

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050823\
 Data File : VN077621.D
 Acq On : 08 May 2023 17:06
 Operator : JC\MD
 Sample : VSTDCCC020
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Quant Time: May 09 06:04:01 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N050823W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Tue May 09 05:58:09 2023
 Response via : Initial Calibration

Manual Integrations
 APPROVED

Reviewed By : John Carlone 05/09/2023
 Supervised By : Mahesh Dadoda 05/09/2023

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

Internal Standards						
1) Bromochloromethane	7.819	128	111291	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.107	114	661758	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.872	117	595348	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.584	65	246298	30.774	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery =	102.567%		
60) 4-Bromofluorobenzene	12.854	95	279156	29.489	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery =	98.300%		
63) Toluene-d8	10.566	98	824582	29.988	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery =	99.967%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.137	85	137471	18.814	ug/l	91
3) Chloromethane	2.372	50	111261	20.036	ug/l	98
4) Vinyl Chloride	2.519	62	163414	19.125	ug/l	97
5) Bromomethane	2.966	94	140691	24.702	ug/l	97
6) Chloroethane	3.131	64	116067	20.792	ug/l	99
7) Trichlorofluoromethane	3.507	101	206604	17.779	ug/l	92
8) Diethyl Ether	3.972	74	75196	20.531	ug/l	86
9) 1,1,2-Trichlorotrifluo...	4.378	101	123340	19.664	ug/l	97
10) 1,1-Dichloroethene	4.349	96	112020	18.892	ug/l	96
11) Methyl Iodide	4.601	142	175764	19.058	ug/l	92
12) Methyl Acetate	5.031	43	147928	20.638	ug/l #	87
13) Acrolein	4.190	56	74129	84.430	ug/l	97
14) Acrylonitrile	5.731	53	220405	101.088	ug/l	98
15) Acetone	4.437	58	73408	110.932	ug/l	97
16) Carbon Disulfide	4.719	76	255390	17.930	ug/l	98
17) Allyl chloride	5.031	41	118278	19.216	ug/l	93
18) Methylene Chloride	5.290	84	140593	19.509	ug/l #	92
19) trans-1,2-Dichloroethene	5.796	96	130775	19.604	ug/l	98
20) Diisopropyl ether	6.684	45	293695	19.619	ug/l #	93
21) 1,1-Dichloroethane	6.578	63	221206	20.145	ug/l	97
22) cis-1,2-Dichloroethene	7.495	96	155729	19.374	ug/l	92
23) tert-Butyl Alcohol	5.531	59	91849	107.534	ug/l #	100
24) Methyl tert-Butyl Ether	5.807	73	390869	19.475	ug/l	97
25) Chloroform	7.966	83	260457	19.899	ug/l	98
26) Cyclohexane	8.260	56	172436	19.129	ug/l #	90
29) 1,1-Dichloropropene	8.378	75	180367	18.933	ug/l	97
30) 2-Butanone	7.490	43	281982	111.046	ug/l	91
31) 2,2-Dichloropropane	7.501	77	204068	18.386	ug/l	97
32) 1,1,1-Trichloroethane	8.178	97	242608	19.677	ug/l	96
33) Carbon Tetrachloride	8.366	117	200210	19.202	ug/l	99
34) Benzene	8.613	78	551475	19.171	ug/l	96
35) Methacrylonitrile	7.790	41	63767	22.124	ug/l	92
36) 1,2-Dichloroethane	8.672	62	189293	19.738	ug/l	100
37) Trichloroethene	9.354	130	139478	18.757	ug/l	99
38) Methylcyclohexane	9.607	83	237105	19.330	ug/l	95
39) 1,2-Dichloropropane	9.625	63	128660	19.319	ug/l	98
40) Dibromomethane	9.713	93	99214	18.896	ug/l	93
41) Bromodichloromethane	9.895	83	203577	19.255	ug/l	96
42) Vinyl Acetate	6.613	43	900652m	95.616	ug/l	

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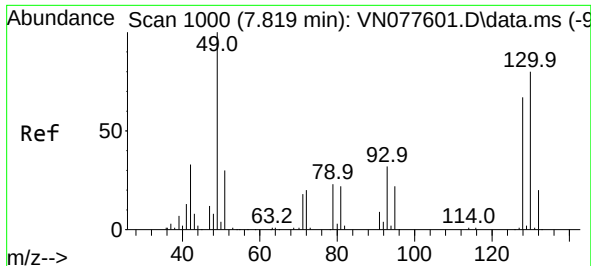
Manual Integrations
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Reviewed By : John Carlone 05/09/2023
 Supervised By : Mahesh Dadoda 05/09/2023

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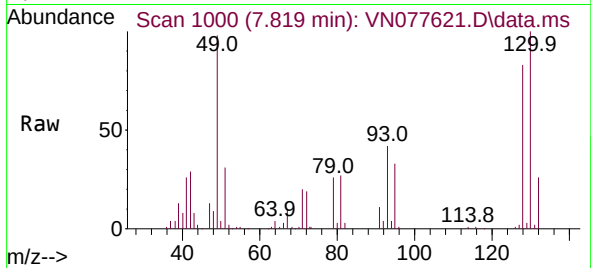
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	7.566	43	112567	20.627	ug/l #	91
44) Isopropyl Acetate	8.695	43	198469	19.862	ug/l	91
45) 1,4-Dioxane	9.695	88	52619	423.638	ug/l #	94
46) Methyl methacrylate	9.684	41	90555	20.179	ug/l	87
47) n-amyl Acetate	12.495	43	170001	19.754	ug/l	96
48) t-1,3-Dichloropropene	10.836	75	199939	18.758	ug/l	98
49) cis-1,3-Dichloropropene	10.313	75	224107	19.183	ug/l	96
50) 1,1,2-Trichloroethane	11.019	97	152580	20.179	ug/l	89
51) Ethyl methacrylate	10.878	69	194784	19.956	ug/l	90
52) 1,3-Dichloropropane	11.166	76	237198	19.402	ug/l	100
53) Dibromochloromethane	11.360	129	152285	19.358	ug/l	97
54) 1,2-Dibromoethane	11.472	107	145402	19.359	ug/l	97
55) 2-Chloroethyl vinyl ether	10.166	63	455455	103.186	ug/l	97
56) Bromoform	12.583	173	92221	19.923	ug/l	98
58) 4-Methyl-2-Pentanone	10.448	43	592927	108.148	ug/l #	93
59) 2-Hexanone	11.201	43	430258	108.716	ug/l	93
61) Tetrachloroethene	11.107	164	115610	20.076	ug/l	96
62) Toluene	10.631	91	644277	19.547	ug/l	99
64) Chlorobenzene	11.895	112	392863	19.381	ug/l	100
65) 1,1,1,2-Tetrachloroethane	11.966	131	142337	19.464	ug/l	93
66) Ethyl Benzene	11.966	91	718142	19.664	ug/l	99
67) m/p-Xylenes	12.072	106	567978	39.528	ug/l	98
68) o-Xylene	12.401	106	280148	19.784	ug/l	95
69) Styrene	12.413	104	445108	19.658	ug/l	97
70) Isopropylbenzene	12.701	105	735917	20.008	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.942	83	200725	20.350	ug/l	99
72) 1,2,3-Trichloropropane	13.001	75	175695m	21.408	ug/l	
73) Bromobenzene	12.983	156	151532	19.703	ug/l	91
74) n-propylbenzene	13.036	91	809634	19.687	ug/l	99
75) 2-Chlorotoluene	13.130	91	494871	19.896	ug/l	100
76) 1,3,5-Trimethylbenzene	13.177	105	581881	20.018	ug/l	99
77) t-1,4-Dichloro-2-butene	12.736	75	53848	18.834	ug/l	92
78) 4-Chlorotoluene	13.224	91	465901	19.184	ug/l	99
79) tert-butylbenzene	13.442	119	517422	19.876	ug/l	98
80) 1,2,4-Trimethylbenzene	13.489	105	551179	19.539	ug/l	99
81) sec-Butylbenzene	13.619	105	726801	19.890	ug/l	99
82) p-Isopropyltoluene	13.736	119	574580	19.763	ug/l	99
83) 1,3-Dichlorobenzene	13.736	146	278345	19.490	ug/l	98
84) 1,4-Dichlorobenzene	13.813	146	266314	19.048	ug/l	98
85) n-Butylbenzene	14.060	91	444830	18.598	ug/l	99
86) Hexachloroethane	14.342	117	102904	18.992	ug/l	93
87) 1,2-Dichlorobenzene	14.107	146	277475	20.016	ug/l	99
88) 1,2-Dibromo-3-Chloropr...	14.724	75	37382	20.856	ug/l	97
89) 1,2,4-Trichlorobenzene	15.395	180	82380	17.248	ug/l	96
90) Hexachlorobutadiene	15.501	225	59494	22.090	ug/l	93
91) Naphthalene	15.648	128	295031	18.083	ug/l	98
92) 1,2,3-Trichlorobenzene	15.842	180	81320	18.487	ug/l	96

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



#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.819 min Scan# 1000
Delta R.T. -0.000 min
Lab File: VN077621.D
Acq: 08 May 2023 17:06

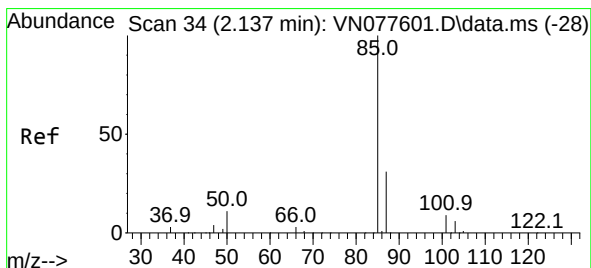
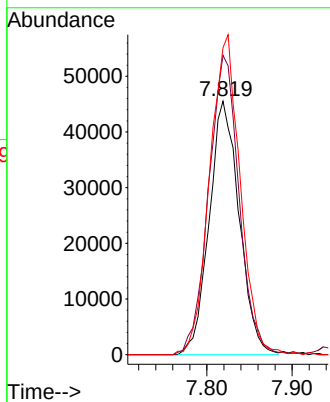
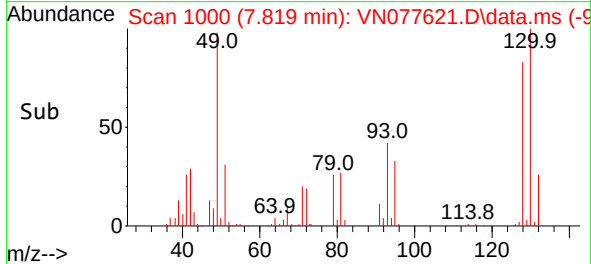
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



Tgt Ion:128 Resp: 11129
Ion Ratio Lower Upper
128 100
49 120.0 0.0 369.8
130 127.9 0.0 317.8

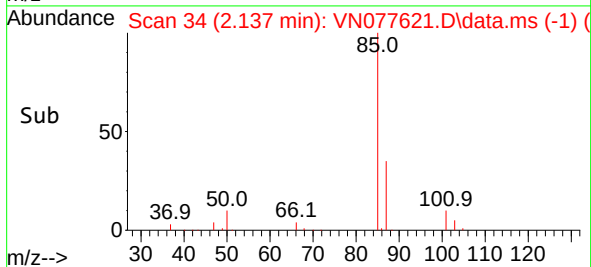
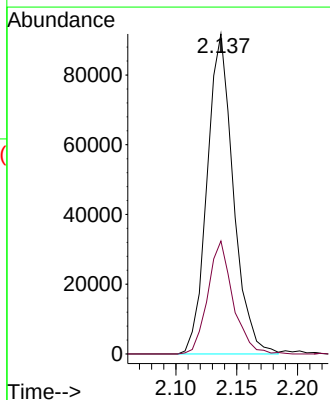
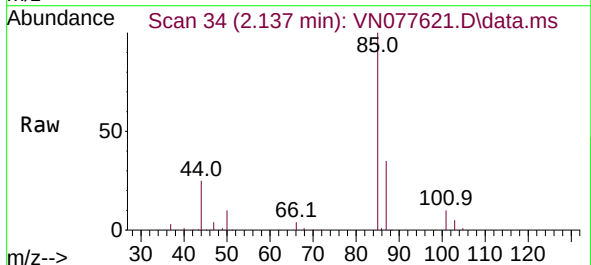
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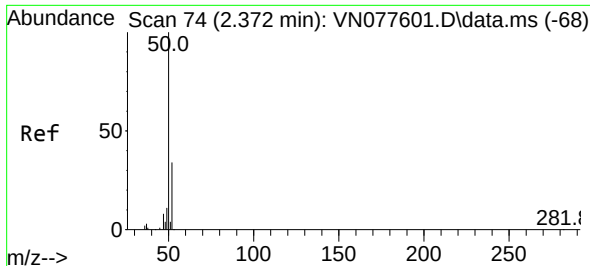
Reviewed By :John Carlone 05/09/2023
Supervised By :Mahesh Dadoda 05/09/2023



#2
Dichlorodifluoromethane
Concen: 18.814 ug/l
RT: 2.137 min Scan# 34
Delta R.T. -0.000 min
Lab File: VN077621.D
Acq: 08 May 2023 17:06

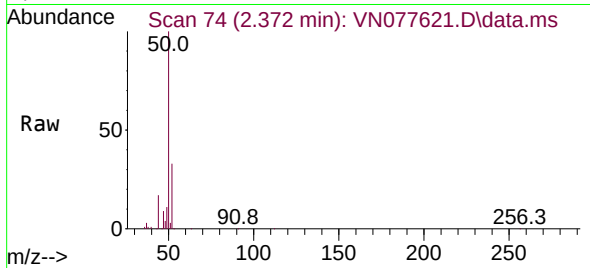
Tgt Ion: 85 Resp: 137471
Ion Ratio Lower Upper
85 100
87 35.3 15.3 45.9





#3
Chloromethane
Concen: 20.036 ug/l
RT: 2.372 min Scan# 74
Delta R.T. 0.000 min
Lab File: VN077621.D
Acq: 08 May 2023 17:06

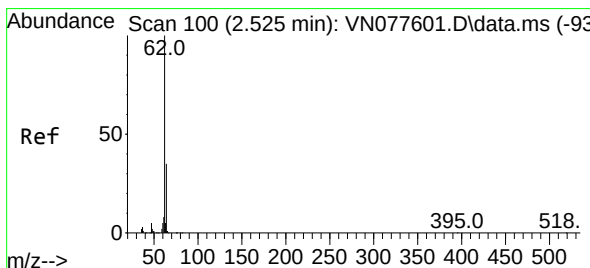
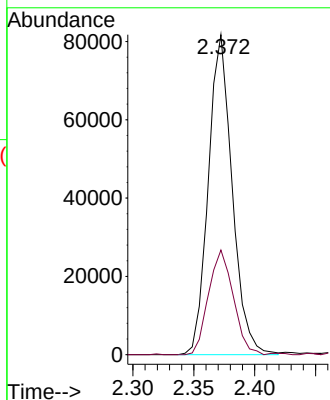
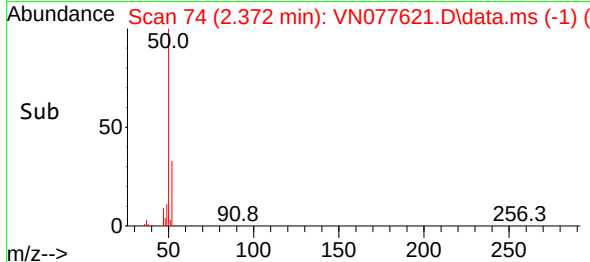
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



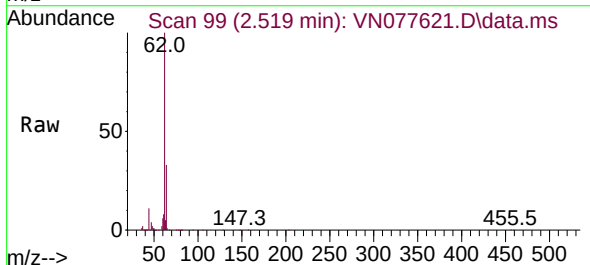
Tgt Ion: 50 Resp: 11126
Ion Ratio Lower Upper
50 100
52 32.7 27.3 40.9

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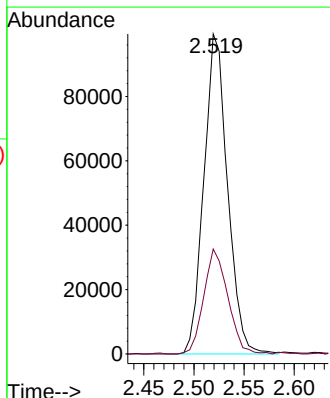
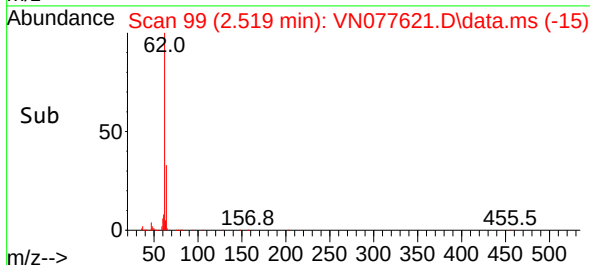
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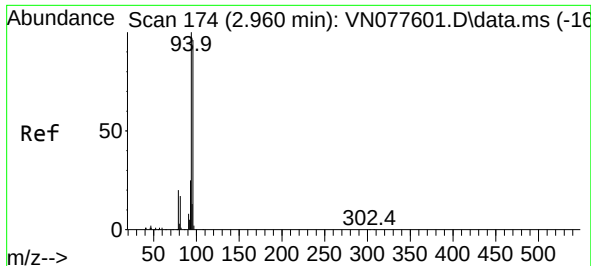


#4
Vinyl Chloride
Concen: 19.125 ug/l
RT: 2.519 min Scan# 99
Delta R.T. -0.006 min
Lab File: VN077621.D
Acq: 08 May 2023 17:06



Tgt Ion: 62 Resp: 163414
Ion Ratio Lower Upper
62 100
64 32.8 27.8 41.6





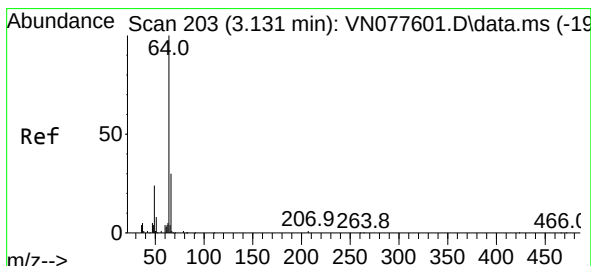
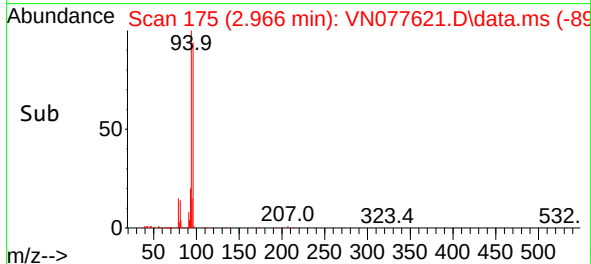
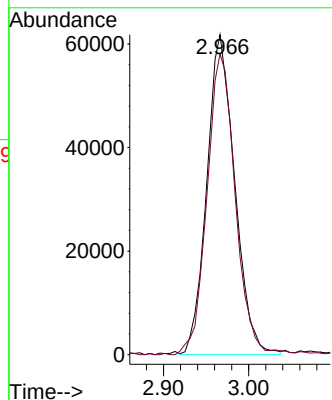
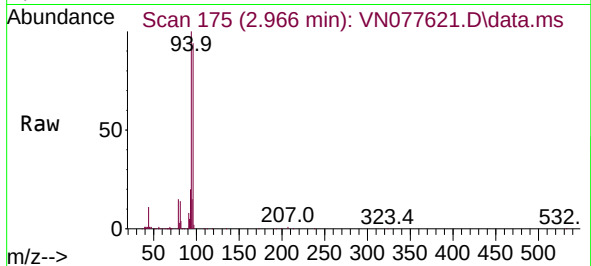
#5
Bromomethane
Concen: 24.702 ug/l
RT: 2.966 min Scan# 174
Delta R.T. 0.006 min
Lab File: VN077621.D
Acq: 08 May 2023 17:06

Instrument :
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ClientSampleId :
VSTDCCC020EC

Tgt Ion: 94 Resp: 14069
Ion Ratio Lower Upper
94 100
96 93.2 76.7 115.1

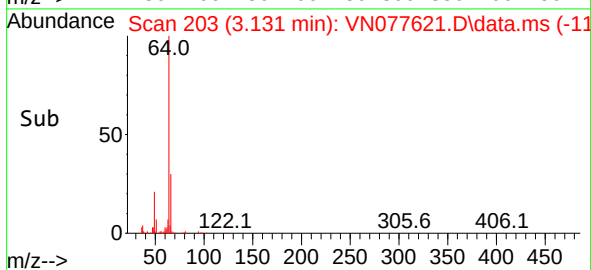
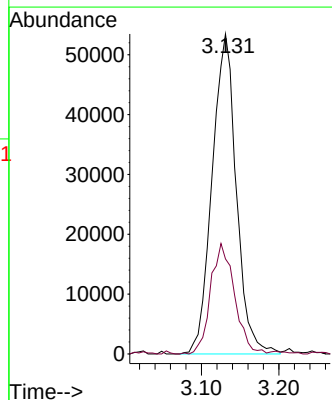
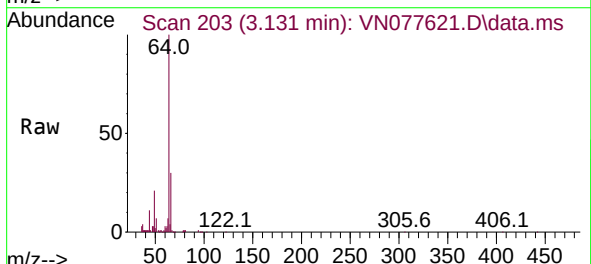
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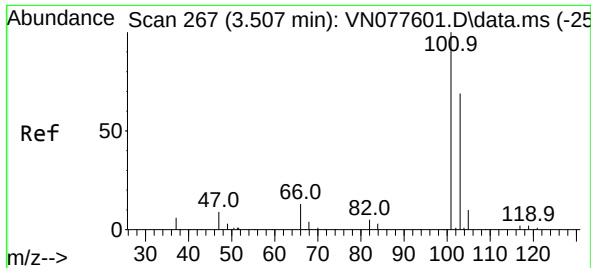
Reviewed By :John Carlone 05/09/2023
Supervised By :Mahesh Dadoda 05/09/2023



#6
Chloroethane
Concen: 20.792 ug/l
RT: 3.131 min Scan# 203
Delta R.T. -0.000 min
Lab File: VN077621.D
Acq: 08 May 2023 17:06

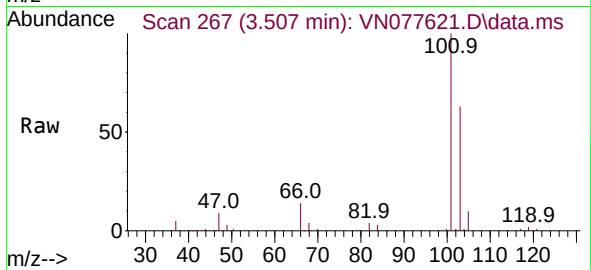
Tgt Ion: 64 Resp: 116067
Ion Ratio Lower Upper
64 100
66 29.7 24.2 36.4





#7
 Trichlorofluoromethane
 Concen: 17.779 ug/l
 RT: 3.507 min Scan# 267
 Delta R.T. 0.000 min
 Lab File: VN077621.D
 Acq: 08 May 2023 17:06

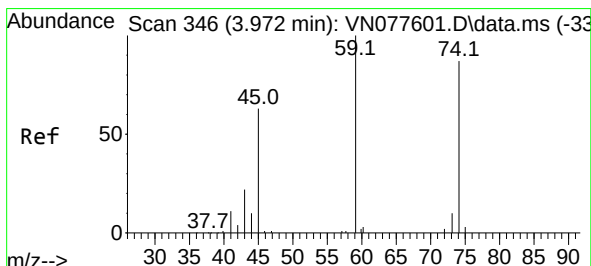
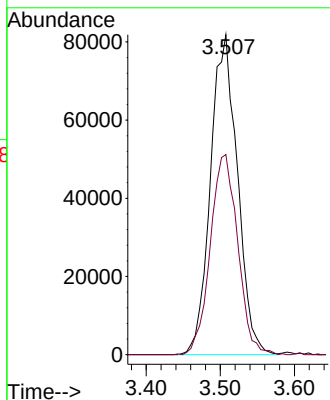
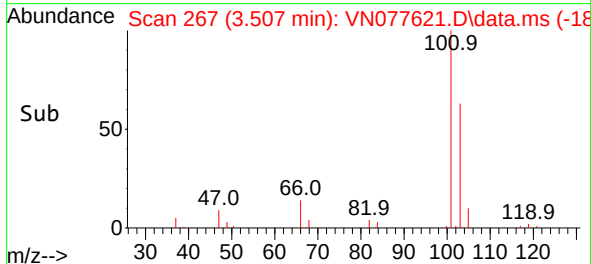
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Tgt Ion:101 Resp: 206604
 Ion Ratio Lower Upper
 101 100
 103 62.6 55.0 82.4

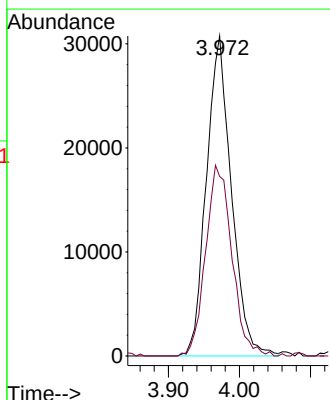
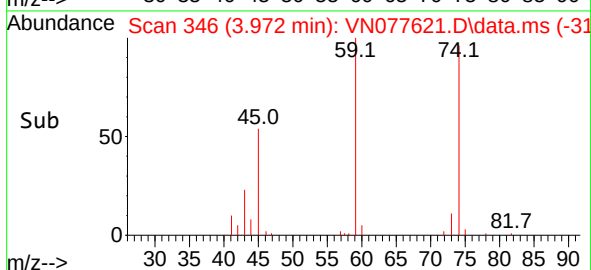
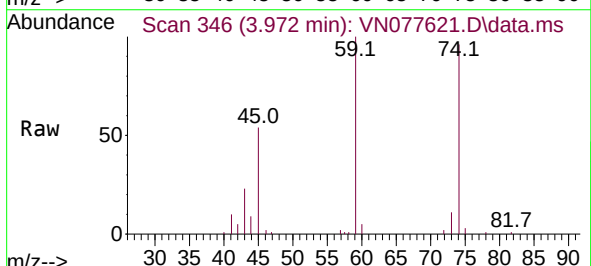
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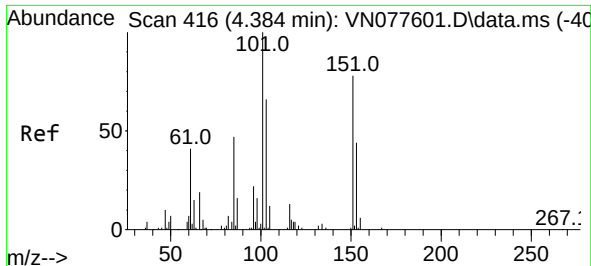
Reviewed By :John Carlone 05/09/2023
 Supervised By :Mahesh Dadoda 05/09/2023



#8
 Diethyl Ether
 Concen: 20.531 ug/l
 RT: 3.972 min Scan# 346
 Delta R.T. 0.000 min
 Lab File: VN077621.D
 Acq: 08 May 2023 17:06

Tgt Ion: 74 Resp: 75196
 Ion Ratio Lower Upper
 74 100
 45 62.3 14.8 133.2





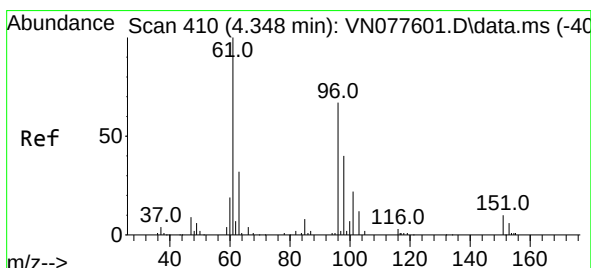
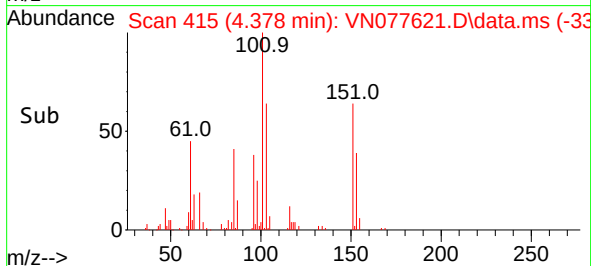
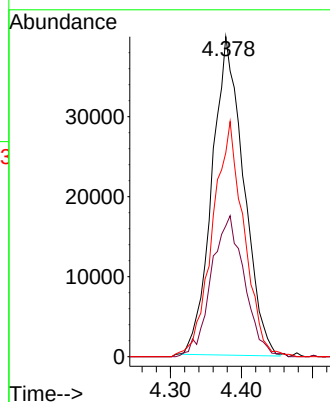
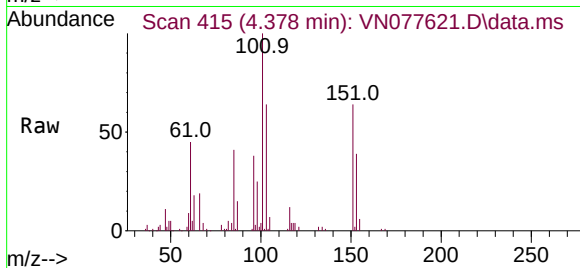
#9
1,1,2-Trichlorotrifluoroethane
Concen: 19.664 ug/l
RT: 4.378 min Scan# 416
Delta R.T. -0.006 min
Lab File: VN077621.D
Acq: 08 May 2023 17:06

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tgt Ion:101 Resp: 123340
Ion Ratio Lower Upper
101 100
85 46.1 0.0 92.6
151 72.6 0.0 137.4

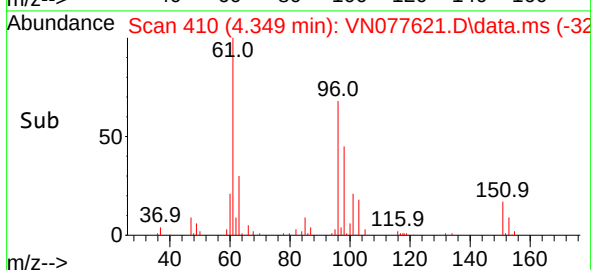
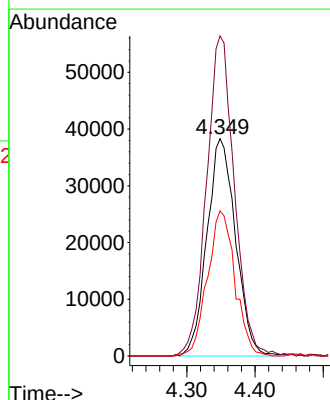
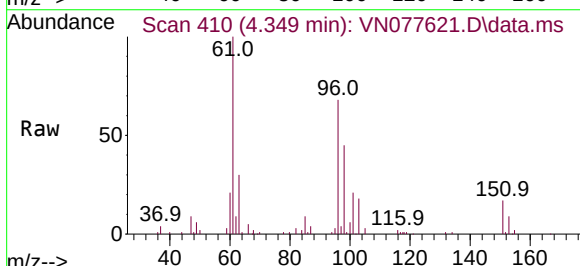
Manual Integrations
APPROVED

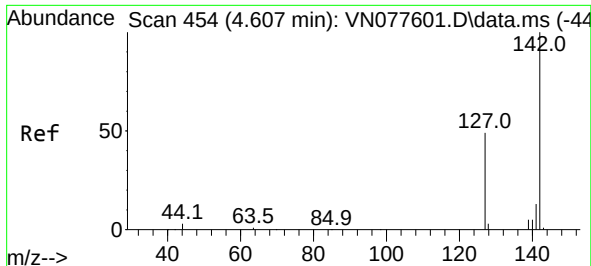
Reviewed By :John Carlone 05/09/2023
Supervised By :Mahesh Dadoda 05/09/2023



#10
1,1-Dichloroethene
Concen: 18.892 ug/l
RT: 4.349 min Scan# 410
Delta R.T. 0.001 min
Lab File: VN077621.D
Acq: 08 May 2023 17:06

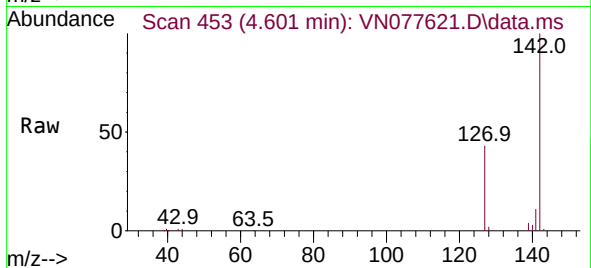
Tgt Ion: 96 Resp: 112020
Ion Ratio Lower Upper
96 100
61 146.6 120.1 180.1
98 66.7 48.3 72.5





#11
Methyl Iodide
Concen: 19.058 ug/l
RT: 4.601 min Scan# 411
Delta R.T. -0.006 min
Lab File: VN077621.D
Acq: 08 May 2023 17:06

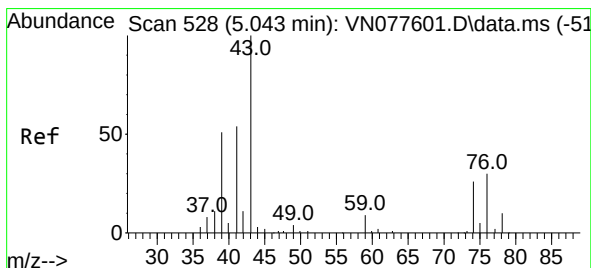
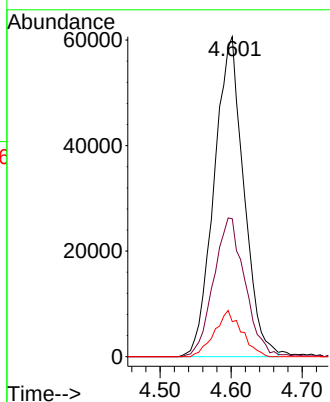
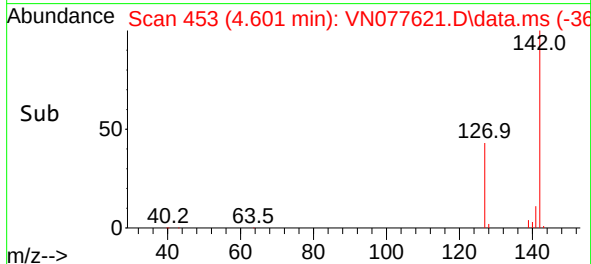
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



Tgt Ion:142 Resp: 175764
Ion Ratio Lower Upper
142 100
127 43.1 24.6 73.6
141 11.0 6.4 19.2

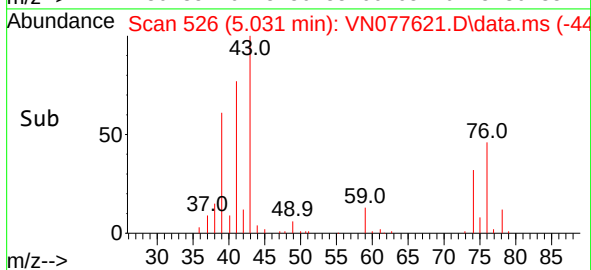
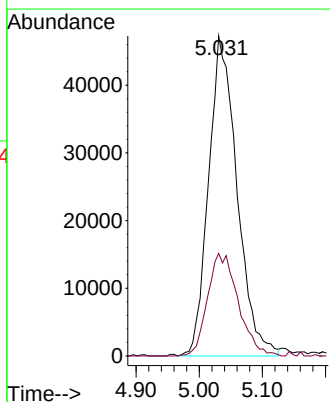
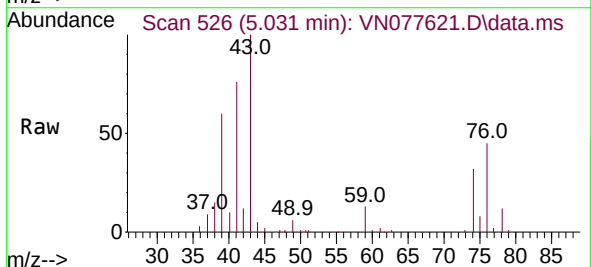
Manual Integrations
APPROVED

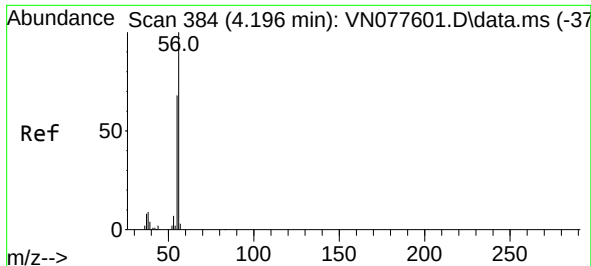
Reviewed By :John Carlone 05/09/2023
Supervised By :Mahesh Dadoda 05/09/2023



#12
Methyl Acetate
Concen: 20.638 ug/l
RT: 5.031 min Scan# 526
Delta R.T. -0.012 min
Lab File: VN077621.D
Acq: 08 May 2023 17:06

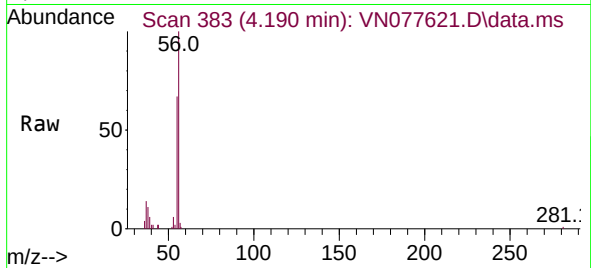
Tgt Ion: 43 Resp: 147928
Ion Ratio Lower Upper
43 100
74 32.2 20.6 31.0#





#13
Acrolein
Concen: 84.430 ug/l
RT: 4.190 min Scan# 384
Delta R.T. -0.006 min
Lab File: VN077621.D
Acq: 08 May 2023 17:06

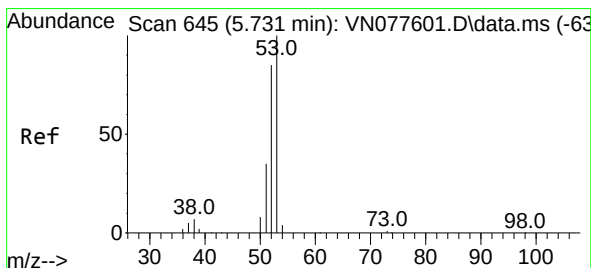
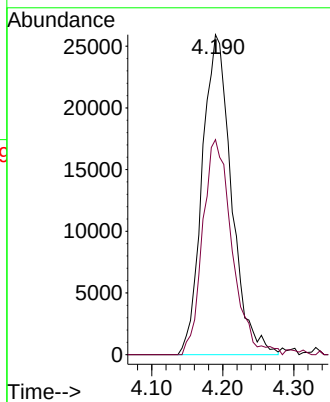
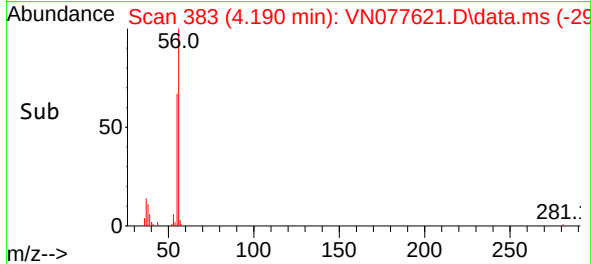
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



Tgt Ion: 56 Resp: 74129
Ion Ratio Lower Upper
56 100
55 66.0 54.8 82.2

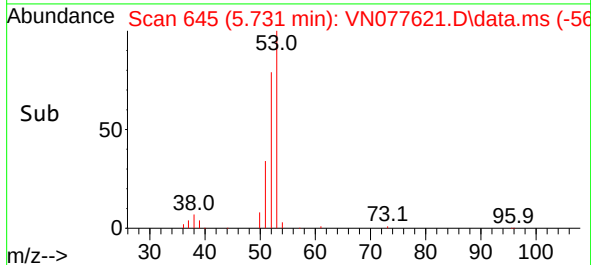
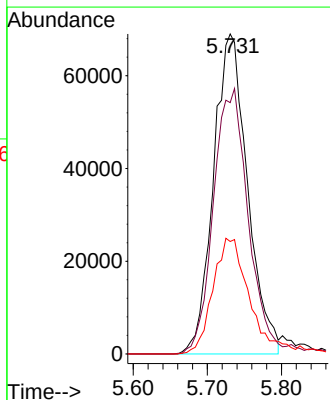
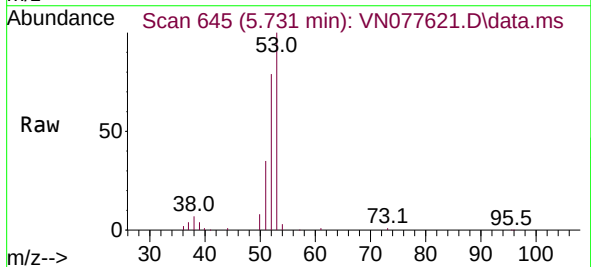
Manual Integrations
APPROVED

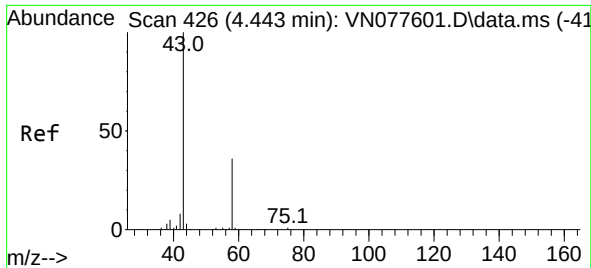
Reviewed By :John Carlone 05/09/2023
Supervised By :Mahesh Dadoda 05/09/2023



#14
Acrylonitrile
Concen: 101.088 ug/l
RT: 5.731 min Scan# 645
Delta R.T. -0.000 min
Lab File: VN077621.D
Acq: 08 May 2023 17:06

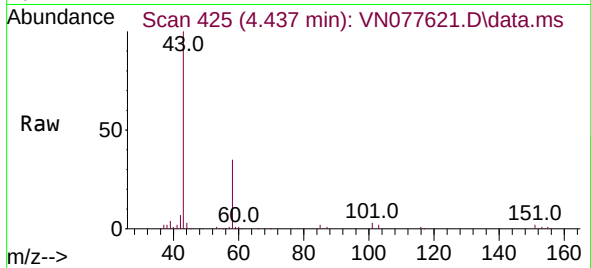
Tgt Ion: 53 Resp: 220405
Ion Ratio Lower Upper
53 100
52 84.2 41.6 124.8
51 36.7 17.6 52.9





#15
Acetone
Concen: 110.932 ug/l
RT: 4.437 min Scan# 41
Delta R.T. -0.006 min
Lab File: VN077621.D
Acq: 08 May 2023 17:06

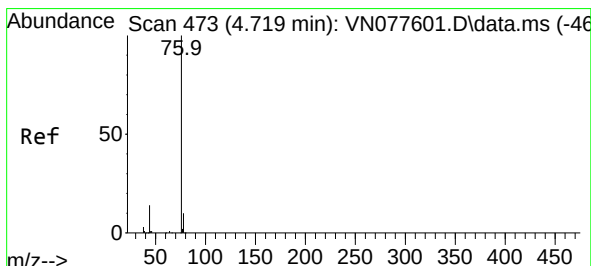
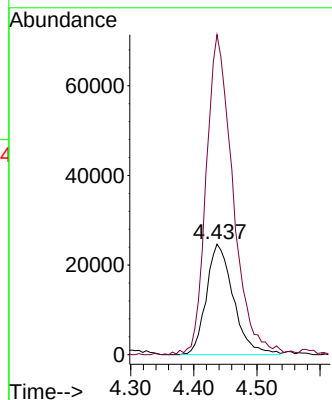
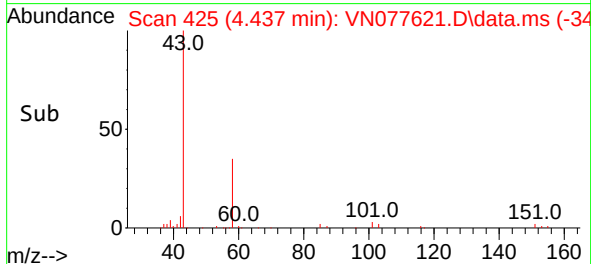
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



Tgt Ion: 58 Resp: 73408
Ion Ratio Lower Upper
58 100
43 285.2 223.2 334.8

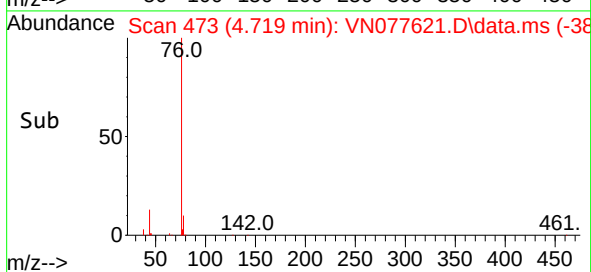
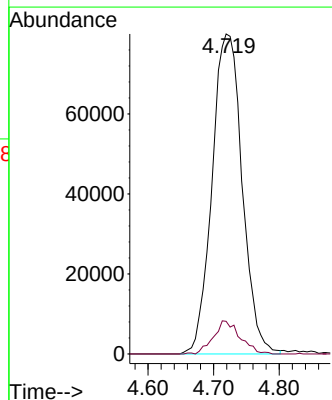
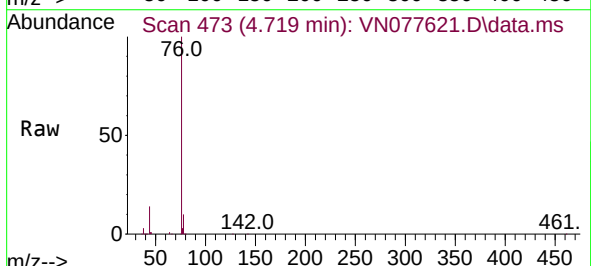
Manual Integrations
APPROVED

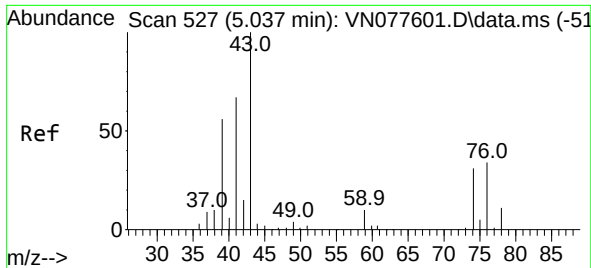
Reviewed By :John Carlone 05/09/2023
Supervised By :Mahesh Dadoda 05/09/2023



#16
Carbon Disulfide
Concen: 17.930 ug/l
RT: 4.719 min Scan# 473
Delta R.T. 0.000 min
Lab File: VN077621.D
Acq: 08 May 2023 17:06

Tgt Ion: 76 Resp: 255390
Ion Ratio Lower Upper
76 100
78 10.2 7.6 11.4





#17
 Allyl chloride
 Concen: 19.216 ug/l
 RT: 5.031 min Scan# 51
 Delta R.T. -0.006 min
 Lab File: VN077621.D
 Acq: 08 May 2023 17:06

Instrument :

MSVOA_N

ClientSampleId :

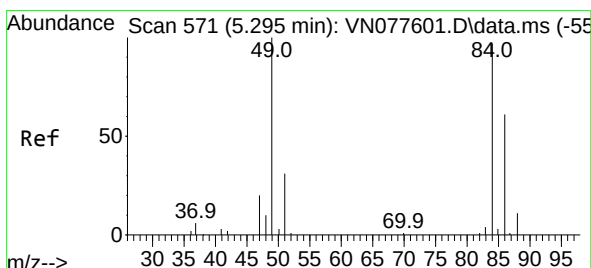
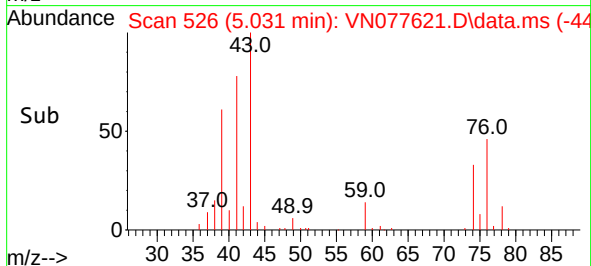
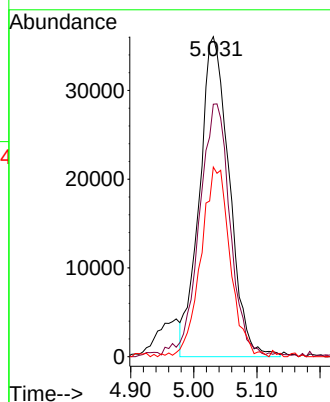
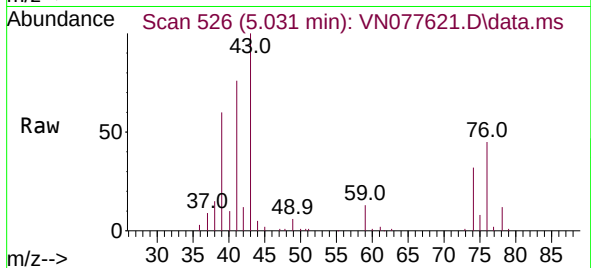
VSTDCCC020EC

Tgt Ion: 41 Resp: 118278
 Ion Ratio Lower Upper
 41 100
 39 78.5 39.5 118.3
 76 58.6 23.4 70.3

Manual Integrations

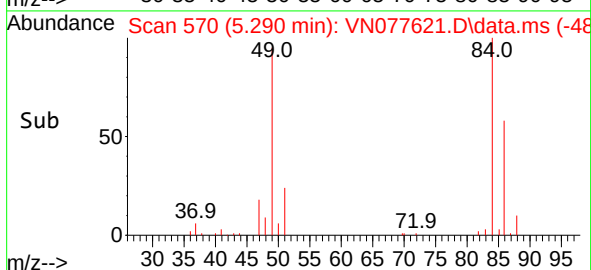
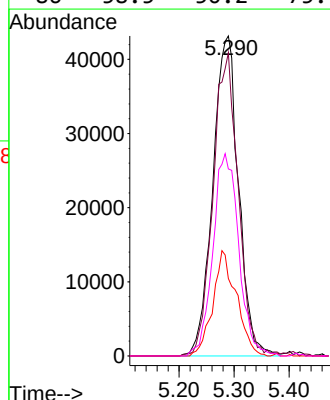
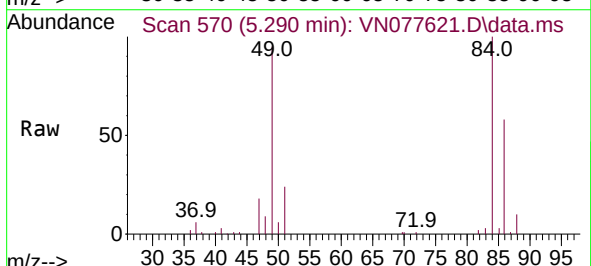
APPROVED

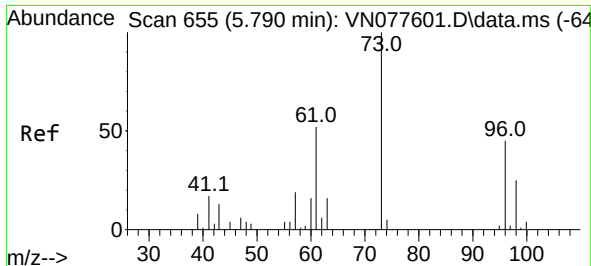
Reviewed By :John Carlone 05/09/2023
 Supervised By :Mahesh Dadoda 05/09/2023



#18
 Methylene Chloride
 Concen: 19.509 ug/l
 RT: 5.290 min Scan# 570
 Delta R.T. -0.005 min
 Lab File: VN077621.D
 Acq: 08 May 2023 17:06

Tgt Ion: 84 Resp: 140593
 Ion Ratio Lower Upper
 84 100
 49 94.8 82.4 123.6
 51 24.2 25.1 37.7#
 86 58.5 50.2 75.4





#19

trans-1,2-Dichloroethene

Concen: 19.604 ug/l

RT: 5.796 min Scan# 61

Delta R.T. 0.006 min

Lab File: VN077621.D

Acq: 08 May 2023 17:06

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tgt Ion: 96 Resp: 130775

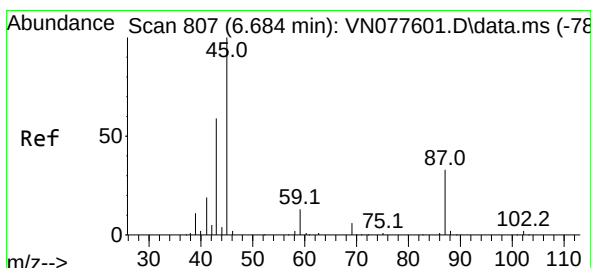
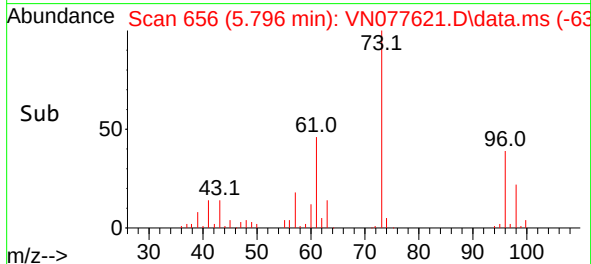
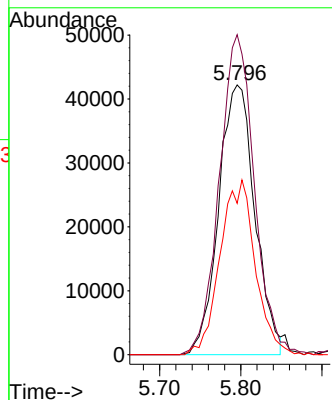
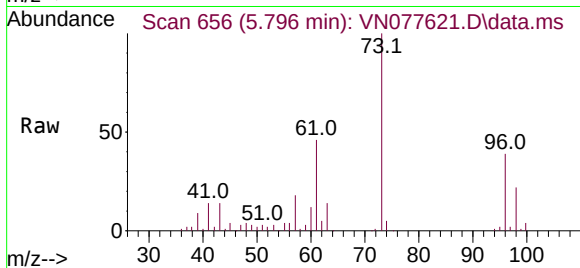
Ion	Ratio	Lower	Upper
96	100		
61	118.6	92.4	138.6
98	56.1	44.8	67.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/09/2023

Supervised By :Mahesh Dadoda 05/09/2023



#20

Diisopropyl ether

Concen: 19.619 ug/l

RT: 6.684 min Scan# 807

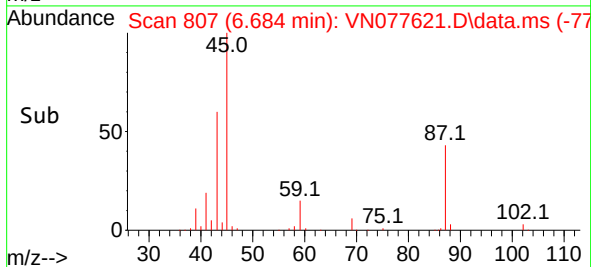
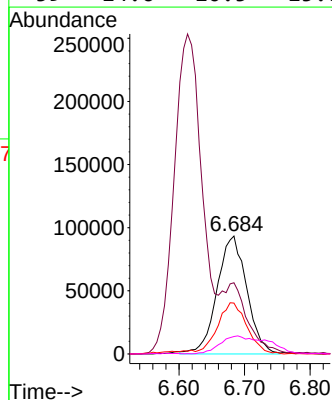
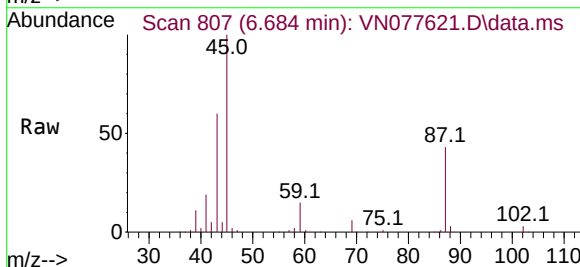
Delta R.T. -0.000 min

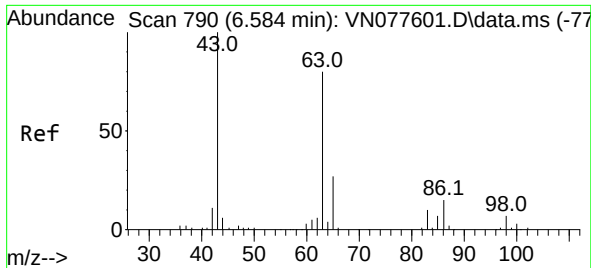
Lab File: VN077621.D

Acq: 08 May 2023 17:06

Tgt Ion: 45 Resp: 293695

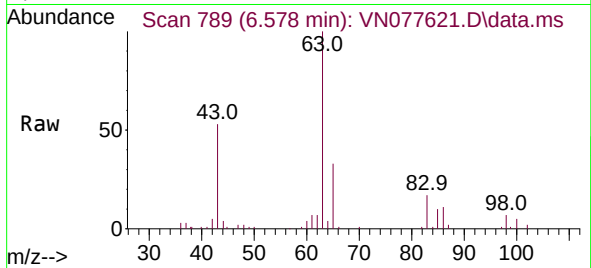
Ion	Ratio	Lower	Upper
45	100		
43	58.3	47.1	70.7
87	43.1	26.2	39.2
59	14.6	10.5	15.7





#21
1,1-Dichloroethane
Concen: 20.145 ug/l
RT: 6.578 min Scan# 790
Delta R.T. -0.006 min
Lab File: VN077621.D
Acq: 08 May 2023 17:06

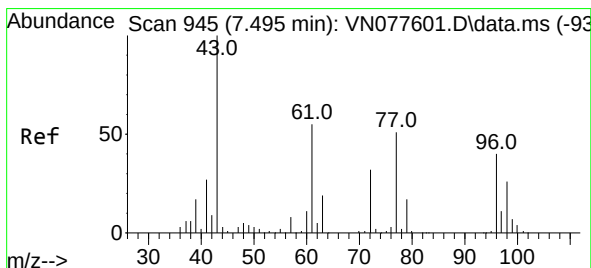
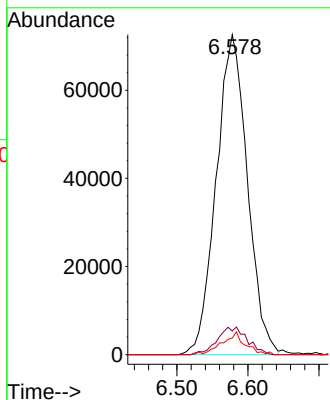
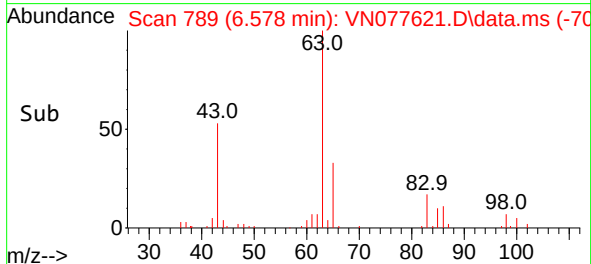
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



Tgt Ion: 63 Resp: 221200
Ion Ratio Lower Upper
63 100
98 7.4 4.3 13.1
100 5.2 2.3 6.8

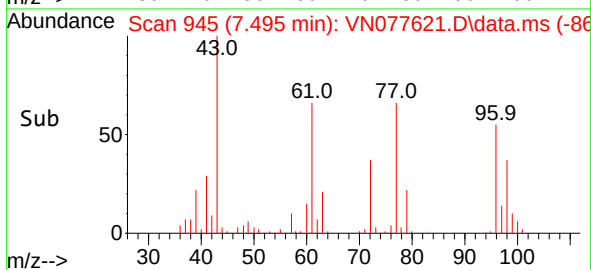
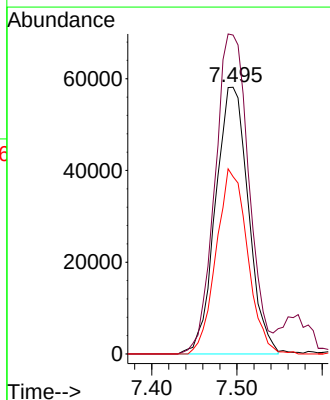
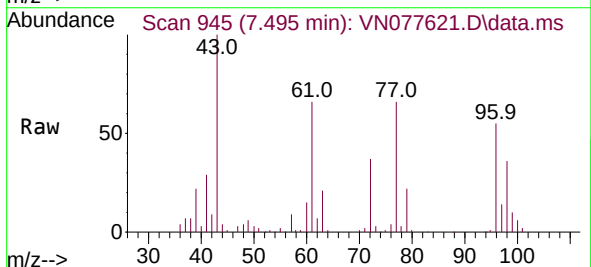
Manual Integrations
APPROVED

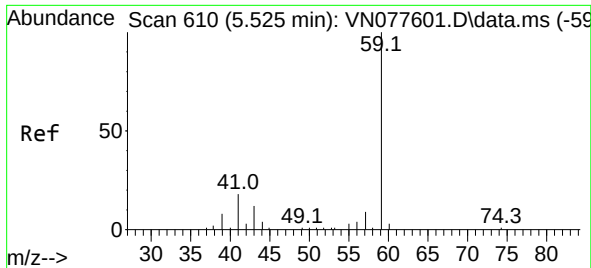
Reviewed By :John Carlone 05/09/2023
Supervised By :Mahesh Dadoda 05/09/2023



#22
cis-1,2-Dichloroethene
Concen: 19.374 ug/l
RT: 7.495 min Scan# 945
Delta R.T. 0.000 min
Lab File: VN077621.D
Acq: 08 May 2023 17:06

Tgt Ion: 96 Resp: 155729
Ion Ratio Lower Upper
96 100
61 123.9 109.4 164.0
98 66.3 51.2 76.8





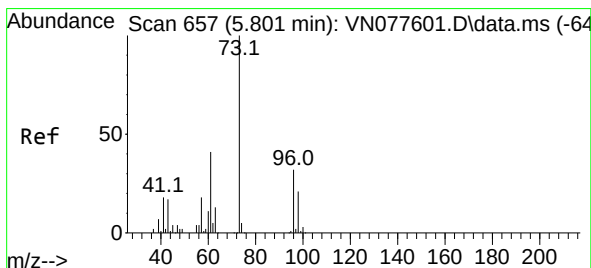
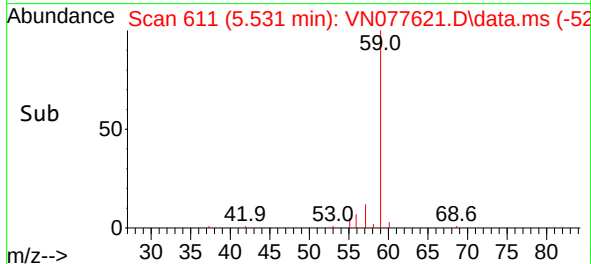
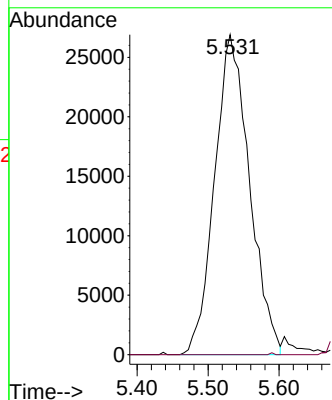
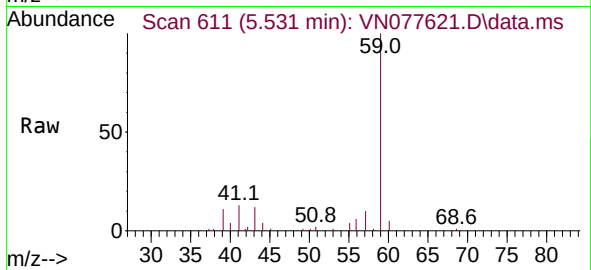
#23
tert-Butyl Alcohol
Concen: 107.534 ug/l
RT: 5.531 min Scan# 610
Delta R.T. 0.006 min
Lab File: VN077621.D
Acq: 08 May 2023 17:06

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tgt Ion: 59 Resp: 91849
Ion Ratio Lower Upper
59 100
52 0.0 0.0 0.0

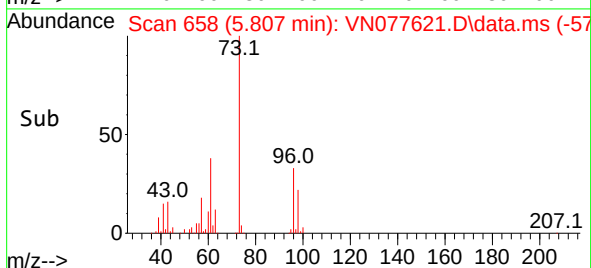
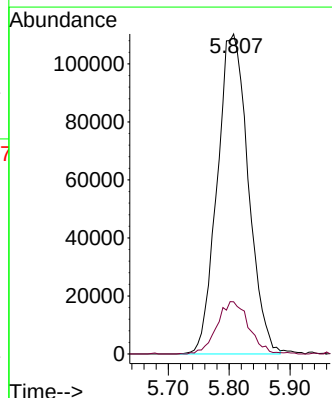
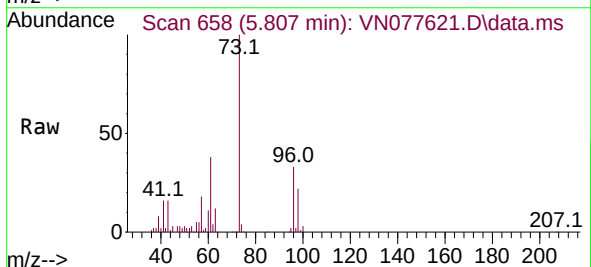
Manual Integrations
APPROVED

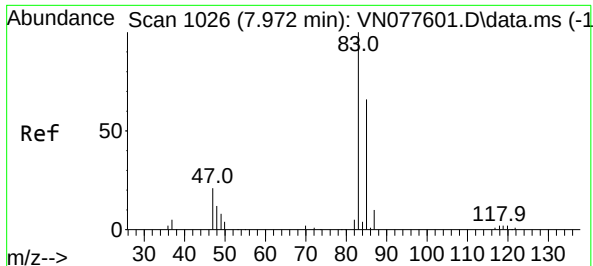
Reviewed By :John Carlone 05/09/2023
Supervised By :Mahesh Dadoda 05/09/2023



#24
Methyl tert-Butyl Ether
Concen: 19.475 ug/l
RT: 5.807 min Scan# 658
Delta R.T. 0.006 min
Lab File: VN077621.D
Acq: 08 May 2023 17:06

Tgt Ion: 73 Resp: 390869
Ion Ratio Lower Upper
73 100
43 16.6 14.3 21.5





#25

Chloroform

Concen: 19.899 ug/l

RT: 7.966 min Scan# 1025

Delta R.T. -0.006 min

Lab File: VN077621.D

Acq: 08 May 2023 17:06

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tgt Ion: 83 Resp: 26045

Ion Ratio Lower Upper

83 100

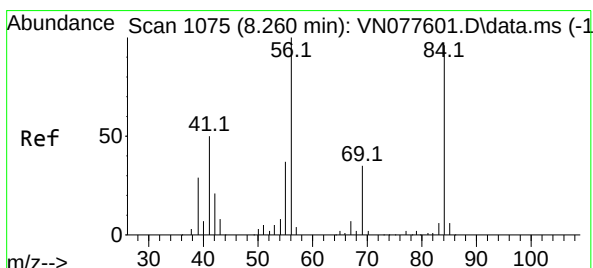
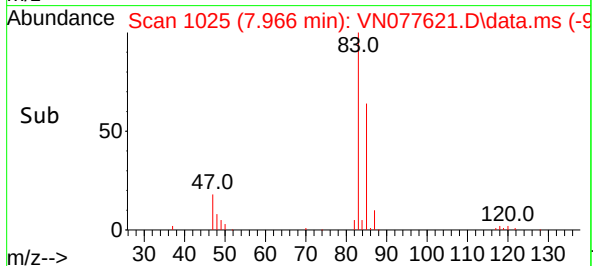
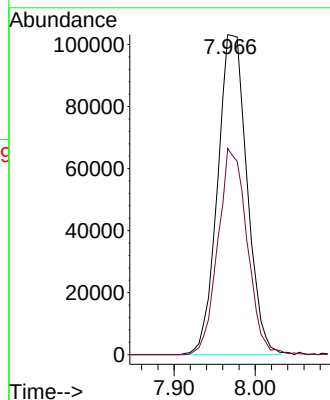
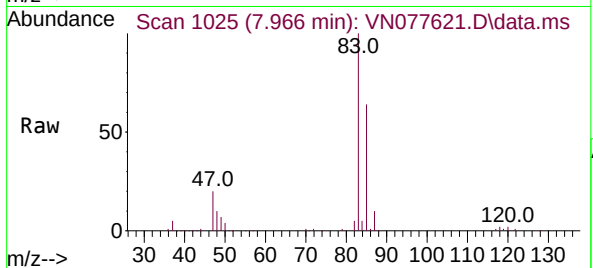
85 64.4 53.0 79.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/09/2023

Supervised By :Mahesh Dadoda 05/09/2023



#26

Cyclohexane

Concen: 19.129 ug/l

RT: 8.260 min Scan# 1075

Delta R.T. 0.000 min

Lab File: VN077621.D

Acq: 08 May 2023 17:06

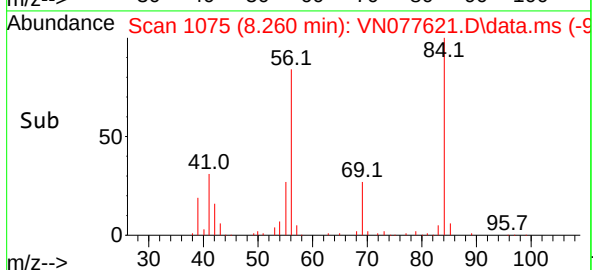
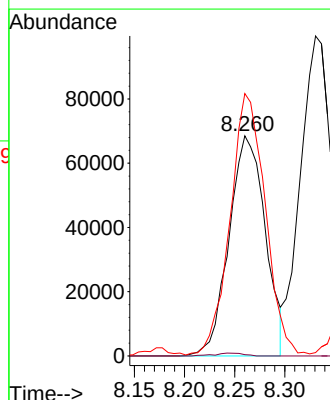
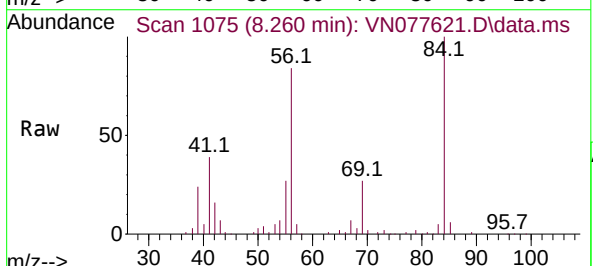
Tgt Ion: 56 Resp: 172436

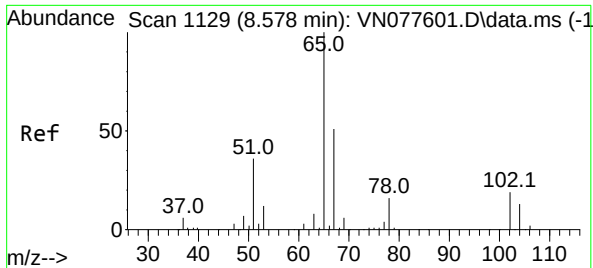
Ion Ratio Lower Upper

56 100

89 0.8 0.0 0.0#

84 115.8 84.6 126.8





#27
1,2-Dichloroethane-d4
Concen: 30.774 ug/l
RT: 8.584 min Scan# 1129
Delta R.T. 0.006 min
Lab File: VN077621.D
Acq: 08 May 2023 17:06

Instrument :

MSVOA_N

ClientSampleId :

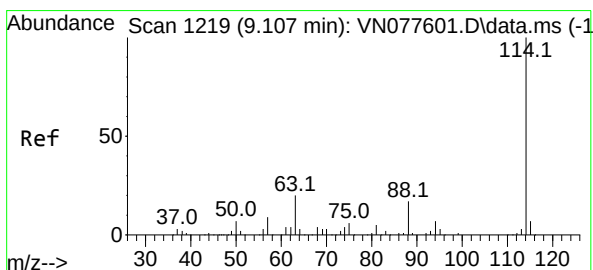
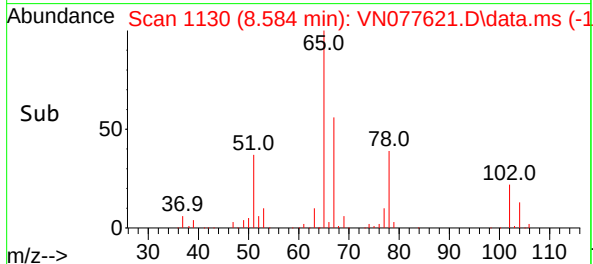
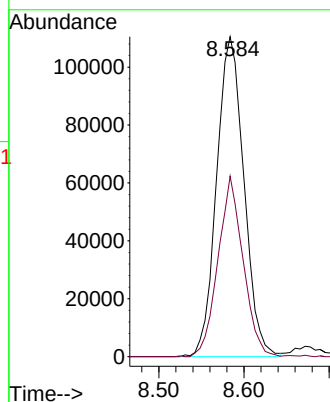
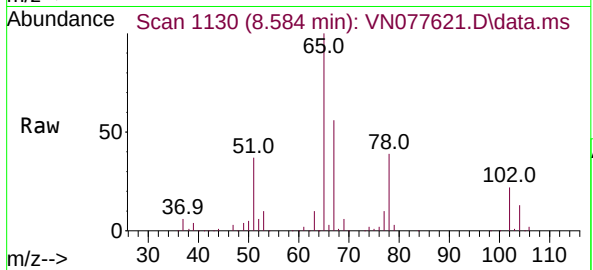
VSTDC020EC

Tgt Ion: 65 Resp: 246298
Ion Ratio Lower Upper
65 100
67 51.8 41.3 61.9

Manual Integrations

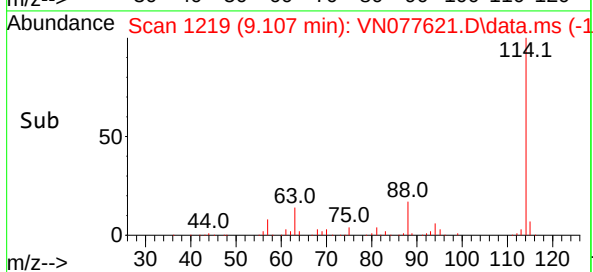
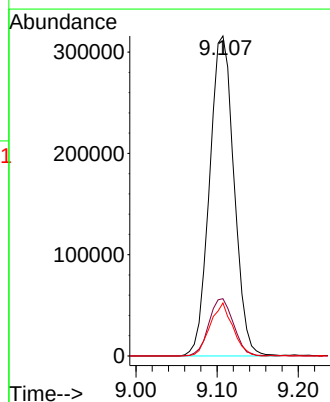
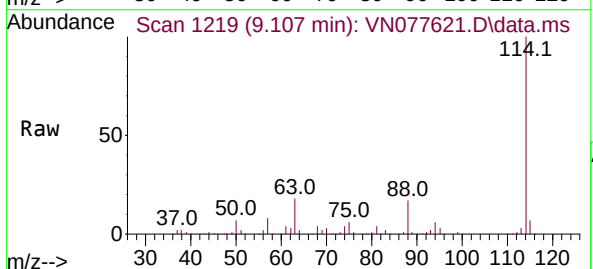
APPROVED

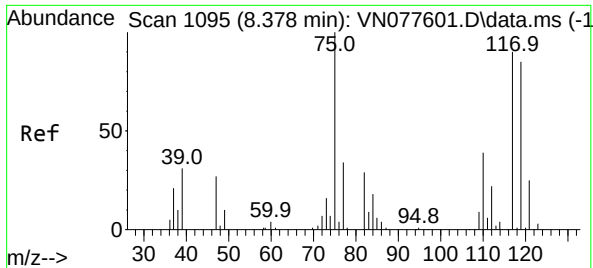
Reviewed By :John Carlone 05/09/2023
Supervised By :Mahesh Dadoda 05/09/2023



#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 9.107 min Scan# 1219
Delta R.T. 0.000 min
Lab File: VN077621.D
Acq: 08 May 2023 17:06

Tgt Ion:114 Resp: 661758
Ion Ratio Lower Upper
114 100
63 18.1 15.8 23.6
88 15.4 13.0 19.4





#29
1,1-Dichloropropene
Concen: 18.933 ug/l
RT: 8.378 min Scan# 1095
Delta R.T. -0.000 min
Lab File: VN077621.D
Acq: 08 May 2023 17:06

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

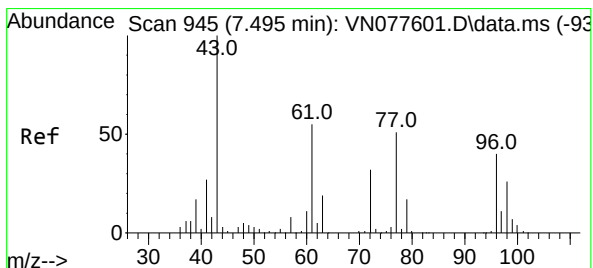
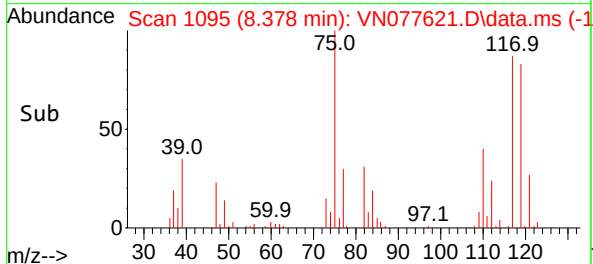
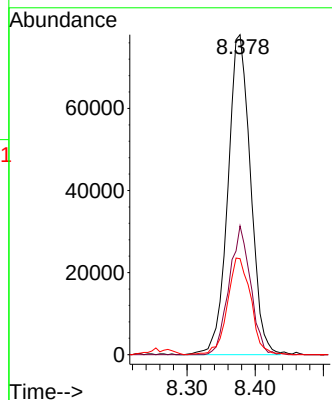
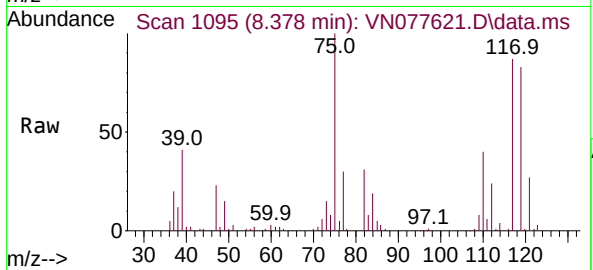
Tgt Ion: 75 Resp: 18036
Ion Ratio Lower Upper
75 100
110 38.0 0.0 69.8
77 30.9 0.0 61.4

Manual Integrations

APPROVED

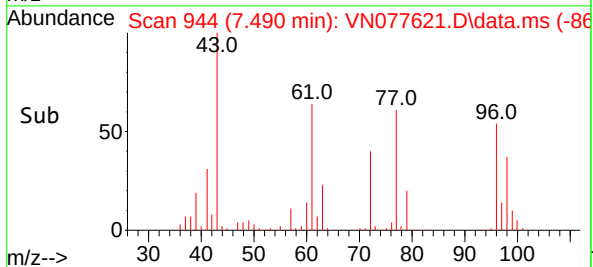
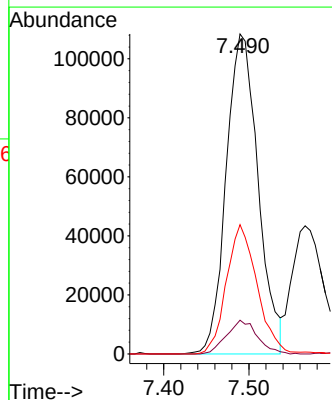
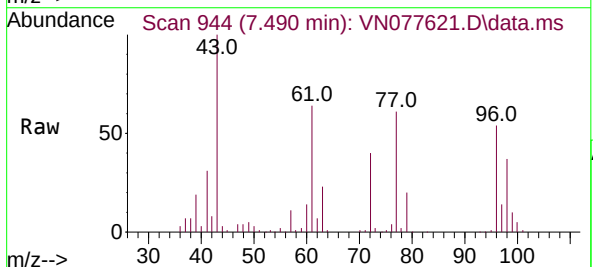
Reviewed By :John Carlone 05/09/2023

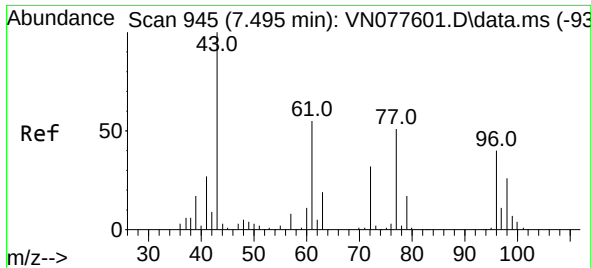
Supervised By :Mahesh Dadoda 05/09/2023



#30
2-Butanone
Concen: 111.046 ug/l
RT: 7.490 min Scan# 944
Delta R.T. -0.005 min
Lab File: VN077621.D
Acq: 08 May 2023 17:06

Tgt Ion: 43 Resp: 281982
Ion Ratio Lower Upper
43 100
57 10.2 7.2 10.8
72 38.7 26.2 39.2





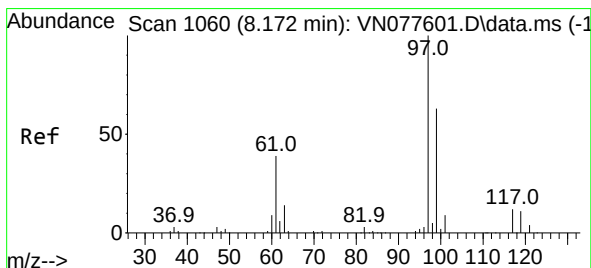
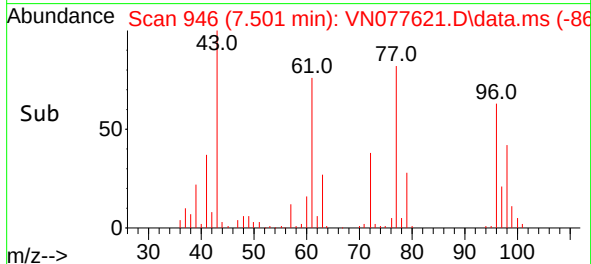
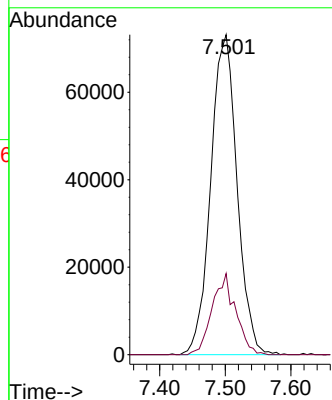
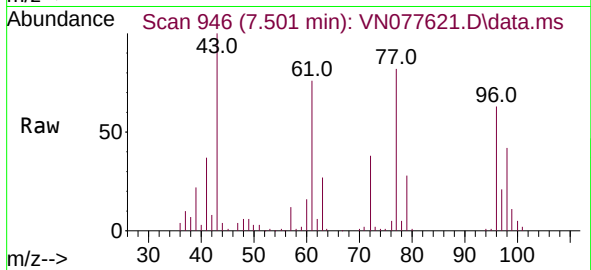
#31
2,2-Dichloropropane
Concen: 18.386 ug/l
RT: 7.501 min Scan# 945
Delta R.T. 0.006 min
Lab File: VN077621.D
Acq: 08 May 2023 17:06

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tgt Ion: 77 Resp: 204068
Ion Ratio Lower Upper
77 100
97 22.5 19.1 28.7

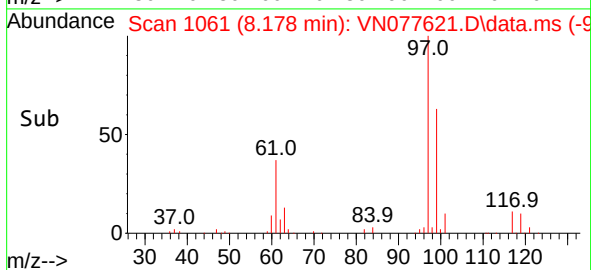
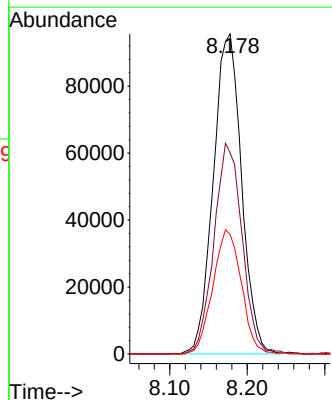
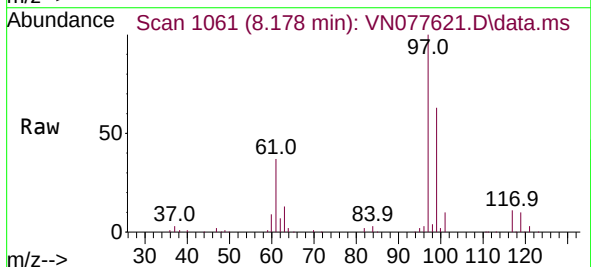
Manual Integrations
APPROVED

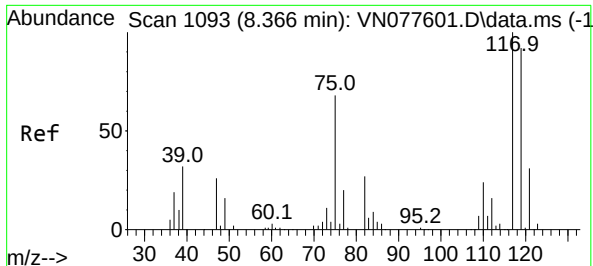
Reviewed By :John Carlone 05/09/2023
Supervised By :Mahesh Dadoda 05/09/2023



#32
1,1,1-Trichloroethane
Concen: 19.677 ug/l
RT: 8.178 min Scan# 1061
Delta R.T. 0.006 min
Lab File: VN077621.D
Acq: 08 May 2023 17:06

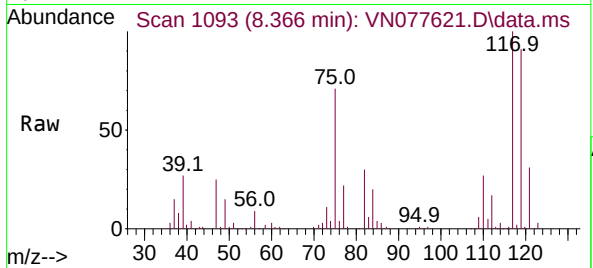
Tgt Ion: 97 Resp: 242608
Ion Ratio Lower Upper
97 100
99 64.8 53.1 79.7
61 39.0 35.1 52.7





#33
Carbon Tetrachloride
Concen: 19.202 ug/l
RT: 8.366 min Scan# 1093
Delta R.T. -0.000 min
Lab File: VN077621.D
Acq: 08 May 2023 17:06

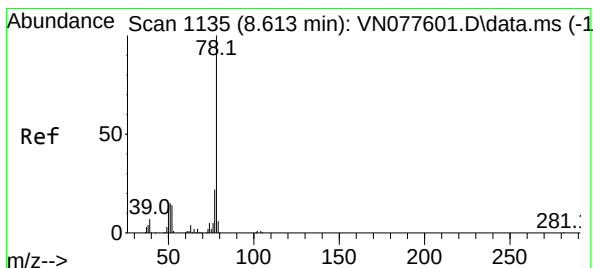
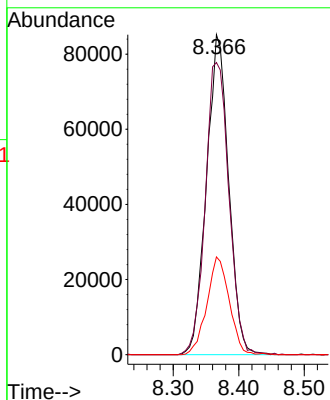
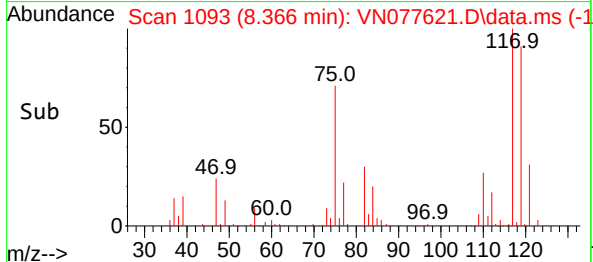
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



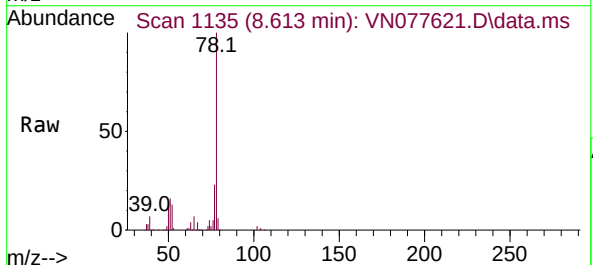
Tgt Ion: 117 Resp: 200210
Ion Ratio Lower Upper
117 100
119 91.3 73.9 110.9
121 30.5 25.0 37.4

Manual Integrations
APPROVED

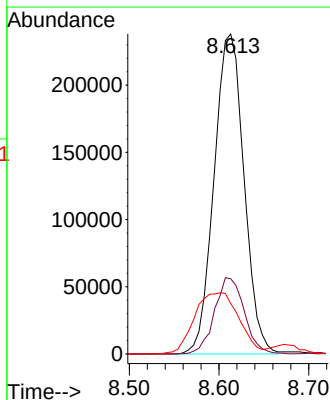
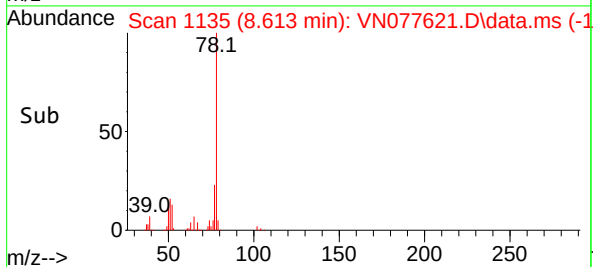
Reviewed By :John Carlone 05/09/2023
Supervised By :Mahesh Dadoda 05/09/2023

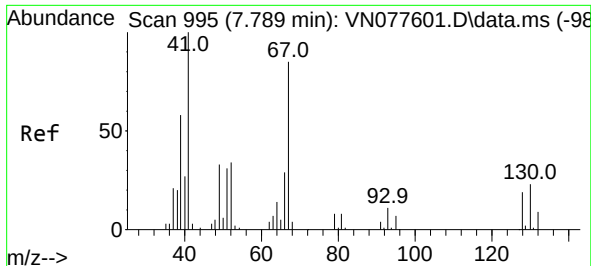


#34
Benzene
Concen: 19.171 ug/l
RT: 8.613 min Scan# 1135
Delta R.T. -0.000 min
Lab File: VN077621.D
Acq: 08 May 2023 17:06



Tgt Ion: 78 Resp: 551475
Ion Ratio Lower Upper
78 100
77 23.4 17.2 25.8
51 14.2 12.3 18.5





#35
Methacrylonitrile
Concen: 22.124 ug/l
RT: 7.790 min Scan# 995
Delta R.T. 0.001 min
Lab File: VN077621.D
Acq: 08 May 2023 17:06

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

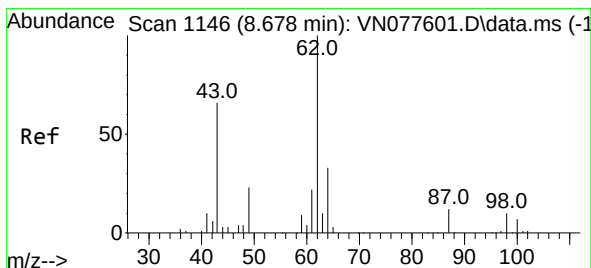
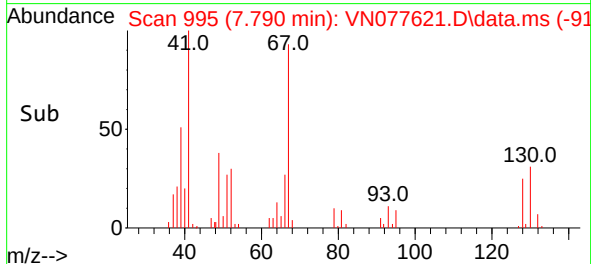
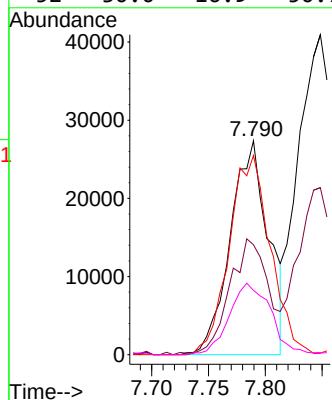
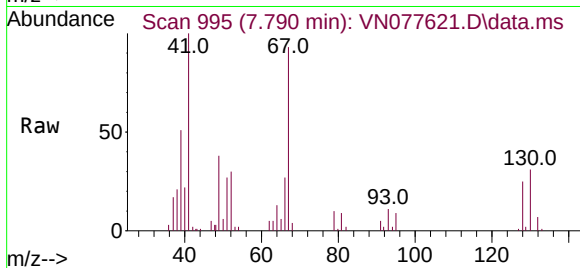
Tgt Ion: 41 Resp: 6376
Ion Ratio Lower Upper
41 100
39 50.4 28.7 86.3
67 93.2 42.7 128.1
52 30.0 16.9 50.7

Manual Integrations

APPROVED

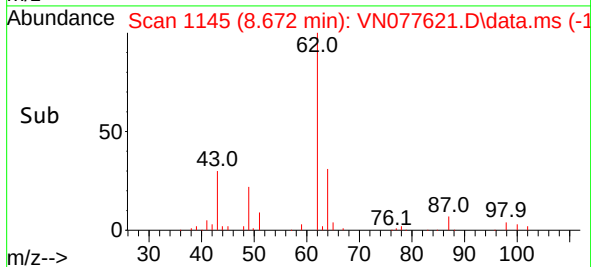
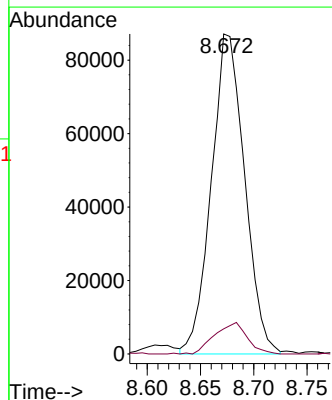
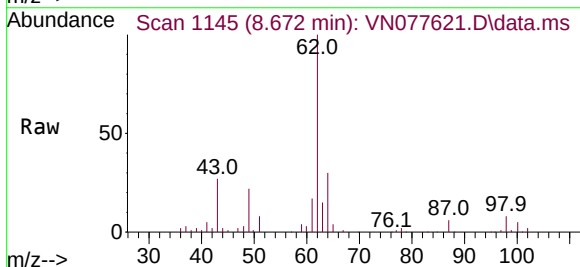
Reviewed By :John Carlone 05/09/2023

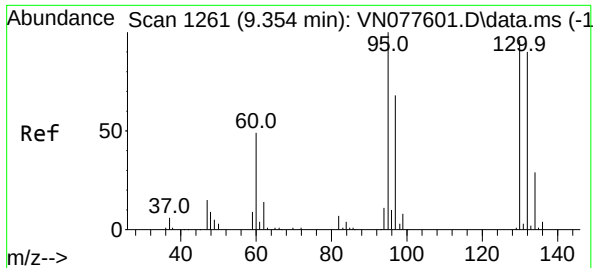
Supervised By :Mahesh Dadoda 05/09/2023



#36
1,2-Dichloroethane
Concen: 19.738 ug/l
RT: 8.672 min Scan# 1145
Delta R.T. -0.006 min
Lab File: VN077621.D
Acq: 08 May 2023 17:06

Tgt Ion: 62 Resp: 189293
Ion Ratio Lower Upper
62 100
98 9.6 7.6 11.4





#37

Trichloroethene

Concen: 18.757 ug/l

RT: 9.354 min Scan# 1304

Delta R.T. 0.000 min

Lab File: VN077621.D

Acq: 08 May 2023 17:06

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tgt Ion:130 Resp: 139478

Ion Ratio Lower Upper

130 100

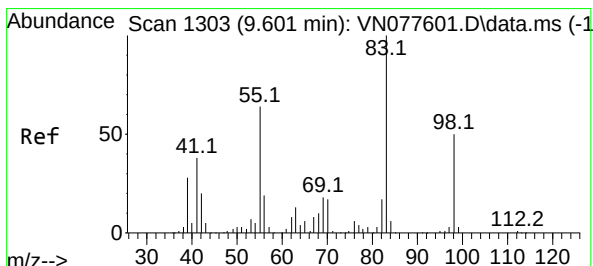
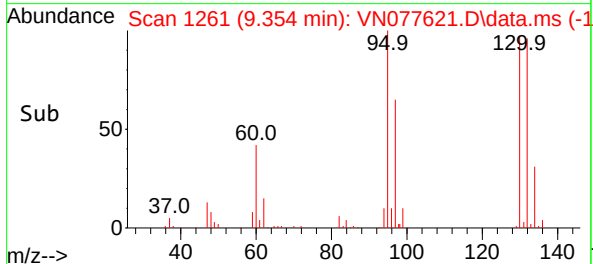
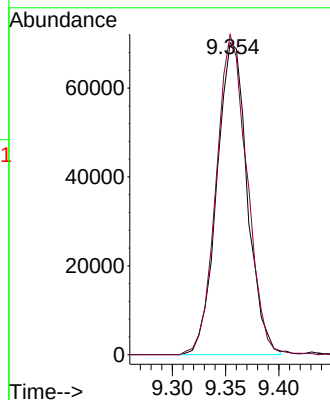
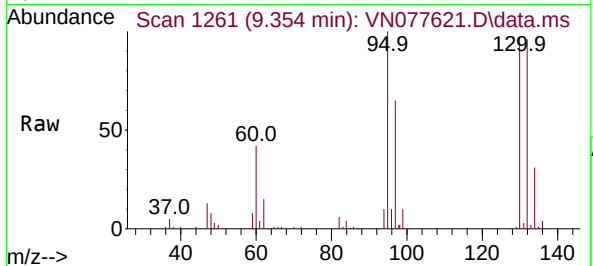
95 102.6 83.0 124.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/09/2023

Supervised By :Mahesh Dadoda 05/09/2023



#38

Methylcyclohexane

Concen: 19.330 ug/l

RT: 9.607 min Scan# 1304

Delta R.T. 0.006 min

Lab File: VN077621.D

Acq: 08 May 2023 17:06

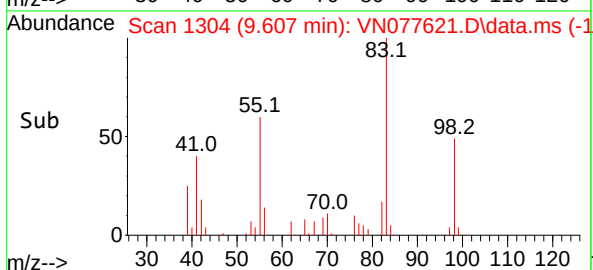
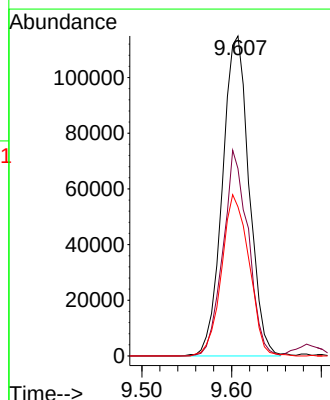
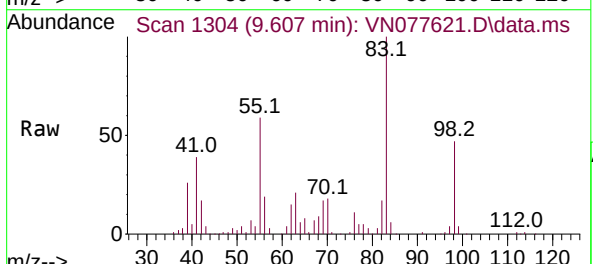
Tgt Ion: 83 Resp: 237105

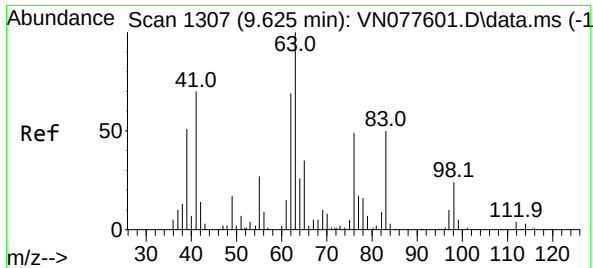
Ion Ratio Lower Upper

83 100

55 60.6 33.6 100.8

98 51.7 25.3 75.8





#39

1,2-Dichloropropane

Concen: 19.319 ug/l

RT: 9.625 min Scan# 1307

Delta R.T. -0.000 min

Lab File: VN077621.D

Acq: 08 May 2023 17:06

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tgt Ion: 63 Resp: 128660

Ion Ratio Lower Upper

63 100

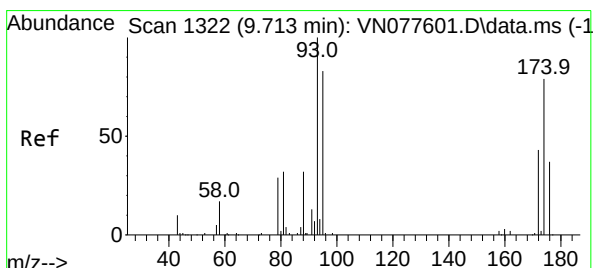
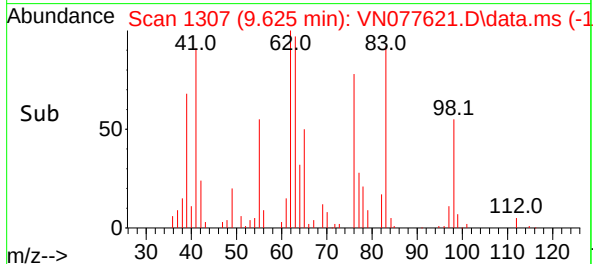
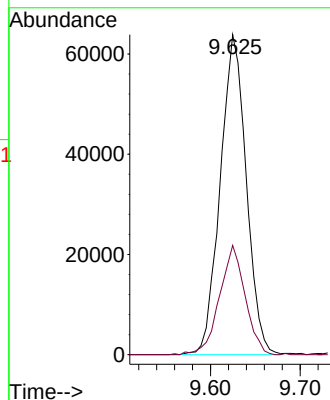
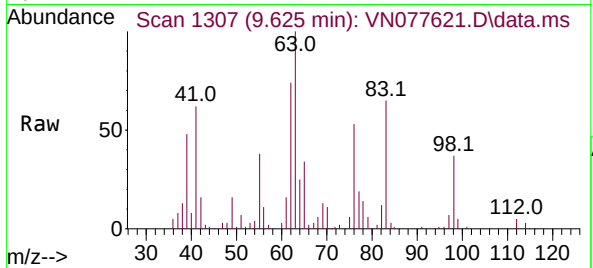
65 34.1 28.2 42.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/09/2023

Supervised By :Mahesh Dadoda 05/09/2023



#40

Dibromomethane

Concen: 18.896 ug/l

RT: 9.713 min Scan# 1322

Delta R.T. -0.000 min

Lab File: VN077621.D

Acq: 08 May 2023 17:06

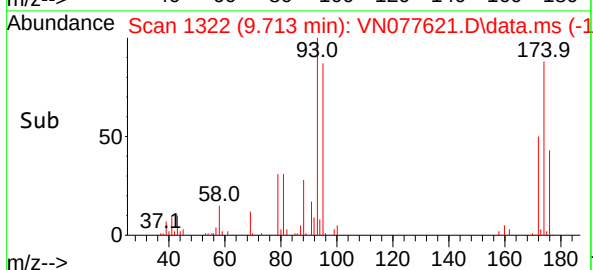
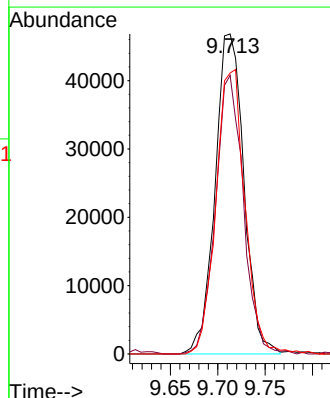
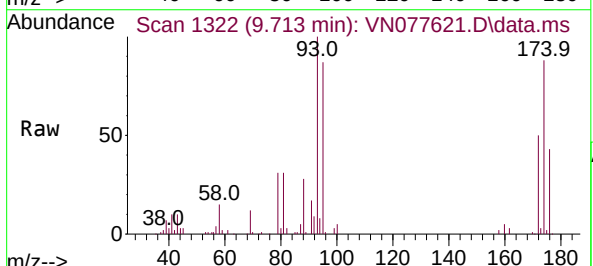
Tgt Ion: 93 Resp: 99214

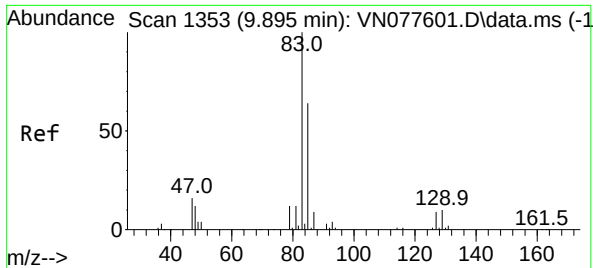
Ion Ratio Lower Upper

93 100

95 83.6 0.0 164.0

174 89.3 0.0 157.0





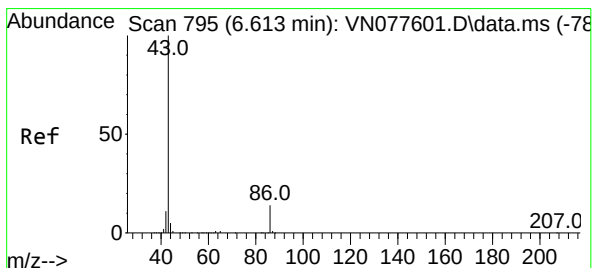
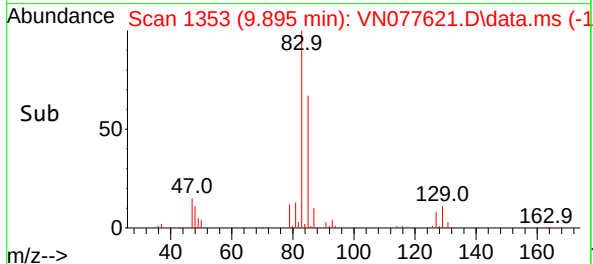
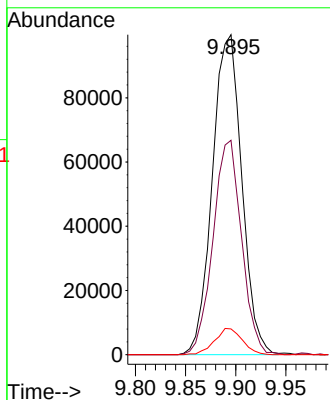
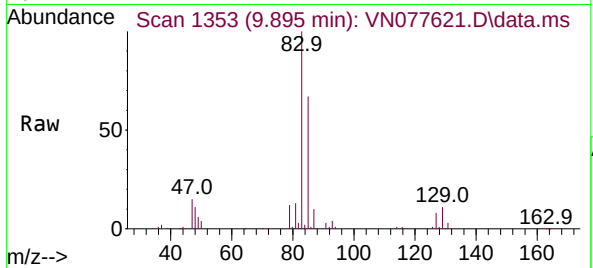
#41
Bromodichloromethane
Concen: 19.255 ug/l
RT: 9.895 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN077621.D
Acq: 08 May 2023 17:06

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tgt Ion: 83 Resp: 20357
Ion Ratio Lower Upper
83 100
85 67.0 51.2 76.8
127 8.0 7.3 10.9

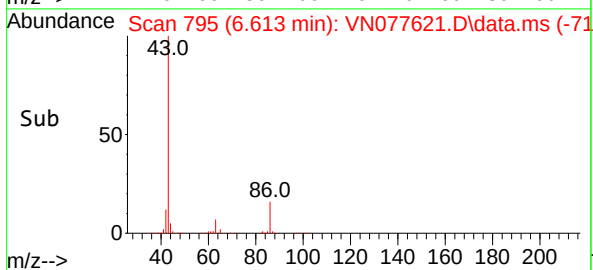
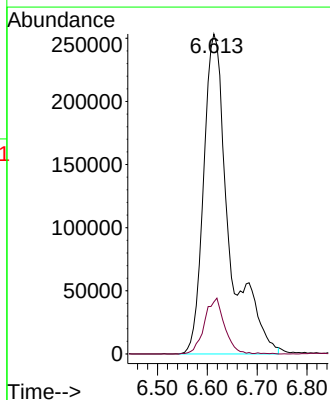
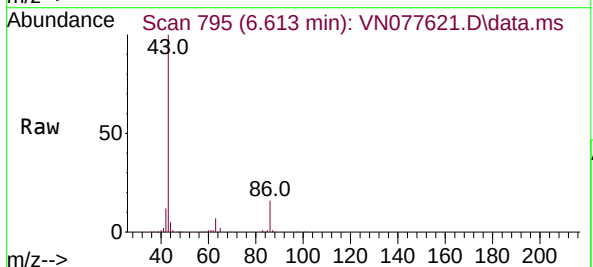
Manual Integrations
APPROVED

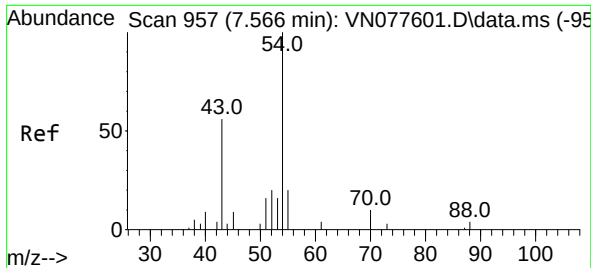
Reviewed By :John Carlone 05/09/2023
Supervised By :Mahesh Dadoda 05/09/2023



#42
Vinyl Acetate
Concen: 95.616 ug/l m
RT: 6.613 min Scan# 795
Delta R.T. 0.000 min
Lab File: VN077621.D
Acq: 08 May 2023 17:06

Tgt Ion: 43 Resp: 900652
Ion Ratio Lower Upper
43 100
86 13.7 10.3 15.5





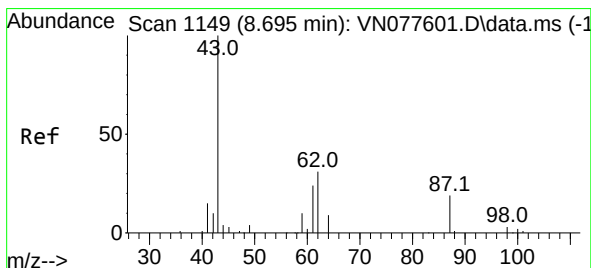
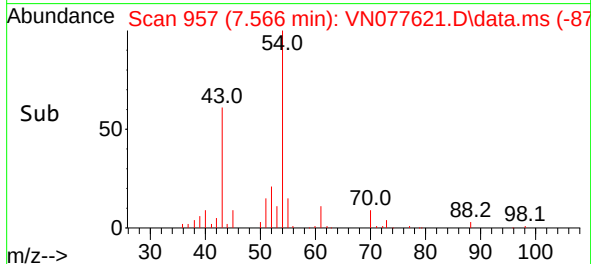
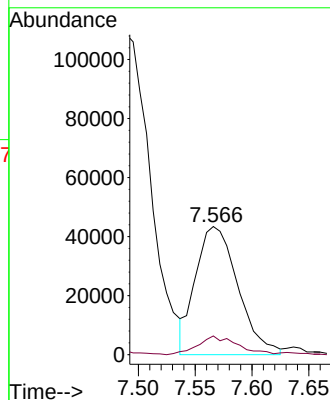
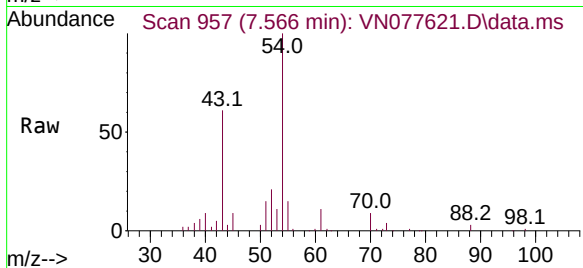
#43
Ethyl Acetate
Concen: 20.627 ug/l
RT: 7.566 min Scan# 911
Delta R.T. 0.000 min
Lab File: VN077621.D
Acq: 08 May 2023 17:06

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tgt Ion: 43 Resp: 11256
Ion Ratio Lower Upper
43 100
45 13.5 8.2 12.4

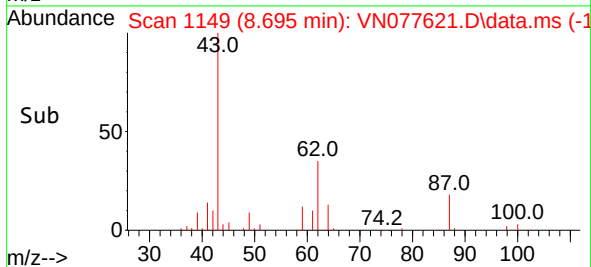
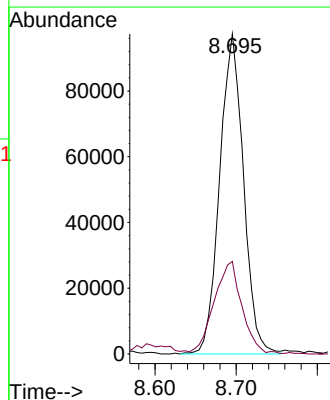
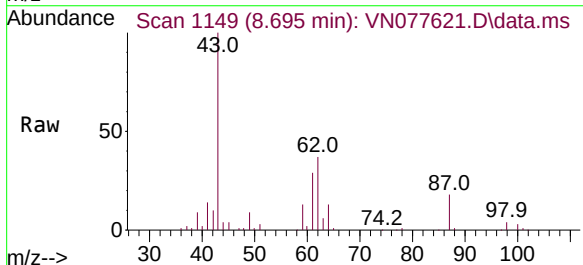
Manual Integrations
APPROVED

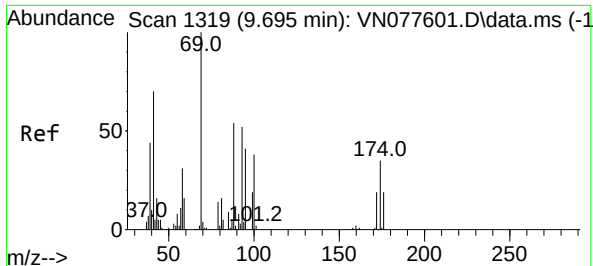
Reviewed By :John Carlone 05/09/2023
Supervised By :Mahesh Dadoda 05/09/2023



#44
Isopropyl Acetate
Concen: 19.862 ug/l
RT: 8.695 min Scan# 1149
Delta R.T. 0.000 min
Lab File: VN077621.D
Acq: 08 May 2023 17:06

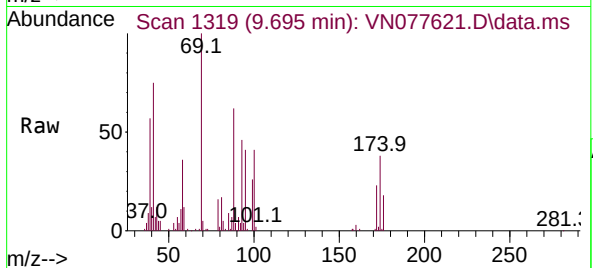
Tgt Ion: 43 Resp: 198469
Ion Ratio Lower Upper
43 100
61 33.6 23.2 34.8





#45
1,4-Dioxane
Concen: 423.638 ug/l
RT: 9.695 min Scan# 1319
Delta R.T. 0.000 min
Lab File: VN077621.D
Acq: 08 May 2023 17:06

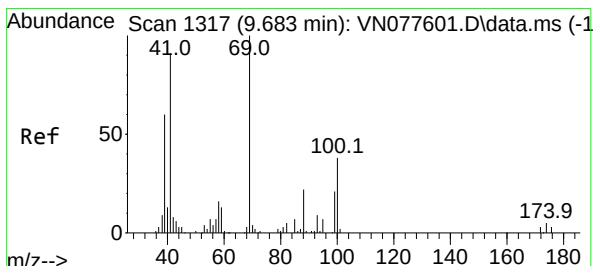
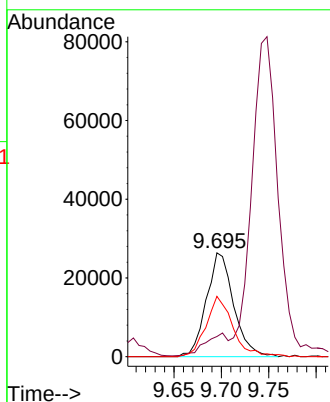
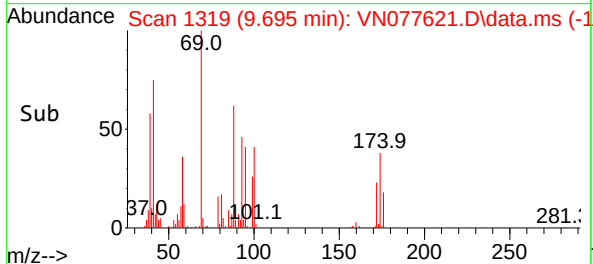
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



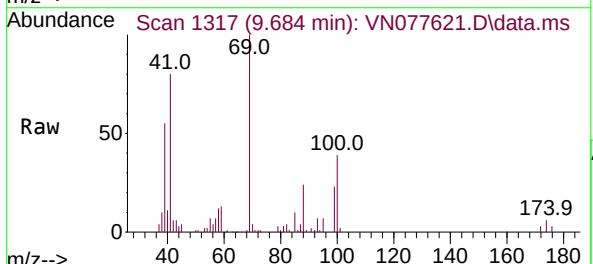
Tgt Ion: 88 Resp: 52619
Ion Ratio Lower Upper
88 100
43 17.9 18.2 27.2
58 56.1 47.5 71.3

Manual Integrations
APPROVED

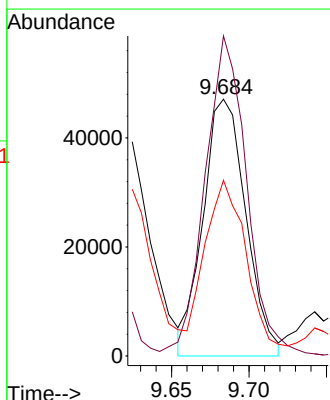
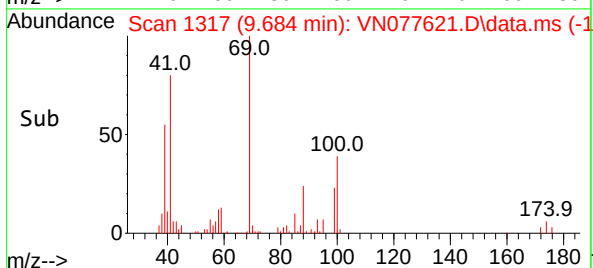
Reviewed By :John Carlone 05/09/2023
Supervised By :Mahesh Dadoda 05/09/2023

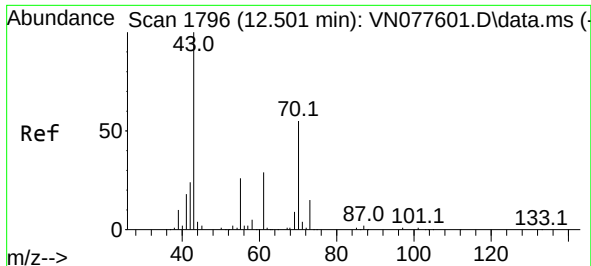


#46
Methyl methacrylate
Concen: 20.179 ug/l
RT: 9.684 min Scan# 1317
Delta R.T. 0.001 min
Lab File: VN077621.D
Acq: 08 May 2023 17:06



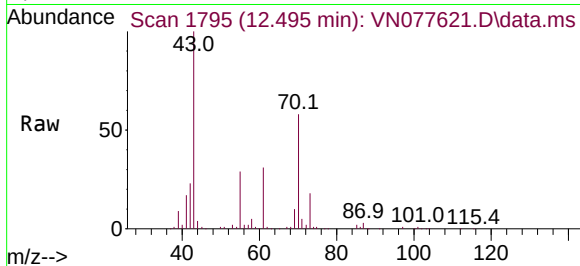
Tgt Ion: 41 Resp: 90555
Ion Ratio Lower Upper
41 100
69 125.5 52.0 156.0
39 67.2 33.6 100.6





#47
n-amyl Acetate
Concen: 19.754 ug/l
RT: 12.495 min Scan# 1795
Delta R.T. -0.006 min
Lab File: VN077621.D
Acq: 08 May 2023 17:06

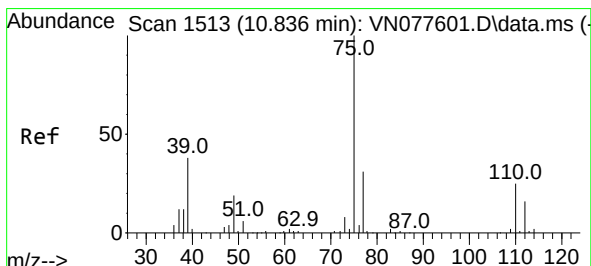
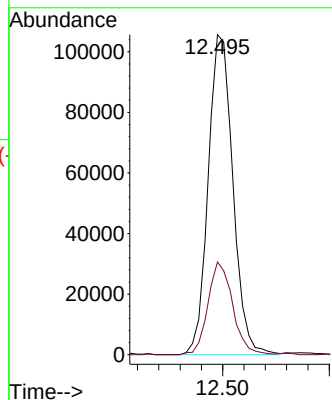
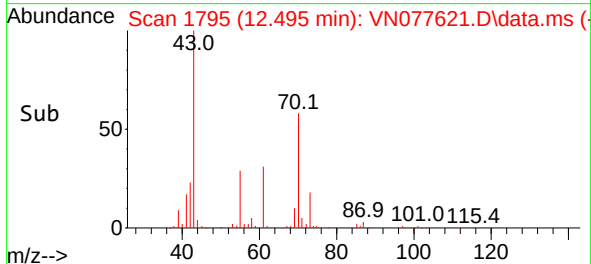
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



Tgt Ion: 43 Resp: 17000
Ion Ratio Lower Upper
43 100
55 28.9 21.4 32.0

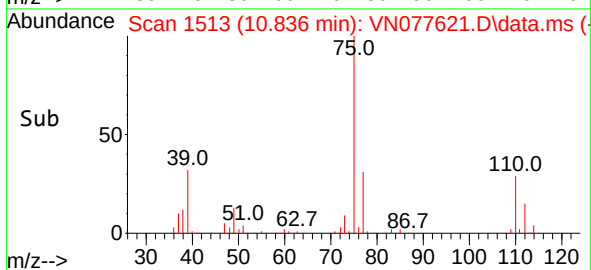
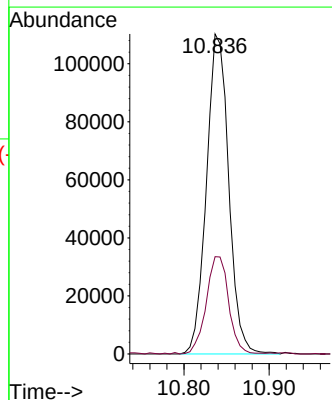
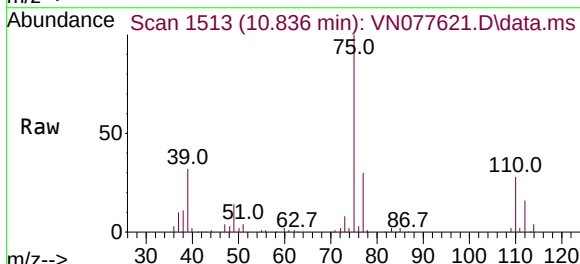
Manual Integrations
APPROVED

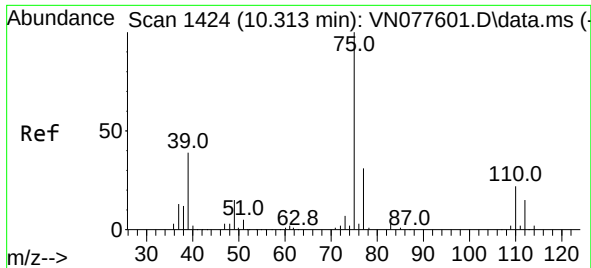
Reviewed By :John Carlone 05/09/2023
Supervised By :Mahesh Dadoda 05/09/2023



#48
t-1,3-Dichloropropene
Concen: 18.758 ug/l
RT: 10.836 min Scan# 1513
Delta R.T. 0.000 min
Lab File: VN077621.D
Acq: 08 May 2023 17:06

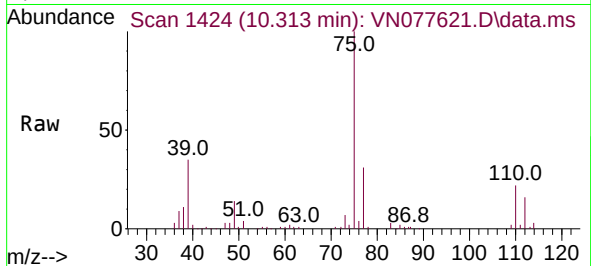
Tgt Ion: 75 Resp: 199939
Ion Ratio Lower Upper
75 100
77 30.4 25.1 37.7





#49
cis-1,3-Dichloropropene
Concen: 19.183 ug/l
RT: 10.313 min Scan# 1424
Delta R.T. -0.000 min
Lab File: VN077621.D
Acq: 08 May 2023 17:06

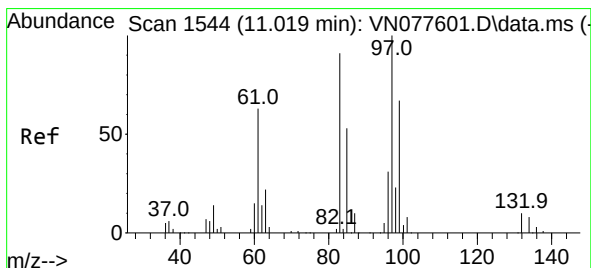
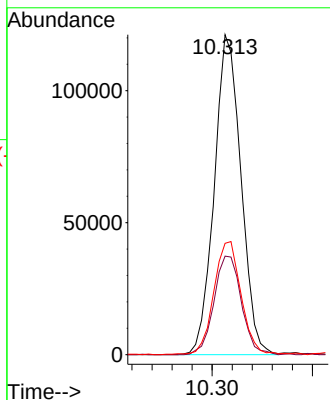
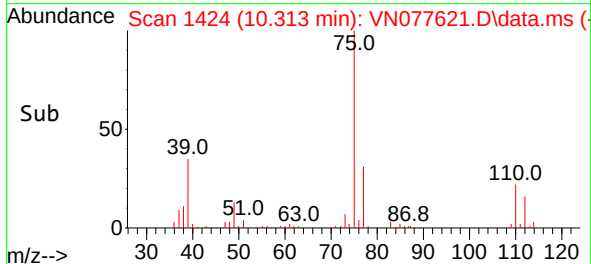
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



Tgt Ion: 75 Resp: 22410
Ion Ratio Lower Upper
75 100
77 30.8 24.7 37.1
39 34.5 31.0 46.6

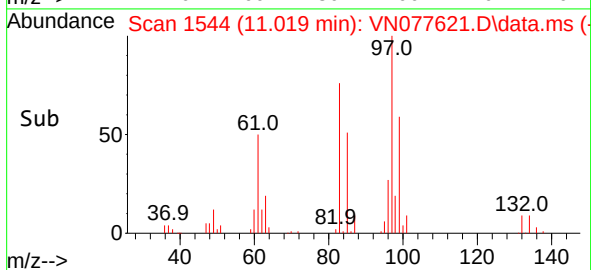
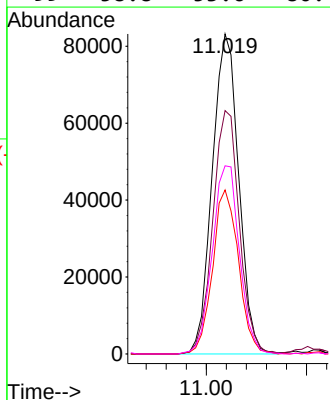
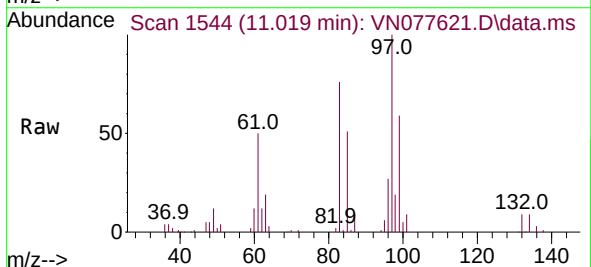
Manual Integrations
APPROVED

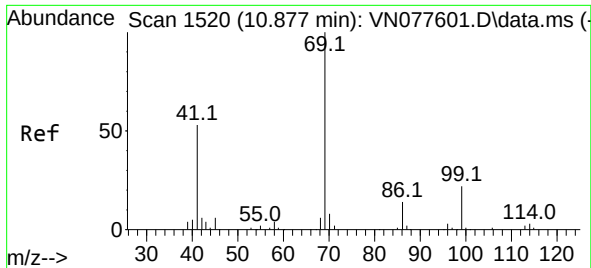
Reviewed By :John Carlone 05/09/2023
Supervised By :Mahesh Dadoda 05/09/2023



#50
1,1,2-Trichloroethane
Concen: 20.179 ug/l
RT: 11.019 min Scan# 1544
Delta R.T. -0.000 min
Lab File: VN077621.D
Acq: 08 May 2023 17:06

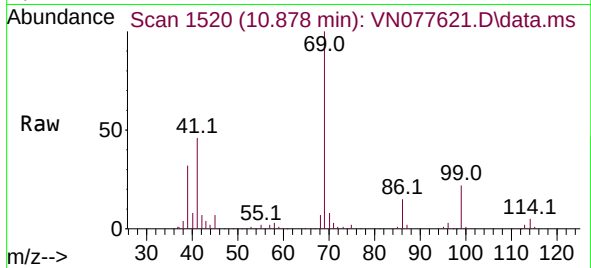
Tgt Ion: 97 Resp: 152580
Ion Ratio Lower Upper
97 100
83 76.1 72.6 108.8
85 51.2 42.6 63.8
99 58.8 53.6 80.4





#51
Ethyl methacrylate
Concen: 19.956 ug/l
RT: 10.878 min Scan# 1520
Delta R.T. 0.001 min
Lab File: VN077621.D
Acq: 08 May 2023 17:06

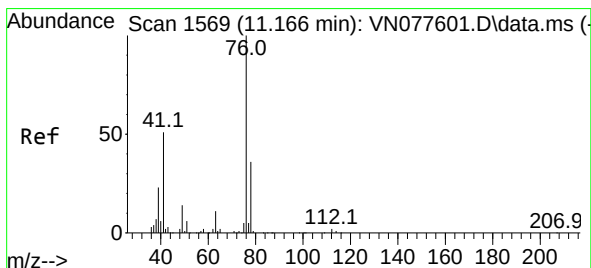
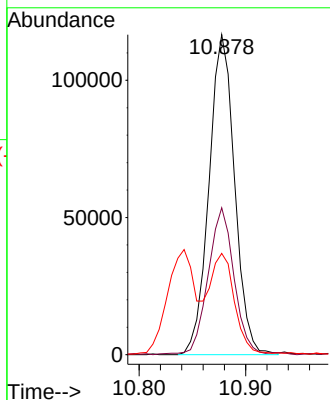
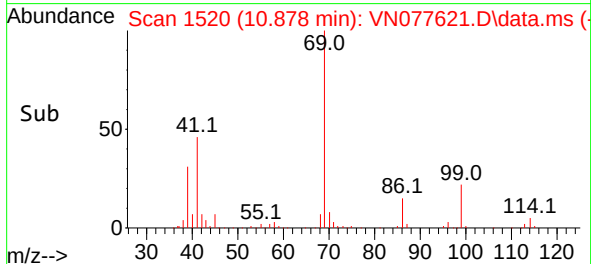
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



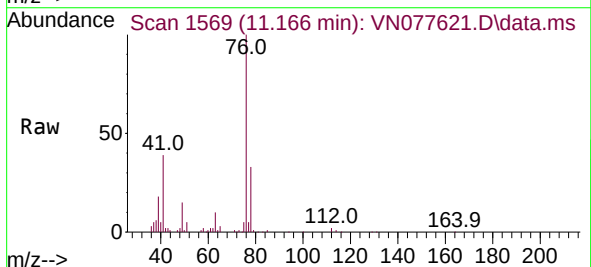
Tgt Ion: 69 Resp: 194784
Ion Ratio Lower Upper
69 100
41 45.4 26.3 78.9
39 30.8 18.1 54.1

Manual Integrations
APPROVED

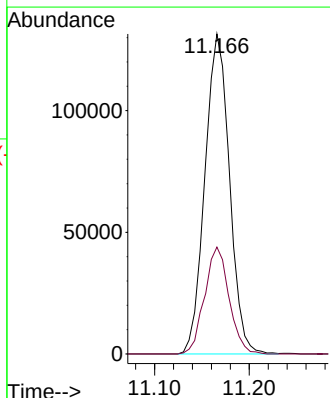
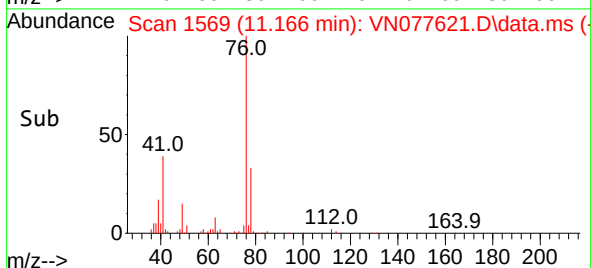
Reviewed By :John Carlone 05/09/2023
Supervised By :Mahesh Dadoda 05/09/2023

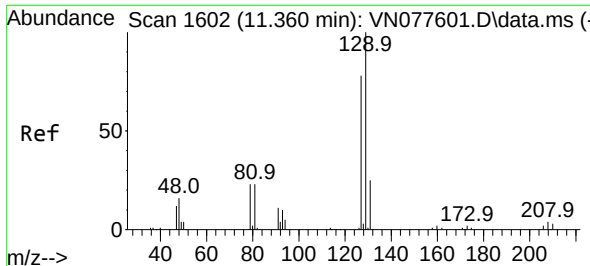


#52
1,3-Dichloropropane
Concen: 19.402 ug/l
RT: 11.166 min Scan# 1569
Delta R.T. -0.000 min
Lab File: VN077621.D
Acq: 08 May 2023 17:06



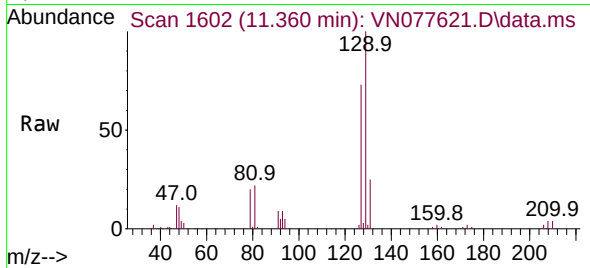
Tgt Ion: 76 Resp: 237198
Ion Ratio Lower Upper
76 100
78 33.2 0.0 66.4





#53
Dibromochloromethane
Concen: 19.358 ug/l
RT: 11.360 min Scan# 1602
Delta R.T. -0.000 min
Lab File: VN077621.D
Acq: 08 May 2023 17:06

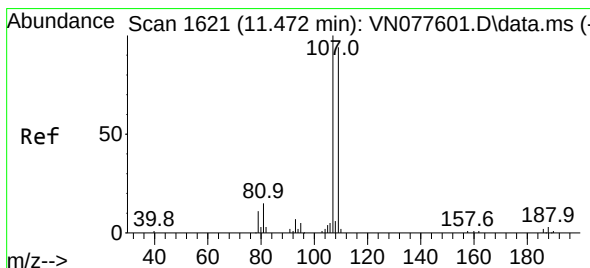
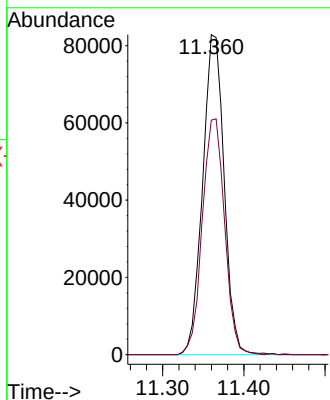
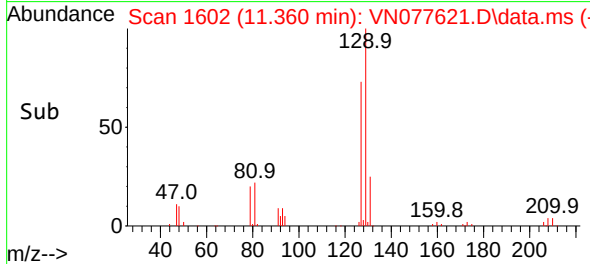
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



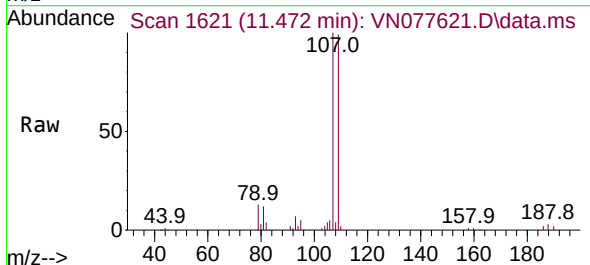
Tgt Ion:129 Resp: 152285
Ion Ratio Lower Upper
129 100
127 76.4 39.4 118.1

Manual Integrations
APPROVED

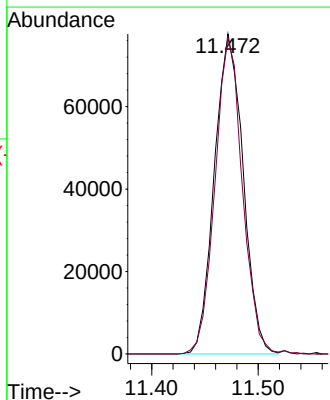
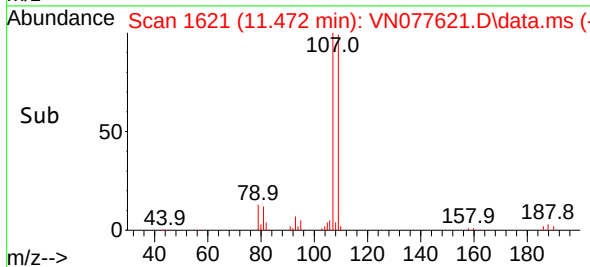
Reviewed By :John Carlone 05/09/2023
Supervised By :Mahesh Dadoda 05/09/2023

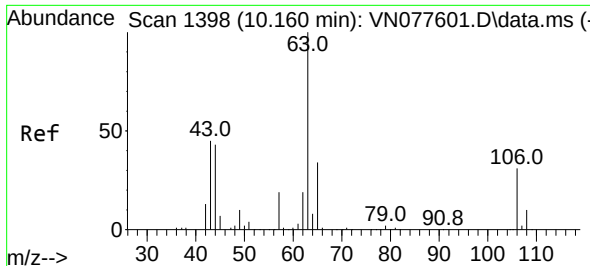


#54
1,2-Dibromoethane
Concen: 19.359 ug/l
RT: 11.472 min Scan# 1621
Delta R.T. -0.000 min
Lab File: VN077621.D
Acq: 08 May 2023 17:06



Tgt Ion:107 Resp: 145402
Ion Ratio Lower Upper
107 100
109 93.9 77.4 116.2





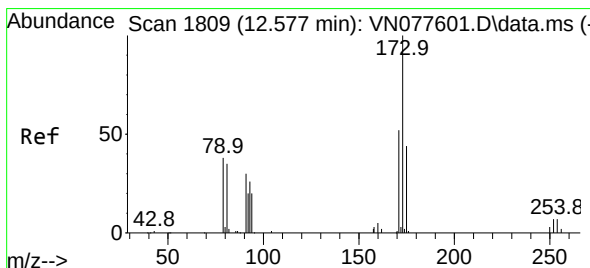
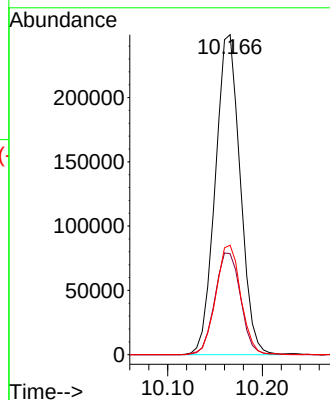
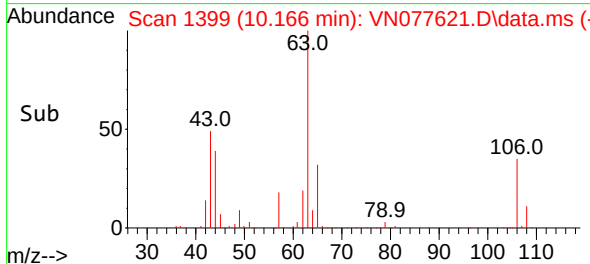
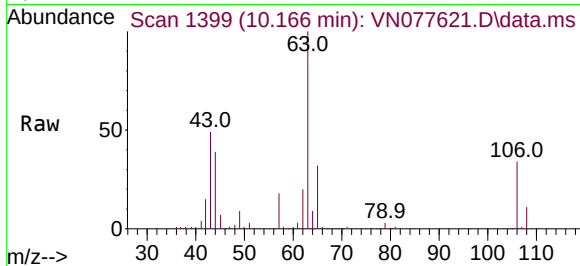
#55
2-Chloroethyl vinyl ether
Concen: 103.186 ug/l
RT: 10.166 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN077621.D
Acq: 08 May 2023 17:06

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tgt Ion: 63 Resp: 45545
Ion Ratio Lower Upper
63 100
65 32.9 26.8 40.2
106 34.2 25.6 38.4

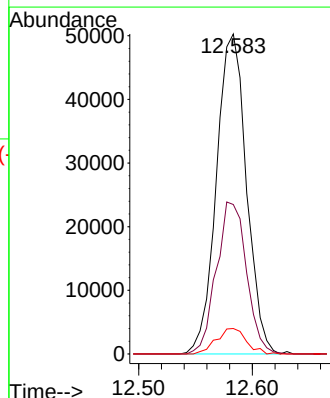
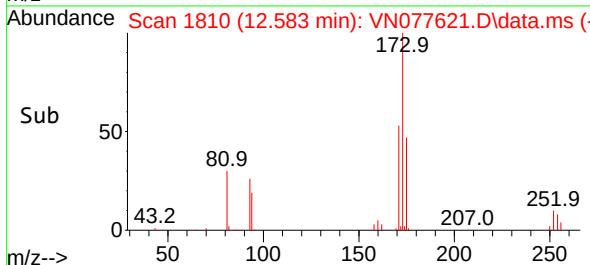
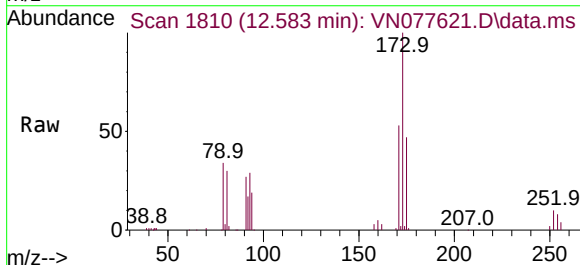
Manual Integrations
APPROVED

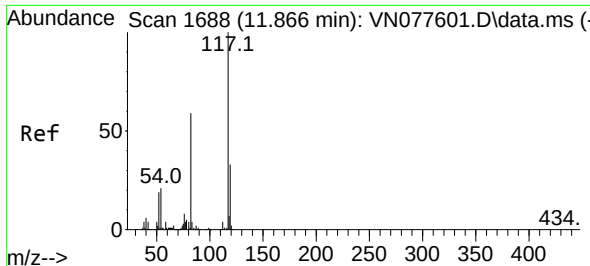
Reviewed By :John Carlone 05/09/2023
Supervised By :Mahesh Dadoda 05/09/2023



#56
Bromoform
Concen: 19.923 ug/l
RT: 12.583 min Scan# 1810
Delta R.T. 0.006 min
Lab File: VN077621.D
Acq: 08 May 2023 17:06

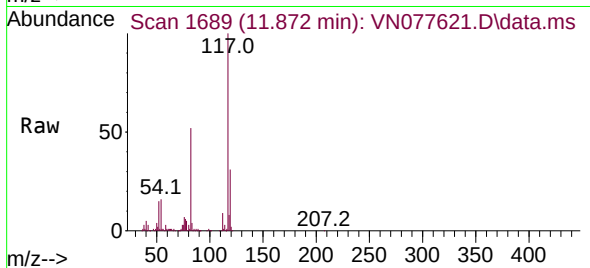
Tgt Ion:173 Resp: 92221
Ion Ratio Lower Upper
173 100
175 47.6 39.4 59.2
254 7.9 5.8 8.6





#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.872 min Scan# 1689
Delta R.T. 0.006 min
Lab File: VN077621.D
Acq: 08 May 2023 17:06

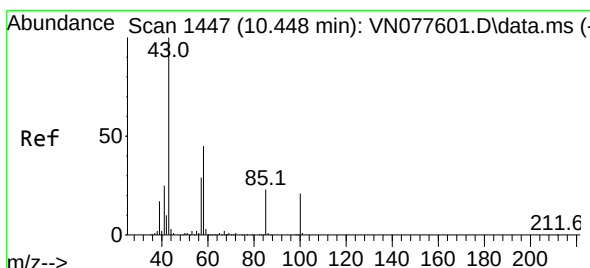
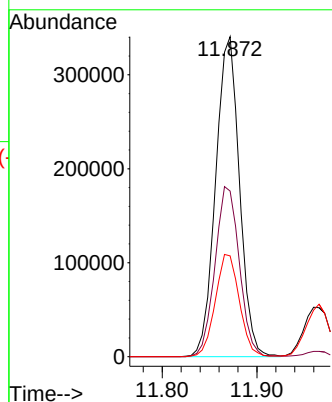
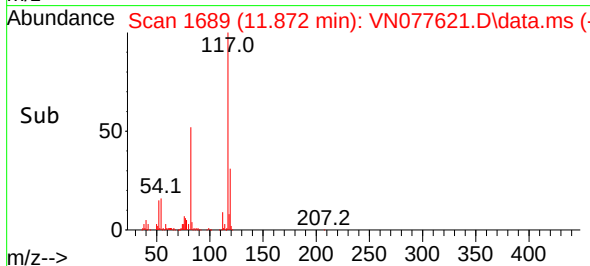
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



Tgt Ion:117 Resp: 595348
Ion Ratio Lower Upper
117 100
82 54.3 47.4 71.2
119 32.3 26.6 39.8

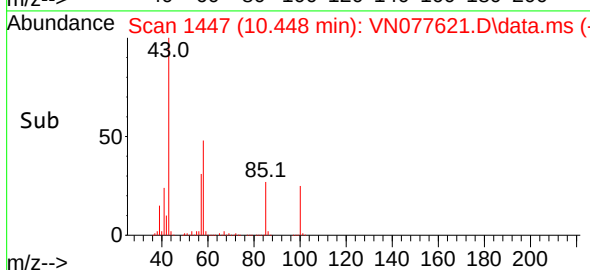
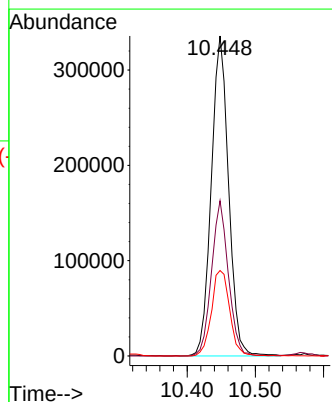
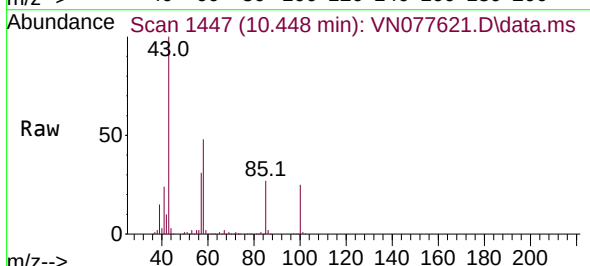
Manual Integrations
APPROVED

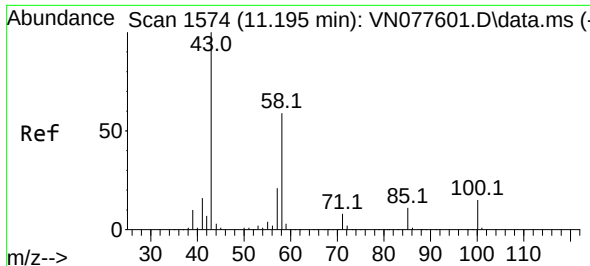
Reviewed By :John Carlone 05/09/2023
Supervised By :Mahesh Dadoda 05/09/2023



#58
4-Methyl-2-Pentanone
Concen: 108.148 ug/l
RT: 10.448 min Scan# 1447
Delta R.T. 0.000 min
Lab File: VN077621.D
Acq: 08 May 2023 17:06

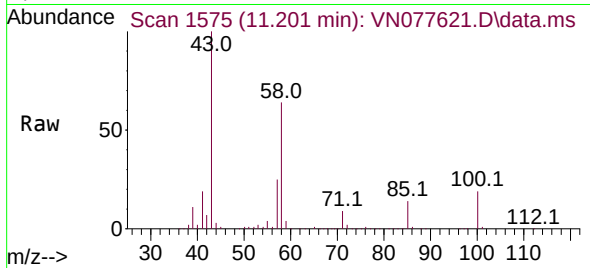
Tgt Ion: 43 Resp: 592927
Ion Ratio Lower Upper
43 100
58 47.4 35.4 53.2
85 28.1 18.2 27.2#





#59
2-Hexanone
Concen: 108.716 ug/l
RT: 11.201 min Scan# 1575
Delta R.T. 0.006 min
Lab File: VN077621.D
Acq: 08 May 2023 17:06

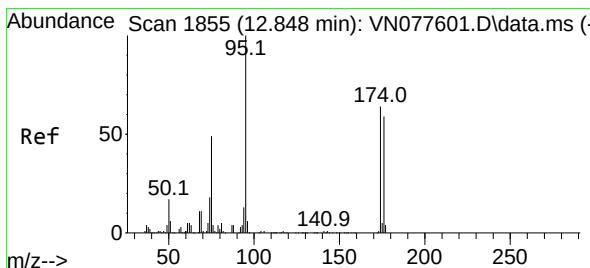
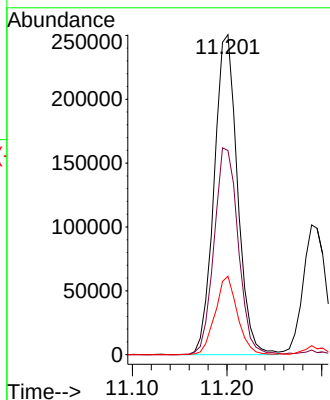
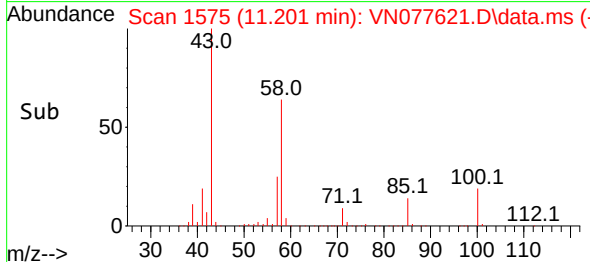
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



Tgt Ion: 43 Resp: 430258
Ion Ratio Lower Upper
43 100
58 66.3 48.2 72.2
57 23.4 17.3 25.9

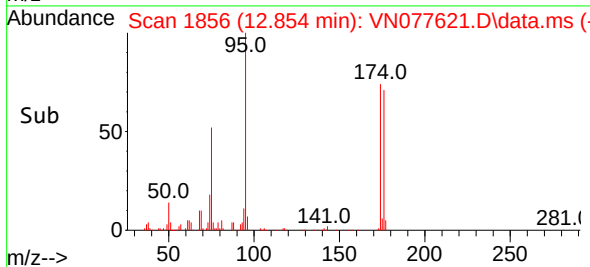
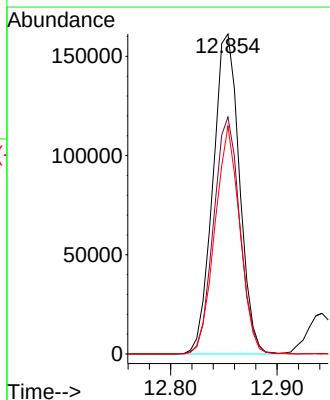
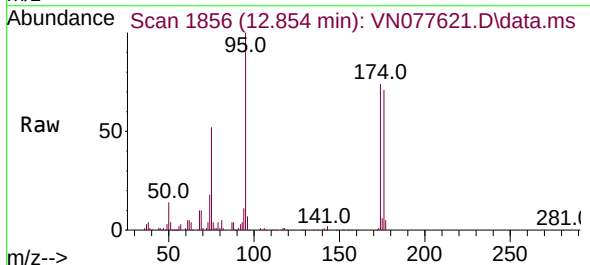
Manual Integrations
APPROVED

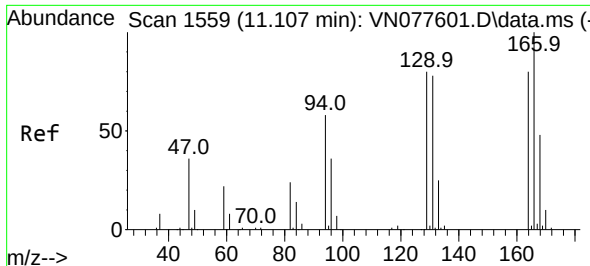
Reviewed By :John Carlone 05/09/2023
Supervised By :Mahesh Dadoda 05/09/2023



#60
4-Bromofluorobenzene
Concen: 29.489 ug/l
RT: 12.854 min Scan# 1856
Delta R.T. 0.006 min
Lab File: VN077621.D
Acq: 08 May 2023 17:06

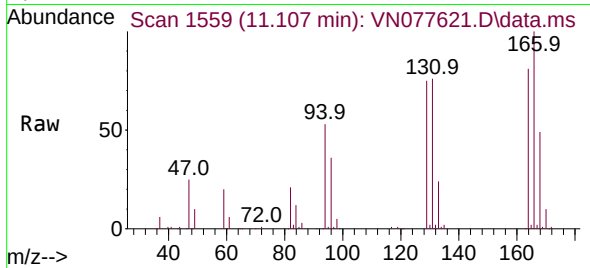
Tgt Ion: 95 Resp: 279156
Ion Ratio Lower Upper
95 100
174 73.0 53.4 80.0
176 67.0 50.0 75.0





#61
Tetrachloroethene
Concen: 20.076 ug/l
RT: 11.107 min Scan# 1559
Delta R.T. -0.000 min
Lab File: VN077621.D
Acq: 08 May 2023 17:06

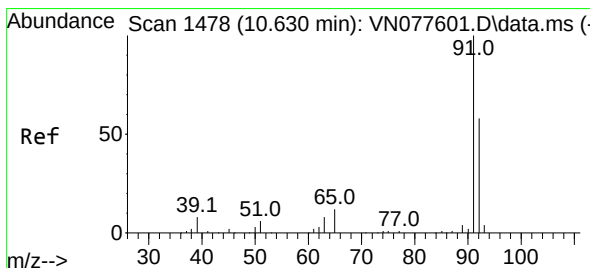
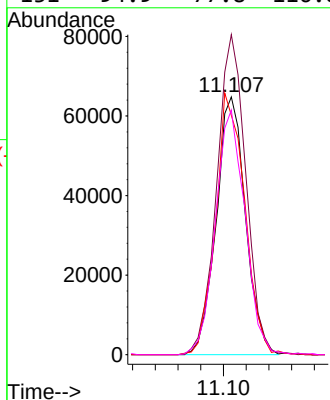
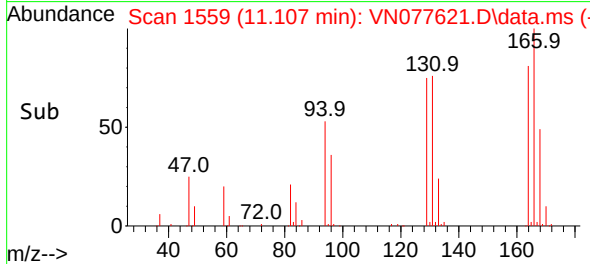
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



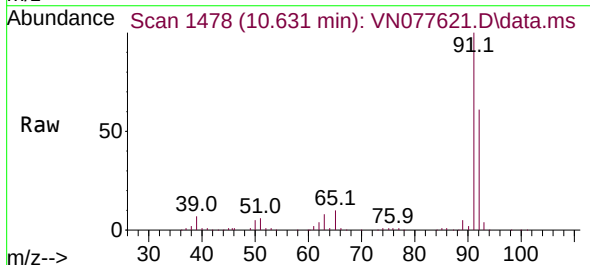
Tgt Ion:164 Resp: 115610
Ion Ratio Lower Upper
164 100
166 124.2 100.5 150.7
129 92.9 80.6 120.8
131 94.9 77.8 116.8

Manual Integrations
APPROVED

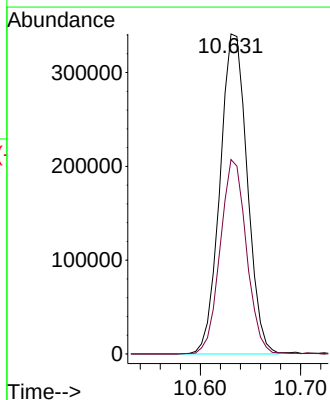
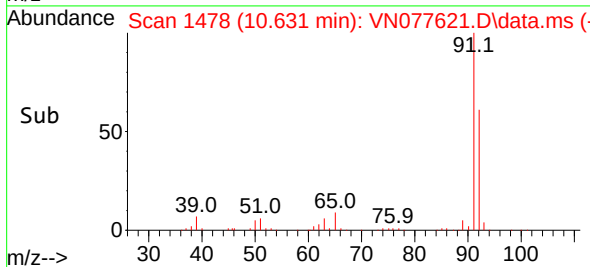
Reviewed By :John Carlone 05/09/2023
Supervised By :Mahesh Dadoda 05/09/2023

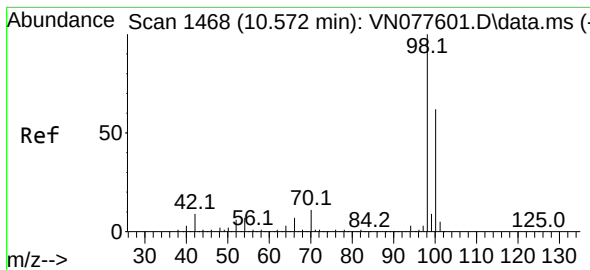


#62
Toluene
Concen: 19.547 ug/l
RT: 10.631 min Scan# 1478
Delta R.T. 0.000 min
Lab File: VN077621.D
Acq: 08 May 2023 17:06



Tgt Ion: 91 Resp: 644277
Ion Ratio Lower Upper
91 100
92 58.0 47.0 70.6





#63

Toluene-d8

Concen: 29.988 ug/l

RT: 10.566 min Scan# 1467

Delta R.T. -0.006 min

Lab File: VN077621.D

Acq: 08 May 2023 17:06

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tgt Ion: 98 Resp: 82458

Ion Ratio Lower Upper

98 100

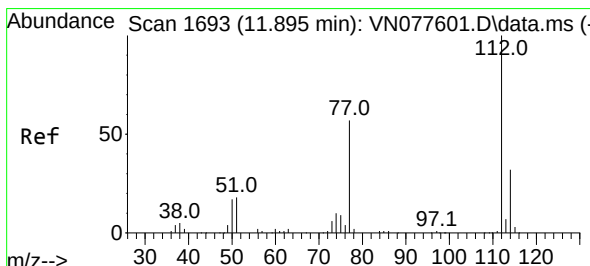
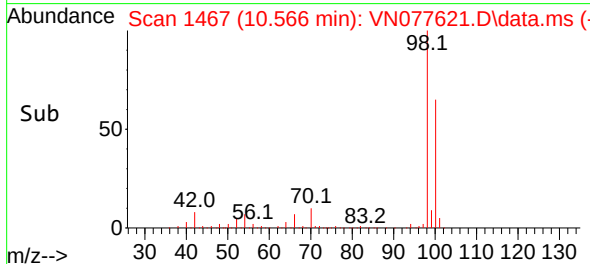
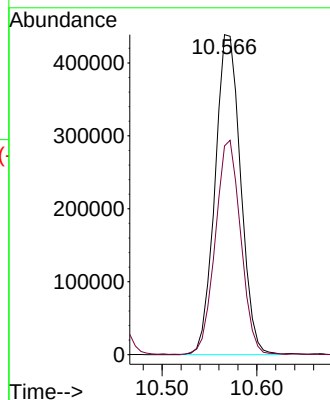
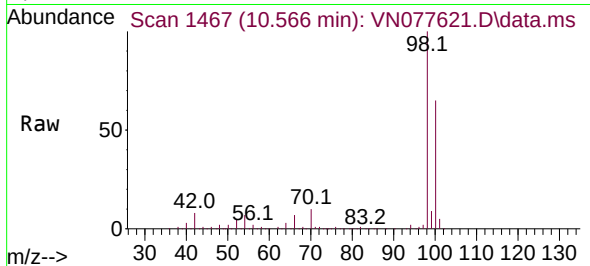
100 66.5 52.1 78.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/09/2023

Supervised By :Mahesh Dadoda 05/09/2023



#64

Chlorobenzene

Concen: 19.381 ug/l

RT: 11.895 min Scan# 1693

Delta R.T. 0.000 min

Lab File: VN077621.D

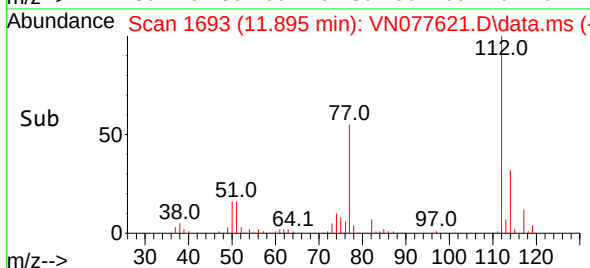
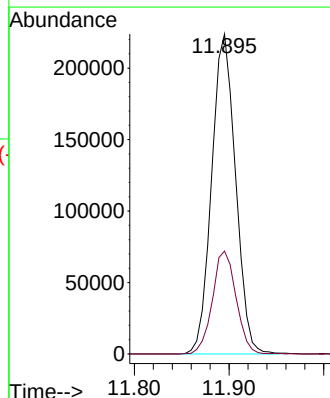
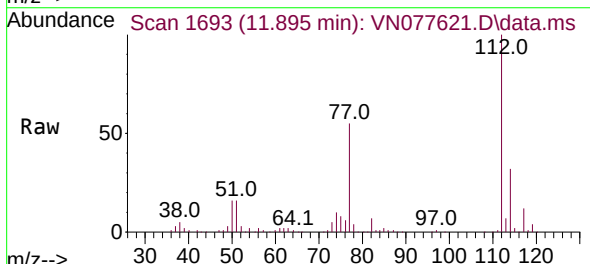
Acq: 08 May 2023 17:06

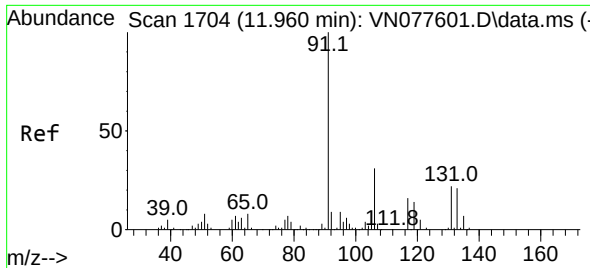
Tgt Ion:112 Resp: 392863

Ion Ratio Lower Upper

112 100

114 32.2 25.8 38.8





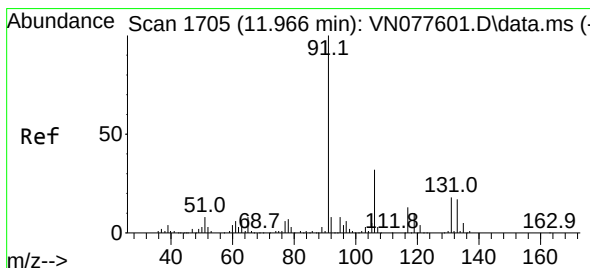
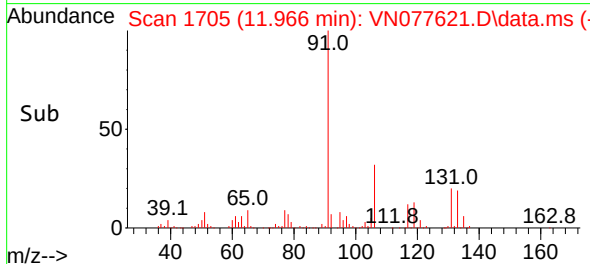
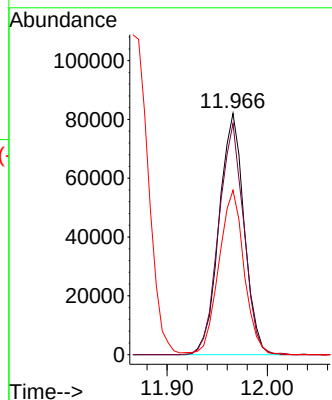
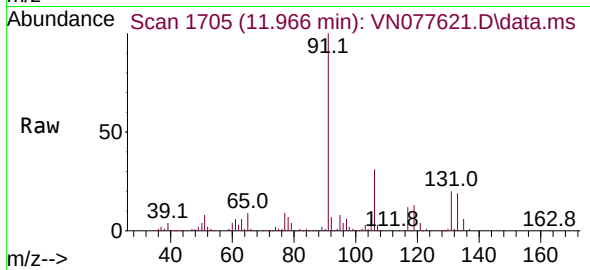
#65
1,1,1,2-Tetrachloroethane
Concen: 19.464 ug/l
RT: 11.966 min Scan# 1705
Delta R.T. 0.006 min
Lab File: VN077621.D
Acq: 08 May 2023 17:06

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tgt Ion:131 Resp: 14233
Ion Ratio Lower Upper
131 100
133 96.1 0.0 181.2
119 68.8 0.0 125.0

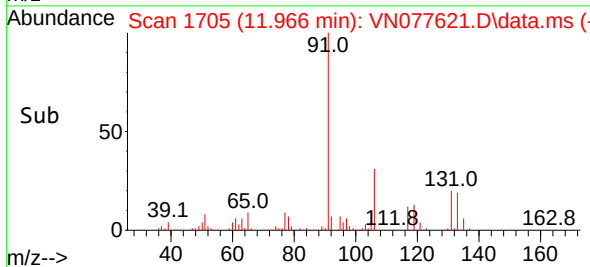
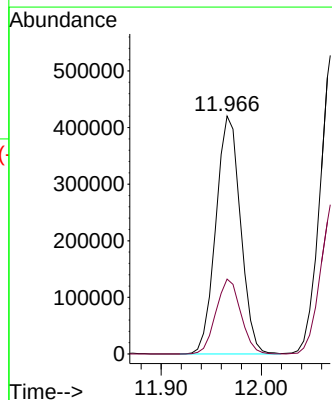
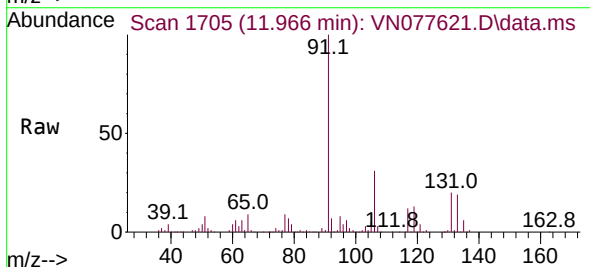
Manual Integrations
APPROVED

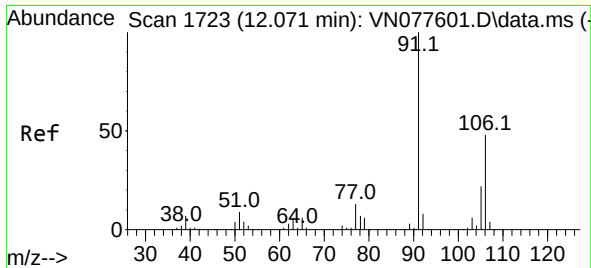
Reviewed By :John Carlone 05/09/2023
Supervised By :Mahesh Dadoda 05/09/2023



#66
Ethyl Benzene
Concen: 19.664 ug/l
RT: 11.966 min Scan# 1705
Delta R.T. -0.000 min
Lab File: VN077621.D
Acq: 08 May 2023 17:06

Tgt Ion: 91 Resp: 718142
Ion Ratio Lower Upper
91 100
106 31.5 25.7 38.5





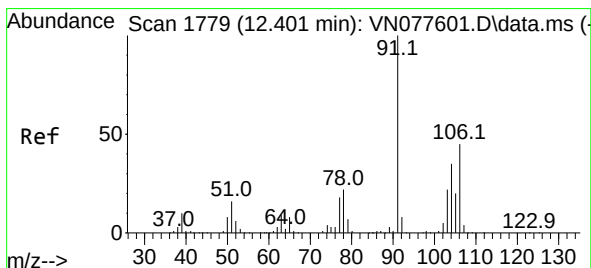
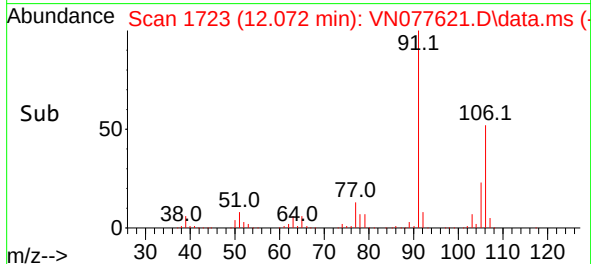
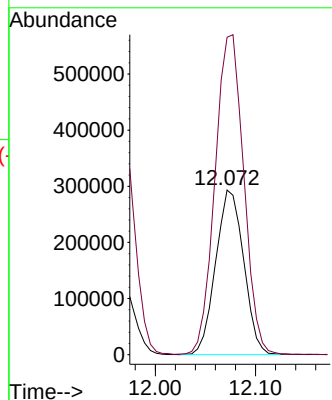
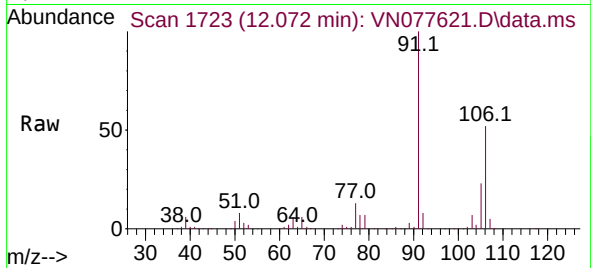
#67
m/p-Xylenes
Concen: 39.528 ug/l
RT: 12.072 min Scan# 1723
Delta R.T. 0.001 min
Lab File: VN077621.D
Acq: 08 May 2023 17:06

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tgt Ion:106 Resp: 567978
Ion Ratio Lower Upper
106 100
91 199.7 162.6 244.0

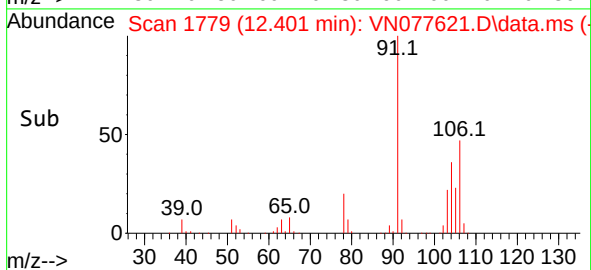
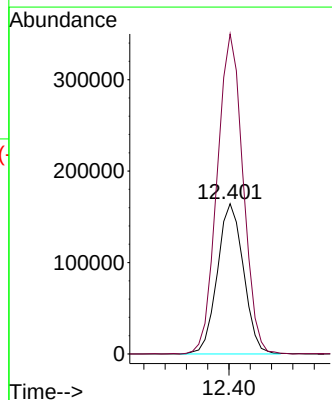
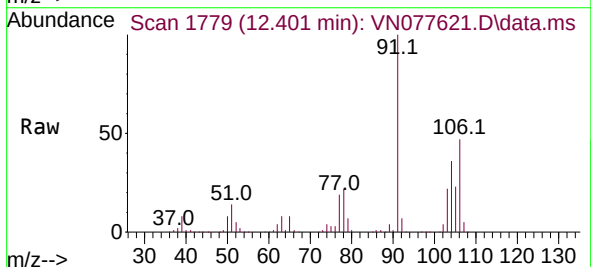
Manual Integrations
APPROVED

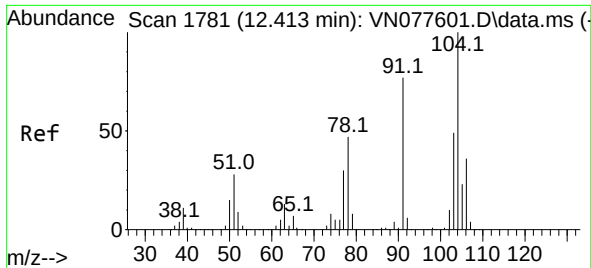
Reviewed By :John Carlone 05/09/2023
Supervised By :Mahesh Dadoda 05/09/2023



#68
o-Xylene
Concen: 19.784 ug/l
RT: 12.401 min Scan# 1779
Delta R.T. -0.000 min
Lab File: VN077621.D
Acq: 08 May 2023 17:06

Tgt Ion:106 Resp: 280148
Ion Ratio Lower Upper
106 100
91 211.2 109.5 328.4





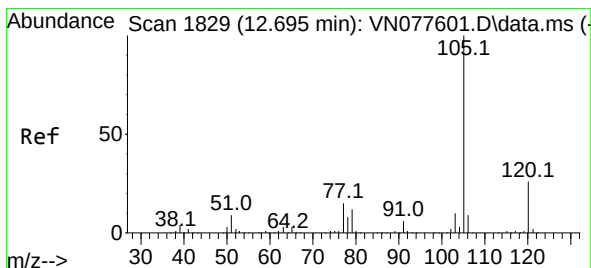
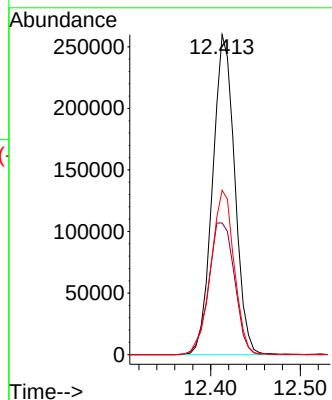
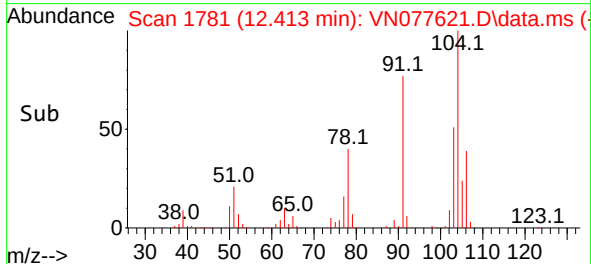
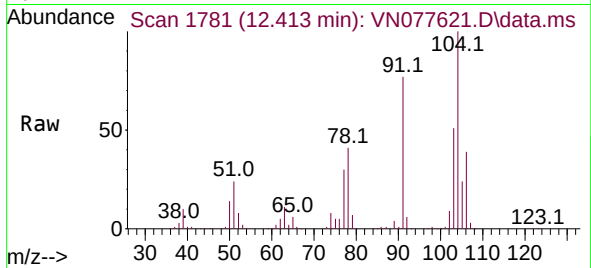
#69
Styrene
Concen: 19.658 ug/l
RT: 12.413 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN077621.D
Acq: 08 May 2023 17:06

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tgt Ion:104 Resp: 445108
Ion Ratio Lower Upper
104 100
78 48.0 41.3 61.9
103 54.2 44.0 66.0

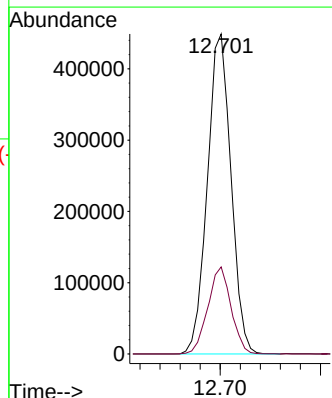
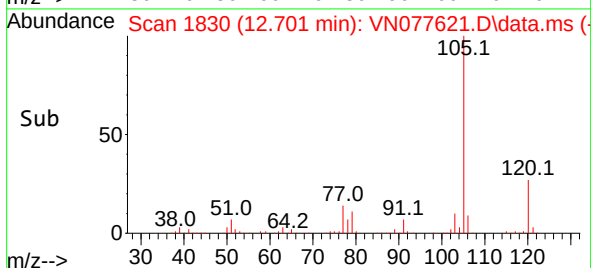
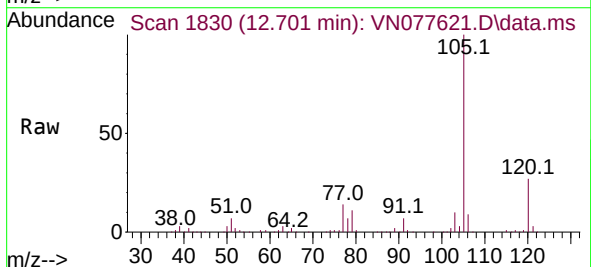
Manual Integrations
APPROVED

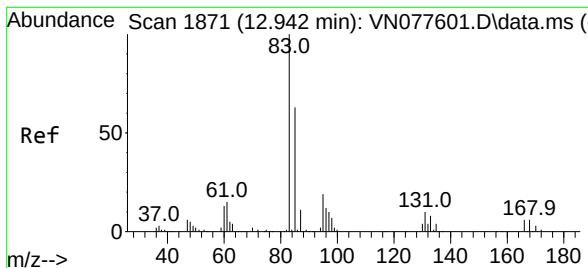
Reviewed By :John Carlone 05/09/2023
Supervised By :Mahesh Dadoda 05/09/2023



#70
Isopropylbenzene
Concen: 20.008 ug/l
RT: 12.701 min Scan# 1830
Delta R.T. 0.006 min
Lab File: VN077621.D
Acq: 08 May 2023 17:06

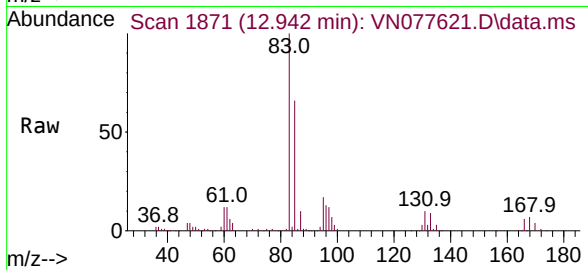
Tgt Ion:105 Resp: 735917
Ion Ratio Lower Upper
105 100
120 26.6 18.5 34.3





#71
1,1,2,2-Tetrachloroethane
Concen: 20.350 ug/l
RT: 12.942 min Scan# 1871
Delta R.T. 0.000 min
Lab File: VN077621.D
Acq: 08 May 2023 17:06

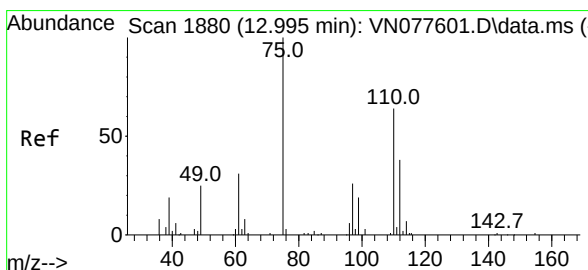
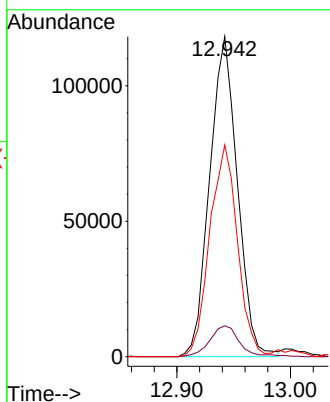
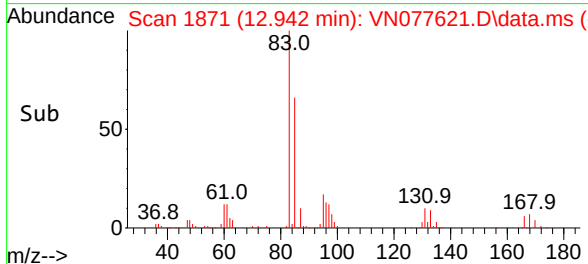
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



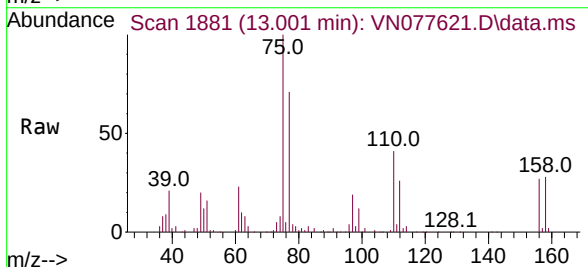
Tgt Ion: 83 Resp: 200725
Ion Ratio Lower Upper
83 100
131 10.0 4.8 14.3
85 65.9 33.4 100.2

Manual Integrations
APPROVED

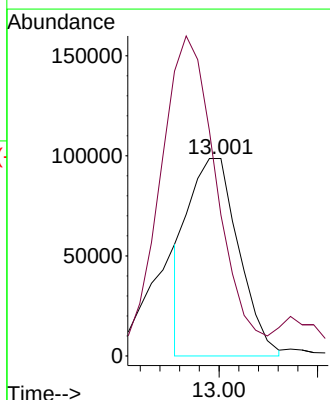
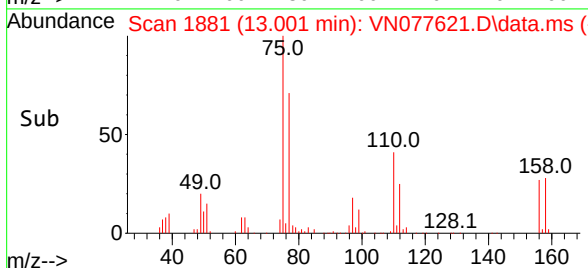
Reviewed By :John Carlone 05/09/2023
Supervised By :Mahesh Dadoda 05/09/2023

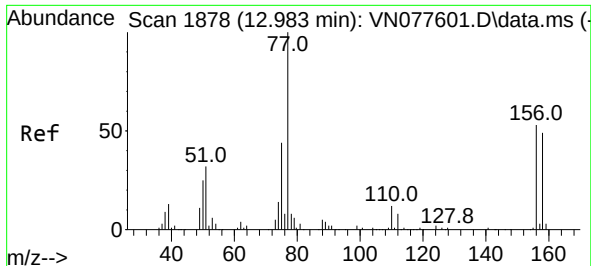


#72
1,2,3-Trichloropropane
Concen: 21.408 ug/l m
RT: 13.001 min Scan# 1881
Delta R.T. 0.006 min
Lab File: VN077621.D
Acq: 08 May 2023 17:06



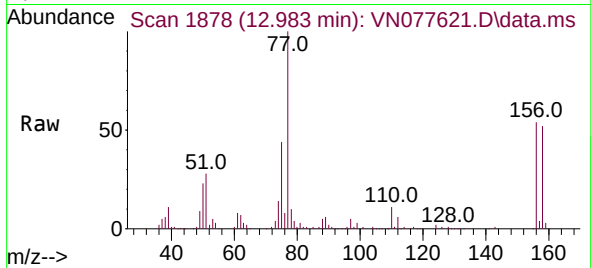
Tgt Ion: 75 Resp: 175695
Ion Ratio Lower Upper
75 100
77 183.5 0.0 354.6





#73
Bromobenzene
Concen: 19.703 ug/l
RT: 12.983 min Scan# 1878
Delta R.T. 0.000 min
Lab File: VN077621.D
Acq: 08 May 2023 17:06

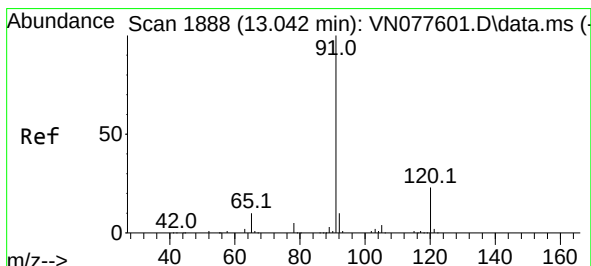
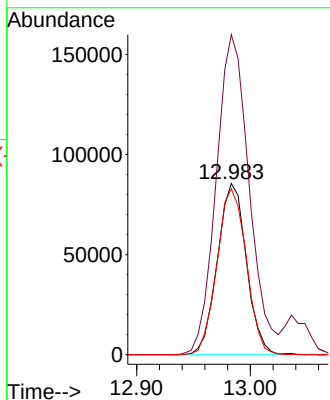
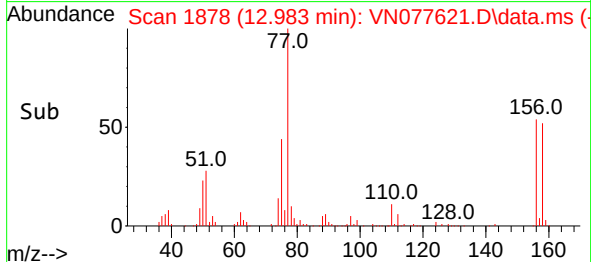
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



Tgt Ion:156 Resp: 151532
Ion Ratio Lower Upper
156 100
77 212.8 0.0 466.4
158 98.1 0.0 196.2

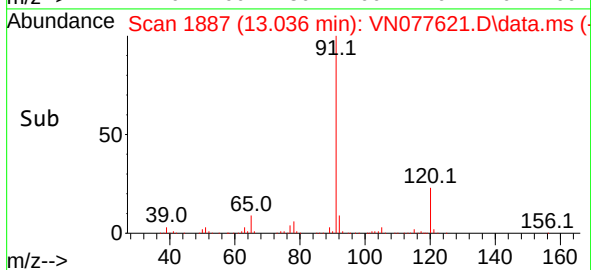
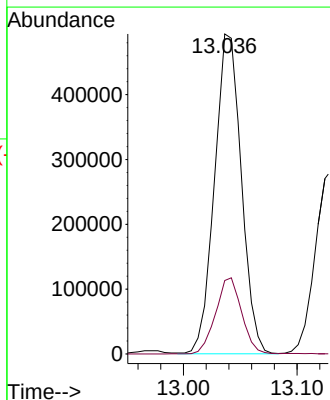
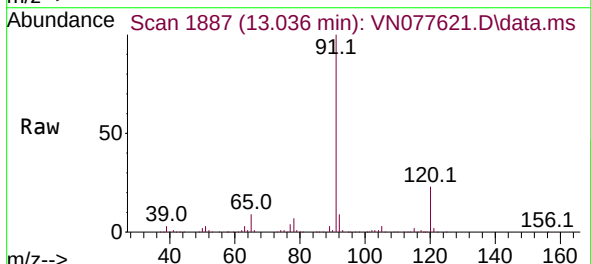
Manual Integrations
APPROVED

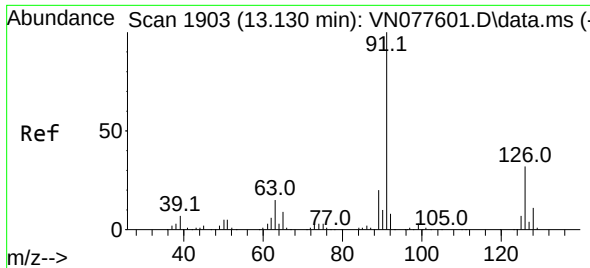
Reviewed By :John Carlone 05/09/2023
Supervised By :Mahesh Dadoda 05/09/2023



#74
n-propylbenzene
Concen: 19.687 ug/l
RT: 13.036 min Scan# 1887
Delta R.T. -0.006 min
Lab File: VN077621.D
Acq: 08 May 2023 17:06

Tgt Ion: 91 Resp: 809634
Ion Ratio Lower Upper
91 100
120 23.0 0.0 45.6





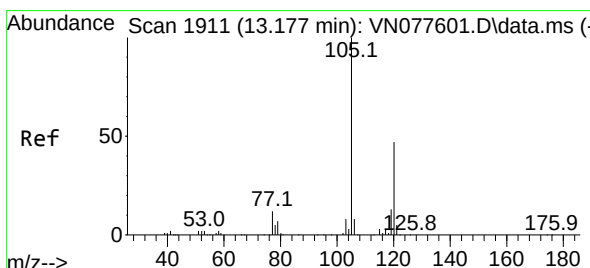
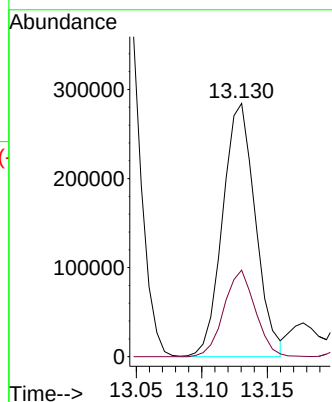
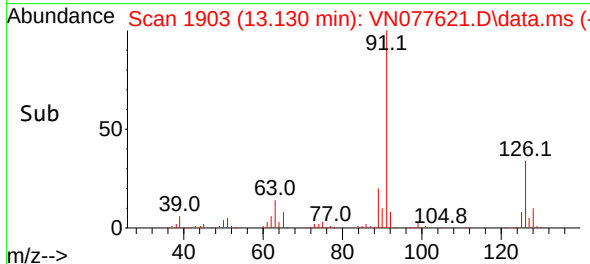
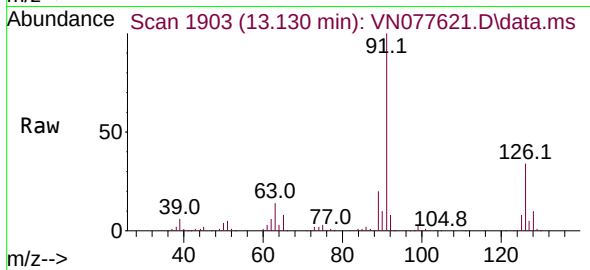
#75
2-Chlorotoluene
Concen: 19.896 ug/l
RT: 13.130 min Scan# 1903
Delta R.T. 0.000 min
Lab File: VN077621.D
Acq: 08 May 2023 17:06

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tgt Ion: 91 Resp: 49487
Ion Ratio Lower Upper
91 100
126 32.6 0.0 65.0

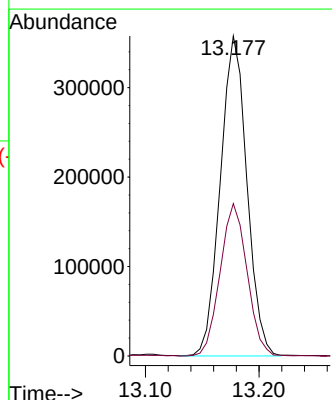
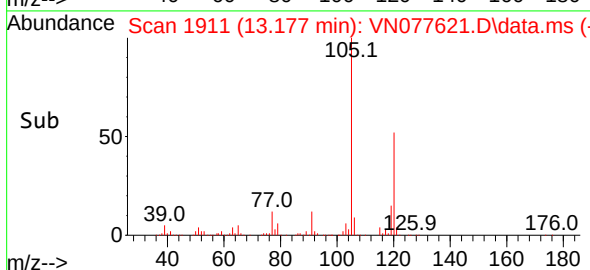
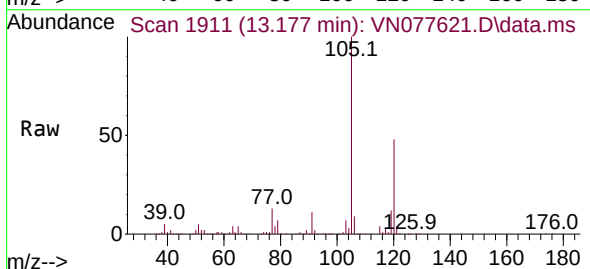
Manual Integrations
APPROVED

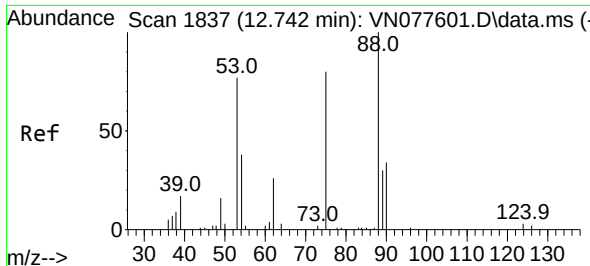
Reviewed By :John Carlone 05/09/2023
Supervised By :Mahesh Dadoda 05/09/2023



#76
1,3,5-Trimethylbenzene
Concen: 20.018 ug/l
RT: 13.177 min Scan# 1911
Delta R.T. 0.000 min
Lab File: VN077621.D
Acq: 08 May 2023 17:06

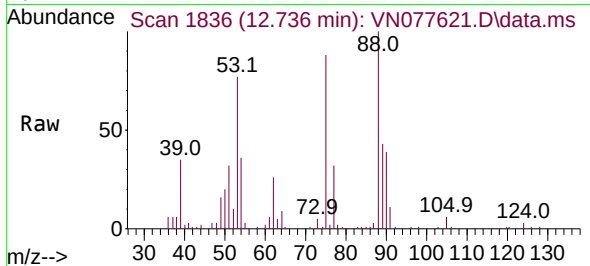
Tgt Ion:105 Resp: 581881
Ion Ratio Lower Upper
105 100
120 48.1 0.0 95.2





#77
t-1,4-Dichloro-2-butene
Concen: 18.834 ug/l
RT: 12.736 min Scan# 1836
Delta R.T. -0.006 min
Lab File: VN077621.D
Acq: 08 May 2023 17:06

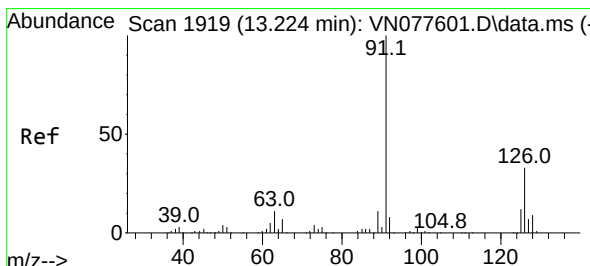
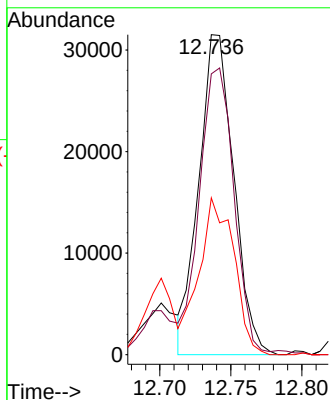
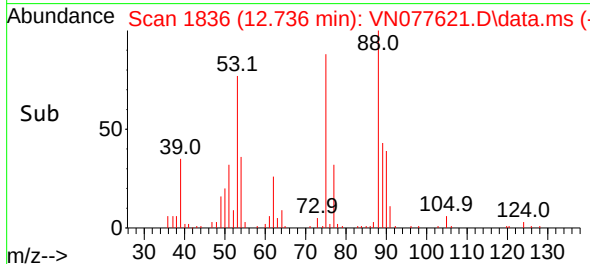
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



Tgt Ion: 75 Resp: 53848
Ion Ratio Lower Upper
75 100
53 86.4 46.9 140.7
89 48.1 21.0 63.0

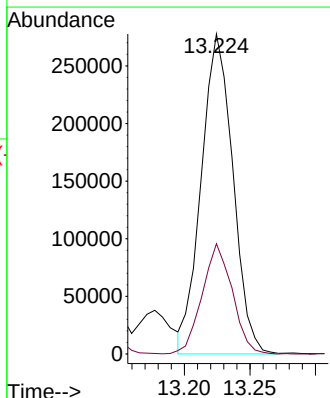
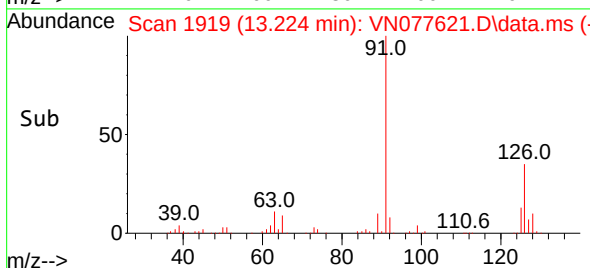
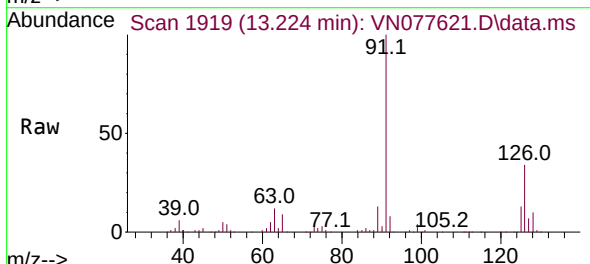
Manual Integrations
APPROVED

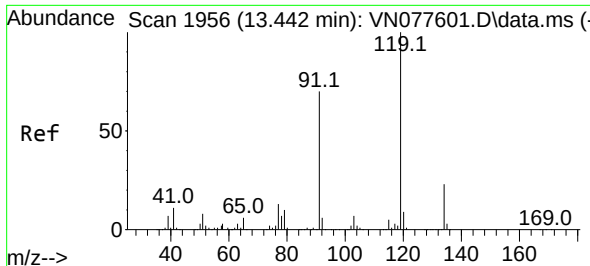
Reviewed By :John Carlone 05/09/2023
Supervised By :Mahesh Dadoda 05/09/2023



#78
4-Chlorotoluene
Concen: 19.184 ug/l
RT: 13.224 min Scan# 1919
Delta R.T. 0.000 min
Lab File: VN077621.D
Acq: 08 May 2023 17:06

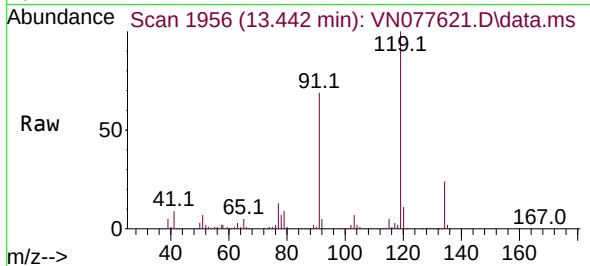
Tgt Ion: 91 Resp: 465901
Ion Ratio Lower Upper
91 100
126 32.8 0.0 64.6





#79
tert-butylbenzene
Concen: 19.876 ug/l
RT: 13.442 min Scan# 1956
Delta R.T. 0.000 min
Lab File: VN077621.D
Acq: 08 May 2023 17:06

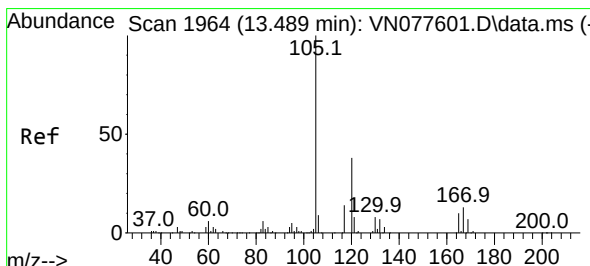
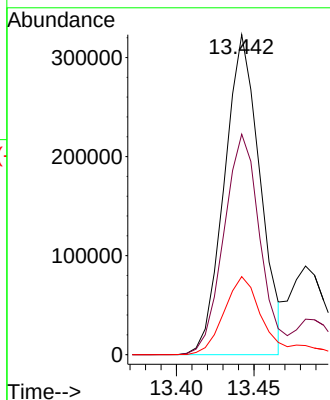
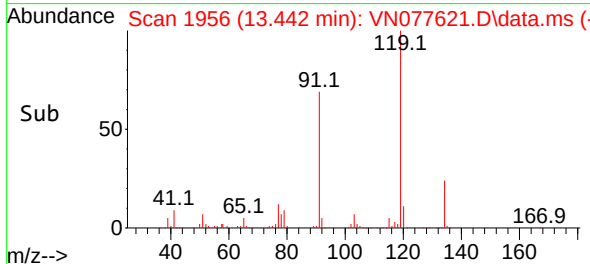
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



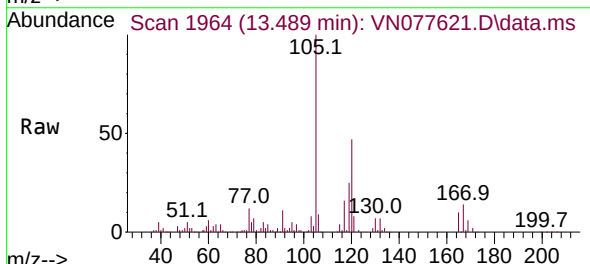
Tgt Ion:119 Resp: 51742
Ion Ratio Lower Upper
119 100
91 70.0 0.0 141.6
134 25.0 0.0 46.6

Manual Integrations
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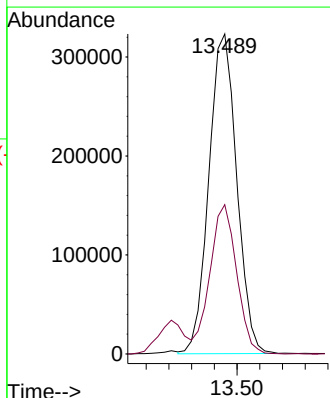
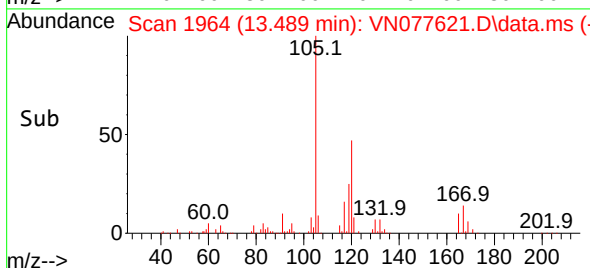
Reviewed By :John Carlone 05/09/2023
Supervised By :Mahesh Dadoda 05/09/2023

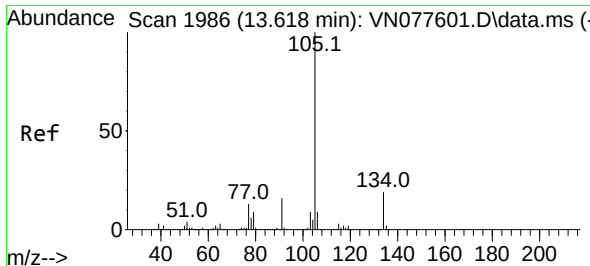


#80
1,2,4-Trimethylbenzene
Concen: 19.539 ug/l
RT: 13.489 min Scan# 1964
Delta R.T. 0.000 min
Lab File: VN077621.D
Acq: 08 May 2023 17:06



Tgt Ion:105 Resp: 551179
Ion Ratio Lower Upper
105 100
120 44.6 0.0 88.0





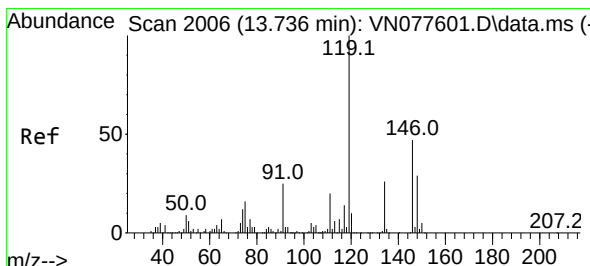
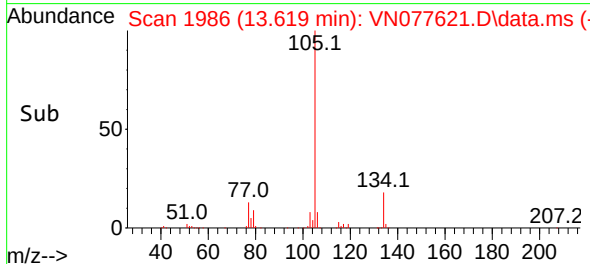
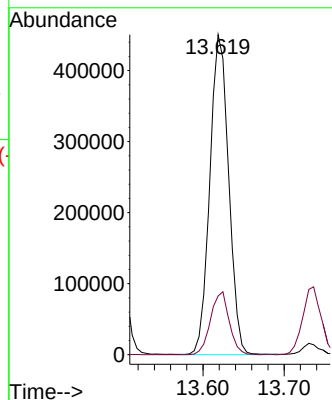
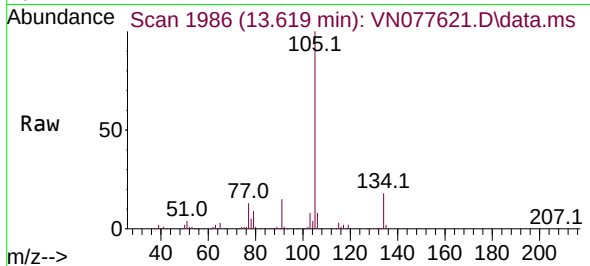
#81
 sec-Butylbenzene
 Concen: 19.890 ug/l
 RT: 13.619 min Scan# 1986
 Delta R.T. 0.001 min
 Lab File: VN077621.D
 Acq: 08 May 2023 17:06

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tgt Ion:105 Resp: 72680
 Ion Ratio Lower Upper
 105 100
 134 19.4 0.0 37.8

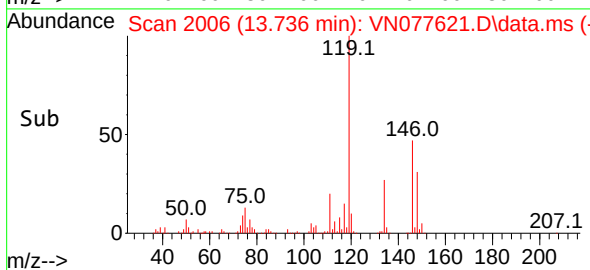
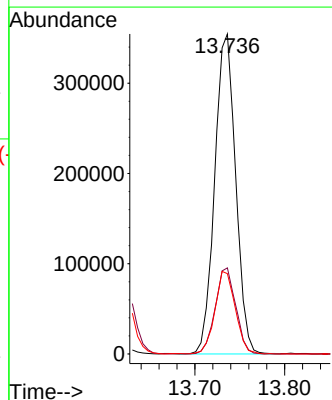
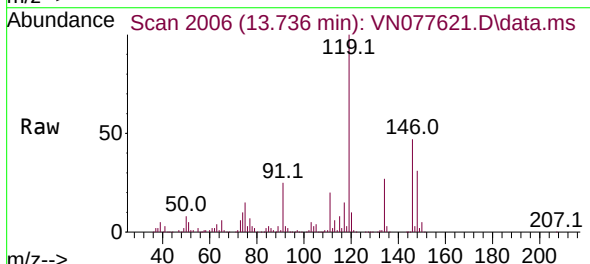
Manual Integrations
 APPROVED

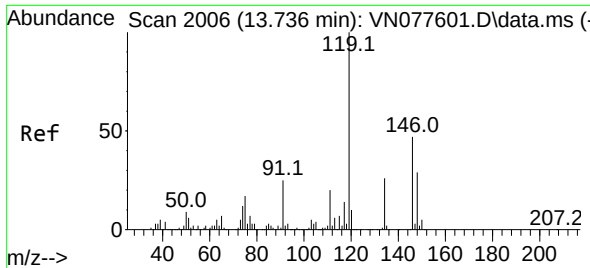
Reviewed By :John Carlone 05/09/2023
 Supervised By :Mahesh Dadoda 05/09/2023



#82
 p-Isopropyltoluene
 Concen: 19.763 ug/l
 RT: 13.736 min Scan# 2006
 Delta R.T. 0.000 min
 Lab File: VN077621.D
 Acq: 08 May 2023 17:06

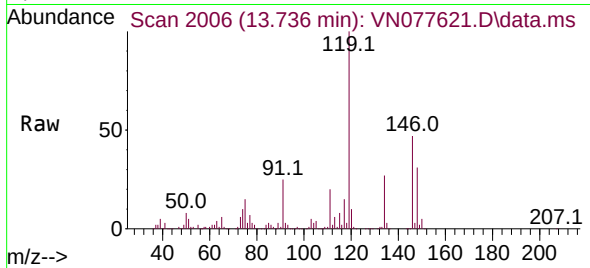
Tgt Ion:119 Resp: 574580
 Ion Ratio Lower Upper
 119 100
 134 26.3 0.0 52.2
 91 25.1 0.0 51.2





#83
1,3-Dichlorobenzene
Concen: 19.490 ug/l
RT: 13.736 min Scan# 2006
Delta R.T. 0.000 min
Lab File: VN077621.D
Acq: 08 May 2023 17:06

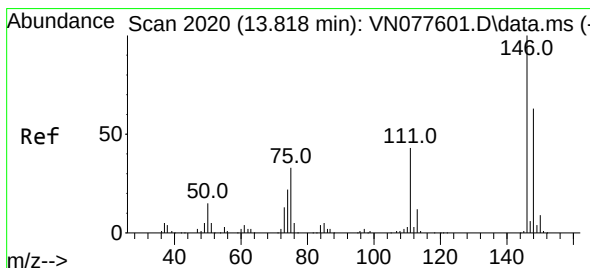
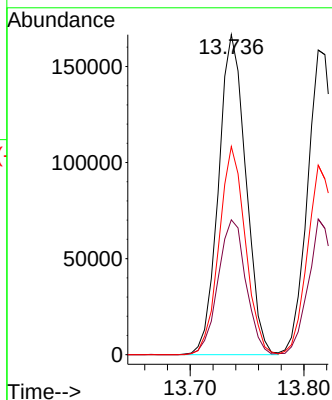
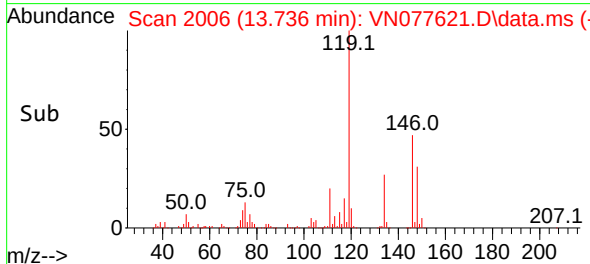
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



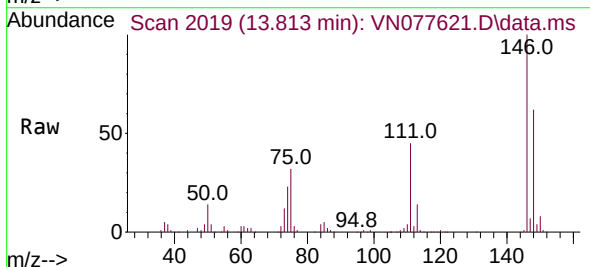
Tgt Ion:146 Resp: 278349
Ion Ratio Lower Upper
146 100
111 43.0 22.1 66.1
148 62.7 32.5 97.4

Manual Integrations
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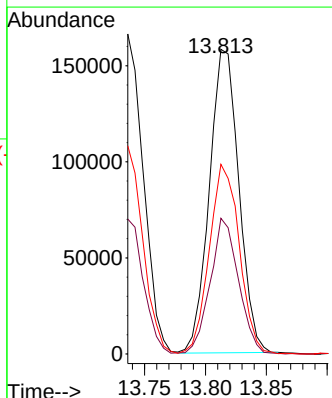
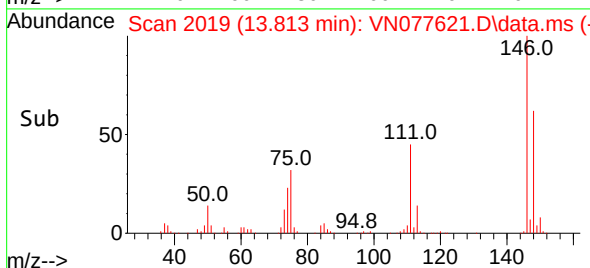
Reviewed By :John Carlone 05/09/2023
Supervised By :Mahesh Dadoda 05/09/2023

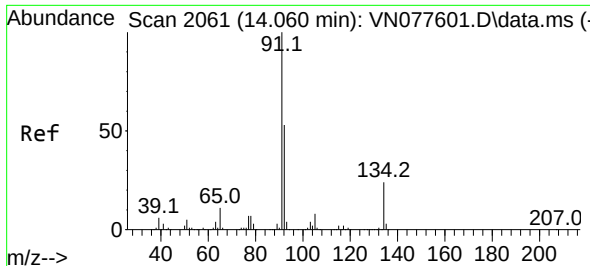


#84
1,4-Dichlorobenzene
Concen: 19.048 ug/l
RT: 13.813 min Scan# 2019
Delta R.T. -0.005 min
Lab File: VN077621.D
Acq: 08 May 2023 17:06



Tgt Ion:146 Resp: 266314
Ion Ratio Lower Upper
146 100
111 43.0 20.8 62.4
148 63.5 31.1 93.5





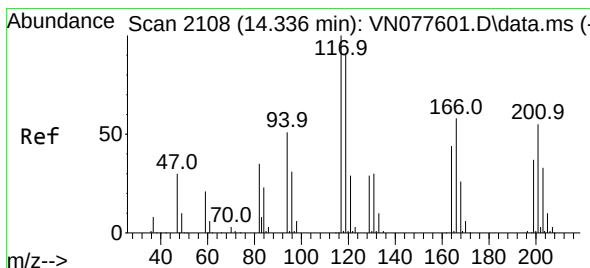
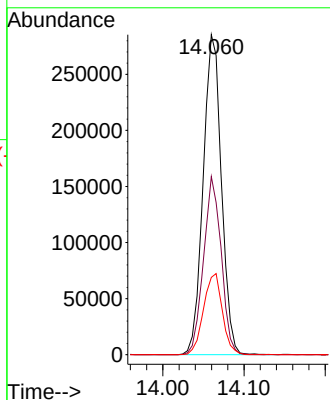
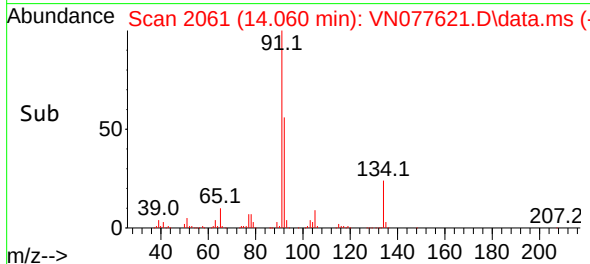
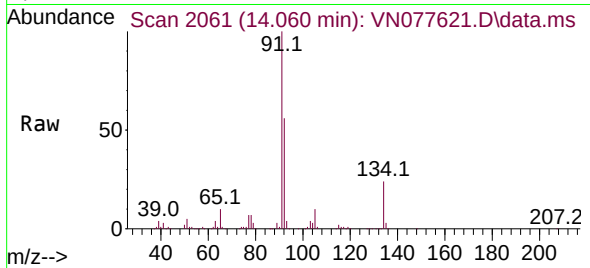
#85
n-Butylbenzene
Concen: 18.598 ug/l
RT: 14.060 min Scan# 2061
Delta R.T. -0.000 min
Lab File: VN077621.D
Acq: 08 May 2023 17:06

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tgt Ion: 91 Resp: 444830
Ion Ratio Lower Upper
91 100
92 53.9 0.0 107.0
134 26.1 0.0 50.2

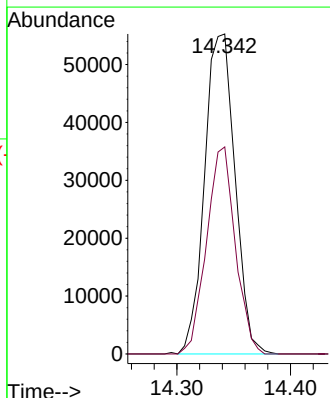
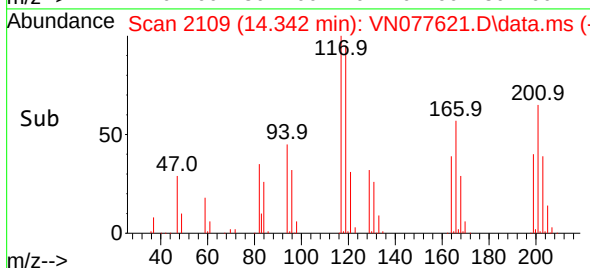
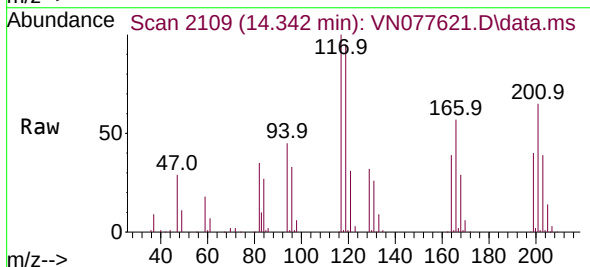
Manual Integrations
APPROVED

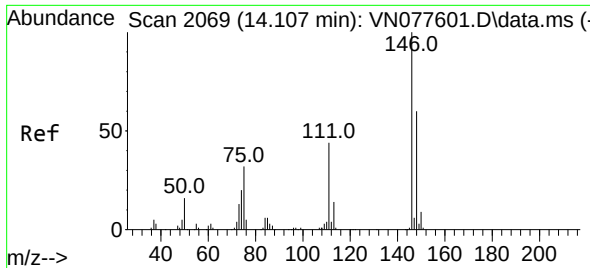
Reviewed By :John Carlone 05/09/2023
Supervised By :Mahesh Dadoda 05/09/2023



#86
Hexachloroethane
Concen: 18.992 ug/l
RT: 14.342 min Scan# 2109
Delta R.T. 0.006 min
Lab File: VN077621.D
Acq: 08 May 2023 17:06

Tgt Ion:117 Resp: 102904
Ion Ratio Lower Upper
117 100
201 61.1 28.1 84.4





#87

1,2-Dichlorobenzene

Concen: 20.016 ug/l

RT: 14.107 min Scan# 2069

Delta R.T. -0.000 min

Lab File: VN077621.D

Acq: 08 May 2023 17:06

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tgt Ion:146 Resp: 277475

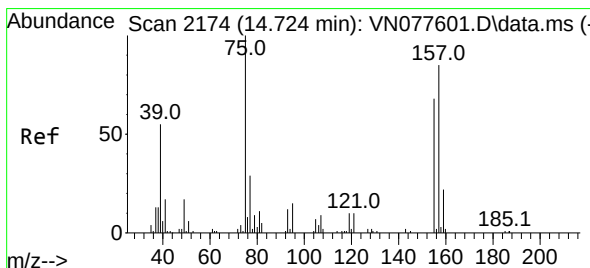
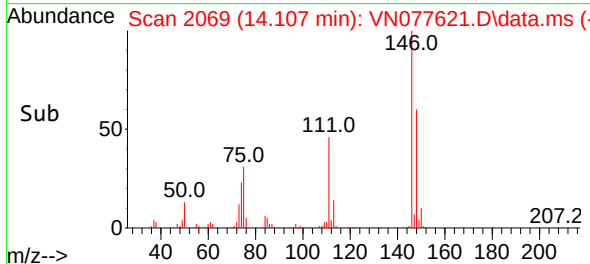
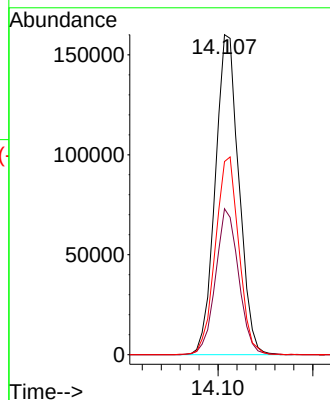
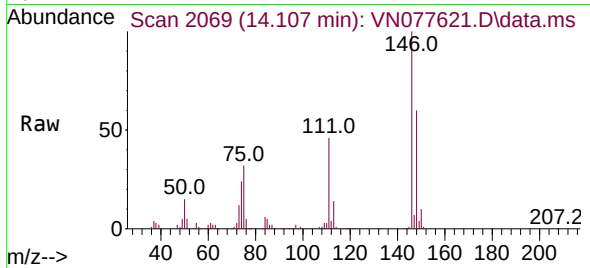
Ion	Ratio	Lower	Upper
146	100		
111	44.6	22.7	68.0
148	61.5	31.0	93.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/09/2023

Supervised By :Mahesh Dadoda 05/09/2023



#88

1,2-Dibromo-3-Chloropropane

Concen: 20.856 ug/l

RT: 14.724 min Scan# 2174

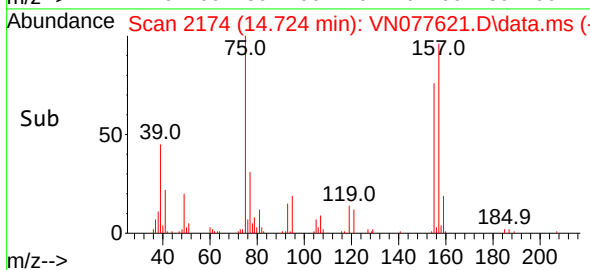
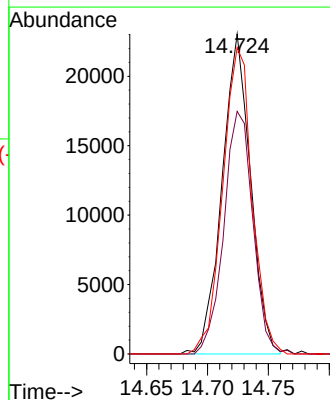
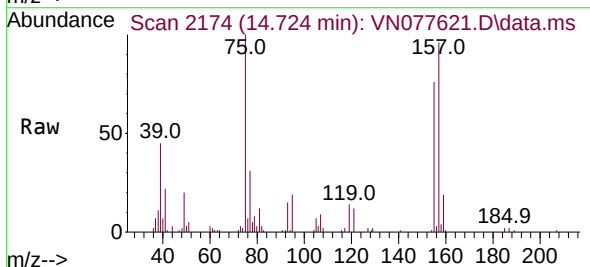
Delta R.T. 0.000 min

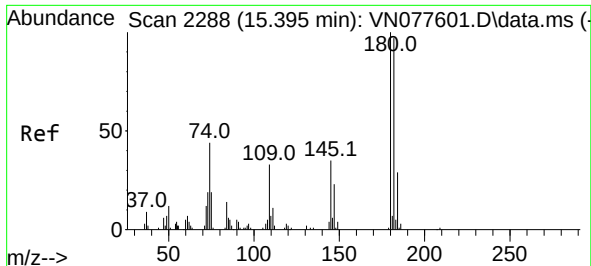
Lab File: VN077621.D

Acq: 08 May 2023 17:06

Tgt Ion: 75 Resp: 37382

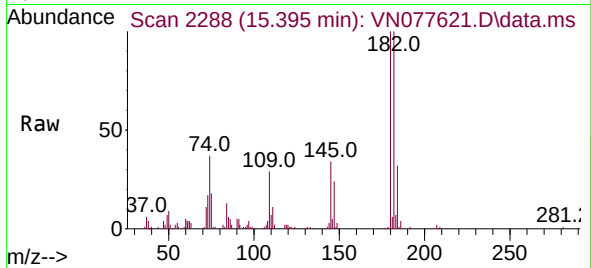
Ion	Ratio	Lower	Upper
75	100		
155	77.4	63.1	94.7
157	98.9	75.5	113.3





#89
1,2,4-Trichlorobenzene
Concen: 17.248 ug/l
RT: 15.395 min Scan# 210
Delta R.T. -0.000 min
Lab File: VN077621.D
Acq: 08 May 2023 17:06

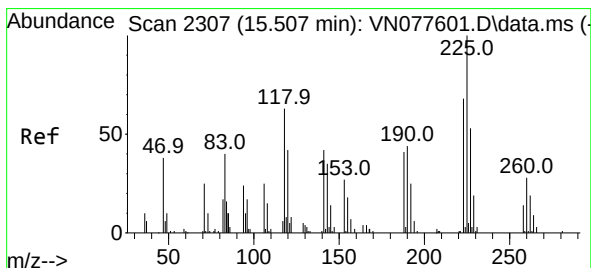
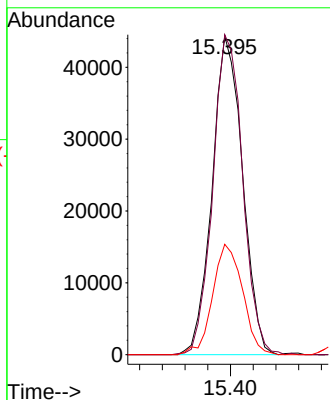
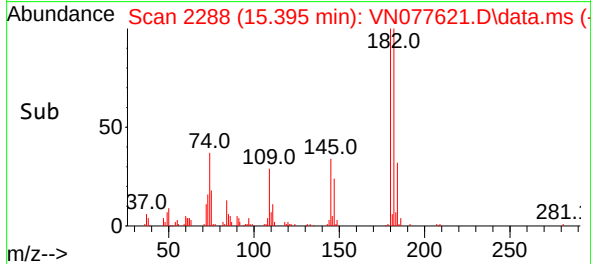
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



Tgt Ion:180 Resp: 82380
Ion Ratio Lower Upper
180 100
182 98.8 75.1 112.7
145 34.1 28.6 43.0

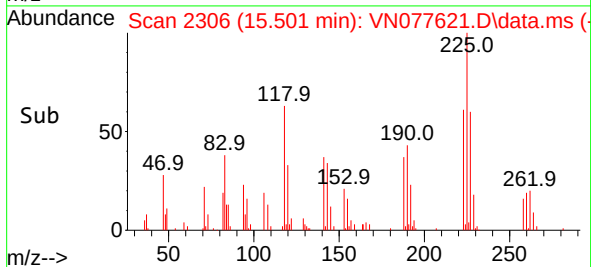
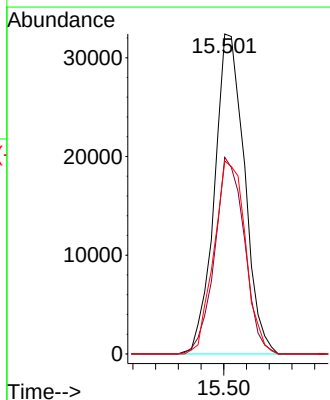
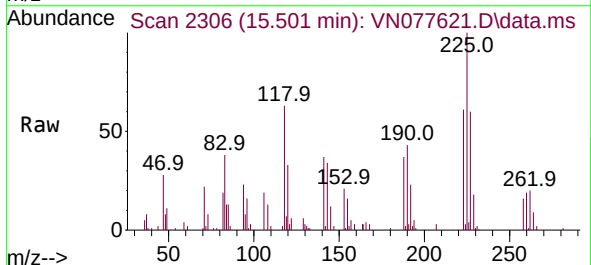
Manual Integrations
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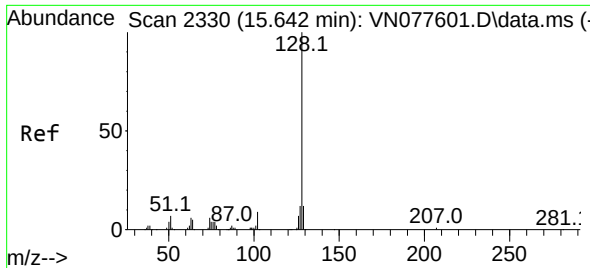
Reviewed By :John Carlone 05/09/2023
Supervised By :Mahesh Dadoda 05/09/2023



#90
Hexachlorobutadiene
Concen: 22.090 ug/l
RT: 15.501 min Scan# 2306
Delta R.T. -0.006 min
Lab File: VN077621.D
Acq: 08 May 2023 17:06

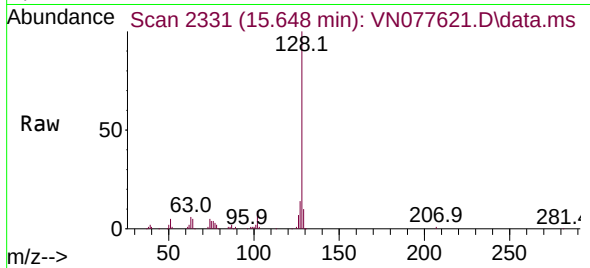
Tgt Ion:225 Resp: 59494
Ion Ratio Lower Upper
225 100
223 60.8 0.0 132.2
227 63.1 0.0 116.2





#91
Naphthalene
Concen: 18.083 ug/l
RT: 15.648 min Scan# 2331
Delta R.T. 0.006 min
Lab File: VN077621.D
Acq: 08 May 2023 17:06

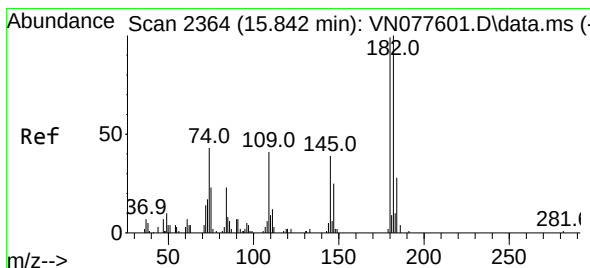
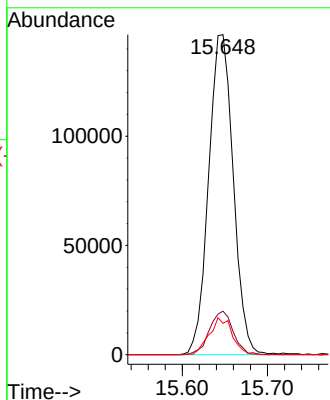
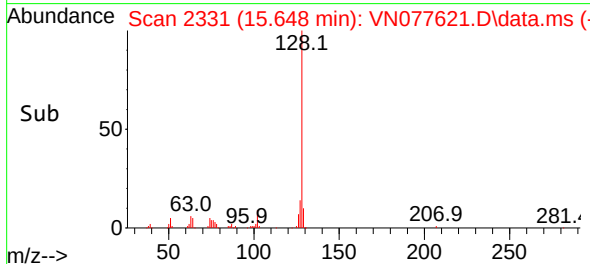
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



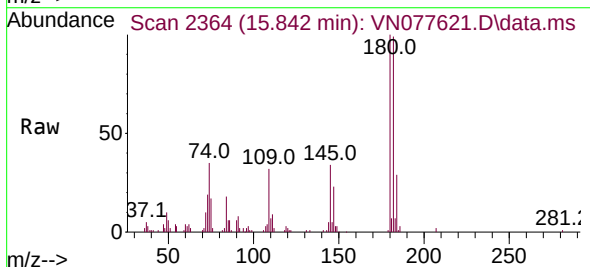
Tgt Ion:128 Resp: 29503
Ion Ratio Lower Upper
128 100
127 13.1 9.6 14.4
129 10.7 9.1 13.7

Manual Integrations
APPROVED

Reviewed By :John Carlone 05/09/2023
Supervised By :Mahesh Dadoda 05/09/2023



#92
1,2,3-Trichlorobenzene
Concen: 18.487 ug/l
RT: 15.842 min Scan# 2364
Delta R.T. -0.000 min
Lab File: VN077621.D
Acq: 08 May 2023 17:06



Tgt Ion:180 Resp: 81320
Ion Ratio Lower Upper
180 100
182 94.6 0.0 193.4
145 34.1 0.0 78.6

