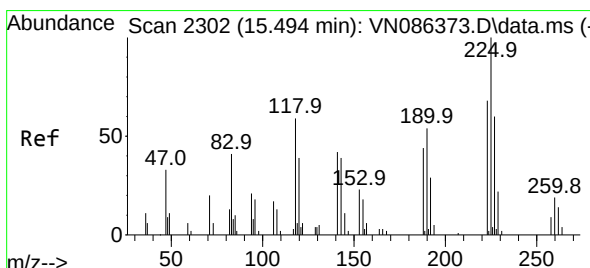
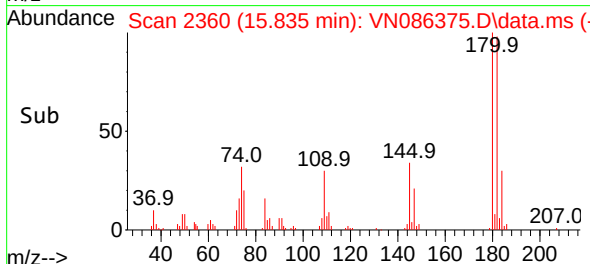
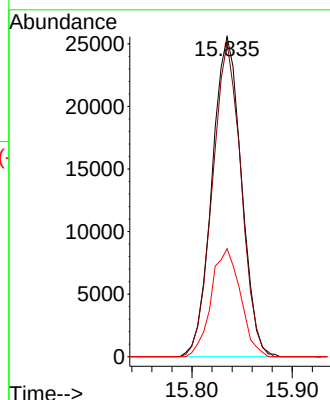
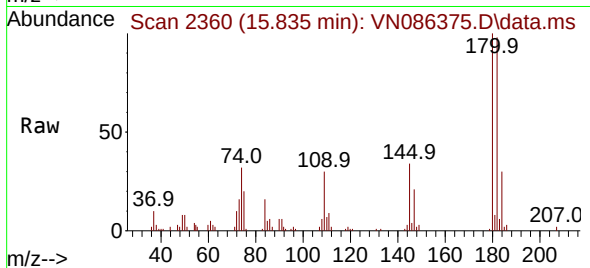
Tgt Ion:180	Resp:	5206
Ion Ratio	Lower	Upper
180	100	
182	95.7	74.8 112.2
145	33.5	26.9 40.3

Manual Integrations

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Reviewed By :John Carlone 04/24/2025

Supervised By :Mahesh Dadoda 04/25/2025



#90

Hexachlorobutadiene

Concen: 55.000 ug/l

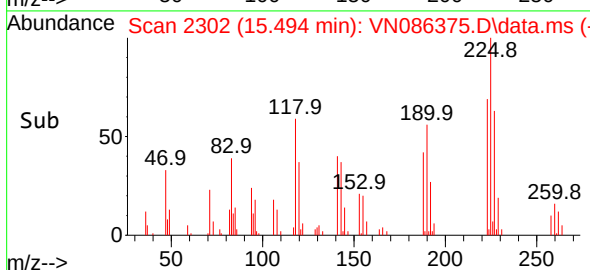
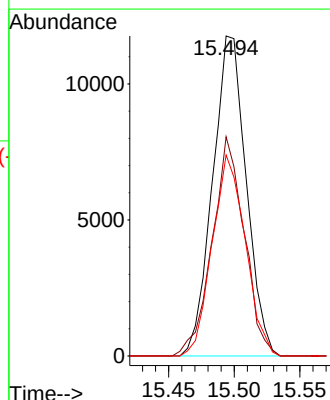
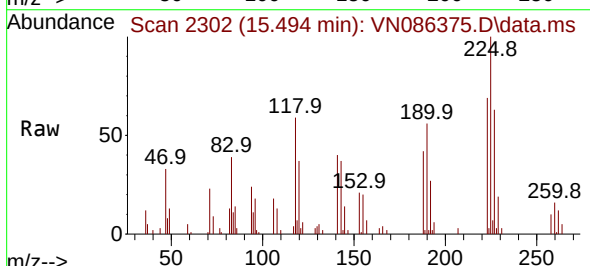
RT: 15.494 min Scan# 2302

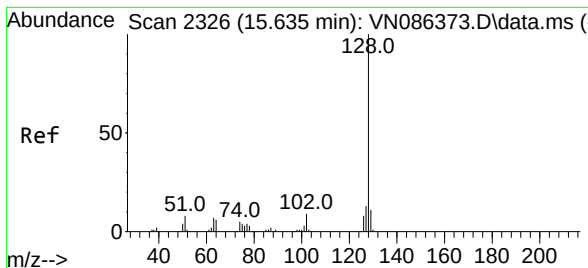
Delta R.T. 0.000 min

Lab File: VN086375.D

Acq: 23 Apr 2025 10:33

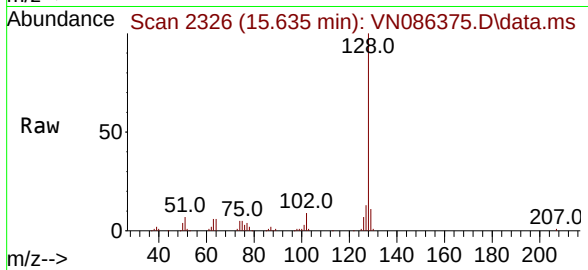
Tgt Ion:225	Resp:	21013
Ion Ratio	Lower	Upper
225	100	
223	65.3	0.0 128.8
227	61.7	0.0 120.2





#91
Naphthalene
Concen: 55.500 ug/l
RT: 15.635 min Scan# 2326
Delta R.T. 0.000 min
Lab File: VN086375.D
Acq: 23 Apr 2025 10:33

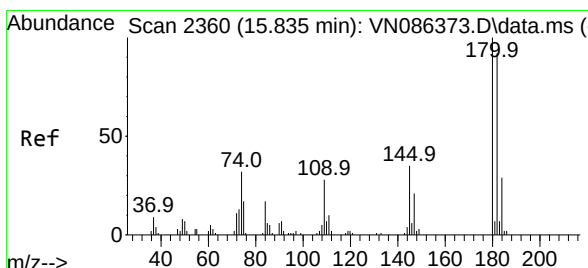
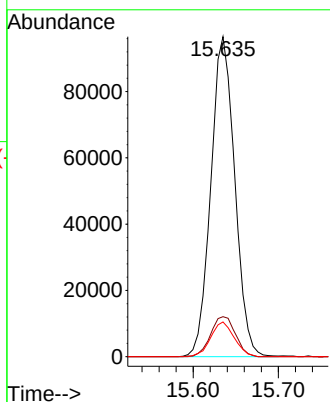
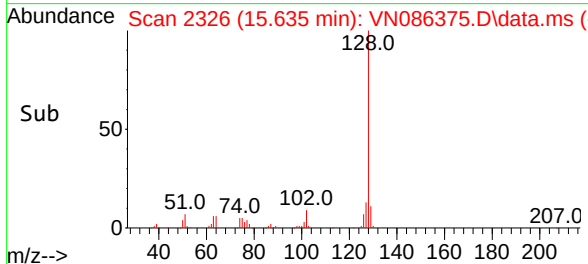
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC050



Tgt Ion:128 Resp: 188462
Ion Ratio Lower Upper
128 100
127 13.0 10.6 15.8
129 10.7 8.7 13.1

Manual Integrations
APPROVED

Reviewed By :John Carlone 04/24/2025
Supervised By :Mahesh Dadoda 04/25/2025



#92
1,2,3-Trichlorobenzene
Concen: 54.896 ug/l
RT: 15.835 min Scan# 2360
Delta R.T. 0.000 min
Lab File: VN086375.D
Acq: 23 Apr 2025 10:33

Tgt Ion:180 Resp: 52068
Ion Ratio Lower Upper
180 100
182 95.7 0.0 187.0
145 33.5 0.0 67.2

