

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN080123\
 Data File : VN078716.D
 Acq On : 01 Aug 2023 14:35
 Operator : JC\MD
 Sample : VSTDICC010
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC010

Manual Integrations
 APPROVED

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

Quant Time: Aug 02 02:52:14 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	101657	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.112	114	582350	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.871	117	495167	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.588	65	238519	31.139	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 103.800%			
60) 4-Bromofluorobenzene	12.853	95	201101	28.188	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 93.967%			
63) Toluene-d8	10.571	98	819024	33.399	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 111.333%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.136	85	63428	11.279	ug/l	97
3) Chloromethane	2.377	50	75675	10.830	ug/l	96
4) Vinyl Chloride	2.524	62	110858	12.140	ug/l	95
5) Bromomethane	2.971	94	85261	12.187	ug/l	95
6) Chloroethane	3.130	64	70734	11.788	ug/l	97
7) Trichlorofluoromethane	3.506	101	112589	11.868	ug/l	95
8) Diethyl Ether	3.977	74	34903	11.393	ug/l	97
9) 1,1,2-Trichlorotrifluo...	4.377	101	60065	11.890	ug/l	95
10) 1,1-Dichloroethene	4.353	96	56429	11.638	ug/l	90
11) Methyl Iodide	4.595	142	75057	11.174	ug/l	92
12) Methyl Acetate	5.048	43	91369	12.755	ug/l	97
13) Acrolein	4.195	56	47986	56.747	ug/l	99
14) Acrylonitrile	5.736	53	133337	64.259	ug/l	98
15) Acetone	4.448	58	38362	61.859	ug/l	98
16) Carbon Disulfide	4.724	76	160800	11.609	ug/l	100
17) Allyl chloride	5.036	41	72873	10.789	ug/l	98
18) Methylene Chloride	5.289	84	70985	13.552	ug/l	94
19) trans-1,2-Dichloroethene	5.800	96	65381	11.577	ug/l	94
20) Diisopropyl ether	6.683	45	169505	11.451	ug/l	97
21) 1,1-Dichloroethane	6.583	63	116647	11.808	ug/l	95
22) cis-1,2-Dichloroethene	7.500	96	74911	11.945	ug/l	96
23) tert-Butyl Alcohol	5.542	59	57600m	60.674	ug/l	
24) Methyl tert-Butyl Ether	5.812	73	188658m	11.547	ug/l	
25) Chloroform	7.971	83	125767	12.190	ug/l	96
26) Cyclohexane	8.271	56	86114	11.946	ug/l #	94
29) 1,1-Dichloropropene	8.383	75	90343	12.562	ug/l	99
30) 2-Butanone	7.494	43	170085	60.062	ug/l	99
31) 2,2-Dichloropropane	7.494	77	99088	12.054	ug/l	100
32) 1,1,1-Trichloroethane	8.177	97	118329	12.872	ug/l	98
33) Carbon Tetrachloride	8.371	117	100242	12.374	ug/l	95
34) Benzene	8.612	78	268993	12.408	ug/l #	93
35) Methacrylonitrile	7.789	41	37315	11.842	ug/l	83
36) 1,2-Dichloroethane	8.683	62	95117	12.437	ug/l	99
37) Trichloroethene	9.359	130	70613	11.824	ug/l	98
38) Methylcyclohexane	9.612	83	82778	11.595	ug/l	98
39) 1,2-Dichloropropane	9.630	63	69077	12.142	ug/l	100
40) Dibromomethane	9.718	93	49317	12.225	ug/l	96
41) Bromodichloromethane	9.894	83	97371	12.061	ug/l #	94
42) Vinyl Acetate	6.618	43	529609	55.838	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	7.571	43	73026	12.231	ug/l #	77
44) Isopropyl Acetate	8.700	43	127175	12.174	ug/l	99
45) 1,4-Dioxane	9.700	88	22801	243.102	ug/l	95
46) Methyl methacrylate	9.688	41	54900	11.771	ug/l	98
47) n-amyl Acetate	12.500	43	87779	11.486	ug/l	97
48) t-1,3-Dichloropropene	10.841	75	109700	12.794	ug/l	99
49) cis-1,3-Dichloropropene	10.318	75	122348	13.466	ug/l	98
50) 1,1,2-Trichloroethane	11.024	97	71265	12.286	ug/l	97
51) Ethyl methacrylate	10.882	69	97436	12.563	ug/l	92
52) 1,3-Dichloropropane	11.171	76	160152	15.200	ug/l	97
53) Dibromochloromethane	11.365	129	80964	12.625	ug/l	96
54) 1,2-Dibromoethane	11.471	107	70722	12.350	ug/l	98
55) 2-Chloroethyl vinyl ether	10.165	63	149544	60.503	ug/l	97
56) Bromoform	12.582	173	47065	11.660	ug/l	100
58) 4-Methyl-2-Pentanone	10.447	43	429239	67.573	ug/l	99
59) 2-Hexanone	11.200	43	316654	65.672	ug/l	99
61) Tetrachloroethene	11.112	164	83187	14.693	ug/l	95
62) Toluene	10.641	91	325412	12.804	ug/l	99
64) Chlorobenzene	11.894	112	177805	12.101	ug/l	92
65) 1,1,1,2-Tetrachloroethane	11.965	131	69070	11.840	ug/l	98
66) Ethyl Benzene	11.971	91	290495	11.562	ug/l	100
67) m/p-Xylenes	12.076	106	217971	22.796	ug/l	98
68) o-Xylene	12.400	106	107057	11.203	ug/l	95
69) Styrene	12.418	104	162138	10.899	ug/l	98
70) Isopropylbenzene	12.700	105	264843	11.147	ug/l	98
71) 1,1,2,2-Tetrachloroethane	12.941	83	93216	11.722	ug/l	97
72) 1,2,3-Trichloropropane	13.000	75	74204m	9.845	ug/l	
73) Bromobenzene	12.988	156	65971	11.225	ug/l	95
74) n-propylbenzene	13.041	91	280642	10.678	ug/l	100
75) 2-Chlorotoluene	13.129	91	186338	11.151	ug/l	99
76) 1,3,5-Trimethylbenzene	13.176	105	218419	11.174	ug/l	98
77) t-1,4-Dichloro-2-butene	12.741	75	22565	10.206	ug/l	74
78) 4-Chlorotoluene	13.229	91	169600	10.587	ug/l	100
79) tert-butylbenzene	13.441	119	186458	10.981	ug/l	97
80) 1,2,4-Trimethylbenzene	13.488	105	201994	10.885	ug/l	98
81) sec-Butylbenzene	13.623	105	233230	10.785	ug/l	99
82) p-Isopropyltoluene	13.735	119	188690	10.697	ug/l	99
83) 1,3-Dichlorobenzene	13.735	146	99816	10.602	ug/l	97
84) 1,4-Dichlorobenzene	13.818	146	94655	10.841	ug/l	99
85) n-Butylbenzene	14.065	91	127032	10.650	ug/l	98
86) Hexachloroethane	14.341	117	38829	11.450	ug/l	91
87) 1,2-Dichlorobenzene	14.112	146	99072	11.207	ug/l	96
88) 1,2-Dibromo-3-Chloropr...	14.723	75	14275	11.858	ug/l	96
89) 1,2,4-Trichlorobenzene	15.400	180	26393	10.351	ug/l	94
90) Hexachlorobutadiene	15.500	225	25437	11.649	ug/l	98
91) Naphthalene	15.647	128	83566	10.459	ug/l #	93
92) 1,2,3-Trichlorobenzene	15.841	180	35275	11.511	ug/l	93

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

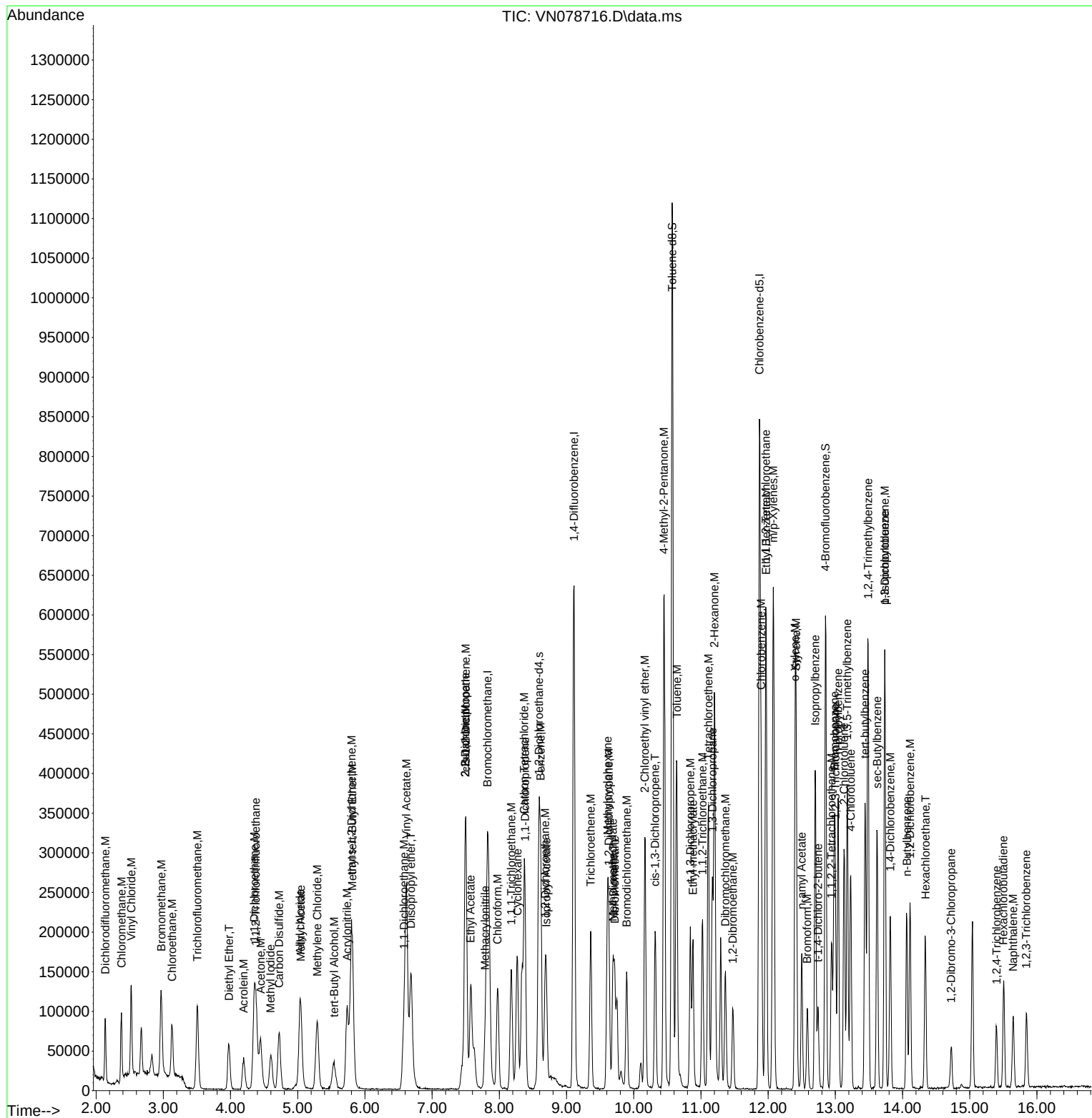
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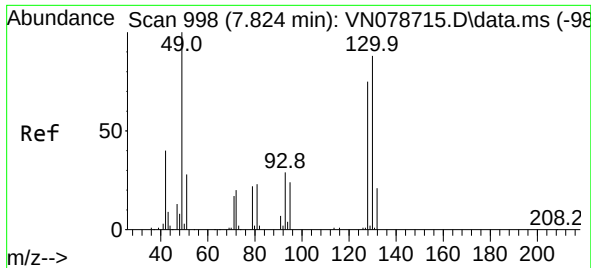
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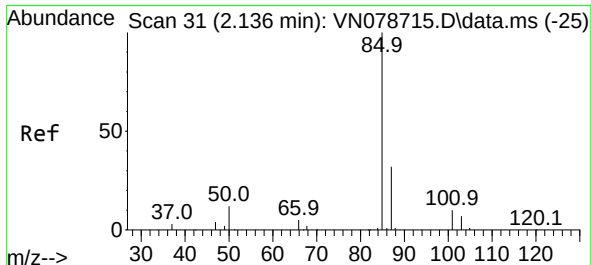
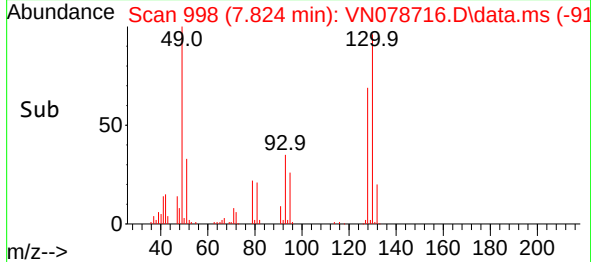
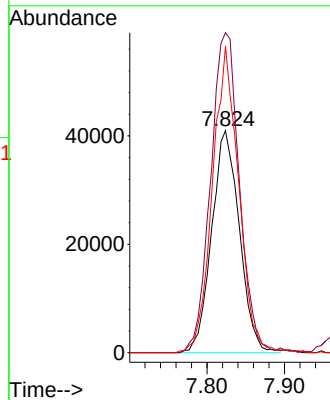
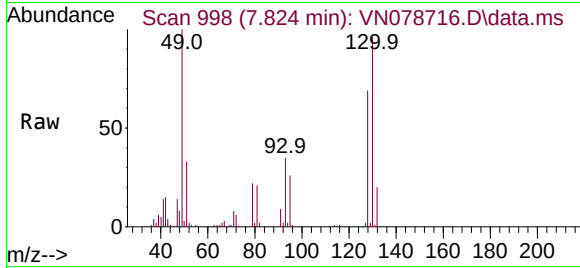
#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.824 min Scan# 998
Delta R.T. -0.000 min
Lab File: VN078716.D
Acq: 01 Aug 2023 14:35

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VSTDIC010

Tgt Ion:128 Resp: 10165
Ion Ratio Lower Upper
128 100
49 149.5 0.0 370.8
130 130.7 0.0 307.0

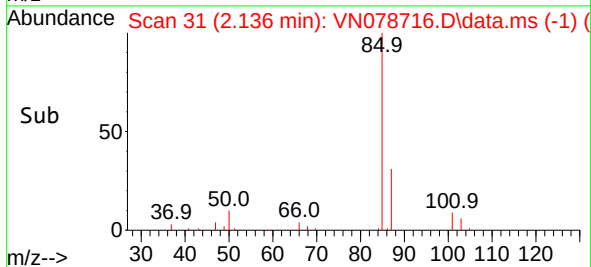
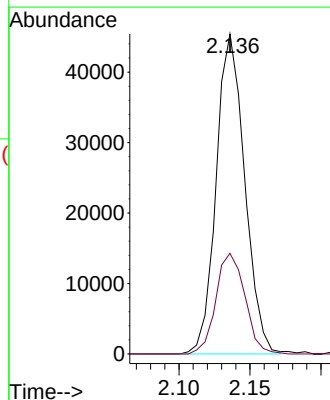
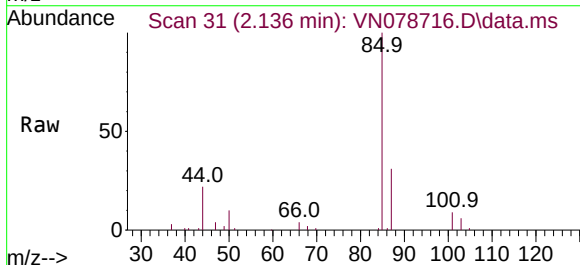
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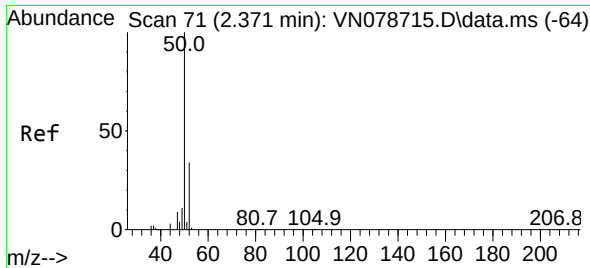
Reviewed By :John Carlone 08/02/2023
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#2
Dichlorodifluoromethane
Concen: 11.279 ug/l
RT: 2.136 min Scan# 31
Delta R.T. -0.000 min
Lab File: VN078716.D
Acq: 01 Aug 2023 14:35

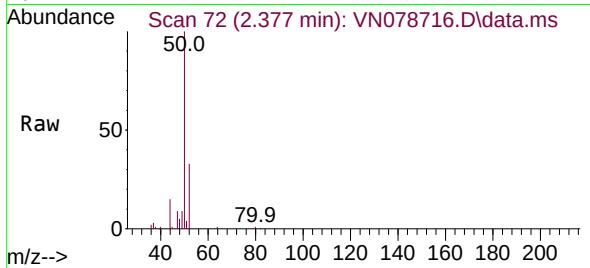
Tgt Ion: 85 Resp: 63428
Ion Ratio Lower Upper
85 100
87 31.5 16.4 49.4





#3
Chloromethane
Concen: 10.830 ug/l
RT: 2.377 min Scan# 71
Delta R.T. 0.006 min
Lab File: VN078716.D
Acq: 01 Aug 2023 14:35

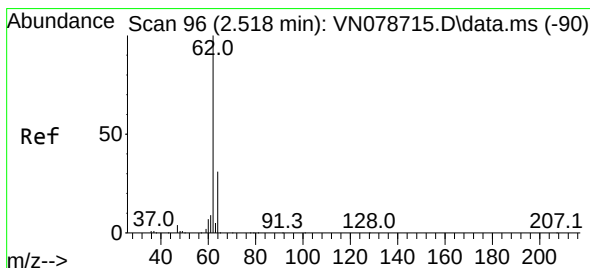
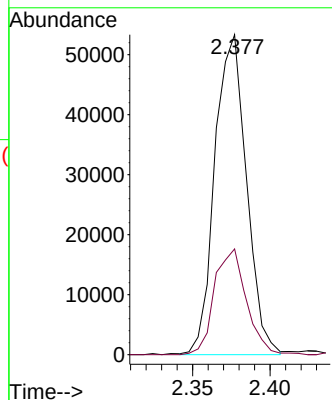
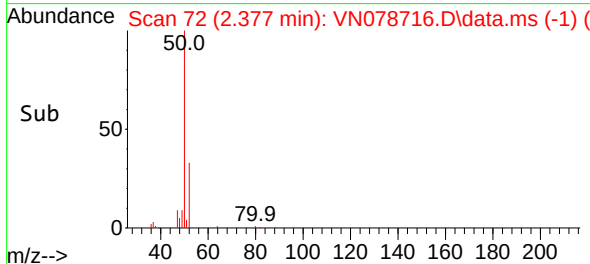
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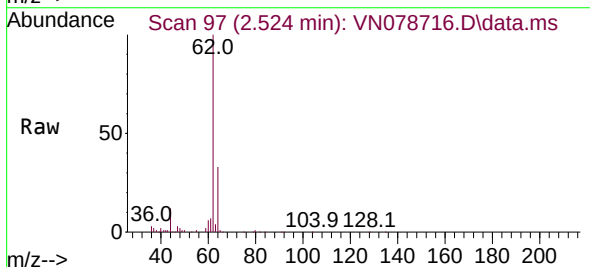
Tgt Ion: 50 Resp: 75679
Ion Ratio Lower Upper
50 100
52 33.1 24.6 36.8

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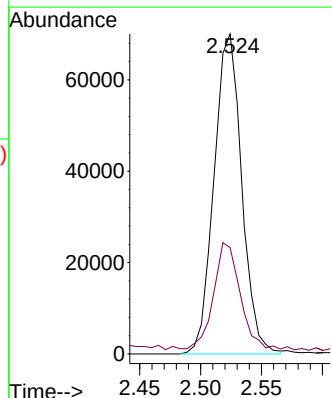
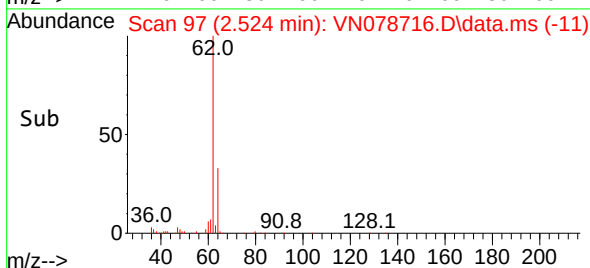
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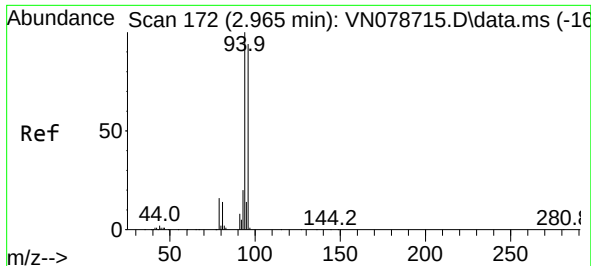


#4
Vinyl Chloride
Concen: 12.140 ug/l
RT: 2.524 min Scan# 97
Delta R.T. 0.006 min
Lab File: VN078716.D
Acq: 01 Aug 2023 14:35



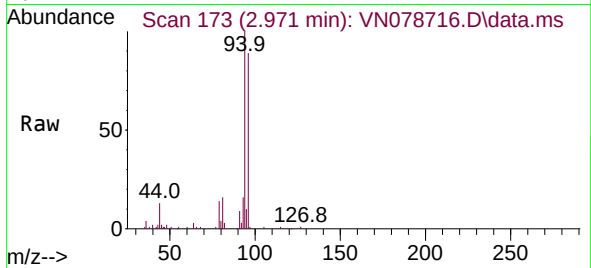
Tgt Ion: 62 Resp: 110858
Ion Ratio Lower Upper
62 100
64 31.6 23.3 34.9





#5
Bromomethane
Concen: 12.187 ug/l
RT: 2.971 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN078716.D
Acq: 01 Aug 2023 14:35

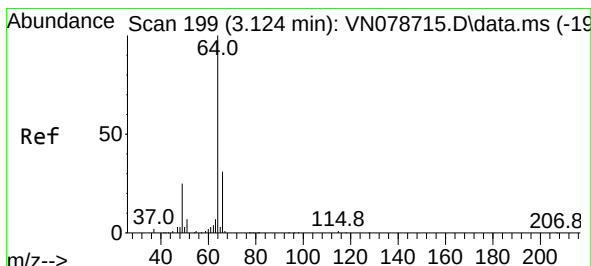
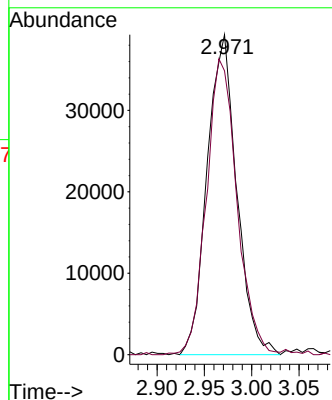
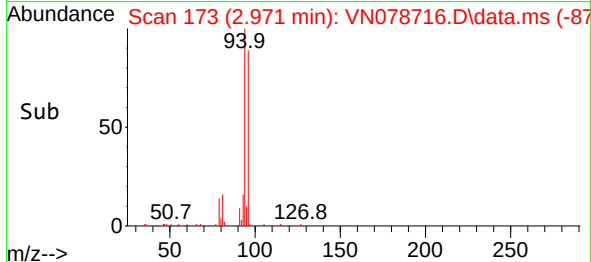
Instrument :
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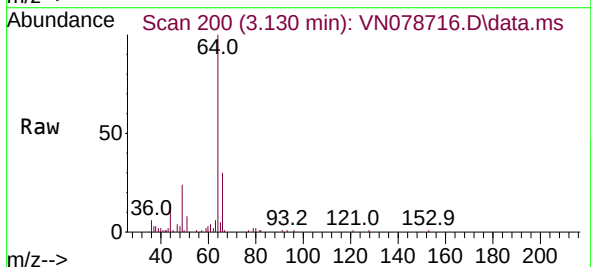
Tgt Ion: 94 Resp: 8526
Ion Ratio Lower Upper
94 100
96 87.9 73.9 110.9

Manual Integrations
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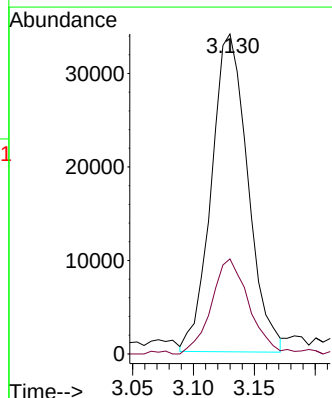
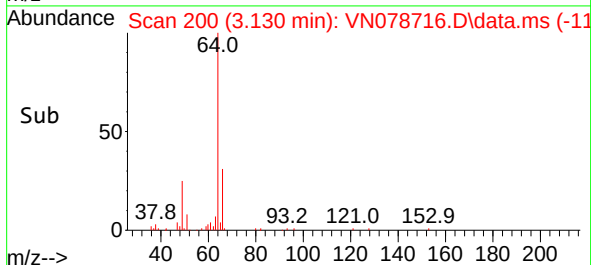
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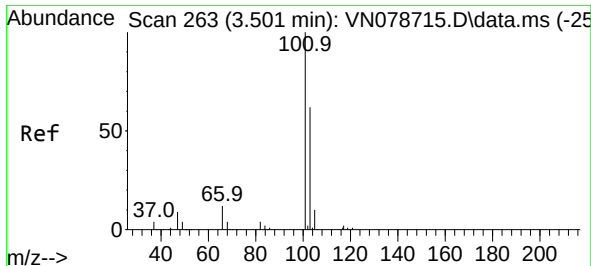


#6
Chloroethane
Concen: 11.788 ug/l
RT: 3.130 min Scan# 200
Delta R.T. 0.006 min
Lab File: VN078716.D
Acq: 01 Aug 2023 14:35



Tgt Ion: 64 Resp: 70734
Ion Ratio Lower Upper
64 100
66 30.4 25.7 38.5





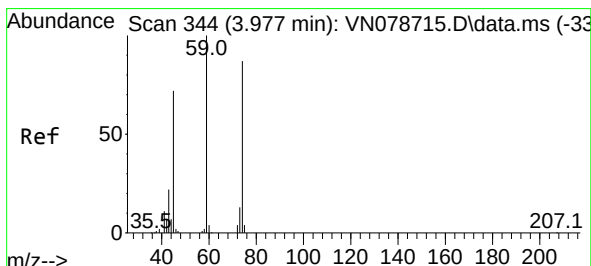
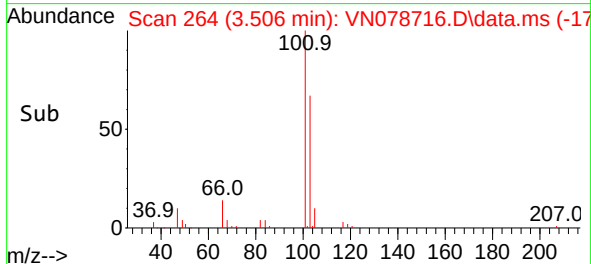
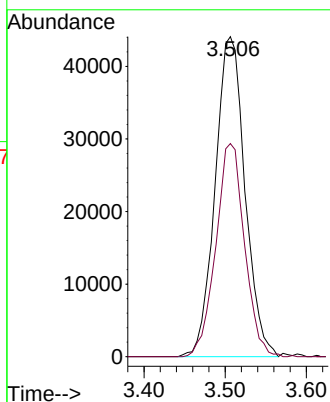
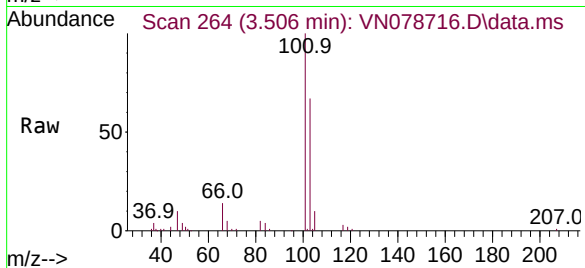
#7
Trichlorofluoromethane
Concen: 11.868 ug/l
RT: 3.506 min Scan# 263
Delta R.T. 0.005 min
Lab File: VN078716.D
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Tgt Ion:101 Resp: 112589
Ion Ratio Lower Upper
101 100
103 66.6 50.4 75.6

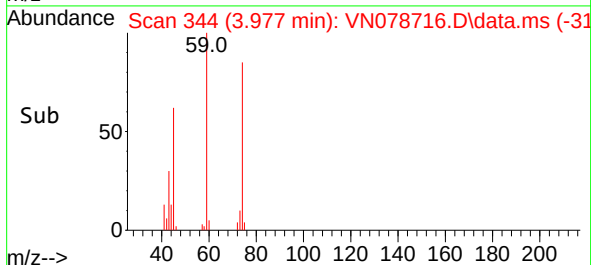
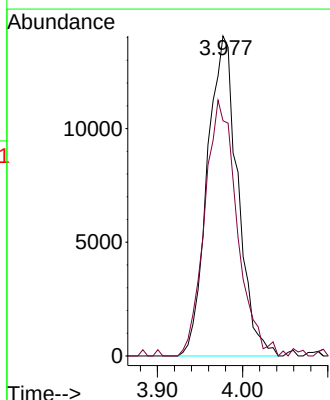
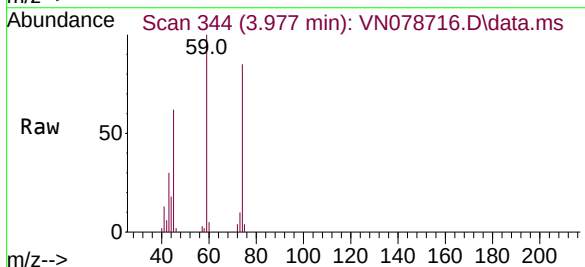
Manual Integrations
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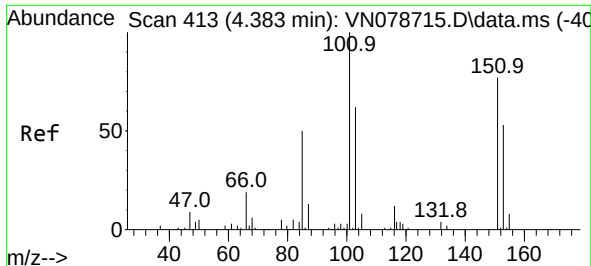
Reviewed By :John Carlone 08/02/2023
Supervised By :Mahesh Dadoda 08/02/2023



#8
Diethyl Ether
Concen: 11.393 ug/l
RT: 3.977 min Scan# 344
Delta R.T. 0.000 min
Lab File: VN078716.D
Acq: 01 Aug 2023 14:35

Tgt Ion: 74 Resp: 34903
Ion Ratio Lower Upper
74 100
45 83.9 16.3 146.5





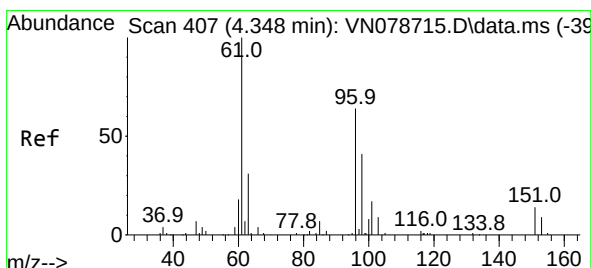
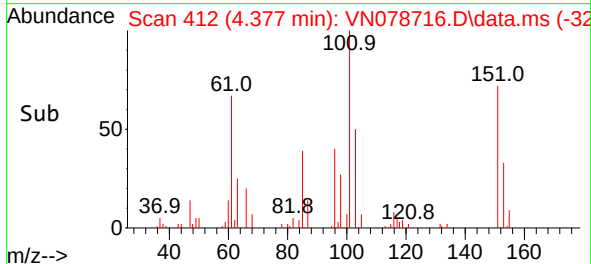
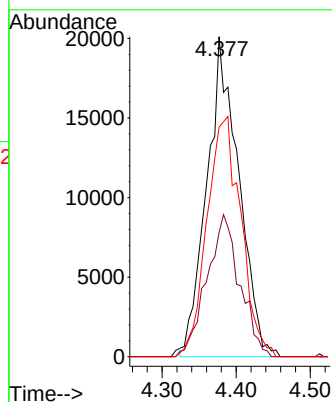
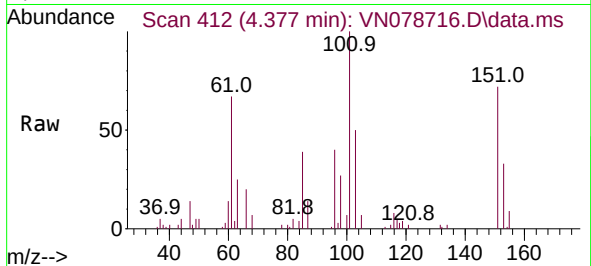
#9
1,1,2-Trichlorotrifluoroethane
Concen: 11.890 ug/l
RT: 4.377 min Scan# 413
Delta R.T. -0.006 min
Lab File: VN078716.D
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Tgt Ion:101 Resp: 6006
Ion Ratio Lower Upper
101 100
85 45.8 0.0 89.2
151 79.7 0.0 148.8

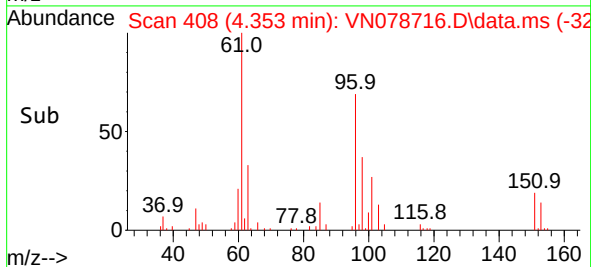
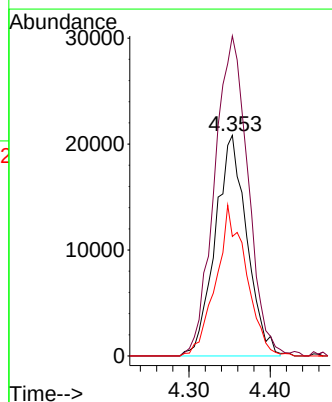
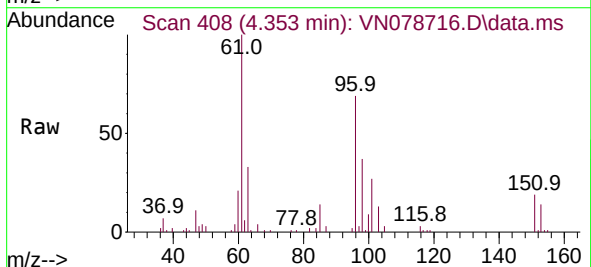
Manual Integrations
APPROVED

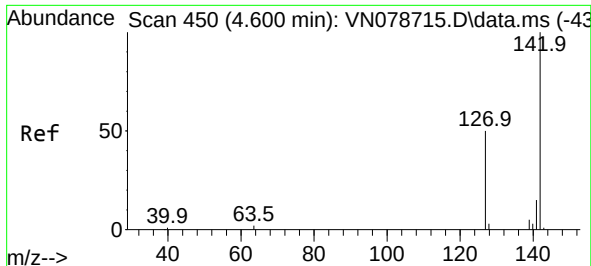
Reviewed By :John Carlone 08/02/2023
Supervised By :Mahesh Dadoda 08/02/2023



#10
1,1-Dichloroethene
Concen: 11.638 ug/l
RT: 4.353 min Scan# 408
Delta R.T. 0.005 min
Lab File: VN078716.D
Acq: 01 Aug 2023 14:35

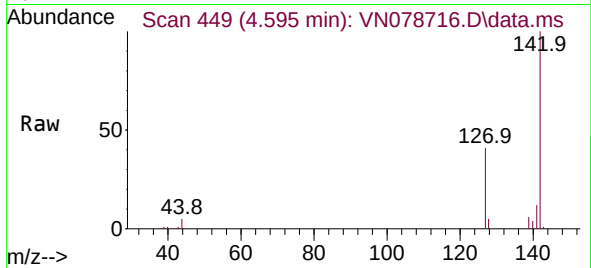
Tgt Ion: 96 Resp: 56429
Ion Ratio Lower Upper
96 100
61 145.1 123.4 185.2
98 54.2 53.7 80.5





#11
Methyl Iodide
Concen: 11.174 ug/l
RT: 4.595 min Scan# 44
Delta R.T. -0.005 min
Lab File: VN078716.D
Acq: 01 Aug 2023 14:35

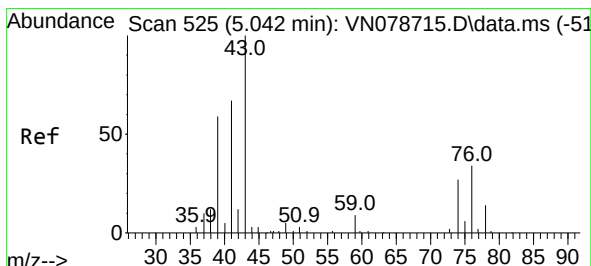
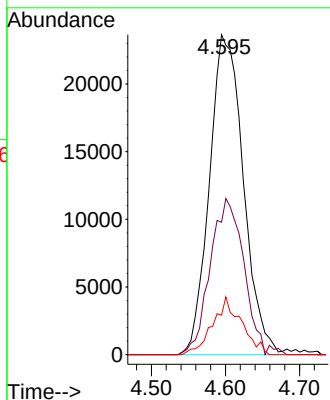
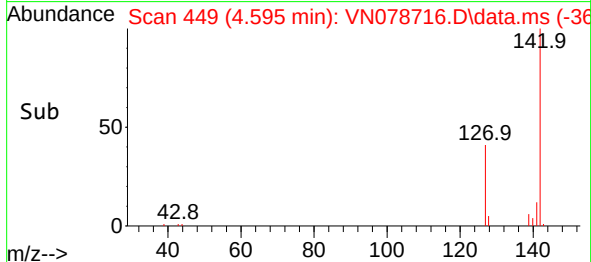
Instrument :
MSVOA_N
Client Sample Id :
VSTDIC010



Tgt Ion: 142 Resp: 7505
Ion Ratio Lower Upper
142 100
127 40.6 23.2 69.5
141 11.9 7.2 21.7

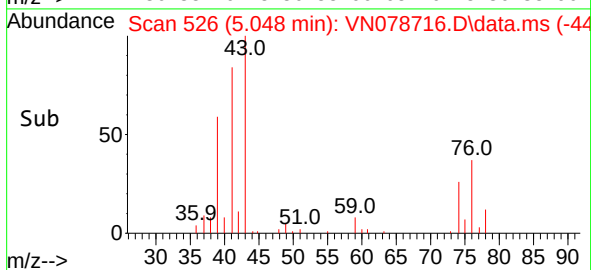
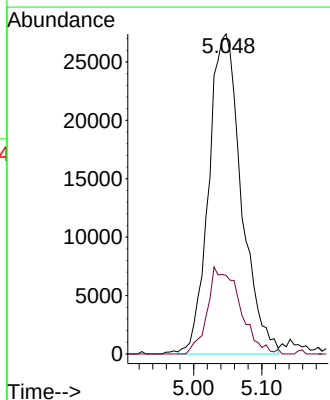
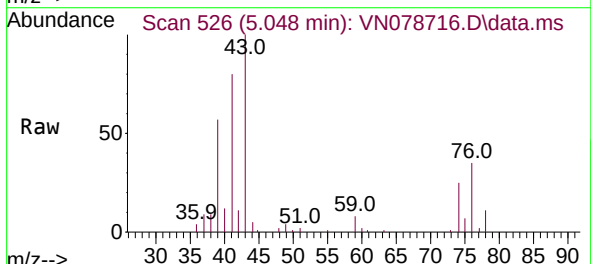
Manual Integrations
APPROVED

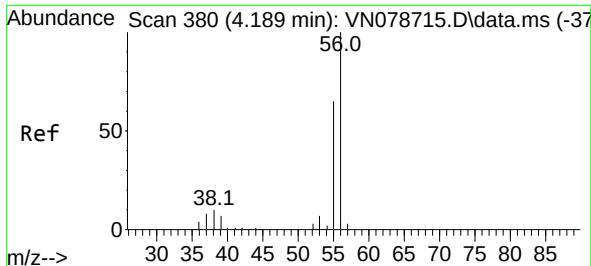
Reviewed By : John Carlone 08/02/2023
Supervised By : Mahesh Dadoda 08/02/2023



#12
Methyl Acetate
Concen: 12.755 ug/l
RT: 5.048 min Scan# 526
Delta R.T. 0.006 min
Lab File: VN078716.D
Acq: 01 Aug 2023 14:35

Tgt Ion: 43 Resp: 91369
Ion Ratio Lower Upper
43 100
74 24.1 20.5 30.7





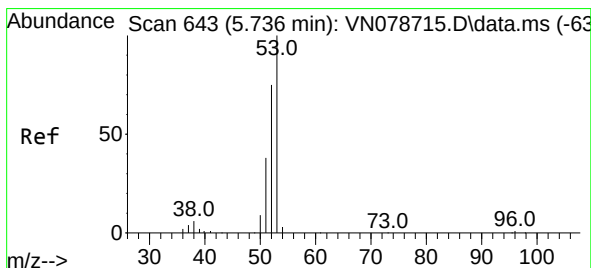
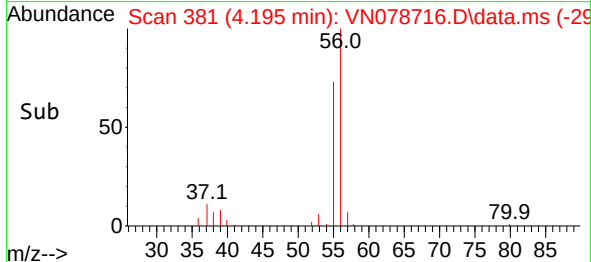
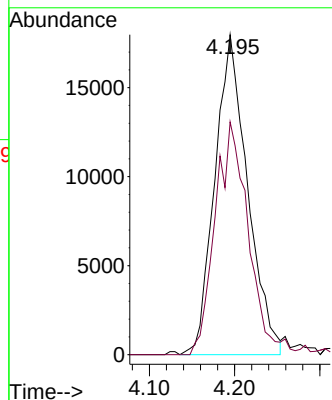
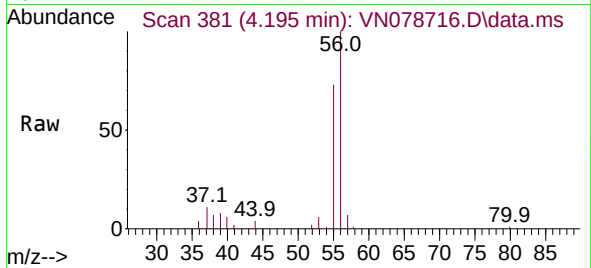
#13
Acrolein
Concen: 56.747 ug/l
RT: 4.195 min Scan# 381
Delta R.T. 0.006 min
Lab File: VN078716.D
Acq: 01 Aug 2023 14:35

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC010

Tgt Ion: 56 Resp: 47980
Ion Ratio Lower Upper
56 100
55 72.6 59.0 88.4

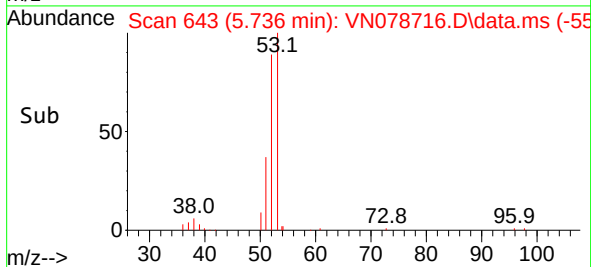
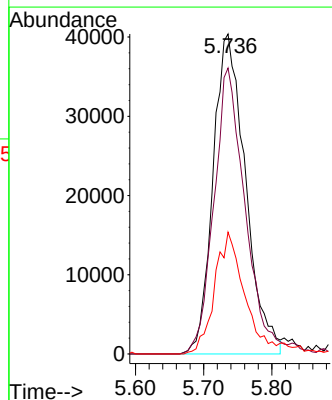
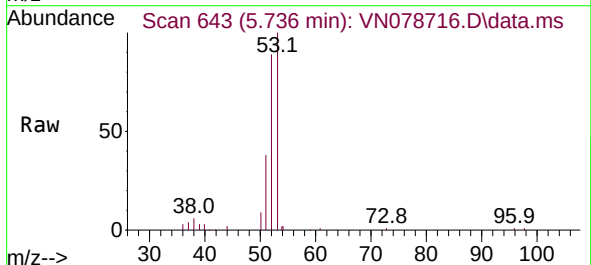
Manual Integrations
APPROVED

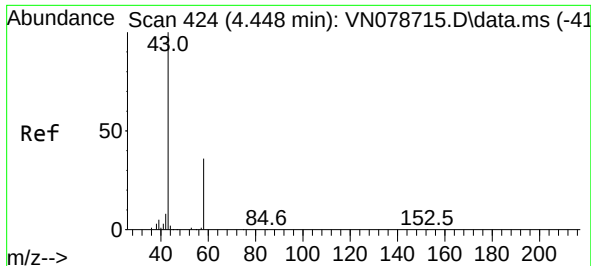
Reviewed By :John Carlone 08/02/2023
Supervised By :Mahesh Dadoda 08/02/2023



#14
Acrylonitrile
Concen: 64.259 ug/l
RT: 5.736 min Scan# 643
Delta R.T. -0.000 min
Lab File: VN078716.D
Acq: 01 Aug 2023 14:35

Tgt Ion: 53 Resp: 133337
Ion Ratio Lower Upper
53 100
52 85.9 42.3 126.9
51 34.8 18.4 55.4





#15

Acetone

Concen: 61.859 ug/l

RT: 4.448 min Scan# 41

Delta R.T. -0.000 min

Lab File: VN078716.D

Acq: 01 Aug 2023 14:35

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC010

Tgt Ion: 58 Resp: 38362

Ion Ratio Lower Upper

58 100

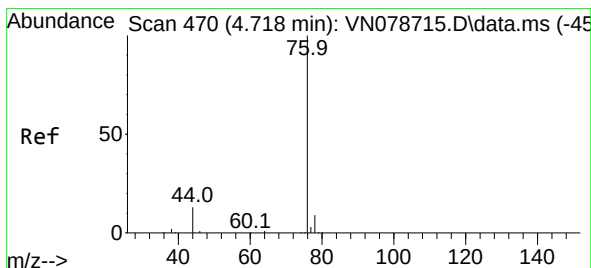
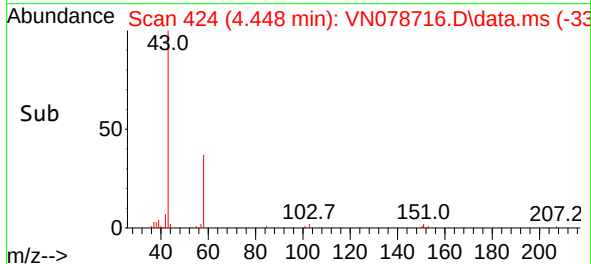
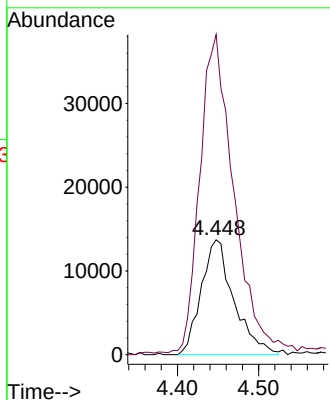
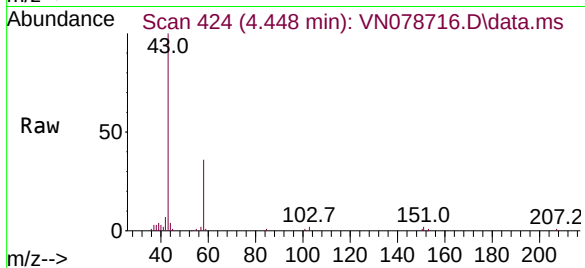
43 280.0 227.5 341.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 08/02/2023

Supervised By :Mahesh Dadoda 08/02/2023



#16

Carbon Disulfide

Concen: 11.609 ug/l

RT: 4.724 min Scan# 471

Delta R.T. 0.006 min

Lab File: VN078716.D

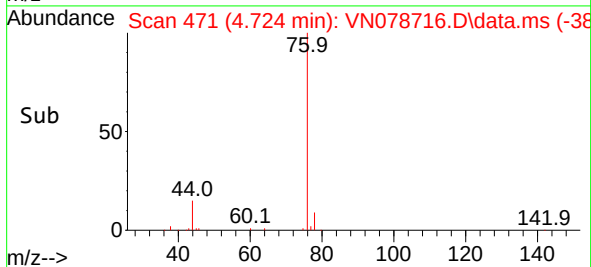
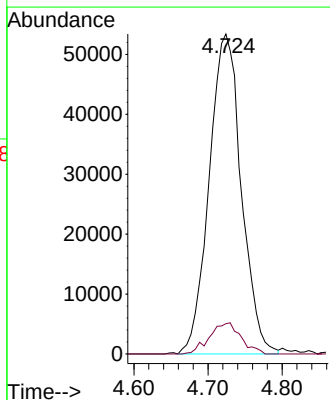
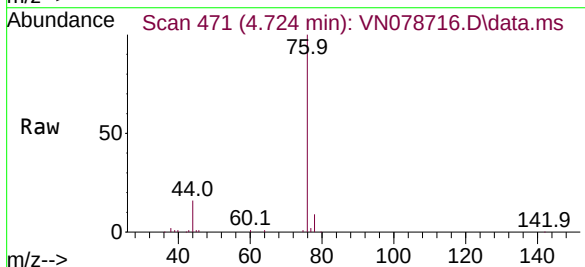
Acq: 01 Aug 2023 14:35

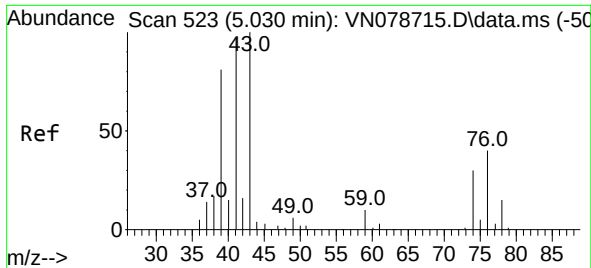
Tgt Ion: 76 Resp: 160800

Ion Ratio Lower Upper

76 100

78 9.4 7.7 11.5





#17

Allyl chloride

Concen: 10.789 ug/l

RT: 5.036 min Scan# 51

Delta R.T. 0.006 min

Lab File: VN078716.D

Acq: 01 Aug 2023 14:35

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC010

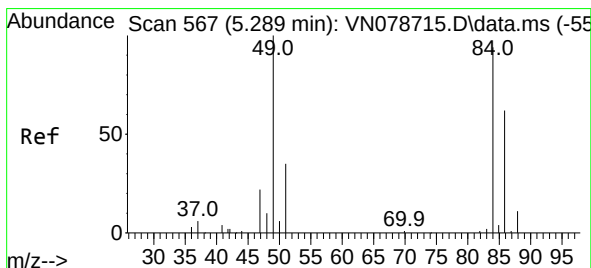
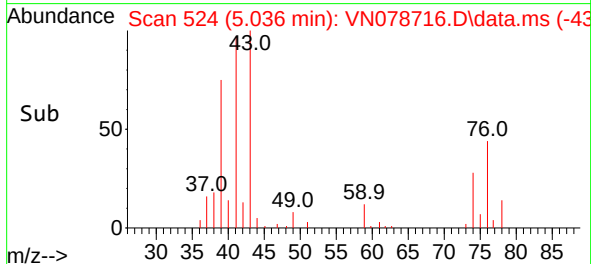
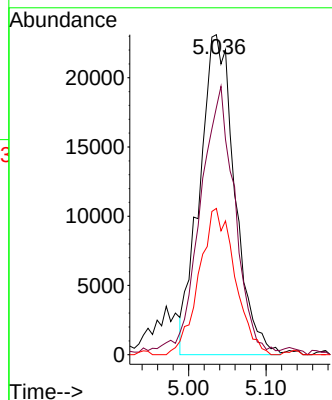
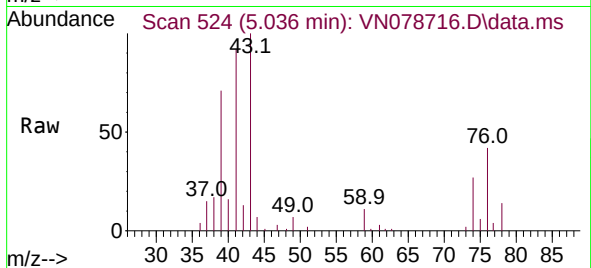
Tgt Ion:	41	Resp:	7287
Ion	Ratio	Lower	Upper
41	100		
39	76.3	37.6	112.8
76	46.0	23.8	71.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 08/02/2023

Supervised By :Mahesh Dadoda 08/02/2023



#18

Methylene Chloride

Concen: 13.552 ug/l

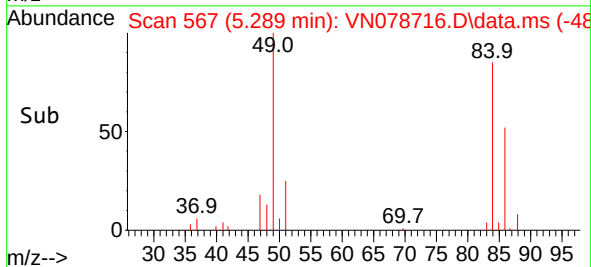
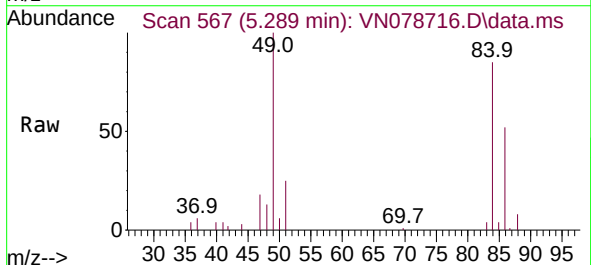
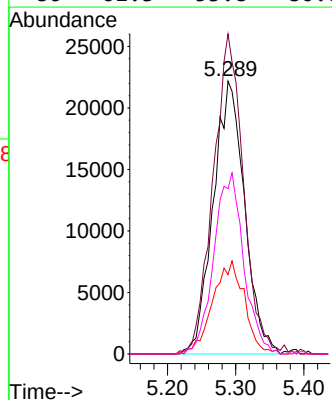
RT: 5.289 min Scan# 567

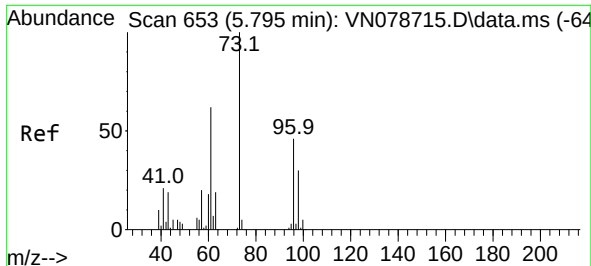
Delta R.T. -0.000 min

Lab File: VN078716.D

Acq: 01 Aug 2023 14:35

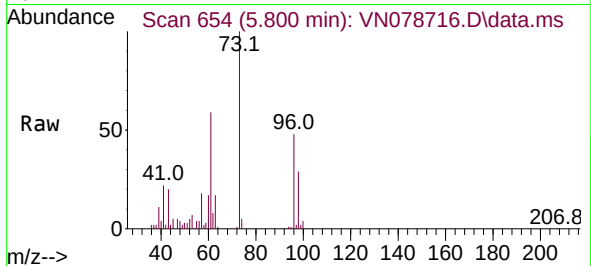
Tgt Ion:	84	Resp:	70985
Ion	Ratio	Lower	Upper
84	100		
49	116.1	88.1	132.1
51	29.1	24.0	36.0
86	61.3	53.8	80.8





#19
trans-1,2-Dichloroethene
Concen: 11.577 ug/l
RT: 5.800 min Scan# 61
Delta R.T. 0.005 min
Lab File: VN078716.D
Acq: 01 Aug 2023 14:35

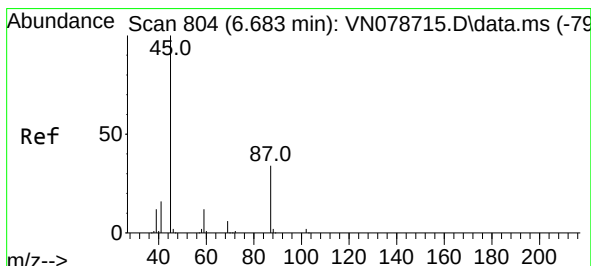
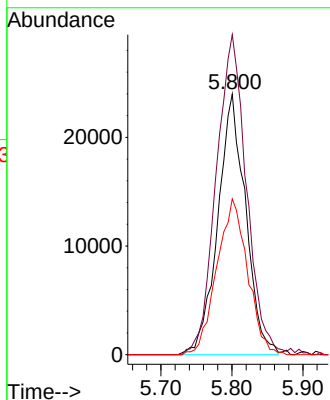
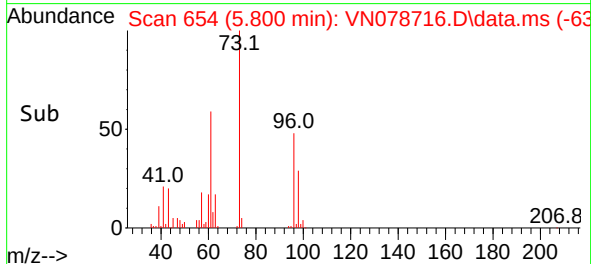
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC010



Tgt Ion: 96 Resp: 6538
Ion Ratio Lower Upper
96 100
61 122.7 105.2 157.8
98 59.8 50.5 75.7

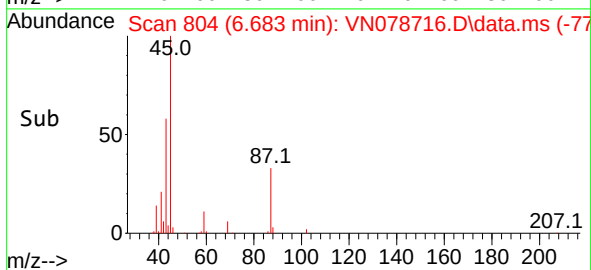
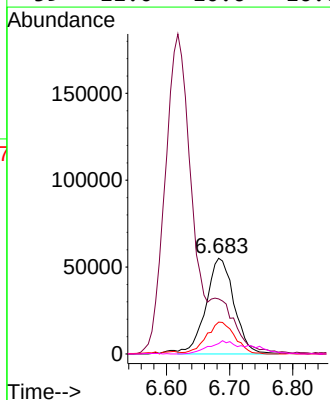
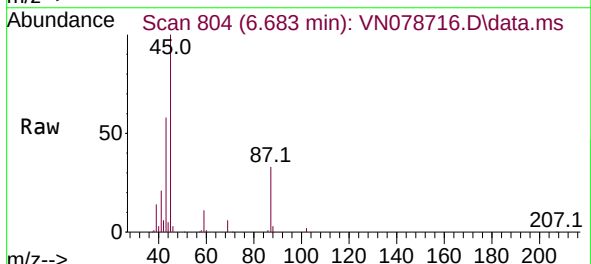
Manual Integrations
APPROVED

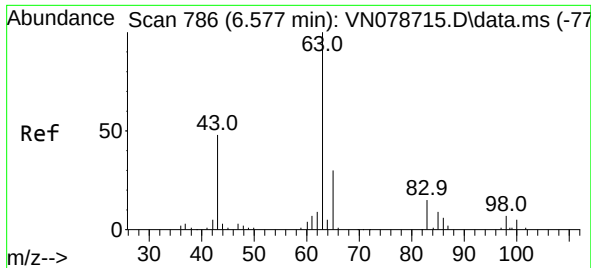
Reviewed By :John Carlone 08/02/2023
Supervised By :Mahesh Dadoda 08/02/2023



#20
Diisopropyl ether
Concen: 11.451 ug/l
RT: 6.683 min Scan# 804
Delta R.T. -0.000 min
Lab File: VN078716.D
Acq: 01 Aug 2023 14:35

Tgt Ion: 45 Resp: 169505
Ion Ratio Lower Upper
45 100
43 56.2 43.6 65.4
87 33.5 25.8 38.6
59 11.0 10.6 16.0





#21

1,1-Dichloroethane

Concen: 11.808 ug/l

RT: 6.583 min Scan# 716

Delta R.T. 0.006 min

Lab File: VN078716.D

Acq: 01 Aug 2023 14:35

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC010

Tgt Ion: 63 Resp: 11664

Ion Ratio Lower Upper

63 100

98 7.8 2.7 8.1

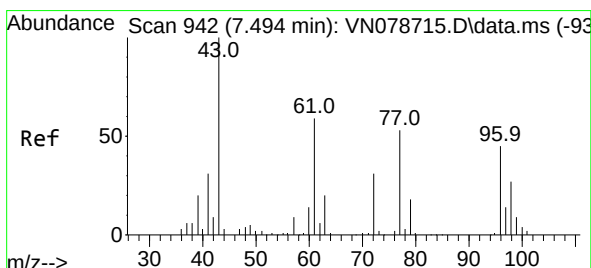
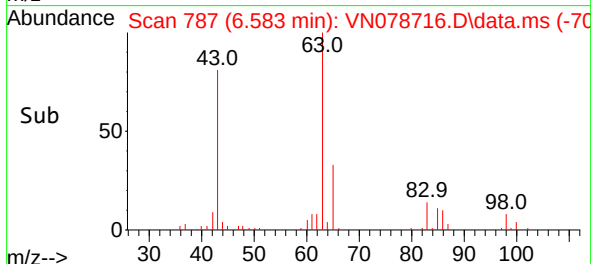
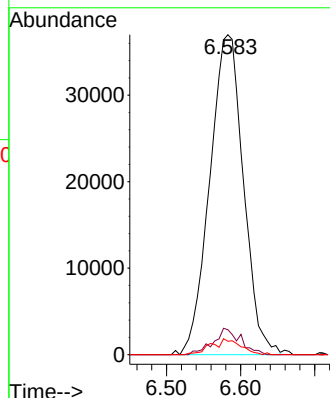
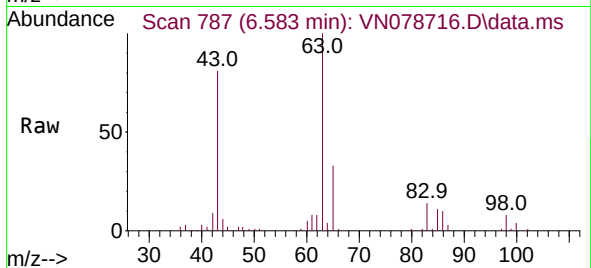
100 4.2 2.5 7.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 08/02/2023

Supervised By :Mahesh Dadoda 08/02/2023



#22

cis-1,2-Dichloroethene

Concen: 11.945 ug/l

RT: 7.500 min Scan# 943

Delta R.T. 0.006 min

Lab File: VN078716.D

Acq: 01 Aug 2023 14:35

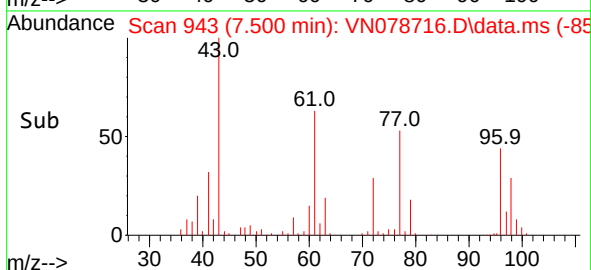
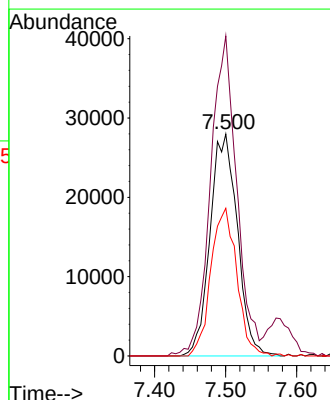
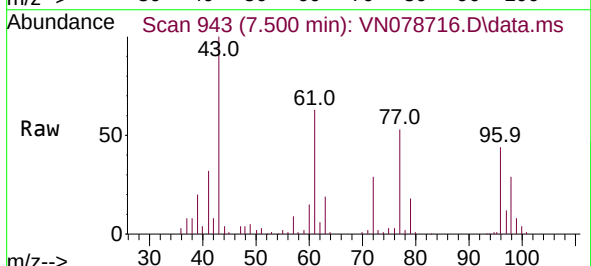
Tgt Ion: 96 Resp: 74911

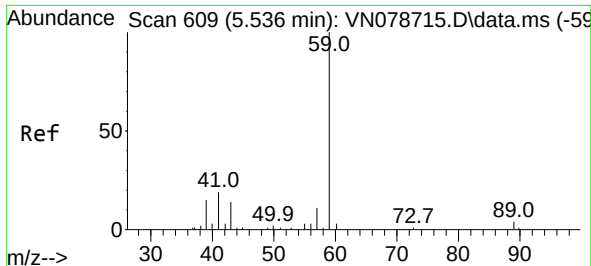
Ion Ratio Lower Upper

96 100

61 137.5 113.8 170.6

98 63.1 52.2 78.4





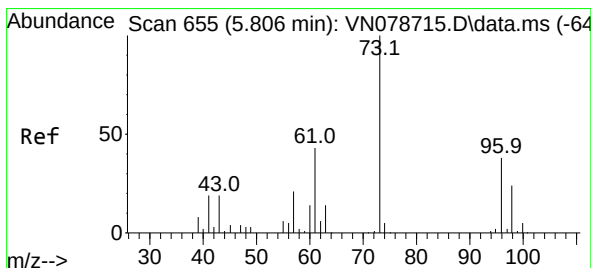
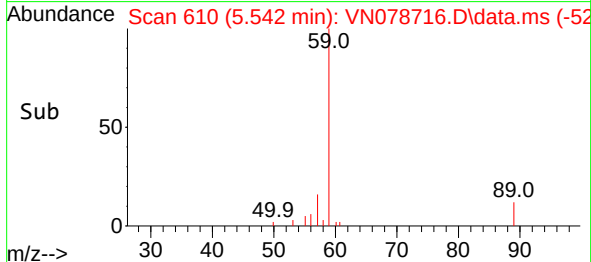
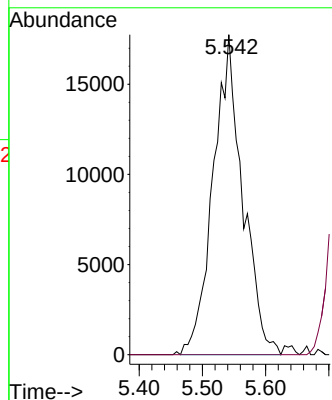
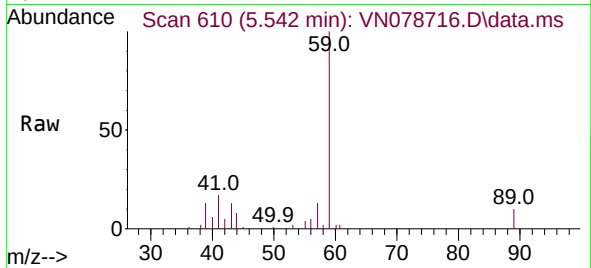
#23
tert-Butyl Alcohol
Concen: 60.674 ug/l m
RT: 5.542 min Scan# 610
Delta R.T. 0.006 min
Lab File: VN078716.D
Acq: 01 Aug 2023 14:35

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC010

Tgt Ion: 59 Resp: 57600
Ion Ratio Lower Upper
59 100
52 0.0 0.1 0.1

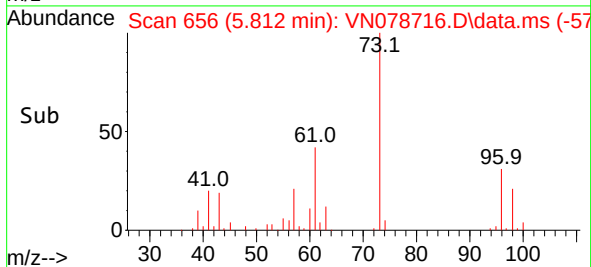
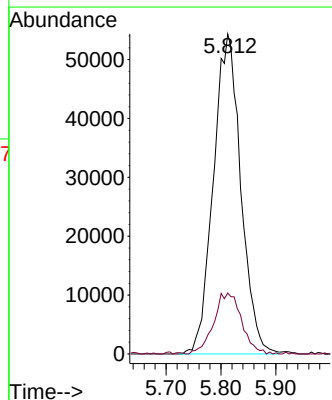
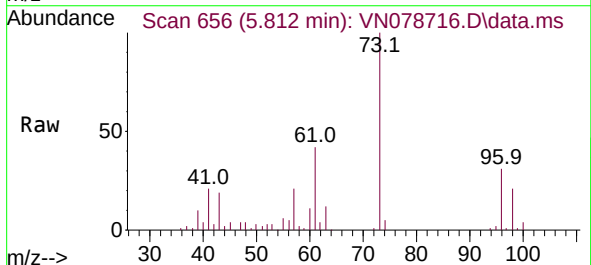
Manual Integrations
APPROVED

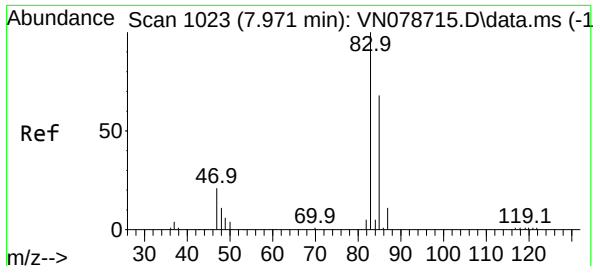
Reviewed By :John Carlone 08/02/2023
Supervised By :Mahesh Dadoda 08/02/2023



#24
Methyl tert-Butyl Ether
Concen: 11.547 ug/l m
RT: 5.812 min Scan# 656
Delta R.T. 0.006 min
Lab File: VN078716.D
Acq: 01 Aug 2023 14:35

Tgt Ion: 73 Resp: 188658
Ion Ratio Lower Upper
73 100
43 0.1 14.5 21.7





#25

Chloroform

Concen: 12.190 ug/l

RT: 7.971 min Scan# 1023

Delta R.T. -0.000 min

Lab File: VN078716.D

Acq: 01 Aug 2023 14:35

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC010

Tgt Ion: 83 Resp: 12576

Ion Ratio Lower Upper

83 100

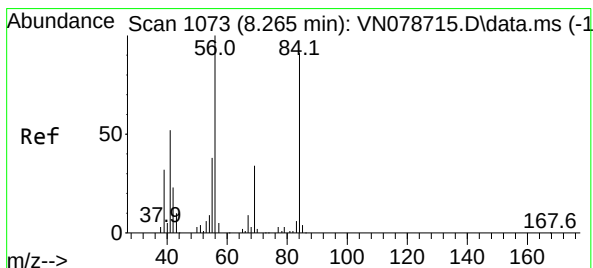
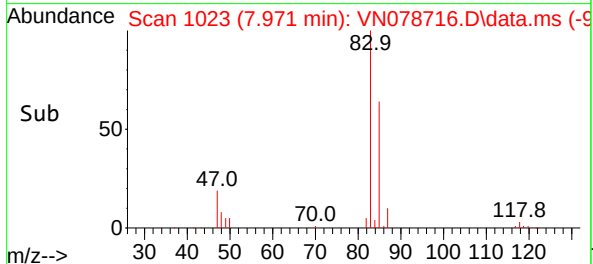
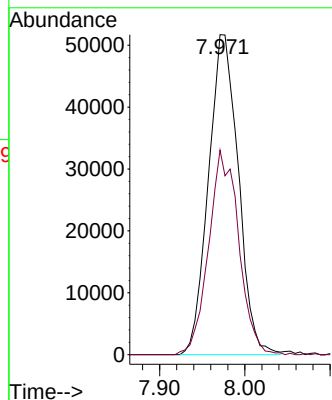
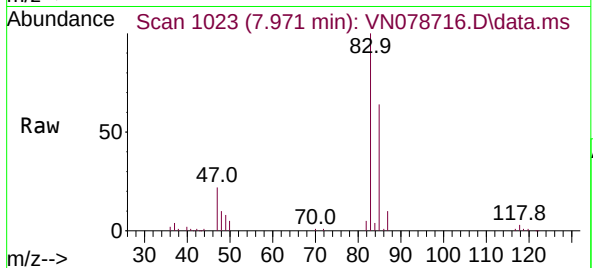
85 63.3 53.4 80.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 08/02/2023

Supervised By :Mahesh Dadoda 08/02/2023



#26

Cyclohexane

Concen: 11.946 ug/l

RT: 8.271 min Scan# 1074

Delta R.T. 0.006 min

Lab File: VN078716.D

Acq: 01 Aug 2023 14:35

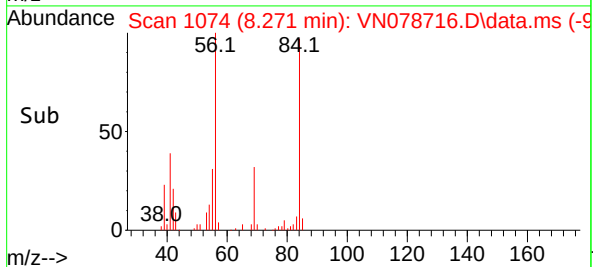
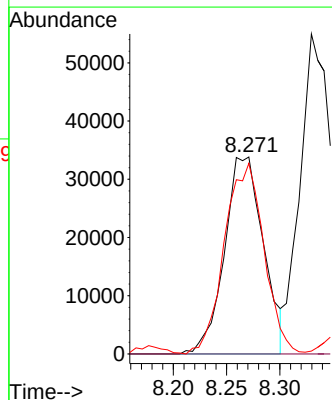
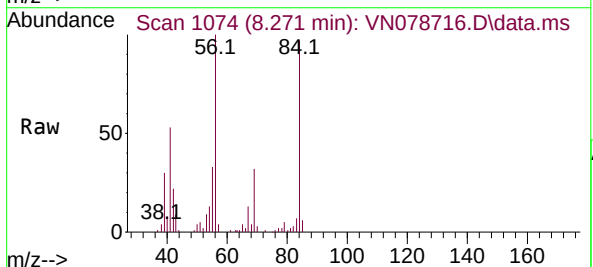
Tgt Ion: 56 Resp: 86114

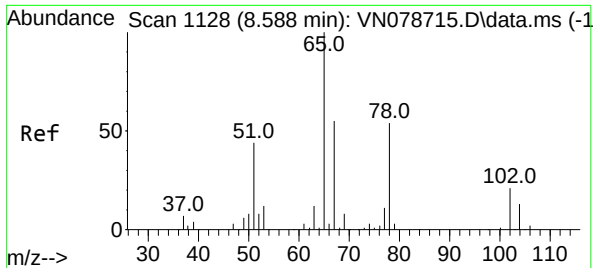
Ion Ratio Lower Upper

56 100

89 0.0 0.0 0.0

84 98.2 74.2 111.4





#27

1,2-Dichloroethane-d4

Concen: 31.139 ug/l

RT: 8.588 min Scan# 1128

Delta R.T. 0.000 min

Lab File: VN078716.D

Acq: 01 Aug 2023 14:35

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC010

Tgt Ion: 65 Resp: 238519

Ion Ratio Lower Upper

65 100

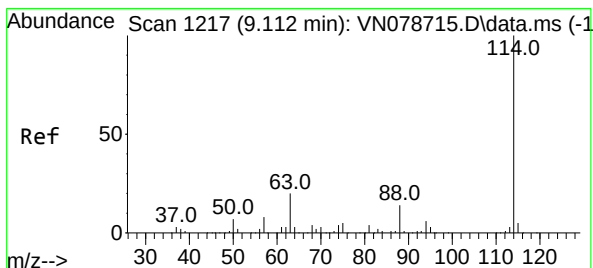
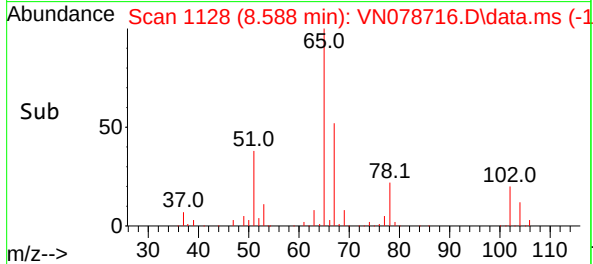
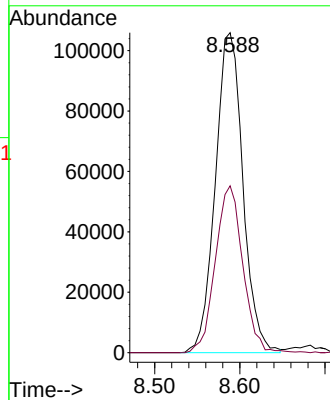
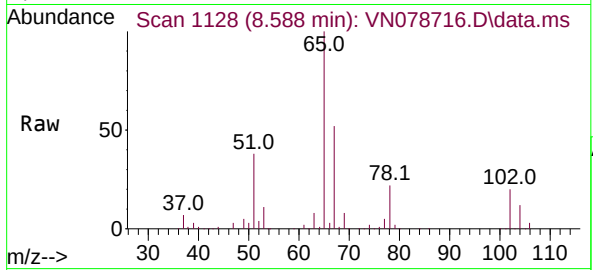
67 51.3 42.9 64.3

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: VN078716.D

Acq: 01 Aug 2023 14:35

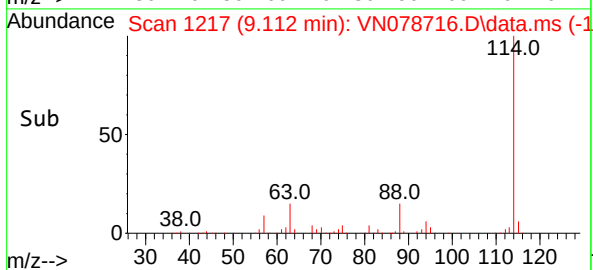
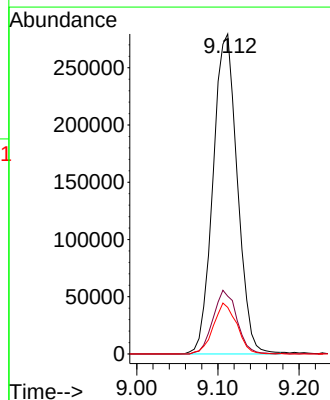
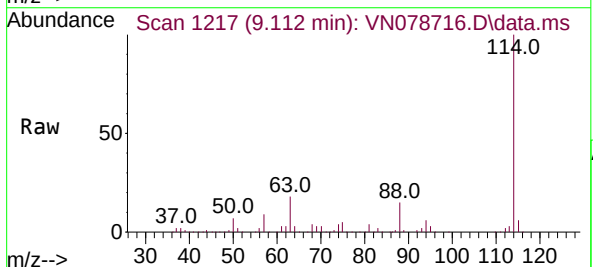
Tgt Ion:114 Resp: 582350

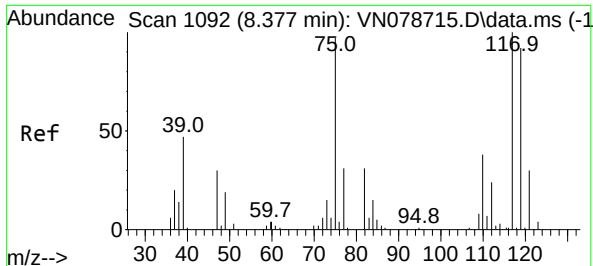
Ion Ratio Lower Upper

114 100

63 19.5 15.2 22.8

88 15.4 12.5 18.7





#29

1,1-Dichloropropene

Concen: 12.562 ug/l

RT: 8.383 min Scan# 1093

Delta R.T. 0.006 min

Lab File: VN078716.D

Acq: 01 Aug 2023 14:35

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC010

Tgt Ion: 75 Resp: 9034

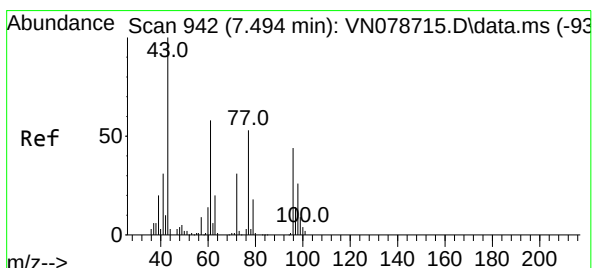
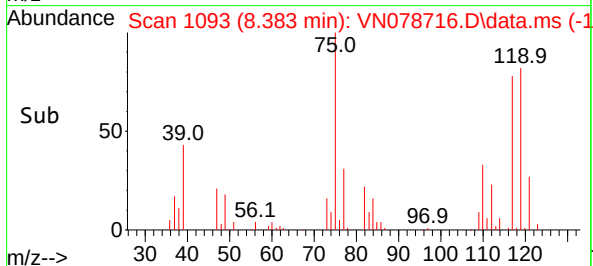
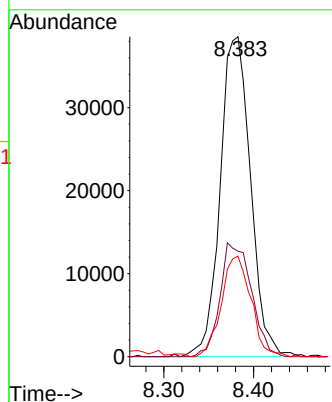
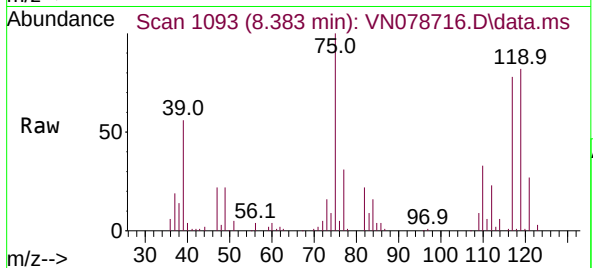
Ion	Ratio	Lower	Upper
75	100		
110	36.7	0.0	72.2
77	30.7	0.0	62.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 08/02/2023

Supervised By :Mahesh Dadoda 08/02/2023



#30

2-Butanone

Concen: 60.062 ug/l

RT: 7.494 min Scan# 942

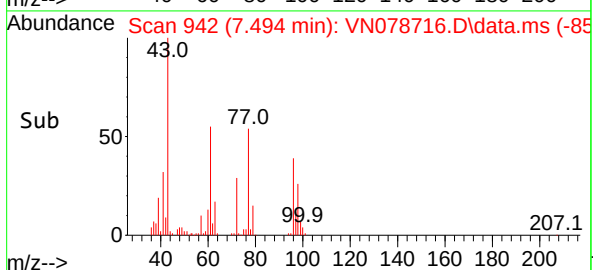
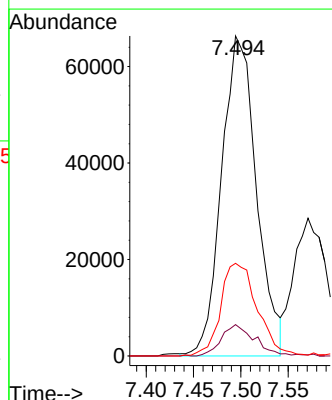
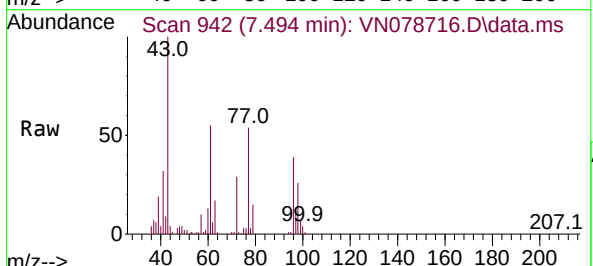
Delta R.T. 0.000 min

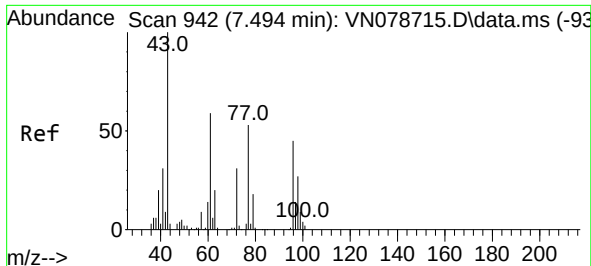
Lab File: VN078716.D

Acq: 01 Aug 2023 14:35

Tgt Ion: 43 Resp: 170085

Ion	Ratio	Lower	Upper
43	100		
57	9.3	6.8	10.2
72	30.3	23.8	35.6





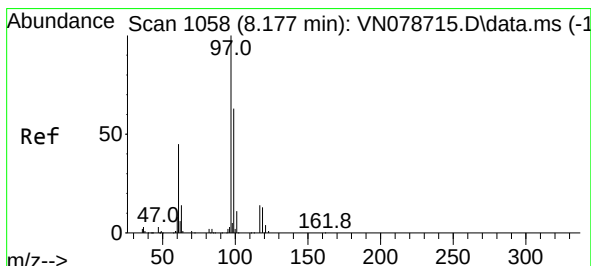
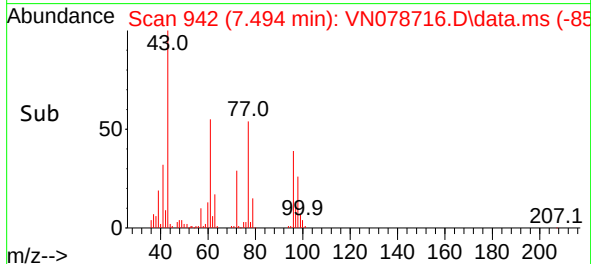
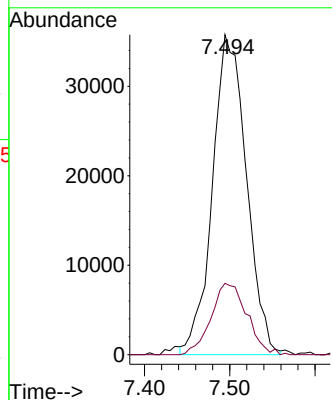
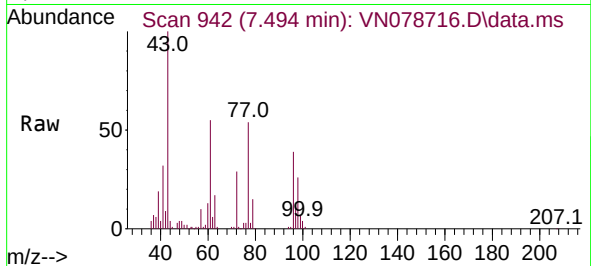
#31
2,2-Dichloropropane
Concen: 12.054 ug/l
RT: 7.494 min Scan# 942
Delta R.T. 0.000 min
Lab File: VN078716.D
Acq: 01 Aug 2023 14:35

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Tgt Ion: 77 Resp: 9908
Ion Ratio Lower Upper
77 100
97 23.3 18.8 28.2

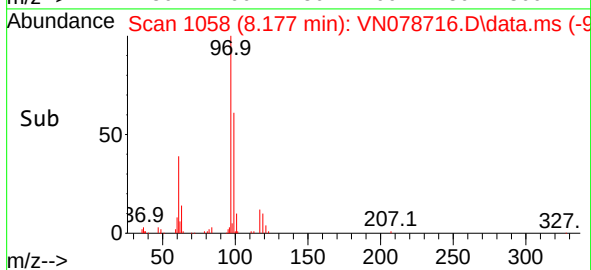
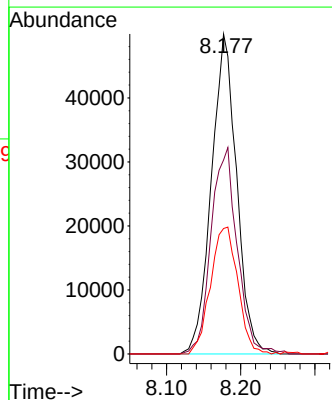
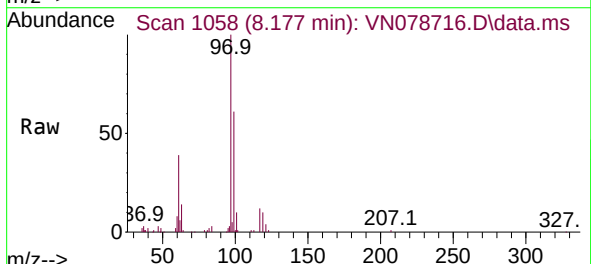
Manual Integrations
APPROVED

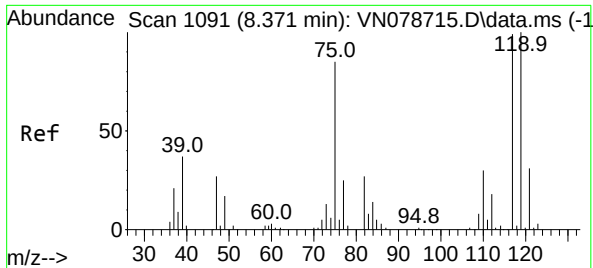
Reviewed By :John Carlone 08/02/2023
Supervised By :Mahesh Dadoda 08/02/2023



#32
1,1,1-Trichloroethane
Concen: 12.872 ug/l
RT: 8.177 min Scan# 1058
Delta R.T. -0.000 min
Lab File: VN078716.D
Acq: 01 Aug 2023 14:35

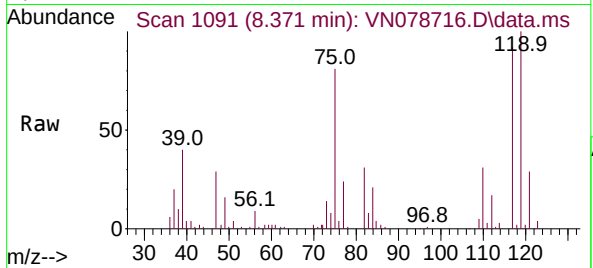
Tgt Ion: 97 Resp: 118329
Ion Ratio Lower Upper
97 100
99 66.3 51.3 76.9
61 42.9 34.6 52.0





#33
Carbon Tetrachloride
Concen: 12.374 ug/l
RT: 8.371 min Scan# 1091
Delta R.T. -0.000 min
Lab File: VN078716.D
Acq: 01 Aug 2023 14:35

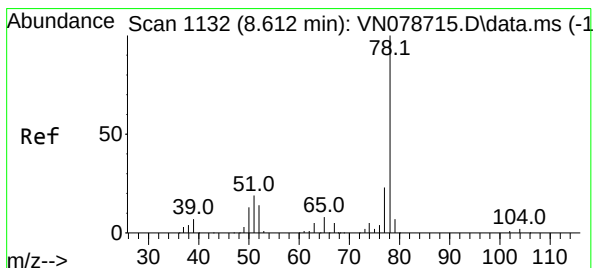
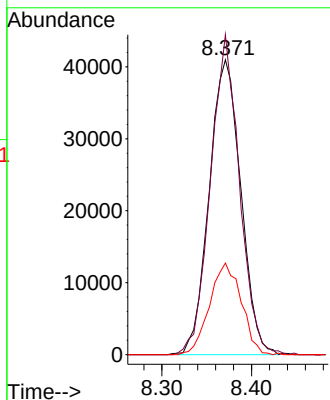
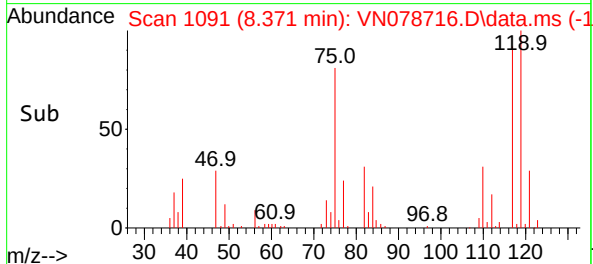
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC010



Tgt Ion:117 Resp: 10024
Ion Ratio Lower Upper
117 100
119 107.9 81.4 122.0
121 31.1 23.6 35.4

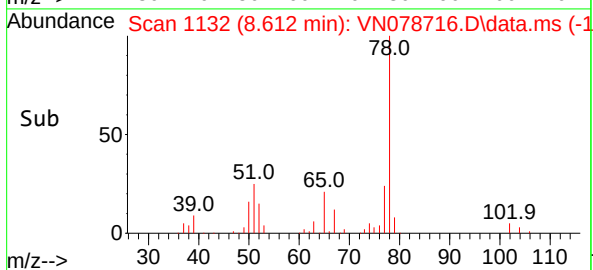
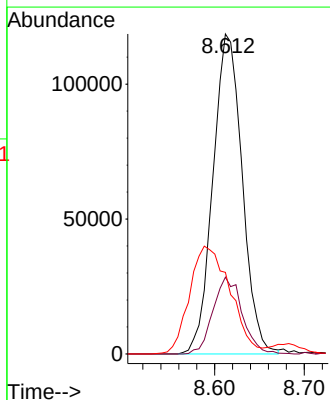
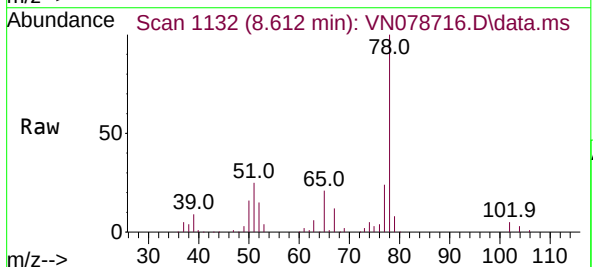
Manual Integrations
APPROVED

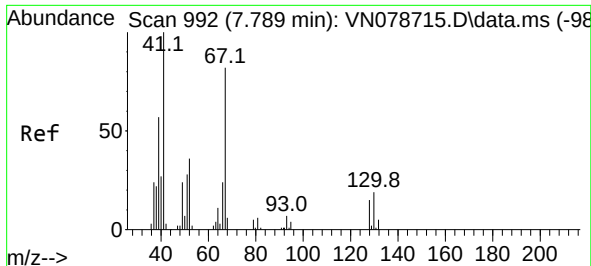
Reviewed By :John Carlone 08/02/2023
Supervised By :Mahesh Dadoda 08/02/2023



#34
Benzene
Concen: 12.408 ug/l
RT: 8.612 min Scan# 1132
Delta R.T. -0.000 min
Lab File: VN078716.D
Acq: 01 Aug 2023 14:35

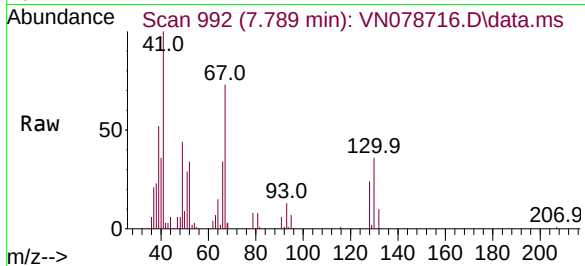
Tgt Ion: 78 Resp: 268993
Ion Ratio Lower Upper
78 100
77 24.0 18.3 27.5
51 22.5 13.7 20.5#





#35
Methacrylonitrile
Concen: 11.842 ug/l
RT: 7.789 min Scan# 992
Delta R.T. -0.000 min
Lab File: VN078716.D
Acq: 01 Aug 2023 14:35

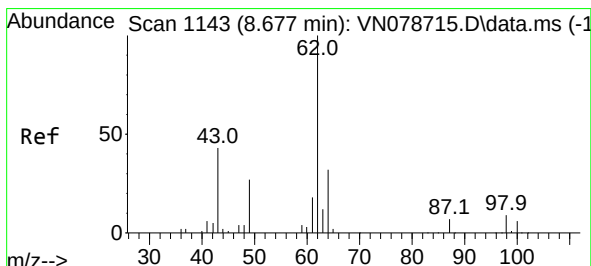
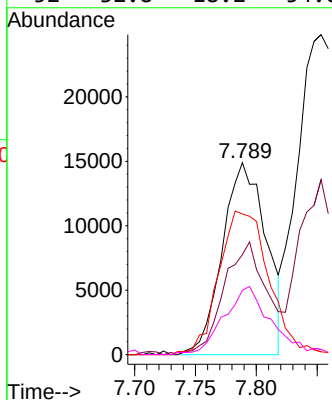
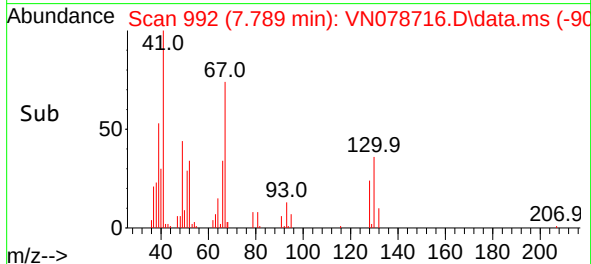
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC010



Tgt Ion	Ratio	Lower	Upper
41	100		
39	52.7	33.9	101.6
67	72.6	45.9	137.6
52	32.8	18.2	54.6

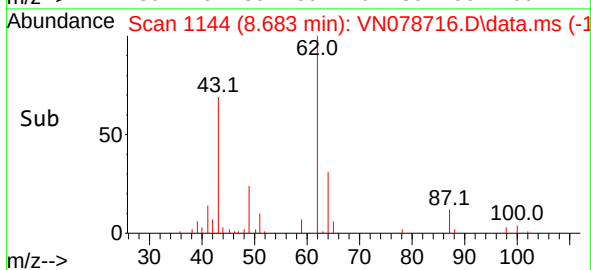
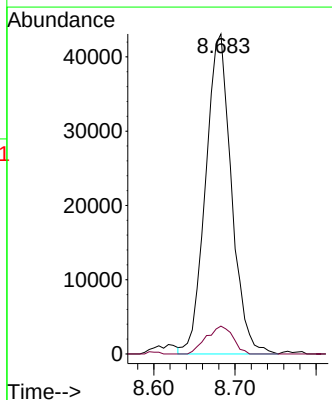
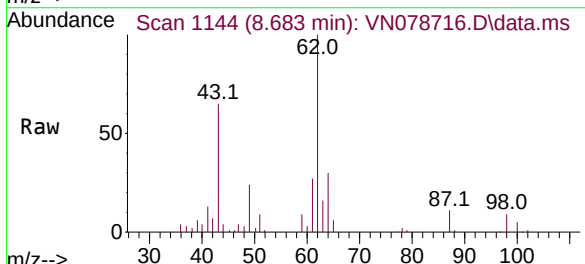
Manual Integrations
APPROVED

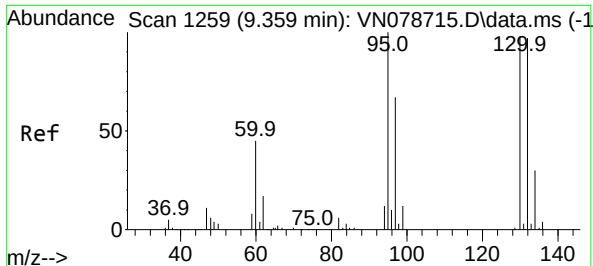
Reviewed By :John Carlone 08/02/2023
Supervised By :Mahesh Dadoda 08/02/2023



#36
1,2-Dichloroethane
Concen: 12.437 ug/l
RT: 8.683 min Scan# 1144
Delta R.T. 0.006 min
Lab File: VN078716.D
Acq: 01 Aug 2023 14:35

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.0	7.4	11.0





#37

Trichloroethene

Concen: 11.824 ug/l

RT: 9.359 min Scan# 1259

Delta R.T. 0.000 min

Lab File: VN078716.D

Acq: 01 Aug 2023 14:35

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC010

Tgt Ion:130 Resp: 7061

Ion Ratio Lower Upper

130 100

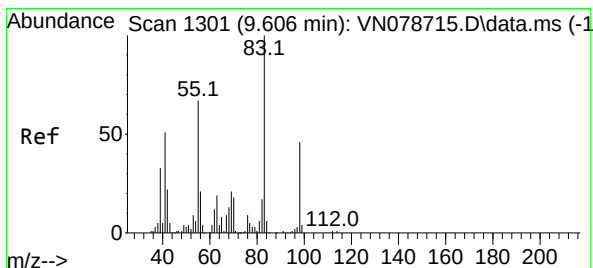
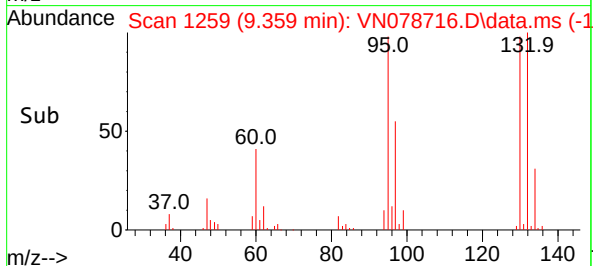
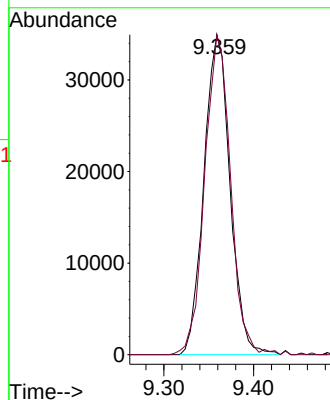
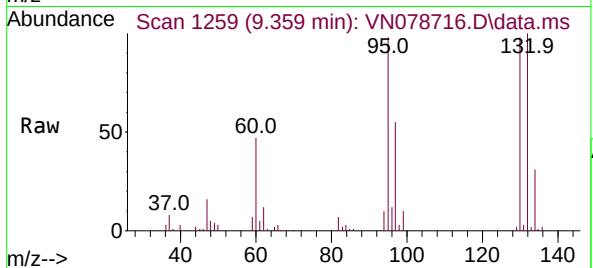
95 99.9 78.2 117.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 08/02/2023

Supervised By :Mahesh Dadoda 08/02/2023



#38

Methylcyclohexane

Concen: 11.595 ug/l

RT: 9.612 min Scan# 1302

Delta R.T. 0.006 min

Lab File: VN078716.D

Acq: 01 Aug 2023 14:35

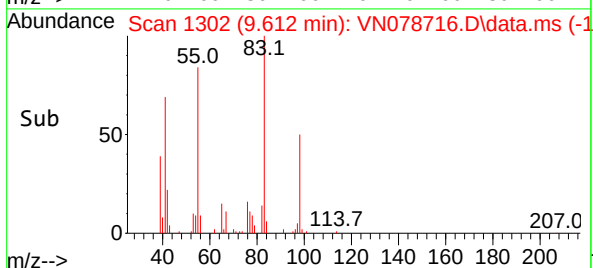
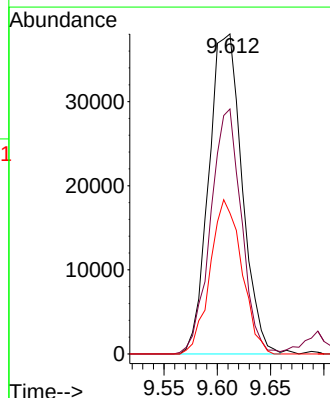
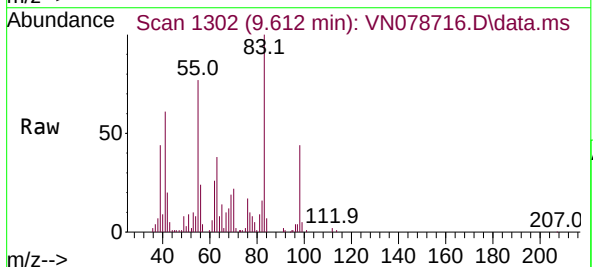
Tgt Ion: 83 Resp: 82778

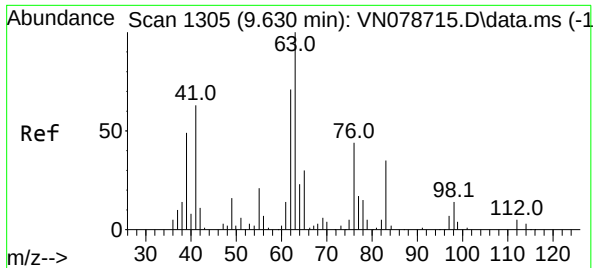
Ion Ratio Lower Upper

83 100

55 71.0 34.0 102.0

98 45.9 23.0 69.0





#39

1,2-Dichloropropane

Concen: 12.142 ug/l

RT: 9.630 min Scan# 11

Delta R.T. -0.000 min

Lab File: VN078716.D

Acq: 01 Aug 2023 14:35

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC010

Tgt Ion: 63 Resp: 6907

Ion Ratio Lower Upper

63 100

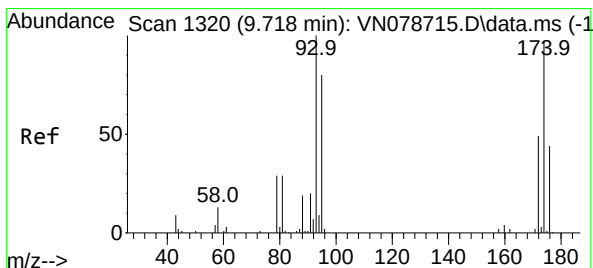
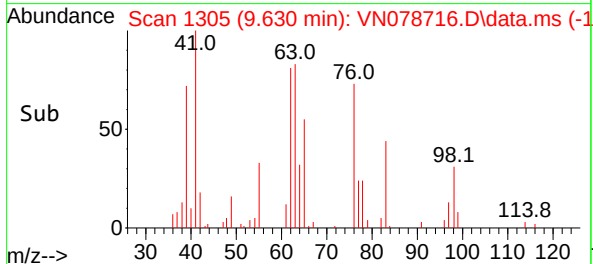
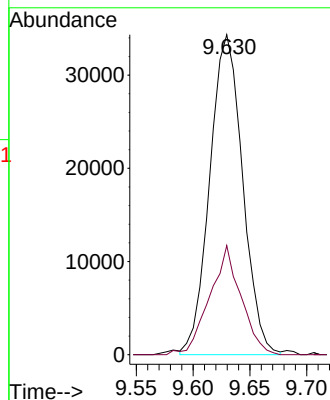
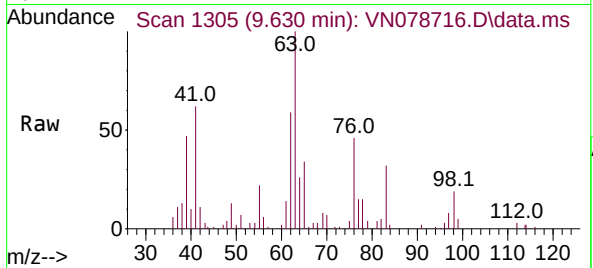
65 34.4 27.4 41.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 08/02/2023

Supervised By :Mahesh Dadoda 08/02/2023



#40

Dibromomethane

Concen: 12.225 ug/l

RT: 9.718 min Scan# 1320

Delta R.T. -0.000 min

Lab File: VN078716.D

Acq: 01 Aug 2023 14:35

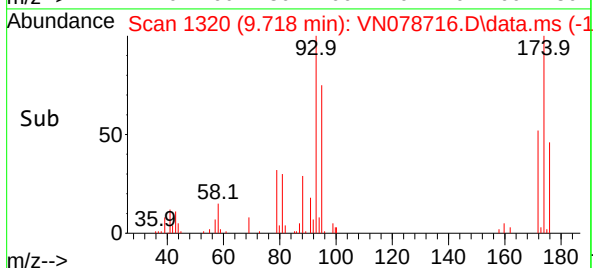
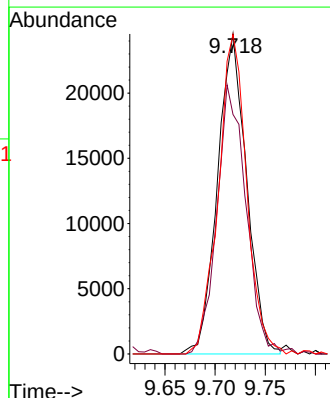
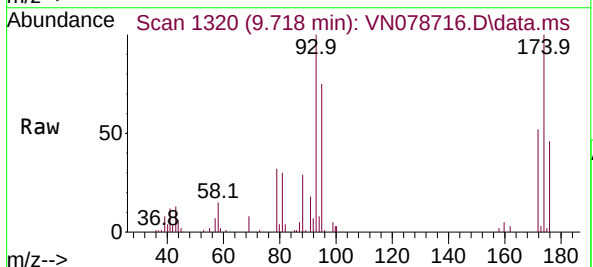
Tgt Ion: 93 Resp: 49317

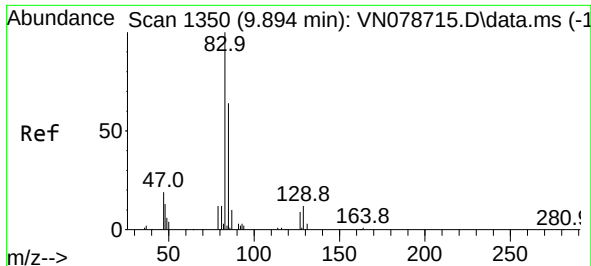
Ion Ratio Lower Upper

93 100

95 83.9 0.0 167.8

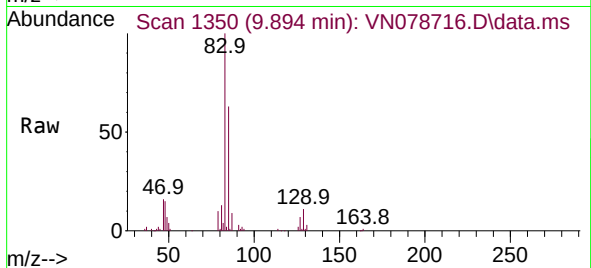
174 97.7 0.0 180.8





#41
Bromodichloromethane
Concen: 12.061 ug/l
RT: 9.894 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN078716.D
Acq: 01 Aug 2023 14:35

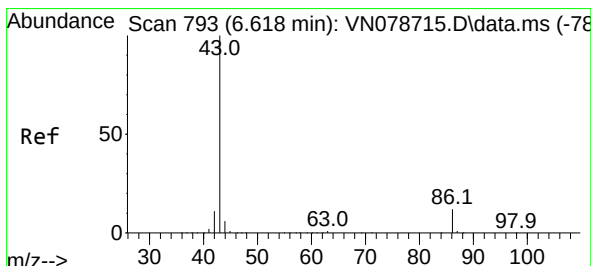
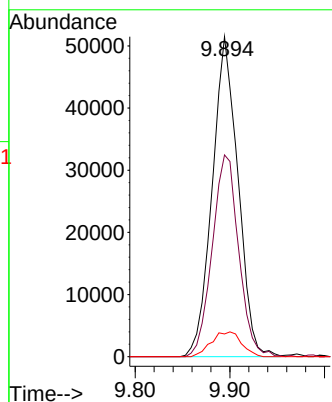
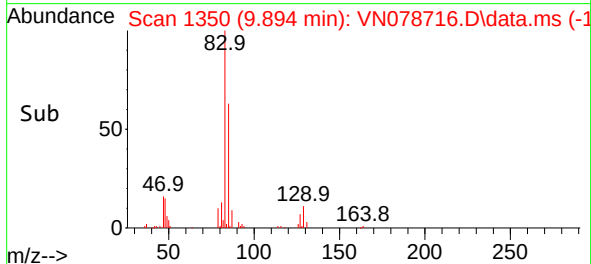
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010



Tgt Ion: 83 Resp: 9737
Ion Ratio Lower Upper
83 100
85 63.1 54.1 81.1
127 7.1 7.8 11.6

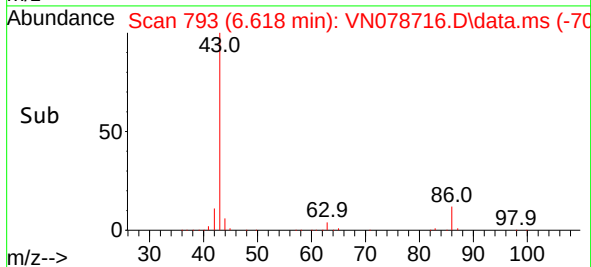
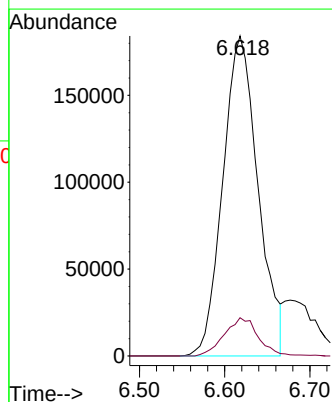
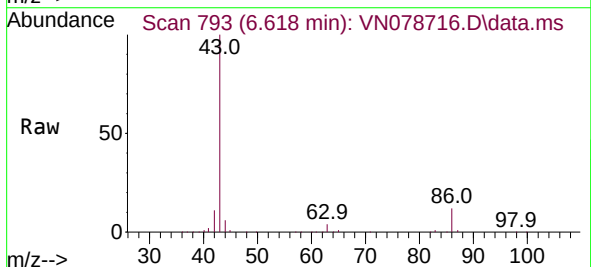
Manual Integrations
APPROVED

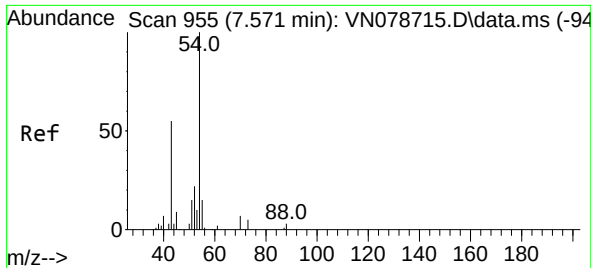
Reviewed By :John Carlone 08/02/2023
Supervised By :Mahesh Dadoda 08/02/2023



#42
Vinyl Acetate
Concen: 55.838 ug/l
RT: 6.618 min Scan# 793
Delta R.T. 0.000 min
Lab File: VN078716.D
Acq: 01 Aug 2023 14:35

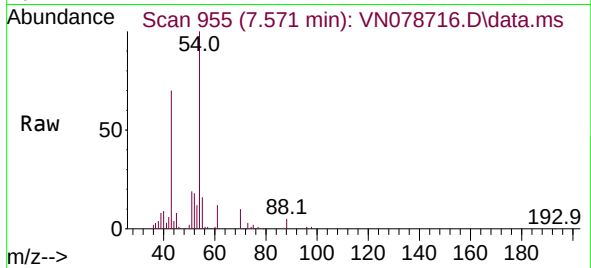
Tgt Ion: 43 Resp: 529609
Ion Ratio Lower Upper
43 100
86 11.5 9.4 14.0





#43
Ethyl Acetate
Concen: 12.231 ug/l
RT: 7.571 min Scan# 955
Delta R.T. -0.000 min
Lab File: VN078716.D
Acq: 01 Aug 2023 14:35

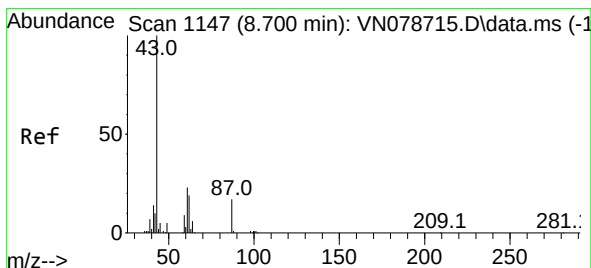
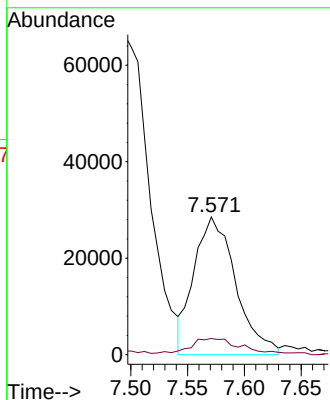
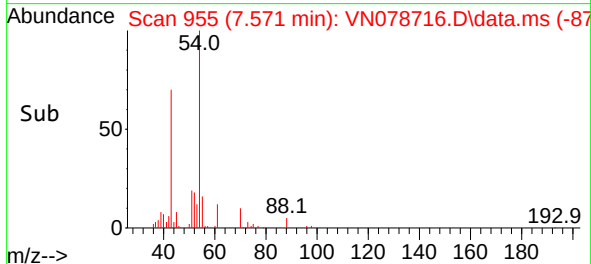
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010



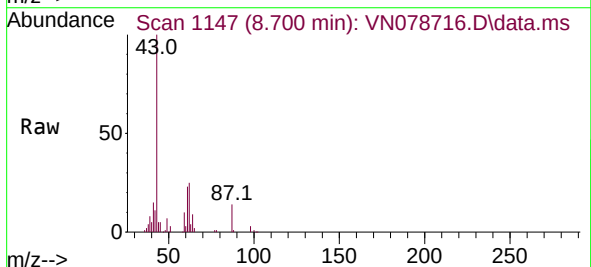
Tgt Ion: 43 Resp: 73020
Ion Ratio Lower Upper
43 100
45 4.3 10.9 16.3

Manual Integrations
APPROVED

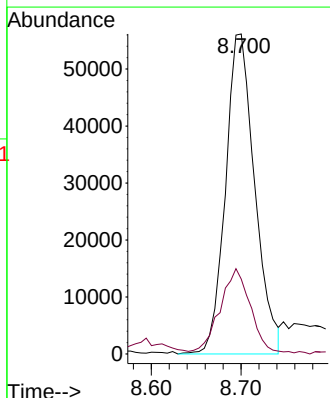
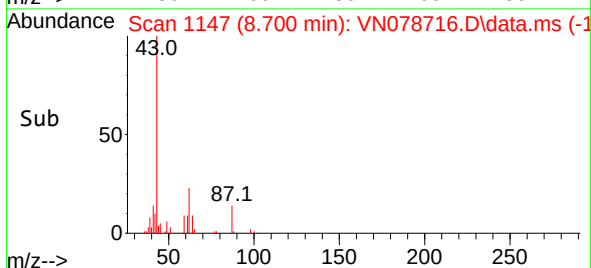
Reviewed By :John Carlone 08/02/2023
Supervised By :Mahesh Dadoda 08/02/2023

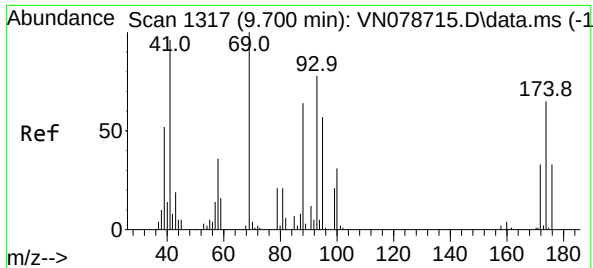


#44
Isopropyl Acetate
Concen: 12.174 ug/l
RT: 8.700 min Scan# 1147
Delta R.T. 0.000 min
Lab File: VN078716.D
Acq: 01 Aug 2023 14:35



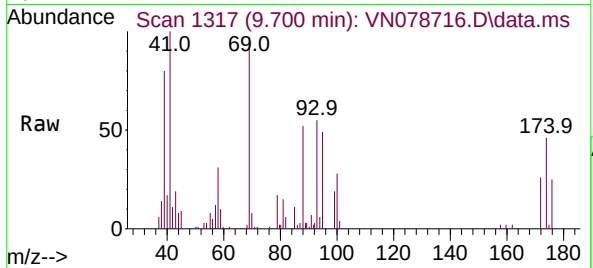
Tgt Ion: 43 Resp: 127175
Ion Ratio Lower Upper
43 100
61 28.2 23.0 34.6





#45
1,4-Dioxane
Concen: 243.102 ug/l
RT: 9.700 min Scan# 1317
Delta R.T. 0.000 min
Lab File: VN078716.D
Acq: 01 Aug 2023 14:35

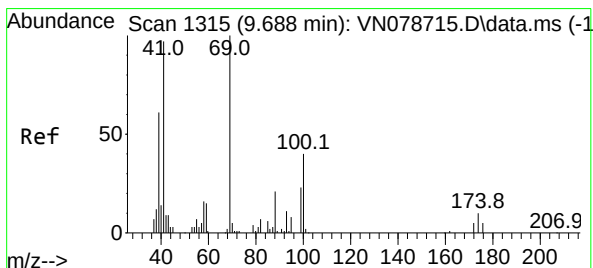
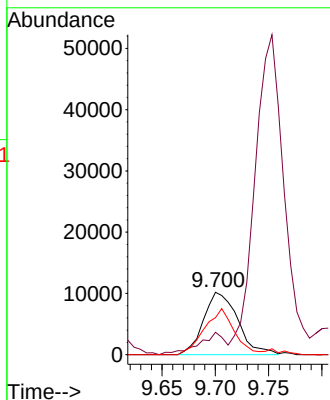
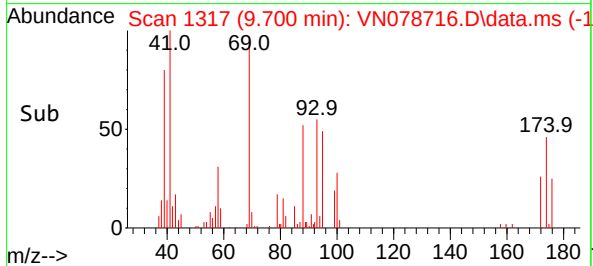
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC010



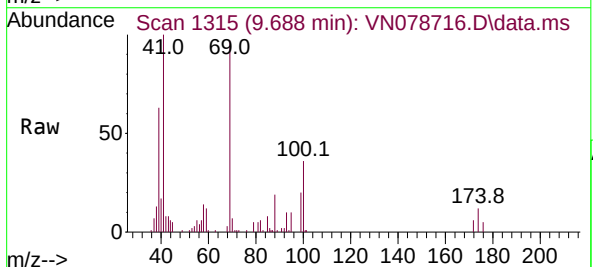
Tgt Ion: 88 Resp: 2280
Ion Ratio Lower Upper
88 100
43 27.0 19.0 28.6
58 64.0 48.2 72.2

Manual Integrations
APPROVED

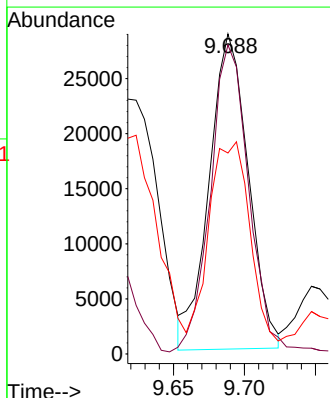
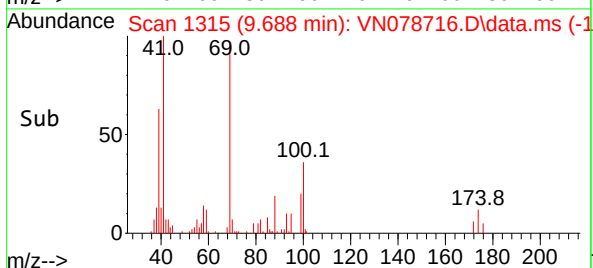
Reviewed By :John Carlone 08/02/2023
Supervised By :Mahesh Dadoda 08/02/2023

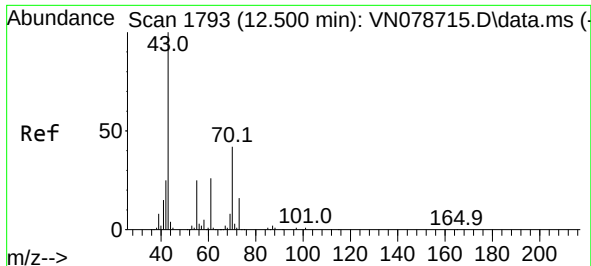


#46
Methyl methacrylate
Concen: 11.771 ug/l
RT: 9.688 min Scan# 1315
Delta R.T. 0.000 min
Lab File: VN078716.D
Acq: 01 Aug 2023 14:35



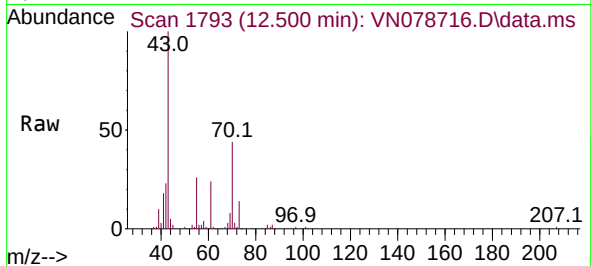
Tgt Ion: 41 Resp: 54900
Ion Ratio Lower Upper
41 100
69 100.6 49.0 147.0
39 62.6 31.6 94.8





#47
n-amyl acetate
Concen: 11.486 ug/l
RT: 12.500 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VN078716.D
Acq: 01 Aug 2023 14:35

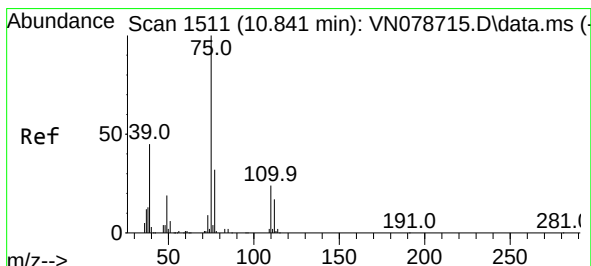
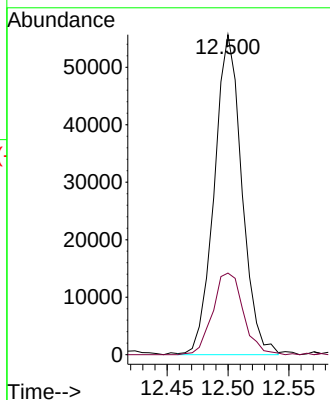
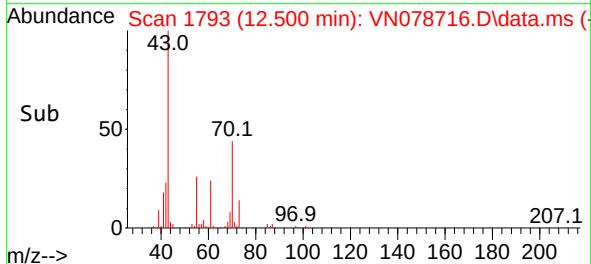
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC010



Tgt Ion: 43 Resp: 87779
Ion Ratio Lower Upper
43 100
55 28.2 21.5 32.3

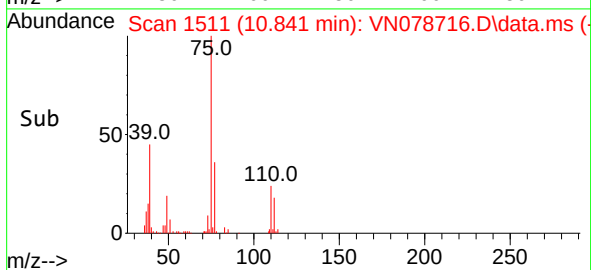
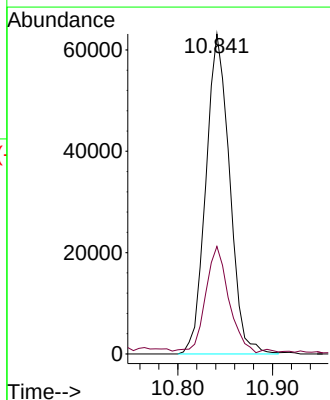
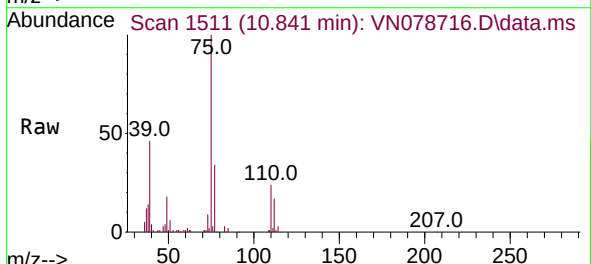
Manual Integrations
APPROVED

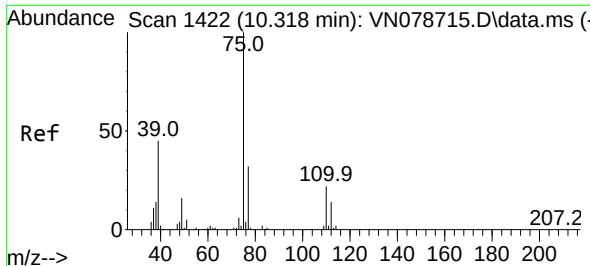
Reviewed By :John Carlone 08/02/2023
Supervised By :Mahesh Dadoda 08/02/2023



#48
t-1,3-Dichloropropene
Concen: 12.794 ug/l
RT: 10.841 min Scan# 1511
Delta R.T. 0.000 min
Lab File: VN078716.D
Acq: 01 Aug 2023 14:35

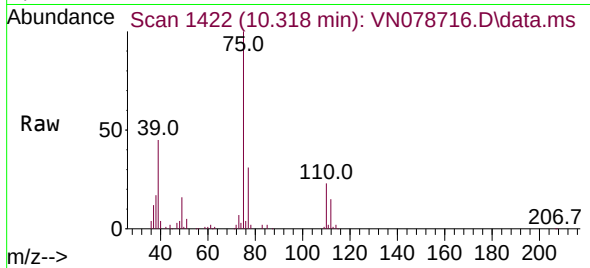
Tgt Ion: 75 Resp: 109700
Ion Ratio Lower Upper
75 100
77 33.0 26.1 39.1





#49
 cis-1,3-Dichloropropene
 Concen: 13.466 ug/l
 RT: 10.318 min Scan# 1422
 Delta R.T. -0.000 min
 Lab File: VN078716.D
 Acq: 01 Aug 2023 14:35

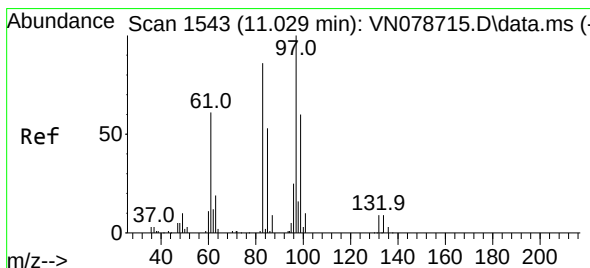
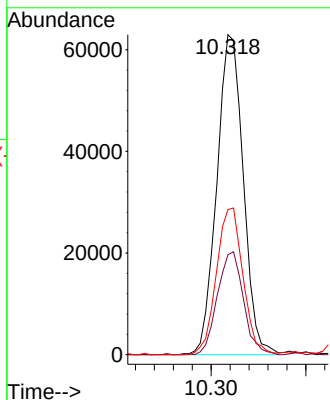
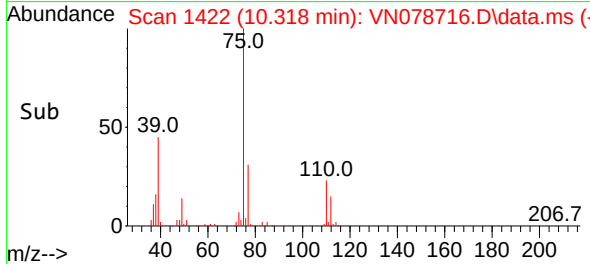
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC010



Tgt Ion: 75 Resp: 122348
 Ion Ratio Lower Upper
 75 100
 77 31.3 24.0 36.0
 39 45.4 35.1 52.7

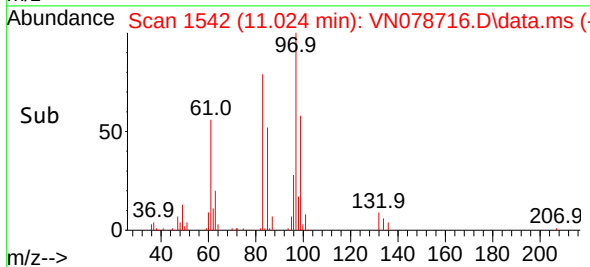
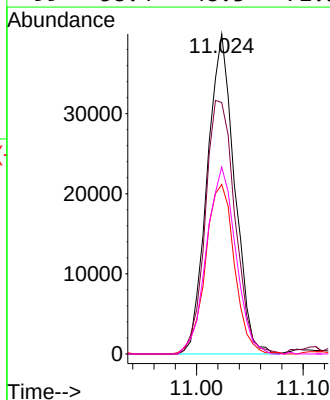
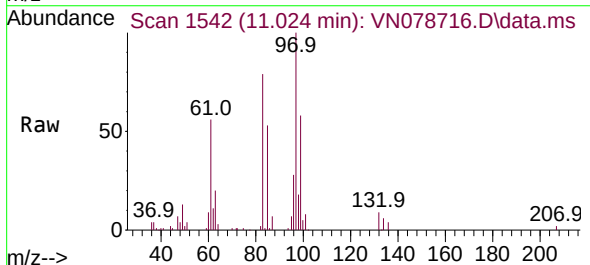
Manual Integrations
 APPROVED

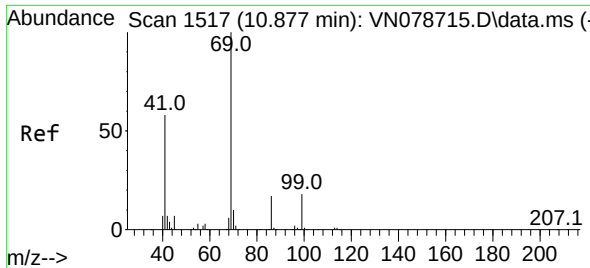
Reviewed By :John Carlone 08/02/2023
 Supervised By :Mahesh Dadoda 08/02/2023



#50
 1,1,2-Trichloroethane
 Concen: 12.286 ug/l
 RT: 11.024 min Scan# 1542
 Delta R.T. -0.005 min
 Lab File: VN078716.D
 Acq: 01 Aug 2023 14:35

Tgt Ion: 97 Resp: 71265
 Ion Ratio Lower Upper
 97 100
 83 78.5 66.8 100.2
 85 52.5 42.5 63.7
 99 58.4 48.3 72.5





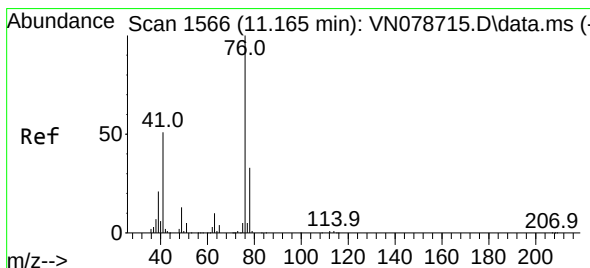
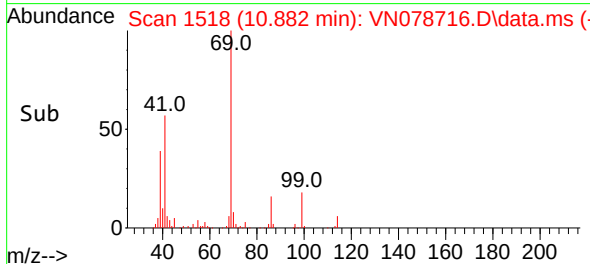
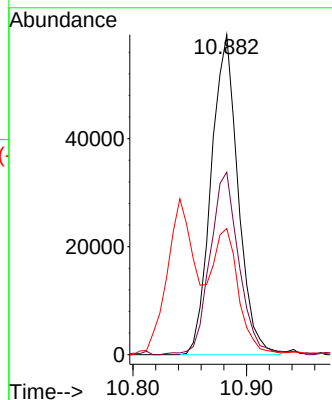
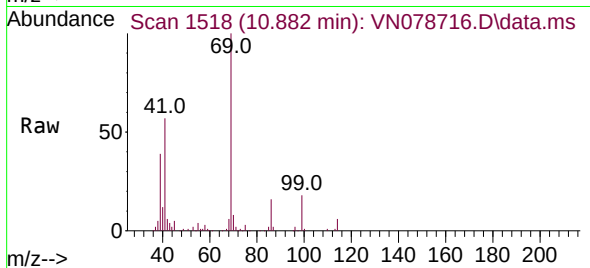
#51
Ethyl methacrylate
Concen: 12.563 ug/l
RT: 10.882 min Scan# 1518
Delta R.T. 0.005 min
Lab File: VN078716.D
Acq: 01 Aug 2023 14:35

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC010

Tgt Ion: 69 Resp: 97436
Ion Ratio Lower Upper
69 100
41 56.5 26.0 78.0
39 38.9 16.3 48.9

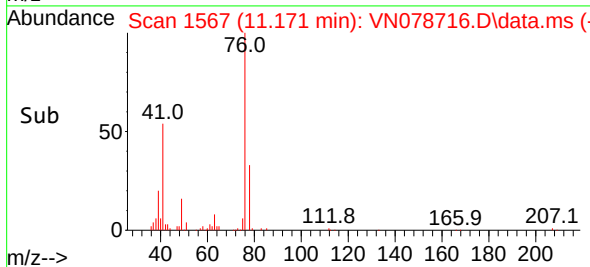
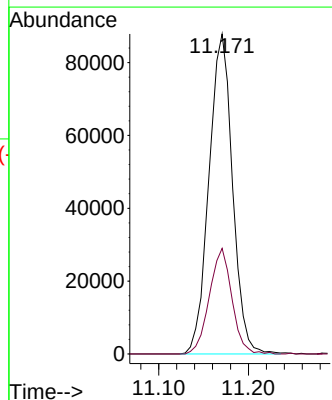
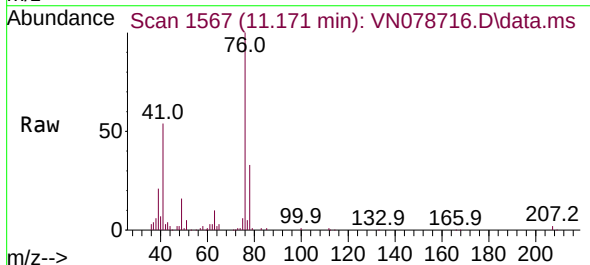
Manual Integrations
APPROVED

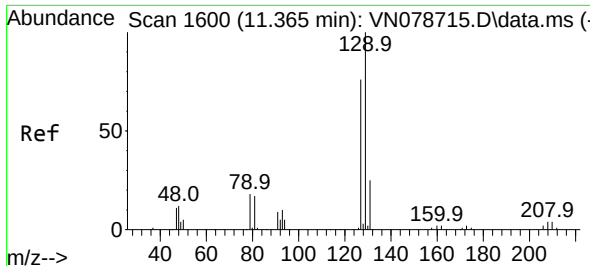
Reviewed By :John Carlone 08/02/2023
Supervised By :Mahesh Dadoda 08/02/2023



#52
1,3-Dichloropropane
Concen: 15.200 ug/l
RT: 11.171 min Scan# 1567
Delta R.T. 0.006 min
Lab File: VN078716.D
Acq: 01 Aug 2023 14:35

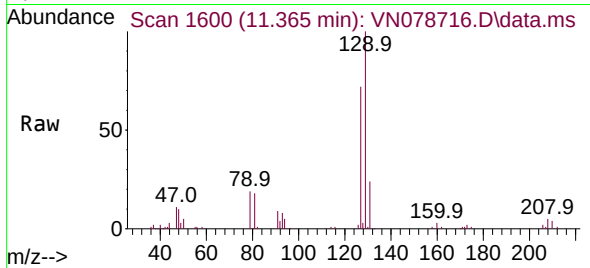
Tgt Ion: 76 Resp: 160152
Ion Ratio Lower Upper
76 100
78 31.5 0.0 66.2





#53
Dibromochloromethane
Concen: 12.625 ug/l
RT: 11.365 min Scan# 1600
Delta R.T. -0.000 min
Lab File: VN078716.D
Acq: 01 Aug 2023 14:35

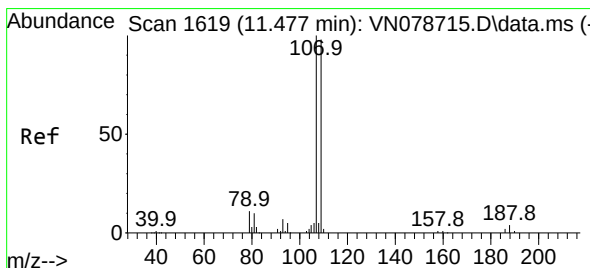
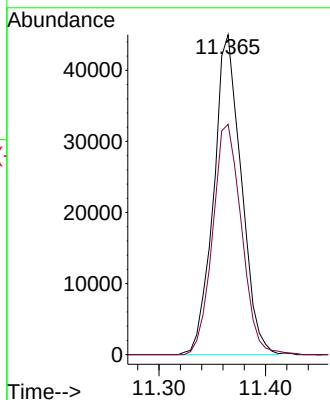
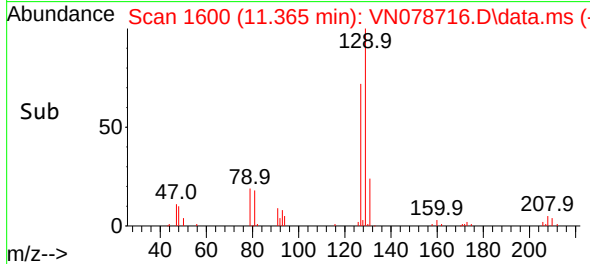
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC010



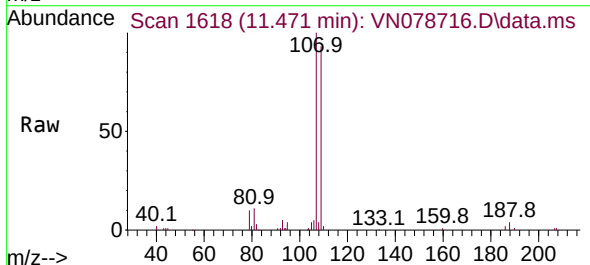
Tgt Ion:129 Resp: 80964
Ion Ratio Lower Upper
129 100
127 75.2 39.4 118.1

Manual Integrations
APPROVED

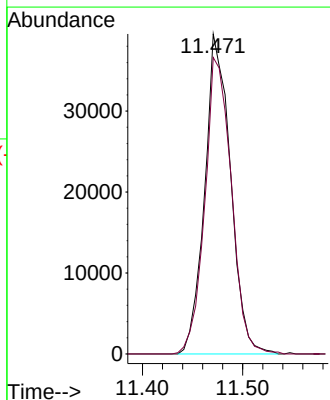
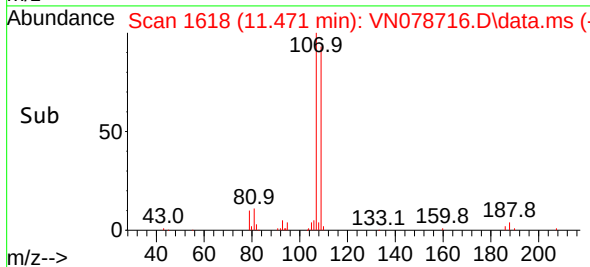
Reviewed By :John Carlone 08/02/2023
Supervised By :Mahesh Dadoda 08/02/2023

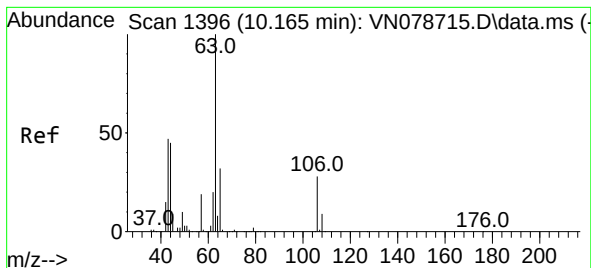


#54
1,2-Dibromoethane
Concen: 12.350 ug/l
RT: 11.471 min Scan# 1618
Delta R.T. -0.006 min
Lab File: VN078716.D
Acq: 01 Aug 2023 14:35



Tgt Ion:107 Resp: 70722
Ion Ratio Lower Upper
107 100
109 95.4 74.6 112.0





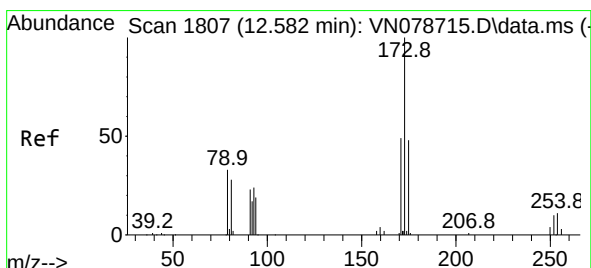
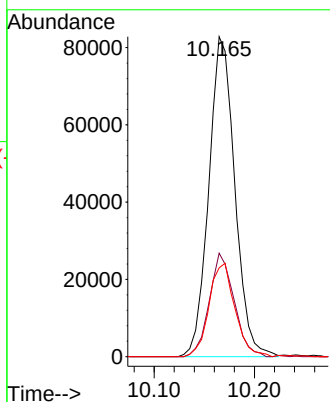
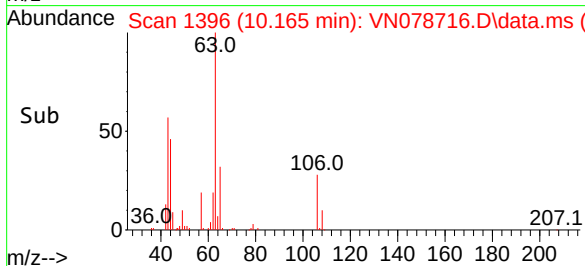
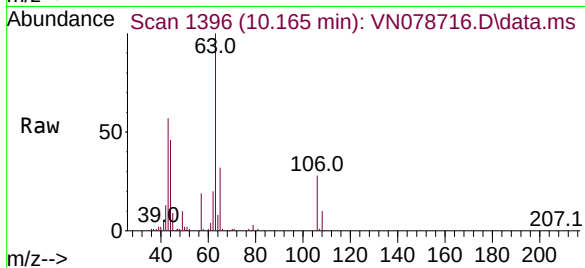
#55
2-Chloroethyl vinyl ether
Concen: 60.503 ug/l
RT: 10.165 min Scan# 1396
Delta R.T. -0.000 min
Lab File: VN078716.D
Acq: 01 Aug 2023 14:35

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Tgt Ion: 63 Resp: 149544
Ion Ratio Lower Upper
63 100
65 30.7 26.3 39.5
106 29.0 23.8 35.6

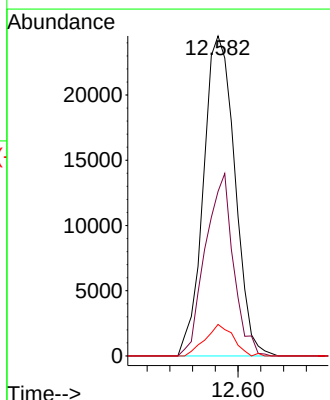
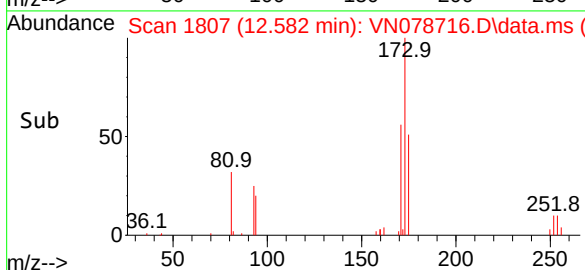
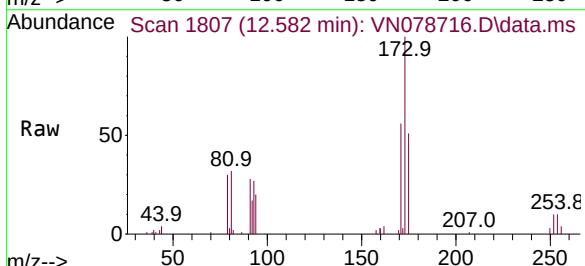
Manual Integrations
APPROVED

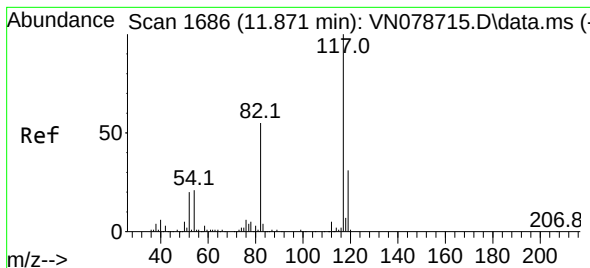
Reviewed By :John Carlone 08/02/2023
Supervised By :Mahesh Dadoda 08/02/2023



#56
Bromoform
Concen: 11.660 ug/l
RT: 12.582 min Scan# 1807
Delta R.T. 0.000 min
Lab File: VN078716.D
Acq: 01 Aug 2023 14:35

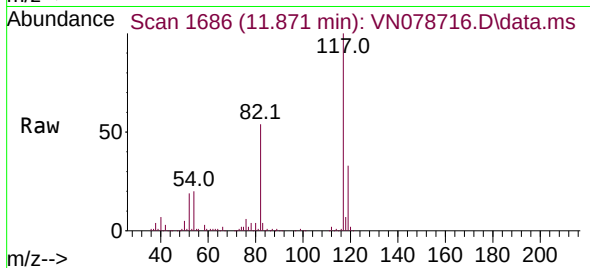
Tgt Ion:173 Resp: 47065
Ion Ratio Lower Upper
173 100
175 50.9 40.7 61.1
254 8.7 6.5 9.7





#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.871 min Scan# 117
Delta R.T. -0.000 min
Lab File: VN078716.D
Acq: 01 Aug 2023 14:35

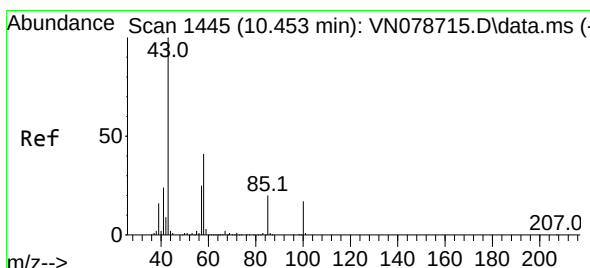
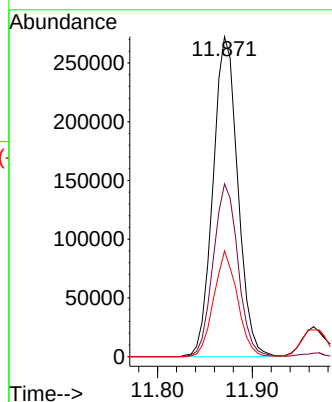
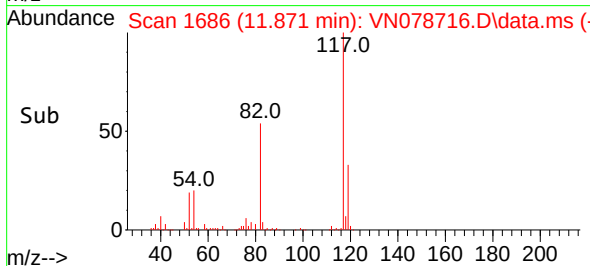
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC010



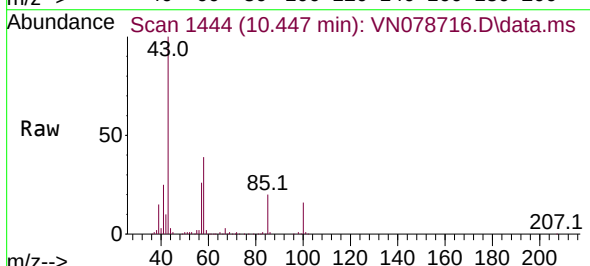
Tgt Ion:117 Resp: 49516
Ion Ratio Lower Upper
117 100
82 54.2 43.9 65.9
119 31.6 26.2 39.4

Manual Integrations
APPROVED

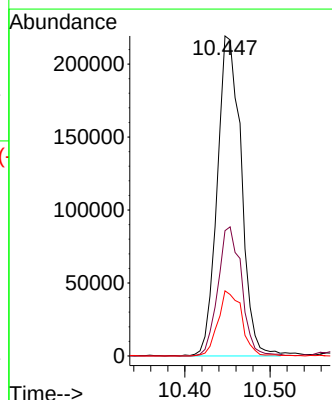
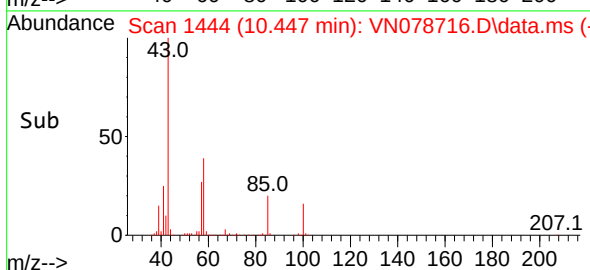
Reviewed By :John Carlone 08/02/2023
Supervised By :Mahesh Dadoda 08/02/2023

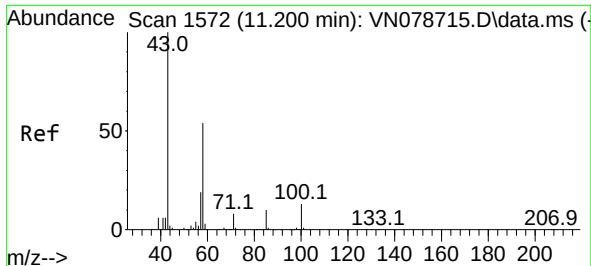


#58
4-Methyl-2-Pentanone
Concen: 67.573 ug/l
RT: 10.447 min Scan# 1444
Delta R.T. -0.006 min
Lab File: VN078716.D
Acq: 01 Aug 2023 14:35



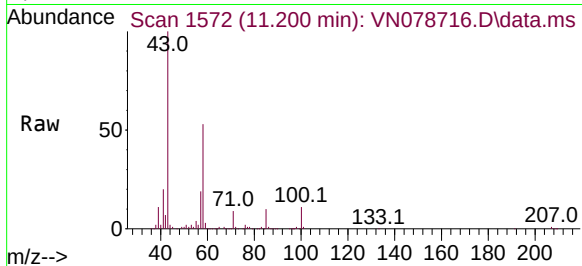
Tgt Ion: 43 Resp: 429239
Ion Ratio Lower Upper
43 100
58 39.9 32.6 48.8
85 20.0 16.2 24.2





#59
2-Hexanone
Concen: 65.672 ug/l
RT: 11.200 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN078716.D
Acq: 01 Aug 2023 14:35

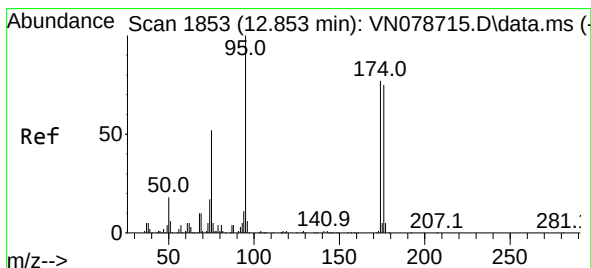
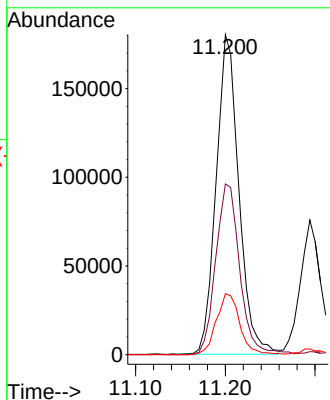
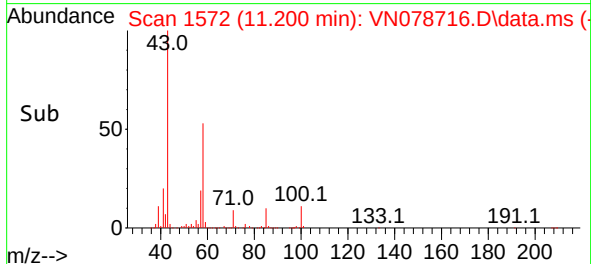
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC010



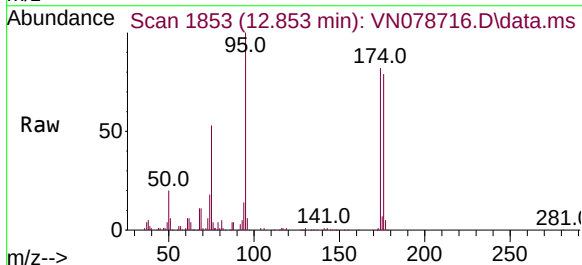
Tgt Ion: 43 Resp: 316654
Ion Ratio Lower Upper
43 100
58 56.5 45.9 68.9
57 19.7 15.8 23.6

Manual Integrations
APPROVED

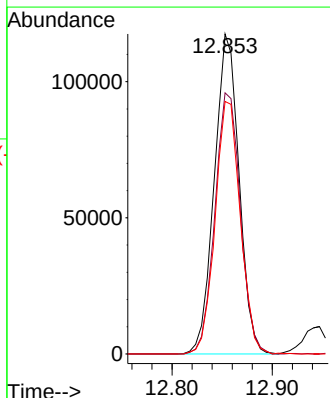
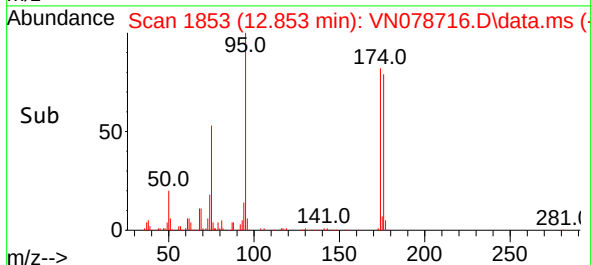
Reviewed By :John Carlone 08/02/2023
Supervised By :Mahesh Dadoda 08/02/2023

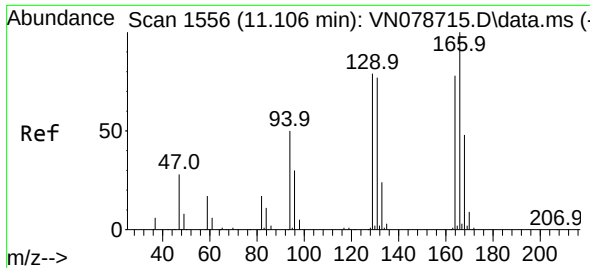


#60
4-Bromofluorobenzene
Concen: 28.188 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.000 min
Lab File: VN078716.D
Acq: 01 Aug 2023 14:35



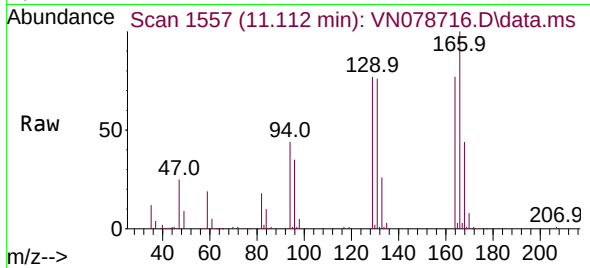
Tgt Ion: 95 Resp: 201101
Ion Ratio Lower Upper
95 100
174 83.9 61.7 92.5
176 80.2 58.1 87.1





#61
Tetrachloroethene
Concen: 14.693 ug/l
RT: 11.112 min Scan# 1112
Delta R.T. 0.006 min
Lab File: VN078716.D
Acq: 01 Aug 2023 14:35

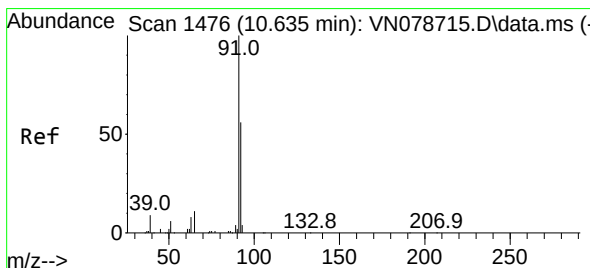
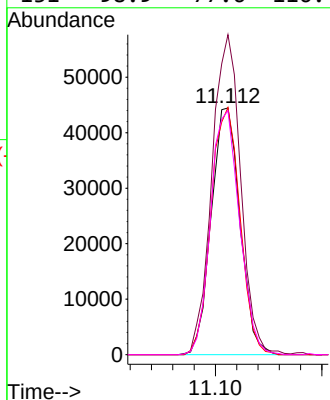
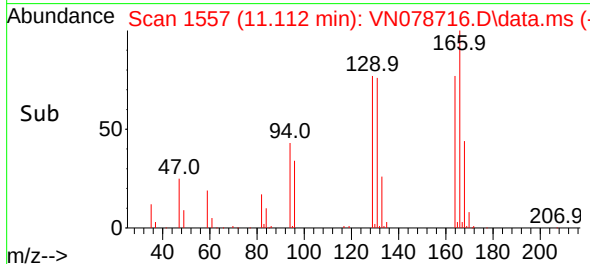
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010



Tgt Ion:164 Resp: 8318
Ion Ratio Lower Upper
164 100
166 129.7 99.1 148.7
129 100.2 85.6 128.4
131 98.9 77.6 116.4

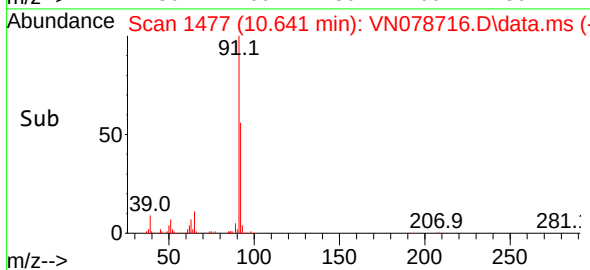
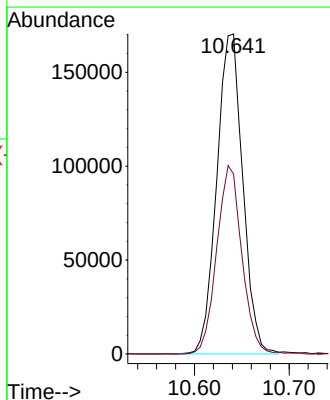
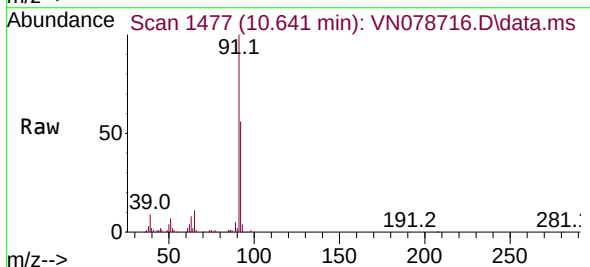
Manual Integrations
APPROVED

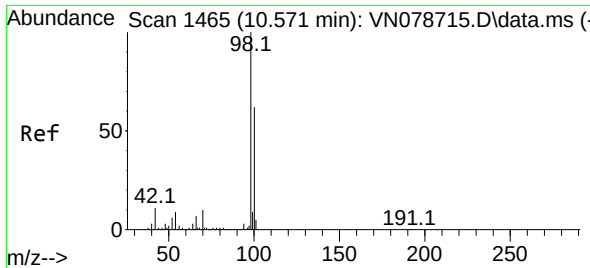
Reviewed By :John Carlone 08/02/2023
Supervised By :Mahesh Dadoda 08/02/2023



#62
Toluene
Concen: 12.804 ug/l
RT: 10.641 min Scan# 1477
Delta R.T. 0.006 min
Lab File: VN078716.D
Acq: 01 Aug 2023 14:35

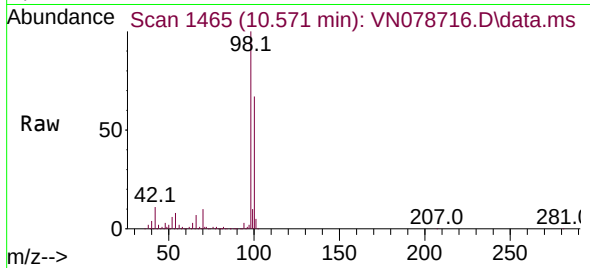
Tgt Ion: 91 Resp: 325412
Ion Ratio Lower Upper
91 100
92 57.0 45.2 67.8





#63
Toluene-d8
Concen: 33.399 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. -0.000 min
Lab File: VN078716.D
Acq: 01 Aug 2023 14:35

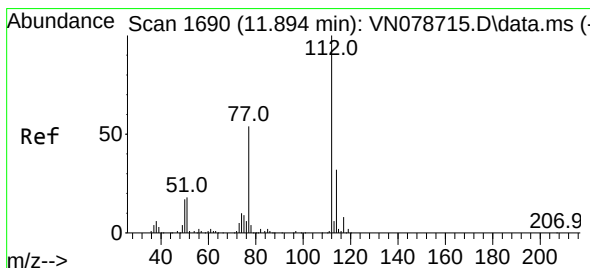
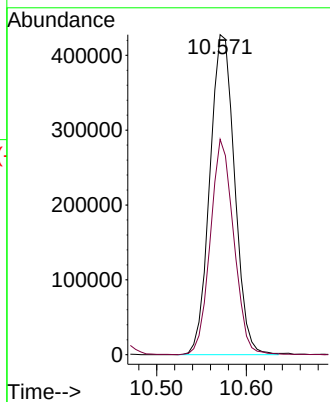
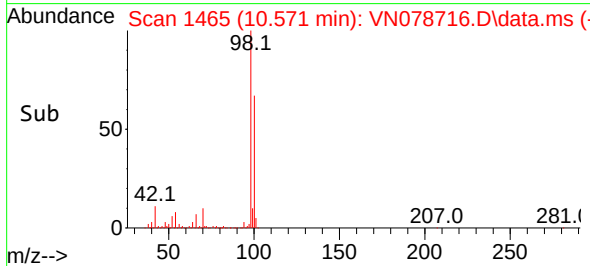
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC010



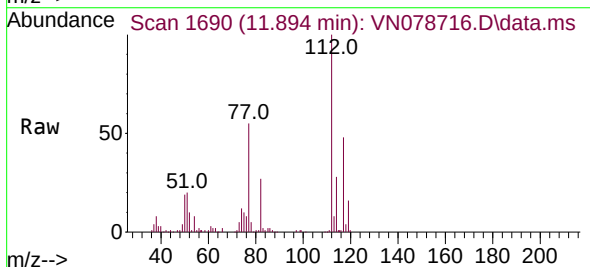
Tgt Ion: 98 Resp: 819024
Ion Ratio Lower Upper
98 100
100 63.7 49.7 74.5

Manual Integrations
APPROVED

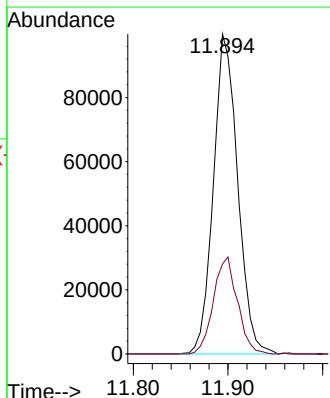
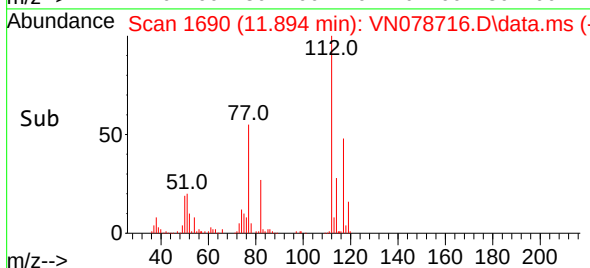
Reviewed By :John Carlone 08/02/2023
Supervised By :Mahesh Dadoda 08/02/2023

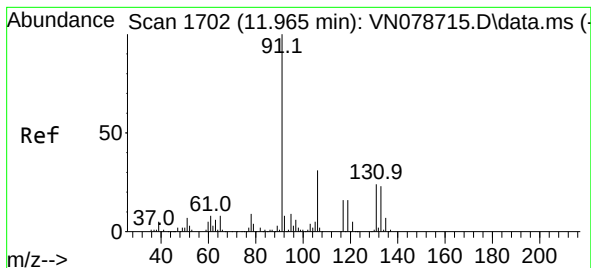


#64
Chlorobenzene
Concen: 12.101 ug/l
RT: 11.894 min Scan# 1690
Delta R.T. 0.000 min
Lab File: VN078716.D
Acq: 01 Aug 2023 14:35



Tgt Ion:112 Resp: 177805
Ion Ratio Lower Upper
112 100
114 28.1 25.9 38.9





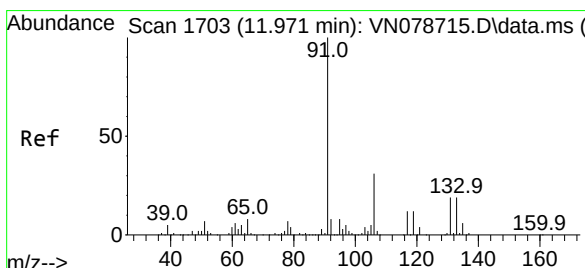
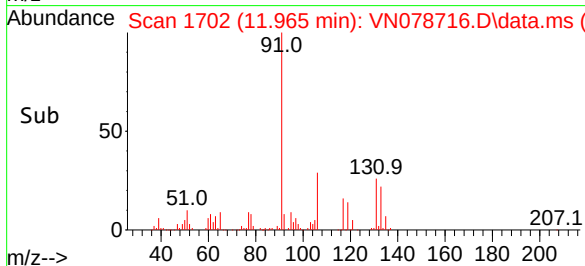
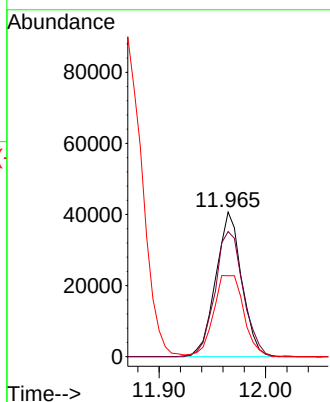
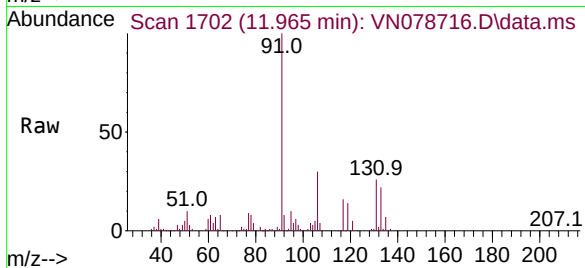
#65
1,1,1,2-Tetrachloroethane
Concen: 11.840 ug/l
RT: 11.965 min Scan# 1702
Delta R.T. -0.000 min
Lab File: VN078716.D
Acq: 01 Aug 2023 14:35

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Tgt Ion:131 Resp: 69070
Ion Ratio Lower Upper
131 100
133 93.9 0.0 191.8
119 65.1 0.0 132.0

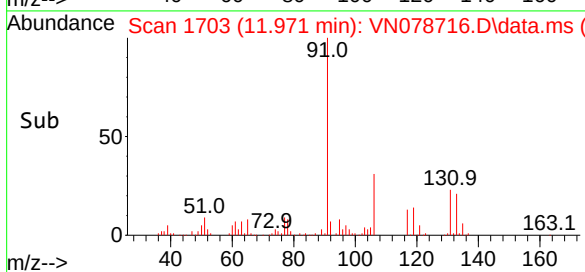
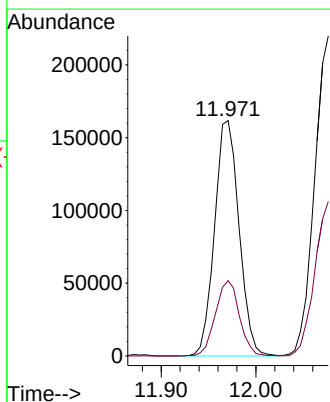
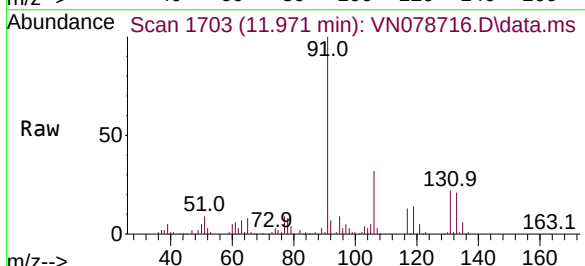
Manual Integrations
APPROVED

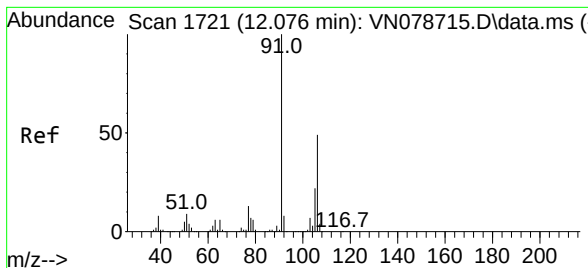
Reviewed By :John Carlone 08/02/2023
Supervised By :Mahesh Dadoda 08/02/2023



#66
Ethyl Benzene
Concen: 11.562 ug/l
RT: 11.971 min Scan# 1703
Delta R.T. -0.000 min
Lab File: VN078716.D
Acq: 01 Aug 2023 14:35

Tgt Ion: 91 Resp: 290495
Ion Ratio Lower Upper
91 100
106 32.0 25.6 38.4





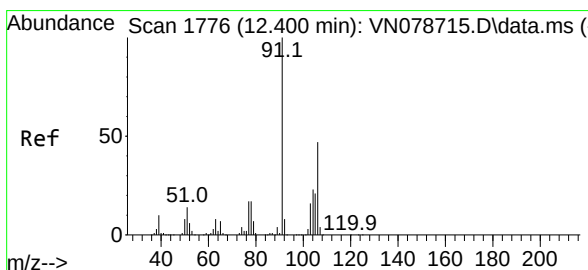
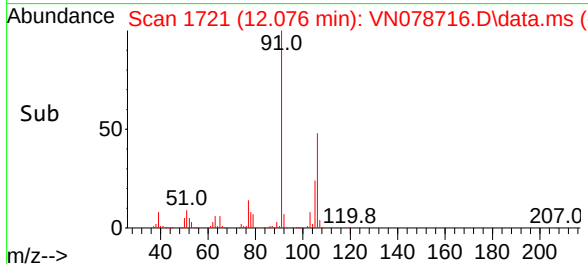
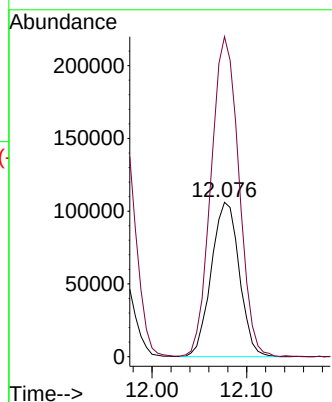
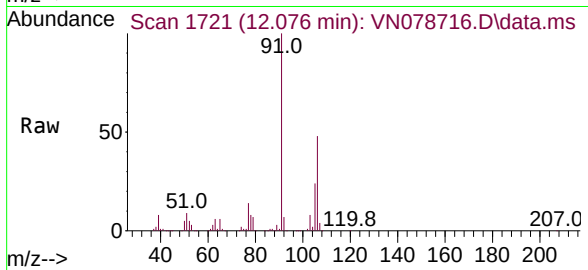
#67
m/p-Xylenes
Concen: 22.796 ug/l
RT: 12.076 min Scan# 1721
Delta R.T. 0.000 min
Lab File: VN078716.D
Acq: 01 Aug 2023 14:35

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Tgt Ion:106 Resp: 21797
Ion Ratio Lower Upper
106 100
91 206.1 162.5 243.7

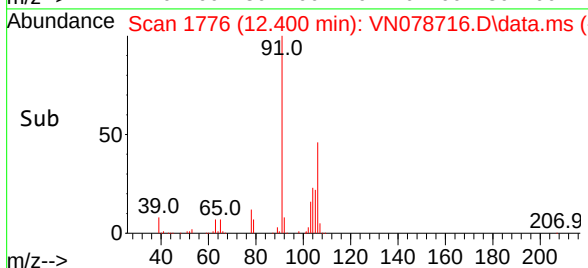
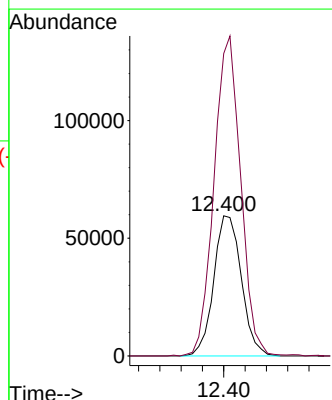
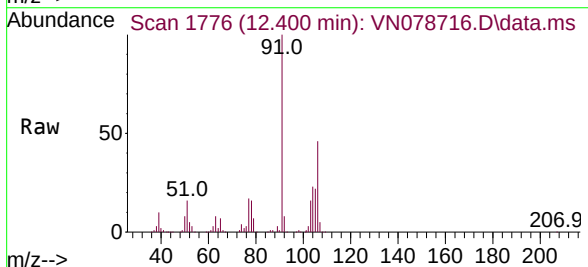
Manual Integrations
APPROVED

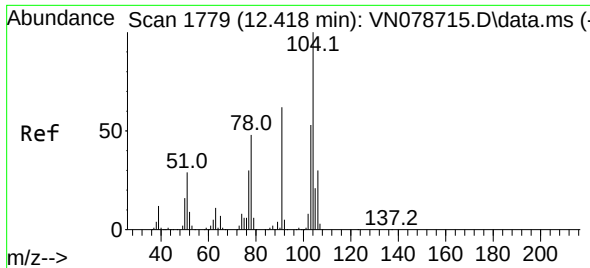
Reviewed By :John Carlone 08/02/2023
Supervised By :Mahesh Dadoda 08/02/2023



#68
o-Xylene
Concen: 11.203 ug/l
RT: 12.400 min Scan# 1776
Delta R.T. -0.000 min
Lab File: VN078716.D
Acq: 01 Aug 2023 14:35

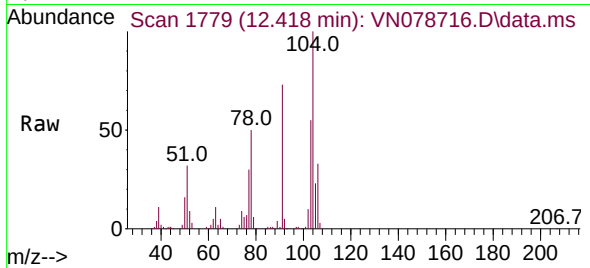
Tgt Ion:106 Resp: 107057
Ion Ratio Lower Upper
106 100
91 220.5 106.1 318.3





#69
Styrene
Concen: 10.899 ug/l
RT: 12.418 min Scan# 1779
Delta R.T. -0.000 min
Lab File: VN078716.D
Acq: 01 Aug 2023 14:35

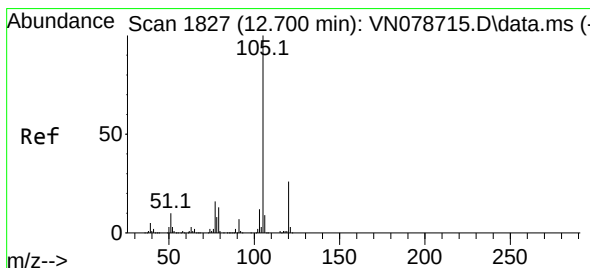
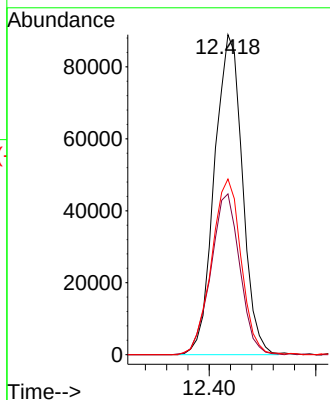
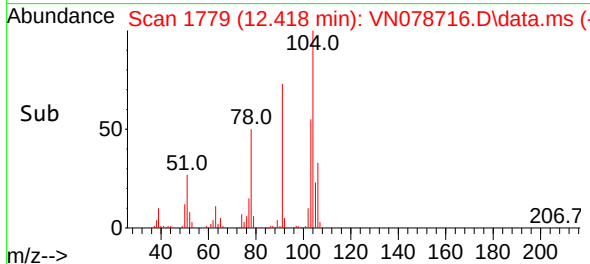
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC010



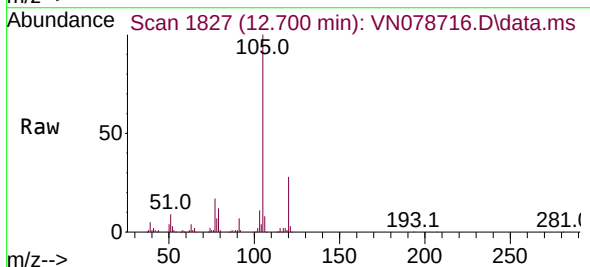
Tgt Ion:104 Resp: 162138
Ion Ratio Lower Upper
104 100
78 52.0 40.1 60.1
103 58.0 45.1 67.7

Manual Integrations
APPROVED

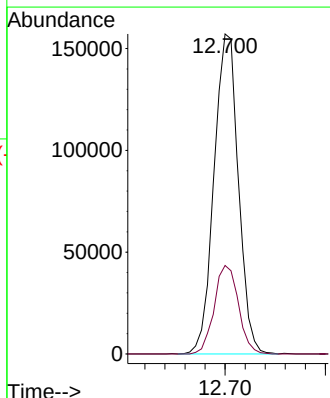
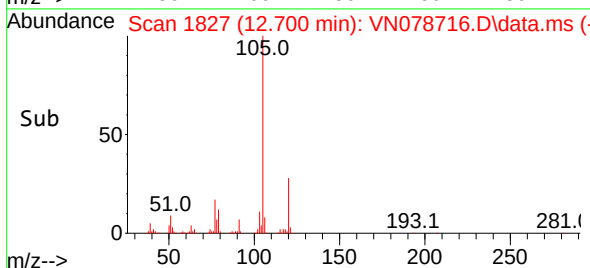
Reviewed By :John Carlone 08/02/2023
Supervised By :Mahesh Dadoda 08/02/2023

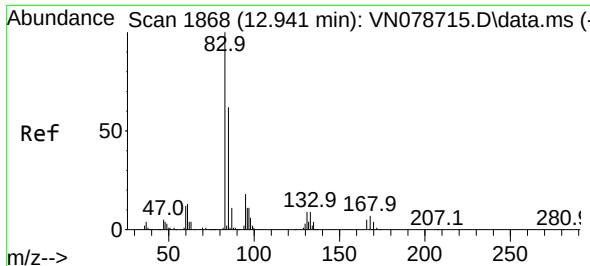


#70
Isopropylbenzene
Concen: 11.147 ug/l
RT: 12.700 min Scan# 1827
Delta R.T. -0.000 min
Lab File: VN078716.D
Acq: 01 Aug 2023 14:35



Tgt Ion:105 Resp: 264843
Ion Ratio Lower Upper
105 100
120 27.4 18.3 34.1





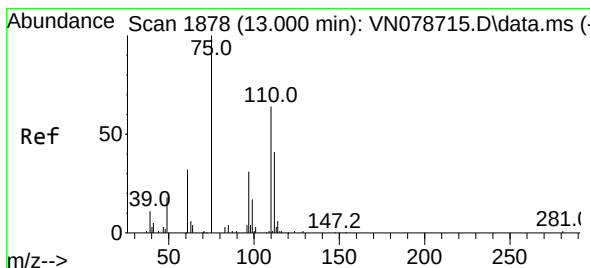
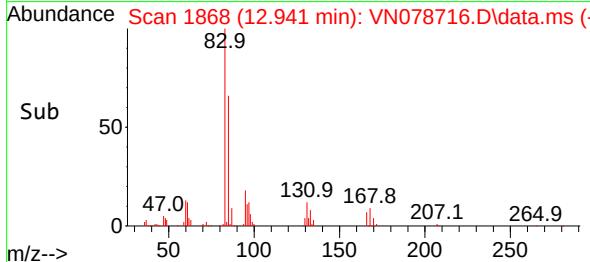
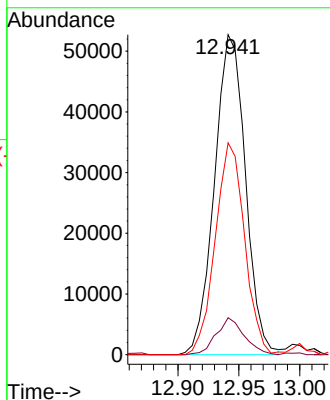
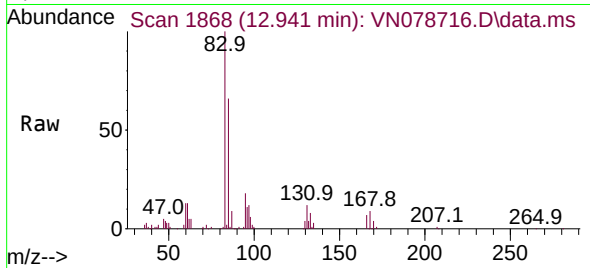
#71
1,1,2,2-Tetrachloroethane
Concen: 11.722 ug/l
RT: 12.941 min Scan# 1868
Delta R.T. 0.000 min
Lab File: VN078716.D
Acq: 01 Aug 2023 14:35

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC010

Tgt Ion: 83 Resp: 93210
Ion Ratio Lower Upper
83 100
131 10.4 4.8 14.4
85 62.5 32.6 98.0

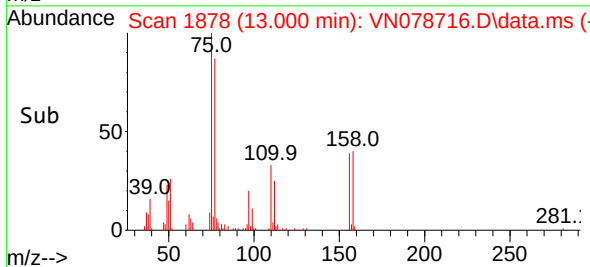
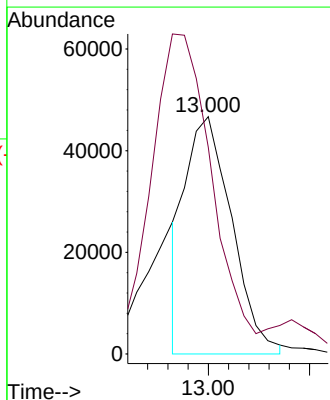
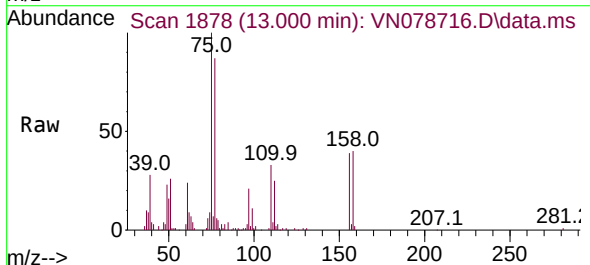
Manual Integrations
APPROVED

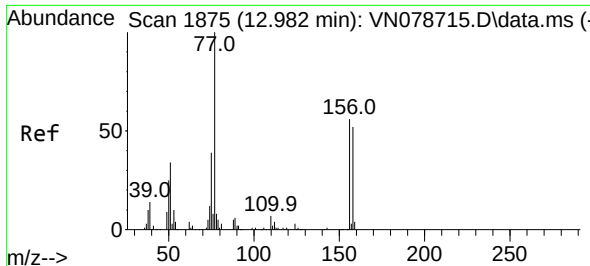
Reviewed By :John Carlone 08/02/2023
Supervised By :Mahesh Dadoda 08/02/2023



#72
1,2,3-Trichloropropane
Concen: 9.845 ug/l m
RT: 13.000 min Scan# 1878
Delta R.T. -0.000 min
Lab File: VN078716.D
Acq: 01 Aug 2023 14:35

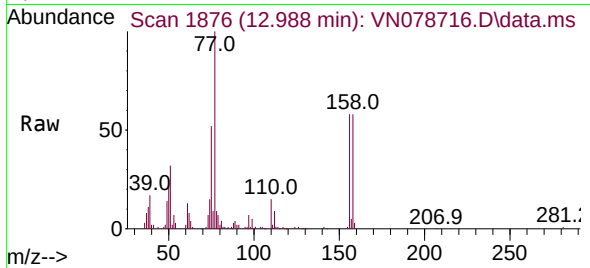
Tgt Ion: 75 Resp: 74204
Ion Ratio Lower Upper
75 100
77 178.7 0.0 387.4





#73
Bromobenzene
Concen: 11.225 ug/l
RT: 12.988 min Scan# 1876
Delta R.T. 0.006 min
Lab File: VN078716.D
Acq: 01 Aug 2023 14:35

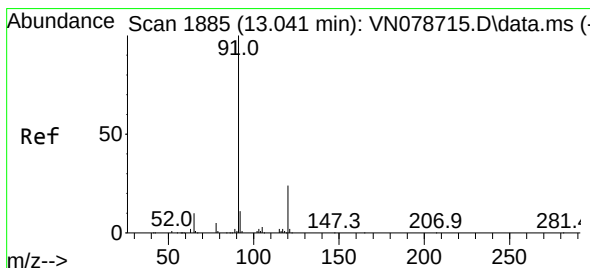
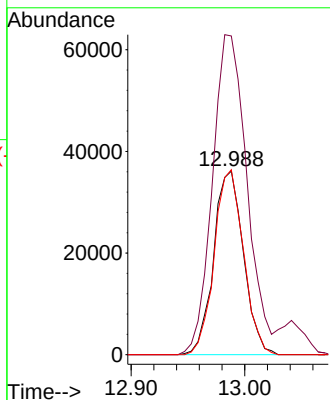
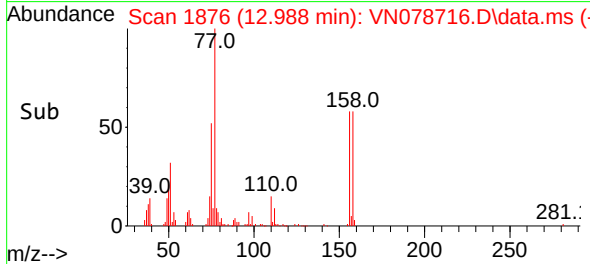
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC010



Tgt Ion:156 Resp: 6597
Ion Ratio Lower Upper
156 100
77 201.0 0.0 420.8
158 98.3 0.0 193.2

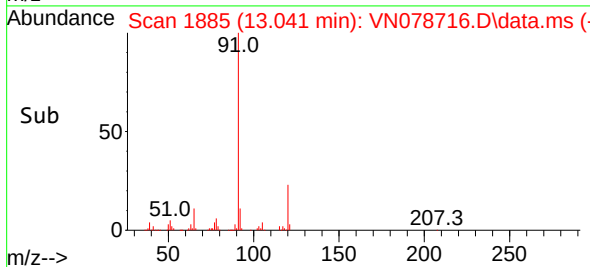
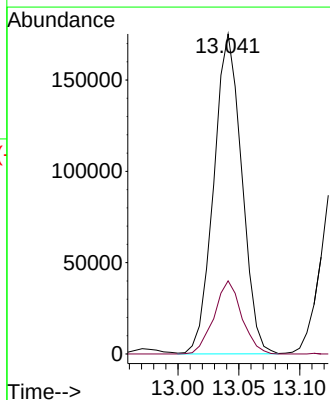
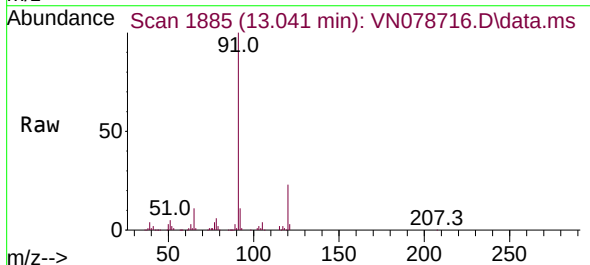
Manual Integrations
APPROVED

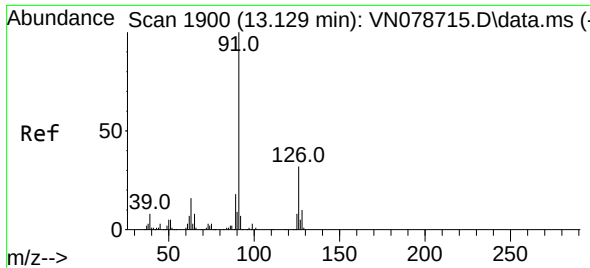
Reviewed By :John Carlone 08/02/2023
Supervised By :Mahesh Dadoda 08/02/2023



#74
n-propylbenzene
Concen: 10.678 ug/l
RT: 13.041 min Scan# 1885
Delta R.T. 0.000 min
Lab File: VN078716.D
Acq: 01 Aug 2023 14:35

Tgt Ion: 91 Resp: 280642
Ion Ratio Lower Upper
91 100
120 22.5 0.0 44.6





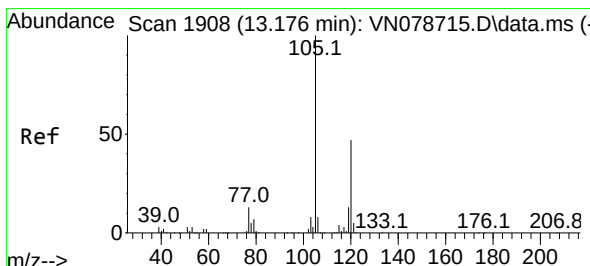
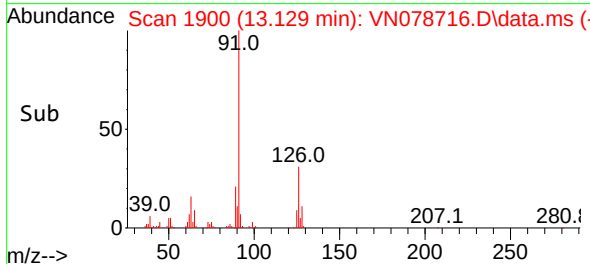
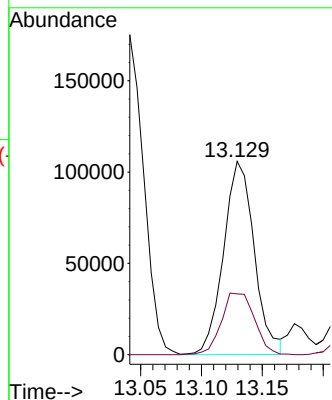
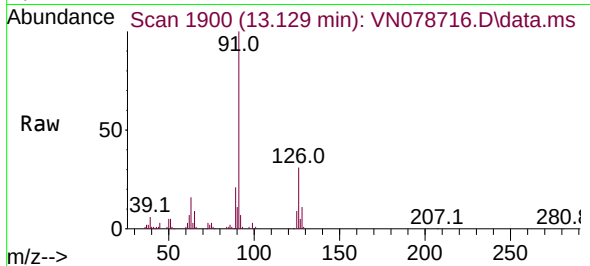
#75
2-Chlorotoluene
Concen: 11.151 ug/l
RT: 13.129 min Scan# 1900
Delta R.T. 0.000 min
Lab File: VN078716.D
Acq: 01 Aug 2023 14:35

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC010

Tgt Ion: 91 Resp: 186338
Ion Ratio Lower Upper
91 100
126 34.3 0.0 67.2

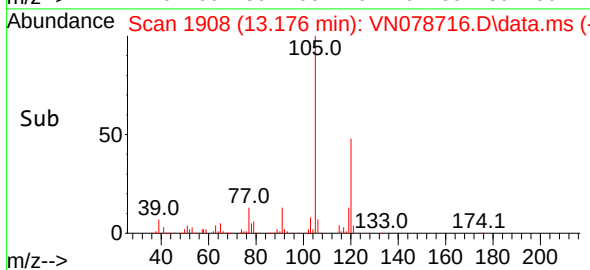
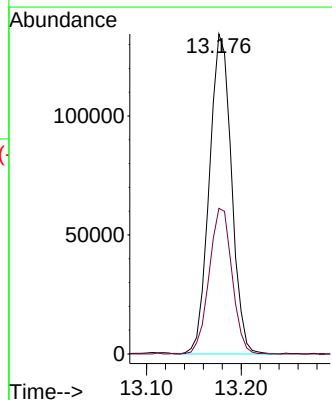
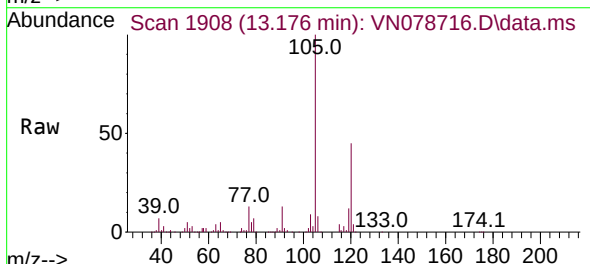
Manual Integrations
APPROVED

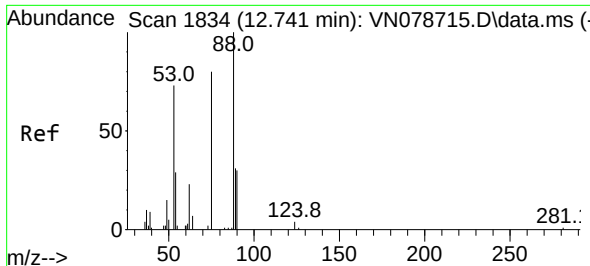
Reviewed By :John Carlone 08/02/2023
Supervised By :Mahesh Dadoda 08/02/2023



#76
1,3,5-Trimethylbenzene
Concen: 11.174 ug/l
RT: 13.176 min Scan# 1908
Delta R.T. 0.000 min
Lab File: VN078716.D
Acq: 01 Aug 2023 14:35

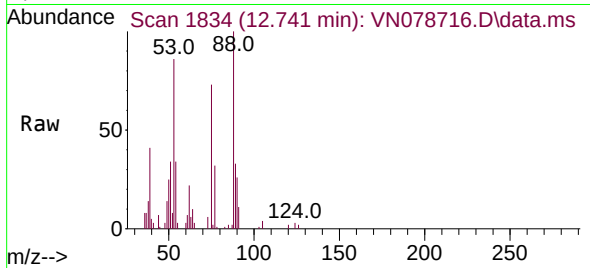
Tgt Ion:105 Resp: 218419
Ion Ratio Lower Upper
105 100
120 47.0 0.0 97.2





#77
t-1,4-Dichloro-2-butene
Concen: 10.206 ug/l
RT: 12.741 min Scan# 1834
Delta R.T. 0.000 min
Lab File: VN078716.D
Acq: 01 Aug 2023 14:35

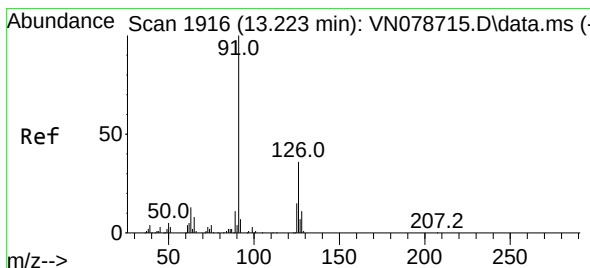
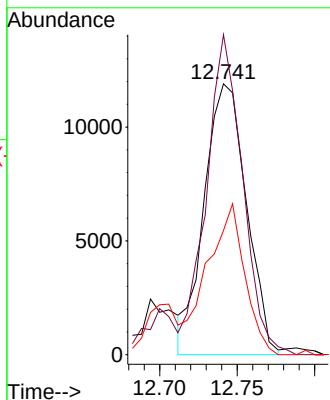
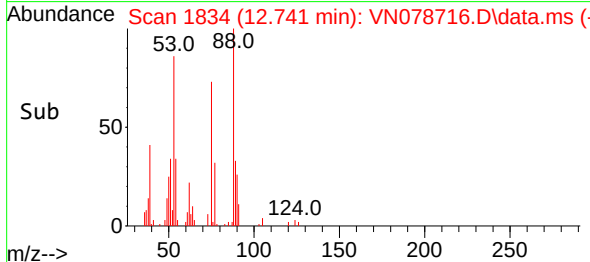
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC010



Tgt Ion: 75 Resp: 2256
Ion Ratio Lower Upper
75 100
53 117.2 41.6 124.9
89 44.8 25.1 75.4

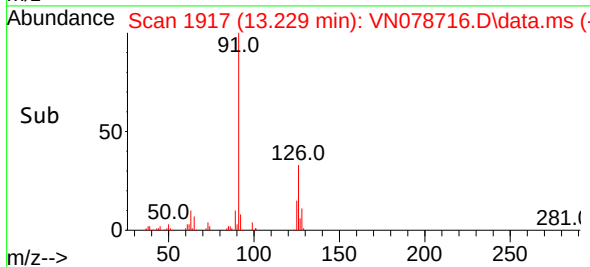
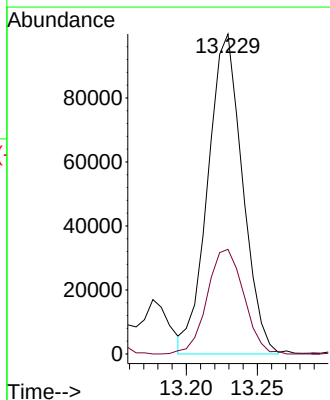
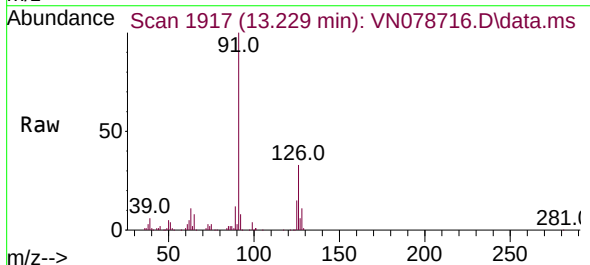
Manual Integrations
APPROVED

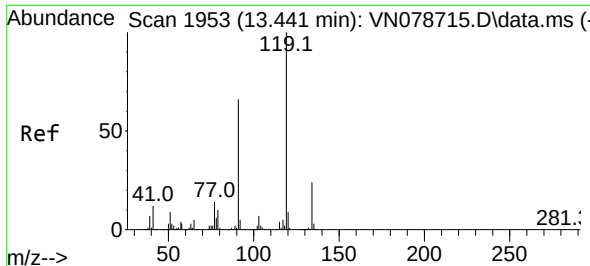
Reviewed By :John Carlone 08/02/2023
Supervised By :Mahesh Dadoda 08/02/2023



#78
4-Chlorotoluene
Concen: 10.587 ug/l
RT: 13.229 min Scan# 1917
Delta R.T. 0.006 min
Lab File: VN078716.D
Acq: 01 Aug 2023 14:35

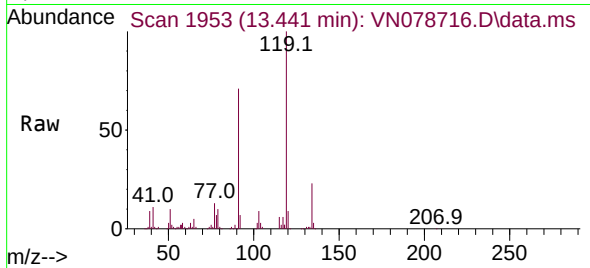
Tgt Ion: 91 Resp: 169600
Ion Ratio Lower Upper
91 100
126 34.5 0.0 68.8





#79
tert-butylbenzene
Concen: 10.981 ug/l
RT: 13.441 min Scan# 1953
Delta R.T. 0.000 min
Lab File: VN078716.D
Acq: 01 Aug 2023 14:35

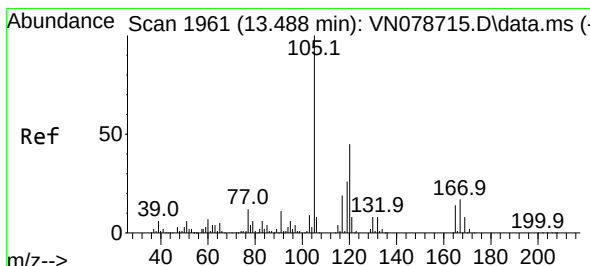
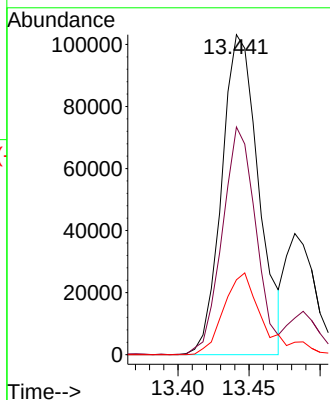
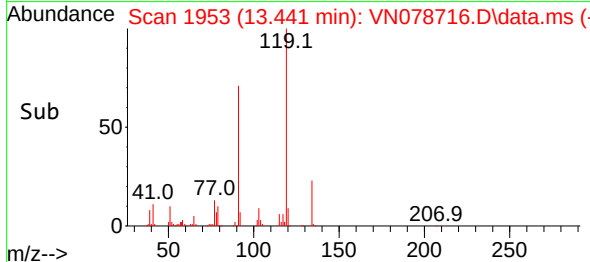
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC010



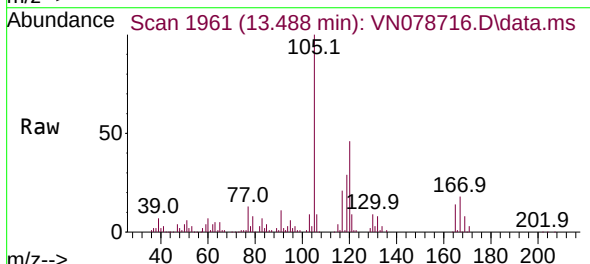
Tgt Ion:119 Resp: 186458
Ion Ratio Lower Upper
119 100
91 64.6 0.0 126.6
134 25.1 0.0 44.0

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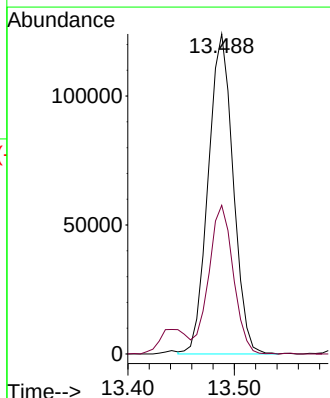
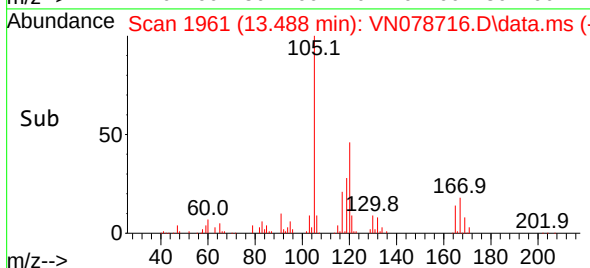
Reviewed By :John Carlone 08/02/2023
Supervised By :Mahesh Dadoda 08/02/2023

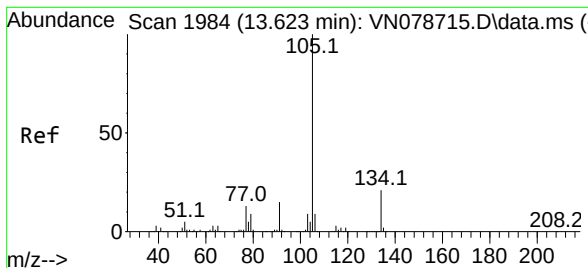


#80
1,2,4-Trimethylbenzene
Concen: 10.885 ug/l
RT: 13.488 min Scan# 1961
Delta R.T. 0.000 min
Lab File: VN078716.D
Acq: 01 Aug 2023 14:35



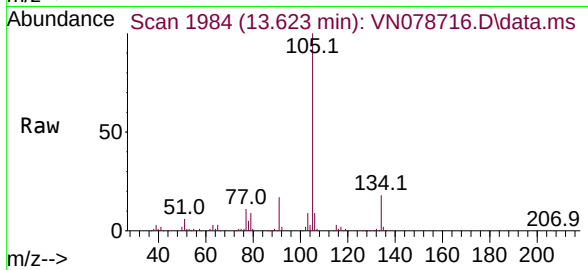
Tgt Ion:105 Resp: 201994
Ion Ratio Lower Upper
105 100
120 45.6 0.0 88.2





#81
 sec-Butylbenzene
 Concen: 10.785 ug/l
 RT: 13.623 min Scan# 1984
 Delta R.T. 0.000 min
 Lab File: VN078716.D
 Acq: 01 Aug 2023 14:35

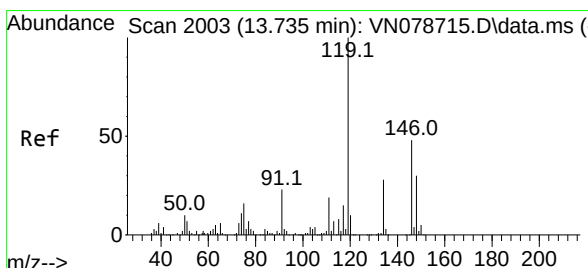
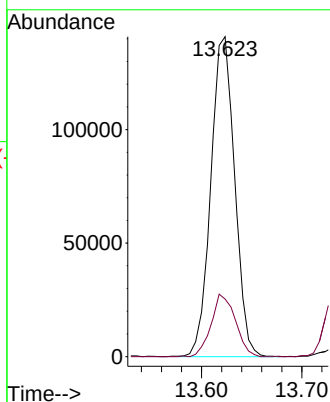
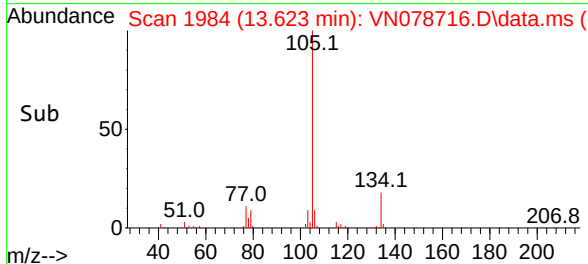
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC010



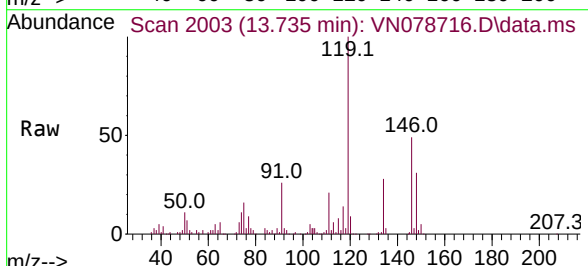
Tgt Ion:105 Resp: 233230
 Ion Ratio Lower Upper
 105 100
 134 19.7 0.0 38.6

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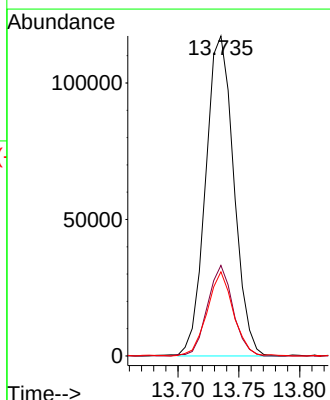
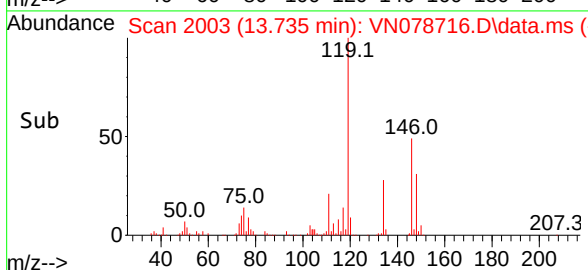
Reviewed By :John Carlone 08/02/2023
 Supervised By :Mahesh Dadoda 08/02/2023

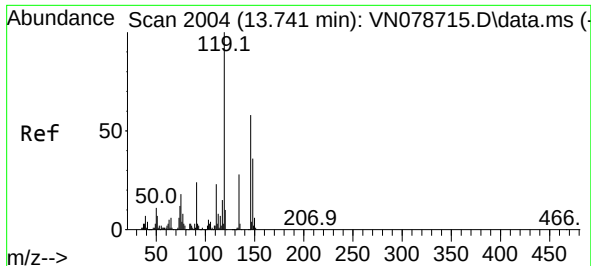


#82
 p-Isopropyltoluene
 Concen: 10.697 ug/l
 RT: 13.735 min Scan# 2003
 Delta R.T. 0.000 min
 Lab File: VN078716.D
 Acq: 01 Aug 2023 14:35



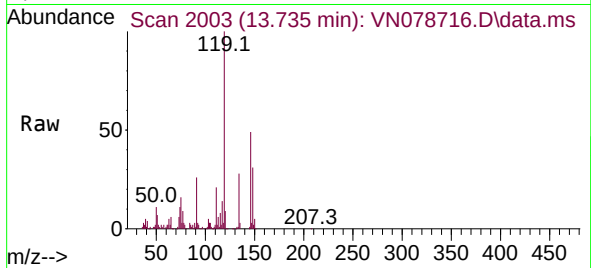
Tgt Ion:119 Resp: 188690
 Ion Ratio Lower Upper
 119 100
 134 25.6 0.0 52.4
 91 24.3 0.0 48.2





#83
1,3-Dichlorobenzene
Concen: 10.602 ug/l
RT: 13.735 min Scan# 2003
Delta R.T. -0.006 min
Lab File: VN078716.D
Acq: 01 Aug 2023 14:35

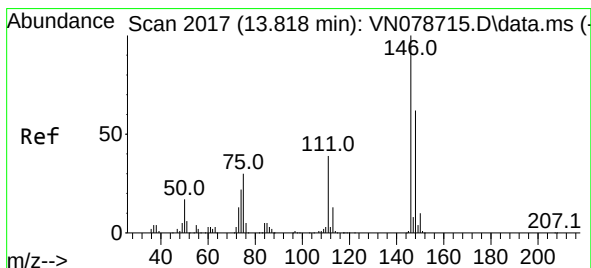
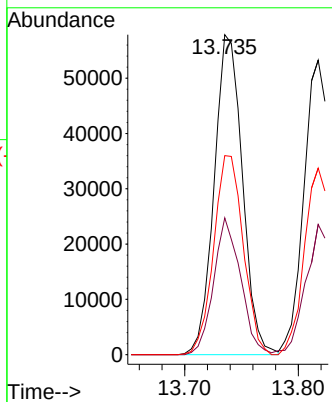
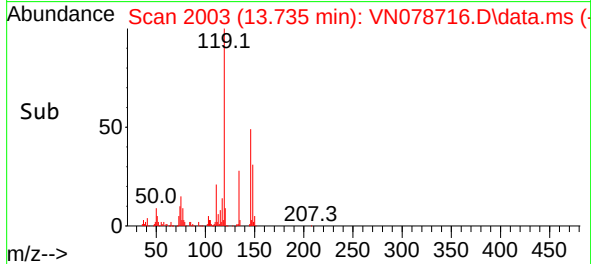
Instrument : MSVOA_N
ClientSampleId : VSTDIC010



Tgt Ion:146 Resp: 99810
Ion Ratio Lower Upper
146 100
111 40.7 21.6 64.6
148 65.2 31.9 95.5

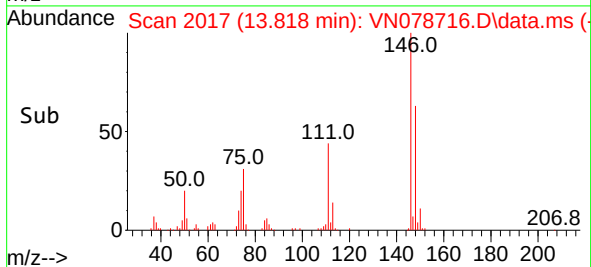
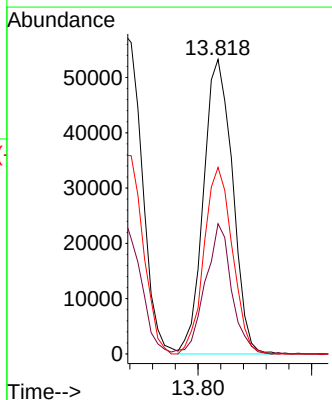
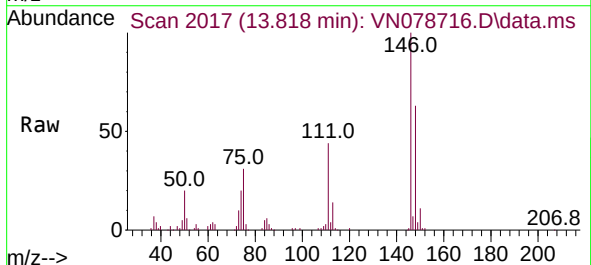
Manual Integrations
APPROVED

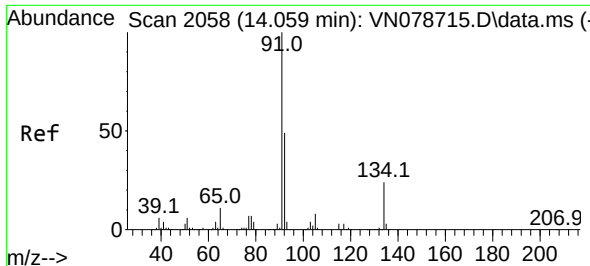
Reviewed By :John Carlone 08/02/2023
Supervised By :Mahesh Dadoda 08/02/2023



#84
1,4-Dichlorobenzene
Concen: 10.841 ug/l
RT: 13.818 min Scan# 2017
Delta R.T. -0.000 min
Lab File: VN078716.D
Acq: 01 Aug 2023 14:35

Tgt Ion:146 Resp: 94655
Ion Ratio Lower Upper
146 100
111 40.1 19.4 58.2
148 62.0 31.4 94.3





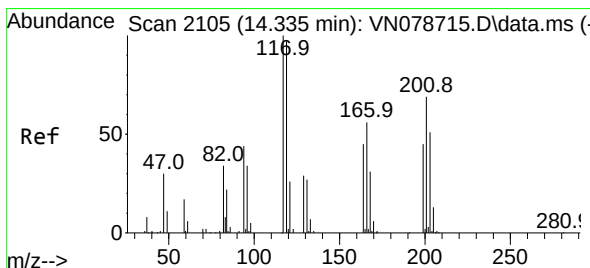
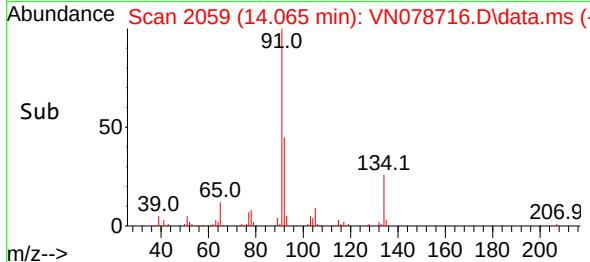
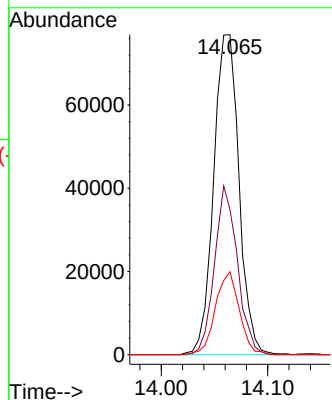
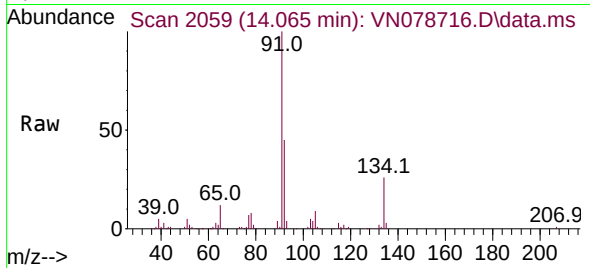
#85
n-Butylbenzene
Concen: 10.650 ug/l
RT: 14.065 min Scan# 2058
Delta R.T. 0.006 min
Lab File: VN078716.D
Acq: 01 Aug 2023 14:35

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC010

Tgt Ion: 91 Resp: 127032
Ion Ratio Lower Upper
91 100
92 47.7 0.0 99.6
134 24.4 0.0 50.0

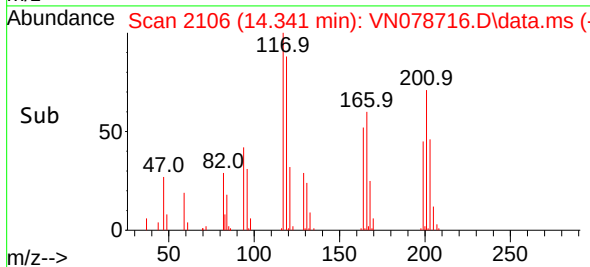
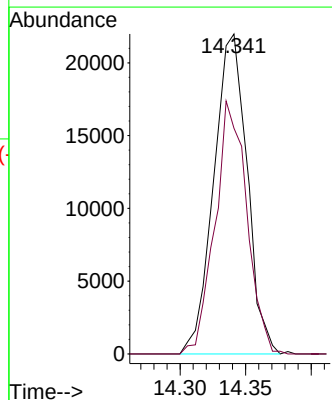
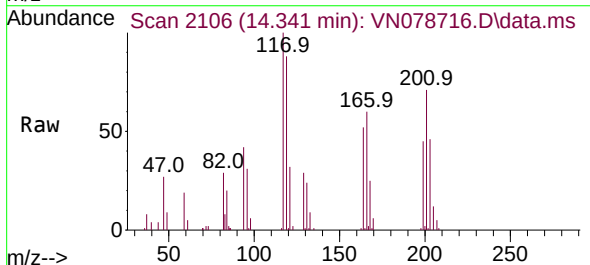
Manual Integrations
APPROVED

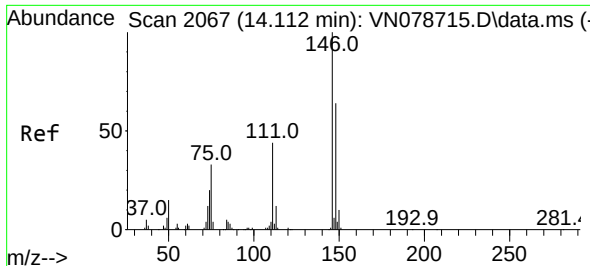
Reviewed By :John Carlone 08/02/2023
Supervised By :Mahesh Dadoda 08/02/2023



#86
Hexachloroethane
Concen: 11.450 ug/l
RT: 14.341 min Scan# 2106
Delta R.T. 0.006 min
Lab File: VN078716.D
Acq: 01 Aug 2023 14:35

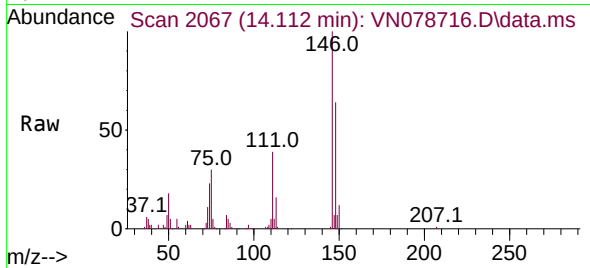
Tgt Ion:117 Resp: 38829
Ion Ratio Lower Upper
117 100
201 75.3 34.2 102.6





#87
1,2-Dichlorobenzene
Concen: 11.207 ug/l
RT: 14.112 min Scan# 2067
Delta R.T. -0.000 min
Lab File: VN078716.D
Acq: 01 Aug 2023 14:35

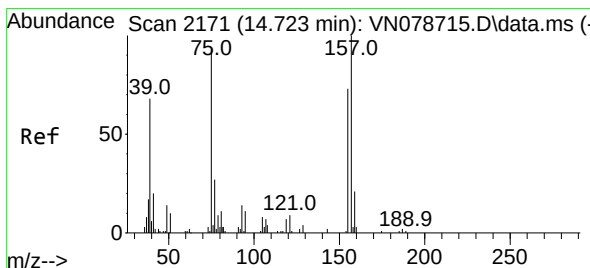
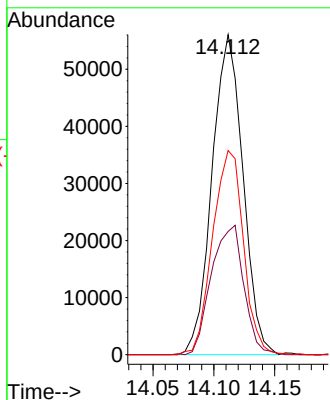
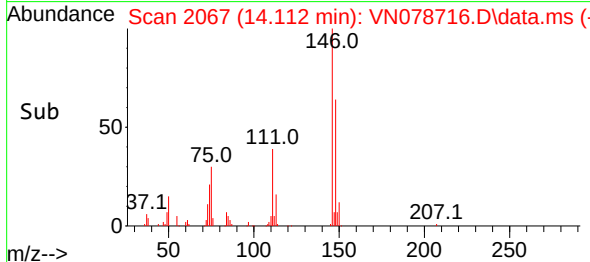
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010



Tgt Ion:146 Resp: 99072
Ion Ratio Lower Upper
146 100
111 42.4 22.4 67.3
148 63.6 33.4 100.1

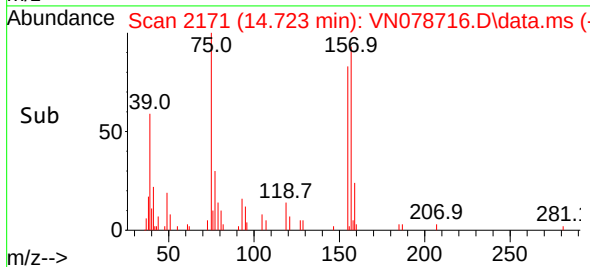
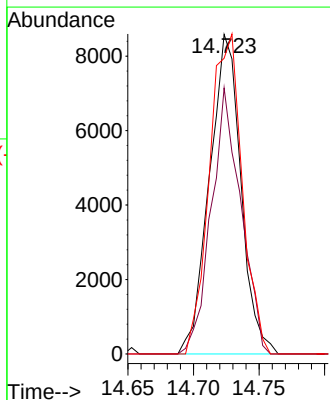
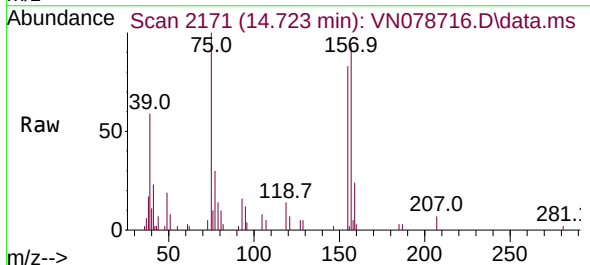
Manual Integrations
APPROVED

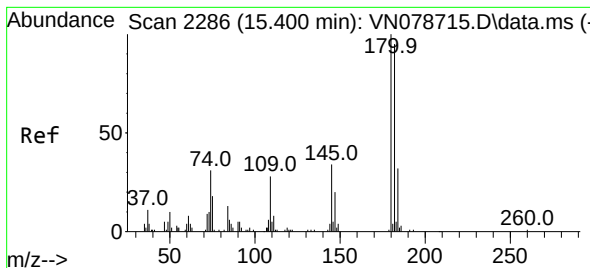
Reviewed By :John Carlone 08/02/2023
Supervised By :Mahesh Dadoda 08/02/2023



#88
1,2-Dibromo-3-Chloropropane
Concen: 11.858 ug/l
RT: 14.723 min Scan# 2171
Delta R.T. 0.000 min
Lab File: VN078716.D
Acq: 01 Aug 2023 14:35

Tgt Ion: 75 Resp: 14275
Ion Ratio Lower Upper
75 100
155 78.9 68.2 102.2
157 104.0 84.7 127.1





#89

1,2,4-Trichlorobenzene

Concen: 10.351 ug/l

RT: 15.400 min Scan# 21

Delta R.T. -0.000 min

Lab File: VN078716.D

Acq: 01 Aug 2023 14:35

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC010

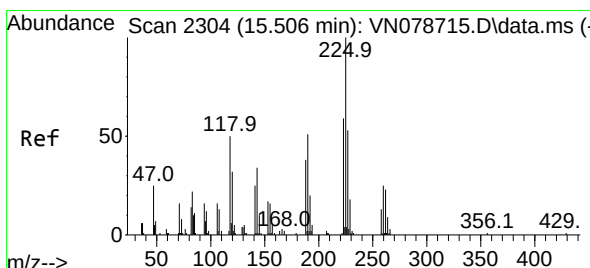
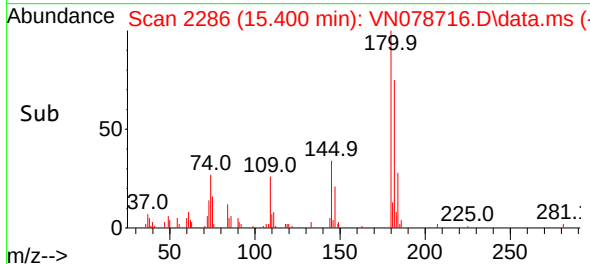
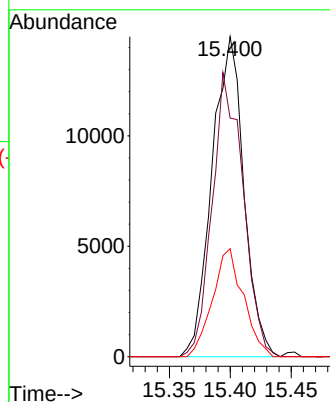
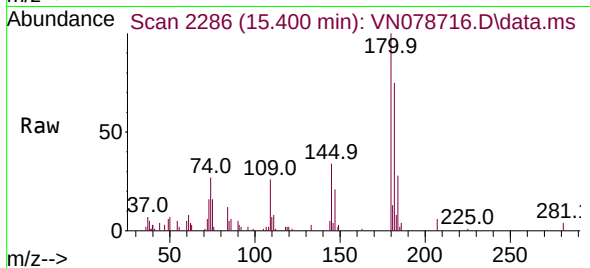
Tgt Ion:180	Resp:	2639
Ion Ratio	Lower	Upper
180	100	
182	85.6	73.7 110.5
145	32.7	25.0 37.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 08/02/2023

Supervised By :Mahesh Dadoda 08/02/2023



#90

Hexachlorobutadiene

Concen: 11.649 ug/l

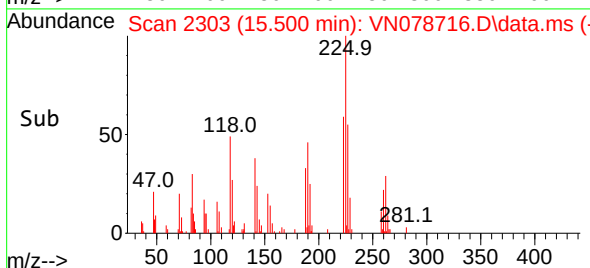
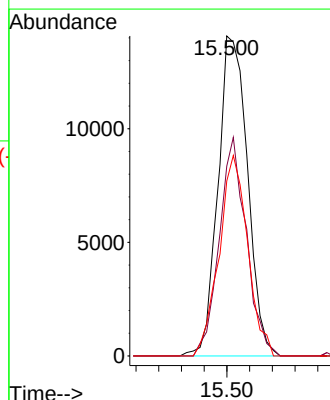
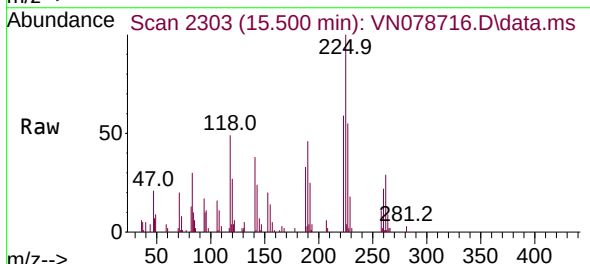
RT: 15.500 min Scan# 2303

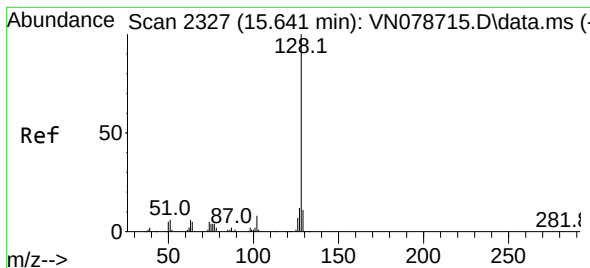
Delta R.T. -0.006 min

Lab File: VN078716.D

Acq: 01 Aug 2023 14:35

Tgt Ion:225	Resp:	25437
Ion Ratio	Lower	Upper
225	100	
223	62.8	0.0 130.0
227	60.6	0.0 124.0





#91

Naphthalene

Concen: 10.459 ug/l

RT: 15.647 min Scan# 2328

Delta R.T. 0.006 min

Lab File: VN078716.D

Acq: 01 Aug 2023 14:35

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC010

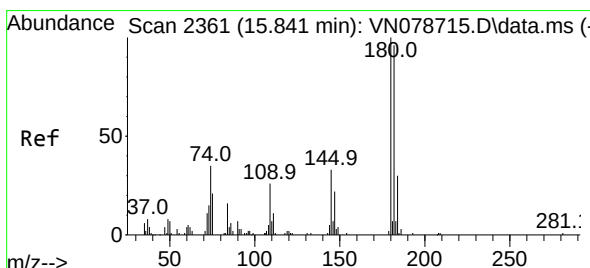
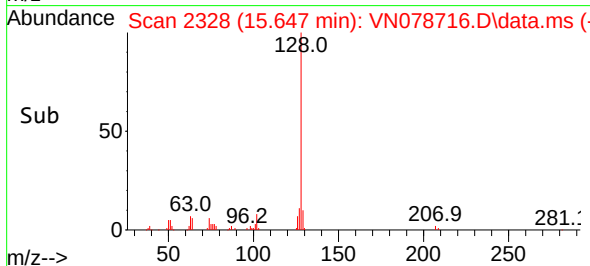
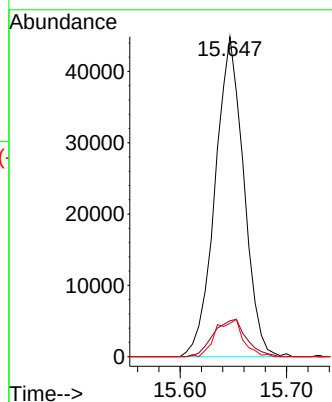
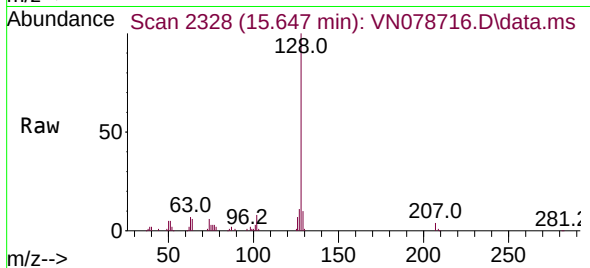
Tgt Ion:128	Resp:	8356
Ion Ratio	Lower	Upper
128	100	
127	13.4	10.2 15.2
129	6.3	9.0 13.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 08/02/2023

Supervised By :Mahesh Dadoda 08/02/2023



#92

1,2,3-Trichlorobenzene

Concen: 11.511 ug/l

RT: 15.841 min Scan# 2361

Delta R.T. -0.000 min

Lab File: VN078716.D

Acq: 01 Aug 2023 14:35

Tgt Ion:180	Resp:	35275
Ion Ratio	Lower	Upper
180	100	
182	89.1	0.0 196.4
145	34.2	0.0 71.0

