

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN031623\
 Data File : VN077017.D
 Acq On : 16 Mar 2023 13:08
 Operator : JC\MD
 Sample : VN0316WBSD02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0316WBSD02

Manual Integrations
 APPROVED

Reviewed By : John Carlone 03/17/2023
 Supervised By : Mahesh Dadoda 03/17/2023

Quant Time: Mar 17 03:22:12 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N030823W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Mar 09 04:16:54 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	7.819	128	51377	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.107	114	377332	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.866	117	409499	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.583	65	155975	33.029	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 110.100%#			
60) 4-Bromofluorobenzene	12.854	95	235704	30.412	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 101.367%			
63) Toluene-d8	10.572	98	441217	30.633	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 102.100%			
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	2.137	85	122057	18.565	ug/l	98
3) Chloromethane	2.378	50	91338	15.200	ug/l	96
4) Vinyl Chloride	2.531	62	96900	17.683	ug/l #	88
5) Bromomethane	2.978	94	69752	19.905	ug/l	87
6) Chloroethane	3.137	64	64347	19.984	ug/l	91
7) Trichlorofluoromethane	3.513	101	208147	20.333	ug/l	100
8) Diethyl Ether	3.978	74	81899	21.333	ug/l	93
9) 1,1,2-Trichlorotrifluo...	4.390	101	124455	21.460	ug/l	97
10) 1,1-Dichloroethene	4.354	96	114653	20.368	ug/l	96
11) Methyl Iodide	4.607	142	144187	21.259	ug/l	95
12) Methyl Acetate	5.037	43	210313	22.716	ug/l	96
13) Acrolein	4.195	56	157420	115.014	ug/l	100
14) Acrylonitrile	5.731	53	328198	107.612	ug/l	100
15) Acetone	4.443	58	116202	140.000	ug/l	96
16) Carbon Disulfide	4.725	76	327690	20.995	ug/l	98
17) Allyl chloride	5.037	41	202290	23.960	ug/l	97
18) Methylene Chloride	5.295	84	135009	20.505	ug/l	93
19) trans-1,2-Dichloroethene	5.801	96	122129	20.591	ug/l	93
20) Diisopropyl ether	6.684	45	446556	23.446	ug/l	97
21) 1,1-Dichloroethane	6.578	63	253788	22.391	ug/l	96
22) cis-1,2-Dichloroethene	7.495	96	141122	20.762	ug/l	96
23) tert-Butyl Alcohol	5.525	59	103738	117.118	ug/l #	100
24) Methyl tert-Butyl Ether	5.807	73	401835	21.896	ug/l	94
25) Chloroform	7.972	83	247623	21.267	ug/l	97
26) Cyclohexane	8.260	56	228585	22.089	ug/l #	97
29) 1,1-Dichloropropene	8.378	75	186454	20.979	ug/l	98
30) 2-Butanone	7.489	43	487985	120.346	ug/l	100
31) 2,2-Dichloropropane	7.495	77	198622	22.557	ug/l #	66
32) 1,1,1-Trichloroethane	8.172	97	211707	20.422	ug/l	98
33) Carbon Tetrachloride	8.366	117	182568	19.917	ug/l	94
34) Benzene	8.613	78	553348	20.308	ug/l	96
35) Methacrylonitrile	7.783	41	90367m	19.806	ug/l	
36) 1,2-Dichloroethane	8.678	62	194416	21.287	ug/l	99
37) Trichloroethene	9.354	130	122695	18.270	ug/l	95
38) Methylcyclohexane	9.607	83	234806	21.225	ug/l	97
39) 1,2-Dichloropropane	9.625	63	148198	21.169	ug/l	98
40) Dibromomethane	9.713	93	90363	20.261	ug/l	99
41) Bromodichloromethane	9.889	83	189486	20.731	ug/l	99
42) Vinyl Acetate	6.613	43	1483061	117.333	ug/l	99

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 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	7.566	43	181757	22.214	ug/l	99
44) Isopropyl Acetate	8.695	43	296282	22.339	ug/l	96
45) 1,4-Dioxane	9.701	88	47652	427.073	ug/l	92
46) Methyl methacrylate	9.683	41	147518	22.839	ug/l	93
47) n-amyl Acetate	12.495	43	251175	23.270	ug/l	94
48) t-1,3-Dichloropropene	10.836	75	201842	22.047	ug/l	99
49) cis-1,3-Dichloropropene	10.313	75	222487	21.397	ug/l	89
50) 1,1,2-Trichloroethane	11.019	97	127851	19.567	ug/l	99
51) Ethyl methacrylate	10.877	69	203854	21.163	ug/l	95
52) 1,3-Dichloropropane	11.166	76	234680	20.795	ug/l	99
53) Dibromochloromethane	11.360	129	131596	19.742	ug/l	99
54) 1,2-Dibromoethane	11.471	107	124197	19.698	ug/l	98
55) 2-Chloroethyl vinyl ether	10.160	63	438309	129.782	ug/l	98
56) Bromoform	12.583	173	86511	19.399	ug/l	99
58) 4-Methyl-2-Pentanone	10.448	43	929774	112.395	ug/l	95
59) 2-Hexanone	11.195	43	697262	118.652	ug/l	94
61) Tetrachloroethene	11.107	164	100179	15.497	ug/l	89
62) Toluene	10.630	91	581571	20.611	ug/l	98
64) Chlorobenzene	11.895	112	335198	20.181	ug/l	96
65) 1,1,1,2-Tetrachloroethane	11.960	131	122911	19.702	ug/l	97
66) Ethyl Benzene	11.966	91	636451	20.775	ug/l	100
67) m/p-Xylenes	12.071	106	484366	41.740	ug/l	92
68) o-Xylene	12.401	106	234826	20.727	ug/l	96
69) Styrene	12.413	104	378145	20.580	ug/l	97
70) Isopropylbenzene	12.701	105	615131	20.867	ug/l	97
71) 1,1,2,2-Tetrachloroethane	12.936	83	190061	21.384	ug/l	99
72) 1,2,3-Trichloropropane	12.995	75	146982m	18.027	ug/l	
73) Bromobenzene	12.983	156	131386	19.751	ug/l	89
74) n-propylbenzene	13.036	91	731496	21.023	ug/l	99
75) 2-Chlorotoluene	13.130	91	438842	20.394	ug/l	96
76) 1,3,5-Trimethylbenzene	13.177	105	528653	20.720	ug/l	93
77) t-1,4-Dichloro-2-butene	12.736	75	57966	23.290	ug/l	98
78) 4-Chlorotoluene	13.224	91	430553	20.757	ug/l	92
79) tert-butylbenzene	13.442	119	434593	20.368	ug/l	96
80) 1,2,4-Trimethylbenzene	13.483	105	521632	20.803	ug/l	94
81) sec-Butylbenzene	13.618	105	631734	20.694	ug/l	98
82) p-Isopropyltoluene	13.730	119	512357	20.766	ug/l	97
83) 1,3-Dichlorobenzene	13.736	146	246652	20.040	ug/l	97
84) 1,4-Dichlorobenzene	13.812	146	239809	20.058	ug/l	97
85) n-Butylbenzene	14.060	91	443452	21.204	ug/l	97
86) Hexachloroethane	14.336	117	93533	21.232	ug/l	99
87) 1,2-Dichlorobenzene	14.107	146	241043	19.639	ug/l	96
88) 1,2-Dibromo-3-Chloropr...	14.724	75	36479	21.072	ug/l	95
89) 1,2,4-Trichlorobenzene	15.395	180	122358	18.688	ug/l	98
90) Hexachlorobutadiene	15.507	225	62683	18.160	ug/l	97
91) Naphthalene	15.642	128	391308	18.843	ug/l	98
92) 1,2,3-Trichlorobenzene	15.842	180	119662	18.230	ug/l	97

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

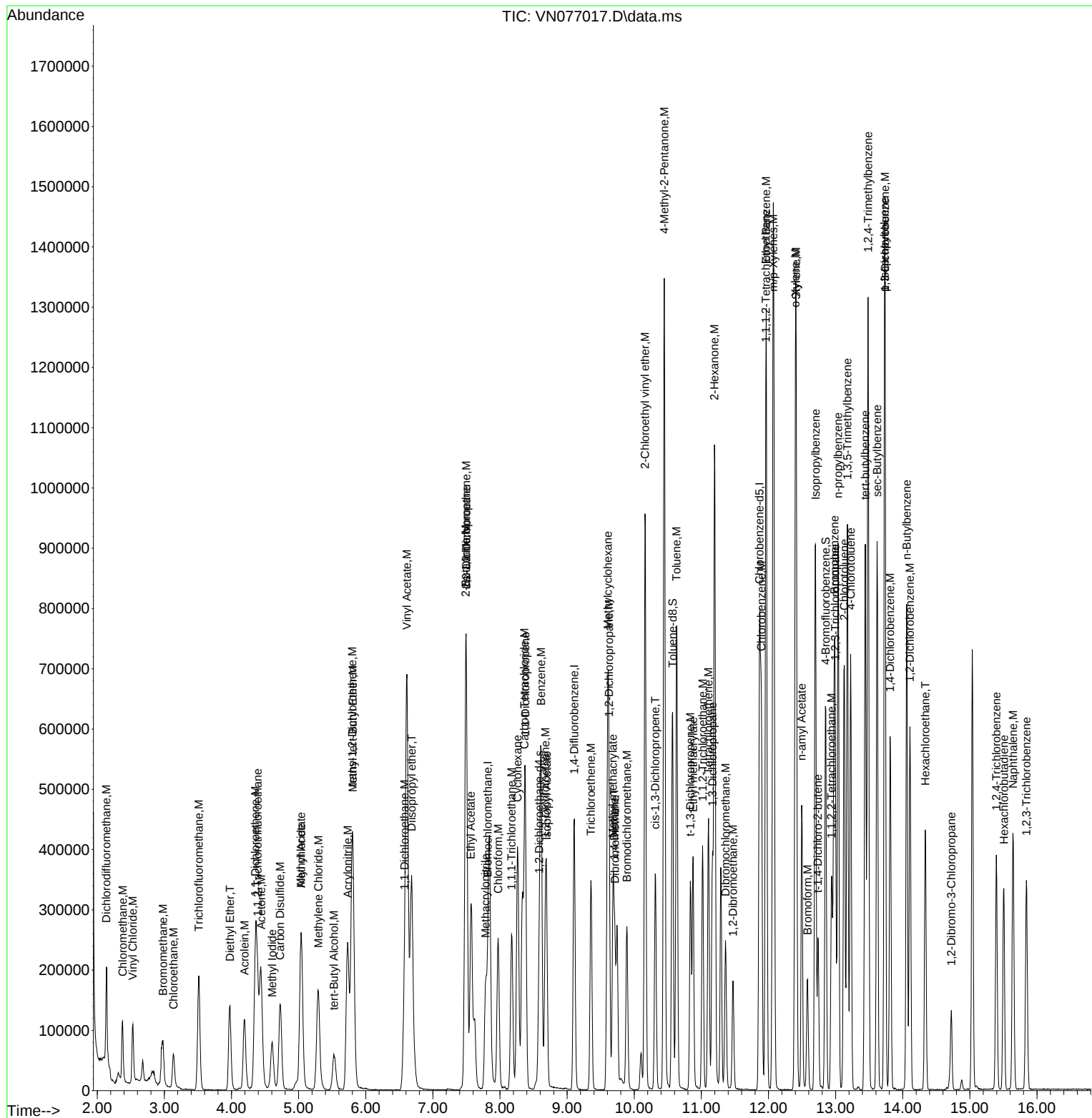
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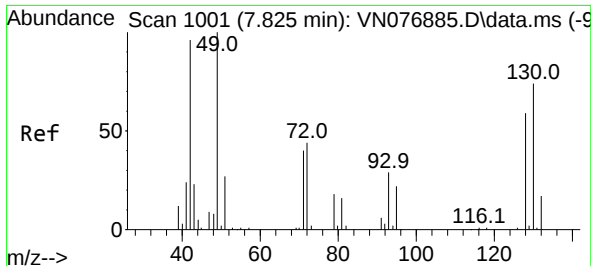
Instrument :
MSVOA_N
ClientSampleId :
VN0316WBSD02

Manual Integrations
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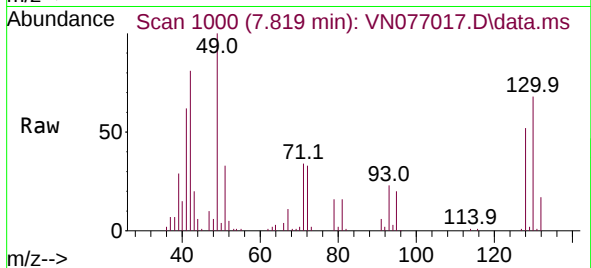
Quant Time: Mar 17 03:22:12 2023
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Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Thu Mar 09 04:16:54 2023
Response via : Initial Calibration





#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.819 min Scan# 10
Delta R.T. -0.006 min
Lab File: VN077017.D
Acq: 16 Mar 2023 13:08

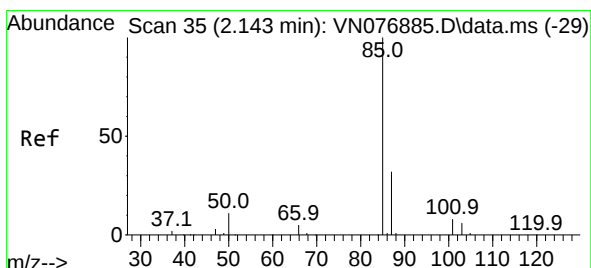
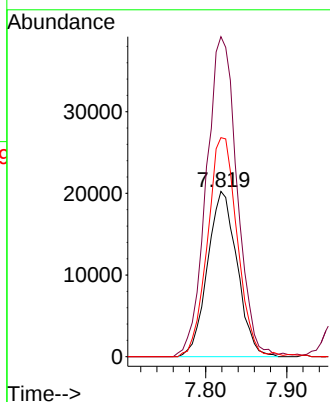
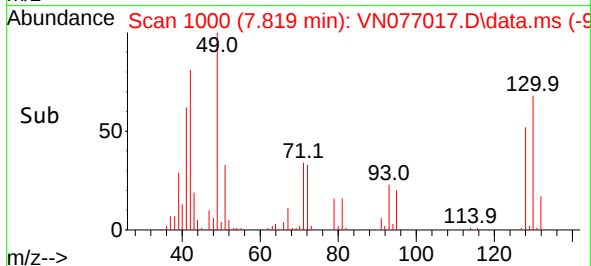
Instrument :
MSVOA_N
ClientSampleId :
VN0316WBSD02



Tgt Ion:128 Resp: 5137
Ion Ratio Lower Upper
128 100
49 200.8 0.0 461.8
130 132.5 0.0 295.3

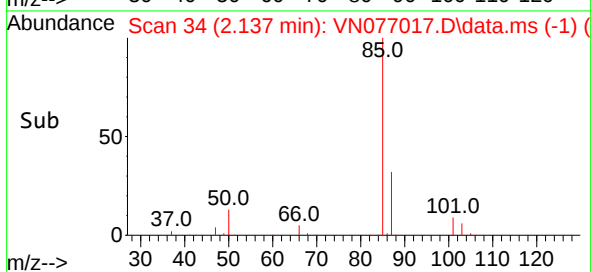
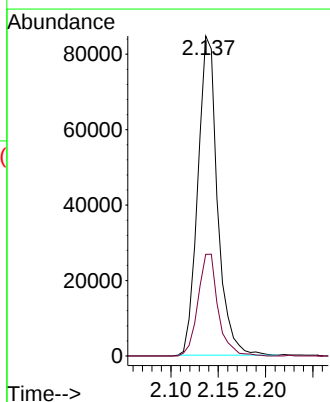
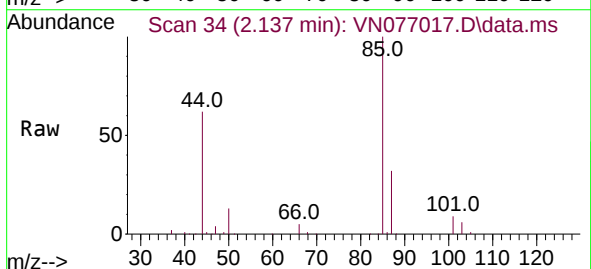
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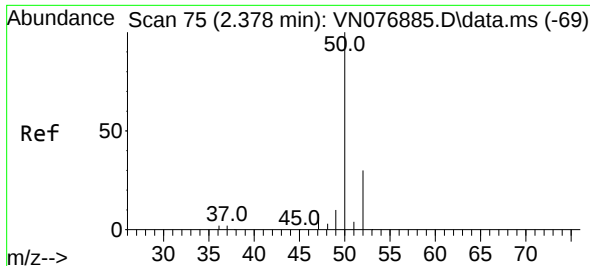
Reviewed By :John Carlone 03/17/2023
Supervised By :Mahesh Dadoda 03/17/2023



#2
Dichlorodifluoromethane
Concen: 18.565 ug/l
RT: 2.137 min Scan# 34
Delta R.T. -0.006 min
Lab File: VN077017.D
Acq: 16 Mar 2023 13:08

Tgt Ion: 85 Resp: 122057
Ion Ratio Lower Upper
85 100
87 31.8 15.4 46.1





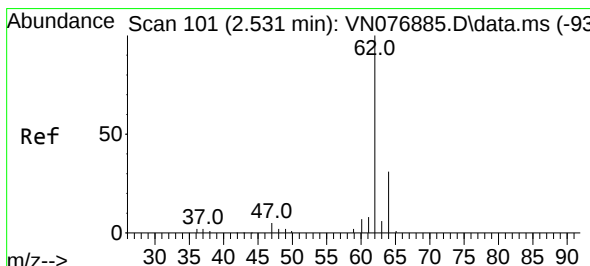
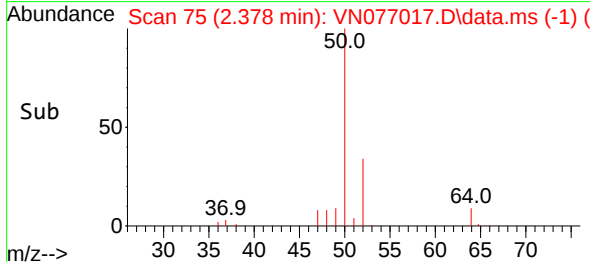
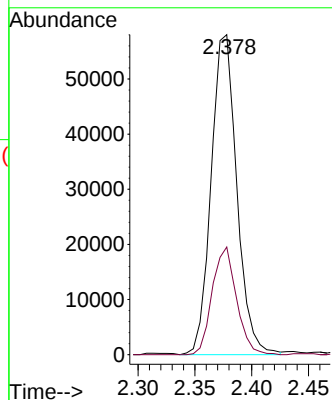
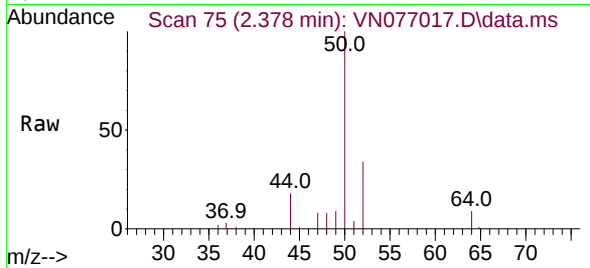
#3
Chloromethane
Concen: 15.200 ug/l
RT: 2.378 min Scan# 75
Delta R.T. -0.000 min
Lab File: VN077017.D
Acq: 16 Mar 2023 13:08

Instrument :
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ClientSampleId :
VN0316WBSD02

Tgt Ion: 50 Resp: 91338
Ion Ratio Lower Upper
50 100
52 33.7 25.3 37.9

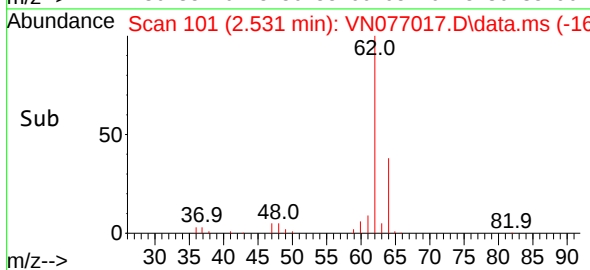
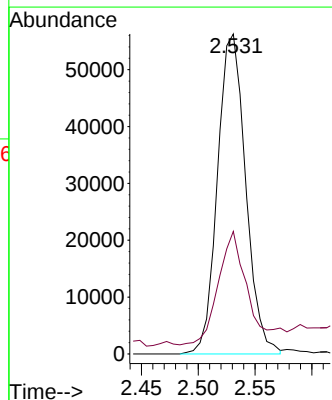
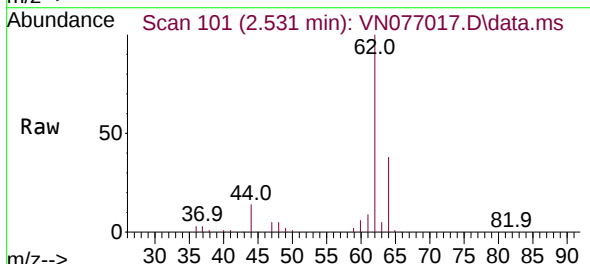
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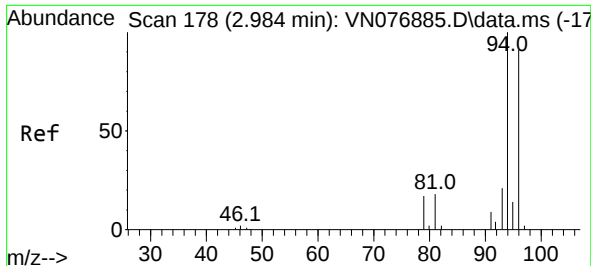
Reviewed By :John Carlone 03/17/2023
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#4
Vinyl Chloride
Concen: 17.683 ug/l
RT: 2.531 min Scan# 101
Delta R.T. -0.000 min
Lab File: VN077017.D
Acq: 16 Mar 2023 13:08

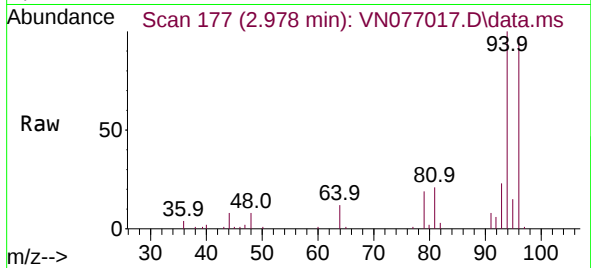
Tgt Ion: 62 Resp: 96900
Ion Ratio Lower Upper
62 100
64 35.5 23.1 34.7#





#5
Bromomethane
Concen: 19.905 ug/l
RT: 2.978 min Scan# 177
Delta R.T. 0.006 min
Lab File: VN077017.D
Acq: 16 Mar 2023 13:08

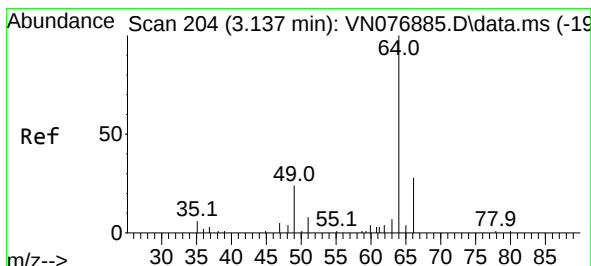
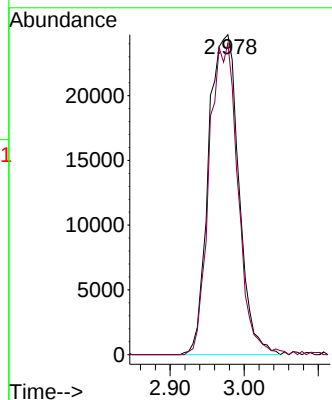
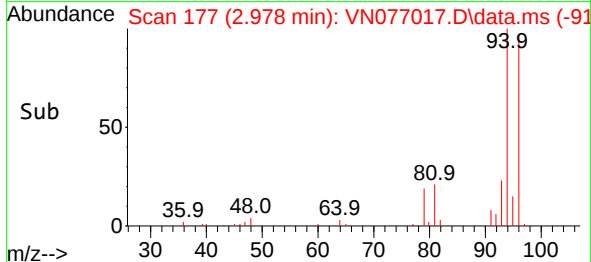
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Tgt Ion: 94 Resp: 69752
Ion Ratio Lower Upper
94 100
96 97.3 68.6 103.0

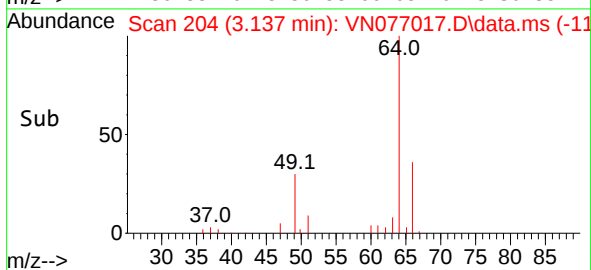
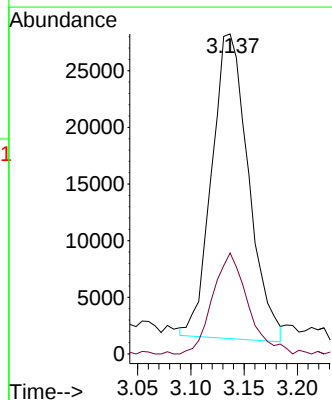
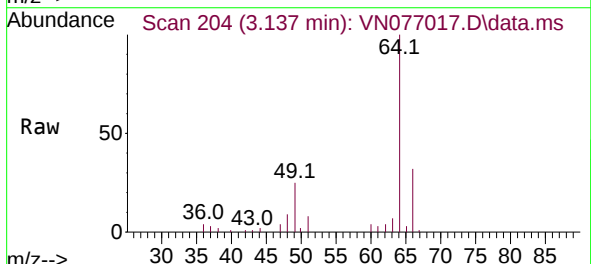
Manual Integrations
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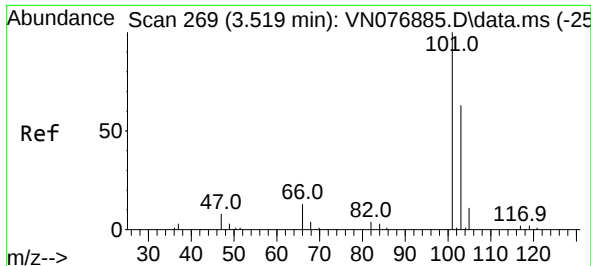
Reviewed By :John Carlone 03/17/2023
Supervised By :Mahesh Dadoda 03/17/2023



#6
Chloroethane
Concen: 19.984 ug/l
RT: 3.137 min Scan# 204
Delta R.T. -0.000 min
Lab File: VN077017.D
Acq: 16 Mar 2023 13:08

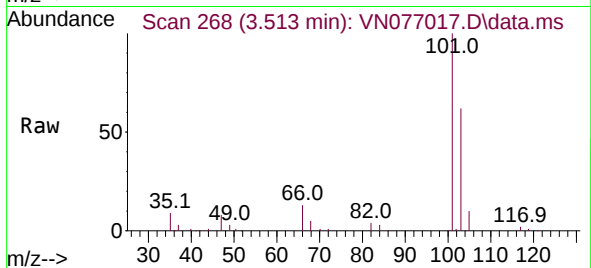
Tgt Ion: 64 Resp: 64347
Ion Ratio Lower Upper
64 100
66 34.4 23.8 35.6





#7
 Trichlorofluoromethane
 Concen: 20.333 ug/l
 RT: 3.513 min Scan# 268
 Delta R.T. 0.000 min
 Lab File: VN077017.D
 Acq: 16 Mar 2023 13:08

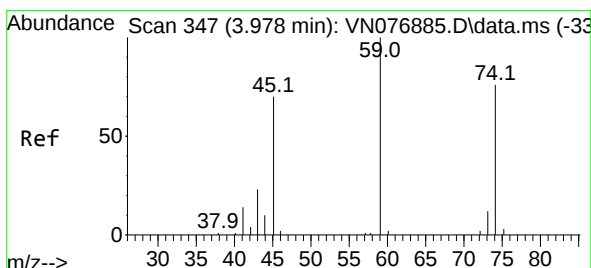
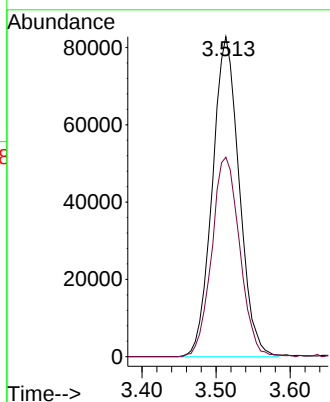
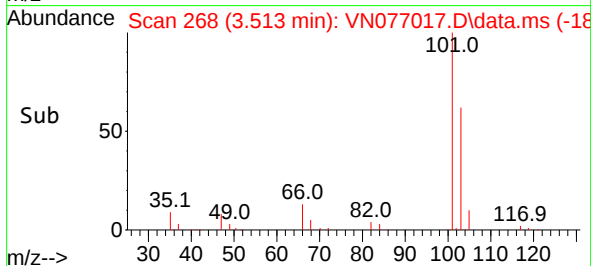
Instrument :
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 ClientSampleId :
 VN0316WBSD02



Tgt Ion:101 Resp: 20814
 Ion Ratio Lower Upper
 101 100
 103 62.3 50.2 75.2

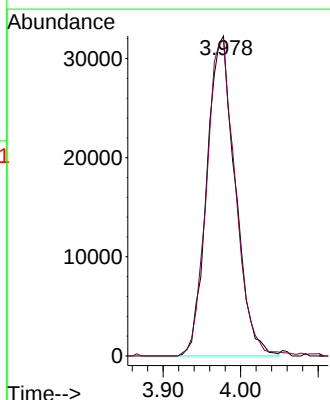
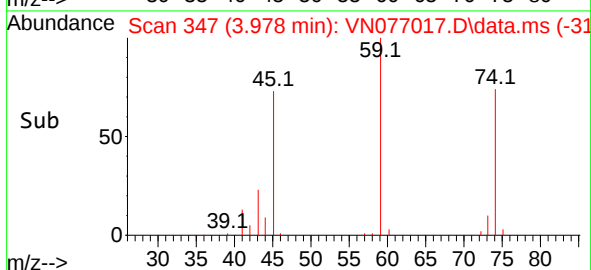
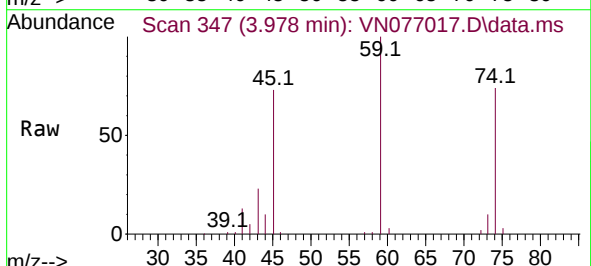
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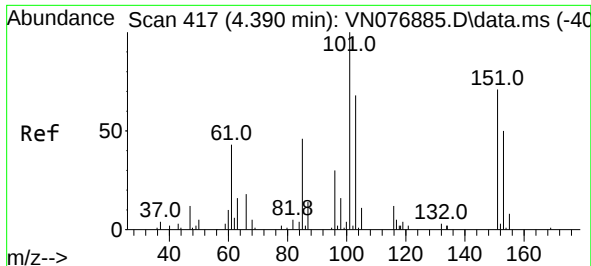
Reviewed By :John Carlone 03/17/2023
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#8
 Diethyl Ether
 Concen: 21.333 ug/l
 RT: 3.978 min Scan# 347
 Delta R.T. 0.006 min
 Lab File: VN077017.D
 Acq: 16 Mar 2023 13:08

Tgt Ion: 74 Resp: 81899
 Ion Ratio Lower Upper
 74 100
 45 100.0 21.4 193.0





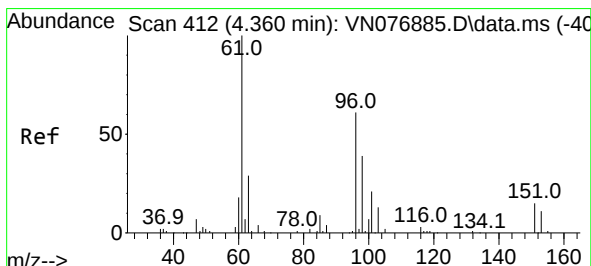
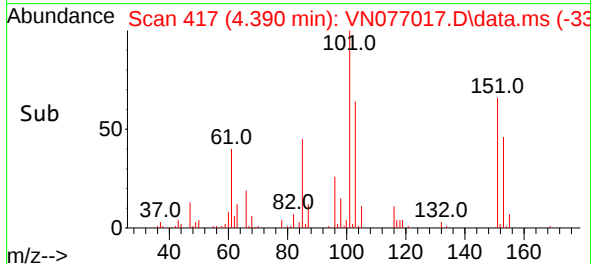
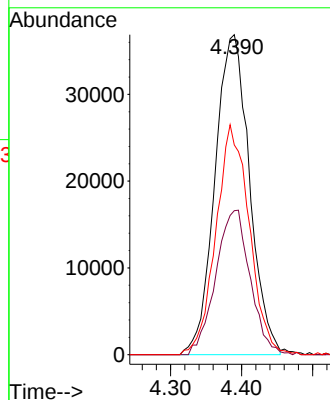
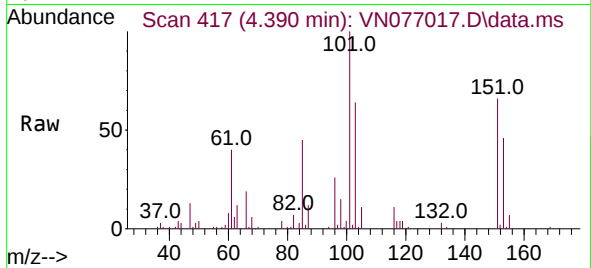
#9
1,1,2-Trichlorotrifluoroethane
Concen: 21.460 ug/l
RT: 4.390 min Scan# 417
Delta R.T. -0.000 min
Lab File: VN077017.D
Acq: 16 Mar 2023 13:08

Instrument :
MSVOA_N
ClientSampleId :
VN0316WBSD02

Tgt Ion:101 Resp: 12445
Ion Ratio Lower Upper
101 100
85 44.9 0.0 95.2
151 69.4 0.0 142.2

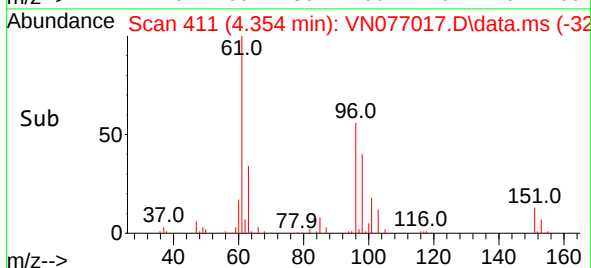
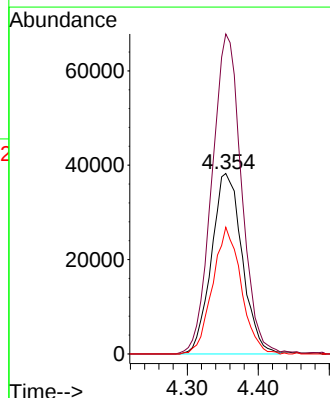
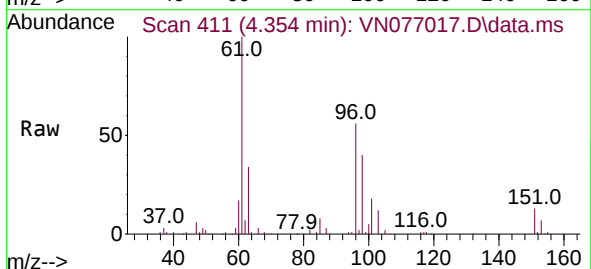
Manual Integrations
APPROVED

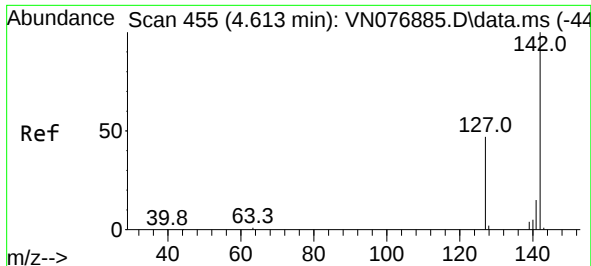
Reviewed By :John Carlone 03/17/2023
Supervised By :Mahesh Dadoda 03/17/2023



#10
1,1-Dichloroethene
Concen: 20.368 ug/l
RT: 4.354 min Scan# 411
Delta R.T. 0.000 min
Lab File: VN077017.D
Acq: 16 Mar 2023 13:08

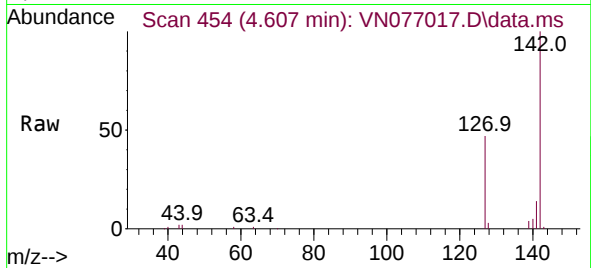
Tgt Ion: 96 Resp: 114653
Ion Ratio Lower Upper
96 100
61 176.6 137.1 205.7
98 70.2 53.2 79.8





#11
Methyl Iodide
Concen: 21.259 ug/l
RT: 4.607 min Scan# 41
Delta R.T. 0.000 min
Lab File: VN077017.D
Acq: 16 Mar 2023 13:08

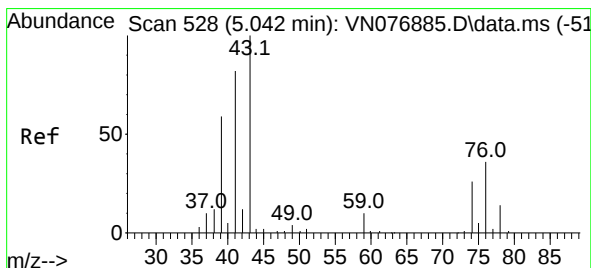
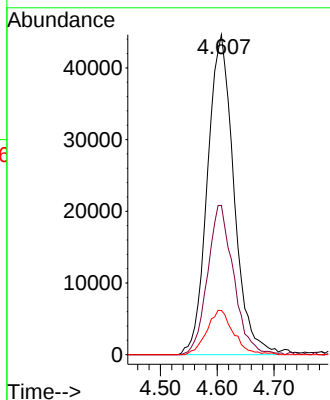
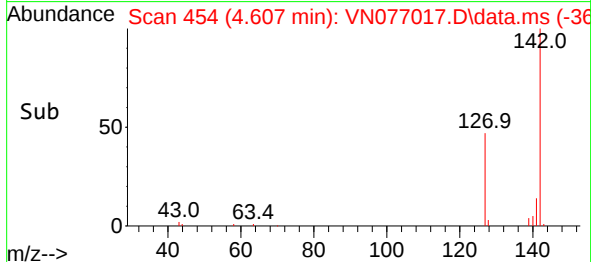
Instrument :
MSVOA_N
ClientSampleId :
VN0316WBSD02



Tgt Ion:142 Resp: 14418
Ion Ratio Lower Upper
142 100
127 46.6 25.0 75.0
141 13.9 8.0 24.0

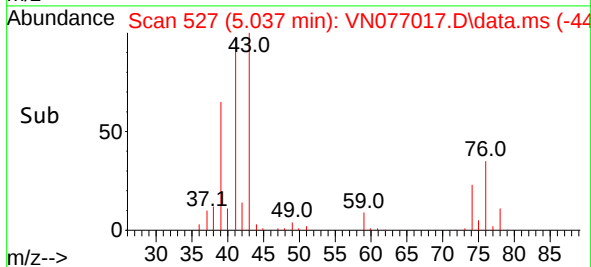
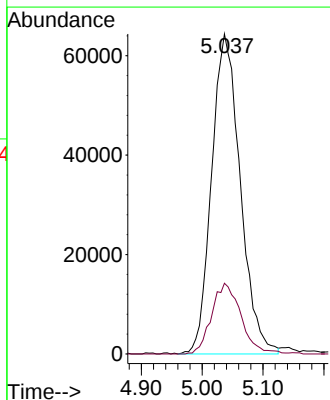
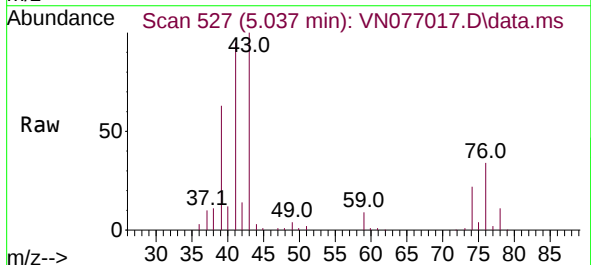
Manual Integrations
APPROVED

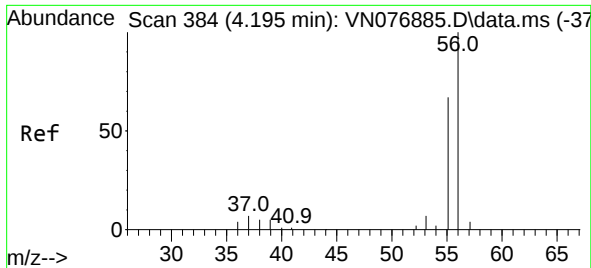
Reviewed By :John Carlone 03/17/2023
Supervised By :Mahesh Dadoda 03/17/2023



#12
Methyl Acetate
Concen: 22.716 ug/l
RT: 5.037 min Scan# 527
Delta R.T. -0.000 min
Lab File: VN077017.D
Acq: 16 Mar 2023 13:08

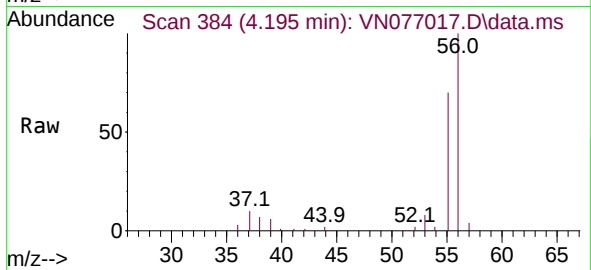
Tgt Ion: 43 Resp: 210313
Ion Ratio Lower Upper
43 100
74 21.9 19.0 28.4





#13
Acrolein
Concen: 115.014 ug/l
RT: 4.195 min Scan# 384
Delta R.T. 0.005 min
Lab File: VN077017.D
Acq: 16 Mar 2023 13:08

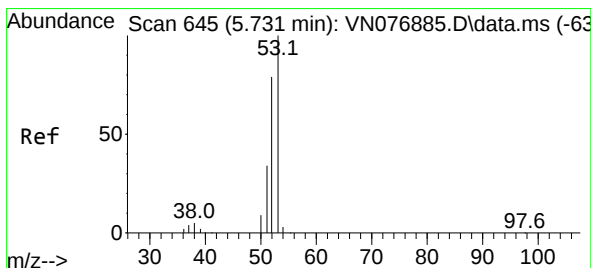
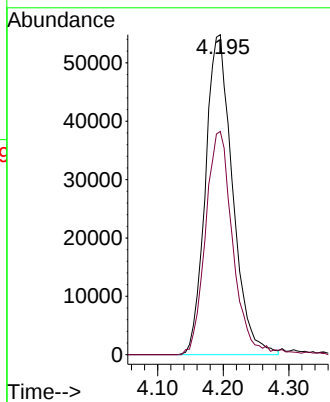
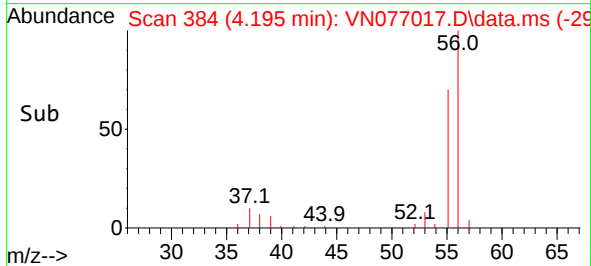
Instrument :
MSVOA_N
ClientSampleId :
VN0316WBSD02



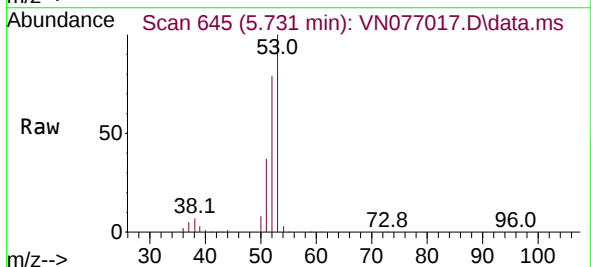
Tgt Ion: 56 Resp: 157420
Ion Ratio Lower Upper
56 100
55 68.9 55.0 82.4

Manual Integrations
APPROVED

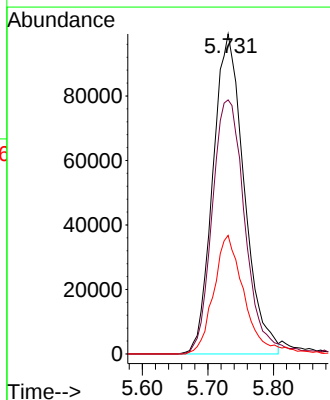
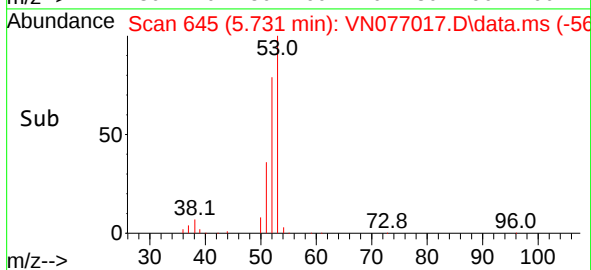
Reviewed By :John Carlone 03/17/2023
Supervised By :Mahesh Dadoda 03/17/2023

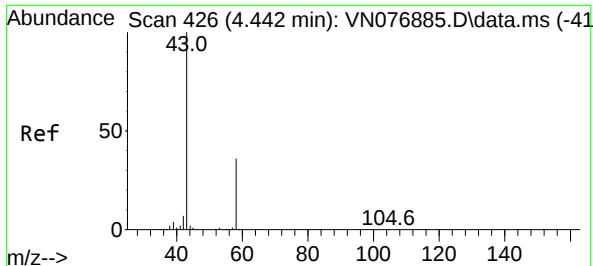


#14
Acrylonitrile
Concen: 107.612 ug/l
RT: 5.731 min Scan# 645
Delta R.T. -0.006 min
Lab File: VN077017.D
Acq: 16 Mar 2023 13:08



Tgt Ion: 53 Resp: 328198
Ion Ratio Lower Upper
53 100
52 82.8 41.5 124.6
51 35.6 17.6 52.8





#15

Acetone

Concen: 140.000 ug/l

RT: 4.443 min Scan# 41

Delta R.T. 0.006 min

Lab File: VN077017.D

Acq: 16 Mar 2023 13:08

Instrument :

MSVOA_N

ClientSampleId :

VN0316WBSD02

Tgt Ion: 58 Resp: 11620

Ion Ratio Lower Upper

58 100

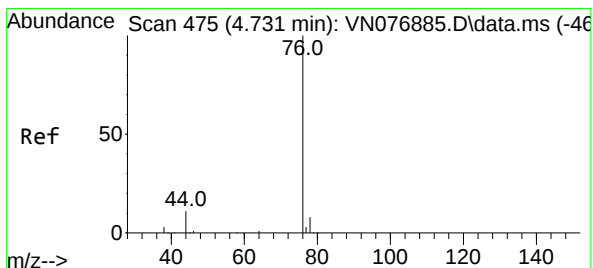
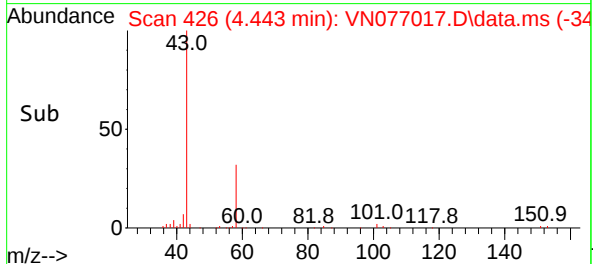
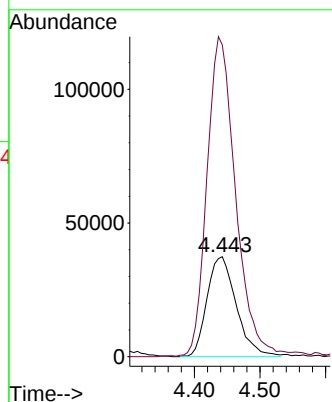
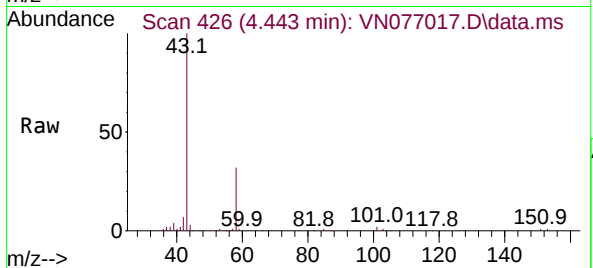
43 310.3 255.4 383.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/17/2023

Supervised By :Mahesh Dadoda 03/17/2023



#16

Carbon Disulfide

Concen: 20.995 ug/l

RT: 4.725 min Scan# 474

Delta R.T. -0.006 min

Lab File: VN077017.D

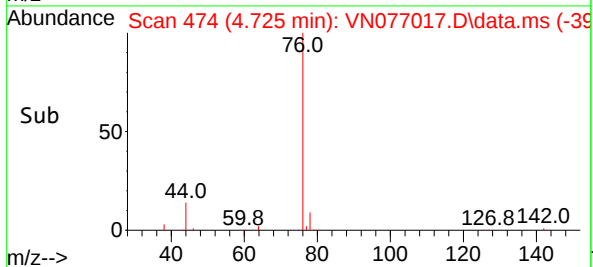
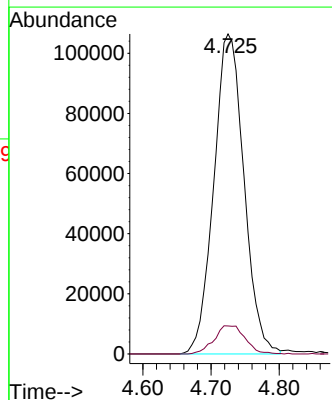
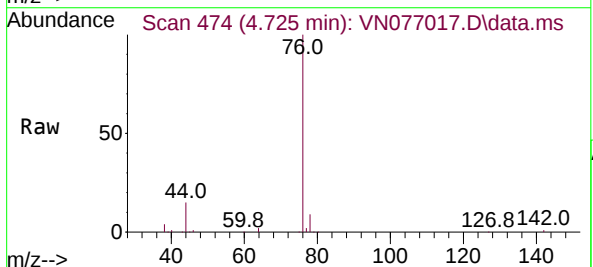
Acq: 16 Mar 2023 13:08

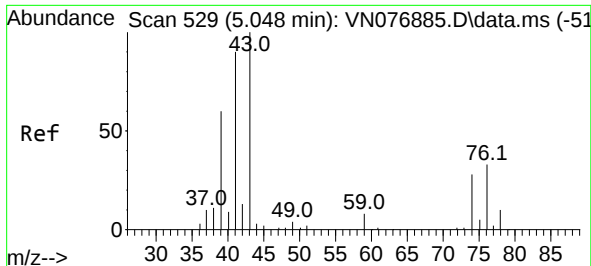
Tgt Ion: 76 Resp: 327690

Ion Ratio Lower Upper

76 100

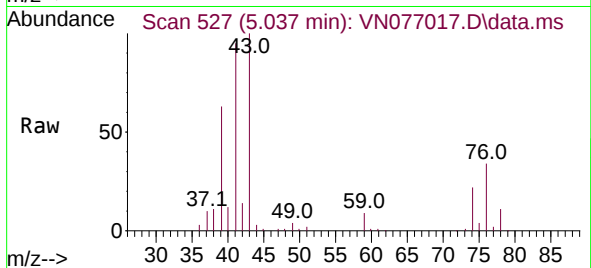
78 8.7 6.6 9.8





#17
 Allyl chloride
 Concen: 23.960 ug/l
 RT: 5.037 min Scan# 51
 Delta R.T. -0.000 min
 Lab File: VN077017.D
 Acq: 16 Mar 2023 13:08

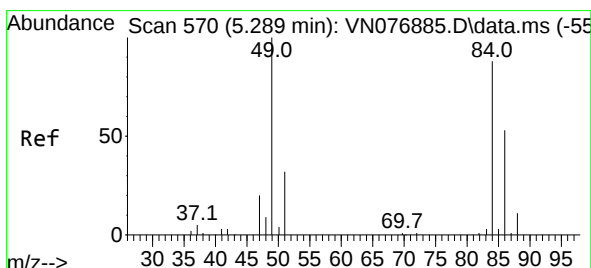
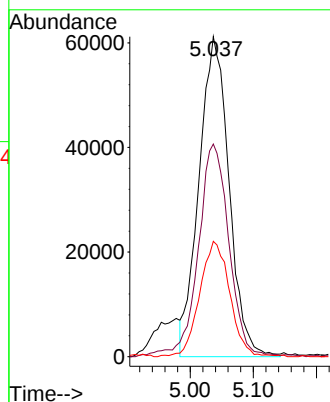
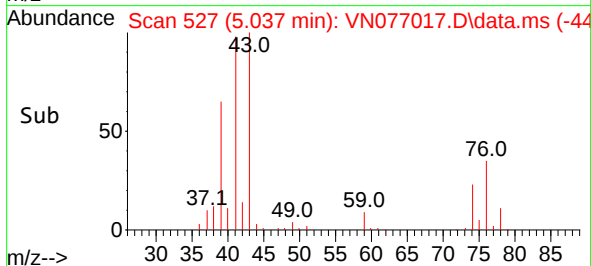
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0316WBSD02



Tgt Ion: 41 Resp: 202290
 Ion Ratio Lower Upper
 41 100
 39 66.7 34.8 104.3
 76 35.8 17.5 52.5

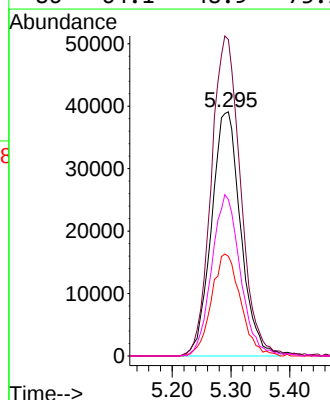
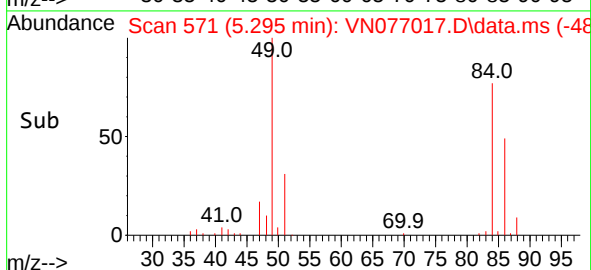
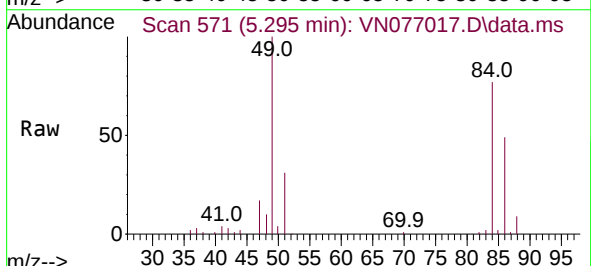
Manual Integrations
 APPROVED

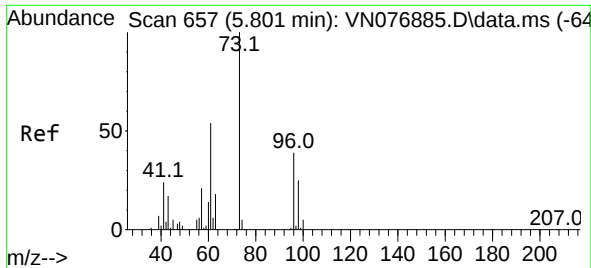
Reviewed By :John Carlone 03/17/2023
 Supervised By :Mahesh Dadoda 03/17/2023



#18
 Methylene Chloride
 Concen: 20.505 ug/l
 RT: 5.295 min Scan# 571
 Delta R.T. 0.000 min
 Lab File: VN077017.D
 Acq: 16 Mar 2023 13:08

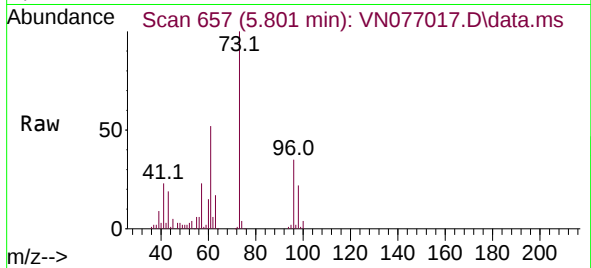
Tgt Ion: 84 Resp: 135009
 Ion Ratio Lower Upper
 84 100
 49 129.6 113.8 170.6
 51 40.8 34.2 51.4
 86 64.1 48.9 73.3





#19
trans-1,2-Dichloroethene
Concen: 20.591 ug/l
RT: 5.801 min Scan# 657
Delta R.T. 0.000 min
Lab File: VN077017.D
Acq: 16 Mar 2023 13:08

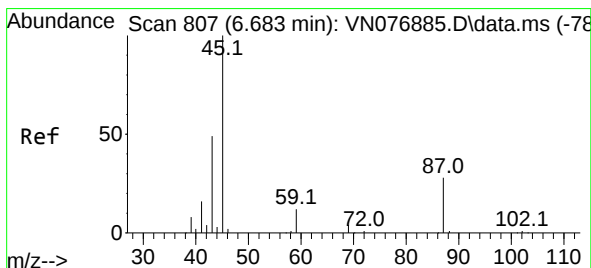
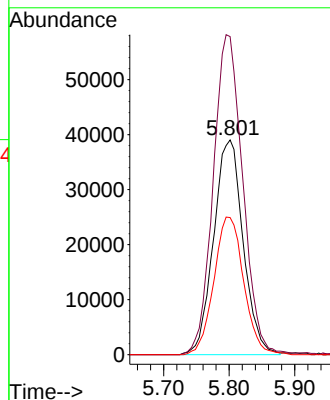
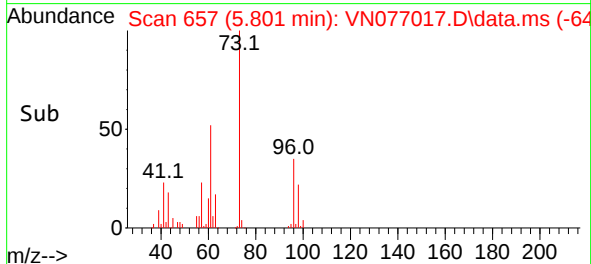
Instrument :
MSVOA_N
ClientSampleId :
VN0316WBSD02



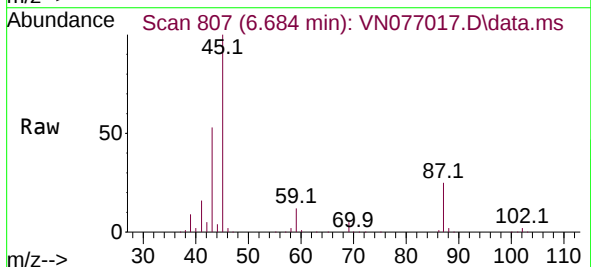
Tgt Ion: 96 Resp: 122129
Ion Ratio Lower Upper
96 100
61 148.1 111.0 166.4
98 63.8 55.0 82.6

Manual Integrations
APPROVED

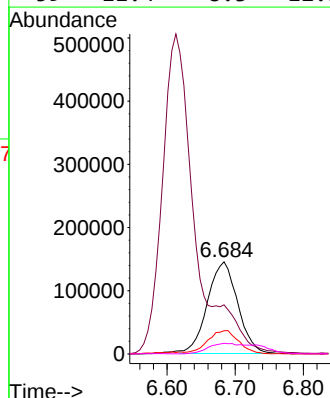
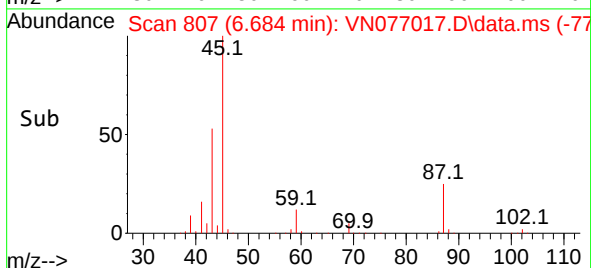
Reviewed By :John Carlone 03/17/2023
Supervised By :Mahesh Dadoda 03/17/2023

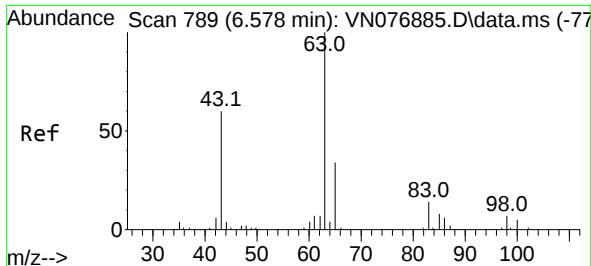


#20
Diisopropyl ether
Concen: 23.446 ug/l
RT: 6.684 min Scan# 807
Delta R.T. -0.005 min
Lab File: VN077017.D
Acq: 16 Mar 2023 13:08



Tgt Ion: 45 Resp: 446556
Ion Ratio Lower Upper
45 100
43 51.3 38.6 58.0
87 25.1 20.1 30.1
59 11.4 8.3 12.5





#21

1,1-Dichloroethane

Concen: 22.391 ug/l

RT: 6.578 min Scan# 789

Delta R.T. -0.000 min

Lab File: VN077017.D

Acq: 16 Mar 2023 13:08

Instrument :

MSVOA_N

ClientSampleId :

VN0316WBSD02

Tgt Ion: 63 Resp: 25378

Ion Ratio Lower Upper

63 100

98 6.4 3.6 10.9

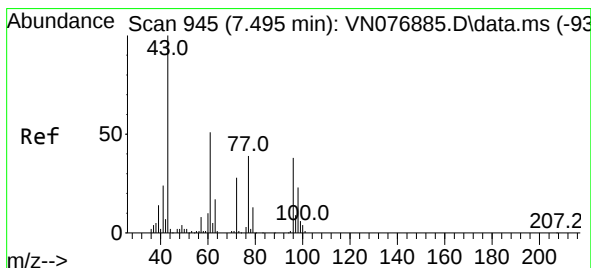
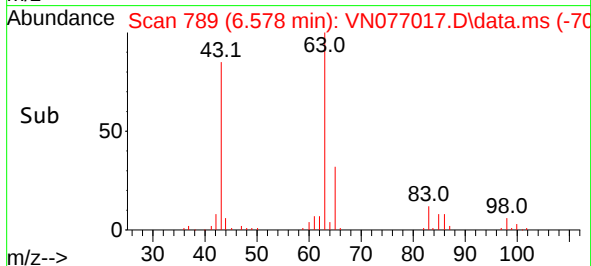
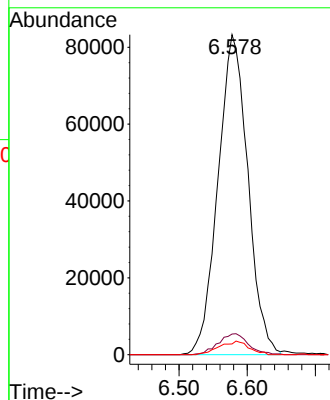
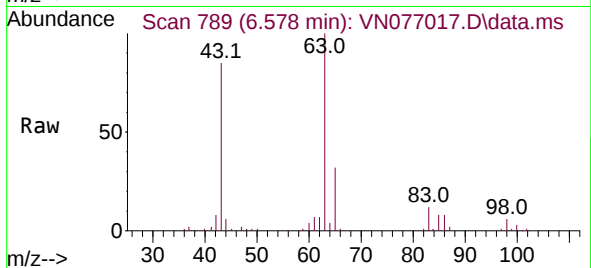
100 3.3 2.6 7.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/17/2023

Supervised By :Mahesh Dadoda 03/17/2023



#22

cis-1,2-Dichloroethene

Concen: 20.762 ug/l

RT: 7.495 min Scan# 945

Delta R.T. 0.000 min

Lab File: VN077017.D

Acq: 16 Mar 2023 13:08

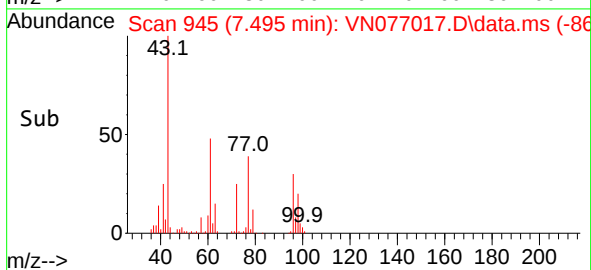
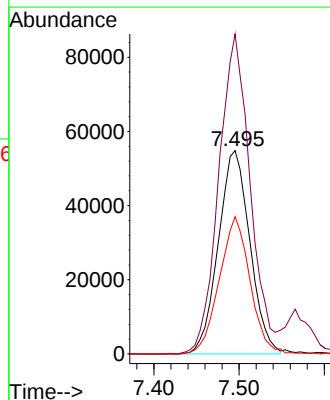
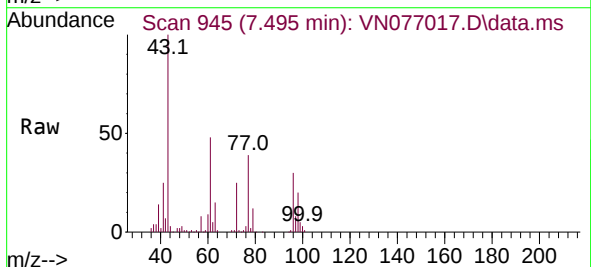
Tgt Ion: 96 Resp: 141122

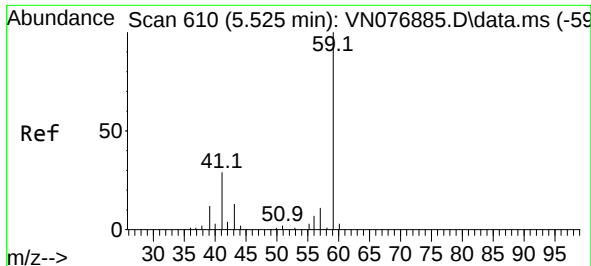
Ion Ratio Lower Upper

96 100

61 156.2 121.0 181.4

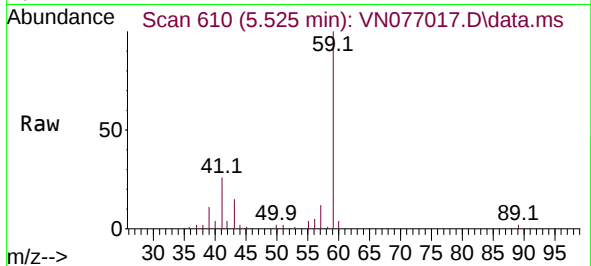
98 65.5 50.1 75.1





#23
tert-Butyl Alcohol
Concen: 117.118 ug/l
RT: 5.525 min Scan# 610
Delta R.T. -0.006 min
Lab File: VN077017.D
Acq: 16 Mar 2023 13:08

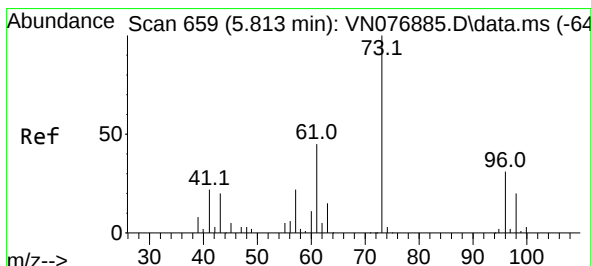
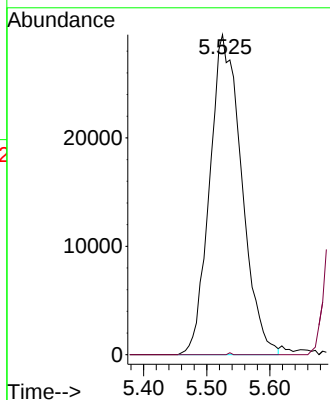
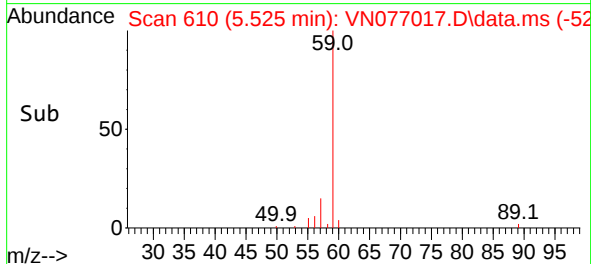
Instrument :
MSVOA_N
ClientSampleId :
VN0316WBSD02



Tgt Ion: 59 Resp: 103738
Ion Ratio Lower Upper
59 100
52 0.0 0.2 0.2

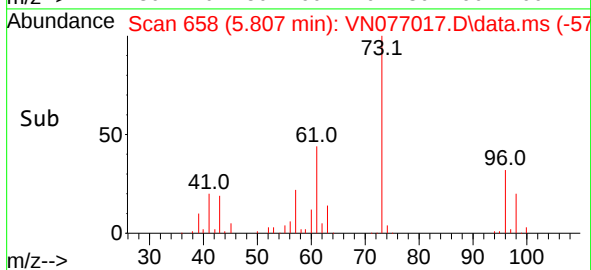
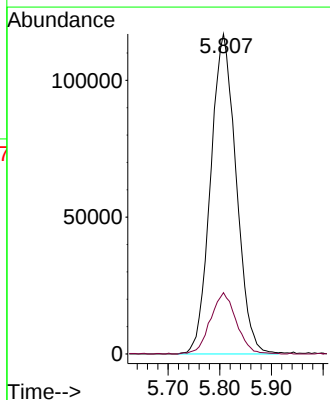
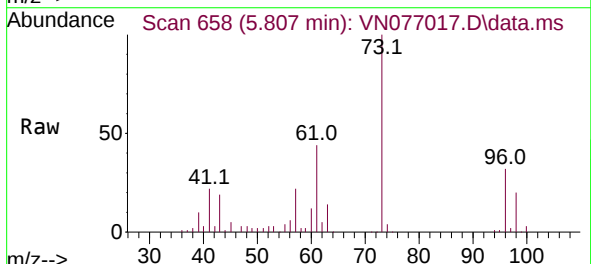
Manual Integrations
APPROVED

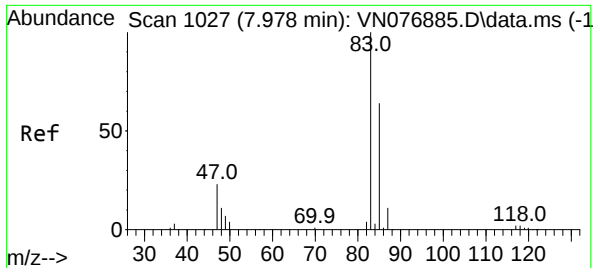
Reviewed By :John Carlone 03/17/2023
Supervised By :Mahesh Dadoda 03/17/2023



#24
Methyl tert-Butyl Ether
Concen: 21.896 ug/l
RT: 5.807 min Scan# 658
Delta R.T. 0.000 min
Lab File: VN077017.D
Acq: 16 Mar 2023 13:08

Tgt Ion: 73 Resp: 401835
Ion Ratio Lower Upper
73 100
43 19.4 17.8 26.6





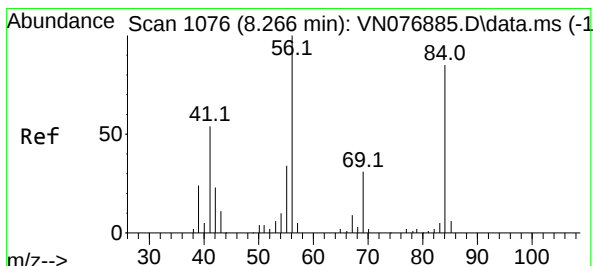
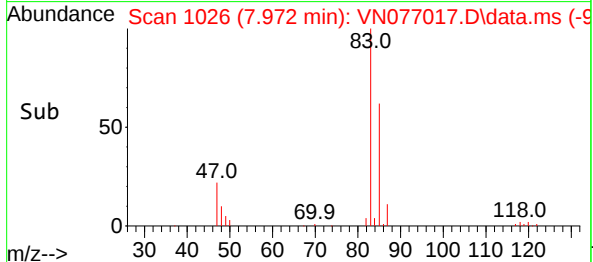
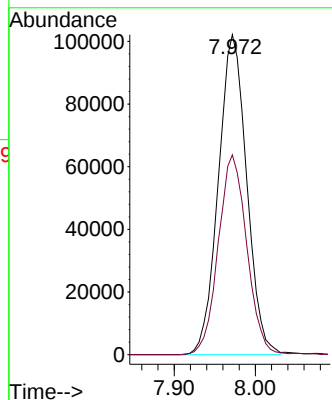
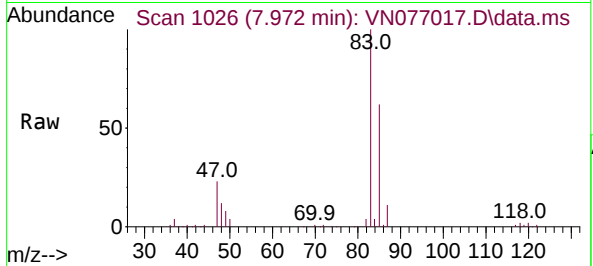
#25
Chloroform
Concen: 21.267 ug/l
RT: 7.972 min Scan# 1026
Delta R.T. -0.000 min
Lab File: VN077017.D
Acq: 16 Mar 2023 13:08

Instrument :
MSVOA_N
ClientSampleId :
VN0316WBSD02

Tgt Ion: 83 Resp: 24762
Ion Ratio Lower Upper
83 100
85 62.4 51.8 77.6

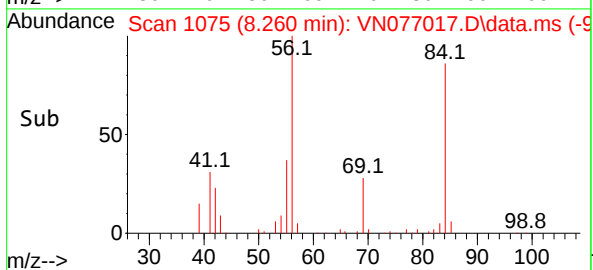
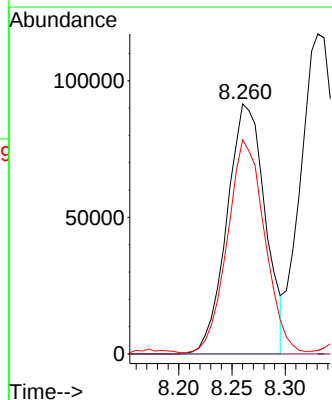
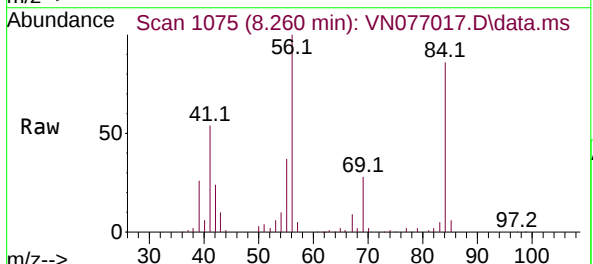
Manual Integrations
APPROVED

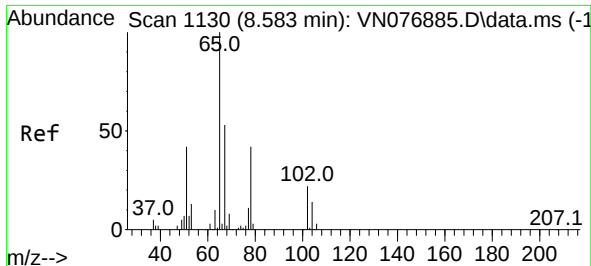
Reviewed By :John Carlone 03/17/2023
Supervised By :Mahesh Dadoda 03/17/2023



#26
Cyclohexane
Concen: 22.089 ug/l
RT: 8.260 min Scan# 1075
Delta R.T. -0.006 min
Lab File: VN077017.D
Acq: 16 Mar 2023 13:08

Tgt Ion: 56 Resp: 228585
Ion Ratio Lower Upper
56 100
89 0.0 0.0 0.0
84 84.1 65.3 97.9





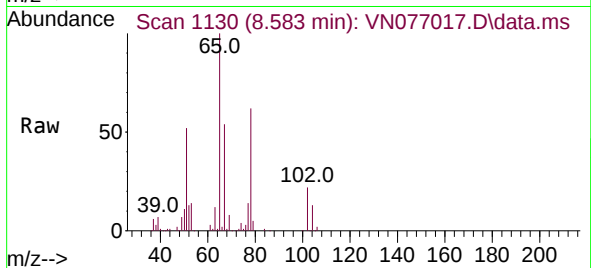
#27
1,2-Dichloroethane-d4
Concen: 33.029 ug/l
RT: 8.583 min Scan# 1130
Delta R.T. 0.000 min
Lab File: VN077017.D
Acq: 16 Mar 2023 13:08

Instrument :

MSVOA_N

ClientSampleId :

VN0316WBSD02



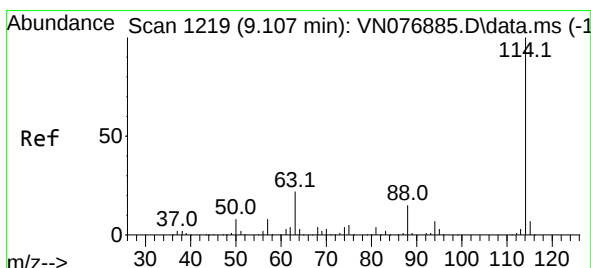
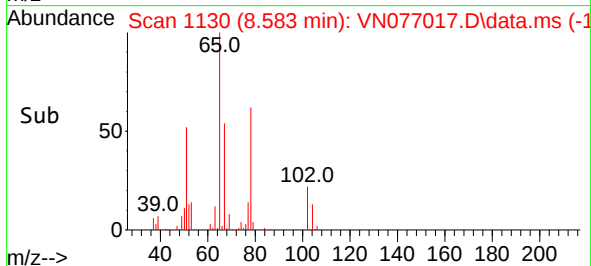
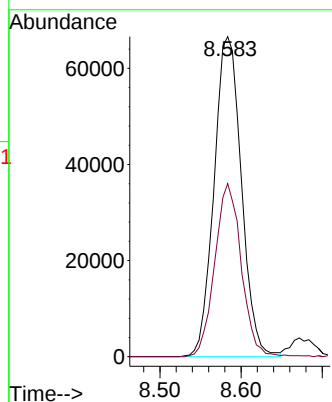
Tgt Ion: 65 Resp: 15597
Ion Ratio Lower Upper
65 100
67 52.3 40.9 61.3

Manual Integrations

APPROVED

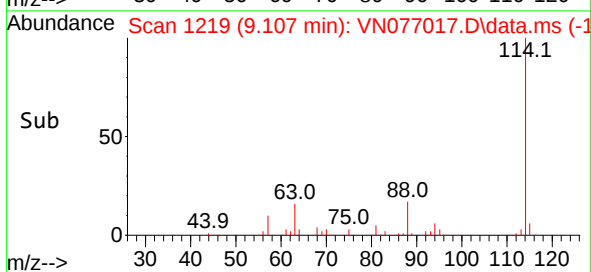
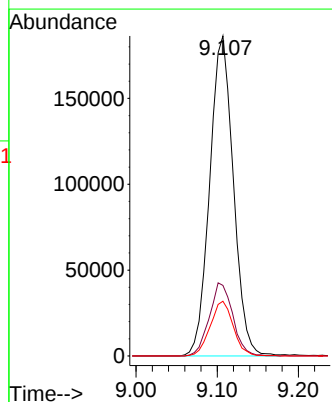
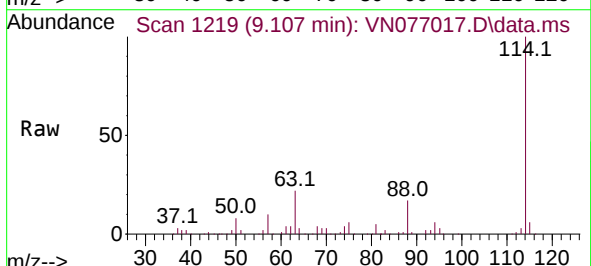
Reviewed By :John Carlone 03/17/2023

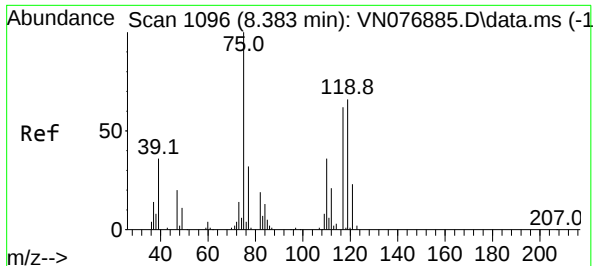
Supervised By :Mahesh Dadoda 03/17/2023



#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 9.107 min Scan# 1219
Delta R.T. -0.000 min
Lab File: VN077017.D
Acq: 16 Mar 2023 13:08

Tgt Ion:114 Resp: 377332
Ion Ratio Lower Upper
114 100
63 22.6 17.0 25.4
88 16.6 11.6 17.4





#29

1,1-Dichloropropene

Concen: 20.979 ug/l

RT: 8.378 min Scan# 1095

Delta R.T. -0.000 min

Lab File: VN077017.D

Acq: 16 Mar 2023 13:08

Instrument :

MSVOA_N

ClientSampleId :

VN0316WBSD02

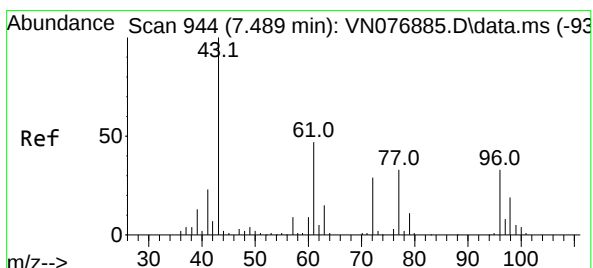
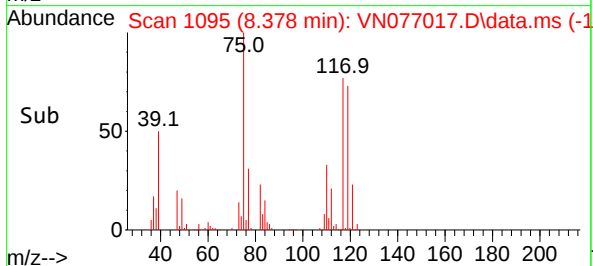
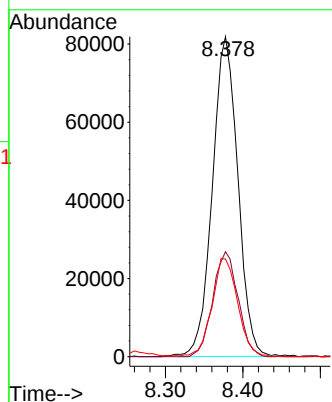
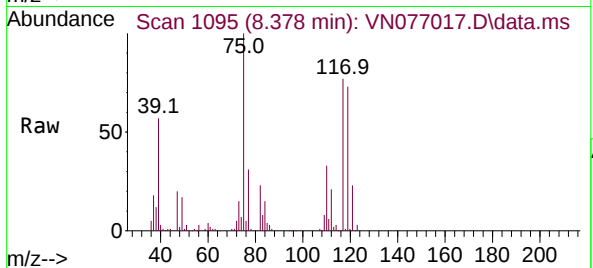
Tgt Ion: 75	Resp: 186454
Ion Ratio	Lower Upper
75 100	
110 32.6	0.0 67.2
77 31.1	0.0 64.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/17/2023

Supervised By :Mahesh Dadoda 03/17/2023



#30

2-Butanone

Concen: 120.346 ug/l

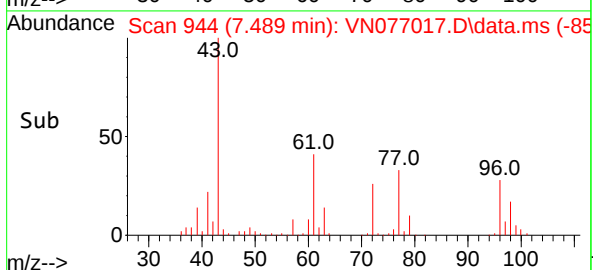
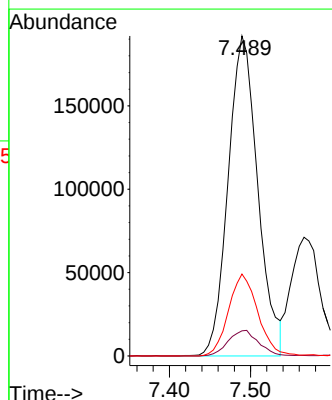
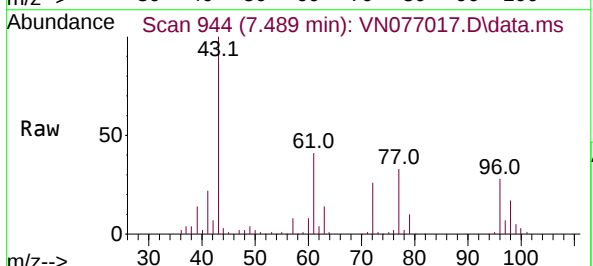
RT: 7.489 min Scan# 944

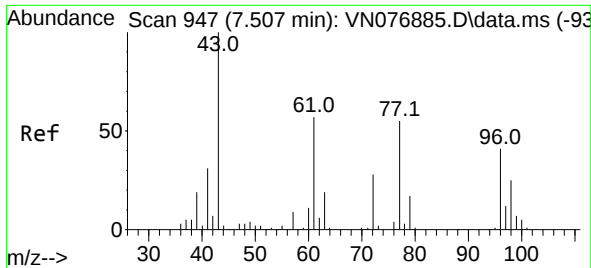
Delta R.T. 0.000 min

Lab File: VN077017.D

Acq: 16 Mar 2023 13:08

Tgt Ion: 43	Resp: 487985
Ion Ratio	Lower Upper
43 100	
57 8.2	6.1 9.1
72 25.3	20.2 30.4





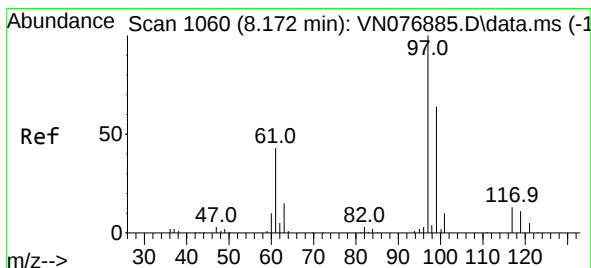
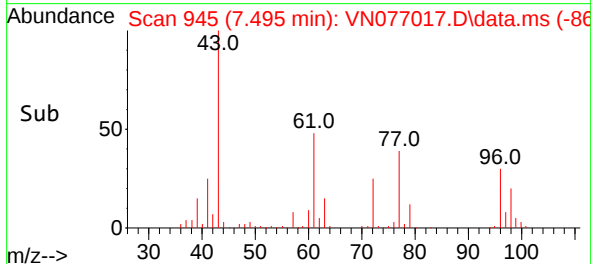
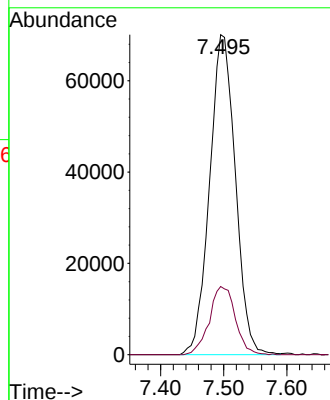
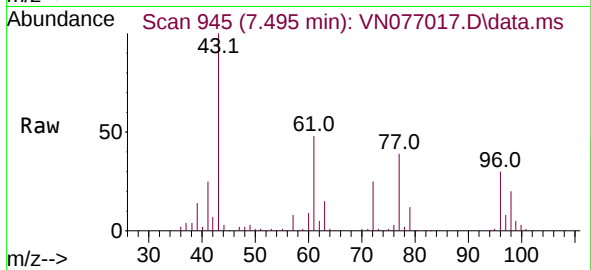
#31
2,2-Dichloropropane
Concen: 22.557 ug/l
RT: 7.495 min Scan# 947
Delta R.T. -0.006 min
Lab File: VN077017.D
Acq: 16 Mar 2023 13:08

Instrument :
MSVOA_N
ClientSampleId :
VN0316WBSD02

Tgt Ion: 77 Resp: 19862
Ion Ratio Lower Upper
77 100
97 21.4 7.2 10.8

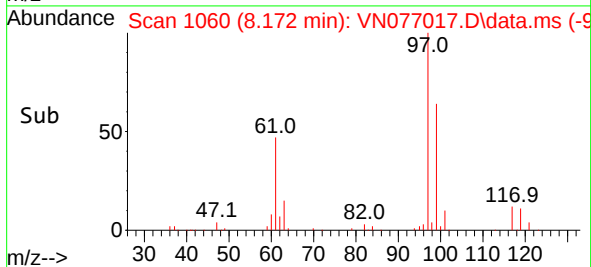
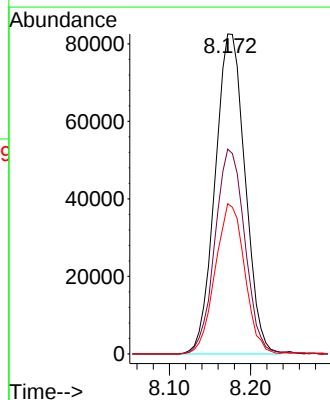
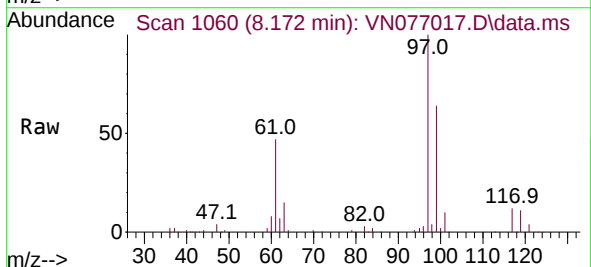
Manual Integrations
APPROVED

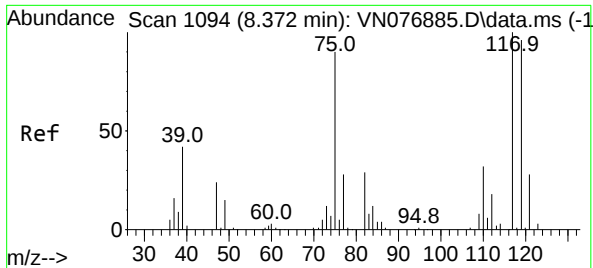
Reviewed By :John Carlone 03/17/2023
Supervised By :Mahesh Dadoda 03/17/2023



#32
1,1,1-Trichloroethane
Concen: 20.422 ug/l
RT: 8.172 min Scan# 1060
Delta R.T. -0.006 min
Lab File: VN077017.D
Acq: 16 Mar 2023 13:08

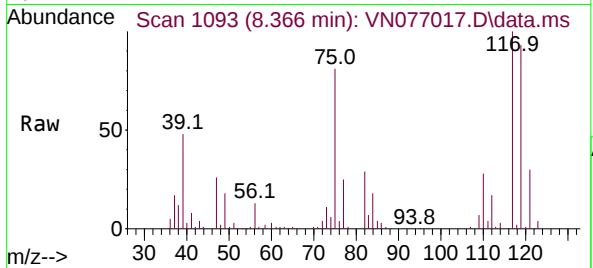
Tgt Ion: 97 Resp: 211707
Ion Ratio Lower Upper
97 100
99 64.0 51.8 77.8
61 46.2 39.3 58.9





#33
Carbon Tetrachloride
Concen: 19.917 ug/l
RT: 8.366 min Scan# 1093
Delta R.T. -0.006 min
Lab File: VN077017.D
Acq: 16 Mar 2023 13:08

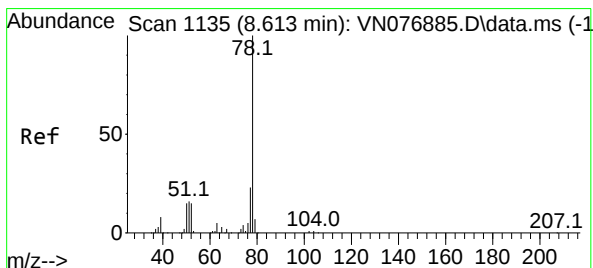
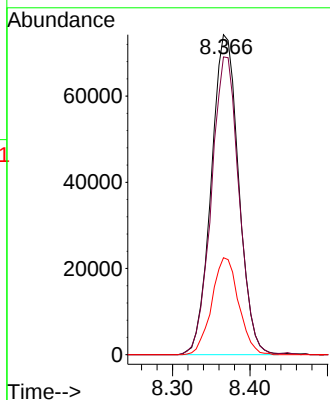
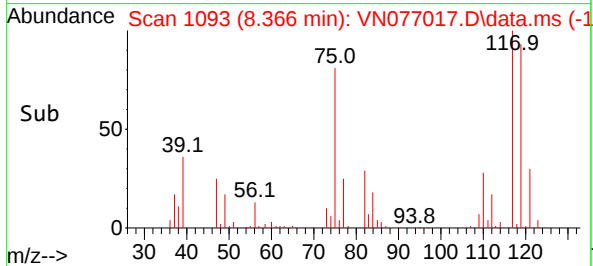
Instrument :
MSVOA_N
ClientSampleId :
VN0316WBSD02



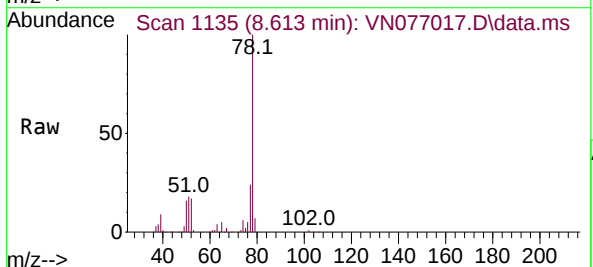
Tgt Ion:117 Resp: 182568
Ion Ratio Lower Upper
117 100
119 93.1 79.8 119.8
121 30.3 23.4 35.0

Manual Integrations
APPROVED

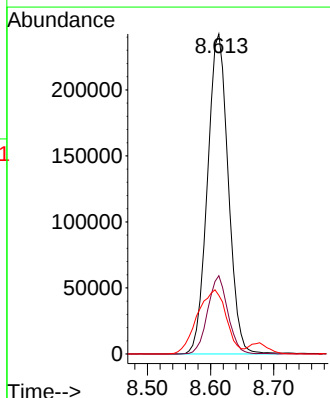
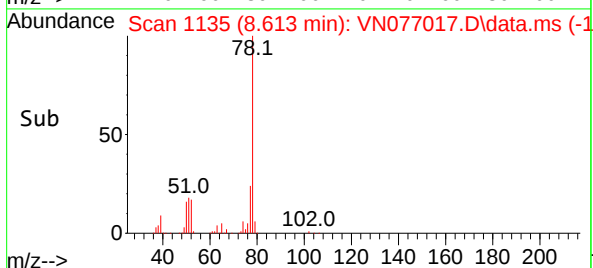
Reviewed By :John Carlone 03/17/2023
Supervised By :Mahesh Dadoda 03/17/2023

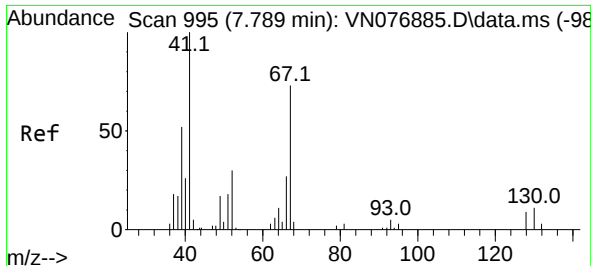


#34
Benzene
Concen: 20.308 ug/l
RT: 8.613 min Scan# 1135
Delta R.T. -0.000 min
Lab File: VN077017.D
Acq: 16 Mar 2023 13:08



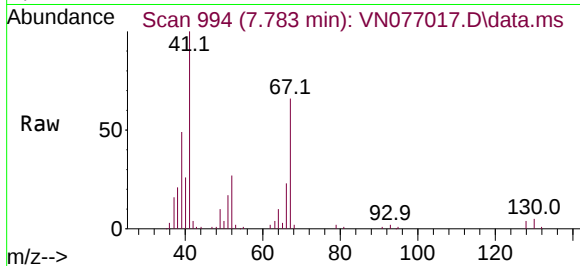
Tgt Ion: 78 Resp: 553348
Ion Ratio Lower Upper
78 100
77 24.5 17.4 26.2
51 17.8 13.8 20.6





#35
Methacrylonitrile
Concen: 19.806 ug/l m
RT: 7.783 min Scan# 994
Delta R.T. -0.001 min
Lab File: VN077017.D
Acq: 16 Mar 2023 13:08

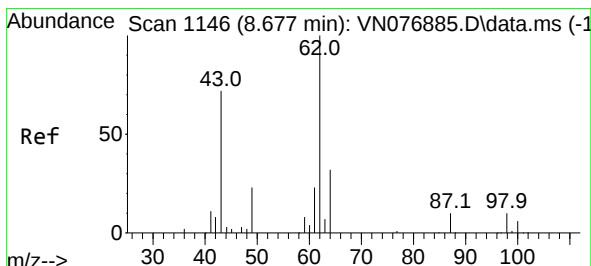
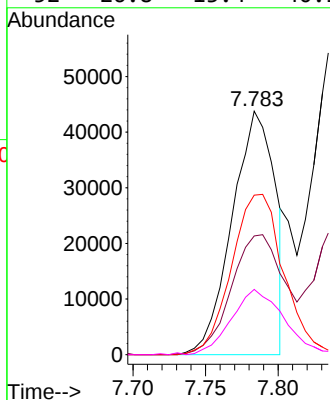
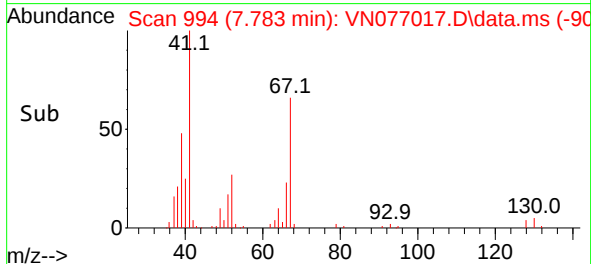
Instrument :
MSVOA_N
ClientSampleId :
VN0316WBSD02



Tgt Ion:	41	Resp:	9036
Ion Ratio	100	Lower	Upper
41	100		
39	48.8	26.6	79.7
67	65.5	32.3	96.9
52	26.8	13.4	40.1

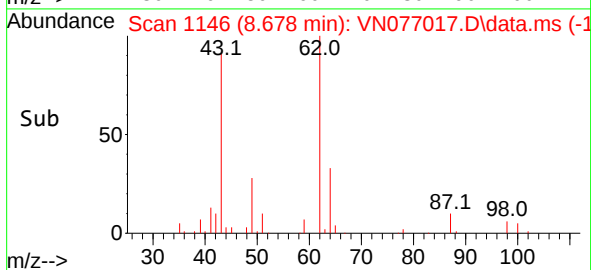
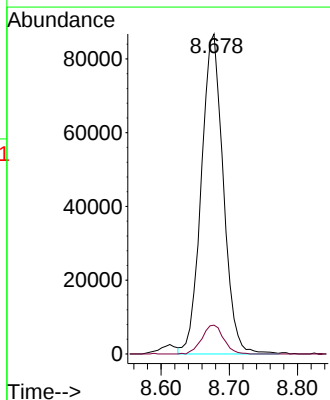
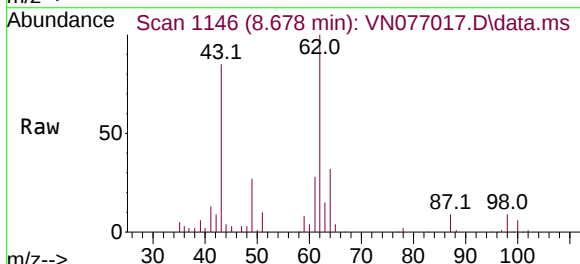
Manual Integrations
APPROVED

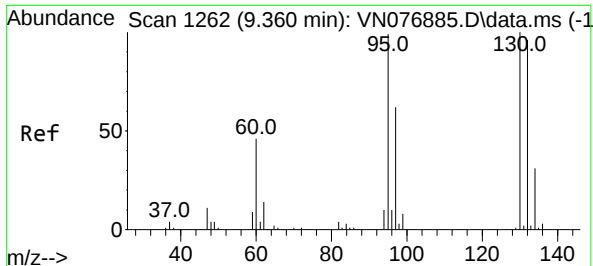
Reviewed By :John Carlone 03/17/2023
Supervised By :Mahesh Dadoda 03/17/2023



#36
1,2-Dichloroethane
Concen: 21.287 ug/l
RT: 8.678 min Scan# 1146
Delta R.T. -0.000 min
Lab File: VN077017.D
Acq: 16 Mar 2023 13:08

Tgt Ion:	62	Resp:	194416
Ion Ratio	100	Lower	Upper
62	100		
98	8.9	7.4	11.0





#37

Trichloroethene

Concen: 18.270 ug/l

RT: 9.354 min Scan# 1261

Delta R.T. -0.000 min

Lab File: VN077017.D

Acq: 16 Mar 2023 13:08

Instrument :

MSVOA_N

ClientSampleId :

VN0316WBSD02

Tgt Ion:130 Resp: 12269

Ion Ratio Lower Upper

130 100

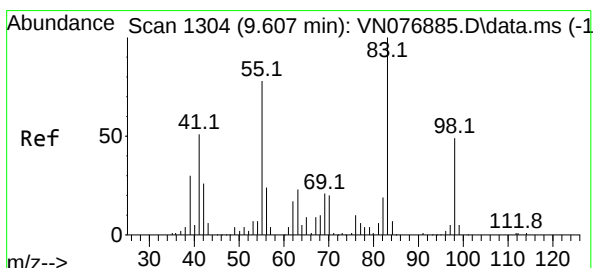
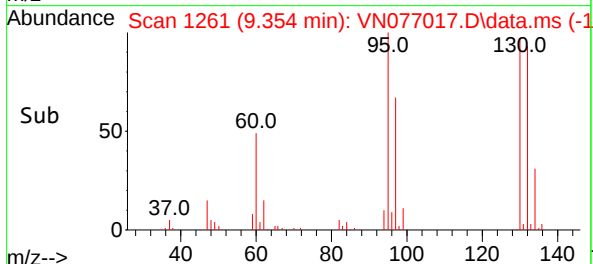
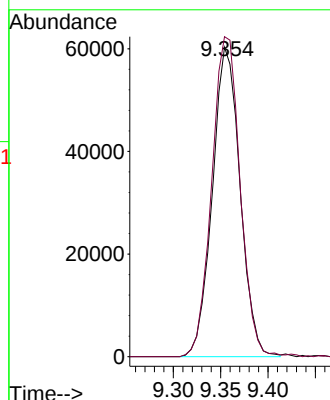
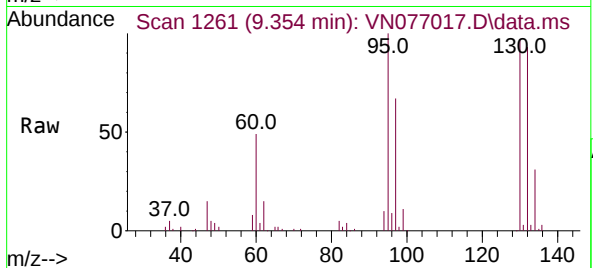
95 103.4 78.7 118.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/17/2023

Supervised By :Mahesh Dadoda 03/17/2023



#38

Methylcyclohexane

Concen: 21.225 ug/l

RT: 9.607 min Scan# 1304

Delta R.T. -0.000 min

Lab File: VN077017.D

Acq: 16 Mar 2023 13:08

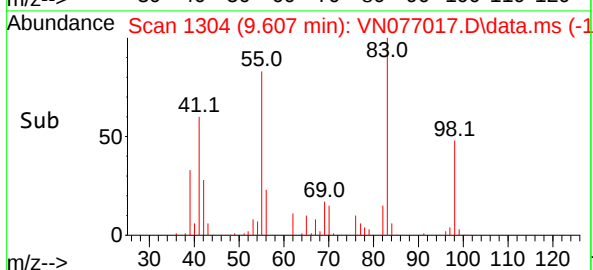
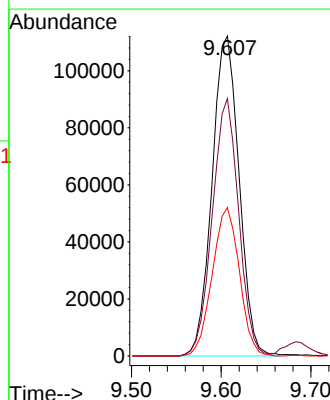
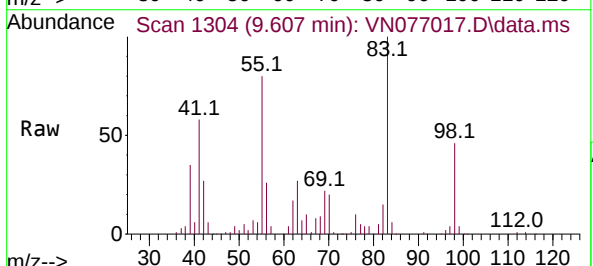
Tgt Ion: 83 Resp: 234806

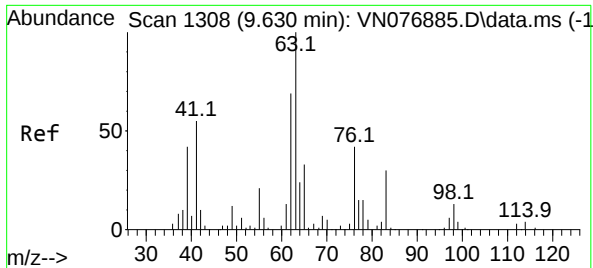
Ion Ratio Lower Upper

83 100

55 78.5 37.6 112.9

98 46.6 24.1 72.4





#39

1,2-Dichloropropane

Concen: 21.169 ug/l

RT: 9.625 min Scan# 1307

Delta R.T. -0.000 min

Lab File: VN077017.D

Acq: 16 Mar 2023 13:08

Instrument :

MSVOA_N

ClientSampleId :

VN0316WBSD02

Tgt Ion: 63 Resp: 148198

Ion Ratio Lower Upper

63 100

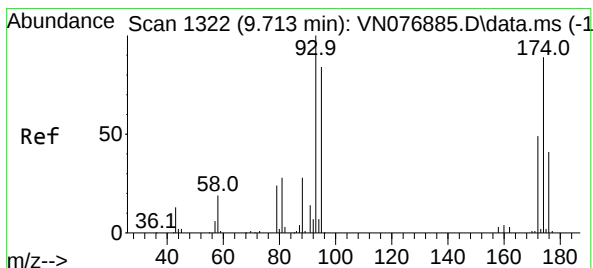
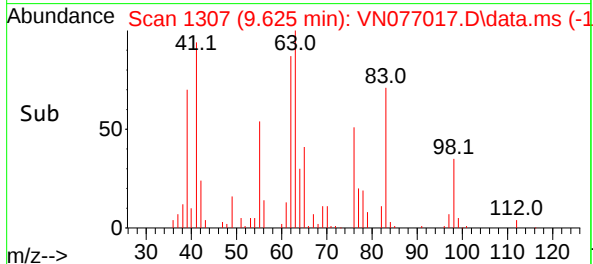
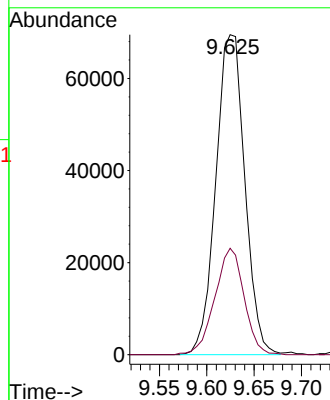
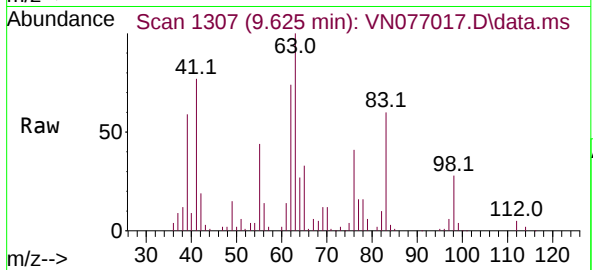
65 33.0 27.2 40.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/17/2023

Supervised By :Mahesh Dadoda 03/17/2023



#40

Dibromomethane

Concen: 20.261 ug/l

RT: 9.713 min Scan# 1322

Delta R.T. -0.000 min

Lab File: VN077017.D

Acq: 16 Mar 2023 13:08

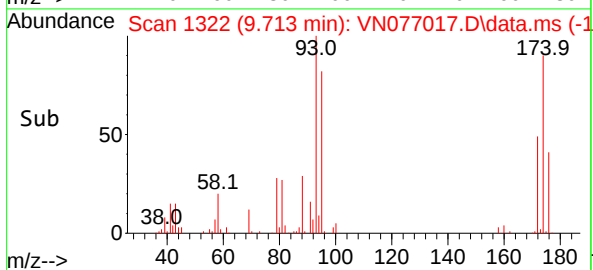
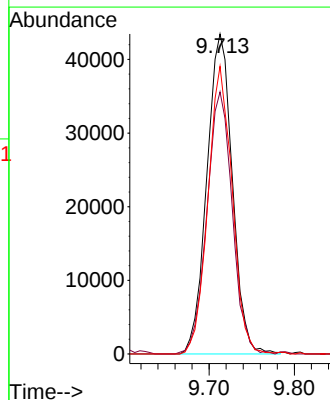
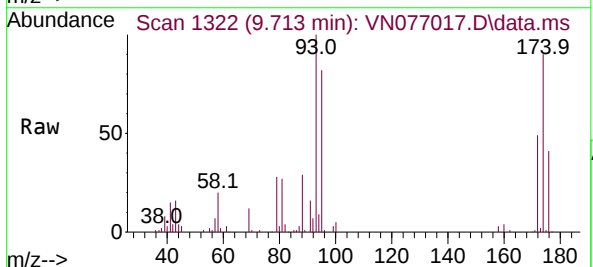
Tgt Ion: 93 Resp: 90363

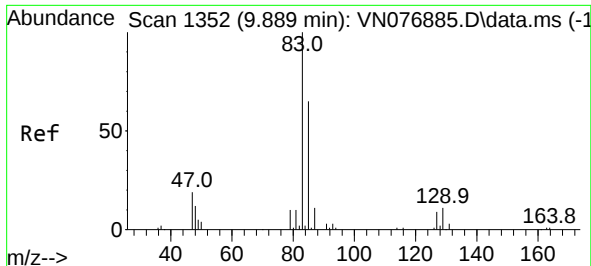
Ion Ratio Lower Upper

93 100

95 81.1 0.0 158.0

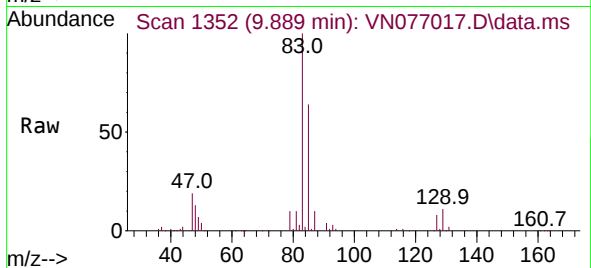
174 85.4 0.0 171.2





#41
Bromodichloromethane
Concen: 20.731 ug/l
RT: 9.889 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN077017.D
Acq: 16 Mar 2023 13:08

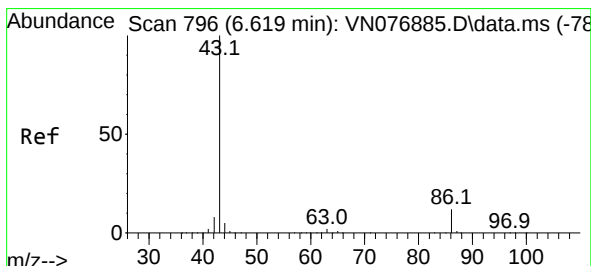
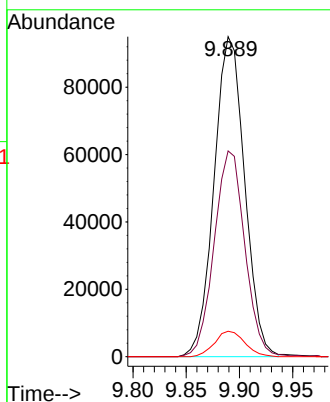
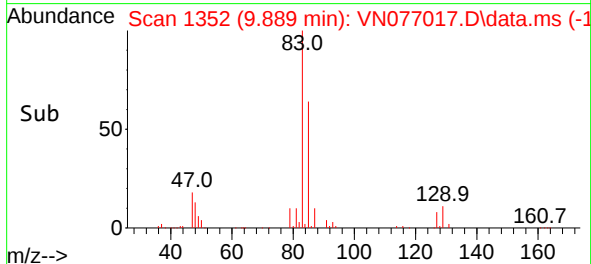
Instrument :
MSVOA_N
ClientSampleId :
VN0316WBSD02



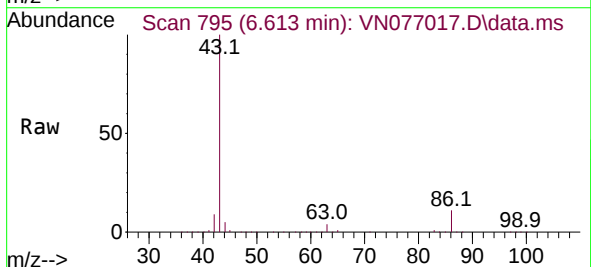
Tgt Ion: 83 Resp: 189480
Ion Ratio Lower Upper
83 100
85 64.3 51.0 76.4
127 8.0 6.2 9.2

Manual Integrations
APPROVED

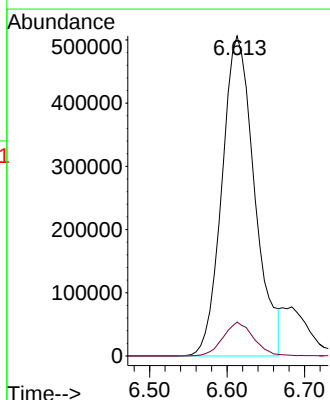
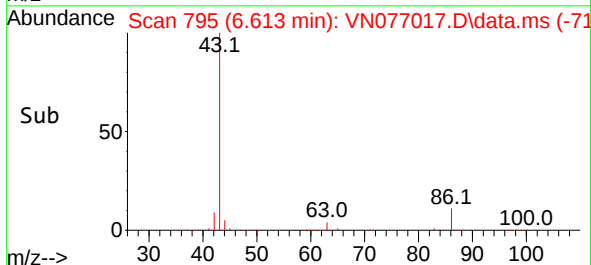
Reviewed By :John Carlone 03/17/2023
Supervised By :Mahesh Dadoda 03/17/2023

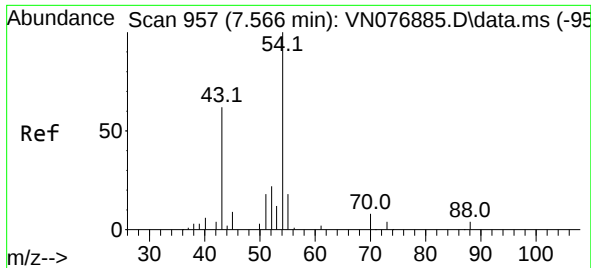


#42
Vinyl Acetate
Concen: 117.333 ug/l
RT: 6.613 min Scan# 795
Delta R.T. -0.000 min
Lab File: VN077017.D
Acq: 16 Mar 2023 13:08



Tgt Ion: 43 Resp: 1483061
Ion Ratio Lower Upper
43 100
86 9.9 7.8 11.6





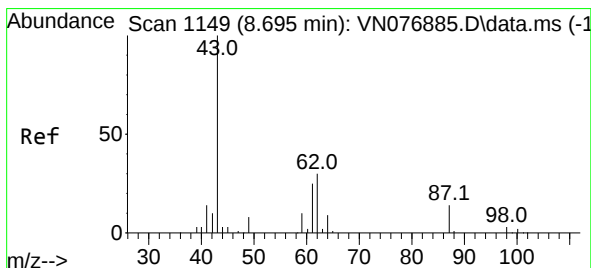
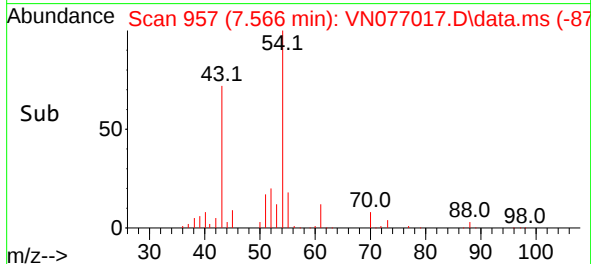
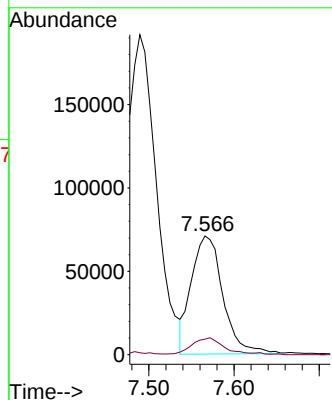
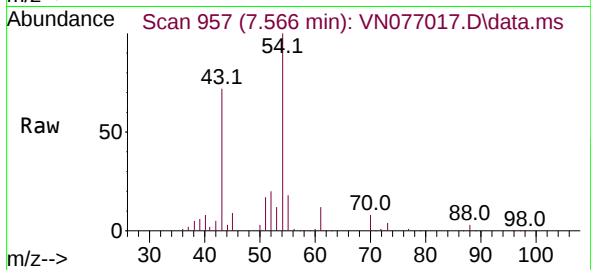
#43
Ethyl Acetate
Concen: 22.214 ug/l
RT: 7.566 min Scan# 91
Delta R.T. -0.006 min
Lab File: VN077017.D
Acq: 16 Mar 2023 13:08

Instrument :
MSVOA_N
ClientSampleId :
VN0316WBSD02

Tgt Ion: 43 Resp: 18175
Ion Ratio Lower Upper
43 100
45 14.4 11.2 16.8

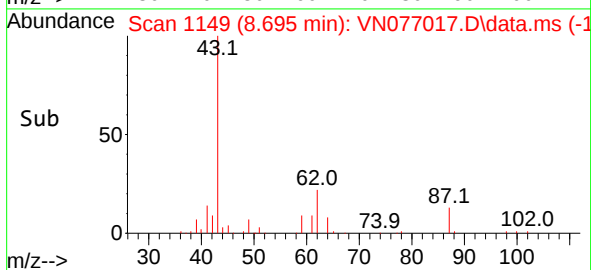
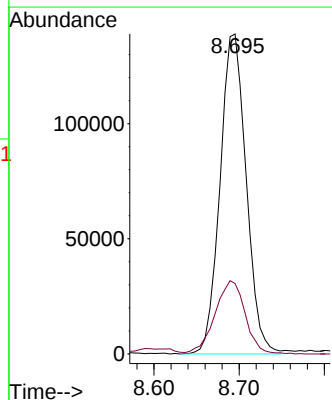
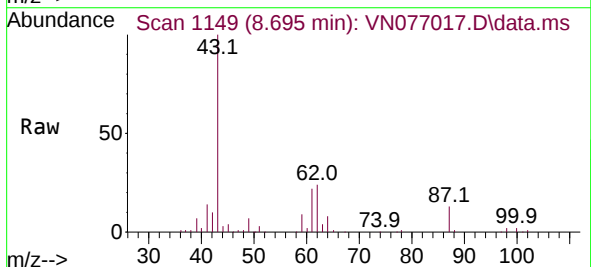
Manual Integrations
APPROVED

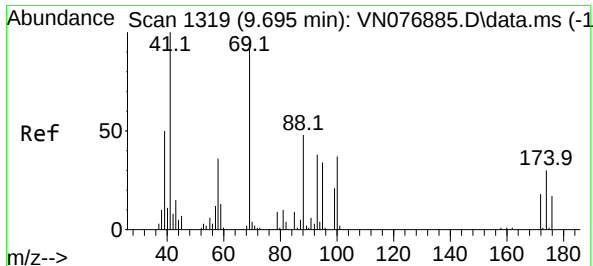
Reviewed By :John Carlone 03/17/2023
Supervised By :Mahesh Dadoda 03/17/2023



#44
Isopropyl Acetate
Concen: 22.339 ug/l
RT: 8.695 min Scan# 1149
Delta R.T. 0.000 min
Lab File: VN077017.D
Acq: 16 Mar 2023 13:08

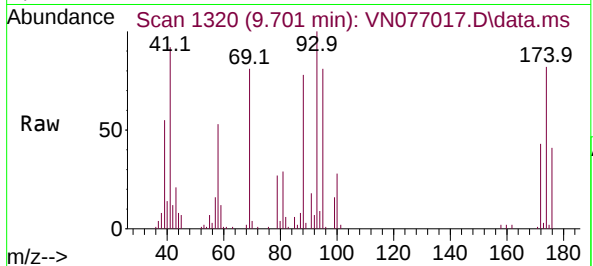
Tgt Ion: 43 Resp: 296282
Ion Ratio Lower Upper
43 100
61 26.4 19.5 29.3





#45
1,4-Dioxane
Concen: 427.073 ug/l
RT: 9.701 min Scan# 1320
Delta R.T. 0.006 min
Lab File: VN077017.D
Acq: 16 Mar 2023 13:08

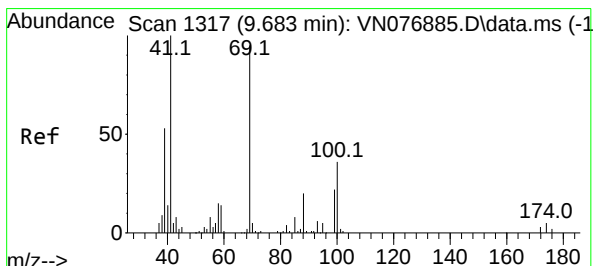
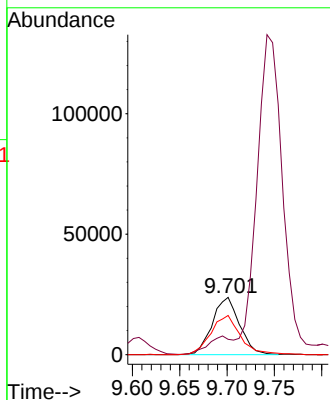
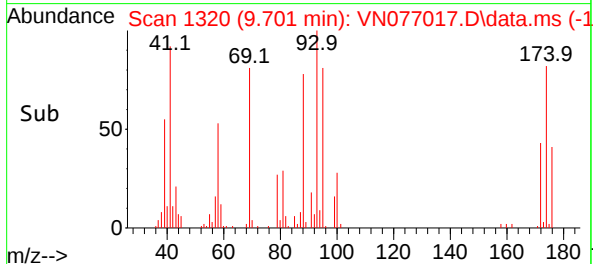
Instrument :
MSVOA_N
ClientSampleId :
VN0316WBSD02



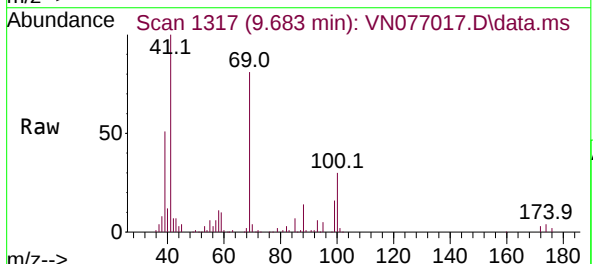
Tgt Ion: 88 Resp: 47652
Ion Ratio Lower Upper
88 100
43 28.4 26.0 39.0
58 74.8 54.3 81.5

Manual Integrations
APPROVED

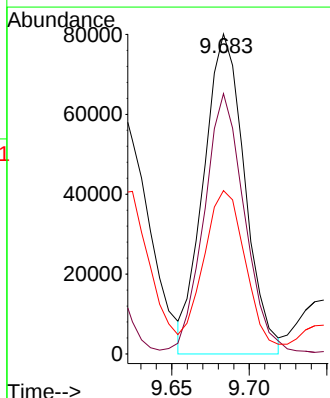
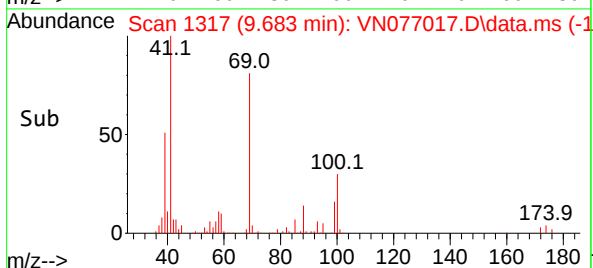
Reviewed By :John Carlone 03/17/2023
Supervised By :Mahesh Dadoda 03/17/2023

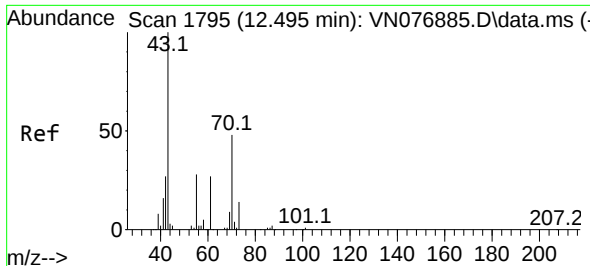


#46
Methyl methacrylate
Concen: 22.839 ug/l
RT: 9.683 min Scan# 1317
Delta R.T. 0.000 min
Lab File: VN077017.D
Acq: 16 Mar 2023 13:08



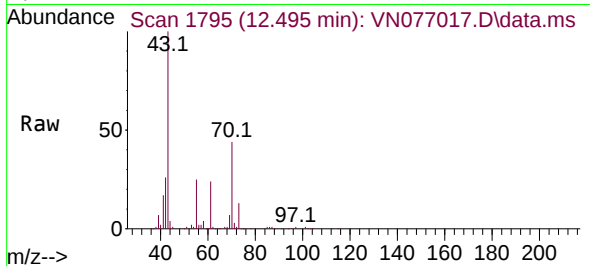
Tgt Ion: 41 Resp: 147518
Ion Ratio Lower Upper
41 100
69 82.1 40.6 121.7
39 50.6 30.5 91.5





#47
n-amy1 Acetate
Concen: 23.270 ug/l
RT: 12.495 min Scan# 1795
Delta R.T. -0.000 min
Lab File: VN077017.D
Acq: 16 Mar 2023 13:08

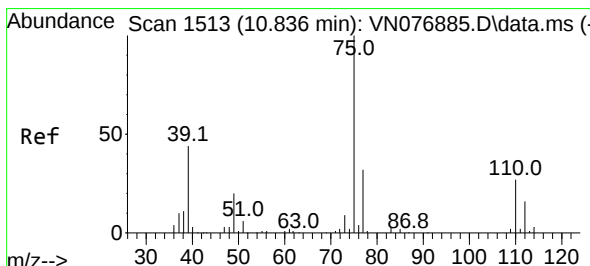
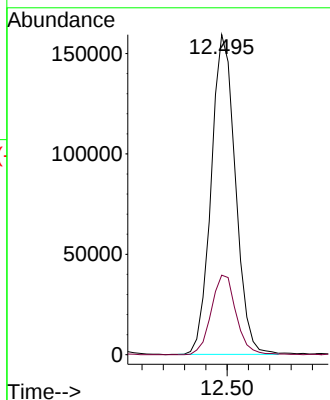
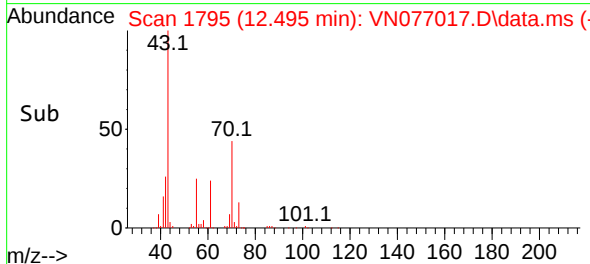
Instrument :
MSVOA_N
ClientSampleId :
VN0316WBSD02



Tgt Ion: 43 Resp: 251179
Ion Ratio Lower Upper
43 100
55 25.6 18.3 27.5

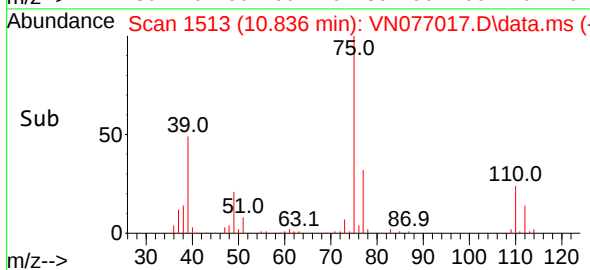
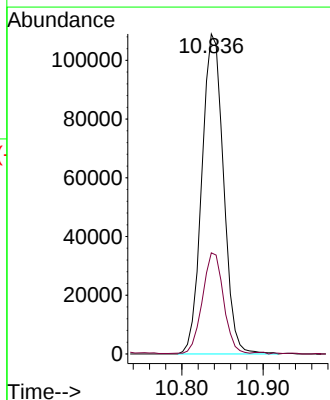
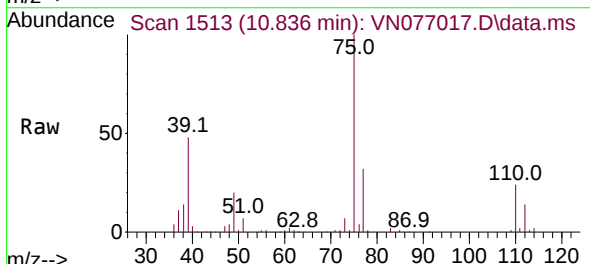
Manual Integrations
APPROVED

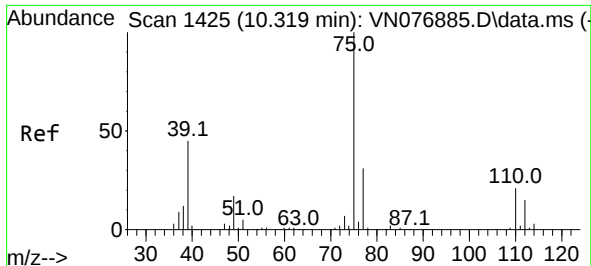
Reviewed By :John Carlone 03/17/2023
Supervised By :Mahesh Dadoda 03/17/2023



#48
t-1,3-Dichloropropene
Concen: 22.047 ug/l
RT: 10.836 min Scan# 1513
Delta R.T. -0.006 min
Lab File: VN077017.D
Acq: 16 Mar 2023 13:08

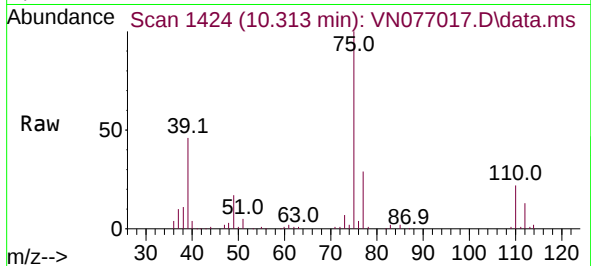
Tgt Ion: 75 Resp: 201842
Ion Ratio Lower Upper
75 100
77 31.3 25.4 38.2





#49
cis-1,3-Dichloropropene
Concen: 21.397 ug/l
RT: 10.313 min Scan# 1424
Delta R.T. -0.000 min
Lab File: VN077017.D
Acq: 16 Mar 2023 13:08

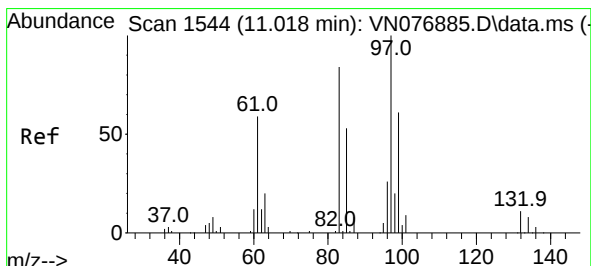
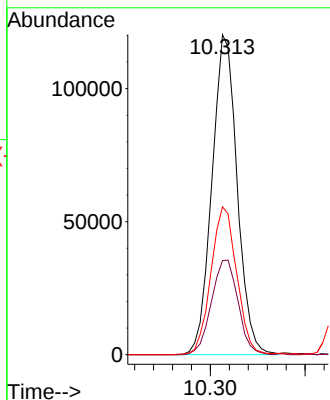
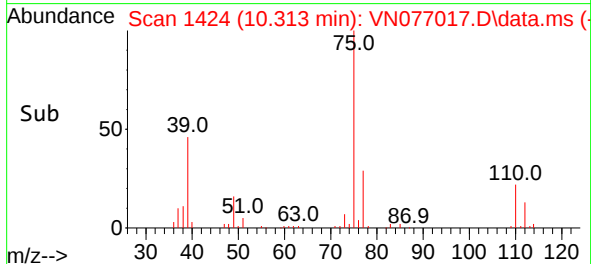
Instrument :
MSVOA_N
ClientSampleId :
VN0316WBSD02



Tgt Ion: 75 Resp: 22248
Ion Ratio Lower Upper
75 100
77 29.4 27.5 41.3
39 46.0 43.5 65.3

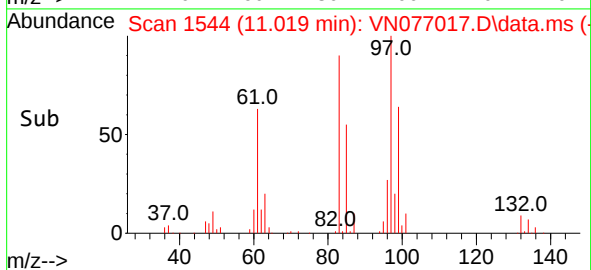
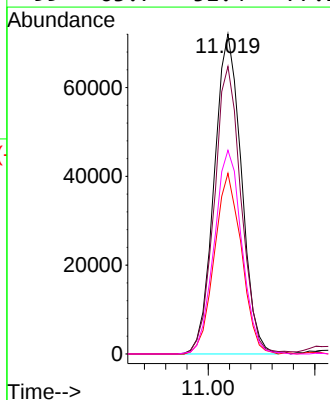
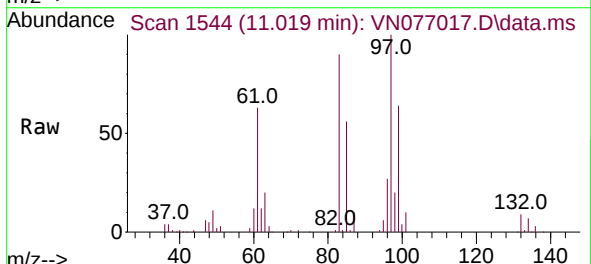
Manual Integrations
APPROVED

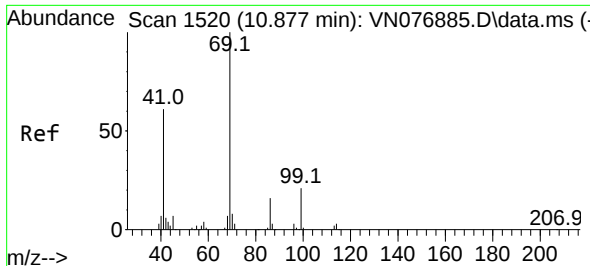
Reviewed By :John Carlone 03/17/2023
Supervised By :Mahesh Dadoda 03/17/2023



#50
1,1,2-Trichloroethane
Concen: 19.567 ug/l
RT: 11.019 min Scan# 1544
Delta R.T. -0.000 min
Lab File: VN077017.D
Acq: 16 Mar 2023 13:08

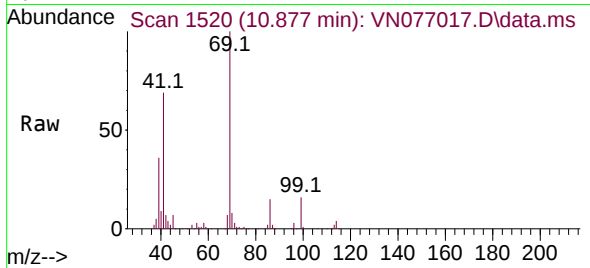
Tgt Ion: 97 Resp: 127851
Ion Ratio Lower Upper
97 100
83 89.9 71.0 106.4
85 56.4 45.5 68.3
99 63.7 51.4 77.2





#51
Ethyl methacrylate
Concen: 21.163 ug/l
RT: 10.877 min Scan# 1520
Delta R.T. 0.000 min
Lab File: VN077017.D
Acq: 16 Mar 2023 13:08

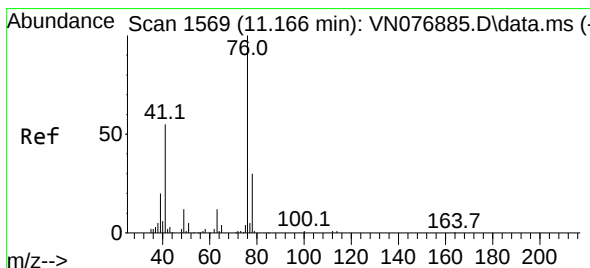
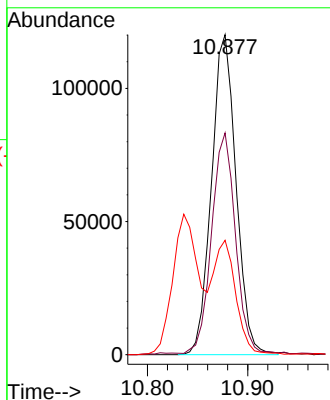
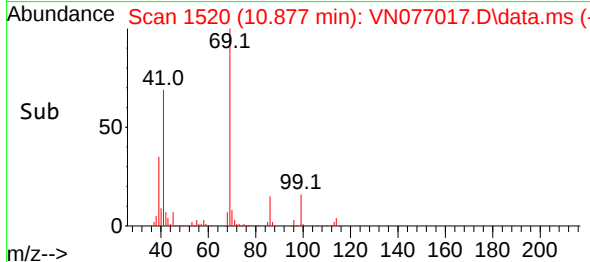
Instrument :
MSVOA_N
ClientSampleId :
VN0316WBSD02



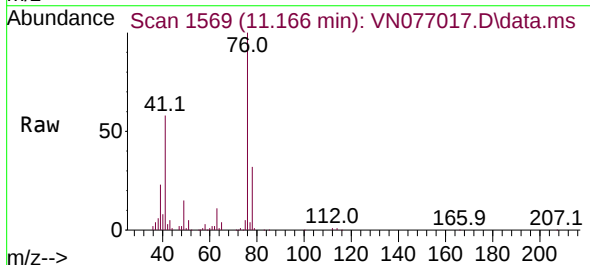
Tgt Ion: 69 Resp: 203854
Ion Ratio Lower Upper
69 100
41 68.8 36.3 108.7
39 35.2 19.9 59.7

Manual Integrations
APPROVED

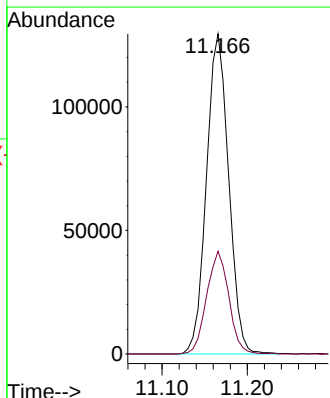
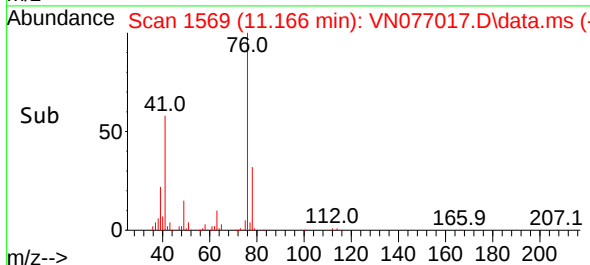
Reviewed By :John Carlone 03/17/2023
Supervised By :Mahesh Dadoda 03/17/2023

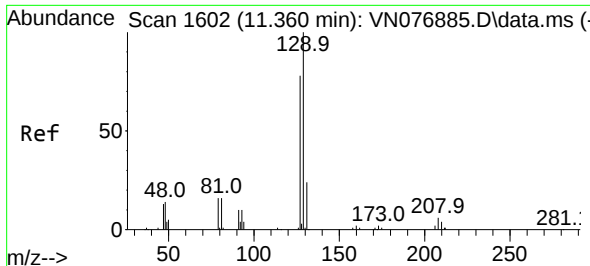


#52
1,3-Dichloropropane
Concen: 20.795 ug/l
RT: 11.166 min Scan# 1569
Delta R.T. -0.000 min
Lab File: VN077017.D
Acq: 16 Mar 2023 13:08



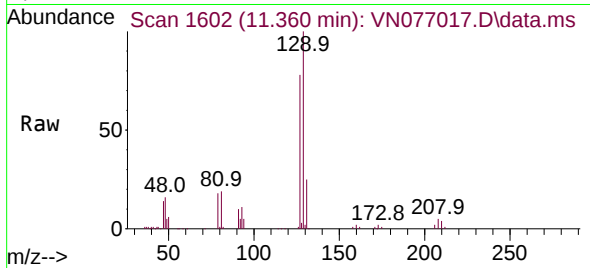
Tgt Ion: 76 Resp: 234680
Ion Ratio Lower Upper
76 100
78 32.0 0.0 65.4





#53
Dibromochloromethane
Concen: 19.742 ug/l
RT: 11.360 min Scan# 1602
Delta R.T. -0.000 min
Lab File: VN077017.D
Acq: 16 Mar 2023 13:08

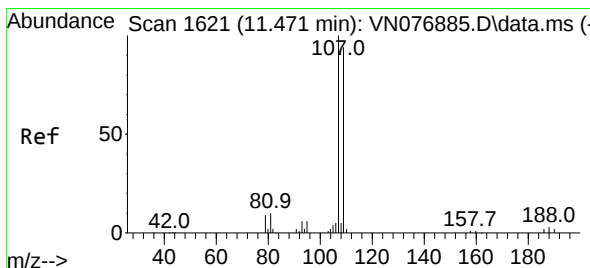
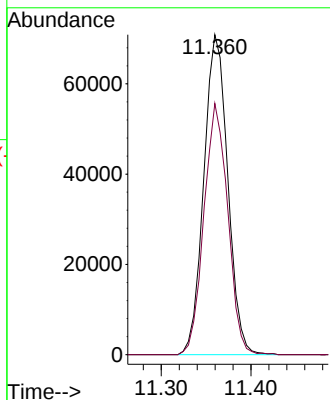
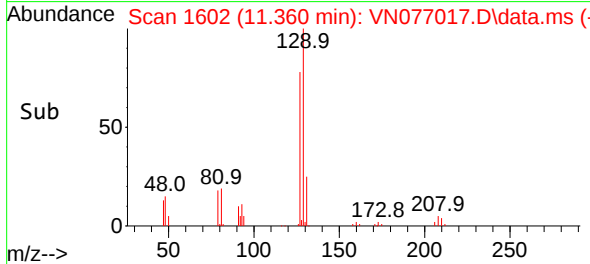
Instrument :
MSVOA_N
ClientSampleId :
VN0316WBSD02



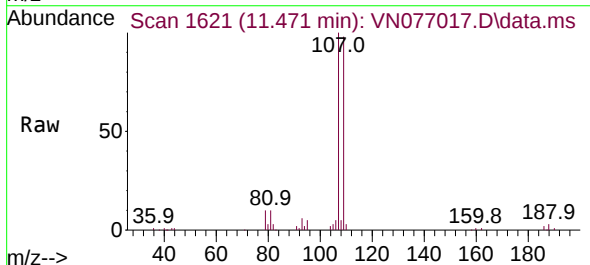
Tgt Ion:129 Resp: 131590
Ion Ratio Lower Upper
129 100
127 78.0 39.4 118.1

Manual Integrations
APPROVED

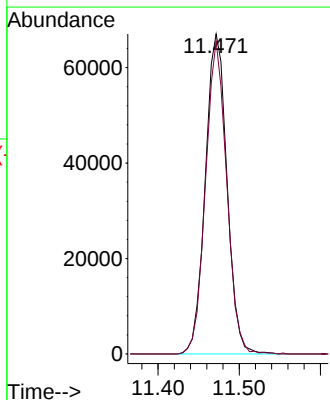
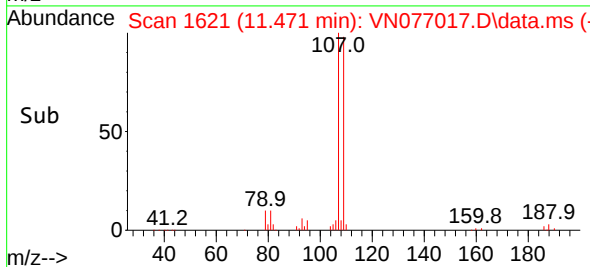
Reviewed By :John Carlone 03/17/2023
Supervised By :Mahesh Dadoda 03/17/2023

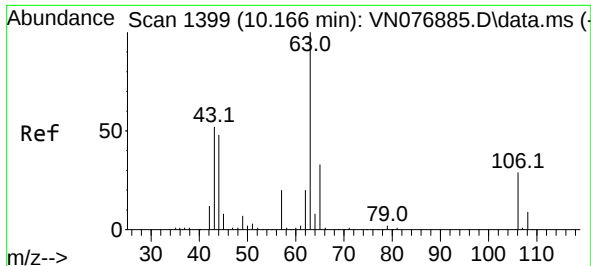


#54
1,2-Dibromoethane
Concen: 19.698 ug/l
RT: 11.471 min Scan# 1621
Delta R.T. 0.000 min
Lab File: VN077017.D
Acq: 16 Mar 2023 13:08



Tgt Ion:107 Resp: 124197
Ion Ratio Lower Upper
107 100
109 95.1 74.6 112.0





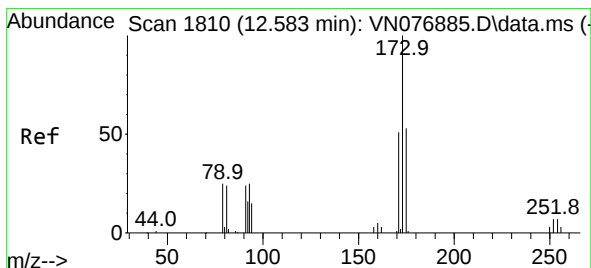
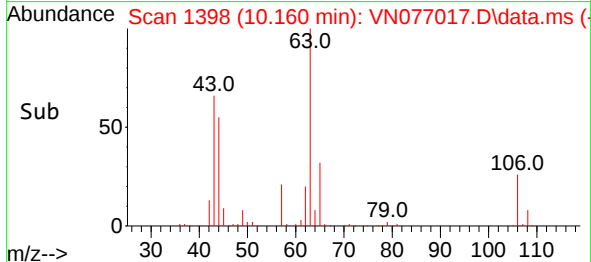
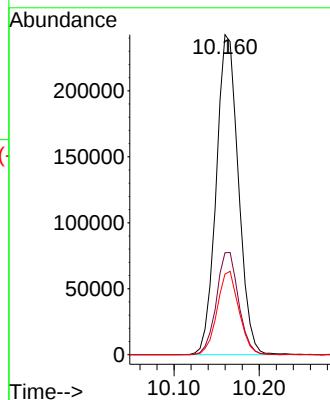
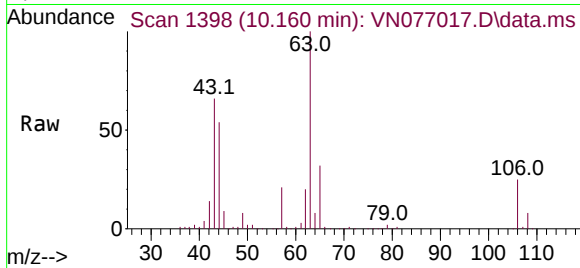
#55
2-Chloroethyl vinyl ether
Concen: 129.782 ug/l
RT: 10.160 min Scan# 1399
Delta R.T. -0.000 min
Lab File: VN077017.D
Acq: 16 Mar 2023 13:08

Instrument :
MSVOA_N
ClientSampleId :
VN0316WBSD02

Tgt Ion: 63 Resp: 438309
Ion Ratio Lower Upper
63 100
65 32.0 26.3 39.5
106 25.6 21.6 32.4

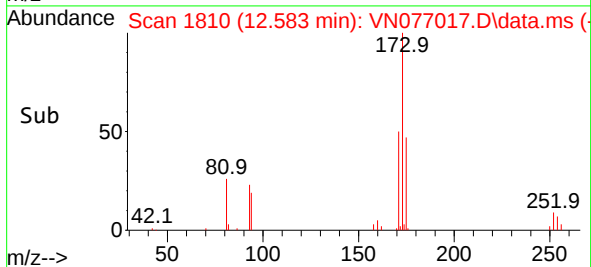
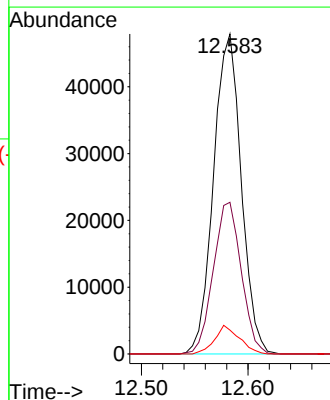
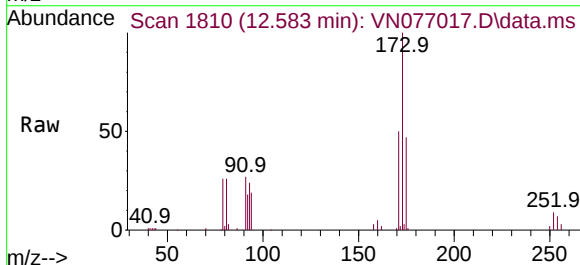
Manual Integrations
APPROVED

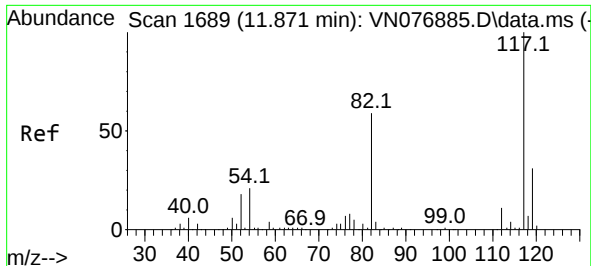
Reviewed By :John Carlone 03/17/2023
Supervised By :Mahesh Dadoda 03/17/2023



#56
Bromoform
Concen: 19.399 ug/l
RT: 12.583 min Scan# 1810
Delta R.T. 0.000 min
Lab File: VN077017.D
Acq: 16 Mar 2023 13:08

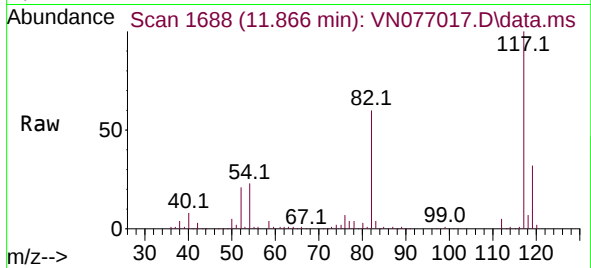
Tgt Ion:173 Resp: 86511
Ion Ratio Lower Upper
173 100
175 47.7 37.8 56.6
254 8.0 7.3 10.9





#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.866 min Scan# 1688
Delta R.T. -0.000 min
Lab File: VN077017.D
Acq: 16 Mar 2023 13:08

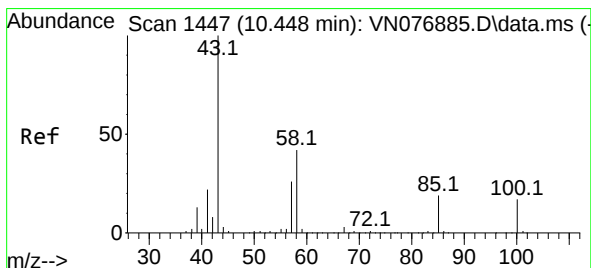
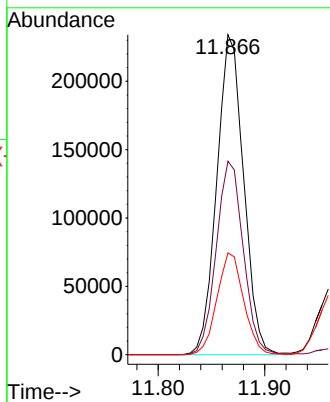
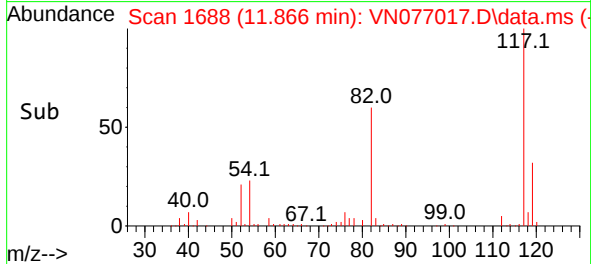
Instrument :
MSVOA_N
ClientSampleId :
VN0316WBSD02



Tgt Ion:117 Resp: 409499
Ion Ratio Lower Upper
117 100
82 60.9 45.4 68.0
119 31.8 26.8 40.2

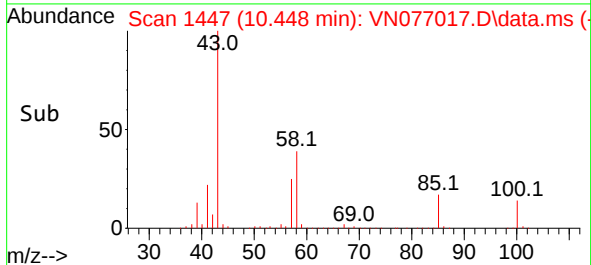
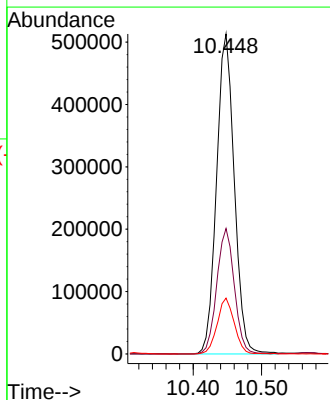
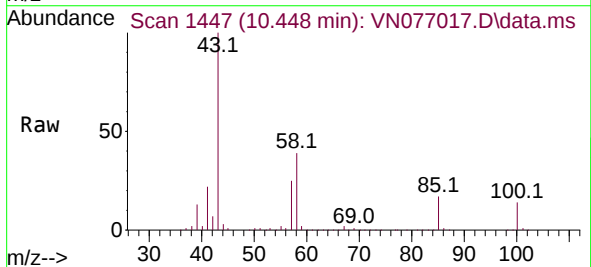
Manual Integrations
APPROVED

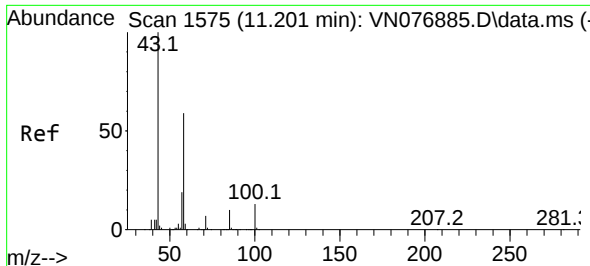
Reviewed By :John Carlone 03/17/2023
Supervised By :Mahesh Dadoda 03/17/2023



#58
4-Methyl-2-Pentanone
Concen: 112.395 ug/l
RT: 10.448 min Scan# 1447
Delta R.T. 0.000 min
Lab File: VN077017.D
Acq: 16 Mar 2023 13:08

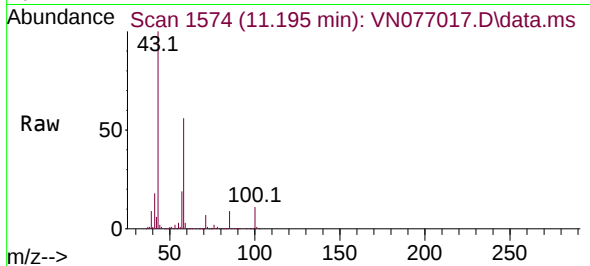
Tgt Ion: 43 Resp: 929774
Ion Ratio Lower Upper
43 100
58 38.9 28.6 42.8
85 16.9 11.8 17.8





#59
2-Hexanone
Concen: 118.652 ug/l
RT: 11.195 min Scan# 1574
Delta R.T. 0.000 min
Lab File: VN077017.D
Acq: 16 Mar 2023 13:08

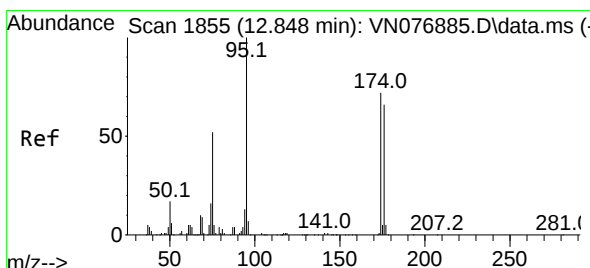
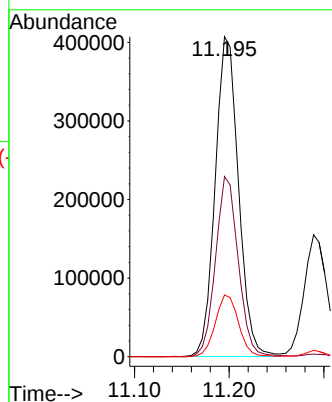
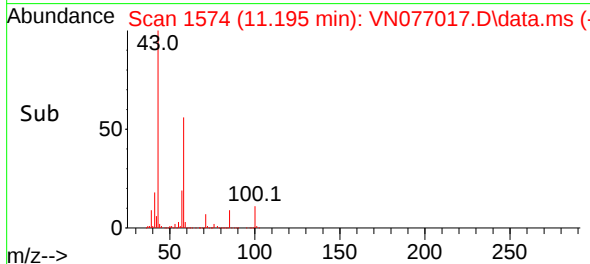
Instrument :
MSVOA_N
ClientSampleId :
VN0316WBSD02



Tgt Ion: 43 Resp: 697262
Ion Ratio Lower Upper
43 100
58 55.0 40.6 60.8
57 19.3 13.1 19.7

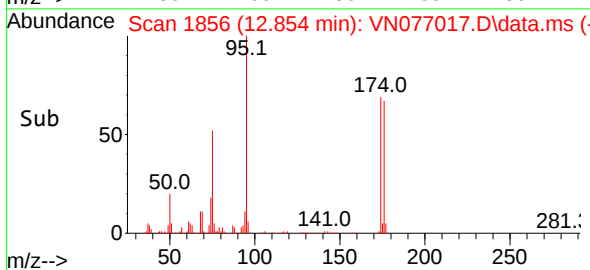
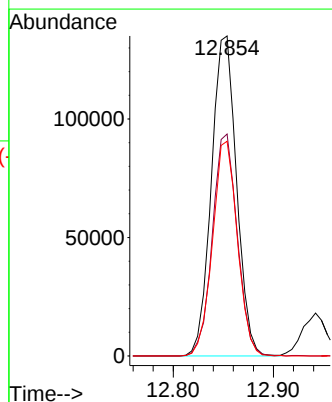
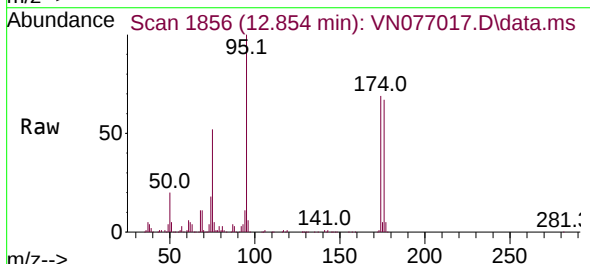
Manual Integrations
APPROVED

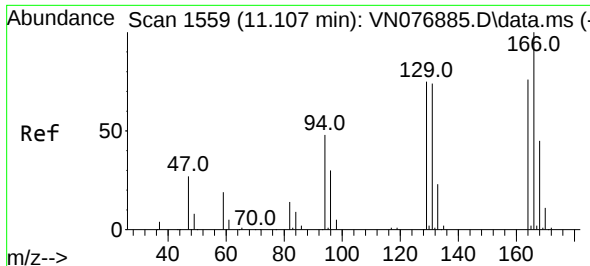
Reviewed By :John Carlone 03/17/2023
Supervised By :Mahesh Dadoda 03/17/2023



#60
4-Bromofluorobenzene
Concen: 30.412 ug/l
RT: 12.854 min Scan# 1856
Delta R.T. 0.006 min
Lab File: VN077017.D
Acq: 16 Mar 2023 13:08

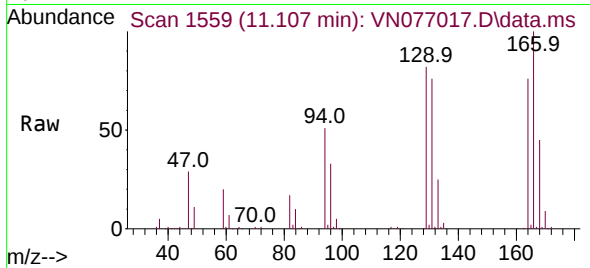
Tgt Ion: 95 Resp: 235704
Ion Ratio Lower Upper
95 100
174 68.5 64.2 96.4
176 66.0 61.4 92.0





#61
Tetrachloroethene
Concen: 15.497 ug/l
RT: 11.107 min Scan# 1559
Delta R.T. -0.000 min
Lab File: VN077017.D
Acq: 16 Mar 2023 13:08

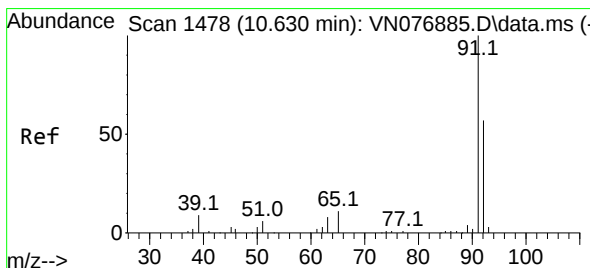
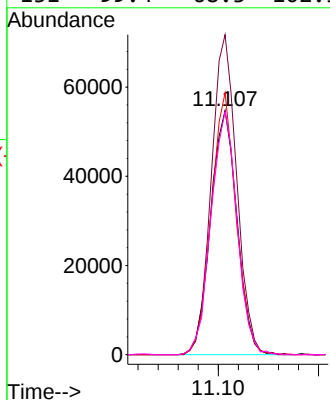
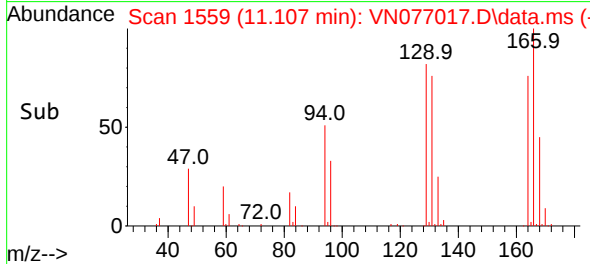
Instrument :
MSVOA_N
ClientSampleId :
VN0316WBSD02



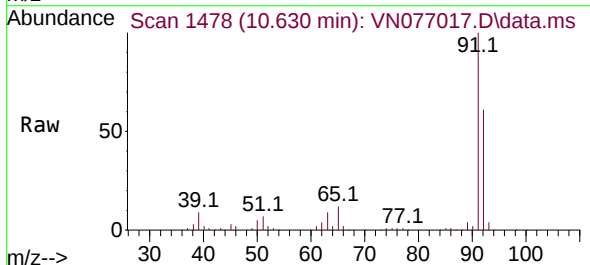
Tgt Ion:164 Resp: 100179
Ion Ratio Lower Upper
164 100
166 131.0 96.2 144.2
129 107.3 78.2 117.4
131 99.4 68.3 102.5

Manual Integrations
APPROVED

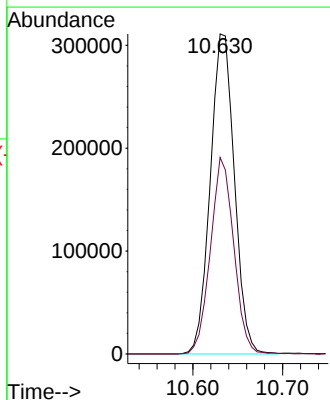
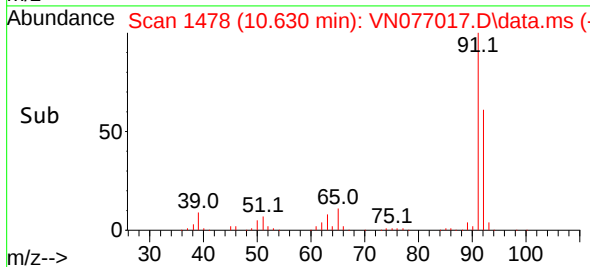
Reviewed By :John Carlone 03/17/2023
Supervised By :Mahesh Dadoda 03/17/2023

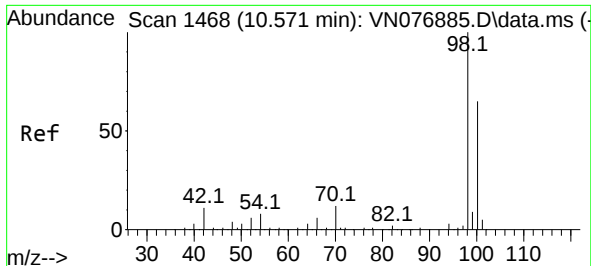


#62
Toluene
Concen: 20.611 ug/l
RT: 10.630 min Scan# 1478
Delta R.T. 0.000 min
Lab File: VN077017.D
Acq: 16 Mar 2023 13:08



Tgt Ion: 91 Resp: 581571
Ion Ratio Lower Upper
91 100
92 59.4 46.3 69.5





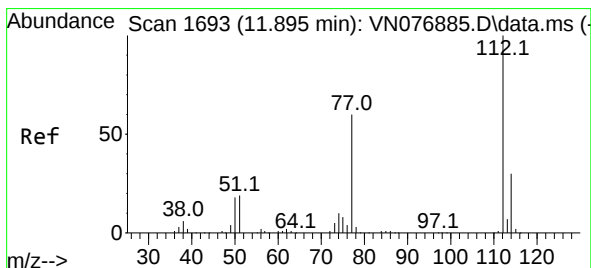
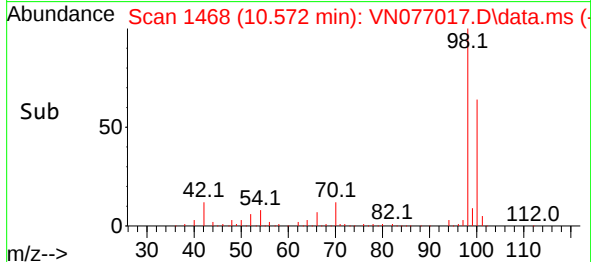
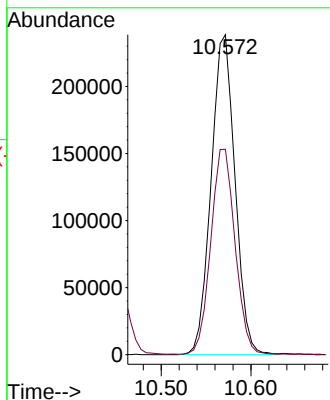
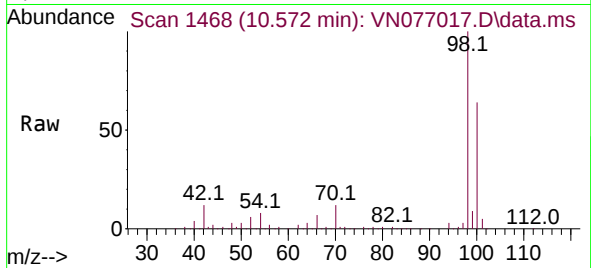
#63
Toluene-d8
Concen: 30.633 ug/l
RT: 10.572 min Scan# 1468
Delta R.T. -0.000 min
Lab File: VN077017.D
Acq: 16 Mar 2023 13:08

Instrument :
MSVOA_N
ClientSampleId :
VN0316WBSD02

Tgt Ion: 98 Resp: 441217
Ion Ratio Lower Upper
98 100
100 65.4 53.8 80.6

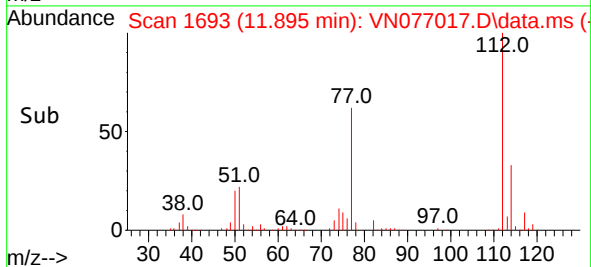
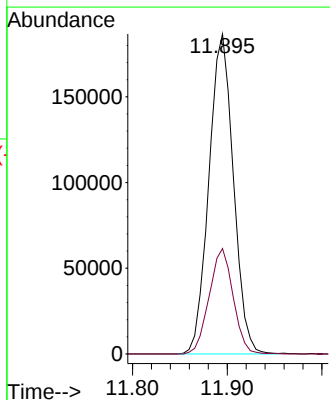
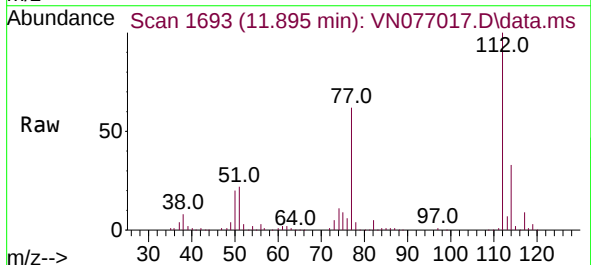
Manual Integrations
APPROVED

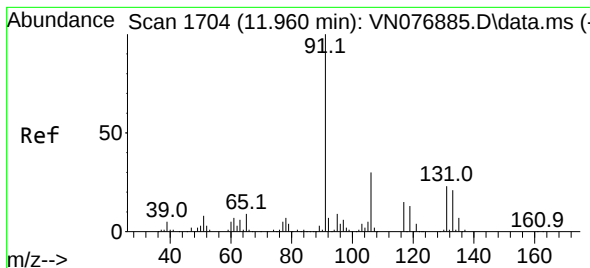
Reviewed By :John Carlone 03/17/2023
Supervised By :Mahesh Dadoda 03/17/2023



#64
Chlorobenzene
Concen: 20.181 ug/l
RT: 11.895 min Scan# 1693
Delta R.T. -0.000 min
Lab File: VN077017.D
Acq: 16 Mar 2023 13:08

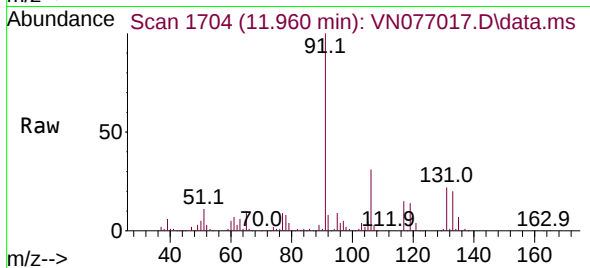
Tgt Ion:112 Resp: 335198
Ion Ratio Lower Upper
112 100
114 33.0 24.5 36.7





#65
1,1,1,2-Tetrachloroethane
Concen: 19.702 ug/l
RT: 11.960 min Scan# 11
Delta R.T. -0.006 min
Lab File: VN077017.D
Acq: 16 Mar 2023 13:08

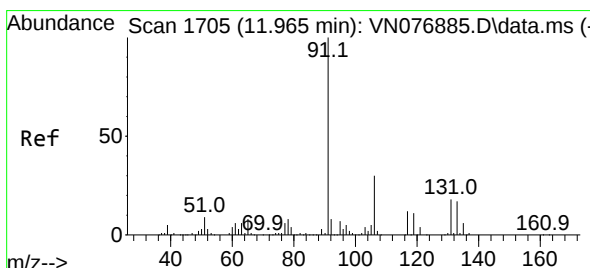
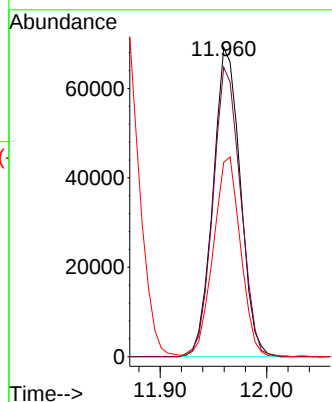
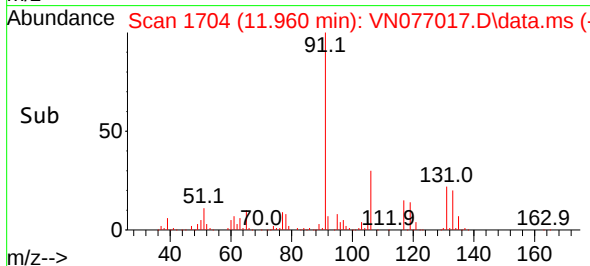
Instrument :
MSVOA_N
ClientSampleId :
VN0316WBSD02



Tgt Ion:131 Resp: 12291
Ion Ratio Lower Upper
131 100
133 94.8 0.0 197.6
119 64.5 0.0 127.8

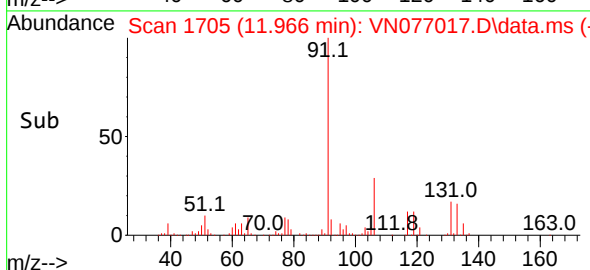
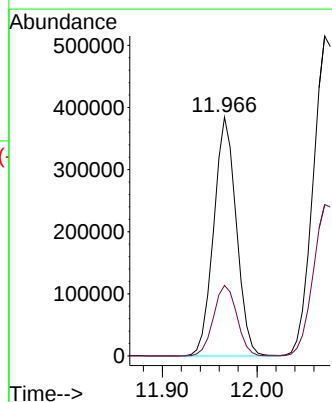
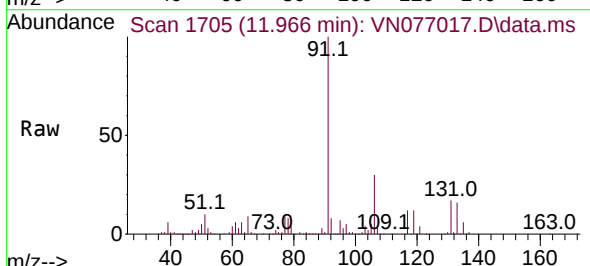
Manual Integrations
APPROVED

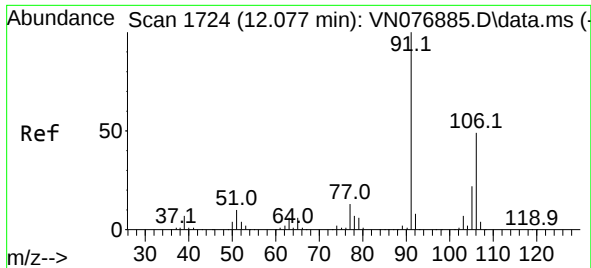
Reviewed By :John Carlone 03/17/2023
Supervised By :Mahesh Dadoda 03/17/2023



#66
Ethyl Benzene
Concen: 20.775 ug/l
RT: 11.966 min Scan# 1705
Delta R.T. -0.000 min
Lab File: VN077017.D
Acq: 16 Mar 2023 13:08

Tgt Ion: 91 Resp: 636451
Ion Ratio Lower Upper
91 100
106 29.6 23.8 35.8





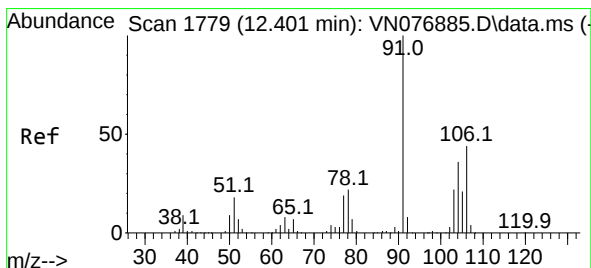
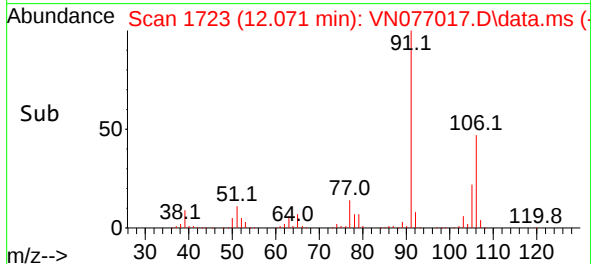
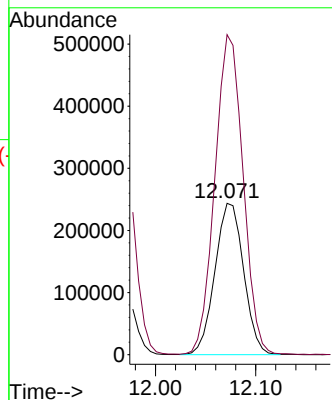
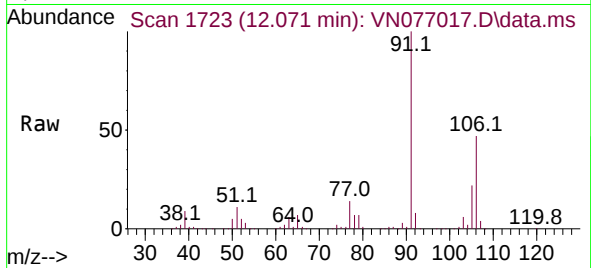
#67
m/p-Xylenes
Concen: 41.740 ug/l
RT: 12.071 min Scan# 1723
Delta R.T. 0.000 min
Lab File: VN077017.D
Acq: 16 Mar 2023 13:08

Instrument :
MSVOA_N
ClientSampleId :
VN0316WBSD02

Tgt Ion:106 Resp: 484360
Ion Ratio Lower Upper
106 100
91 208.3 157.4 236.2

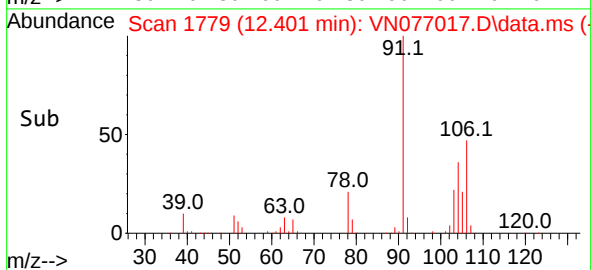
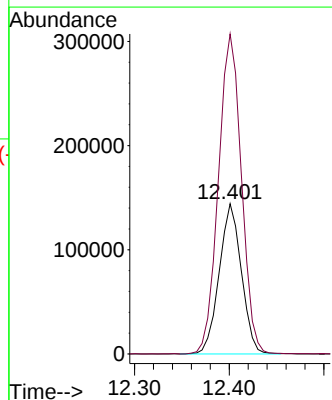
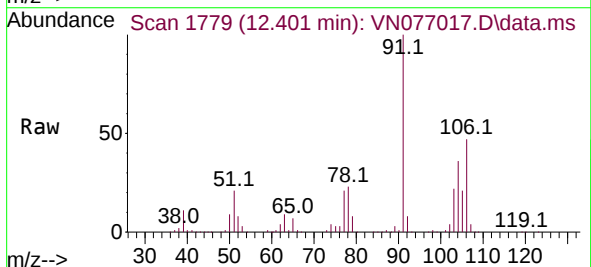
Manual Integrations
APPROVED

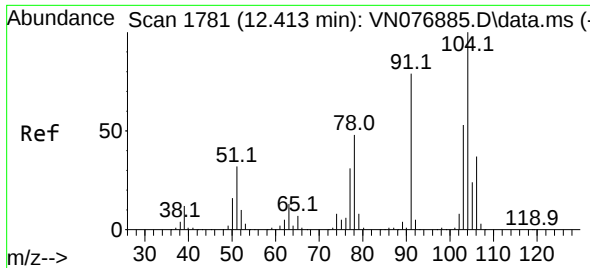
Reviewed By :John Carlone 03/17/2023
Supervised By :Mahesh Dadoda 03/17/2023



#68
o-Xylene
Concen: 20.727 ug/l
RT: 12.401 min Scan# 1779
Delta R.T. -0.000 min
Lab File: VN077017.D
Acq: 16 Mar 2023 13:08

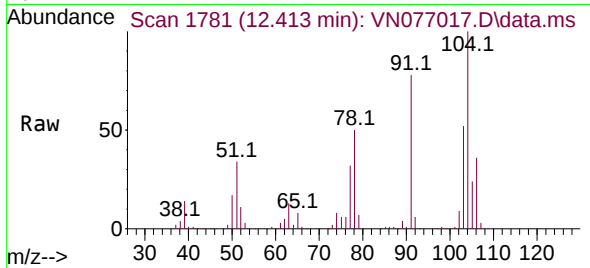
Tgt Ion:106 Resp: 234826
Ion Ratio Lower Upper
106 100
91 220.8 107.2 321.6





#69
Styrene
Concen: 20.580 ug/l
RT: 12.413 min Scan# 1781
Delta R.T. -0.000 min
Lab File: VN077017.D
Acq: 16 Mar 2023 13:08

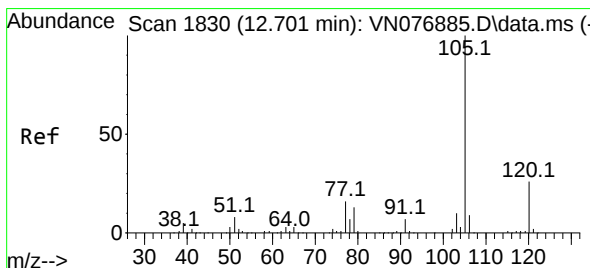
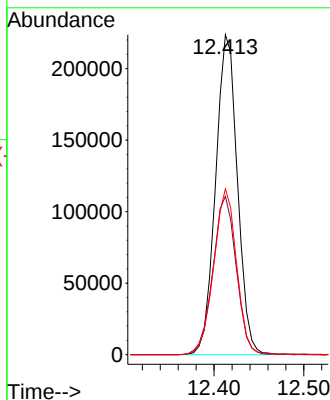
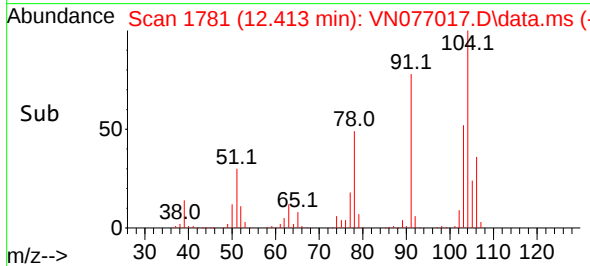
Instrument :
MSVOA_N
ClientSampleId :
VN0316WBSD02



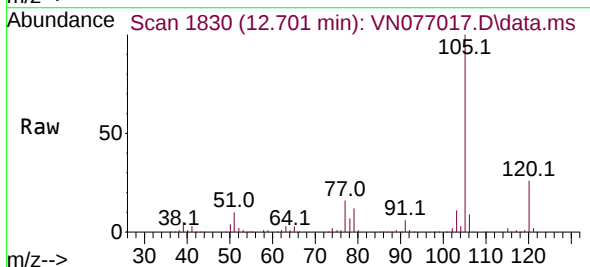
Tgt Ion:104 Resp: 37814
Ion Ratio Lower Upper
104 100
78 52.9 39.6 59.4
103 54.1 43.9 65.9

Manual Integrations
APPROVED

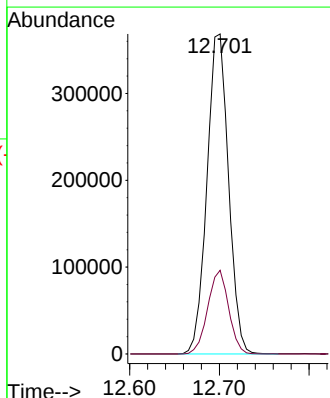
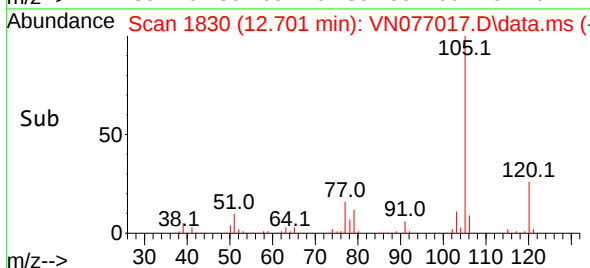
Reviewed By :John Carlone 03/17/2023
Supervised By :Mahesh Dadoda 03/17/2023

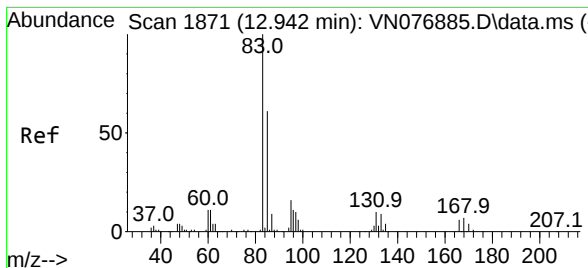


#70
Isopropylbenzene
Concen: 20.867 ug/l
RT: 12.701 min Scan# 1830
Delta R.T. -0.000 min
Lab File: VN077017.D
Acq: 16 Mar 2023 13:08



Tgt Ion:105 Resp: 615131
Ion Ratio Lower Upper
105 100
120 25.3 19.0 35.2





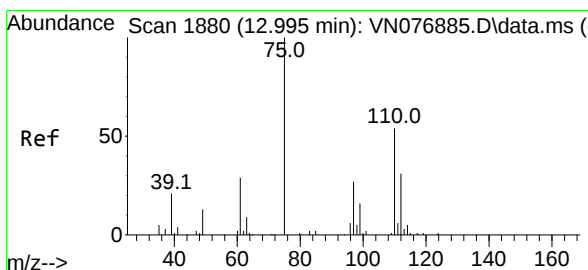
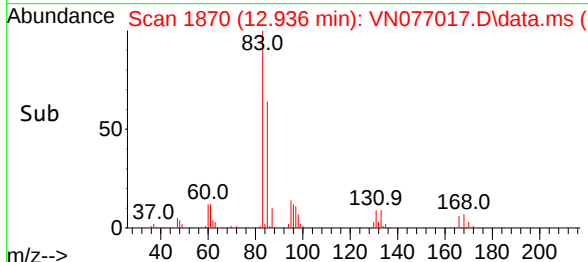
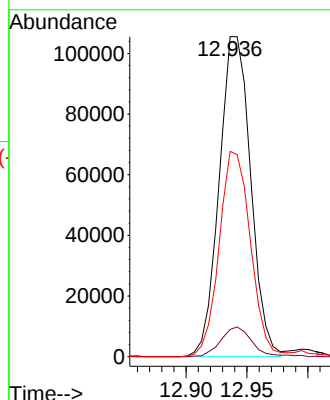
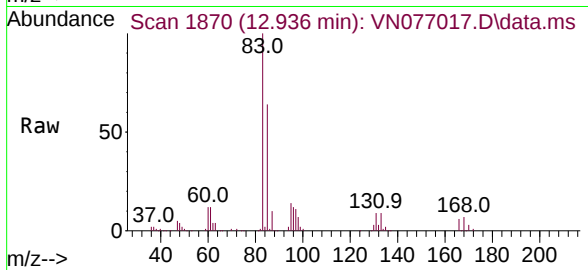
#71
1,1,2,2-Tetrachloroethane
Concen: 21.384 ug/l
RT: 12.936 min Scan# 1870
Delta R.T. -0.006 min
Lab File: VN077017.D
Acq: 16 Mar 2023 13:08

Instrument :
MSVOA_N
ClientSampleId :
VN0316WBSD02

Tgt Ion: 83 Resp: 19006
Ion Ratio Lower Upper
83 100
131 9.3 5.0 14.9
85 63.9 32.3 96.9

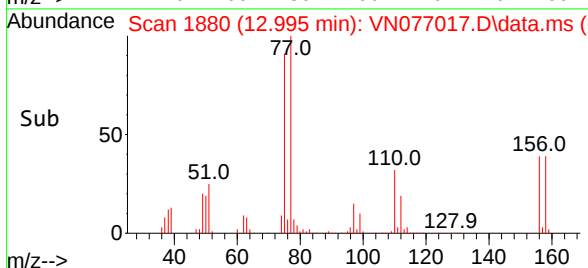
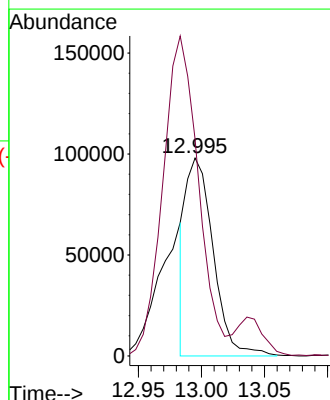
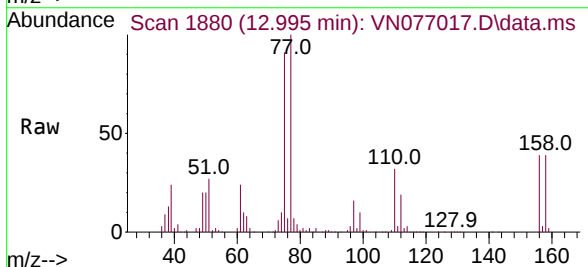
Manual Integrations
APPROVED

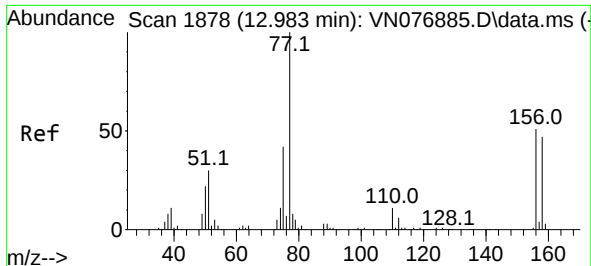
Reviewed By :John Carlone 03/17/2023
Supervised By :Mahesh Dadoda 03/17/2023



#72
1,2,3-Trichloropropane
Concen: 18.027 ug/l m
RT: 12.995 min Scan# 1880
Delta R.T. -0.000 min
Lab File: VN077017.D
Acq: 16 Mar 2023 13:08

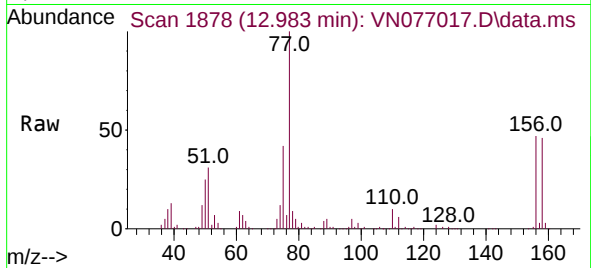
Tgt Ion: 75 Resp: 146982
Ion Ratio Lower Upper
75 100
77 210.5 0.0 332.6





#73
Bromobenzene
Concen: 19.751 ug/l
RT: 12.983 min Scan# 1878
Delta R.T. 0.000 min
Lab File: VN077017.D
Acq: 16 Mar 2023 13:08

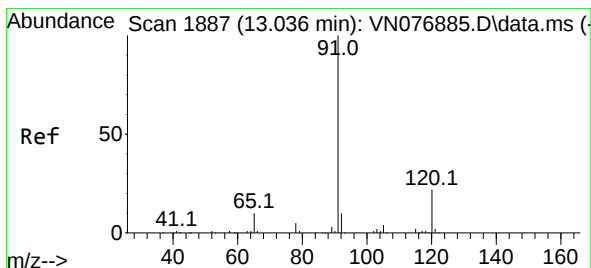
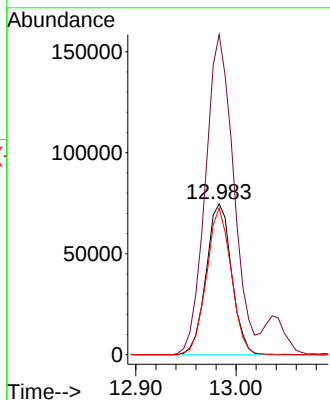
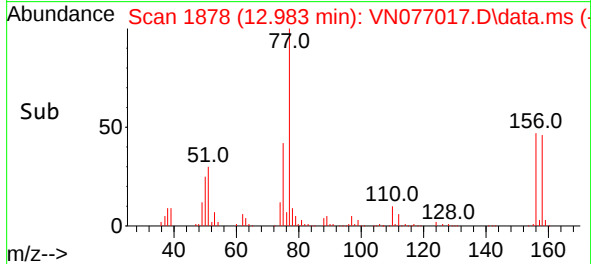
Instrument :
MSVOA_N
ClientSampleId :
VN0316WBSD02



Tgt Ion:156 Resp: 131380
Ion Ratio Lower Upper
156 100
77 235.4 0.0 423.0
158 94.7 0.0 188.6

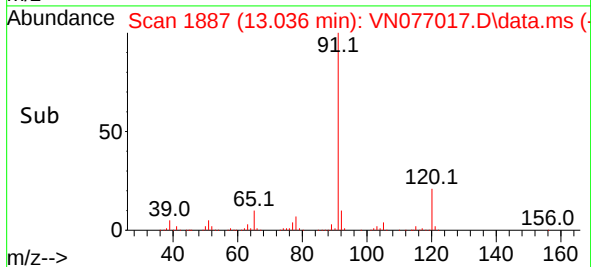
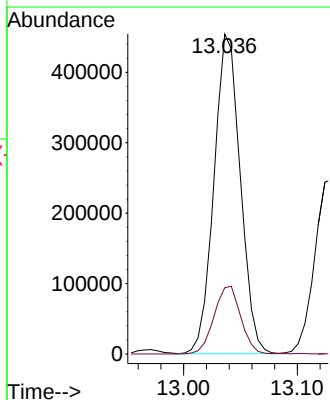
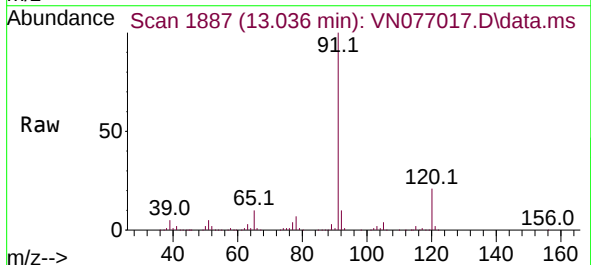
Manual Integrations
APPROVED

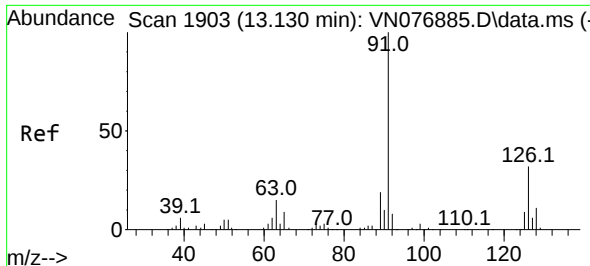
Reviewed By :John Carlone 03/17/2023
Supervised By :Mahesh Dadoda 03/17/2023



#74
n-propylbenzene
Concen: 21.023 ug/l
RT: 13.036 min Scan# 1887
Delta R.T. 0.000 min
Lab File: VN077017.D
Acq: 16 Mar 2023 13:08

Tgt Ion: 91 Resp: 731496
Ion Ratio Lower Upper
91 100
120 21.5 0.0 44.0





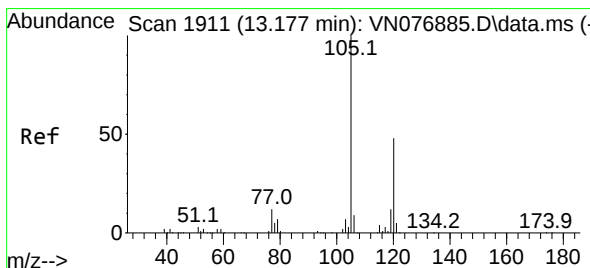
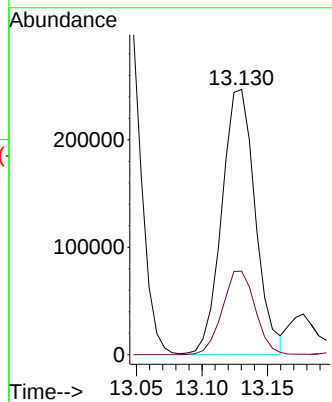
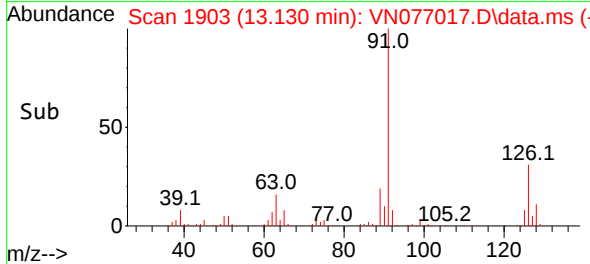
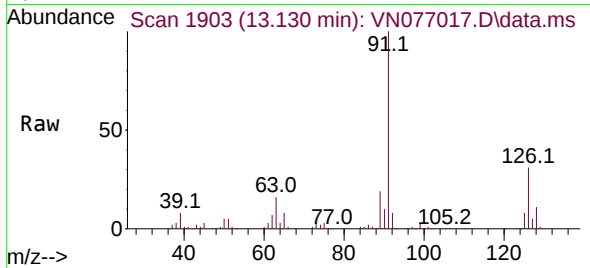
#75
2-Chlorotoluene
Concen: 20.394 ug/l
RT: 13.130 min Scan# 1903
Delta R.T. 0.006 min
Lab File: VN077017.D
Acq: 16 Mar 2023 13:08

Instrument :
MSVOA_N
ClientSampleId :
VN0316WBSD02

Tgt Ion: 91 Resp: 43884
Ion Ratio Lower Upper
91 100
126 30.9 0.0 66.4

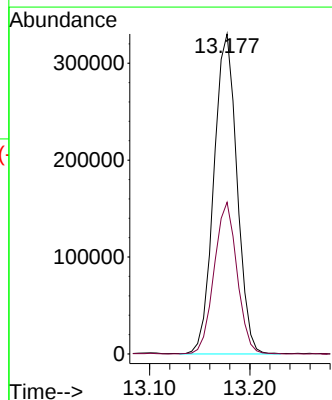
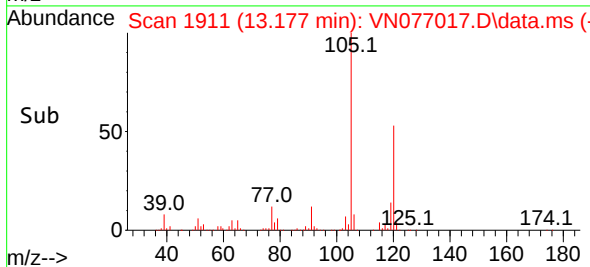
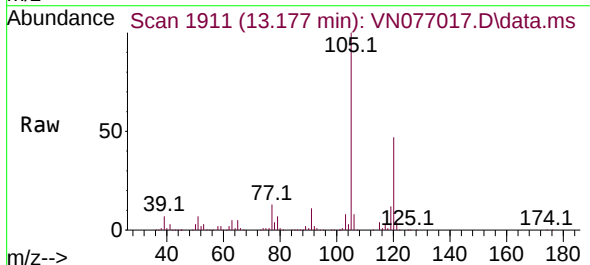
Manual Integrations
APPROVED

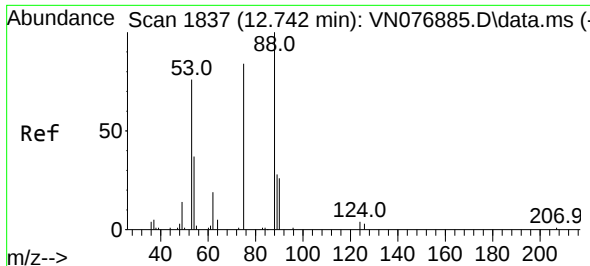
Reviewed By :John Carlone 03/17/2023
Supervised By :Mahesh Dadoda 03/17/2023



#76
1,3,5-Trimethylbenzene
Concen: 20.720 ug/l
RT: 13.177 min Scan# 1911
Delta R.T. 0.000 min
Lab File: VN077017.D
Acq: 16 Mar 2023 13:08

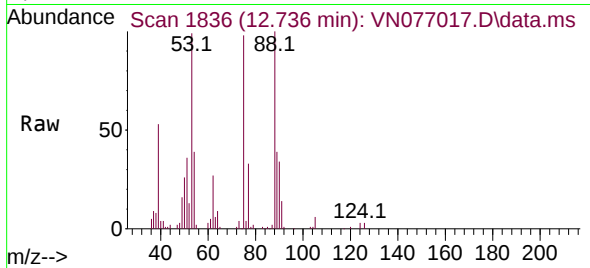
Tgt Ion:105 Resp: 528653
Ion Ratio Lower Upper
105 100
120 47.0 0.0 103.2





#77
t-1,4-Dichloro-2-butene
Concen: 23.290 ug/l
RT: 12.736 min Scan# 1836
Delta R.T. 0.000 min
Lab File: VN077017.D
Acq: 16 Mar 2023 13:08

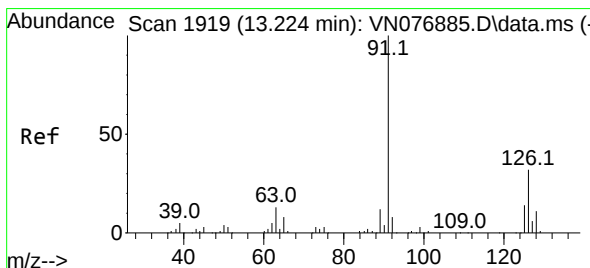
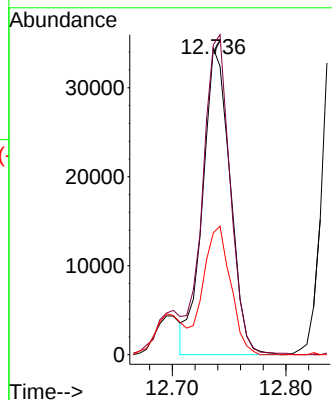
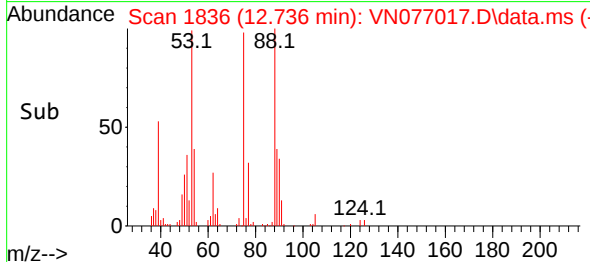
Instrument :
MSVOA_N
ClientSampleId :
VN0316WBSD02



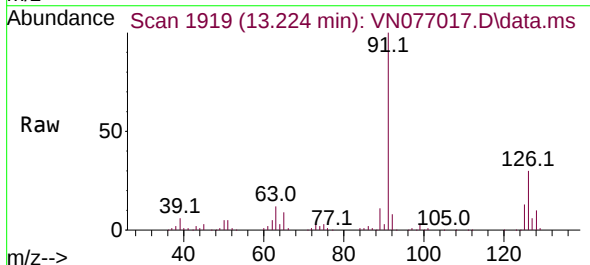
Tgt Ion: 75 Resp: 57960
Ion Ratio Lower Upper
75 100
53 100.7 50.4 151.3
89 39.8 22.1 66.5

Manual Integrations
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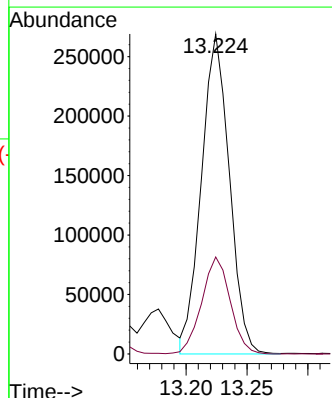
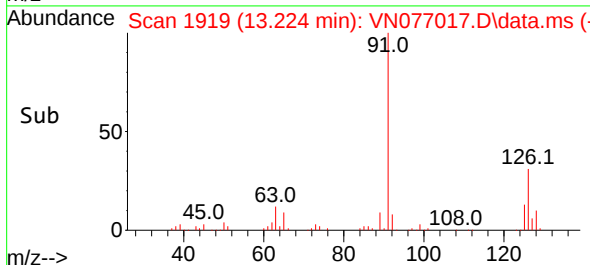
Reviewed By :John Carlone 03/17/2023
Supervised By :Mahesh Dadoda 03/17/2023

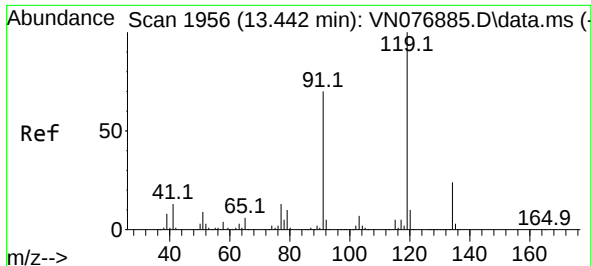


#78
4-Chlorotoluene
Concen: 20.757 ug/l
RT: 13.224 min Scan# 1919
Delta R.T. 0.000 min
Lab File: VN077017.D
Acq: 16 Mar 2023 13:08



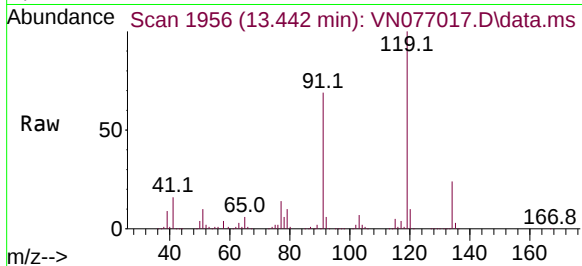
Tgt Ion: 91 Resp: 430553
Ion Ratio Lower Upper
91 100
126 30.9 0.0 70.6





#79
tert-butylbenzene
Concen: 20.368 ug/l
RT: 13.442 min Scan# 1956
Delta R.T. -0.000 min
Lab File: VN077017.D
Acq: 16 Mar 2023 13:08

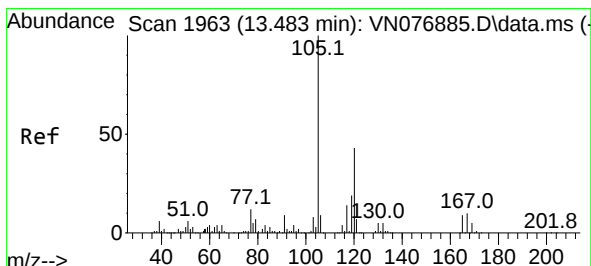
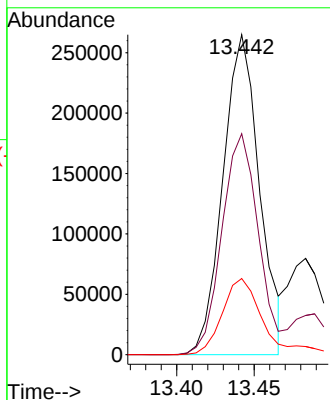
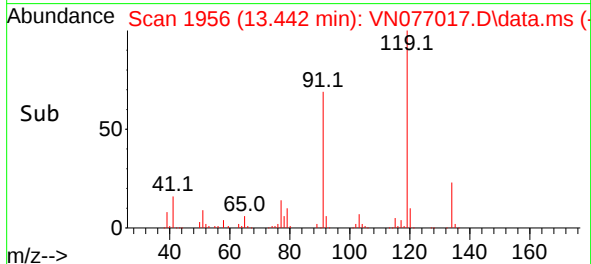
Instrument :
MSVOA_N
ClientSampleId :
VN0316WBSD02



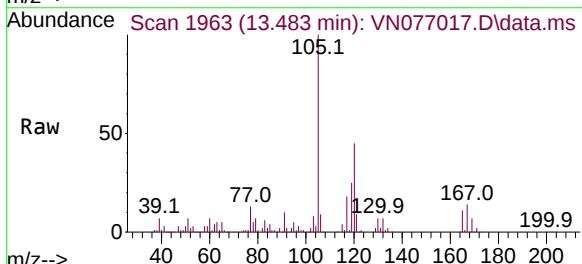
Tgt Ion:119 Resp: 43459
Ion Ratio Lower Upper
119 100
91 68.7 0.0 129.6
134 24.5 0.0 47.8

Manual Integrations
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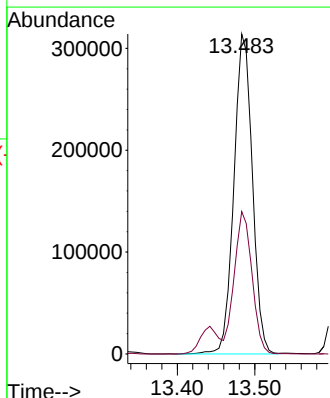
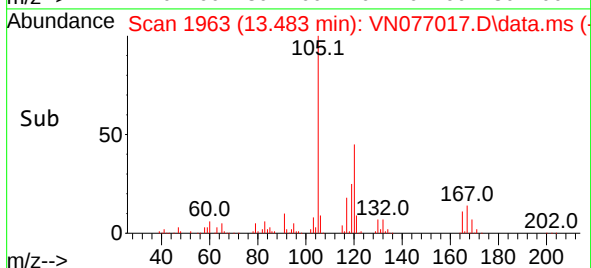
Reviewed By :John Carlone 03/17/2023
Supervised By :Mahesh Dadoda 03/17/2023

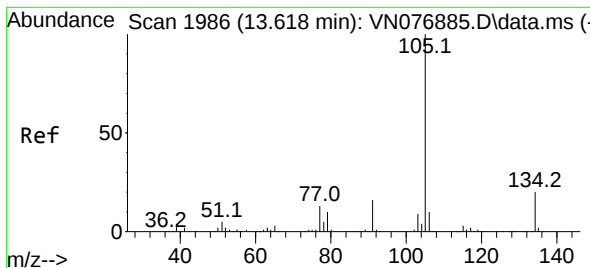


#80
1,2,4-Trimethylbenzene
Concen: 20.803 ug/l
RT: 13.483 min Scan# 1963
Delta R.T. 0.000 min
Lab File: VN077017.D
Acq: 16 Mar 2023 13:08



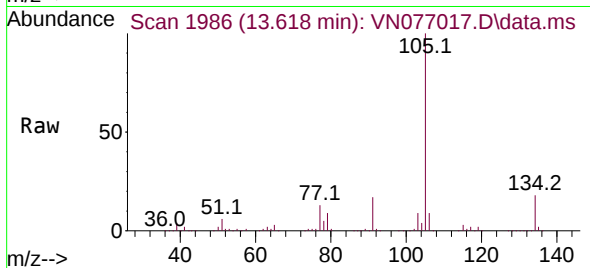
Tgt Ion:105 Resp: 521632
Ion Ratio Lower Upper
105 100
120 42.4 0.0 93.2





#81
 sec-Butylbenzene
 Concen: 20.694 ug/l
 RT: 13.618 min Scan# 1986
 Delta R.T. 0.000 min
 Lab File: VN077017.D
 Acq: 16 Mar 2023 13:08

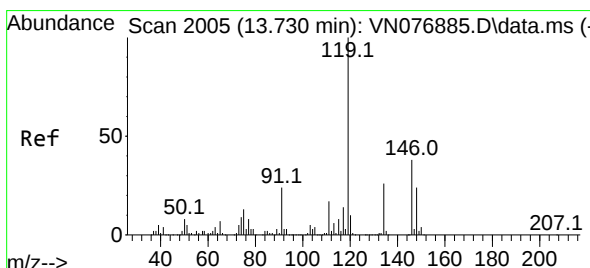
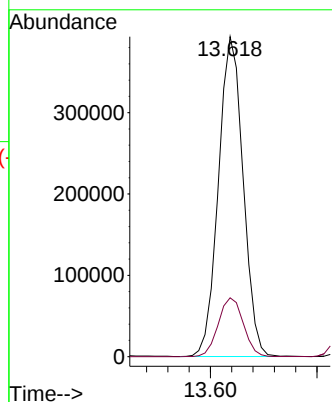
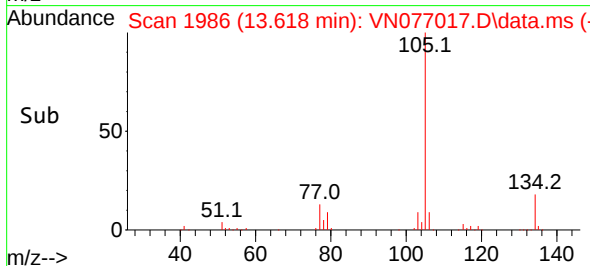
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0316WBSD02



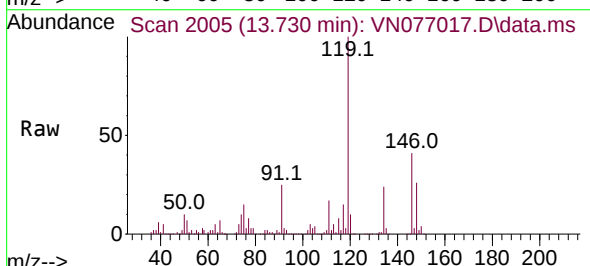
Tgt Ion:105 Resp: 631734
 Ion Ratio Lower Upper
 105 100
 134 18.7 0.0 39.4

Manual Integrations
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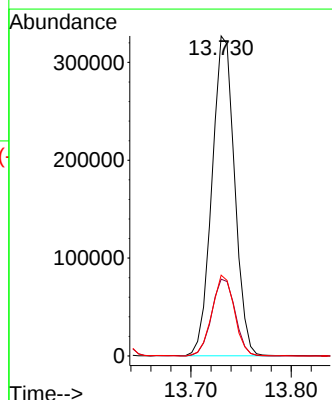
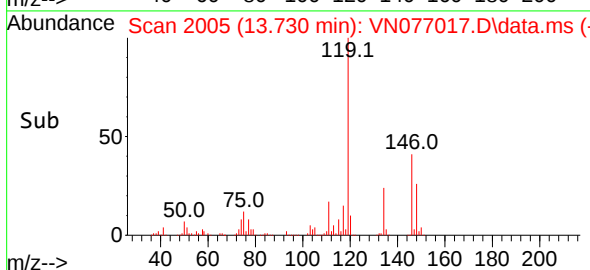
Reviewed By :John Carlone 03/17/2023
 Supervised By :Mahesh Dadoda 03/17/2023

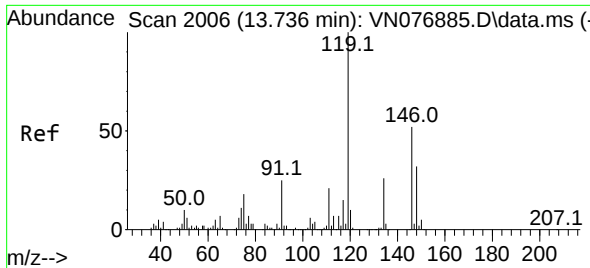


#82
 p-Isopropyltoluene
 Concen: 20.766 ug/l
 RT: 13.730 min Scan# 2005
 Delta R.T. 0.000 min
 Lab File: VN077017.D
 Acq: 16 Mar 2023 13:08



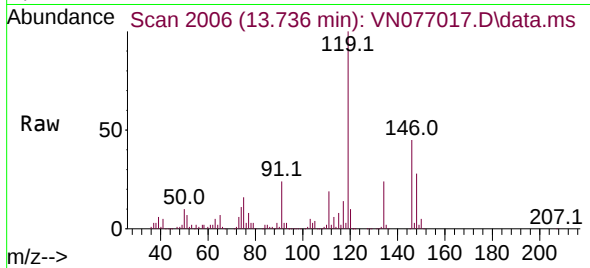
Tgt Ion:119 Resp: 512357
 Ion Ratio Lower Upper
 119 100
 134 24.9 0.0 53.4
 91 25.0 0.0 47.2





#83
1,3-Dichlorobenzene
Concen: 20.040 ug/l
RT: 13.736 min Scan# 2006
Delta R.T. 0.000 min
Lab File: VN077017.D
Acq: 16 Mar 2023 13:08

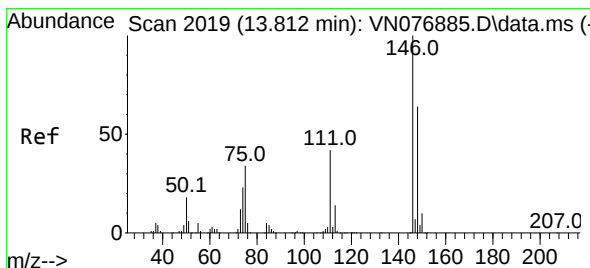
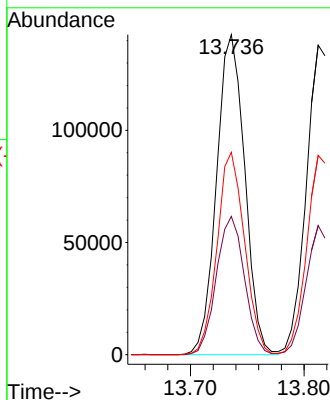
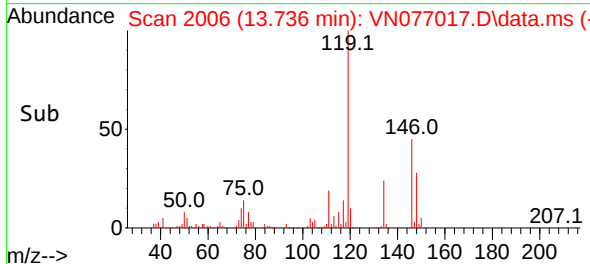
Instrument :
MSVOA_N
ClientSampleId :
VN0316WBSD02



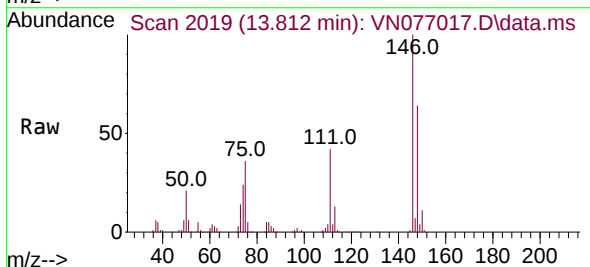
Tgt Ion:146 Resp: 246652
Ion Ratio Lower Upper
146 100
111 43.0 20.3 60.8
148 61.8 31.9 95.5

Manual Integrations
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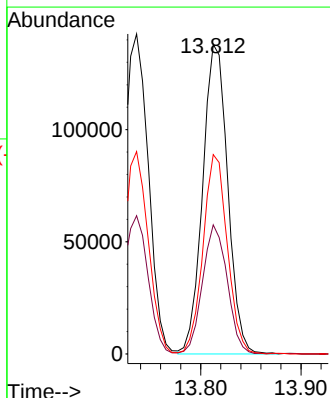
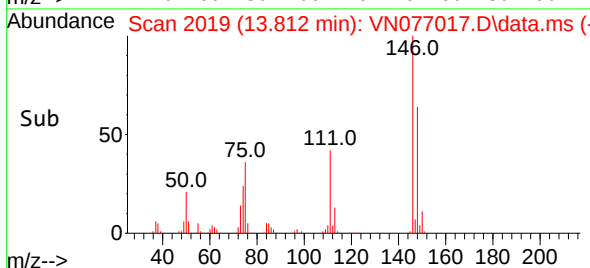
Reviewed By :John Carlone 03/17/2023
Supervised By :Mahesh Dadoda 03/17/2023

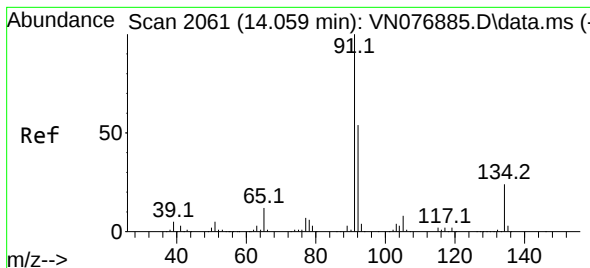


#84
1,4-Dichlorobenzene
Concen: 20.058 ug/l
RT: 13.812 min Scan# 2019
Delta R.T. -0.001 min
Lab File: VN077017.D
Acq: 16 Mar 2023 13:08



Tgt Ion:146 Resp: 239809
Ion Ratio Lower Upper
146 100
111 40.9 18.2 54.6
148 62.4 31.1 93.2





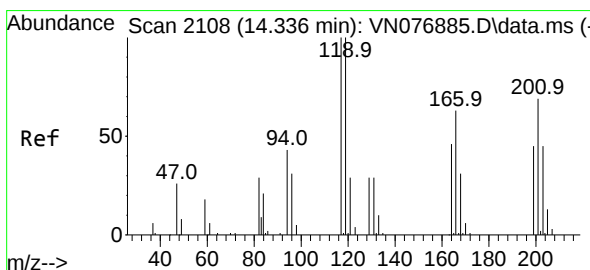
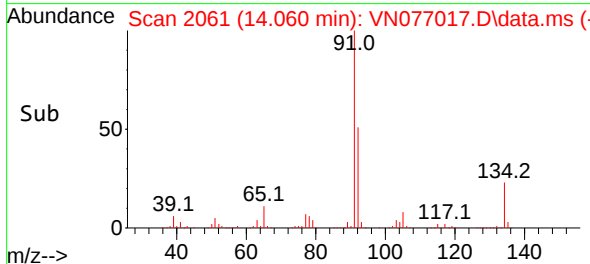
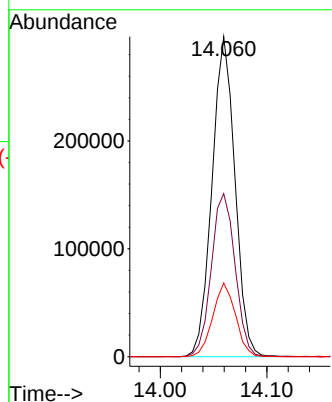
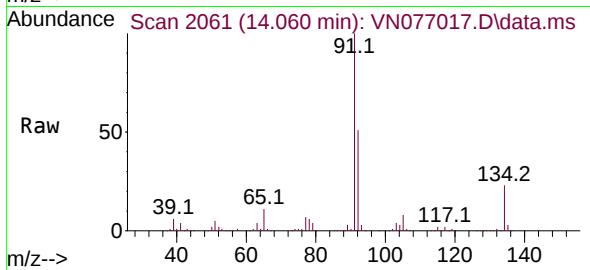
#85
n-Butylbenzene
Concen: 21.204 ug/l
RT: 14.060 min Scan# 2061
Delta R.T. -0.000 min
Lab File: VN077017.D
Acq: 16 Mar 2023 13:08

Instrument :
MSVOA_N
ClientSampleId :
VN0316WBSD02

Tgt Ion: 91 Resp: 443452
Ion Ratio Lower Upper
91 100
92 52.8 0.0 103.2
134 22.8 0.0 50.0

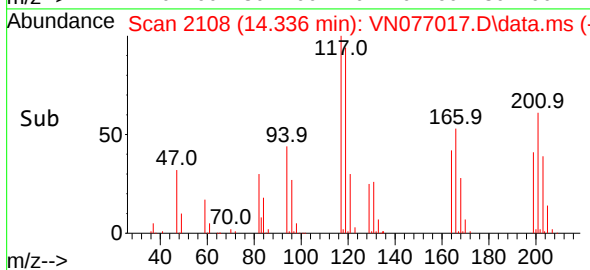
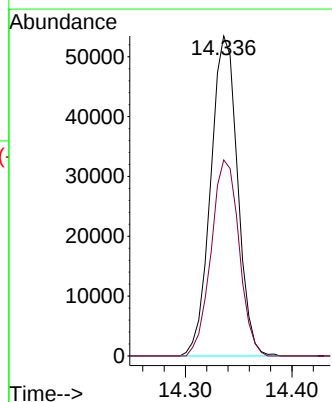
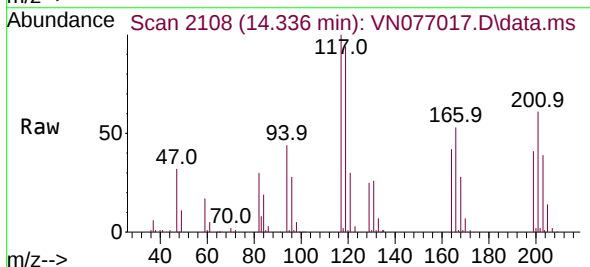
Manual Integrations
APPROVED

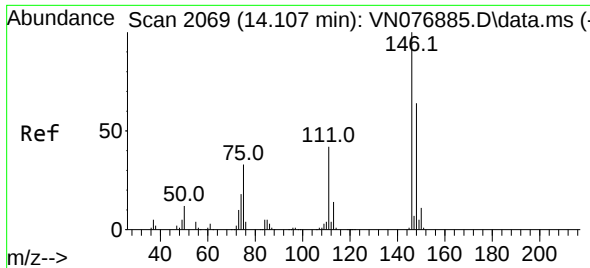
Reviewed By :John Carlone 03/17/2023
Supervised By :Mahesh Dadoda 03/17/2023



#86
Hexachloroethane
Concen: 21.232 ug/l
RT: 14.336 min Scan# 2108
Delta R.T. -0.000 min
Lab File: VN077017.D
Acq: 16 Mar 2023 13:08

Tgt Ion:117 Resp: 93533
Ion Ratio Lower Upper
117 100
201 63.7 32.2 96.6





#87

1,2-Dichlorobenzene

Concen: 19.639 ug/l

RT: 14.107 min Scan# 2069

Delta R.T. -0.000 min

Lab File: VN077017.D

Acq: 16 Mar 2023 13:08

Instrument :

MSVOA_N

ClientSampleId :

VN0316WBSD02

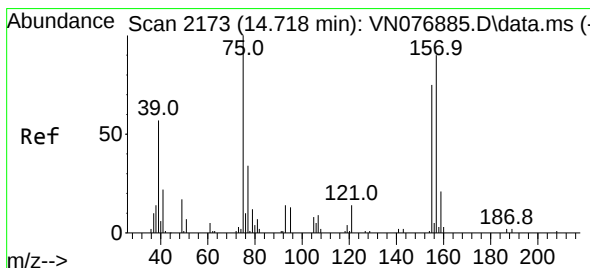
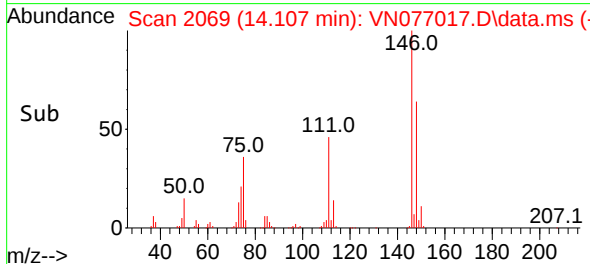
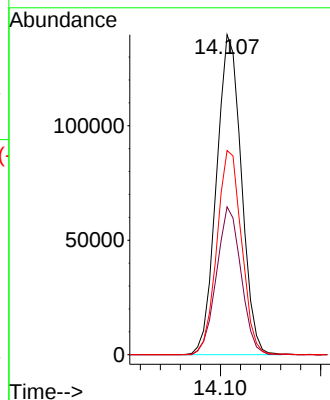
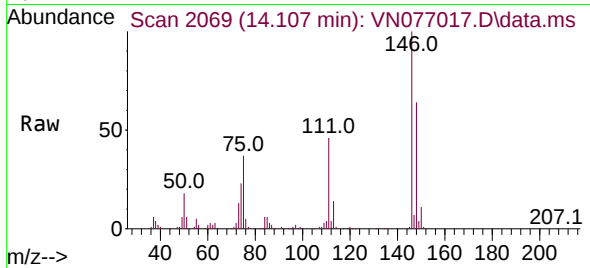
Tgt Ion:	146	Resp:	24104
Ion Ratio	Lower	Upper	
146	100		
111	45.4	20.5	61.6
148	63.2	32.5	97.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/17/2023

Supervised By :Mahesh Dadoda 03/17/2023



#88

1,2-Dibromo-3-Chloropropane

Concen: 21.072 ug/l

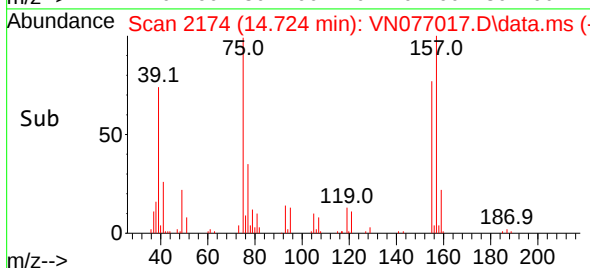
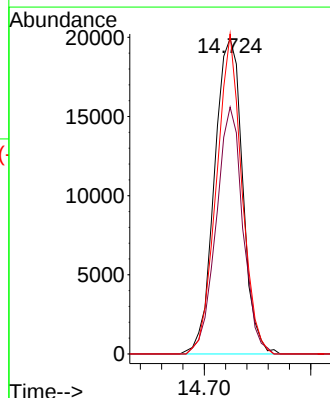
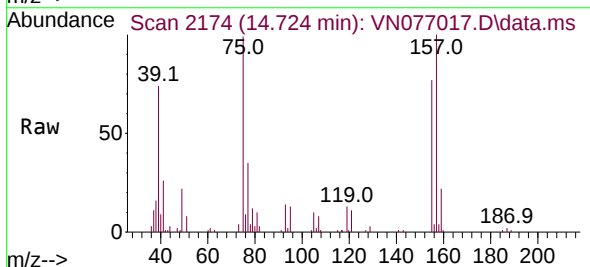
RT: 14.724 min Scan# 2174

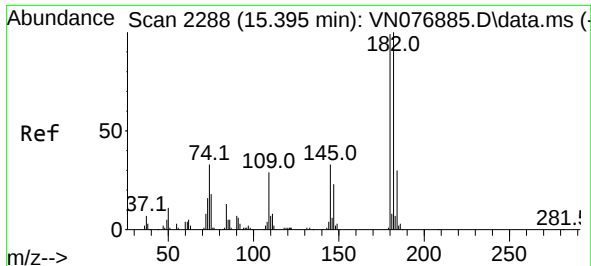
Delta R.T. 0.000 min

Lab File: VN077017.D

Acq: 16 Mar 2023 13:08

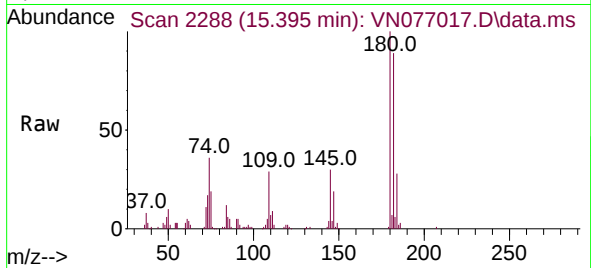
Tgt Ion:	75	Resp:	36479
Ion Ratio	Lower	Upper	
75	100		
155	74.3	62.5	93.7
157	91.2	77.5	116.3





#89
1,2,4-Trichlorobenzene
Concen: 18.688 ug/l
RT: 15.395 min Scan# 2288
Delta R.T. -0.000 min
Lab File: VN077017.D
Acq: 16 Mar 2023 13:08

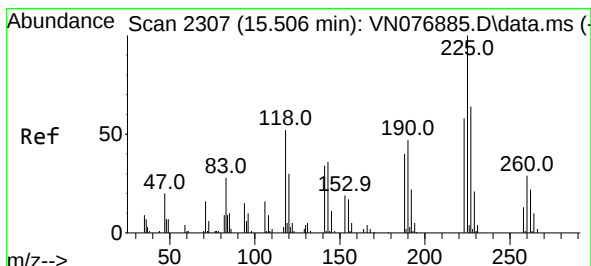
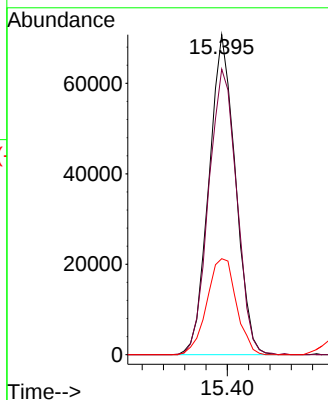
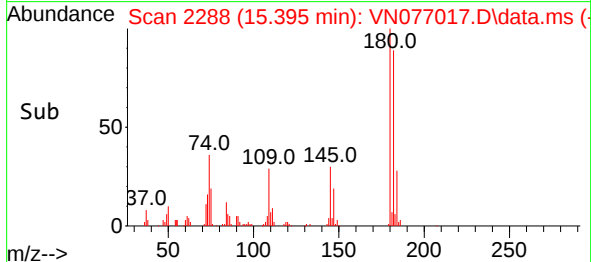
Instrument :
MSVOA_N
ClientSampleId :
VN0316WBSD02



Tgt Ion:180 Resp: 122358
Ion Ratio Lower Upper
180 100
182 94.2 76.6 115.0
145 33.3 24.6 36.8

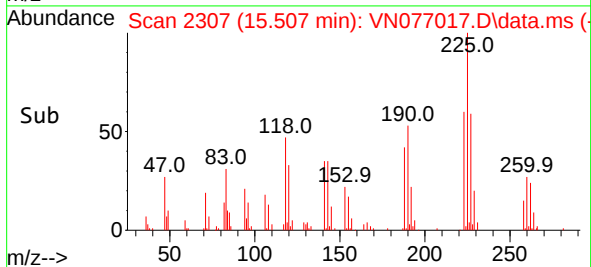
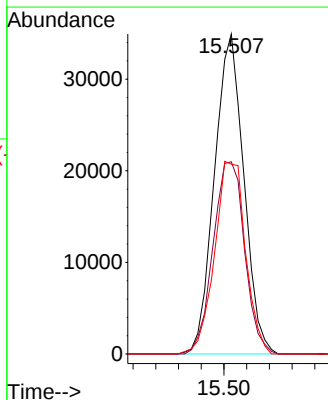
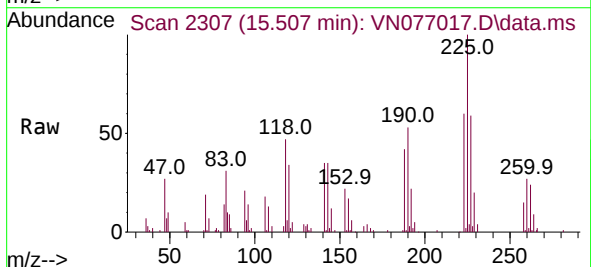
Manual Integrations
APPROVED

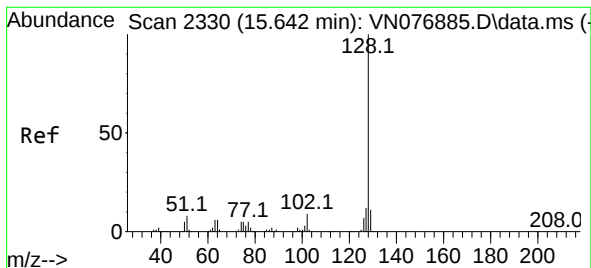
Reviewed By :John Carlone 03/17/2023
Supervised By :Mahesh Dadoda 03/17/2023



#90
Hexachlorobutadiene
Concen: 18.160 ug/l
RT: 15.507 min Scan# 2307
Delta R.T. 0.006 min
Lab File: VN077017.D
Acq: 16 Mar 2023 13:08

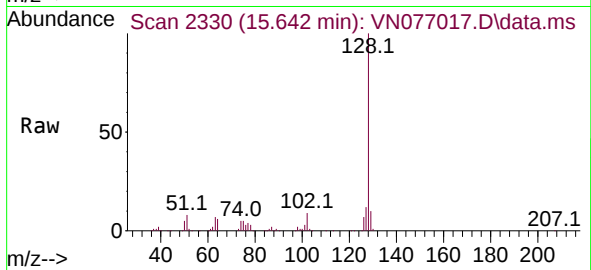
Tgt Ion:225 Resp: 62683
Ion Ratio Lower Upper
225 100
223 64.3 0.0 135.4
227 63.3 0.0 129.4





#91
Naphthalene
Concen: 18.843 ug/l
RT: 15.642 min Scan# 2130
Delta R.T. -0.000 min
Lab File: VN077017.D
Acq: 16 Mar 2023 13:08

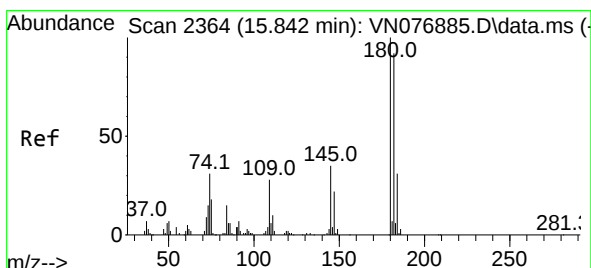
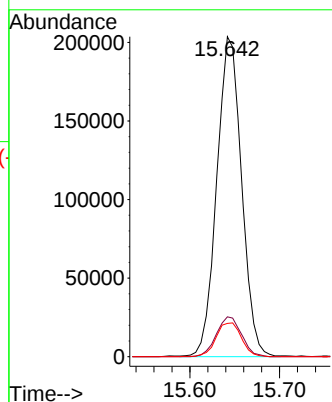
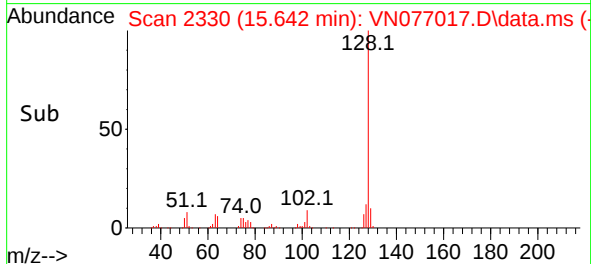
Instrument :
MSVOA_N
ClientSampleId :
VN0316WBSD02



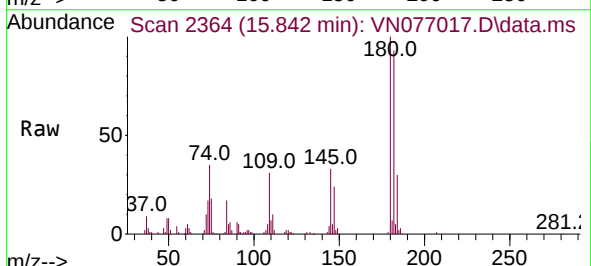
Tgt Ion:128 Resp: 391308
Ion Ratio Lower Upper
128 100
127 12.6 11.0 16.6
129 10.9 8.9 13.3

Manual Integrations
APPROVED

Reviewed By :John Carlone 03/17/2023
Supervised By :Mahesh Dadoda 03/17/2023



#92
1,2,3-Trichlorobenzene
Concen: 18.230 ug/l
RT: 15.842 min Scan# 2364
Delta R.T. -0.000 min
Lab File: VN077017.D
Acq: 16 Mar 2023 13:08



Tgt Ion:180 Resp: 119662
Ion Ratio Lower Upper
180 100
182 97.1 0.0 190.8
145 35.2 0.0 65.0

