

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN051223\
 Data File : VN077666.D
 Acq On : 12 May 2023 11:39
 Operator : JC\MD
 Sample : VN0512WBS01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0512WBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 05/15/2023
 Supervised By : Mahesh Dadoda 05/15/2023

Quant Time: May 15 01:36:24 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

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

Internal Standards						
1) Bromochloromethane	7.818	128	99661	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.106	114	568259	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.871	117	516678	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.577	65	202399	28.240	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery =	94.133%		
60) 4-Bromofluorobenzene	12.853	95	238912	29.081	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery =	96.933%		
63) Toluene-d8	10.571	98	679735	28.484	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery =	94.933%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.124	85	109266	16.699	ug/l	99
3) Chloromethane	2.359	50	83713	16.834	ug/l	96
4) Vinyl Chloride	2.512	62	116357	15.207	ug/l	96
5) Bromomethane	2.906	94	50933	9.986	ug/l	93
6) Chloroethane	3.077	64	67011	13.405	ug/l	94
7) Trichlorofluoromethane	3.483	101	179701	17.268	ug/l	100
8) Diethyl Ether	3.959	74	67599	20.611	ug/l	94
9) 1,1,2-Trichlorotrifluo...	4.365	101	99206	17.662	ug/l	88
10) 1,1-Dichloroethene	4.336	96	98637	18.577	ug/l	86
11) Methyl Iodide	4.583	142	149456	18.097	ug/l	93
12) Methyl Acetate	5.024	43	166304	25.909	ug/l	99
13) Acrolein	4.183	56	88396	112.428	ug/l	96
14) Acrylonitrile	5.718	53	218550	111.934	ug/l	98
15) Acetone	4.424	58	65055	109.781	ug/l	96
16) Carbon Disulfide	4.706	76	207543	16.271	ug/l	98
17) Allyl chloride	5.024	41	101349	18.387	ug/l	97
18) Methylene Chloride	5.271	84	118686	18.391	ug/l	94
19) trans-1,2-Dichloroethene	5.789	96	106891	17.894	ug/l	97
20) Diisopropyl ether	6.671	45	265632	19.815	ug/l #	90
21) 1,1-Dichloroethane	6.565	63	181846	18.493	ug/l	98
22) cis-1,2-Dichloroethene	7.489	96	134259	18.652	ug/l	91
23) tert-Butyl Alcohol	5.524	59	76537	100.064	ug/l #	100
24) Methyl tert-Butyl Ether	5.789	73	340124	18.924	ug/l #	82
25) Chloroform	7.965	83	213682	18.231	ug/l	99
26) Cyclohexane	8.259	56	134273	16.634	ug/l #	94
29) 1,1-Dichloropropene	8.371	75	141827	17.337	ug/l	95
30) 2-Butanone	7.483	43	270745	124.164	ug/l	96
31) 2,2-Dichloropropane	7.494	77	157176	16.491	ug/l	98
32) 1,1,1-Trichloroethane	8.171	97	186793	17.643	ug/l	96
33) Carbon Tetrachloride	8.359	117	164033	18.321	ug/l	99
34) Benzene	8.606	78	464070	18.787	ug/l	99
35) Methacrylonitrile	7.777	41	55015	22.228	ug/l	93
36) 1,2-Dichloroethane	8.671	62	157686	19.148	ug/l	96
37) Trichloroethene	9.353	130	128316	20.095	ug/l	87
38) Methylcyclohexane	9.600	83	175112	16.625	ug/l	95
39) 1,2-Dichloropropane	9.624	63	106623	18.644	ug/l	90
40) Dibromomethane	9.712	93	83526	18.526	ug/l	82
41) Bromodichloromethane	9.888	83	161205	17.756	ug/l	98
42) Vinyl Acetate	6.600	43	689924	85.296	ug/l	94

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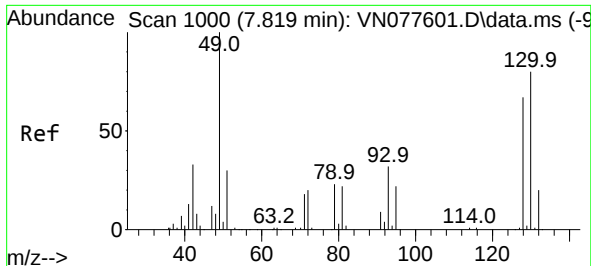
Manual Integrations
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 Supervised By : Mahesh Dadoda 05/15/2023

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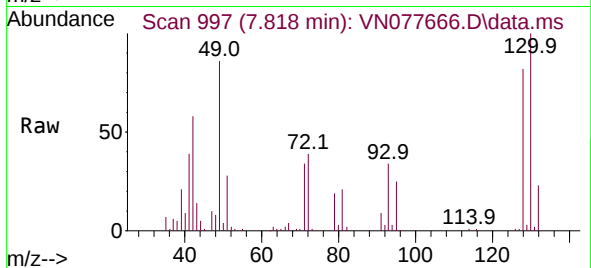
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	7.559	43	95308	20.338	ug/l #	84
44) Isopropyl Acetate	8.688	43	179108	20.874	ug/l	93
45) 1,4-Dioxane	9.694	88	44952	421.458	ug/l	98
46) Methyl methacrylate	9.683	41	87721	22.764	ug/l	95
47) n-amyl Acetate	12.500	43	146847	19.871	ug/l	96
48) t-1,3-Dichloropropene	10.841	75	155812	17.023	ug/l	95
49) cis-1,3-Dichloropropene	10.318	75	173771	17.322	ug/l	98
50) 1,1,2-Trichloroethane	11.018	97	125821	19.378	ug/l	94
51) Ethyl methacrylate	10.877	69	164000	19.566	ug/l	94
52) 1,3-Dichloropropane	11.165	76	203027	19.339	ug/l	98
53) Dibromochloromethane	11.365	129	127843	18.925	ug/l	98
54) 1,2-Dibromoethane	11.471	107	130050	20.164	ug/l	97
55) 2-Chloroethyl vinyl ether	10.165	63	381371	100.618	ug/l	96
56) Bromoform	12.582	173	90550	22.780	ug/l #	98
58) 4-Methyl-2-Pentanone	10.447	43	555049	116.654	ug/l	96
59) 2-Hexanone	11.200	43	405284	117.998	ug/l	96
61) Tetrachloroethene	11.106	164	105418	21.093	ug/l	93
62) Toluene	10.635	91	529280	18.503	ug/l	99
64) Chlorobenzene	11.894	112	340955	19.381	ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.965	131	122845	19.357	ug/l	92
66) Ethyl Benzene	11.971	91	565011	17.826	ug/l	98
67) m/p-Xylenes	12.076	106	458947	36.803	ug/l	94
68) o-Xylene	12.406	106	228202	18.569	ug/l	94
69) Styrene	12.418	104	371633	18.912	ug/l	96
70) Isopropylbenzene	12.700	105	583609	18.283	ug/l	98
71) 1,1,2,2-Tetrachloroethane	12.941	83	174489	20.384	ug/l	97
72) 1,2,3-Trichloropropane	13.000	75	142479m	20.004	ug/l	
73) Bromobenzene	12.988	156	150506	22.549	ug/l	79
74) n-propylbenzene	13.041	91	648338	18.166	ug/l	96
75) 2-Chlorotoluene	13.129	91	404857	18.756	ug/l	94
76) 1,3,5-Trimethylbenzene	13.182	105	490786	19.455	ug/l	96
77) t-1,4-Dichloro-2-butene	12.747	75	40612	16.368	ug/l	96
78) 4-Chlorotoluene	13.229	91	392746	18.634	ug/l	94
79) tert-butylbenzene	13.447	119	450050	19.920	ug/l	91
80) 1,2,4-Trimethylbenzene	13.488	105	467641	19.101	ug/l	97
81) sec-Butylbenzene	13.623	105	611298	19.277	ug/l	96
82) p-Isopropyltoluene	13.735	119	497855	19.731	ug/l	97
83) 1,3-Dichlorobenzene	13.741	146	267868	21.612	ug/l	96
84) 1,4-Dichlorobenzene	13.818	146	264249	21.779	ug/l	97
85) n-Butylbenzene	14.065	91	348853	16.806	ug/l	97
86) Hexachloroethane	14.341	117	82901	17.630	ug/l	67
87) 1,2-Dichlorobenzene	14.112	146	262102	21.785	ug/l	96
88) 1,2-Dibromo-3-Chloropr...	14.729	75	29125	18.723	ug/l #	76
89) 1,2,4-Trichlorobenzene	15.400	180	66191	15.969	ug/l	95
90) Hexachlorobutadiene	15.512	225	64381	27.544	ug/l	94
91) Naphthalene	15.647	128	174017	12.290	ug/l	98
92) 1,2,3-Trichlorobenzene	15.847	180	58542	15.335	ug/l	91

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



#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.818 min Scan# 91
Delta R.T. -0.001 min
Lab File: VN077666.D
Acq: 12 May 2023 11:39

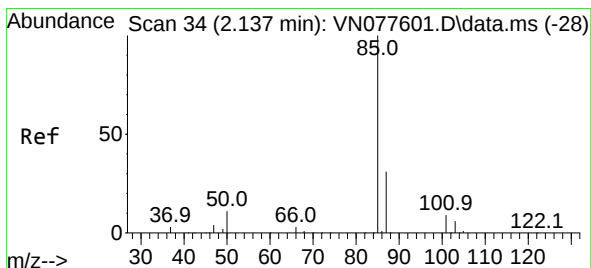
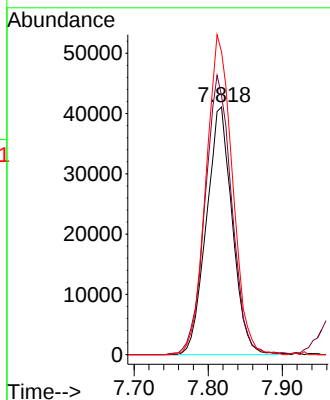
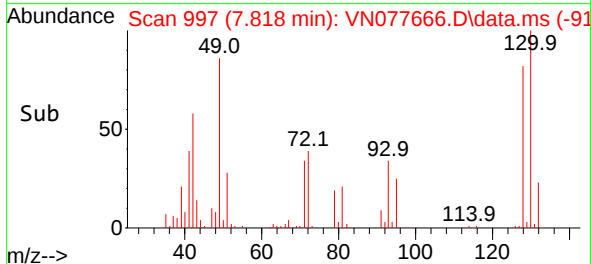
Instrument :
MSVOA_N
ClientSampleId :
VN0512WBS01



Tgt Ion:128 Resp: 9966
Ion Ratio Lower Upper
128 100
49 114.2 0.0 369.8
130 132.3 0.0 317.8

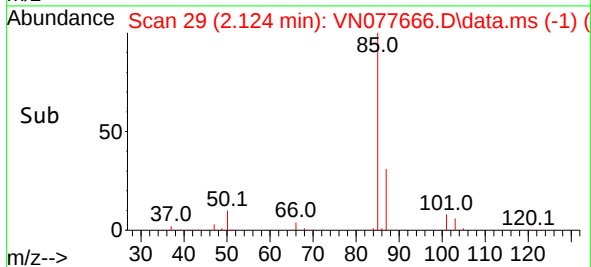
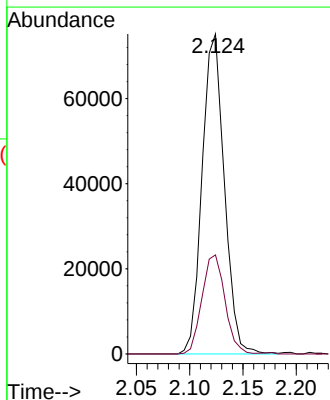
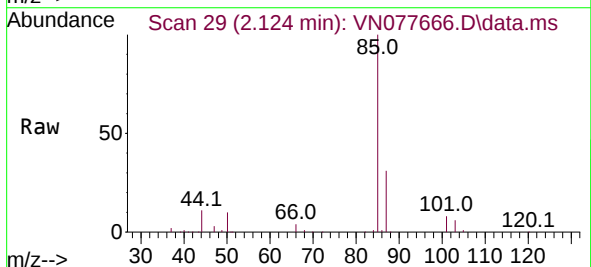
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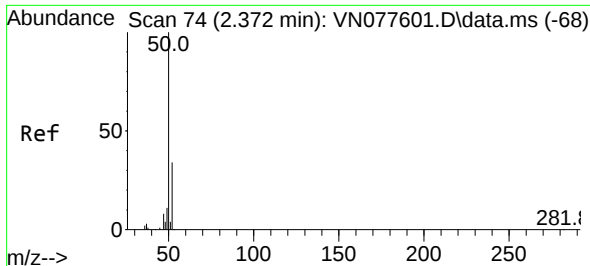
Reviewed By :John Carlone 05/15/2023
Supervised By :Mahesh Dadoda 05/15/2023



#2
Dichlorodifluoromethane
Concen: 16.699 ug/l
RT: 2.124 min Scan# 29
Delta R.T. -0.013 min
Lab File: VN077666.D
Acq: 12 May 2023 11:39

Tgt Ion: 85 Resp: 109266
Ion Ratio Lower Upper
85 100
87 30.9 15.3 45.9





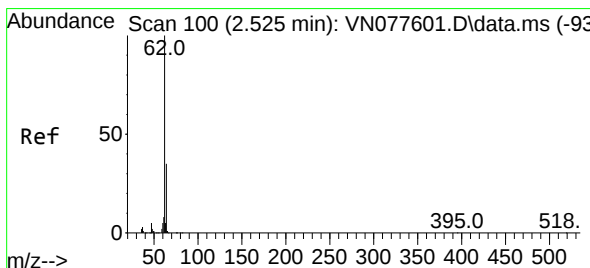
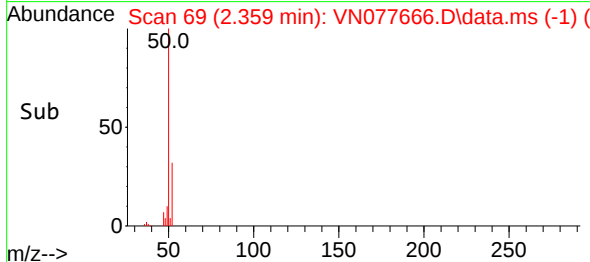
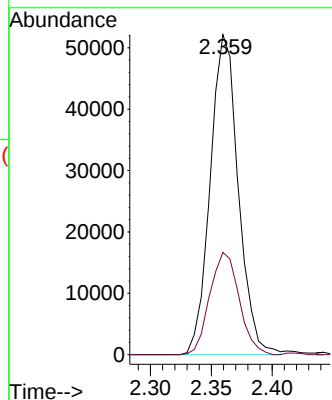
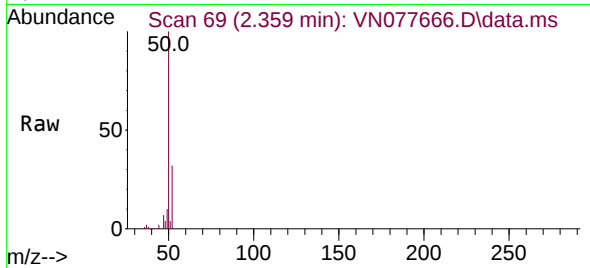
#3
Chloromethane
Concen: 16.834 ug/l
RT: 2.359 min Scan# 61
Delta R.T. -0.013 min
Lab File: VN077666.D
Acq: 12 May 2023 11:39

Instrument :
MSVOA_N
ClientSampleId :
VN0512WBS01

Tgt Ion: 50 Resp: 8371
Ion Ratio Lower Upper
50 100
52 32.0 27.3 40.9

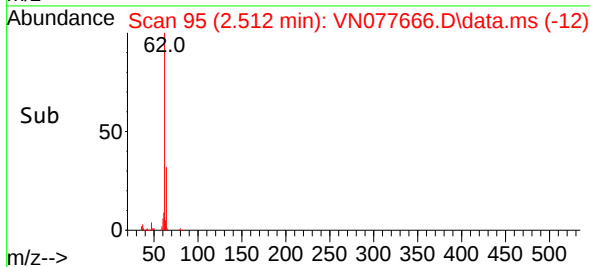
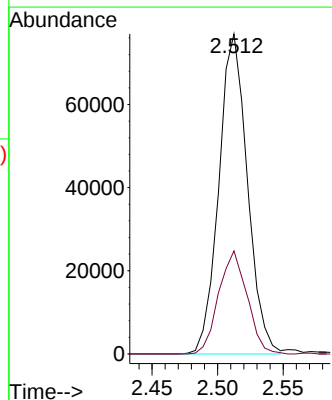
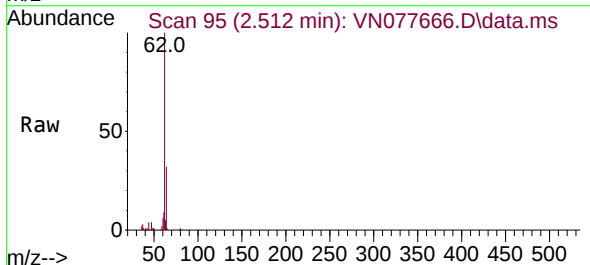
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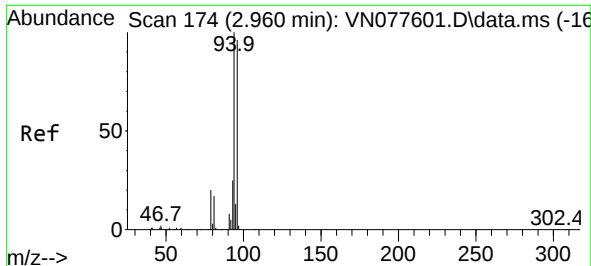
Reviewed By :John Carlone 05/15/2023
Supervised By :Mahesh Dadoda 05/15/2023



#4
Vinyl Chloride
Concen: 15.207 ug/l
RT: 2.512 min Scan# 95
Delta R.T. -0.013 min
Lab File: VN077666.D
Acq: 12 May 2023 11:39

Tgt Ion: 62 Resp: 116357
Ion Ratio Lower Upper
62 100
64 32.2 27.8 41.6





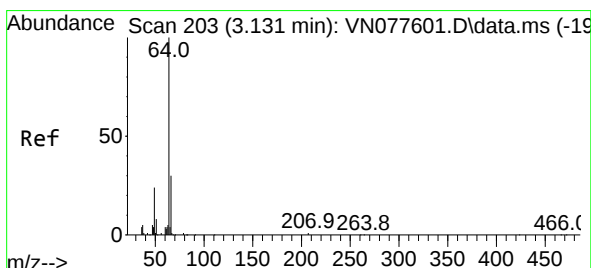
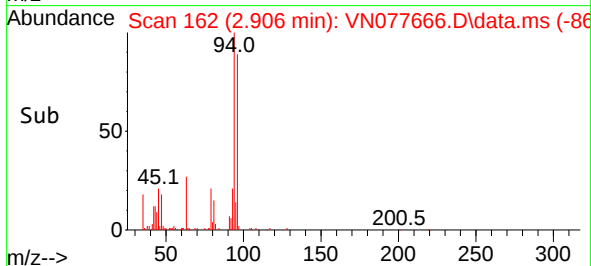
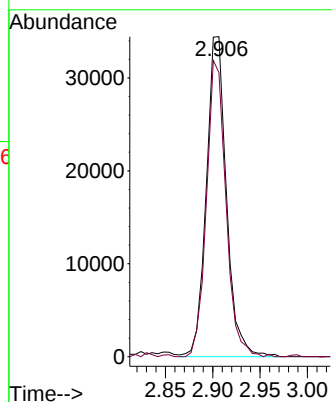
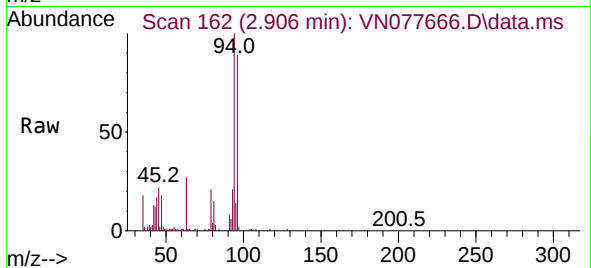
#5
Bromomethane
Concen: 9.986 ug/l
RT: 2.906 min Scan# 11
Delta R.T. -0.054 min
Lab File: VN077666.D
Acq: 12 May 2023 11:39

Instrument :
MSVOA_N
ClientSampleId :
VN0512WBS01

Tgt Ion: 94 Resp: 5093
Ion Ratio Lower Upper
94 100
96 88.8 76.7 115.1

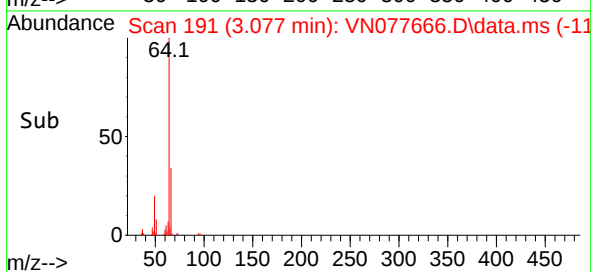
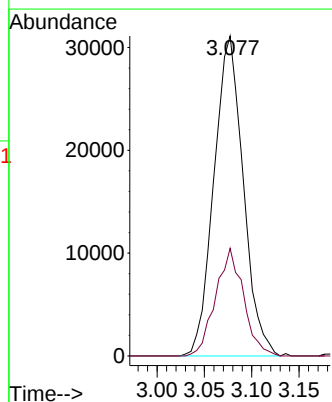
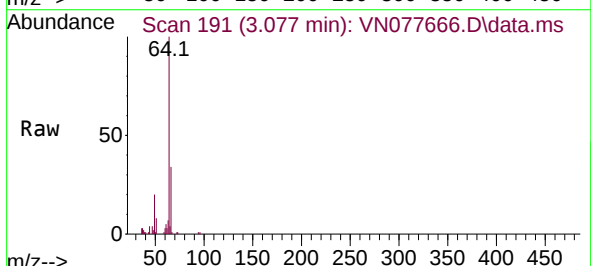
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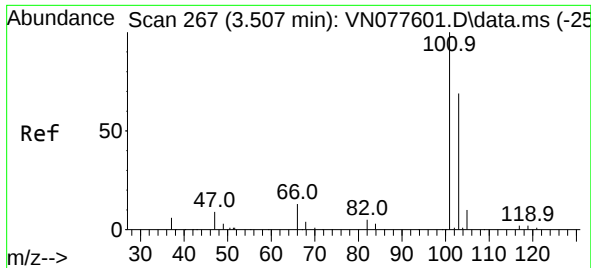
Reviewed By :John Carlone 05/15/2023
Supervised By :Mahesh Dadoda 05/15/2023



#6
Chloroethane
Concen: 13.405 ug/l
RT: 3.077 min Scan# 191
Delta R.T. -0.054 min
Lab File: VN077666.D
Acq: 12 May 2023 11:39

Tgt Ion: 64 Resp: 67011
Ion Ratio Lower Upper
64 100
66 33.6 24.2 36.4





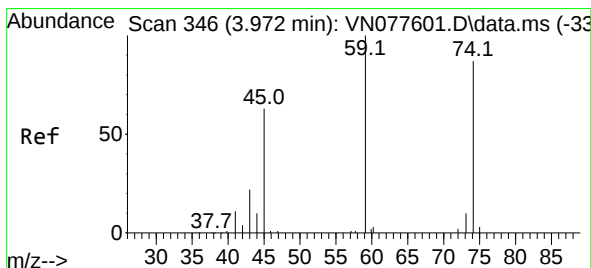
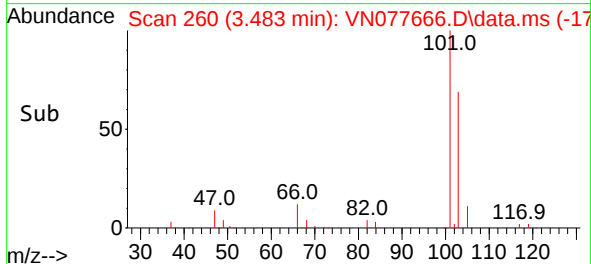
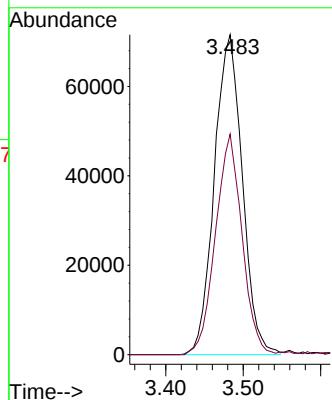
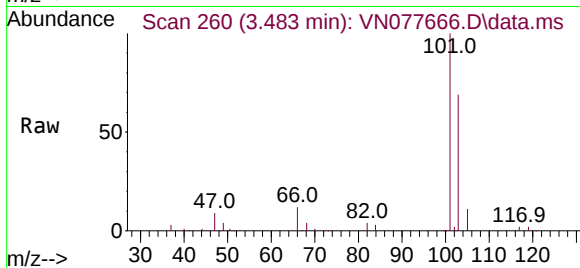
#7
Trichlorofluoromethane
Concen: 17.268 ug/l
RT: 3.483 min Scan# 267
Delta R.T. -0.024 min
Lab File: VN077666.D
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Tgt Ion:101 Resp: 17970
Ion Ratio Lower Upper
101 100
103 69.0 55.0 82.4

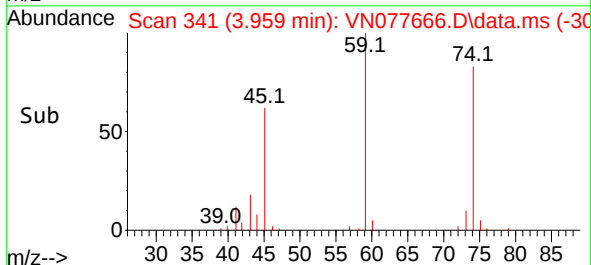
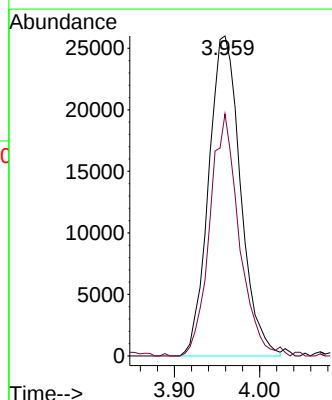
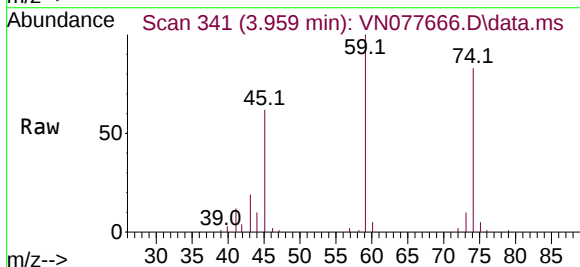
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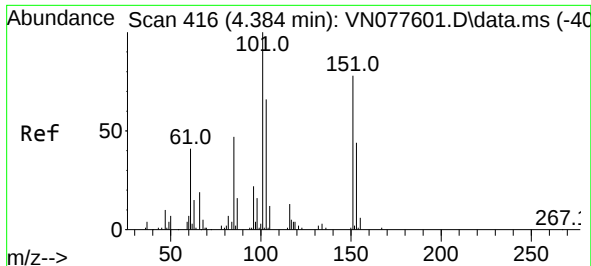
Reviewed By :John Carlone 05/15/2023
Supervised By :Mahesh Dadoda 05/15/2023



#8
Diethyl Ether
Concen: 20.611 ug/l
RT: 3.959 min Scan# 341
Delta R.T. -0.013 min
Lab File: VN077666.D
Acq: 12 May 2023 11:39

Tgt Ion: 74 Resp: 67599
Ion Ratio Lower Upper
74 100
45 69.1 14.8 133.2





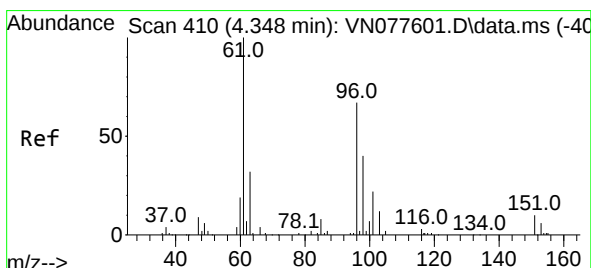
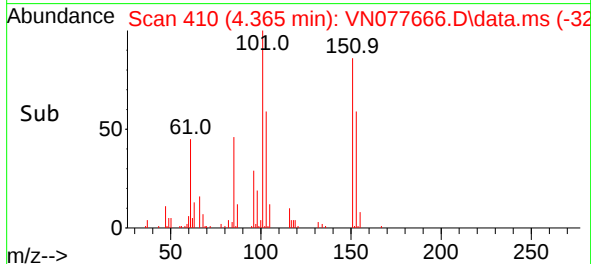
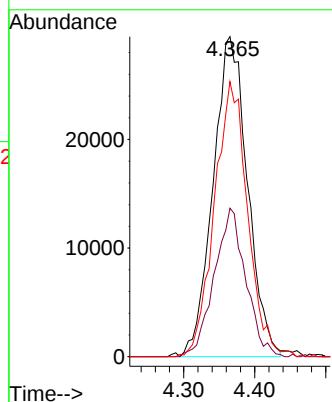
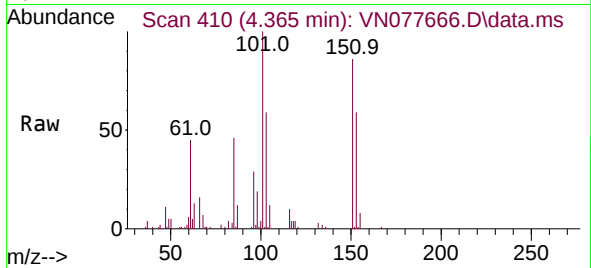
#9
1,1,2-Trichlorotrifluoroethane
Concen: 17.662 ug/l
RT: 4.365 min Scan# 416
Delta R.T. -0.019 min
Lab File: VN077666.D
Acq: 12 May 2023 11:39

Instrument :
MSVOA_N
ClientSampleId :
VN0512WBS01

Tgt Ion:101 Resp: 99200
Ion Ratio Lower Upper
101 100
85 42.3 0.0 92.6
151 82.2 0.0 137.4

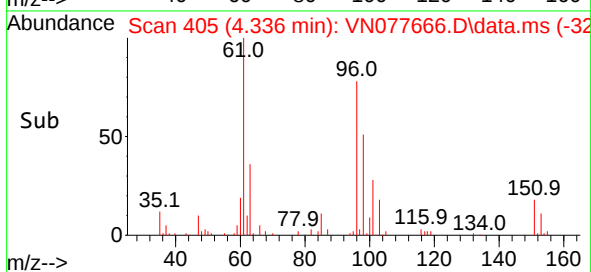
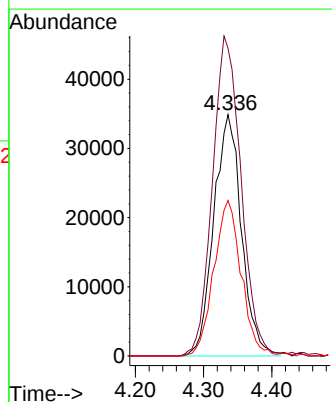
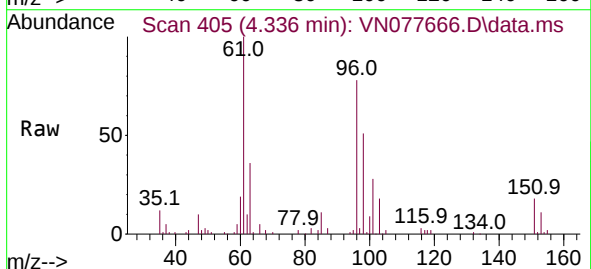
Manual Integrations
APPROVED

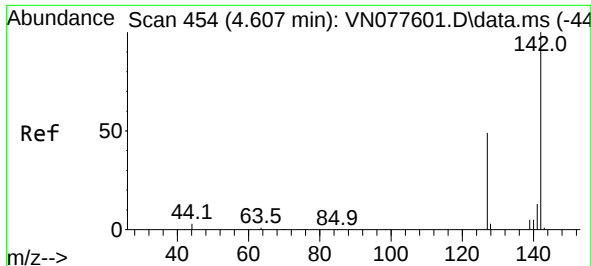
Reviewed By :John Carlone 05/15/2023
Supervised By :Mahesh Dadoda 05/15/2023



#10
1,1-Dichloroethene
Concen: 18.577 ug/l
RT: 4.336 min Scan# 405
Delta R.T. -0.012 min
Lab File: VN077666.D
Acq: 12 May 2023 11:39

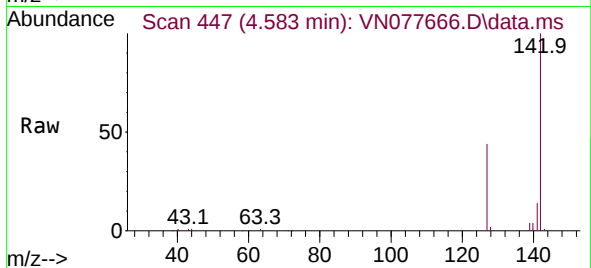
Tgt Ion: 96 Resp: 98637
Ion Ratio Lower Upper
96 100
61 127.5 120.1 180.1
98 64.5 48.3 72.5





#11
Methyl Iodide
Concen: 18.097 ug/l
RT: 4.583 min Scan# 447
Delta R.T. -0.024 min
Lab File: VN077666.D
Acq: 12 May 2023 11:39

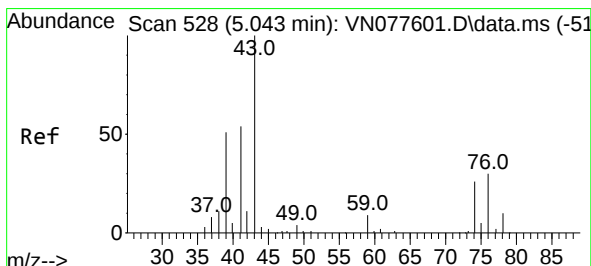
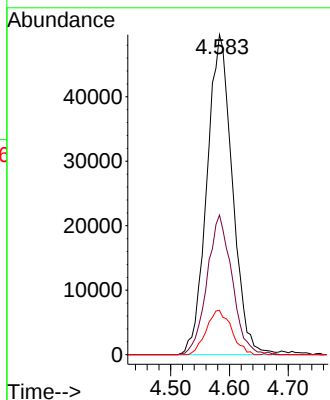
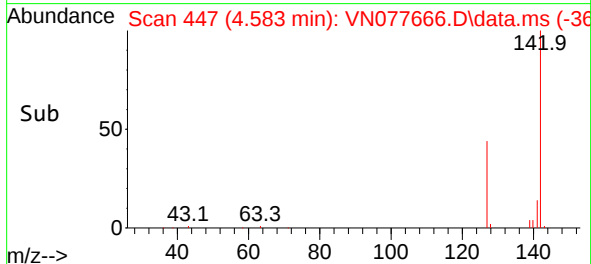
Instrument :
MSVOA_N
ClientSampleId :
VN0512WBS01



Tgt Ion:142 Resp: 149456
Ion Ratio Lower Upper
142 100
127 43.8 24.6 73.6
141 13.9 6.4 19.2

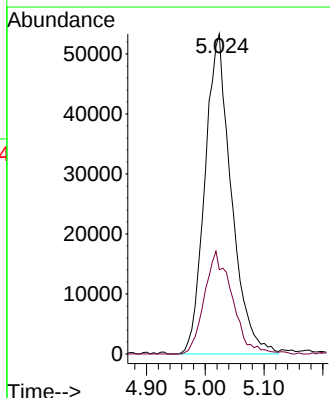
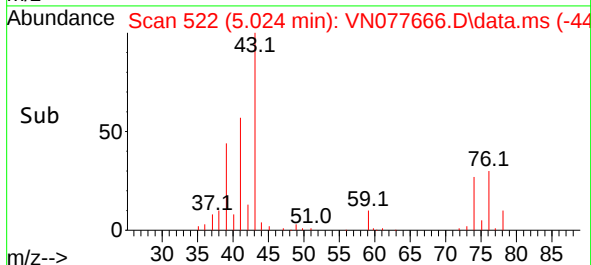
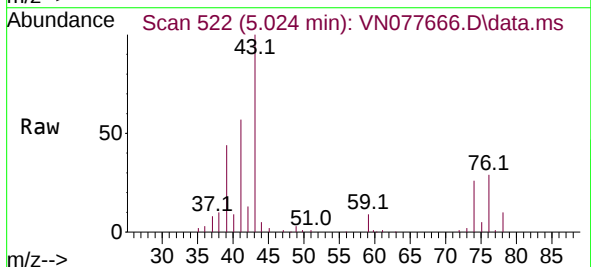
Manual Integrations
APPROVED

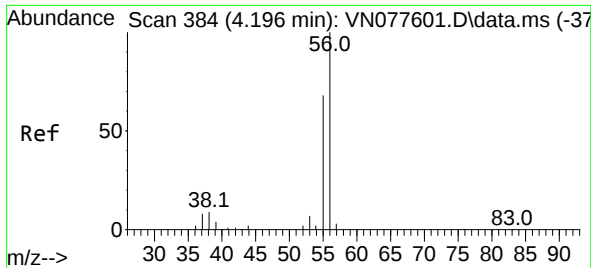
Reviewed By :John Carlone 05/15/2023
Supervised By :Mahesh Dadoda 05/15/2023



#12
Methyl Acetate
Concen: 25.909 ug/l
RT: 5.024 min Scan# 522
Delta R.T. -0.019 min
Lab File: VN077666.D
Acq: 12 May 2023 11:39

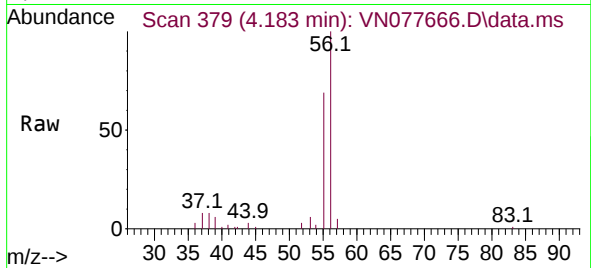
Tgt Ion: 43 Resp: 166304
Ion Ratio Lower Upper
43 100
74 26.2 20.6 31.0





#13
Acrolein
Concen: 112.428 ug/l
RT: 4.183 min Scan# 31
Delta R.T. -0.013 min
Lab File: VN077666.D
Acq: 12 May 2023 11:39

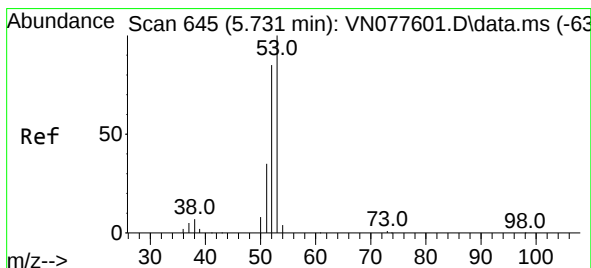
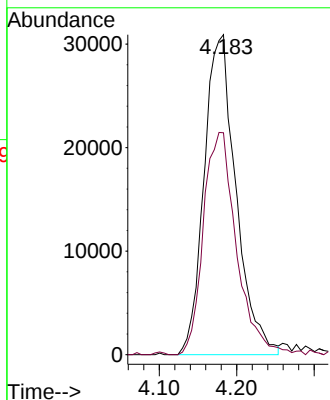
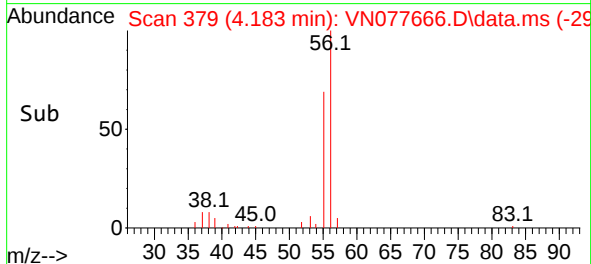
Instrument :
MSVOA_N
ClientSampleId :
VN0512WBS01



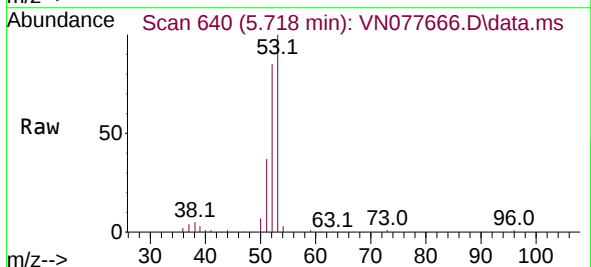
Tgt Ion: 56 Resp: 88390
Ion Ratio Lower Upper
56 100
55 71.7 54.8 82.2

Manual Integrations
APPROVED

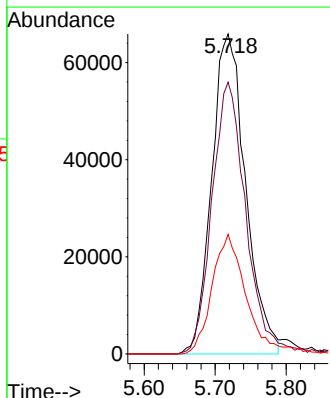
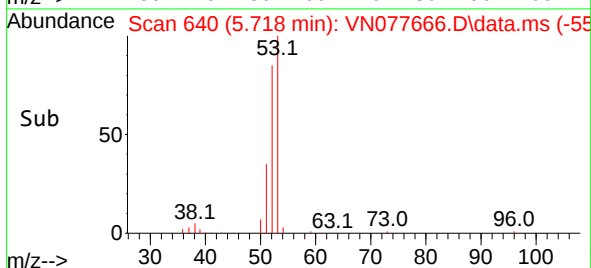
Reviewed By :John Carlone 05/15/2023
Supervised By :Mahesh Dadoda 05/15/2023

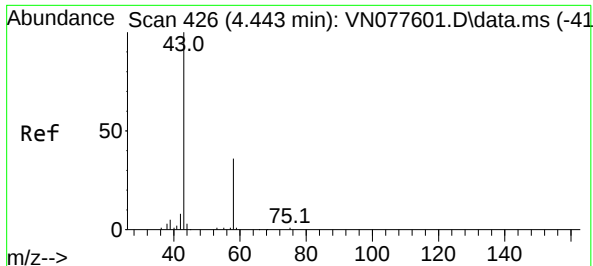


#14
Acrylonitrile
Concen: 111.934 ug/l
RT: 5.718 min Scan# 640
Delta R.T. -0.013 min
Lab File: VN077666.D
Acq: 12 May 2023 11:39



Tgt Ion: 53 Resp: 218550
Ion Ratio Lower Upper
53 100
52 84.5 41.6 124.8
51 36.8 17.6 52.9





#15

Acetone

Concen: 109.781 ug/l

RT: 4.424 min Scan# 41

Delta R.T. -0.019 min

Lab File: VN077666.D

Acq: 12 May 2023 11:39

Instrument :

MSVOA_N

ClientSampleId :

VN0512WBS01

Tgt Ion: 58 Resp: 6505

Ion Ratio Lower Upper

58 100

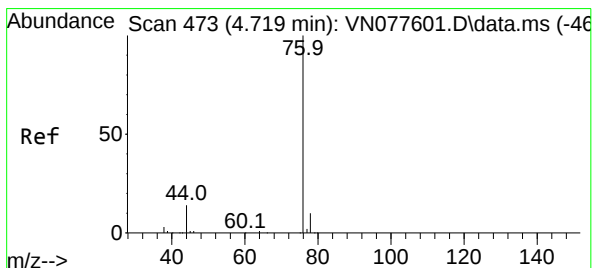
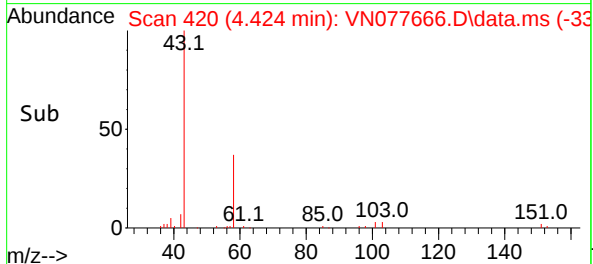
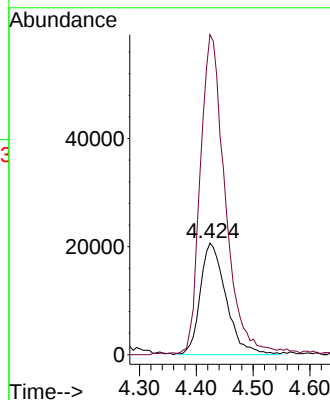
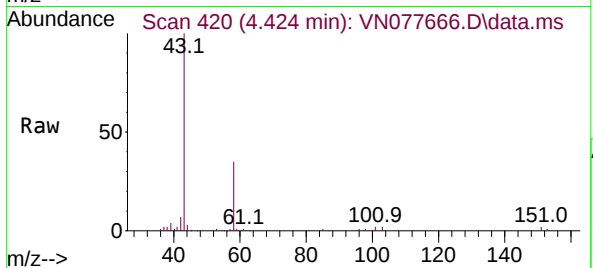
43 287.2 223.2 334.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/15/2023

Supervised By :Mahesh Dadoda 05/15/2023



#16

Carbon Disulfide

Concen: 16.271 ug/l

RT: 4.706 min Scan# 468

Delta R.T. -0.013 min

Lab File: VN077666.D

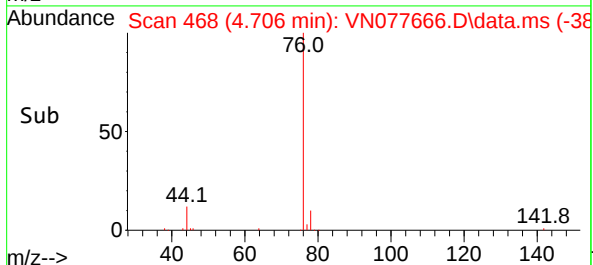
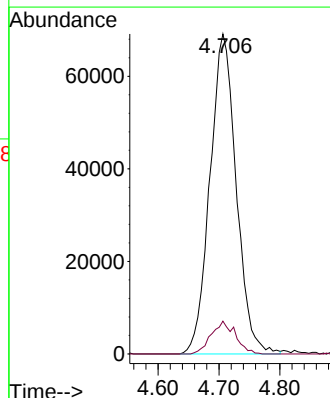
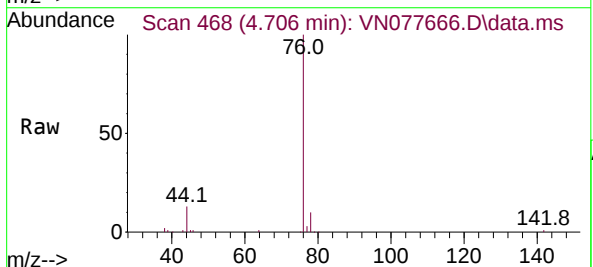
Acq: 12 May 2023 11:39

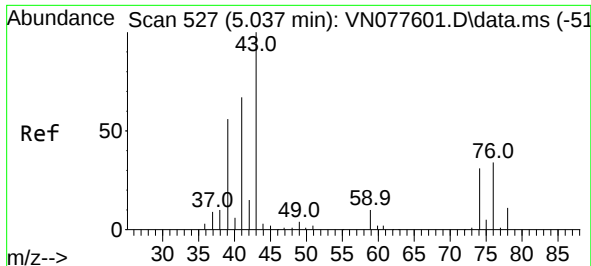
Tgt Ion: 76 Resp: 207543

Ion Ratio Lower Upper

76 100

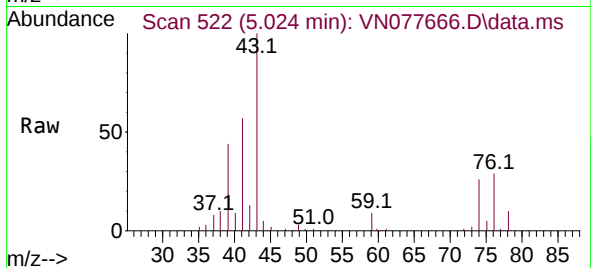
78 10.2 7.6 11.4





#17
 Allyl chloride
 Concen: 18.387 ug/l
 RT: 5.024 min Scan# 51
 Delta R.T. -0.013 min
 Lab File: VN077666.D
 Acq: 12 May 2023 11:39

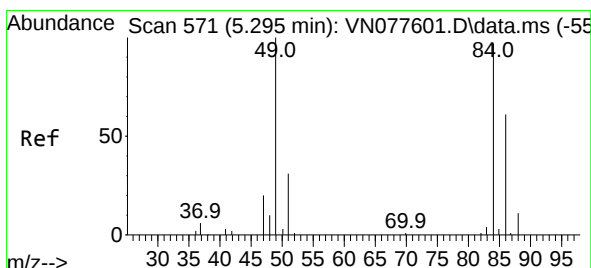
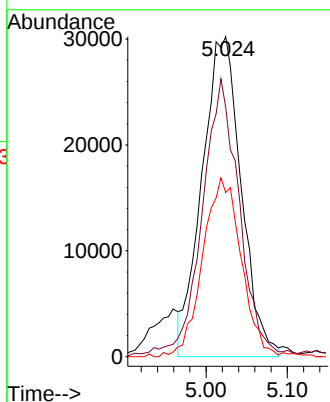
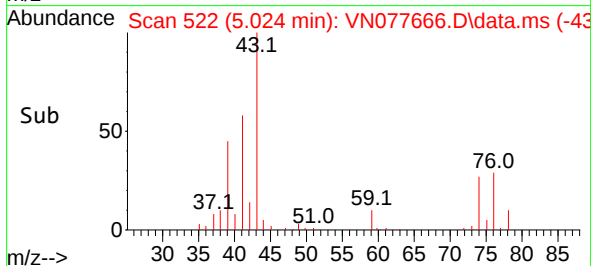
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0512WBS01



Tgt Ion: 41 Resp: 101349
 Ion Ratio Lower Upper
 41 100
 39 78.6 39.5 118.3
 76 52.2 23.4 70.3

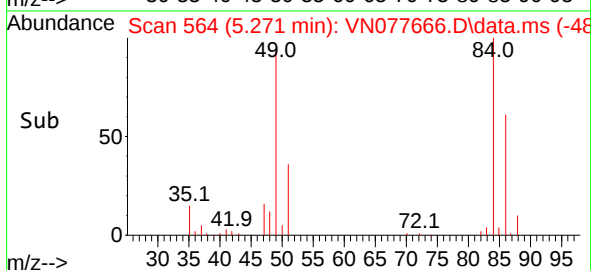
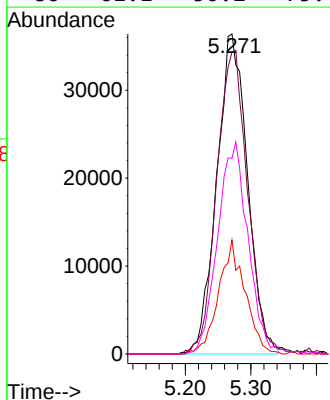
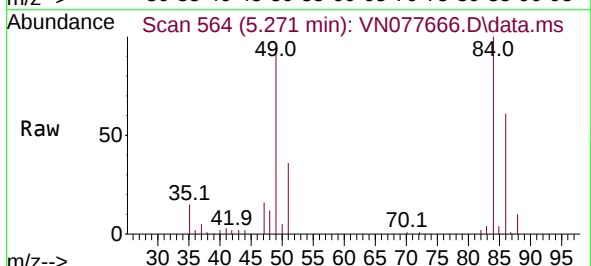
Manual Integrations
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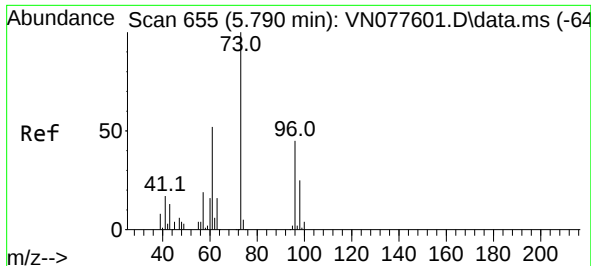
Reviewed By :John Carlone 05/15/2023
 Supervised By :Mahesh Dadoda 05/15/2023



#18
 Methylene Chloride
 Concen: 18.391 ug/l
 RT: 5.271 min Scan# 564
 Delta R.T. -0.024 min
 Lab File: VN077666.D
 Acq: 12 May 2023 11:39

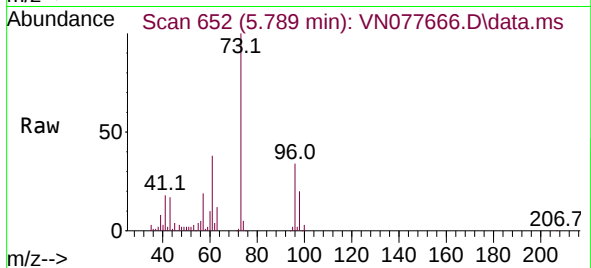
Tgt Ion: 84 Resp: 118686
 Ion Ratio Lower Upper
 84 100
 49 94.4 82.4 123.6
 51 35.6 25.1 37.7
 86 61.1 50.2 75.4





#19
trans-1,2-Dichloroethene
Concen: 17.894 ug/l
RT: 5.789 min Scan# 61
Delta R.T. -0.001 min
Lab File: VN077666.D
Acq: 12 May 2023 11:39

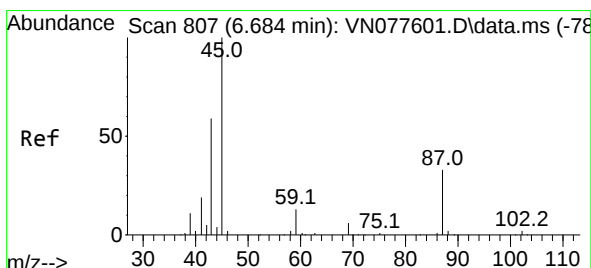
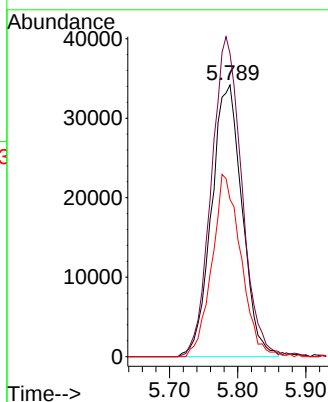
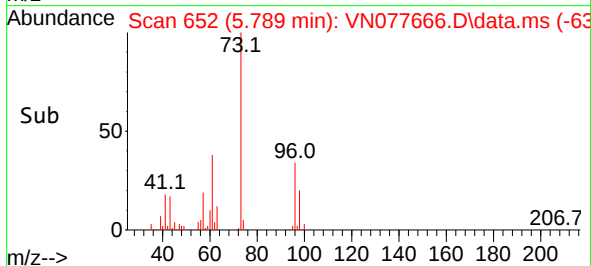
Instrument :
MSVOA_N
ClientSampleId :
VN0512WBS01



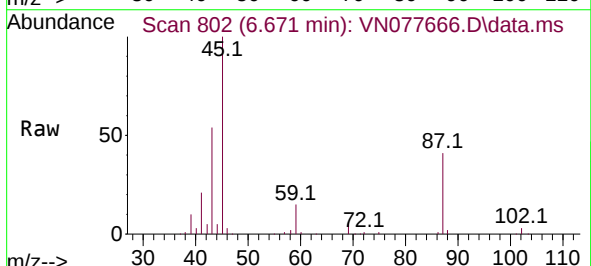
Tgt Ion: 96 Resp: 10689
Ion Ratio Lower Upper
96 100
61 111.5 92.4 138.6
98 57.8 44.8 67.2

Manual Integrations
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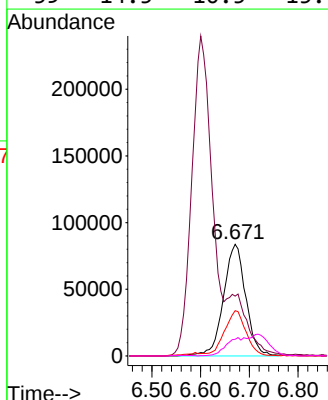
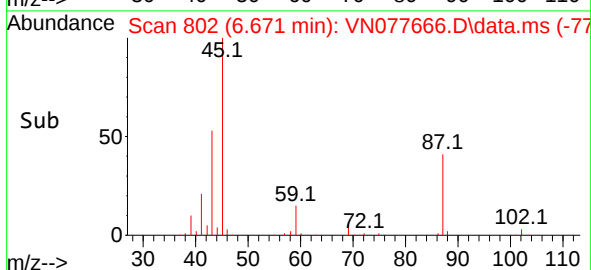
Reviewed By :John Carlone 05/15/2023
Supervised By :Mahesh Dadoda 05/15/2023

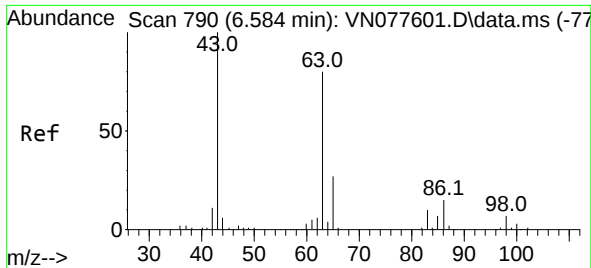


#20
Diisopropyl ether
Concen: 19.815 ug/l
RT: 6.671 min Scan# 802
Delta R.T. -0.013 min
Lab File: VN077666.D
Acq: 12 May 2023 11:39



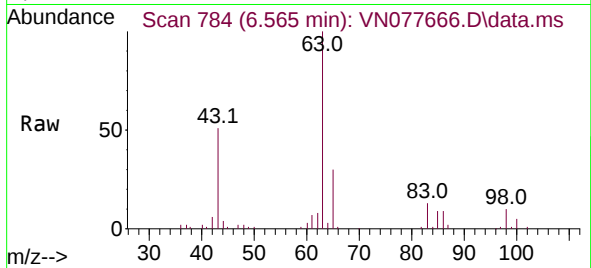
Tgt Ion: 45 Resp: 265632
Ion Ratio Lower Upper
45 100
43 51.3 47.1 70.7
87 40.3 26.2 39.2#
59 14.5 10.5 15.7





#21
1,1-Dichloroethane
Concen: 18.493 ug/l
RT: 6.565 min Scan# 784
Delta R.T. -0.019 min
Lab File: VN077666.D
Acq: 12 May 2023 11:39

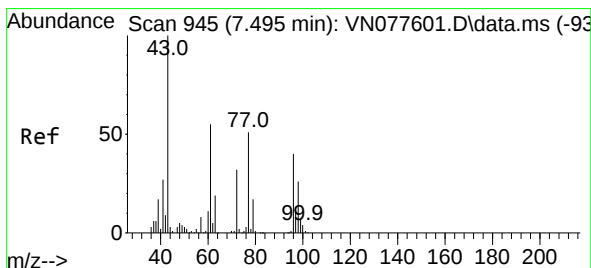
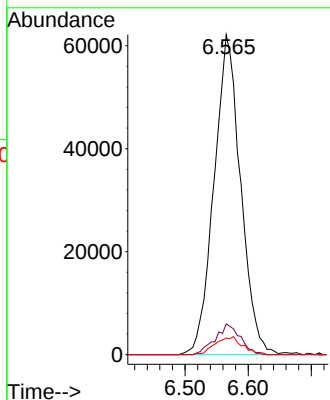
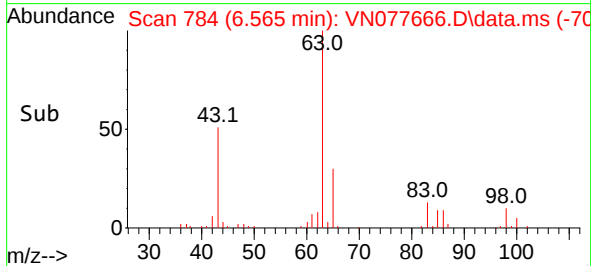
Instrument :
MSVOA_N
ClientSampleId :
VN0512WBS01



Tgt Ion: 63 Resp: 181840
Ion Ratio Lower Upper
63 100
98 9.6 4.3 13.1
100 5.2 2.3 6.8

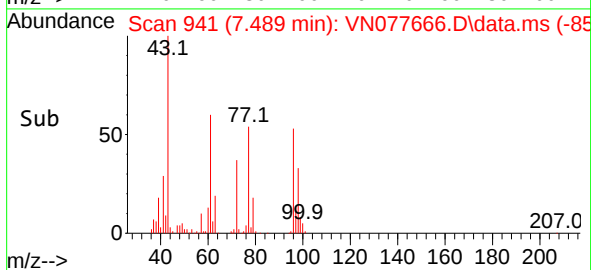
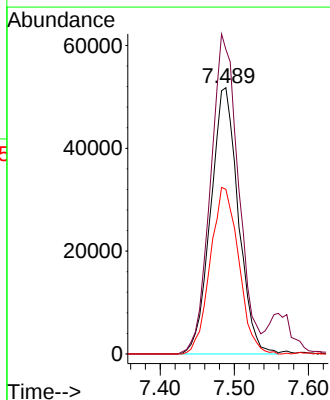
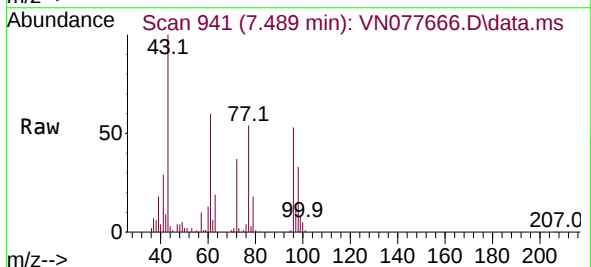
Manual Integrations
APPROVED

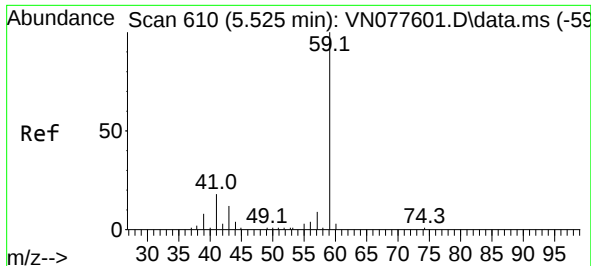
Reviewed By :John Carlone 05/15/2023
Supervised By :Mahesh Dadoda 05/15/2023



#22
cis-1,2-Dichloroethene
Concen: 18.652 ug/l
RT: 7.489 min Scan# 941
Delta R.T. -0.006 min
Lab File: VN077666.D
Acq: 12 May 2023 11:39

Tgt Ion: 96 Resp: 134259
Ion Ratio Lower Upper
96 100
61 121.2 109.4 164.0
98 64.1 51.2 76.8





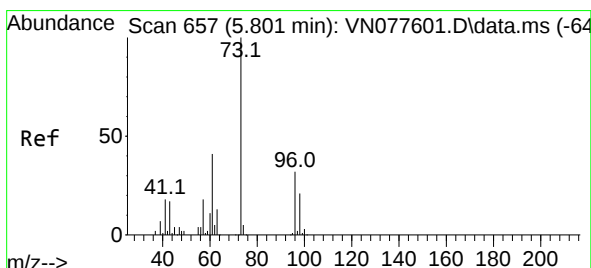
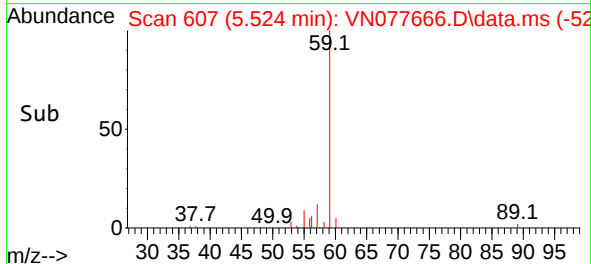
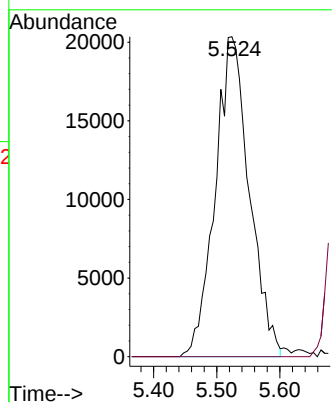
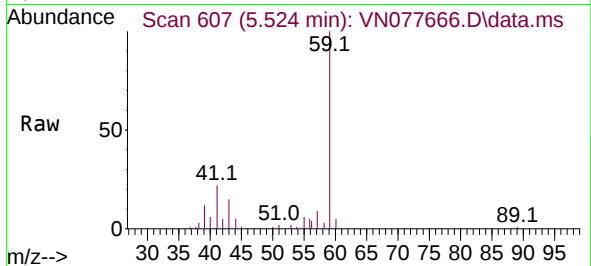
#23
tert-Butyl Alcohol
Concen: 100.064 ug/l
RT: 5.524 min Scan# 607
Delta R.T. -0.001 min
Lab File: VN077666.D
Acq: 12 May 2023 11:39

Instrument :
MSVOA_N
ClientSampleId :
VN0512WBS01

Tgt Ion: 59 Resp: 7653
Ion Ratio Lower Upper
59 100
52 0.0 0.0 0.0

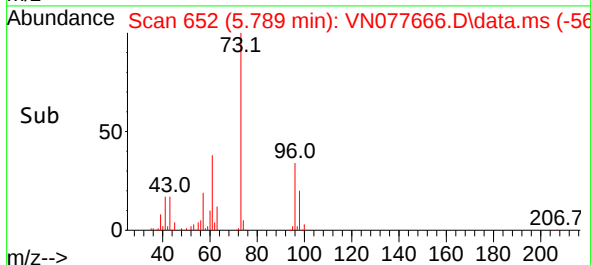
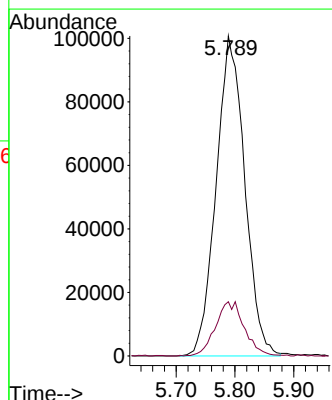
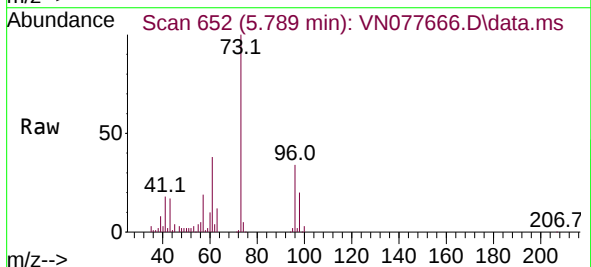
Manual Integrations
APPROVED

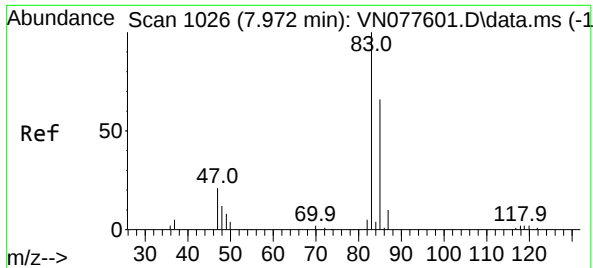
Reviewed By :John Carlone 05/15/2023
Supervised By :Mahesh Dadoda 05/15/2023



#24
Methyl tert-Butyl Ether
Concen: 18.924 ug/l
RT: 5.789 min Scan# 652
Delta R.T. -0.012 min
Lab File: VN077666.D
Acq: 12 May 2023 11:39

Tgt Ion: 73 Resp: 340124
Ion Ratio Lower Upper
73 100
43 10.1 14.3 21.5





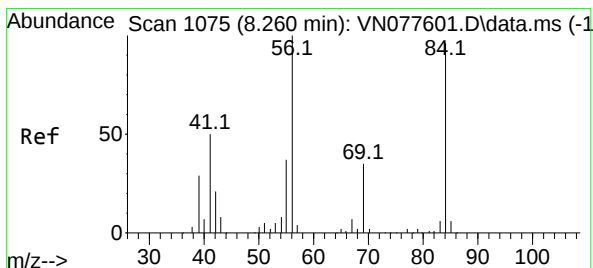
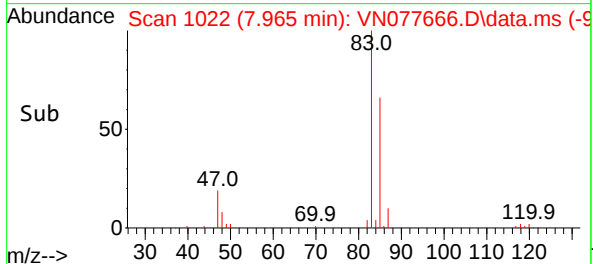
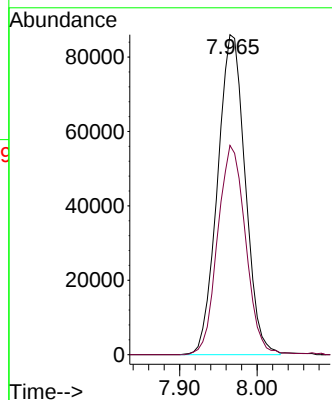
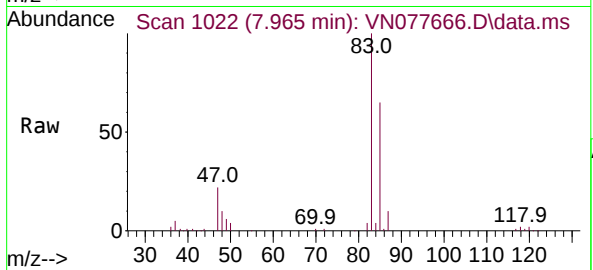
#25
Chloroform
Concen: 18.231 ug/l
RT: 7.965 min Scan# 1022
Delta R.T. -0.007 min
Lab File: VN077666.D
Acq: 12 May 2023 11:39

Instrument :
MSVOA_N
ClientSampleId :
VN0512WBS01

Tgt Ion: 83 Resp: 21368
Ion Ratio Lower Upper
83 100
85 65.4 53.0 79.6

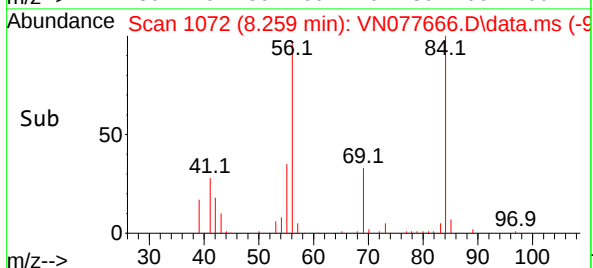
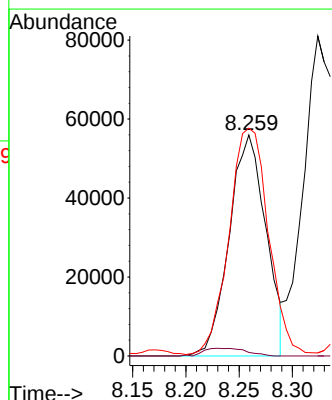
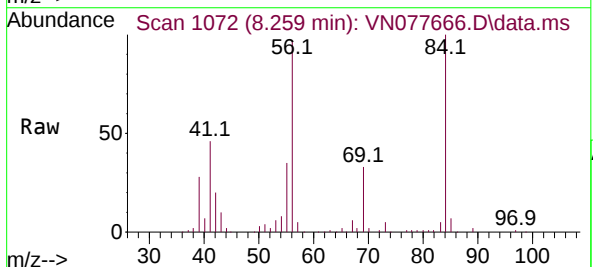
Manual Integrations
APPROVED

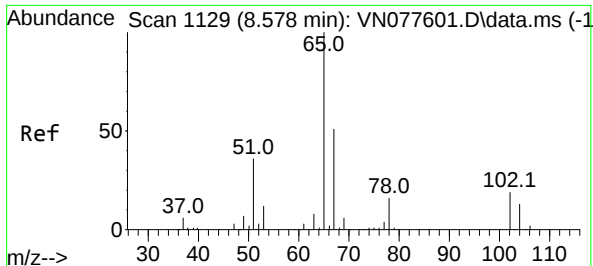
Reviewed By :John Carlone 05/15/2023
Supervised By :Mahesh Dadoda 05/15/2023



#26
Cyclohexane
Concen: 16.634 ug/l
RT: 8.259 min Scan# 1072
Delta R.T. -0.001 min
Lab File: VN077666.D
Acq: 12 May 2023 11:39

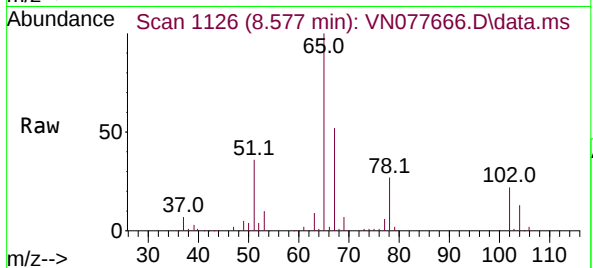
Tgt Ion: 56 Resp: 134273
Ion Ratio Lower Upper
56 100
89 4.0 0.0 0.0#
84 111.5 84.6 126.8





#27
1,2-Dichloroethane-d4
Concen: 28.240 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. -0.001 min
Lab File: VN077666.D
Acq: 12 May 2023 11:39

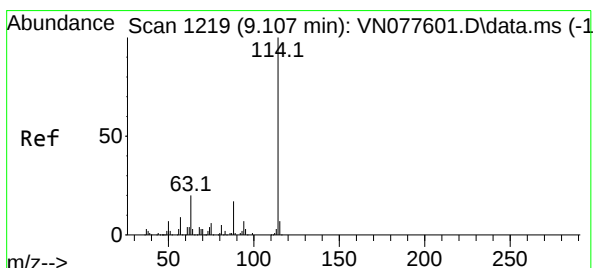
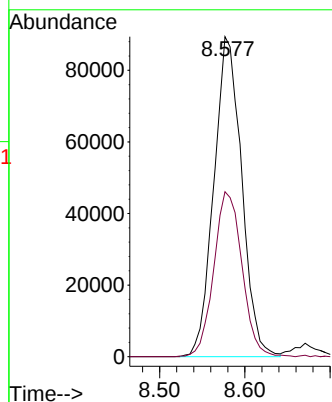
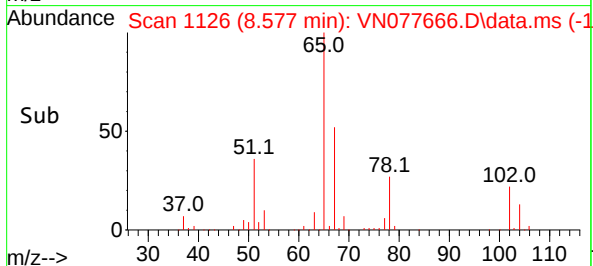
Instrument :
MSVOA_N
ClientSampleId :
VN0512WBS01



Tgt Ion: 65 Resp: 20239
Ion Ratio Lower Upper
65 100
67 52.3 41.3 61.9

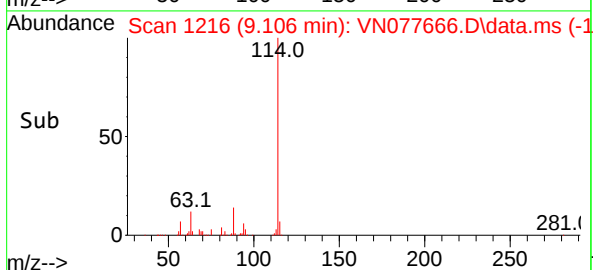
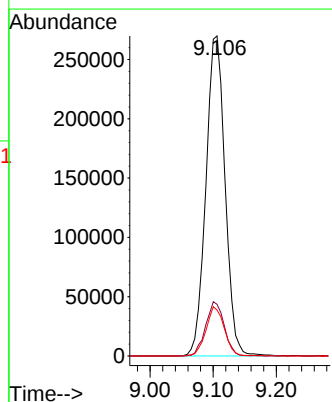
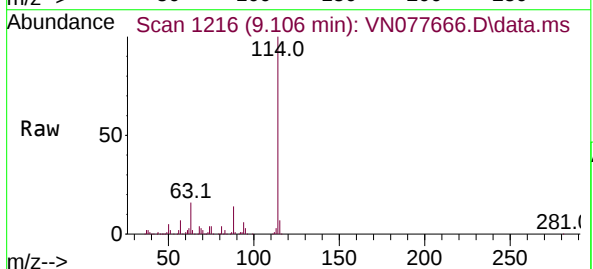
Manual Integrations
APPROVED

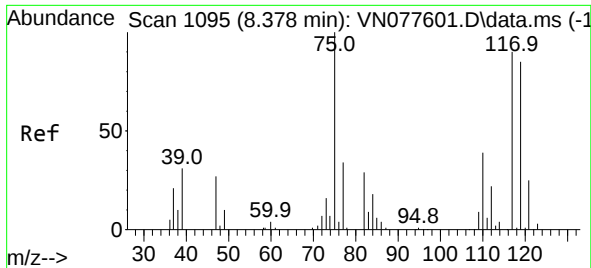
Reviewed By :John Carlone 05/15/2023
Supervised By :Mahesh Dadoda 05/15/2023



#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 9.106 min Scan# 1216
Delta R.T. -0.001 min
Lab File: VN077666.D
Acq: 12 May 2023 11:39

Tgt Ion:114 Resp: 568259
Ion Ratio Lower Upper
114 100
63 16.5 15.8 23.6
88 14.7 13.0 19.4





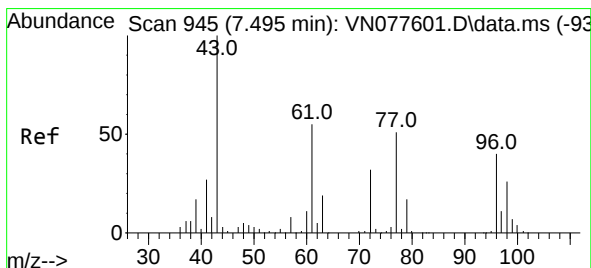
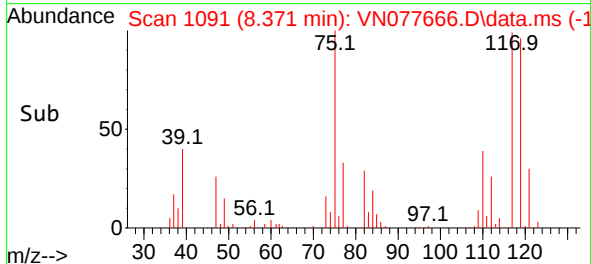
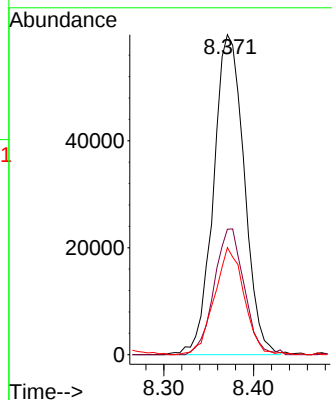
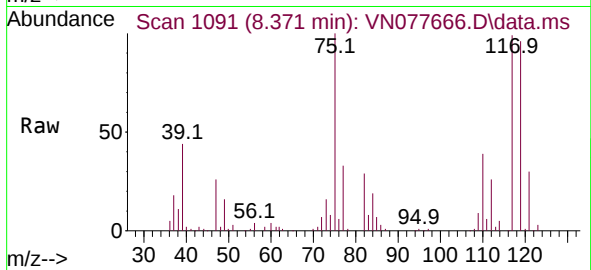
#29
1,1-Dichloropropene
Concen: 17.337 ug/l
RT: 8.371 min Scan# 1091
Delta R.T. -0.007 min
Lab File: VN077666.D
Acq: 12 May 2023 11:39

Instrument :
MSVOA_N
ClientSampleId :
VN0512WBS01

Tgt Ion: 75 Resp: 14182
Ion Ratio Lower Upper
75 100
110 38.3 0.0 69.8
77 32.4 0.0 61.4

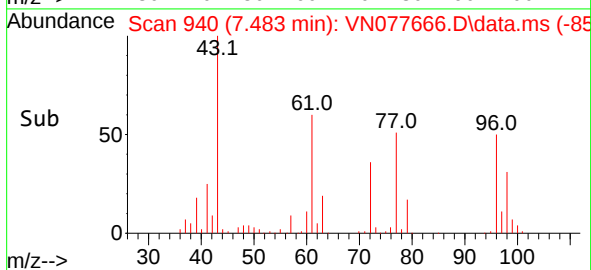
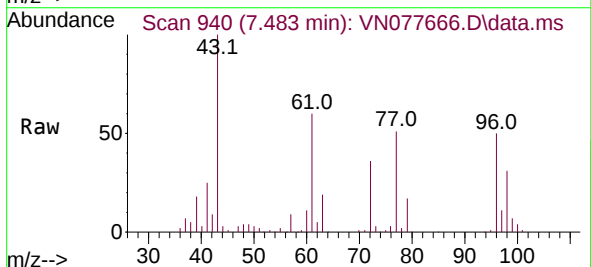
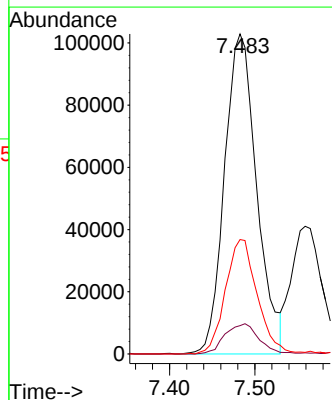
Manual Integrations
APPROVED

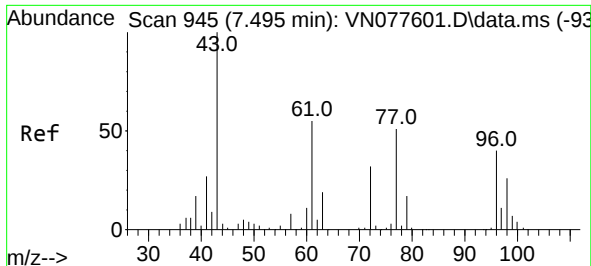
Reviewed By :John Carlone 05/15/2023
Supervised By :Mahesh Dadoda 05/15/2023



#30
2-Butanone
Concen: 124.164 ug/l
RT: 7.483 min Scan# 940
Delta R.T. -0.012 min
Lab File: VN077666.D
Acq: 12 May 2023 11:39

Tgt Ion: 43 Resp: 270745
Ion Ratio Lower Upper
43 100
57 9.8 7.2 10.8
72 35.2 26.2 39.2





#31

2,2-Dichloropropane

Concen: 16.491 ug/l

RT: 7.494 min Scan# 94

Delta R.T. -0.001 min

Lab File: VN077666.D

Acq: 12 May 2023 11:39

Instrument :

MSVOA_N

ClientSampleId :

VN0512WBS01

Tgt Ion: 77 Resp: 157170

Ion Ratio Lower Upper

77 100

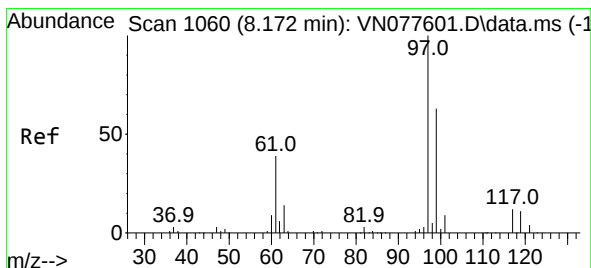
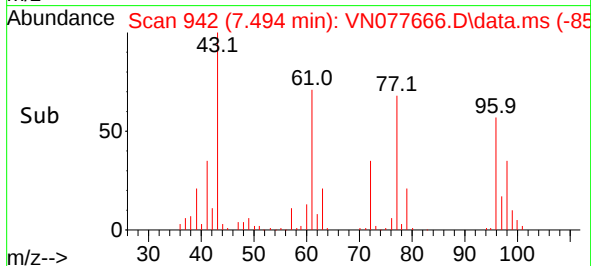
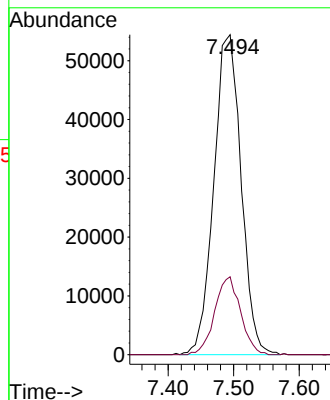
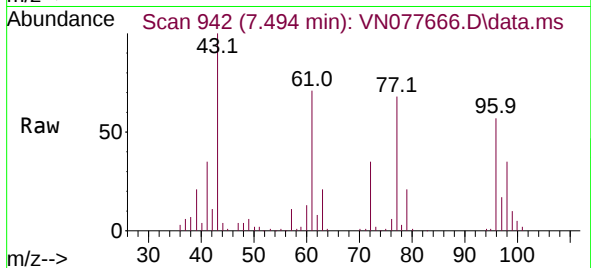
97 23.0 19.1 28.7

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/15/2023

Supervised By :Mahesh Dadoda 05/15/2023



#32

1,1,1-Trichloroethane

Concen: 17.643 ug/l

RT: 8.171 min Scan# 1057

Delta R.T. -0.001 min

Lab File: VN077666.D

Acq: 12 May 2023 11:39

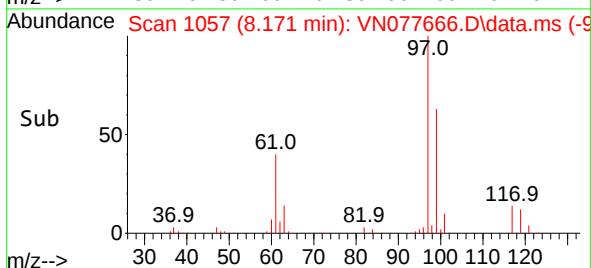
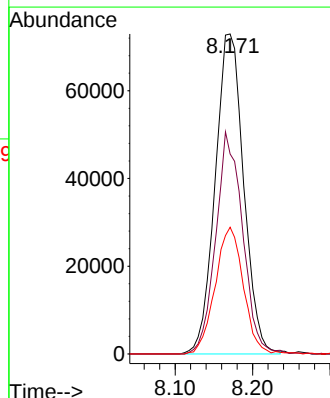
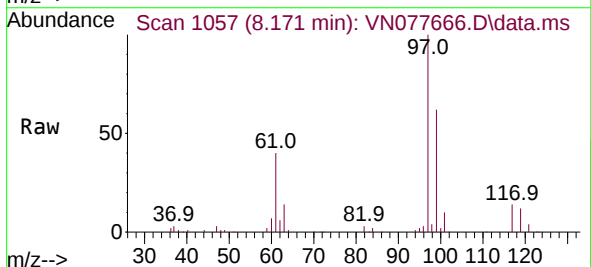
Tgt Ion: 97 Resp: 186793

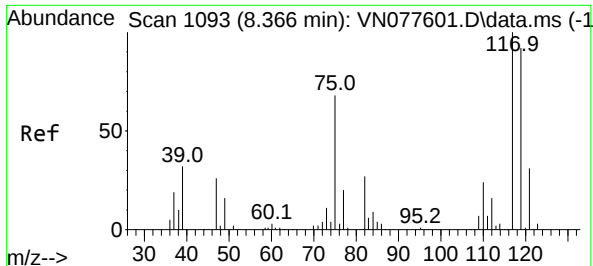
Ion Ratio Lower Upper

97 100

99 65.0 53.1 79.7

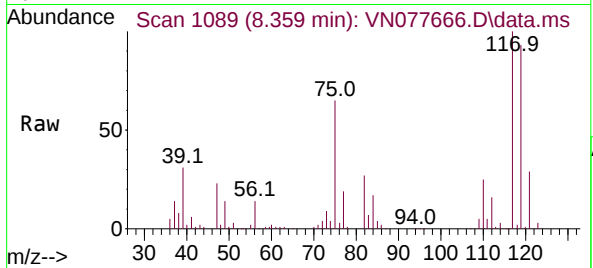
61 38.9 35.1 52.7





#33
Carbon Tetrachloride
Concen: 18.321 ug/l
RT: 8.359 min Scan# 1109
Delta R.T. -0.007 min
Lab File: VN077666.D
Acq: 12 May 2023 11:39

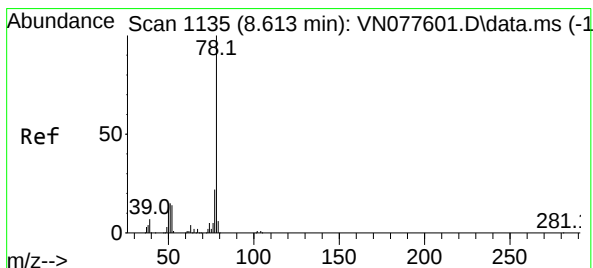
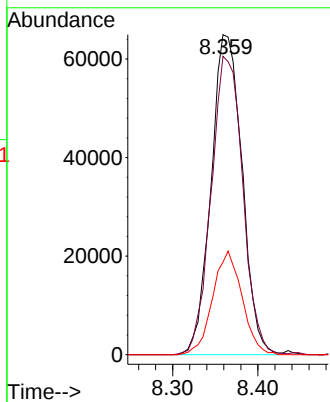
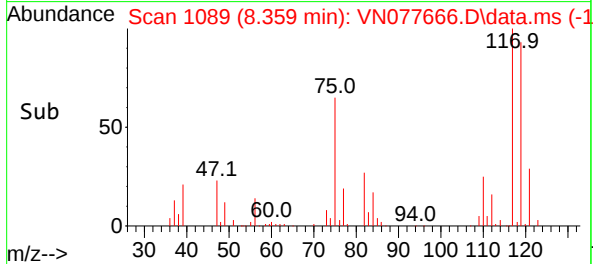
Instrument :
MSVOA_N
ClientSampleId :
VN0512WBS01



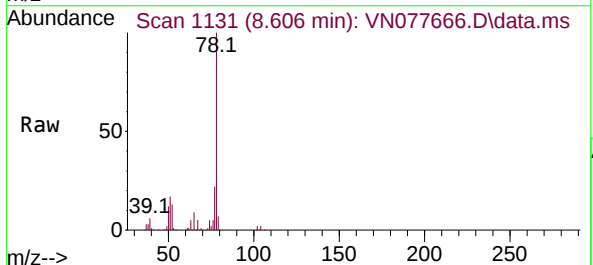
Tgt Ion: 117 Resp: 16403
Ion Ratio Lower Upper
117 100
119 93.0 73.9 110.9
121 29.0 25.0 37.4

Manual Integrations
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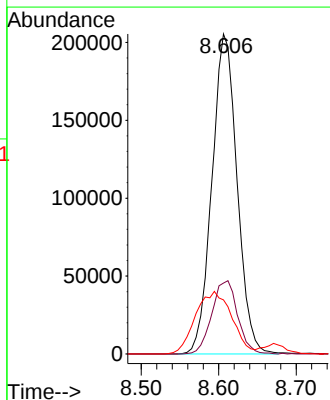
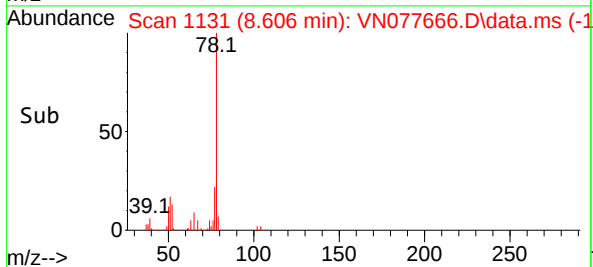
Reviewed By :John Carlone 05/15/2023
Supervised By :Mahesh Dadoda 05/15/2023

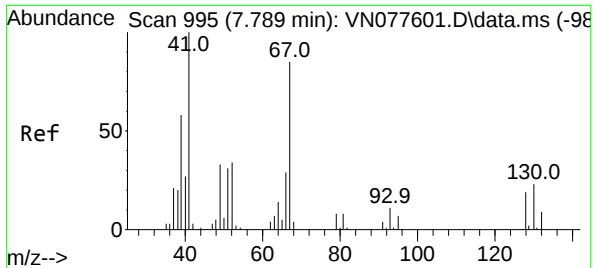


#34
Benzene
Concen: 18.787 ug/l
RT: 8.606 min Scan# 1131
Delta R.T. -0.007 min
Lab File: VN077666.D
Acq: 12 May 2023 11:39



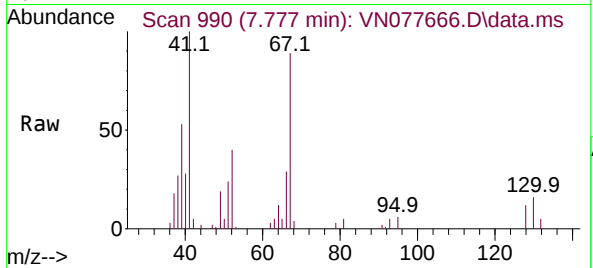
Tgt Ion: 78 Resp: 464070
Ion Ratio Lower Upper
78 100
77 22.1 17.2 25.8
51 15.7 12.3 18.5





#35
Methacrylonitrile
Concen: 22.228 ug/l
RT: 7.777 min Scan# 995
Delta R.T. -0.012 min
Lab File: VN077666.D
Acq: 12 May 2023 11:39

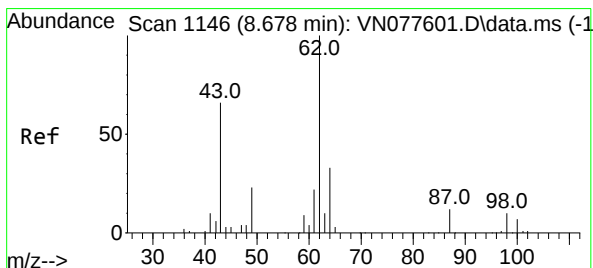
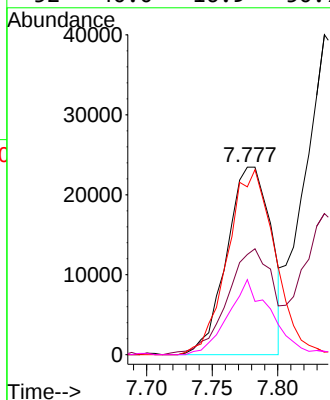
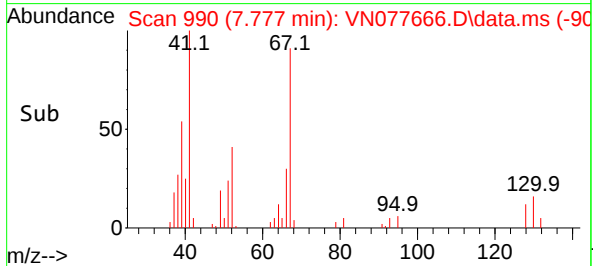
Instrument :
MSVOA_N
ClientSampleId :
VN0512WBS01



Tgt Ion: 41 Resp: 55015
Ion Ratio Lower Upper
41 100
39 51.9 28.7 86.3
67 89.5 42.7 128.1
52 40.0 16.9 50.7

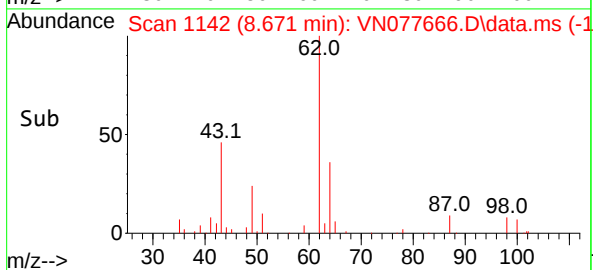
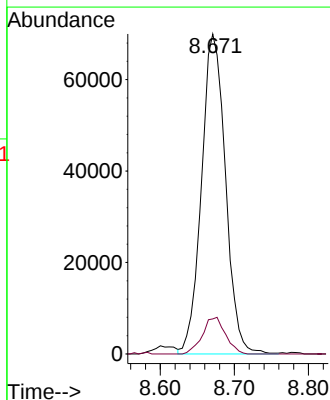
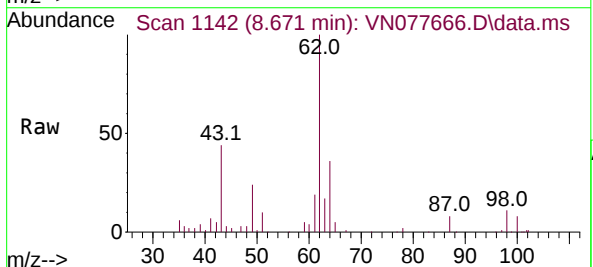
Manual Integrations
APPROVED

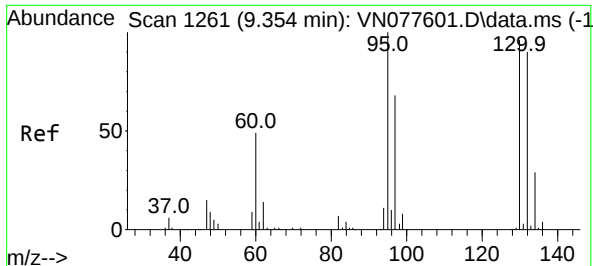
Reviewed By :John Carlone 05/15/2023
Supervised By :Mahesh Dadoda 05/15/2023



#36
1,2-Dichloroethane
Concen: 19.148 ug/l
RT: 8.671 min Scan# 1142
Delta R.T. -0.007 min
Lab File: VN077666.D
Acq: 12 May 2023 11:39

Tgt Ion: 62 Resp: 157686
Ion Ratio Lower Upper
62 100
98 11.0 7.6 11.4





#37

Trichloroethene

Concen: 20.095 ug/l

RT: 9.353 min Scan# 11

Delta R.T. -0.001 min

Lab File: VN077666.D

Acq: 12 May 2023 11:39

Instrument :

MSVOA_N

ClientSampleId :

VN0512WBS01

Tgt Ion:130 Resp: 128310

Ion Ratio Lower Upper

130 100

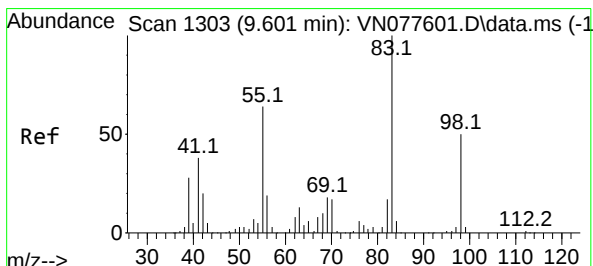
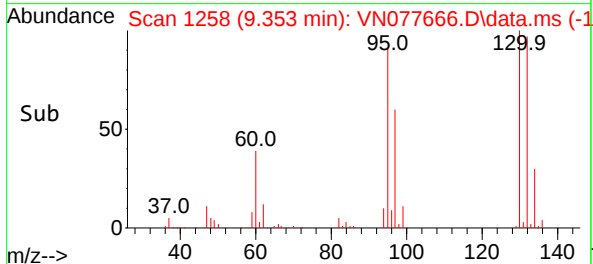
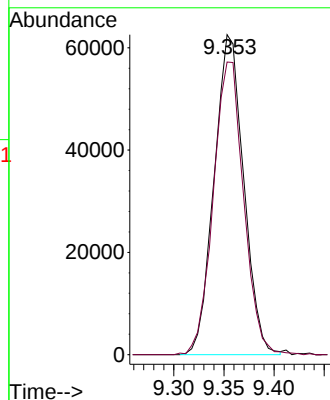
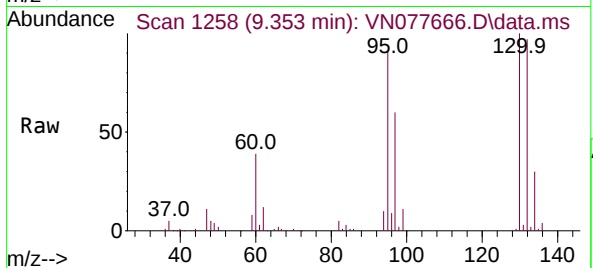
95 90.9 83.0 124.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/15/2023

Supervised By :Mahesh Dadoda 05/15/2023



#38

Methylcyclohexane

Concen: 16.625 ug/l

RT: 9.600 min Scan# 1300

Delta R.T. -0.001 min

Lab File: VN077666.D

Acq: 12 May 2023 11:39

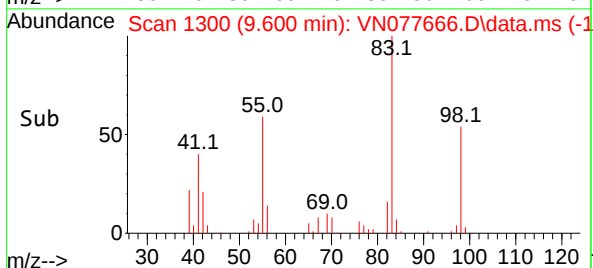
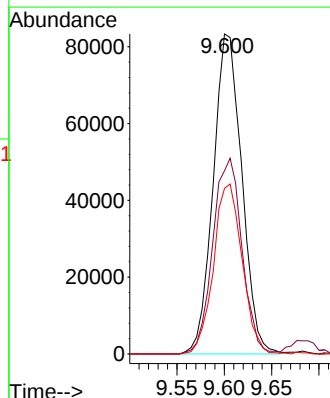
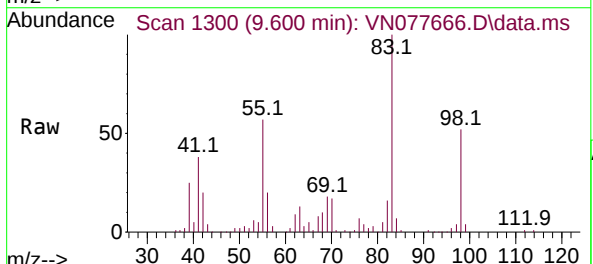
Tgt Ion: 83 Resp: 175112

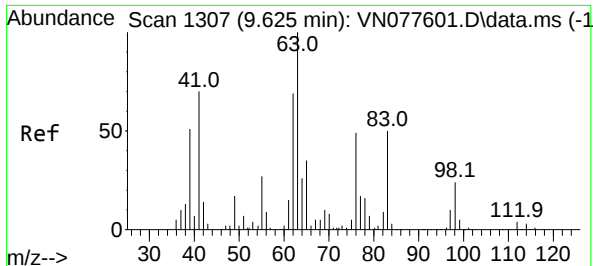
Ion Ratio Lower Upper

83 100

55 62.4 33.6 100.8

98 53.2 25.3 75.8





#39

1,2-Dichloropropane

Concen: 18.644 ug/l

RT: 9.624 min Scan# 1304

Delta R.T. -0.001 min

Lab File: VN077666.D

Acq: 12 May 2023 11:39

Instrument :

MSVOA_N

ClientSampleId :

VN0512WBS01

Tgt Ion: 63 Resp: 10662

Ion Ratio Lower Upper

63 100

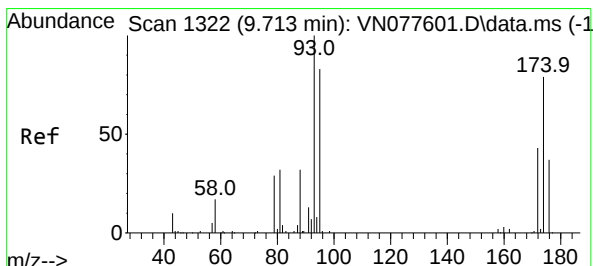
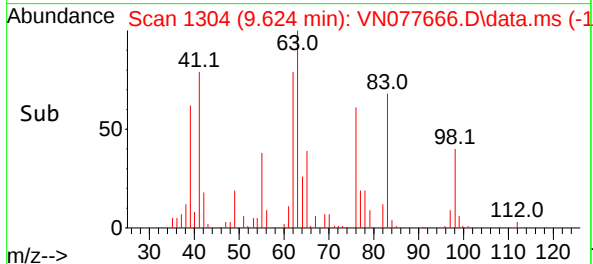
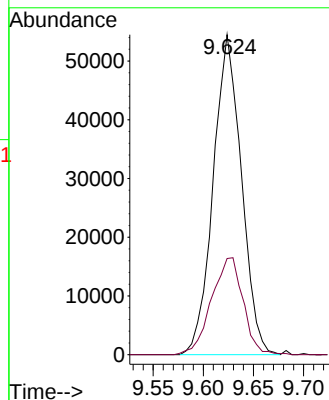
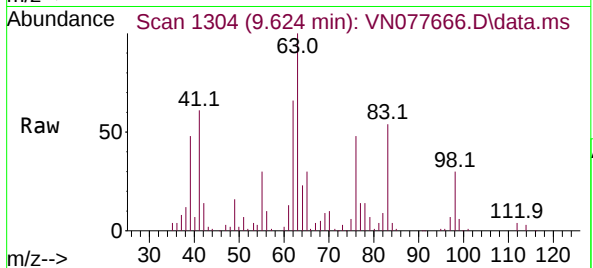
65 29.7 28.2 42.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/15/2023

Supervised By :Mahesh Dadoda 05/15/2023



#40

Dibromomethane

Concen: 18.526 ug/l

RT: 9.712 min Scan# 1319

Delta R.T. -0.001 min

Lab File: VN077666.D

Acq: 12 May 2023 11:39

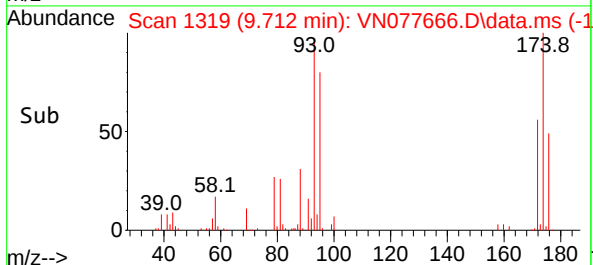
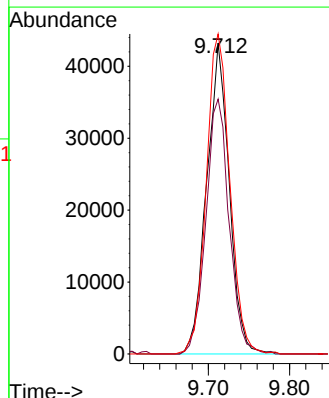
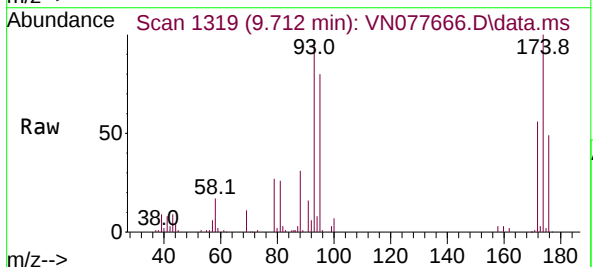
Tgt Ion: 93 Resp: 83526

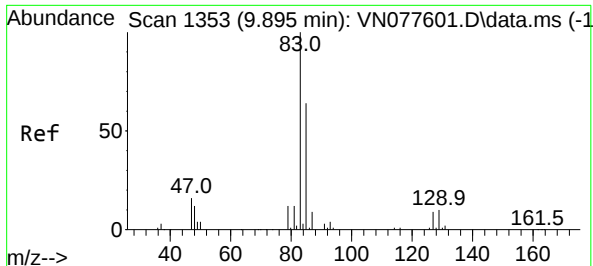
Ion Ratio Lower Upper

93 100

95 84.2 0.0 164.0

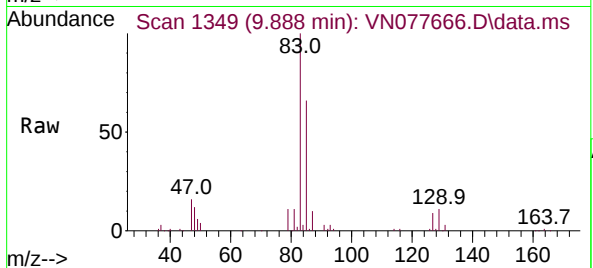
174 107.6 0.0 157.0





#41
Bromodichloromethane
Concen: 17.756 ug/l
RT: 9.888 min Scan# 11
Delta R.T. -0.007 min
Lab File: VN077666.D
Acq: 12 May 2023 11:39

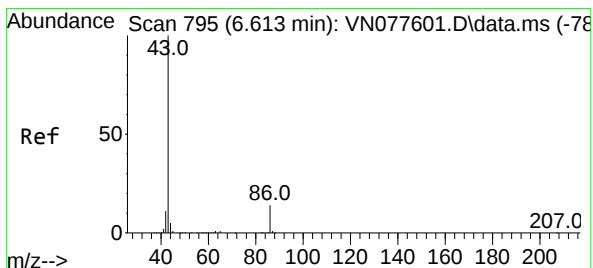
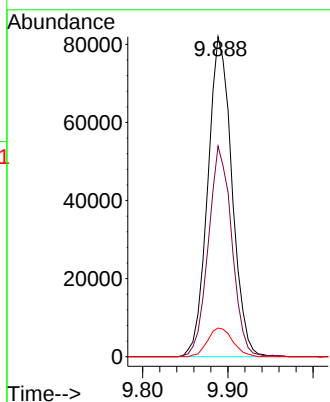
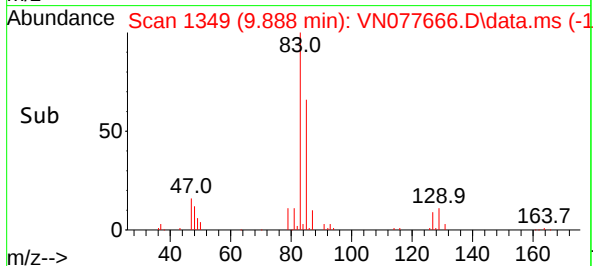
Instrument :
MSVOA_N
ClientSampleId :
VN0512WBS01



Tgt Ion: 83 Resp: 161209
Ion Ratio Lower Upper
83 100
85 65.8 51.2 76.8
127 9.0 7.3 10.9

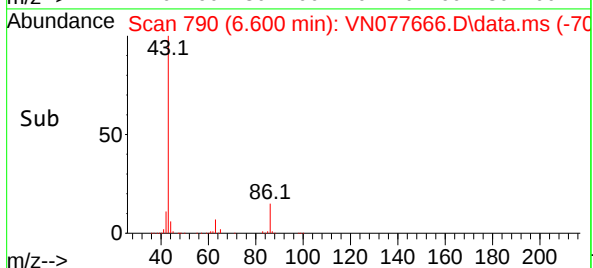
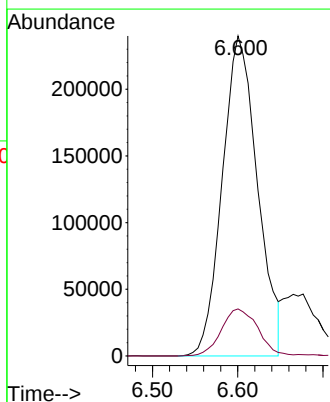
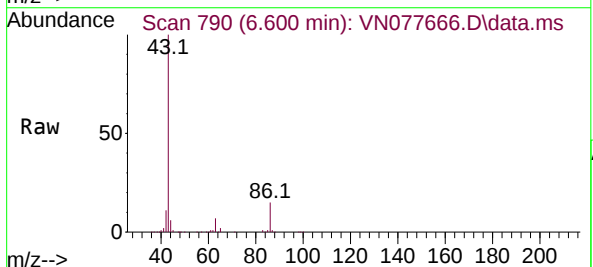
Manual Integrations
APPROVED

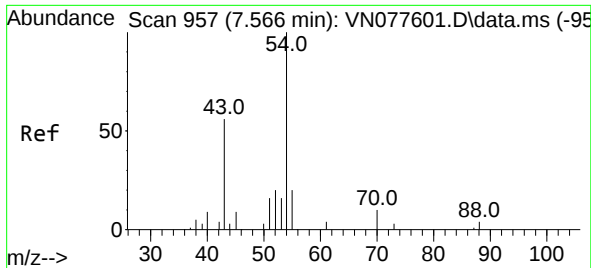
Reviewed By :John Carlone 05/15/2023
Supervised By :Mahesh Dadoda 05/15/2023



#42
Vinyl Acetate
Concen: 85.296 ug/l
RT: 6.600 min Scan# 790
Delta R.T. -0.013 min
Lab File: VN077666.D
Acq: 12 May 2023 11:39

Tgt Ion: 43 Resp: 689924
Ion Ratio Lower Upper
43 100
86 15.3 10.3 15.5





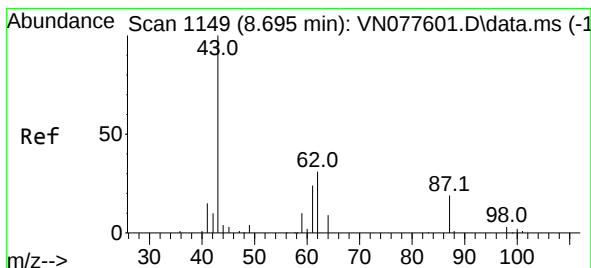
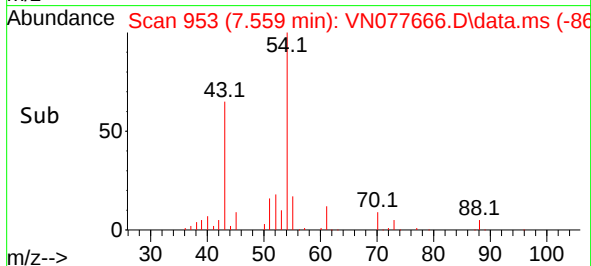
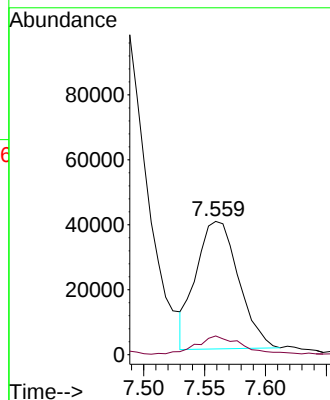
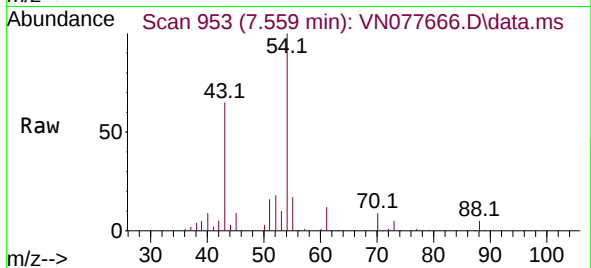
#43
Ethyl Acetate
Concen: 20.338 ug/l
RT: 7.559 min Scan# 91
Delta R.T. -0.007 min
Lab File: VN077666.D
Acq: 12 May 2023 11:39

Instrument :
MSVOA_N
ClientSampleId :
VN0512WBS01

Tgt Ion: 43 Resp: 95308
Ion Ratio Lower Upper
43 100
45 16.3 8.2 12.4

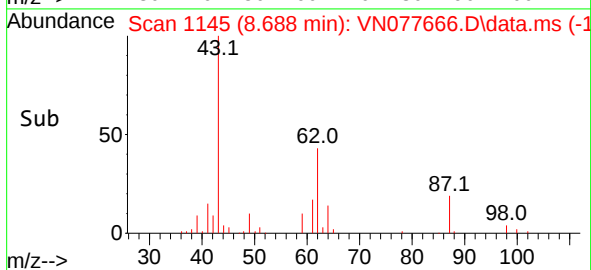
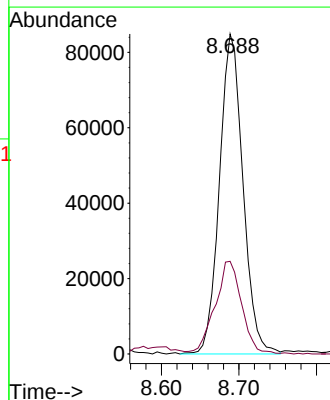
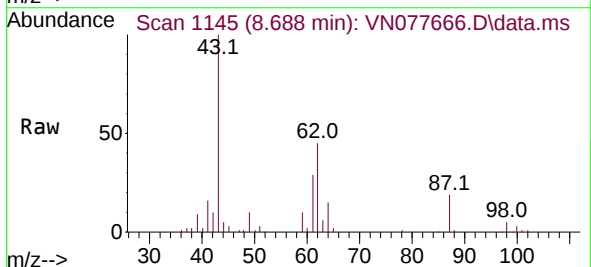
Manual Integrations
APPROVED

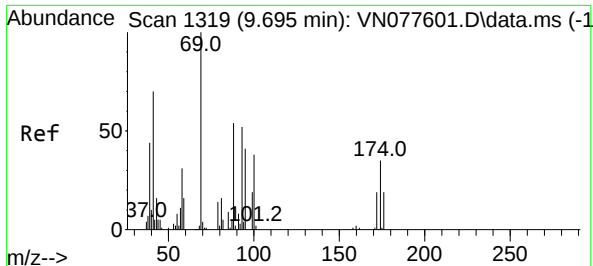
Reviewed By :John Carlone 05/15/2023
Supervised By :Mahesh Dadoda 05/15/2023



#44
Isopropyl Acetate
Concen: 20.874 ug/l
RT: 8.688 min Scan# 1145
Delta R.T. -0.007 min
Lab File: VN077666.D
Acq: 12 May 2023 11:39

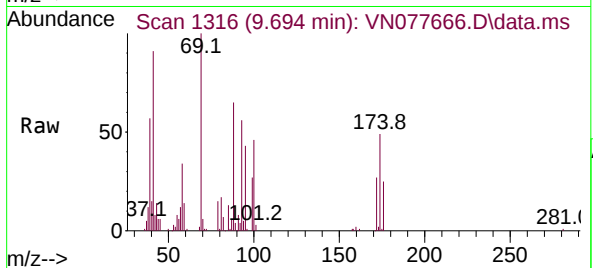
Tgt Ion: 43 Resp: 179108
Ion Ratio Lower Upper
43 100
61 32.9 23.2 34.8





#45
1,4-Dioxane
Concen: 421.458 ug/l
RT: 9.694 min Scan# 1319
Delta R.T. -0.001 min
Lab File: VN077666.D
Acq: 12 May 2023 11:39

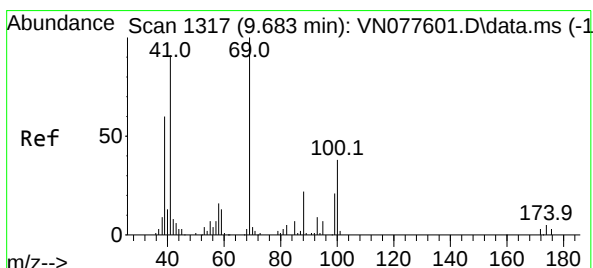
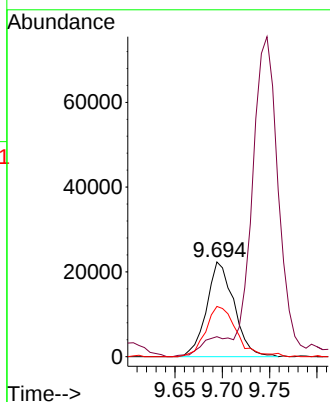
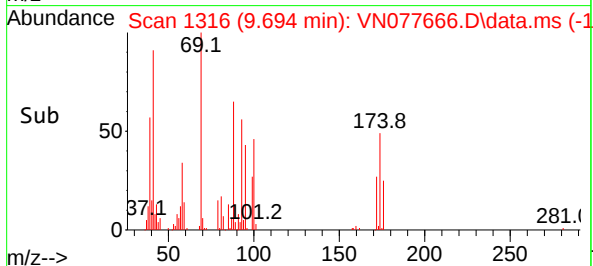
Instrument :
MSVOA_N
ClientSampleId :
VN0512WBS01



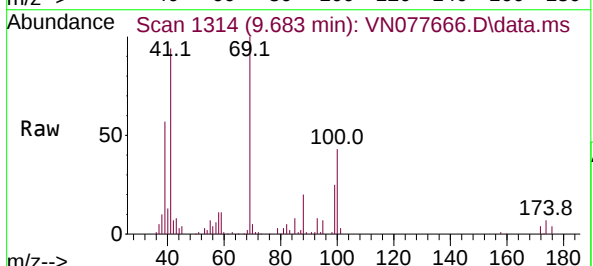
Tgt Ion: 88 Resp: 44952
Ion Ratio Lower Upper
88 100
43 21.3 18.2 27.2
58 58.6 47.5 71.3

Manual Integrations
APPROVED

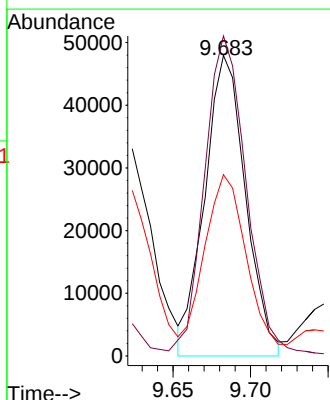
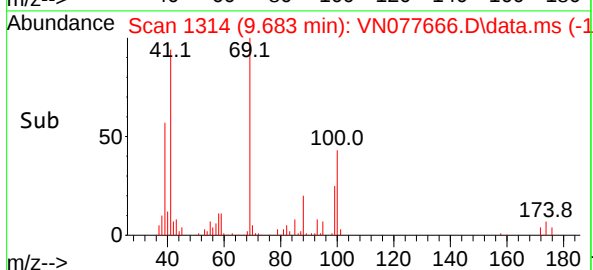
Reviewed By :John Carlone 05/15/2023
Supervised By :Mahesh Dadoda 05/15/2023

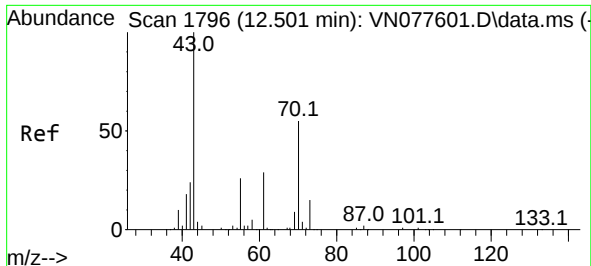


#46
Methyl methacrylate
Concen: 22.764 ug/l
RT: 9.683 min Scan# 1314
Delta R.T. -0.000 min
Lab File: VN077666.D
Acq: 12 May 2023 11:39



Tgt Ion: 41 Resp: 87721
Ion Ratio Lower Upper
41 100
69 106.1 52.0 156.0
39 59.2 33.6 100.6





#47

n-amy1 Acetate

Concen: 19.871 ug/l

RT: 12.500 min Scan# 11

Delta R.T. -0.001 min

Lab File: VN077666.D

Acq: 12 May 2023 11:39

Instrument :

MSVOA_N

ClientSampleId :

VN0512WBS01

Tgt Ion: 43 Resp: 14684

Ion Ratio Lower Upper

43 100

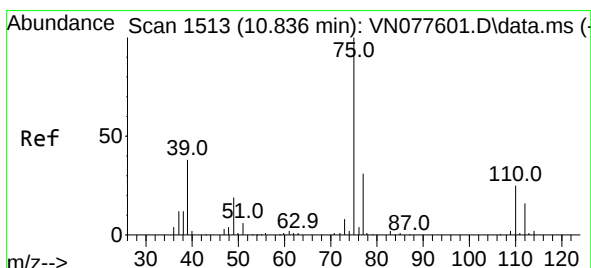
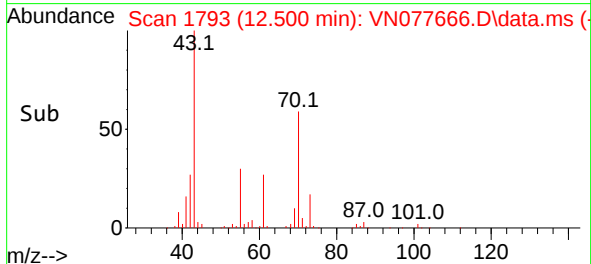
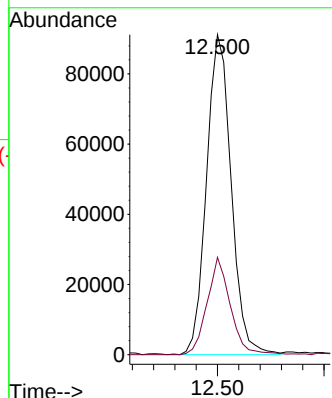
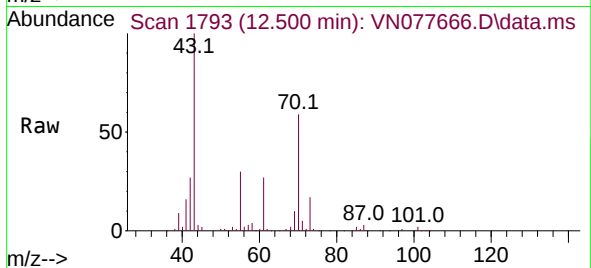
55 28.6 21.4 32.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/15/2023

Supervised By :Mahesh Dadoda 05/15/2023



#48

t-1,3-Dichloropropene

Concen: 17.023 ug/l

RT: 10.841 min Scan# 1511

Delta R.T. 0.005 min

Lab File: VN077666.D

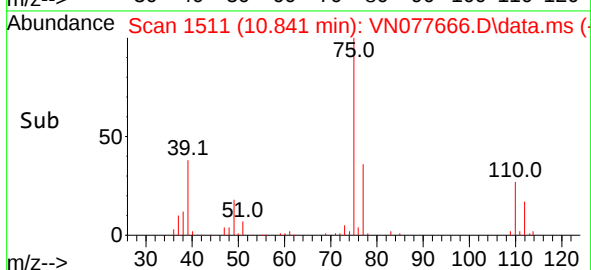
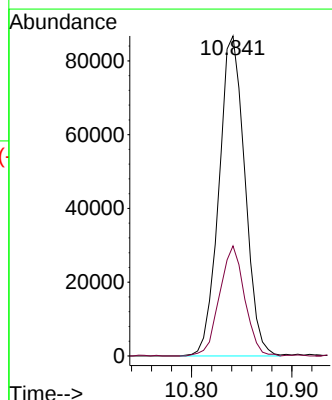
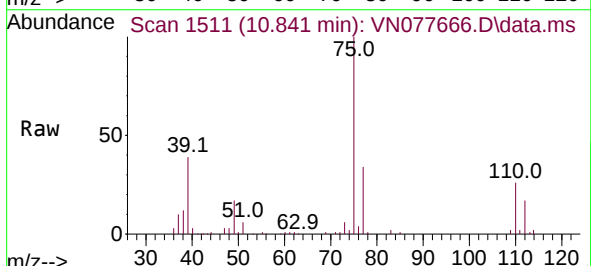
Acq: 12 May 2023 11:39

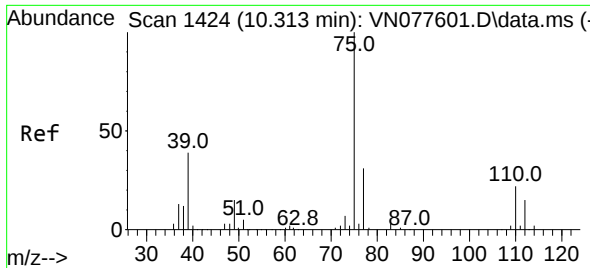
Tgt Ion: 75 Resp: 155812

Ion Ratio Lower Upper

75 100

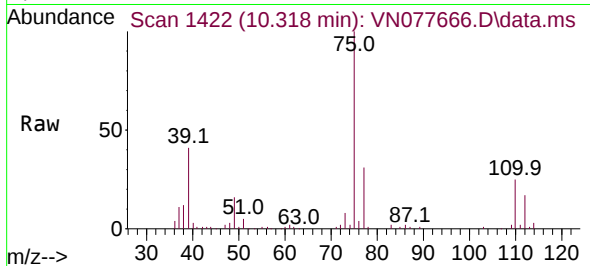
77 34.4 25.1 37.7





#49
 cis-1,3-Dichloropropene
 Concen: 17.322 ug/l
 RT: 10.318 min Scan# 1422
 Delta R.T. 0.005 min
 Lab File: VN077666.D
 Acq: 12 May 2023 11:39

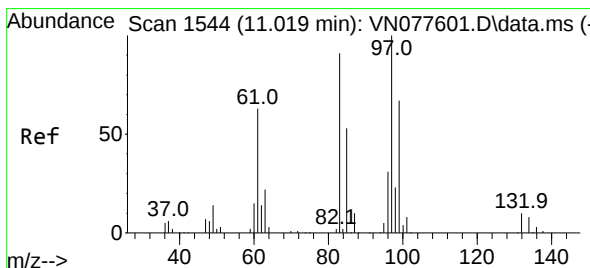
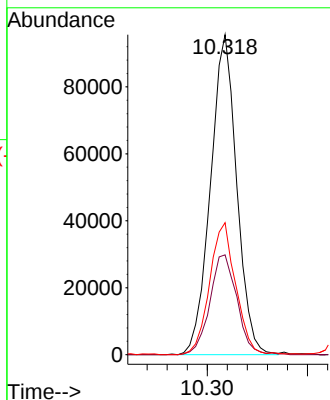
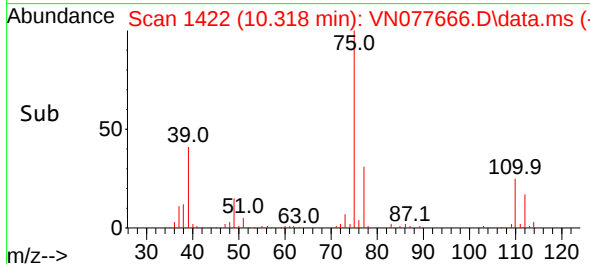
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0512WBS01



Tgt Ion: 75 Resp: 17377
 Ion Ratio Lower Upper
 75 100
 77 31.2 24.7 37.1
 39 41.3 31.0 46.6

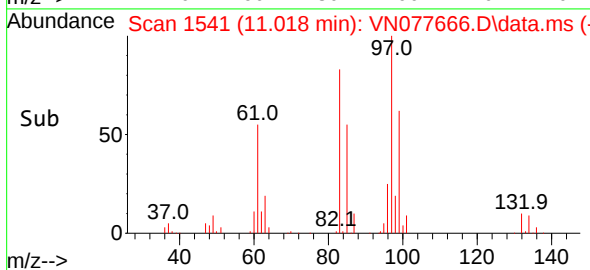
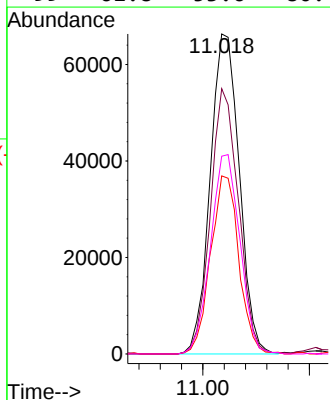
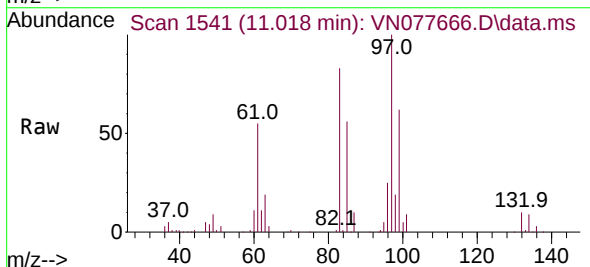
Manual Integrations
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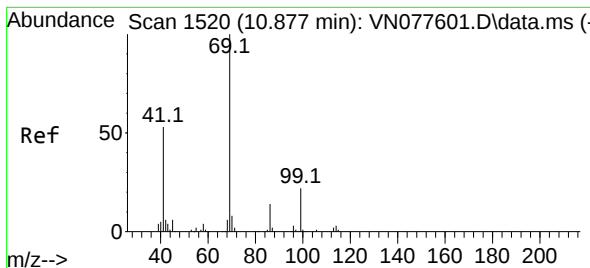
Reviewed By :John Carlone 05/15/2023
 Supervised By :Mahesh Dadoda 05/15/2023



#50
 1,1,2-Trichloroethane
 Concen: 19.378 ug/l
 RT: 11.018 min Scan# 1541
 Delta R.T. -0.001 min
 Lab File: VN077666.D
 Acq: 12 May 2023 11:39

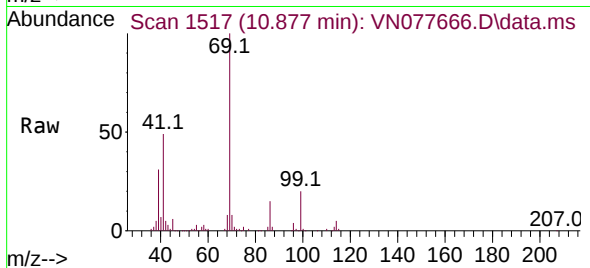
Tgt Ion: 97 Resp: 125821
 Ion Ratio Lower Upper
 97 100
 83 82.9 72.6 108.8
 85 55.7 42.6 63.8
 99 61.8 53.6 80.4





#51
Ethyl methacrylate
Concen: 19.566 ug/l
RT: 10.877 min Scan# 1520
Delta R.T. -0.000 min
Lab File: VN077666.D
Acq: 12 May 2023 11:39

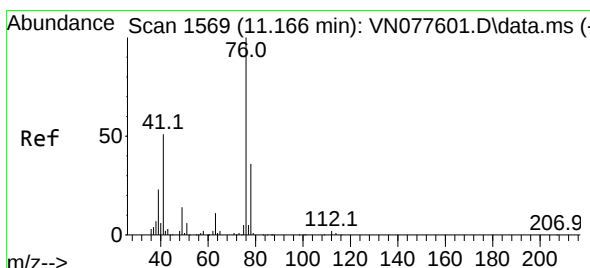
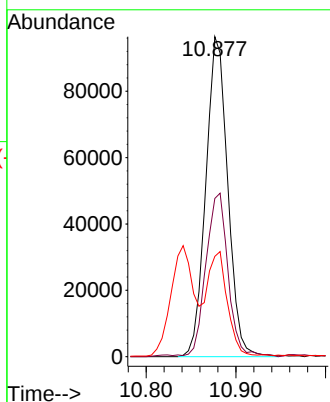
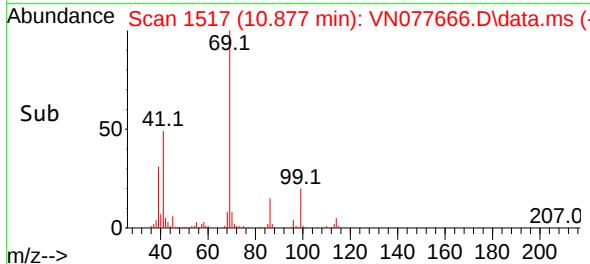
Instrument :
MSVOA_N
ClientSampleId :
VN0512WBS01



Tgt Ion: 69 Resp: 164000
Ion Ratio Lower Upper
69 100
41 49.4 26.3 78.9
39 30.9 18.1 54.1

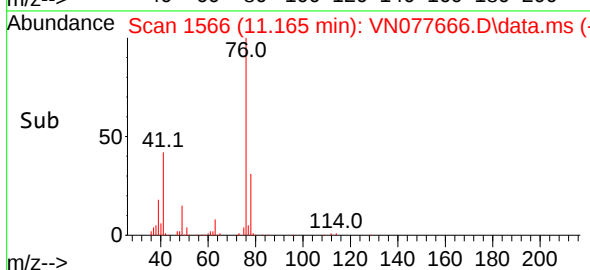
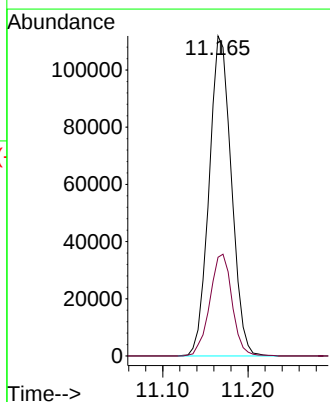
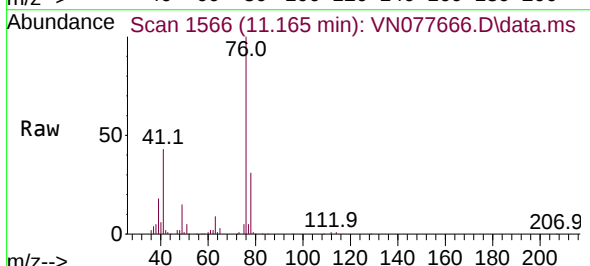
Manual Integrations
APPROVED

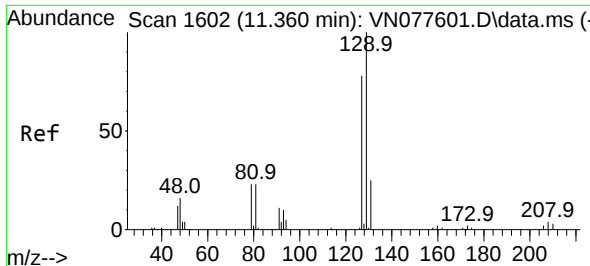
Reviewed By :John Carlone 05/15/2023
Supervised By :Mahesh Dadoda 05/15/2023



#52
1,3-Dichloropropane
Concen: 19.339 ug/l
RT: 11.165 min Scan# 1566
Delta R.T. -0.001 min
Lab File: VN077666.D
Acq: 12 May 2023 11:39

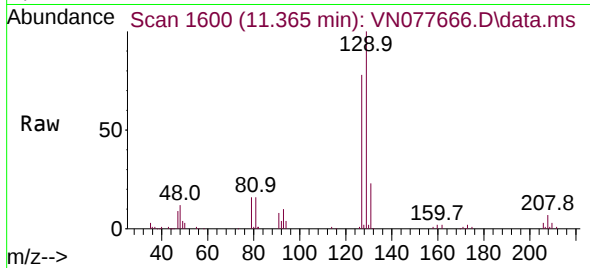
Tgt Ion: 76 Resp: 203027
Ion Ratio Lower Upper
76 100
78 31.9 0.0 66.4





#53
Dibromochloromethane
Concen: 18.925 ug/l
RT: 11.365 min Scan# 1600
Delta R.T. 0.005 min
Lab File: VN077666.D
Acq: 12 May 2023 11:39

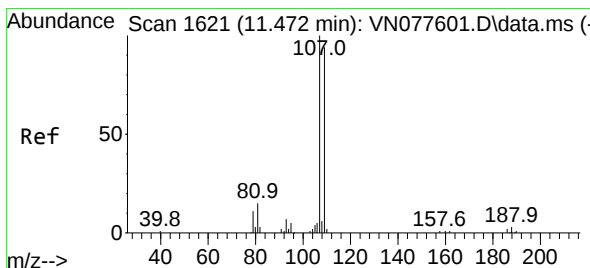
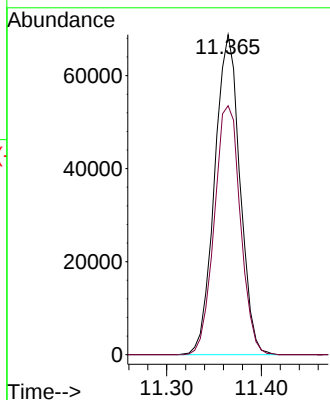
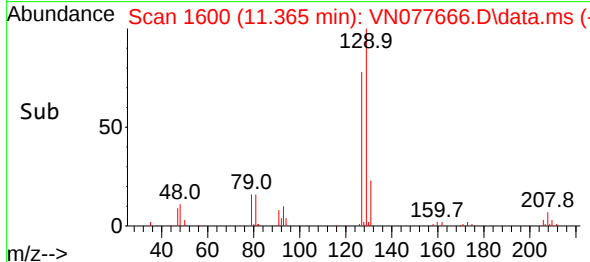
Instrument :
MSVOA_N
ClientSampleId :
VN0512WBS01



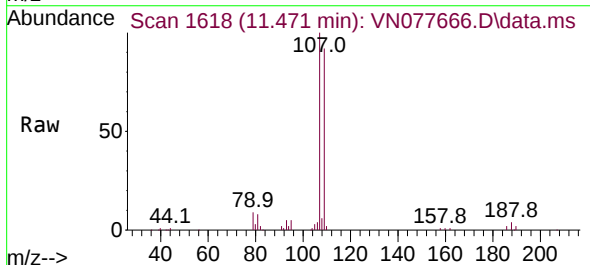
Tgt Ion:129 Resp: 12784
Ion Ratio Lower Upper
129 100
127 80.1 39.4 118.1

Manual Integrations
APPROVED

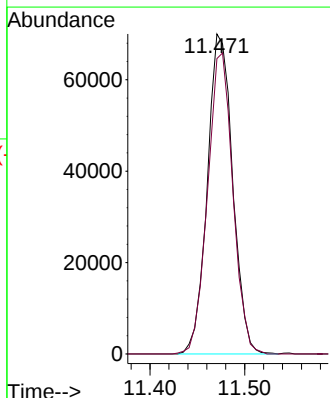
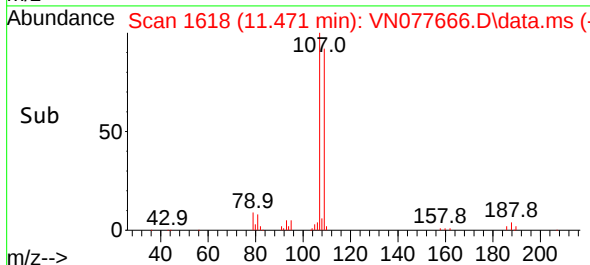
Reviewed By :John Carlone 05/15/2023
Supervised By :Mahesh Dadoda 05/15/2023

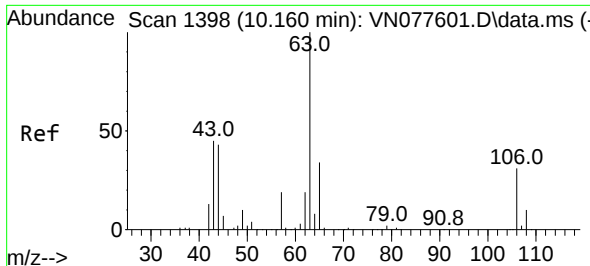


#54
1,2-Dibromoethane
Concen: 20.164 ug/l
RT: 11.471 min Scan# 1618
Delta R.T. -0.001 min
Lab File: VN077666.D
Acq: 12 May 2023 11:39



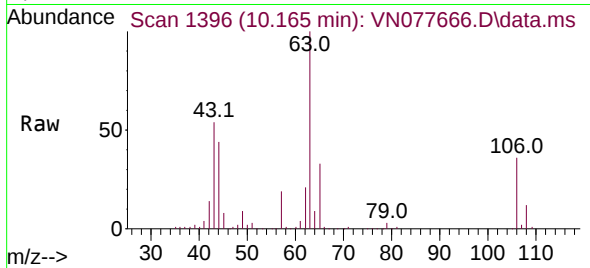
Tgt Ion:107 Resp: 130050
Ion Ratio Lower Upper
107 100
109 93.9 77.4 116.2





#55
2-Chloroethyl vinyl ether
Concen: 100.618 ug/l
RT: 10.165 min Scan# 1398
Delta R.T. 0.005 min
Lab File: VN077666.D
Acq: 12 May 2023 11:39

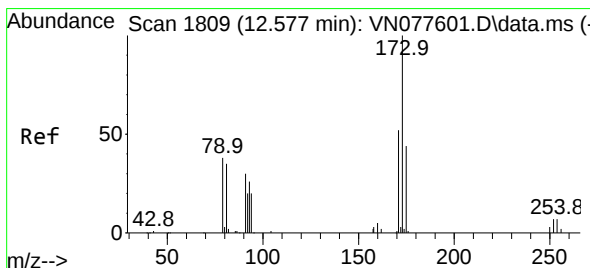
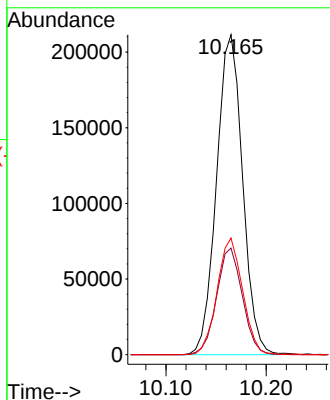
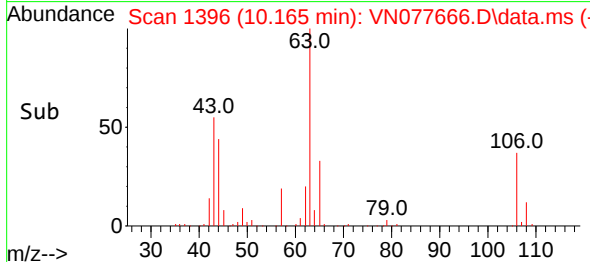
Instrument :
MSVOA_N
ClientSampleId :
VN0512WBS01



Tgt Ion: 63 Resp: 38137
Ion Ratio Lower Upper
63 100
65 32.8 26.8 40.2
106 35.5 25.6 38.4

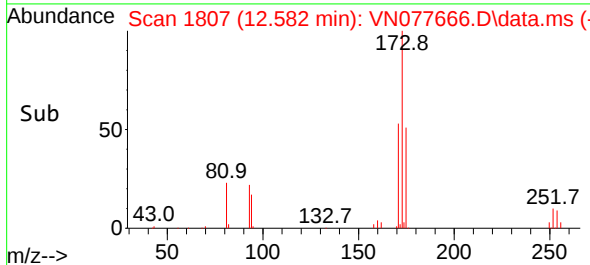
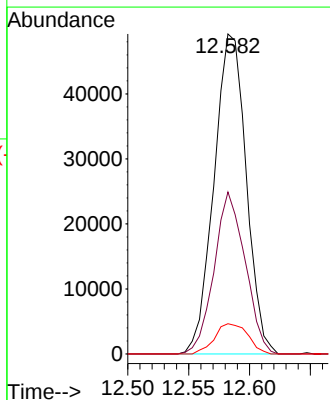
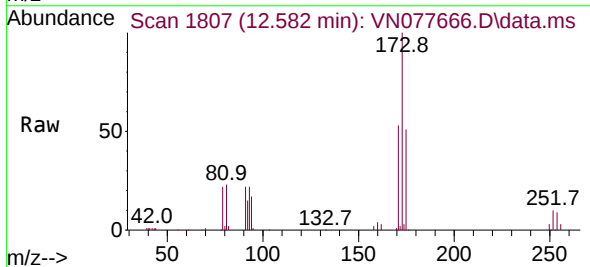
Manual Integrations
APPROVED

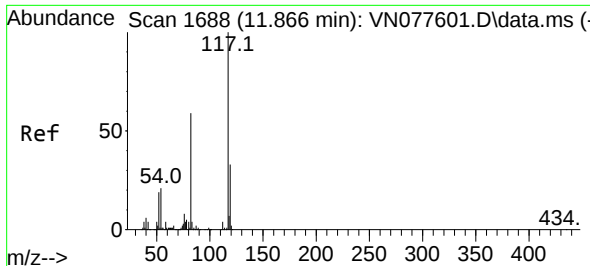
Reviewed By :John Carlone 05/15/2023
Supervised By :Mahesh Dadoda 05/15/2023



#56
Bromoform
Concen: 22.780 ug/l
RT: 12.582 min Scan# 1807
Delta R.T. 0.005 min
Lab File: VN077666.D
Acq: 12 May 2023 11:39

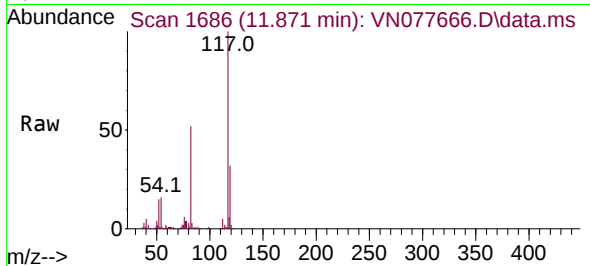
Tgt Ion:173 Resp: 90550
Ion Ratio Lower Upper
173 100
175 48.7 39.4 59.2
254 9.8 5.8 8.6#





#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.871 min Scan# 1688
Delta R.T. 0.005 min
Lab File: VN077666.D
Acq: 12 May 2023 11:39

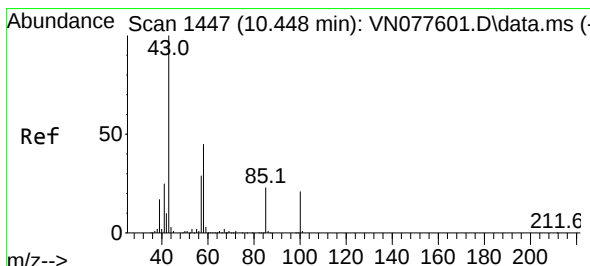
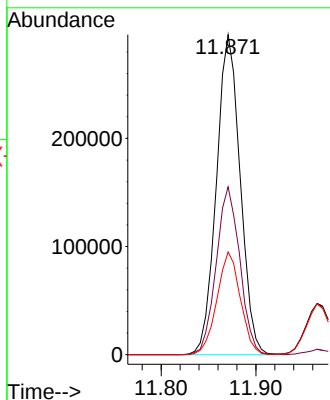
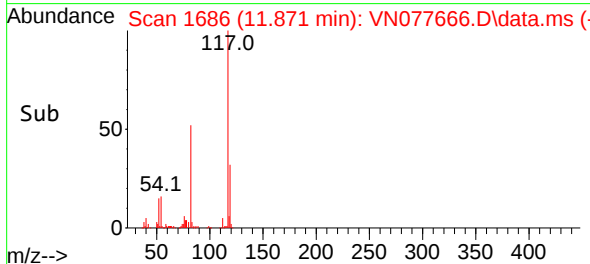
Instrument :
MSVOA_N
ClientSampleId :
VN0512WBS01



Tgt Ion:117 Resp: 516678
Ion Ratio Lower Upper
117 100
82 52.0 47.4 71.2
119 31.7 26.6 39.8

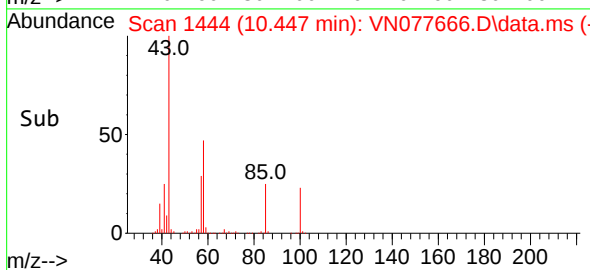
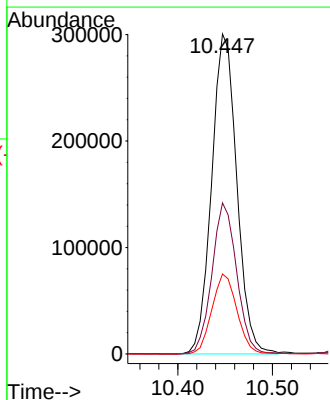
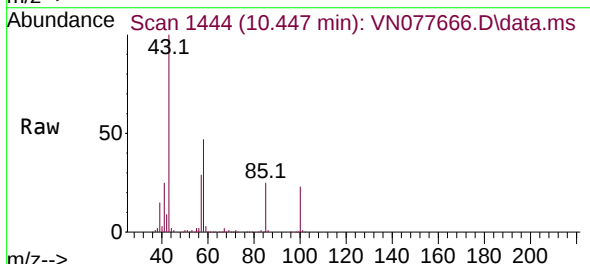
Manual Integrations
APPROVED

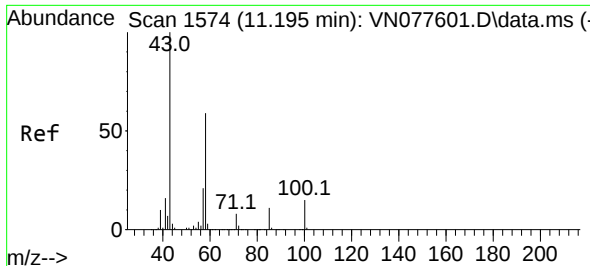
Reviewed By :John Carlone 05/15/2023
Supervised By :Mahesh Dadoda 05/15/2023



#58
4-Methyl-2-Pentanone
Concen: 116.654 ug/l
RT: 10.447 min Scan# 1444
Delta R.T. -0.001 min
Lab File: VN077666.D
Acq: 12 May 2023 11:39

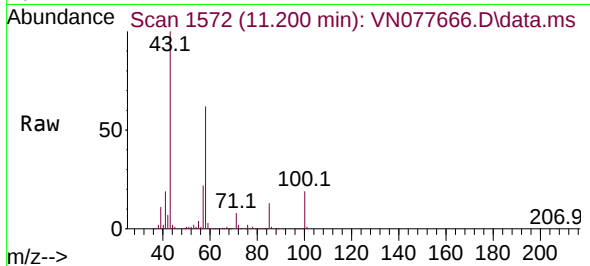
Tgt Ion: 43 Resp: 555049
Ion Ratio Lower Upper
43 100
58 46.4 35.4 53.2
85 25.0 18.2 27.2





#59
2-Hexanone
Concen: 117.998 ug/l
RT: 11.200 min Scan# 111
Delta R.T. 0.005 min
Lab File: VN077666.D
Acq: 12 May 2023 11:39

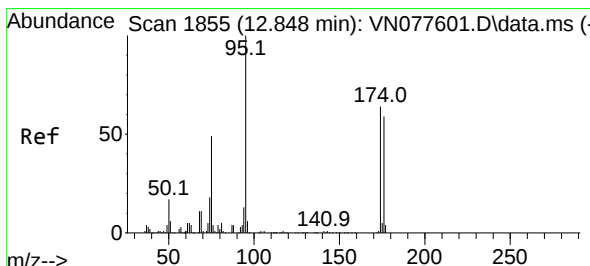
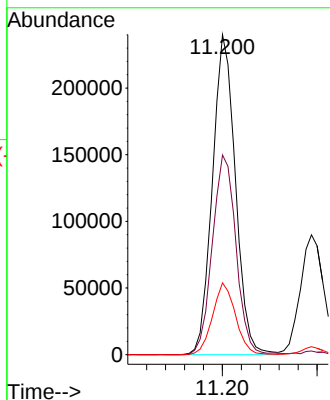
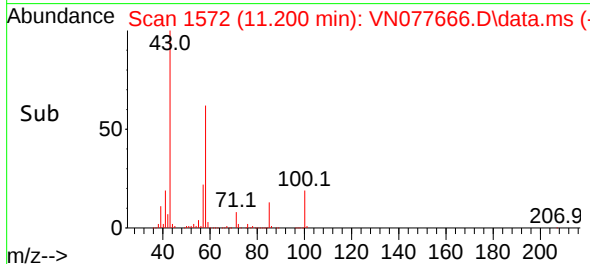
Instrument :
MSVOA_N
ClientSampleId :
VN0512WBS01



Tgt Ion: 43 Resp: 405284
Ion Ratio Lower Upper
43 100
58 64.0 48.2 72.2
57 22.4 17.3 25.9

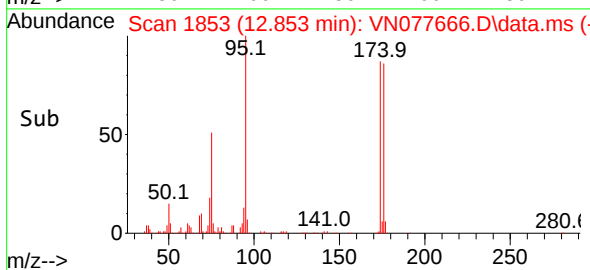
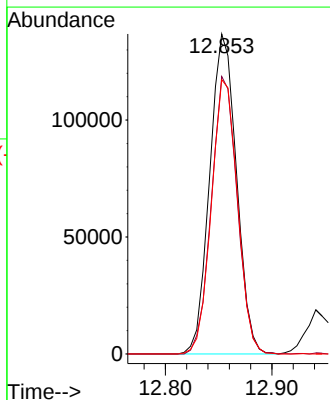
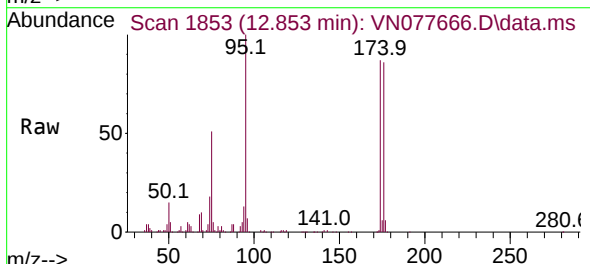
Manual Integrations
APPROVED

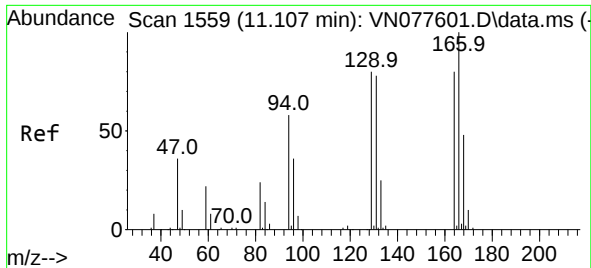
Reviewed By :John Carlone 05/15/2023
Supervised By :Mahesh Dadoda 05/15/2023



#60
4-Bromofluorobenzene
Concen: 29.081 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.005 min
Lab File: VN077666.D
Acq: 12 May 2023 11:39

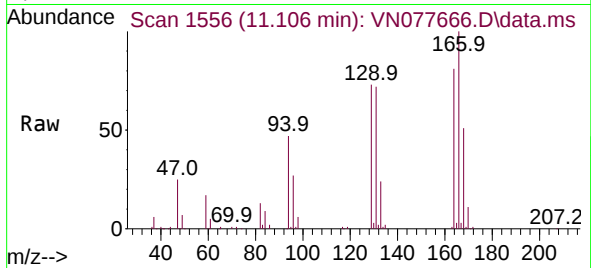
Tgt Ion: 95 Resp: 238912
Ion Ratio Lower Upper
95 100
174 83.8 53.4 80.0#
176 83.5 50.0 75.0#





#61
Tetrachloroethene
Concen: 21.093 ug/l
RT: 11.106 min Scan# 1556
Delta R.T. -0.001 min
Lab File: VN077666.D
Acq: 12 May 2023 11:39

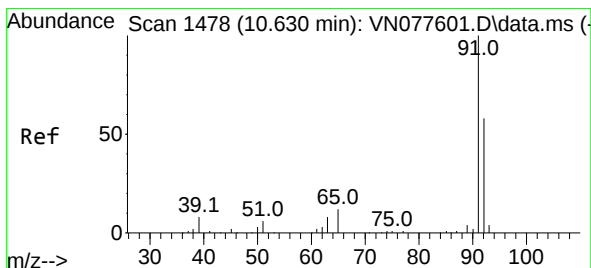
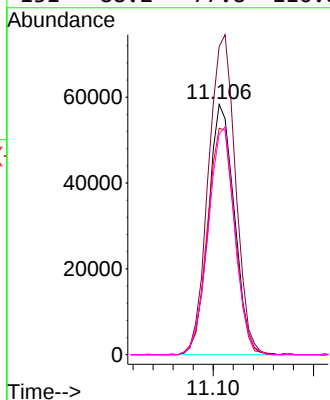
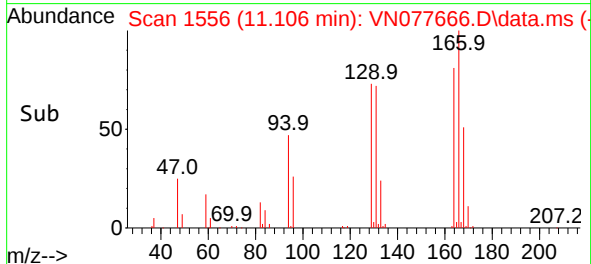
Instrument :
MSVOA_N
ClientSampleId :
VN0512WBS01



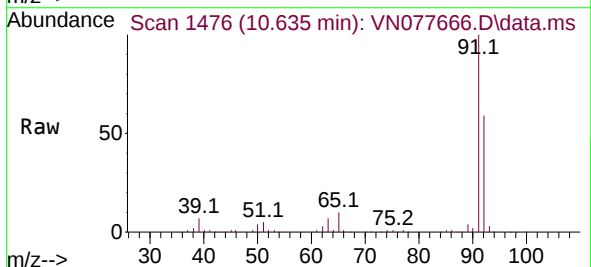
Tgt Ion:164 Resp: 105418
Ion Ratio Lower Upper
164 100
166 123.1 100.5 150.7
129 90.5 80.6 120.8
131 88.2 77.8 116.8

Manual Integrations
APPROVED

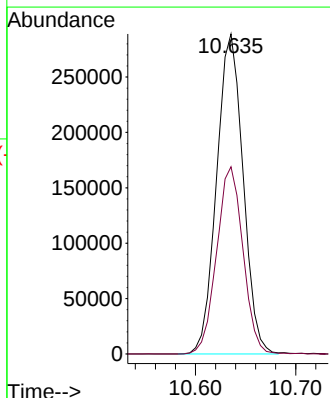
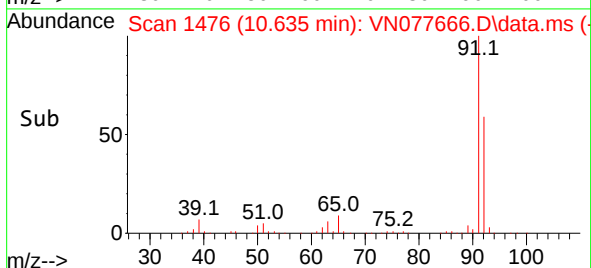
Reviewed By :John Carlone 05/15/2023
Supervised By :Mahesh Dadoda 05/15/2023

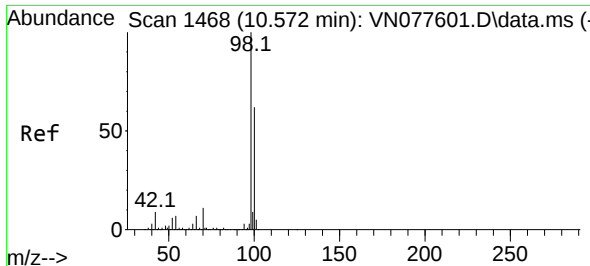


#62
Toluene
Concen: 18.503 ug/l
RT: 10.635 min Scan# 1476
Delta R.T. 0.005 min
Lab File: VN077666.D
Acq: 12 May 2023 11:39



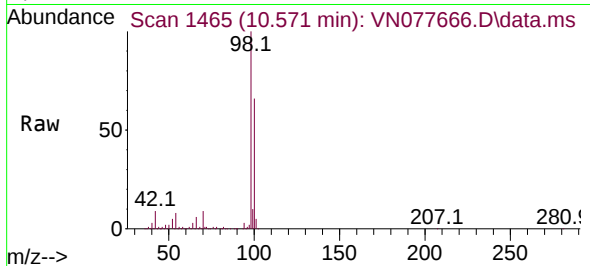
Tgt Ion: 91 Resp: 529280
Ion Ratio Lower Upper
91 100
92 58.2 47.0 70.6





#63
Toluene-d8
Concen: 28.484 ug/l
RT: 10.571 min Scan# 1468
Delta R.T. -0.001 min
Lab File: VN077666.D
Acq: 12 May 2023 11:39

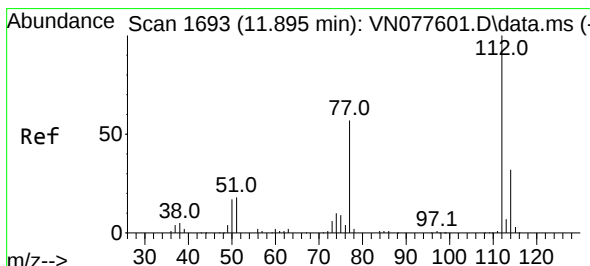
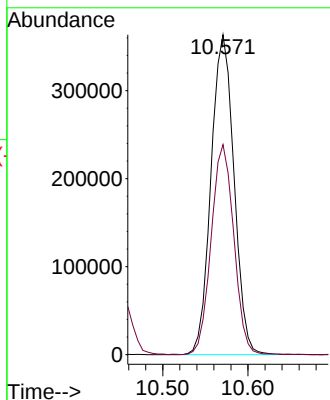
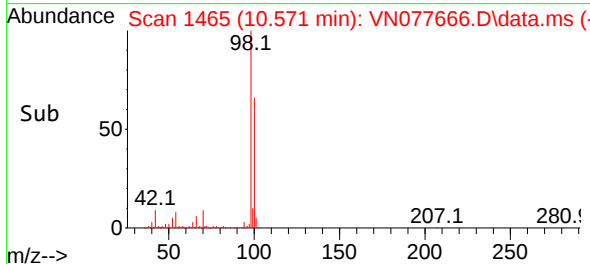
Instrument :
MSVOA_N
ClientSampleId :
VN0512WBS01



Tgt Ion: 98 Resp: 679735
Ion Ratio Lower Upper
98 100
100 64.5 52.1 78.1

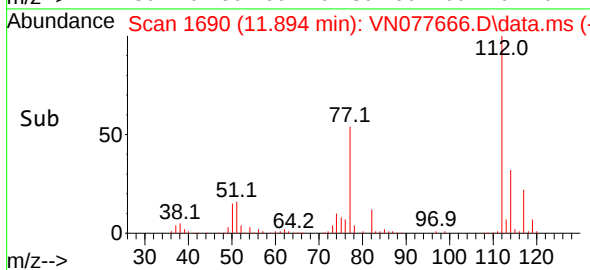
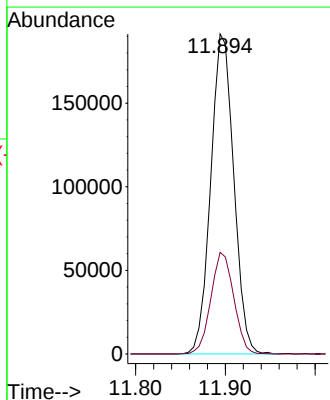
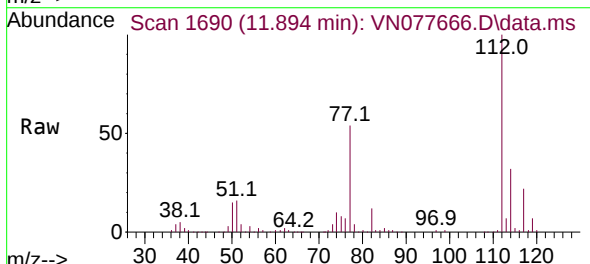
Manual Integrations
APPROVED

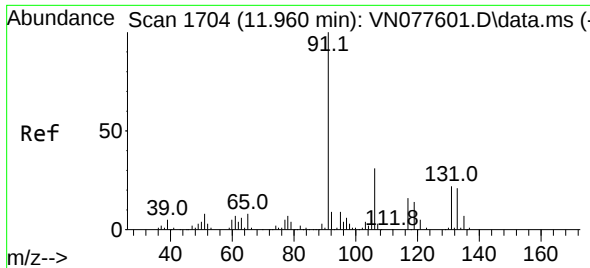
Reviewed By :John Carlone 05/15/2023
Supervised By :Mahesh Dadoda 05/15/2023



#64
Chlorobenzene
Concen: 19.381 ug/l
RT: 11.894 min Scan# 1690
Delta R.T. -0.001 min
Lab File: VN077666.D
Acq: 12 May 2023 11:39

Tgt Ion:112 Resp: 340955
Ion Ratio Lower Upper
112 100
114 31.7 25.8 38.8





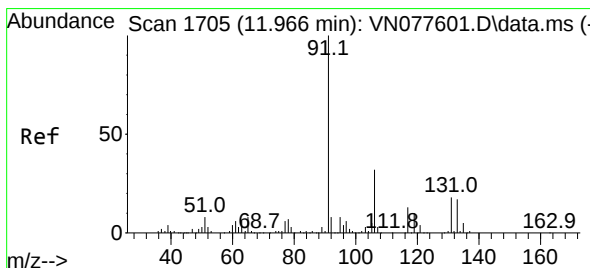
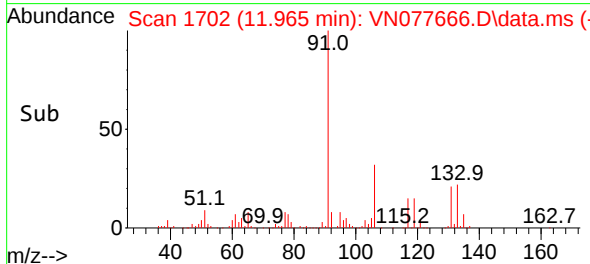
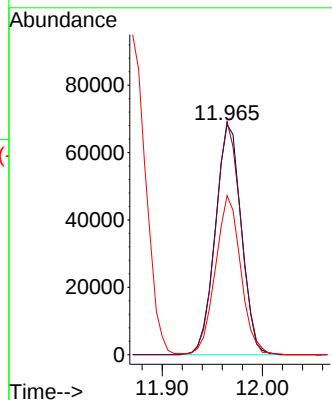
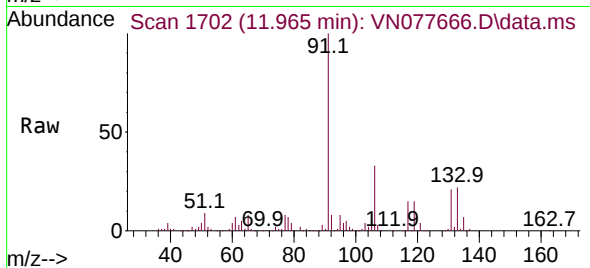
#65
1,1,1,2-Tetrachloroethane
Concen: 19.357 ug/l
RT: 11.965 min Scan# 11
Delta R.T. 0.005 min
Lab File: VN077666.D
Acq: 12 May 2023 11:39

Instrument :
MSVOA_N
ClientSampleId :
VN0512WBS01

Tgt Ion:131 Resp: 122845
Ion Ratio Lower Upper
131 100
133 99.0 0.0 181.2
119 67.0 0.0 125.0

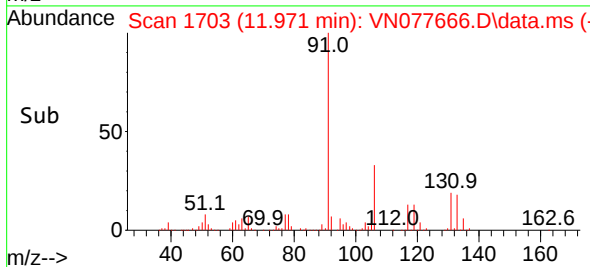
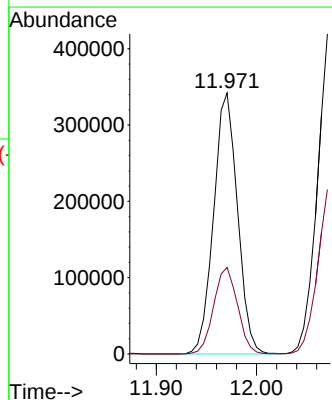
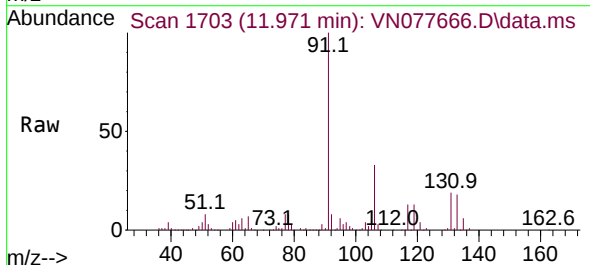
Manual Integrations
APPROVED

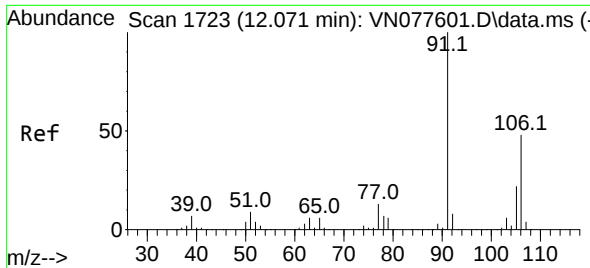
Reviewed By :John Carlone 05/15/2023
Supervised By :Mahesh Dadoda 05/15/2023



#66
Ethyl Benzene
Concen: 17.826 ug/l
RT: 11.971 min Scan# 1703
Delta R.T. 0.005 min
Lab File: VN077666.D
Acq: 12 May 2023 11:39

Tgt Ion: 91 Resp: 565011
Ion Ratio Lower Upper
91 100
106 33.2 25.7 38.5





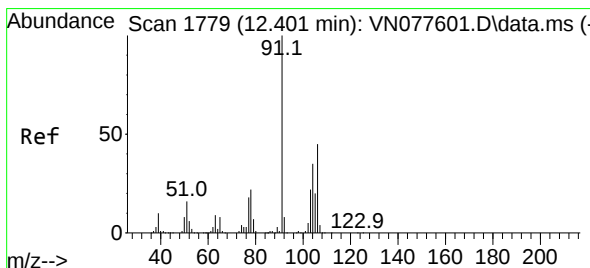
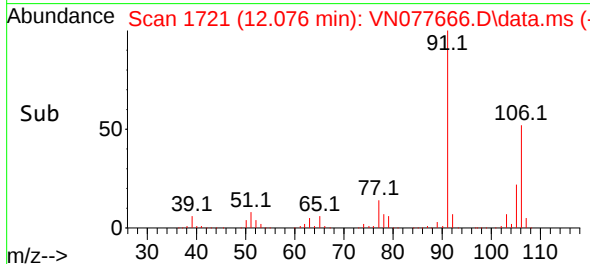
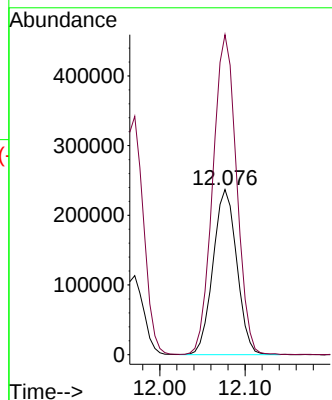
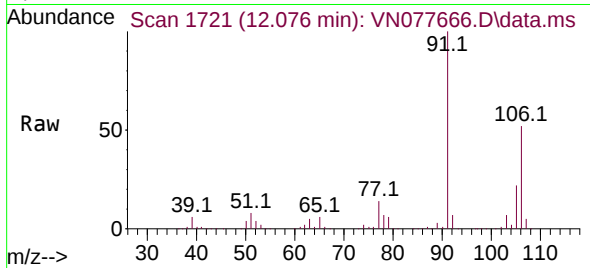
#67
m/p-Xylenes
Concen: 36.803 ug/l
RT: 12.076 min Scan# 1721
Delta R.T. 0.005 min
Lab File: VN077666.D
Acq: 12 May 2023 11:39

Instrument :
MSVOA_N
ClientSampleId :
VN0512WBS01

Tgt Ion:106 Resp: 45894
Ion Ratio Lower Upper
106 100
91 193.6 162.6 244.0

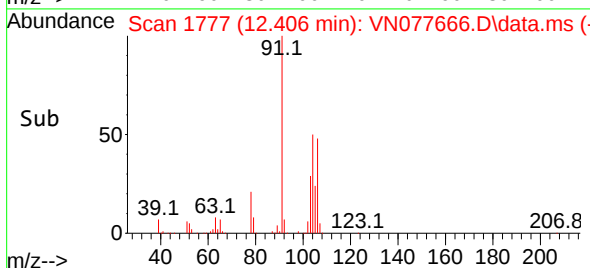
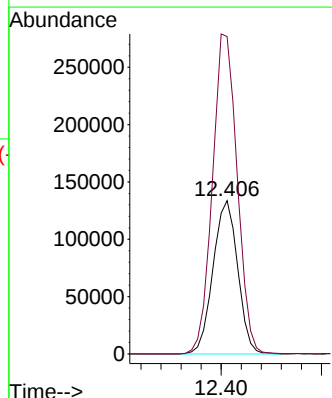
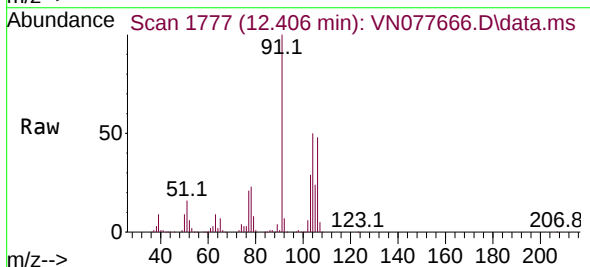
Manual Integrations
APPROVED

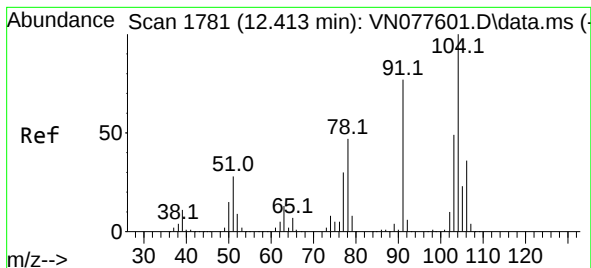
Reviewed By :John Carlone 05/15/2023
Supervised By :Mahesh Dadoda 05/15/2023



#68
o-Xylene
Concen: 18.569 ug/l
RT: 12.406 min Scan# 1777
Delta R.T. 0.005 min
Lab File: VN077666.D
Acq: 12 May 2023 11:39

Tgt Ion:106 Resp: 228202
Ion Ratio Lower Upper
106 100
91 209.7 109.5 328.4





#69

Styrene

Concen: 18.912 ug/l

RT: 12.418 min Scan# 1781

Delta R.T. 0.005 min

Lab File: VN077666.D

Acq: 12 May 2023 11:39

Instrument :

MSVOA_N

ClientSampleId :

VN0512WBS01

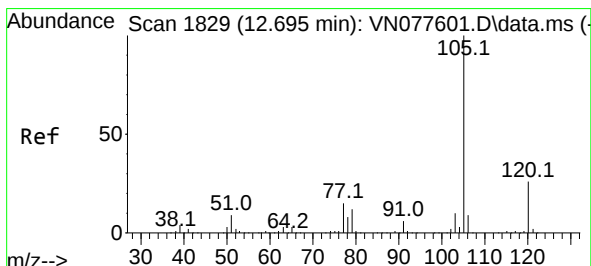
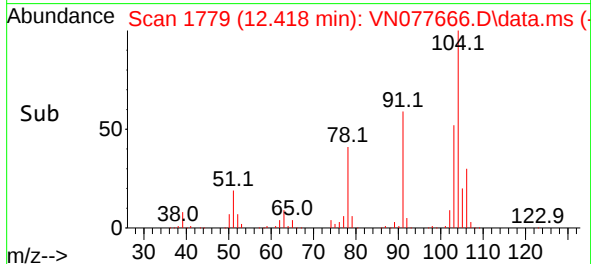
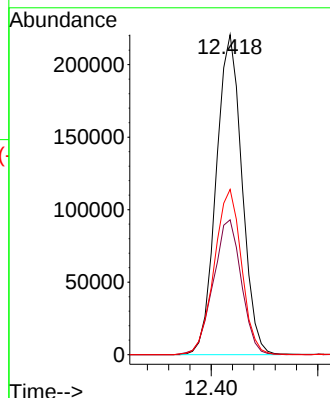
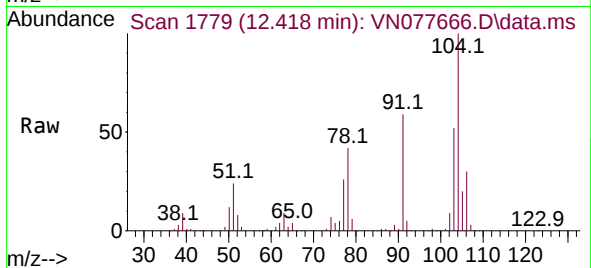
Tgt Ion:104 Resp: 37163
 Ion Ratio Lower Upper
 104 100
 78 45.8 41.3 61.9
 103 54.4 44.0 66.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/15/2023

Supervised By :Mahesh Dadoda 05/15/2023



#70

Isopropylbenzene

Concen: 18.283 ug/l

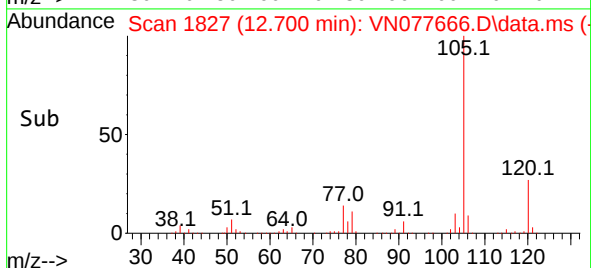
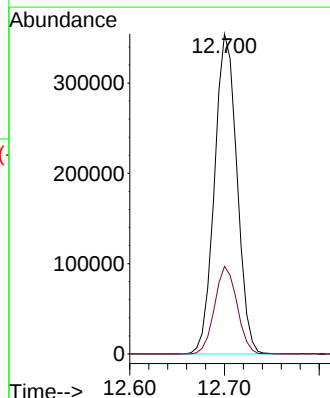
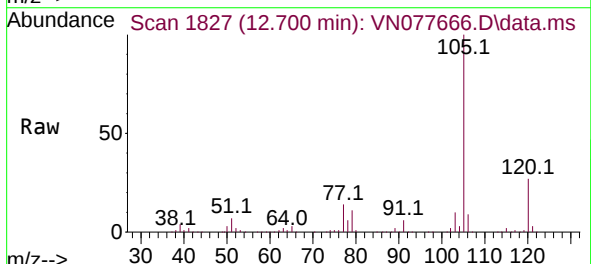
RT: 12.700 min Scan# 1827

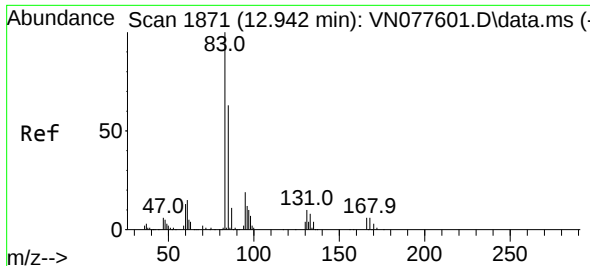
Delta R.T. 0.005 min

Lab File: VN077666.D

Acq: 12 May 2023 11:39

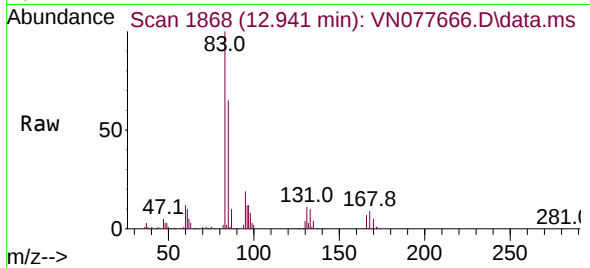
Tgt Ion:105 Resp: 583609
 Ion Ratio Lower Upper
 105 100
 120 27.2 18.5 34.3





#71
1,1,2,2-Tetrachloroethane
Concen: 20.384 ug/l
RT: 12.941 min Scan# 1871
Delta R.T. -0.001 min
Lab File: VN077666.D
Acq: 12 May 2023 11:39

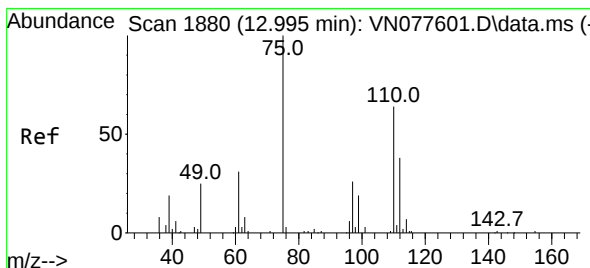
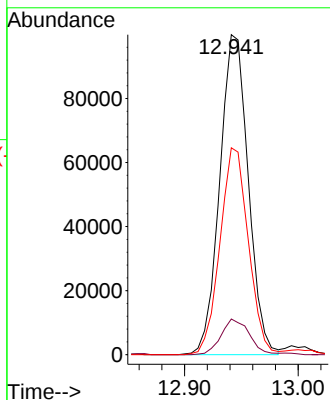
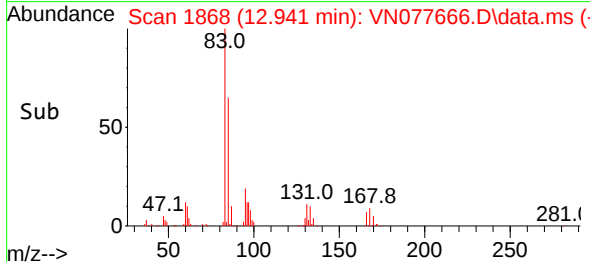
Instrument :
MSVOA_N
ClientSampleId :
VN0512WBS01



Tgt Ion: 83 Resp: 174489
Ion Ratio Lower Upper
83 100
131 11.1 4.8 14.3
85 64.4 33.4 100.2

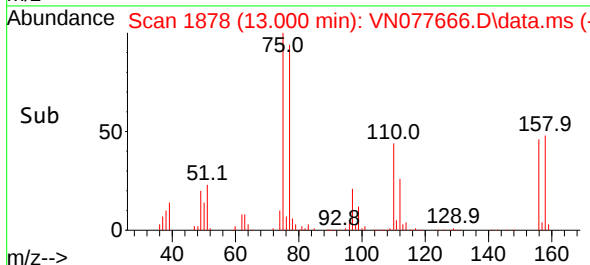
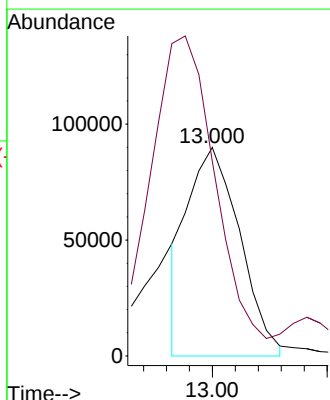
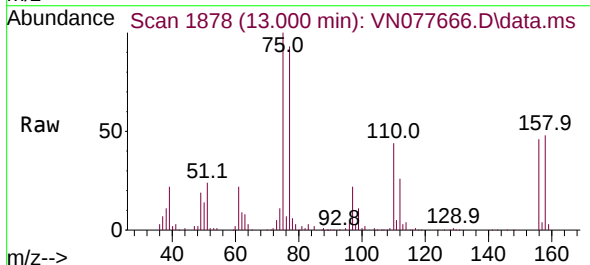
Manual Integrations
APPROVED

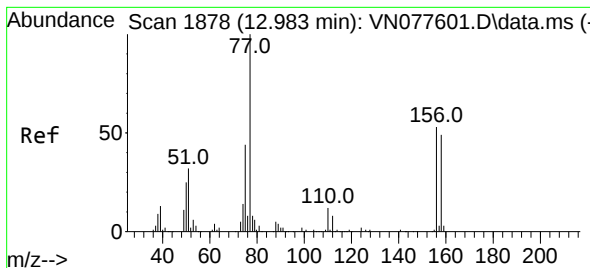
Reviewed By :John Carlone 05/15/2023
Supervised By :Mahesh Dadoda 05/15/2023



#72
1,2,3-Trichloropropane
Concen: 20.004 ug/l m
RT: 13.000 min Scan# 1878
Delta R.T. 0.005 min
Lab File: VN077666.D
Acq: 12 May 2023 11:39

Tgt Ion: 75 Resp: 142479
Ion Ratio Lower Upper
75 100
77 194.5 0.0 354.6





#73

Bromobenzene

Concen: 22.549 ug/l

RT: 12.988 min Scan# 1876

Delta R.T. 0.005 min

Lab File: VN077666.D

Acq: 12 May 2023 11:39

Instrument :

MSVOA_N

ClientSampleId :

VN0512WBS01

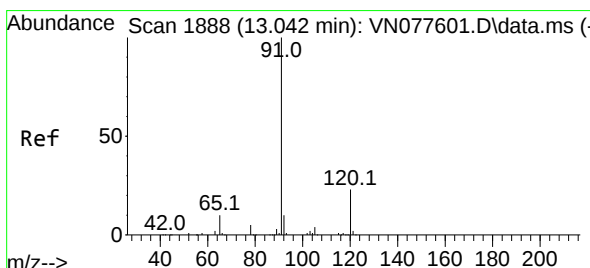
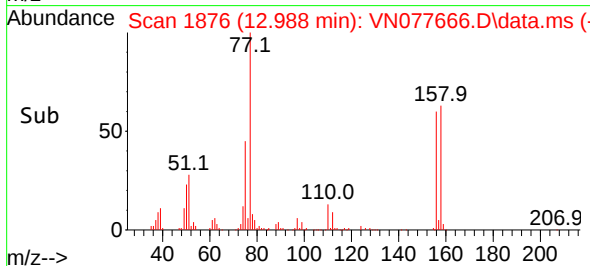
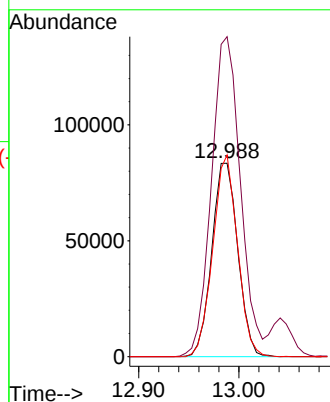
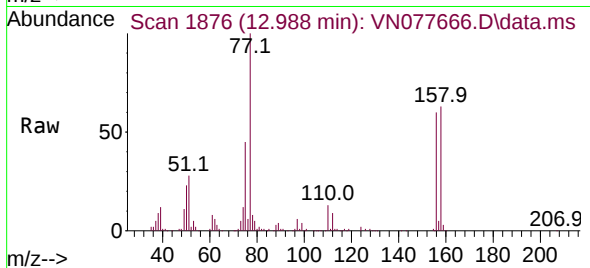
Tgt Ion:	156	Resp:	150500
Ion Ratio	Lower	Upper	
156	100		
77	184.2	0.0	466.4
158	98.7	0.0	196.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/15/2023

Supervised By :Mahesh Dadoda 05/15/2023



#74

n-propylbenzene

Concen: 18.166 ug/l

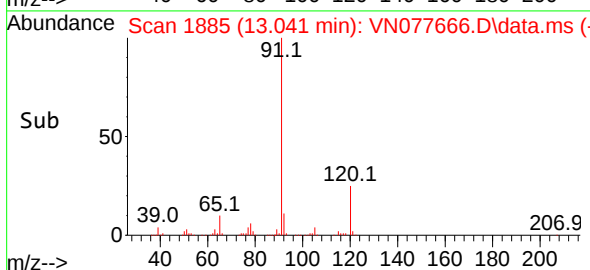
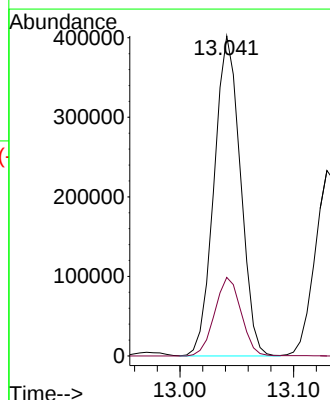
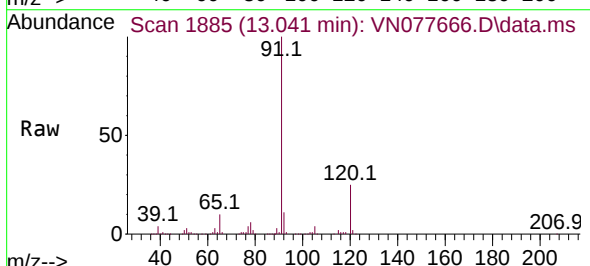
RT: 13.041 min Scan# 1885

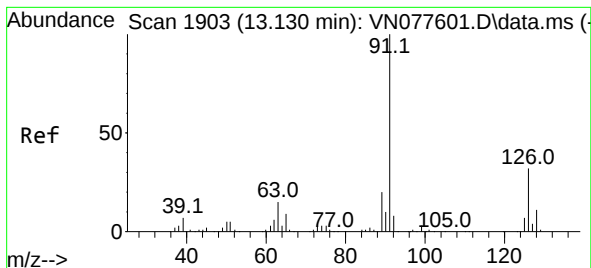
Delta R.T. -0.001 min

Lab File: VN077666.D

Acq: 12 May 2023 11:39

Tgt Ion:	91	Resp:	648338
Ion Ratio	Lower	Upper	
91	100		
120	24.5	0.0	45.6





#75

2-Chlorotoluene

Concen: 18.756 ug/l

RT: 13.129 min Scan# 1900

Delta R.T. -0.001 min

Lab File: VN077666.D

Acq: 12 May 2023 11:39

Instrument :

MSVOA_N

ClientSampleId :

VN0512WBS01

Tgt Ion: 91 Resp: 40485

Ion Ratio Lower Upper

91 100

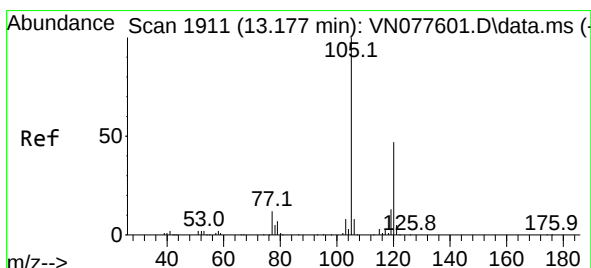
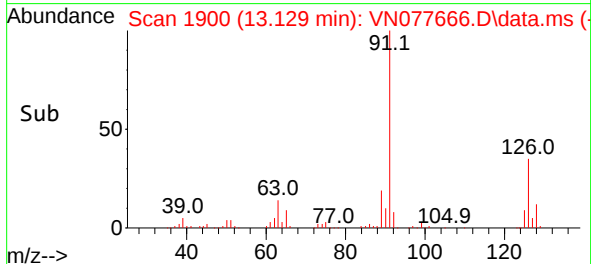
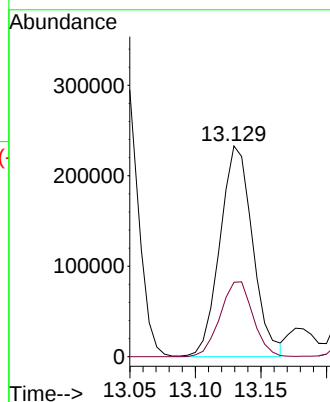
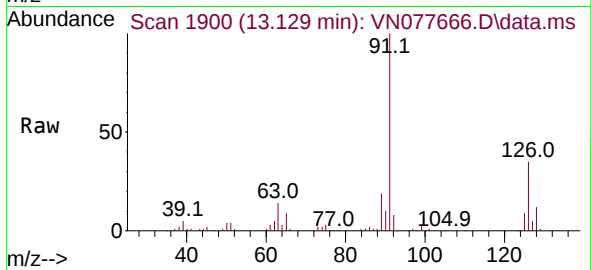
126 35.6 0.0 65.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/15/2023

Supervised By :Mahesh Dadoda 05/15/2023



#76

1,3,5-Trimethylbenzene

Concen: 19.455 ug/l

RT: 13.182 min Scan# 1909

Delta R.T. 0.005 min

Lab File: VN077666.D

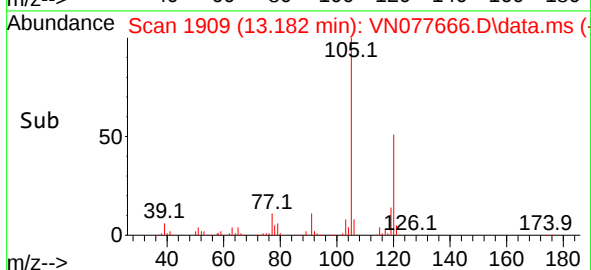
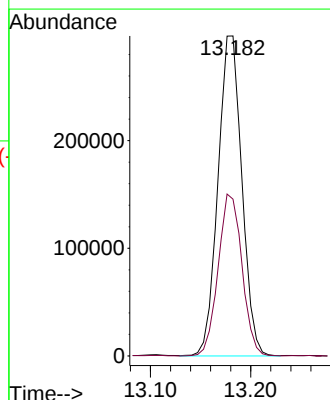
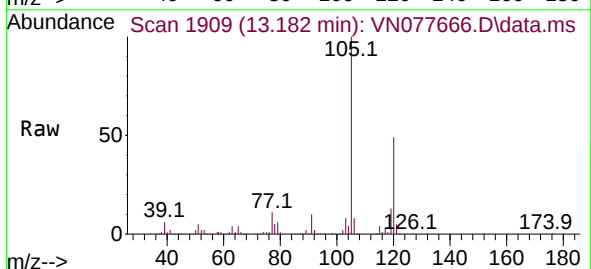
Acq: 12 May 2023 11:39

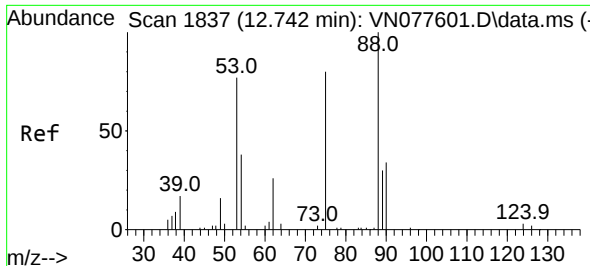
Tgt Ion:105 Resp: 490786

Ion Ratio Lower Upper

105 100

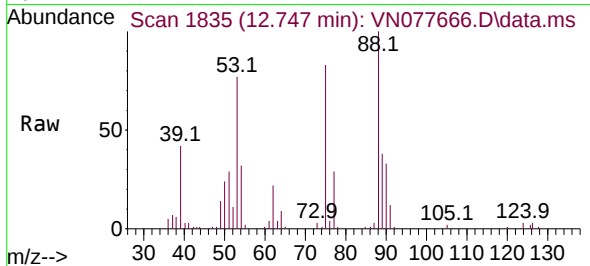
120 50.5 0.0 95.2





#77
t-1,4-Dichloro-2-butene
Concen: 16.368 ug/l
RT: 12.747 min Scan# 1835
Delta R.T. 0.005 min
Lab File: VN077666.D
Acq: 12 May 2023 11:39

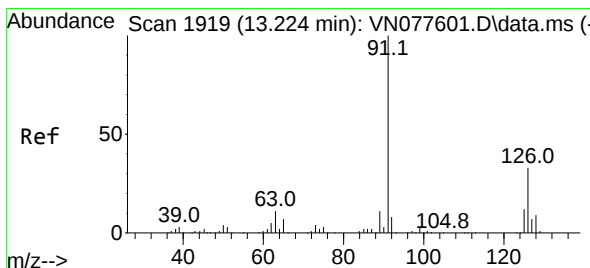
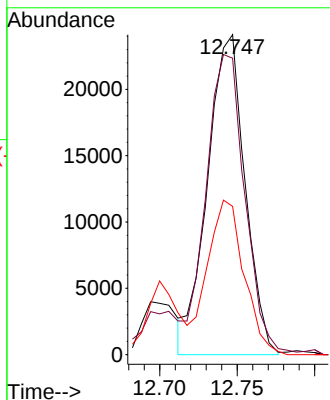
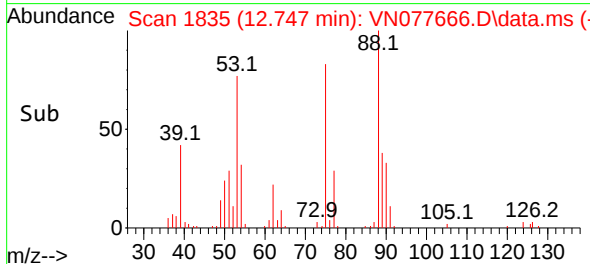
Instrument :
MSVOA_N
ClientSampleId :
VN0512WBS01



Tgt Ion: 75 Resp: 40612
Ion Ratio Lower Upper
75 100
53 91.4 46.9 140.7
89 45.6 21.0 63.0

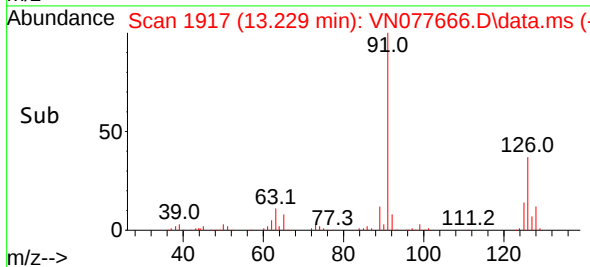
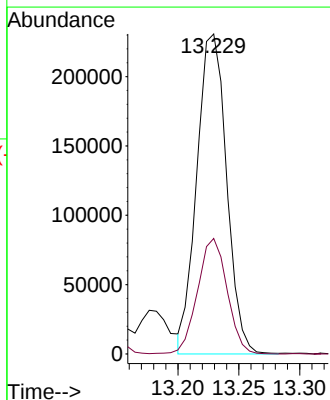
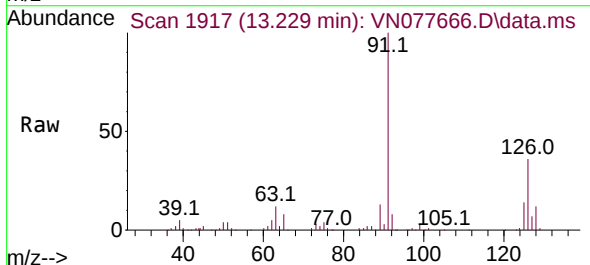
Manual Integrations
APPROVED

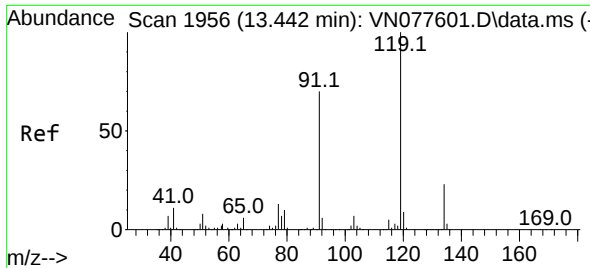
Reviewed By :John Carlone 05/15/2023
Supervised By :Mahesh Dadoda 05/15/2023



#78
4-Chlorotoluene
Concen: 18.634 ug/l
RT: 13.229 min Scan# 1917
Delta R.T. 0.005 min
Lab File: VN077666.D
Acq: 12 May 2023 11:39

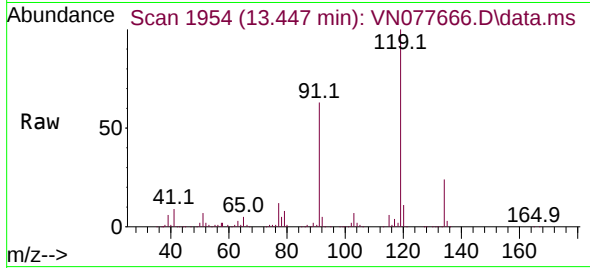
Tgt Ion: 91 Resp: 392746
Ion Ratio Lower Upper
91 100
126 35.9 0.0 64.6





#79
tert-butylbenzene
Concen: 19.920 ug/l
RT: 13.447 min Scan# 1956
Delta R.T. 0.005 min
Lab File: VN077666.D
Acq: 12 May 2023 11:39

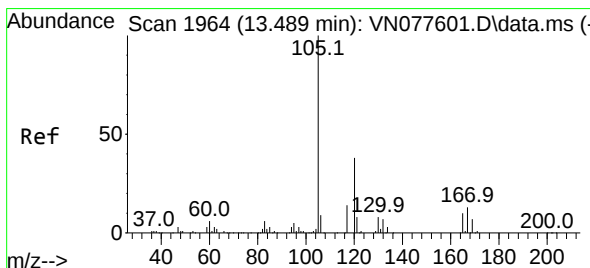
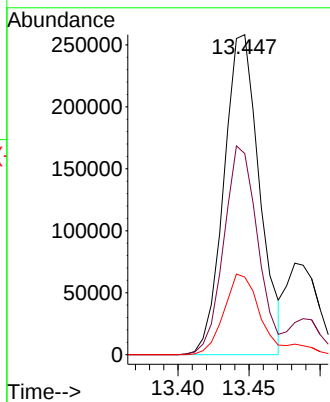
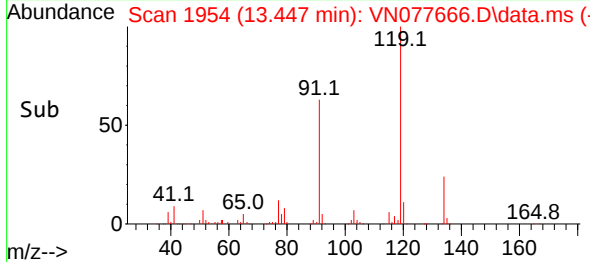
Instrument :
MSVOA_N
ClientSampleId :
VN0512WBS01



Tgt Ion:119 Resp: 450050
Ion Ratio Lower Upper
119 100
91 62.3 0.0 141.6
134 25.2 0.0 46.6

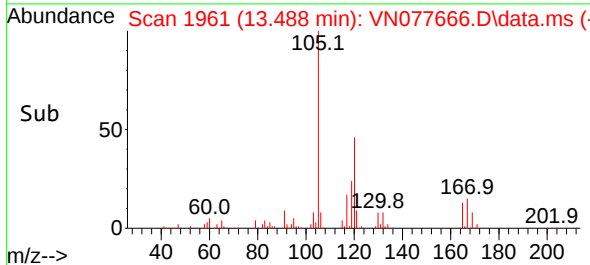
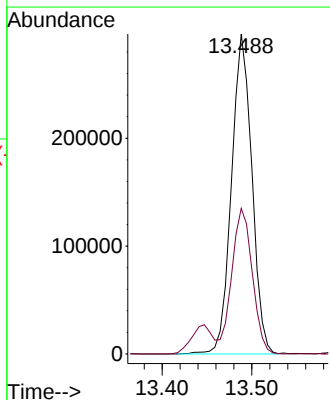
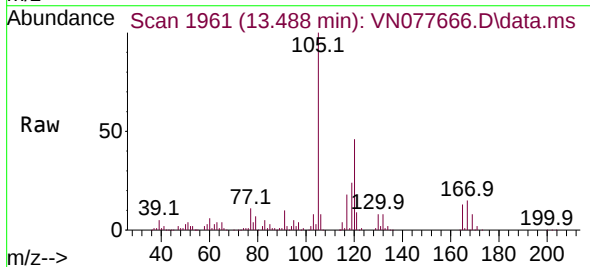
Manual Integrations
APPROVED

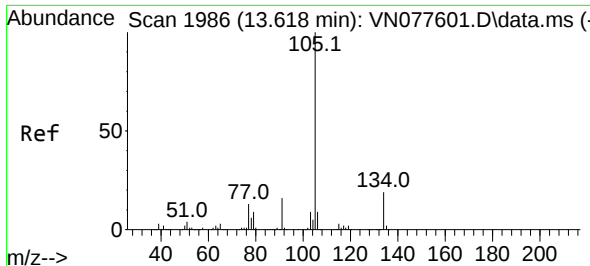
Reviewed By :John Carlone 05/15/2023
Supervised By :Mahesh Dadoda 05/15/2023



#80
1,2,4-Trimethylbenzene
Concen: 19.101 ug/l
RT: 13.488 min Scan# 1961
Delta R.T. -0.001 min
Lab File: VN077666.D
Acq: 12 May 2023 11:39

Tgt Ion:105 Resp: 467641
Ion Ratio Lower Upper
105 100
120 46.2 0.0 88.0





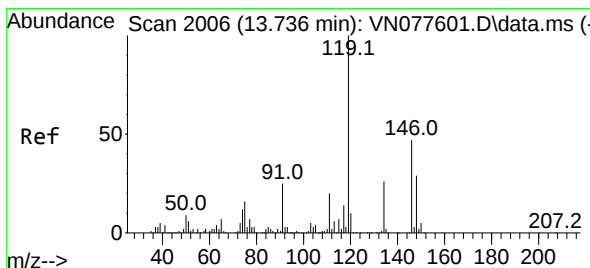
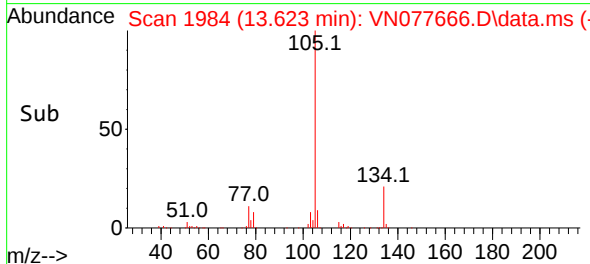
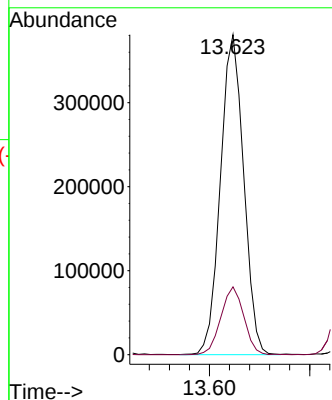
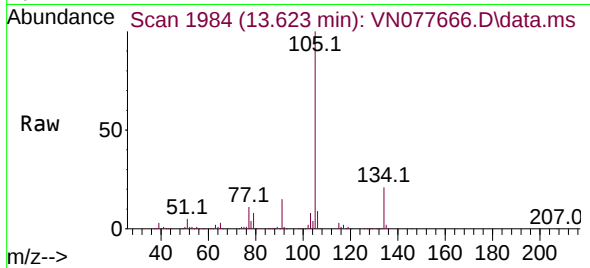
#81
 sec-Butylbenzene
 Concen: 19.277 ug/l
 RT: 13.623 min Scan# 1986
 Delta R.T. 0.005 min
 Lab File: VN077666.D
 Acq: 12 May 2023 11:39

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0512WBS01

Tgt Ion:105 Resp: 611298
 Ion Ratio Lower Upper
 105 100
 134 20.9 0.0 37.8

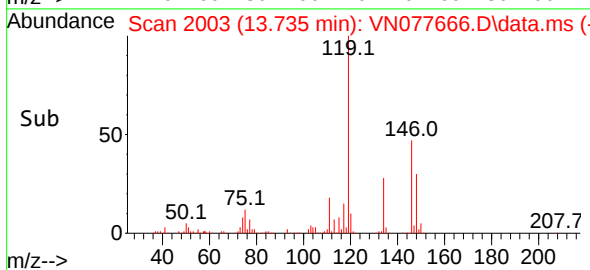
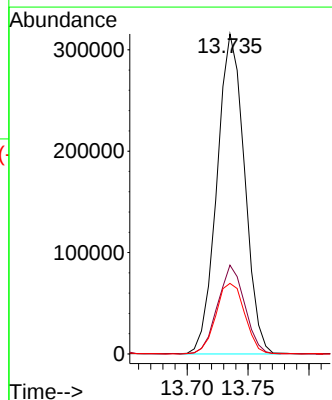
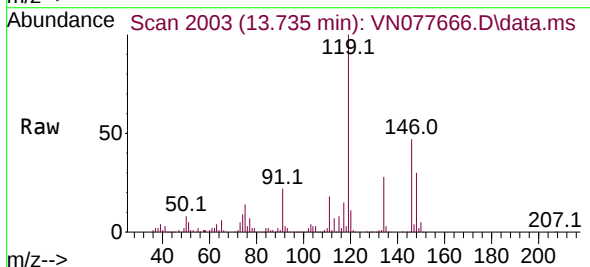
Manual Integrations
 APPROVED

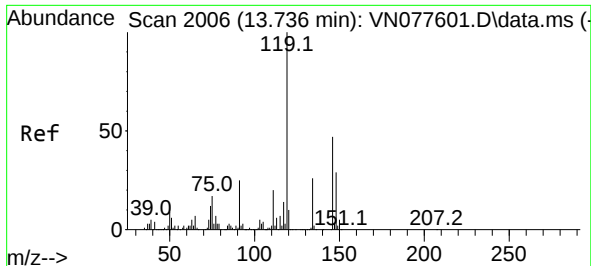
Reviewed By :John Carlone 05/15/2023
 Supervised By :Mahesh Dadoda 05/15/2023



#82
 p-Isopropyltoluene
 Concen: 19.731 ug/l
 RT: 13.735 min Scan# 2003
 Delta R.T. -0.001 min
 Lab File: VN077666.D
 Acq: 12 May 2023 11:39

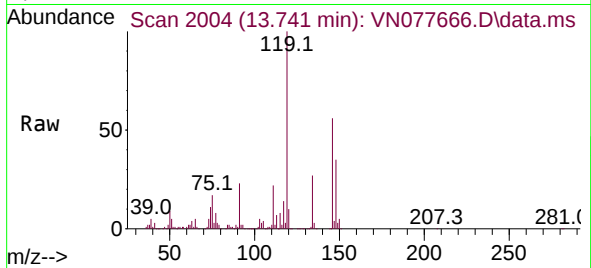
Tgt Ion:119 Resp: 497855
 Ion Ratio Lower Upper
 119 100
 134 27.2 0.0 52.2
 91 23.2 0.0 51.2





#83
1,3-Dichlorobenzene
Concen: 21.612 ug/l
RT: 13.741 min Scan# 2017
Delta R.T. 0.005 min
Lab File: VN077666.D
Acq: 12 May 2023 11:39

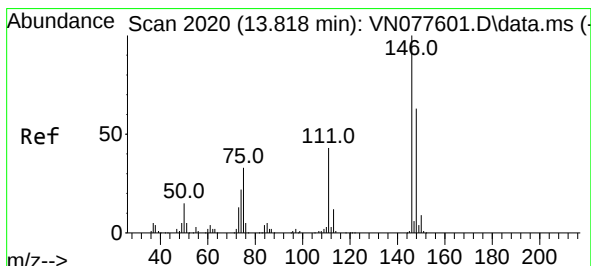
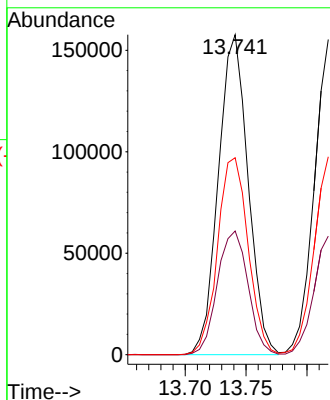
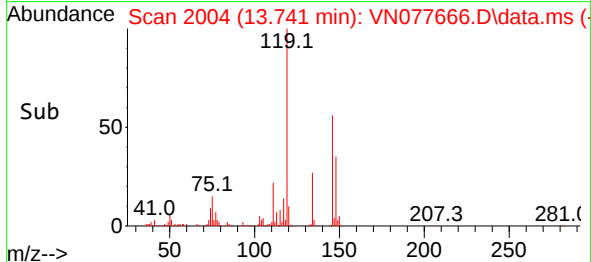
Instrument :
MSVOA_N
ClientSampleId :
VN0512WBS01



Tgt Ion:146 Resp: 267868
Ion Ratio Lower Upper
146 100
111 39.8 22.1 66.1
148 63.4 32.5 97.4

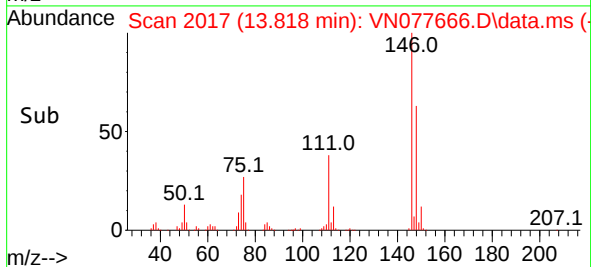
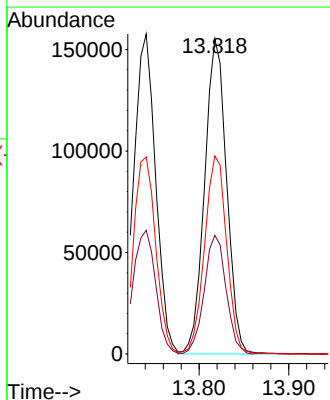
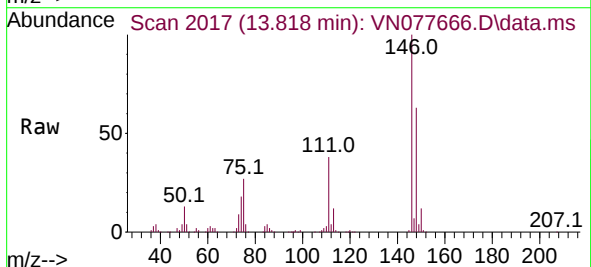
Manual Integrations
APPROVED

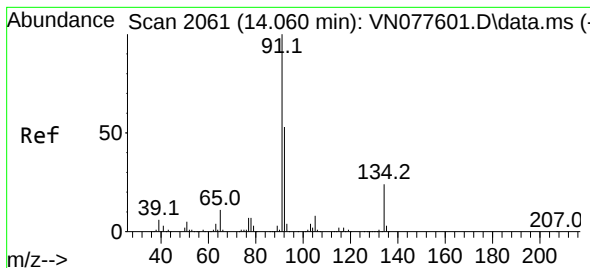
Reviewed By :John Carlone 05/15/2023
Supervised By :Mahesh Dadoda 05/15/2023



#84
1,4-Dichlorobenzene
Concen: 21.779 ug/l
RT: 13.818 min Scan# 2017
Delta R.T. -0.000 min
Lab File: VN077666.D
Acq: 12 May 2023 11:39

Tgt Ion:146 Resp: 264249
Ion Ratio Lower Upper
146 100
111 37.4 20.8 62.4
148 63.3 31.1 93.5





#85

n-Butylbenzene

Concen: 16.806 ug/l

RT: 14.065 min Scan# 2061

Delta R.T. 0.005 min

Lab File: VN077666.D

Acq: 12 May 2023 11:39

Instrument :

MSVOA_N

ClientSampleId :

VN0512WBS01

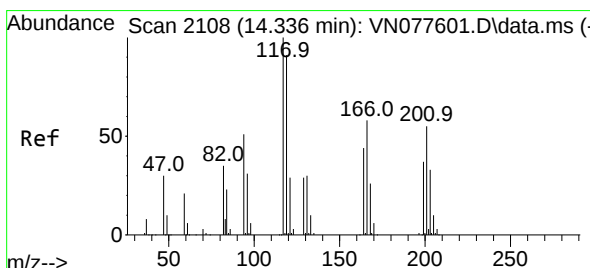
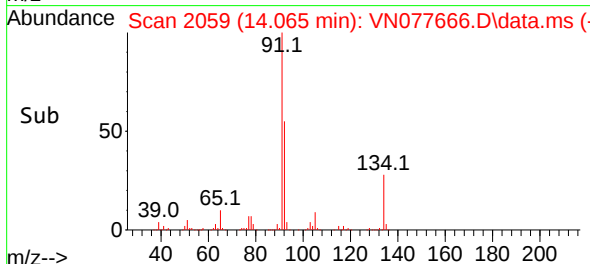
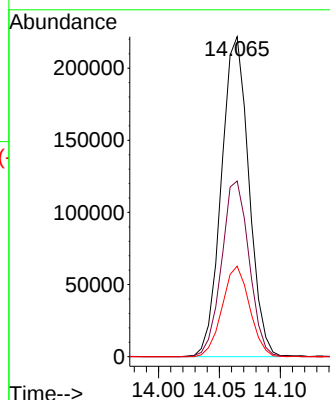
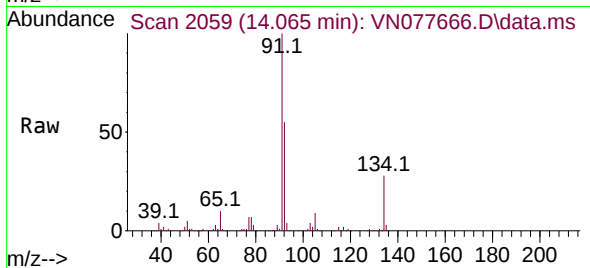
Tgt Ion:	91	Resp:	34885
Ion Ratio	Lower	Upper	
91	100		
92	55.0	0.0	107.0
134	28.2	0.0	50.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/15/2023

Supervised By :Mahesh Dadoda 05/15/2023



#86

Hexachloroethane

Concen: 17.630 ug/l

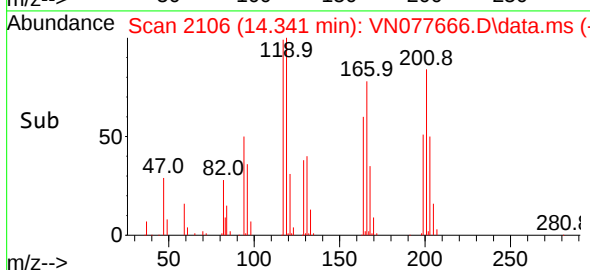
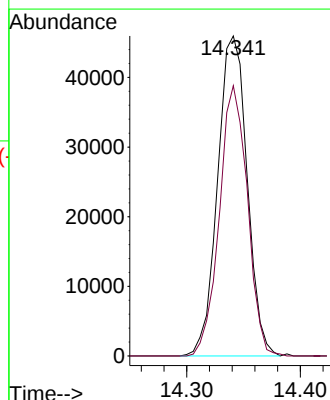
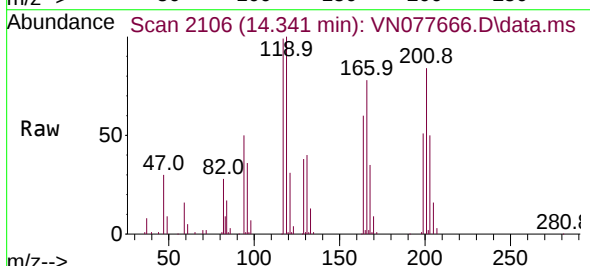
RT: 14.341 min Scan# 2106

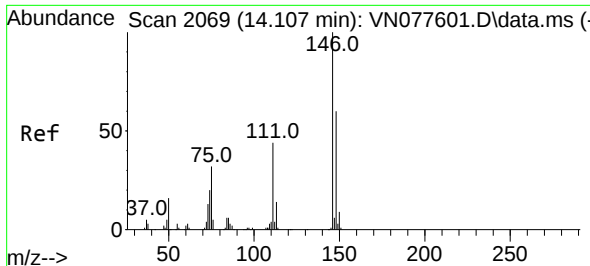
Delta R.T. 0.005 min

Lab File: VN077666.D

Acq: 12 May 2023 11:39

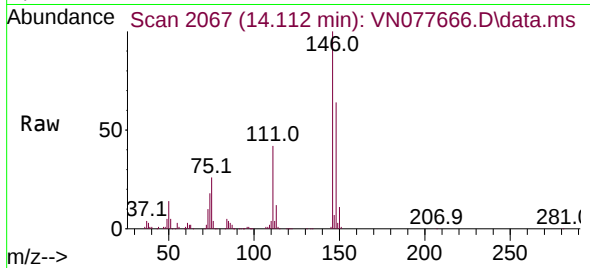
Tgt Ion:	117	Resp:	82901
Ion Ratio	Lower	Upper	
117	100		
201	80.3	28.1	84.4





#87
1,2-Dichlorobenzene
Concen: 21.785 ug/l
RT: 14.112 min Scan# 2067
Delta R.T. 0.005 min
Lab File: VN077666.D
Acq: 12 May 2023 11:39

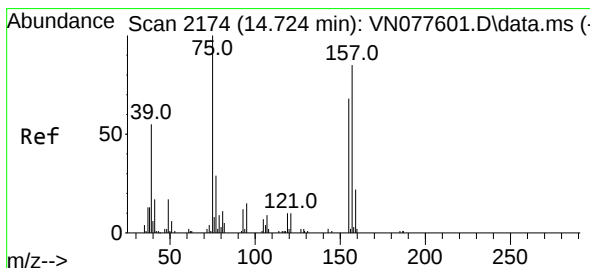
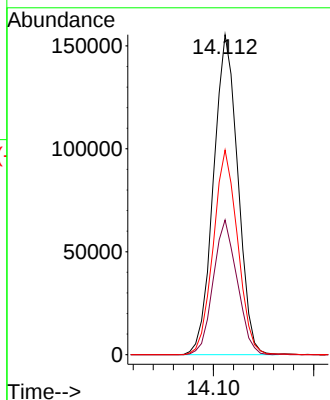
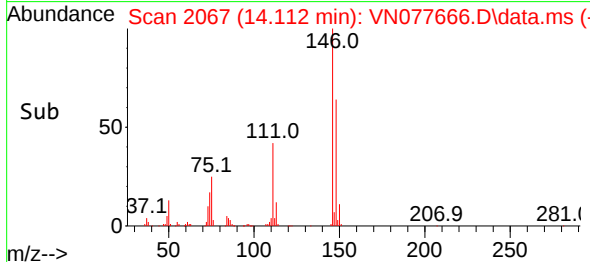
Instrument :
MSVOA_N
ClientSampleId :
VN0512WBS01



Tgt Ion:146 Resp: 26210
Ion Ratio Lower Upper
146 100
111 41.2 22.7 68.0
148 63.9 31.0 93.0

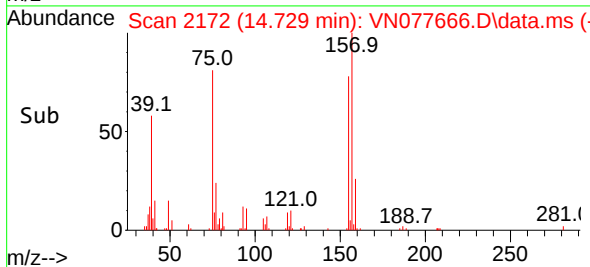
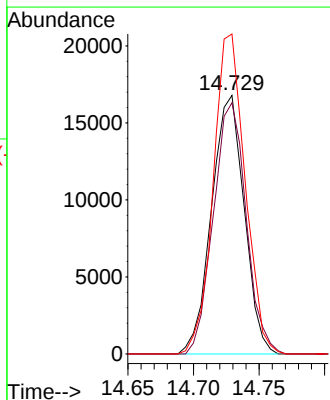
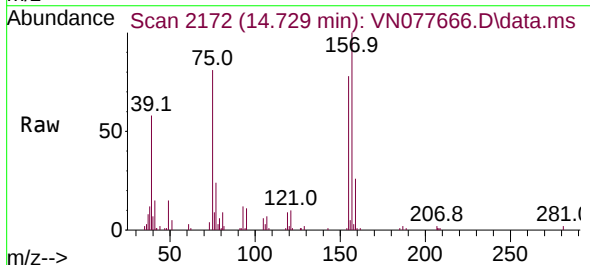
Manual Integrations
APPROVED

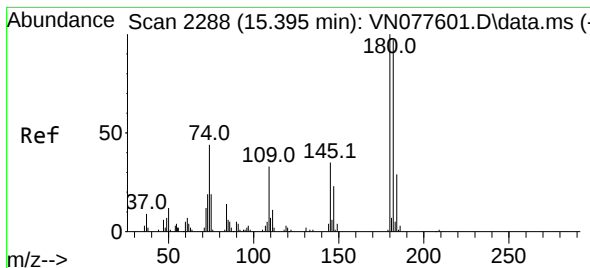
Reviewed By :John Carlone 05/15/2023
Supervised By :Mahesh Dadoda 05/15/2023



#88
1,2-Dibromo-3-Chloropropane
Concen: 18.723 ug/l
RT: 14.729 min Scan# 2172
Delta R.T. 0.005 min
Lab File: VN077666.D
Acq: 12 May 2023 11:39

Tgt Ion: 75 Resp: 29125
Ion Ratio Lower Upper
75 100
155 97.2 63.1 94.7#
157 120.0 75.5 113.3#





#89

1,2,4-Trichlorobenzene

Concen: 15.969 ug/l

RT: 15.400 min Scan# 21

Delta R.T. 0.005 min

Lab File: VN077666.D

Acq: 12 May 2023 11:39

Instrument :

MSVOA_N

ClientSampleId :

VN0512WBS01

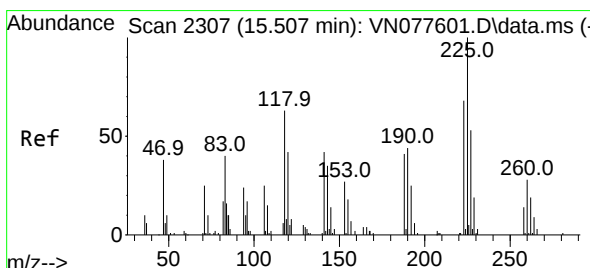
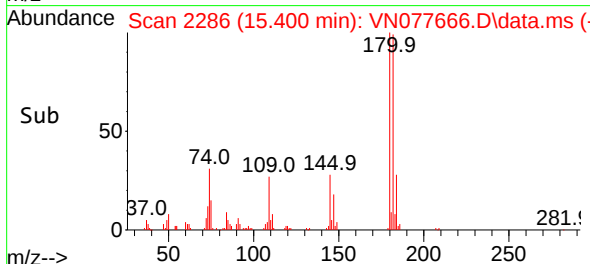
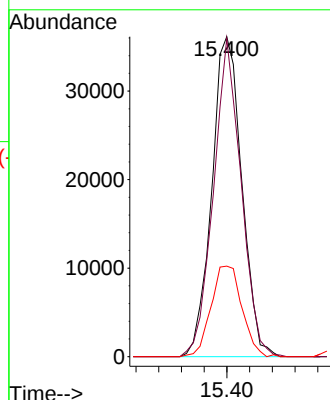
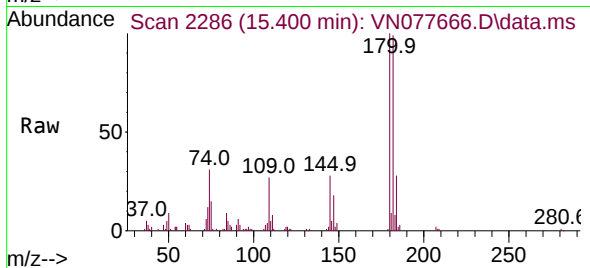
Tgt Ion:180	Resp:	6619
Ion Ratio	Lower	Upper
180	100	
182	91.6	75.1 112.7
145	29.1	28.6 43.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/15/2023

Supervised By :Mahesh Dadoda 05/15/2023



#90

Hexachlorobutadiene

Concen: 27.544 ug/l

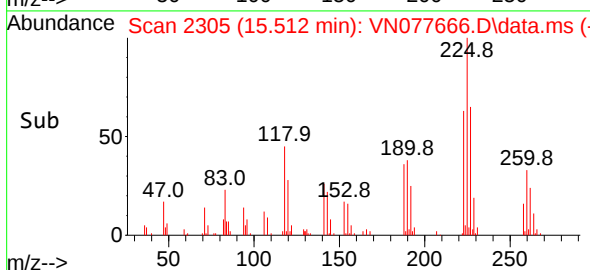
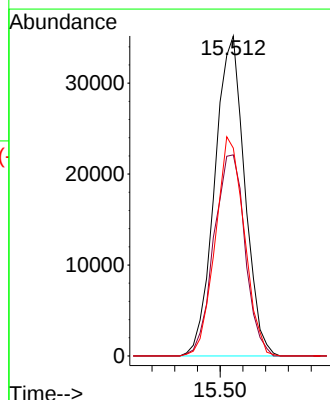
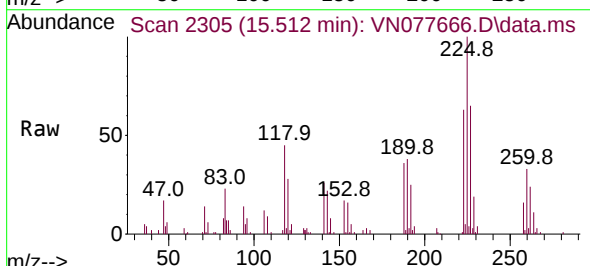
RT: 15.512 min Scan# 2305

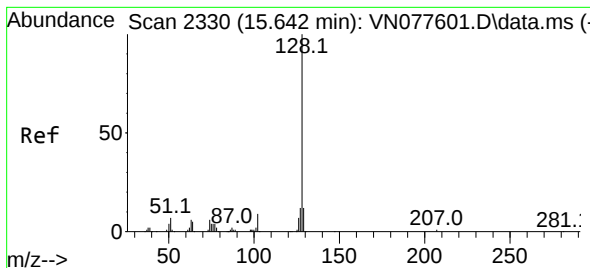
Delta R.T. 0.005 min

Lab File: VN077666.D

Acq: 12 May 2023 11:39

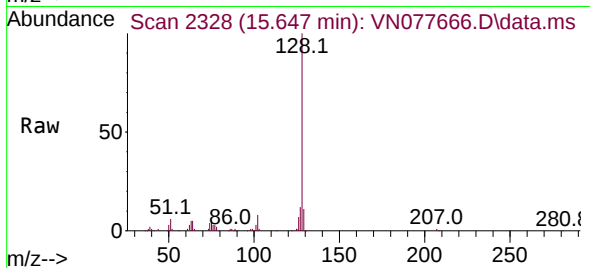
Tgt Ion:225	Resp:	64381
Ion Ratio	Lower	Upper
225	100	
223	65.3	0.0 132.2
227	66.3	0.0 116.2





#91
Naphthalene
Concen: 12.290 ug/l
RT: 15.647 min Scan# 21
Delta R.T. 0.005 min
Lab File: VN077666.D
Acq: 12 May 2023 11:39

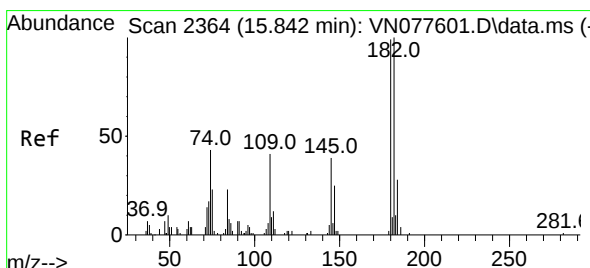
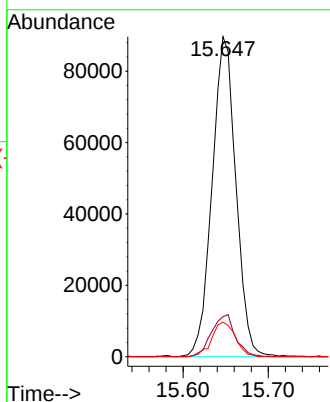
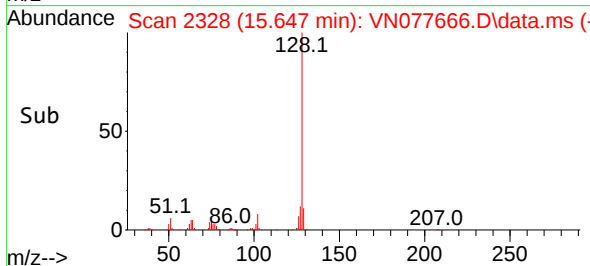
Instrument :
MSVOA_N
ClientSampleId :
VN0512WBS01



Tgt Ion:128 Resp: 17401
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 05/15/2023
Supervised By :Mahesh Dadoda 05/15/2023



#92
1,2,3-Trichlorobenzene
Concen: 15.335 ug/l
RT: 15.847 min Scan# 2362
Delta R.T. 0.005 min
Lab File: VN077666.D
Acq: 12 May 2023 11:39

Tgt Ion:180 Resp: 58542
Ion Ratio Lower Upper
180 100
182 90.3 0.0 193.4
145 30.4 0.0 78.6

