

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN021723\
 Data File : VN076742.D
 Acq On : 17 Feb 2023 18:28
 Operator : JC\MD
 Sample : VSTDC0020
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDC0020EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 02/21/2023
 Supervised By : Mahesh Dadoda 02/21/2023

Quant Time: Feb 18 02:14:15 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N021523W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Feb 16 01:08:46 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	7.825	128	26130	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.107	114	182870	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.866	117	206882	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.589	65	79964	33.459	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 111.533%#			
60) 4-Bromofluorobenzene	12.848	95	109608	29.953	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 99.833%			
63) Toluene-d8	10.571	98	220006	30.361	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 101.200%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.143	85	59986	21.693	ug/l	97
3) Chloromethane	2.378	50	73483	21.642	ug/l	98
4) Vinyl Chloride	2.525	62	81308	22.436	ug/l	96
5) Bromomethane	2.972	94	52677	21.053	ug/l	96
6) Chloroethane	3.131	64	56568	24.070	ug/l	93
7) Trichlorofluoromethane	3.513	101	95455	21.129	ug/l	99
8) Diethyl Ether	3.972	74	37451	20.893	ug/l	98
9) 1,1,2-Trichlorotrifluo...	4.390	101	57172	20.823	ug/l	98
10) 1,1-Dichloroethene	4.348	96	52581	20.391	ug/l	97
11) Methyl Iodide	4.601	142	75601	23.494	ug/l	90
12) Methyl Acetate	5.042	43	111957	21.178	ug/l	99
13) Acrolein	4.195	56	56621	90.178	ug/l	99
14) Acrylonitrile	5.731	53	169923	104.734	ug/l	100
15) Acetone	4.442	58	43161	82.166	ug/l	93
16) Carbon Disulfide	4.731	76	141098	19.507	ug/l	96
17) Allyl chloride	5.042	41	89195	19.324	ug/l	90
18) Methylene Chloride	5.295	84	69294	21.289	ug/l	89
19) trans-1,2-Dichloroethene	5.801	96	59216	20.476	ug/l	92
20) Diisopropyl ether	6.683	45	232996	21.347	ug/l #	95
21) 1,1-Dichloroethane	6.583	63	123210	21.581	ug/l	98
22) cis-1,2-Dichloroethene	7.501	96	70176	21.149	ug/l	100
23) tert-Butyl Alcohol	5.542	59	44581m	95.078	ug/l	
24) Methyl tert-Butyl Ether	5.807	73	189463	21.235	ug/l #	81
25) Chloroform	7.972	83	122899	21.952	ug/l	90
26) Cyclohexane	8.266	56	105407	20.657	ug/l #	96
29) 1,1-Dichloropropene	8.377	75	89152	21.372	ug/l	98
30) 2-Butanone	7.489	43	232965	95.745	ug/l	98
31) 2,2-Dichloropropane	7.507	77	82995	19.038	ug/l #	61
32) 1,1,1-Trichloroethane	8.178	97	99367	20.520	ug/l	97
33) Carbon Tetrachloride	8.372	117	83079	19.800	ug/l	96
34) Benzene	8.613	78	281129	21.110	ug/l	97
35) Methacrylonitrile	7.789	41	58768	22.142	ug/l	90
36) 1,2-Dichloroethane	8.677	62	97191	21.804	ug/l #	95
37) Trichloroethene	9.354	130	61906	19.989	ug/l	95
38) Methylcyclohexane	9.607	83	105064	20.015	ug/l	98
39) 1,2-Dichloropropane	9.624	63	73150	21.136	ug/l	100
40) Dibromomethane	9.713	93	48101	21.793	ug/l	99
41) Bromodichloromethane	9.889	83	89681	20.256	ug/l	98
42) Vinyl Acetate	6.613	43	716569	101.619	ug/l	99

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 Sample : VSTDCCC020
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

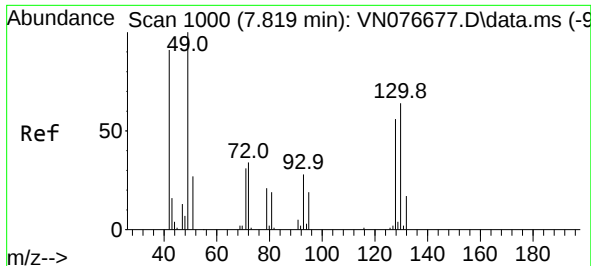
Manual Integrations
 APPROVED

Reviewed By : John Carlone 02/21/2023
 Supervised By : Mahesh Dadoda 02/21/2023

Quant Time: Feb 18 02:14:15 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N021523W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Feb 16 01:08:46 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	7.572	43	98178	21.179	ug/l	98
44) Isopropyl Acetate	8.695	43	160852	21.079	ug/l	97
45) 1,4-Dioxane	9.695	88	22682m	351.199	ug/l	
46) Methyl methacrylate	9.683	41	75461	21.542	ug/l	90
47) n-amyl Acetate	12.495	43	141258	20.962	ug/l	97
48) t-1,3-Dichloropropene	10.836	75	87495	19.484	ug/l	99
49) cis-1,3-Dichloropropene	10.319	75	102409	20.037	ug/l	99
50) 1,1,2-Trichloroethane	11.019	97	68458	21.336	ug/l	96
51) Ethyl methacrylate	10.877	69	98039	21.045	ug/l	94
52) 1,3-Dichloropropane	11.166	76	119770	21.712	ug/l	98
53) Dibromochloromethane	11.366	129	65218	19.787	ug/l	96
54) 1,2-Dibromoethane	11.471	107	65066	20.831	ug/l	98
55) 2-Chloroethyl vinyl ether	10.166	63	216944	105.046	ug/l	99
56) Bromoform	12.583	173	44473	19.592	ug/l #	98
58) 4-Methyl-2-Pentanone	10.448	43	520864	105.857	ug/l	99
59) 2-Hexanone	11.201	43	373657	102.094	ug/l	98
61) Tetrachloroethene	11.107	164	49333	18.883	ug/l	89
62) Toluene	10.636	91	305900	21.158	ug/l	99
64) Chlorobenzene	11.895	112	173514	20.144	ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.966	131	60920	19.293	ug/l	95
66) Ethyl Benzene	11.966	91	314088	20.435	ug/l	96
67) m/p-Xylenes	12.077	106	252690	42.041	ug/l	100
68) o-Xylene	12.401	106	123651	20.876	ug/l	97
69) Styrene	12.413	104	200406	21.075	ug/l	99
70) Isopropylbenzene	12.701	105	314138	20.789	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.942	83	104183	21.074	ug/l	99
72) 1,2,3-Trichloropropane	12.995	75	102975m	23.645	ug/l	
73) Bromobenzene	12.983	156	69683	19.873	ug/l	94
74) n-propylbenzene	13.036	91	376079	20.896	ug/l	99
75) 2-Chlorotoluene	13.130	91	230204	21.496	ug/l	100
76) 1,3,5-Trimethylbenzene	13.177	105	267373	21.216	ug/l	98
77) t-1,4-Dichloro-2-butene	12.742	75	25820	18.453	ug/l	94
78) 4-Chlorotoluene	13.224	91	218001	21.234	ug/l	96
79) tert-butylbenzene	13.442	119	228221	20.453	ug/l	97
80) 1,2,4-Trimethylbenzene	13.489	105	268751	21.476	ug/l	99
81) sec-Butylbenzene	13.618	105	336059	20.972	ug/l	99
82) p-Isopropyltoluene	13.730	119	265936	20.470	ug/l	98
83) 1,3-Dichlorobenzene	13.736	146	134042	20.007	ug/l	98
84) 1,4-Dichlorobenzene	13.812	146	134409	20.568	ug/l	98
85) n-Butylbenzene	14.059	91	212120	19.265	ug/l	98
86) Hexachloroethane	14.336	117	51027	20.290	ug/l	98
87) 1,2-Dichlorobenzene	14.107	146	140866	20.910	ug/l	97
88) 1,2-Dibromo-3-Chloropr...	14.724	75	18459	20.142	ug/l	93
89) 1,2,4-Trichlorobenzene	15.395	180	64777	18.849	ug/l	97
90) Hexachlorobutadiene	15.501	225	32570	19.672	ug/l	93
91) Naphthalene	15.648	128	208767	18.893	ug/l	99
92) 1,2,3-Trichlorobenzene	15.842	180	65018	18.640	ug/l	99

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



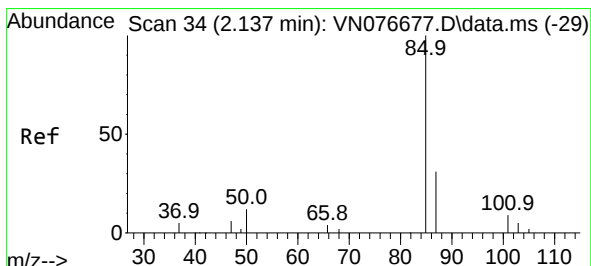
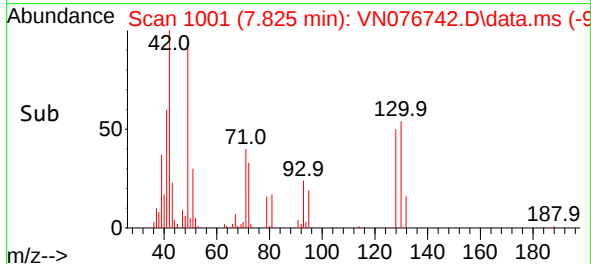
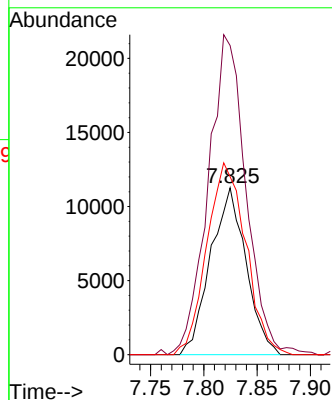
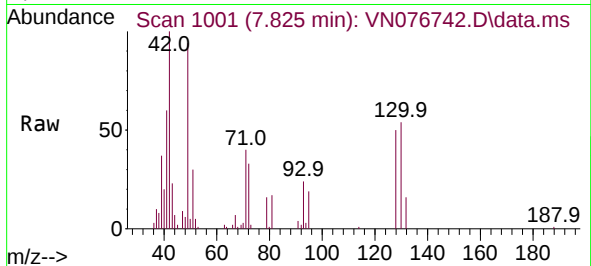
#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.825 min Scan# 10
Delta R.T. 0.006 min
Lab File: VN076742.D
Acq: 17 Feb 2023 18:28

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tgt Ion:128 Resp: 26130
Ion Ratio Lower Upper
128 100
49 201.7 0.0 461.8
130 126.4 0.0 295.3

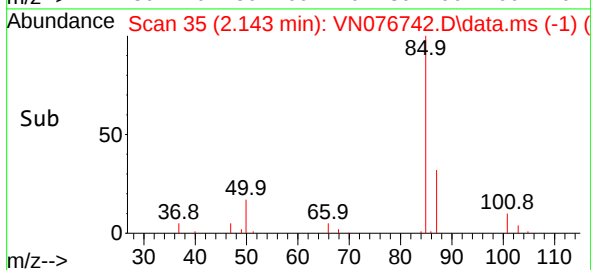
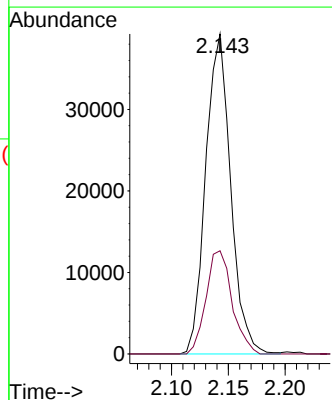
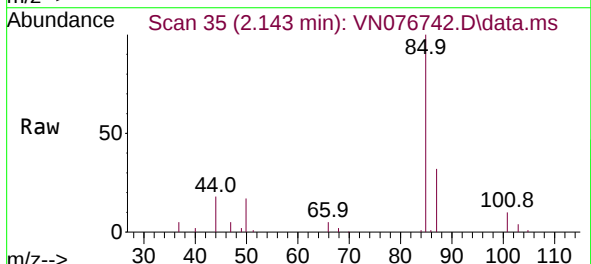
Manual Integrations
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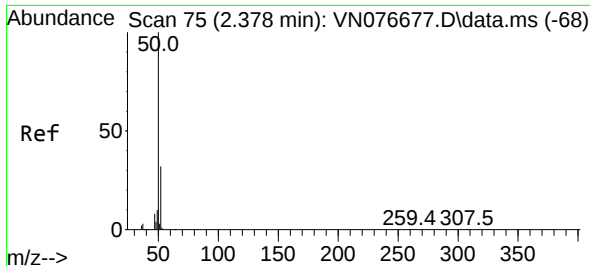
Reviewed By :John Carlone 02/21/2023
Supervised By :Mahesh Dadoda 02/21/2023



#2
Dichlorodifluoromethane
Concen: 21.693 ug/l
RT: 2.143 min Scan# 35
Delta R.T. 0.006 min
Lab File: VN076742.D
Acq: 17 Feb 2023 18:28

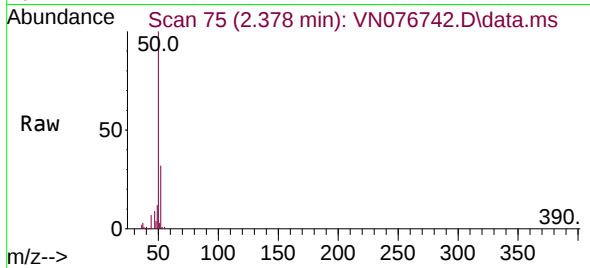
Tgt Ion: 85 Resp: 59986
Ion Ratio Lower Upper
85 100
87 32.2 15.4 46.1





#3
Chloromethane
Concen: 21.642 ug/l
RT: 2.378 min Scan# 71
Delta R.T. -0.000 min
Lab File: VN076742.D
Acq: 17 Feb 2023 18:28

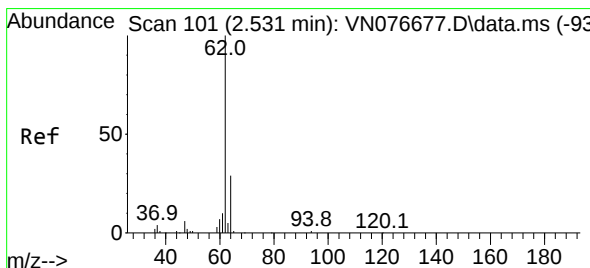
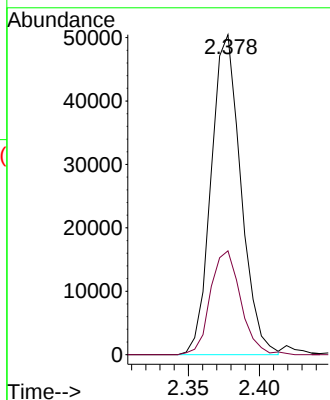
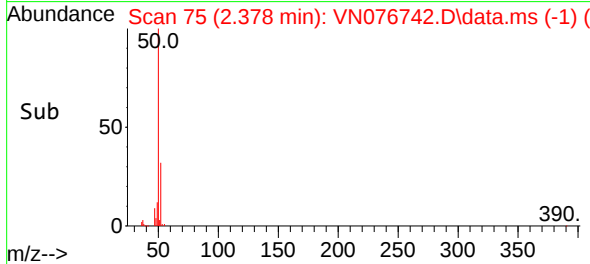
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



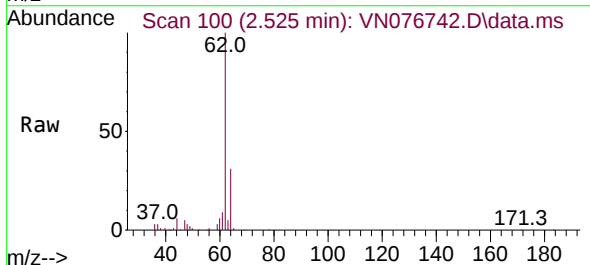
Tgt Ion: 50 Resp: 7348
Ion Ratio Lower Upper
50 100
52 32.5 25.3 37.9

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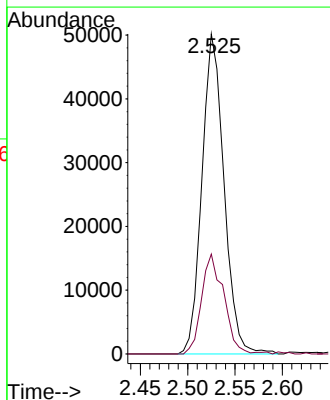
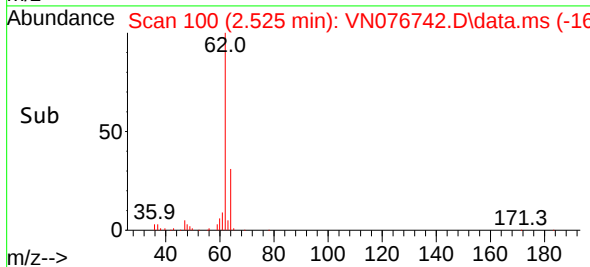
Reviewed By :John Carlone 02/21/2023
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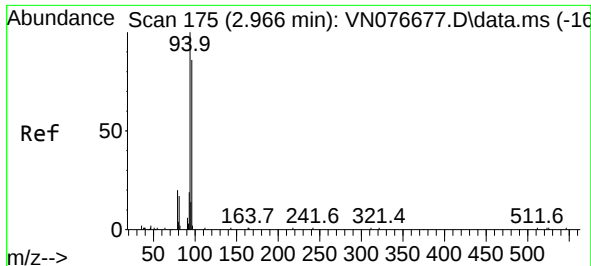


#4
Vinyl Chloride
Concen: 22.436 ug/l
RT: 2.525 min Scan# 100
Delta R.T. -0.006 min
Lab File: VN076742.D
Acq: 17 Feb 2023 18:28



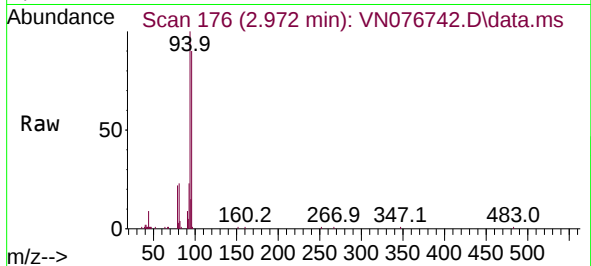
Tgt Ion: 62 Resp: 81308
Ion Ratio Lower Upper
62 100
64 31.2 23.1 34.7





#5
Bromomethane
Concen: 21.053 ug/l
RT: 2.972 min Scan# 175
Delta R.T. 0.006 min
Lab File: VN076742.D
Acq: 17 Feb 2023 18:28

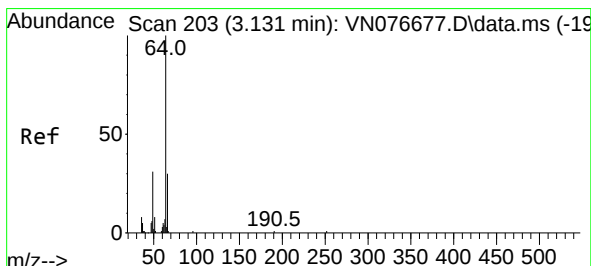
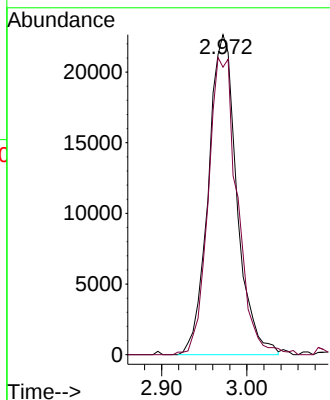
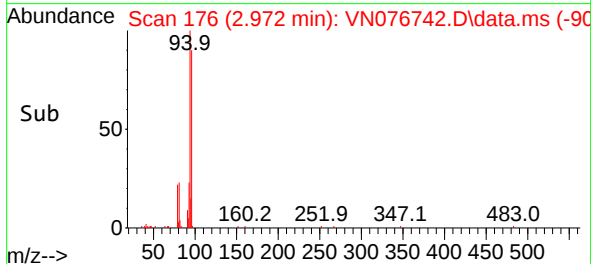
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



Tgt Ion: 94 Resp: 5267
Ion Ratio Lower Upper
94 100
96 89.1 68.6 103.0

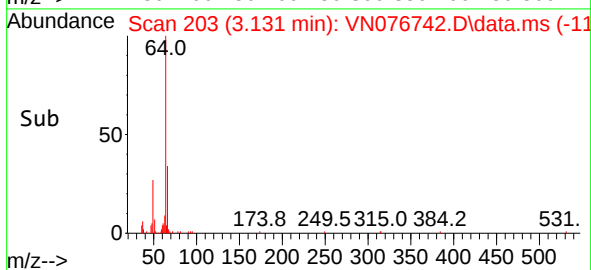
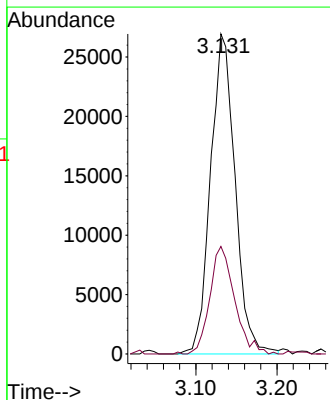
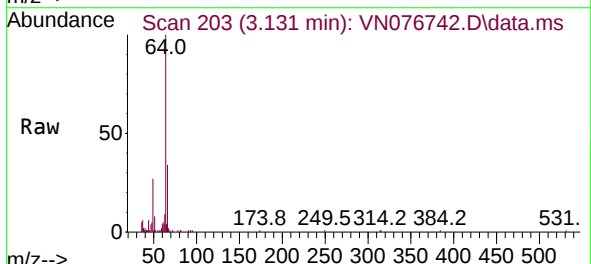
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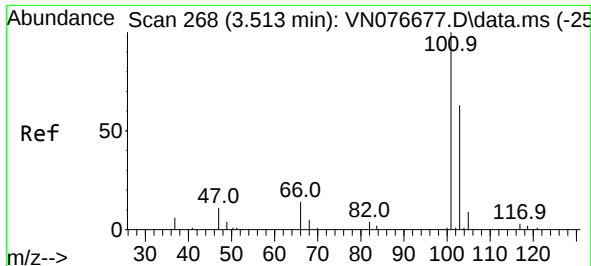
Reviewed By :John Carlone 02/21/2023
Supervised By :Mahesh Dadoda 02/21/2023



#6
Chloroethane
Concen: 24.070 ug/l
RT: 3.131 min Scan# 203
Delta R.T. -0.000 min
Lab File: VN076742.D
Acq: 17 Feb 2023 18:28

Tgt Ion: 64 Resp: 56568
Ion Ratio Lower Upper
64 100
66 33.6 23.8 35.6





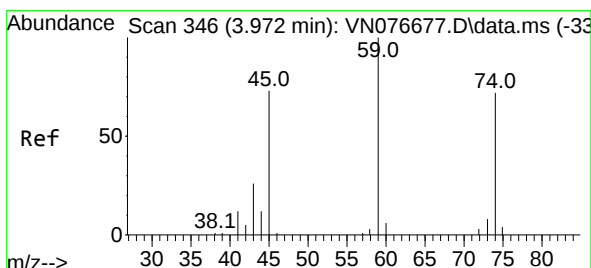
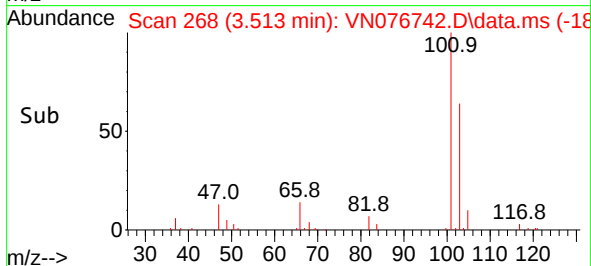
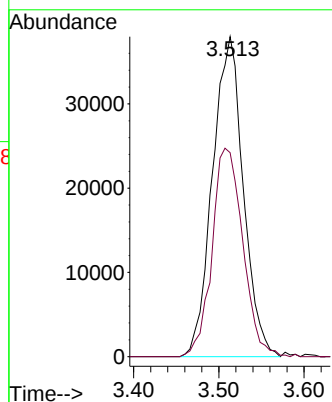
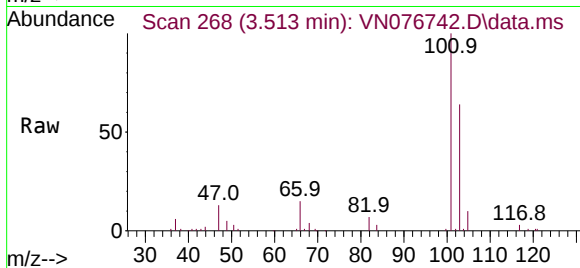
#7
Trichlorofluoromethane
Concen: 21.129 ug/l
RT: 3.513 min Scan# 268
Delta R.T. -0.000 min
Lab File: VN076742.D
Acq: 17 Feb 2023 18:28

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tgt Ion:101 Resp: 9545
Ion Ratio Lower Upper
101 100
103 63.8 50.2 75.2

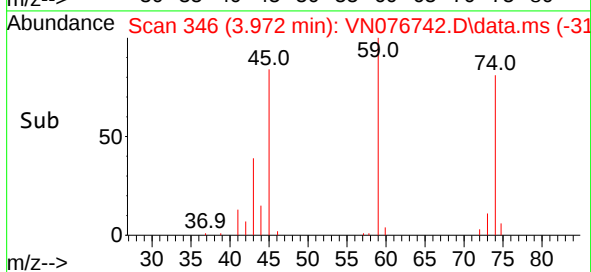
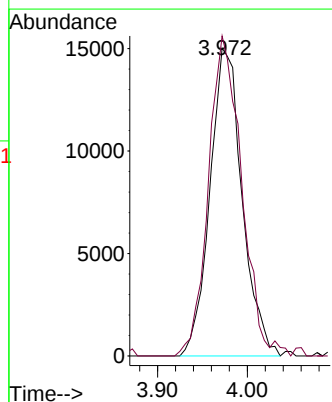
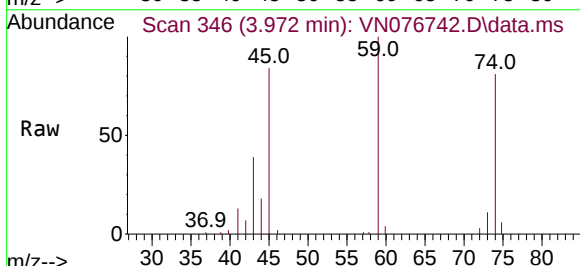
Manual Integrations
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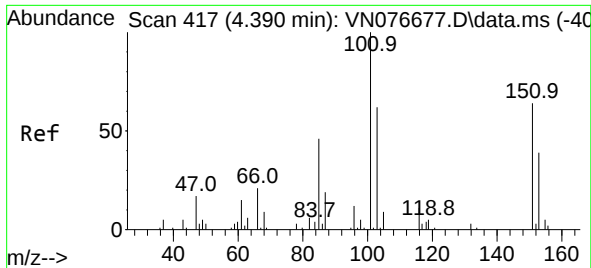
Reviewed By :John Carlone 02/21/2023
Supervised By :Mahesh Dadoda 02/21/2023



#8
Diethyl Ether
Concen: 20.893 ug/l
RT: 3.972 min Scan# 346
Delta R.T. -0.000 min
Lab File: VN076742.D
Acq: 17 Feb 2023 18:28

Tgt Ion: 74 Resp: 37451
Ion Ratio Lower Upper
74 100
45 105.5 21.4 193.0





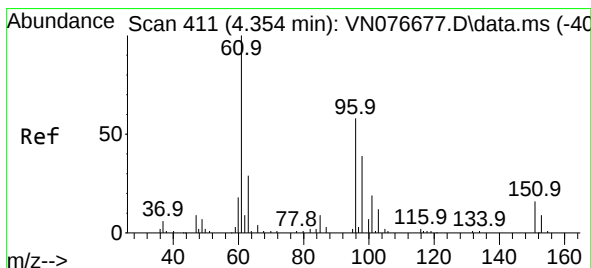
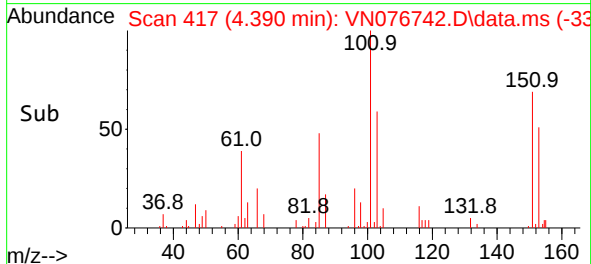
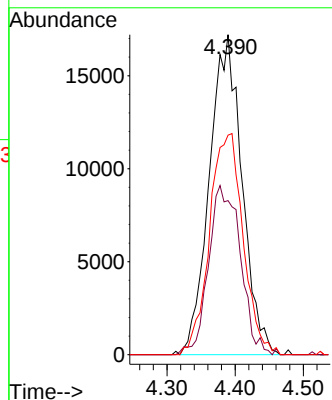
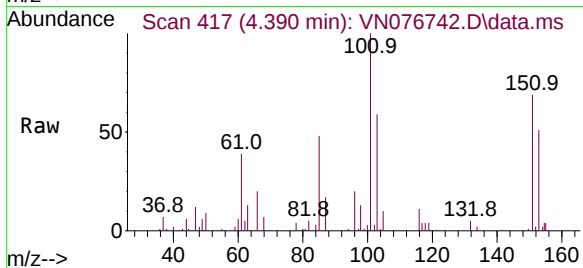
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1,1,2-Trichlorotrifluoroethane
Concen: 20.823 ug/l
RT: 4.390 min Scan# 417
Delta R.T. -0.000 min
Lab File: VN076742.D
Acq: 17 Feb 2023 18:28

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tgt Ion:101 Resp: 5717
Ion Ratio Lower Upper
101 100
85 50.1 0.0 95.2
151 71.2 0.0 142.2

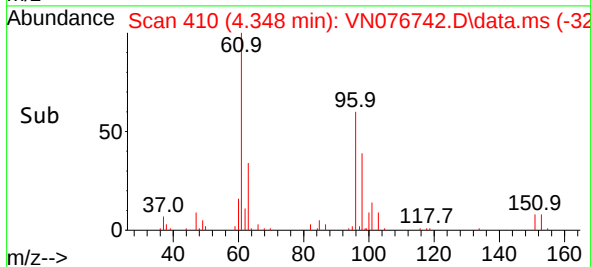
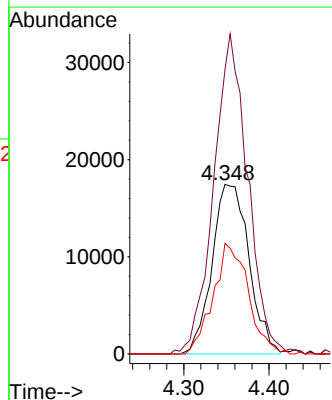
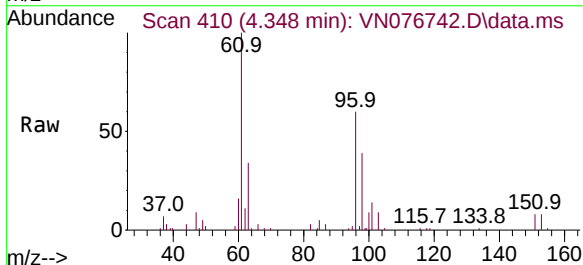
Manual Integrations
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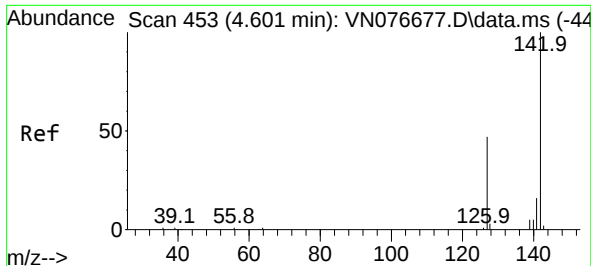
Reviewed By :John Carlone 02/21/2023
Supervised By :Mahesh Dadoda 02/21/2023



#10
1,1-Dichloroethene
Concen: 20.391 ug/l
RT: 4.348 min Scan# 410
Delta R.T. -0.006 min
Lab File: VN076742.D
Acq: 17 Feb 2023 18:28

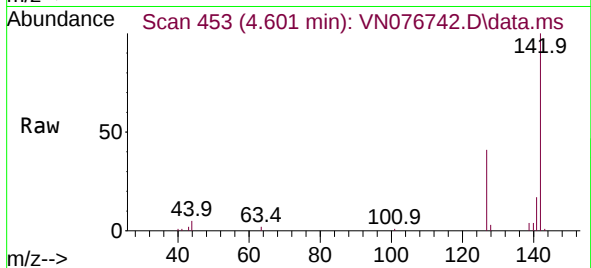
Tgt Ion: 96 Resp: 52581
Ion Ratio Lower Upper
96 100
61 166.2 137.1 205.7
98 65.2 53.2 79.8





#11
Methyl Iodide
Concen: 23.494 ug/l
RT: 4.601 min Scan# 41
Delta R.T. -0.000 min
Lab File: VN076742.D
Acq: 17 Feb 2023 18:28

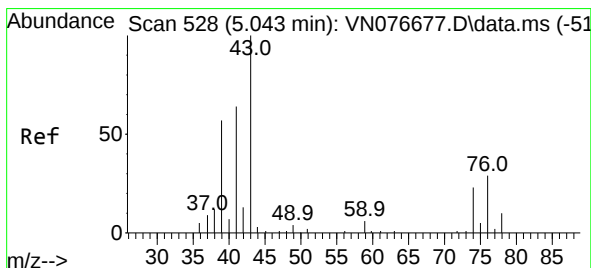
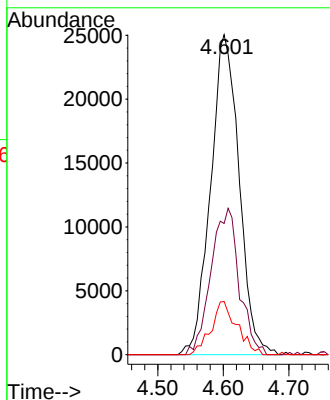
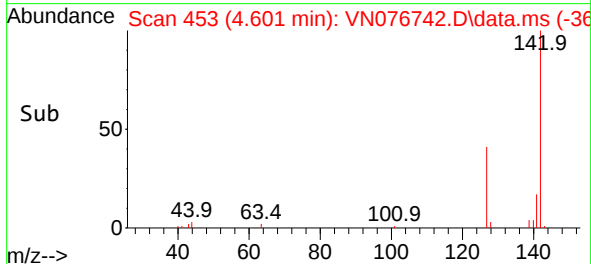
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



Tgt Ion:142 Resp: 7560
Ion Ratio Lower Upper
142 100
127 41.0 25.0 75.0
141 16.7 8.0 24.0

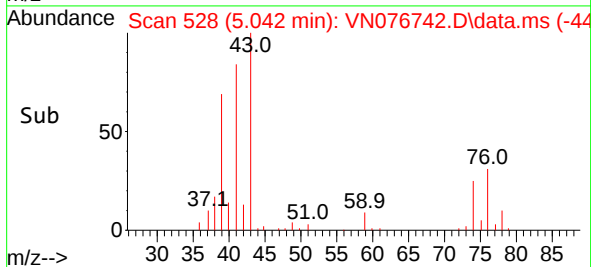
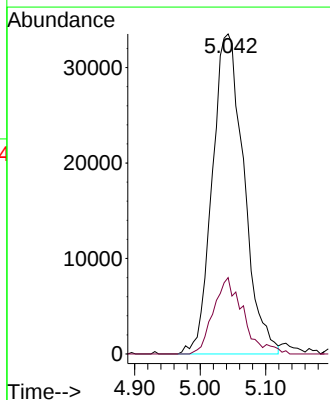
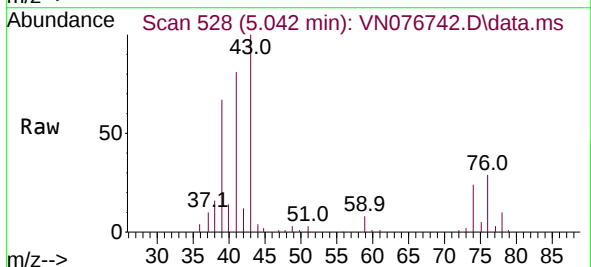
Manual Integrations
APPROVED

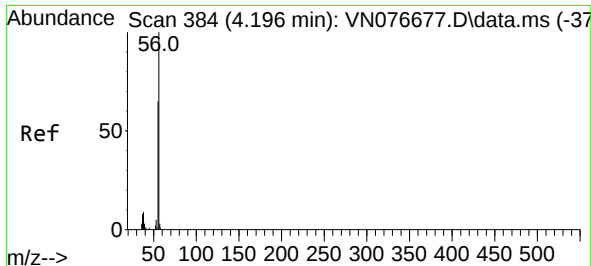
Reviewed By :John Carlone 02/21/2023
Supervised By :Mahesh Dadoda 02/21/2023



#12
Methyl Acetate
Concen: 21.178 ug/l
RT: 5.042 min Scan# 528
Delta R.T. -0.000 min
Lab File: VN076742.D
Acq: 17 Feb 2023 18:28

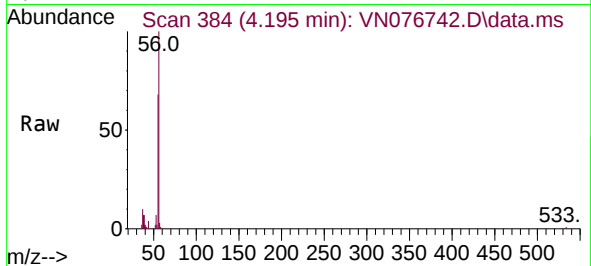
Tgt Ion: 43 Resp: 111957
Ion Ratio Lower Upper
43 100
74 23.3 19.0 28.4





#13
Acrolein
Concen: 90.178 ug/l
RT: 4.195 min Scan# 384
Delta R.T. -0.000 min
Lab File: VN076742.D
Acq: 17 Feb 2023 18:28

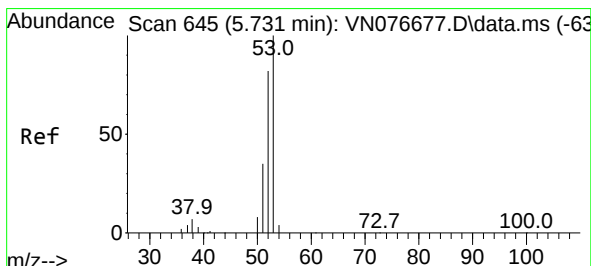
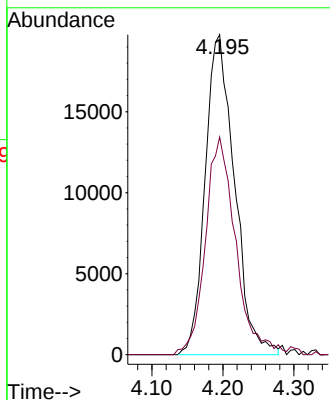
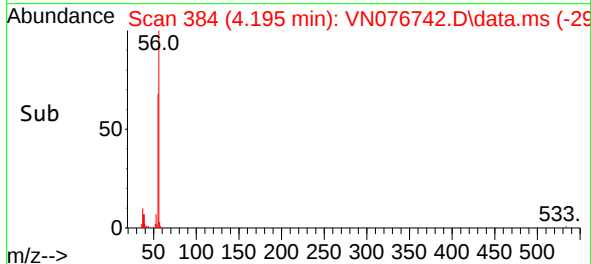
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



Tgt Ion: 56 Resp: 5662
Ion Ratio Lower Upper
56 100
55 67.9 55.0 82.4

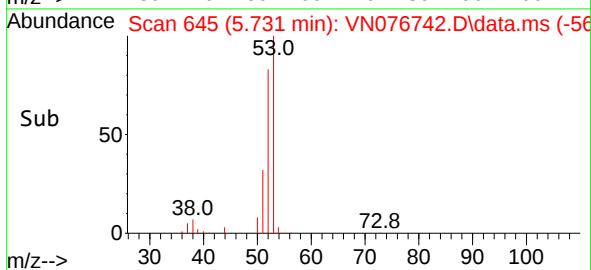
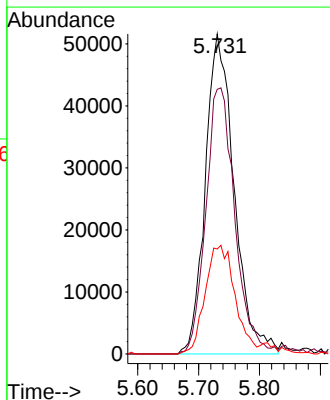
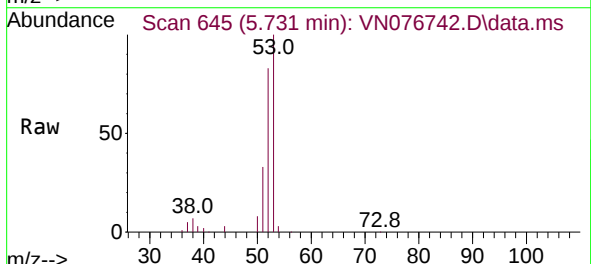
Manual Integrations
APPROVED

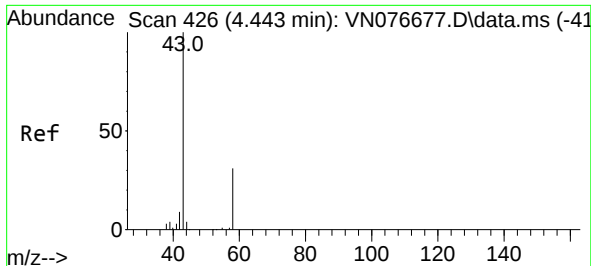
Reviewed By :John Carlone 02/21/2023
Supervised By :Mahesh Dadoda 02/21/2023



#14
Acrylonitrile
Concen: 104.734 ug/l
RT: 5.731 min Scan# 645
Delta R.T. -0.000 min
Lab File: VN076742.D
Acq: 17 Feb 2023 18:28

Tgt Ion: 53 Resp: 169923
Ion Ratio Lower Upper
53 100
52 83.2 41.5 124.6
51 35.0 17.6 52.8





#15

Acetone

Concen: 82.166 ug/l

RT: 4.442 min Scan# 41

Delta R.T. -0.000 min

Lab File: VN076742.D

Acq: 17 Feb 2023 18:28

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tgt Ion: 58 Resp: 4316

Ion Ratio Lower Upper

58 100

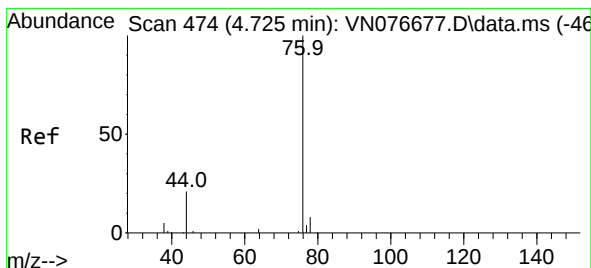
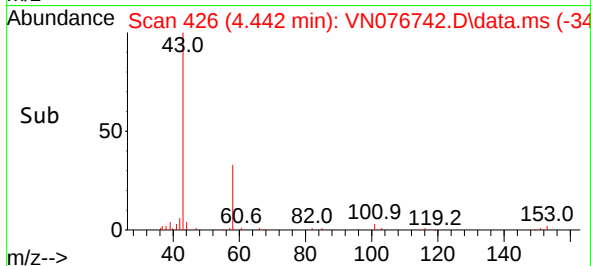
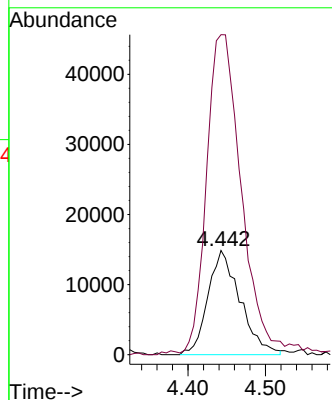
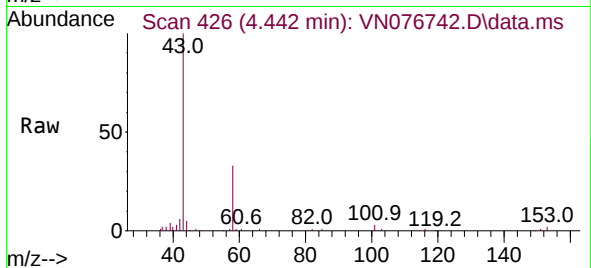
43 305.6 255.4 383.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/21/2023

Supervised By :Mahesh Dadoda 02/21/2023



#16

Carbon Disulfide

Concen: 19.507 ug/l

RT: 4.731 min Scan# 475

Delta R.T. 0.006 min

Lab File: VN076742.D

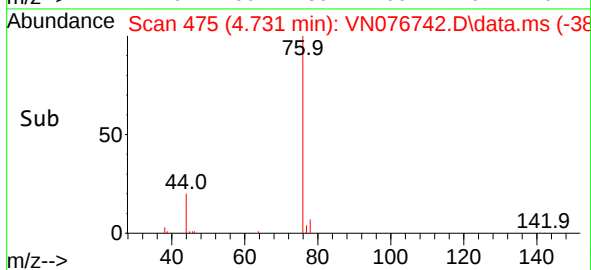
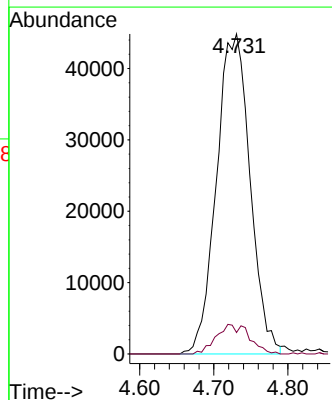
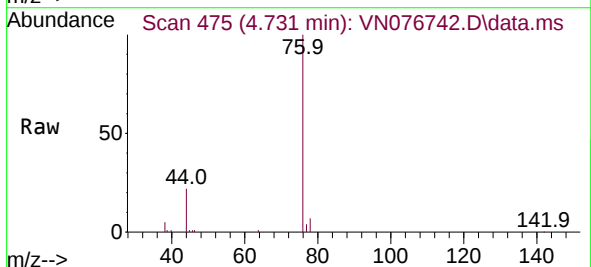
Acq: 17 Feb 2023 18:28

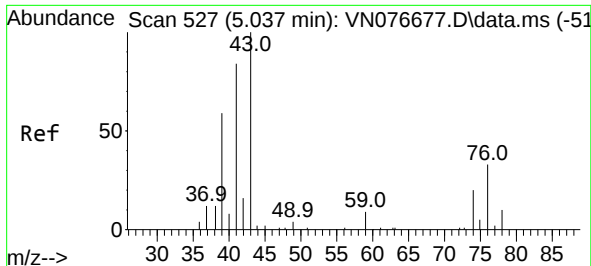
Tgt Ion: 76 Resp: 141098

Ion Ratio Lower Upper

76 100

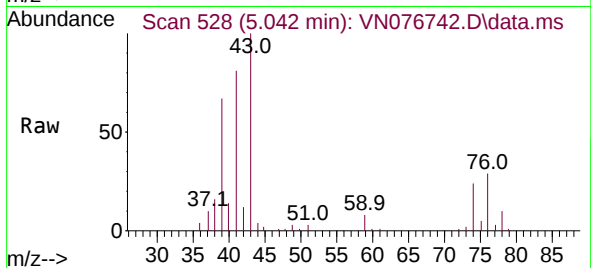
78 6.7 6.6 9.8





#17
 Allyl chloride
 Concen: 19.324 ug/l
 RT: 5.042 min Scan# 519
 Delta R.T. 0.006 min
 Lab File: VN076742.D
 Acq: 17 Feb 2023 18:28

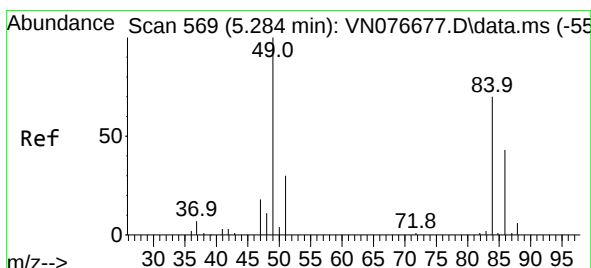
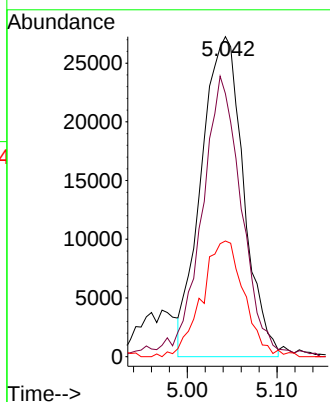
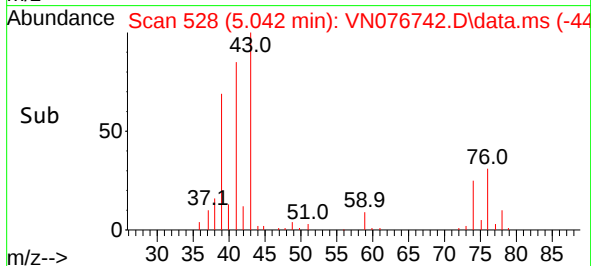
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC



Tgt Ion: 41 Resp: 8919
 Ion Ratio Lower Upper
 41 100
 39 81.6 34.8 104.3
 76 34.8 17.5 52.5

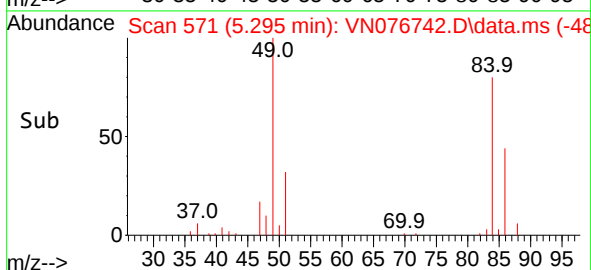
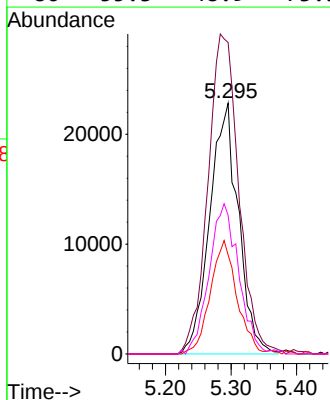
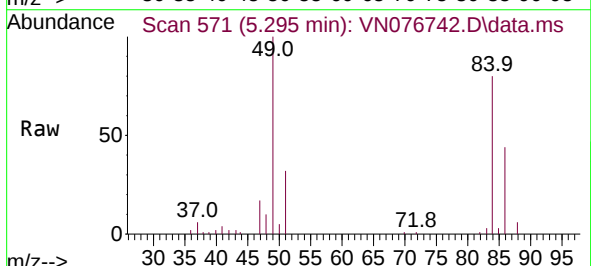
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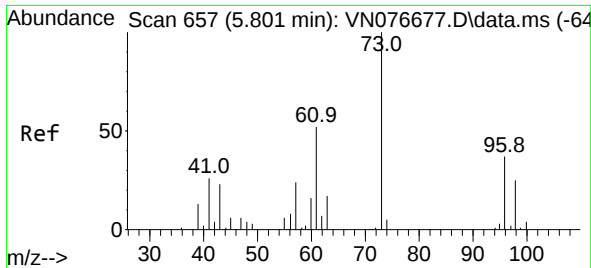
Reviewed By :John Carlone 02/21/2023
 Supervised By :Mahesh Dadoda 02/21/2023



#18
 Methylene Chloride
 Concen: 21.289 ug/l
 RT: 5.295 min Scan# 571
 Delta R.T. 0.012 min
 Lab File: VN076742.D
 Acq: 17 Feb 2023 18:28

Tgt Ion: 84 Resp: 69294
 Ion Ratio Lower Upper
 84 100
 49 124.2 113.8 170.6
 51 39.5 34.2 51.4
 86 55.3 48.9 73.3





#19

trans-1,2-Dichloroethene

Concen: 20.476 ug/l

RT: 5.801 min Scan# 61

Delta R.T. -0.000 min

Lab File: VN076742.D

Acq: 17 Feb 2023 18:28

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tgt Ion: 96 Resp: 59210

Ion Ratio Lower Upper

96 100

61 133.7 111.0 166.4

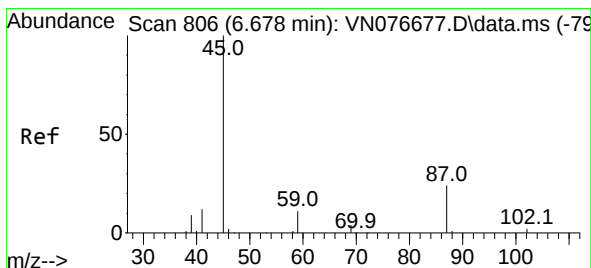
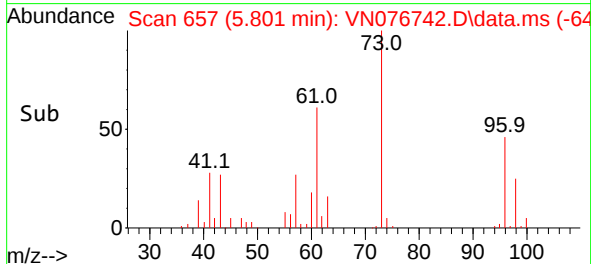
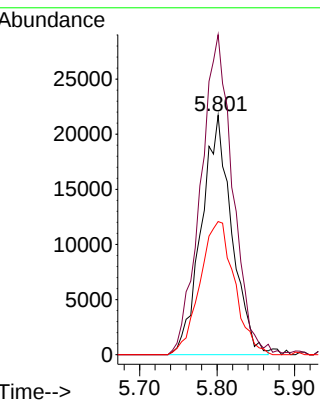
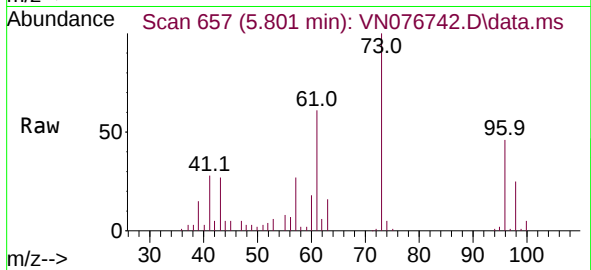
98 55.6 55.0 82.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/21/2023

Supervised By :Mahesh Dadoda 02/21/2023



#20

Diisopropyl ether

Concen: 21.347 ug/l

RT: 6.683 min Scan# 807

Delta R.T. 0.006 min

Lab File: VN076742.D

Acq: 17 Feb 2023 18:28

Tgt Ion: 45 Resp: 232996

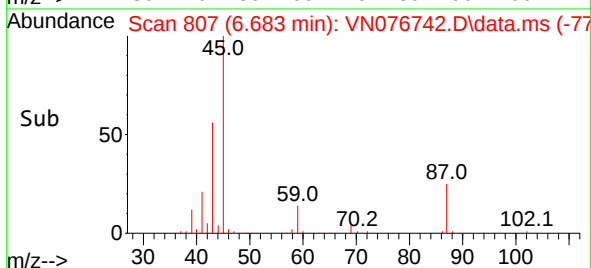
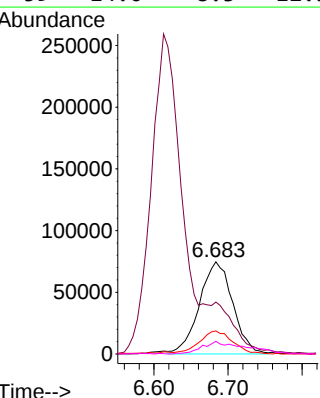
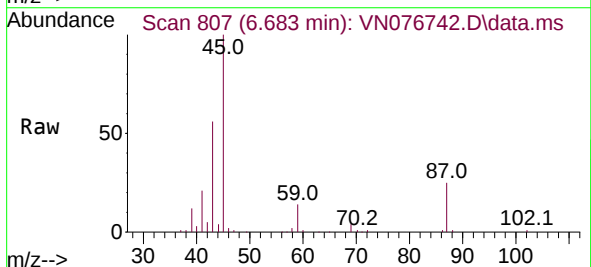
Ion Ratio Lower Upper

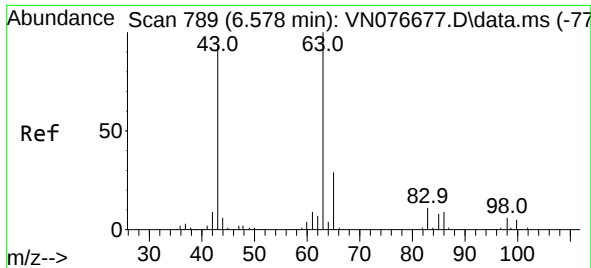
45 100

43 52.5 38.6 58.0

87 24.9 20.1 30.1

59 14.0 8.3 12.5#





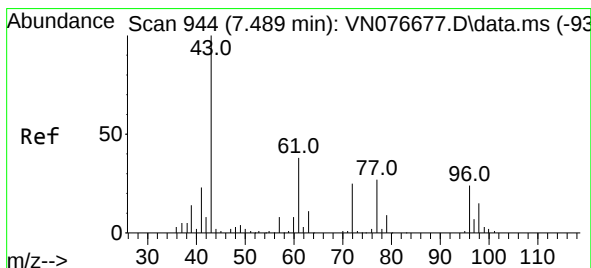
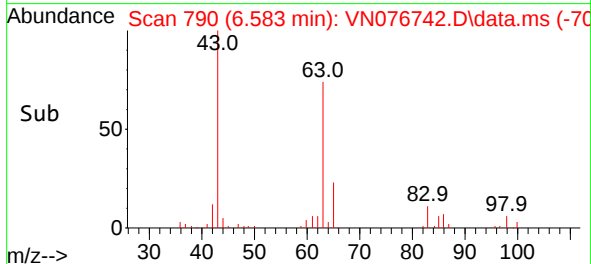
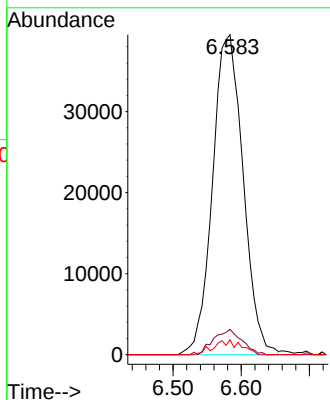
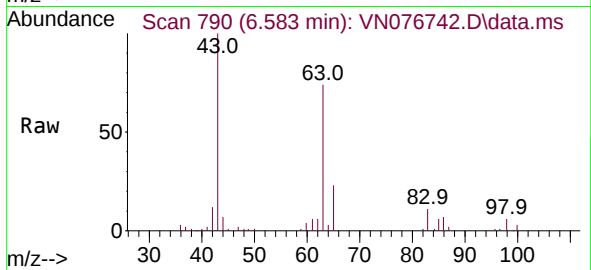
#21
1,1-Dichloroethane
Concen: 21.581 ug/l
RT: 6.583 min Scan# 790
Delta R.T. 0.006 min
Lab File: VN076742.D
Acq: 17 Feb 2023 18:28

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tgt Ion: 63 Resp: 123210
Ion Ratio Lower Upper
63 100
98 7.9 3.6 10.9
100 4.6 2.6 7.8

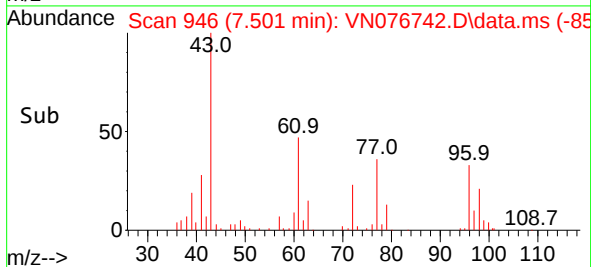
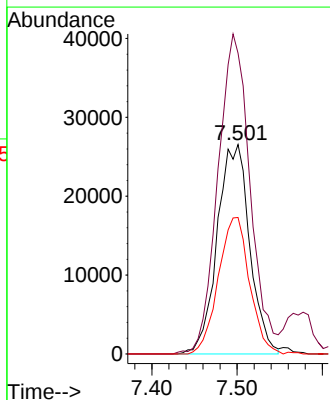
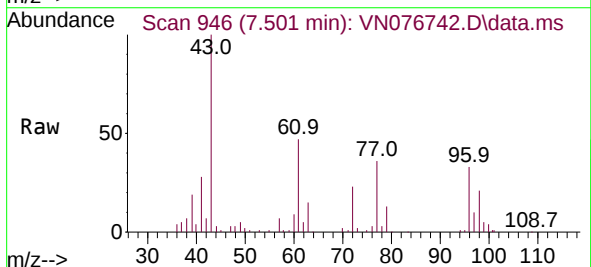
Manual Integrations
APPROVED

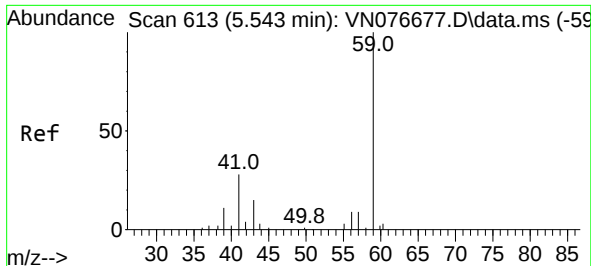
Reviewed By :John Carlone 02/21/2023
Supervised By :Mahesh Dadoda 02/21/2023



#22
cis-1,2-Dichloroethene
Concen: 21.149 ug/l
RT: 7.501 min Scan# 946
Delta R.T. 0.012 min
Lab File: VN076742.D
Acq: 17 Feb 2023 18:28

Tgt Ion: 96 Resp: 70176
Ion Ratio Lower Upper
96 100
61 151.2 121.0 181.4
98 62.6 50.1 75.1





#23

tert-Butyl Alcohol

Concen: 95.078 ug/l m

RT: 5.542 min Scan# 613

Delta R.T. -0.000 min

Lab File: VN076742.D

Acq: 17 Feb 2023 18:28

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tgt Ion: 59 Resp: 4458

Ion Ratio Lower Upper

59 100

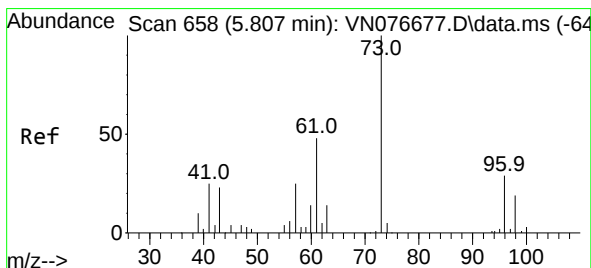
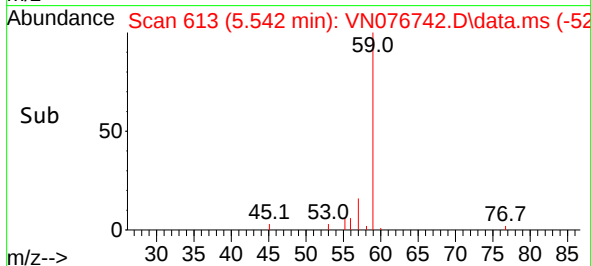
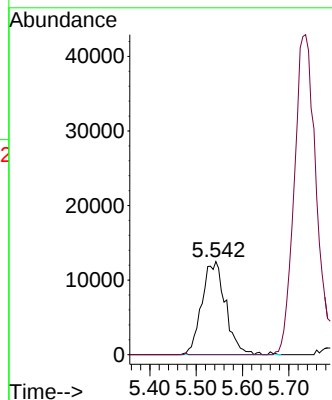
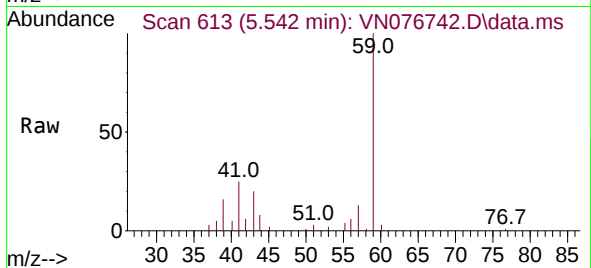
52 0.0 0.2 0.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/21/2023

Supervised By :Mahesh Dadoda 02/21/2023



#24

Methyl tert-Butyl Ether

Concen: 21.235 ug/l

RT: 5.807 min Scan# 658

Delta R.T. -0.000 min

Lab File: VN076742.D

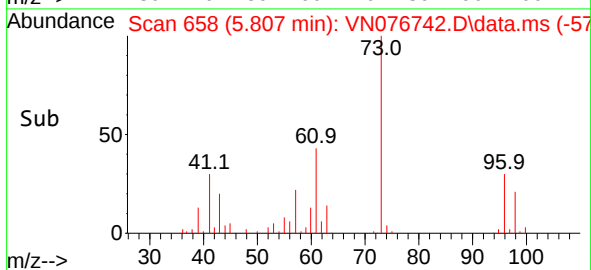
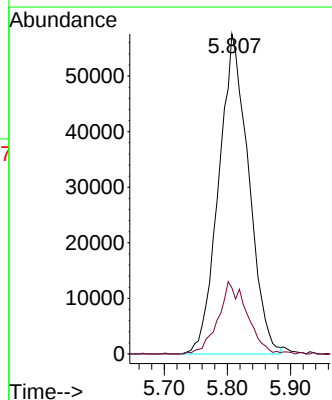
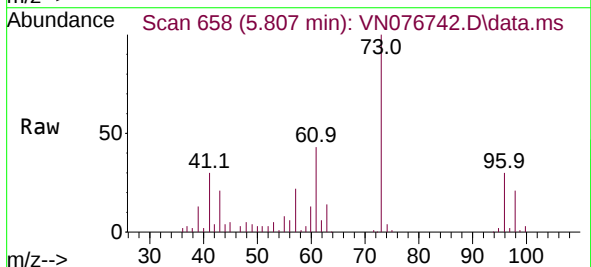
Acq: 17 Feb 2023 18:28

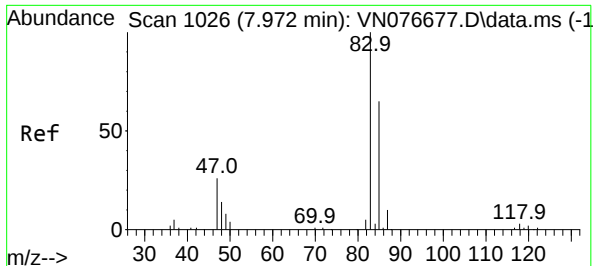
Tgt Ion: 73 Resp: 189463

Ion Ratio Lower Upper

73 100

43 13.2 17.8 26.6#





#25

Chloroform

Concen: 21.952 ug/l

RT: 7.972 min Scan# 1026

Delta R.T. -0.000 min

Lab File: VN076742.D

Acq: 17 Feb 2023 18:28

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tgt Ion: 83 Resp: 12289

Ion Ratio Lower Upper

83 100

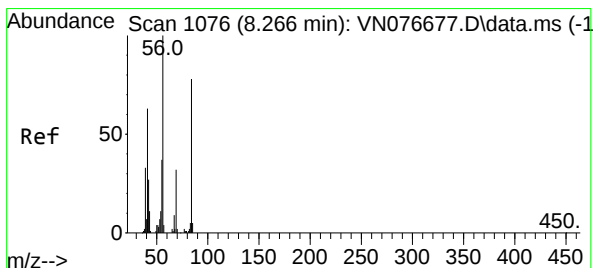
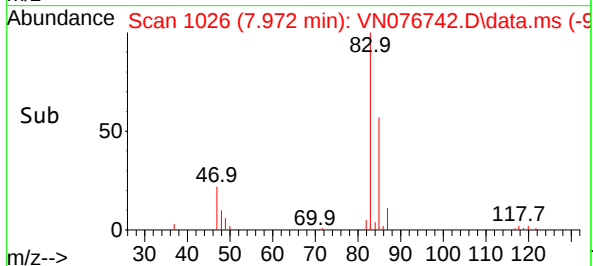
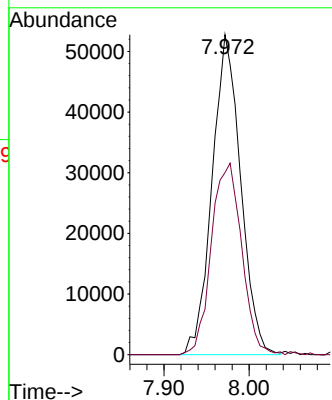
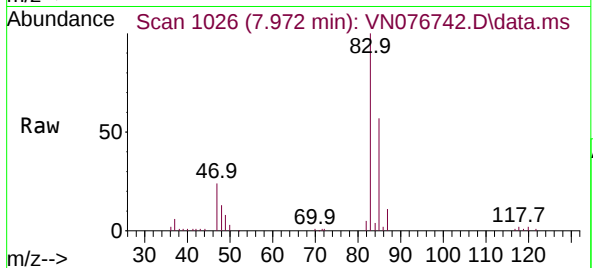
85 56.9 51.8 77.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/21/2023

Supervised By :Mahesh Dadoda 02/21/2023



#26

Cyclohexane

Concen: 20.657 ug/l

RT: 8.266 min Scan# 1076

Delta R.T. -0.000 min

Lab File: VN076742.D

Acq: 17 Feb 2023 18:28

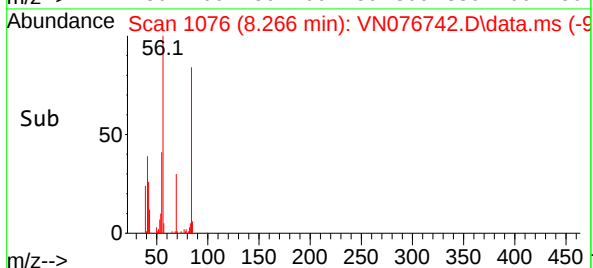
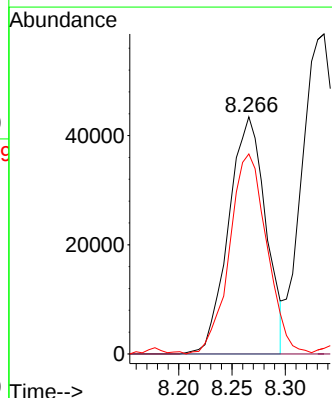
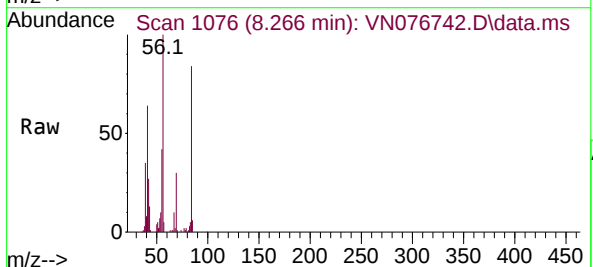
Tgt Ion: 56 Resp: 105407

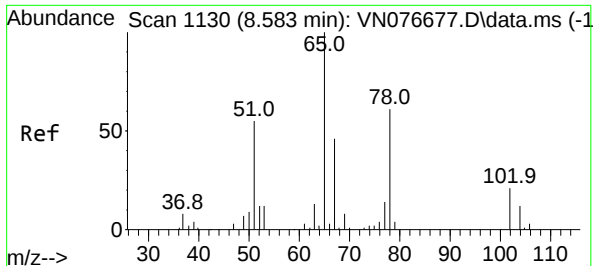
Ion Ratio Lower Upper

56 100

89 0.0 0.0 0.0

84 84.9 65.3 97.9





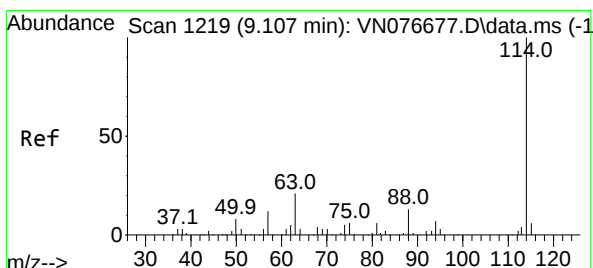
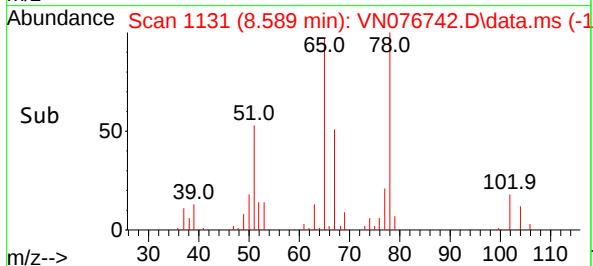
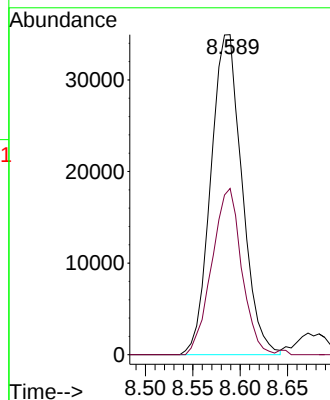
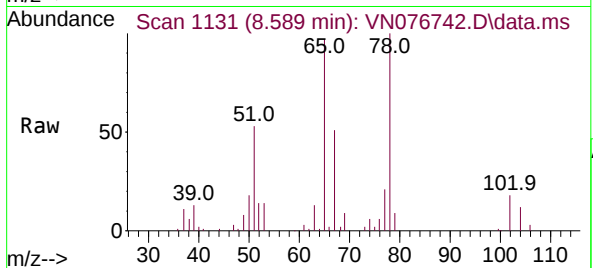
#27
1,2-Dichloroethane-d4
Concen: 33.459 ug/l
RT: 8.589 min Scan# 1131
Delta R.T. 0.006 min
Lab File: VN076742.D
Acq: 17 Feb 2023 18:28

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tgt Ion: 65 Resp: 79964
Ion Ratio Lower Upper
65 100
67 49.6 40.9 61.3

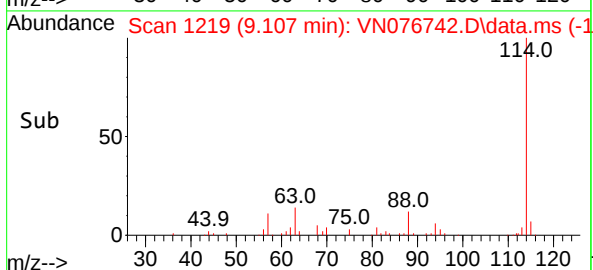
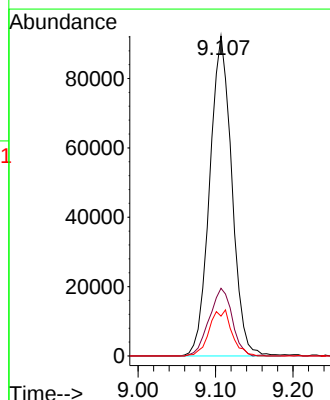
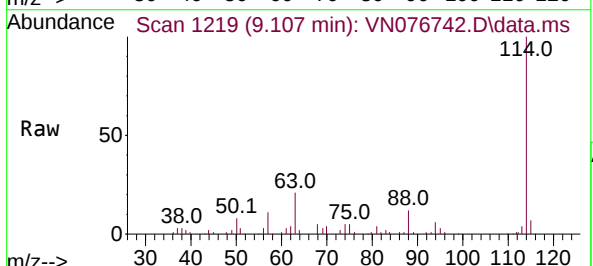
Manual Integrations
APPROVED

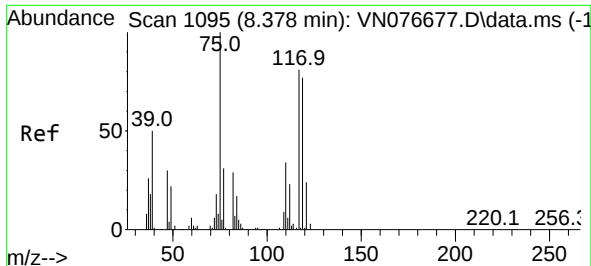
Reviewed By :John Carlone 02/21/2023
Supervised By :Mahesh Dadoda 02/21/2023



#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 9.107 min Scan# 1219
Delta R.T. -0.000 min
Lab File: VN076742.D
Acq: 17 Feb 2023 18:28

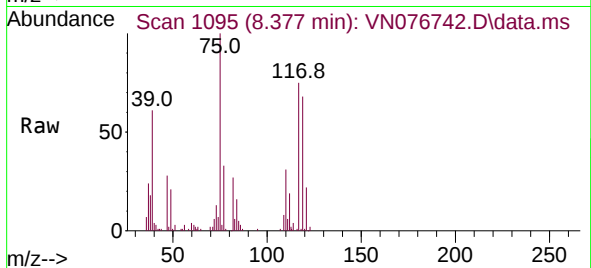
Tgt Ion:114 Resp: 182870
Ion Ratio Lower Upper
114 100
63 21.9 17.0 25.4
88 14.7 11.6 17.4





#29
1,1-Dichloropropene
Concen: 21.372 ug/l
RT: 8.377 min Scan# 1095
Delta R.T. -0.000 min
Lab File: VN076742.D
Acq: 17 Feb 2023 18:28

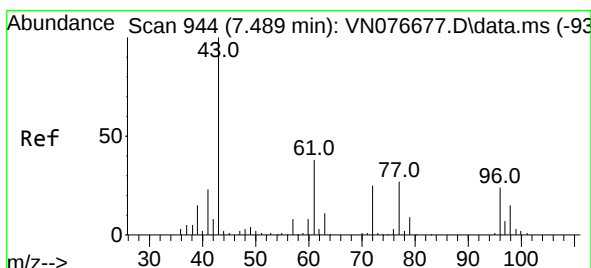
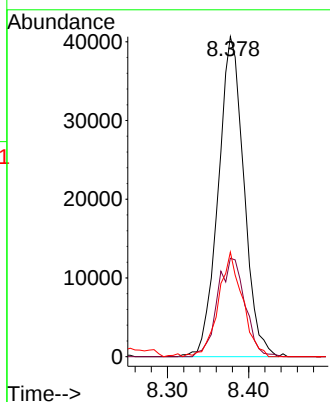
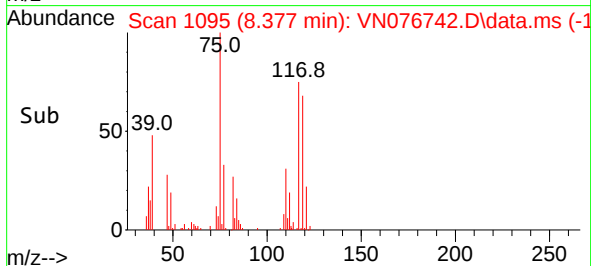
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



Tgt Ion: 75	Resp: 8915
Ion Ratio	Lower Upper
75 100	
110 33.1	0.0 67.2
77 30.7	0.0 64.4

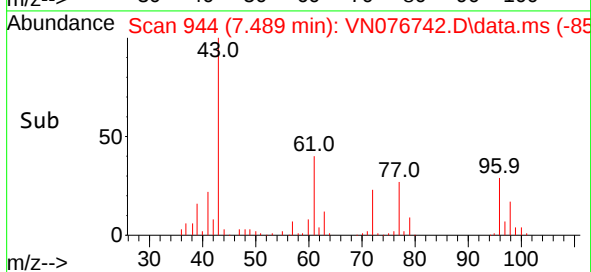
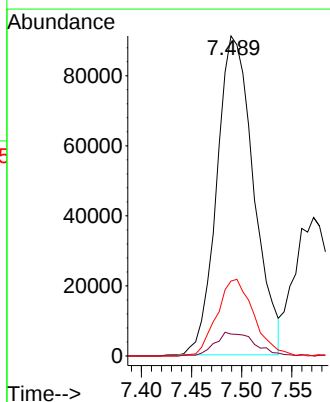
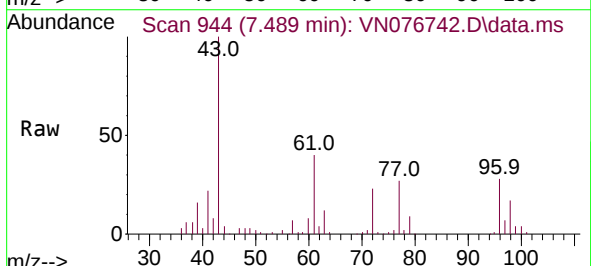
Manual Integrations
APPROVED

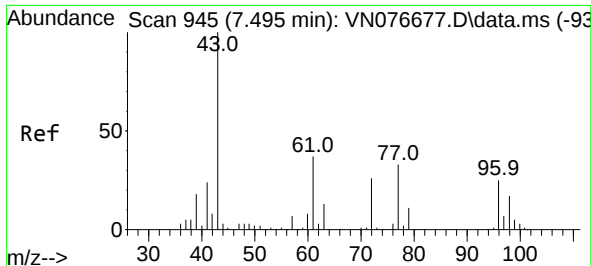
Reviewed By :John Carlone 02/21/2023
Supervised By :Mahesh Dadoda 02/21/2023



#30
2-Butanone
Concen: 95.745 ug/l
RT: 7.489 min Scan# 944
Delta R.T. -0.000 min
Lab File: VN076742.D
Acq: 17 Feb 2023 18:28

Tgt Ion: 43	Resp: 232965
Ion Ratio	Lower Upper
43 100	
57 7.5	6.1 9.1
72 24.0	20.2 30.4





#31

2,2-Dichloropropane

Concen: 19.038 ug/l

RT: 7.507 min Scan# 94

Delta R.T. 0.012 min

Lab File: VN076742.D

Acq: 17 Feb 2023 18:28

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tgt Ion: 77 Resp: 8299

Ion Ratio Lower Upper

77 100

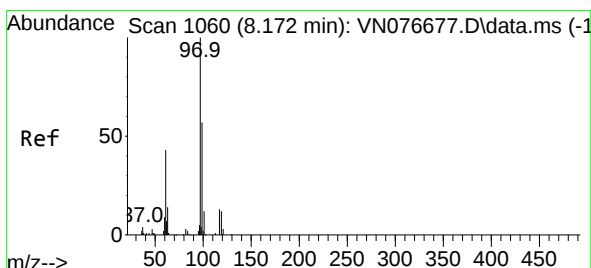
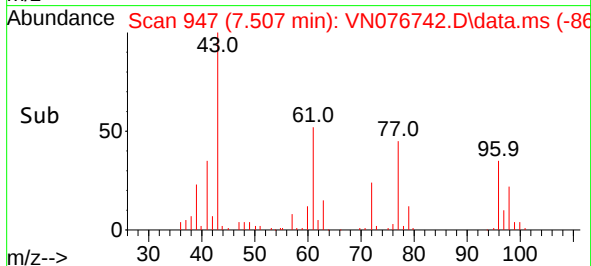
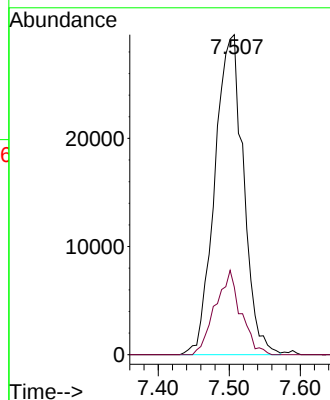
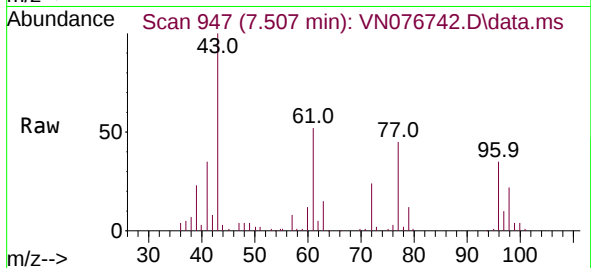
97 23.0 7.2 10.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/21/2023

Supervised By :Mahesh Dadoda 02/21/2023



#32

1,1,1-Trichloroethane

Concen: 20.520 ug/l

RT: 8.178 min Scan# 1061

Delta R.T. 0.006 min

Lab File: VN076742.D

Acq: 17 Feb 2023 18:28

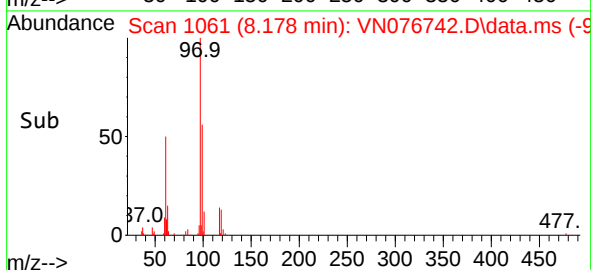
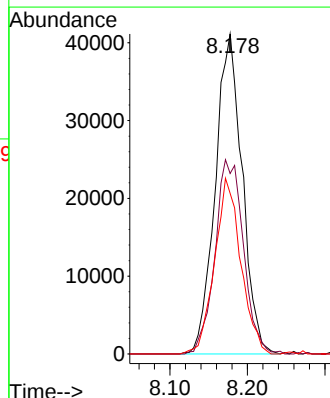
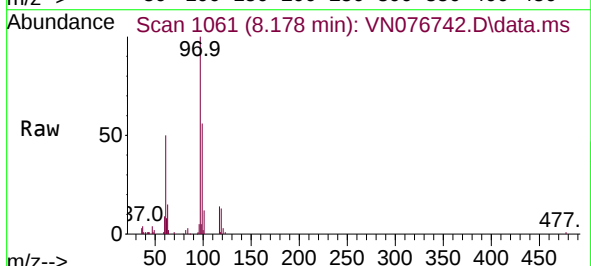
Tgt Ion: 97 Resp: 99367

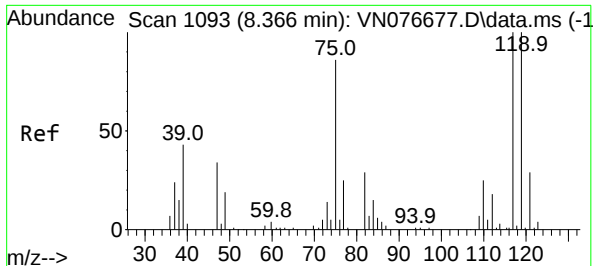
Ion Ratio Lower Upper

97 100

99 63.9 51.8 77.8

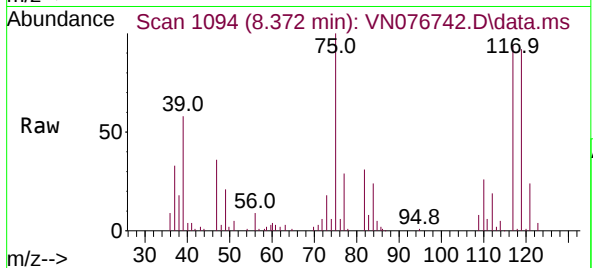
61 53.5 39.3 58.9





#33
Carbon Tetrachloride
Concen: 19.800 ug/l
RT: 8.372 min Scan# 1094
Delta R.T. 0.006 min
Lab File: VN076742.D
Acq: 17 Feb 2023 18:28

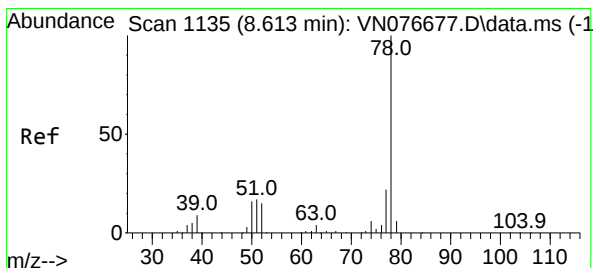
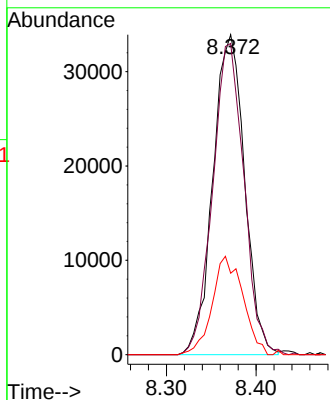
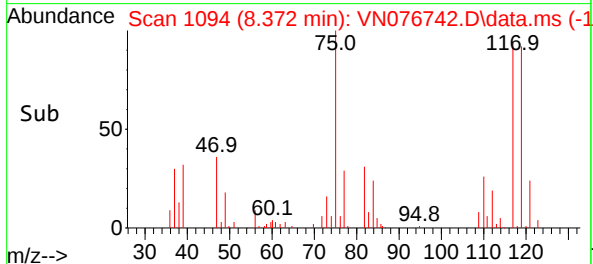
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



Tgt Ion: 117 Resp: 83079
Ion Ratio Lower Upper
117 100
119 97.2 79.8 119.8
121 25.5 23.4 35.0

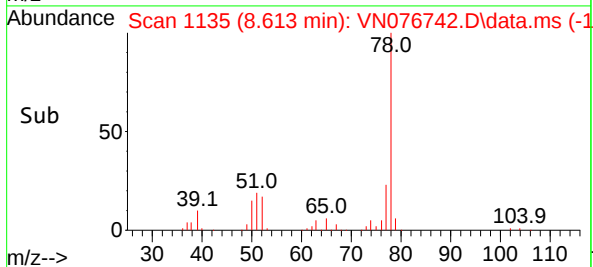
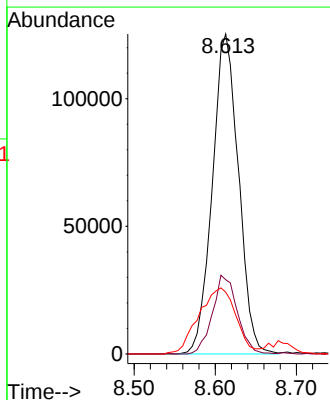
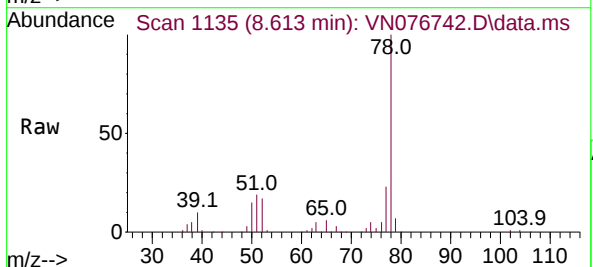
Manual Integrations
APPROVED

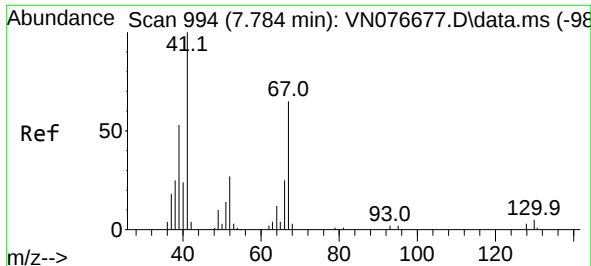
Reviewed By : John Carlone 02/21/2023
Supervised By : Mahesh Dadoda 02/21/2023



#34
Benzene
Concen: 21.110 ug/l
RT: 8.613 min Scan# 1135
Delta R.T. -0.000 min
Lab File: VN076742.D
Acq: 17 Feb 2023 18:28

Tgt Ion: 78 Resp: 281129
Ion Ratio Lower Upper
78 100
77 23.2 17.4 26.2
51 18.3 13.8 20.6





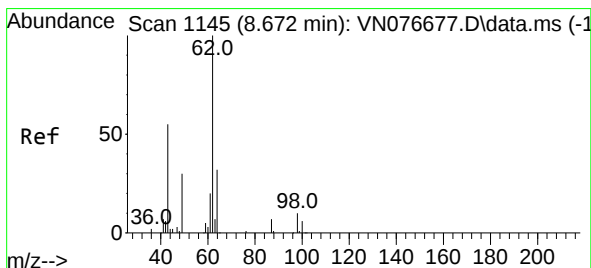
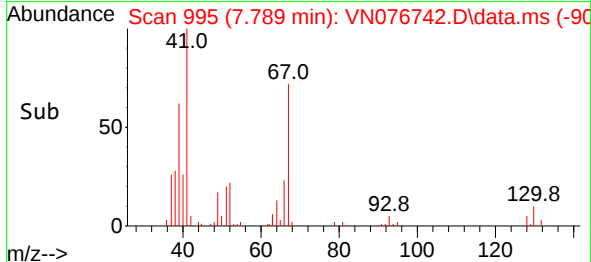
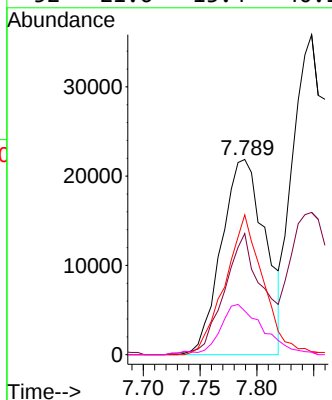
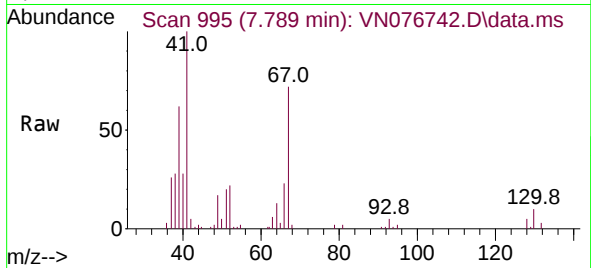
#35
Methacrylonitrile
Concen: 22.142 ug/l
RT: 7.789 min Scan# 995
Delta R.T. 0.006 min
Lab File: VN076742.D
Acq: 17 Feb 2023 18:28

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tgt Ion: 41 Resp: 58768
Ion Ratio Lower Upper
41 100
39 61.3 26.6 79.7
67 71.7 32.3 96.9
52 21.6 13.4 40.1

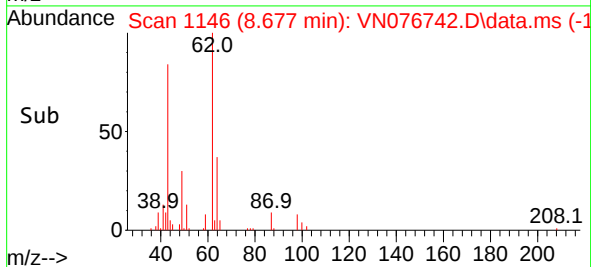
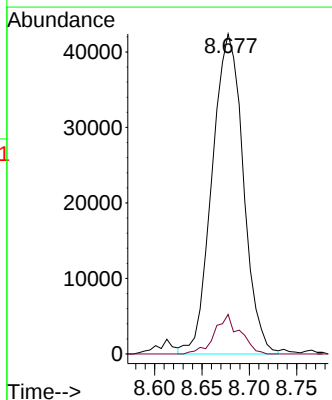
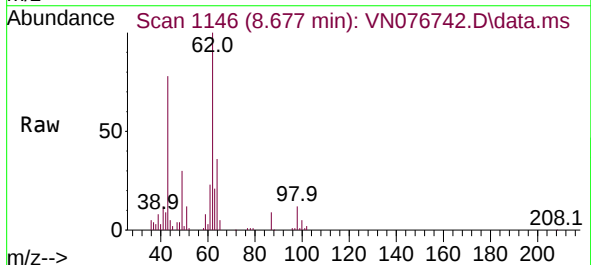
Manual Integrations
APPROVED

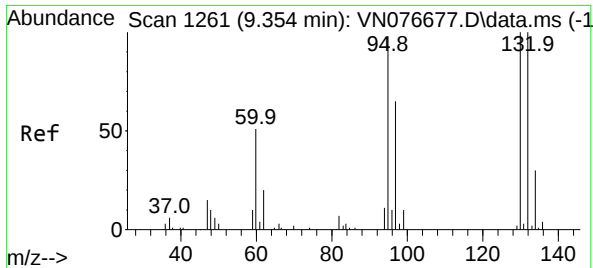
Reviewed By :John Carlone 02/21/2023
Supervised By :Mahesh Dadoda 02/21/2023



#36
1,2-Dichloroethane
Concen: 21.804 ug/l
RT: 8.677 min Scan# 1146
Delta R.T. 0.006 min
Lab File: VN076742.D
Acq: 17 Feb 2023 18:28

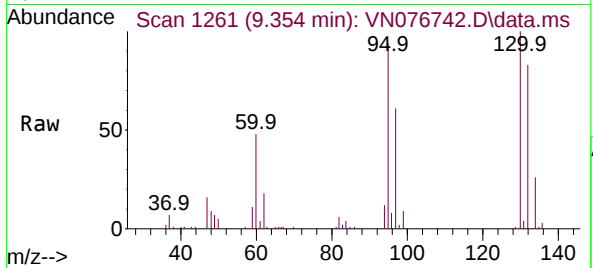
Tgt Ion: 62 Resp: 97191
Ion Ratio Lower Upper
62 100
98 7.2 7.4 11.0#





#37
Trichloroethene
Concen: 19.989 ug/l
RT: 9.354 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN076742.D
Acq: 17 Feb 2023 18:28

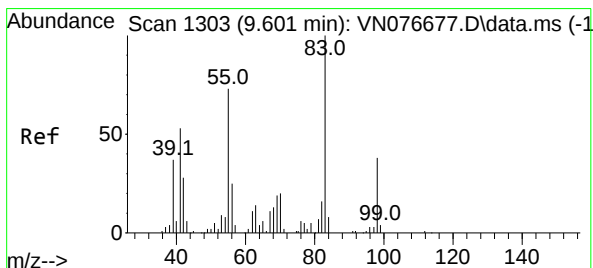
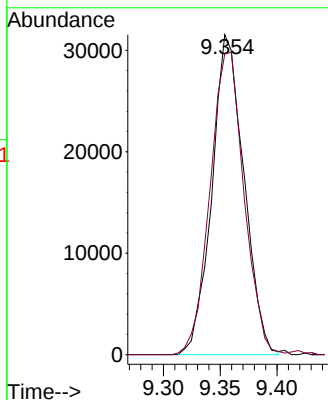
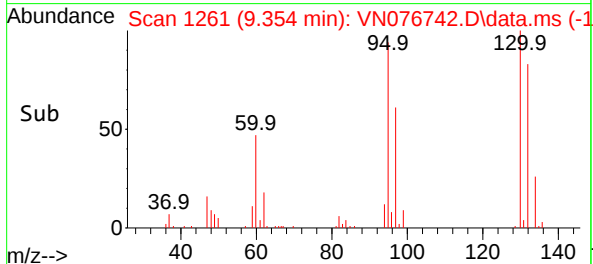
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



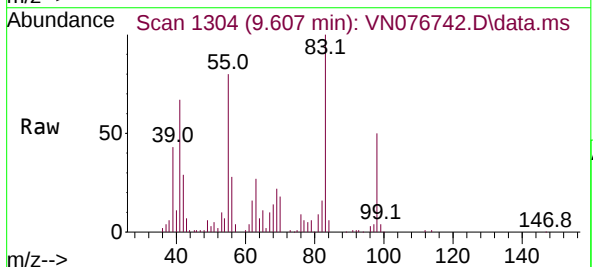
Tgt Ion:130 Resp: 61900
Ion Ratio Lower Upper
130 100
95 93.5 78.7 118.1

Manual Integrations
APPROVED

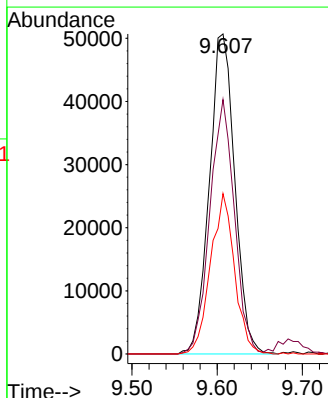
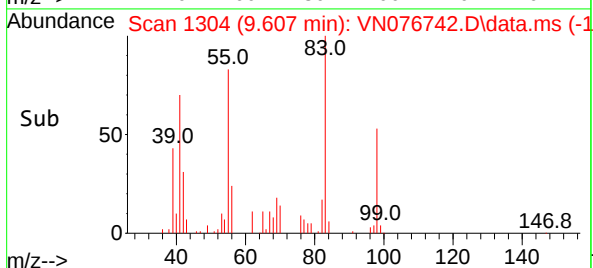
Reviewed By :John Carlone 02/21/2023
Supervised By :Mahesh Dadoda 02/21/2023

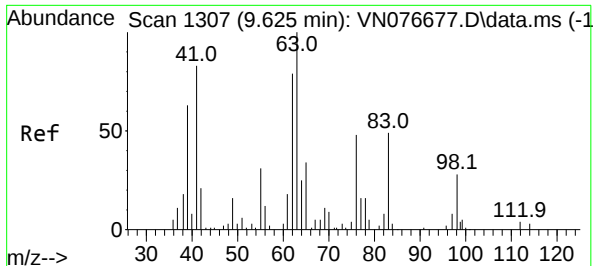


#38
Methylcyclohexane
Concen: 20.015 ug/l
RT: 9.607 min Scan# 1304
Delta R.T. 0.006 min
Lab File: VN076742.D
Acq: 17 Feb 2023 18:28



Tgt Ion: 83 Resp: 105064
Ion Ratio Lower Upper
83 100
55 76.9 37.6 112.9
98 47.2 24.1 72.4





#39

1,2-Dichloropropane

Concen: 21.136 ug/l

RT: 9.624 min Scan# 11

Delta R.T. -0.000 min

Lab File: VN076742.D

Acq: 17 Feb 2023 18:28

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tgt Ion: 63 Resp: 73150

Ion Ratio Lower Upper

63 100

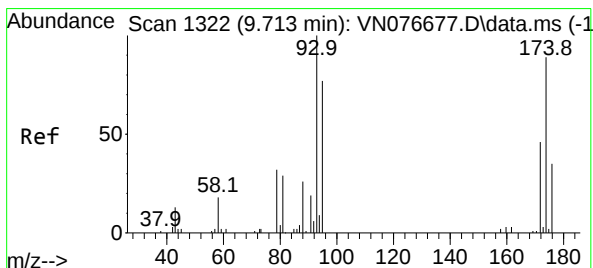
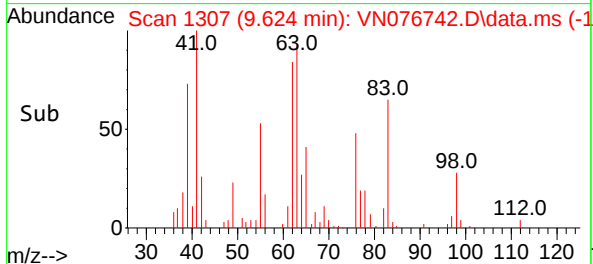
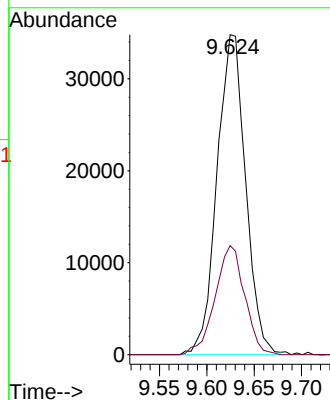
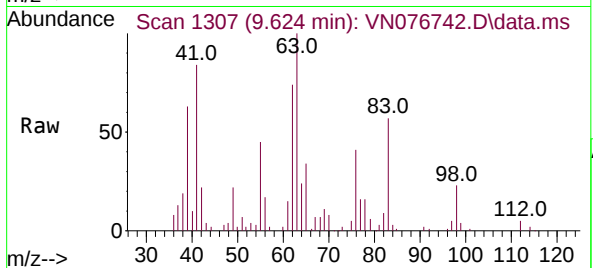
65 34.1 27.2 40.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/21/2023

Supervised By :Mahesh Dadoda 02/21/2023



#40

Dibromomethane

Concen: 21.793 ug/l

RT: 9.713 min Scan# 1322

Delta R.T. -0.000 min

Lab File: VN076742.D

Acq: 17 Feb 2023 18:28

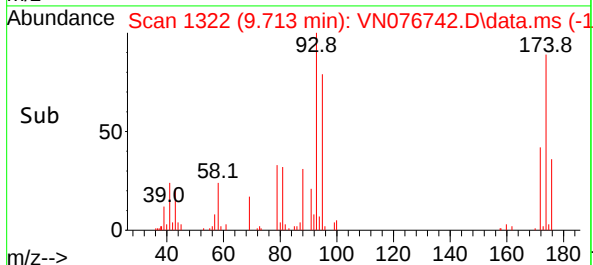
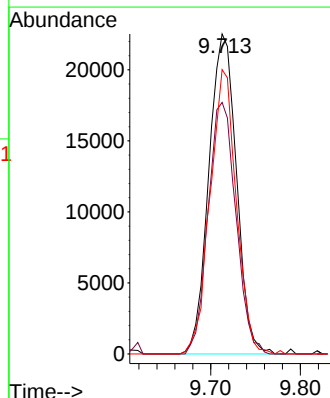
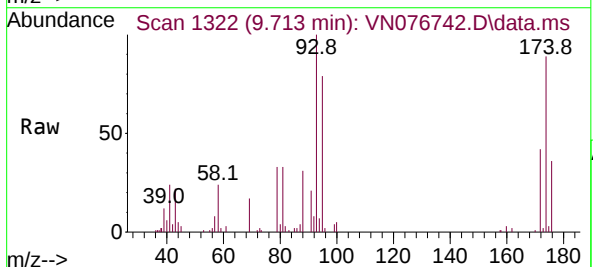
Tgt Ion: 93 Resp: 48101

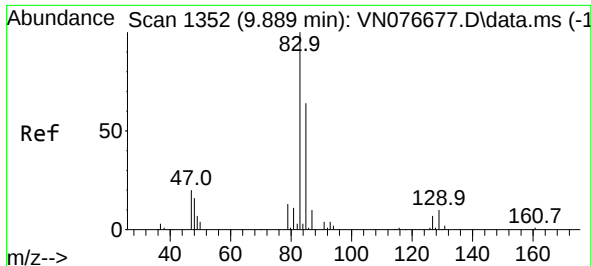
Ion Ratio Lower Upper

93 100

95 79.3 0.0 158.0

174 84.7 0.0 171.2





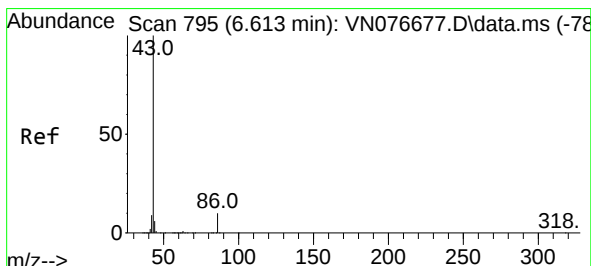
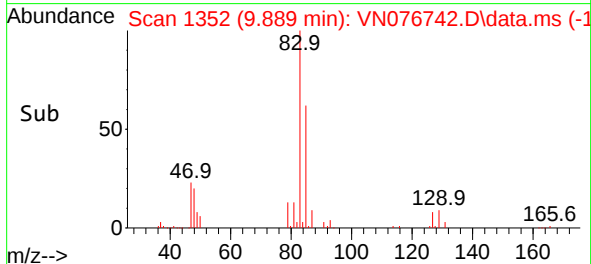
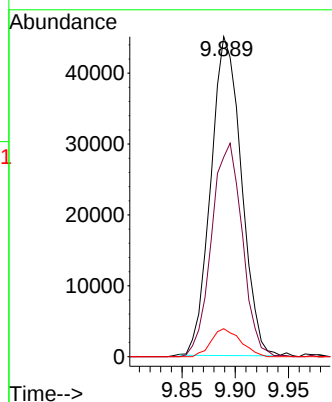
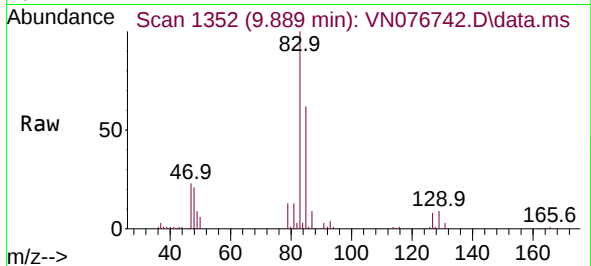
#41
Bromodichloromethane
Concen: 20.256 ug/l
RT: 9.889 min Scan# 1352
Delta R.T. -0.000 min
Lab File: VN076742.D
Acq: 17 Feb 2023 18:28

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tgt Ion: 83 Resp: 8968
Ion Ratio Lower Upper
83 100
85 62.6 51.0 76.4
127 8.8 6.2 9.2

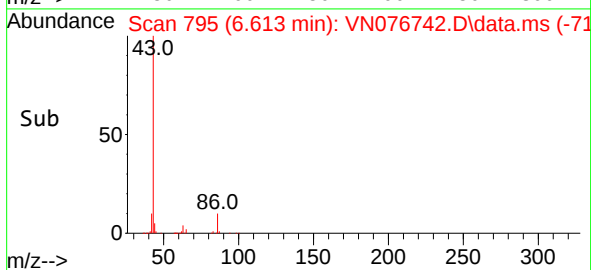
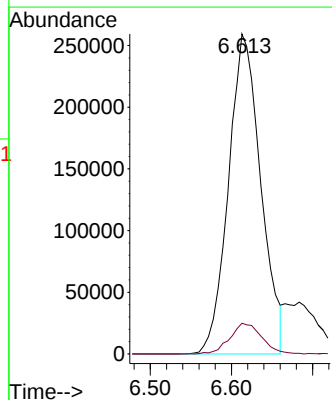
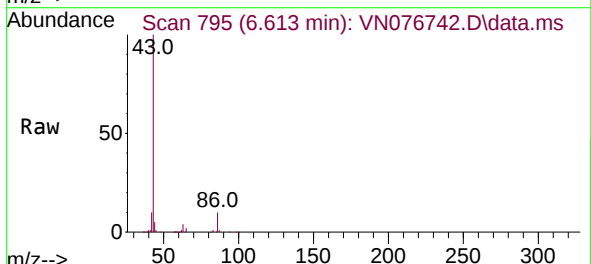
Manual Integrations
APPROVED

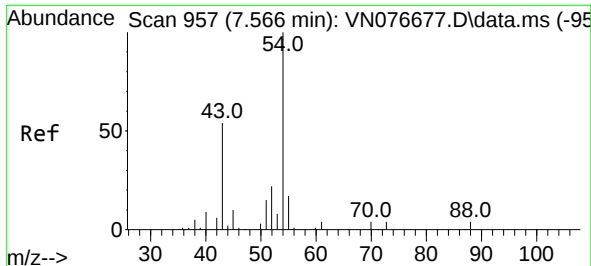
Reviewed By :John Carlone 02/21/2023
Supervised By :Mahesh Dadoda 02/21/2023



#42
Vinyl Acetate
Concen: 101.619 ug/l
RT: 6.613 min Scan# 795
Delta R.T. -0.000 min
Lab File: VN076742.D
Acq: 17 Feb 2023 18:28

Tgt Ion: 43 Resp: 716569
Ion Ratio Lower Upper
43 100
86 9.5 7.8 11.6





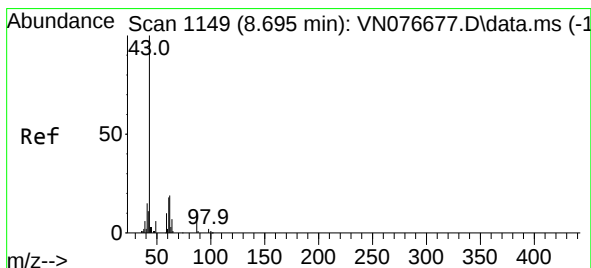
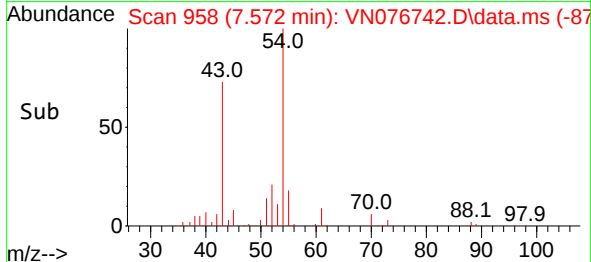
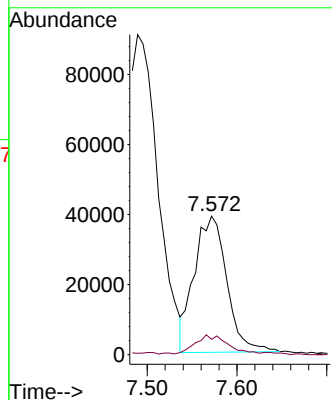
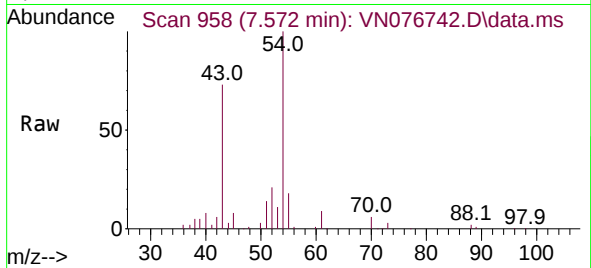
#43
Ethyl Acetate
Concen: 21.179 ug/l
RT: 7.572 min Scan# 957
Delta R.T. 0.006 min
Lab File: VN076742.D
Acq: 17 Feb 2023 18:28

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tgt Ion: 43 Resp: 98178
Ion Ratio Lower Upper
43 100
45 14.7 11.2 16.8

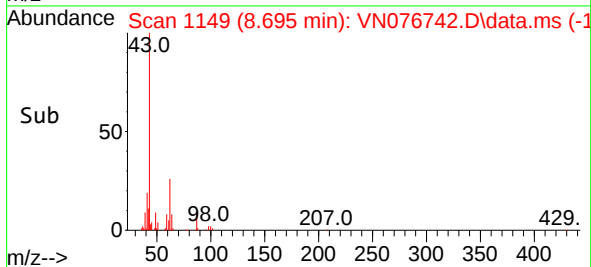
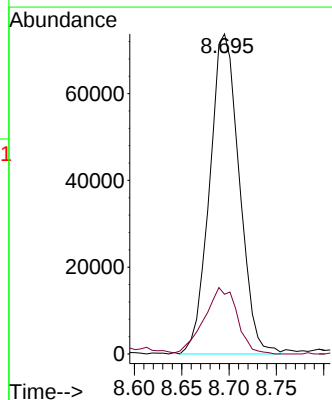
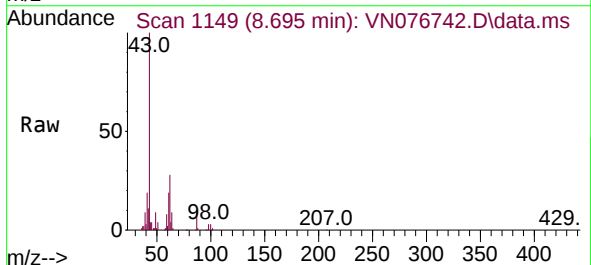
Manual Integrations
APPROVED

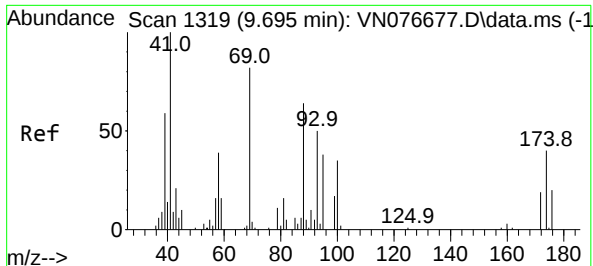
Reviewed By :John Carlone 02/21/2023
Supervised By :Mahesh Dadoda 02/21/2023



#44
Isopropyl Acetate
Concen: 21.079 ug/l
RT: 8.695 min Scan# 1149
Delta R.T. -0.000 min
Lab File: VN076742.D
Acq: 17 Feb 2023 18:28

Tgt Ion: 43 Resp: 160852
Ion Ratio Lower Upper
43 100
61 23.1 19.5 29.3





#45

1,4-Dioxane

Concen: 351.199 ug/l m

RT: 9.695 min Scan# 1319

Delta R.T. -0.000 min

Lab File: VN076742.D

Acq: 17 Feb 2023 18:28

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tgt Ion: 88 Resp: 2268

Ion Ratio Lower Upper

88 100

43 30.2 26.0 39.0

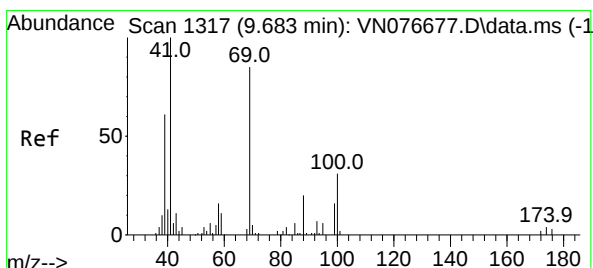
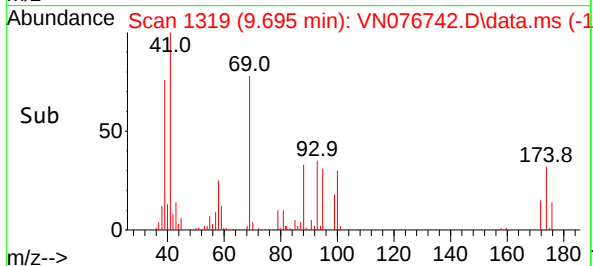
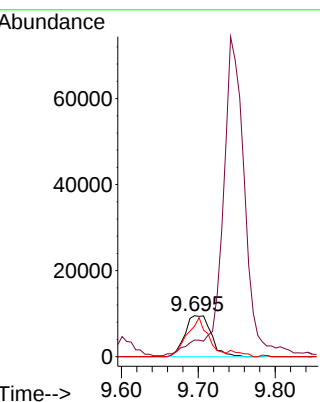
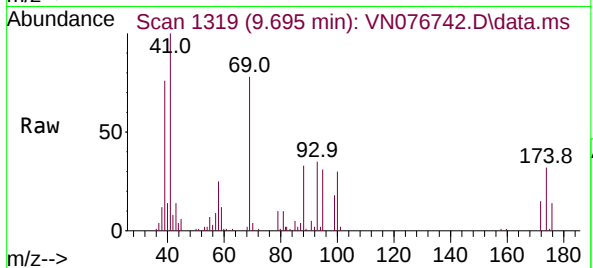
58 76.1 54.3 81.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/21/2023

Supervised By :Mahesh Dadoda 02/21/2023



#46

Methyl methacrylate

Concen: 21.542 ug/l

RT: 9.683 min Scan# 1317

Delta R.T. -0.000 min

Lab File: VN076742.D

Acq: 17 Feb 2023 18:28

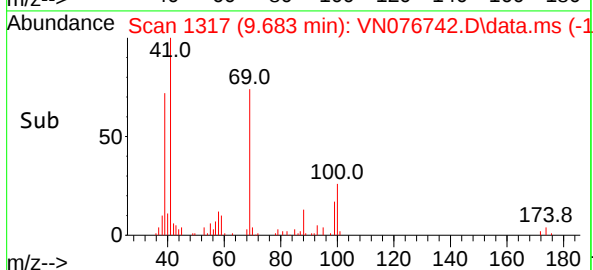
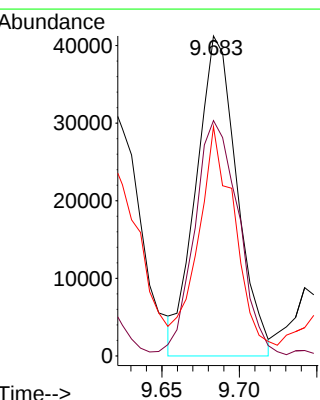
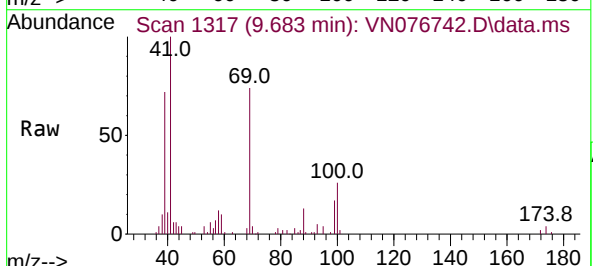
Tgt Ion: 41 Resp: 75461

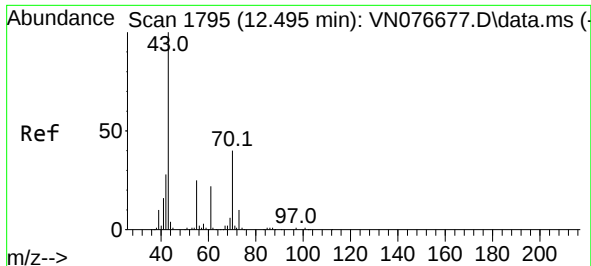
Ion Ratio Lower Upper

41 100

69 74.1 40.6 121.7

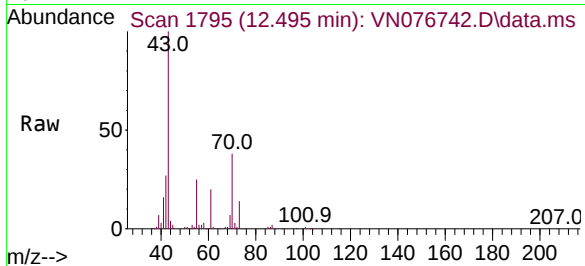
39 70.7 30.5 91.5





#47
n-amy1 Acetate
Concen: 20.962 ug/l
RT: 12.495 min Scan# 1795
Delta R.T. -0.000 min
Lab File: VN076742.D
Acq: 17 Feb 2023 18:28

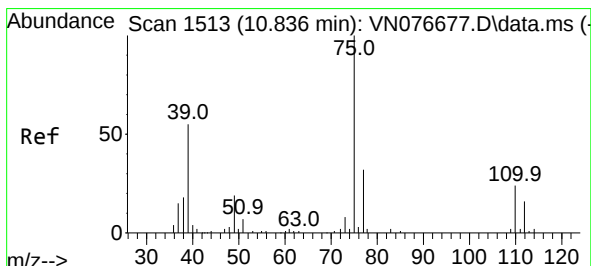
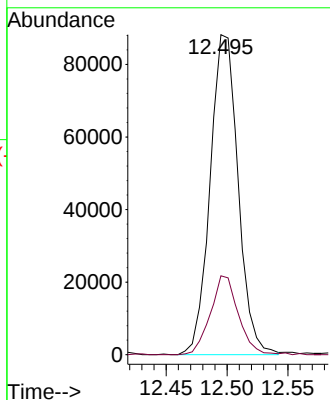
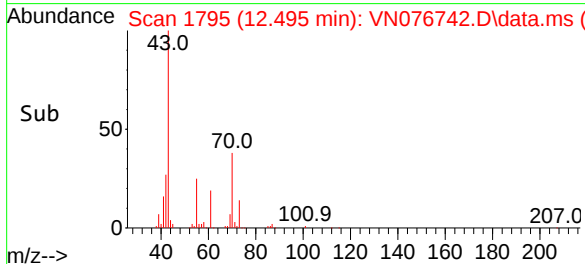
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



Tgt Ion: 43 Resp: 141258
Ion Ratio Lower Upper
43 100
55 24.5 18.3 27.5

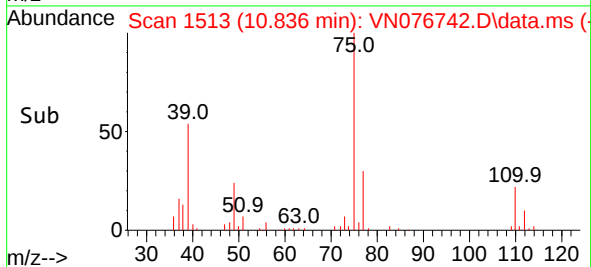
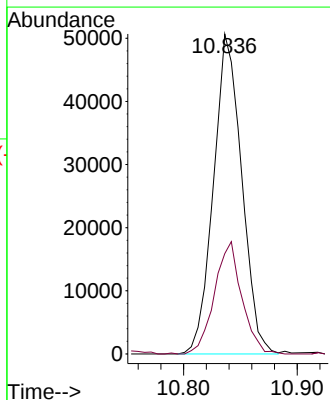
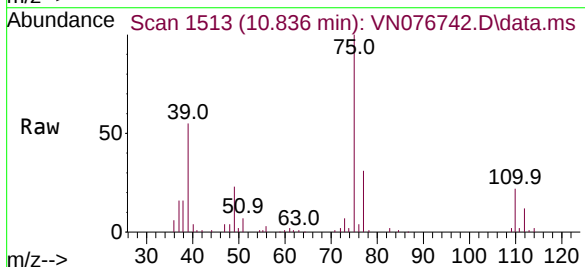
Manual Integrations
APPROVED

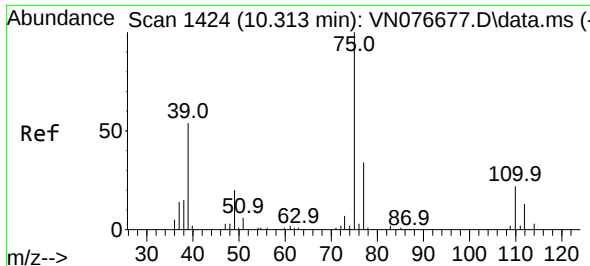
Reviewed By :John Carlone 02/21/2023
Supervised By :Mahesh Dadoda 02/21/2023



#48
t-1,3-Dichloropropene
Concen: 19.484 ug/l
RT: 10.836 min Scan# 1513
Delta R.T. -0.000 min
Lab File: VN076742.D
Acq: 17 Feb 2023 18:28

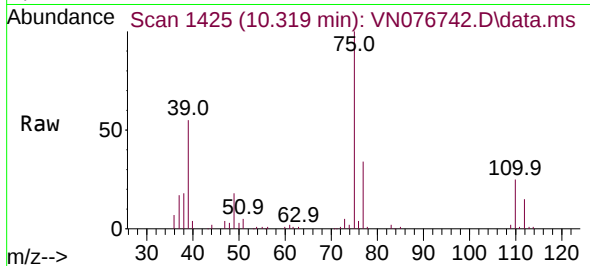
Tgt Ion: 75 Resp: 87495
Ion Ratio Lower Upper
75 100
77 31.3 25.4 38.2





#49
cis-1,3-Dichloropropene
Concen: 20.037 ug/l
RT: 10.319 min Scan# 1424
Delta R.T. 0.006 min
Lab File: VN076742.D
Acq: 17 Feb 2023 18:28

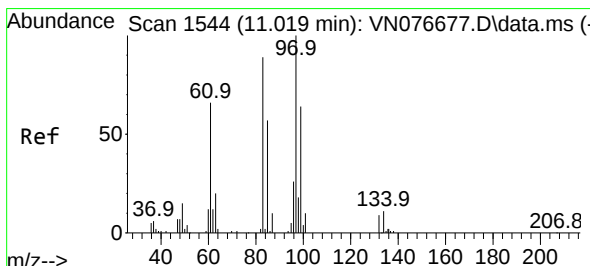
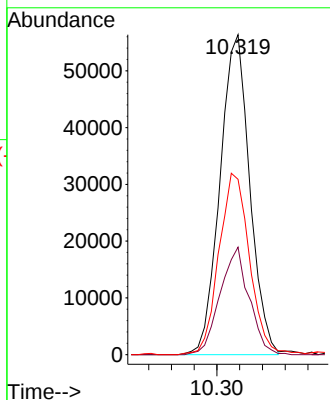
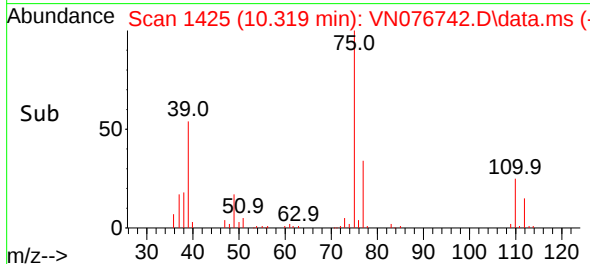
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



Tgt Ion: 75 Resp: 102409
Ion Ratio Lower Upper
75 100
77 33.6 27.5 41.3
39 54.8 43.5 65.3

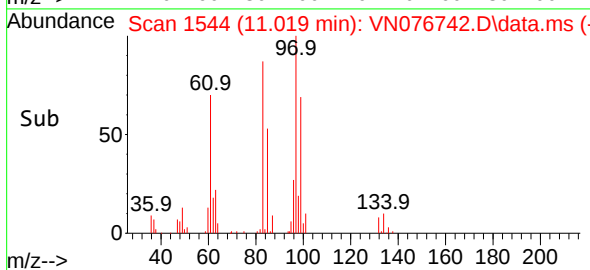
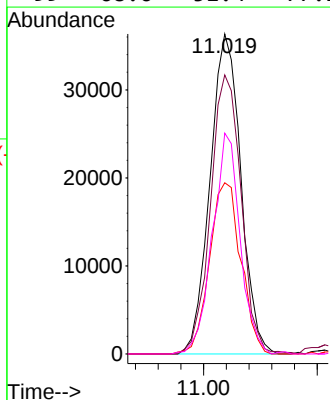
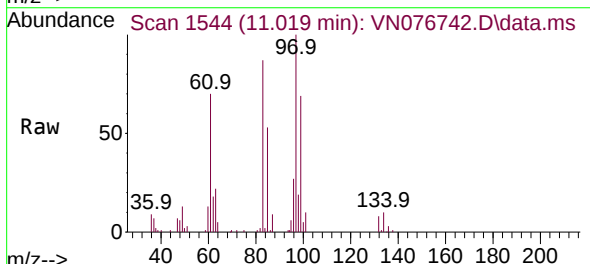
Manual Integrations
APPROVED

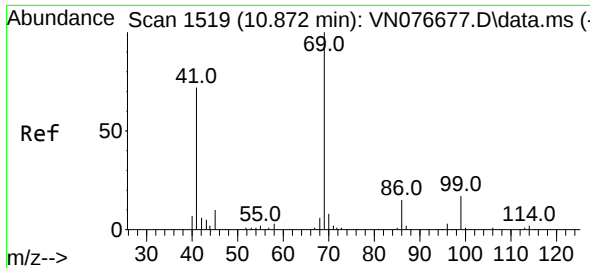
Reviewed By :John Carlone 02/21/2023
Supervised By :Mahesh Dadoda 02/21/2023



#50
1,1,2-Trichloroethane
Concen: 21.336 ug/l
RT: 11.019 min Scan# 1544
Delta R.T. -0.000 min
Lab File: VN076742.D
Acq: 17 Feb 2023 18:28

Tgt Ion: 97 Resp: 68458
Ion Ratio Lower Upper
97 100
83 87.2 71.0 106.4
85 53.5 45.5 68.3
99 68.6 51.4 77.2





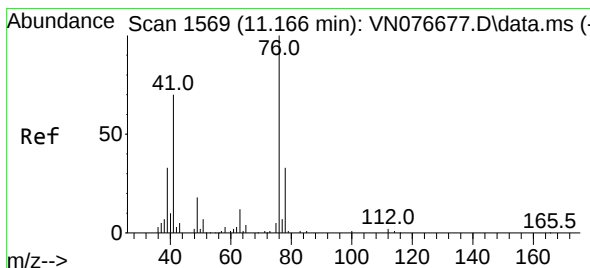
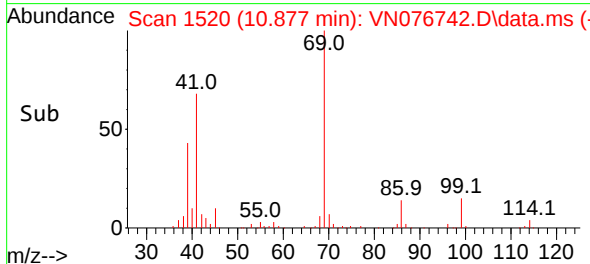
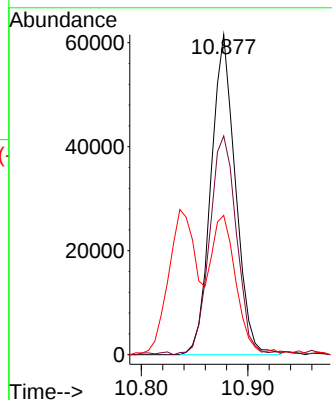
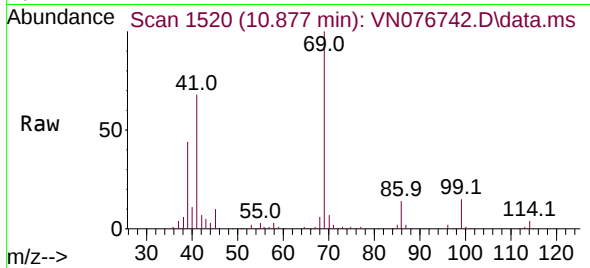
#51
Ethyl methacrylate
Concen: 21.045 ug/l
RT: 10.877 min Scan# 1519
Delta R.T. 0.006 min
Lab File: VN076742.D
Acq: 17 Feb 2023 18:28

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tgt Ion: 69 Resp: 98039
Ion Ratio Lower Upper
69 100
41 67.7 36.3 108.7
39 43.2 19.9 59.7

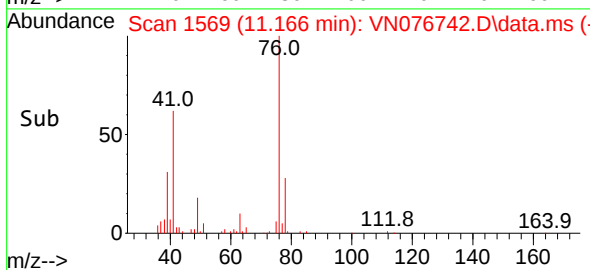
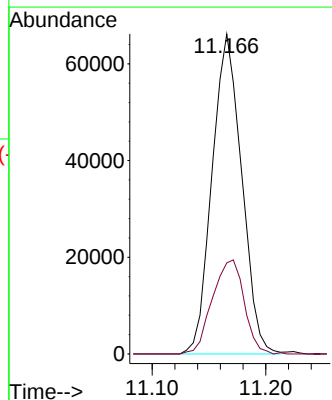
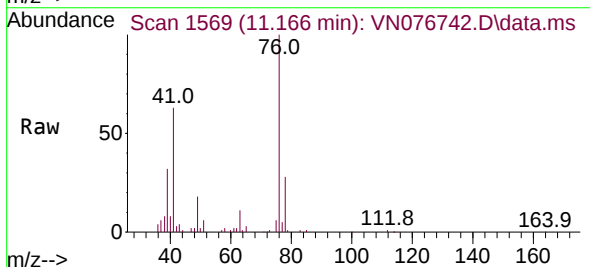
Manual Integrations
APPROVED

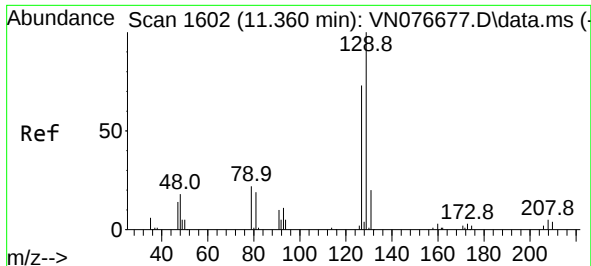
Reviewed By :John Carlone 02/21/2023
Supervised By :Mahesh Dadoda 02/21/2023



#52
1,3-Dichloropropane
Concen: 21.712 ug/l
RT: 11.166 min Scan# 1569
Delta R.T. -0.000 min
Lab File: VN076742.D
Acq: 17 Feb 2023 18:28

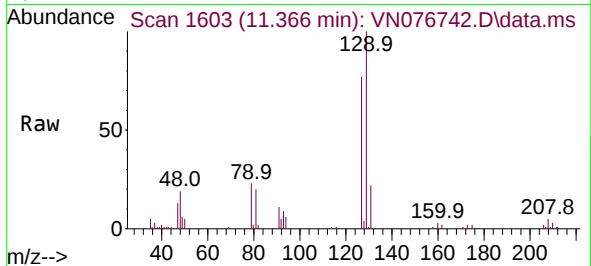
Tgt Ion: 76 Resp: 119770
Ion Ratio Lower Upper
76 100
78 31.5 0.0 65.4





#53
Dibromochloromethane
Concen: 19.787 ug/l
RT: 11.366 min Scan# 1602
Delta R.T. 0.006 min
Lab File: VN076742.D
Acq: 17 Feb 2023 18:28

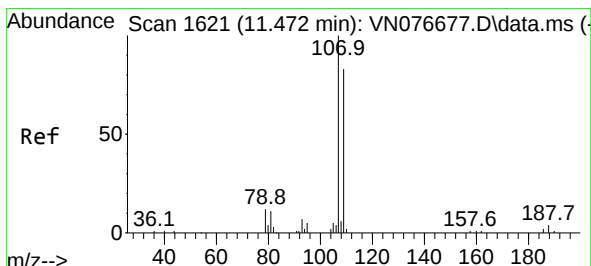
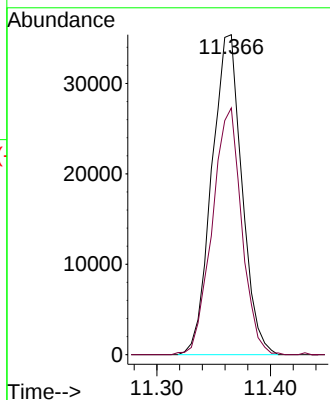
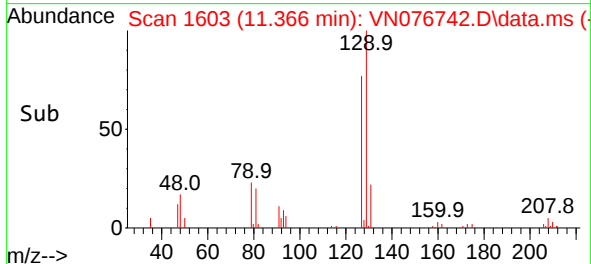
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



Tgt Ion:129 Resp: 65218
Ion Ratio Lower Upper
129 100
127 75.3 39.4 118.1

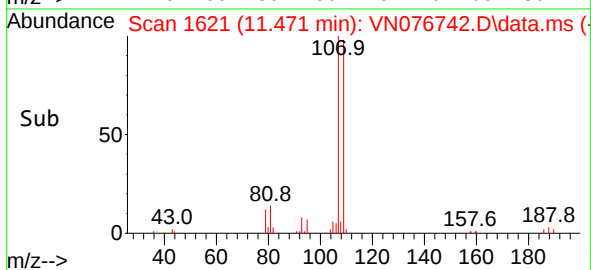
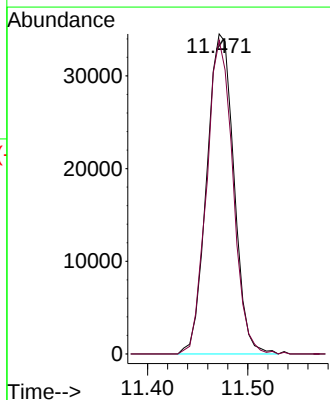
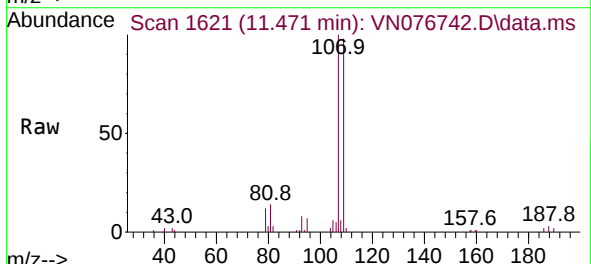
Manual Integrations
APPROVED

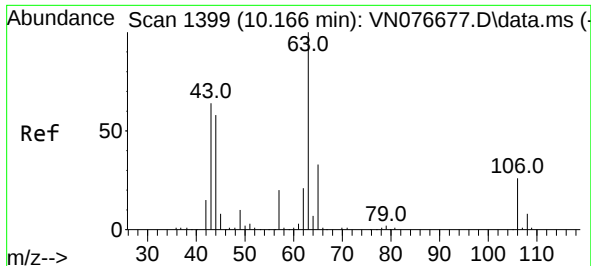
Reviewed By :John Carlone 02/21/2023
Supervised By :Mahesh Dadoda 02/21/2023



#54
1,2-Dibromoethane
Concen: 20.831 ug/l
RT: 11.471 min Scan# 1621
Delta R.T. -0.000 min
Lab File: VN076742.D
Acq: 17 Feb 2023 18:28

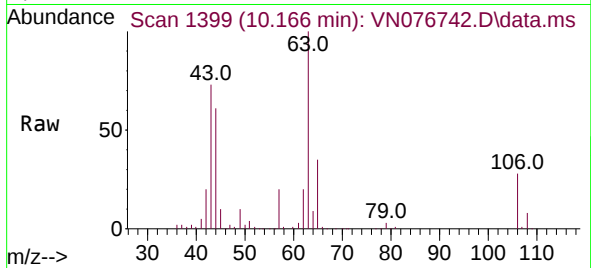
Tgt Ion:107 Resp: 65066
Ion Ratio Lower Upper
107 100
109 94.8 74.6 112.0





#55
2-Chloroethyl vinyl ether
Concen: 105.046 ug/l
RT: 10.166 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN076742.D
Acq: 17 Feb 2023 18:28

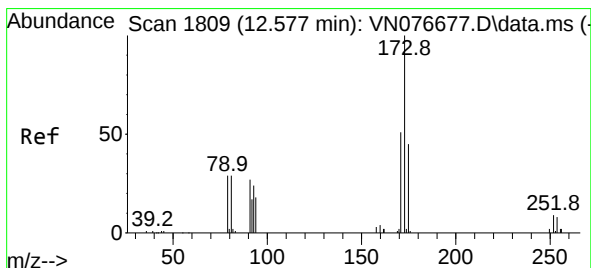
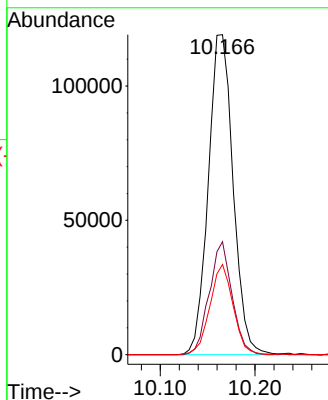
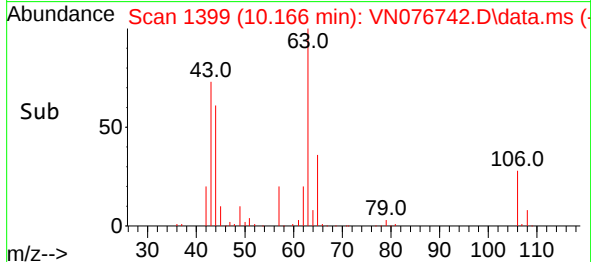
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



Tgt Ion: 63 Resp: 216944
Ion Ratio Lower Upper
63 100
65 32.4 26.3 39.5
106 26.4 21.6 32.4

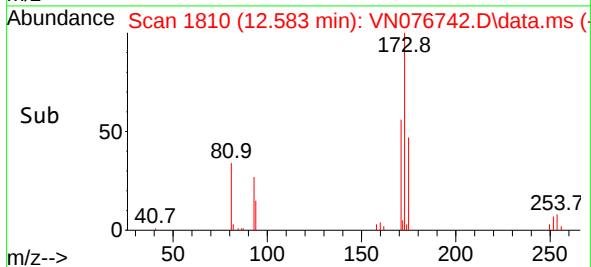
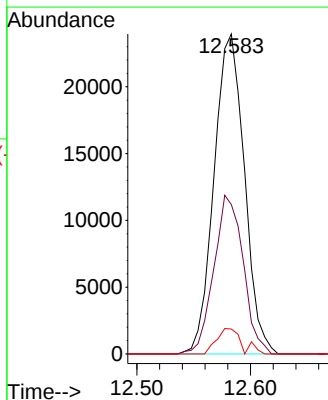
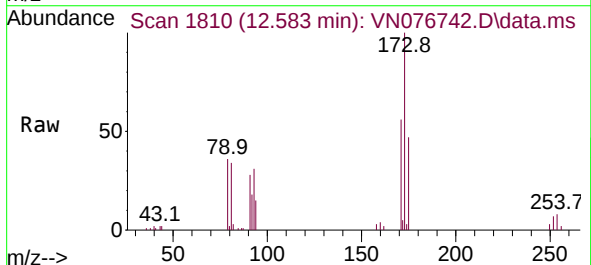
Manual Integrations
APPROVED

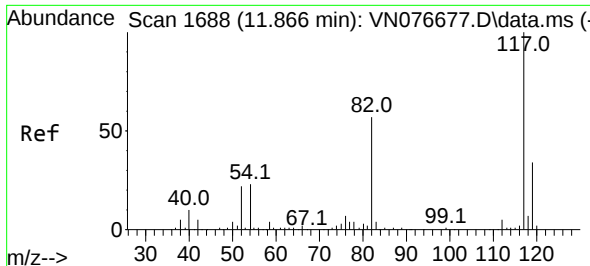
Reviewed By :John Carlone 02/21/2023
Supervised By :Mahesh Dadoda 02/21/2023



#56
Bromoform
Concen: 19.592 ug/l
RT: 12.583 min Scan# 1810
Delta R.T. 0.006 min
Lab File: VN076742.D
Acq: 17 Feb 2023 18:28

Tgt Ion:173 Resp: 44473
Ion Ratio Lower Upper
173 100
175 47.9 37.8 56.6
254 5.6 7.3 10.9#





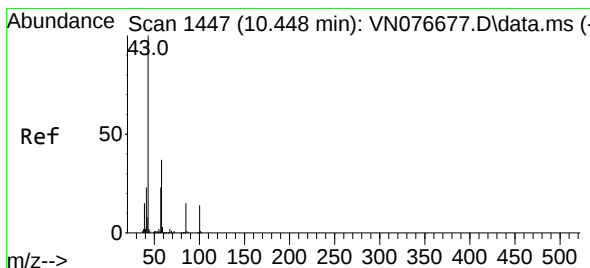
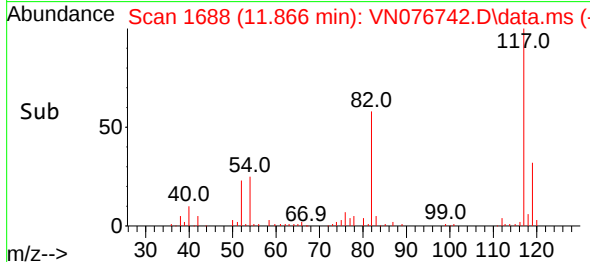
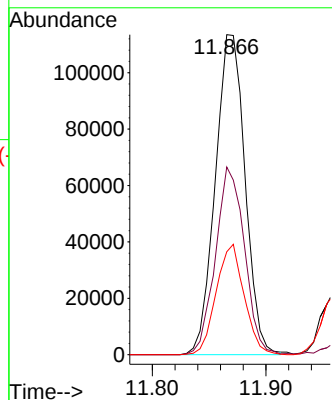
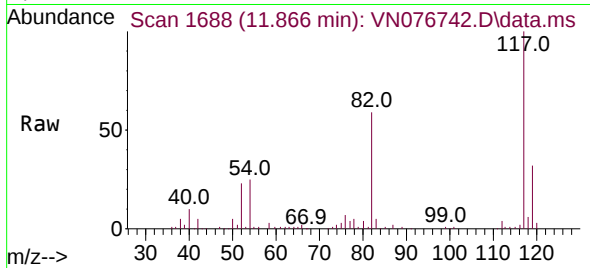
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.866 min Scan# 117
Delta R.T. -0.000 min
Lab File: VN076742.D
Acq: 17 Feb 2023 18:28

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tgt Ion:117 Resp: 20688
Ion Ratio Lower Upper
117 100
82 57.0 45.4 68.0
119 32.4 26.8 40.2

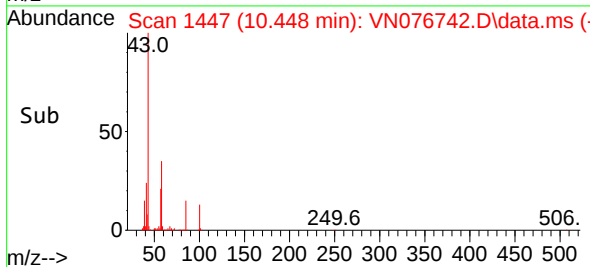
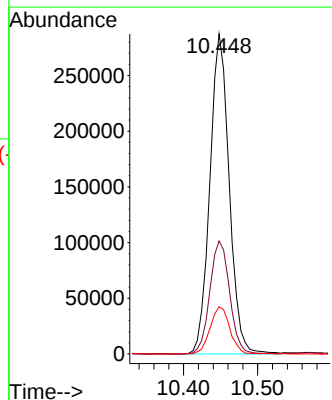
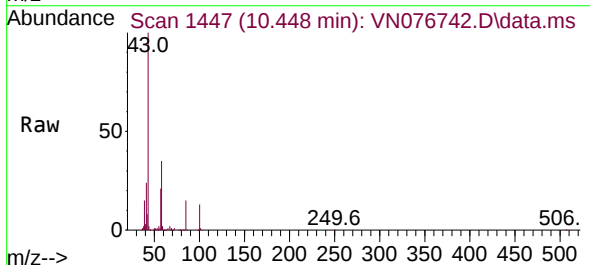
Manual Integrations
APPROVED

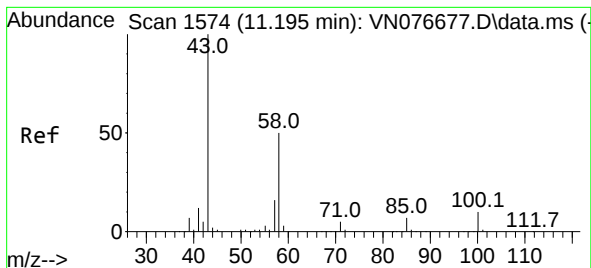
Reviewed By :John Carlone 02/21/2023
Supervised By :Mahesh Dadoda 02/21/2023



#58
4-Methyl-2-Pentanone
Concen: 105.857 ug/l
RT: 10.448 min Scan# 1447
Delta R.T. -0.000 min
Lab File: VN076742.D
Acq: 17 Feb 2023 18:28

Tgt Ion: 43 Resp: 520864
Ion Ratio Lower Upper
43 100
58 36.1 28.6 42.8
85 14.9 11.8 17.8





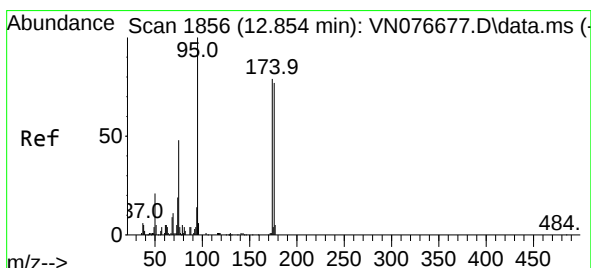
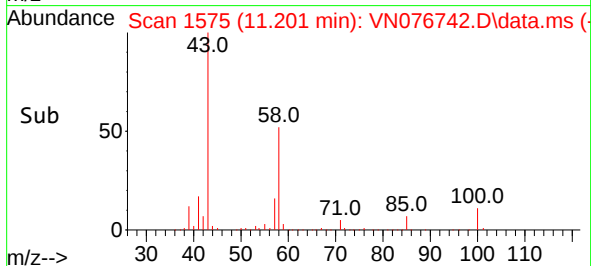
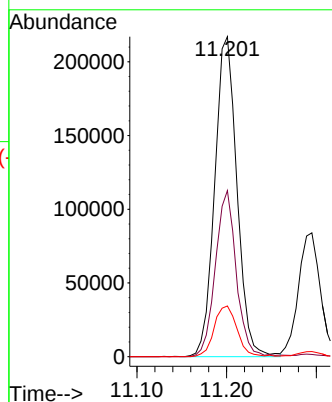
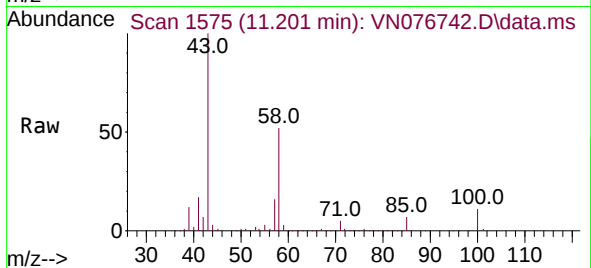
#59
2-Hexanone
Concen: 102.094 ug/l
RT: 11.201 min Scan# 1117
Delta R.T. 0.006 min
Lab File: VN076742.D
Acq: 17 Feb 2023 18:28

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tgt Ion: 43 Resp: 37365
Ion Ratio Lower Upper
43 100
58 48.5 40.6 60.8
57 16.3 13.1 19.7

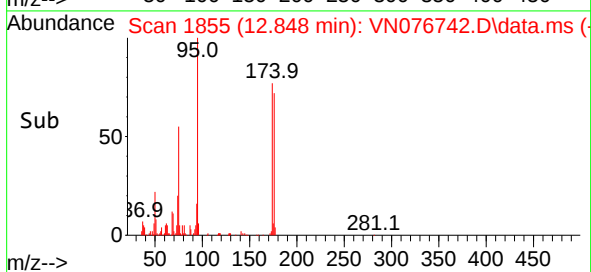
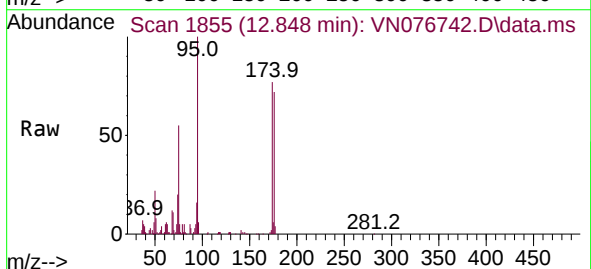
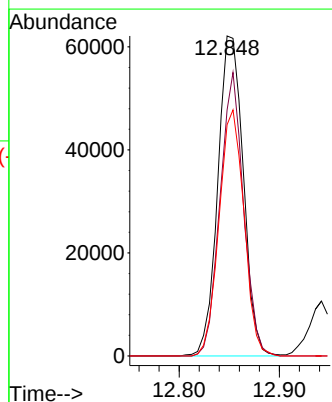
Manual Integrations
APPROVED

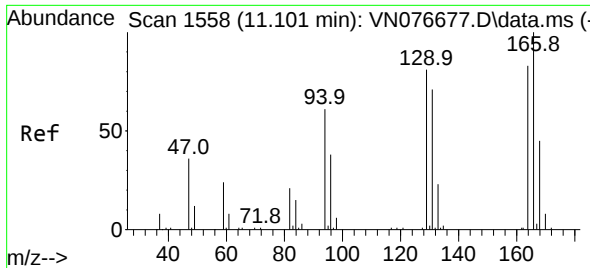
Reviewed By :John Carlone 02/21/2023
Supervised By :Mahesh Dadoda 02/21/2023



#60
4-Bromofluorobenzene
Concen: 29.953 ug/l
RT: 12.848 min Scan# 1855
Delta R.T. -0.006 min
Lab File: VN076742.D
Acq: 17 Feb 2023 18:28

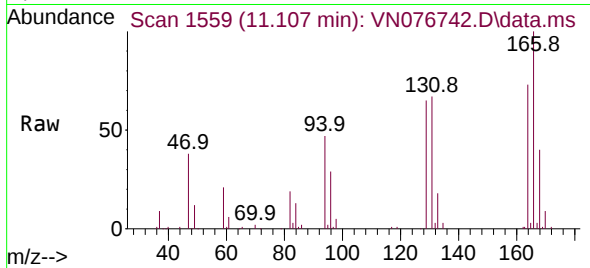
Tgt Ion: 95 Resp: 109608
Ion Ratio Lower Upper
95 100
174 81.5 64.2 96.4
176 75.3 61.4 92.0





#61
Tetrachloroethene
Concen: 18.883 ug/l
RT: 11.107 min Scan# 1559
Delta R.T. 0.006 min
Lab File: VN076742.D
Acq: 17 Feb 2023 18:28

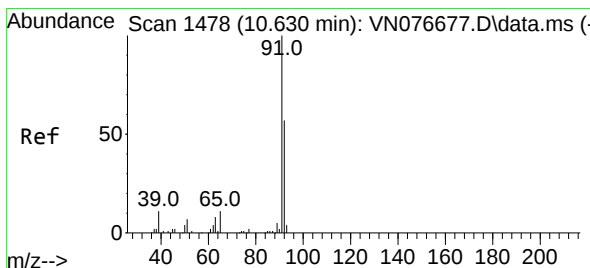
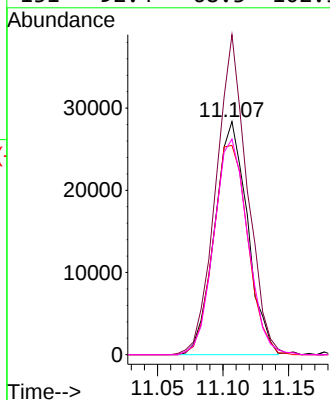
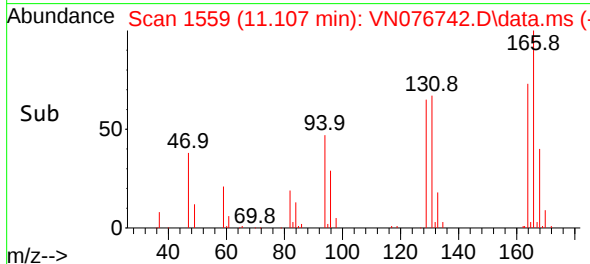
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



Tgt Ion:164 Resp: 4933
Ion Ratio Lower Upper
164 100
166 136.7 96.2 144.2
129 89.8 78.2 117.4
131 92.4 68.3 102.5

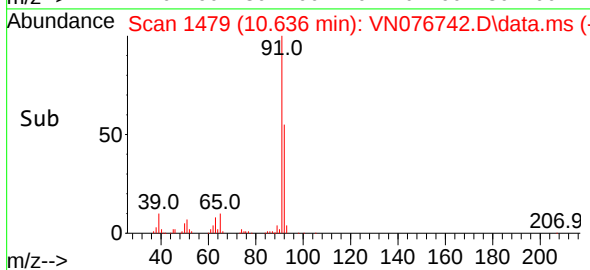
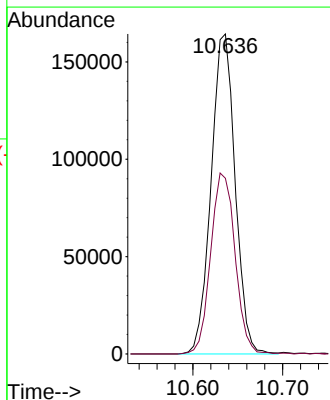
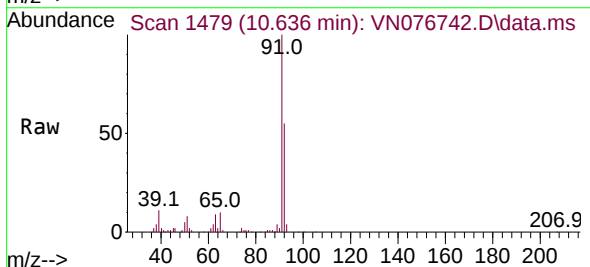
Manual Integrations
APPROVED

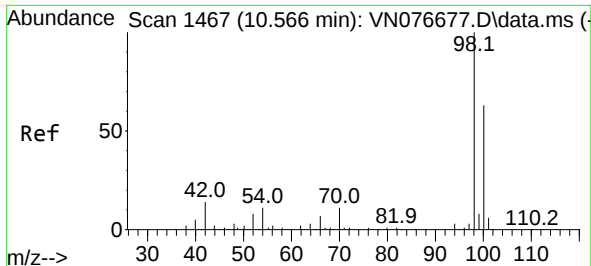
Reviewed By :John Carbone 02/21/2023
Supervised By :Mahesh Dadoda 02/21/2023



#62
Toluene
Concen: 21.158 ug/l
RT: 10.636 min Scan# 1479
Delta R.T. 0.006 min
Lab File: VN076742.D
Acq: 17 Feb 2023 18:28

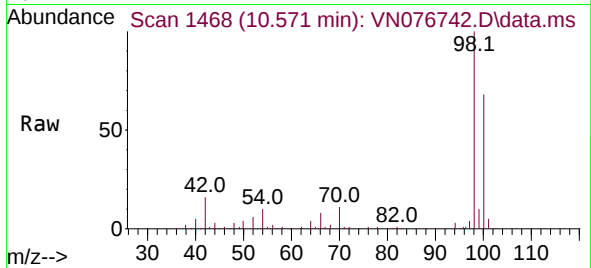
Tgt Ion: 91 Resp: 305900
Ion Ratio Lower Upper
91 100
92 57.2 46.3 69.5





#63
Toluene-d8
Concen: 30.361 ug/l
RT: 10.571 min Scan# 1468
Delta R.T. 0.006 min
Lab File: VN076742.D
Acq: 17 Feb 2023 18:28

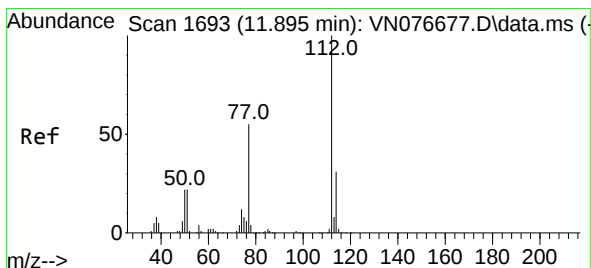
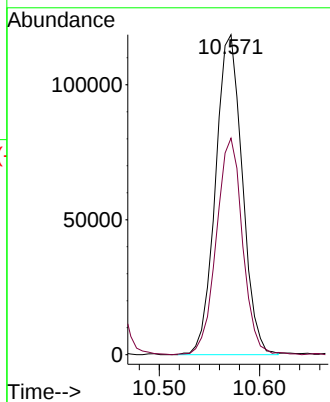
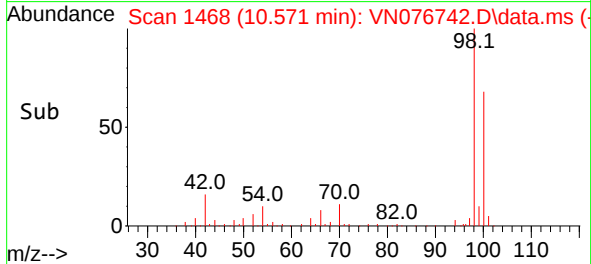
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



Tgt Ion: 98 Resp: 220000
Ion Ratio Lower Upper
98 100
100 65.7 53.8 80.6

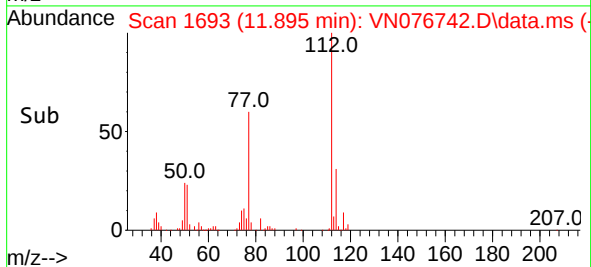
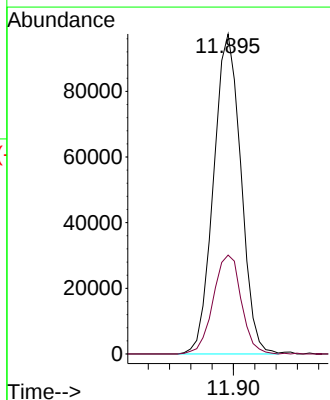
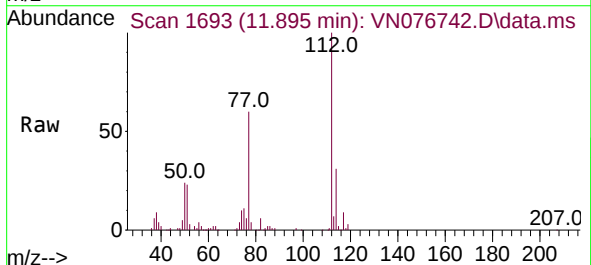
Manual Integrations
APPROVED

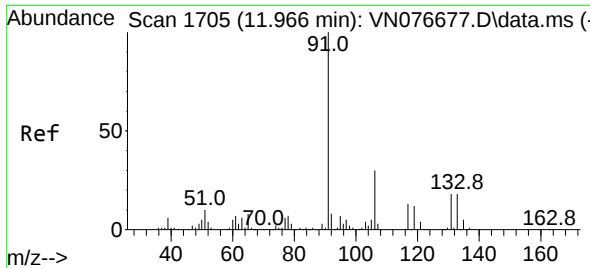
Reviewed By :John Carlone 02/21/2023
Supervised By :Mahesh Dadoda 02/21/2023



#64
Chlorobenzene
Concen: 20.144 ug/l
RT: 11.895 min Scan# 1693
Delta R.T. -0.000 min
Lab File: VN076742.D
Acq: 17 Feb 2023 18:28

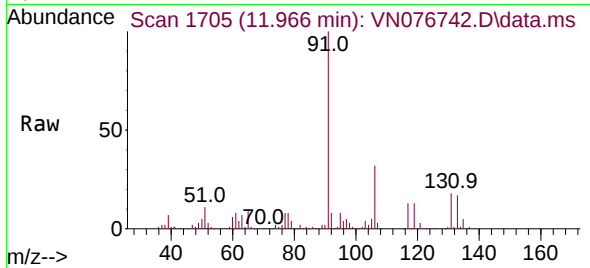
Tgt Ion:112 Resp: 173514
Ion Ratio Lower Upper
112 100
114 30.9 24.5 36.7





#65
1,1,1,2-Tetrachloroethane
Concen: 19.293 ug/l
RT: 11.966 min Scan# 1705
Delta R.T. -0.000 min
Lab File: VN076742.D
Acq: 17 Feb 2023 18:28

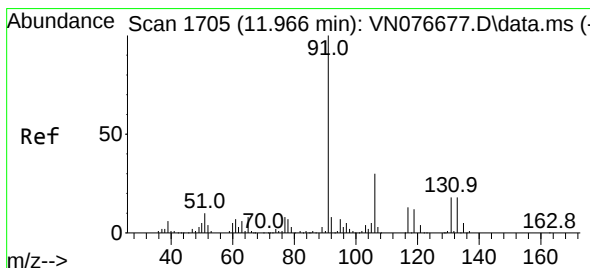
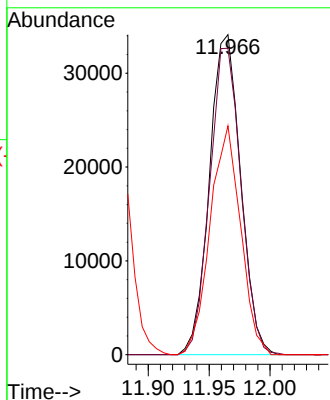
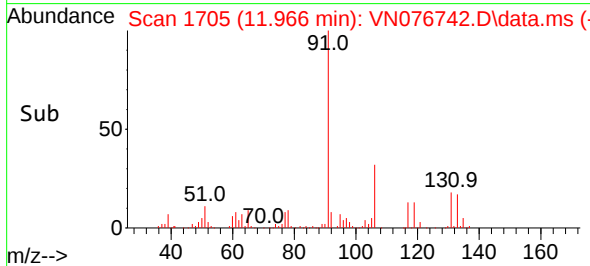
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



Tgt Ion:131 Resp: 60920
Ion Ratio Lower Upper
131 100
133 95.7 0.0 197.6
119 69.7 0.0 127.8

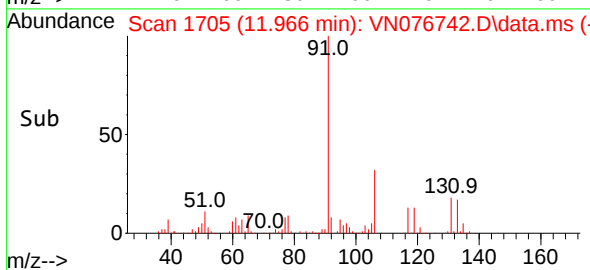
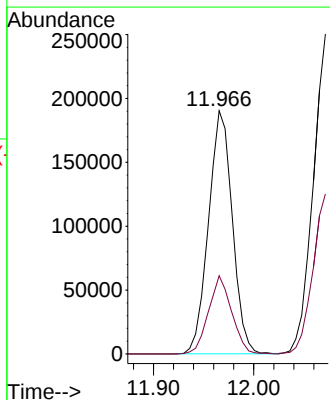
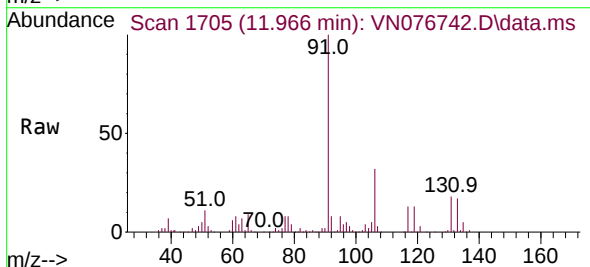
Manual Integrations
APPROVED

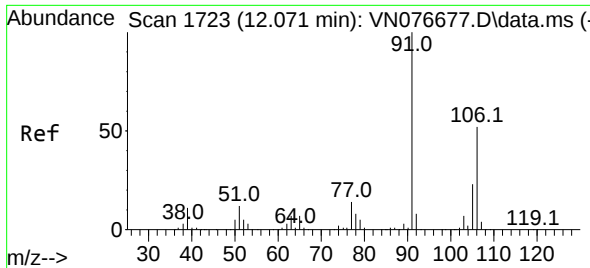
Reviewed By :John Carlone 02/21/2023
Supervised By :Mahesh Dadoda 02/21/2023



#66
Ethyl Benzene
Concen: 20.435 ug/l
RT: 11.966 min Scan# 1705
Delta R.T. -0.000 min
Lab File: VN076742.D
Acq: 17 Feb 2023 18:28

Tgt Ion: 91 Resp: 314088
Ion Ratio Lower Upper
91 100
106 32.2 23.8 35.8





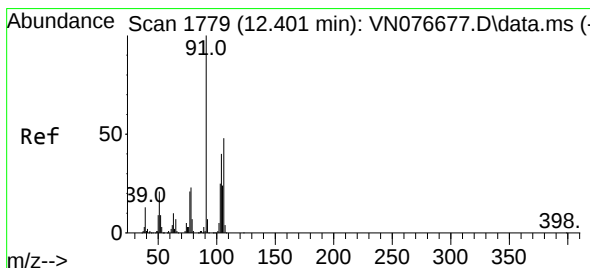
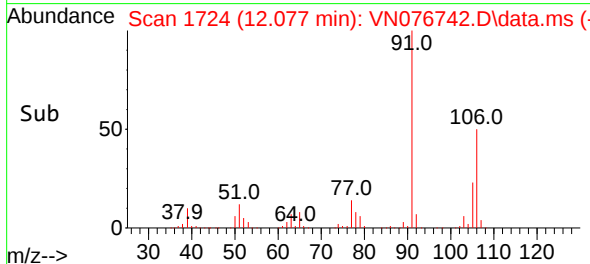
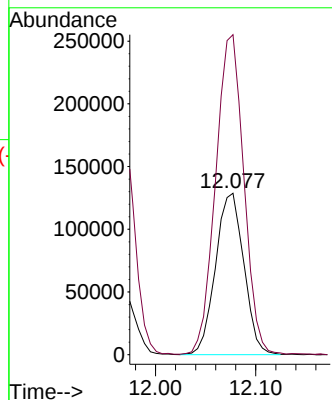
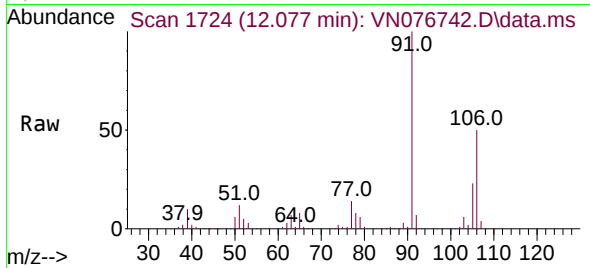
#67
m/p-Xylenes
Concen: 42.041 ug/l
RT: 12.077 min Scan# 1723
Delta R.T. 0.006 min
Lab File: VN076742.D
Acq: 17 Feb 2023 18:28

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tgt Ion:106 Resp: 252690
Ion Ratio Lower Upper
106 100
91 197.3 157.4 236.2

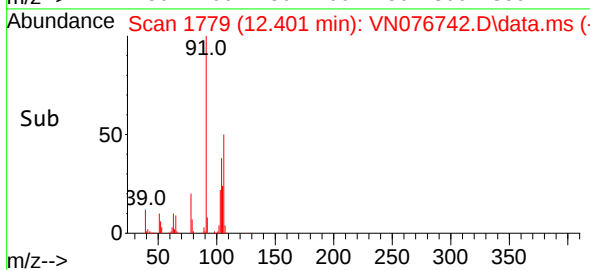
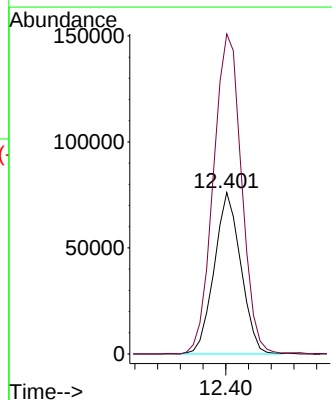
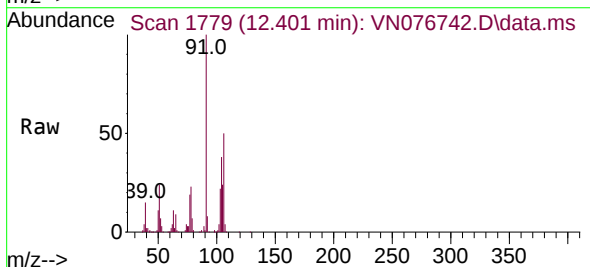
Manual Integrations
APPROVED

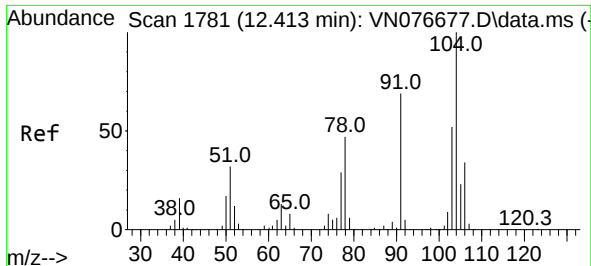
Reviewed By :John Carlone 02/21/2023
Supervised By :Mahesh Dadoda 02/21/2023



#68
o-Xylene
Concen: 20.876 ug/l
RT: 12.401 min Scan# 1779
Delta R.T. -0.000 min
Lab File: VN076742.D
Acq: 17 Feb 2023 18:28

Tgt Ion:106 Resp: 123651
Ion Ratio Lower Upper
106 100
91 210.3 107.2 321.6





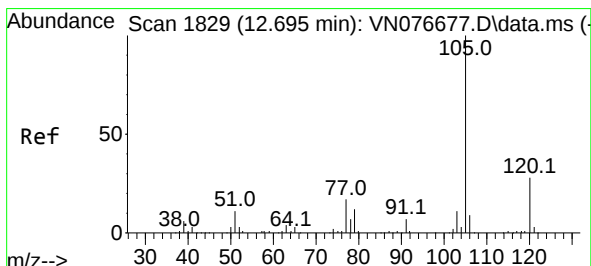
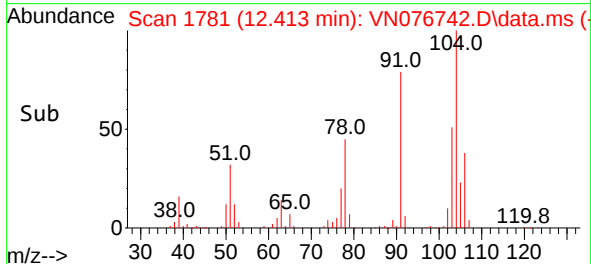
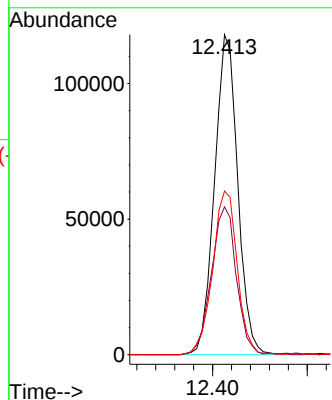
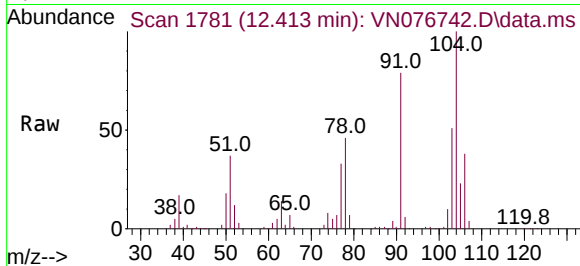
#69
Styrene
Concen: 21.075 ug/l
RT: 12.413 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN076742.D
Acq: 17 Feb 2023 18:28

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tgt Ion:104 Resp: 200400
Ion Ratio Lower Upper
104 100
78 49.7 39.6 59.4
103 54.1 43.9 65.9

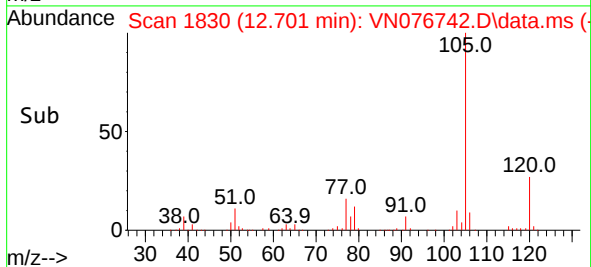
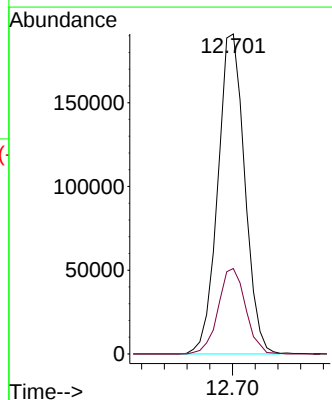
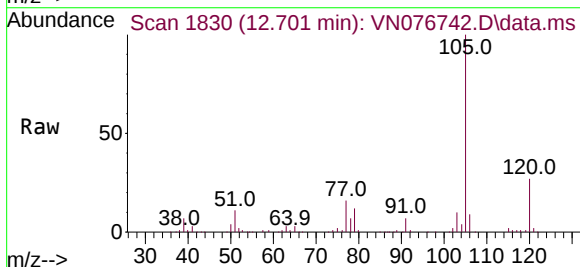
Manual Integrations
APPROVED

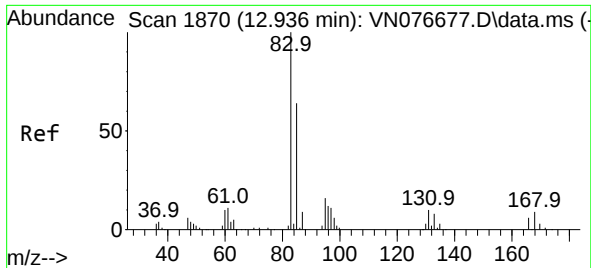
Reviewed By :John Carlone 02/21/2023
Supervised By :Mahesh Dadoda 02/21/2023



#70
Isopropylbenzene
Concen: 20.789 ug/l
RT: 12.701 min Scan# 1830
Delta R.T. 0.006 min
Lab File: VN076742.D
Acq: 17 Feb 2023 18:28

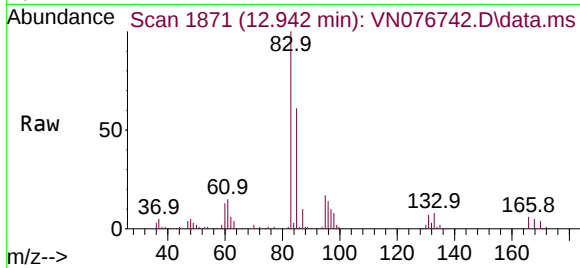
Tgt Ion:105 Resp: 314138
Ion Ratio Lower Upper
105 100
120 27.1 19.0 35.2





#71
1,1,2,2-Tetrachloroethane
Concen: 21.074 ug/l
RT: 12.942 min Scan# 1871
Delta R.T. 0.006 min
Lab File: VN076742.D
Acq: 17 Feb 2023 18:28

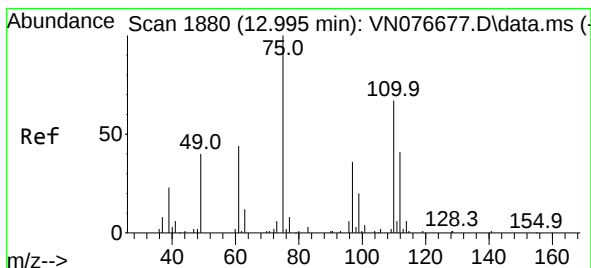
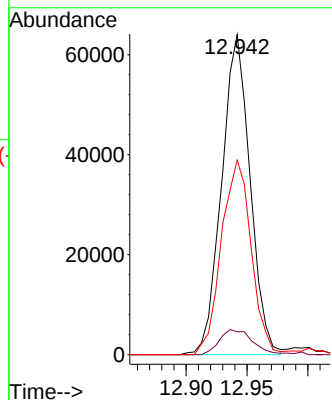
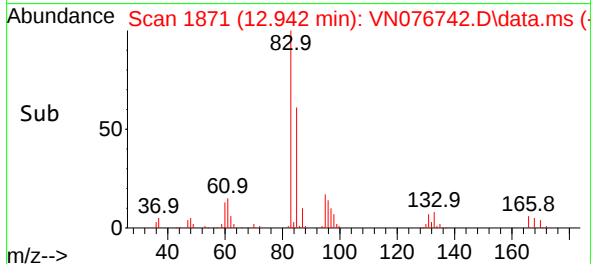
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



Tgt Ion: 83 Resp: 10418
Ion Ratio Lower Upper
83 100
131 9.3 5.0 14.9
85 63.6 32.3 96.9

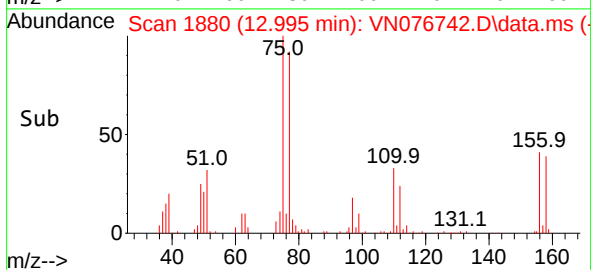
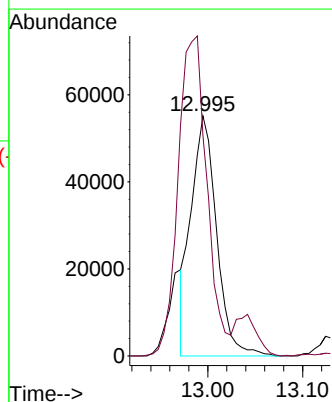
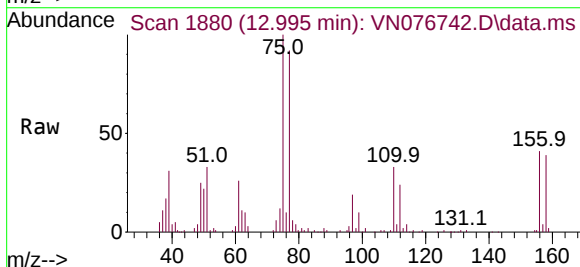
Manual Integrations
APPROVED

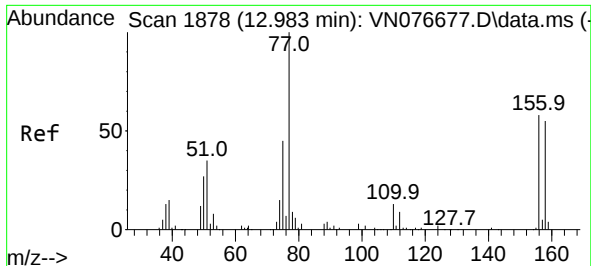
Reviewed By :John Carlone 02/21/2023
Supervised By :Mahesh Dadoda 02/21/2023



#72
1,2,3-Trichloropropane
Concen: 23.645 ug/l m
RT: 12.995 min Scan# 1880
Delta R.T. -0.000 min
Lab File: VN076742.D
Acq: 17 Feb 2023 18:28

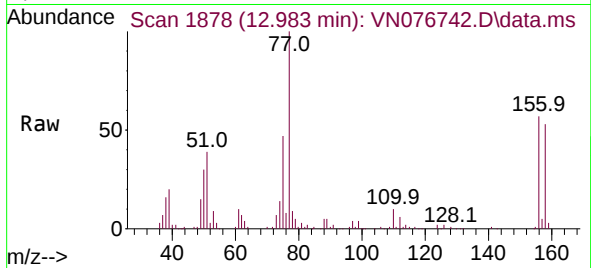
Tgt Ion: 75 Resp: 102975
Ion Ratio Lower Upper
75 100
77 150.7 0.0 332.6





#73
Bromobenzene
Concen: 19.873 ug/l
RT: 12.983 min Scan# 1878
Delta R.T. -0.000 min
Lab File: VN076742.D
Acq: 17 Feb 2023 18:28

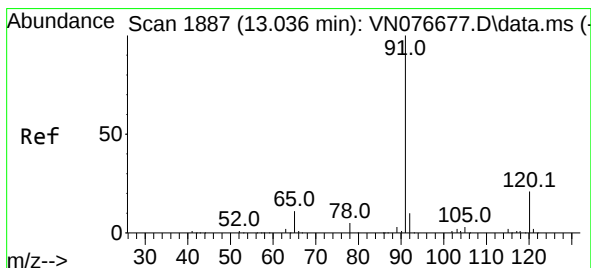
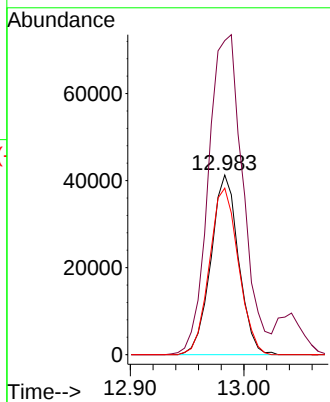
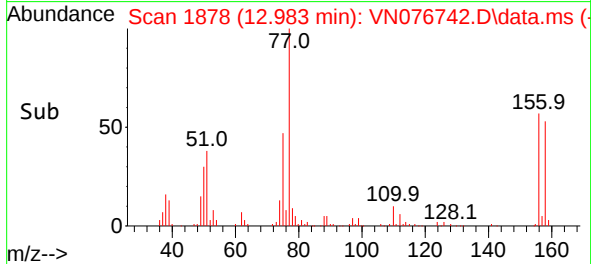
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



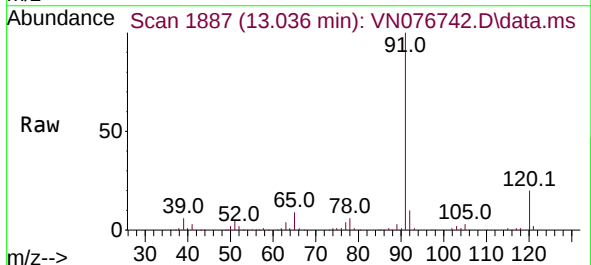
Tgt Ion:156 Resp: 69683
Ion Ratio Lower Upper
156 100
77 222.7 0.0 423.0
158 97.4 0.0 188.6

Manual Integrations
APPROVED

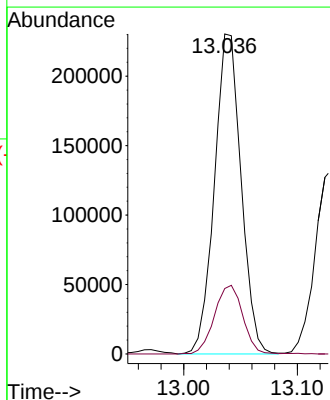
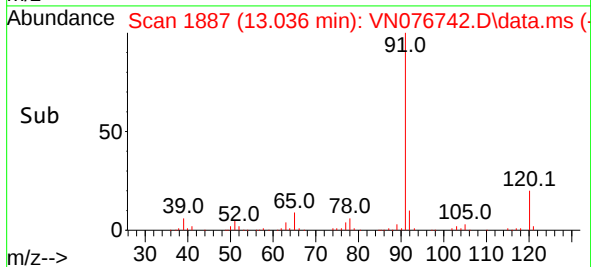
Reviewed By :John Carlone 02/21/2023
Supervised By :Mahesh Dadoda 02/21/2023

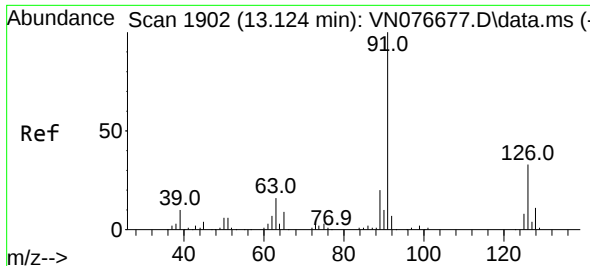


#74
n-propylbenzene
Concen: 20.896 ug/l
RT: 13.036 min Scan# 1887
Delta R.T. -0.000 min
Lab File: VN076742.D
Acq: 17 Feb 2023 18:28



Tgt Ion: 91 Resp: 376079
Ion Ratio Lower Upper
91 100
120 22.7 0.0 44.0





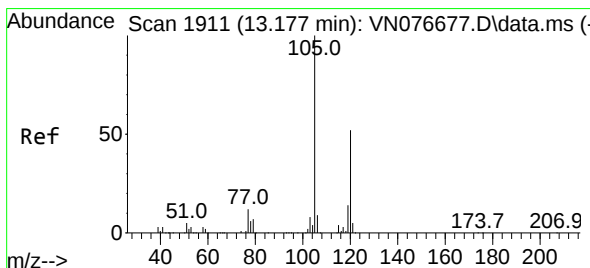
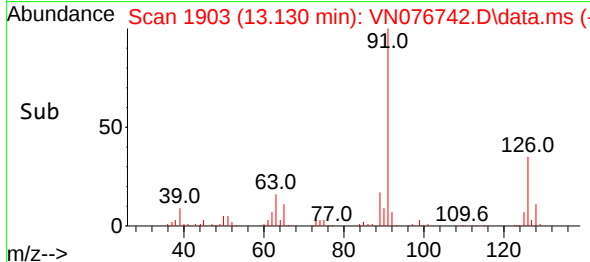
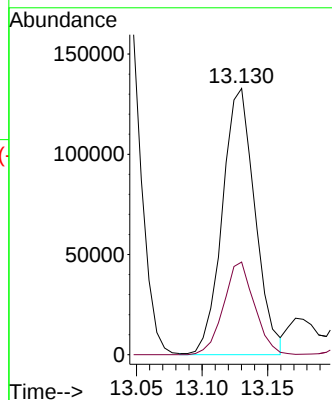
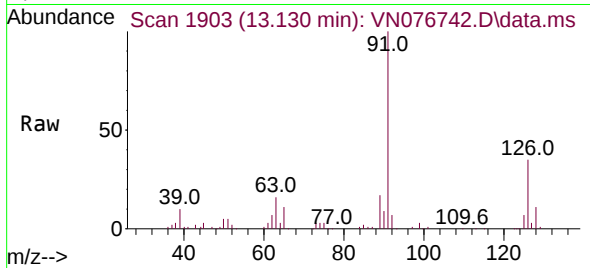
#75
2-Chlorotoluene
Concen: 21.496 ug/l
RT: 13.130 min Scan# 1903
Delta R.T. 0.006 min
Lab File: VN076742.D
Acq: 17 Feb 2023 18:28

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tgt Ion: 91 Resp: 230204
Ion Ratio Lower Upper
91 100
126 32.9 0.0 66.4

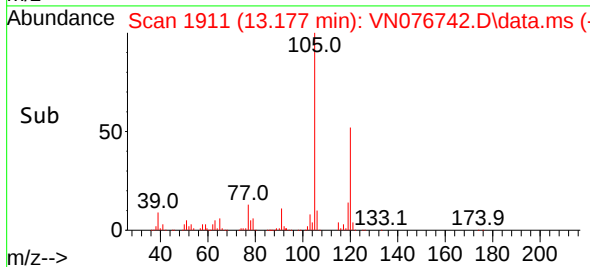
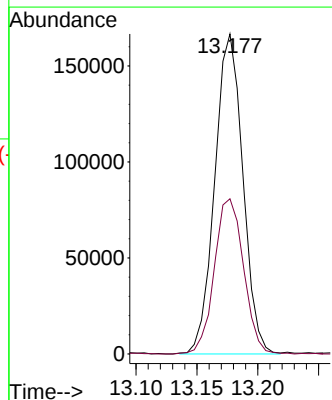
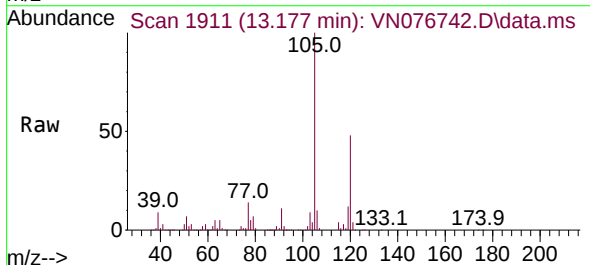
Manual Integrations
APPROVED

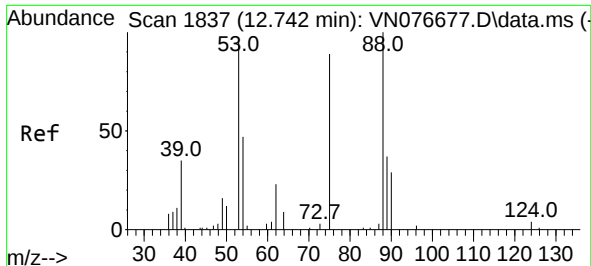
Reviewed By :John Carlone 02/21/2023
Supervised By :Mahesh Dadoda 02/21/2023



#76
1,3,5-Trimethylbenzene
Concen: 21.216 ug/l
RT: 13.177 min Scan# 1911
Delta R.T. -0.000 min
Lab File: VN076742.D
Acq: 17 Feb 2023 18:28

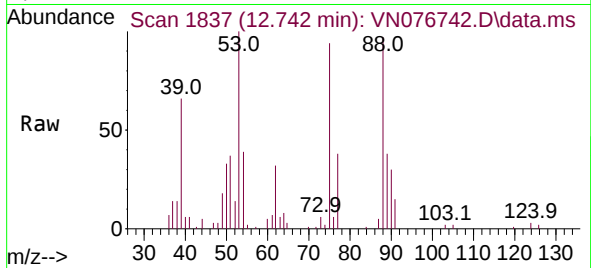
Tgt Ion:105 Resp: 267373
Ion Ratio Lower Upper
105 100
120 50.5 0.0 103.2





#77
t-1,4-Dichloro-2-butene
Concen: 18.453 ug/l
RT: 12.742 min Scan# 1837
Delta R.T. -0.000 min
Lab File: VN076742.D
Acq: 17 Feb 2023 18:28

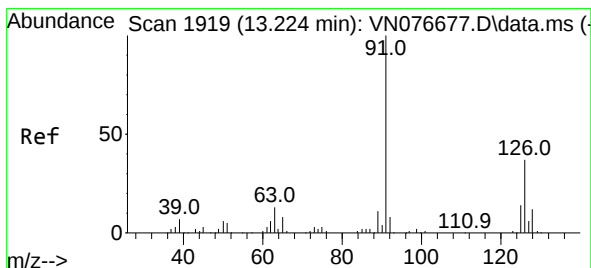
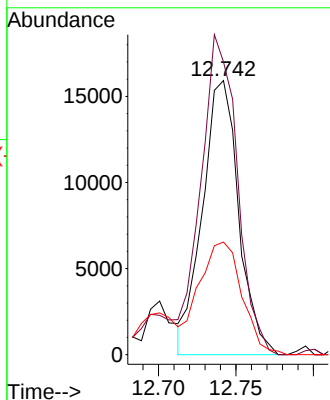
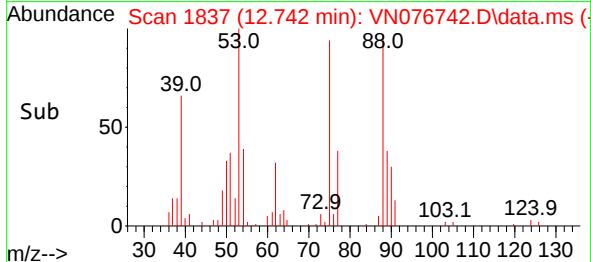
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



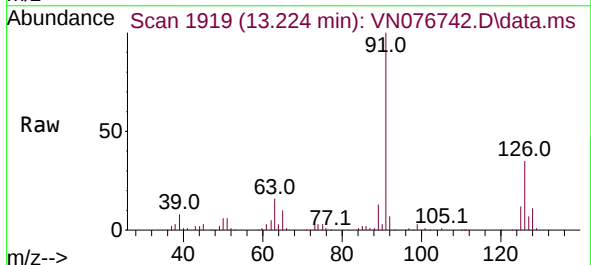
Tgt Ion: 75 Resp: 25820
Ion Ratio Lower Upper
75 100
53 106.8 50.4 151.3
89 39.8 22.1 66.5

Manual Integrations
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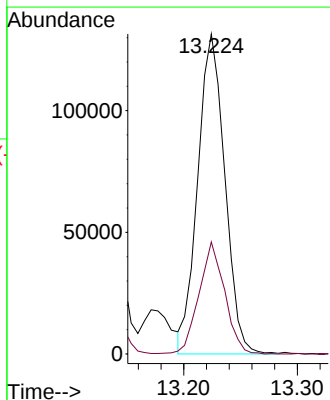
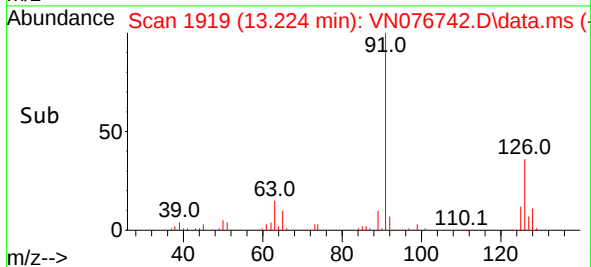
Reviewed By :John Carlone 02/21/2023
Supervised By :Mahesh Dadoda 02/21/2023

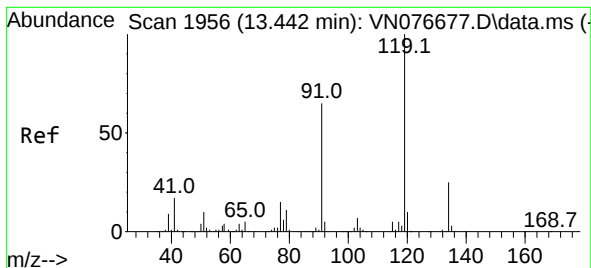


#78
4-Chlorotoluene
Concen: 21.234 ug/l
RT: 13.224 min Scan# 1919
Delta R.T. -0.000 min
Lab File: VN076742.D
Acq: 17 Feb 2023 18:28



Tgt Ion: 91 Resp: 218001
Ion Ratio Lower Upper
91 100
126 33.2 0.0 70.6





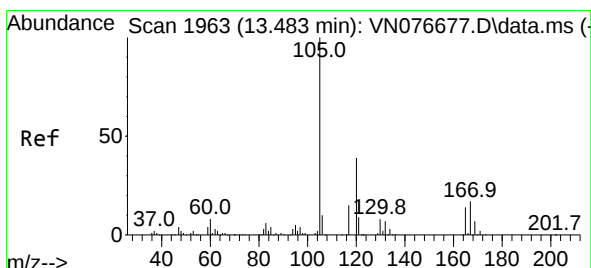
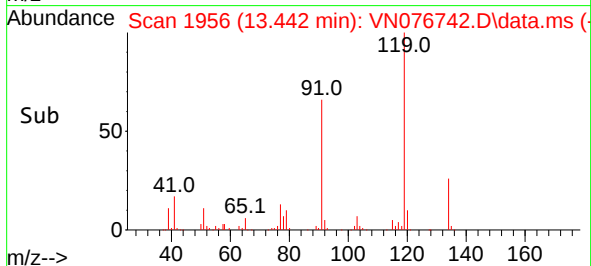
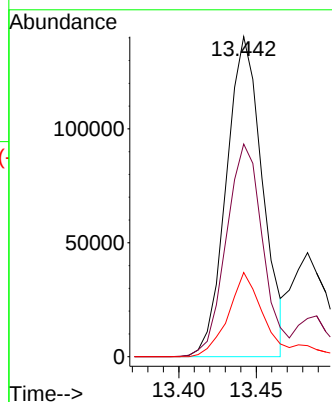
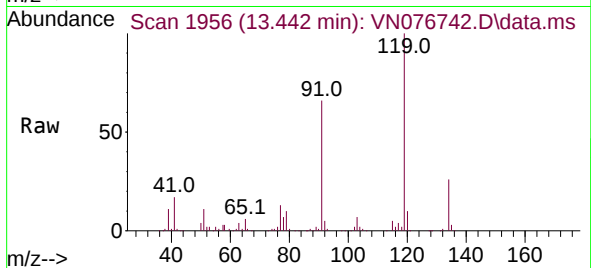
#79
tert-butylbenzene
Concen: 20.453 ug/l
RT: 13.442 min Scan# 1956
Delta R.T. -0.000 min
Lab File: VN076742.D
Acq: 17 Feb 2023 18:28

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tgt Ion:119 Resp: 22822
Ion Ratio Lower Upper
119 100
91 67.6 0.0 129.6
134 24.9 0.0 47.8

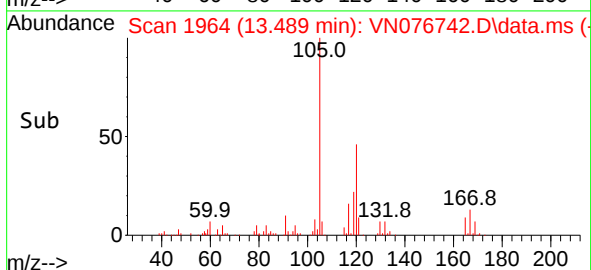
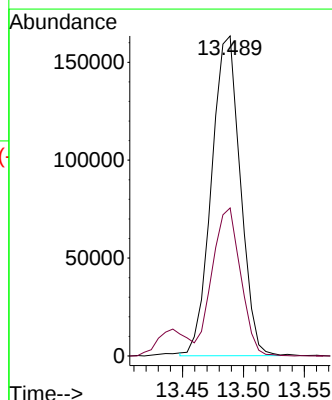
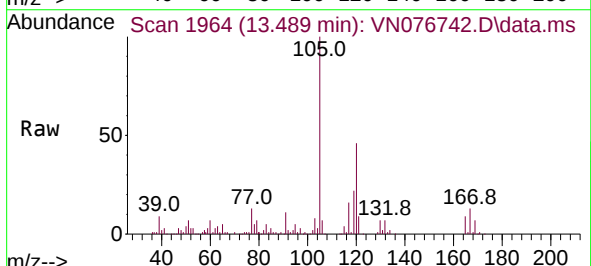
Manual Integrations
APPROVED

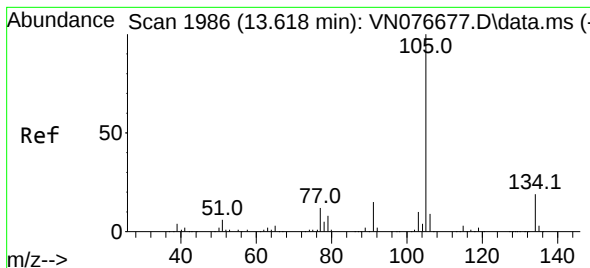
Reviewed By :John Carlone 02/21/2023
Supervised By :Mahesh Dadoda 02/21/2023



#80
1,2,4-Trimethylbenzene
Concen: 21.476 ug/l
RT: 13.489 min Scan# 1964
Delta R.T. 0.006 min
Lab File: VN076742.D
Acq: 17 Feb 2023 18:28

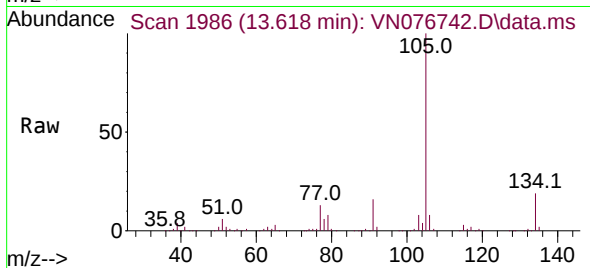
Tgt Ion:105 Resp: 268751
Ion Ratio Lower Upper
105 100
120 45.7 0.0 93.2





#81
 sec-Butylbenzene
 Concen: 20.972 ug/l
 RT: 13.618 min Scan# 1986
 Delta R.T. -0.000 min
 Lab File: VN076742.D
 Acq: 17 Feb 2023 18:28

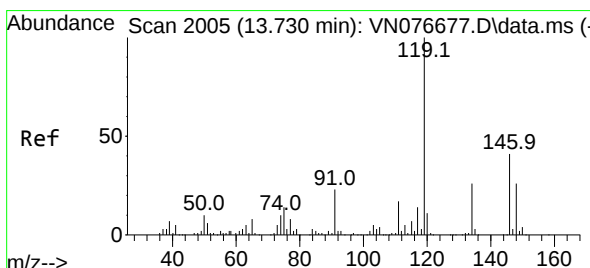
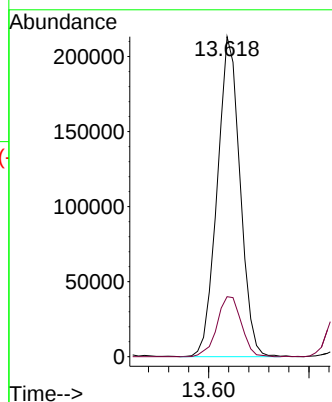
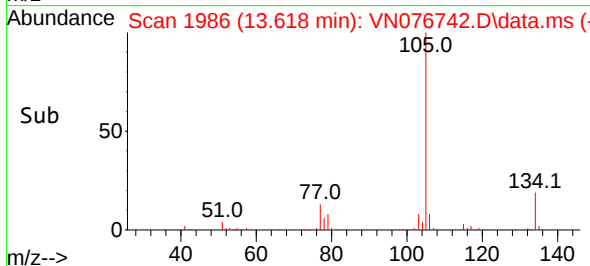
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC



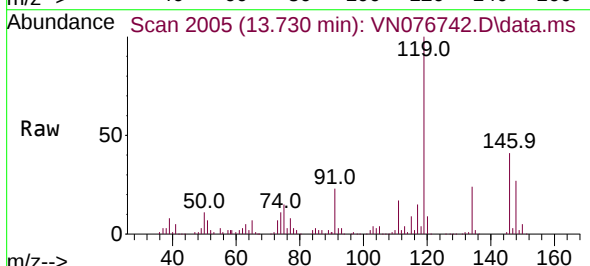
Tgt Ion:105 Resp: 336059
 Ion Ratio Lower Upper
 105 100
 134 20.0 0.0 39.4

Manual Integrations
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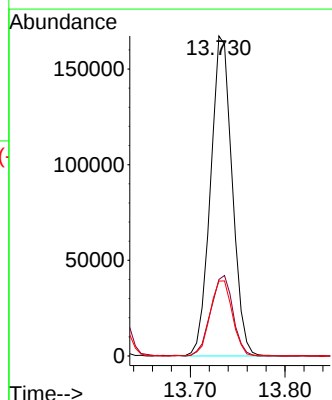
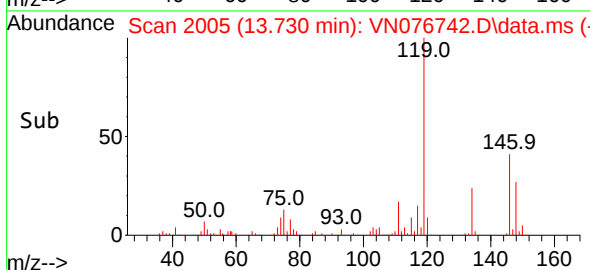
Reviewed By :John Carlone 02/21/2023
 Supervised By :Mahesh Dadoda 02/21/2023

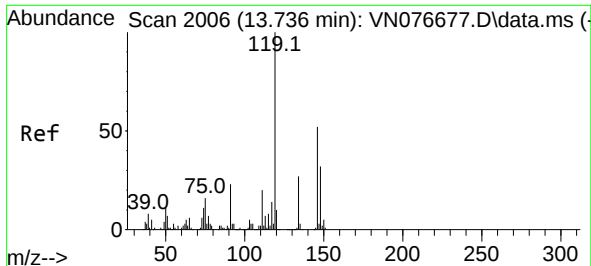


#82
 p-Isopropyltoluene
 Concen: 20.470 ug/l
 RT: 13.730 min Scan# 2005
 Delta R.T. -0.000 min
 Lab File: VN076742.D
 Acq: 17 Feb 2023 18:28



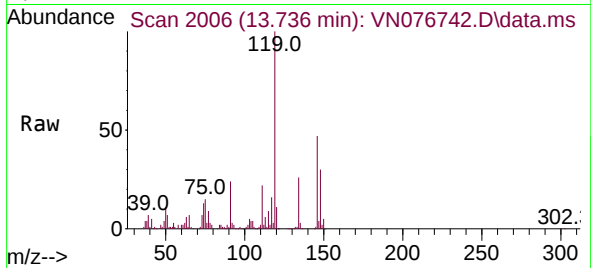
Tgt Ion:119 Resp: 265936
 Ion Ratio Lower Upper
 119 100
 134 25.8 0.0 53.4
 91 24.3 0.0 47.2





#83
1,3-Dichlorobenzene
Concen: 20.007 ug/l
RT: 13.736 min Scan# 2006
Delta R.T. -0.000 min
Lab File: VN076742.D
Acq: 17 Feb 2023 18:28

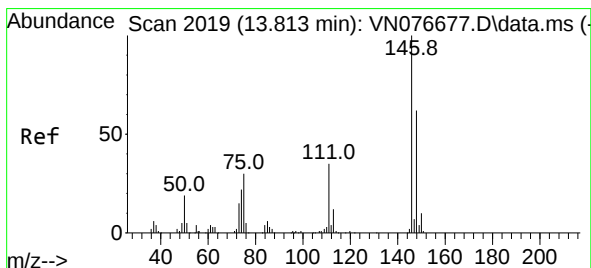
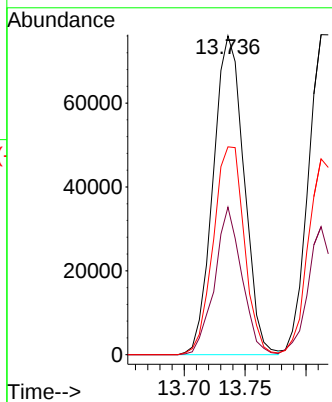
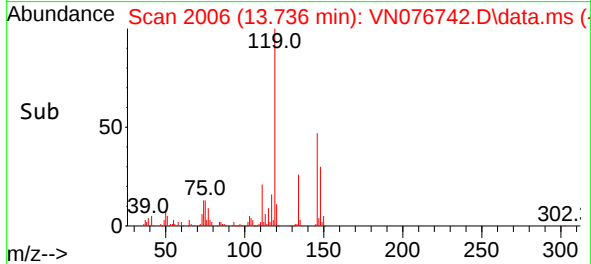
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



Tgt Ion:146 Resp: 134042
Ion Ratio Lower Upper
146 100
111 40.8 20.3 60.8
148 65.6 31.9 95.5

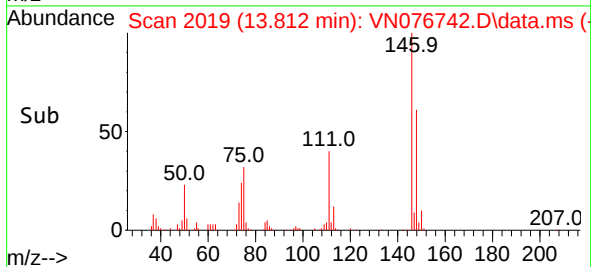
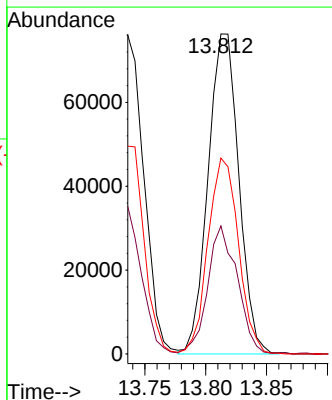
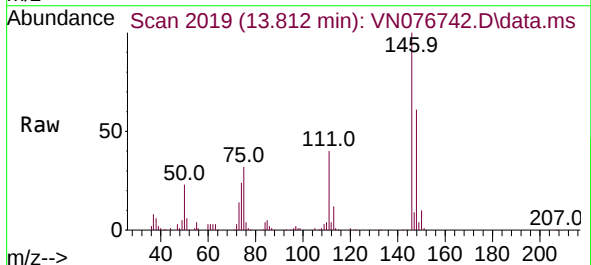
Manual Integrations
APPROVED

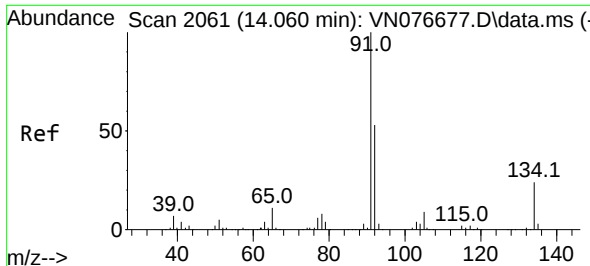
Reviewed By :John Carlone 02/21/2023
Supervised By :Mahesh Dadoda 02/21/2023



#84
1,4-Dichlorobenzene
Concen: 20.568 ug/l
RT: 13.812 min Scan# 2019
Delta R.T. -0.000 min
Lab File: VN076742.D
Acq: 17 Feb 2023 18:28

Tgt Ion:146 Resp: 134409
Ion Ratio Lower Upper
146 100
111 38.5 18.2 54.6
148 60.7 31.1 93.2





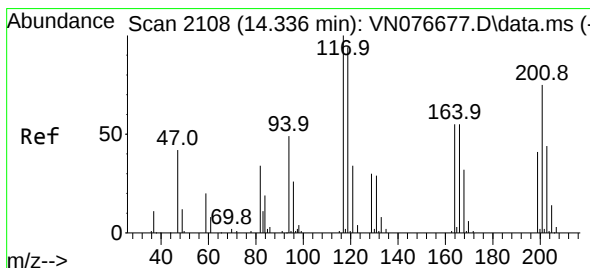
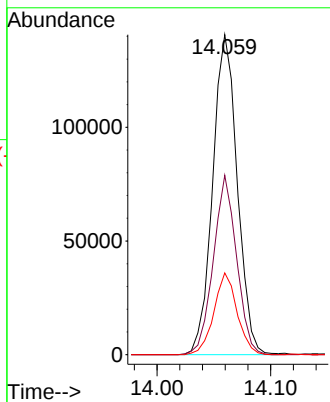
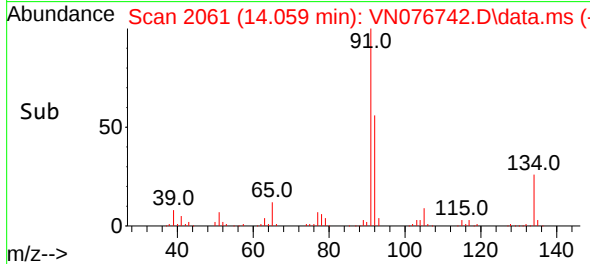
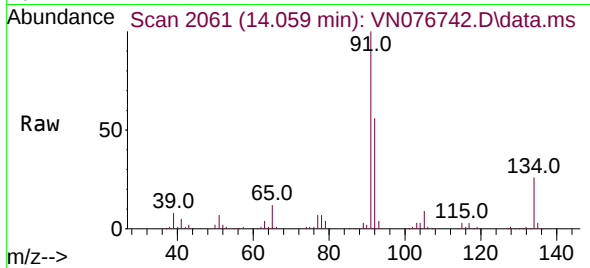
#85
n-Butylbenzene
Concen: 19.265 ug/l
RT: 14.059 min Scan# 2061
Delta R.T. -0.000 min
Lab File: VN076742.D
Acq: 17 Feb 2023 18:28

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tgt Ion: 91 Resp: 212120
Ion Ratio Lower Upper
91 100
92 52.9 0.0 103.2
134 24.1 0.0 50.0

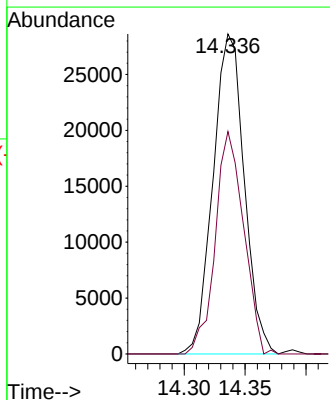
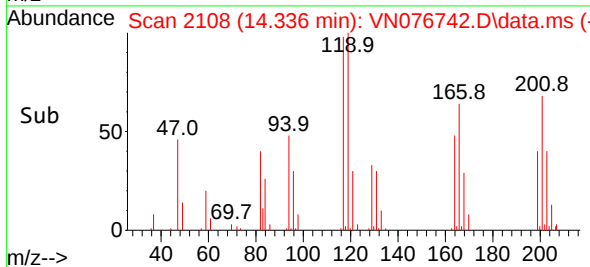
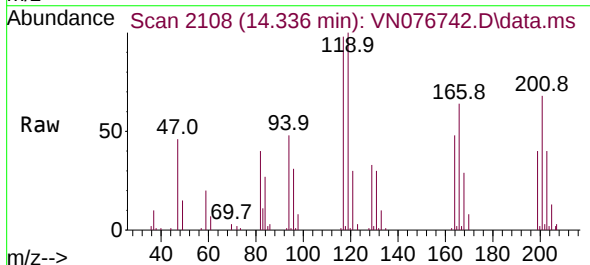
Manual Integrations
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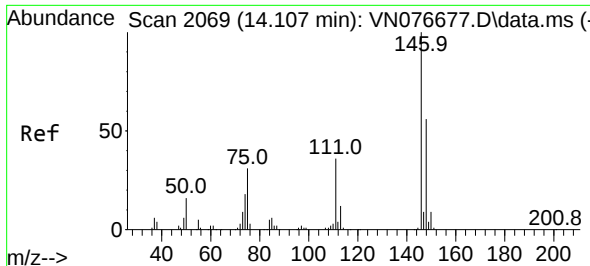
Reviewed By :John Carlone 02/21/2023
Supervised By :Mahesh Dadoda 02/21/2023



#86
Hexachloroethane
Concen: 20.290 ug/l
RT: 14.336 min Scan# 2108
Delta R.T. -0.000 min
Lab File: VN076742.D
Acq: 17 Feb 2023 18:28

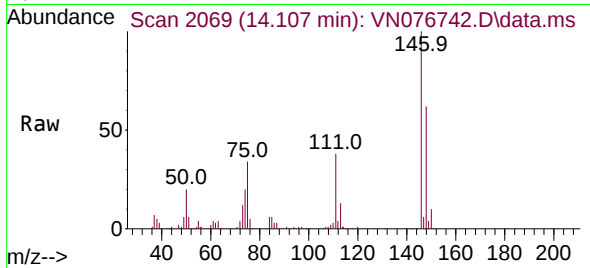
Tgt Ion:117 Resp: 51027
Ion Ratio Lower Upper
117 100
201 62.9 32.2 96.6





#87
1,2-Dichlorobenzene
Concen: 20.910 ug/l
RT: 14.107 min Scan# 2069
Delta R.T. -0.000 min
Lab File: VN076742.D
Acq: 17 Feb 2023 18:28

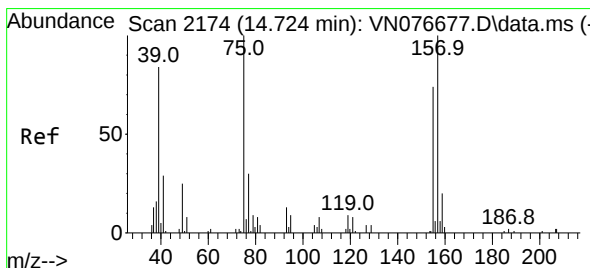
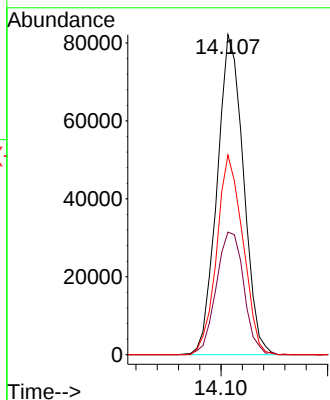
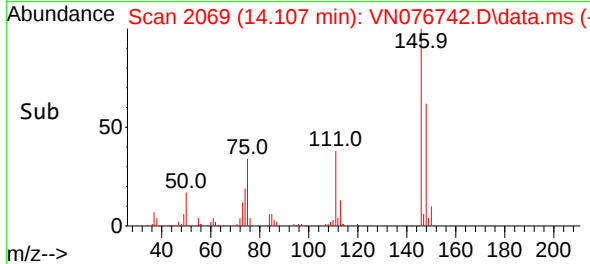
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



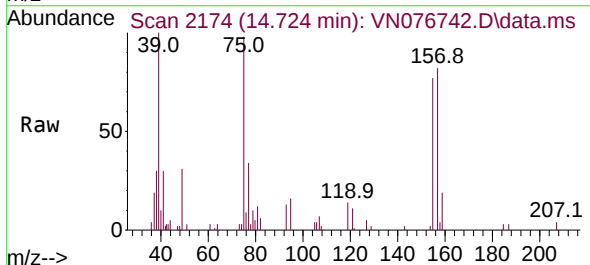
Tgt Ion:146 Resp: 140860
Ion Ratio Lower Upper
146 100
111 40.3 20.5 61.6
148 62.1 32.5 97.5

Manual Integrations
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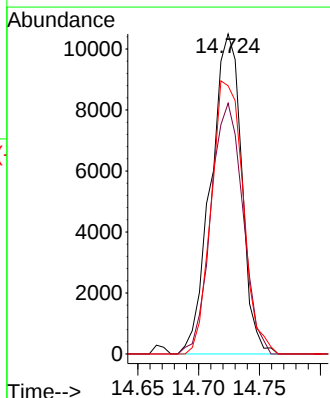
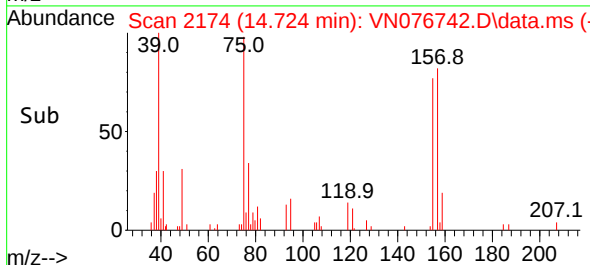
Reviewed By :John Carlone 02/21/2023
Supervised By :Mahesh Dadoda 02/21/2023

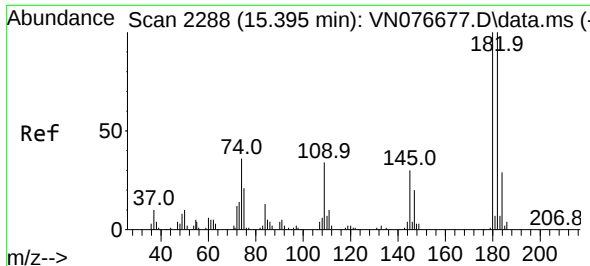


#88
1,2-Dibromo-3-Chloropropane
Concen: 20.142 ug/l
RT: 14.724 min Scan# 2174
Delta R.T. -0.000 min
Lab File: VN076742.D
Acq: 17 Feb 2023 18:28



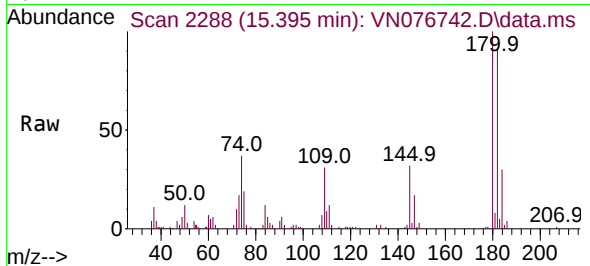
Tgt Ion: 75 Resp: 18459
Ion Ratio Lower Upper
75 100
155 81.2 62.5 93.7
157 87.8 77.5 116.3





#89
1,2,4-Trichlorobenzene
Concen: 18.849 ug/l
RT: 15.395 min Scan# 21
Delta R.T. -0.000 min
Lab File: VN076742.D
Acq: 17 Feb 2023 18:28

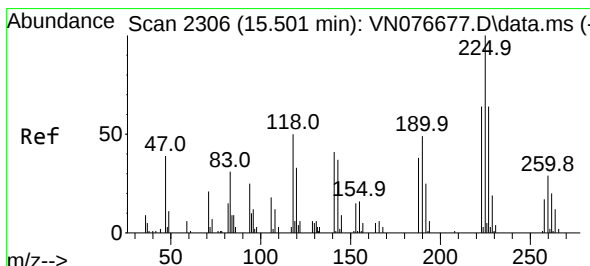
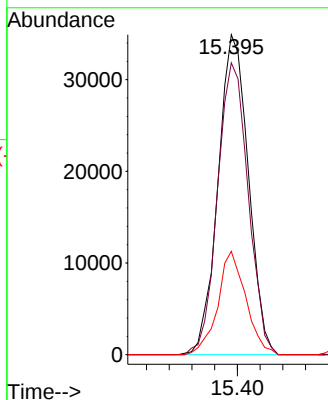
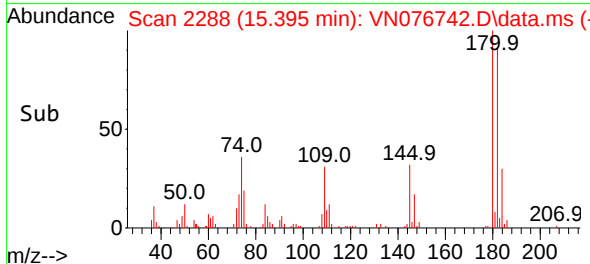
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



Tgt Ion:180 Resp: 6477
Ion Ratio Lower Upper
180 100
182 91.9 76.6 115.0
145 30.0 24.6 36.8

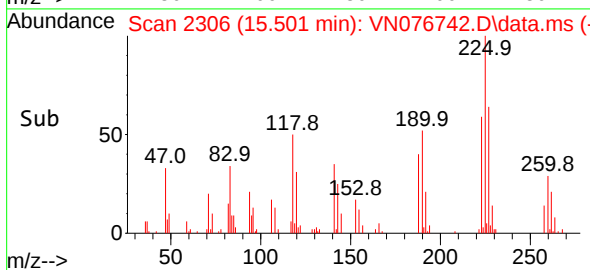
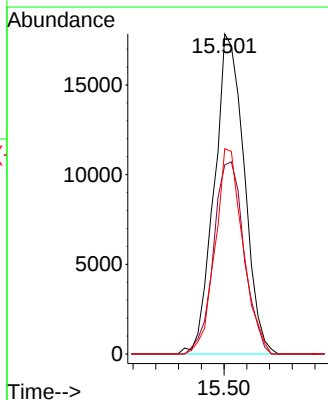
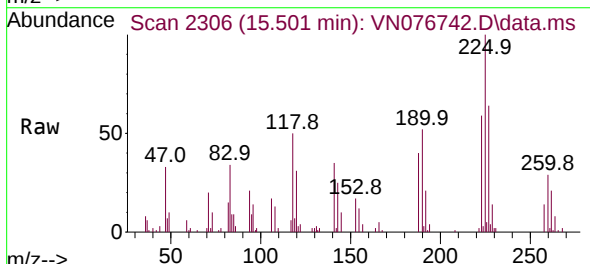
Manual Integrations
APPROVED

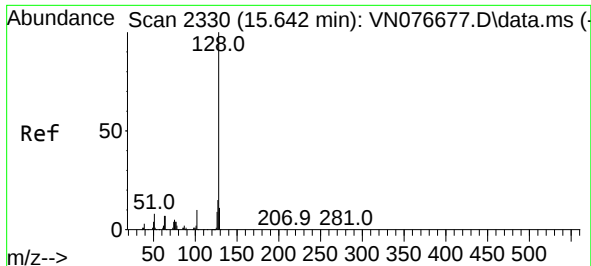
Reviewed By :John Carlone 02/21/2023
Supervised By :Mahesh Dadoda 02/21/2023



#90
Hexachlorobutadiene
Concen: 19.672 ug/l
RT: 15.501 min Scan# 2306
Delta R.T. -0.000 min
Lab File: VN076742.D
Acq: 17 Feb 2023 18:28

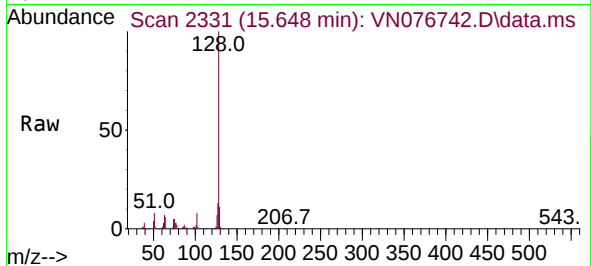
Tgt Ion:225 Resp: 32570
Ion Ratio Lower Upper
225 100
223 61.4 0.0 135.4
227 59.9 0.0 129.4





#91
Naphthalene
Concen: 18.893 ug/l
RT: 15.648 min Scan# 21
Delta R.T. 0.006 min
Lab File: VN076742.D
Acq: 17 Feb 2023 18:28

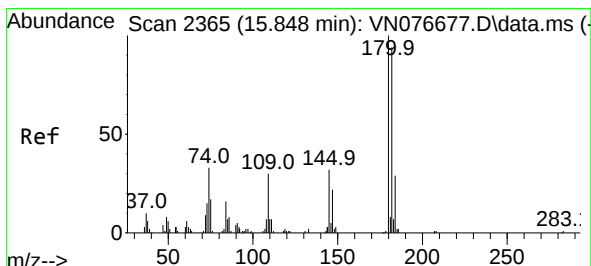
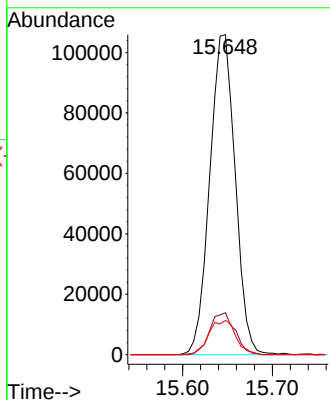
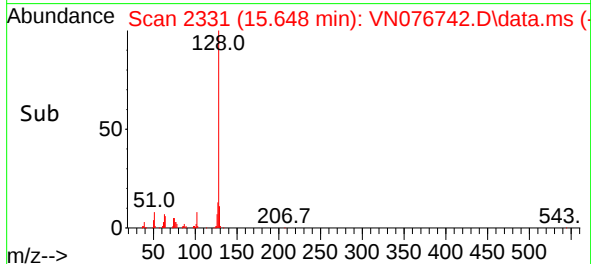
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



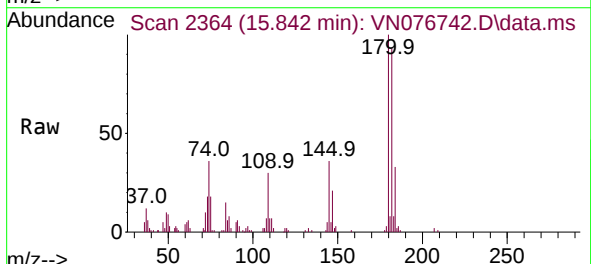
Tgt Ion:128 Resp: 20876
Ion Ratio Lower Upper
128 100
127 13.0 11.0 16.6
129 11.4 8.9 13.3

Manual Integrations
APPROVED

Reviewed By :John Carlone 02/21/2023
Supervised By :Mahesh Dadoda 02/21/2023



#92
1,2,3-Trichlorobenzene
Concen: 18.640 ug/l
RT: 15.842 min Scan# 2364
Delta R.T. -0.006 min
Lab File: VN076742.D
Acq: 17 Feb 2023 18:28



Tgt Ion:180 Resp: 65018
Ion Ratio Lower Upper
180 100
182 94.4 0.0 190.8
145 33.3 0.0 65.0

