

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN021523\
 Data File : VN076676.D
 Acq On : 15 Feb 2023 10:24
 Operator : JC\MD
 Sample : VSTDIC005
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

Reviewed By :John
 Carlone

02/16/2023
 Supervised By :Mahesh
 Dadoda

Quant Time: Feb 15 11:45:29 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N021523W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Feb 15 11:41:11 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	7.819	128	31159	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.107	114	219010	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.865	117	240062	30.000	ug/l	0.00

System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.583	65	92177	25.100	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	83.667%#
60) 4-Bromofluorobenzene	12.854	95	123426	22.774	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	75.900%
63) Toluene-d8	10.571	98	261839	29.705	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	99.033%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.137	85	17055	3.955	ug/l	98
3) Chloromethane	2.378	50	24193	4.665	ug/l	100
4) Vinyl Chloride	2.531	62	24989	5.519	ug/l	95
5) Bromomethane	2.954	94	19516	8.586	ug/l	93
6) Chloroethane	3.125	64	16714	6.408	ug/l	92
7) Trichlorofluoromethane	3.507	101	31545	4.103	ug/l	93
8) Diethyl Ether	3.972	74	11735	4.812	ug/l	89
9) 1,1,2-Trichlorotrifluo...	4.384	101	19428m	5.249	ug/l	
10) 1,1-Dichloroethene	4.342	96	18164m	5.223	ug/l	
11) Methyl Iodide	4.601	142	18267	3.615	ug/l #	79
12) Methyl Acetate	5.042	43	36426	4.991	ug/l #	89
13) Acrolein	4.189	56	23129	24.742	ug/l	100
14) Acrylonitrile	5.731	53	53042	24.806	ug/l	93
15) Acetone	4.448	58	17123m	27.735	ug/l	
16) Carbon Disulfide	4.725	76	50213	5.253	ug/l	99
17) Allyl chloride	5.042	41	32935	4.912	ug/l	97
18) Methylene Chloride	5.278	84	23629m	5.742	ug/l	
19) trans-1,2-Dichloroethene	5.801	96	20220m	5.659	ug/l	
20) Diisopropyl ether	6.683	45	72578	4.742	ug/l	92
21) 1,1-Dichloroethane	6.572	63	40405m	4.841	ug/l	
22) cis-1,2-Dichloroethene	7.495	96	21517	5.026	ug/l #	91
23) tert-Butyl Alcohol	5.525	59	14574m	20.312	ug/l	
24) Methyl tert-Butyl Ether	5.801	73	57417	4.584	ug/l #	81
25) Chloroform	7.972	83	36279	4.393	ug/l	96
26) Cyclohexane	8.260	56	32581	4.399	ug/l #	93
29) 1,1-Dichloropropene	8.377	75	27095	4.780	ug/l	97
30) 2-Butanone	7.495	43	76573	25.024	ug/l #	58
31) 2,2-Dichloropropane	7.507	77	28708m	4.877	ug/l	
32) 1,1,1-Trichloroethane	8.177	97	32610	4.636	ug/l	96
33) Carbon Tetrachloride	8.366	117	27118	4.469	ug/l #	91
34) Benzene	8.613	78	91290	5.241	ug/l #	96
35) Methacrylonitrile	7.783	41	17709	5.033	ug/l	96
36) 1,2-Dichloroethane	8.677	62	30248	4.528	ug/l	99
37) Trichloroethene	9.354	130	20713	5.808	ug/l	95
38) Methylcyclohexane	9.607	83	32973	5.255	ug/l	90
39) 1,2-Dichloropropane	9.624	63	24448	5.881	ug/l #	85
40) Dibromomethane	9.713	93	14769	5.401	ug/l	98
41) Bromodichloromethane	9.889	83	29454	5.123	ug/l	98
42) Vinyl Acetate	6.613	43	213381	21.439	ug/l	98

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 Sample : VSTDICC005
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
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 ClientSampleId :
 VSTDICC005

Manual Integrations
 APPROVED

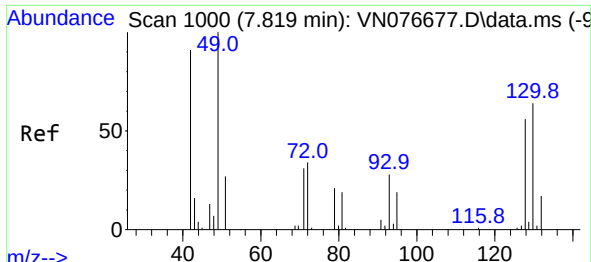
Reviewed By :John
 Carlone

02/16/2023
 Supervised By :Mahesh
 Dadoda

Quant Time: Feb 15 11:45:29 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N021523W.M
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 QLast Update : Wed Feb 15 11:41:11 2023
 Response via : Initial Calibration

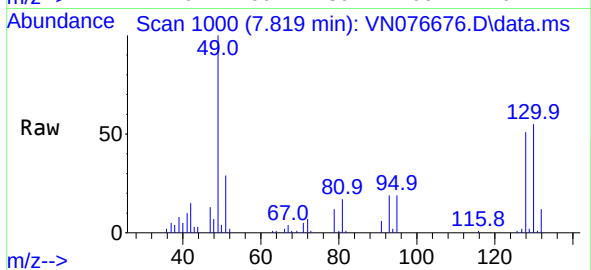
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	7.572	43	29441	4.718	ug/l	100
44) Isopropyl Acetate	8.689	43	47692	4.647	ug/l	99
45) 1,4-Dioxane	9.701	88	8468	101.211	ug/l #	94
46) Methyl methacrylate	9.683	41	21205	4.285	ug/l	82
47) n-amyl Acetate	12.495	43	38392	4.401	ug/l	98
48) t-1,3-Dichloropropene	10.836	75	27120	4.686	ug/l	99
49) cis-1,3-Dichloropropene	10.319	75	32433	5.069	ug/l	94
50) 1,1,2-Trichloroethane	11.018	97	21858	5.886	ug/l	94
51) Ethyl methacrylate	10.877	69	27889	4.729	ug/l	88
52) 1,3-Dichloropropane	11.166	76	37057	5.353	ug/l	100
53) Dibromochloromethane	11.366	129	20991	5.439	ug/l	95
54) 1,2-Dibromoethane	11.477	107	19800	5.269	ug/l	98
55) 2-Chloroethyl vinyl ether	10.160	63	64392	23.905	ug/l	97
56) Bromoform	12.583	173	13876	5.583	ug/l #	85
58) 4-Methyl-2-Pentanone	10.448	43	151398	22.560	ug/l	98
59) 2-Hexanone	11.201	43	109298	22.400	ug/l	97
61) Tetrachloroethene	11.107	164	17679	5.761	ug/l	86
62) Toluene	10.636	91	95325	5.356	ug/l	97
64) Chlorobenzene	11.895	112	55473	5.380	ug/l	95
65) 1,1,1,2-Tetrachloroethane	11.965	131	20414	5.223	ug/l	95
66) Ethyl Benzene	11.965	91	94925	4.865	ug/l	96
67) m/p-Xylenes	12.077	106	72275	9.872	ug/l	97
68) o-Xylene	12.401	106	36137	5.010	ug/l	100
69) Styrene	12.413	104	55261	4.827	ug/l	96
70) Isopropylbenzene	12.695	105	87194	4.511	ug/l	98
71) 1,1,2,2-Tetrachloroethane	12.942	83	31363	4.654	ug/l	99
72) 1,2,3-Trichloropropane	12.995	75	25770m	4.187	ug/l	
73) Bromobenzene	12.983	156	19759	4.308	ug/l	87
74) n-propylbenzene	13.036	91	106920	4.313	ug/l	97
75) 2-Chlorotoluene	13.130	91	66376	4.257	ug/l	97
76) 1,3,5-Trimethylbenzene	13.171	105	73311	4.062	ug/l	100
77) t-1,4-Dichloro-2-butene	12.742	75	8228	4.432	ug/l	96
78) 4-Chlorotoluene	13.224	91	61693	3.935	ug/l	98
79) tert-butylbenzene	13.436	119	64783	4.229	ug/l	98
80) 1,2,4-Trimethylbenzene	13.489	105	71169	3.998	ug/l	99
81) sec-Butylbenzene	13.618	105	89473	4.171	ug/l	97
82) p-Isopropyltoluene	13.736	119	71609	4.155	ug/l	97
83) 1,3-Dichlorobenzene	13.736	146	39918	4.706	ug/l	98
84) 1,4-Dichlorobenzene	13.812	146	38268	4.522	ug/l	99
85) n-Butylbenzene	14.059	91	57896	3.617	ug/l	99
86) Hexachloroethane	14.342	117	15495	4.630	ug/l	99
87) 1,2-Dichlorobenzene	14.112	146	39598	4.252	ug/l	99
88) 1,2-Dibromo-3-Chloropr...	14.724	75	5294	3.854	ug/l	96
89) 1,2,4-Trichlorobenzene	15.395	180	16755	4.314	ug/l	93
90) Hexachlorobutadiene	15.501	225	9495	5.061	ug/l	91
91) Naphthalene	15.648	128	50304	3.796	ug/l	99
92) 1,2,3-Trichlorobenzene	15.848	180	18695	4.823	ug/l	87

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



#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.819 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN076676.D
Acq: 15 Feb 2023 10:24

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005



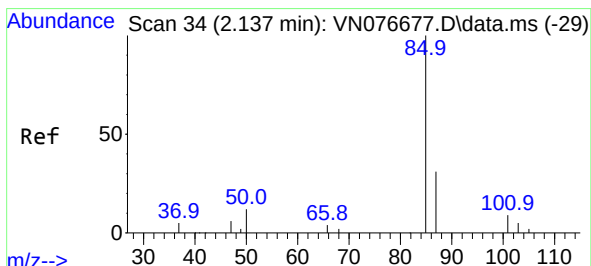
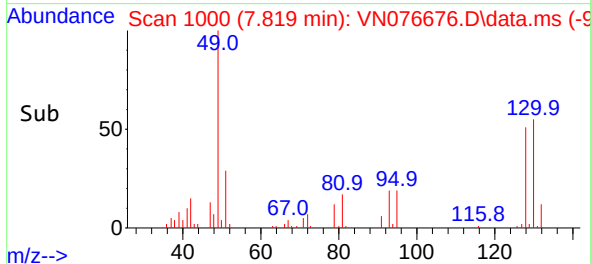
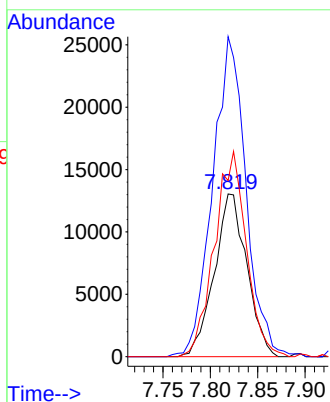
Tgt Ion:128 Resp: 3115
Ion Ratio Lower Upper
128 100
49 196.4 0.0 461.8
130 123.9 0.0 295.3

Manual Integrations
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Carlone

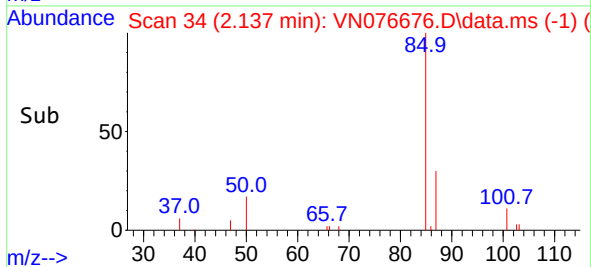
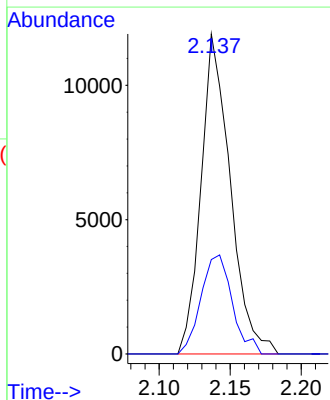
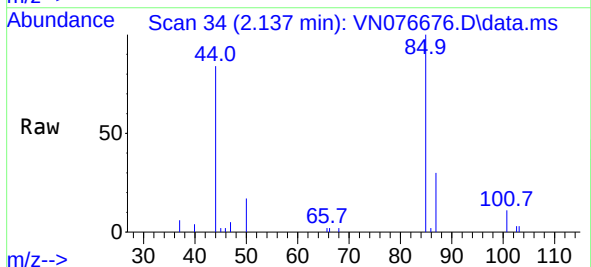
02/16/2023
Supervised By :Mahesh
Dadoda

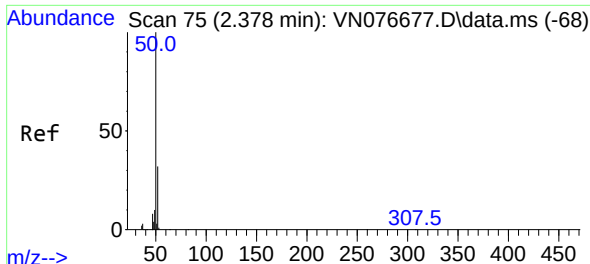
02/18/2023



#2
Dichlorodifluoromethane
Concen: 3.955 ug/l
RT: 2.137 min Scan# 34
Delta R.T. -0.000 min
Lab File: VN076676.D
Acq: 15 Feb 2023 10:24

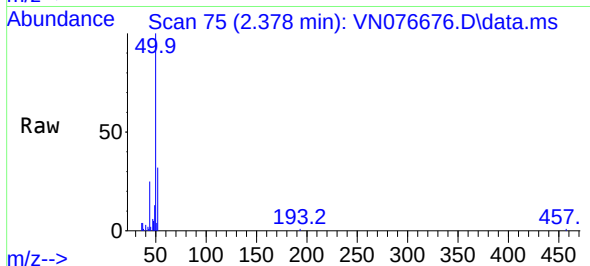
Tgt Ion: 85 Resp: 17055
Ion Ratio Lower Upper
85 100
87 29.5 15.4 46.1





#3
Chloromethane
Concen: 4.665 ug/l
RT: 2.378 min Scan# 75
Delta R.T. -0.000 min
Lab File: VN076676.D
Acq: 15 Feb 2023 10:24

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005



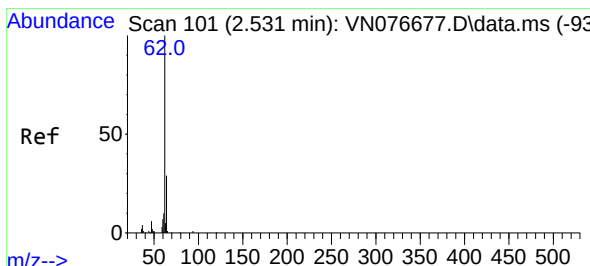
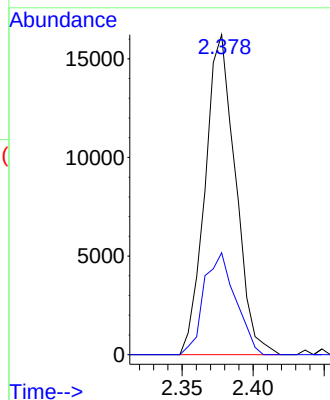
Tgt Ion: 50 Resp: 2419
Ion Ratio Lower Upper
50 100
52 31.8 25.3 37.9

Manual Integrations
APPROVED

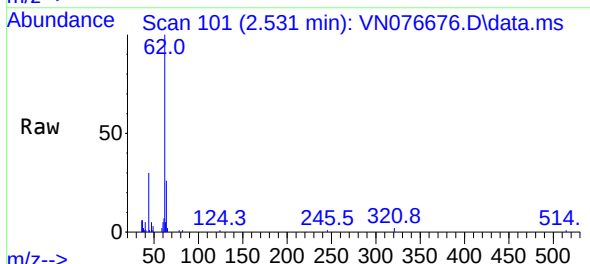
Reviewed By :John
Carlone

02/16/2023
Supervised By :Mahesh
Dadoda

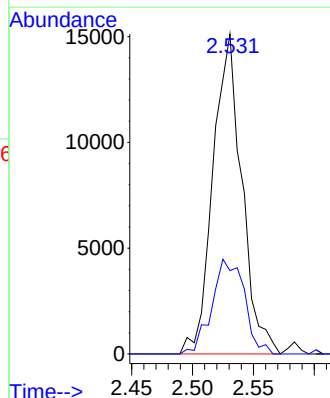
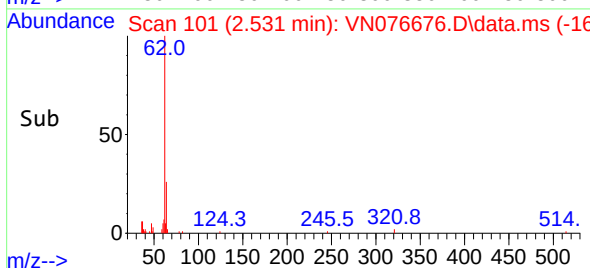
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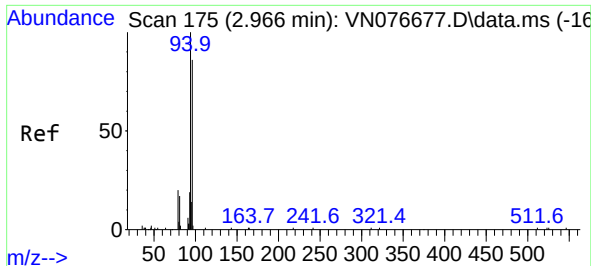


#4
Vinyl Chloride
Concen: 5.519 ug/l
RT: 2.531 min Scan# 101
Delta R.T. -0.000 min
Lab File: VN076676.D
Acq: 15 Feb 2023 10:24



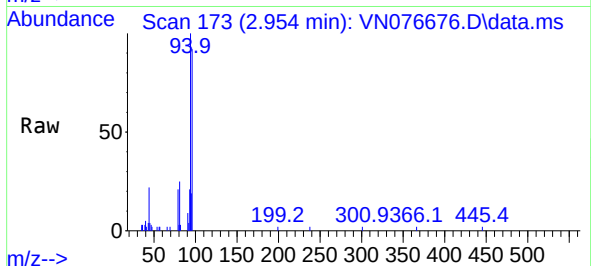
Tgt Ion: 62 Resp: 24989
Ion Ratio Lower Upper
62 100
64 26.0 23.1 34.7





#5
Bromomethane
Concen: 8.586 ug/l
RT: 2.954 min Scan# 11
Delta R.T. -0.012 min
Lab File: VN076676.D
Acq: 15 Feb 2023 10:24

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005



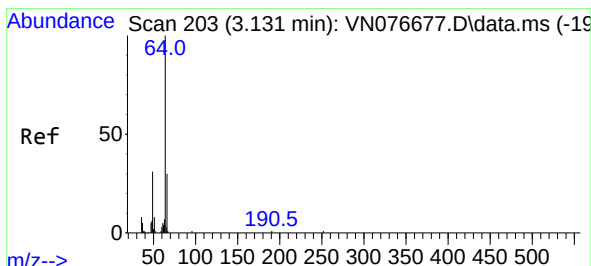
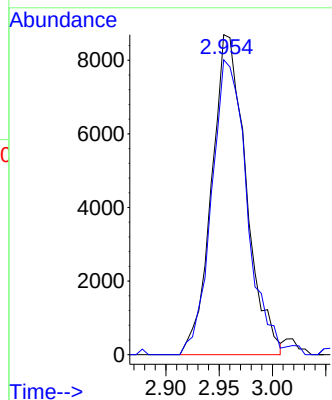
Tgt Ion: 94 Resp: 19510
Ion Ratio Lower Upper
94 100
96 92.2 68.6 103.0

Manual Integrations
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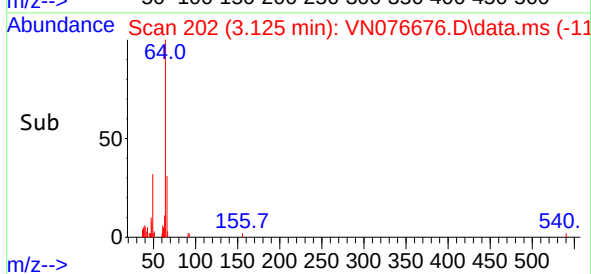
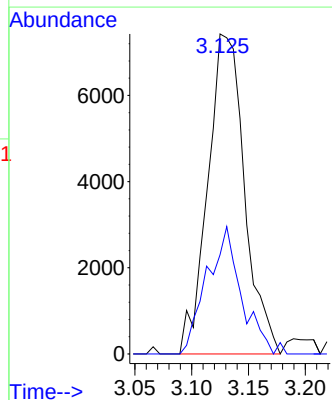
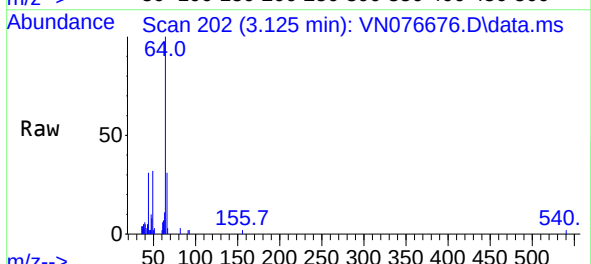
02/16/2023
Supervised By :Mahesh
Dadoda

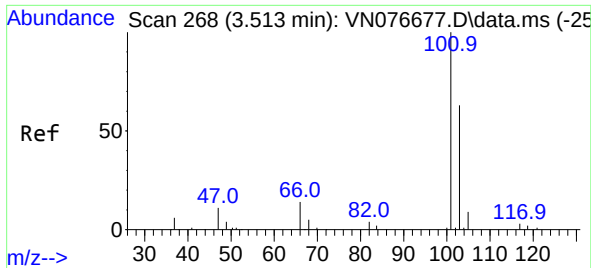
02/18/2023



#6
Chloroethane
Concen: 6.408 ug/l
RT: 3.125 min Scan# 202
Delta R.T. -0.006 min
Lab File: VN076676.D
Acq: 15 Feb 2023 10:24

Tgt Ion: 64 Resp: 16714
Ion Ratio Lower Upper
64 100
66 33.9 23.8 35.6





#7
Trichlorofluoromethane
Concen: 4.103 ug/l
RT: 3.507 min Scan# 267
Delta R.T. -0.006 min
Lab File: VN076676.D
Acq: 15 Feb 2023 10:24

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

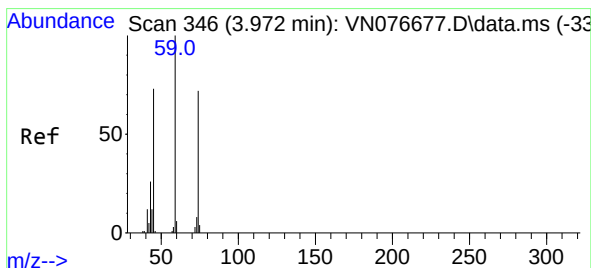
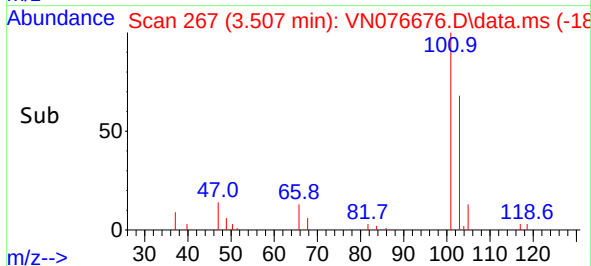
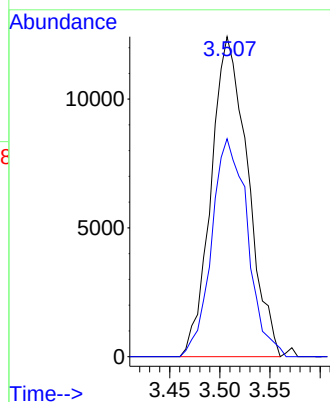
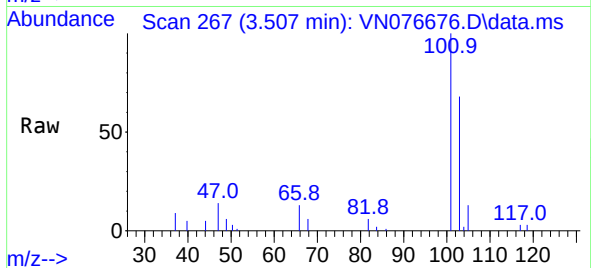
Tgt Ion:101 Resp: 3154
Ion Ratio Lower Upper
101 100
103 68.1 50.2 75.2

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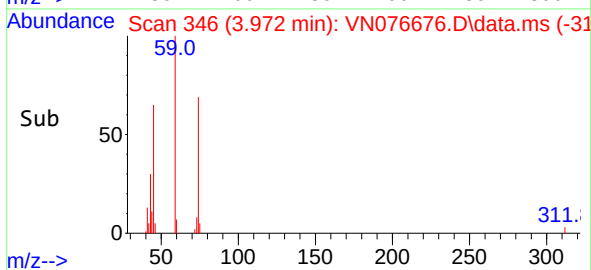
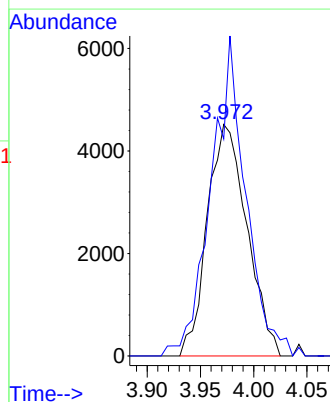
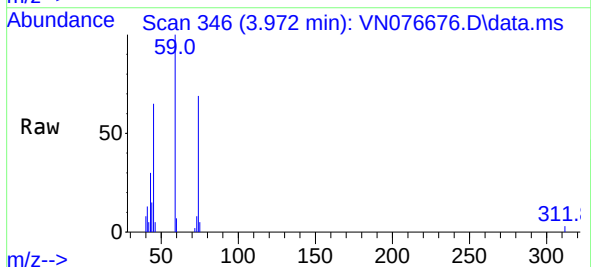
02/16/2023
Supervised By :Mahesh
Dadoda

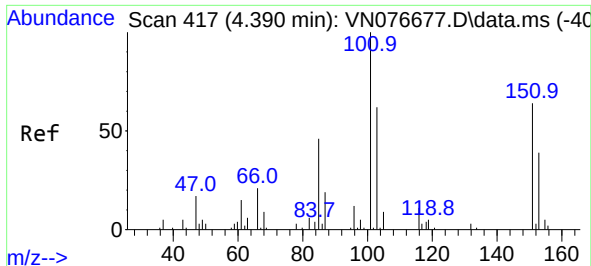
02/18/2023



#8
Diethyl Ether
Concen: 4.812 ug/l
RT: 3.972 min Scan# 346
Delta R.T. -0.000 min
Lab File: VN076676.D
Acq: 15 Feb 2023 10:24

Tgt Ion: 74 Resp: 11735
Ion Ratio Lower Upper
74 100
45 118.9 21.4 193.0





#9
1,1,2-Trichlorotrifluoroethane
Concen: 5.249 ug/l m
RT: 4.384 min Scan# 417
Delta R.T. -0.006 min
Lab File: VN076676.D
Acq: 15 Feb 2023 10:24

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

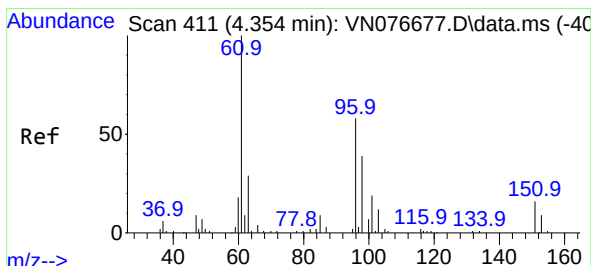
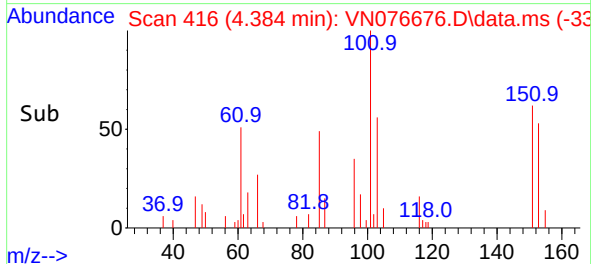
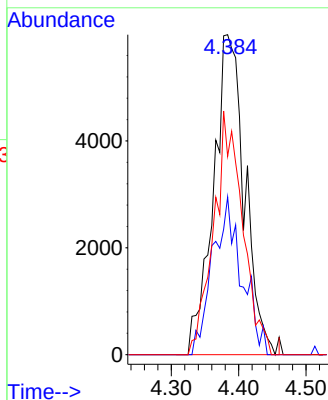
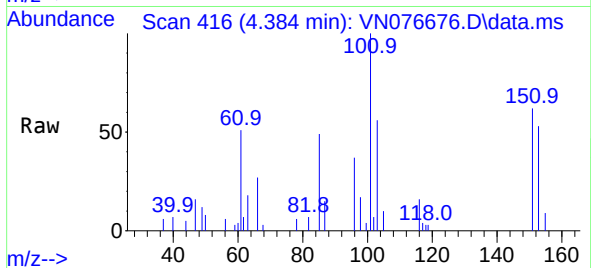
Tgt Ion:101 Resp: 19428
Ion Ratio Lower Upper
101 100
85 24.5 0.0 95.2
151 36.4 0.0 142.2

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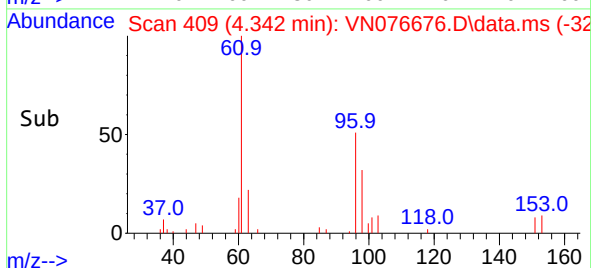
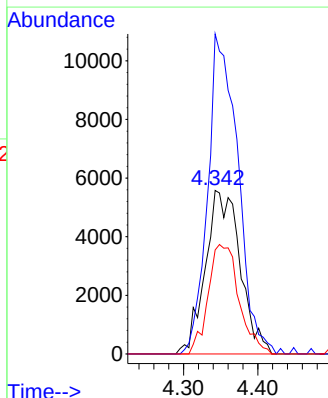
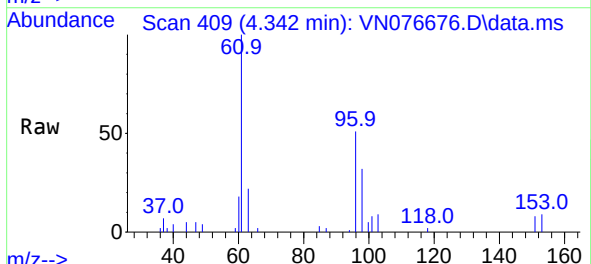
02/16/2023
Supervised By :Mahesh
Dadoda

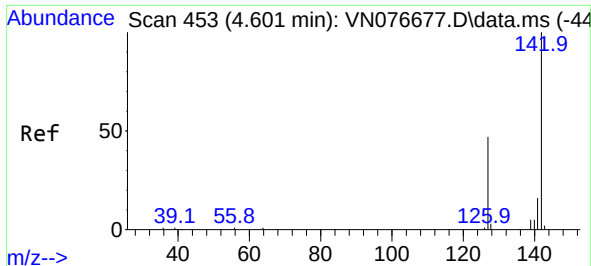
02/18/2023



#10
1,1-Dichloroethene
Concen: 5.223 ug/l m
RT: 4.342 min Scan# 409
Delta R.T. -0.012 min
Lab File: VN076676.D
Acq: 15 Feb 2023 10:24

Tgt Ion: 96 Resp: 18164
Ion Ratio Lower Upper
96 100
61 195.6 137.1 205.7
98 63.5 53.2 79.8





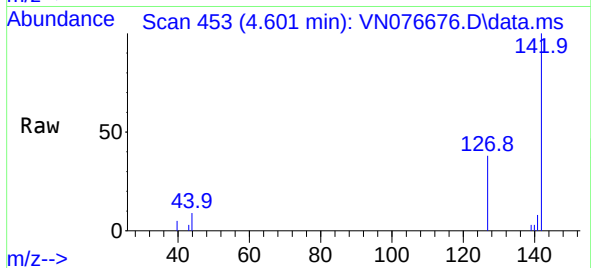
#11
Methyl Iodide
Concen: 3.615 ug/l
RT: 4.601 min Scan# 453
Delta R.T. -0.000 min
Lab File: VN076676.D
Acq: 15 Feb 2023 10:24

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005



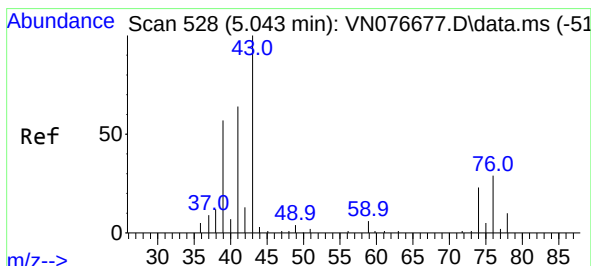
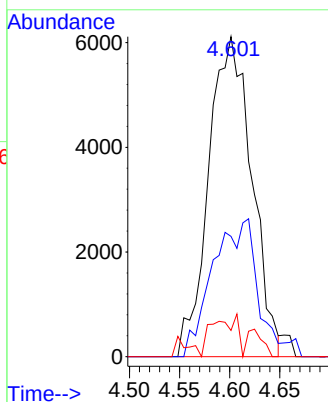
Tgt Ion:142 Resp: 1826
Ion Ratio Lower Upper
142 100
127 36.8 25.0 75.0
141 5.2 8.0 24.0

Manual Integrations
APPROVED

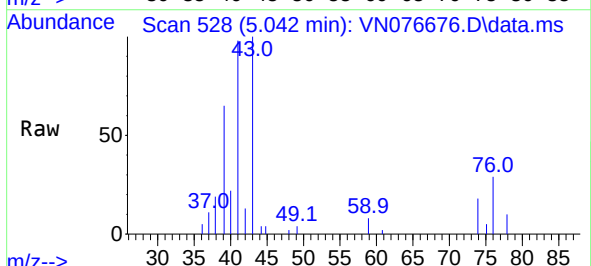
Reviewed By :John
Carlone

02/16/2023
Supervised By :Mahesh
Dadoda

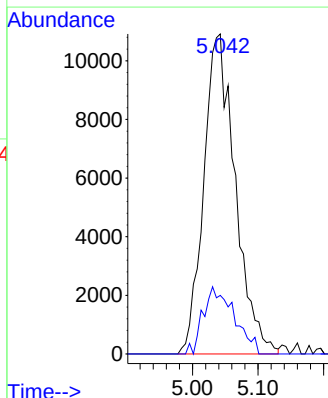
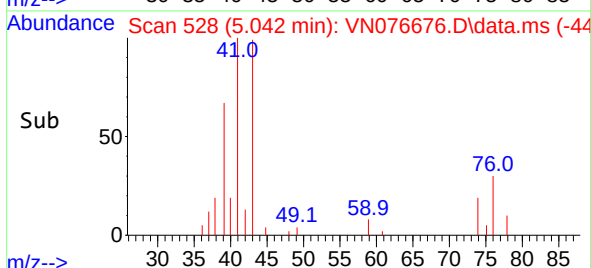
02/18/2023

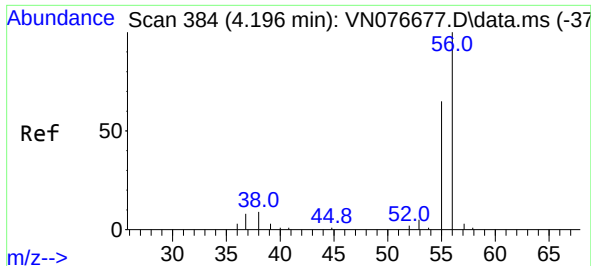


#12
Methyl Acetate
Concen: 4.991 ug/l
RT: 5.042 min Scan# 528
Delta R.T. -0.000 min
Lab File: VN076676.D
Acq: 15 Feb 2023 10:24



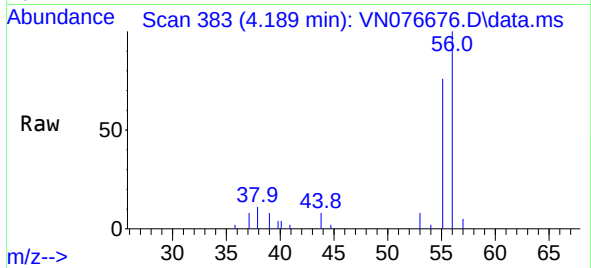
Tgt Ion: 43 Resp: 36426
Ion Ratio Lower Upper
43 100
74 18.5 19.0 28.4





#13
Acrolein
Concen: 24.742 ug/l
RT: 4.189 min Scan# 384
Delta R.T. -0.006 min
Lab File: VN076676.D
Acq: 15 Feb 2023 10:24

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005



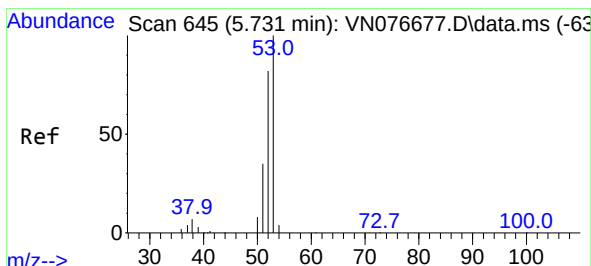
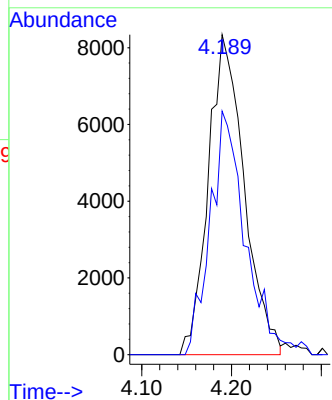
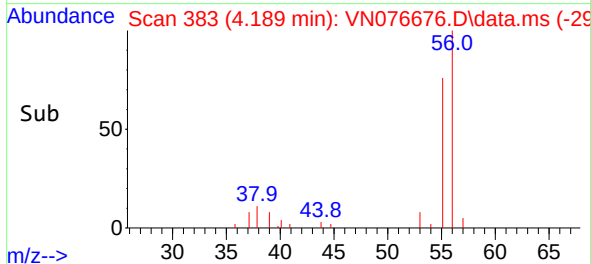
Tgt Ion: 56 Resp: 23129
Ion Ratio Lower Upper
56 100
55 68.4 55.0 82.4

Manual Integrations
APPROVED

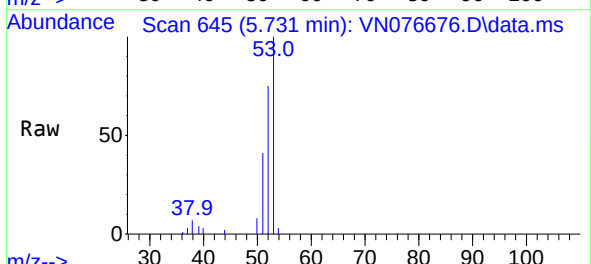
Reviewed By :John
Carlone

02/16/2023
Supervised By :Mahesh
Dadoda

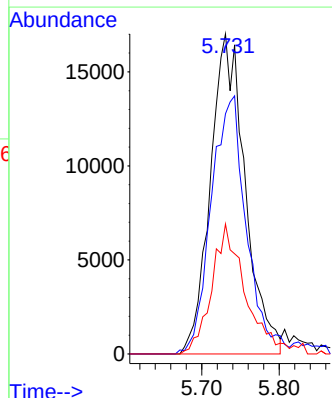
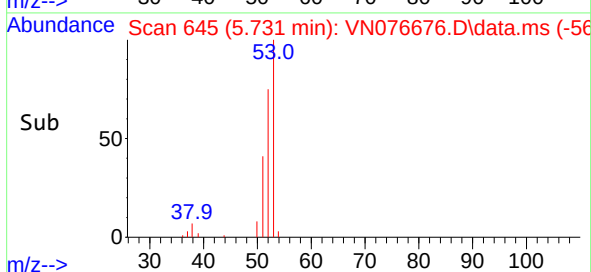
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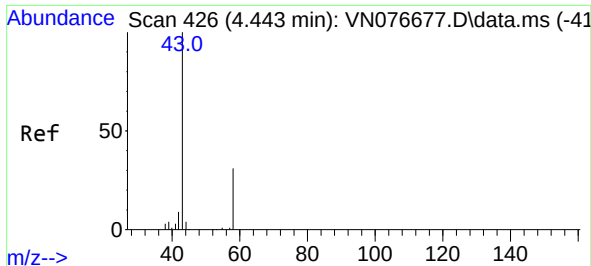


#14
Acrylonitrile
Concen: 24.806 ug/l
RT: 5.731 min Scan# 645
Delta R.T. -0.000 min
Lab File: VN076676.D
Acq: 15 Feb 2023 10:24



Tgt Ion: 53 Resp: 53042
Ion Ratio Lower Upper
53 100
52 79.9 41.5 124.6
51 25.6 17.6 52.8





#15

Acetone

Concen: 27.735 ug/l m

RT: 4.448 min Scan# 41

Delta R.T. 0.006 min

Lab File: VN076676.D

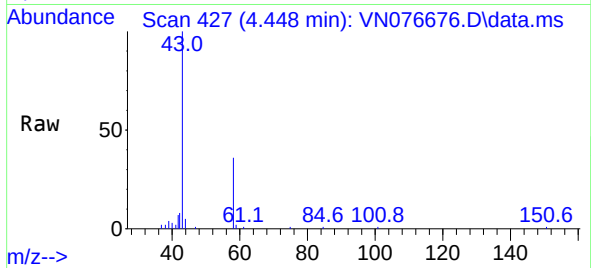
Acq: 15 Feb 2023 10:24

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005



Tgt Ion: 58 Resp: 1712

Ion Ratio Lower Upper

58 100

43 281.3 255.4 383.0

Manual Integrations

APPROVED

Reviewed By :John

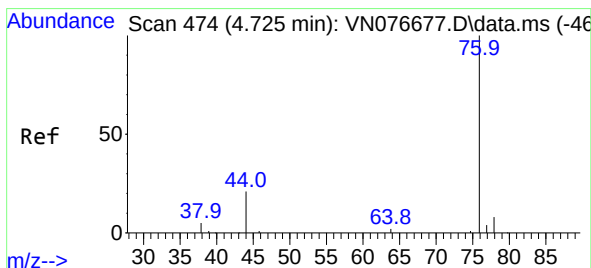
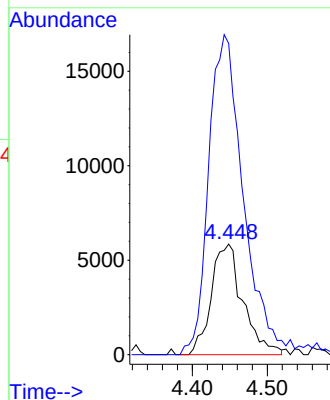
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#16

Carbon Disulfide

Concen: 5.253 ug/l

RT: 4.725 min Scan# 474

Delta R.T. -0.000 min

Lab File: VN076676.D

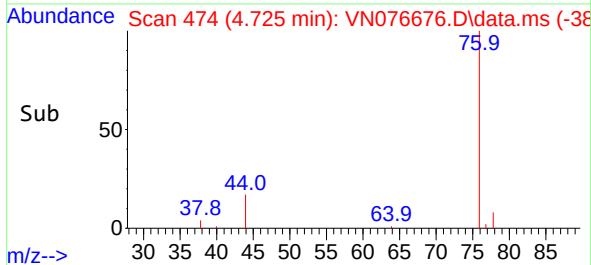
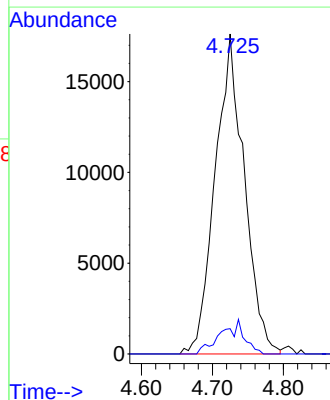
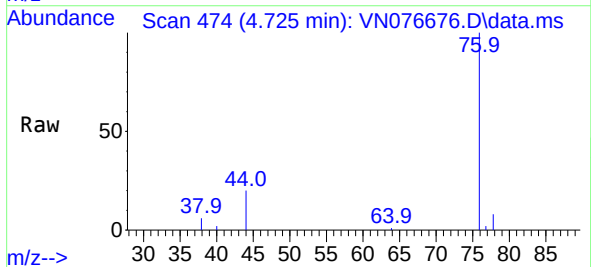
Acq: 15 Feb 2023 10:24

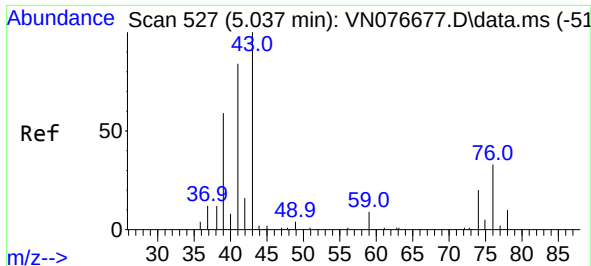
Tgt Ion: 76 Resp: 50213

Ion Ratio Lower Upper

76 100

78 7.9 6.6 9.8





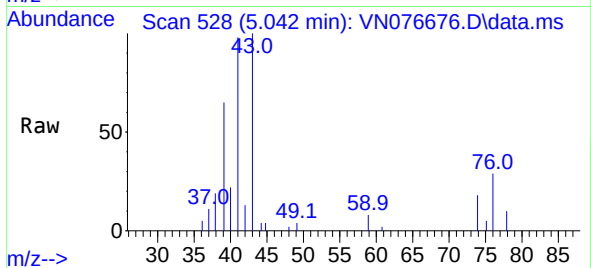
#17
 Allyl chloride
 Concen: 4.912 ug/l
 RT: 5.042 min Scan# 51
 Delta R.T. 0.006 min
 Lab File: VN076676.D
 Acq: 15 Feb 2023 10:24

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC005



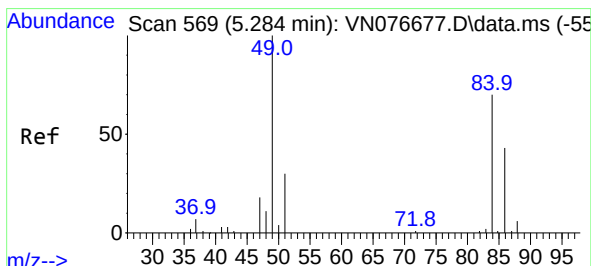
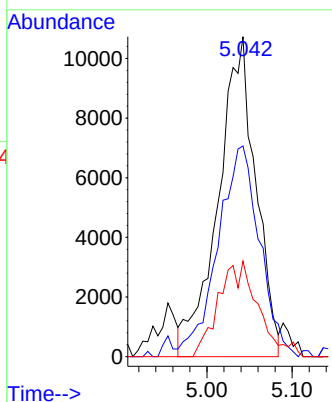
Tgt Ion: 41 Resp: 3293
 Ion Ratio Lower Upper
 41 100
 39 68.1 34.8 104.3
 76 32.0 17.5 52.5

Manual Integrations
 APPROVED

Reviewed By :John
 Carlone

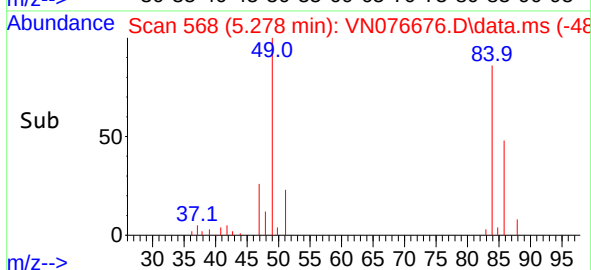
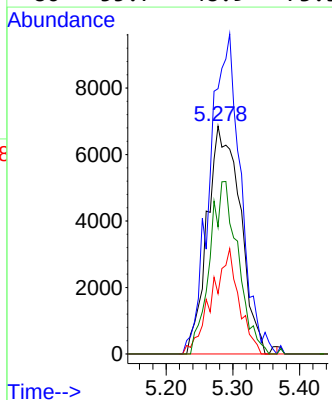
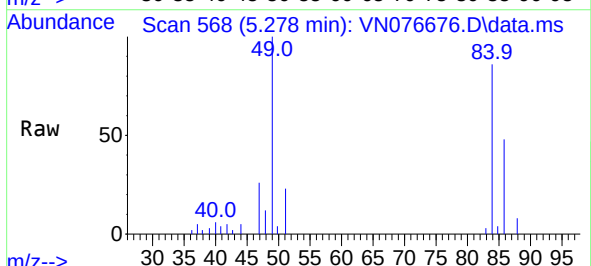
02/16/2023
 Supervised By :Mahesh
 Dadoda

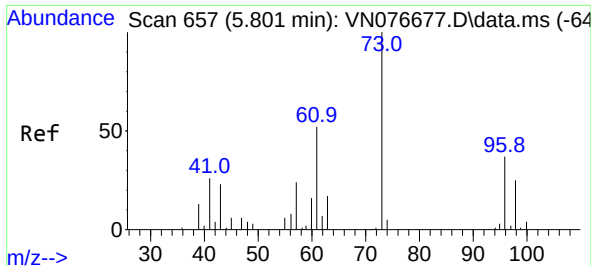
02/18/2023



#18
 Methylene Chloride
 Concen: 5.742 ug/l m
 RT: 5.278 min Scan# 568
 Delta R.T. -0.006 min
 Lab File: VN076676.D
 Acq: 15 Feb 2023 10:24

Tgt Ion: 84 Resp: 23629
 Ion Ratio Lower Upper
 84 100
 49 116.4 113.8 170.6
 51 26.4 34.2 51.4#
 86 55.7 48.9 73.3





#19

trans-1,2-Dichloroethene

Concen: 5.659 ug/l m

RT: 5.801 min Scan# 61

Delta R.T. -0.000 min

Lab File: VN076676.D

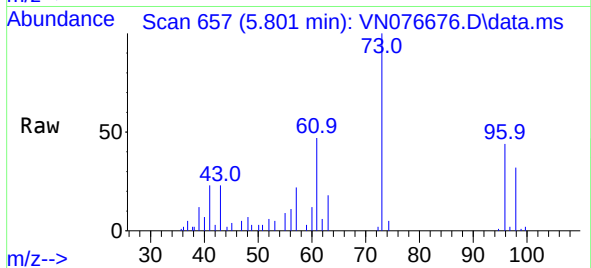
Acq: 15 Feb 2023 10:24

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005



Tgt Ion: 96 Resp: 20220

Ion Ratio Lower Upper

96 100

61 107.4 111.0 166.4

98 73.3 55.0 82.6

Manual Integrations

APPROVED

Reviewed By :John

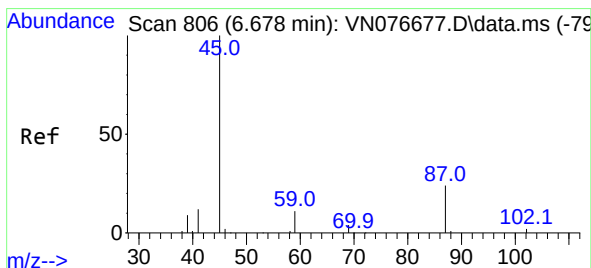
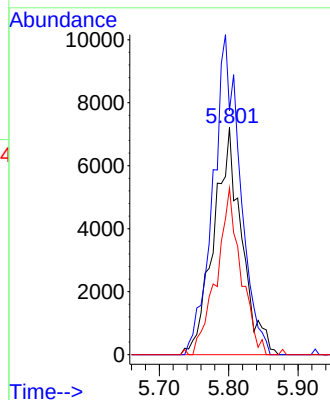
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Supervised By :Mahesh

Dadoda

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#20

Diisopropyl ether

Concen: 4.742 ug/l

RT: 6.683 min Scan# 807

Delta R.T. 0.006 min

Lab File: VN076676.D

Acq: 15 Feb 2023 10:24

Tgt Ion: 45 Resp: 72578

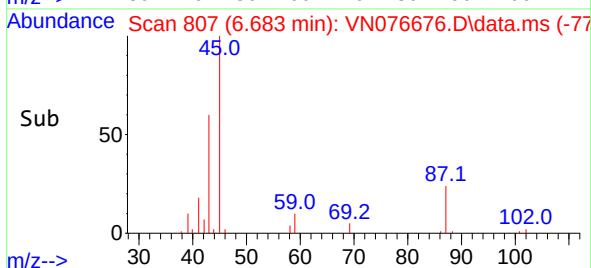
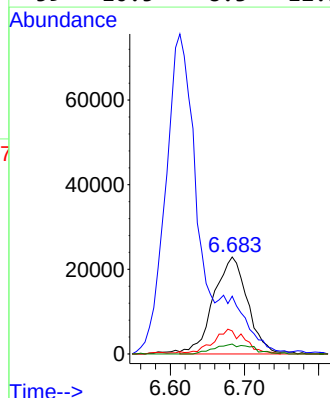
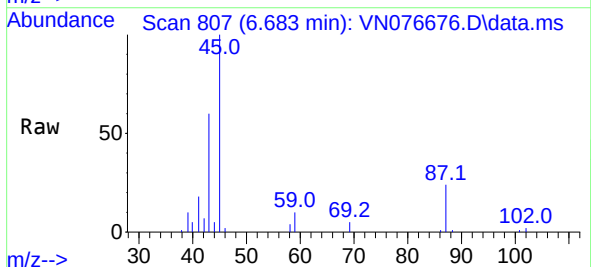
Ion Ratio Lower Upper

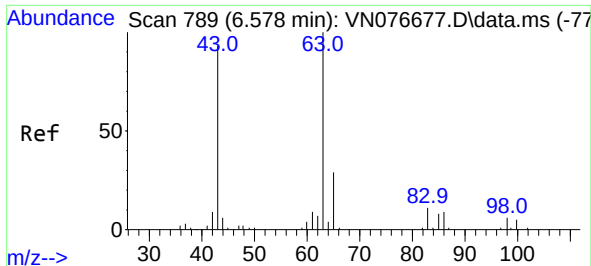
45 100

43 57.7 38.6 58.0

87 24.3 20.1 30.1

59 10.5 8.3 12.5





#21

1,1-Dichloroethane

Concen: 4.841 ug/l m

RT: 6.572 min Scan# 789

Delta R.T. -0.006 min

Lab File: VN076676.D

Acq: 15 Feb 2023 10:24

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tgt Ion: 63 Resp: 4040

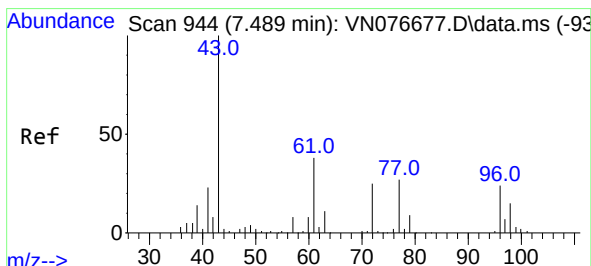
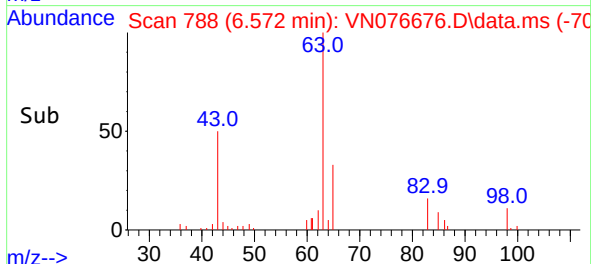
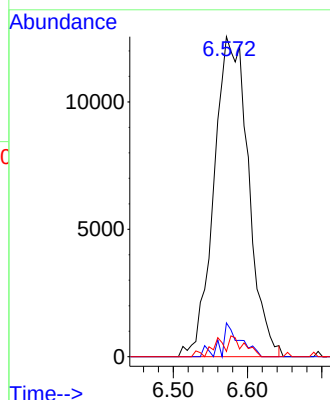
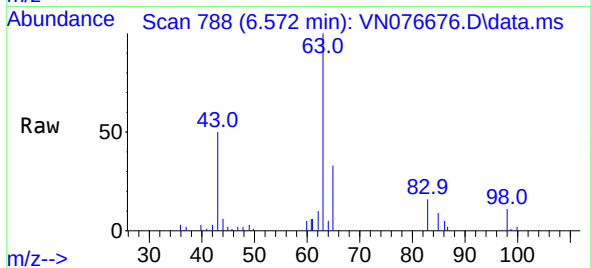
Ion	Ratio	Lower	Upper
63	100		
98	10.6	3.6	10.9
100	1.6	2.6	7.8

Manual Integrations
APPROVED

Reviewed By :John
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Supervised By :Mahesh
Dadoda

02/18/2023



#22

cis-1,2-Dichloroethene

Concen: 5.026 ug/l

RT: 7.495 min Scan# 945

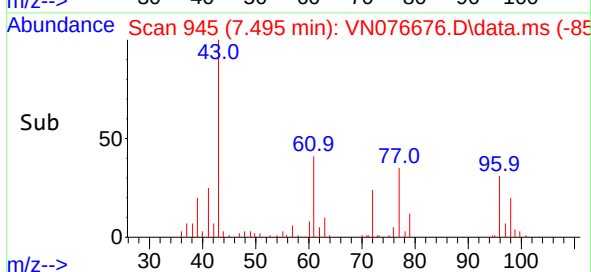
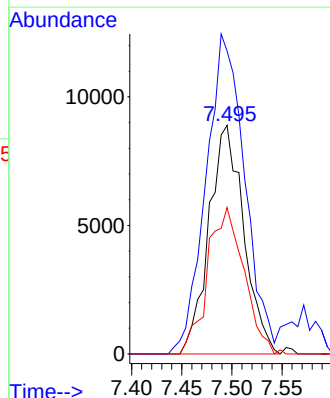
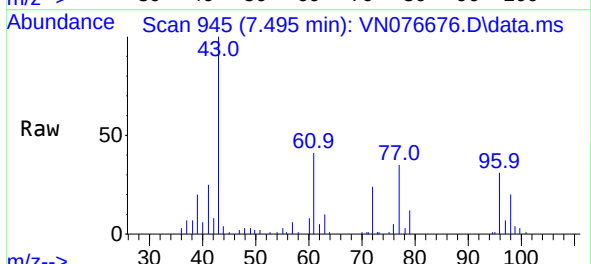
Delta R.T. 0.006 min

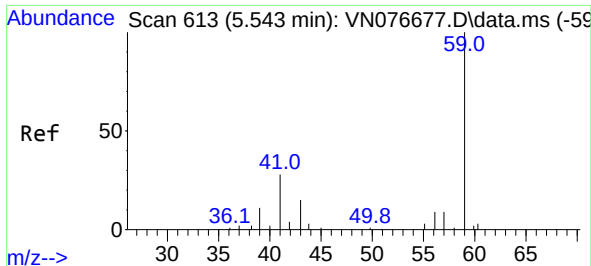
Lab File: VN076676.D

Acq: 15 Feb 2023 10:24

Tgt Ion: 96 Resp: 21517

Ion	Ratio	Lower	Upper
96	100		
61	155.1	121.0	181.4
98	44.3	50.1	75.1





#23
tert-Butyl Alcohol
Concen: 20.312 ug/l m
RT: 5.525 min Scan# 61
Delta R.T. -0.018 min
Lab File: VN076676.D
Acq: 15 Feb 2023 10:24

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

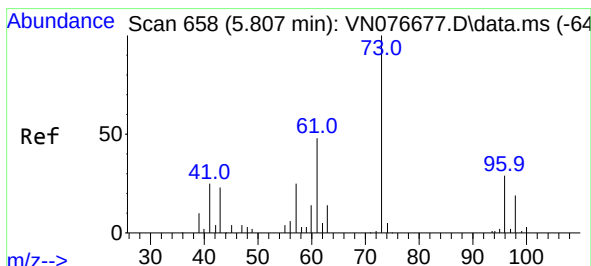
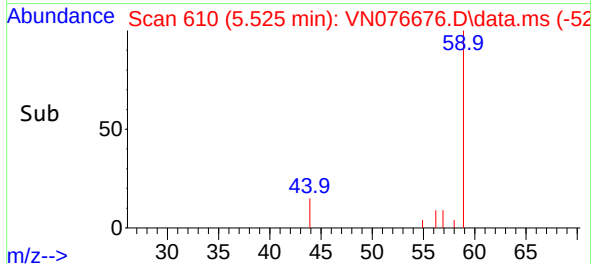
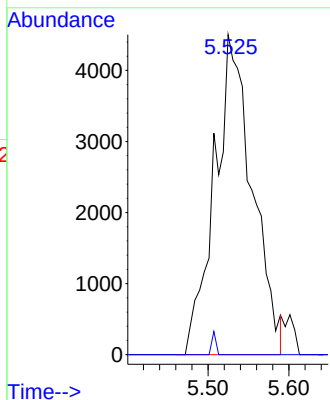
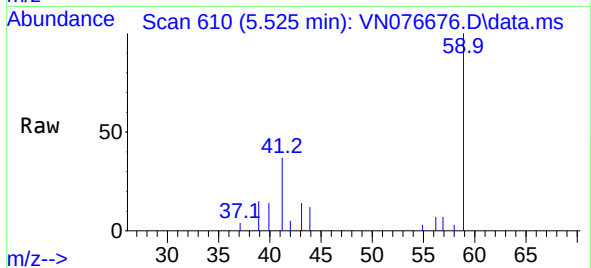
Tgt Ion: 59 Resp: 14574
Ion Ratio Lower Upper
59 100
52 0.0 0.2 0.23

Manual Integrations
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Reviewed By :John
Carlone

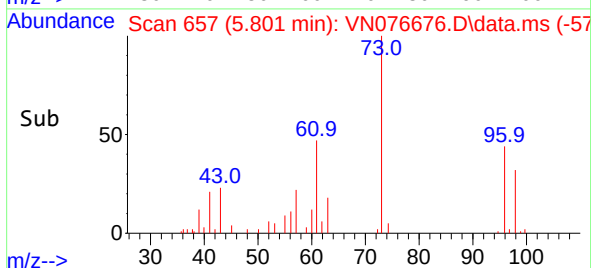
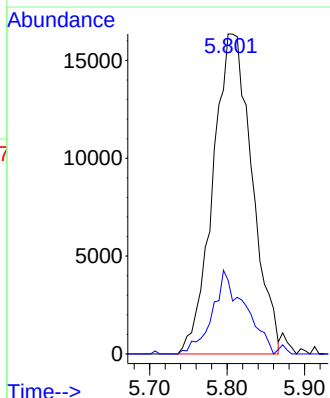
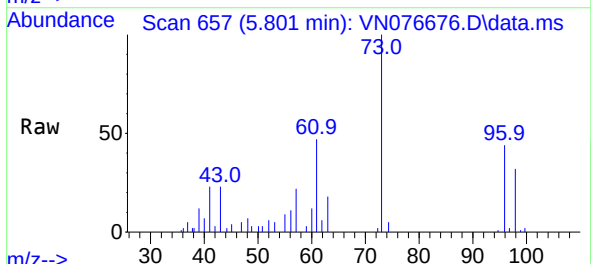
02/16/2023
Supervised By :Mahesh
Dadoda

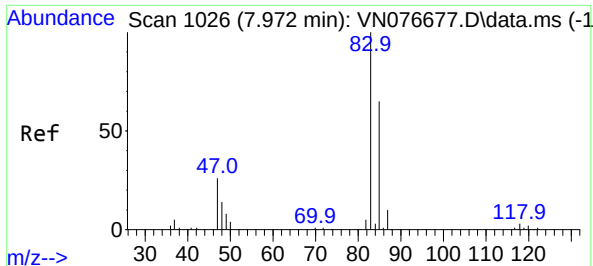
02/18/2023



#24
Methyl tert-Butyl Ether
Concen: 4.584 ug/l
RT: 5.801 min Scan# 657
Delta R.T. -0.006 min
Lab File: VN076676.D
Acq: 15 Feb 2023 10:24

Tgt Ion: 73 Resp: 57417
Ion Ratio Lower Upper
73 100
43 13.0 17.8 26.6#





#25

Chloroform

Concen: 4.393 ug/l

RT: 7.972 min Scan# 1026

Delta R.T. -0.000 min

Lab File: VN076676.D

Acq: 15 Feb 2023 10:24

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tgt Ion: 83 Resp: 36279

Ion Ratio Lower Upper

83 100

85 68.1 51.8 77.6

Manual Integrations

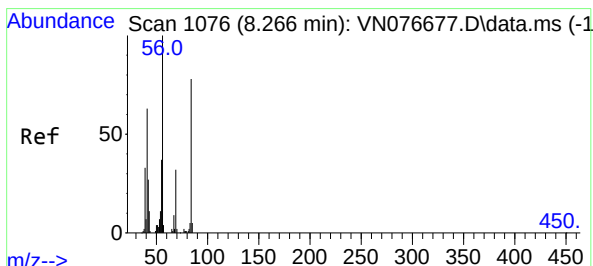
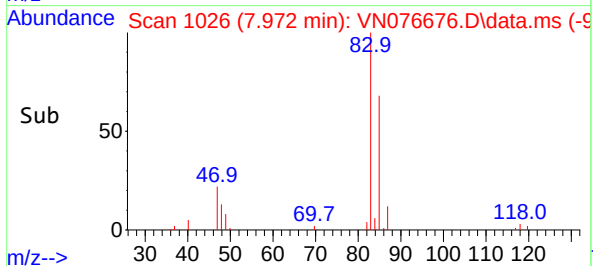
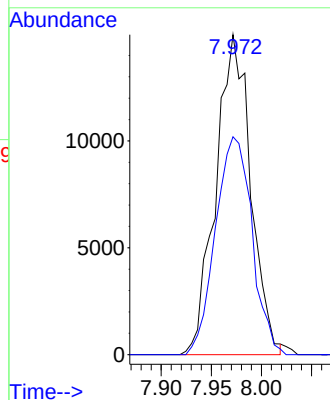
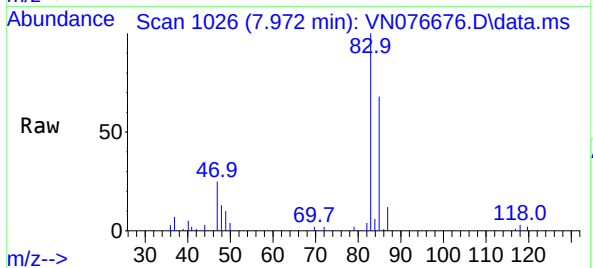
APPROVED

Reviewed By :John
Carlone

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Supervised By :Mahesh
Dadoda

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#26

Cyclohexane

Concen: 4.399 ug/l

RT: 8.260 min Scan# 1075

Delta R.T. -0.006 min

Lab File: VN076676.D

Acq: 15 Feb 2023 10:24

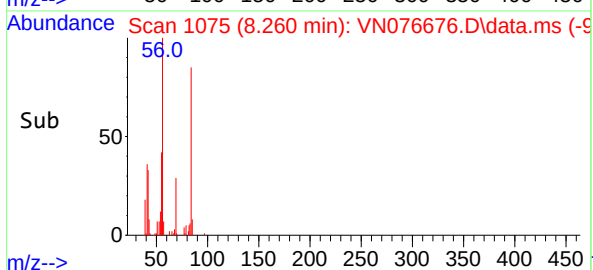
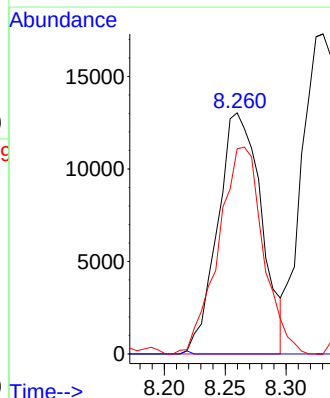
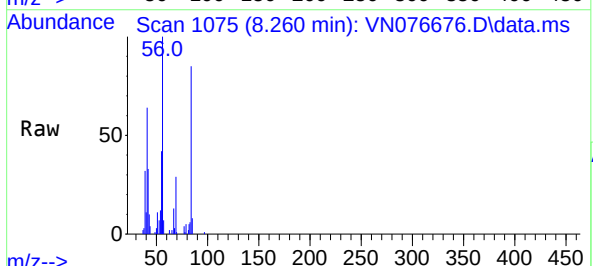
Tgt Ion: 56 Resp: 32581

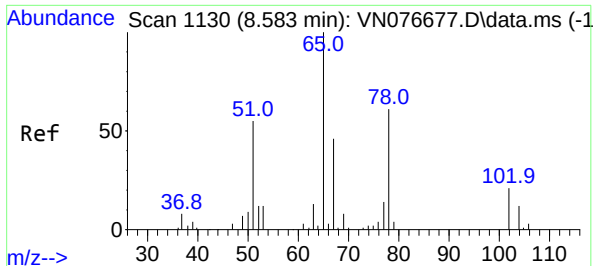
Ion Ratio Lower Upper

56 100

89 0.0 0.0 0.0

84 87.6 65.3 97.9





#27
1,2-Dichloroethane-d4
Concen: 25.100 ug/l
RT: 8.583 min Scan# 1130
Delta R.T. -0.000 min
Lab File: VN076676.D
Acq: 15 Feb 2023 10:24

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

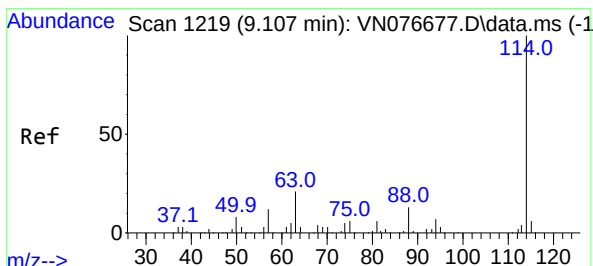
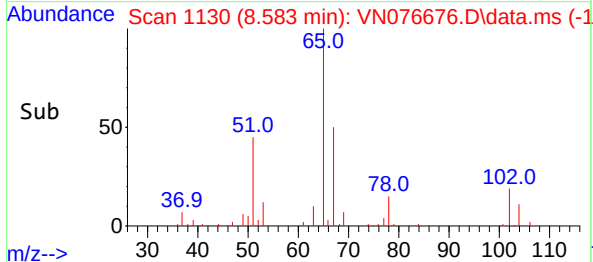
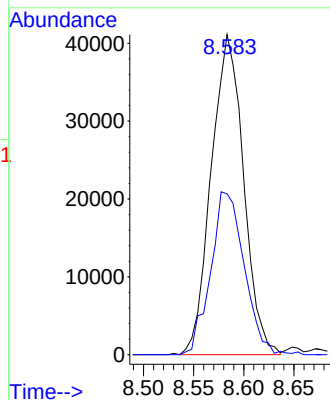
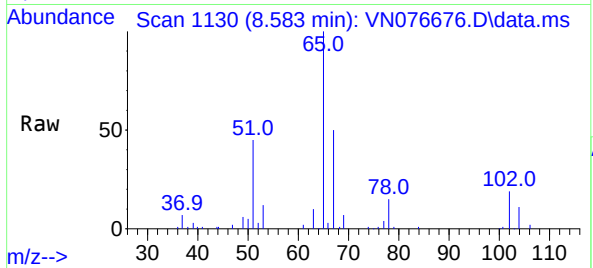
Tgt Ion: 65 Resp: 9217
Ion Ratio Lower Upper
65 100
67 52.5 40.9 61.3

Manual Integrations
APPROVED

Reviewed By :John
Carlone

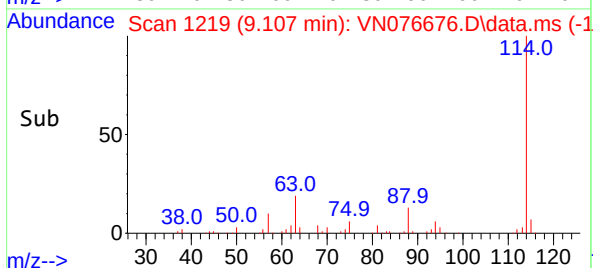
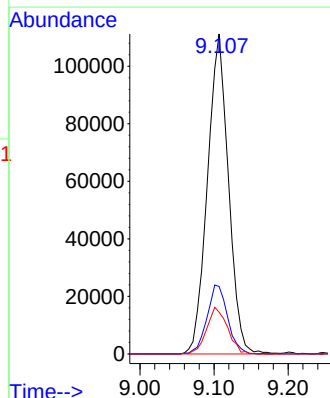
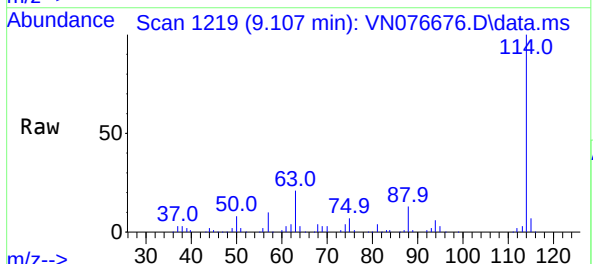
02/16/2023
Supervised By :Mahesh
Dadoda

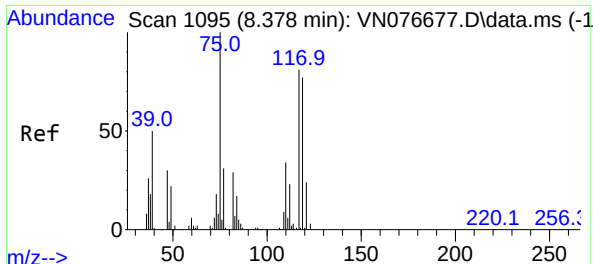
02/18/2023



#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 9.107 min Scan# 1219
Delta R.T. -0.000 min
Lab File: VN076676.D
Acq: 15 Feb 2023 10:24

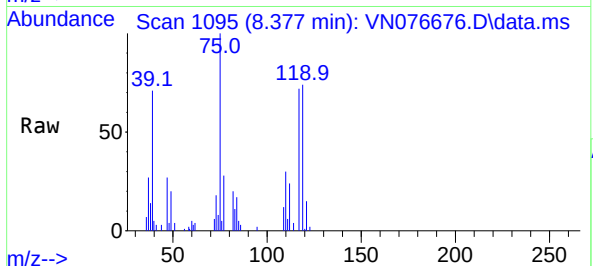
Tgt Ion:114 Resp: 219010
Ion Ratio Lower Upper
114 100
63 21.2 17.0 25.4
88 14.5 11.6 17.4





#29
1,1-Dichloropropene
Concen: 4.780 ug/l
RT: 8.377 min Scan# 1095
Delta R.T. -0.000 min
Lab File: VN076676.D
Acq: 15 Feb 2023 10:24

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005



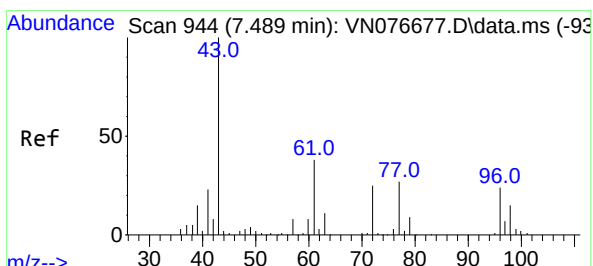
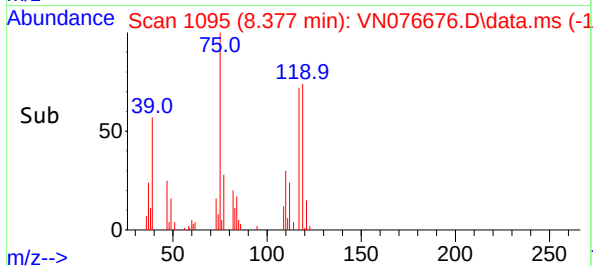
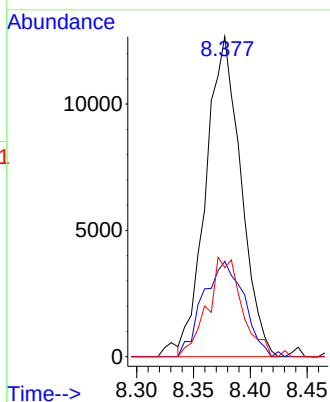
Tgt Ion: 75 Resp: 27095
Ion Ratio Lower Upper
75 100
110 34.7 0.0 67.2
77 30.4 0.0 64.4

Manual Integrations
APPROVED

Reviewed By :John
Carlone

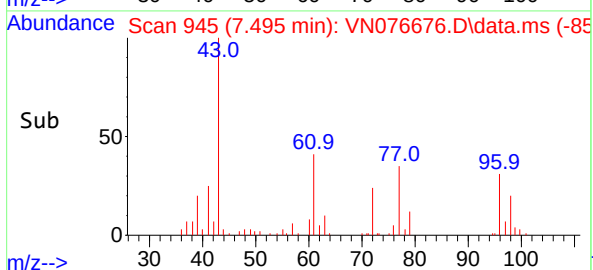
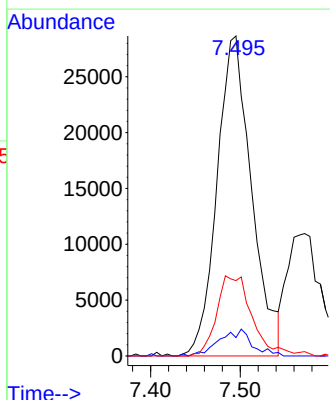
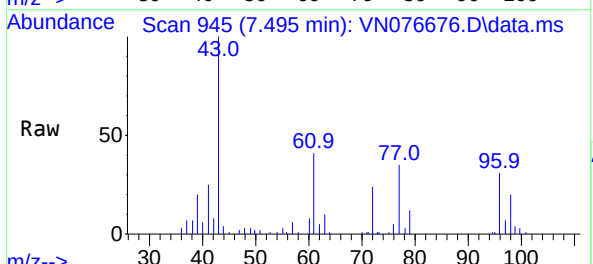
02/16/2023
Supervised By :Mahesh
Dadoda

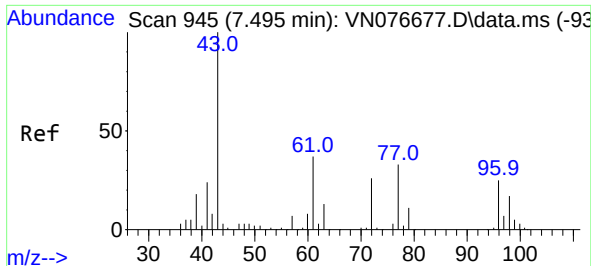
02/18/2023



#30
2-Butanone
Concen: 25.024 ug/l
RT: 7.495 min Scan# 945
Delta R.T. 0.006 min
Lab File: VN076676.D
Acq: 15 Feb 2023 10:24

Tgt Ion: 43 Resp: 76573
Ion Ratio Lower Upper
43 100
57 2.8 6.1 9.1#
72 0.0 20.2 30.4#





#31

2,2-Dichloropropane

Concen: 4.877 ug/l

RT: 7.507 min Scan# 945

Delta R.T. 0.012 min

Lab File: VN076676.D

Acq: 15 Feb 2023 10:24

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC005

Tgt Ion: 77 Resp: 2870

Ion Ratio Lower Upper

77 100

97 12.3 7.2 10.8

Manual Integrations

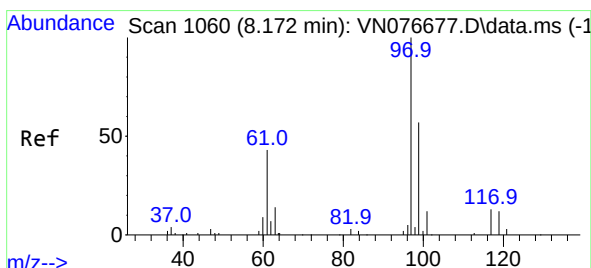
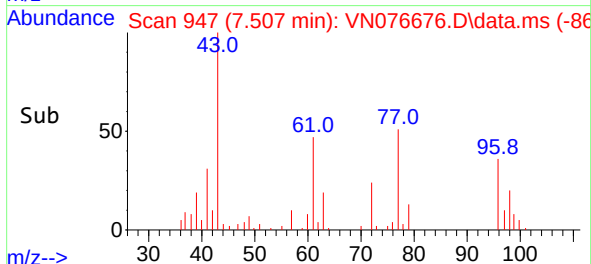
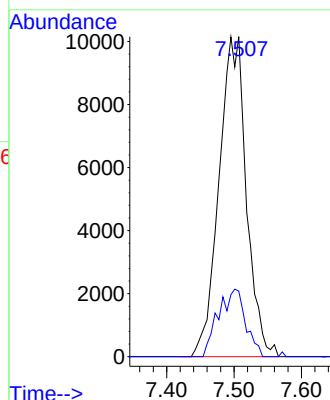
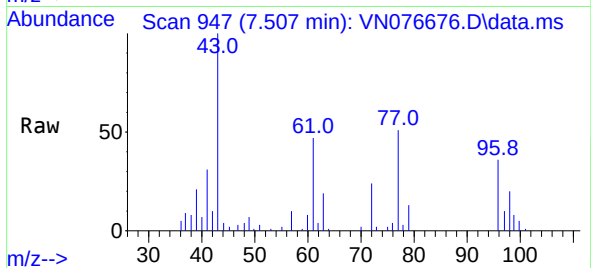
APPROVED

Reviewed By :John
Carlone

02/16/2023

Supervised By :Mahesh
Dadoda

02/18/2023



#32

1,1,1-Trichloroethane

Concen: 4.636 ug/l

RT: 8.177 min Scan# 1061

Delta R.T. 0.006 min

Lab File: VN076676.D

Acq: 15 Feb 2023 10:24

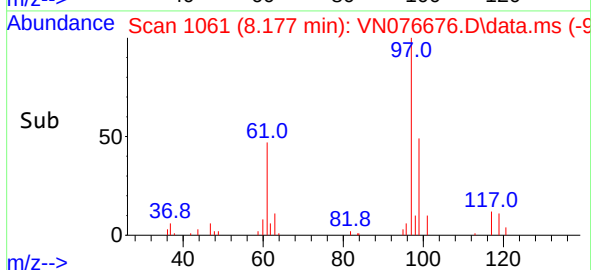
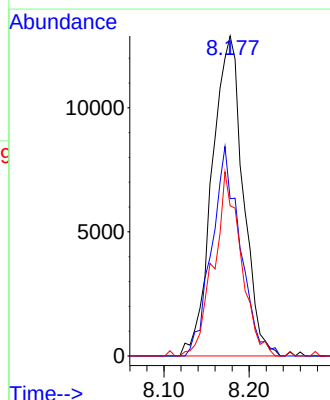
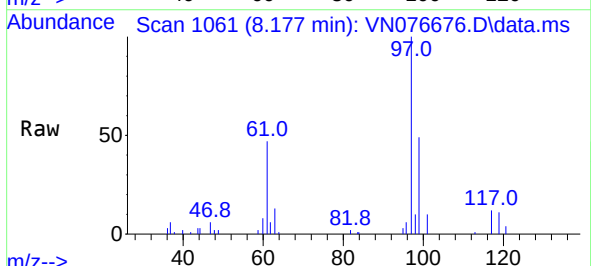
Tgt Ion: 97 Resp: 32610

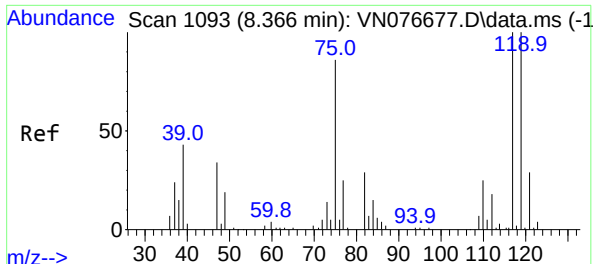
Ion Ratio Lower Upper

97 100

99 60.1 51.8 77.8

61 50.8 39.3 58.9





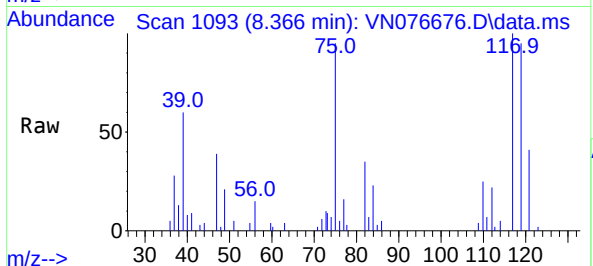
#33
Carbon Tetrachloride
Concen: 4.469 ug/l
RT: 8.366 min Scan# 1093
Delta R.T. -0.000 min
Lab File: VN076676.D
Acq: 15 Feb 2023 10:24

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005



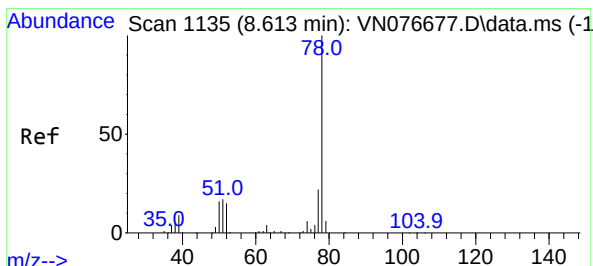
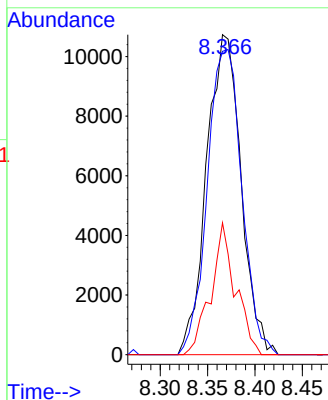
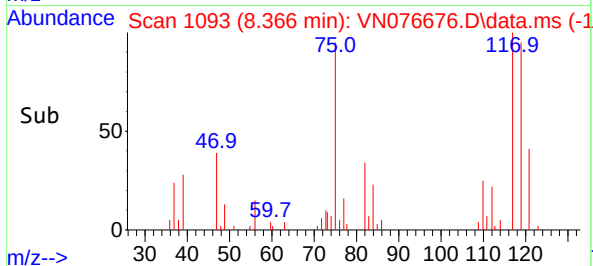
Tgt Ion:117 Resp: 27118
Ion Ratio Lower Upper
117 100
119 94.8 79.8 119.8
121 41.2 23.4 35.0

Manual Integrations
APPROVED

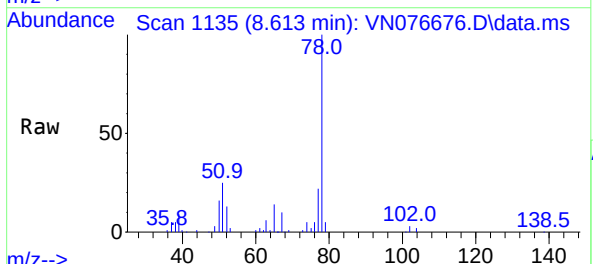
Reviewed By :John
Carlone

02/16/2023
Supervised By :Mahesh
Dadoda

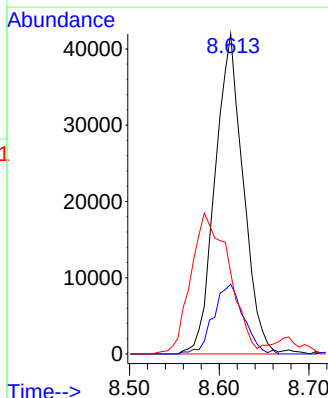
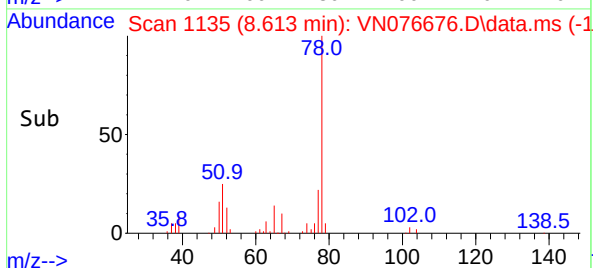
02/18/2023

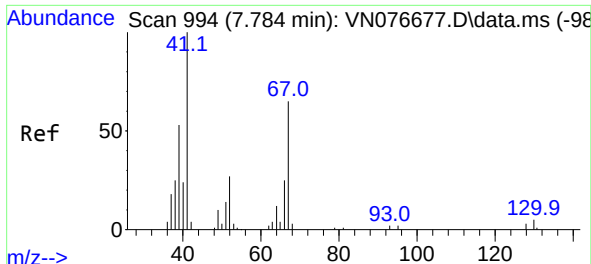


#34
Benzene
Concen: 5.241 ug/l
RT: 8.613 min Scan# 1135
Delta R.T. -0.000 min
Lab File: VN076676.D
Acq: 15 Feb 2023 10:24



Tgt Ion: 78 Resp: 91290
Ion Ratio Lower Upper
78 100
77 21.8 17.4 26.2
51 21.6 13.8 20.6





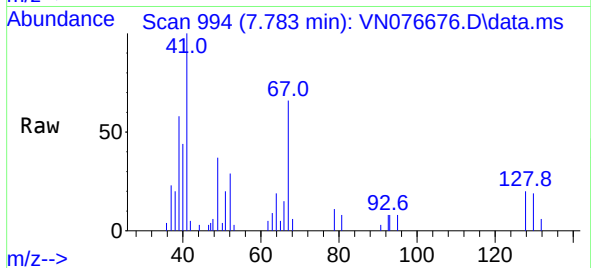
#35
Methacrylonitrile
Concen: 5.033 ug/l
RT: 7.783 min Scan# 994
Delta R.T. -0.000 min
Lab File: VN076676.D
Acq: 15 Feb 2023 10:24

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC005



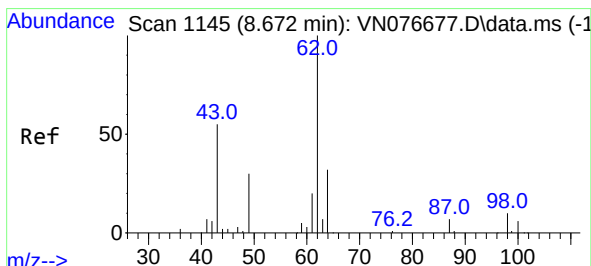
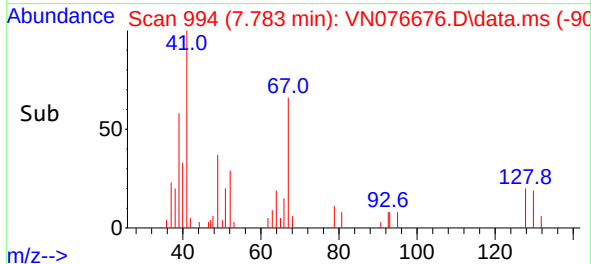
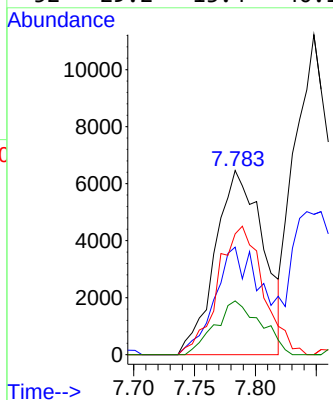
Tgt Ion: 41 Resp: 17709
Ion Ratio Lower Upper
41 100
39 58.4 26.6 79.7
67 65.6 32.3 96.9
52 29.2 13.4 40.1

Manual Integrations
APPROVED

Reviewed By :John
Carlone

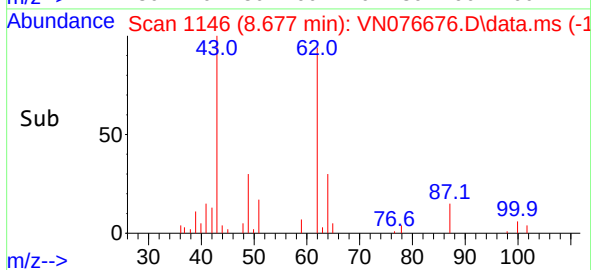
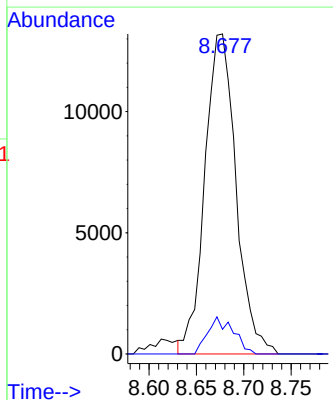
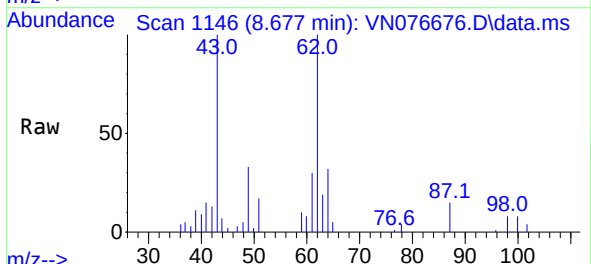
02/16/2023
Supervised By :Mahesh
Dadoda

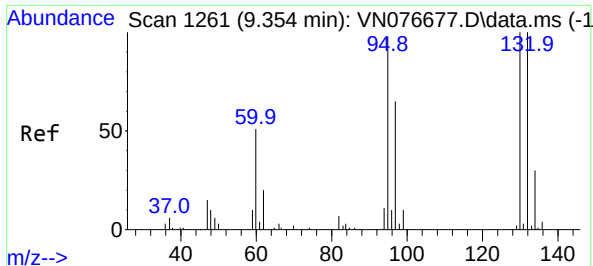
02/18/2023



#36
1,2-Dichloroethane
Concen: 4.528 ug/l
RT: 8.677 min Scan# 1146
Delta R.T. 0.006 min
Lab File: VN076676.D
Acq: 15 Feb 2023 10:24

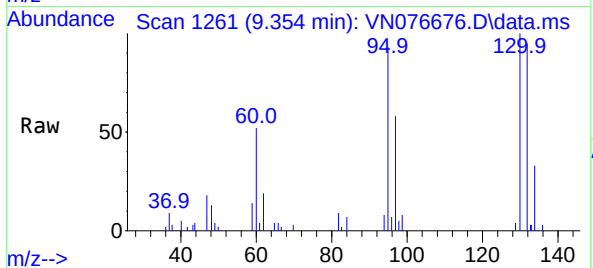
Tgt Ion: 62 Resp: 30248
Ion Ratio Lower Upper
62 100
98 9.5 7.4 11.0





#37
Trichloroethene
Concen: 5.808 ug/l
RT: 9.354 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN076676.D
Acq: 15 Feb 2023 10:24

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005



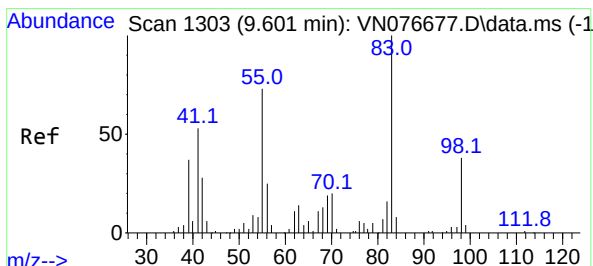
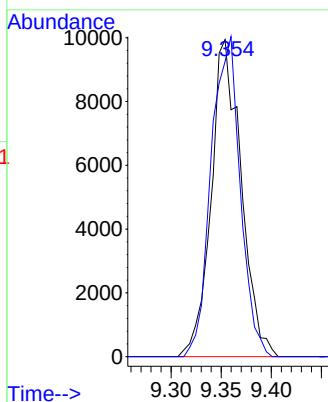
Tgt Ion:130 Resp: 2071
Ion Ratio Lower Upper
130 100
95 93.1 78.7 118.1

Manual Integrations
APPROVED

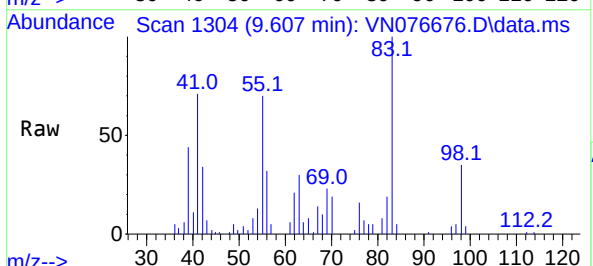
Reviewed By :John
Carlone

02/16/2023
Supervised By :Mahesh
Dadoda

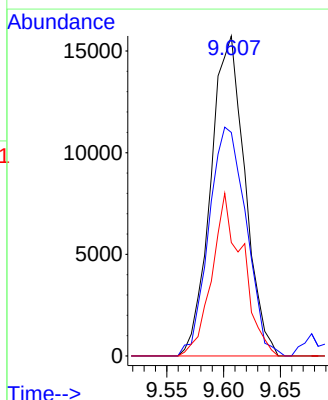
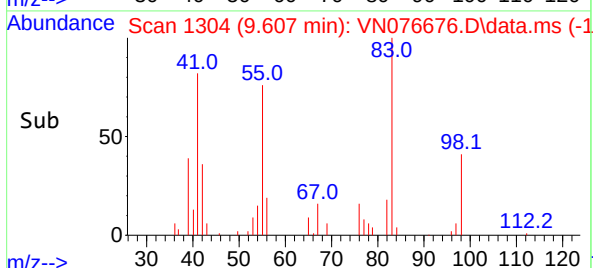
02/18/2023

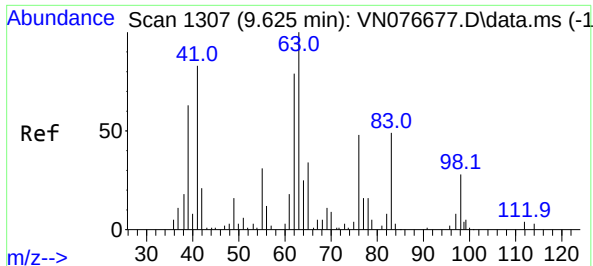


#38
Methylcyclohexane
Concen: 5.255 ug/l
RT: 9.607 min Scan# 1304
Delta R.T. 0.006 min
Lab File: VN076676.D
Acq: 15 Feb 2023 10:24



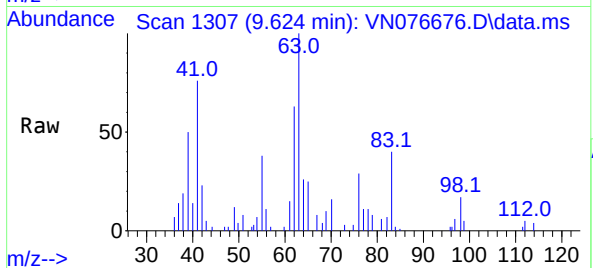
Tgt Ion: 83 Resp: 32973
Ion Ratio Lower Upper
83 100
55 78.0 37.6 112.9
98 34.9 24.1 72.4





#39
1,2-Dichloropropane
Concen: 5.881 ug/l
RT: 9.624 min Scan# 1307
Delta R.T. -0.000 min
Lab File: VN076676.D
Acq: 15 Feb 2023 10:24

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005



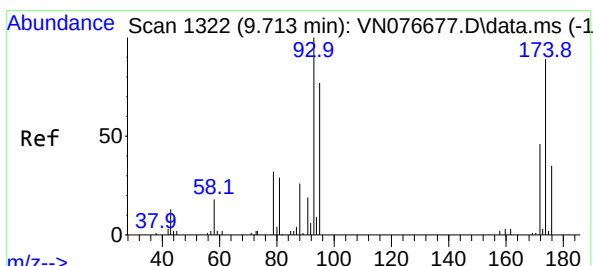
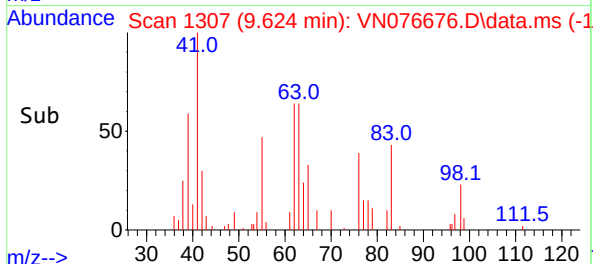
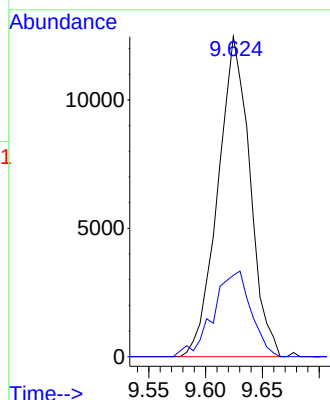
Tgt Ion: 63 Resp: 2444
Ion Ratio Lower Upper
63 100
65 25.4 27.2 40.8

Manual Integrations
APPROVED

Reviewed By :John
Carlone

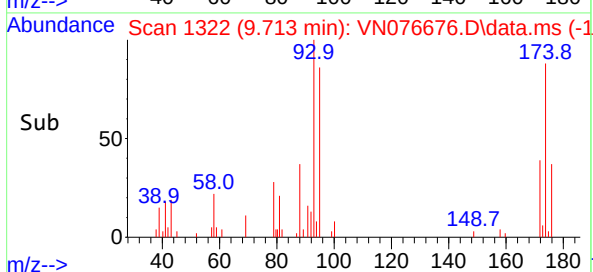
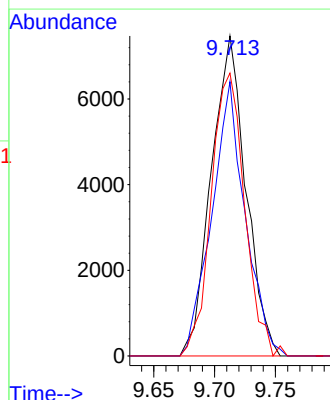
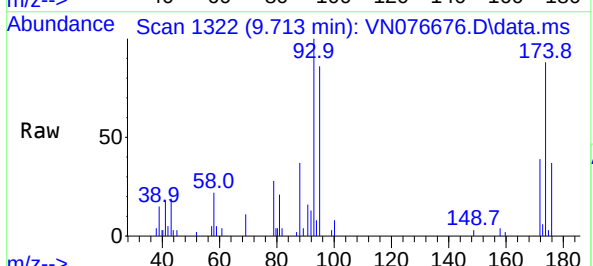
02/16/2023
Supervised By :Mahesh
Dadoda

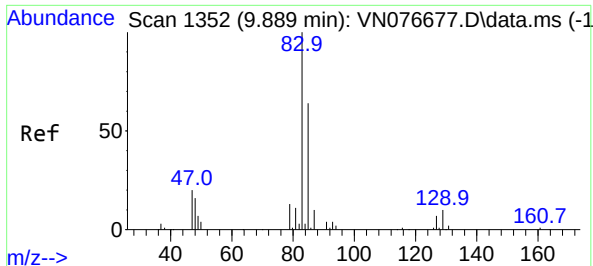
02/18/2023



#40
Dibromomethane
Concen: 5.401 ug/l
RT: 9.713 min Scan# 1322
Delta R.T. -0.000 min
Lab File: VN076676.D
Acq: 15 Feb 2023 10:24

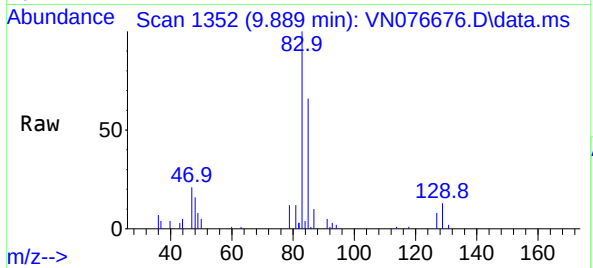
Tgt Ion: 93 Resp: 14769
Ion Ratio Lower Upper
93 100
95 82.8 0.0 158.0
174 85.1 0.0 171.2





#41
Bromodichloromethane
Concen: 5.123 ug/l
RT: 9.889 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN076676.D
Acq: 15 Feb 2023 10:24

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005



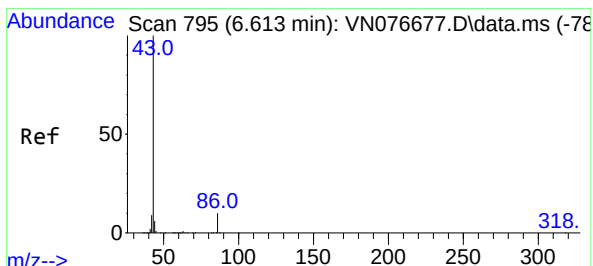
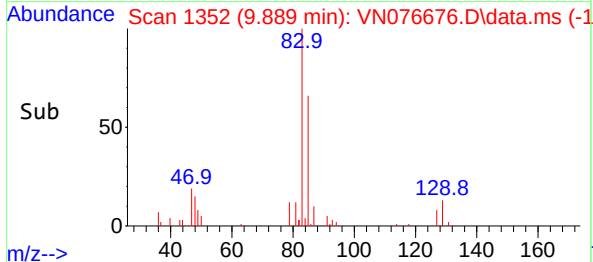
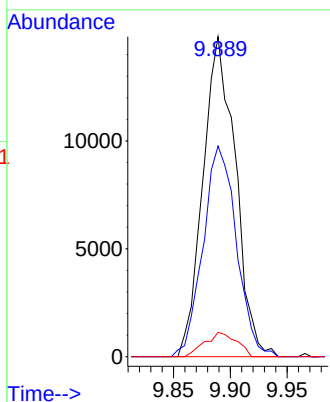
Tgt Ion: 83 Resp: 29454
Ion Ratio Lower Upper
83 100
85 65.8 51.0 76.4
127 7.6 6.2 9.2

Manual Integrations
APPROVED

Reviewed By :John
Carlone

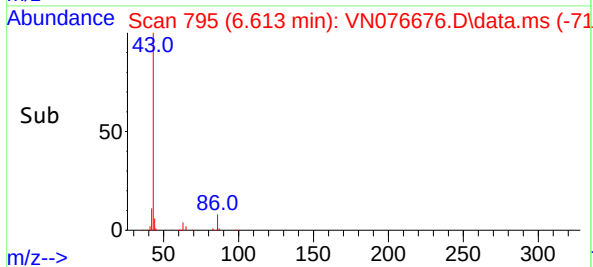
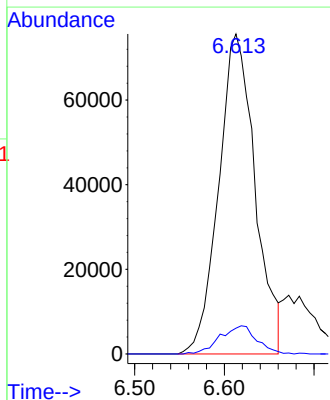
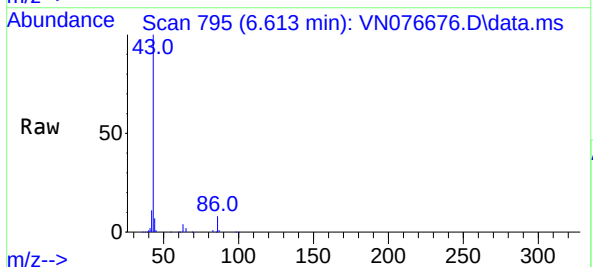
02/16/2023
Supervised By :Mahesh
Dadoda

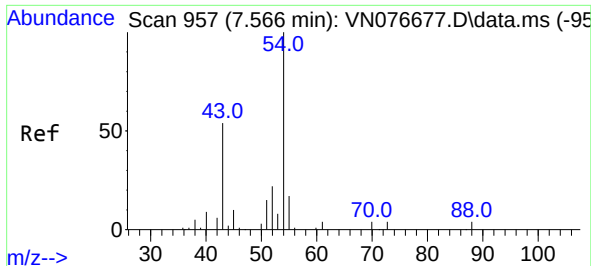
02/18/2023



#42
Vinyl Acetate
Concen: 21.439 ug/l
RT: 6.613 min Scan# 795
Delta R.T. -0.000 min
Lab File: VN076676.D
Acq: 15 Feb 2023 10:24

Tgt Ion: 43 Resp: 213381
Ion Ratio Lower Upper
43 100
86 8.9 7.8 11.6





#43

Ethyl Acetate

Concen: 4.718 ug/l

RT: 7.572 min Scan# 91

Delta R.T. 0.006 min

Lab File: VN076676.D

Acq: 15 Feb 2023 10:24

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC005

Tgt Ion: 43 Resp: 2944

Ion Ratio Lower Upper

43 100

45 14.0 11.2 16.8

Manual Integrations

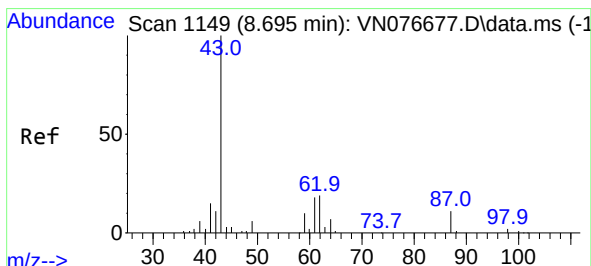
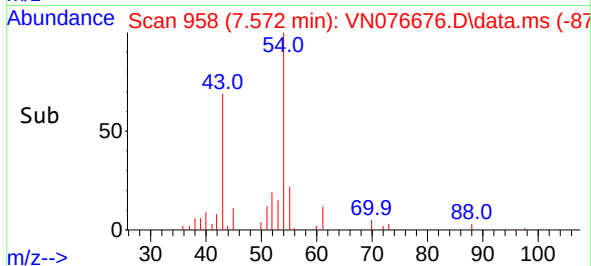
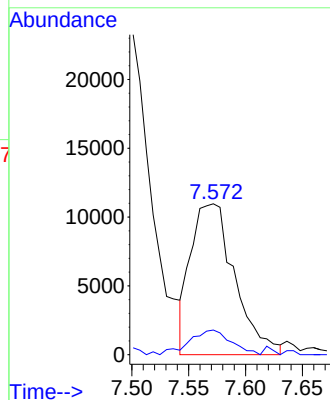
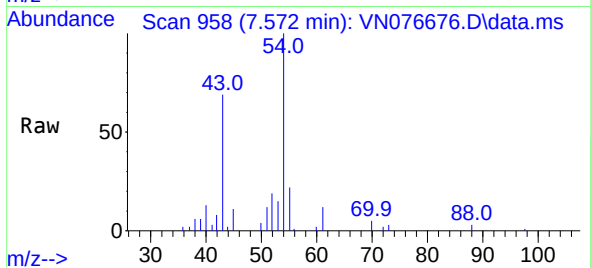
APPROVED

Reviewed By :John
Carlone

02/16/2023

Supervised By :Mahesh
Dadoda

02/18/2023



#44

Isopropyl Acetate

Concen: 4.647 ug/l

RT: 8.689 min Scan# 1148

Delta R.T. -0.006 min

Lab File: VN076676.D

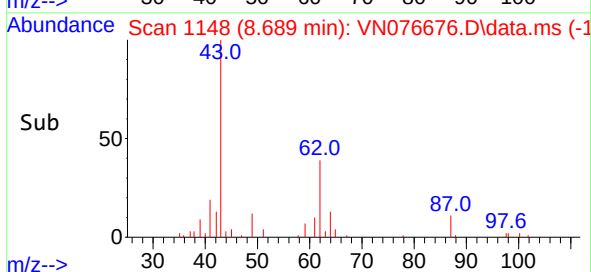
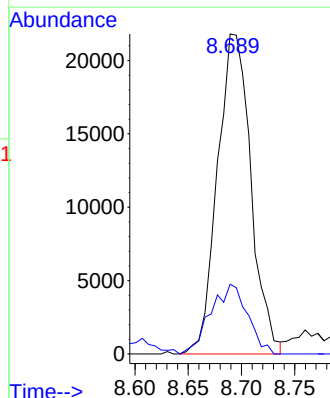
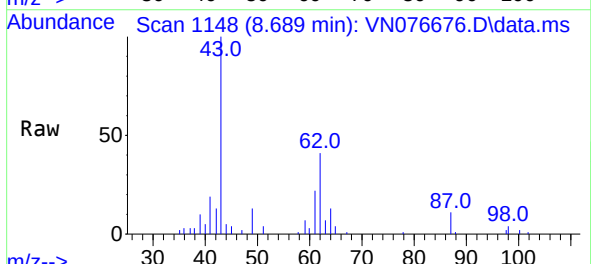
Acq: 15 Feb 2023 10:24

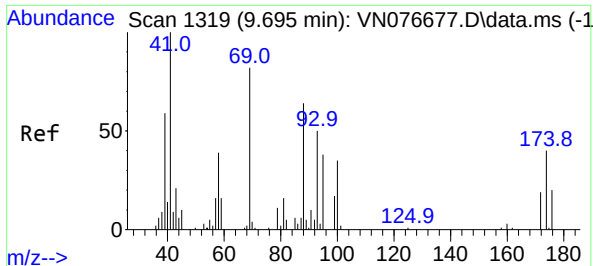
Tgt Ion: 43 Resp: 47692

Ion Ratio Lower Upper

43 100

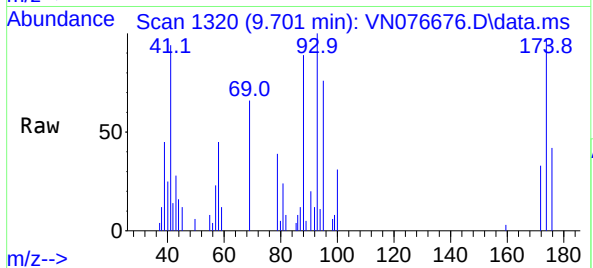
61 23.9 19.5 29.3





#45
1,4-Dioxane
Concen: 101.211 ug/l
RT: 9.701 min Scan# 1320
Delta R.T. 0.006 min
Lab File: VN076676.D
Acq: 15 Feb 2023 10:24

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005



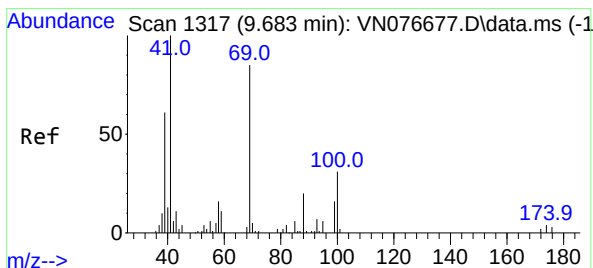
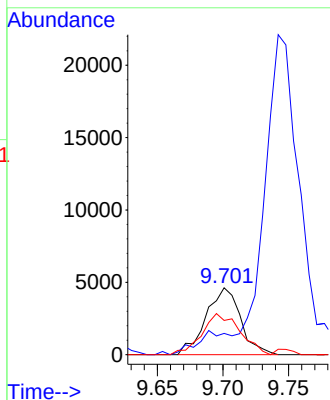
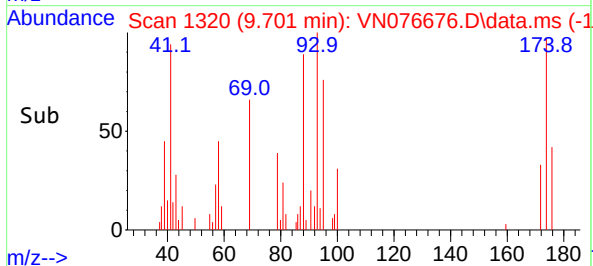
Tgt Ion: 88 Resp: 846
Ion Ratio Lower Upper
88 100
43 22.0 26.0 39.0
58 67.7 54.3 81.5

Manual Integrations
APPROVED

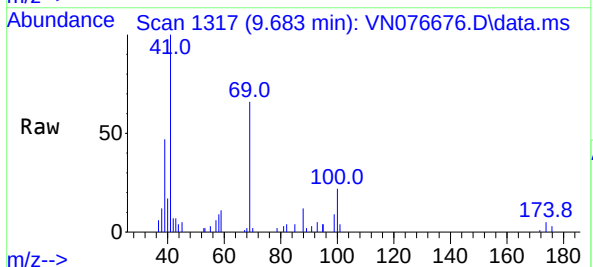
Reviewed By :John
Carlone

02/16/2023
Supervised By :Mahesh
Dadoda

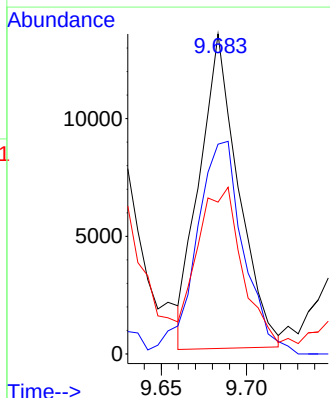
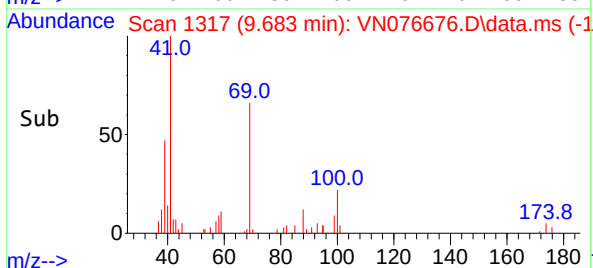
02/18/2023

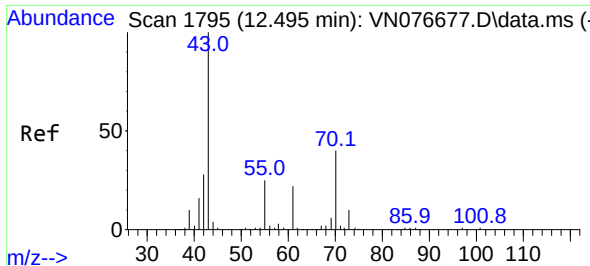


#46
Methyl methacrylate
Concen: 4.285 ug/l
RT: 9.683 min Scan# 1317
Delta R.T. -0.000 min
Lab File: VN076676.D
Acq: 15 Feb 2023 10:24



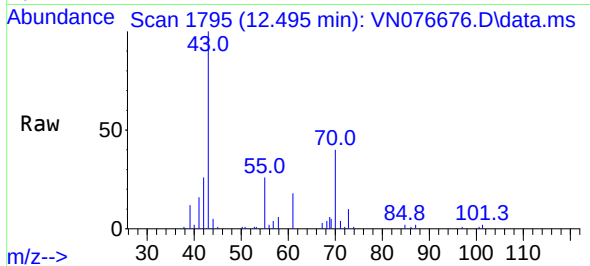
Tgt Ion: 41 Resp: 21205
Ion Ratio Lower Upper
41 100
69 65.4 40.6 121.7
39 46.6 30.5 91.5





#47
n-amyl acetate
Concen: 4.401 ug/l
RT: 12.495 min Scan# 1795
Delta R.T. -0.000 min
Lab File: VN076676.D
Acq: 15 Feb 2023 10:24

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005



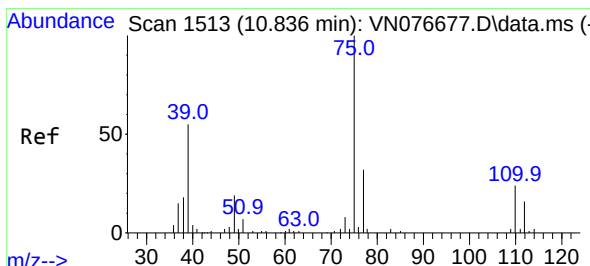
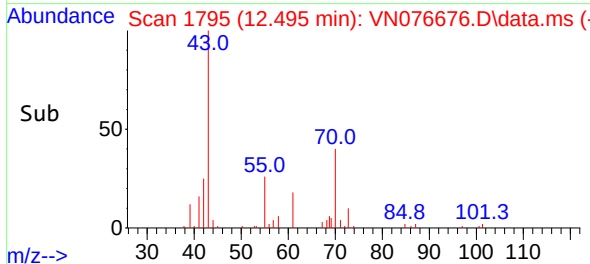
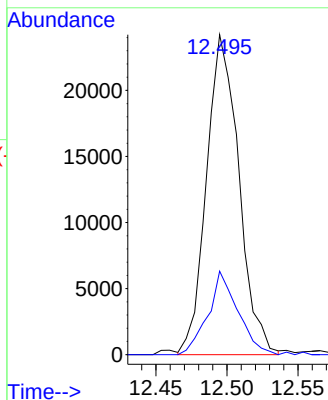
Tgt Ion: 43 Resp: 38392
Ion Ratio Lower Upper
43 100
55 24.1 18.3 27.5

Manual Integrations
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Reviewed By :John
Carlone

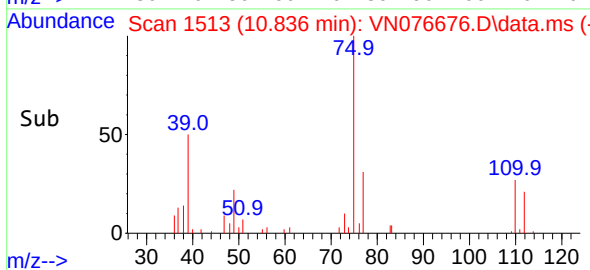
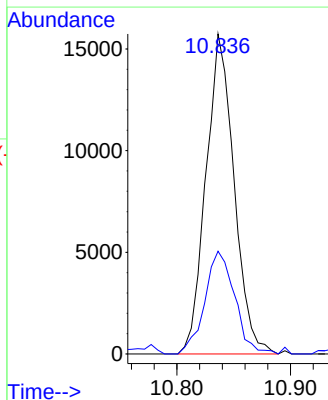
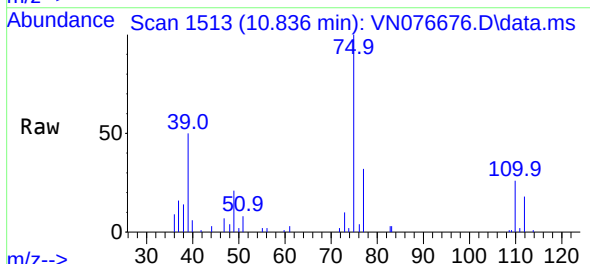
02/16/2023
Supervised By :Mahesh
Dadoda

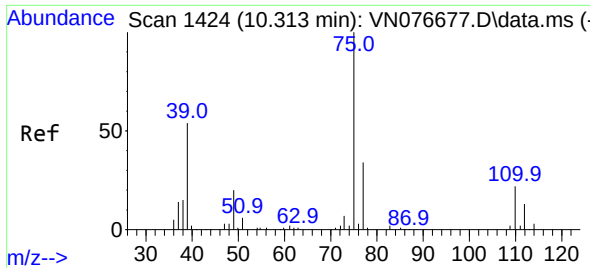
02/18/2023



#48
t-1,3-Dichloropropene
Concen: 4.686 ug/l
RT: 10.836 min Scan# 1513
Delta R.T. -0.000 min
Lab File: VN076676.D
Acq: 15 Feb 2023 10:24

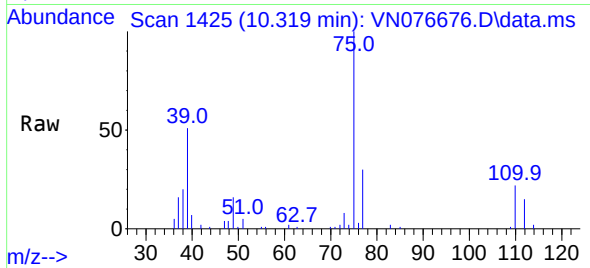
Tgt Ion: 75 Resp: 27120
Ion Ratio Lower Upper
75 100
77 32.1 25.4 38.2





#49
cis-1,3-Dichloropropene
Concen: 5.069 ug/l
RT: 10.319 min Scan# 1424
Delta R.T. 0.006 min
Lab File: VN076676.D
Acq: 15 Feb 2023 10:24

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005



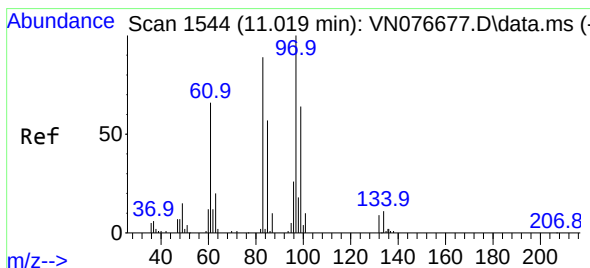
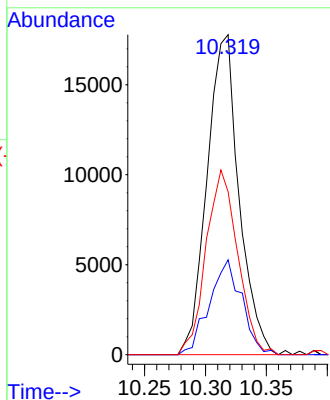
Tgt Ion: 75 Resp: 3243
Ion Ratio Lower Upper
75 100
77 29.6 27.5 41.3
39 50.9 43.5 65.3

Manual Integrations
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Reviewed By :John
Carlone

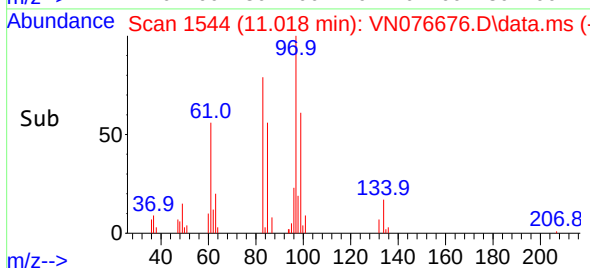
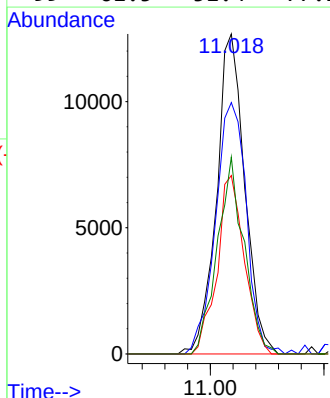
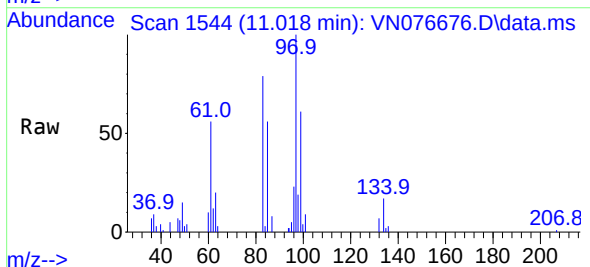
02/16/2023
Supervised By :Mahesh
Dadoda

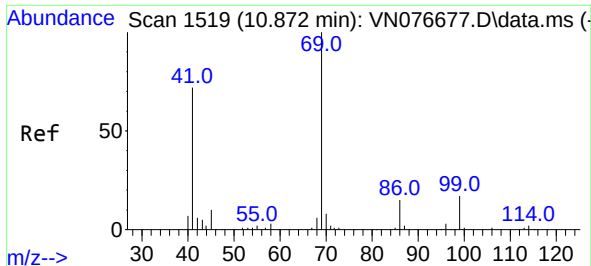
02/18/2023



#50
1,1,2-Trichloroethane
Concen: 5.886 ug/l
RT: 11.018 min Scan# 1544
Delta R.T. -0.000 min
Lab File: VN076676.D
Acq: 15 Feb 2023 10:24

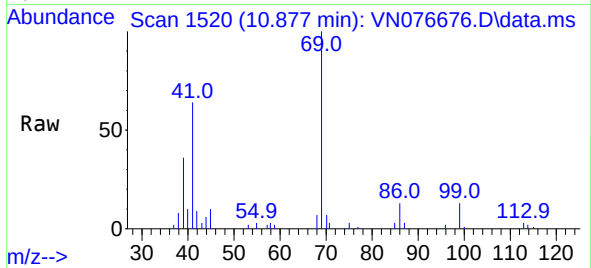
Tgt Ion: 97 Resp: 21858
Ion Ratio Lower Upper
97 100
83 78.5 71.0 106.4
85 55.7 45.5 68.3
99 61.5 51.4 77.2





#51
Ethyl methacrylate
Concen: 4.729 ug/l
RT: 10.877 min Scan# 1519
Delta R.T. 0.006 min
Lab File: VN076676.D
Acq: 15 Feb 2023 10:24

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005



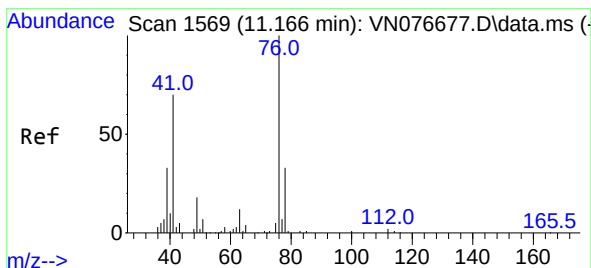
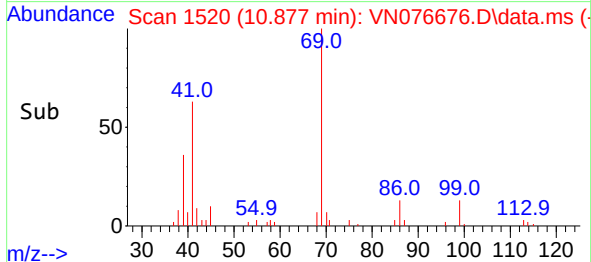
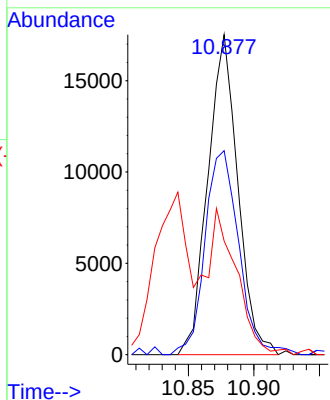
Tgt Ion: 69 Resp: 27889
Ion Ratio Lower Upper
69 100
41 61.6 36.3 108.7
39 34.1 19.9 59.7

Manual Integrations
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Reviewed By :John
Carlone

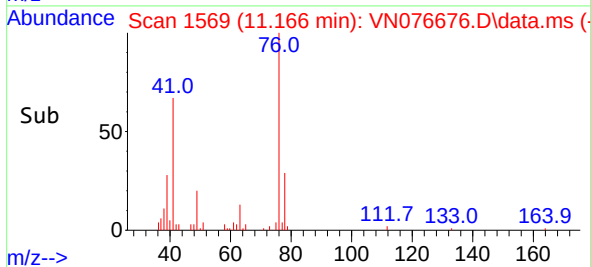
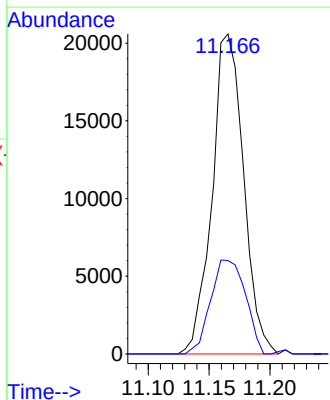
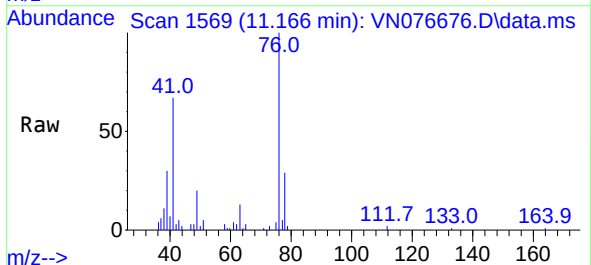
02/16/2023
Supervised By :Mahesh
Dadoda

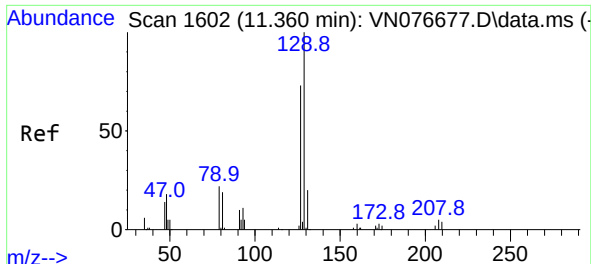
02/18/2023



#52
1,3-Dichloropropane
Concen: 5.353 ug/l
RT: 11.166 min Scan# 1569
Delta R.T. -0.000 min
Lab File: VN076676.D
Acq: 15 Feb 2023 10:24

Tgt Ion: 76 Resp: 37057
Ion Ratio Lower Upper
76 100
78 32.5 0.0 65.4





#53
Dibromochloromethane
Concen: 5.439 ug/l
RT: 11.366 min Scan# 1602
Delta R.T. 0.006 min
Lab File: VN076676.D
Acq: 15 Feb 2023 10:24

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

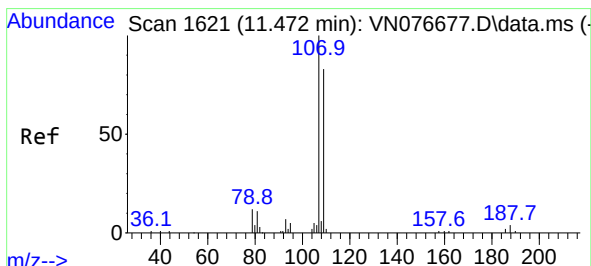
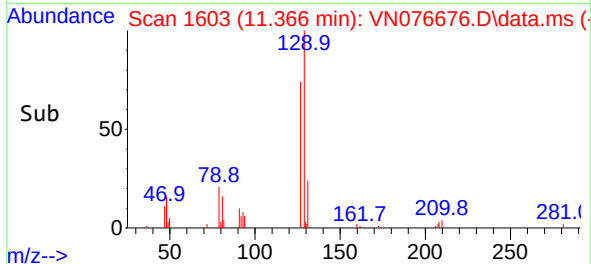
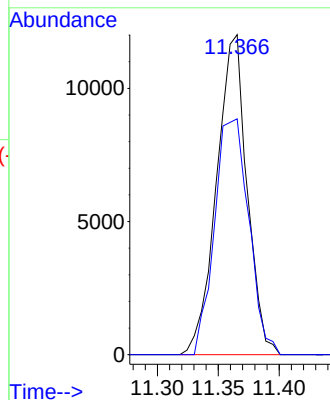
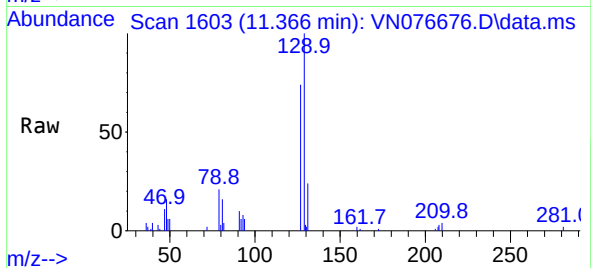
Tgt Ion:129 Resp: 2099
Ion Ratio Lower Upper
129 100
127 82.7 39.4 118.1

Manual Integrations
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Reviewed By :John
Carlone

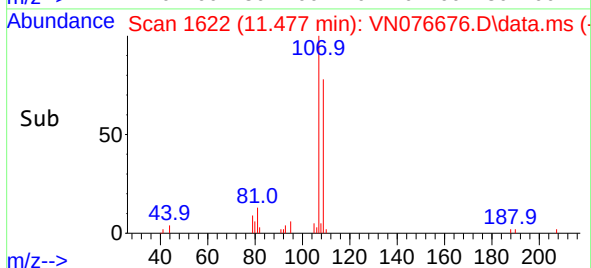
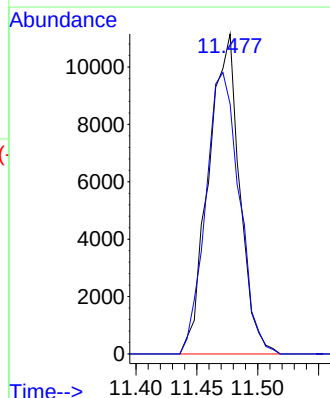
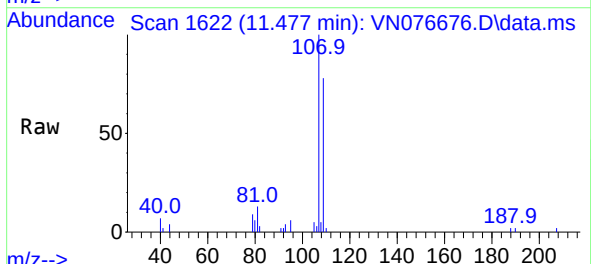
02/16/2023
Supervised By :Mahesh
Dadoda

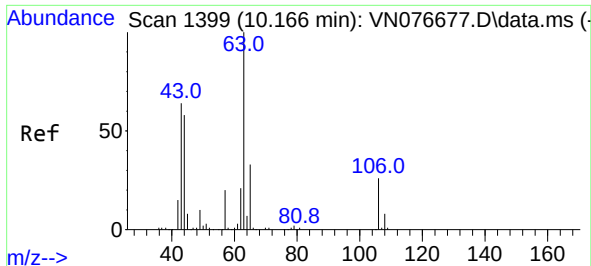
02/18/2023



#54
1,2-Dibromoethane
Concen: 5.269 ug/l
RT: 11.477 min Scan# 1622
Delta R.T. 0.006 min
Lab File: VN076676.D
Acq: 15 Feb 2023 10:24

Tgt Ion:107 Resp: 19800
Ion Ratio Lower Upper
107 100
109 95.3 74.6 112.0





#55
2-Chloroethyl vinyl ether
Concen: 23.905 ug/l
RT: 10.160 min Scan# 11
Delta R.T. -0.006 min
Lab File: VN076676.D
Acq: 15 Feb 2023 10:24

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

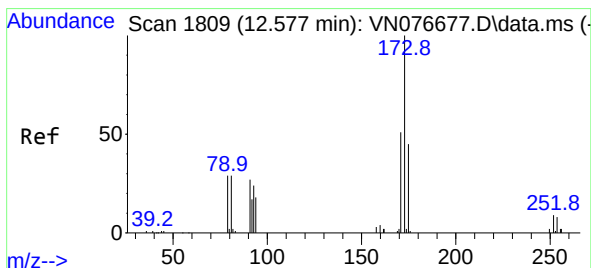
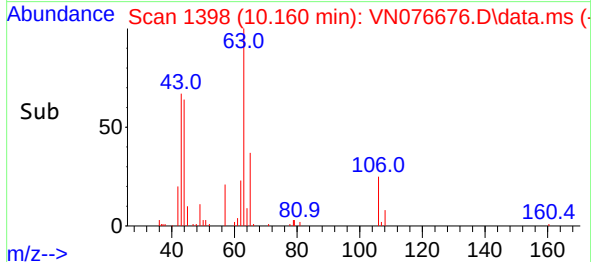
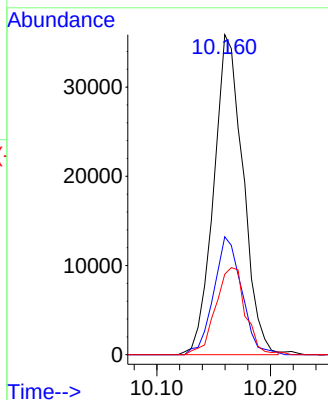
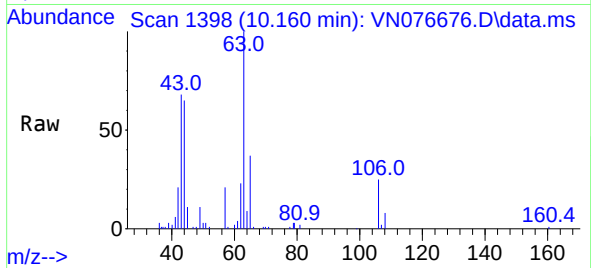
Tgt Ion: 63 Resp: 64392
Ion Ratio Lower Upper
63 100
65 35.2 26.3 39.5
106 27.4 21.6 32.4

Manual Integrations
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Reviewed By :John
Carlone

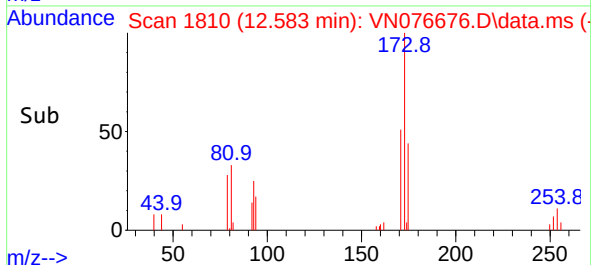
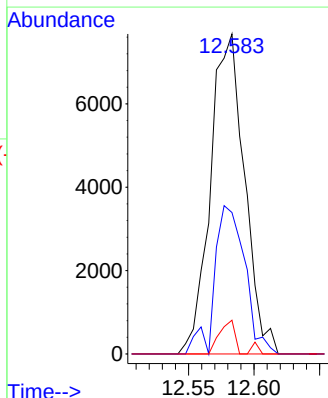
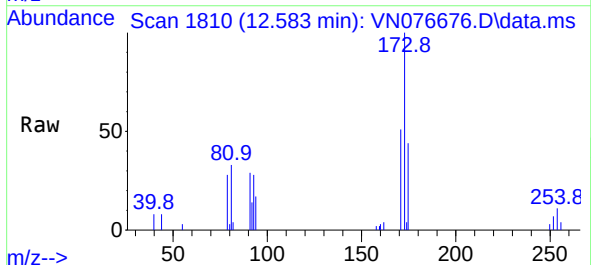
02/16/2023
Supervised By :Mahesh
Dadoda

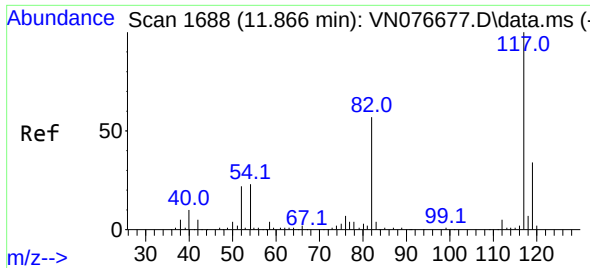
02/18/2023



#56
Bromoform
Concen: 5.583 ug/l
RT: 12.583 min Scan# 1810
Delta R.T. 0.006 min
Lab File: VN076676.D
Acq: 15 Feb 2023 10:24

Tgt Ion:173 Resp: 13876
Ion Ratio Lower Upper
173 100
175 37.2 37.8 56.6#
254 4.7 7.3 10.9#





#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.865 min Scan# 117
Delta R.T. -0.000 min
Lab File: VN076676.D
Acq: 15 Feb 2023 10:24

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC005

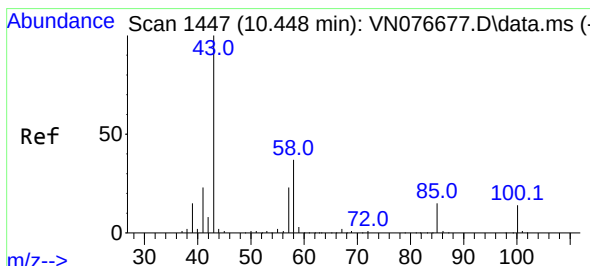
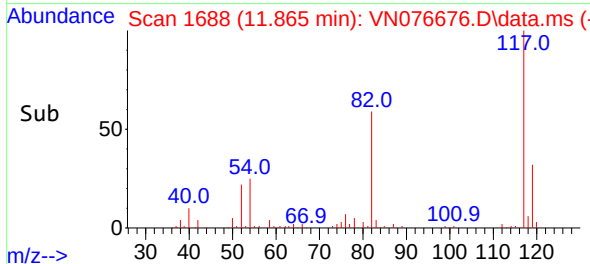
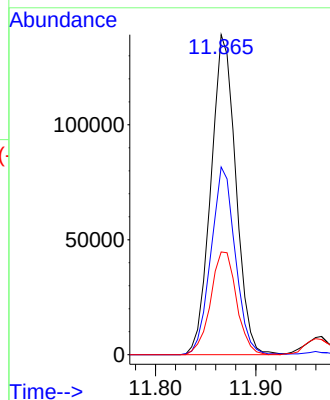
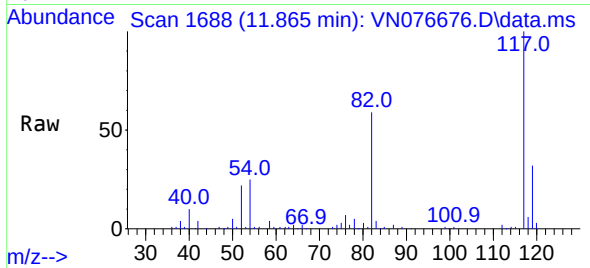
Tgt Ion:117 Resp: 240062
Ion Ratio Lower Upper
117 100
82 57.4 45.4 68.0
119 33.5 26.8 40.2

Manual Integrations
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Reviewed By :John
Carlone

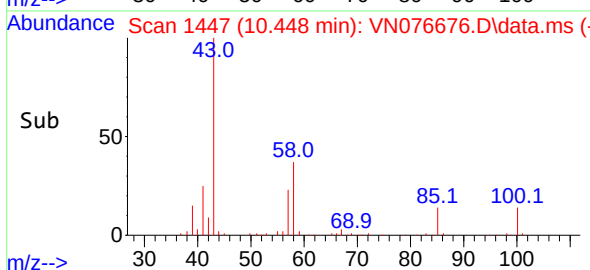
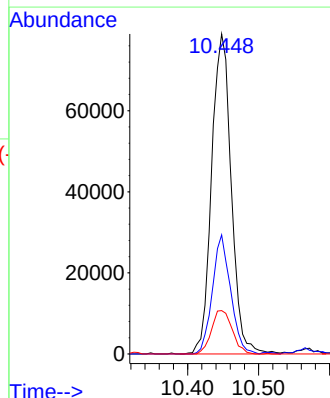
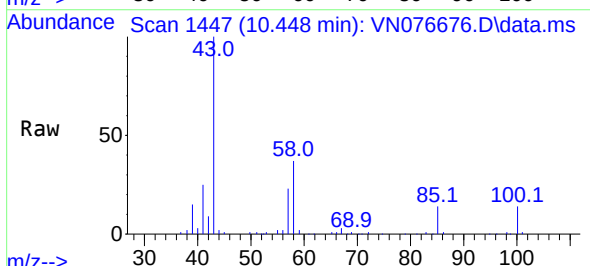
02/16/2023
Supervised By :Mahesh
Dadoda

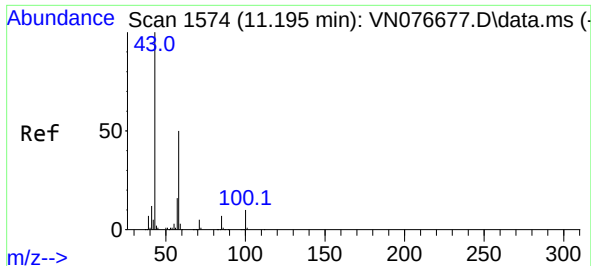
02/18/2023



#58
4-Methyl-2-Pentanone
Concen: 22.560 ug/l
RT: 10.448 min Scan# 1447
Delta R.T. -0.000 min
Lab File: VN076676.D
Acq: 15 Feb 2023 10:24

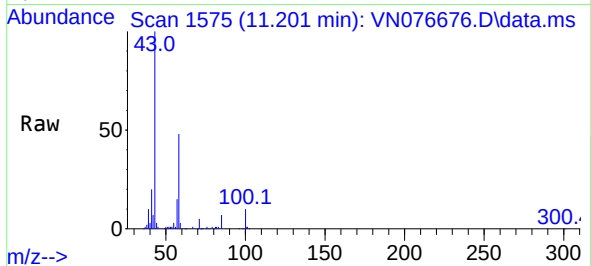
Tgt Ion: 43 Resp: 151398
Ion Ratio Lower Upper
43 100
58 34.5 28.6 42.8
85 14.4 11.8 17.8





#59
2-Hexanone
Concen: 22.400 ug/l
RT: 11.201 min Scan# 1575
Delta R.T. 0.006 min
Lab File: VN076676.D
Acq: 15 Feb 2023 10:24

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005



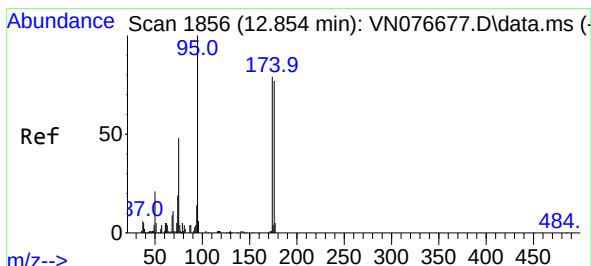
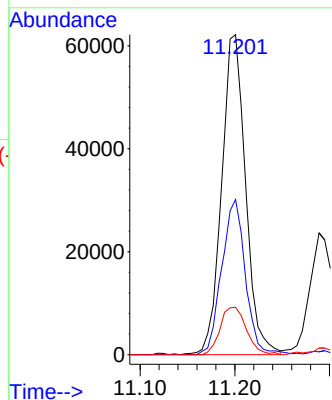
Tgt Ion: 43 Resp: 109298
Ion Ratio Lower Upper
43 100
58 48.0 40.6 60.8
57 16.1 13.1 19.7

Manual Integrations
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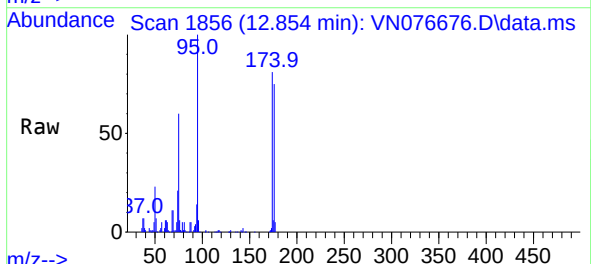
Reviewed By :John
Carlone

02/16/2023
Supervised By :Mahesh
Dadoda

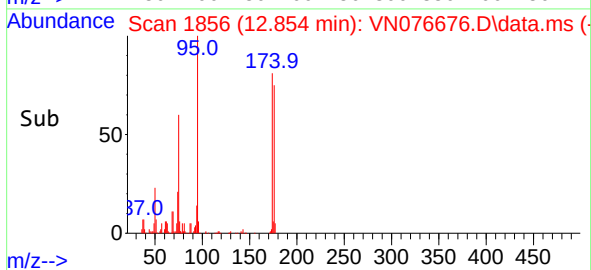
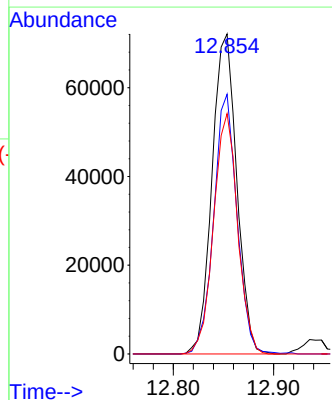
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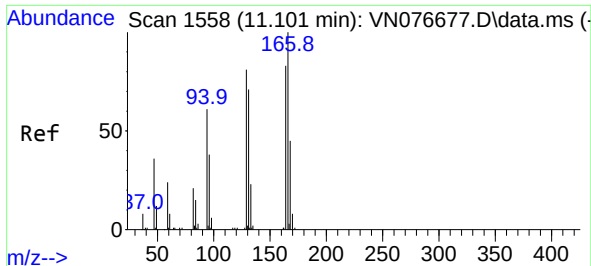


#60
4-Bromofluorobenzene
Concen: 22.774 ug/l
RT: 12.854 min Scan# 1856
Delta R.T. -0.000 min
Lab File: VN076676.D
Acq: 15 Feb 2023 10:24



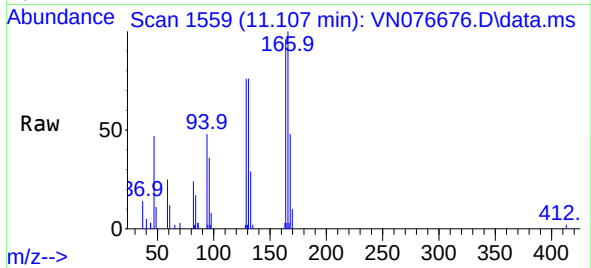
Tgt Ion: 95 Resp: 123426
Ion Ratio Lower Upper
95 100
174 76.6 64.2 96.4
176 73.2 61.4 92.0





#61
Tetrachloroethene
Concen: 5.761 ug/l
RT: 11.107 min Scan# 1558
Delta R.T. 0.006 min
Lab File: VN076676.D
Acq: 15 Feb 2023 10:24

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005



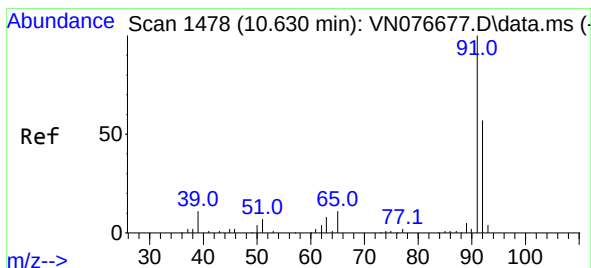
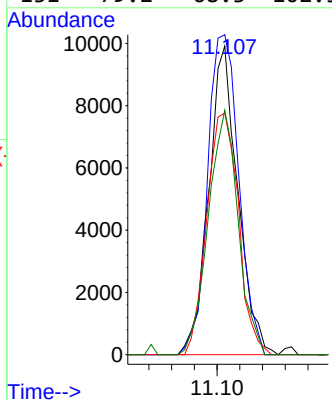
Tgt Ion:164 Resp: 17679
Ion Ratio Lower Upper
164 100
166 103.7 96.2 144.2
129 78.3 78.2 117.4
131 79.2 68.3 102.5

Manual Integrations
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Reviewed By :John
Carlone

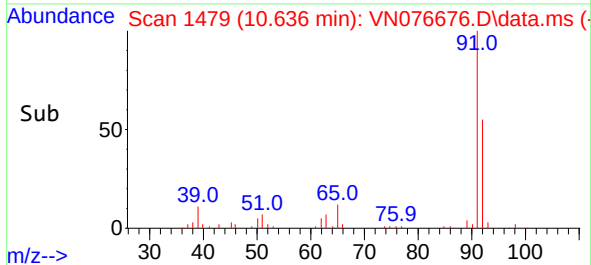
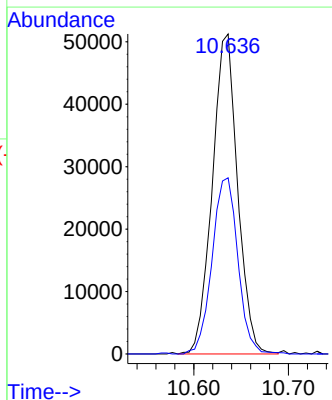
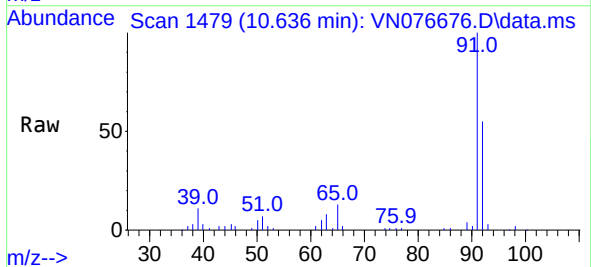
02/16/2023
Supervised By :Mahesh
Dadoda

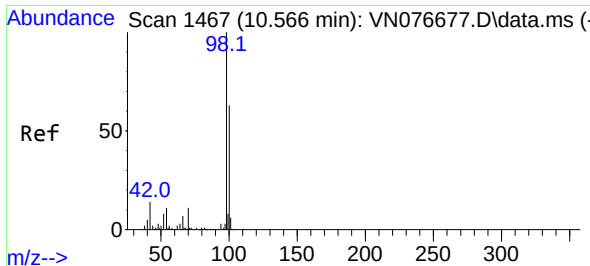
02/18/2023



#62
Toluene
Concen: 5.356 ug/l
RT: 10.636 min Scan# 1479
Delta R.T. 0.006 min
Lab File: VN076676.D
Acq: 15 Feb 2023 10:24

Tgt Ion: 91 Resp: 95325
Ion Ratio Lower Upper
91 100
92 55.8 46.3 69.5





#63
Toluene-d8
Concen: 29.705 ug/l
RT: 10.571 min Scan# 1468
Delta R.T. 0.006 min
Lab File: VN076676.D
Acq: 15 Feb 2023 10:24

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

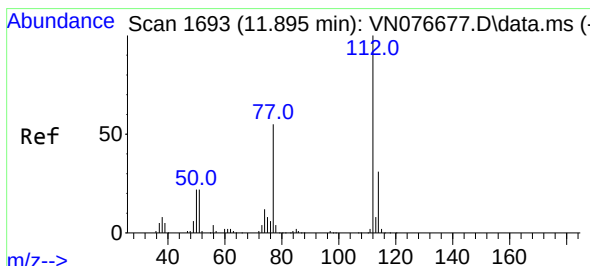
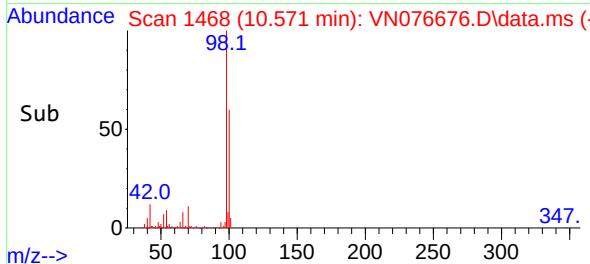
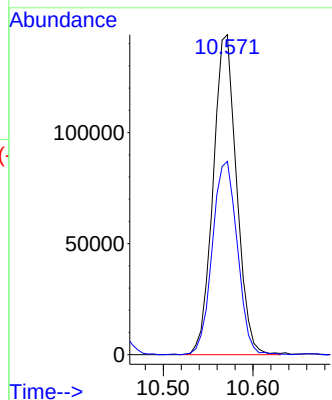
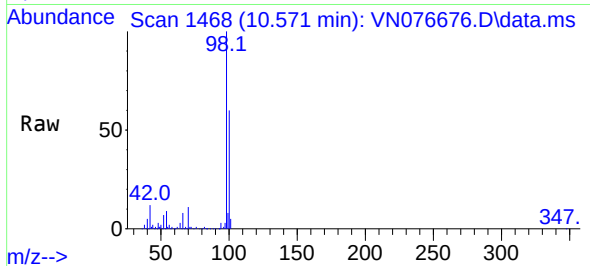
Tgt Ion: 98 Resp: 261839
Ion Ratio Lower Upper
98 100
100 63.9 53.8 80.6

Manual Integrations
APPROVED

Reviewed By :John
Carlone

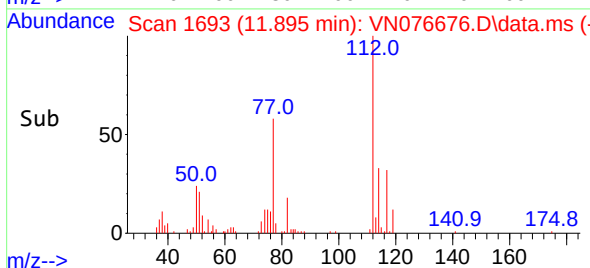
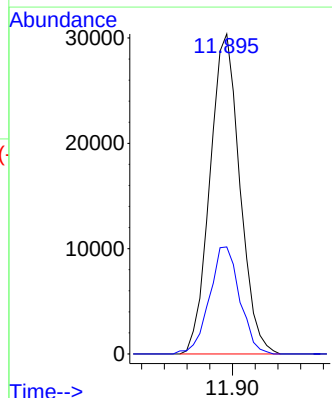
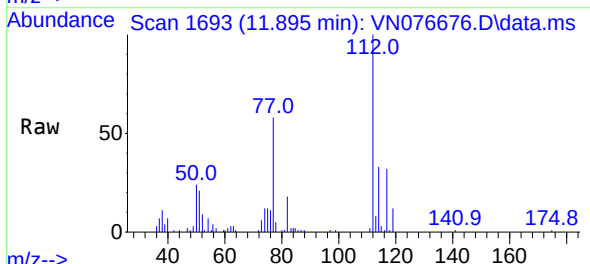
02/16/2023
Supervised By :Mahesh
Dadoda

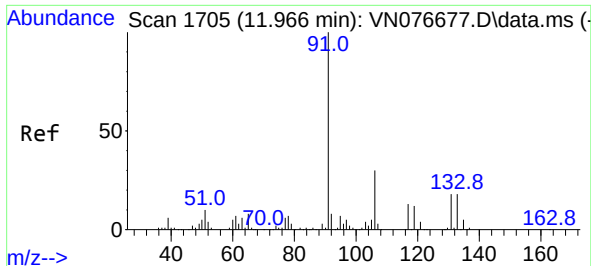
02/18/2023



#64
Chlorobenzene
Concen: 5.380 ug/l
RT: 11.895 min Scan# 1693
Delta R.T. -0.000 min
Lab File: VN076676.D
Acq: 15 Feb 2023 10:24

Tgt Ion:112 Resp: 55473
Ion Ratio Lower Upper
112 100
114 33.4 24.5 36.7





#65
1,1,1,2-Tetrachloroethane
Concen: 5.223 ug/l
RT: 11.965 min Scan# 1705
Delta R.T. -0.000 min
Lab File: VN076676.D
Acq: 15 Feb 2023 10:24

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

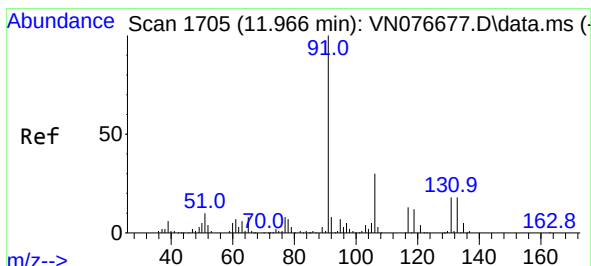
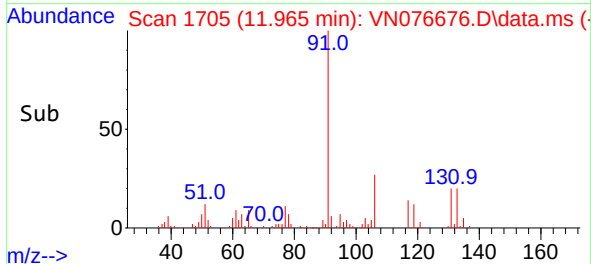
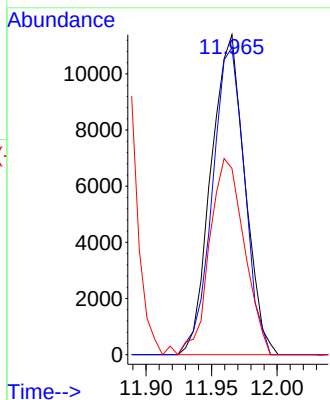
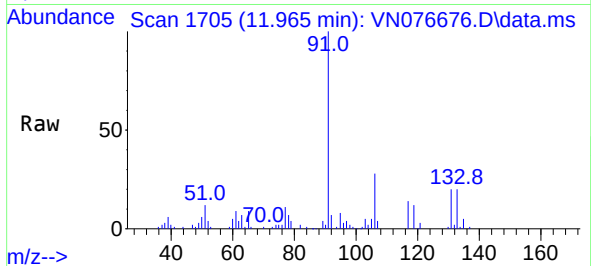
Tgt Ion:131 Resp: 20414
Ion Ratio Lower Upper
131 100
133 91.8 0.0 197.6
119 62.9 0.0 127.8

Manual Integrations
APPROVED

Reviewed By :John
Carlone

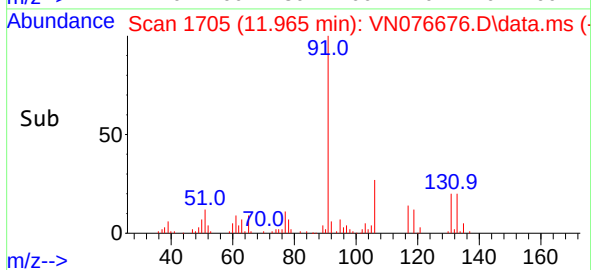
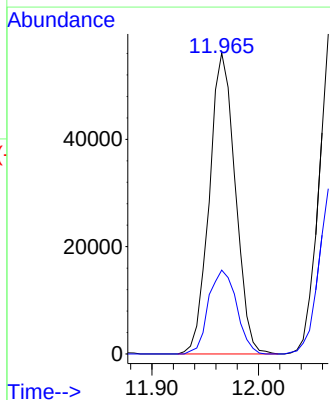
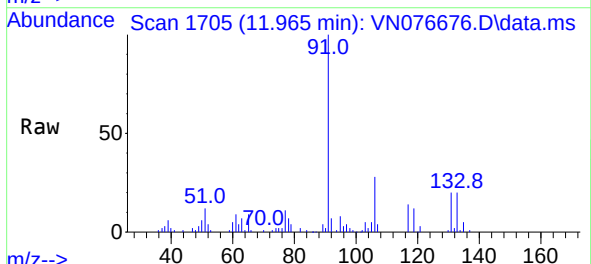
02/16/2023
Supervised By :Mahesh
Dadoda

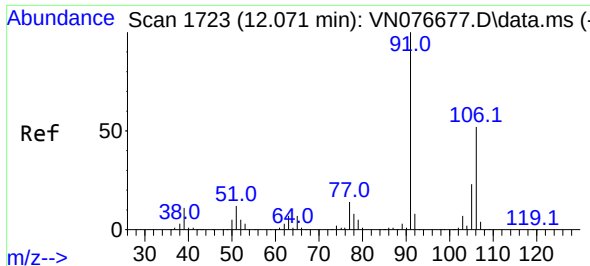
02/18/2023



#66
Ethyl Benzene
Concen: 4.865 ug/l
RT: 11.965 min Scan# 1705
Delta R.T. -0.000 min
Lab File: VN076676.D
Acq: 15 Feb 2023 10:24

Tgt Ion: 91 Resp: 94925
Ion Ratio Lower Upper
91 100
106 27.9 23.8 35.8





#67
m/p-Xylenes
Concen: 9.872 ug/l
RT: 12.077 min Scan# 1723
Delta R.T. 0.006 min
Lab File: VN076676.D
Acq: 15 Feb 2023 10:24

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

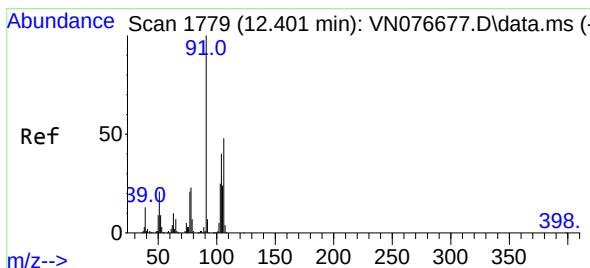
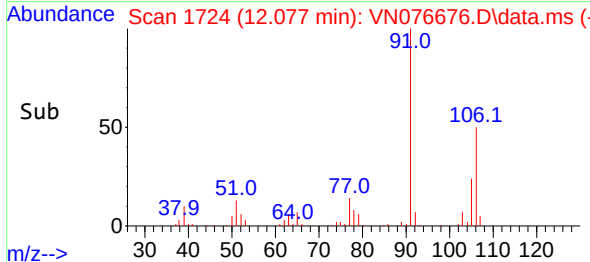
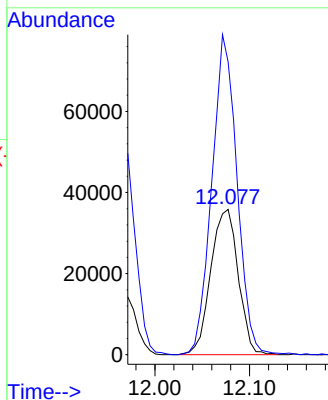
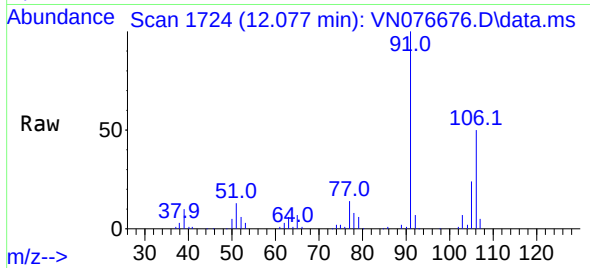
Tgt Ion:106 Resp: 72275
Ion Ratio Lower Upper
106 100
91 201.5 157.4 236.2

Manual Integrations
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Reviewed By :John
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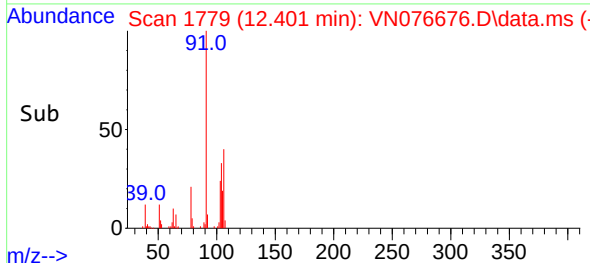
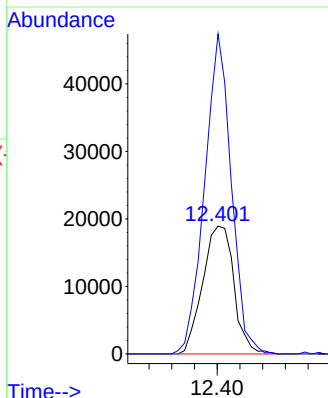
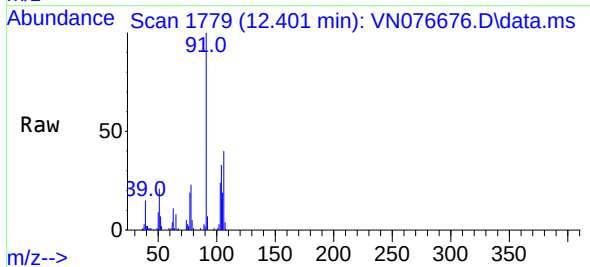
02/16/2023
Supervised By :Mahesh
Dadoda

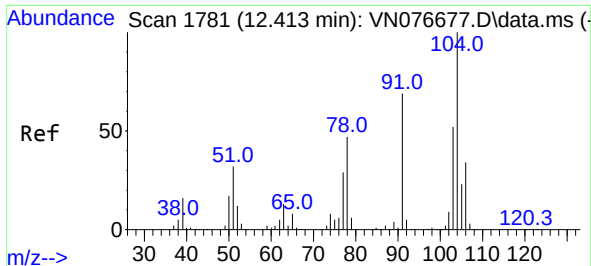
02/18/2023



#68
o-Xylene
Concen: 5.010 ug/l
RT: 12.401 min Scan# 1779
Delta R.T. -0.000 min
Lab File: VN076676.D
Acq: 15 Feb 2023 10:24

Tgt Ion:106 Resp: 36137
Ion Ratio Lower Upper
106 100
91 213.6 107.2 321.6





#69
Styrene
Concen: 4.827 ug/l
RT: 12.413 min Scan# 1781
Delta R.T. -0.000 min
Lab File: VN076676.D
Acq: 15 Feb 2023 10:24

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

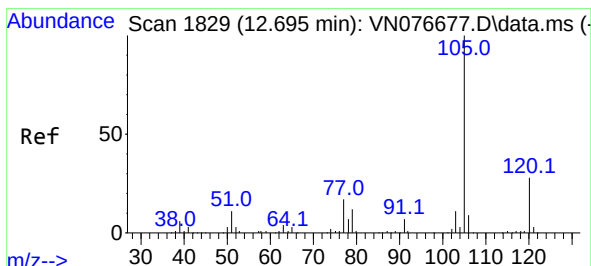
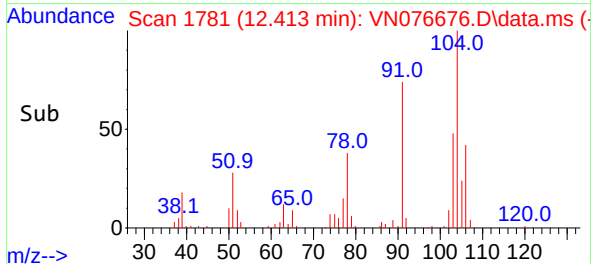
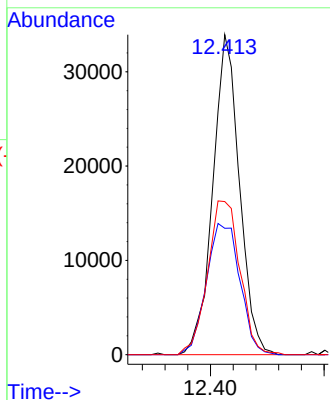
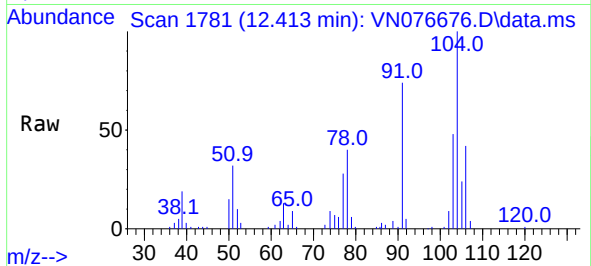
Tgt Ion:104 Resp: 5526
Ion Ratio Lower Upper
104 100
78 51.5 39.6 59.4
103 58.3 43.9 65.9

Manual Integrations
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Reviewed By :John
Carlone

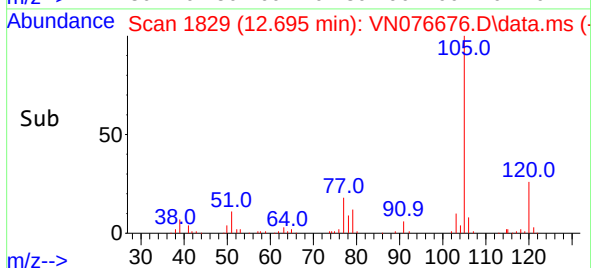
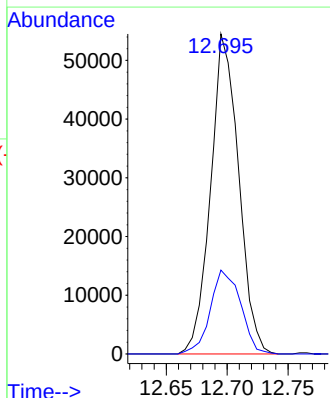
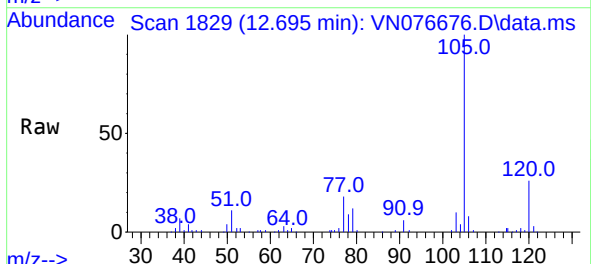
02/16/2023
Supervised By :Mahesh
Dadoda

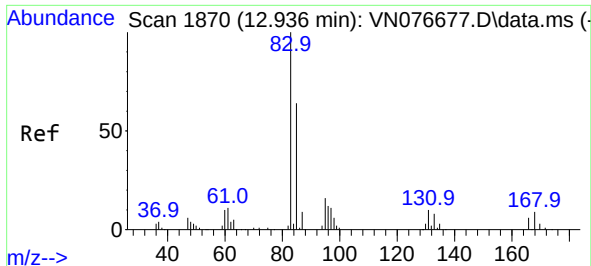
02/18/2023



#70
Isopropylbenzene
Concen: 4.511 ug/l
RT: 12.695 min Scan# 1829
Delta R.T. -0.000 min
Lab File: VN076676.D
Acq: 15 Feb 2023 10:24

Tgt Ion:105 Resp: 87194
Ion Ratio Lower Upper
105 100
120 28.3 19.0 35.2





#71
1,1,2,2-Tetrachloroethane
Concen: 4.654 ug/l
RT: 12.942 min Scan# 1871
Delta R.T. 0.006 min
Lab File: VN076676.D
Acq: 15 Feb 2023 10:24

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

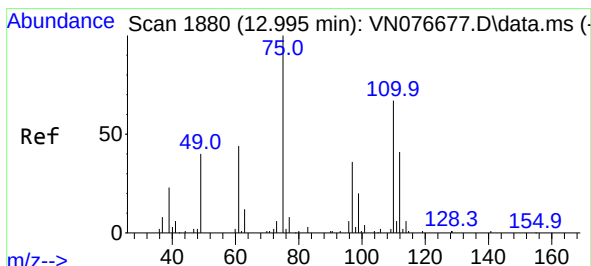
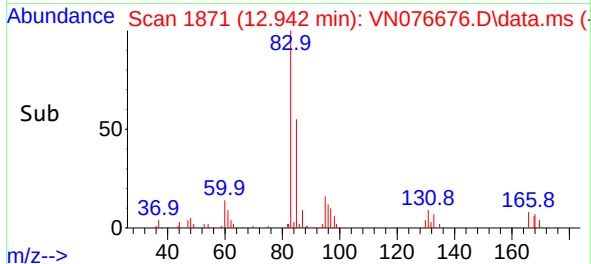
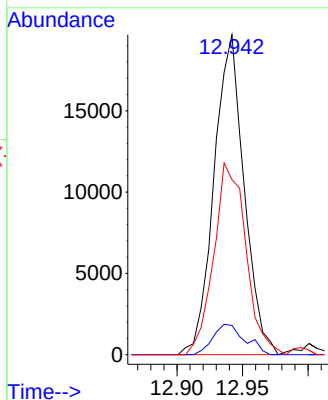
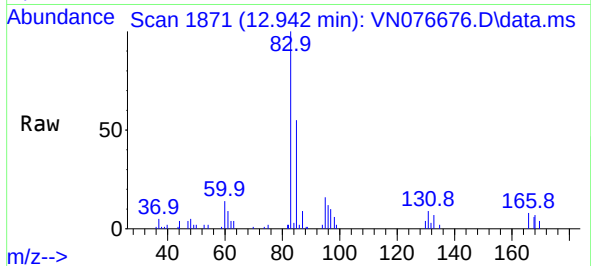
Tgt Ion: 83 Resp: 3136
Ion Ratio Lower Upper
83 100
131 8.8 5.0 14.9
85 63.8 32.3 96.9

Manual Integrations
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Reviewed By :John
Carlone

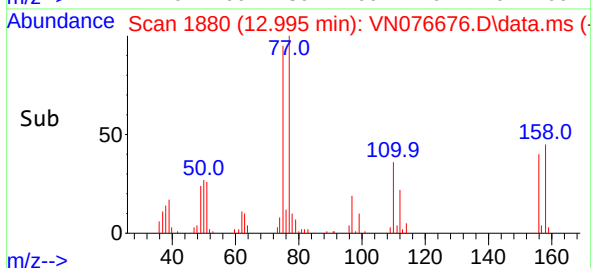
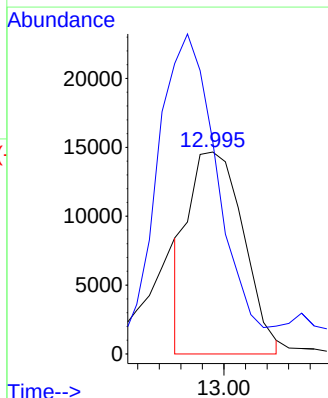
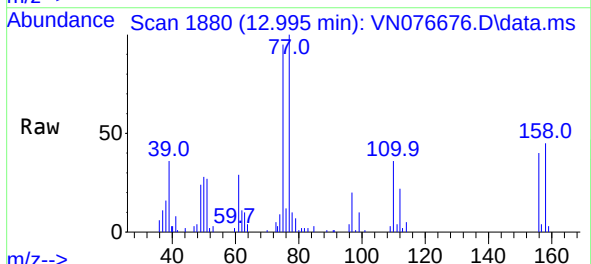
02/16/2023
Supervised By :Mahesh
Dadoda

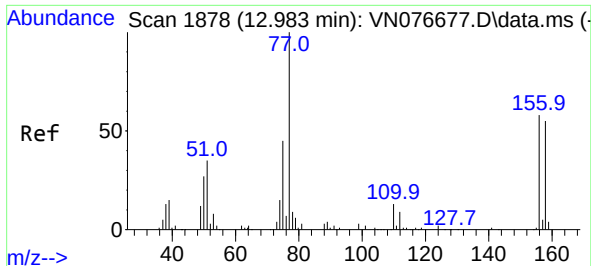
02/18/2023



#72
1,2,3-Trichloropropane
Concen: 4.187 ug/l m
RT: 12.995 min Scan# 1880
Delta R.T. -0.000 min
Lab File: VN076676.D
Acq: 15 Feb 2023 10:24

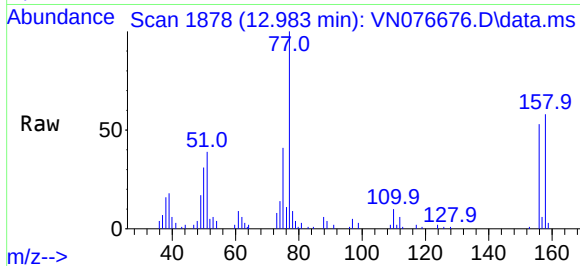
Tgt Ion: 75 Resp: 25770
Ion Ratio Lower Upper
75 100
77 179.5 0.0 332.6





#73
Bromobenzene
Concen: 4.308 ug/l
RT: 12.983 min Scan# 1878
Delta R.T. -0.000 min
Lab File: VN076676.D
Acq: 15 Feb 2023 10:24

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005



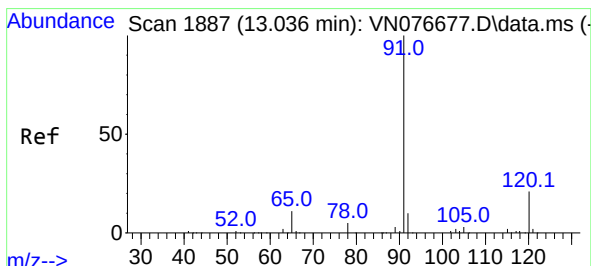
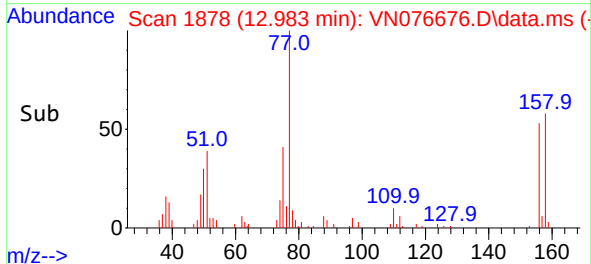
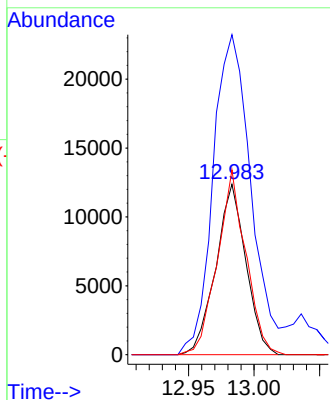
Tgt Ion:156 Resp: 19759
Ion Ratio Lower Upper
156 100
77 234.2 0.0 423.0
158 102.5 0.0 188.6

Manual Integrations
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Reviewed By :John
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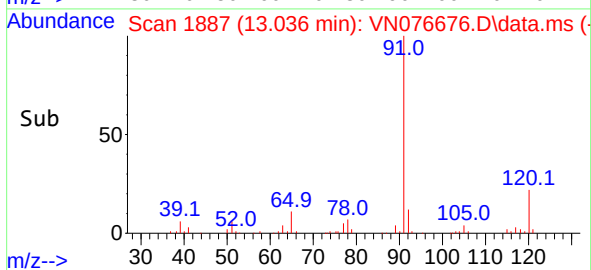
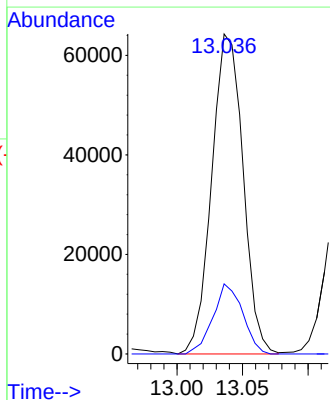
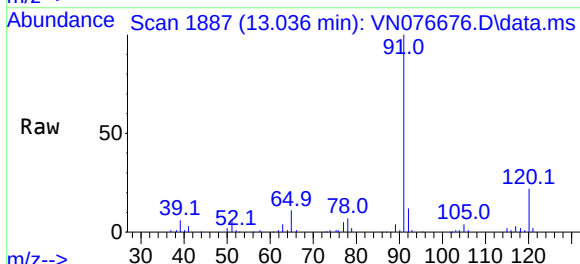
02/16/2023
Supervised By :Mahesh
Dadoda

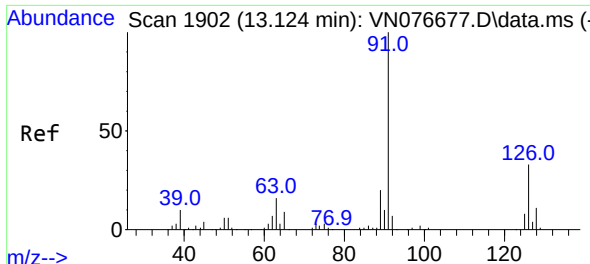
02/18/2023



#74
n-propylbenzene
Concen: 4.313 ug/l
RT: 13.036 min Scan# 1887
Delta R.T. -0.000 min
Lab File: VN076676.D
Acq: 15 Feb 2023 10:24

Tgt Ion: 91 Resp: 106920
Ion Ratio Lower Upper
91 100
120 20.7 0.0 44.0





#75
2-Chlorotoluene
Concen: 4.257 ug/l
RT: 13.130 min Scan# 1903
Delta R.T. 0.006 min
Lab File: VN076676.D
Acq: 15 Feb 2023 10:24

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

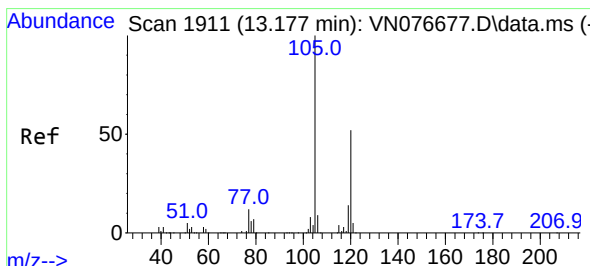
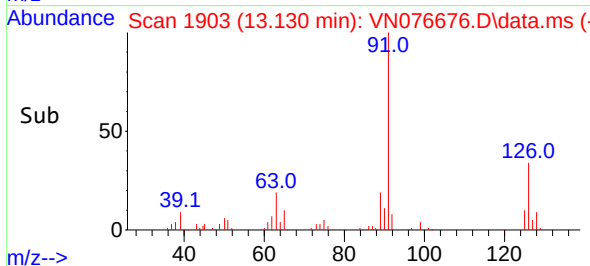
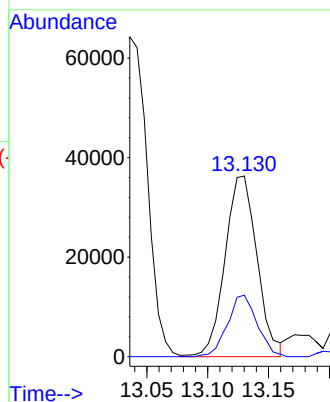
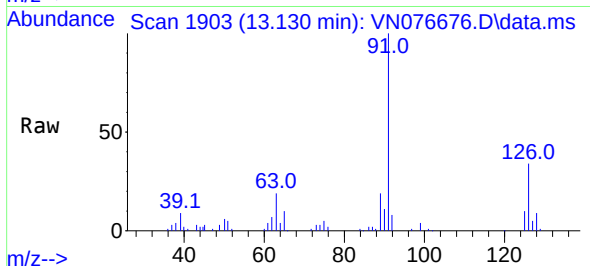
Tgt Ion: 91 Resp: 66370
Ion Ratio Lower Upper
91 100
126 31.5 0.0 66.4

Manual Integrations
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Reviewed By :John
Carlone

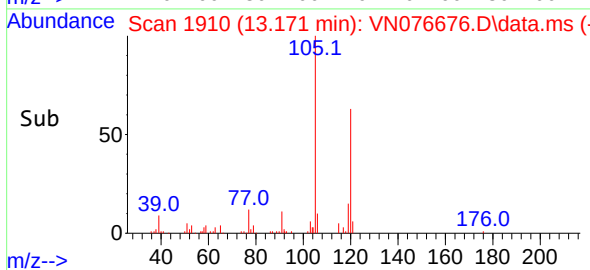
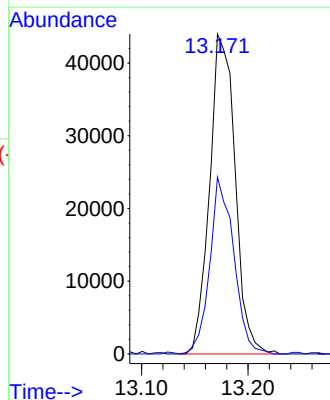
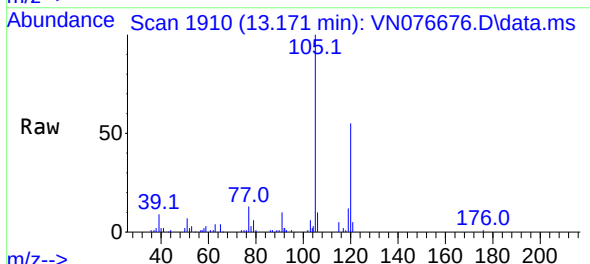
02/16/2023
Supervised By :Mahesh
Dadoda

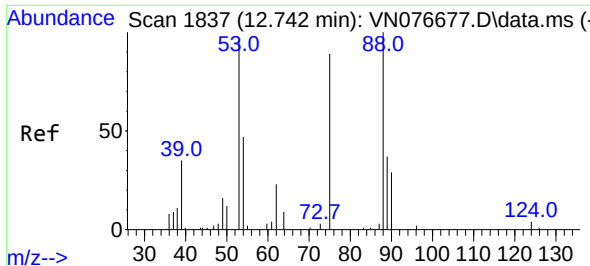
02/18/2023



#76
1,3,5-Trimethylbenzene
Concen: 4.062 ug/l
RT: 13.171 min Scan# 1910
Delta R.T. -0.006 min
Lab File: VN076676.D
Acq: 15 Feb 2023 10:24

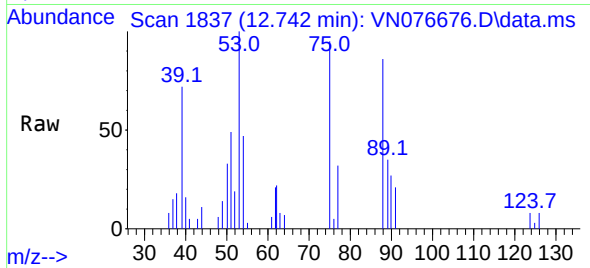
Tgt Ion:105 Resp: 73311
Ion Ratio Lower Upper
105 100
120 51.8 0.0 103.2





#77
t-1,4-Dichloro-2-butene
Concen: 4.432 ug/l
RT: 12.742 min Scan# 1837
Delta R.T. -0.000 min
Lab File: VN076676.D
Acq: 15 Feb 2023 10:24

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005



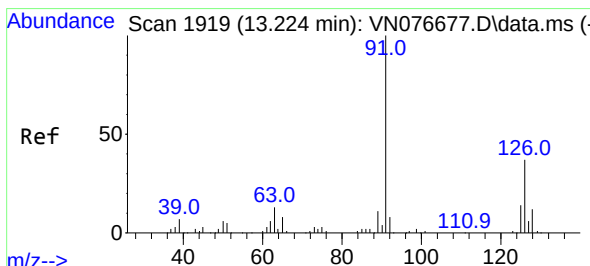
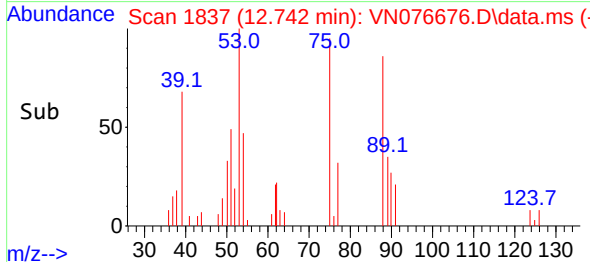
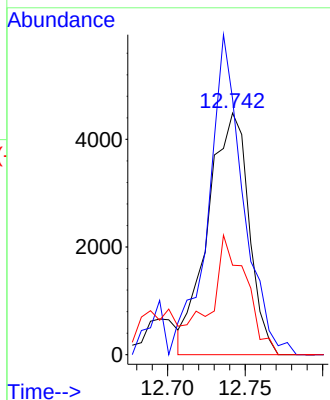
Tgt Ion: 75 Resp: 8228
Ion Ratio Lower Upper
75 100
53 102.0 50.4 151.3
89 37.0 22.1 66.5

Manual Integrations
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Reviewed By :John
Carlone

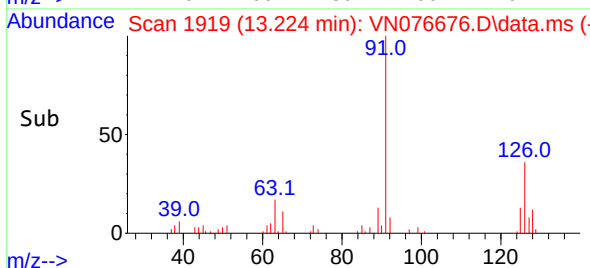
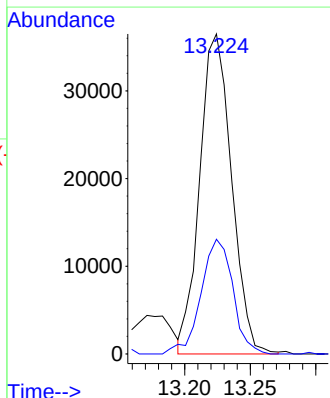
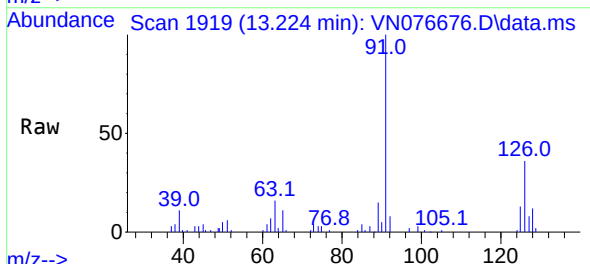
02/16/2023
Supervised By :Mahesh
Dadoda

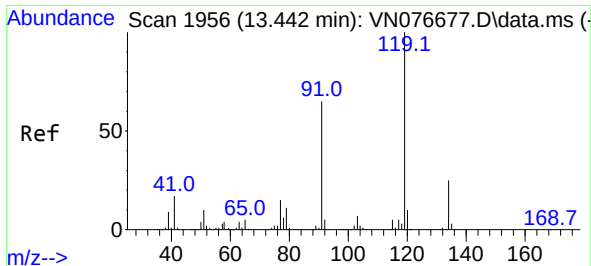
02/18/2023



#78
4-Chlorotoluene
Concen: 3.935 ug/l
RT: 13.224 min Scan# 1919
Delta R.T. -0.000 min
Lab File: VN076676.D
Acq: 15 Feb 2023 10:24

Tgt Ion: 91 Resp: 61693
Ion Ratio Lower Upper
91 100
126 34.2 0.0 70.6





#79
tert-butylbenzene
Concen: 4.229 ug/l
RT: 13.436 min Scan# 1955
Delta R.T. -0.006 min
Lab File: VN076676.D
Acq: 15 Feb 2023 10:24

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

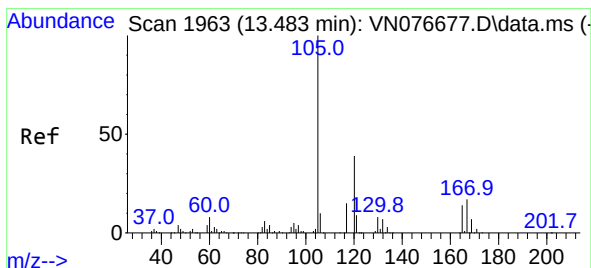
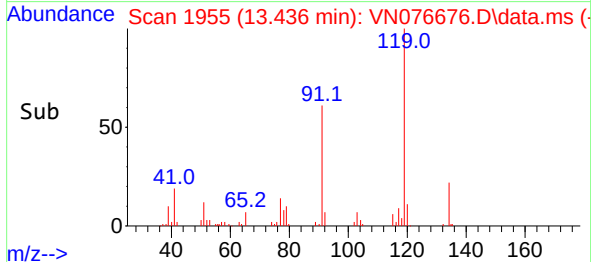
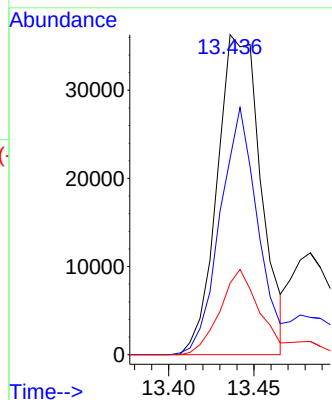
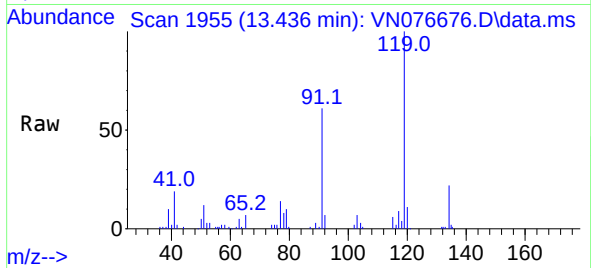
Tgt Ion:119 Resp: 6478
Ion Ratio Lower Upper
119 100
91 66.5 0.0 129.6
134 23.8 0.0 47.8

Manual Integrations
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Reviewed By :John
Carlone

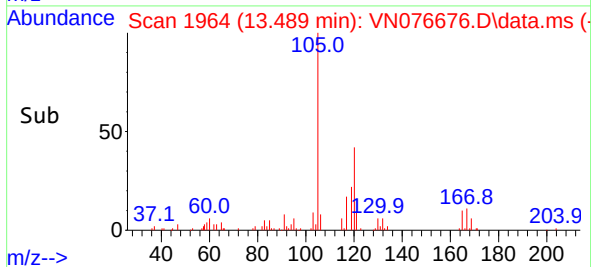
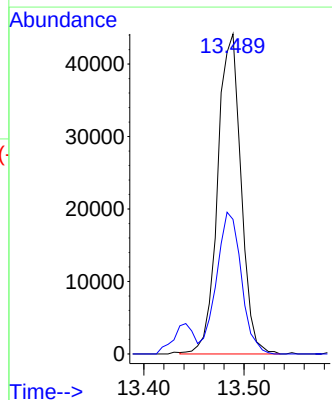
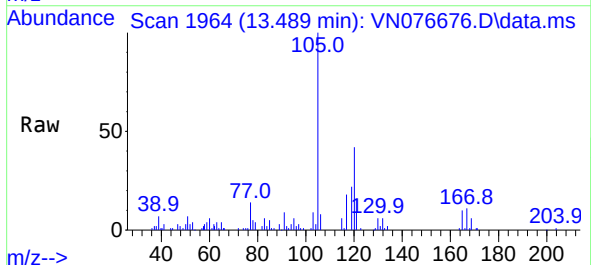
02/16/2023
Supervised By :Mahesh
Dadoda

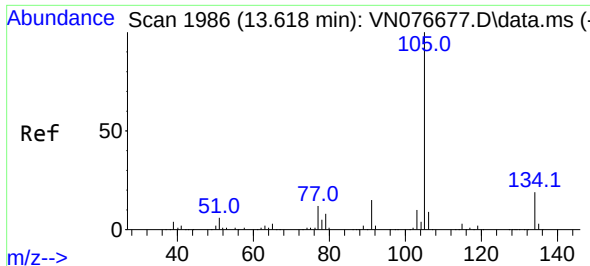
02/18/2023



#80
1,2,4-Trimethylbenzene
Concen: 3.998 ug/l
RT: 13.489 min Scan# 1964
Delta R.T. 0.006 min
Lab File: VN076676.D
Acq: 15 Feb 2023 10:24

Tgt Ion:105 Resp: 71169
Ion Ratio Lower Upper
105 100
120 47.2 0.0 93.2





#81
 sec-Butylbenzene
 Concen: 4.171 ug/l
 RT: 13.618 min Scan# 1986
 Delta R.T. -0.000 min
 Lab File: VN076676.D
 Acq: 15 Feb 2023 10:24

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tgt Ion:105 Resp: 8947
 Ion Ratio Lower Upper
 105 100
 134 18.5 0.0 39.4

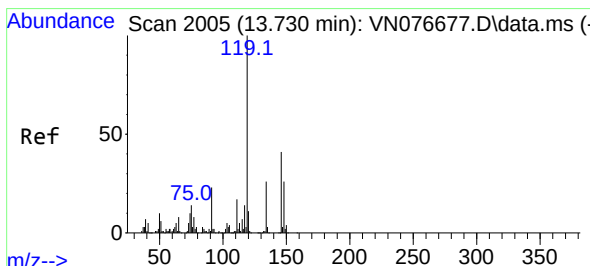
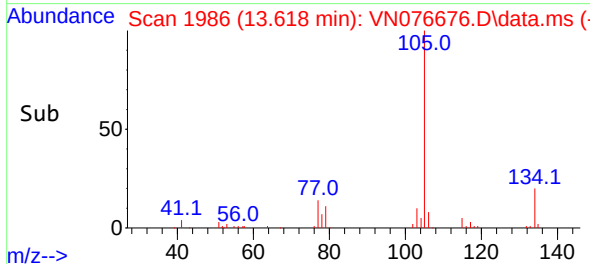
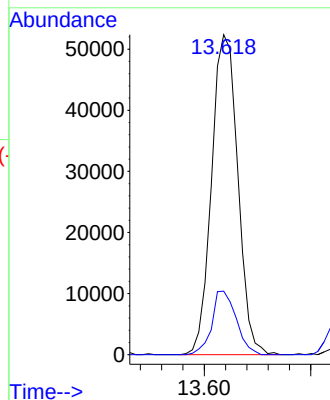
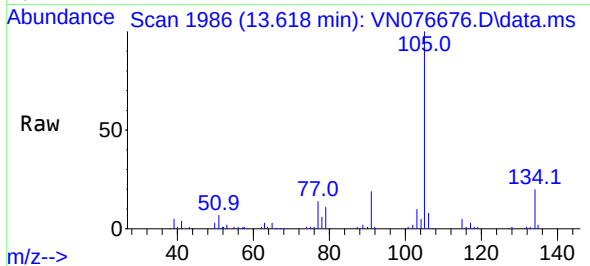
Manual Integrations
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Reviewed By :John
 Carlone

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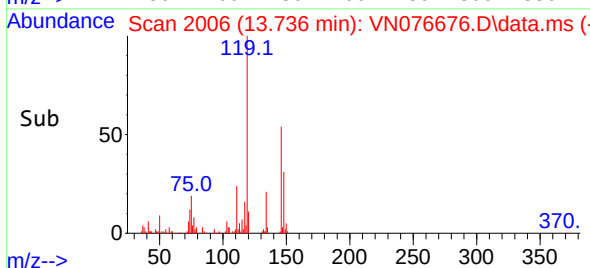
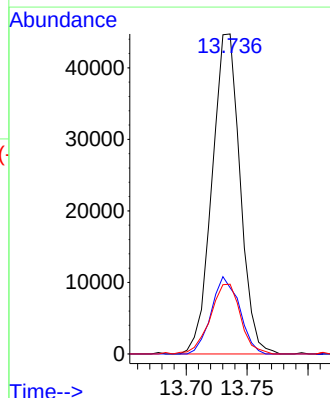
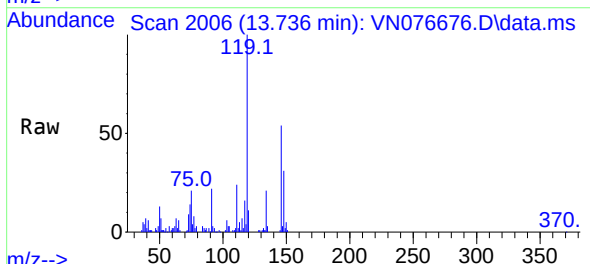
Supervised By :Mahesh
 Dadoda

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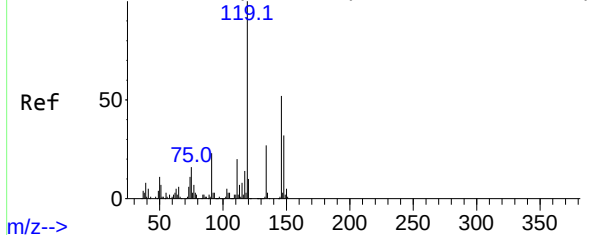


#82
 p-Isopropyltoluene
 Concen: 4.155 ug/l
 RT: 13.736 min Scan# 2006
 Delta R.T. 0.006 min
 Lab File: VN076676.D
 Acq: 15 Feb 2023 10:24

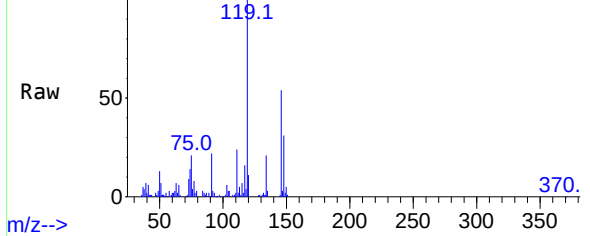
Tgt Ion:119 Resp: 71609
 Ion Ratio Lower Upper
 119 100
 134 24.3 0.0 53.4
 91 23.5 0.0 47.2



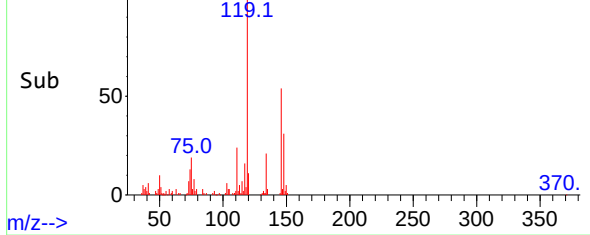
Abundance Scan 2006 (13.736 min): VN076677.D\data.ms (-



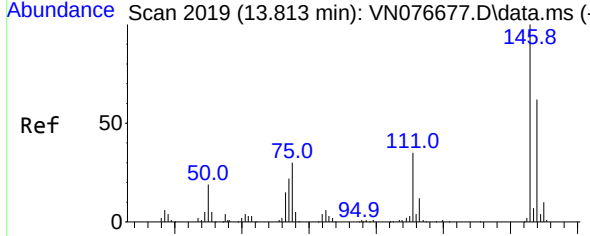
m/z--> Abundance Scan 2006 (13.736 min): VN076676.D\data.ms



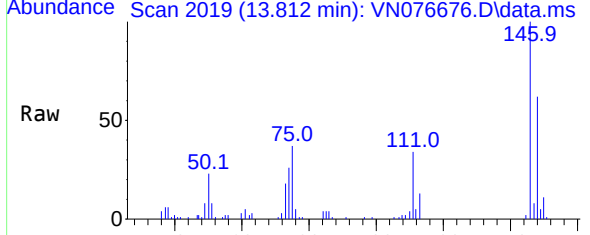
m/z--> Abundance Scan 2006 (13.736 min): VN076676.D\data.ms (-



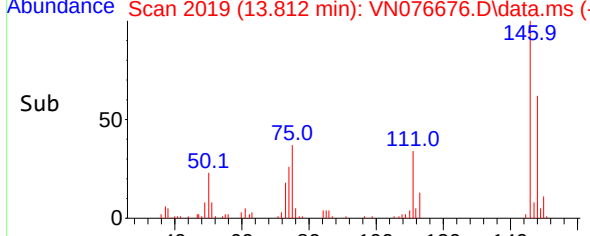
m/z--> Abundance Scan 2019 (13.813 min): VN076677.D\data.ms (-



m/z--> Abundance Scan 2019 (13.812 min): VN076676.D\data.ms



m/z--> Abundance Scan 2019 (13.812 min): VN076676.D\data.ms (-



m/z--> Abundance Scan 2019 (13.812 min): VN076676.D\data.ms (-



m/z--> Abundance Scan 2019 (13.812 min): VN076676.D\data.ms (-

m/z--> Abundance Scan 2019 (13.812 min): VN076676.D\data.ms (-

m/z--> Abundance Scan 2019 (13.812 min): VN076676.D\data.ms (-

m/z--> Abundance Scan 2019 (13.812 min): VN076676.D\data.ms (-

m/z--> Abundance Scan 2019 (13.812 min): VN076676.D\data.ms (-

m/z--> Abundance Scan 2019 (13.812 min): VN076676.D\data.ms (-

m/z--> Abundance Scan 2019 (13.812 min): VN076676.D\data.ms (-

#83

1,3-Dichlorobenzene

Concen: 4.706 ug/l

RT: 13.736 min Scan# 2006

Delta R.T. -0.000 min

Lab File: VN076676.D

Acq: 15 Feb 2023 10:24

Tgt Ion:146 Resp: 39918

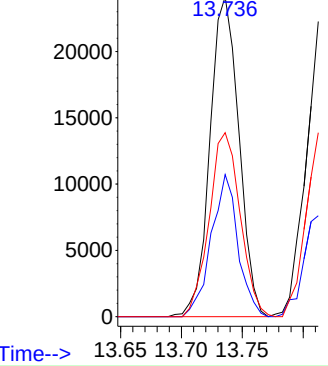
Ion Ratio Lower Upper

146 100

111 41.1 20.3 60.8

148 61.7 31.9 95.5

Abundance



Time--> 13.65 13.70 13.75

#84

1,4-Dichlorobenzene

Concen: 4.522 ug/l

RT: 13.812 min Scan# 2019

Delta R.T. -0.000 min

Lab File: VN076676.D

Acq: 15 Feb 2023 10:24

Tgt Ion:146 Resp: 38268

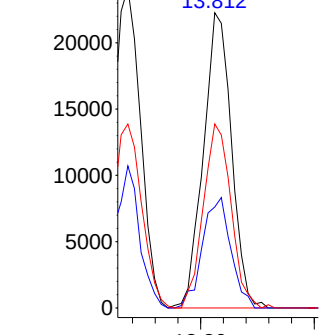
Ion Ratio Lower Upper

146 100

111 37.7 18.2 54.6

148 61.5 31.1 93.2

Abundance



Time--> 13.80

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Manual Integrations

APPROVED

Reviewed By :John

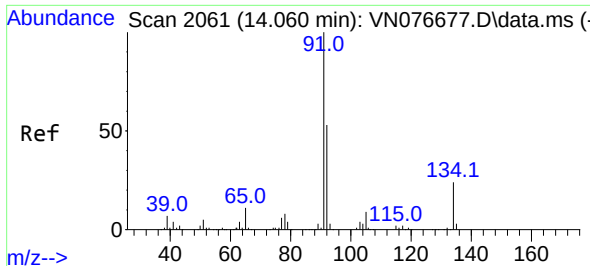
Carlone

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Supervised By :Mahesh

Dadoda

02/18/2023



#85
n-Butylbenzene
Concen: 3.617 ug/l
RT: 14.059 min Scan# 2061
Delta R.T. -0.000 min
Lab File: VN076676.D
Acq: 15 Feb 2023 10:24

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tgt Ion: 91 Resp: 57890
Ion Ratio Lower Upper
91 100
92 51.2 0.0 103.2
134 23.9 0.0 50.0

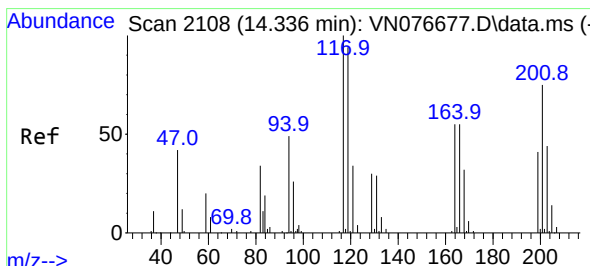
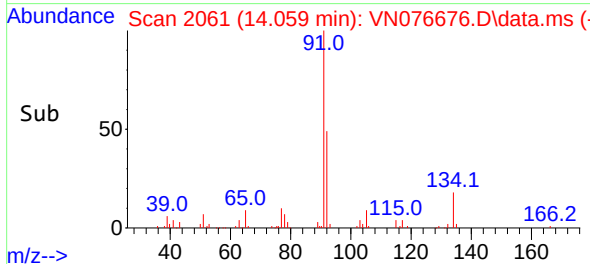
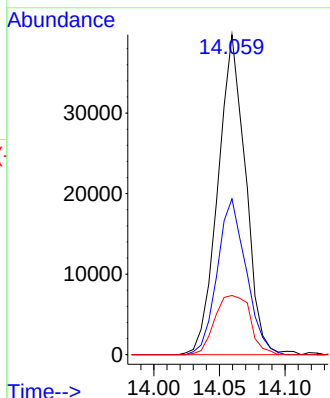
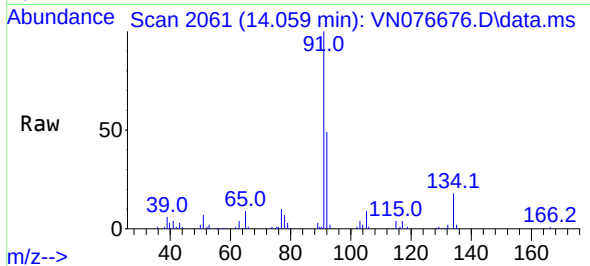
Manual Integrations
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Carlone

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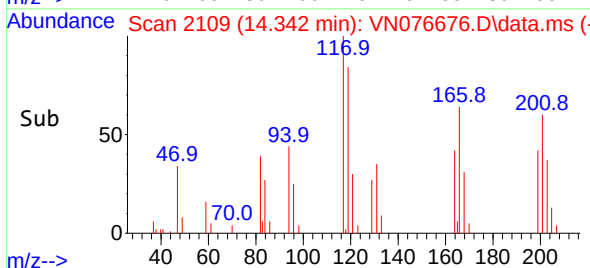
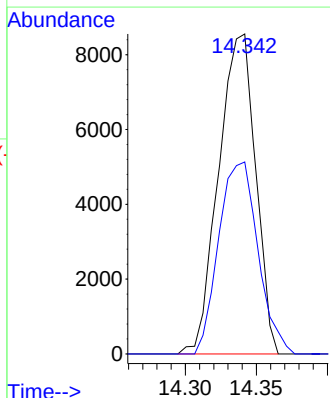
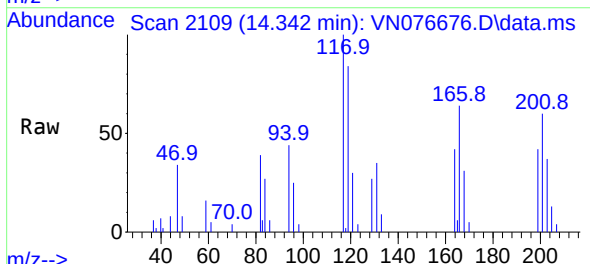
Supervised By :Mahesh
Dadoda

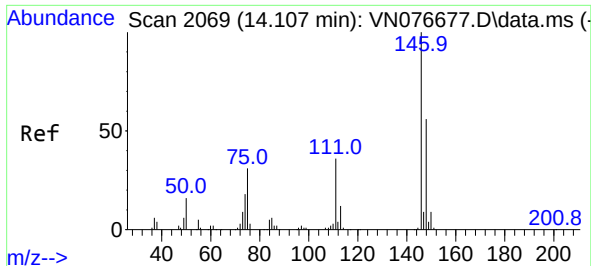
02/18/2023



#86
Hexachloroethane
Concen: 4.630 ug/l
RT: 14.342 min Scan# 2109
Delta R.T. 0.006 min
Lab File: VN076676.D
Acq: 15 Feb 2023 10:24

Tgt Ion:117 Resp: 15495
Ion Ratio Lower Upper
117 100
201 63.7 32.2 96.6





#87
1,2-Dichlorobenzene
Concen: 4.252 ug/l
RT: 14.112 min Scan# 2069
Delta R.T. 0.006 min
Lab File: VN076676.D
Acq: 15 Feb 2023 10:24

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

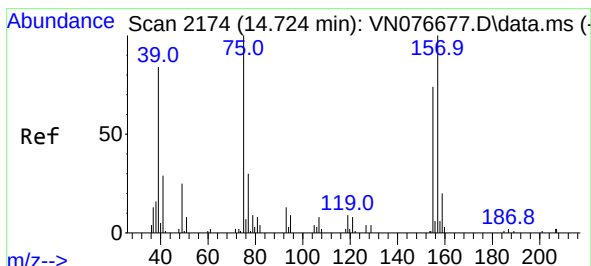
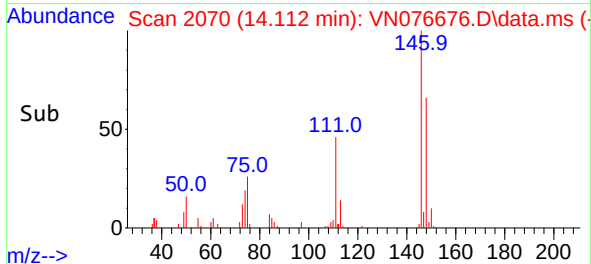
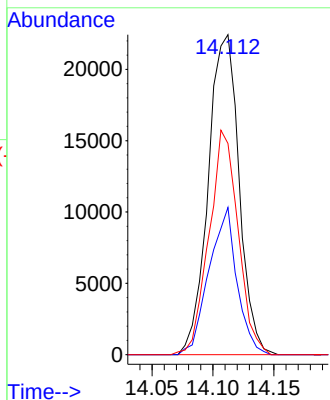
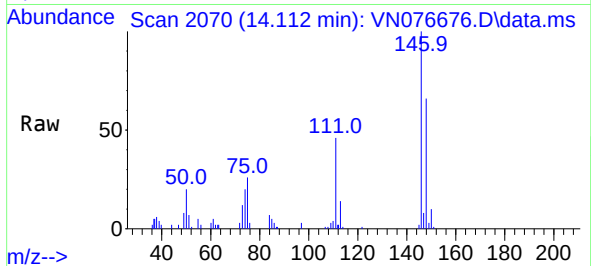
Tgt Ion:146 Resp: 39598
Ion Ratio Lower Upper
146 100
111 41.7 20.5 61.6
148 66.3 32.5 97.5

Manual Integrations
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Reviewed By :John
Carlone

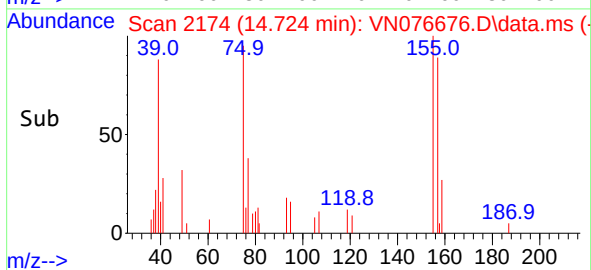
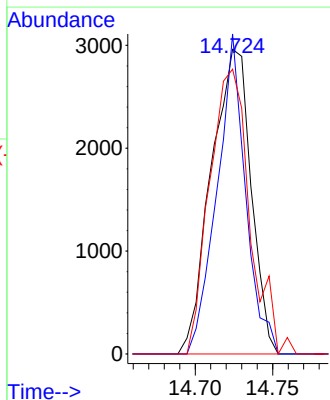
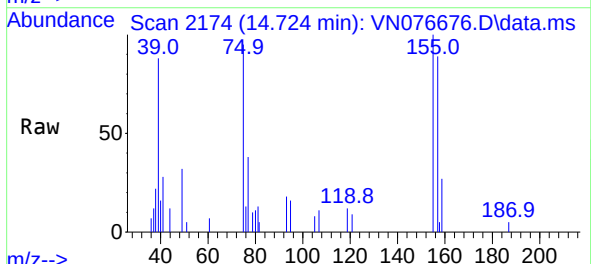
02/16/2023
Supervised By :Mahesh
Dadoda

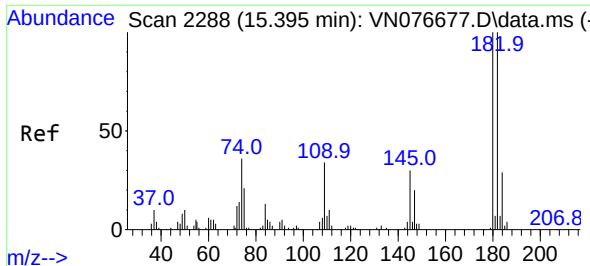
02/18/2023



#88
1,2-Dibromo-3-Chloropropane
Concen: 3.854 ug/l
RT: 14.724 min Scan# 2174
Delta R.T. -0.000 min
Lab File: VN076676.D
Acq: 15 Feb 2023 10:24

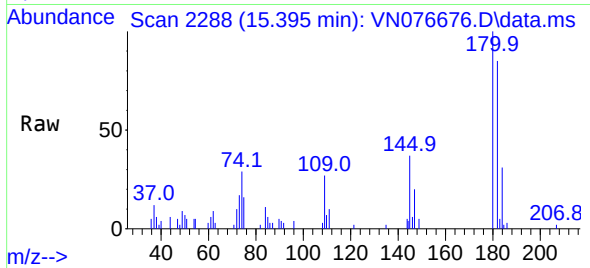
Tgt Ion: 75 Resp: 5294
Ion Ratio Lower Upper
75 100
155 74.9 62.5 93.7
157 93.0 77.5 116.3





#89
1,2,4-Trichlorobenzene
Concen: 4.314 ug/l
RT: 15.395 min Scan# 21
Delta R.T. -0.000 min
Lab File: VN076676.D
Acq: 15 Feb 2023 10:24

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005



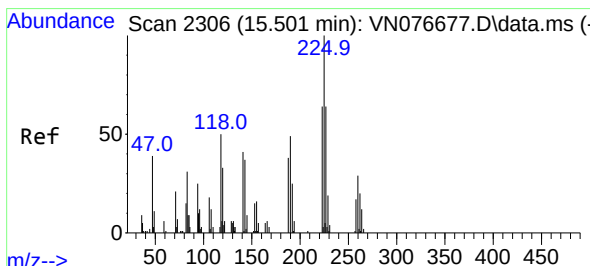
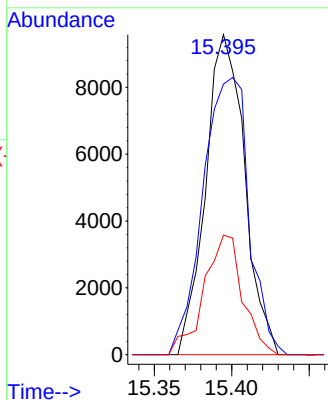
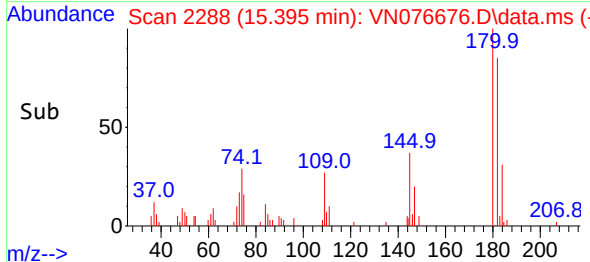
Tgt Ion:180 Resp: 1675
Ion Ratio Lower Upper
180 100
182 102.0 76.6 115.0
145 34.6 24.6 36.8

Manual Integrations
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Reviewed By :John
Carlone

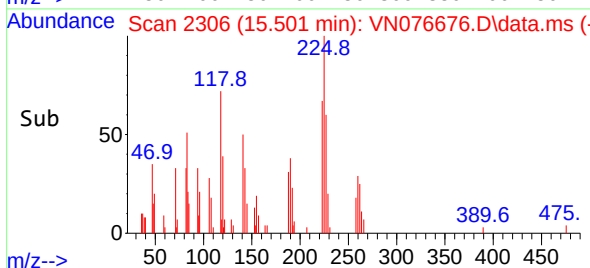
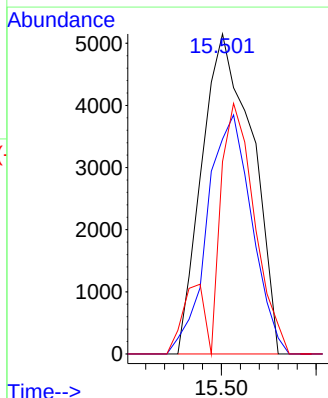
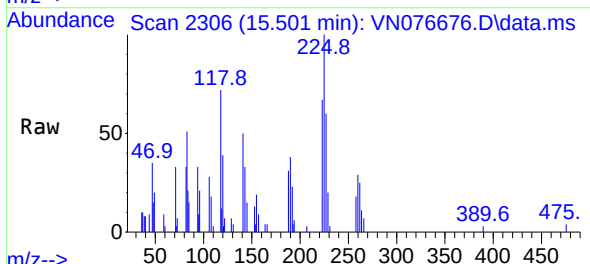
02/16/2023
Supervised By :Mahesh
Dadoda

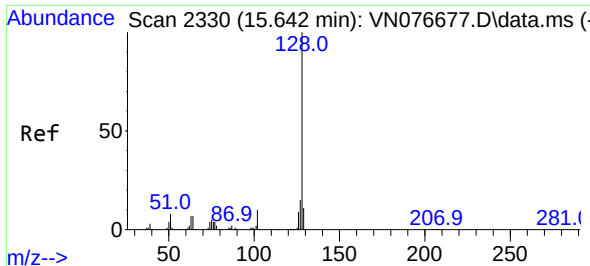
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#90
Hexachlorobutadiene
Concen: 5.061 ug/l
RT: 15.501 min Scan# 2306
Delta R.T. -0.000 min
Lab File: VN076676.D
Acq: 15 Feb 2023 10:24

Tgt Ion:225 Resp: 9495
Ion Ratio Lower Upper
225 100
223 66.3 0.0 135.4
227 51.9 0.0 129.4





#91
Naphthalene
Concen: 3.796 ug/l
RT: 15.648 min Scan# 2330
Delta R.T. 0.006 min
Lab File: VN076676.D
Acq: 15 Feb 2023 10:24

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

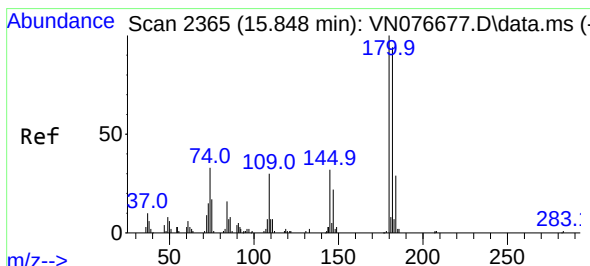
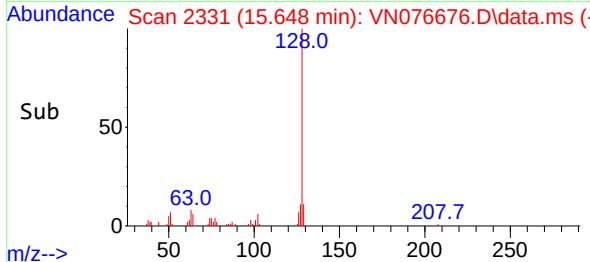
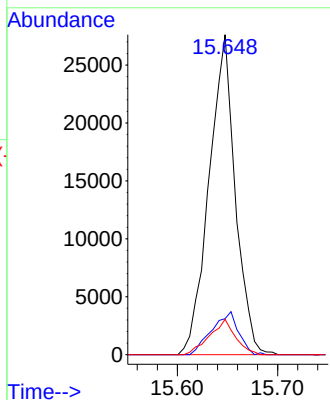
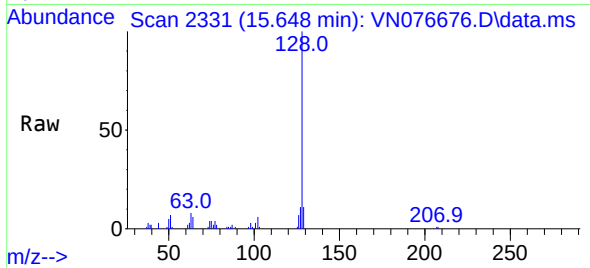
Tgt Ion:128 Resp: 50304
Ion Ratio Lower Upper
128 100
127 13.5 11.0 16.6
129 10.8 8.9 13.3

Manual Integrations
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Reviewed By :John
Carlone

02/16/2023
Supervised By :Mahesh
Dadoda

02/18/2023



#92
1,2,3-Trichlorobenzene
Concen: 4.823 ug/l
RT: 15.848 min Scan# 2365
Delta R.T. -0.000 min
Lab File: VN076676.D
Acq: 15 Feb 2023 10:24

Tgt Ion:180 Resp: 18695
Ion Ratio Lower Upper
180 100
182 87.1 0.0 190.8
145 16.8 0.0 65.0

