

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN080123\
 Data File : VN078714.D
 Acq On : 01 Aug 2023 13:47
 Operator : JC\MD
 Sample : VSTDIC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC050

Manual Integrations
 APPROVED

Reviewed By : John Carlone 08/02/2023
 Supervised By : Mahesh Dadoda 08/02/2023

Quant Time: Aug 02 02:51:30 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N080123W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Aug 02 02:50:16 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	7.824	128	113059	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.112	114	729078	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.871	117	560611	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.588	65	250132	29.362	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery =	97.867%		
60) 4-Bromofluorobenzene	12.853	95	299250	37.049	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery =	123.500%#		
63) Toluene-d8	10.571	98	821561	29.591	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery =	98.633%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.136	85	387777	62.003	ug/l	99
3) Chloromethane	2.371	50	485023	62.413	ug/l	96
4) Vinyl Chloride	2.518	62	560856	55.223	ug/l	95
5) Bromomethane	2.953	94	383540	49.294	ug/l	97
6) Chloroethane	3.124	64	360941	54.087	ug/l	95
7) Trichlorofluoromethane	3.506	101	671802	63.676	ug/l	96
8) Diethyl Ether	3.971	74	220539	64.728	ug/l	98
9) 1,1,2-Trichlorotrifluo...	4.389	101	360466	64.160	ug/l	70
10) 1,1-Dichloroethene	4.347	96	336626	62.423	ug/l	93
11) Methyl Iodide	4.595	142	501120	67.078	ug/l	98
12) Methyl Acetate	5.036	43	581642	73.008	ug/l	98
13) Acrolein	4.195	56	306063	325.439	ug/l	98
14) Acrylonitrile	5.736	53	857939	371.765	ug/l	98
15) Acetone	4.447	58	250608	363.352	ug/l	95
16) Carbon Disulfide	4.718	76	983808	63.861	ug/l	99
17) Allyl chloride	5.036	41	484385	64.484	ug/l	97
18) Methylene Chloride	5.294	84	414284m	71.116	ug/l	
19) trans-1,2-Dichloroethene	5.794	96	412645	65.695	ug/l	92
20) Diisopropyl ether	6.689	45	1104426	67.087	ug/l	97
21) 1,1-Dichloroethane	6.577	63	715864	65.157	ug/l	97
22) cis-1,2-Dichloroethene	7.494	96	418431	59.991	ug/l	100
23) tert-Butyl Alcohol	5.542	59	343447	325.291	ug/l #	100
24) Methyl tert-Butyl Ether	5.806	73	1258918	69.282	ug/l	98
25) Chloroform	7.977	83	669480	58.345	ug/l	97
26) Cyclohexane	8.265	56	473848	59.103	ug/l #	99
29) 1,1-Dichloropropene	8.383	75	488982	54.310	ug/l	100
30) 2-Butanone	7.494	43	1035521	292.079	ug/l	99
31) 2,2-Dichloropropane	7.500	77	588287	57.162	ug/l	98
32) 1,1,1-Trichloroethane	8.177	97	604643	52.536	ug/l	99
33) Carbon Tetrachloride	8.371	117	546389	53.872	ug/l	93
34) Benzene	8.612	78	1439832	53.049	ug/l	98
35) Methacrylonitrile	7.788	41	204269	51.779	ug/l	88
36) 1,2-Dichloroethane	8.677	62	508908	53.149	ug/l	99
37) Trichloroethene	9.359	130	452158	60.475	ug/l	99
38) Methylcyclohexane	9.612	83	564115	63.114	ug/l	98
39) 1,2-Dichloropropane	9.629	63	427670	60.045	ug/l	92
40) Dibromomethane	9.718	93	300048	59.409	ug/l	97
41) Bromodichloromethane	9.894	83	591597	58.530	ug/l	94
42) Vinyl Acetate	6.612	43	3563643	300.108	ug/l	99

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Manual Integrations
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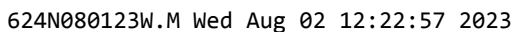
Quant Time: Aug 02 02:51:30 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N080123W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
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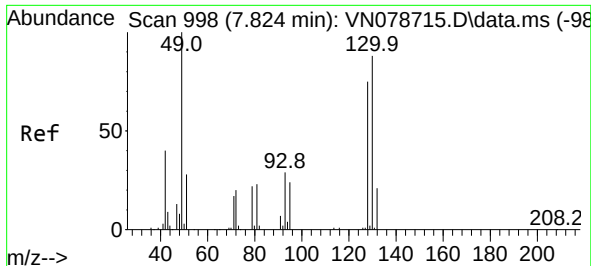
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	7.565	43	411863	55.100	ug/l	98
44) Isopropyl Acetate	8.694	43	696417	53.247	ug/l	99
45) 1,4-Dioxane	9.700	88	150164	1278.821	ug/l	97
46) Methyl methacrylate	9.682	41	377111	64.581	ug/l	99
47) n-amyl Acetate	12.500	43	624189	65.238	ug/l	98
48) t-1,3-Dichloropropene	10.841	75	578320	53.872	ug/l	98
49) cis-1,3-Dichloropropene	10.318	75	626541	55.082	ug/l	98
50) 1,1,2-Trichloroethane	11.024	97	358935	49.428	ug/l	99
51) Ethyl methacrylate	10.882	69	551980	56.847	ug/l	90
52) 1,3-Dichloropropane	11.171	76	597282	45.280	ug/l	99
53) Dibromochloromethane	11.365	129	423621	52.763	ug/l	99
54) 1,2-Dibromoethane	11.476	107	369880	51.592	ug/l	98
55) 2-Chloroethyl vinyl ether	10.165	63	889651	287.501	ug/l	99
56) Bromoform	12.582	173	319597	63.240	ug/l	97
58) 4-Methyl-2-Pentanone	10.453	43	2033154	282.705	ug/l	99
59) 2-Hexanone	11.200	43	1487953	272.569	ug/l	99
61) Tetrachloroethene	11.112	164	325689	50.810	ug/l	95
62) Toluene	10.635	91	1640512	57.014	ug/l	100
64) Chlorobenzene	11.894	112	987017	59.335	ug/l	100
65) 1,1,1,2-Tetrachloroethane	11.965	131	390453	59.119	ug/l	98
66) Ethyl Benzene	11.970	91	1766193	62.093	ug/l	99
67) m/p-Xylenes	12.076	106	1365516	126.136	ug/l	100
68) o-Xylene	12.406	106	745434	68.901	ug/l	97
69) Styrene	12.412	104	1262344	74.946	ug/l	99
70) Isopropylbenzene	12.700	105	1890852	70.297	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.941	83	582241	64.672	ug/l	100
72) 1,2,3-Trichloropropane	13.000	75	473381m	55.476	ug/l	
73) Bromobenzene	12.982	156	452662	68.028	ug/l	100
74) n-propylbenzene	13.041	91	2138608	71.874	ug/l	99
75) 2-Chlorotoluene	13.129	91	1339832	70.823	ug/l	100
76) 1,3,5-Trimethylbenzene	13.176	105	1536598	69.436	ug/l	99
77) t-1,4-Dichloro-2-butene	12.741	75	187070	74.735	ug/l	89
78) 4-Chlorotoluene	13.229	91	1346229	74.229	ug/l	98
79) tert-butylbenzene	13.441	119	1334727	69.427	ug/l	98
80) 1,2,4-Trimethylbenzene	13.488	105	1498769	71.338	ug/l	99
81) sec-Butylbenzene	13.623	105	1880073	76.789	ug/l	100
82) p-Isopropyltoluene	13.735	119	1468536	73.532	ug/l	99
83) 1,3-Dichlorobenzene	13.741	146	790470	74.161	ug/l	99
84) 1,4-Dichlorobenzene	13.817	146	731101	73.961	ug/l	100
85) n-Butylbenzene	14.059	91	929901	68.858	ug/l	98
86) Hexachloroethane	14.341	117	234131	60.984	ug/l	92
87) 1,2-Dichlorobenzene	14.112	146	658727	65.814	ug/l	97
88) 1,2-Dibromo-3-Chloropr...	14.723	75	83410	61.200	ug/l	96
89) 1,2,4-Trichlorobenzene	15.400	180	233240	80.794	ug/l	99
90) Hexachlorobutadiene	15.506	225	142796	57.761	ug/l	98
91) Naphthalene	15.647	128	696527	77.003	ug/l	99
92) 1,2,3-Trichlorobenzene	15.847	180	256565	73.952	ug/l	96

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

Manual Integrations APPROVED

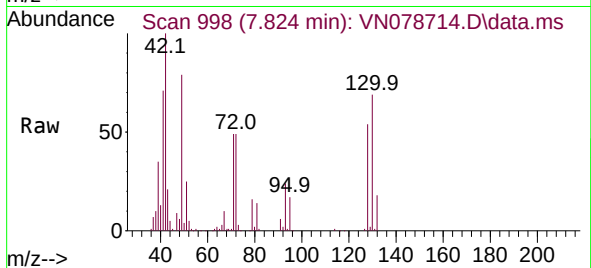
Quant Time: Aug 02 02:51:30 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N080123W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Wed Aug 02 02:50:16 2023
Response via : Initial Calibration





#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.824 min Scan# 998
Delta R.T. -0.000 min
Lab File: VN078714.D
Acq: 01 Aug 2023 13:47

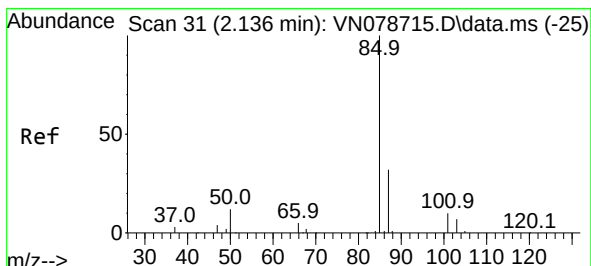
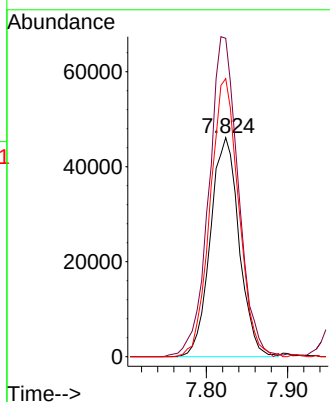
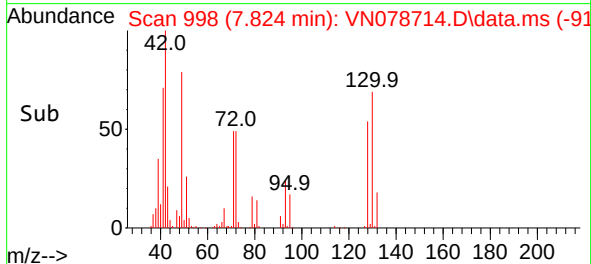
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050



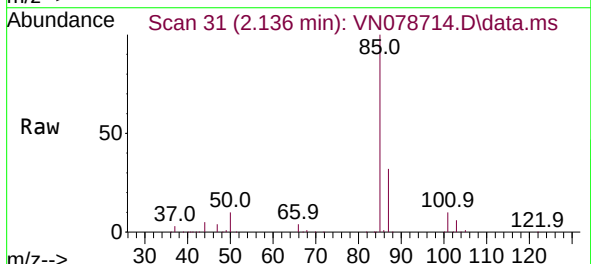
Tgt Ion:128 Resp: 113059
Ion Ratio Lower Upper
128 100
49 150.7 0.0 370.8
130 126.6 0.0 307.0

Manual Integrations
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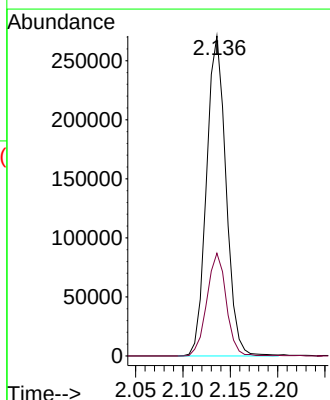
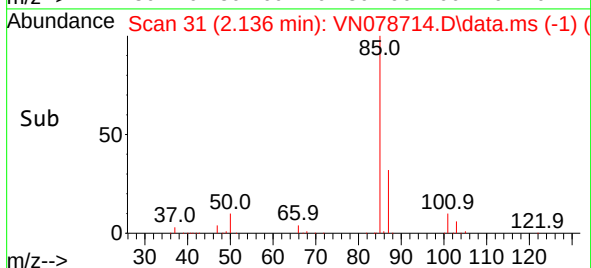
Reviewed By :John Carlone 08/02/2023
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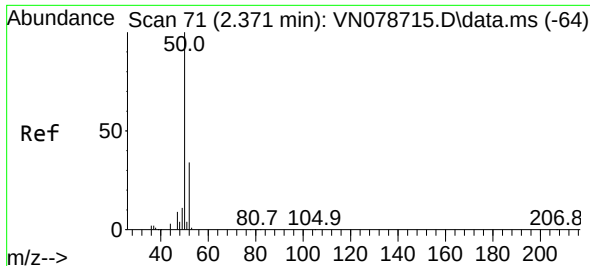


#2
Dichlorodifluoromethane
Concen: 62.003 ug/l
RT: 2.136 min Scan# 31
Delta R.T. -0.000 min
Lab File: VN078714.D
Acq: 01 Aug 2023 13:47



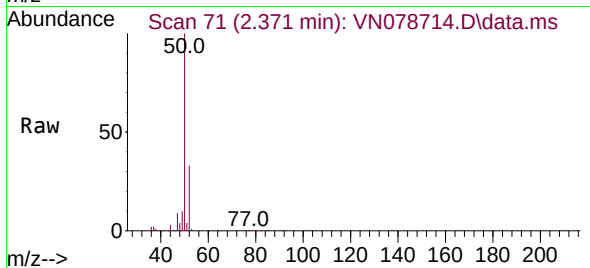
Tgt Ion: 85 Resp: 387777
Ion Ratio Lower Upper
85 100
87 32.1 16.4 49.4





#3
Chloromethane
Concen: 62.413 ug/l
RT: 2.371 min Scan# 71
Delta R.T. 0.000 min
Lab File: VN078714.D
Acq: 01 Aug 2023 13:47

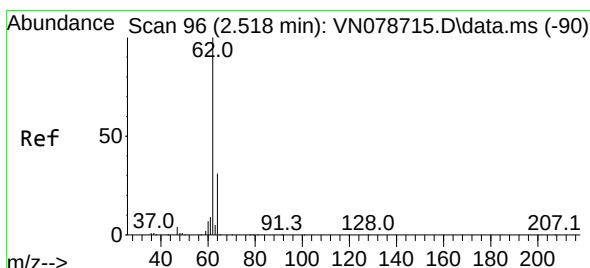
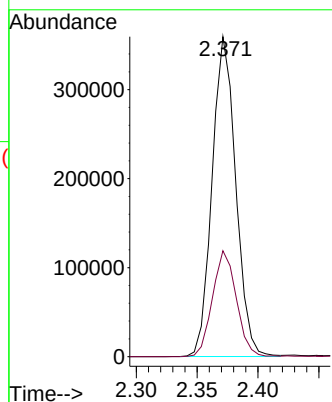
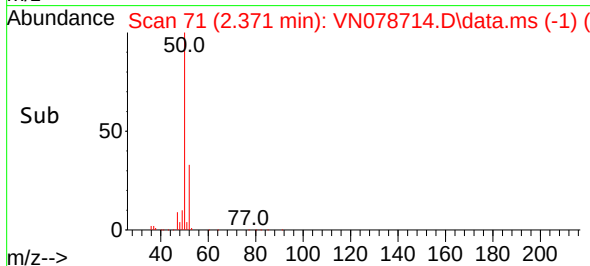
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050



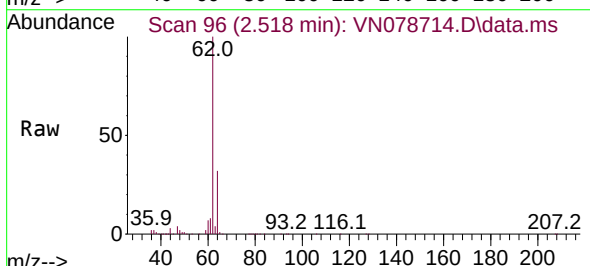
Tgt Ion: 50 Resp: 485023
Ion Ratio Lower Upper
50 100
52 33.1 24.6 36.8

Manual Integrations
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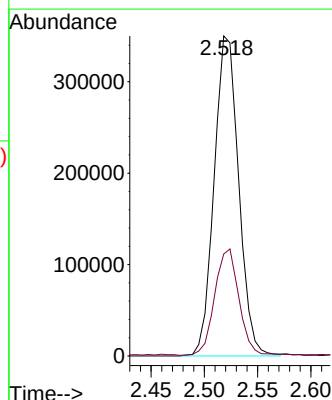
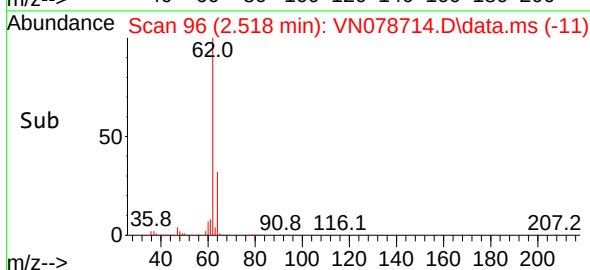
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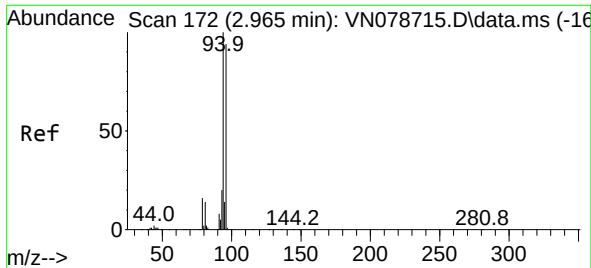


#4
Vinyl Chloride
Concen: 55.223 ug/l
RT: 2.518 min Scan# 96
Delta R.T. 0.000 min
Lab File: VN078714.D
Acq: 01 Aug 2023 13:47



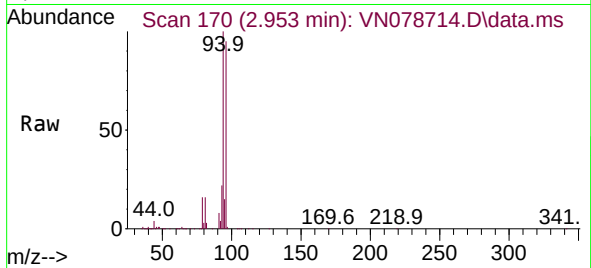
Tgt Ion: 62 Resp: 560856
Ion Ratio Lower Upper
62 100
64 31.7 23.3 34.9





#5
Bromomethane
Concen: 49.294 ug/l
RT: 2.953 min Scan# 11
Delta R.T. -0.012 min
Lab File: VN078714.D
Acq: 01 Aug 2023 13:47

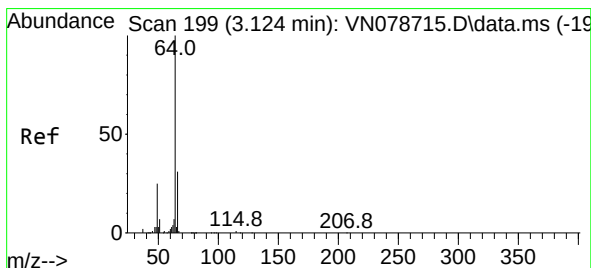
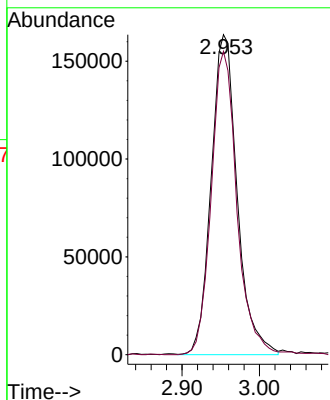
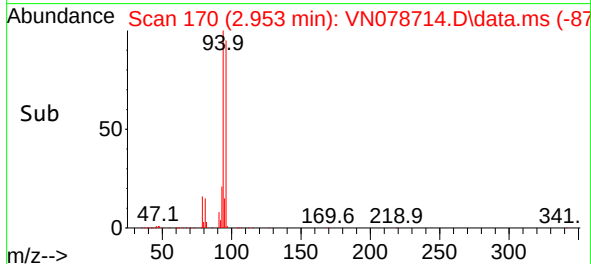
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050



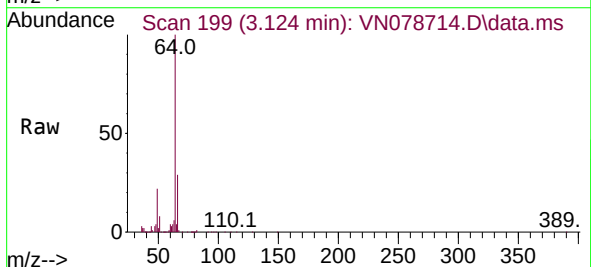
Tgt Ion: 94 Resp: 383540
Ion Ratio Lower Upper
94 100
96 94.9 73.9 110.9

Manual Integrations
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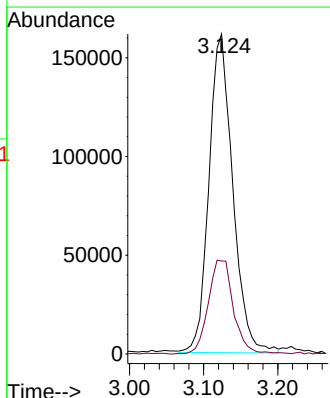
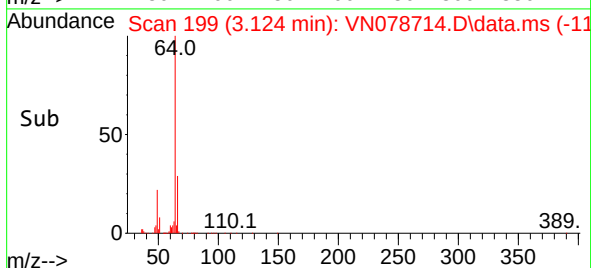
Reviewed By :John Carlone 08/02/2023
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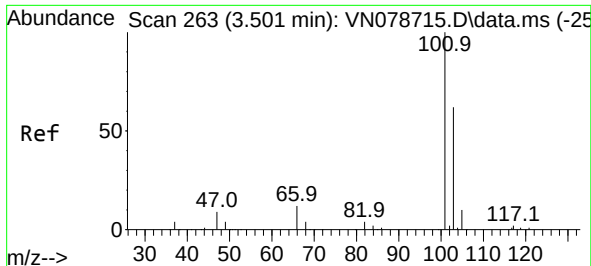


#6
Chloroethane
Concen: 54.087 ug/l
RT: 3.124 min Scan# 199
Delta R.T. 0.000 min
Lab File: VN078714.D
Acq: 01 Aug 2023 13:47



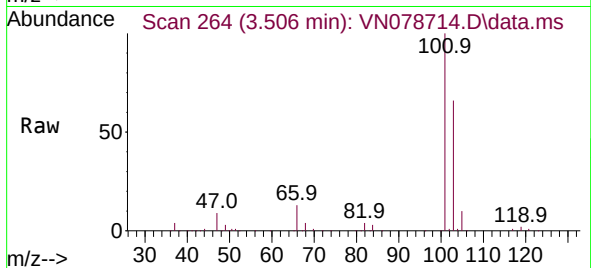
Tgt Ion: 64 Resp: 360941
Ion Ratio Lower Upper
64 100
66 29.1 25.7 38.5





#7
Trichlorofluoromethane
Concen: 63.676 ug/l
RT: 3.506 min Scan# 20
Delta R.T. 0.005 min
Lab File: VN078714.D
Acq: 01 Aug 2023 13:47

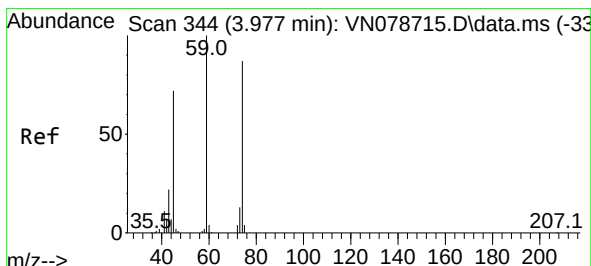
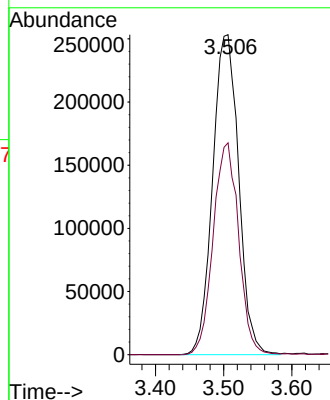
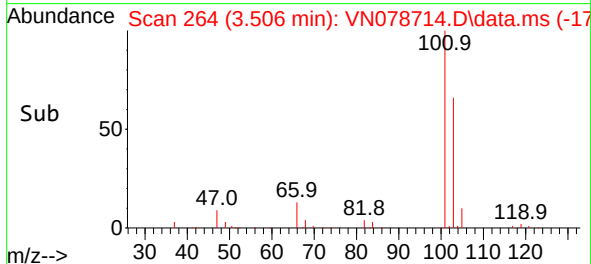
Instrument :
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ClientSampleId :
VSTDICC050



Tgt Ion:101 Resp: 67180
Ion Ratio Lower Upper
101 100
103 66.2 50.4 75.6

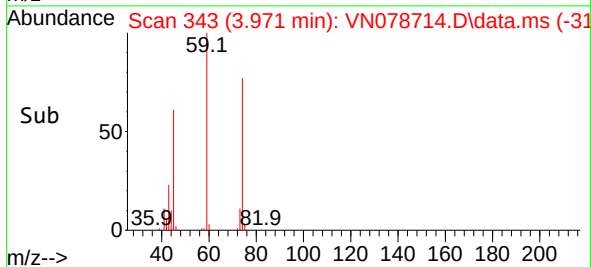
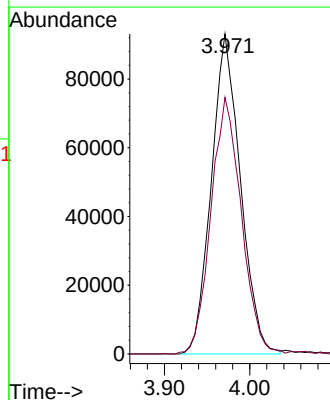
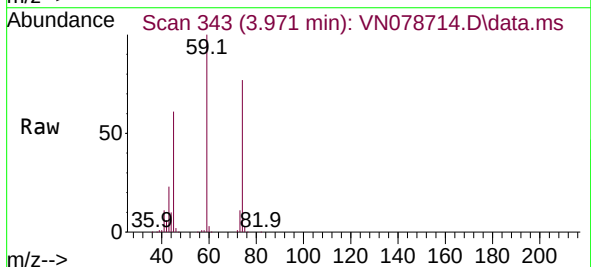
Manual Integrations
APPROVED

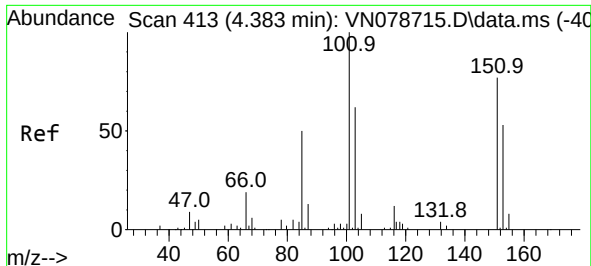
Reviewed By :John Carlone 08/02/2023
Supervised By :Mahesh Dadoda 08/02/2023



#8
Diethyl Ether
Concen: 64.728 ug/l
RT: 3.971 min Scan# 343
Delta R.T. -0.006 min
Lab File: VN078714.D
Acq: 01 Aug 2023 13:47

Tgt Ion: 74 Resp: 220539
Ion Ratio Lower Upper
74 100
45 83.6 16.3 146.5





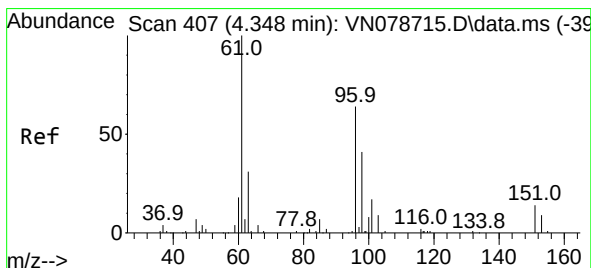
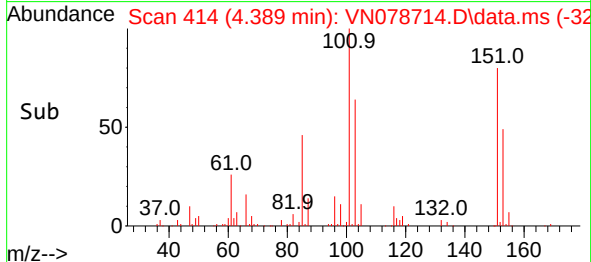
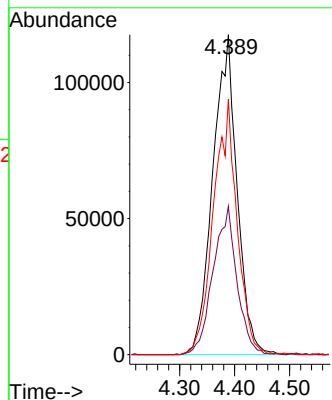
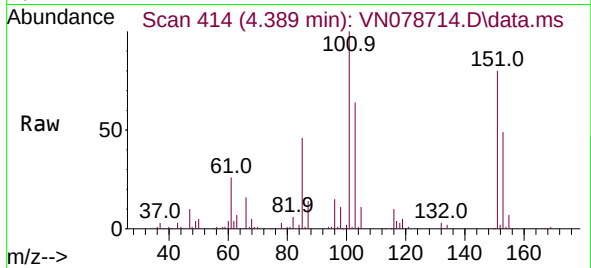
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1,1,2-Trichlorotrifluoroethane
Concen: 64.160 ug/l
RT: 4.389 min Scan# 413
Delta R.T. 0.006 min
Lab File: VN078714.D
Acq: 01 Aug 2023 13:47

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

Tgt Ion:101 Resp: 360460
Ion Ratio Lower Upper
101 100
85 45.5 0.0 89.2
151 35.0 0.0 148.8

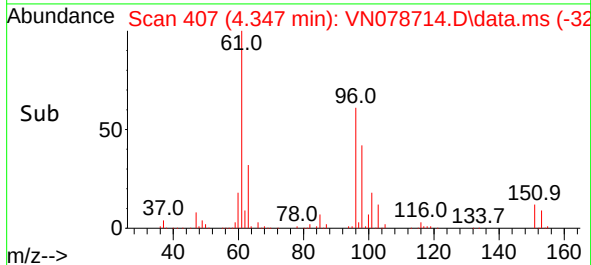
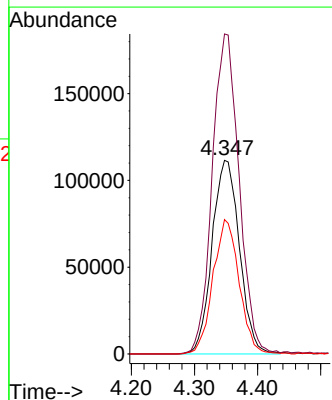
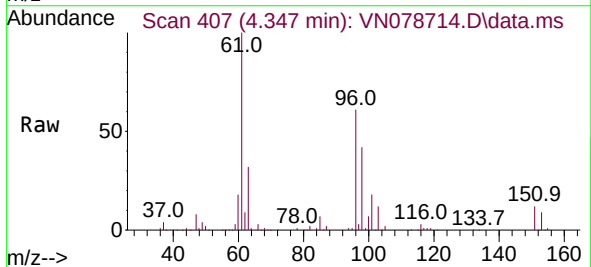
Manual Integrations
APPROVED

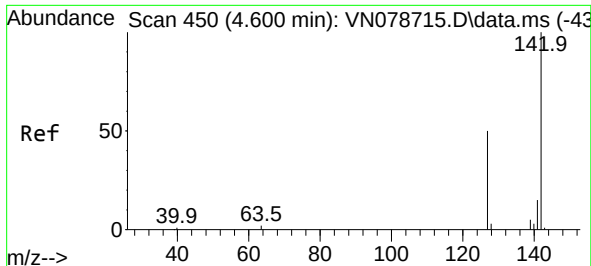
Reviewed By :John Carlone 08/02/2023
Supervised By :Mahesh Dadoda 08/02/2023



#10
1,1-Dichloroethene
Concen: 62.423 ug/l
RT: 4.347 min Scan# 407
Delta R.T. -0.001 min
Lab File: VN078714.D
Acq: 01 Aug 2023 13:47

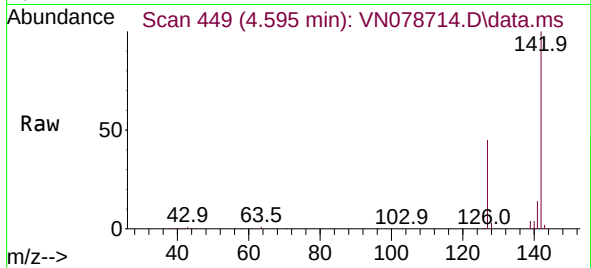
Tgt Ion: 96 Resp: 336626
Ion Ratio Lower Upper
96 100
61 165.0 123.4 185.2
98 69.4 53.7 80.5





#11
Methyl Iodide
Concen: 67.078 ug/l
RT: 4.595 min Scan# 449
Delta R.T. -0.005 min
Lab File: VN078714.D
Acq: 01 Aug 2023 13:47

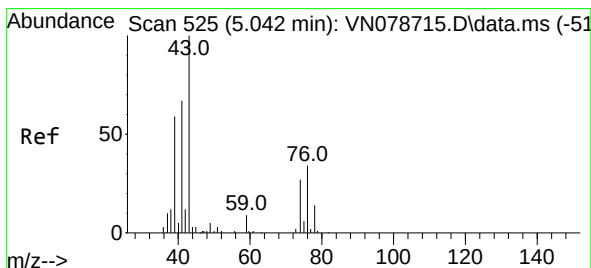
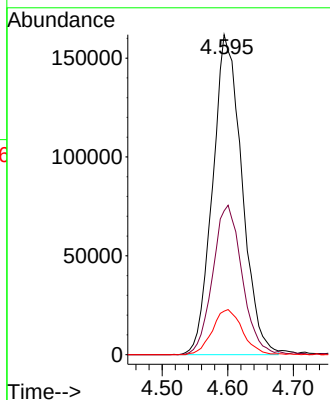
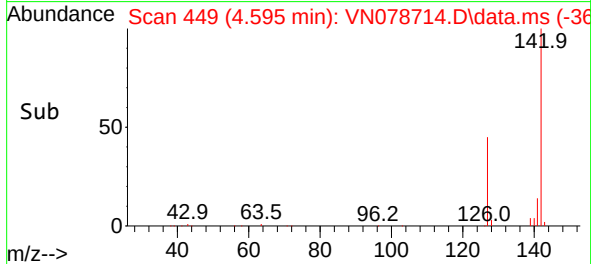
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050



Tgt Ion:142 Resp: 501120
Ion Ratio Lower Upper
142 100
127 44.7 23.2 69.5
141 13.5 7.2 21.7

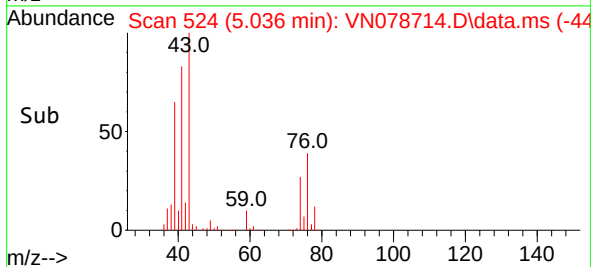
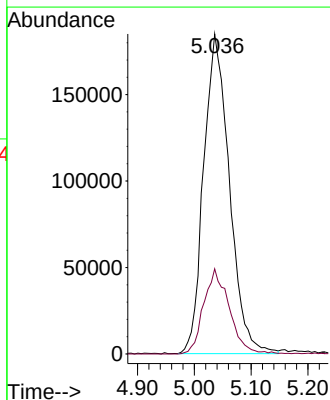
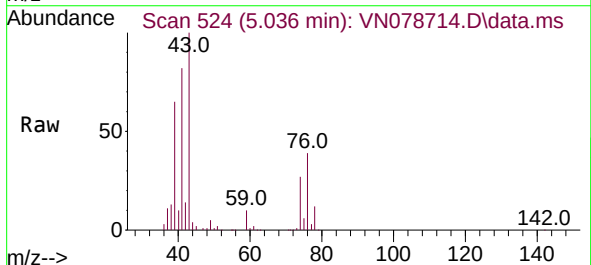
Manual Integrations
APPROVED

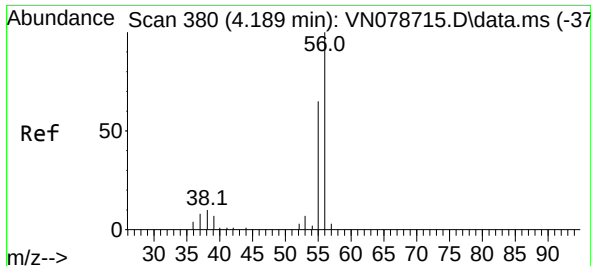
Reviewed By :John Carlone 08/02/2023
Supervised By :Mahesh Dadoda 08/02/2023



#12
Methyl Acetate
Concen: 73.008 ug/l
RT: 5.036 min Scan# 524
Delta R.T. -0.006 min
Lab File: VN078714.D
Acq: 01 Aug 2023 13:47

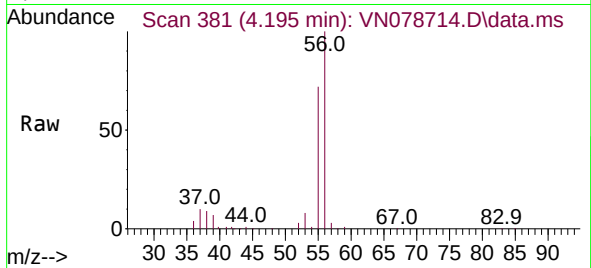
Tgt Ion: 43 Resp: 581642
Ion Ratio Lower Upper
43 100
74 26.6 20.5 30.7





#13
Acrolein
Concen: 325.439 ug/l
RT: 4.195 min Scan# 381
Delta R.T. 0.006 min
Lab File: VN078714.D
Acq: 01 Aug 2023 13:47

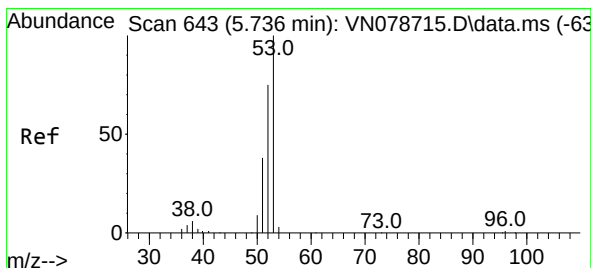
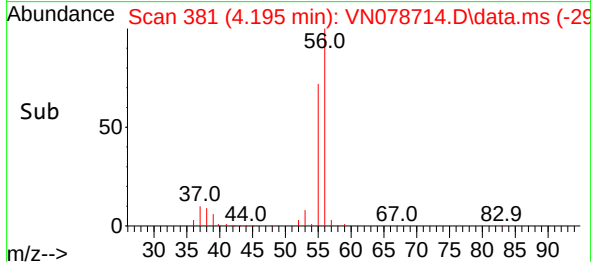
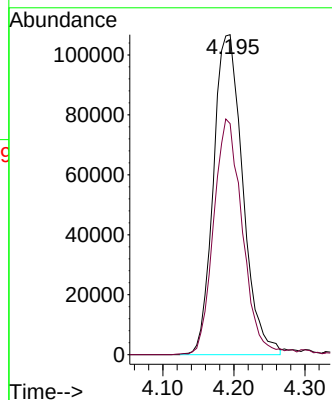
Instrument :
MSVOA_N
Client Sample Id :
VSTDIC050



Tgt Ion: 56 Resp: 30606
Ion Ratio Lower Upper
56 100
55 71.9 59.0 88.4

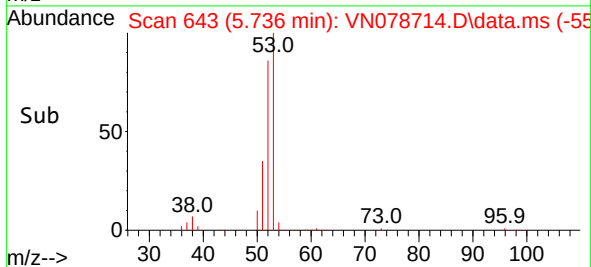
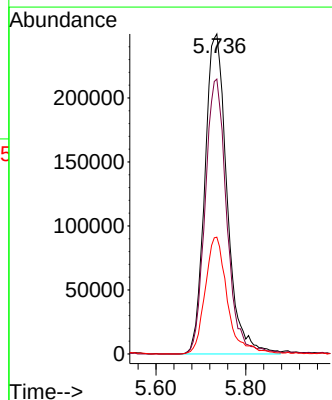
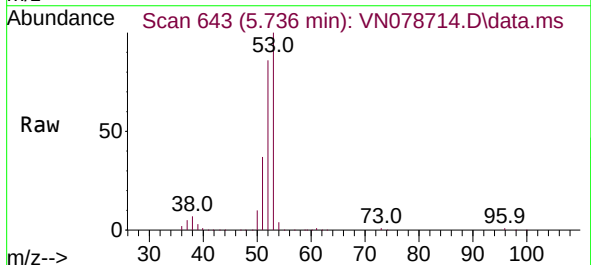
Manual Integrations
APPROVED

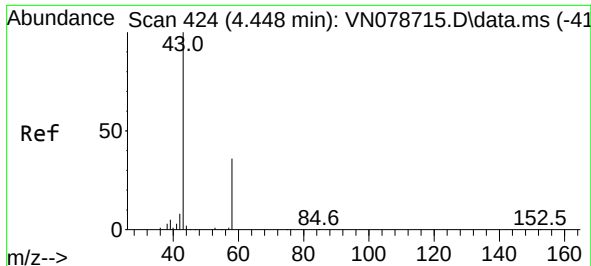
Reviewed By :John Carlone 08/02/2023
Supervised By :Mahesh Dadoda 08/02/2023



#14
Acrylonitrile
Concen: 371.765 ug/l
RT: 5.736 min Scan# 643
Delta R.T. -0.000 min
Lab File: VN078714.D
Acq: 01 Aug 2023 13:47

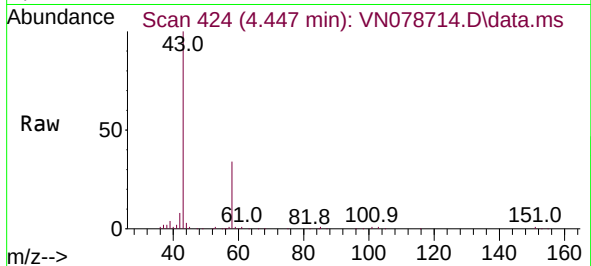
Tgt Ion: 53 Resp: 857939
Ion Ratio Lower Upper
53 100
52 82.8 42.3 126.9
51 35.3 18.4 55.4





#15
Acetone
Concen: 363.352 ug/l
RT: 4.447 min Scan# 41
Delta R.T. -0.001 min
Lab File: VN078714.D
Acq: 01 Aug 2023 13:47

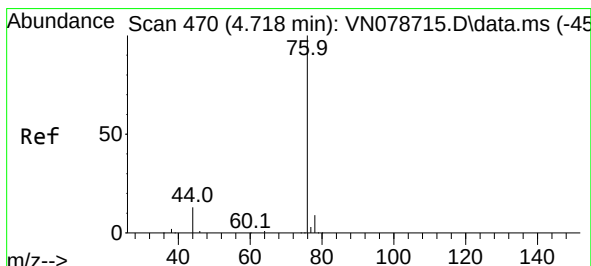
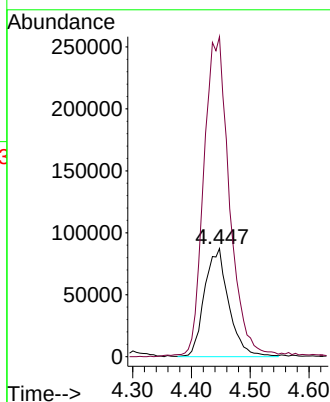
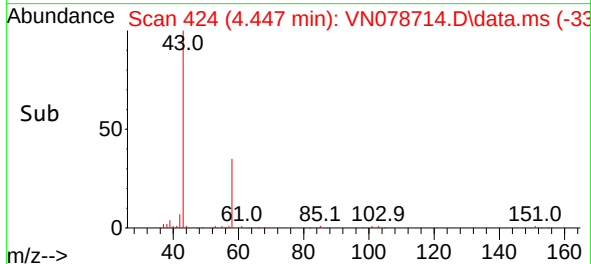
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050



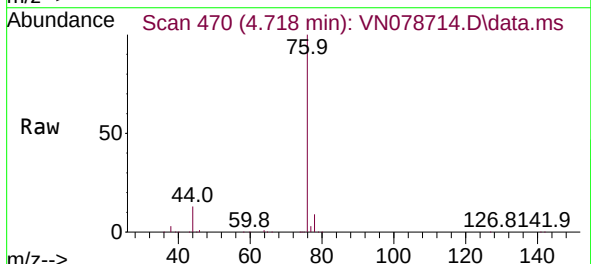
Tgt Ion: 58 Resp: 250608
Ion Ratio Lower Upper
58 100
43 294.5 227.5 341.3

Manual Integrations
APPROVED

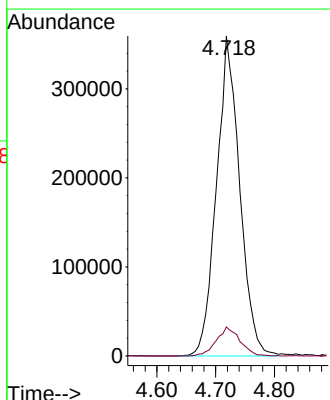
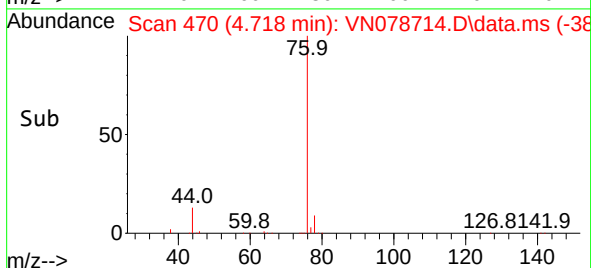
Reviewed By :John Carlone 08/02/2023
Supervised By :Mahesh Dadoda 08/02/2023

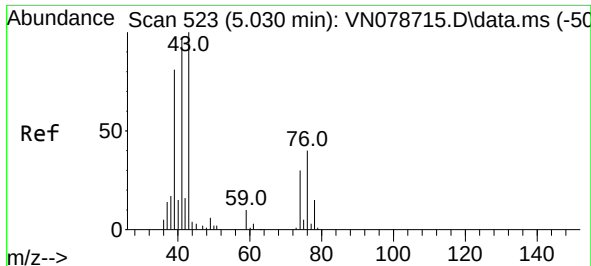


#16
Carbon Disulfide
Concen: 63.861 ug/l
RT: 4.718 min Scan# 470
Delta R.T. 0.000 min
Lab File: VN078714.D
Acq: 01 Aug 2023 13:47



Tgt Ion: 76 Resp: 983808
Ion Ratio Lower Upper
76 100
78 9.1 7.7 11.5





#17

Allyl chloride

Concen: 64.484 ug/l

RT: 5.036 min Scan# 51

Delta R.T. 0.006 min

Lab File: VN078714.D

Acq: 01 Aug 2023 13:47

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC050

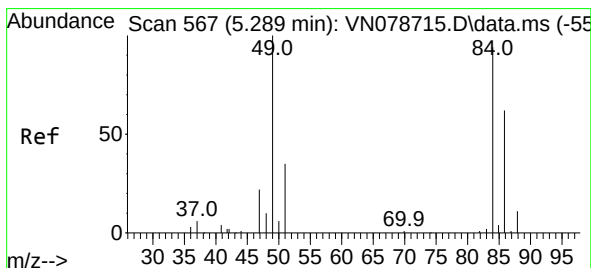
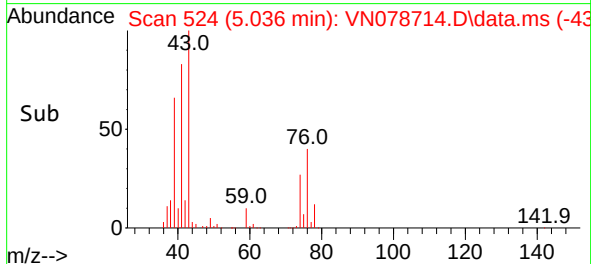
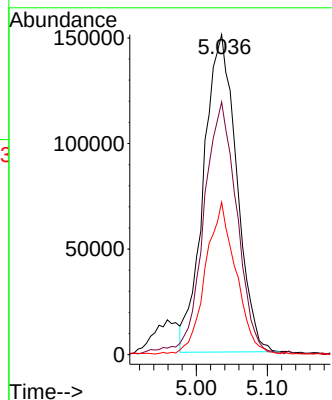
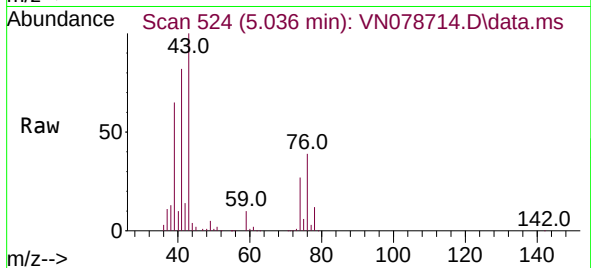
Tgt Ion:	41	Resp:	48438
Ion Ratio	Lower	Upper	
41	100		
39	78.8	37.6	112.8
76	47.8	23.8	71.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 08/02/2023

Supervised By :Mahesh Dadoda 08/02/2023



#18

Methylene Chloride

Concen: 71.116 ug/l m

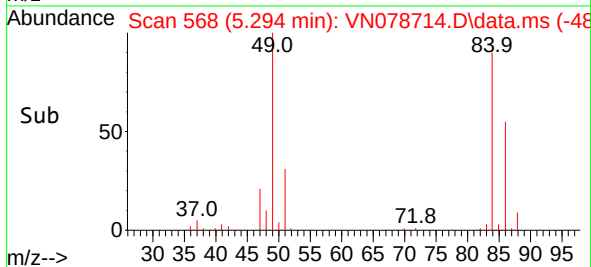
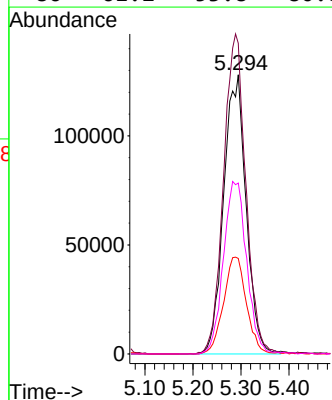
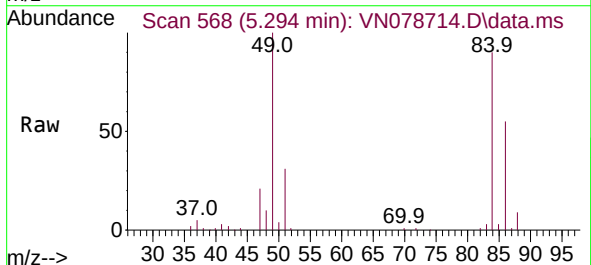
RT: 5.294 min Scan# 568

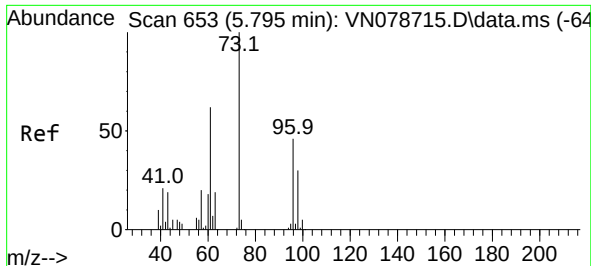
Delta R.T. 0.005 min

Lab File: VN078714.D

Acq: 01 Aug 2023 13:47

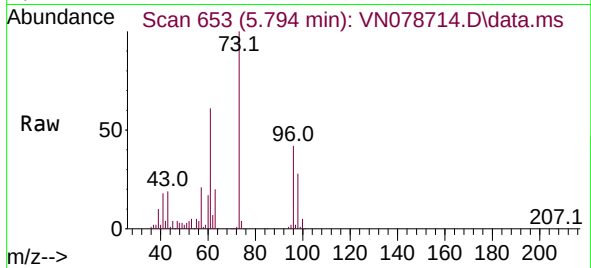
Tgt Ion:	84	Resp:	414284
Ion Ratio	Lower	Upper	
84	100		
49	111.3	88.1	132.1
51	34.2	24.0	36.0
86	61.2	53.8	80.8





#19
trans-1,2-Dichloroethene
Concen: 65.695 ug/l
RT: 5.794 min Scan# 612
Delta R.T. -0.001 min
Lab File: VN078714.D
Acq: 01 Aug 2023 13:47

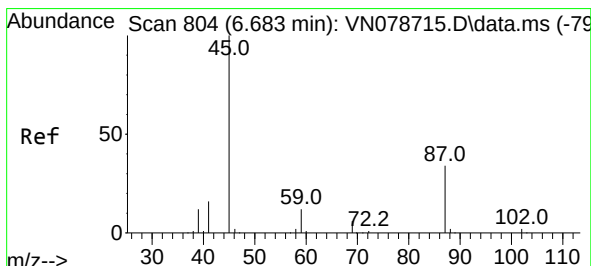
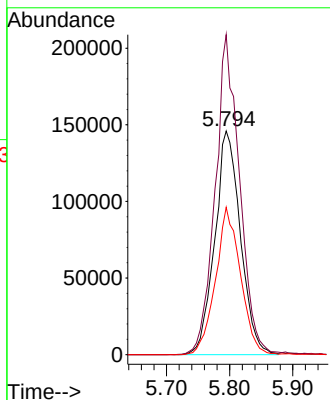
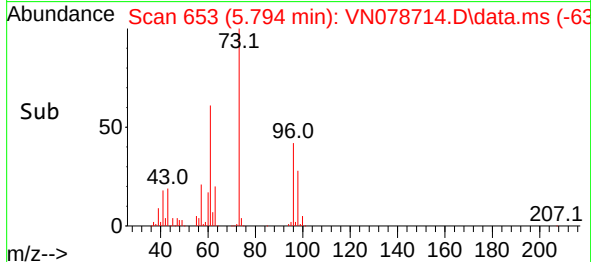
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050



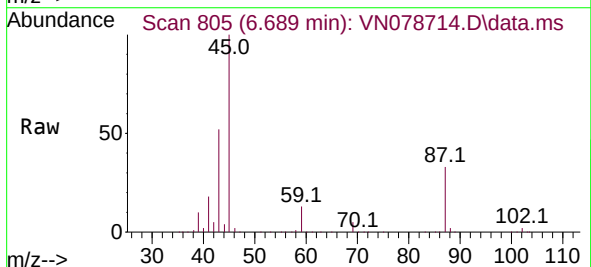
Tgt Ion: 96 Resp: 412649
Ion Ratio Lower Upper
96 100
61 142.9 105.2 157.8
98 65.9 50.5 75.7

Manual Integrations
APPROVED

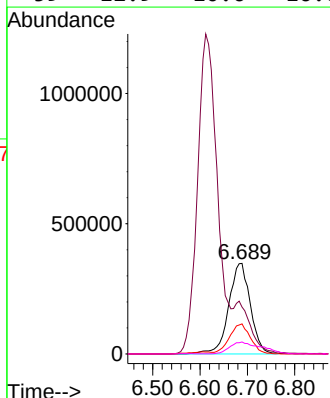
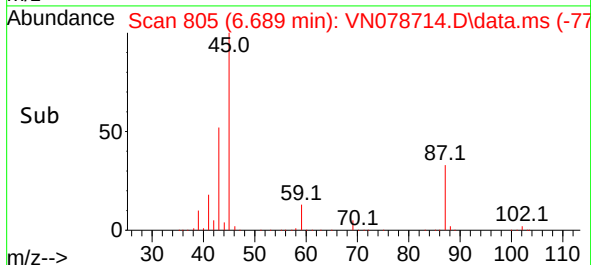
Reviewed By :John Carlone 08/02/2023
Supervised By :Mahesh Dadoda 08/02/2023

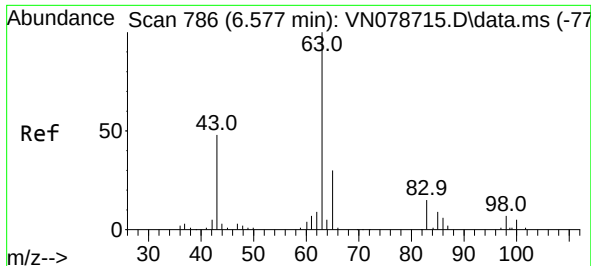


#20
Diisopropyl ether
Concen: 67.087 ug/l
RT: 6.689 min Scan# 805
Delta R.T. 0.006 min
Lab File: VN078714.D
Acq: 01 Aug 2023 13:47



Tgt Ion: 45 Resp: 1104426
Ion Ratio Lower Upper
45 100
43 50.7 43.6 65.4
87 32.9 25.8 38.6
59 12.9 10.6 16.0





#21

1,1-Dichloroethane

Concen: 65.157 ug/l

RT: 6.577 min Scan# 715864

Delta R.T. -0.000 min

Lab File: VN078714.D

Acq: 01 Aug 2023 13:47

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC050

Tgt Ion: 63 Resp: 715864

Ion Ratio Lower Upper

63 100

98 7.4 2.7 8.1

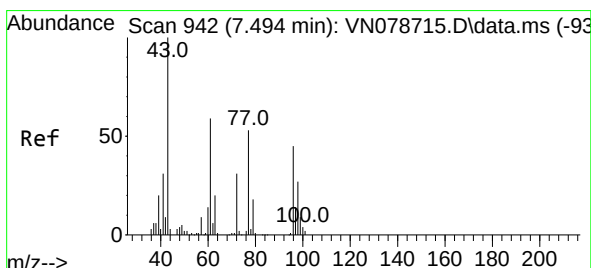
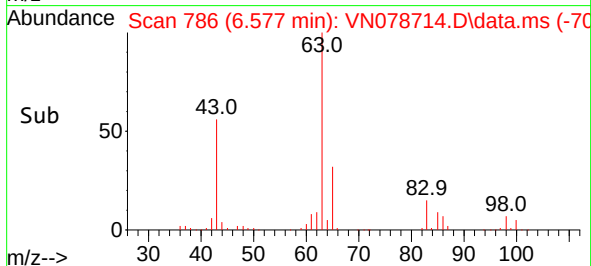
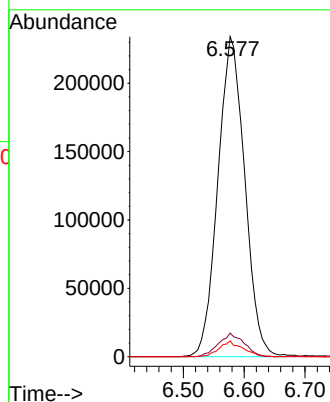
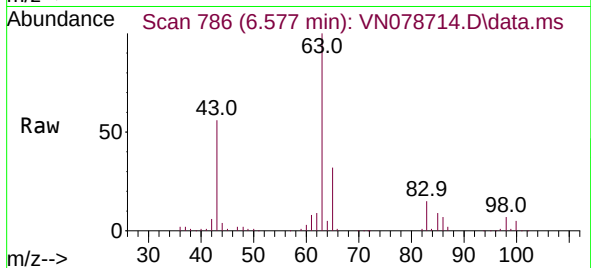
100 4.9 2.5 7.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 08/02/2023

Supervised By :Mahesh Dadoda 08/02/2023



#22

cis-1,2-Dichloroethene

Concen: 59.991 ug/l

RT: 7.494 min Scan# 942

Delta R.T. 0.000 min

Lab File: VN078714.D

Acq: 01 Aug 2023 13:47

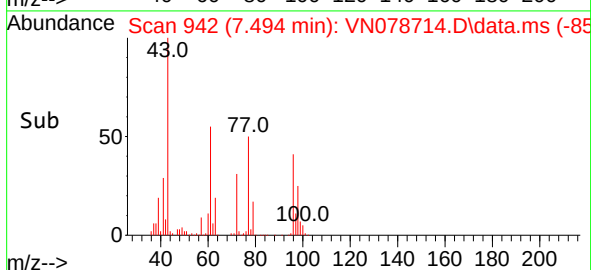
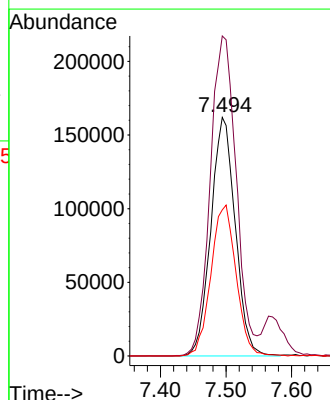
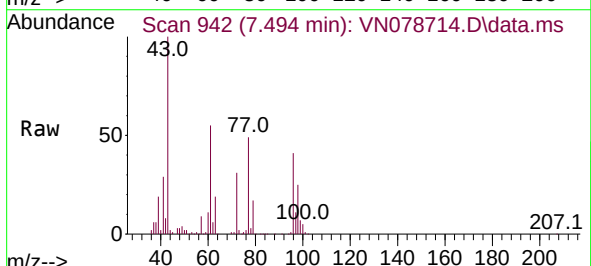
Tgt Ion: 96 Resp: 418431

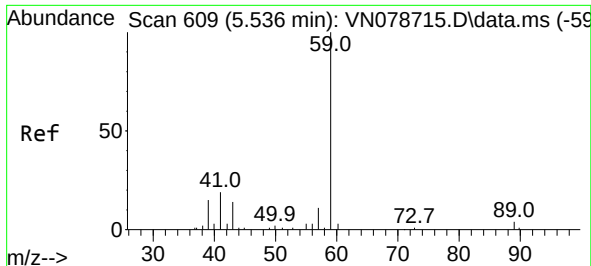
Ion Ratio Lower Upper

96 100

61 142.8 113.8 170.6

98 65.3 52.2 78.4





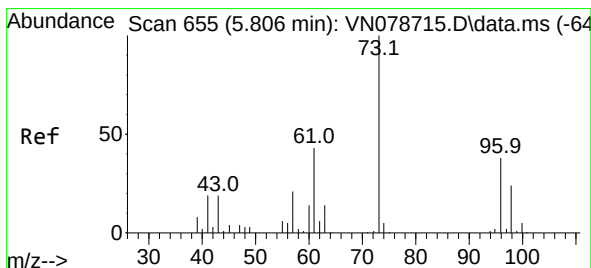
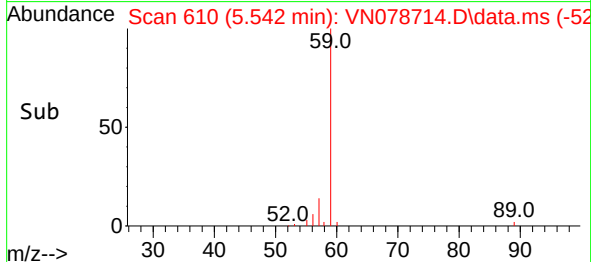
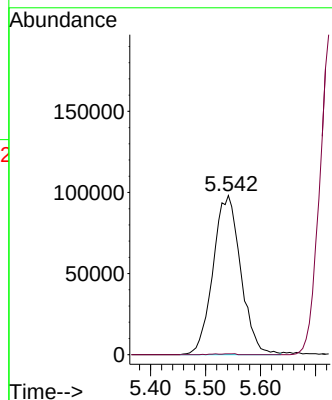
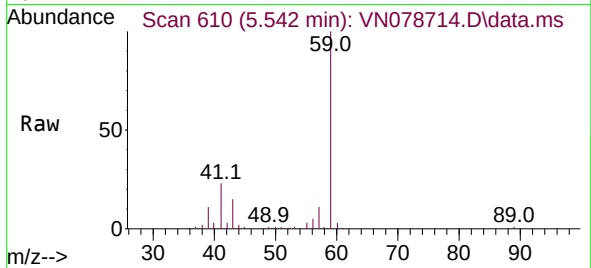
#23
tert-Butyl Alcohol
Concen: 325.291 ug/l
RT: 5.542 min Scan# 610
Delta R.T. 0.006 min
Lab File: VN078714.D
Acq: 01 Aug 2023 13:47

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

Tgt Ion: 59 Resp: 34344
Ion Ratio Lower Upper
59 100
52 0.2 0.1 0.1

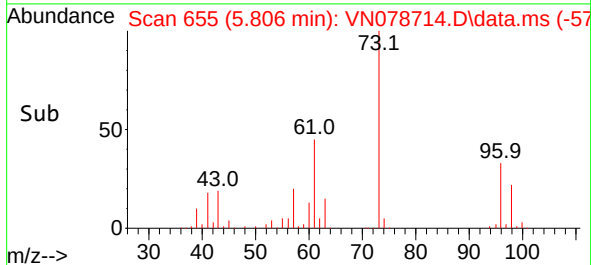
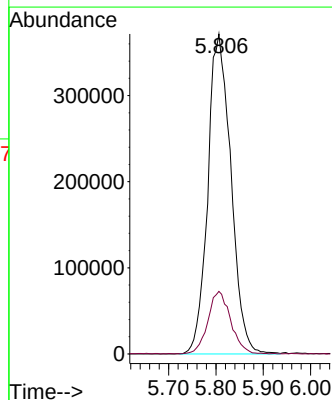
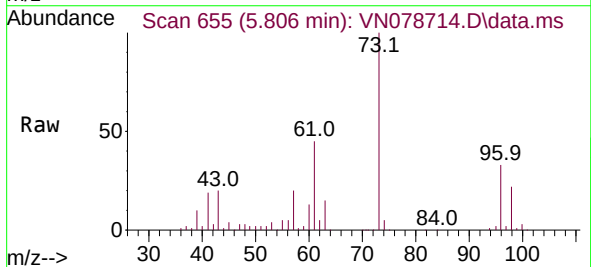
Manual Integrations
APPROVED

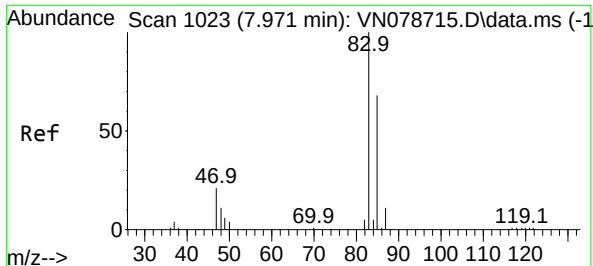
Reviewed By :John Carlone 08/02/2023
Supervised By :Mahesh Dadoda 08/02/2023



#24
Methyl tert-Butyl Ether
Concen: 69.282 ug/l
RT: 5.806 min Scan# 655
Delta R.T. 0.000 min
Lab File: VN078714.D
Acq: 01 Aug 2023 13:47

Tgt Ion: 73 Resp: 1258918
Ion Ratio Lower Upper
73 100
43 19.2 14.5 21.7





#25

Chloroform

Concen: 58.345 ug/l

RT: 7.977 min Scan# 1024

Delta R.T. 0.006 min

Lab File: VN078714.D

Acq: 01 Aug 2023 13:47

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC050

Tgt Ion: 83 Resp: 669480

Ion Ratio Lower Upper

83 100

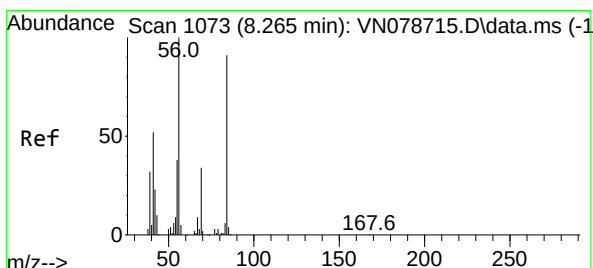
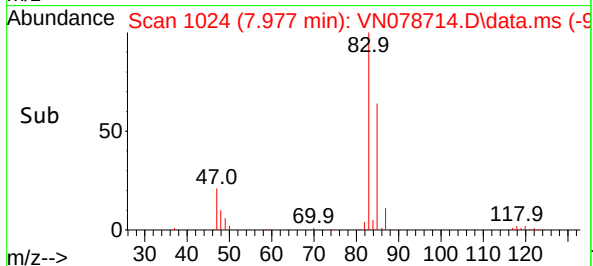
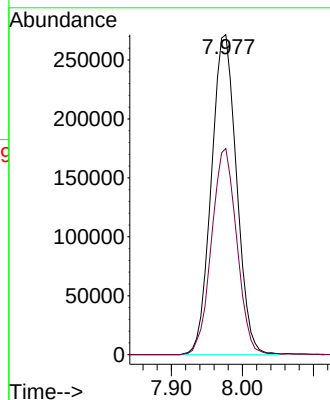
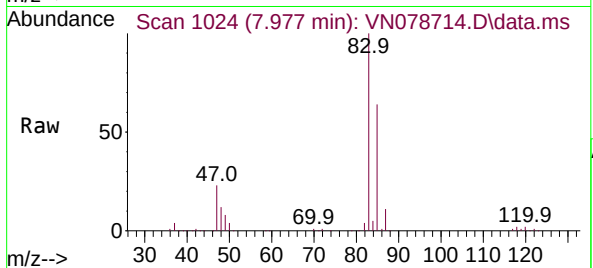
85 64.5 53.4 80.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 08/02/2023

Supervised By :Mahesh Dadoda 08/02/2023



#26

Cyclohexane

Concen: 59.103 ug/l

RT: 8.265 min Scan# 1073

Delta R.T. -0.000 min

Lab File: VN078714.D

Acq: 01 Aug 2023 13:47

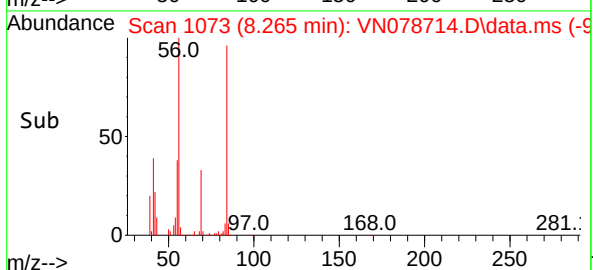
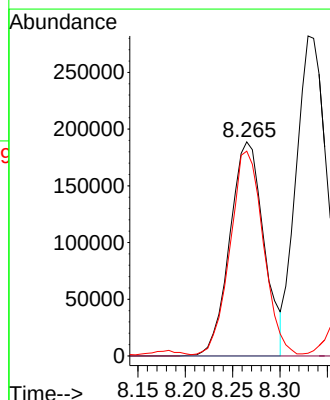
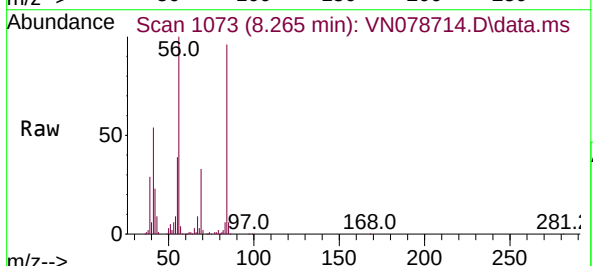
Tgt Ion: 56 Resp: 473848

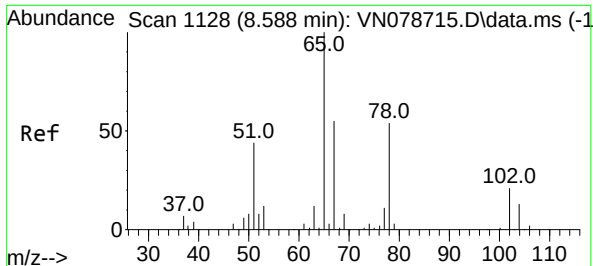
Ion Ratio Lower Upper

56 100

89 0.0 0.0 0.0

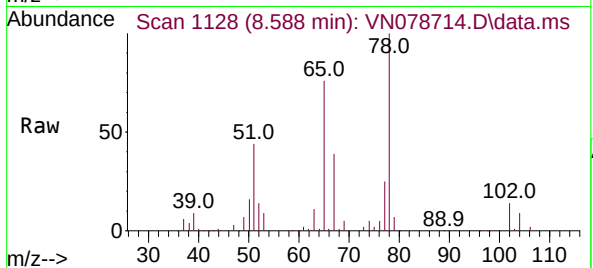
84 93.8 74.2 111.4





#27
1,2-Dichloroethane-d4
Concen: 29.362 ug/l
RT: 8.588 min Scan# 1128
Delta R.T. 0.000 min
Lab File: VN078714.D
Acq: 01 Aug 2023 13:47

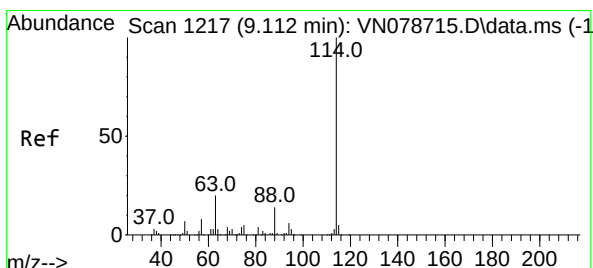
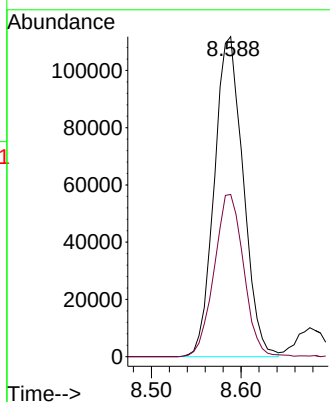
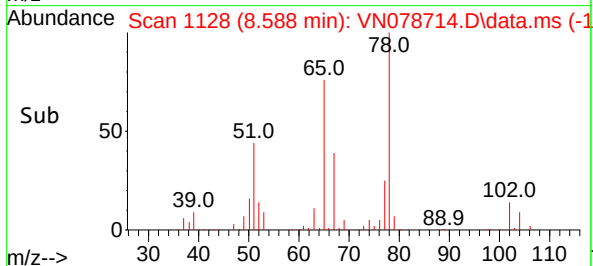
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050



Tgt Ion: 65 Resp: 25013
Ion Ratio Lower Upper
65 100
67 51.6 42.9 64.3

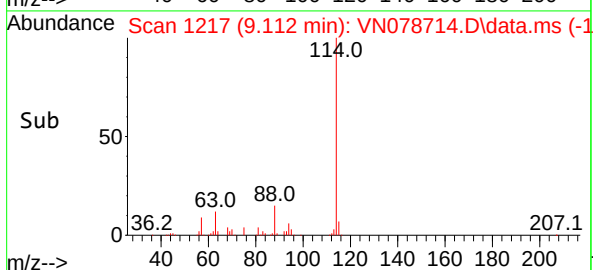
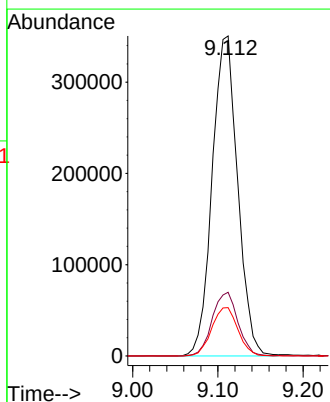
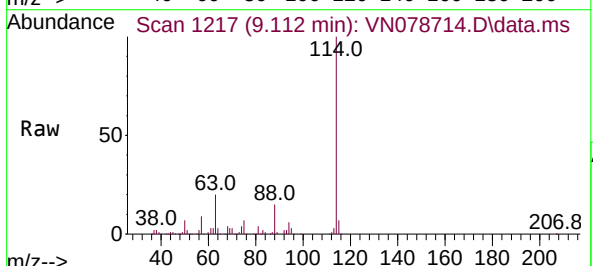
Manual Integrations
APPROVED

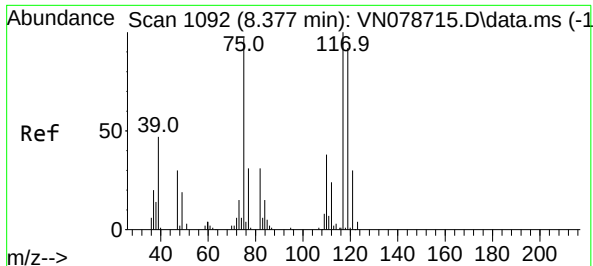
Reviewed By :John Carlone 08/02/2023
Supervised By :Mahesh Dadoda 08/02/2023



#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 9.112 min Scan# 1217
Delta R.T. -0.000 min
Lab File: VN078714.D
Acq: 01 Aug 2023 13:47

Tgt Ion:114 Resp: 729078
Ion Ratio Lower Upper
114 100
63 20.1 15.2 22.8
88 15.5 12.5 18.7





#29

1,1-Dichloropropene

Concen: 54.310 ug/l

RT: 8.383 min Scan# 1093

Delta R.T. 0.005 min

Lab File: VN078714.D

Acq: 01 Aug 2023 13:47

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC050

Tgt Ion: 75 Resp: 48898

Ion Ratio Lower Upper

75 100

110 36.1 0.0 72.2

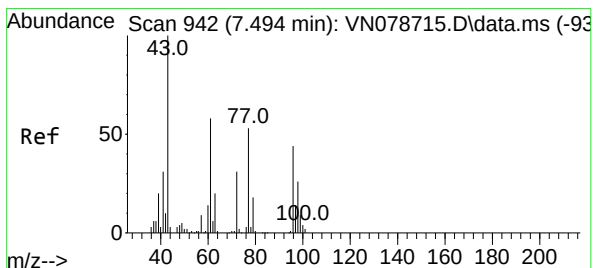
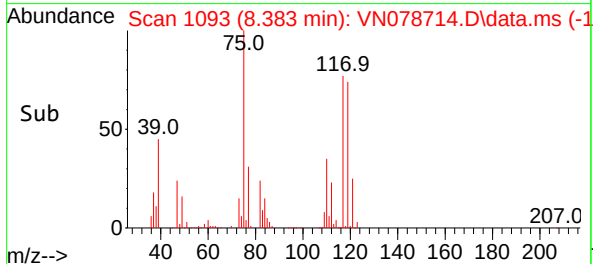
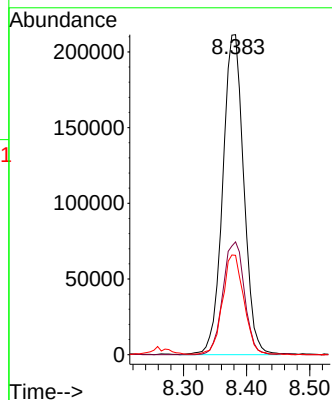
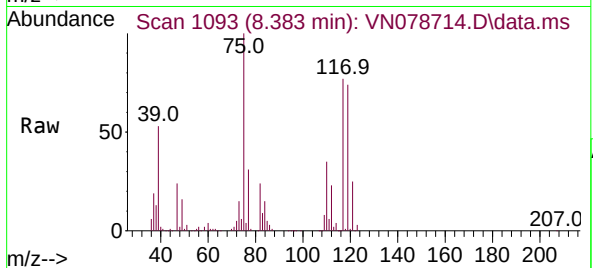
77 31.8 0.0 62.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 08/02/2023

Supervised By :Mahesh Dadoda 08/02/2023



#30

2-Butanone

Concen: 292.079 ug/l

RT: 7.494 min Scan# 942

Delta R.T. 0.000 min

Lab File: VN078714.D

Acq: 01 Aug 2023 13:47

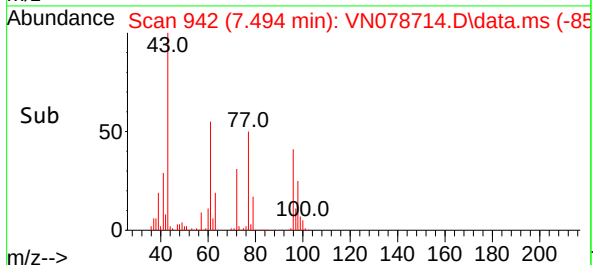
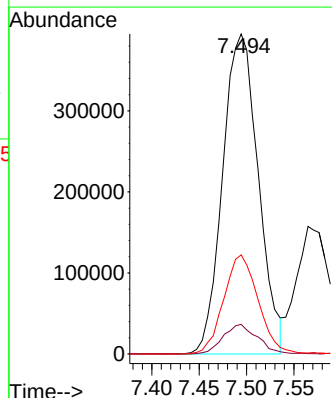
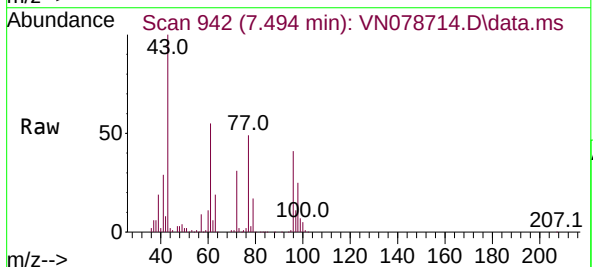
Tgt Ion: 43 Resp: 1035521

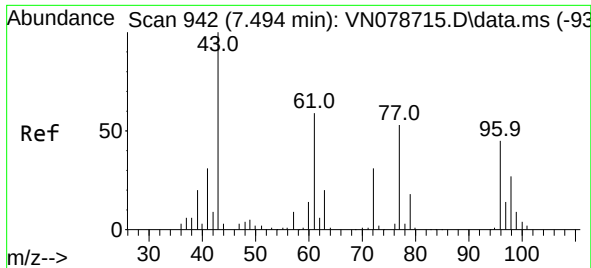
Ion Ratio Lower Upper

43 100

57 8.9 6.8 10.2

72 29.9 23.8 35.6





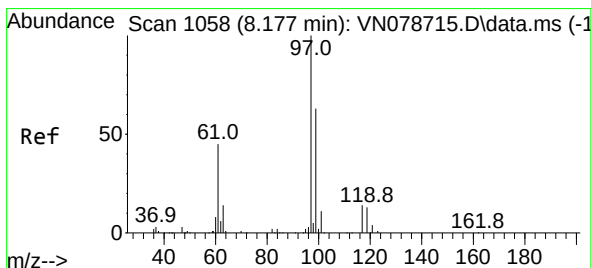
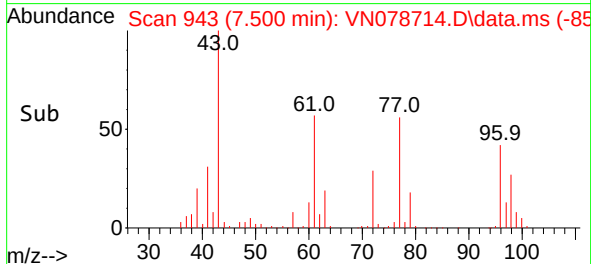
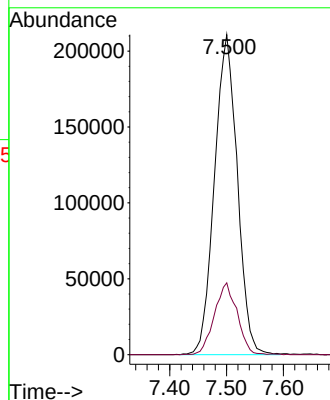
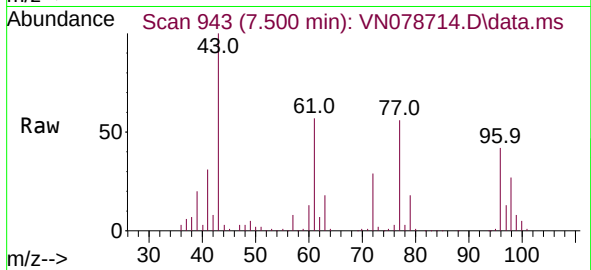
#31
2,2-Dichloropropane
Concen: 57.162 ug/l
RT: 7.500 min Scan# 942
Delta R.T. 0.006 min
Lab File: VN078714.D
Acq: 01 Aug 2023 13:47

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC050

Tgt Ion: 77 Resp: 58828
Ion Ratio Lower Upper
77 100
97 22.3 18.8 28.2

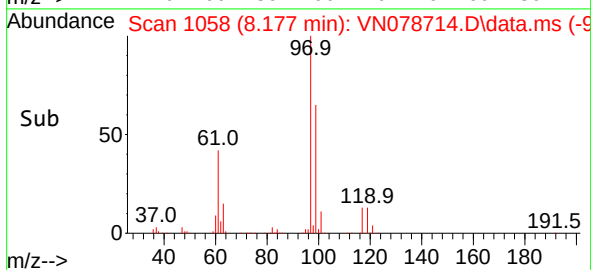
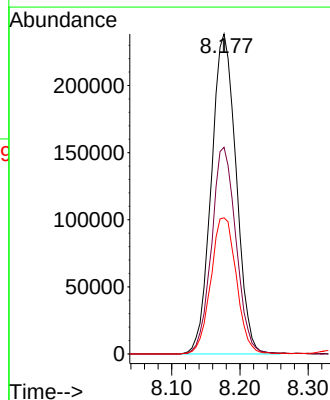
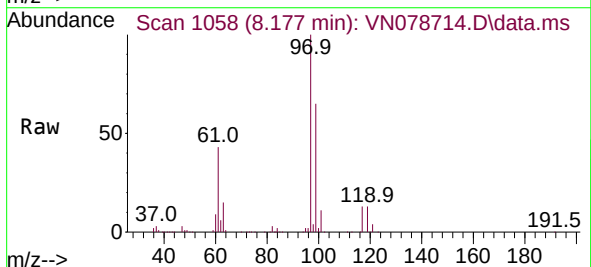
Manual Integrations
APPROVED

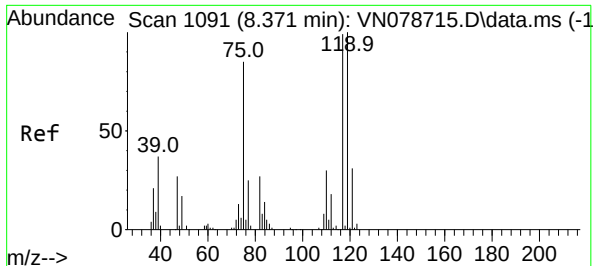
Reviewed By :John Carlone 08/02/2023
Supervised By :Mahesh Dadoda 08/02/2023



#32
1,1,1-Trichloroethane
Concen: 52.536 ug/l
RT: 8.177 min Scan# 1058
Delta R.T. -0.000 min
Lab File: VN078714.D
Acq: 01 Aug 2023 13:47

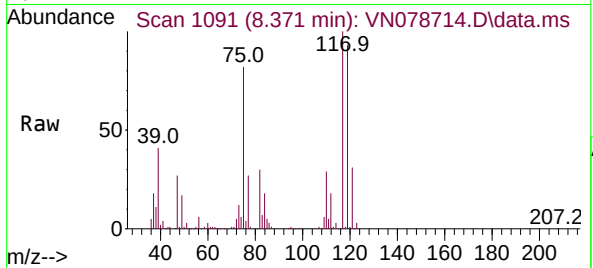
Tgt Ion: 97 Resp: 604643
Ion Ratio Lower Upper
97 100
99 63.8 51.3 76.9
61 43.8 34.6 52.0





#33
Carbon Tetrachloride
Concen: 53.872 ug/l
RT: 8.371 min Scan# 1091
Delta R.T. -0.000 min
Lab File: VN078714.D
Acq: 01 Aug 2023 13:47

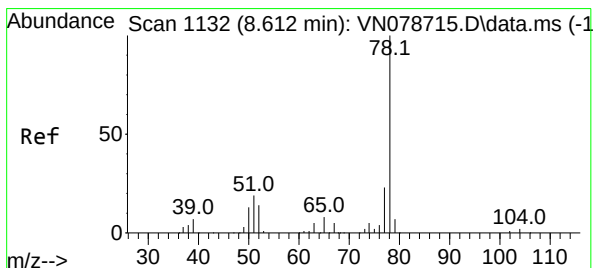
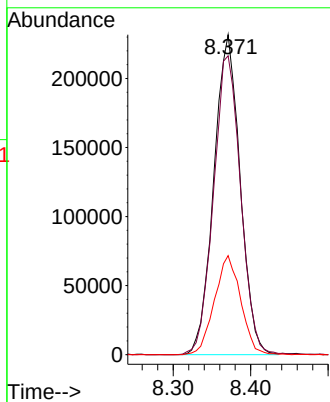
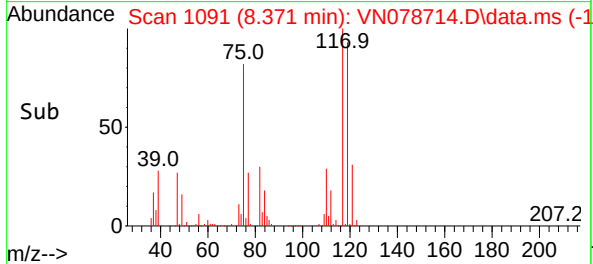
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050



Tgt Ion:117 Resp: 546389
Ion Ratio Lower Upper
117 100
119 93.3 81.4 122.0
121 30.9 23.6 35.4

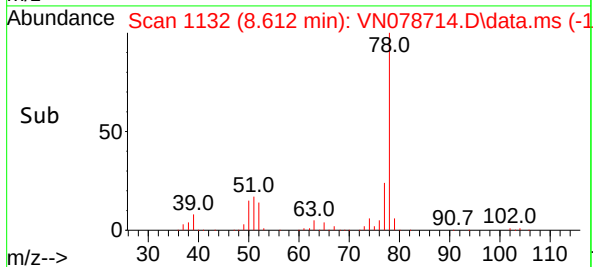
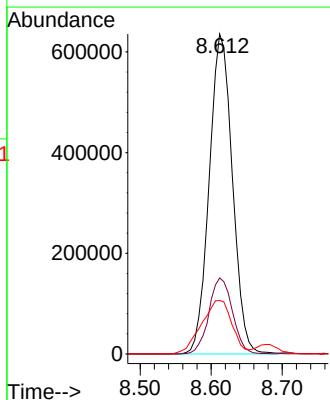
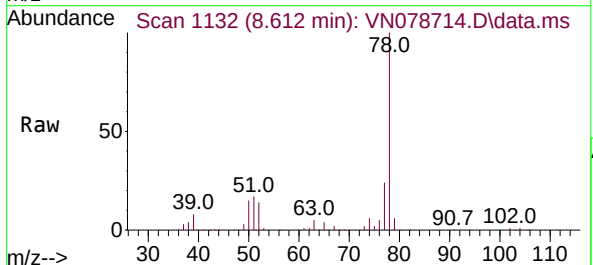
Manual Integrations
APPROVED

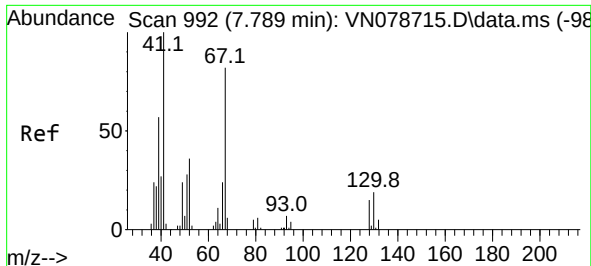
Reviewed By :John Carlone 08/02/2023
Supervised By :Mahesh Dadoda 08/02/2023



#34
Benzene
Concen: 53.049 ug/l
RT: 8.612 min Scan# 1132
Delta R.T. -0.000 min
Lab File: VN078714.D
Acq: 01 Aug 2023 13:47

Tgt Ion: 78 Resp: 1439832
Ion Ratio Lower Upper
78 100
77 23.8 18.3 27.5
51 16.2 13.7 20.5





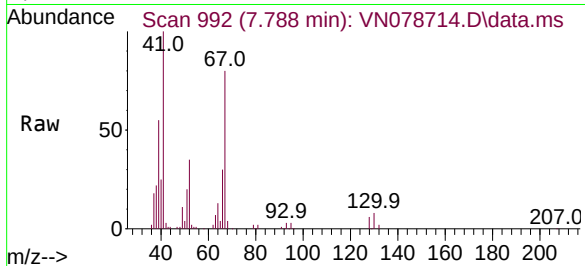
#35
Methacrylonitrile
Concen: 51.779 ug/l
RT: 7.788 min Scan# 992
Delta R.T. -0.001 min
Lab File: VN078714.D
Acq: 01 Aug 2023 13:47

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC050

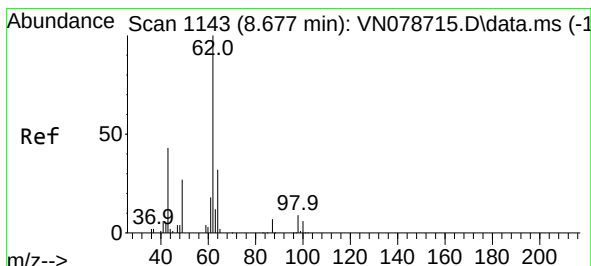
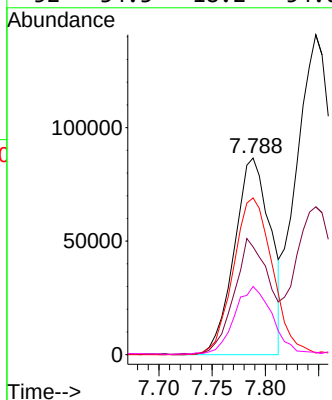
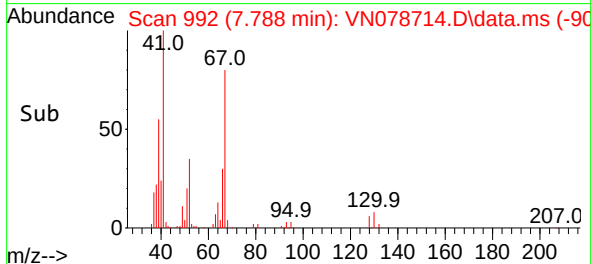


Tgt Ion: 41 Resp: 204269
Ion Ratio Lower Upper
41 100
39 54.5 33.9 101.6
67 79.7 45.9 137.6
52 34.3 18.2 54.6

Manual Integrations

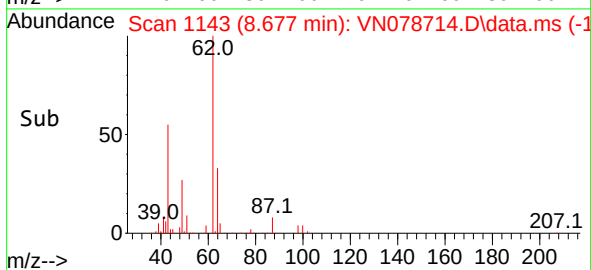
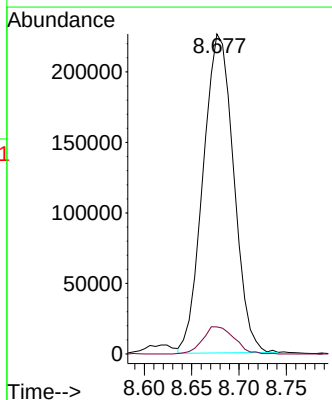
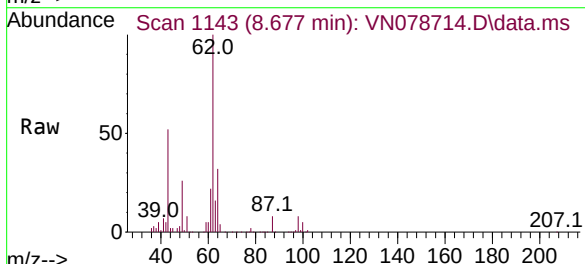
APPROVED

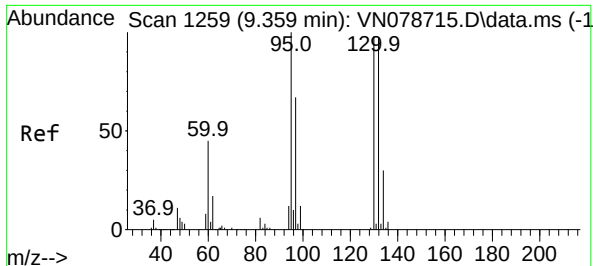
Reviewed By :John Carlone 08/02/2023
Supervised By :Mahesh Dadoda 08/02/2023



#36
1,2-Dichloroethane
Concen: 53.149 ug/l
RT: 8.677 min Scan# 1143
Delta R.T. -0.000 min
Lab File: VN078714.D
Acq: 01 Aug 2023 13:47

Tgt Ion: 62 Resp: 508908
Ion Ratio Lower Upper
62 100
98 8.8 7.4 11.0





#37

Trichloroethene

Concen: 60.475 ug/l

RT: 9.359 min Scan# 11

Delta R.T. -0.000 min

Lab File: VN078714.D

Acq: 01 Aug 2023 13:47

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC050

Tgt Ion:130 Resp: 452158

Ion Ratio Lower Upper

130 100

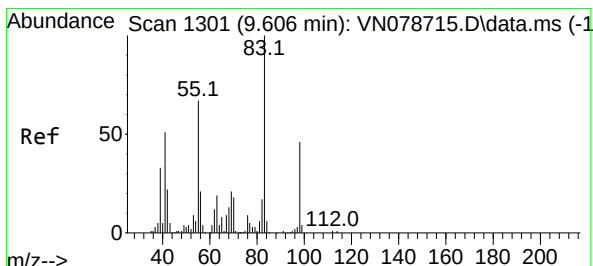
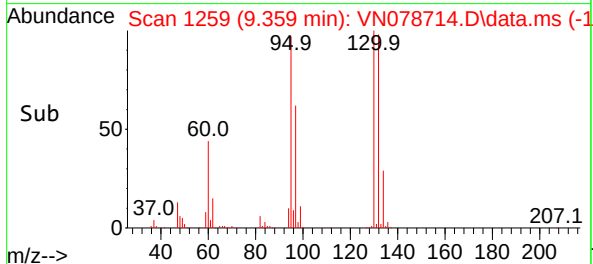
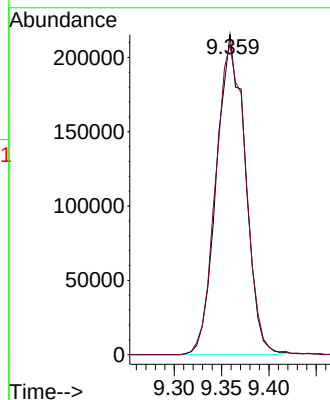
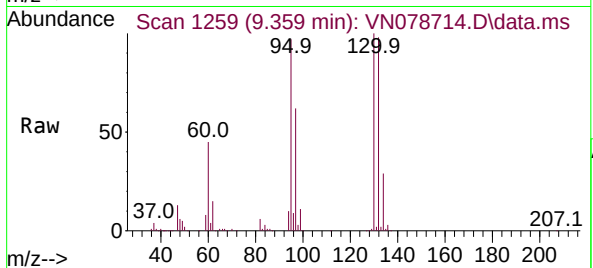
95 96.9 78.2 117.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 08/02/2023

Supervised By :Mahesh Dadoda 08/02/2023



#38

Methylcyclohexane

Concen: 63.114 ug/l

RT: 9.612 min Scan# 1302

Delta R.T. 0.006 min

Lab File: VN078714.D

Acq: 01 Aug 2023 13:47

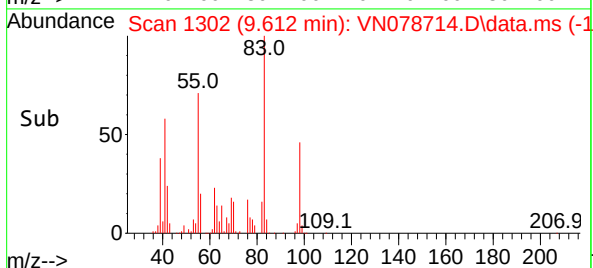
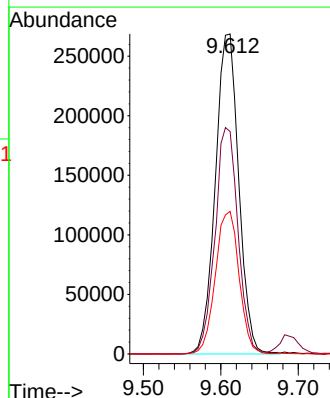
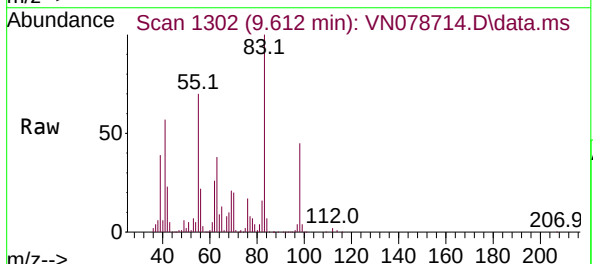
Tgt Ion: 83 Resp: 564115

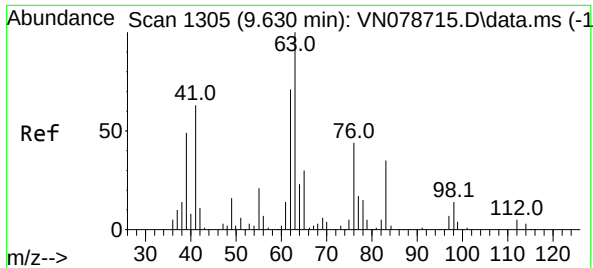
Ion Ratio Lower Upper

83 100

55 69.7 34.0 102.0

98 45.2 23.0 69.0





#39

1,2-Dichloropropane

Concen: 60.045 ug/l

RT: 9.629 min Scan# 1305

Delta R.T. -0.001 min

Lab File: VN078714.D

Acq: 01 Aug 2023 13:47

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC050

Tgt Ion: 63 Resp: 427670

Ion Ratio Lower Upper

63 100

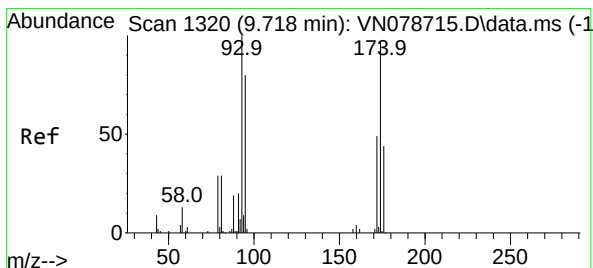
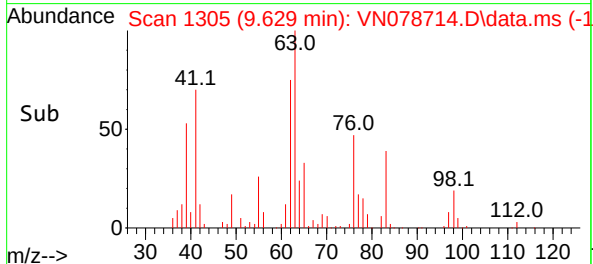
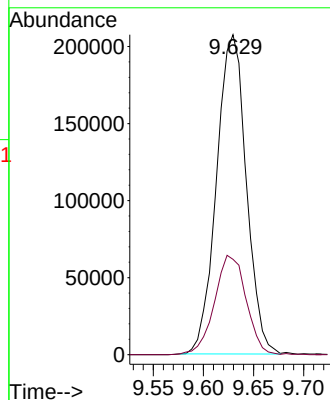
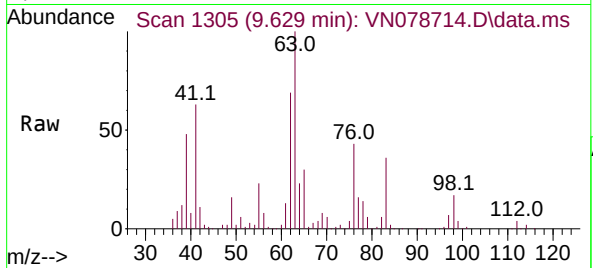
65 29.7 27.4 41.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 08/02/2023

Supervised By :Mahesh Dadoda 08/02/2023



#40

Dibromomethane

Concen: 59.409 ug/l

RT: 9.718 min Scan# 1320

Delta R.T. -0.000 min

Lab File: VN078714.D

Acq: 01 Aug 2023 13:47

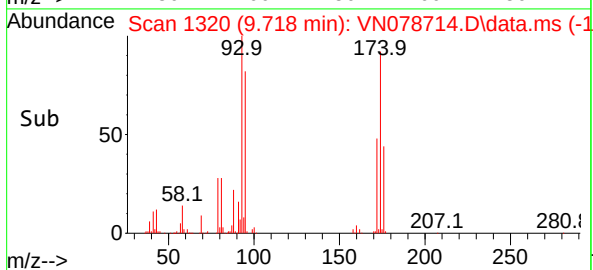
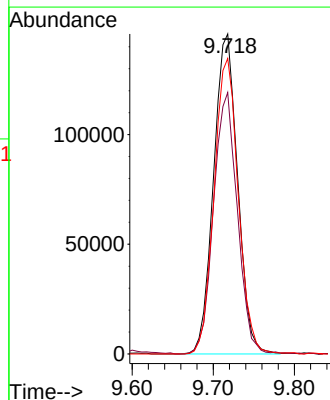
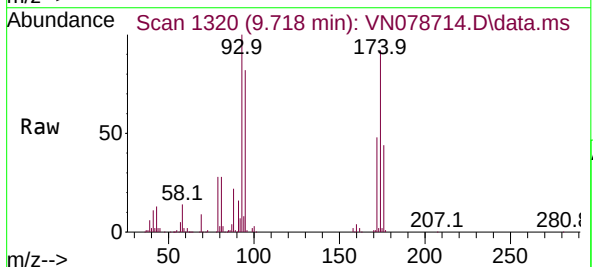
Tgt Ion: 93 Resp: 300048

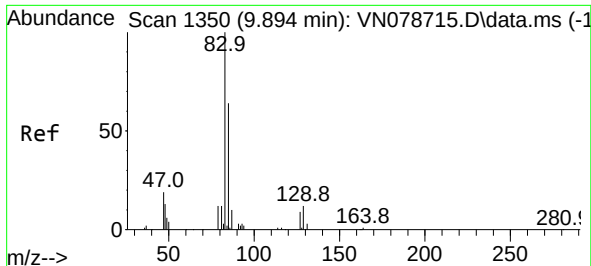
Ion Ratio Lower Upper

93 100

95 80.8 0.0 167.8

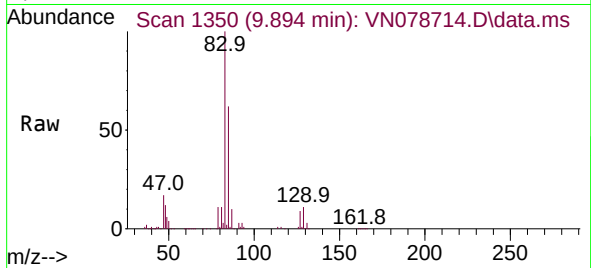
174 93.0 0.0 180.8





#41
Bromodichloromethane
Concen: 58.530 ug/l
RT: 9.894 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN078714.D
Acq: 01 Aug 2023 13:47

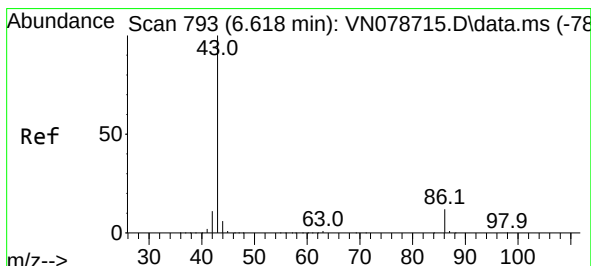
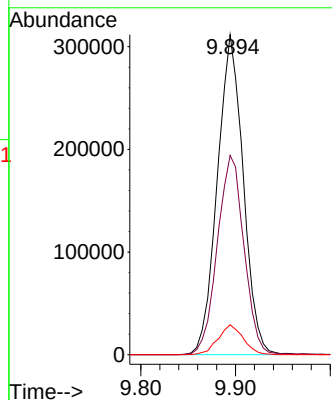
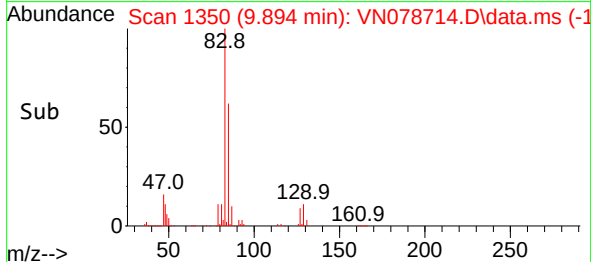
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050



Tgt Ion: 83 Resp: 59159
Ion Ratio Lower Upper
83 100
85 62.2 54.1 81.1
127 9.4 7.8 11.6

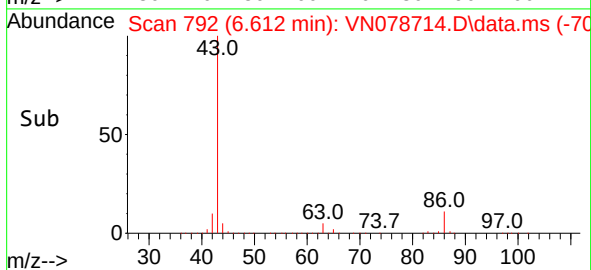
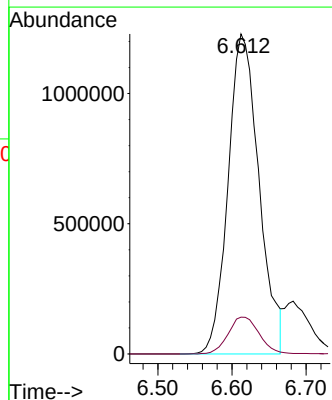
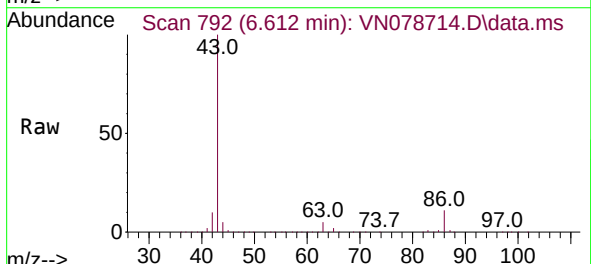
Manual Integrations
APPROVED

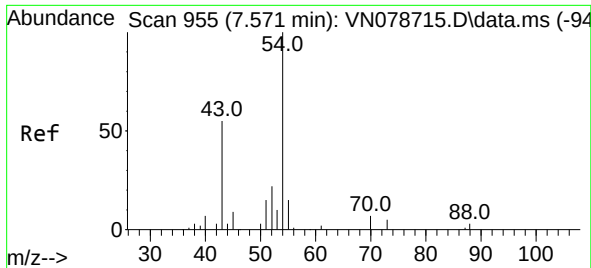
Reviewed By :John Carlone 08/02/2023
Supervised By :Mahesh Dadoda 08/02/2023



#42
Vinyl Acetate
Concen: 300.108 ug/l
RT: 6.612 min Scan# 792
Delta R.T. -0.006 min
Lab File: VN078714.D
Acq: 01 Aug 2023 13:47

Tgt Ion: 43 Resp: 3563643
Ion Ratio Lower Upper
43 100
86 11.5 9.4 14.0





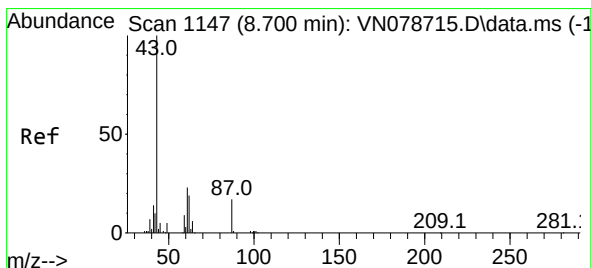
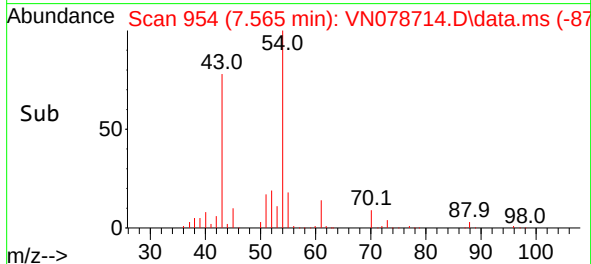
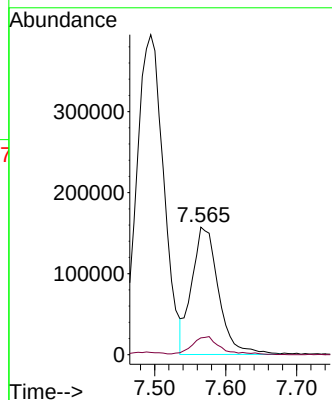
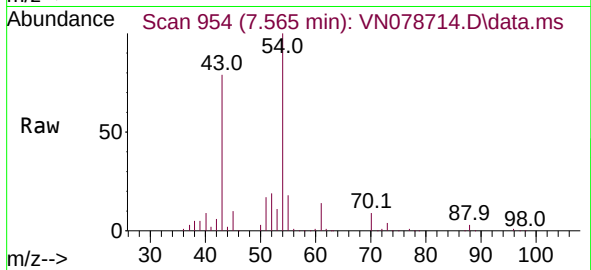
#43
Ethyl Acetate
Concen: 55.100 ug/l
RT: 7.565 min Scan# 91
Delta R.T. -0.006 min
Lab File: VN078714.D
Acq: 01 Aug 2023 13:47

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC050

Tgt Ion: 43 Resp: 41186
Ion Ratio Lower Upper
43 100
45 12.7 10.9 16.3

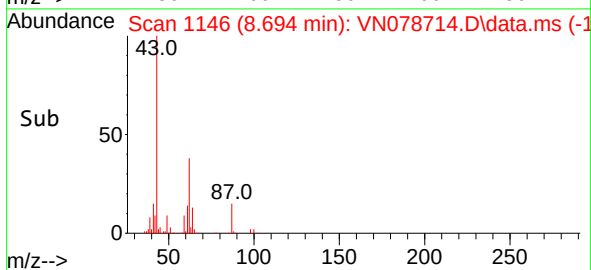
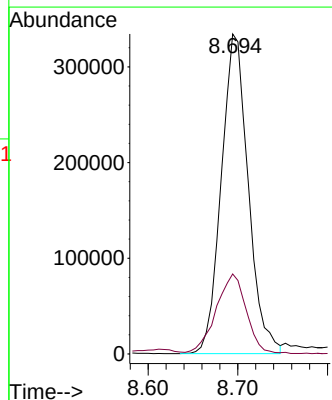
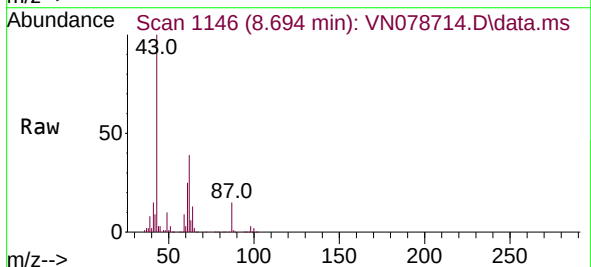
Manual Integrations
APPROVED

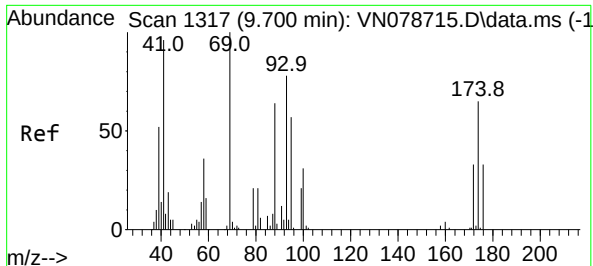
Reviewed By :John Carlone 08/02/2023
Supervised By :Mahesh Dadoda 08/02/2023



#44
Isopropyl Acetate
Concen: 53.247 ug/l
RT: 8.694 min Scan# 1146
Delta R.T. -0.006 min
Lab File: VN078714.D
Acq: 01 Aug 2023 13:47

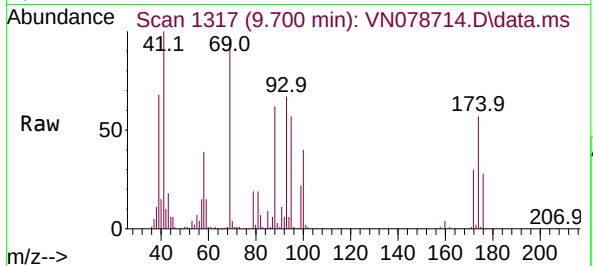
Tgt Ion: 43 Resp: 696417
Ion Ratio Lower Upper
43 100
61 28.2 23.0 34.6





#45
1,4-Dioxane
Concen: 1278.821 ug/l
RT: 9.700 min Scan# 1317
Delta R.T. 0.000 min
Lab File: VN078714.D
Acq: 01 Aug 2023 13:47

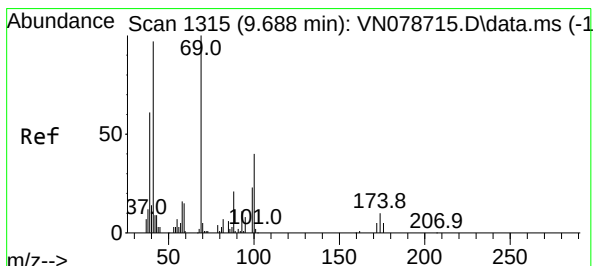
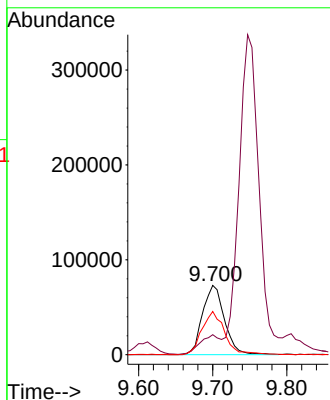
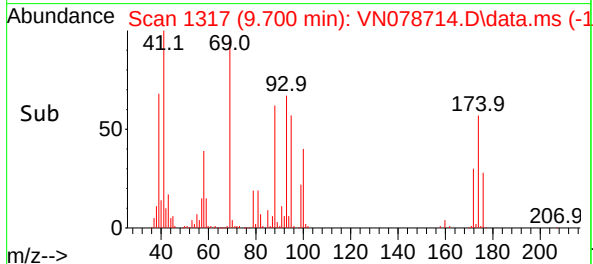
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050



Tgt Ion: 88 Resp: 150164
Ion Ratio Lower Upper
88 100
43 26.3 19.0 28.6
58 61.9 48.2 72.2

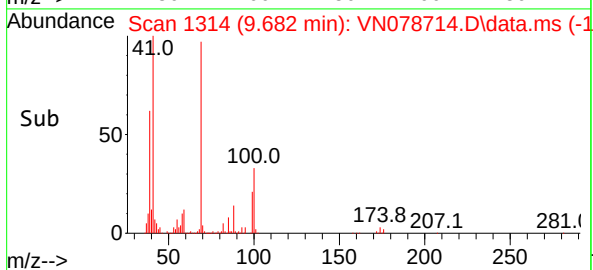
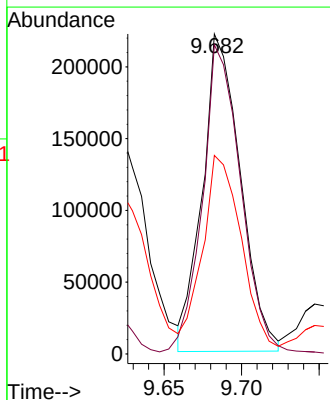
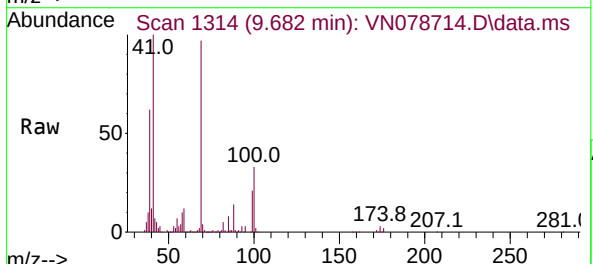
Manual Integrations
APPROVED

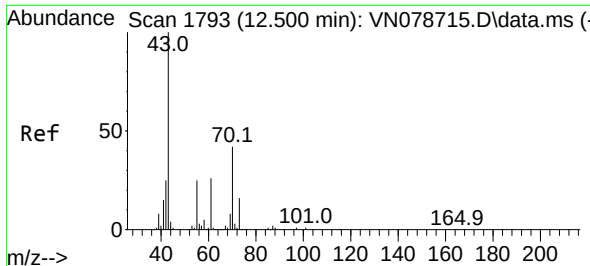
Reviewed By :John Carlone 08/02/2023
Supervised By :Mahesh Dadoda 08/02/2023



#46
Methyl methacrylate
Concen: 64.581 ug/l
RT: 9.682 min Scan# 1314
Delta R.T. -0.006 min
Lab File: VN078714.D
Acq: 01 Aug 2023 13:47

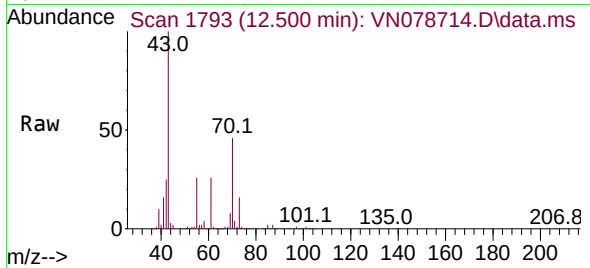
Tgt Ion: 41 Resp: 377111
Ion Ratio Lower Upper
41 100
69 97.9 49.0 147.0
39 62.2 31.6 94.8





#47
n-amy1 Acetate
Concen: 65.238 ug/l
RT: 12.500 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VN078714.D
Acq: 01 Aug 2023 13:47

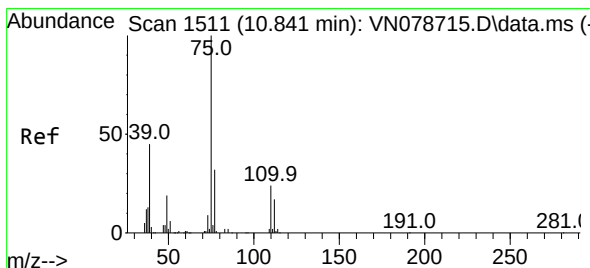
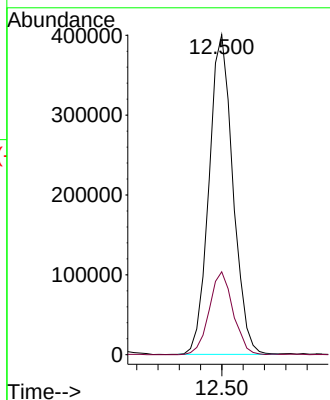
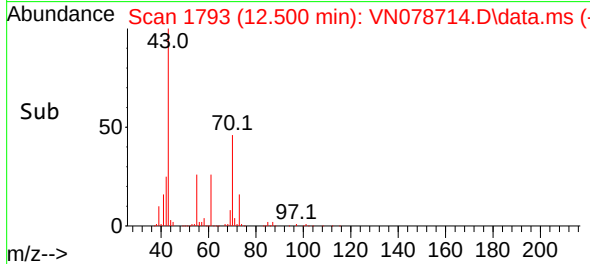
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050



Tgt Ion: 43 Resp: 624189
Ion Ratio Lower Upper
43 100
55 25.8 21.5 32.3

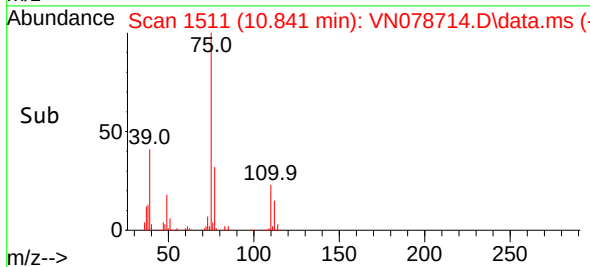
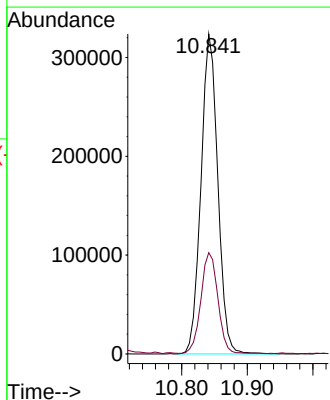
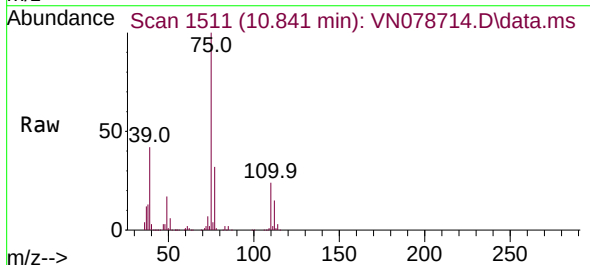
Manual Integrations
APPROVED

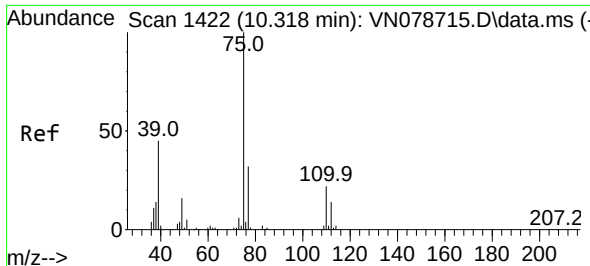
Reviewed By :John Carlone 08/02/2023
Supervised By :Mahesh Dadoda 08/02/2023



#48
t-1,3-Dichloropropene
Concen: 53.872 ug/l
RT: 10.841 min Scan# 1511
Delta R.T. 0.000 min
Lab File: VN078714.D
Acq: 01 Aug 2023 13:47

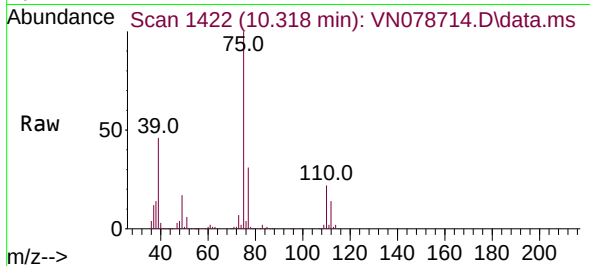
Tgt Ion: 75 Resp: 578320
Ion Ratio Lower Upper
75 100
77 31.5 26.1 39.1





#49
 cis-1,3-Dichloropropene
 Concen: 55.082 ug/l
 RT: 10.318 min Scan# 1422
 Delta R.T. -0.000 min
 Lab File: VN078714.D
 Acq: 01 Aug 2023 13:47

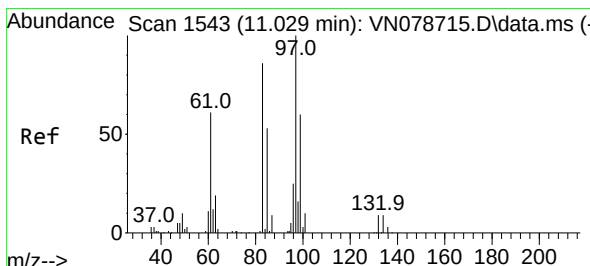
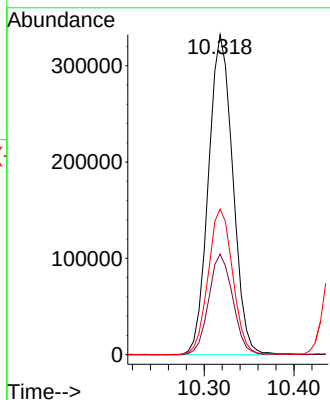
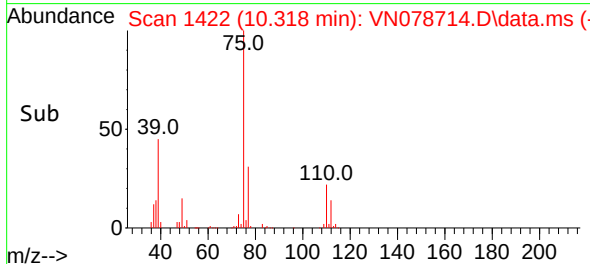
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC050



Tgt Ion: 75 Resp: 62654
 Ion Ratio Lower Upper
 75 100
 77 31.5 24.0 36.0
 39 45.4 35.1 52.7

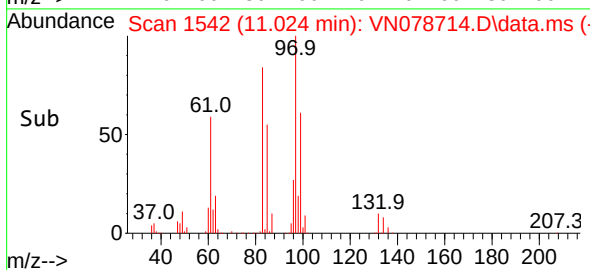
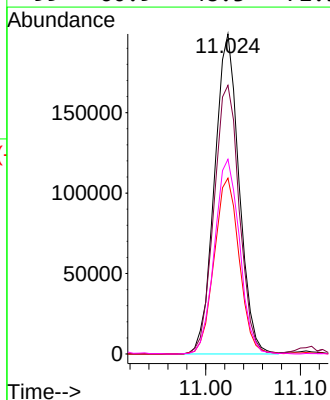
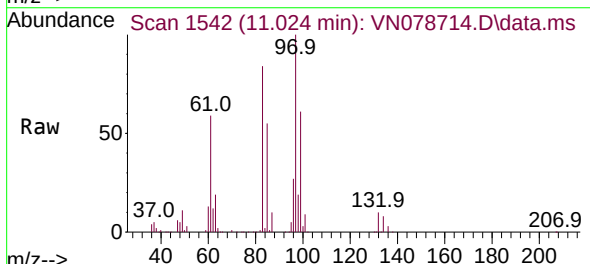
Manual Integrations
 APPROVED

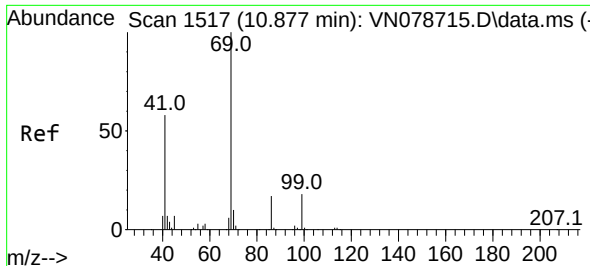
Reviewed By :John Carlone 08/02/2023
 Supervised By :Mahesh Dadoda 08/02/2023



#50
 1,1,2-Trichloroethane
 Concen: 49.428 ug/l
 RT: 11.024 min Scan# 1542
 Delta R.T. -0.005 min
 Lab File: VN078714.D
 Acq: 01 Aug 2023 13:47

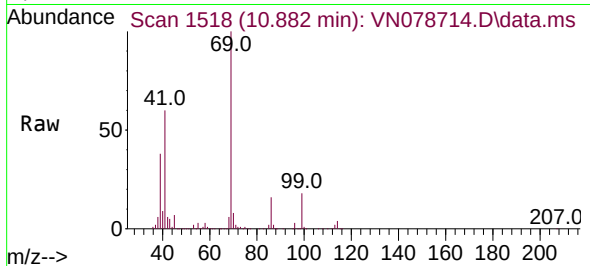
Tgt Ion: 97 Resp: 358935
 Ion Ratio Lower Upper
 97 100
 83 84.0 66.8 100.2
 85 54.9 42.5 63.7
 99 60.9 48.3 72.5





#51
Ethyl methacrylate
Concen: 56.847 ug/l
RT: 10.882 min Scan# 1518
Delta R.T. 0.005 min
Lab File: VN078714.D
Acq: 01 Aug 2023 13:47

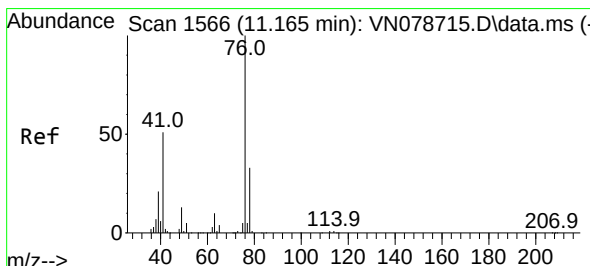
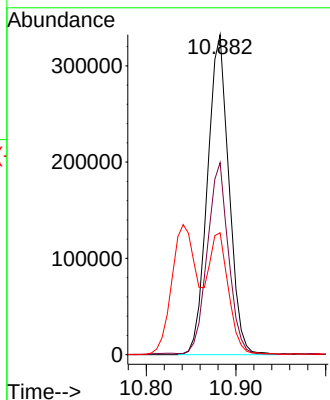
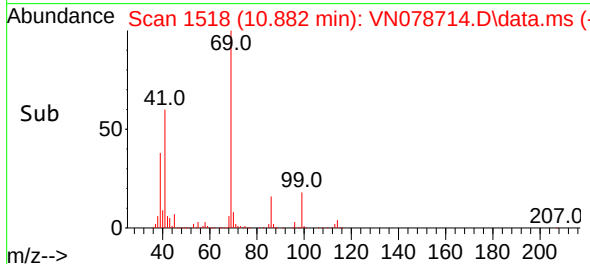
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050



Tgt Ion: 69 Resp: 551980
Ion Ratio Lower Upper
69 100
41 59.8 26.0 78.0
39 37.9 16.3 48.9

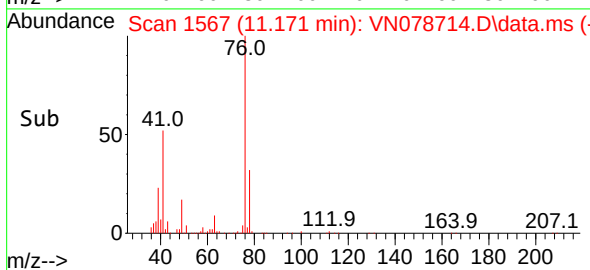
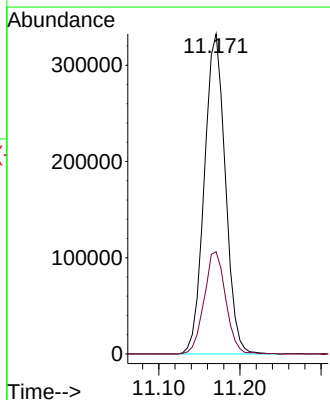
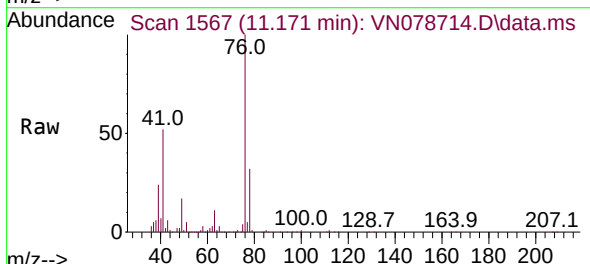
Manual Integrations
APPROVED

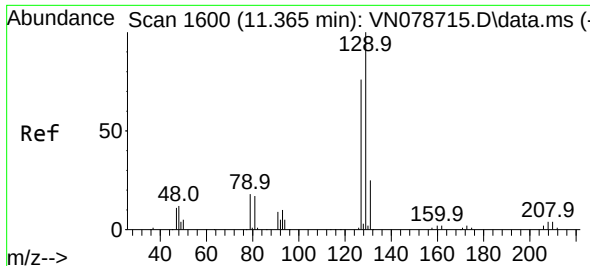
Reviewed By :John Carlone 08/02/2023
Supervised By :Mahesh Dadoda 08/02/2023



#52
1,3-Dichloropropane
Concen: 45.280 ug/l
RT: 11.171 min Scan# 1567
Delta R.T. 0.006 min
Lab File: VN078714.D
Acq: 01 Aug 2023 13:47

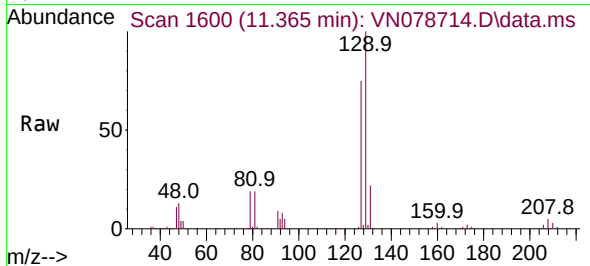
Tgt Ion: 76 Resp: 597282
Ion Ratio Lower Upper
76 100
78 32.6 0.0 66.2





#53
Dibromochloromethane
Concen: 52.763 ug/l
RT: 11.365 min Scan# 1600
Delta R.T. -0.000 min
Lab File: VN078714.D
Acq: 01 Aug 2023 13:47

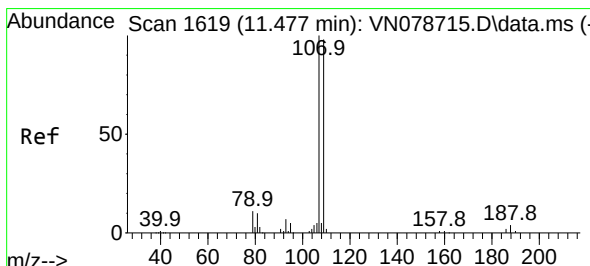
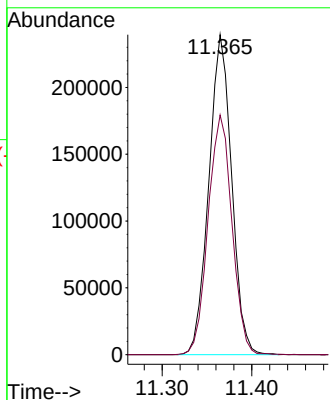
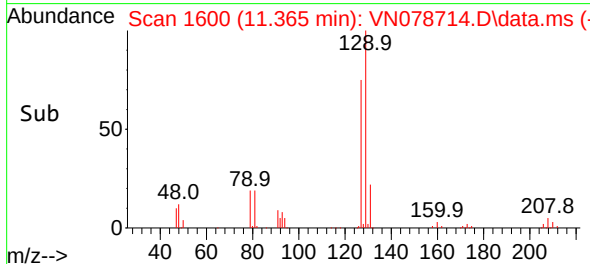
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050



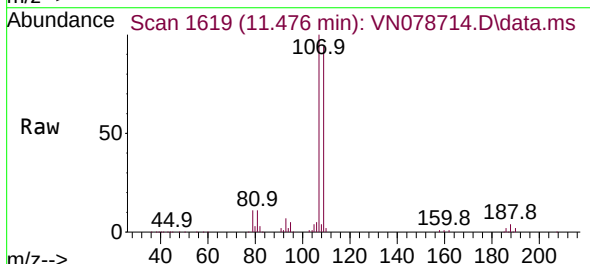
Tgt Ion:129 Resp: 42362
Ion Ratio Lower Upper
129 100
127 78.0 39.4 118.1

Manual Integrations
APPROVED

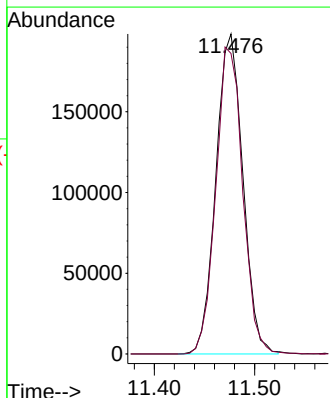
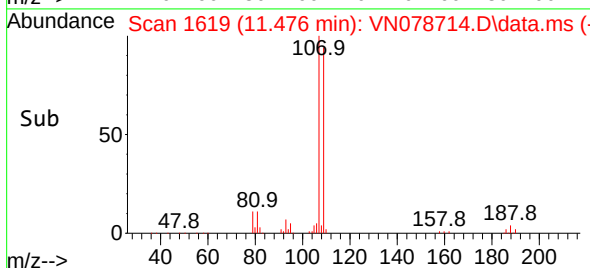
Reviewed By :John Carlone 08/02/2023
Supervised By :Mahesh Dadoda 08/02/2023

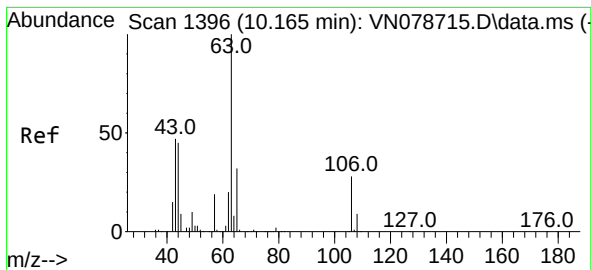


#54
1,2-Dibromoethane
Concen: 51.592 ug/l
RT: 11.476 min Scan# 1619
Delta R.T. -0.001 min
Lab File: VN078714.D
Acq: 01 Aug 2023 13:47



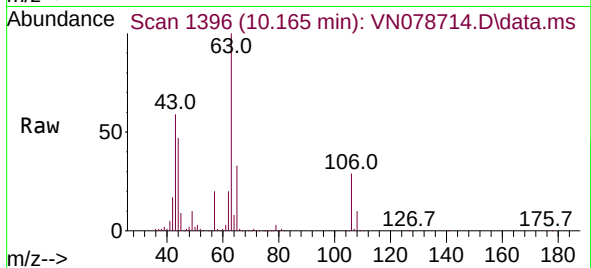
Tgt Ion:107 Resp: 369880
Ion Ratio Lower Upper
107 100
109 95.6 74.6 112.0





#55
2-Chloroethyl vinyl ether
Concen: 287.501 ug/l
RT: 10.165 min Scan# 1396
Delta R.T. -0.000 min
Lab File: VN078714.D
Acq: 01 Aug 2023 13:47

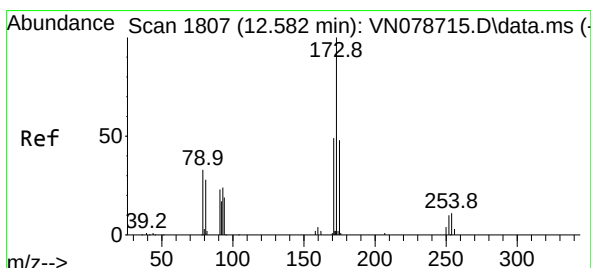
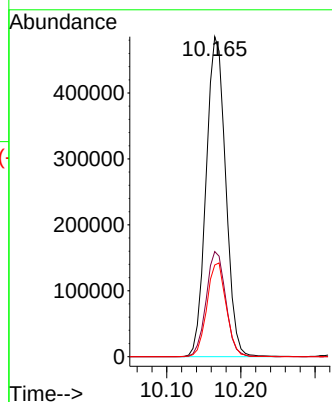
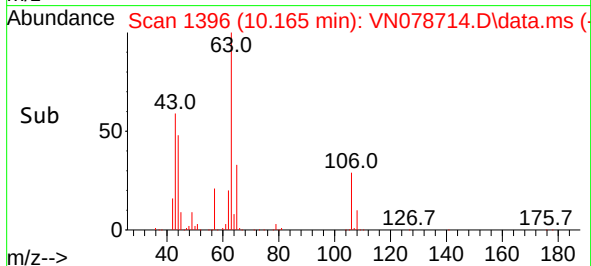
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050



Tgt Ion: 63 Resp: 88965
Ion Ratio Lower Upper
63 100
65 32.8 26.3 39.5
106 28.9 23.8 35.6

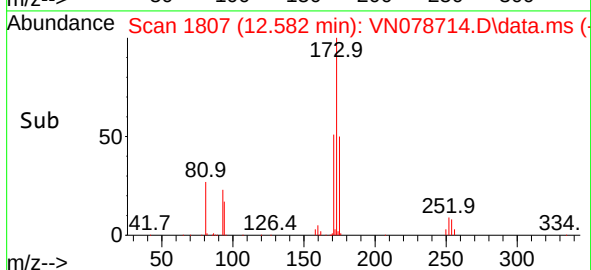
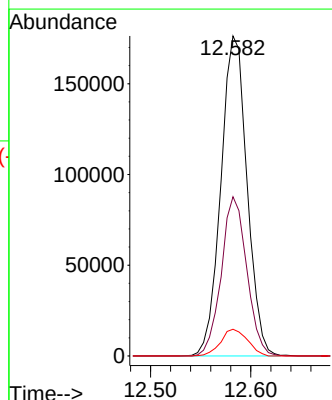
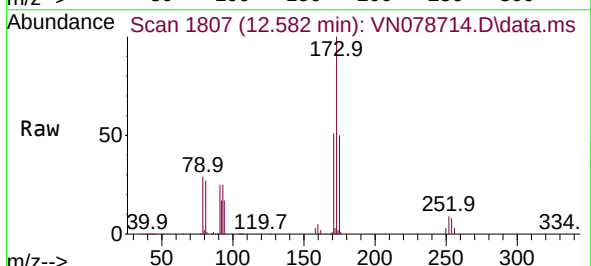
Manual Integrations
APPROVED

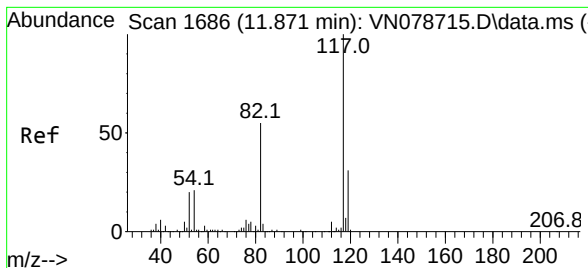
Reviewed By :John Carlone 08/02/2023
Supervised By :Mahesh Dadoda 08/02/2023



#56
Bromoform
Concen: 63.240 ug/l
RT: 12.582 min Scan# 1807
Delta R.T. 0.000 min
Lab File: VN078714.D
Acq: 01 Aug 2023 13:47

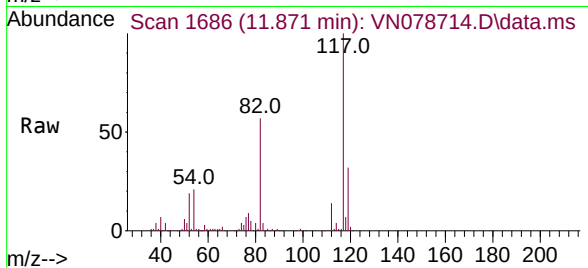
Tgt Ion:173 Resp: 319597
Ion Ratio Lower Upper
173 100
175 48.4 40.7 61.1
254 8.6 6.5 9.7





#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.871 min Scan# 1686
Delta R.T. -0.000 min
Lab File: VN078714.D
Acq: 01 Aug 2023 13:47

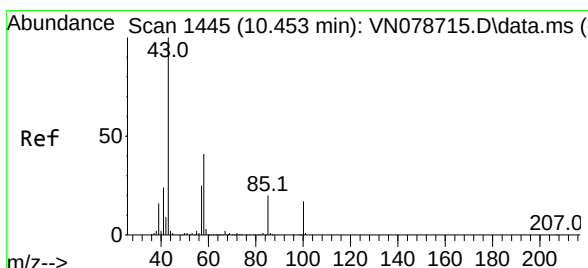
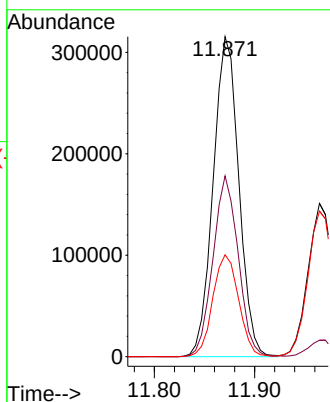
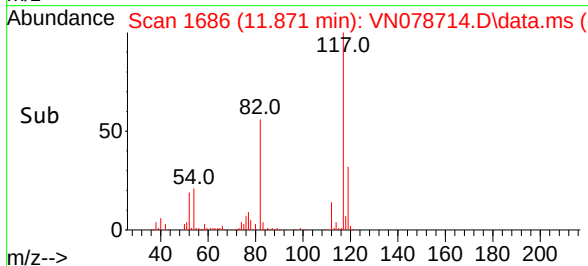
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050



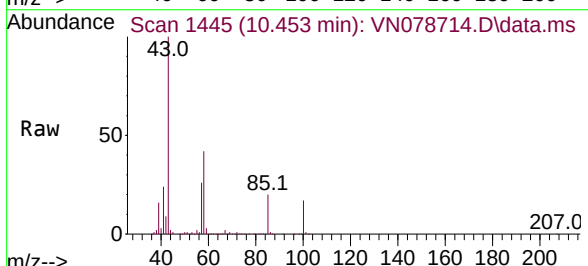
Tgt Ion: 117 Resp: 56061
Ion Ratio Lower Upper
117 100
82 55.6 43.9 65.9
119 32.1 26.2 39.4

Manual Integrations
APPROVED

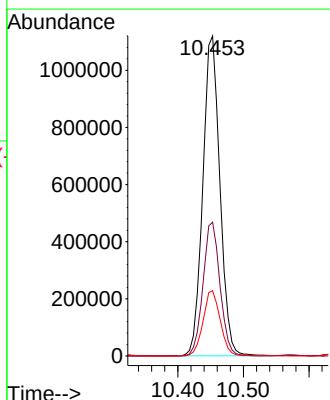
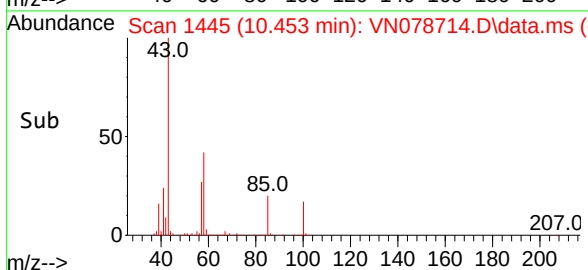
Reviewed By :John Carlone 08/02/2023
Supervised By :Mahesh Dadoda 08/02/2023

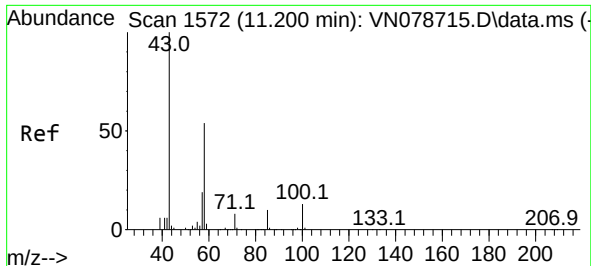


#58
4-Methyl-2-Pentanone
Concen: 282.705 ug/l
RT: 10.453 min Scan# 1445
Delta R.T. -0.000 min
Lab File: VN078714.D
Acq: 01 Aug 2023 13:47



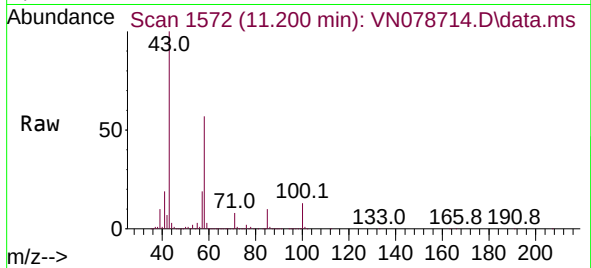
Tgt Ion: 43 Resp: 2033154
Ion Ratio Lower Upper
43 100
58 41.7 32.6 48.8
85 20.5 16.2 24.2





#59
2-Hexanone
Concen: 272.569 ug/l
RT: 11.200 min Scan# 1572
Delta R.T. -0.000 min
Lab File: VN078714.D
Acq: 01 Aug 2023 13:47

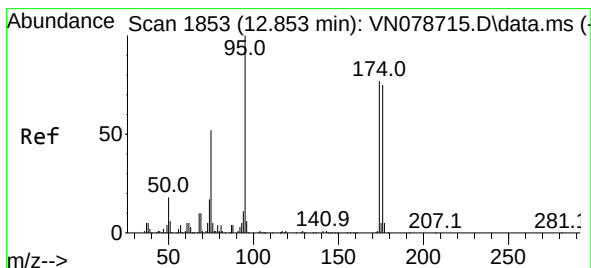
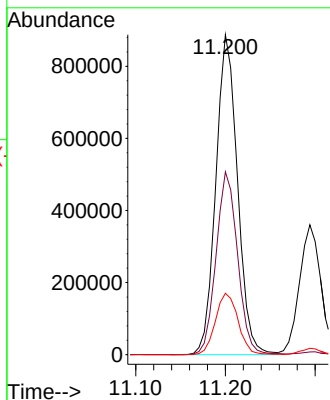
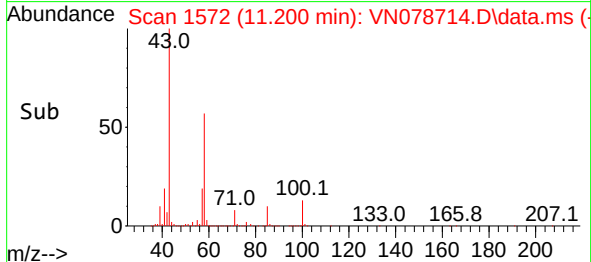
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050



Tgt Ion: 43 Resp: 148795
Ion Ratio Lower Upper
43 100
58 56.9 45.9 68.9
57 20.1 15.8 23.6

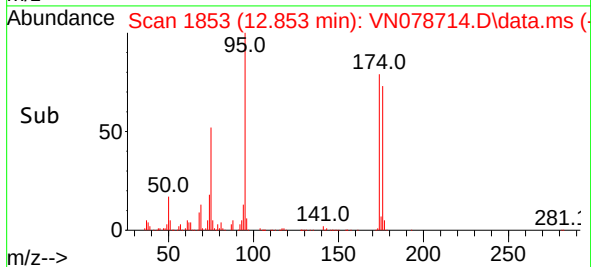
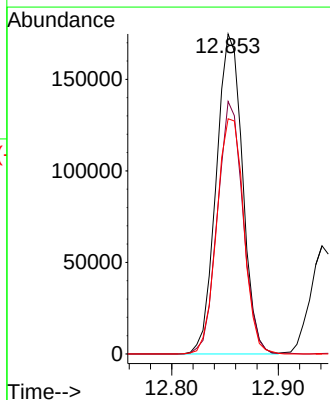
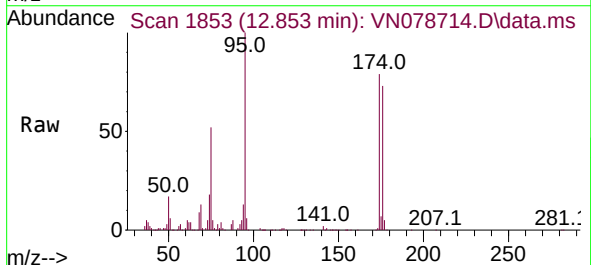
Manual Integrations
APPROVED

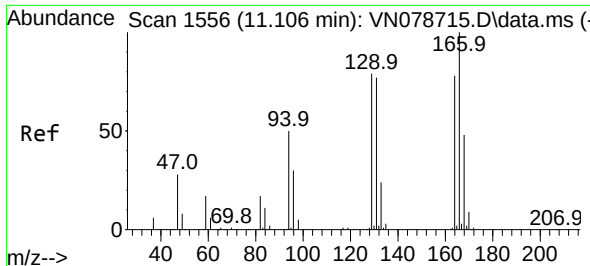
Reviewed By :John Carlone 08/02/2023
Supervised By :Mahesh Dadoda 08/02/2023



#60
4-Bromofluorobenzene
Concen: 37.049 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.000 min
Lab File: VN078714.D
Acq: 01 Aug 2023 13:47

Tgt Ion: 95 Resp: 299250
Ion Ratio Lower Upper
95 100
174 76.7 61.7 92.5
176 75.5 58.1 87.1





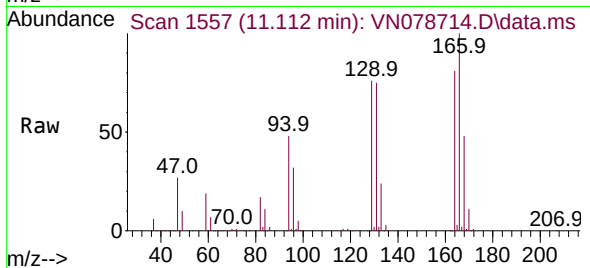
#61
Tetrachloroethene
Concen: 50.810 ug/l
RT: 11.112 min Scan# 1557
Delta R.T. 0.006 min
Lab File: VN078714.D
Acq: 01 Aug 2023 13:47

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC050



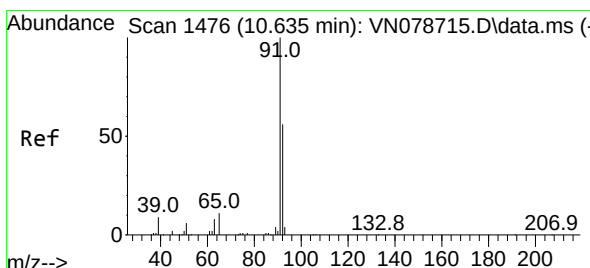
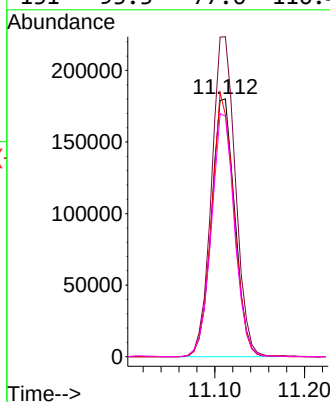
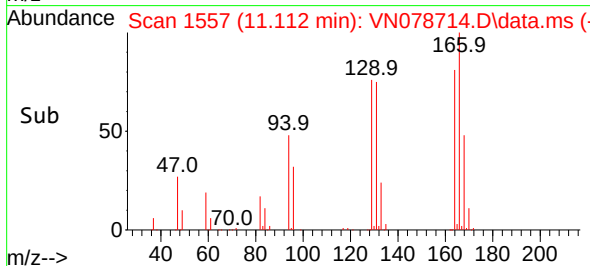
Tgt Ion:164 Resp: 325689
Ion Ratio Lower Upper
164 100
166 124.1 99.1 148.7
129 93.8 85.6 128.4
131 93.3 77.6 116.4

Manual Integrations

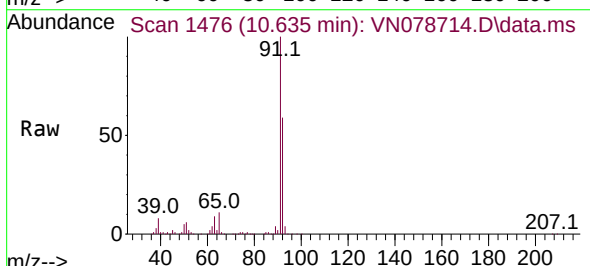
APPROVED

Reviewed By :John Carlone 08/02/2023

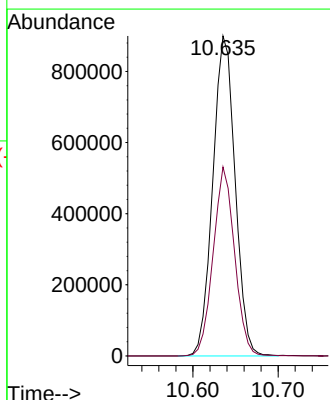
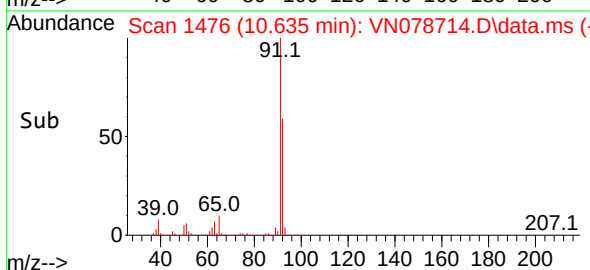
Supervised By :Mahesh Dadoda 08/02/2023

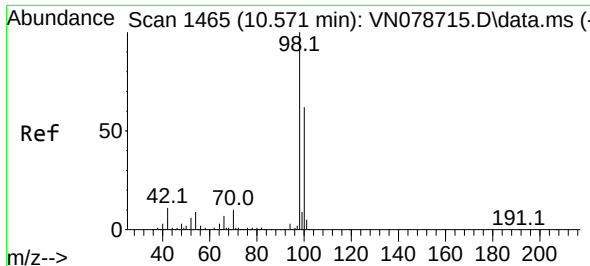


#62
Toluene
Concen: 57.014 ug/l
RT: 10.635 min Scan# 1476
Delta R.T. 0.000 min
Lab File: VN078714.D
Acq: 01 Aug 2023 13:47



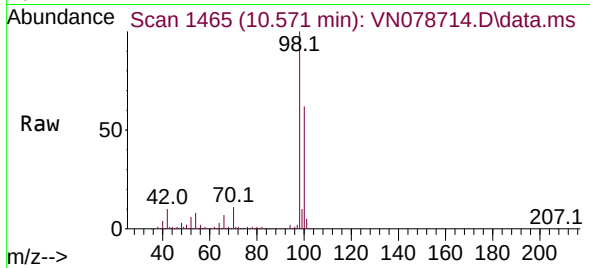
Tgt Ion: 91 Resp: 1640512
Ion Ratio Lower Upper
91 100
92 56.8 45.2 67.8





#63
Toluene-d8
Concen: 29.591 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. -0.000 min
Lab File: VN078714.D
Acq: 01 Aug 2023 13:47

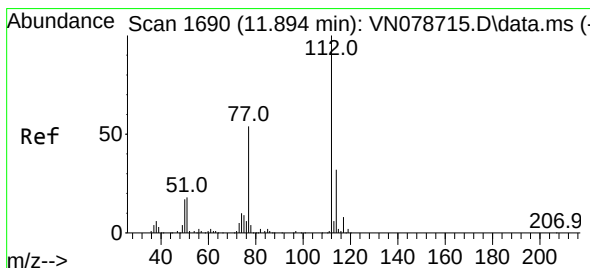
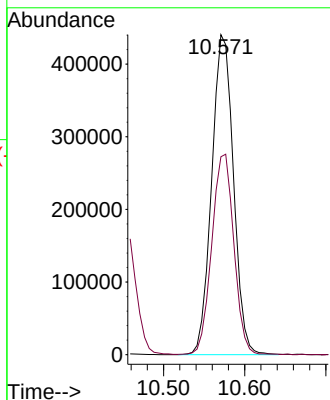
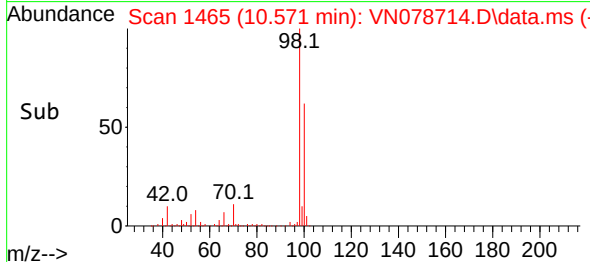
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC050



Tgt Ion: 98 Resp: 82156
Ion Ratio Lower Upper
98 100
100 63.2 49.7 74.5

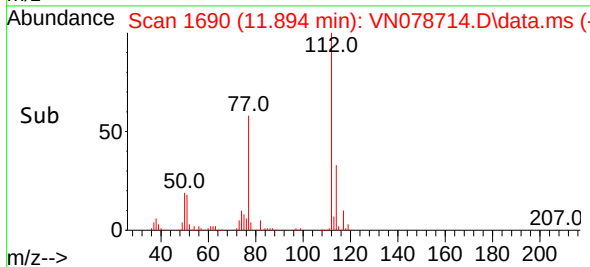
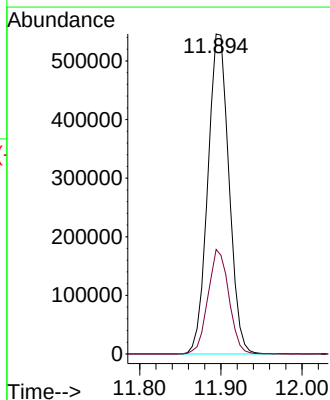
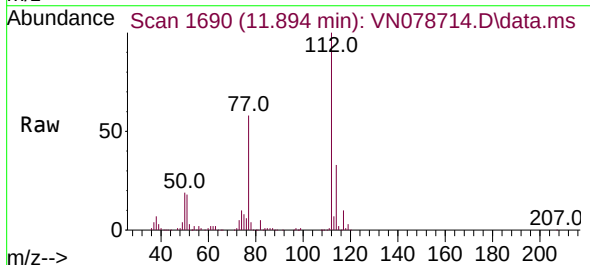
Manual Integrations
APPROVED

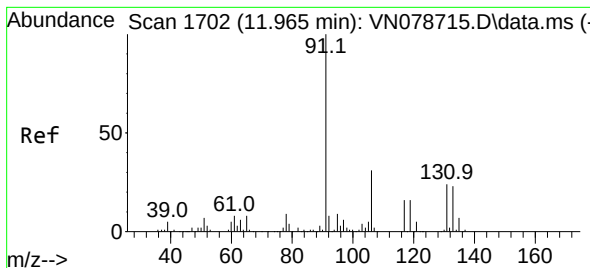
Reviewed By :John Carlone 08/02/2023
Supervised By :Mahesh Dadoda 08/02/2023



#64
Chlorobenzene
Concen: 59.335 ug/l
RT: 11.894 min Scan# 1690
Delta R.T. 0.000 min
Lab File: VN078714.D
Acq: 01 Aug 2023 13:47

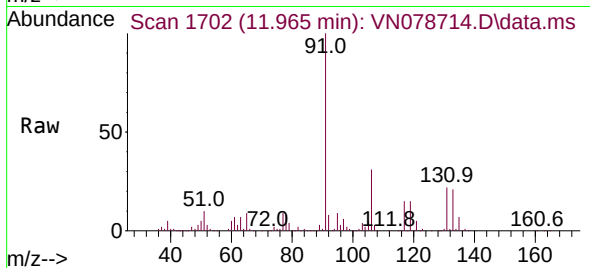
Tgt Ion:112 Resp: 987017
Ion Ratio Lower Upper
112 100
114 32.6 25.9 38.9





#65
1,1,1,2-Tetrachloroethane
Concen: 59.119 ug/l
RT: 11.965 min Scan# 1702
Delta R.T. -0.000 min
Lab File: VN078714.D
Acq: 01 Aug 2023 13:47

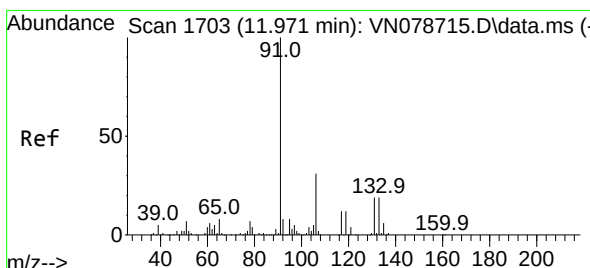
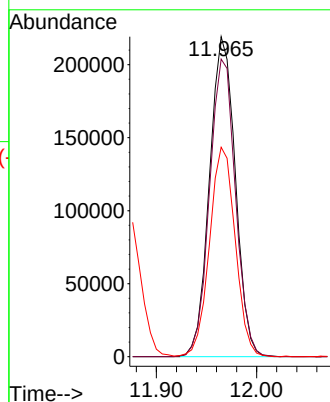
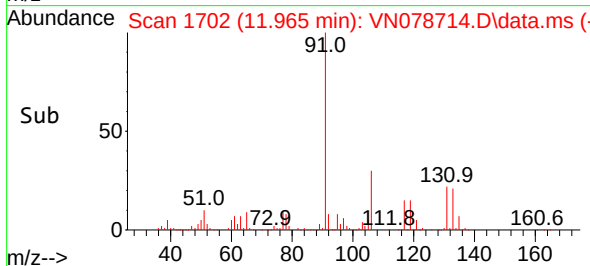
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050



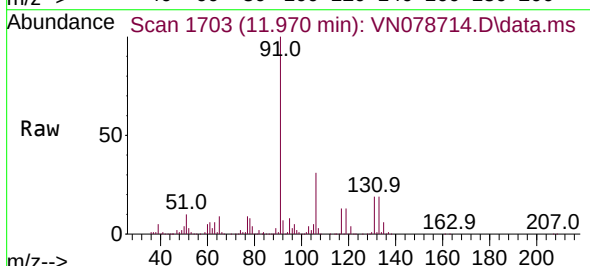
Tgt Ion:131 Resp: 39045
Ion Ratio Lower Upper
131 100
133 93.6 0.0 191.8
119 65.3 0.0 132.0

Manual Integrations
APPROVED

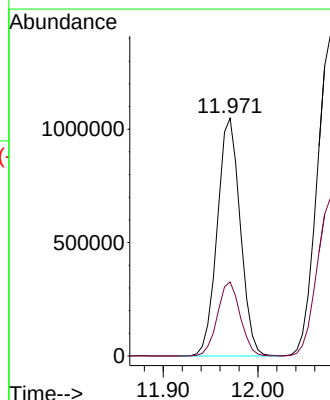
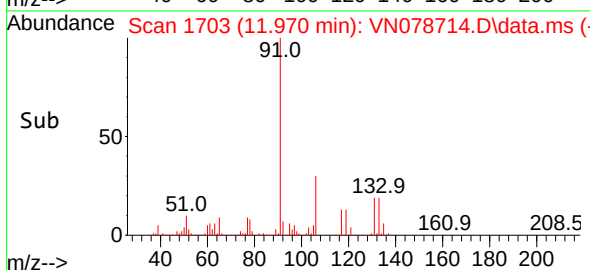
Reviewed By :John Carlone 08/02/2023
Supervised By :Mahesh Dadoda 08/02/2023

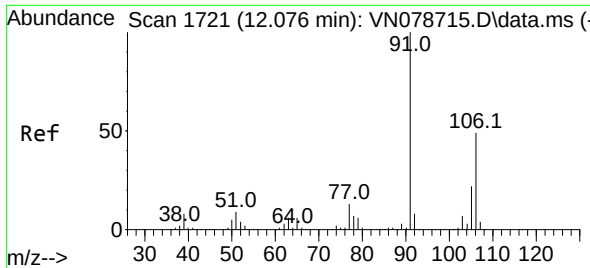


#66
Ethyl Benzene
Concen: 62.093 ug/l
RT: 11.970 min Scan# 1703
Delta R.T. -0.001 min
Lab File: VN078714.D
Acq: 01 Aug 2023 13:47



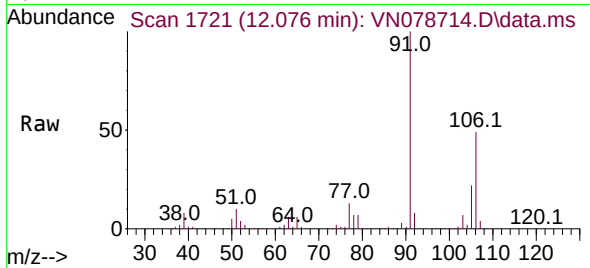
Tgt Ion: 91 Resp: 1766193
Ion Ratio Lower Upper
91 100
106 31.2 25.6 38.4





#67
m/p-Xylenes
Concen: 126.136 ug/l
RT: 12.076 min Scan# 1721
Delta R.T. 0.000 min
Lab File: VN078714.D
Acq: 01 Aug 2023 13:47

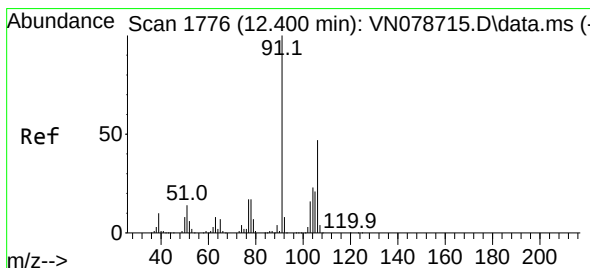
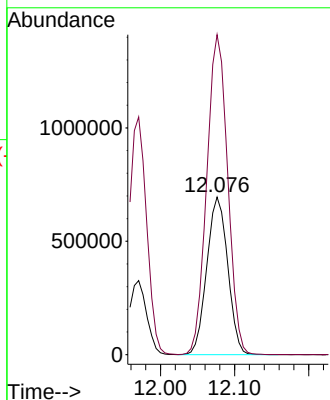
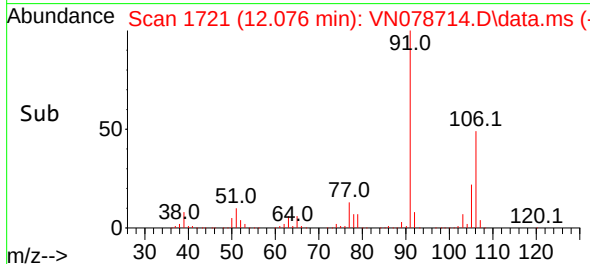
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC050



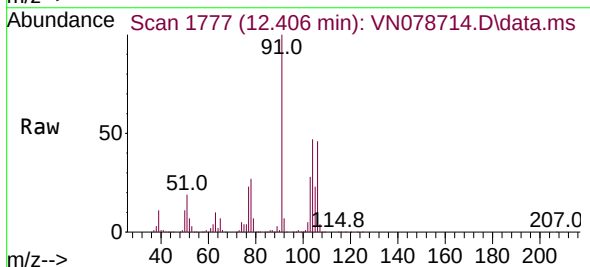
Tgt Ion:106 Resp: 1365510
Ion Ratio Lower Upper
106 100
91 202.6 162.5 243.7

Manual Integrations
APPROVED

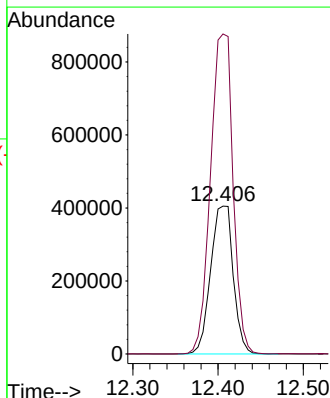
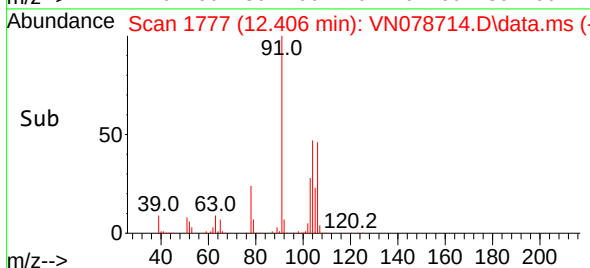
Reviewed By :John Carlone 08/02/2023
Supervised By :Mahesh Dadoda 08/02/2023

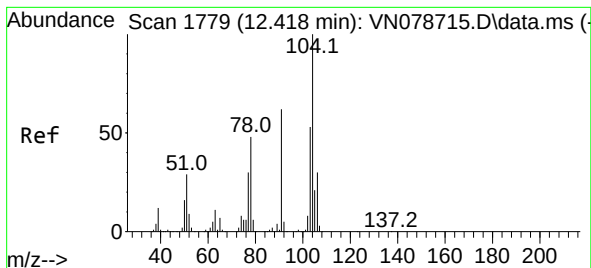


#68
o-Xylene
Concen: 68.901 ug/l
RT: 12.406 min Scan# 1777
Delta R.T. 0.006 min
Lab File: VN078714.D
Acq: 01 Aug 2023 13:47



Tgt Ion:106 Resp: 745434
Ion Ratio Lower Upper
106 100
91 216.2 106.1 318.3





#69

Styrene

Concen: 74.946 ug/l

RT: 12.412 min Scan# 11

Delta R.T. -0.006 min

Lab File: VN078714.D

Acq: 01 Aug 2023 13:47

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC050

Tgt Ion:104 Resp: 1262344

Ion Ratio Lower Upper

104 100

78 50.6 40.1 60.1

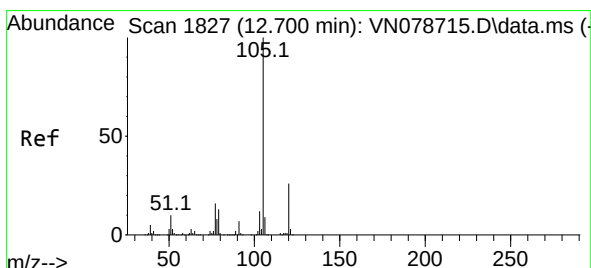
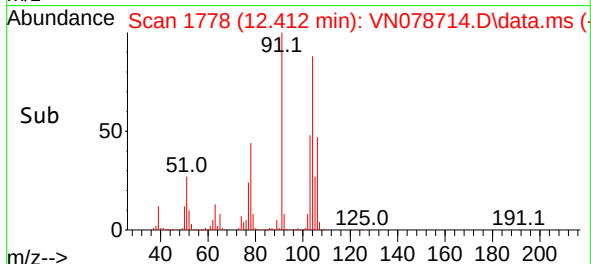
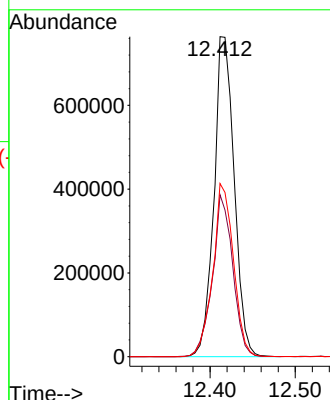
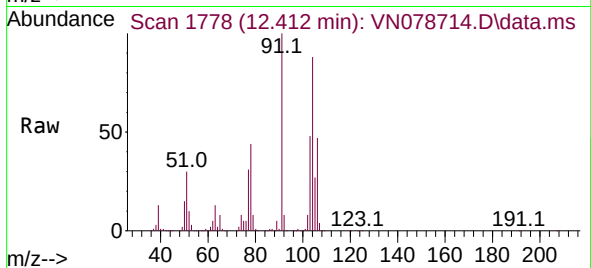
103 55.2 45.1 67.7

Manual Integrations

APPROVED

Reviewed By :John Carlone 08/02/2023

Supervised By :Mahesh Dadoda 08/02/2023



#70

Isopropylbenzene

Concen: 70.297 ug/l

RT: 12.700 min Scan# 1827

Delta R.T. -0.000 min

Lab File: VN078714.D

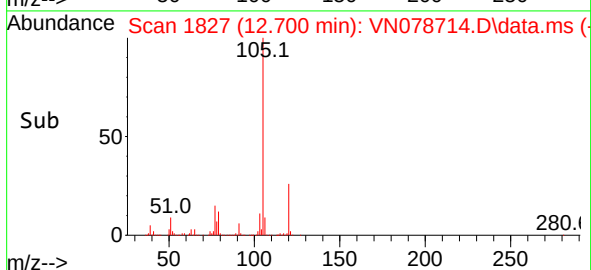
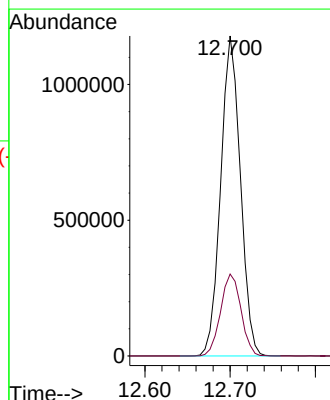
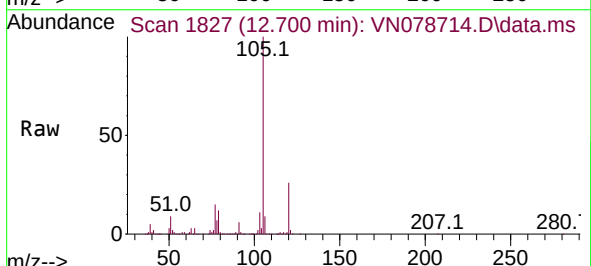
Acq: 01 Aug 2023 13:47

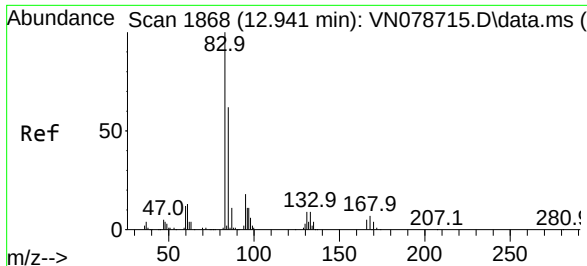
Tgt Ion:105 Resp: 1890852

Ion Ratio Lower Upper

105 100

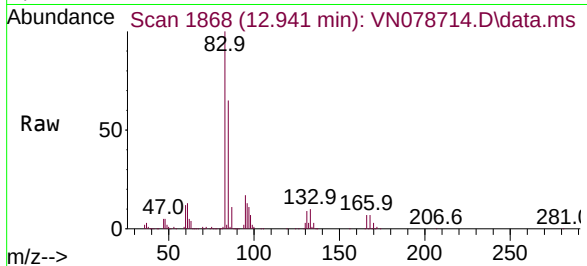
120 26.5 18.3 34.1





#71
1,1,2,2-Tetrachloroethane
Concen: 64.672 ug/l
RT: 12.941 min Scan# 1868
Delta R.T. 0.000 min
Lab File: VN078714.D
Acq: 01 Aug 2023 13:47

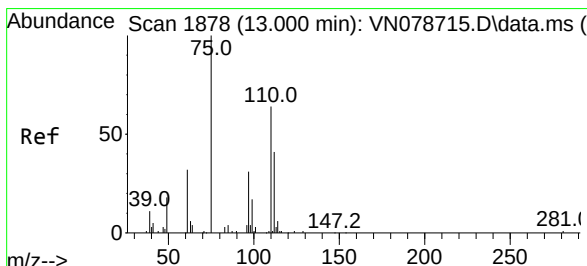
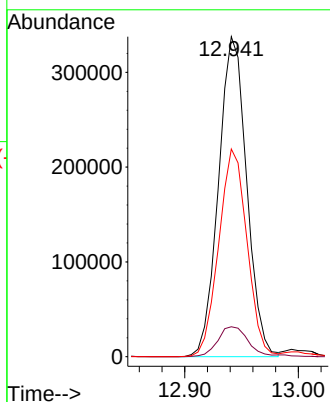
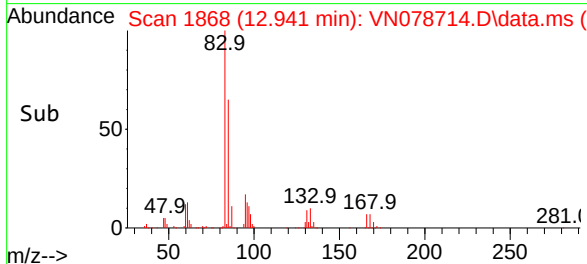
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050



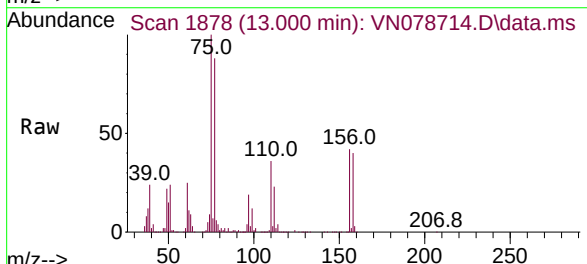
Tgt Ion: 83 Resp: 58224
Ion Ratio Lower Upper
83 100
131 10.0 4.8 14.4
85 65.0 32.6 98.0

Manual Integrations
APPROVED

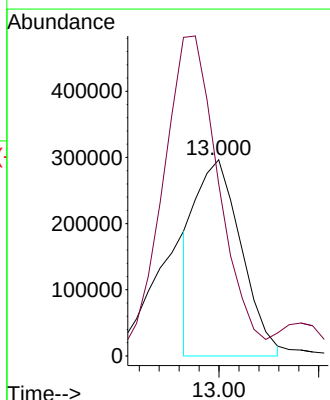
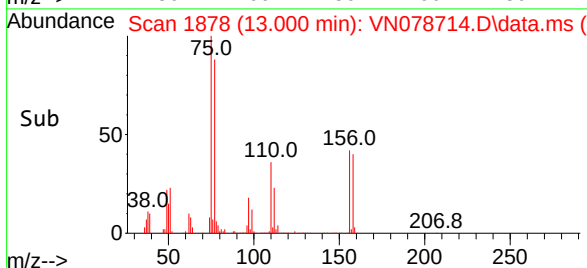
Reviewed By :John Carlone 08/02/2023
Supervised By :Mahesh Dadoda 08/02/2023

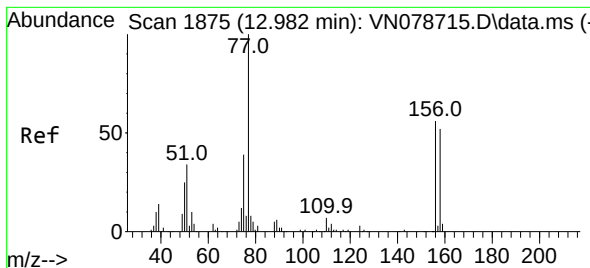


#72
1,2,3-Trichloropropane
Concen: 55.476 ug/l m
RT: 13.000 min Scan# 1878
Delta R.T. -0.000 min
Lab File: VN078714.D
Acq: 01 Aug 2023 13:47



Tgt Ion: 75 Resp: 473381
Ion Ratio Lower Upper
75 100
77 201.7 0.0 387.4





#73

Bromobenzene

Concen: 68.028 ug/l

RT: 12.982 min Scan# 1875

Delta R.T. 0.000 min

Lab File: VN078714.D

Acq: 01 Aug 2023 13:47

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC050

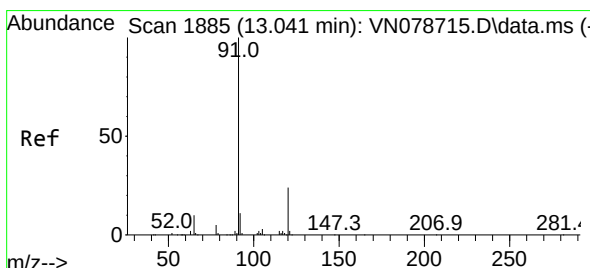
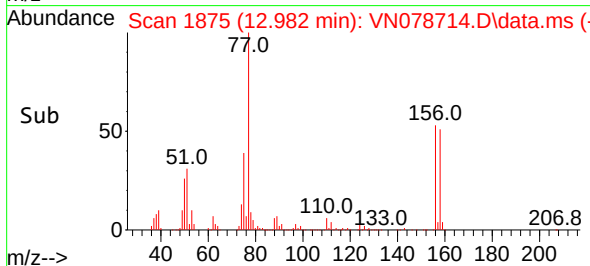
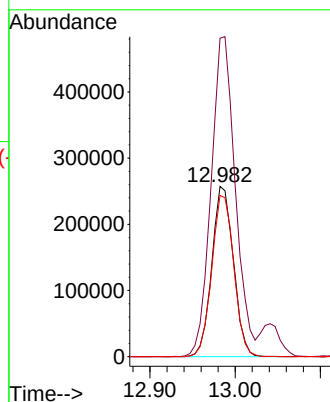
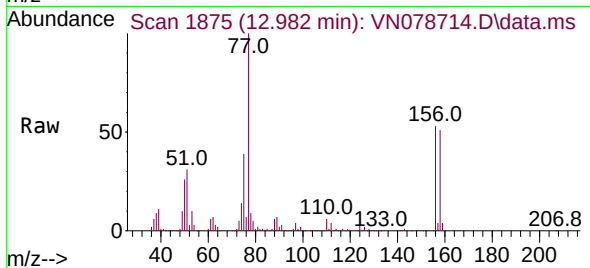
Tgt Ion:	156	Resp:	452662
Ion Ratio	Lower	Upper	
156	100		
77	210.9	0.0	420.8
158	96.4	0.0	193.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 08/02/2023

Supervised By :Mahesh Dadoda 08/02/2023



#74

n-propylbenzene

Concen: 71.874 ug/l

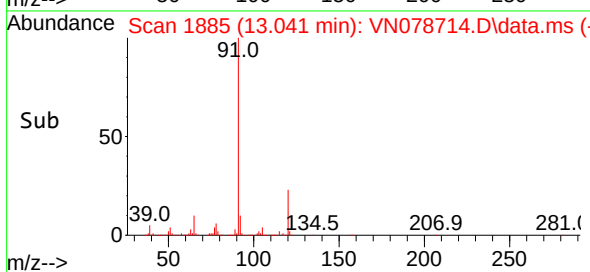
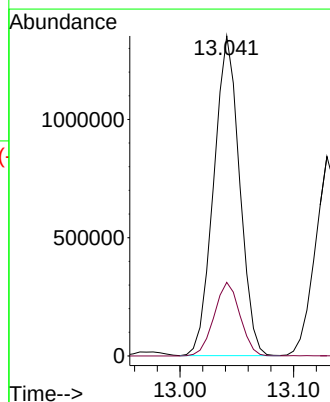
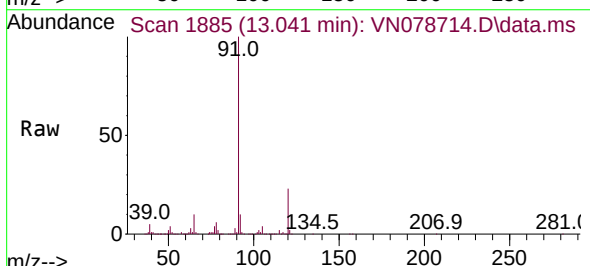
RT: 13.041 min Scan# 1885

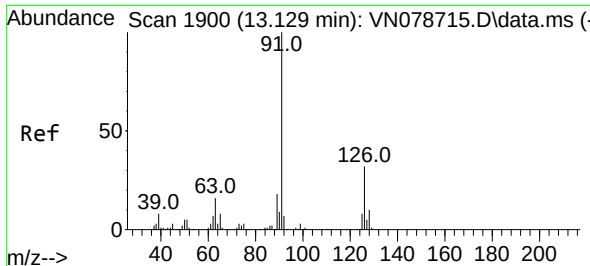
Delta R.T. 0.000 min

Lab File: VN078714.D

Acq: 01 Aug 2023 13:47

Tgt Ion:	91	Resp:	2138608
Ion Ratio	Lower	Upper	
91	100		
120	23.0	0.0	44.6





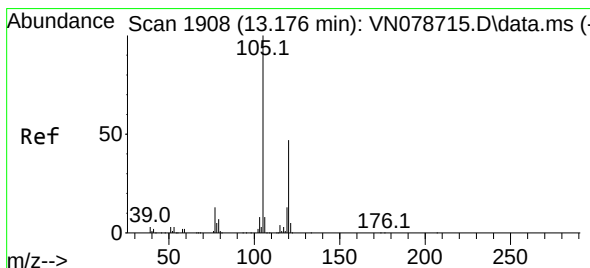
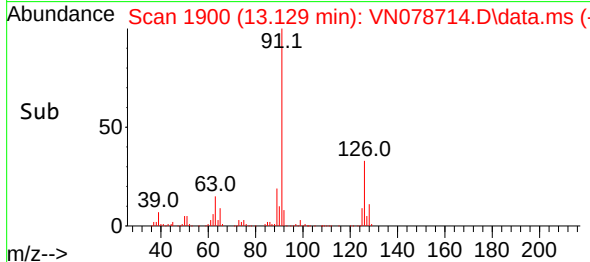
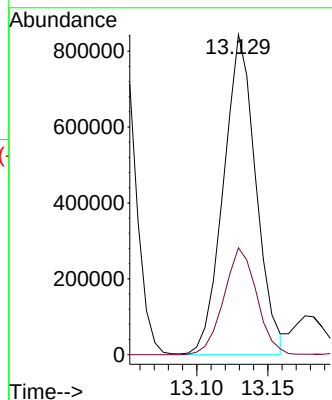
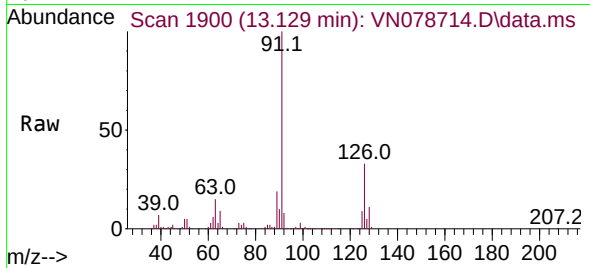
#75
2-Chlorotoluene
Concen: 70.823 ug/l
RT: 13.129 min Scan# 1900
Delta R.T. 0.000 min
Lab File: VN078714.D
Acq: 01 Aug 2023 13:47

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC050

Tgt Ion: 91 Resp: 133983
Ion Ratio Lower Upper
91 100
126 33.8 0.0 67.2

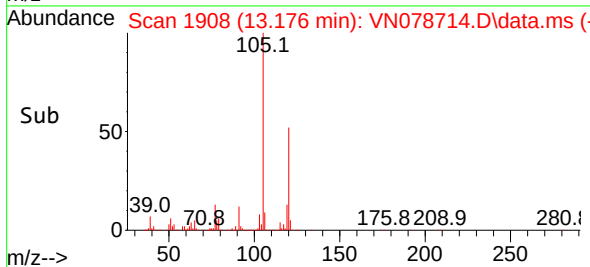
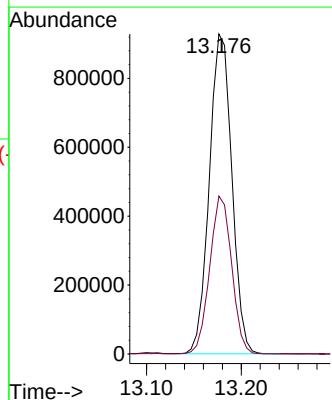
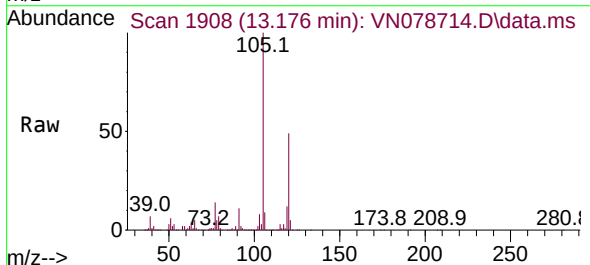
Manual Integrations
APPROVED

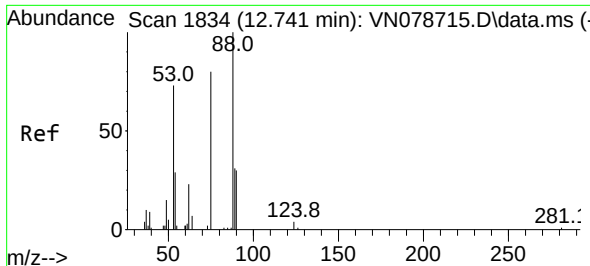
Reviewed By :John Carlone 08/02/2023
Supervised By :Mahesh Dadoda 08/02/2023



#76
1,3,5-Trimethylbenzene
Concen: 69.436 ug/l
RT: 13.176 min Scan# 1908
Delta R.T. 0.000 min
Lab File: VN078714.D
Acq: 01 Aug 2023 13:47

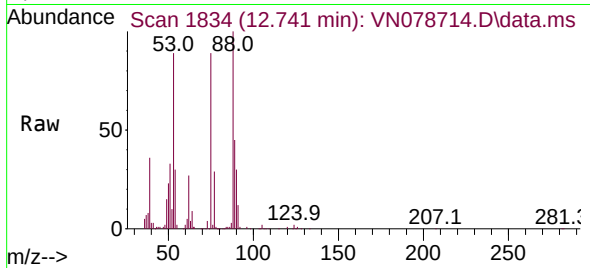
Tgt Ion:105 Resp: 1536598
Ion Ratio Lower Upper
105 100
120 48.0 0.0 97.2





#77
t-1,4-Dichloro-2-butene
Concen: 74.735 ug/l
RT: 12.741 min Scan# 1834
Delta R.T. 0.000 min
Lab File: VN078714.D
Acq: 01 Aug 2023 13:47

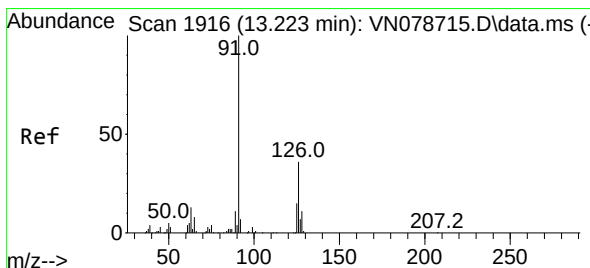
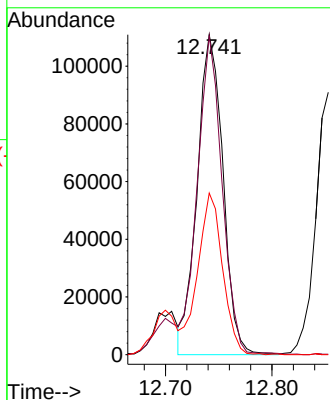
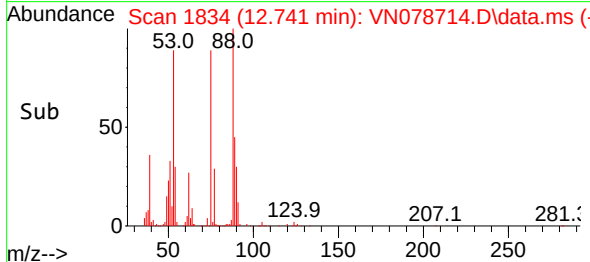
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050



Tgt Ion: 75 Resp: 187070
Ion Ratio Lower Upper
75 100
53 99.3 41.6 124.9
89 50.4 25.1 75.4

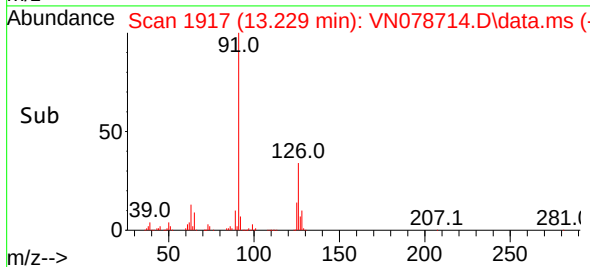
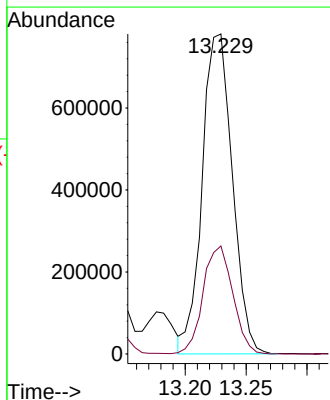
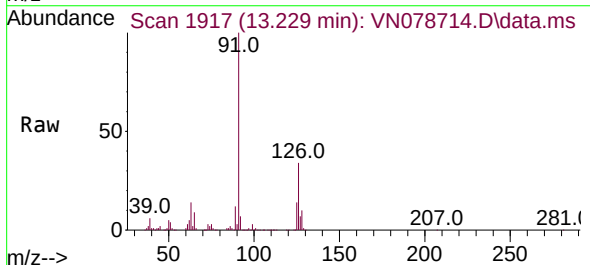
Manual Integrations
APPROVED

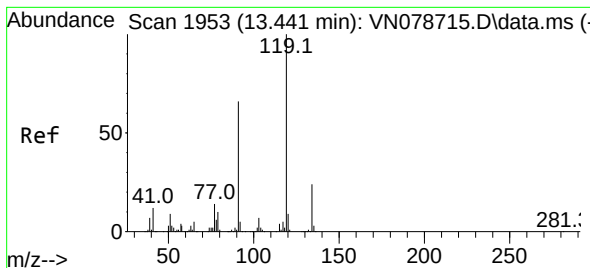
Reviewed By :John Carlone 08/02/2023
Supervised By :Mahesh Dadoda 08/02/2023



#78
4-Chlorotoluene
Concen: 74.229 ug/l
RT: 13.229 min Scan# 1917
Delta R.T. 0.006 min
Lab File: VN078714.D
Acq: 01 Aug 2023 13:47

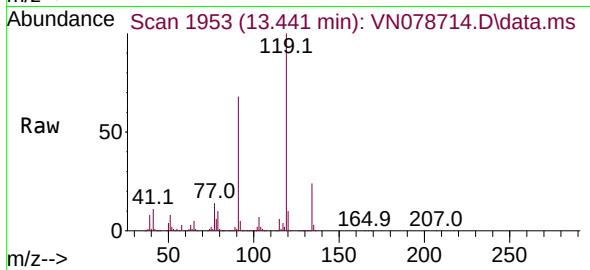
Tgt Ion: 91 Resp: 1346229
Ion Ratio Lower Upper
91 100
126 33.2 0.0 68.8





#79
tert-butylbenzene
Concen: 69.427 ug/l
RT: 13.441 min Scan# 1953
Delta R.T. 0.000 min
Lab File: VN078714.D
Acq: 01 Aug 2023 13:47

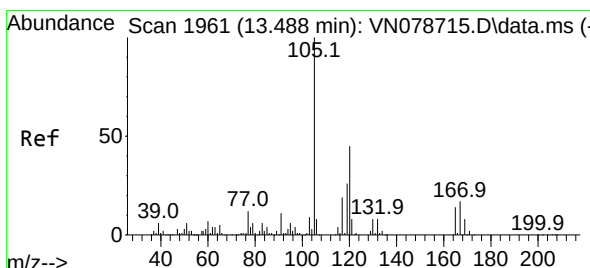
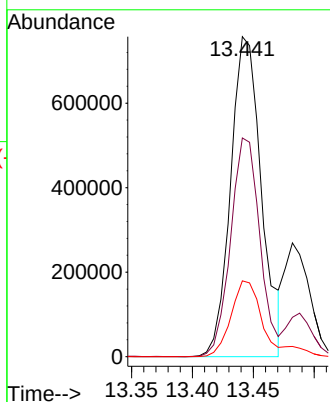
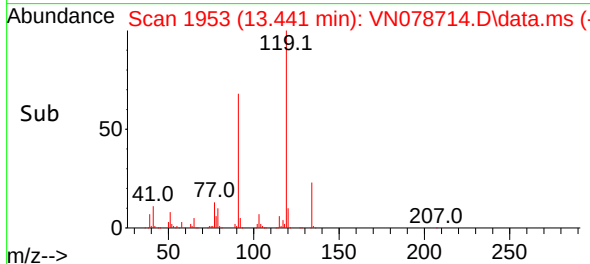
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050



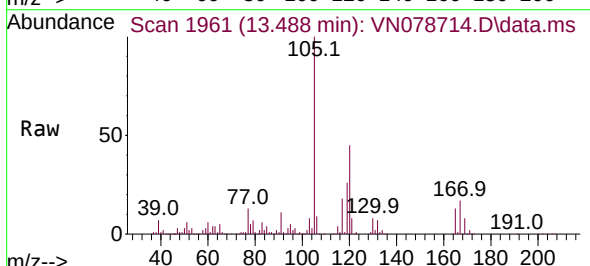
Tgt Ion:119 Resp: 133472
Ion Ratio Lower Upper
119 100
91 64.8 0.0 126.6
134 22.8 0.0 44.0

Manual Integrations
APPROVED

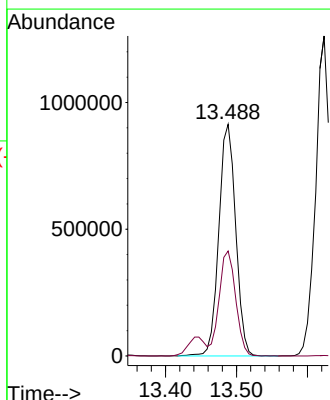
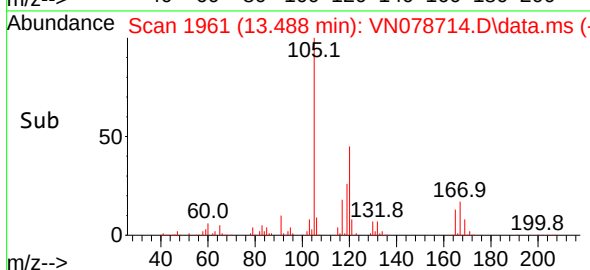
Reviewed By :John Carlone 08/02/2023
Supervised By :Mahesh Dadoda 08/02/2023

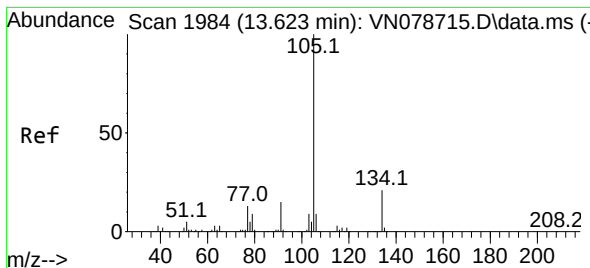


#80
1,2,4-Trimethylbenzene
Concen: 71.338 ug/l
RT: 13.488 min Scan# 1961
Delta R.T. 0.000 min
Lab File: VN078714.D
Acq: 01 Aug 2023 13:47



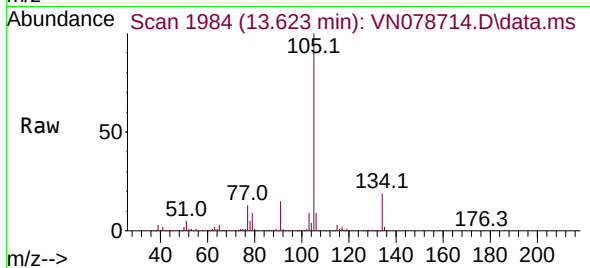
Tgt Ion:105 Resp: 1498769
Ion Ratio Lower Upper
105 100
120 44.6 0.0 88.2





#81
 sec-Butylbenzene
 Concen: 76.789 ug/l
 RT: 13.623 min Scan# 1984
 Delta R.T. 0.000 min
 Lab File: VN078714.D
 Acq: 01 Aug 2023 13:47

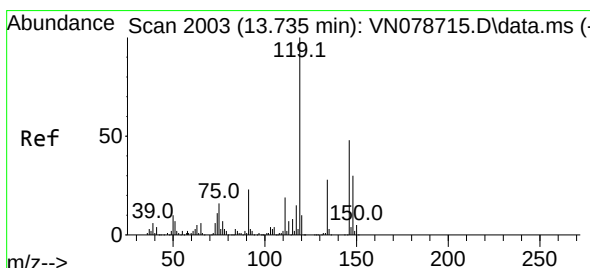
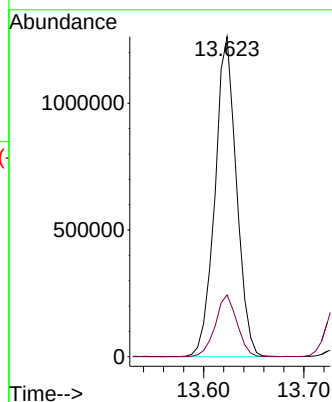
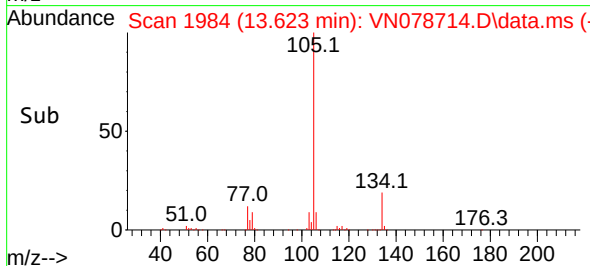
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC050



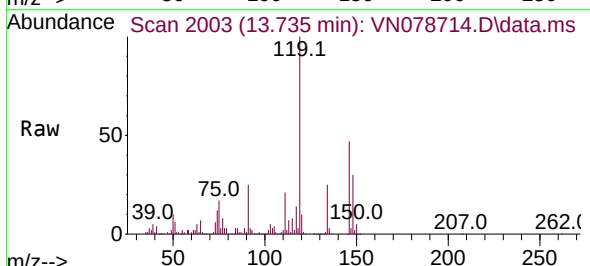
Tgt Ion:105 Resp: 1880073
 Ion Ratio Lower Upper
 105 100
 134 19.4 0.0 38.6

Manual Integrations
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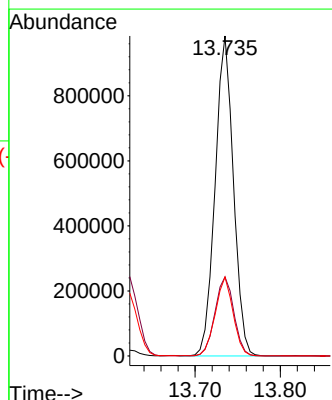
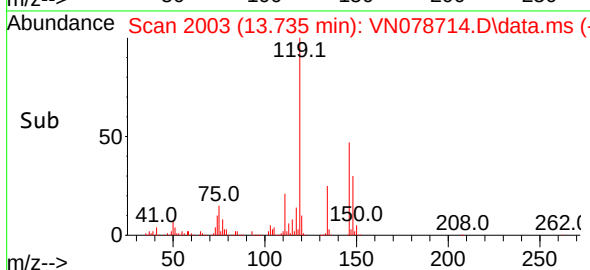
Reviewed By :John Carlone 08/02/2023
 Supervised By :Mahesh Dadoda 08/02/2023

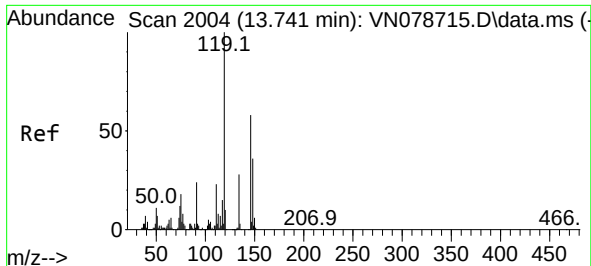


#82
 p-Isopropyltoluene
 Concen: 73.532 ug/l
 RT: 13.735 min Scan# 2003
 Delta R.T. 0.000 min
 Lab File: VN078714.D
 Acq: 01 Aug 2023 13:47



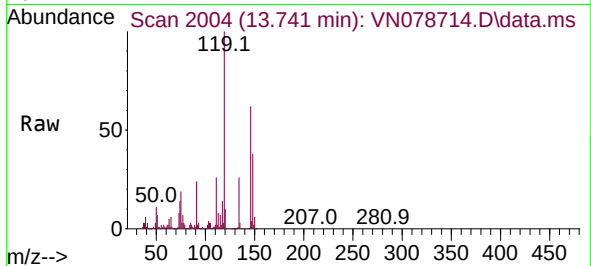
Tgt Ion:119 Resp: 1468536
 Ion Ratio Lower Upper
 119 100
 134 25.6 0.0 52.4
 91 24.0 0.0 48.2





#83
1,3-Dichlorobenzene
Concen: 74.161 ug/l
RT: 13.741 min Scan# 2004
Delta R.T. -0.000 min
Lab File: VN078714.D
Acq: 01 Aug 2023 13:47

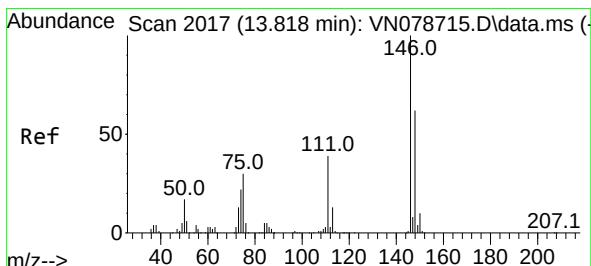
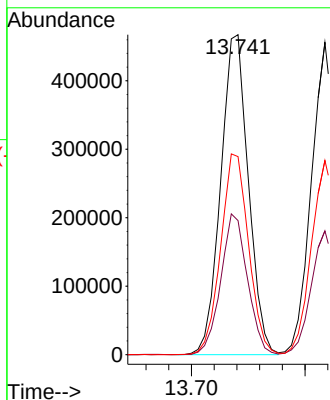
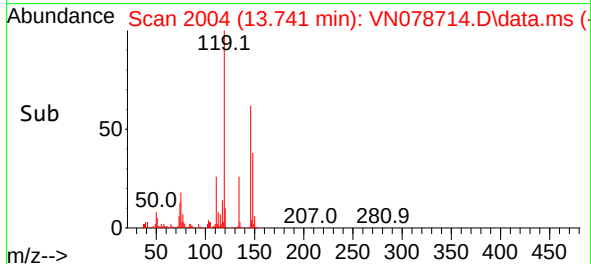
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050



Tgt Ion:146 Resp: 790470
Ion Ratio Lower Upper
146 100
111 42.5 21.6 64.6
148 63.4 31.9 95.5

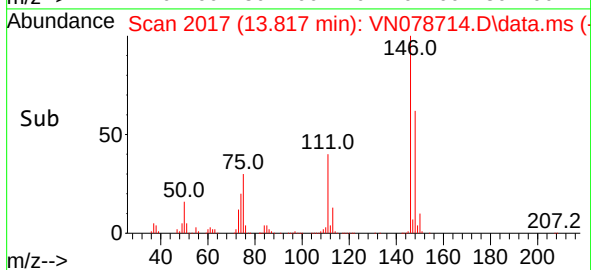
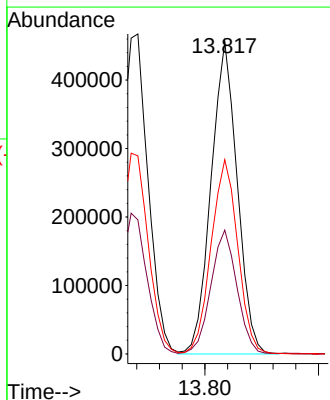
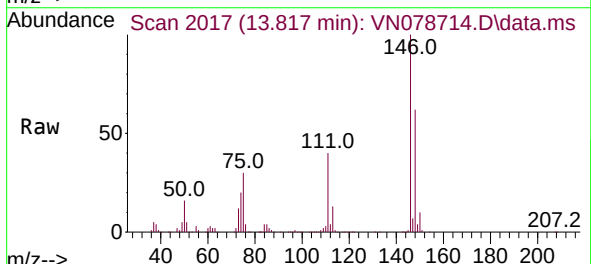
Manual Integrations
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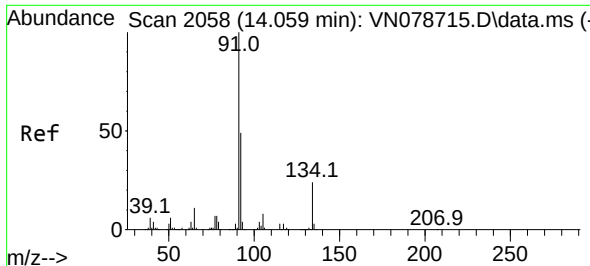
Reviewed By :John Carlone 08/02/2023
Supervised By :Mahesh Dadoda 08/02/2023



#84
1,4-Dichlorobenzene
Concen: 73.961 ug/l
RT: 13.817 min Scan# 2017
Delta R.T. -0.001 min
Lab File: VN078714.D
Acq: 01 Aug 2023 13:47

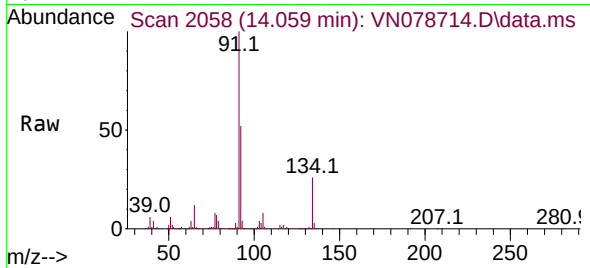
Tgt Ion:146 Resp: 731101
Ion Ratio Lower Upper
146 100
111 39.5 19.4 58.2
148 62.8 31.4 94.3





#85
n-Butylbenzene
Concen: 68.858 ug/l
RT: 14.059 min Scan# 2058
Delta R.T. -0.000 min
Lab File: VN078714.D
Acq: 01 Aug 2023 13:47

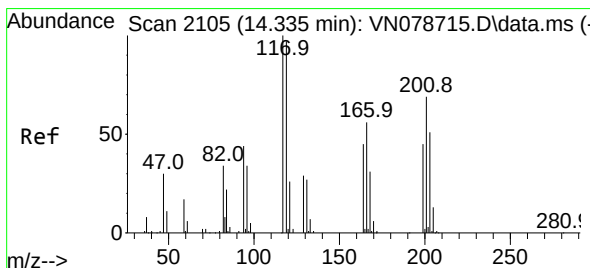
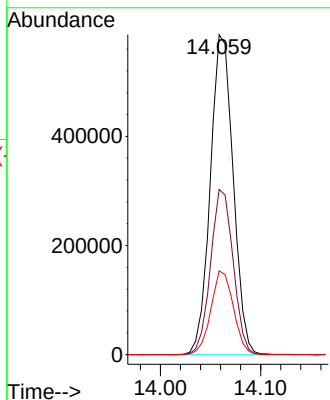
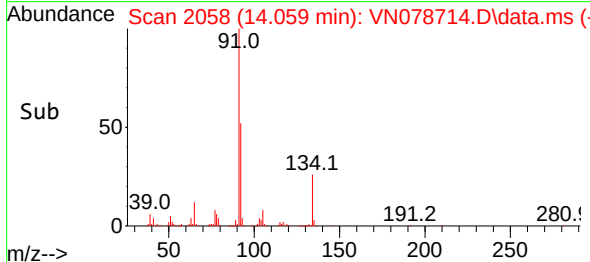
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC050



Tgt Ion: 91 Resp: 92990
Ion Ratio Lower Upper
91 100
92 51.1 0.0 99.6
134 25.9 0.0 50.0

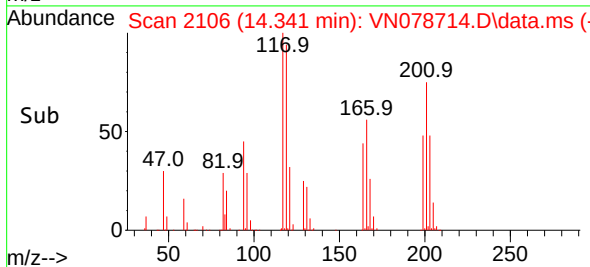
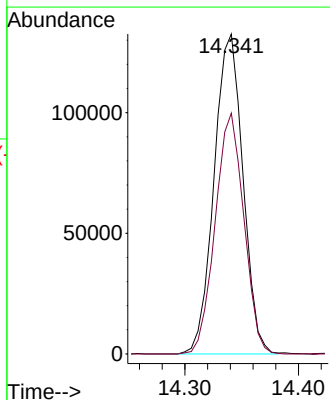
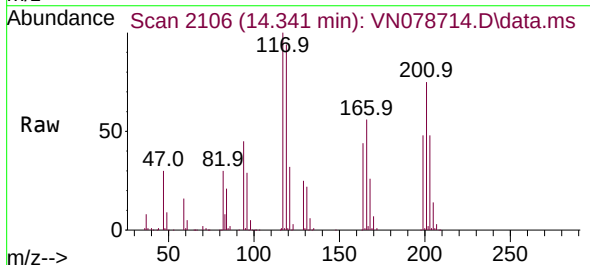
Manual Integrations
APPROVED

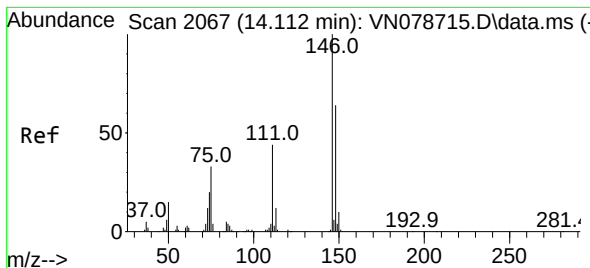
Reviewed By :John Carlone 08/02/2023
Supervised By :Mahesh Dadoda 08/02/2023



#86
Hexachloroethane
Concen: 60.984 ug/l
RT: 14.341 min Scan# 2106
Delta R.T. 0.006 min
Lab File: VN078714.D
Acq: 01 Aug 2023 13:47

Tgt Ion:117 Resp: 234131
Ion Ratio Lower Upper
117 100
201 74.6 34.2 102.6





#87

1,2-Dichlorobenzene

Concen: 65.814 ug/l

RT: 14.112 min Scan# 2067

Delta R.T. -0.000 min

Lab File: VN078714.D

Acq: 01 Aug 2023 13:47

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC050

Tgt Ion:146 Resp: 65872

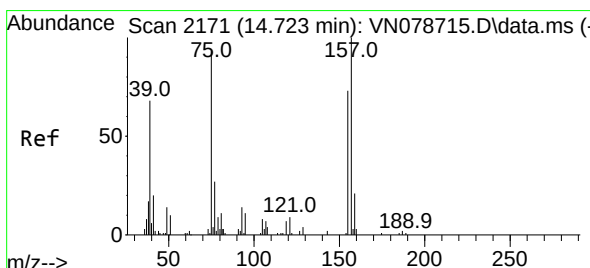
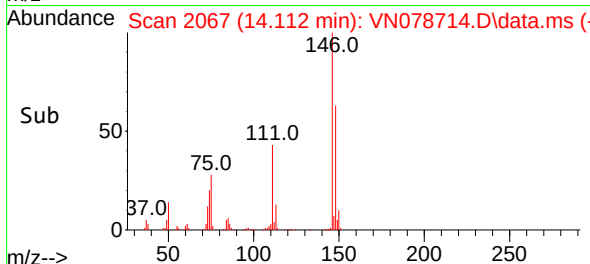
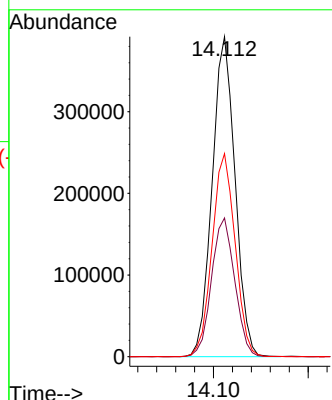
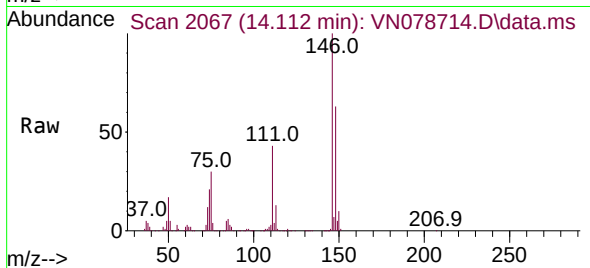
Ion	Ratio	Lower	Upper
146	100		
111	43.9	22.4	67.3
148	64.0	33.4	100.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 08/02/2023

Supervised By :Mahesh Dadoda 08/02/2023



#88

1,2-Dibromo-3-Chloropropane

Concen: 61.200 ug/l

RT: 14.723 min Scan# 2171

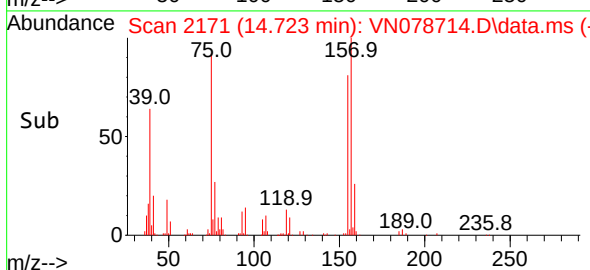
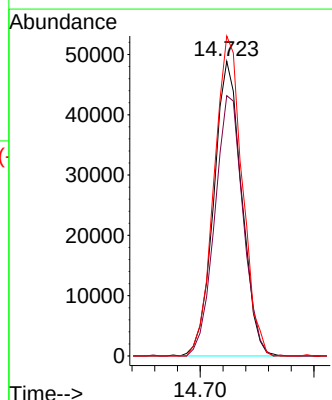
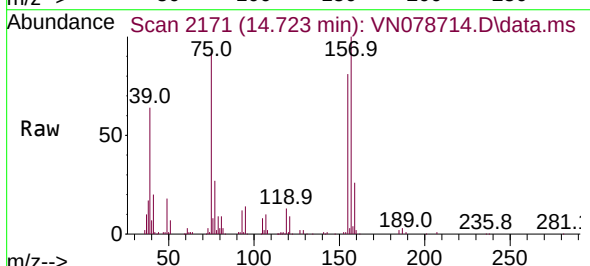
Delta R.T. 0.000 min

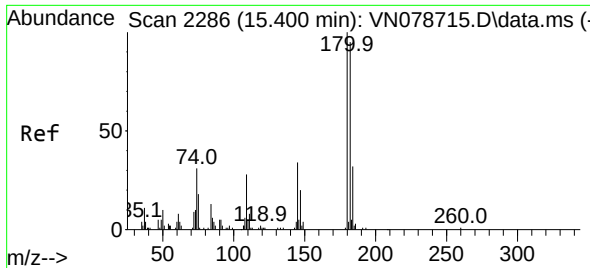
Lab File: VN078714.D

Acq: 01 Aug 2023 13:47

Tgt Ion: 75 Resp: 83410

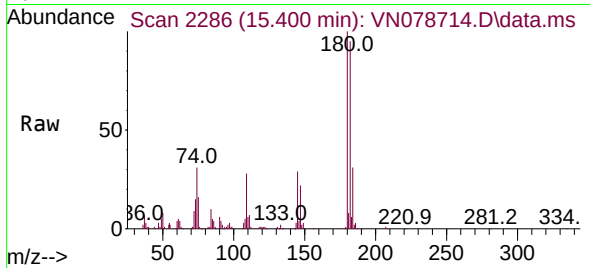
Ion	Ratio	Lower	Upper
75	100		
155	89.5	68.2	102.2
157	109.6	84.7	127.1





#89
1,2,4-Trichlorobenzene
Concen: 80.794 ug/l
RT: 15.400 min Scan# 21
Delta R.T. -0.000 min
Lab File: VN078714.D
Acq: 01 Aug 2023 13:47

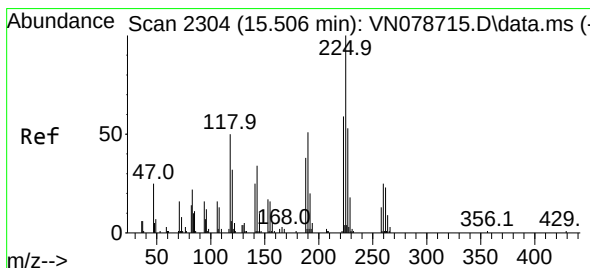
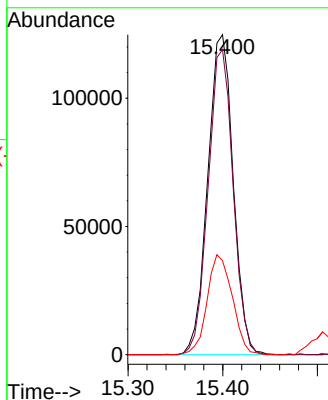
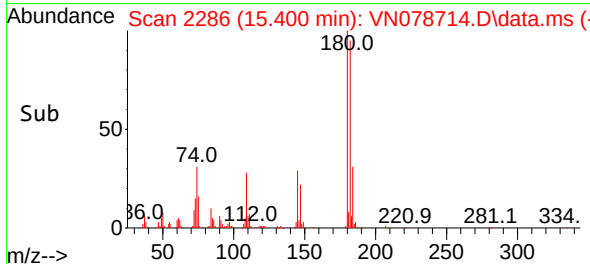
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050



Tgt Ion:180 Resp: 233240
Ion Ratio Lower Upper
180 100
182 93.6 73.7 110.5
145 31.0 25.0 37.6

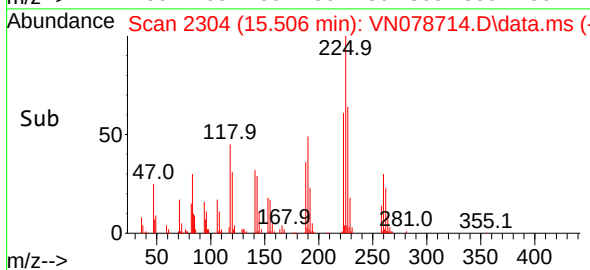
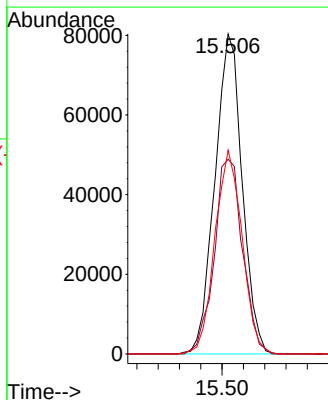
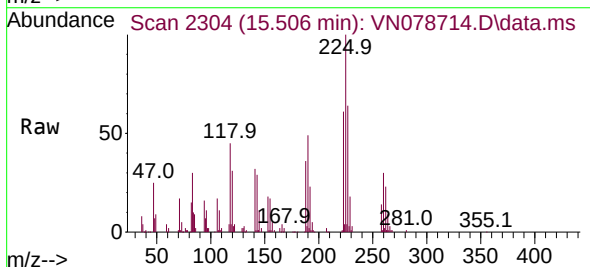
Manual Integrations
APPROVED

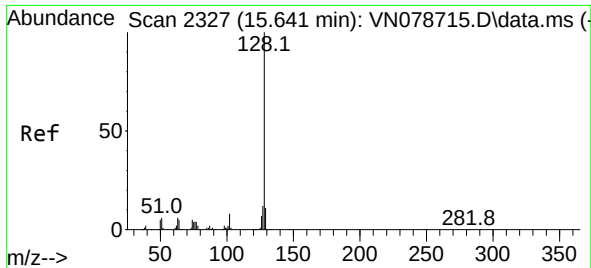
Reviewed By :John Carlone 08/02/2023
Supervised By :Mahesh Dadoda 08/02/2023



#90
Hexachlorobutadiene
Concen: 57.761 ug/l
RT: 15.506 min Scan# 2304
Delta R.T. -0.000 min
Lab File: VN078714.D
Acq: 01 Aug 2023 13:47

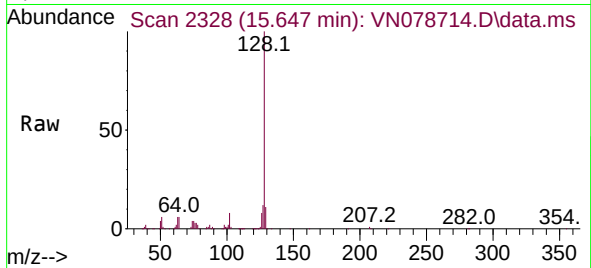
Tgt Ion:225 Resp: 142796
Ion Ratio Lower Upper
225 100
223 63.3 0.0 130.0
227 63.6 0.0 124.0





#91
Naphthalene
Concen: 77.003 ug/l
RT: 15.647 min Scan# 21
Delta R.T. 0.006 min
Lab File: VN078714.D
Acq: 01 Aug 2023 13:47

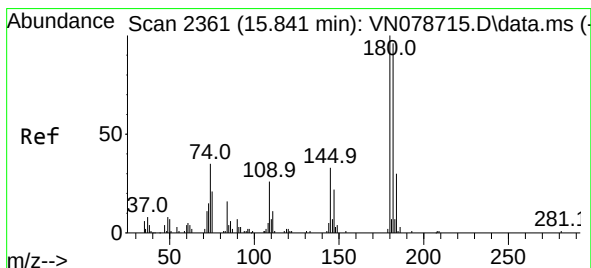
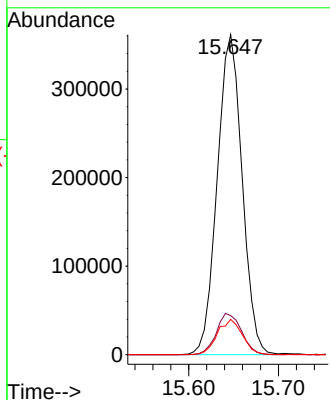
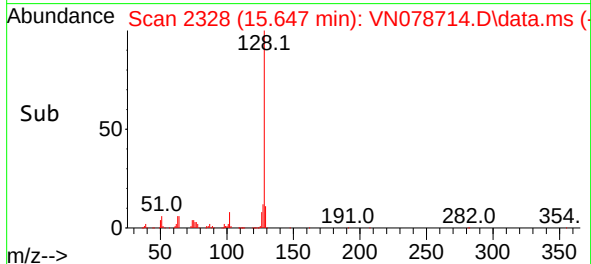
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050



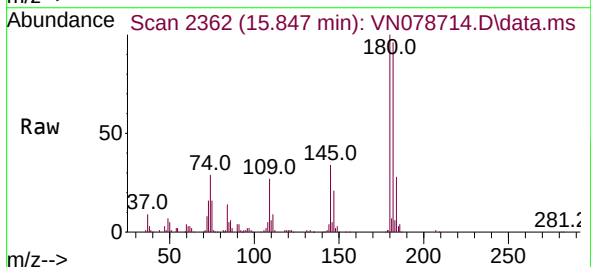
Tgt Ion:128 Resp: 69652
Ion Ratio Lower Upper
128 100
127 13.1 10.2 15.2
129 11.1 9.0 13.4

Manual Integrations
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Reviewed By :John Carlone 08/02/2023
Supervised By :Mahesh Dadoda 08/02/2023



#92
1,2,3-Trichlorobenzene
Concen: 73.952 ug/l
RT: 15.847 min Scan# 2362
Delta R.T. 0.006 min
Lab File: VN078714.D
Acq: 01 Aug 2023 13:47



Tgt Ion:180 Resp: 256565
Ion Ratio Lower Upper
180 100
182 94.0 0.0 196.4
145 32.9 0.0 71.0

