

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN122122\
 Data File : VN075929.D
 Acq On : 21 Dec 2022 19:05
 Operator : JC\MD
 Sample : VN1221MBS01
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1221MBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 12/22/2022
 Supervised By : Mahesh Dadoda 12/22/2022

Quant Time: Dec 22 03:05:23 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N121422W.M
 Quant Title : SW846 8260
 QLast Update : Wed Dec 14 13:03:41 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.230	168	317527	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	514405	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	454983	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	214041	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	181391	52.510	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 105.020%			
35) Dibromofluoromethane	8.177	113	163121	51.205	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 102.420%			
50) Toluene-d8	10.571	98	612575	51.430	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 102.860%			
62) 4-Bromofluorobenzene	12.853	95	206060	52.234	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 104.460%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.142	85	39290	17.427	ug/l	98
3) Chloromethane	2.377	50	47784	17.044	ug/l	98
4) Vinyl Chloride	2.530	62	59146	17.686	ug/l	100
5) Bromomethane	2.965	94	50313	17.703	ug/l	99
6) Chloroethane	3.124	64	45083	18.205	ug/l	98
7) Trichlorofluoromethane	3.512	101	93541	18.434	ug/l	98
8) Diethyl Ether	3.971	74	37669	20.324	ug/l	98
9) 1,1,2-Trichlorotrifluo...	4.389	101	55940	19.306	ug/l	98
10) Methyl Iodide	4.601	142	84150	17.895	ug/l	99
11) Tert butyl alcohol	5.536	59	43115	88.207	ug/l	100
12) 1,1-Dichloroethene	4.354	96	51442	18.279	ug/l	94
13) Acrolein	4.195	56	64553	107.724	ug/l	97
14) Allyl chloride	5.042	41	58792	17.871	ug/l	92
15) Acrylonitrile	5.736	53	129001	96.710	ug/l	99
16) Acetone	4.442	43	99096	83.218	ug/l	94
17) Carbon Disulfide	4.724	76	110388	16.201	ug/l #	95
18) Methyl Acetate	5.048	43	67830	19.270	ug/l	99
19) Methyl tert-butyl Ether	5.806	73	184246	19.881	ug/l	93
20) Methylene Chloride	5.289	84	61604	18.941	ug/l	98
21) trans-1,2-Dichloroethene	5.801	96	55595	18.039	ug/l	91
22) Diisopropyl ether	6.683	45	160842	20.126	ug/l	98
23) Vinyl Acetate	6.612	43	517642	96.233	ug/l	99
24) 1,1-Dichloroethane	6.583	63	102327	19.199	ug/l	99
25) 2-Butanone	7.495	43	157457	94.436	ug/l	99
26) 2,2-Dichloropropane	7.495	77	80388	17.810	ug/l	97
27) cis-1,2-Dichloroethene	7.495	96	70060	19.007	ug/l	99
28) Bromochloromethane	7.824	49	37328	15.979	ug/l	98
29) Tetrahydrofuran	7.847	42	104447	99.961	ug/l	99
30) Chloroform	7.971	83	114207	19.032	ug/l	98
31) Cyclohexane	8.259	56	91045	18.403	ug/l	96
32) 1,1,1-Trichloroethane	8.177	97	103183	19.395	ug/l	95
36) 1,1-Dichloropropene	8.377	75	77758	18.375	ug/l	99
37) Ethyl Acetate	7.565	43	68131	20.043	ug/l	98
38) Carbon Tetrachloride	8.371	117	88294	18.642	ug/l	99
39) Methylcyclohexane	9.606	83	98484	19.290	ug/l	96
40) Benzene	8.612	78	247519	18.957	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.789	41	34264	19.393	ug/l	96
42) 1,2-Dichloroethane	8.677	62	83414	19.217	ug/l	99
43) Isopropyl Acetate	8.694	43	111857	19.949	ug/l	99
44) Trichloroethene	9.359	130	65721	17.867	ug/l	96
45) 1,2-Dichloropropane	9.624	63	59621	18.765	ug/l	98
46) Dibromomethane	9.718	93	45283	19.216	ug/l	98
47) Bromodichloromethane	9.894	83	87523	18.939	ug/l	98
48) Methyl methacrylate	9.683	41	51469	20.380	ug/l	99
49) 1,4-Dioxane	9.700	88	23182	373.385	ug/l	98
51) 4-Methyl-2-Pentanone	10.447	43	347445	102.461	ug/l	99
52) Toluene	10.636	92	165498	19.463	ug/l	99
53) t-1,3-Dichloropropene	10.841	75	84954	18.779	ug/l	100
54) cis-1,3-Dichloropropene	10.318	75	96031	19.334	ug/l	98
55) 1,1,2-Trichloroethane	11.018	97	67618	20.259	ug/l	98
56) Ethyl methacrylate	10.877	69	89808	20.258	ug/l	98
57) 1,3-Dichloropropane	11.165	76	105601	19.289	ug/l	100
58) 2-Chloroethyl Vinyl ether	10.165	63	136918	97.004	ug/l	100
59) 2-Hexanone	11.200	43	250641	101.353	ug/l	100
60) Dibromochloromethane	11.359	129	69285	18.666	ug/l	99
61) 1,2-Dibromoethane	11.471	107	66025	19.548	ug/l	99
64) Tetrachloroethene	11.106	164	62348	19.474	ug/l	98
65) Chlorobenzene	11.894	112	176711	18.923	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.965	131	67378	19.479	ug/l	99
67) Ethyl Benzene	11.965	91	314677	19.966	ug/l	99
68) m/p-Xylenes	12.071	106	249128	39.936	ug/l	100
69) o-Xylene	12.400	106	122619	19.863	ug/l	99
70) Styrene	12.412	104	198860	20.260	ug/l	98
71) Bromoform	12.582	173	50213	19.950	ug/l #	99
73) Isopropylbenzene	12.700	105	321180	20.765	ug/l	99
74) N-amyl acetate	12.494	43	95482	21.042	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.941	83	93646	19.585	ug/l	98
76) 1,2,3-Trichloropropane	12.994	75	77866m	18.047	ug/l	
77) Bromobenzene	12.982	156	76628	19.576	ug/l	98
78) n-propylbenzene	13.041	91	353548	20.724	ug/l	100
79) 2-Chlorotoluene	13.129	91	216671	20.346	ug/l	99
80) 1,3,5-Trimethylbenzene	13.177	105	270872	20.924	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.735	75	23145	19.309	ug/l	98
82) 4-Chlorotoluene	13.129	91	216671	20.346	ug/l	99
83) tert-Butylbenzene	13.441	119	247993	21.727	ug/l	98
84) 1,2,4-Trimethylbenzene	13.488	105	267083	20.797	ug/l	100
85) sec-Butylbenzene	13.618	105	334684	21.245	ug/l	100
86) p-Isopropyltoluene	13.735	119	272870	20.816	ug/l	99
87) 1,3-Dichlorobenzene	13.735	146	135612	18.755	ug/l	98
88) 1,4-Dichlorobenzene	13.812	146	135194	18.302	ug/l	98
89) n-Butylbenzene	14.059	91	207746	19.563	ug/l	100
90) Hexachloroethane	14.335	117	46225	19.714	ug/l	97
91) 1,2-Dichlorobenzene	14.106	146	138835	19.493	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.724	75	14741	17.374	ug/l	96
93) 1,2,4-Trichlorobenzene	15.394	180	64651	18.335	ug/l	98
94) Hexachlorobutadiene	15.506	225	35615	18.513	ug/l	98
95) Naphthalene	15.647	128	186727	17.509	ug/l	100
96) 1,2,3-Trichlorobenzene	15.841	180	60977	18.502	ug/l	98

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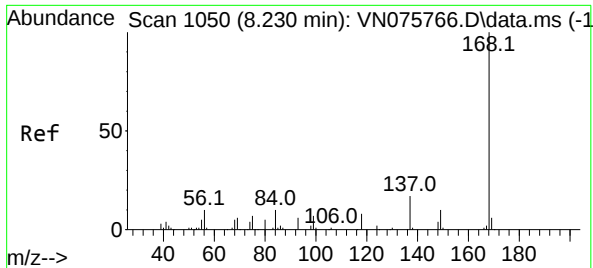
Manual Integrations
APPROVED

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Quant Title : SW846 8260
QLast Update : Wed Dec 14 13:03:41 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed



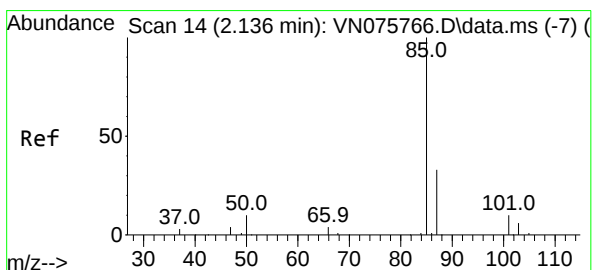
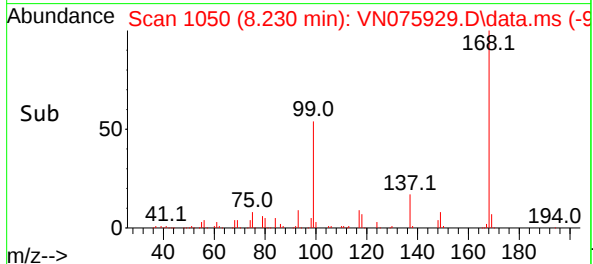
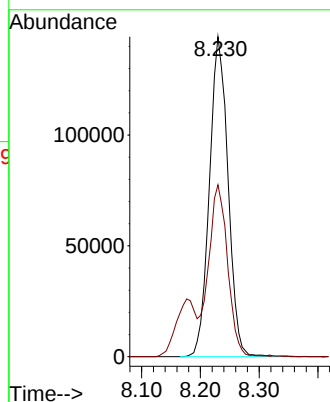
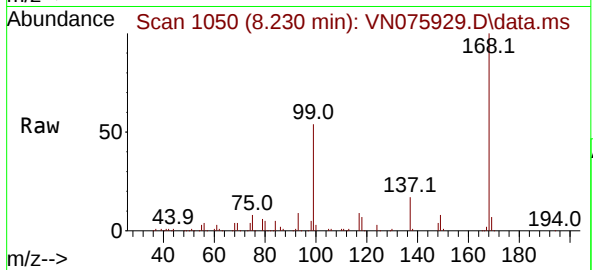
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN075929.D
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MSVOA_N
ClientSampleId :
VN1221MBSD01

Tgt Ion:168 Resp: 31752
Ion Ratio Lower Upper
168 100
99 53.5 44.2 66.4

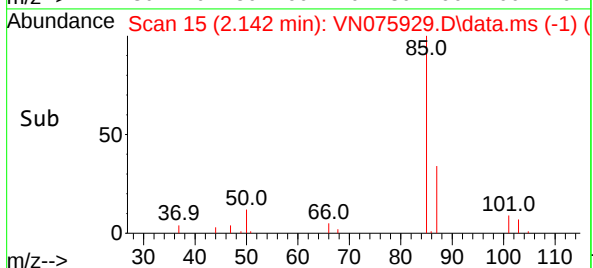
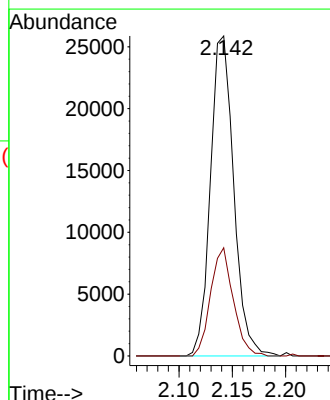
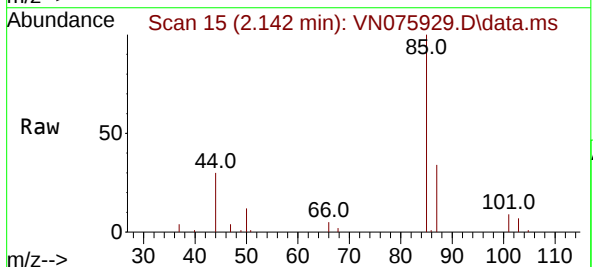
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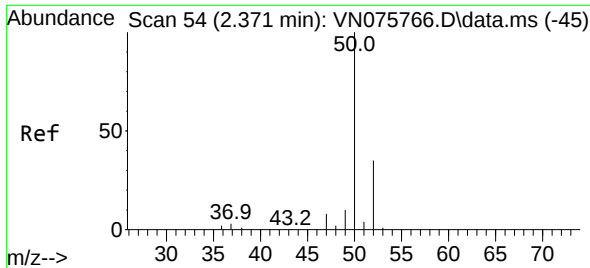
Reviewed By :John Carlone 12/22/2022
Supervised By :Mahesh Dadoda 12/22/2022



#2
Dichlorodifluoromethane
Concen: 17.427 ug/l
RT: 2.142 min Scan# 15
Delta R.T. 0.006 min
Lab File: VN075929.D
Acq: 21 Dec 2022 19:05

Tgt Ion: 85 Resp: 39290
Ion Ratio Lower Upper
85 100
87 33.8 16.3 48.9





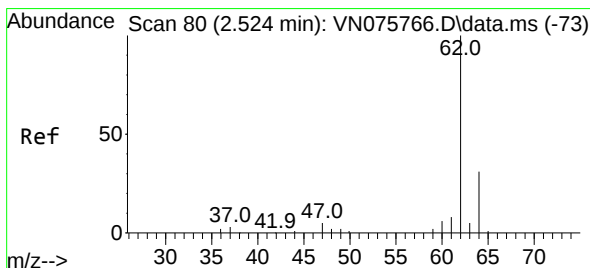
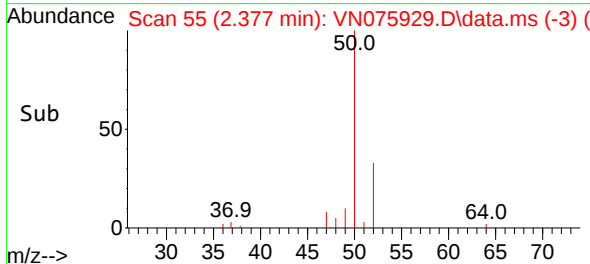
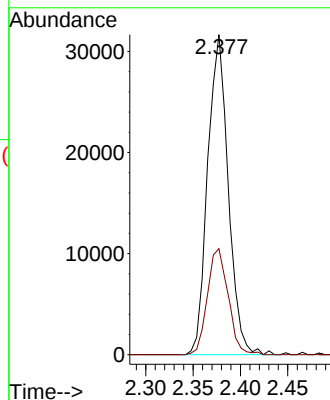
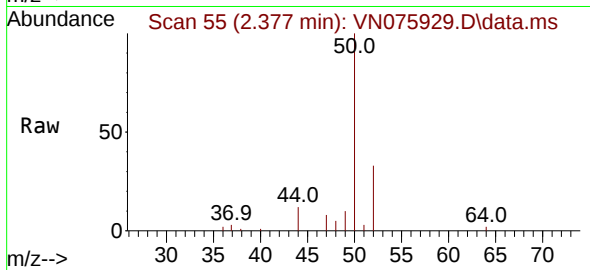
#3
Chloromethane
Concen: 17.044 ug/l
RT: 2.377 min Scan# 51
Delta R.T. 0.006 min
Lab File: VN075929.D
Acq: 21 Dec 2022 19:05

Instrument :
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ClientSampleId :
VN1221MBSD01

Tgt Ion: 50 Resp: 47784
Ion Ratio Lower Upper
50 100
52 33.2 27.7 41.5

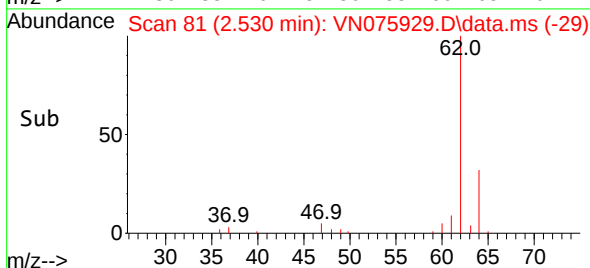
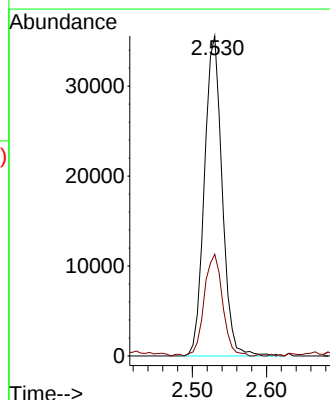
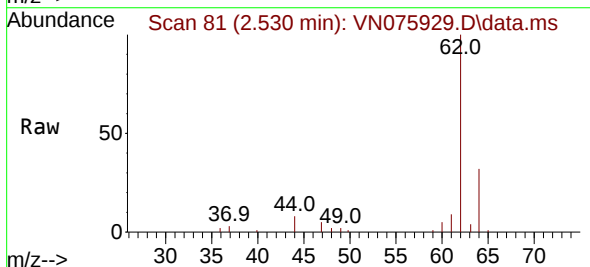
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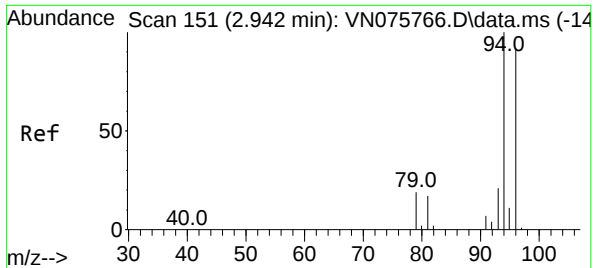
Reviewed By :John Carlone 12/22/2022
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#4
Vinyl Chloride
Concen: 17.686 ug/l
RT: 2.530 min Scan# 81
Delta R.T. 0.006 min
Lab File: VN075929.D
Acq: 21 Dec 2022 19:05

Tgt Ion: 62 Resp: 59146
Ion Ratio Lower Upper
62 100
64 31.4 24.9 37.3





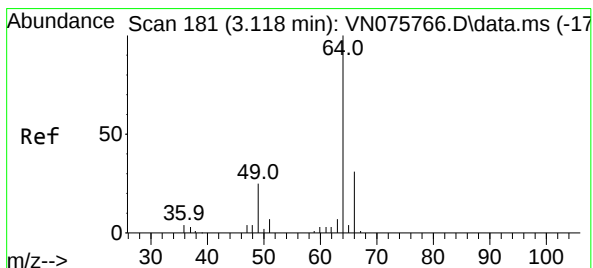
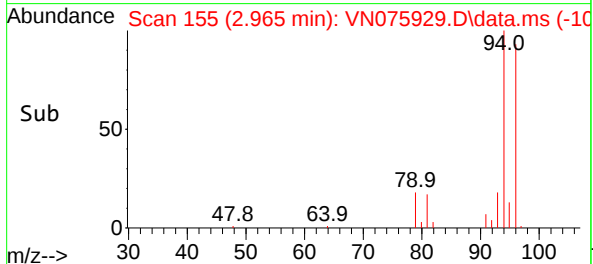
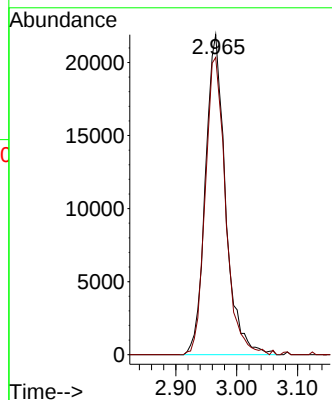
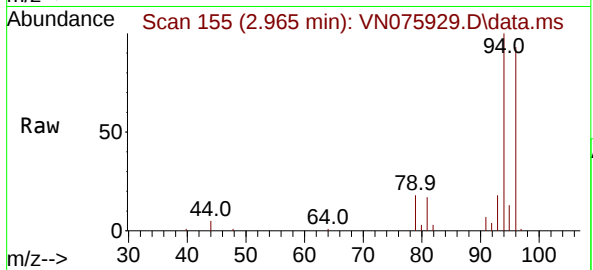
#5
Bromomethane
Concen: 17.703 ug/l
RT: 2.965 min Scan# 151
Delta R.T. 0.024 min
Lab File: VN075929.D
Acq: 21 Dec 2022 19:05

Instrument :
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Tgt Ion: 94 Resp: 5031
Ion Ratio Lower Upper
94 100
96 92.9 73.8 110.6

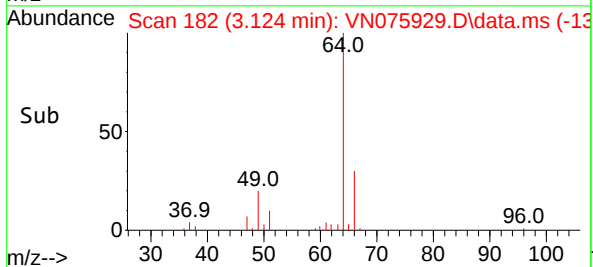
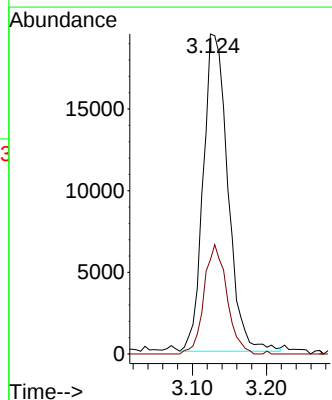
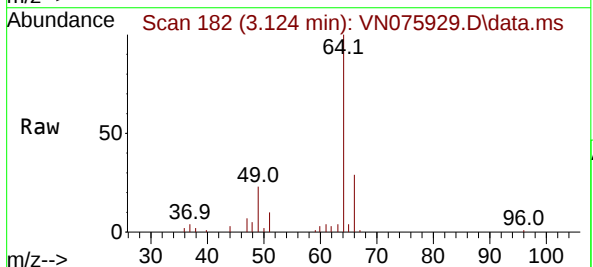
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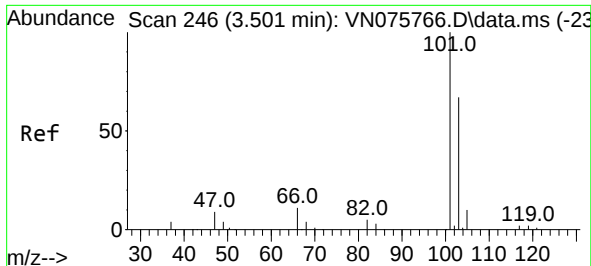
Reviewed By :John Carlone 12/22/2022
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#6
Chloroethane
Concen: 18.205 ug/l
RT: 3.124 min Scan# 182
Delta R.T. 0.006 min
Lab File: VN075929.D
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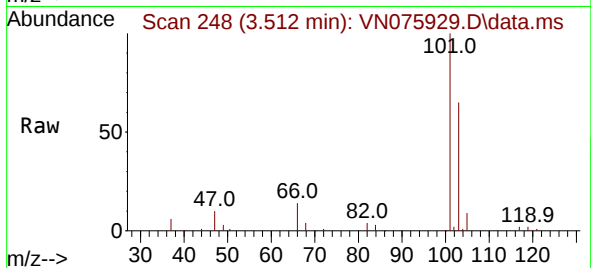
Tgt Ion: 64 Resp: 45083
Ion Ratio Lower Upper
64 100
66 29.7 24.6 36.8





#7
 Trichlorofluoromethane
 Concen: 18.434 ug/l
 RT: 3.512 min Scan# 246
 Delta R.T. 0.012 min
 Lab File: VN075929.D
 Acq: 21 Dec 2022 19:05

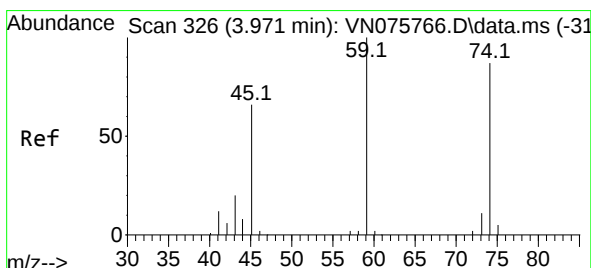
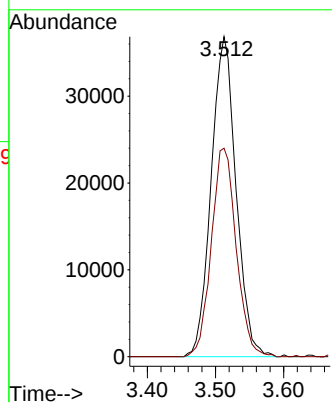
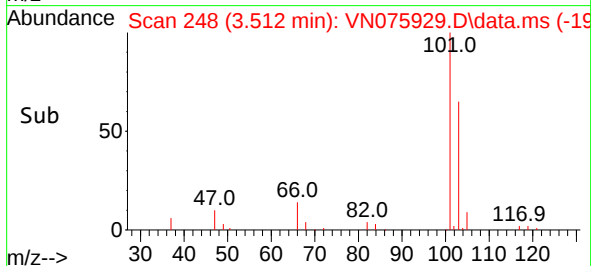
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1221MBSD01



Tgt Ion:101 Resp: 9354
 Ion Ratio Lower Upper
 101 100
 103 65.2 53.4 80.2

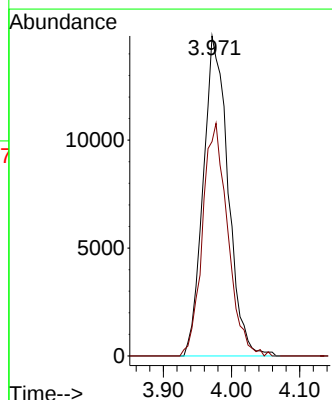
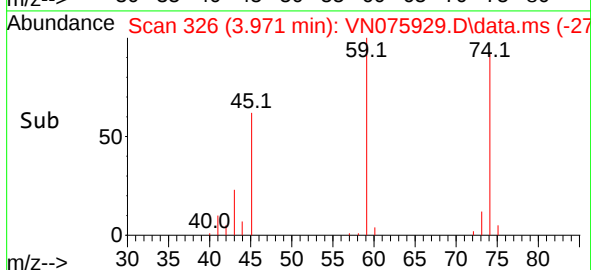
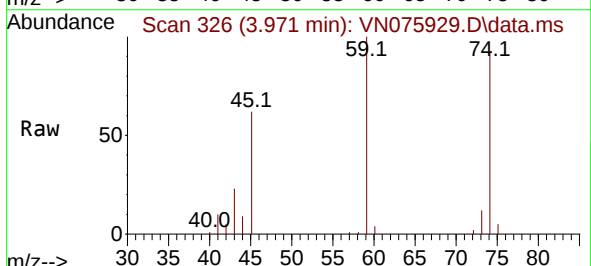
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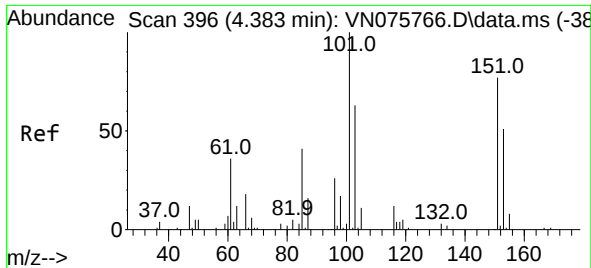
Reviewed By :John Carlone 12/22/2022
 Supervised By :Mahesh Dadoda 12/22/2022



#8
 Diethyl Ether
 Concen: 20.324 ug/l
 RT: 3.971 min Scan# 326
 Delta R.T. 0.000 min
 Lab File: VN075929.D
 Acq: 21 Dec 2022 19:05

Tgt Ion: 74 Resp: 37669
 Ion Ratio Lower Upper
 74 100
 45 73.6 37.8 113.4





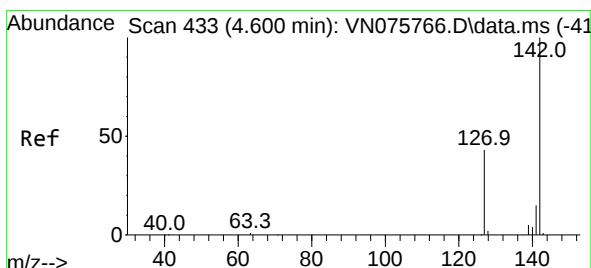
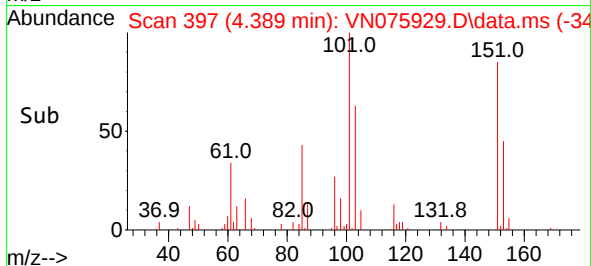
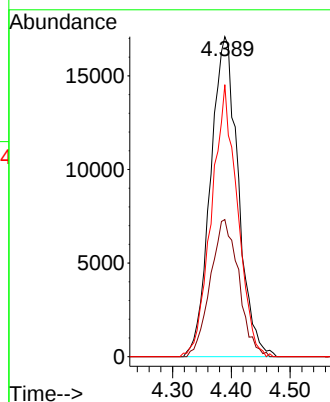
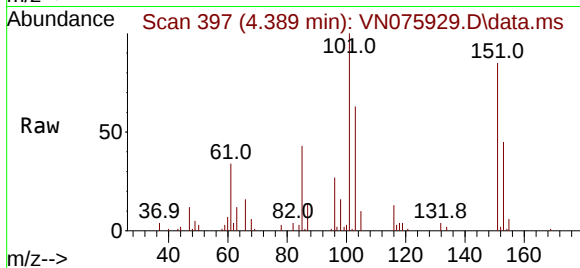
#9
1,1,2-Trichlorotrifluoroethane
Concen: 19.306 ug/l
RT: 4.389 min Scan# 396
Delta R.T. 0.006 min
Lab File: VN075929.D
Acq: 21 Dec 2022 19:05

Instrument :
MSVOA_N
Client Sample Id :
VN1221MBSD01

Tgt Ion:101 Resp: 55940
Ion Ratio Lower Upper
101 100
85 43.8 35.3 52.9
151 79.3 65.6 98.4

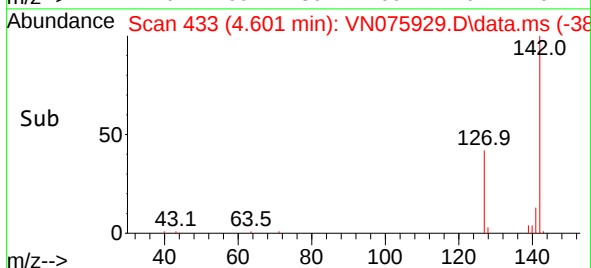
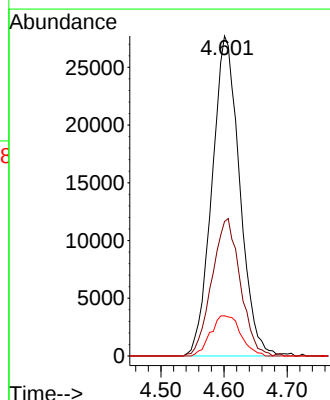
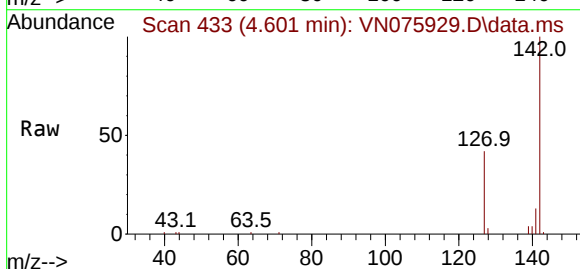
Manual Integrations
APPROVED

Reviewed By :John Carlone 12/22/2022
Supervised By :Mahesh Dadoda 12/22/2022



#10
Methyl Iodide
Concen: 17.895 ug/l
RT: 4.601 min Scan# 433
Delta R.T. 0.000 min
Lab File: VN075929.D
Acq: 21 Dec 2022 19:05

Tgt Ion:142 Resp: 84150
Ion Ratio Lower Upper
142 100
127 44.1 34.7 52.1
141 13.7 11.4 17.2





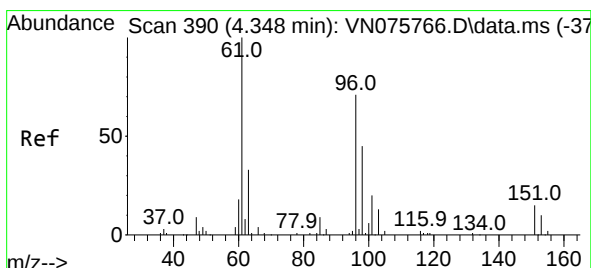
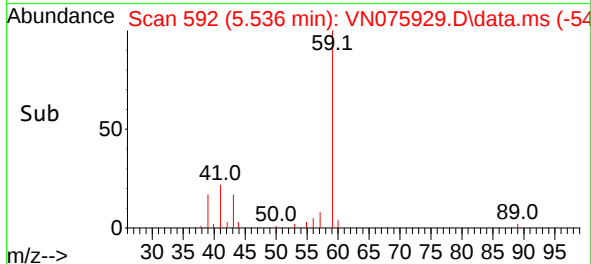
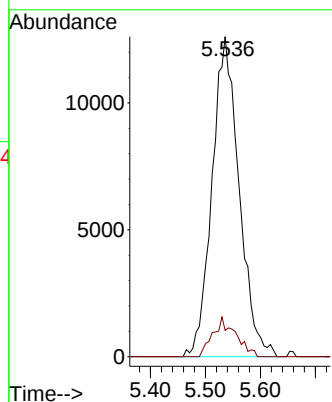
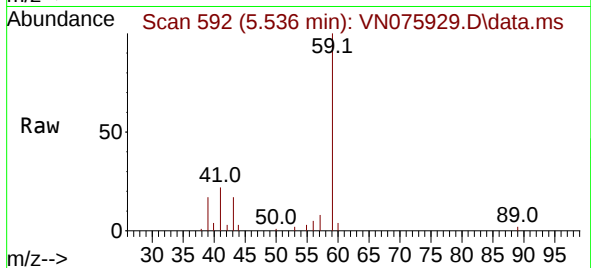
#11
Tert butyl alcohol
Concen: 88.207 ug/l
RT: 5.536 min Scan# 592
Delta R.T. 0.000 min
Lab File: VN075929.D
Acq: 21 Dec 2022 19:05

Instrument :
MSVOA_N
ClientSampleId :
VN1221MBSD01

Tgt Ion: 59 Resp: 4311
Ion Ratio Lower Upper
59 100
57 10.4 8.2 12.4

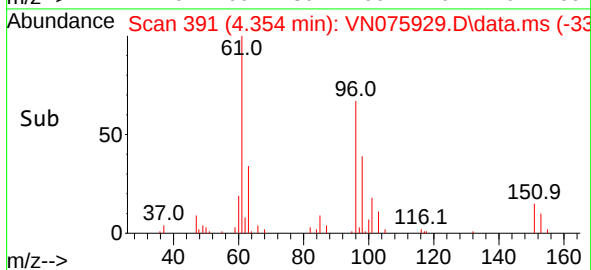
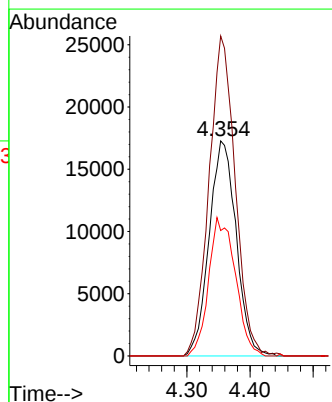
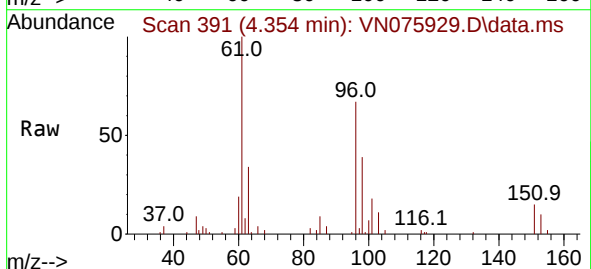
Manual Integrations
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Supervised By :Mahesh Dadoda 12/22/2022



#12
1,1-Dichloroethene
Concen: 18.279 ug/l
RT: 4.354 min Scan# 391
Delta R.T. 0.006 min
Lab File: VN075929.D
Acq: 21 Dec 2022 19:05

Tgt Ion: 96 Resp: 51442
Ion Ratio Lower Upper
96 100
61 148.8 113.3 169.9
98 58.4 50.9 76.3





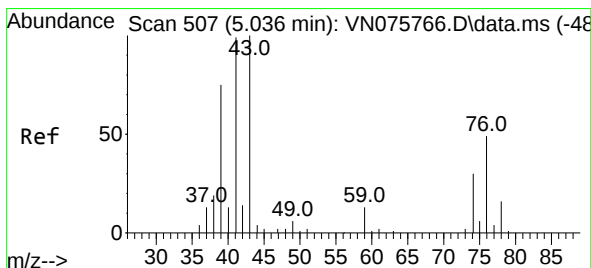
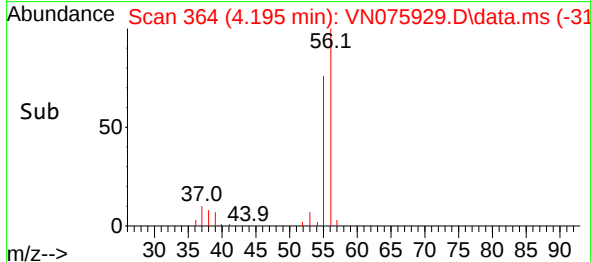
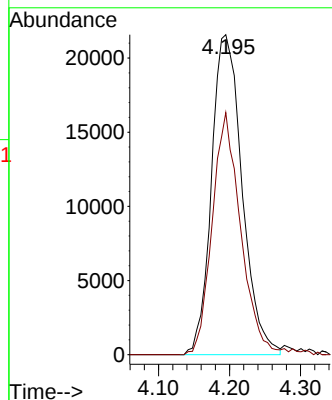
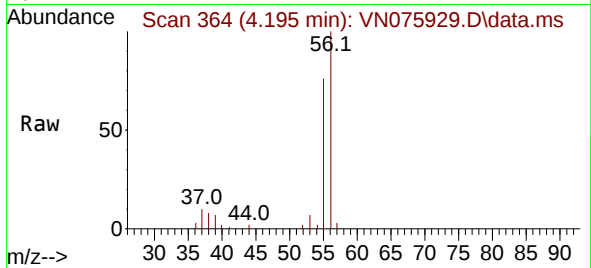
#13
Acrolein
Concen: 107.724 ug/l
RT: 4.195 min Scan# 30
Delta R.T. 0.006 min
Lab File: VN075929.D
Acq: 21 Dec 2022 19:05

Instrument :
MSVOA_N
ClientSampleId :
VN1221MBSD01

Tgt Ion: 56 Resp: 6455
Ion Ratio Lower Upper
56 100
55 71.2 54.8 82.2

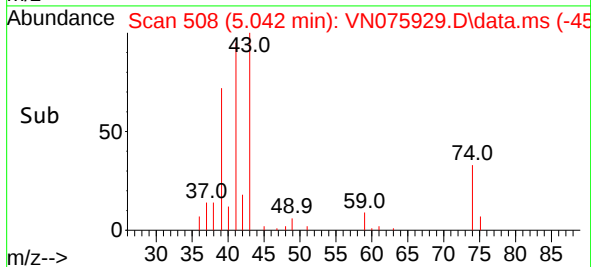
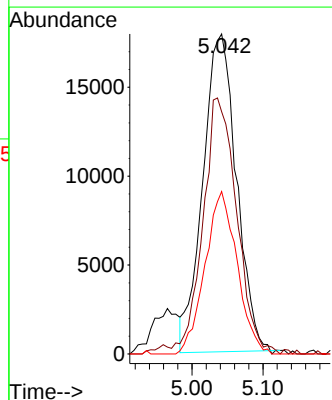
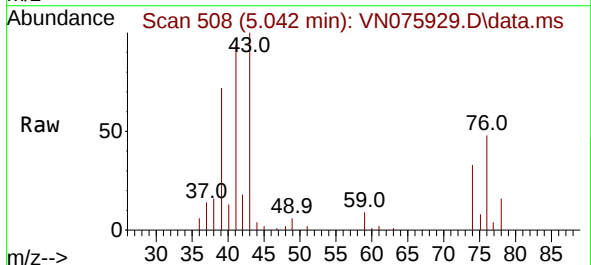
Manual Integrations
APPROVED

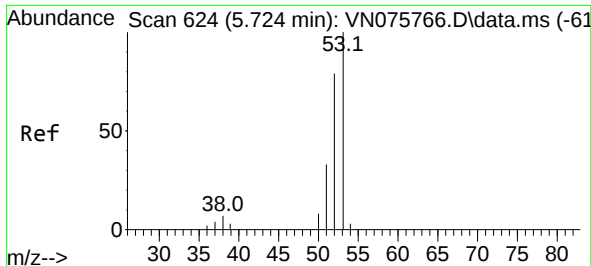
Reviewed By :John Carlone 12/22/2022
Supervised By :Mahesh Dadoda 12/22/2022



#14
Allyl chloride
Concen: 17.871 ug/l
RT: 5.042 min Scan# 508
Delta R.T. 0.006 min
Lab File: VN075929.D
Acq: 21 Dec 2022 19:05

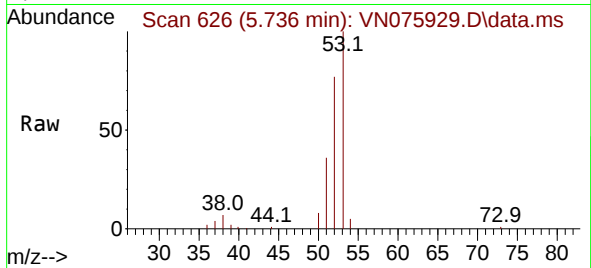
Tgt Ion: 41 Resp: 58792
Ion Ratio Lower Upper
41 100
39 80.6 58.3 87.5
76 48.8 35.8 53.6





#15
Acrylonitrile
Concen: 96.710 ug/l
RT: 5.736 min Scan# 61
Delta R.T. 0.012 min
Lab File: VN075929.D
Acq: 21 Dec 2022 19:05

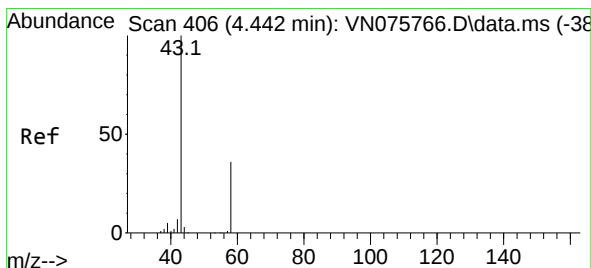
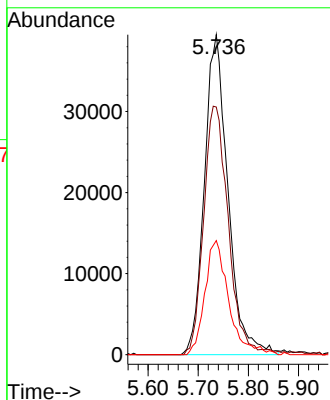
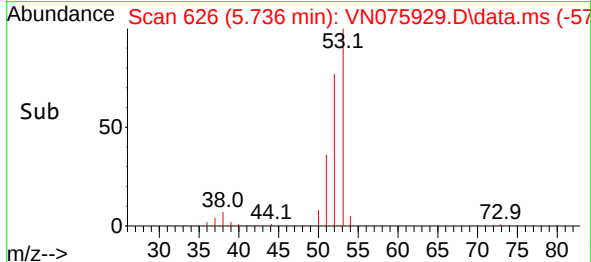
Instrument :
MSVOA_N
ClientSampleId :
VN1221MBSD01



Tgt Ion: 53 Resp: 12900
Ion Ratio Lower Upper
53 100
52 80.4 65.4 98.0
51 36.1 28.9 43.3

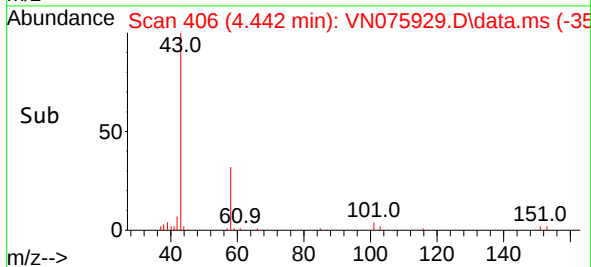
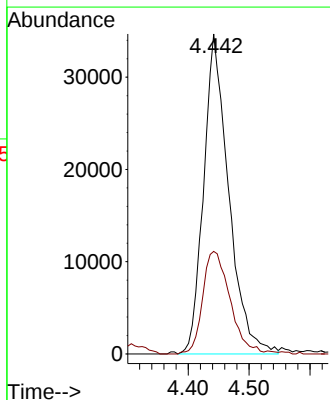
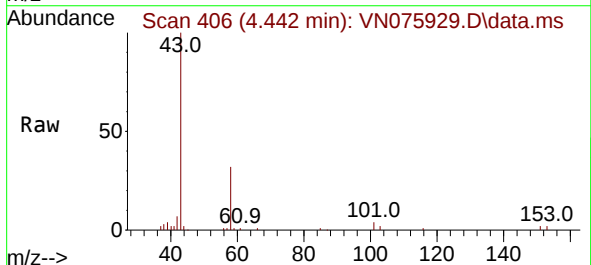
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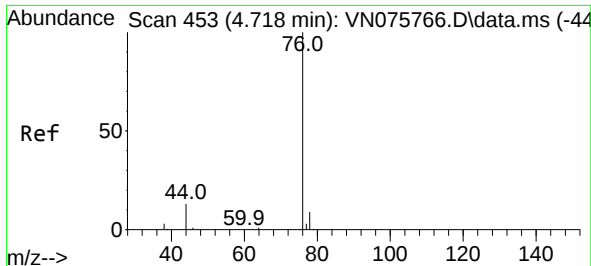
Reviewed By :John Carlone 12/22/2022
Supervised By :Mahesh Dadoda 12/22/2022



#16
Acetone
Concen: 83.218 ug/l
RT: 4.442 min Scan# 406
Delta R.T. 0.000 min
Lab File: VN075929.D
Acq: 21 Dec 2022 19:05

Tgt Ion: 43 Resp: 99096
Ion Ratio Lower Upper
43 100
58 32.0 28.6 43.0





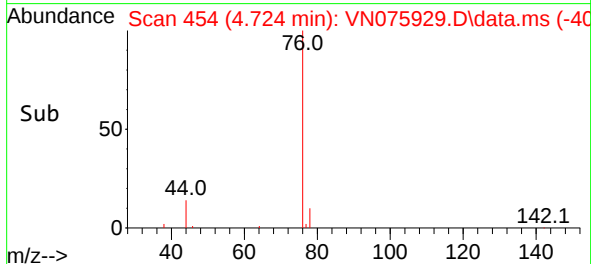
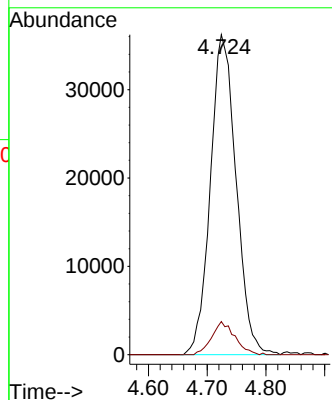
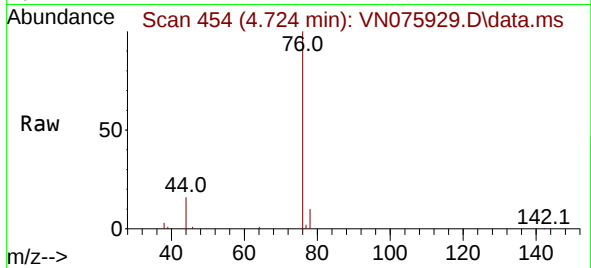
#17
Carbon Disulfide
Concen: 16.201 ug/l
RT: 4.724 min Scan# 454
Delta R.T. 0.006 min
Lab File: VN075929.D
Acq: 21 Dec 2022 19:05

Instrument :
MSVOA_N
ClientSampleId :
VN1221MBSD01

Tgt Ion: 76 Resp: 11038
Ion Ratio Lower Upper
76 100
78 10.3 6.8 10.2

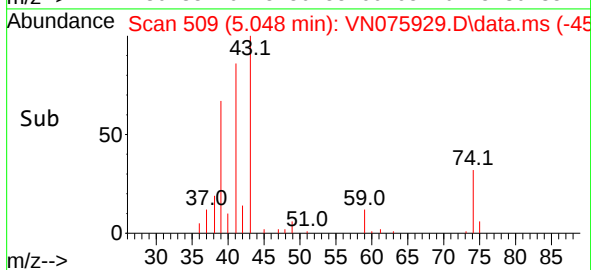
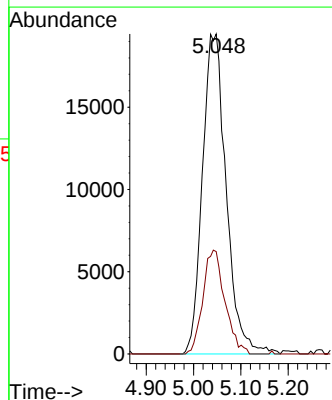
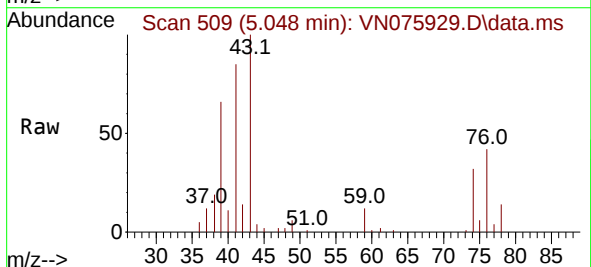
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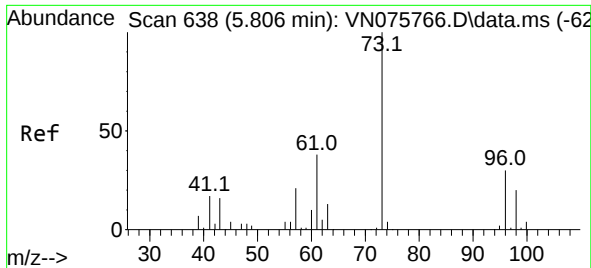
Reviewed By :John Carlone 12/22/2022
Supervised By :Mahesh Dadoda 12/22/2022



#18
Methyl Acetate
Concen: 19.270 ug/l
RT: 5.048 min Scan# 509
Delta R.T. 0.012 min
Lab File: VN075929.D
Acq: 21 Dec 2022 19:05

Tgt Ion: 43 Resp: 67830
Ion Ratio Lower Upper
43 100
74 29.9 23.6 35.4





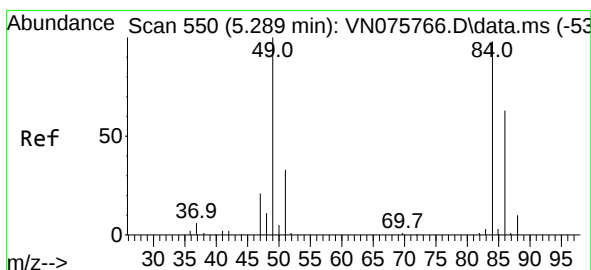
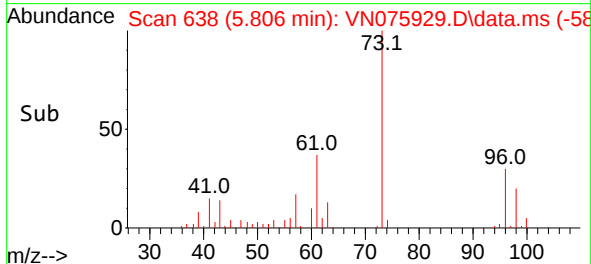
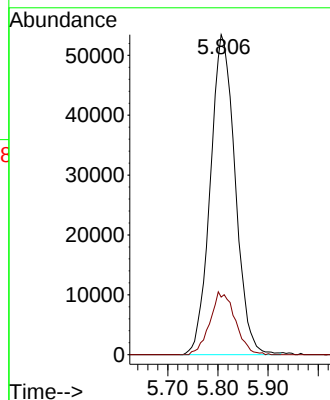
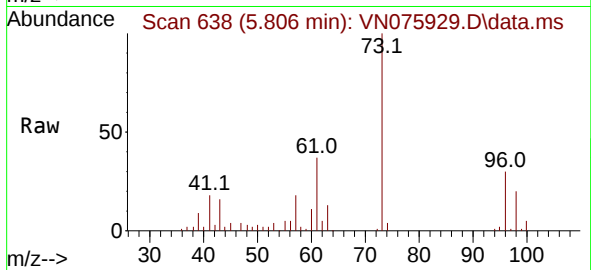
#19
Methyl tert-butyl Ether
Concen: 19.881 ug/l
RT: 5.806 min Scan# 61
Delta R.T. 0.000 min
Lab File: VN075929.D
Acq: 21 Dec 2022 19:05

Instrument :
MSVOA_N
ClientSampleId :
VN1221MBSD01

Tgt Ion: 73 Resp: 184240
Ion Ratio Lower Upper
73 100
57 18.0 17.1 25.7

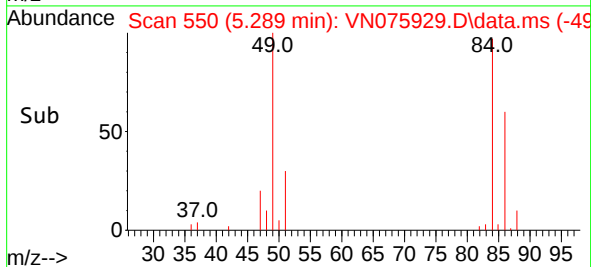
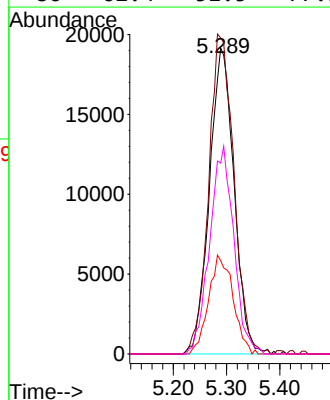
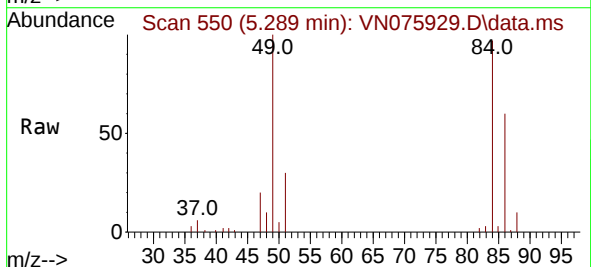
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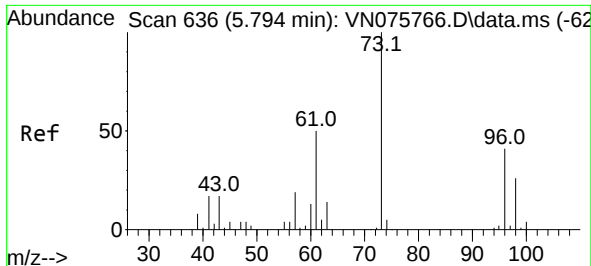
Reviewed By :John Carlone 12/22/2022
Supervised By :Mahesh Dadoda 12/22/2022



#20
Methylene Chloride
Concen: 18.941 ug/l
RT: 5.289 min Scan# 550
Delta R.T. -0.000 min
Lab File: VN075929.D
Acq: 21 Dec 2022 19:05

Tgt Ion: 84 Resp: 61604
Ion Ratio Lower Upper
84 100
49 103.3 81.8 122.6
51 30.5 26.7 40.1
86 62.4 51.5 77.3





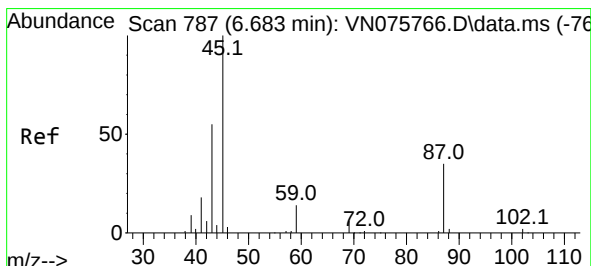
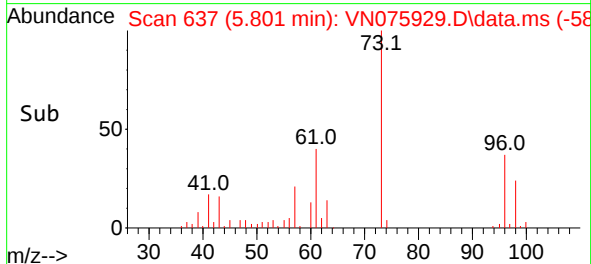
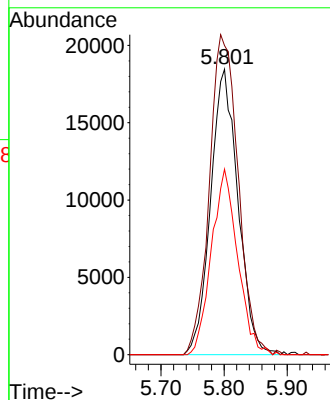
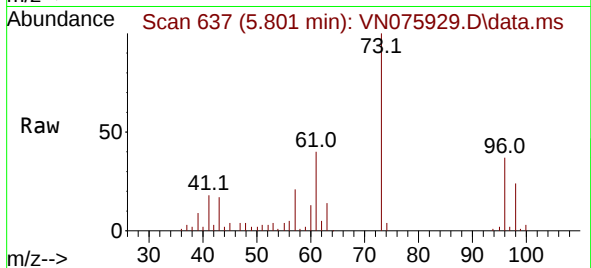
#21
trans-1,2-Dichloroethene
Concen: 18.039 ug/l
RT: 5.801 min Scan# 61
Delta R.T. 0.006 min
Lab File: VN075929.D
Acq: 21 Dec 2022 19:05

Instrument :
MSVOA_N
ClientSampleId :
VN1221MBSD01

Tgt Ion: 96 Resp: 5559
Ion Ratio Lower Upper
96 100
61 108.3 98.1 147.1
98 64.9 51.4 77.2

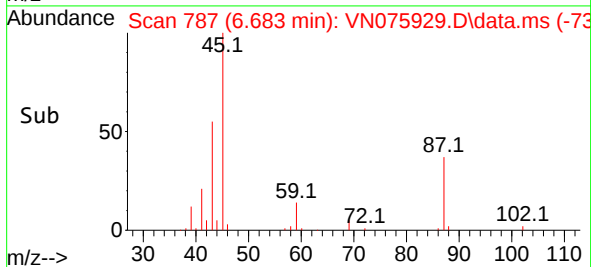
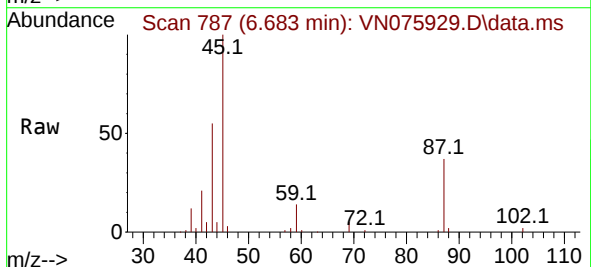
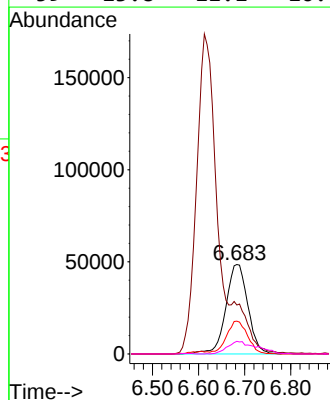
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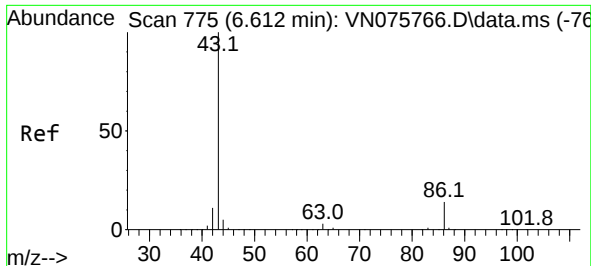
Reviewed By :John Carlone 12/22/2022
Supervised By :Mahesh Dadoda 12/22/2022



#22
Diisopropyl ether
Concen: 20.126 ug/l
RT: 6.683 min Scan# 787
Delta R.T. 0.000 min
Lab File: VN075929.D
Acq: 21 Dec 2022 19:05

Tgt Ion: 45 Resp: 160842
Ion Ratio Lower Upper
45 100
43 53.3 44.2 66.4
87 36.7 28.3 42.5
59 13.8 11.1 16.7





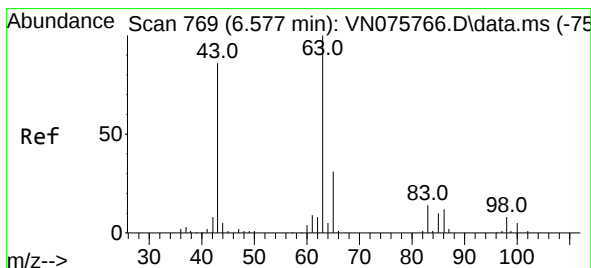
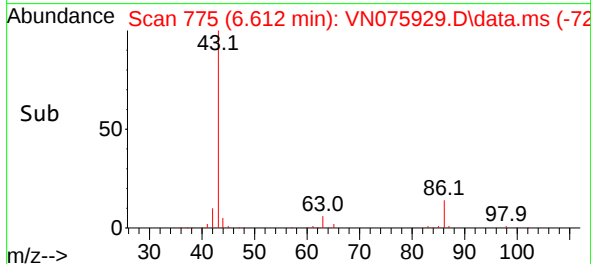
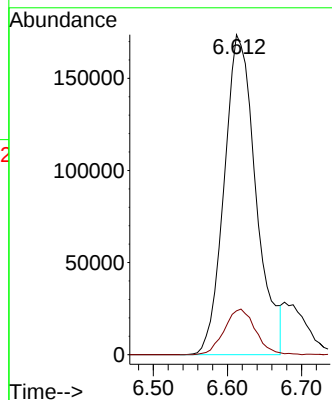
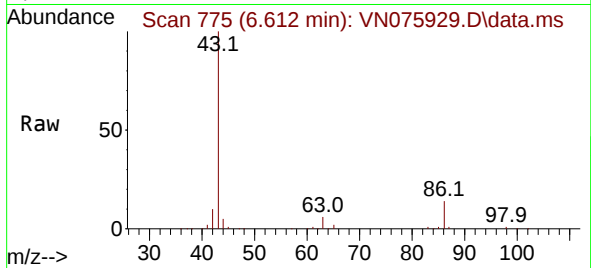
#23
 Vinyl Acetate
 Concen: 96.233 ug/l
 RT: 6.612 min Scan# 71
 Delta R.T. 0.000 min
 Lab File: VN075929.D
 Acq: 21 Dec 2022 19:05

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1221MBSD01

Tgt Ion: 43 Resp: 51764
 Ion Ratio Lower Upper
 43 100
 86 13.7 11.4 17.2

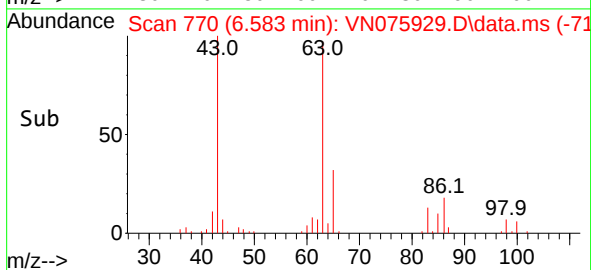
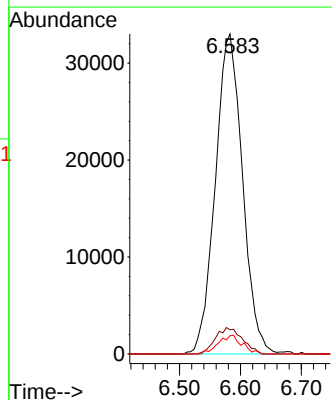
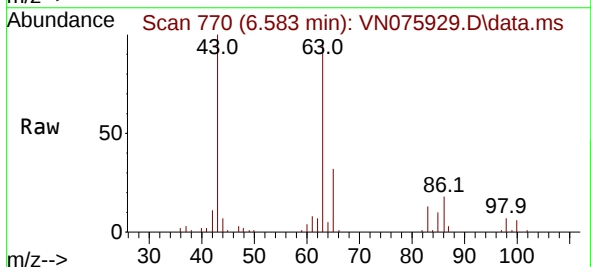
Manual Integrations
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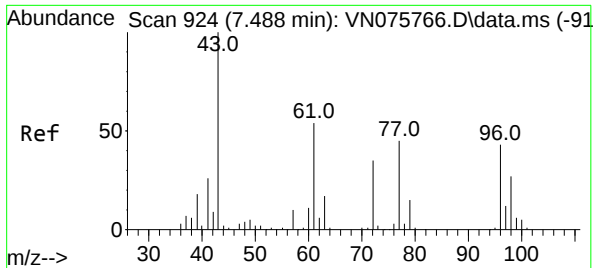
Reviewed By :John Carlone 12/22/2022
 Supervised By :Mahesh Dadoda 12/22/2022



#24
 1,1-Dichloroethane
 Concen: 19.199 ug/l
 RT: 6.583 min Scan# 770
 Delta R.T. 0.006 min
 Lab File: VN075929.D
 Acq: 21 Dec 2022 19:05

Tgt Ion: 63 Resp: 102327
 Ion Ratio Lower Upper
 63 100
 98 7.6 3.9 11.5
 100 5.7 2.5 7.6





#25

2-Butanone

Concen: 94.436 ug/l

RT: 7.495 min Scan# 91

Delta R.T. 0.006 min

Lab File: VN075929.D

Acq: 21 Dec 2022 19:05

Instrument :

MSVOA_N

ClientSampleId :

VN1221MBSD01

Tgt Ion: 43 Resp: 15745

Ion Ratio Lower Upper

43 100

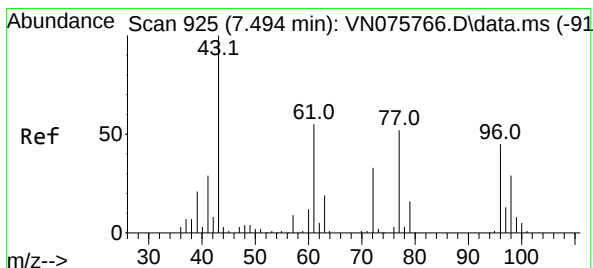
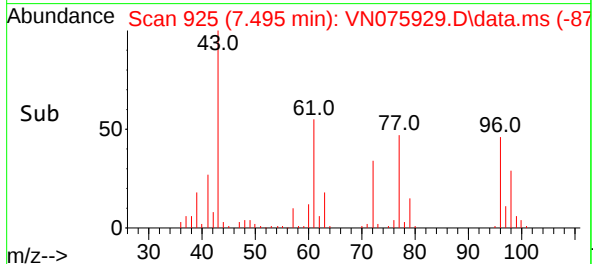
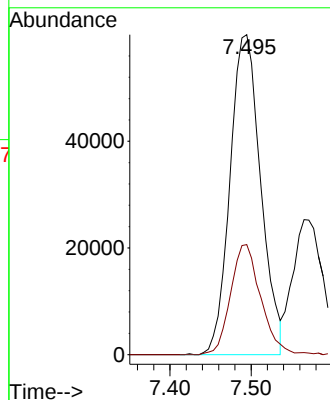
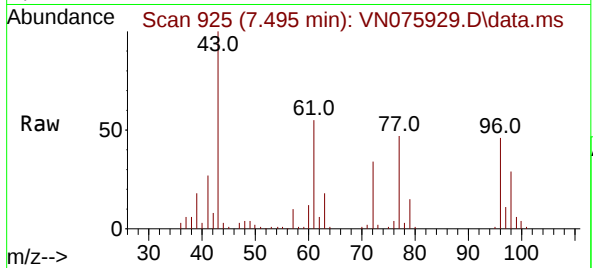
72 34.4 28.0 42.0

Manual Integrations

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Reviewed By :John Carlone 12/22/2022

Supervised By :Mahesh Dadoda 12/22/2022



#26

2,2-Dichloropropane

Concen: 17.810 ug/l

RT: 7.495 min Scan# 925

Delta R.T. 0.000 min

Lab File: VN075929.D

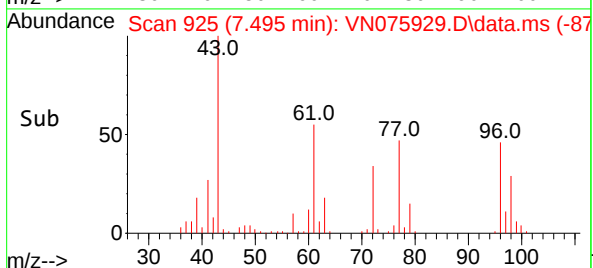
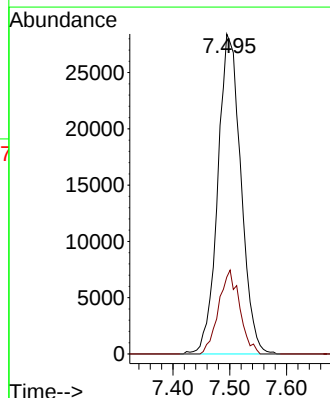
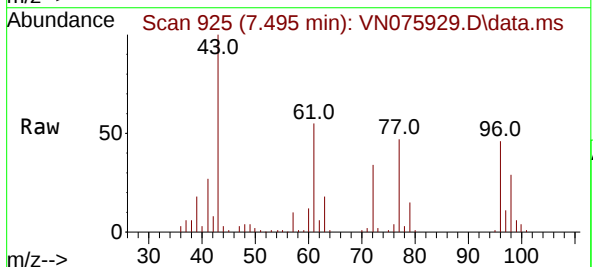
Acq: 21 Dec 2022 19:05

Tgt Ion: 77 Resp: 80388

Ion Ratio Lower Upper

77 100

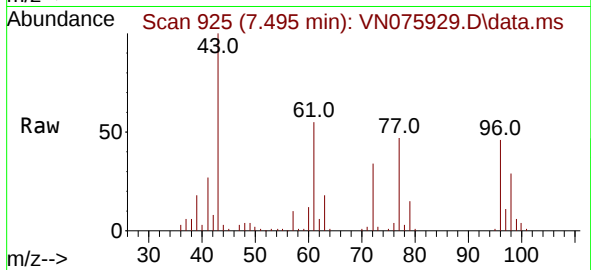
97 23.9 12.7 38.0





#27
 cis-1,2-Dichloroethene
 Concen: 19.007 ug/l
 RT: 7.495 min Scan# 91
 Delta R.T. 0.000 min
 Lab File: VN075929.D
 Acq: 21 Dec 2022 19:05

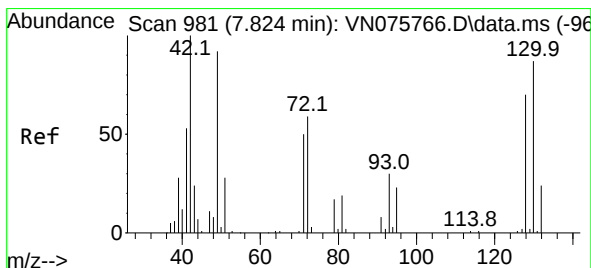
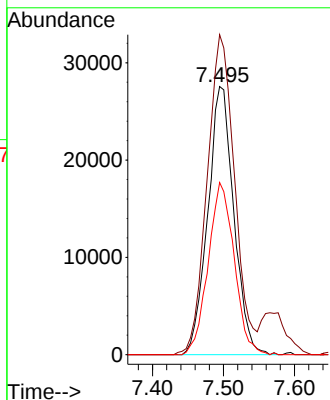
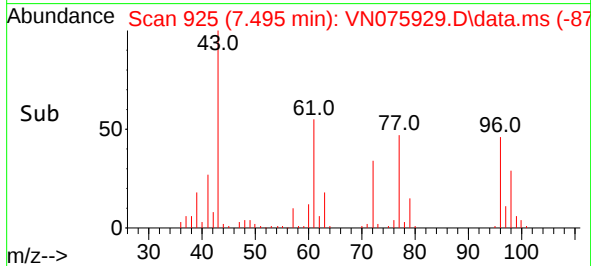
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1221MBSD01



Tgt Ion: 96 Resp: 70060
 Ion Ratio Lower Upper
 96 100
 61 126.0 0.0 247.8
 98 64.4 0.0 128.4

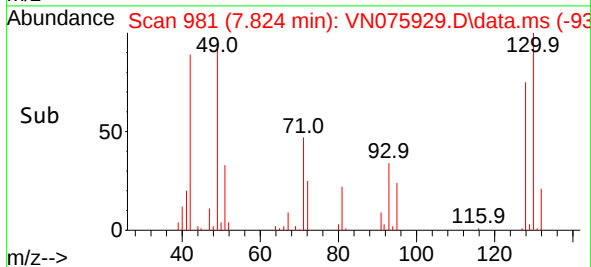
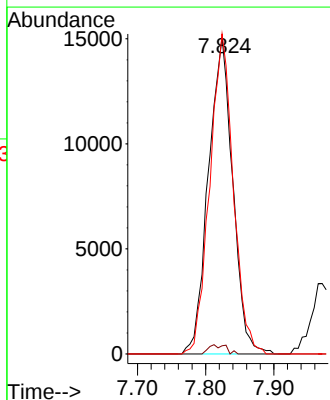
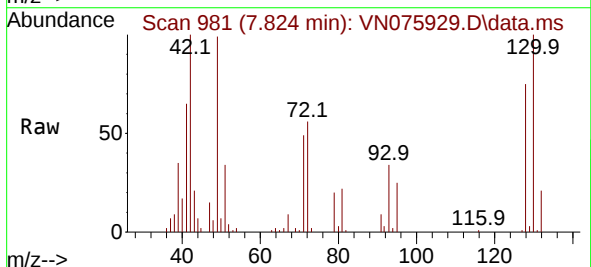
Manual Integrations
 APPROVED

Reviewed By :John Carlone 12/22/2022
 Supervised By :Mahesh Dadoda 12/22/2022



#28
 Bromochloromethane
 Concen: 15.979 ug/l
 RT: 7.824 min Scan# 981
 Delta R.T. 0.000 min
 Lab File: VN075929.D
 Acq: 21 Dec 2022 19:05

Tgt Ion: 49 Resp: 37328
 Ion Ratio Lower Upper
 49 100
 129 2.1 0.0 5.0
 130 97.8 77.0 115.4





#29

Tetrahydrofuran

Concen: 99.961 ug/l

RT: 7.847 min Scan# 91

Delta R.T. 0.006 min

Lab File: VN075929.D

Acq: 21 Dec 2022 19:05

Instrument :

MSVOA_N

ClientSampleId :

VN1221MBS01

Tgt Ion: 42 Resp: 10444

Ion Ratio Lower Upper

42 100

72 56.1 44.5 66.7

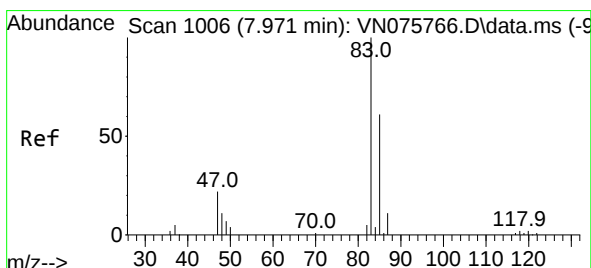
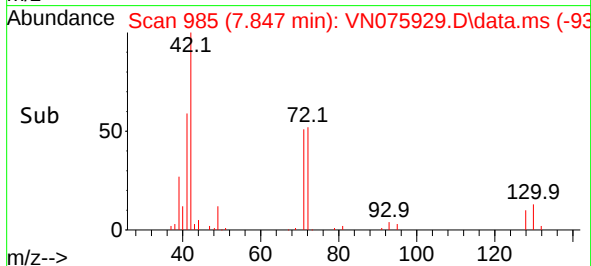
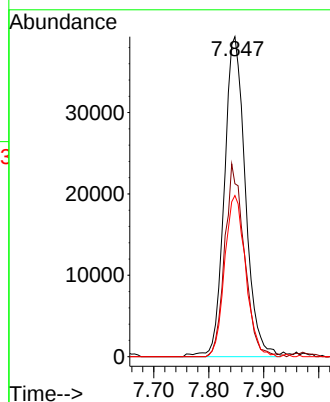
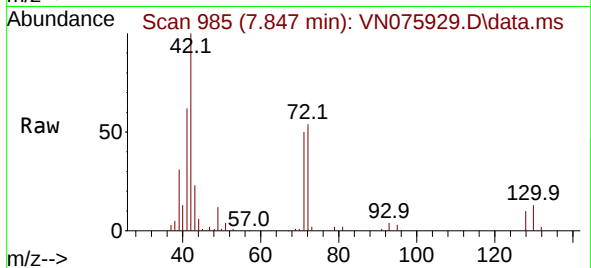
71 50.3 41.0 61.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/22/2022

Supervised By :Mahesh Dadoda 12/22/2022



#30

Chloroform

Concen: 19.032 ug/l

RT: 7.971 min Scan# 1006

Delta R.T. 0.000 min

Lab File: VN075929.D

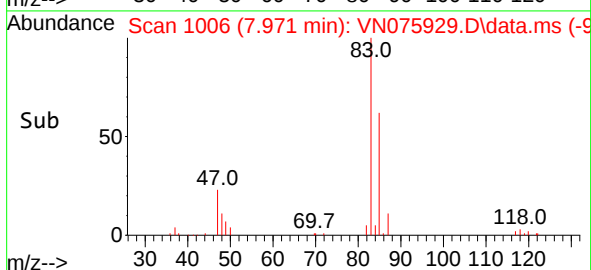
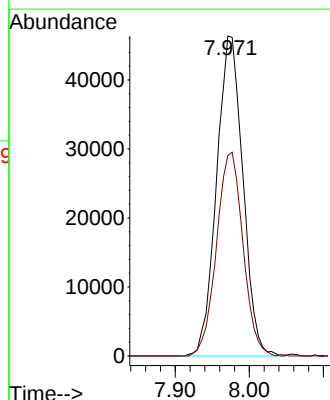
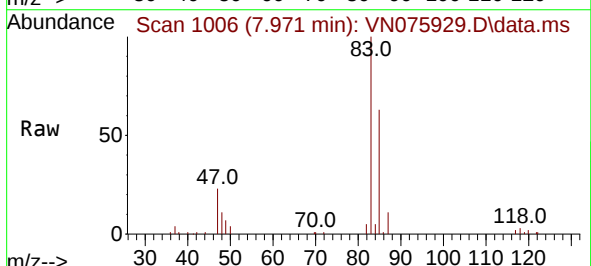
Acq: 21 Dec 2022 19:05

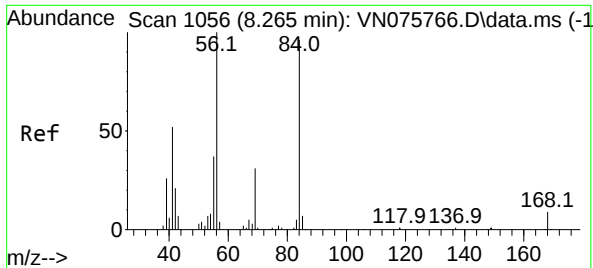
Tgt Ion: 83 Resp: 114207

Ion Ratio Lower Upper

83 100

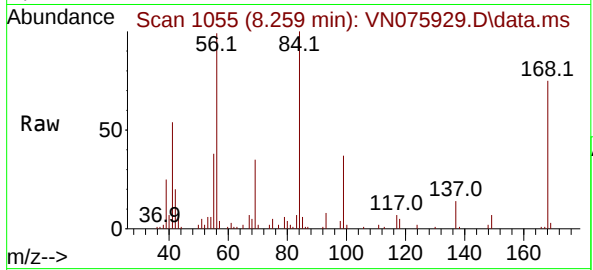
85 62.7 49.1 73.7





#31
Cyclohexane
Concen: 18.403 ug/l
RT: 8.259 min Scan# 1055
Delta R.T. -0.006 min
Lab File: VN075929.D
Acq: 21 Dec 2022 19:05

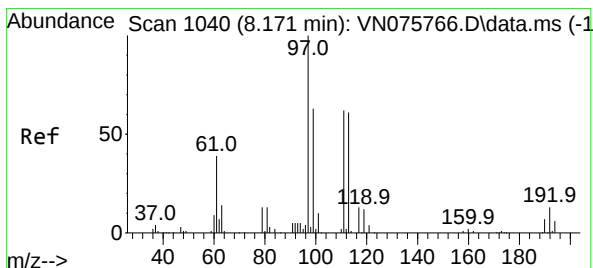
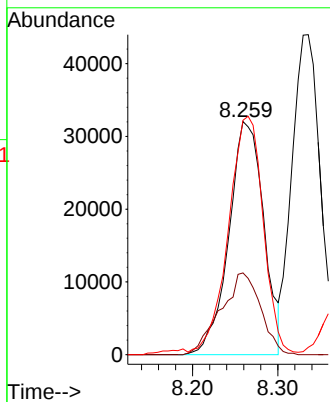
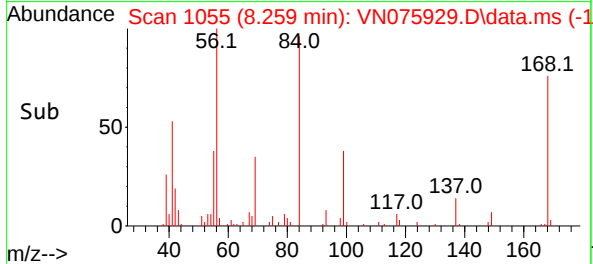
Instrument :
MSVOA_N
ClientSampleId :
VN1221MBSD01



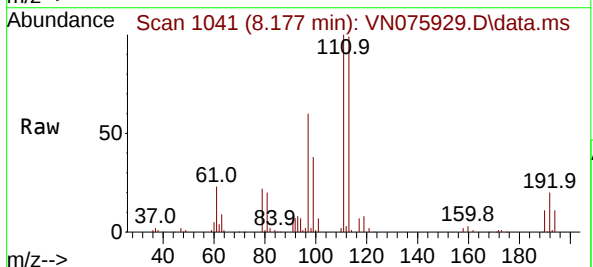
Tgt Ion: 56 Resp: 91045
Ion Ratio Lower Upper
56 100
69 35.0 24.7 37.1
84 98.8 76.5 114.7

Manual Integrations
APPROVED

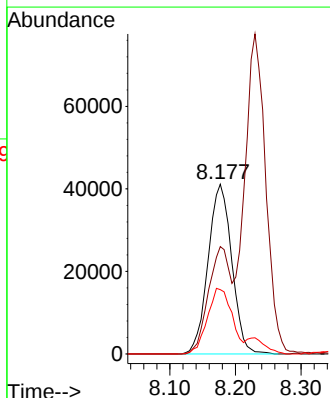
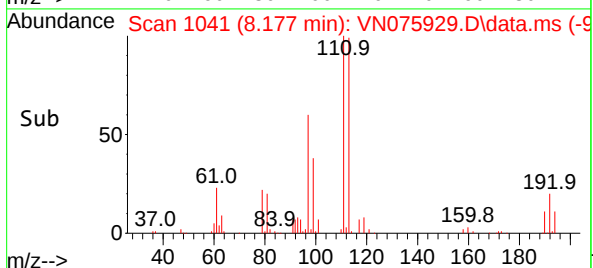
Reviewed By :John Carlone 12/22/2022
Supervised By :Mahesh Dadoda 12/22/2022



#32
1,1,1-Trichloroethane
Concen: 19.395 ug/l
RT: 8.177 min Scan# 1041
Delta R.T. 0.006 min
Lab File: VN075929.D
Acq: 21 Dec 2022 19:05



Tgt Ion: 97 Resp: 103183
Ion Ratio Lower Upper
97 100
99 57.8 50.2 75.2
61 40.3 34.5 51.7





#33

1,2-Dichloroethane-d4

Concen: 52.510 ug/l

RT: 8.583 min Scan# 1110

Delta R.T. 0.000 min

Lab File: VN075929.D

Acq: 21 Dec 2022 19:05

Instrument :

MSVOA_N

ClientSampleId :

VN1221MBSD01

Tgt Ion: 65 Resp: 18139

Ion Ratio Lower Upper

65 100

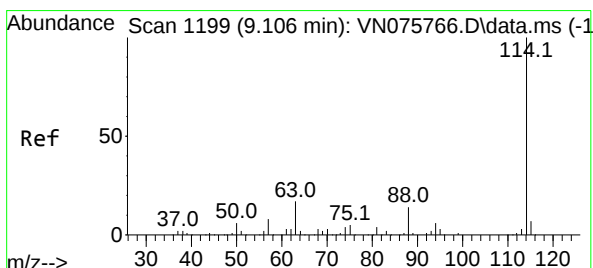
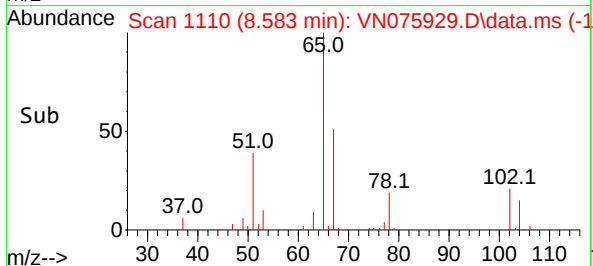
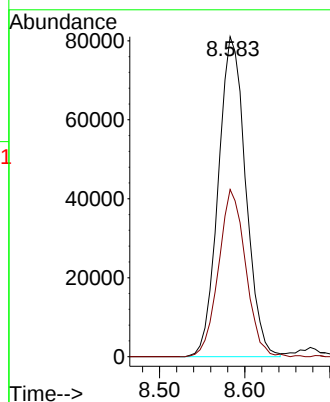
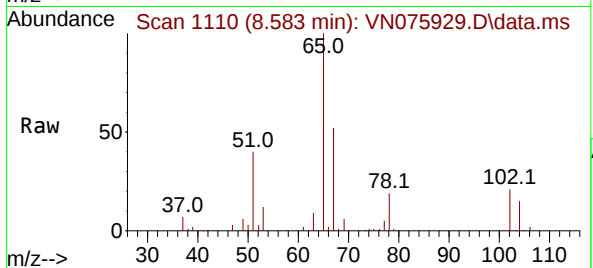
67 51.6 0.0 103.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/22/2022

Supervised By :Mahesh Dadoda 12/22/2022



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1199

Delta R.T. 0.000 min

Lab File: VN075929.D

Acq: 21 Dec 2022 19:05

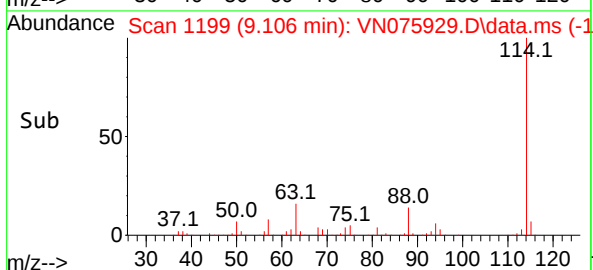
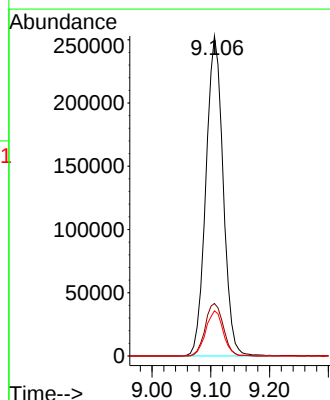
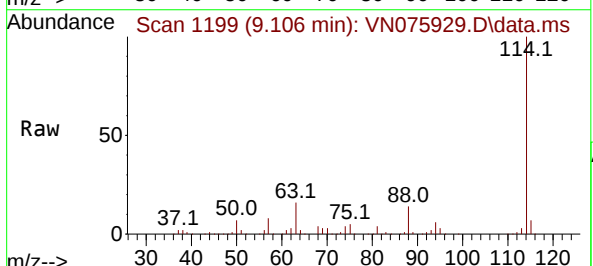
Tgt Ion:114 Resp: 514405

Ion Ratio Lower Upper

114 100

63 16.4 0.0 34.4

88 14.1 0.0 28.8





#35

Dibromofluoromethane

Concen: 51.205 ug/l

RT: 8.177 min Scan# 1040

Delta R.T. 0.006 min

Lab File: VN075929.D

Acq: 21 Dec 2022 19:05

Instrument :

MSVOA_N

ClientSampleId :

VN1221MBSD01

Tgt Ion:113 Resp: 16312

Ion Ratio Lower Upper

113 100

111 102.7 83.4 125.2

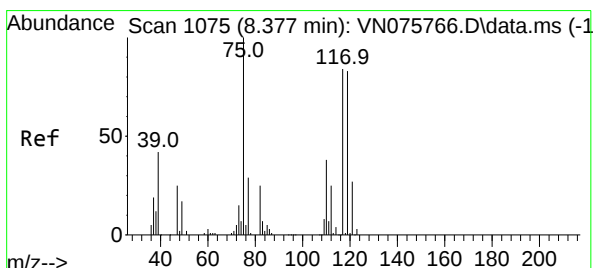
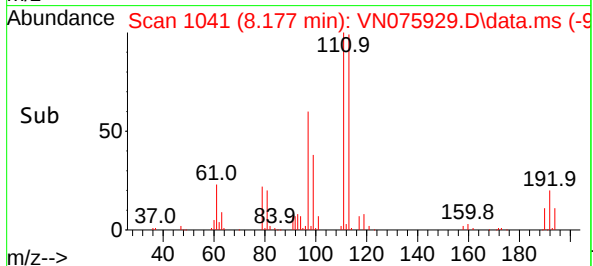
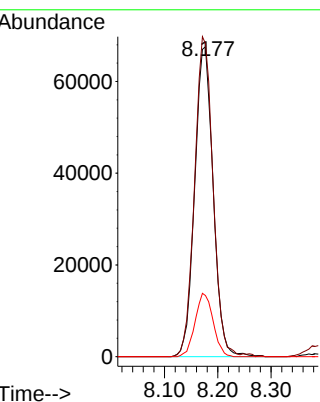
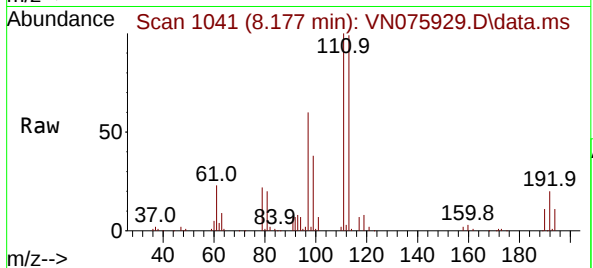
192 19.9 16.1 24.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/22/2022

Supervised By :Mahesh Dadoda 12/22/2022



#36

1,1-Dichloropropene

Concen: 18.375 ug/l

RT: 8.377 min Scan# 1075

Delta R.T. 0.000 min

Lab File: VN075929.D

Acq: 21 Dec 2022 19:05

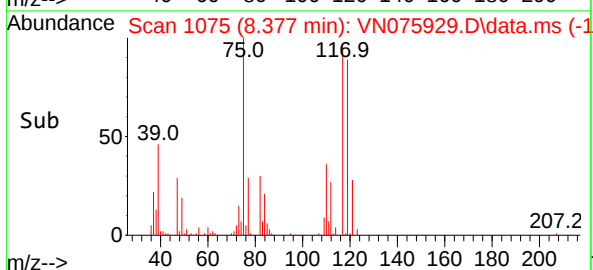
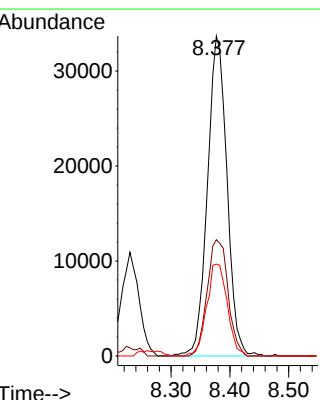
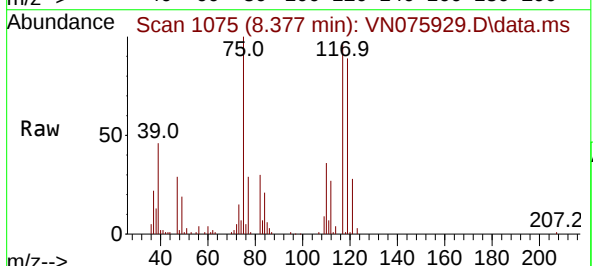
Tgt Ion: 75 Resp: 77758

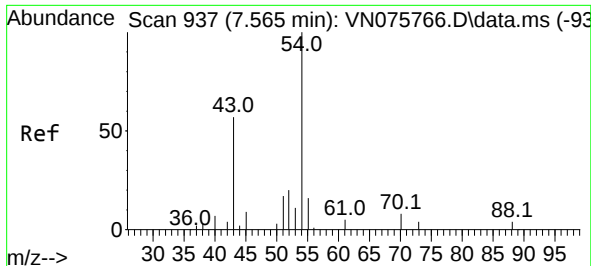
Ion Ratio Lower Upper

75 100

110 38.7 18.8 56.4

77 30.1 24.1 36.1





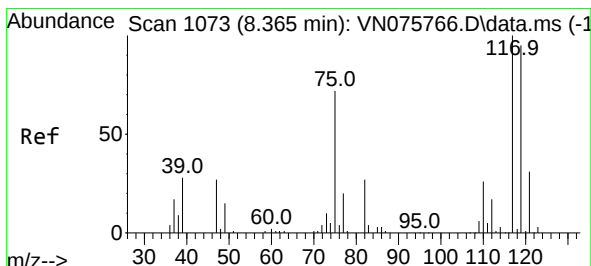
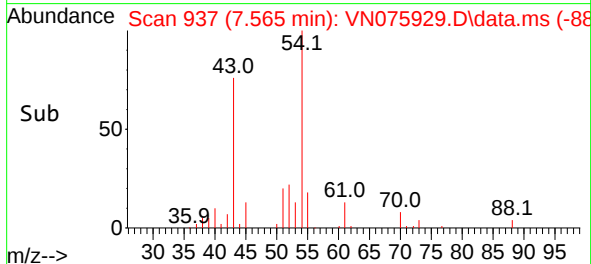
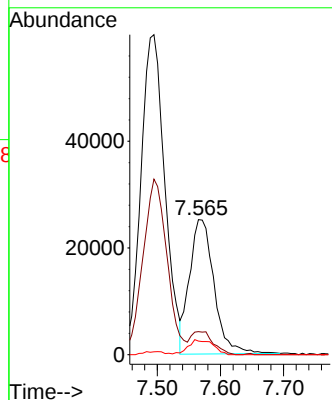
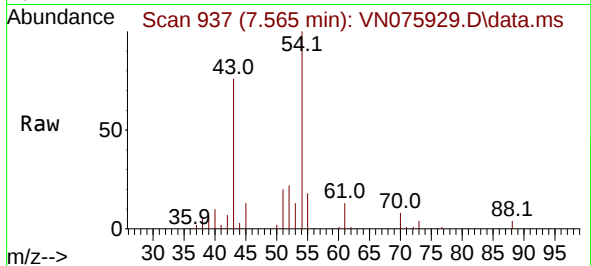
#37
Ethyl Acetate
Concen: 20.043 ug/l
RT: 7.565 min Scan# 91
Delta R.T. 0.000 min
Lab File: VN075929.D
Acq: 21 Dec 2022 19:05

Instrument :
MSVOA_N
ClientSampleId :
VN1221MBSD01

Tgt Ion: 43 Resp: 6813
Ion Ratio Lower Upper
43 100
61 15.4 13.0 19.4
70 11.2 9.4 14.0

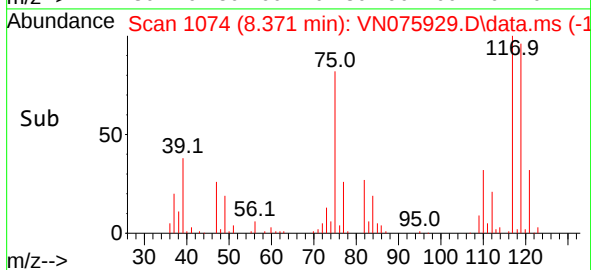
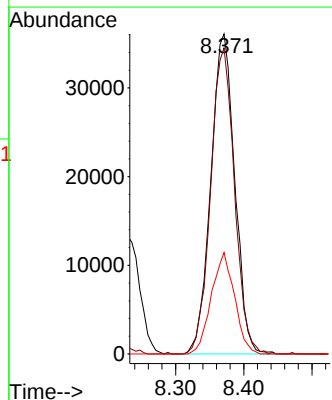
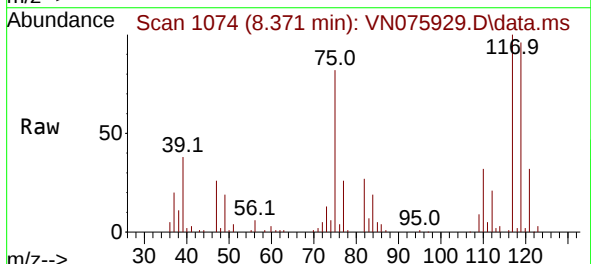
Manual Integrations
APPROVED

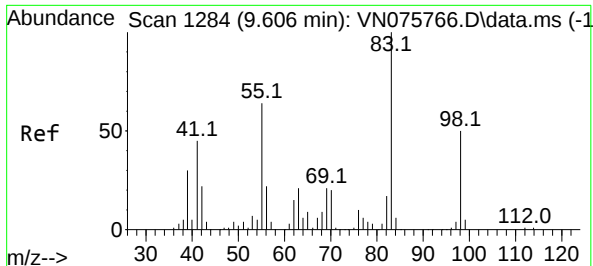
Reviewed By :John Carlone 12/22/2022
Supervised By :Mahesh Dadoda 12/22/2022



#38
Carbon Tetrachloride
Concen: 18.642 ug/l
RT: 8.371 min Scan# 1074
Delta R.T. 0.006 min
Lab File: VN075929.D
Acq: 21 Dec 2022 19:05

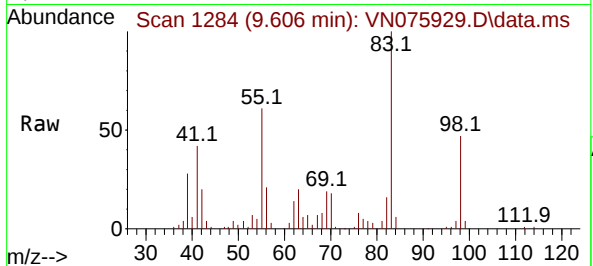
Tgt Ion:117 Resp: 88294
Ion Ratio Lower Upper
117 100
119 95.7 76.1 114.1
121 31.7 24.5 36.7





#39
Methylcyclohexane
Concen: 19.290 ug/l
RT: 9.606 min Scan# 1115
Delta R.T. 0.000 min
Lab File: VN075929.D
Acq: 21 Dec 2022 19:05

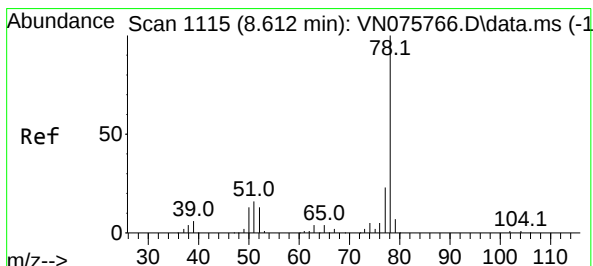
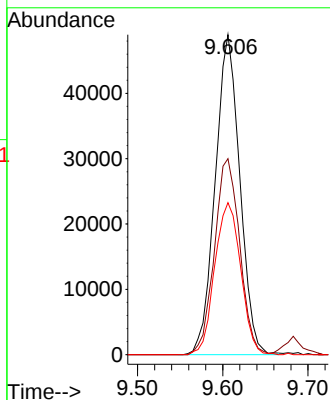
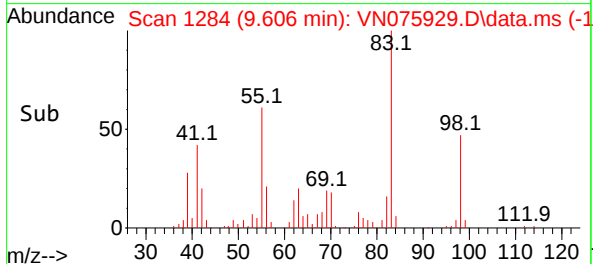
Instrument :
MSVOA_N
ClientSampleId :
VN1221MBSD01



Tgt Ion: 83 Resp: 98484
Ion Ratio Lower Upper
83 100
55 61.2 51.4 77.0
98 47.5 39.8 59.8

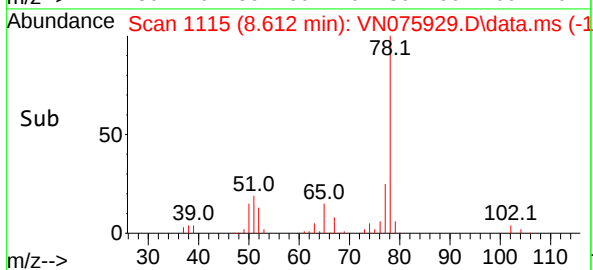
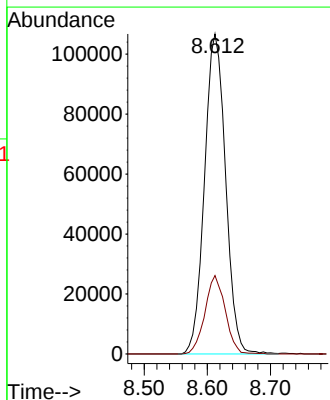
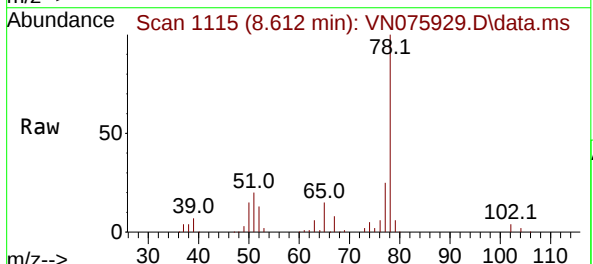
Manual Integrations
APPROVED

Reviewed By :John Carlone 12/22/2022
Supervised By :Mahesh Dadoda 12/22/2022



#40
Benzene
Concen: 18.957 ug/l
RT: 8.612 min Scan# 1115
Delta R.T. 0.000 min
Lab File: VN075929.D
Acq: 21 Dec 2022 19:05

Tgt Ion: 78 Resp: 247519
Ion Ratio Lower Upper
78 100
77 24.5 18.5 27.7





#41
Methacrylonitrile
Concen: 19.393 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.006 min
Lab File: VN075929.D
Acq: 21 Dec 2022 19:05

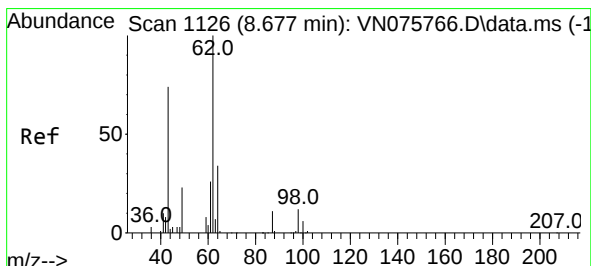
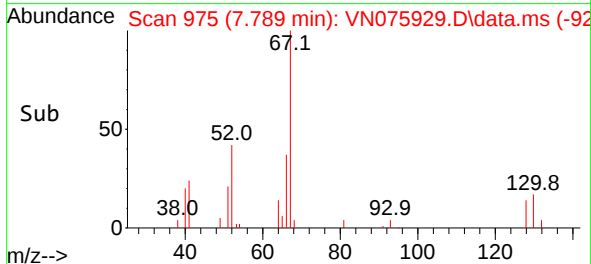
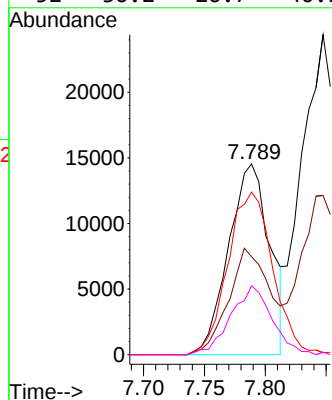
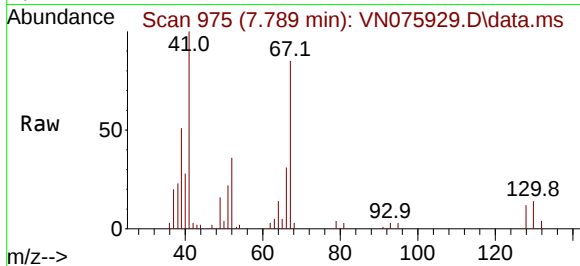
Instrument :
MSVOA_N
ClientSampleId :
VN1221MBSD01

Tgt Ion: 41 Resp: 34264

Ion	Ratio	Lower	Upper
41	100		
39	55.1	43.1	64.7
67	93.3	70.7	106.1
52	36.2	26.7	40.1

Manual Integrations
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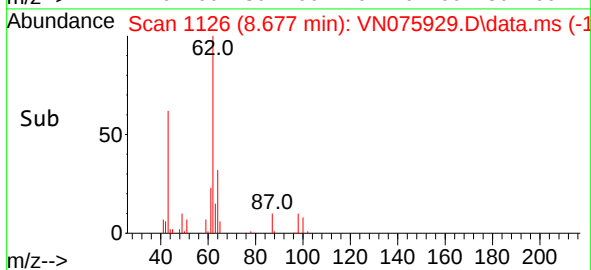
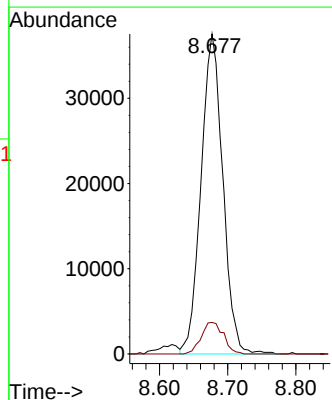
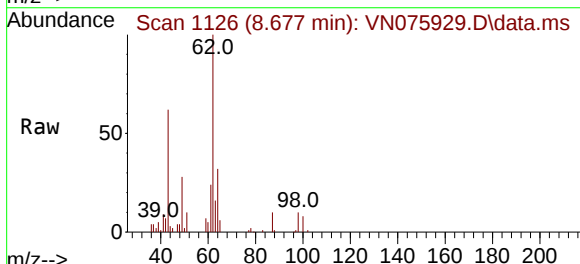
Reviewed By :John Carlone 12/22/2022
Supervised By :Mahesh Dadoda 12/22/2022

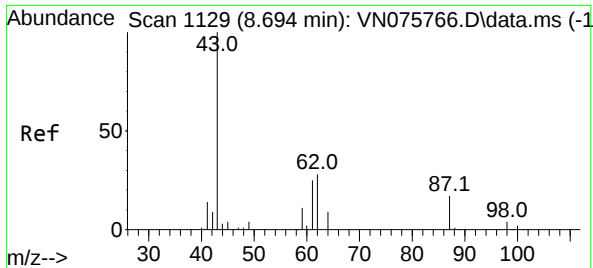


#42
1,2-Dichloroethane
Concen: 19.217 ug/l
RT: 8.677 min Scan# 1126
Delta R.T. 0.000 min
Lab File: VN075929.D
Acq: 21 Dec 2022 19:05

Tgt Ion: 62 Resp: 83414

Ion	Ratio	Lower	Upper
62	100		
98	10.1	0.0	20.8





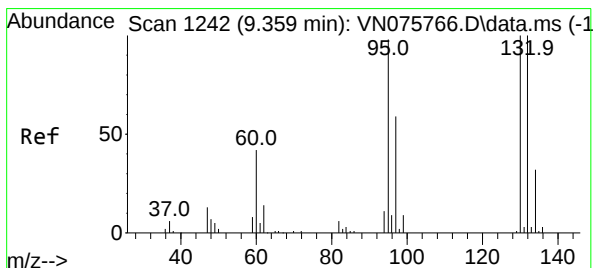
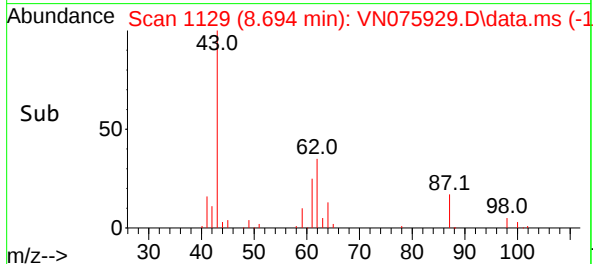
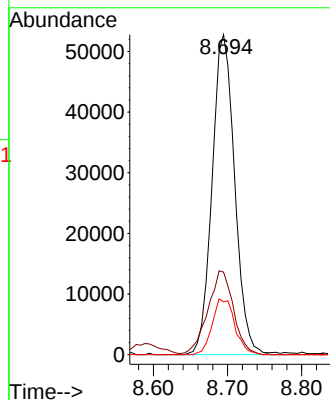
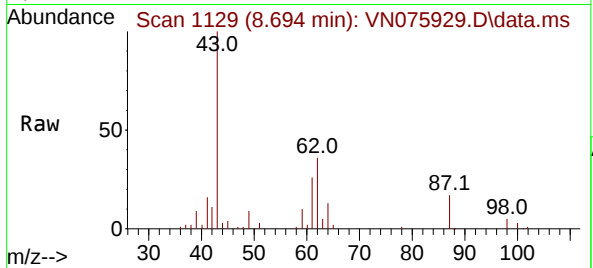
#43
Isopropyl Acetate
Concen: 19.949 ug/l
RT: 8.694 min Scan# 1129
Delta R.T. 0.000 min
Lab File: VN075929.D
Acq: 21 Dec 2022 19:05

Instrument :
MSVOA_N
ClientSampleId :
VN1221MBSD01

Tgt Ion: 43 Resp: 11185
Ion Ratio Lower Upper
43 100
61 29.7 24.2 36.4
87 17.4 13.3 19.9

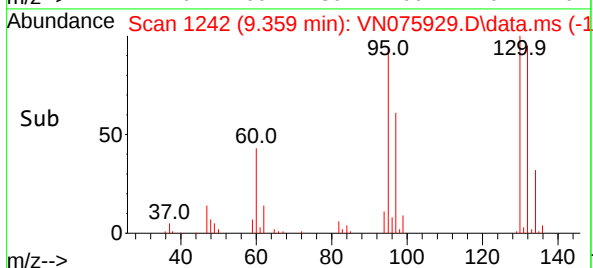
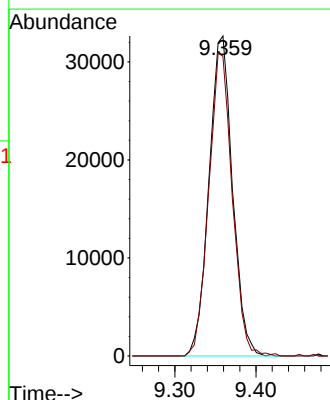
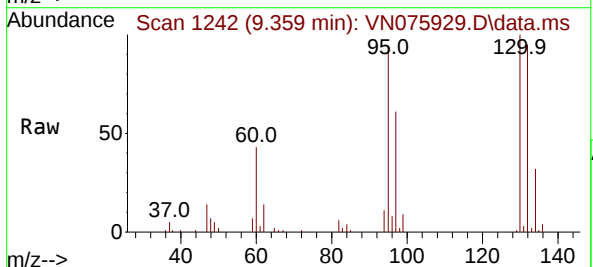
Manual Integrations
APPROVED

Reviewed By :John Carlone 12/22/2022
Supervised By :Mahesh Dadoda 12/22/2022



#44
Trichloroethene
Concen: 17.867 ug/l
RT: 9.359 min Scan# 1242
Delta R.T. 0.000 min
Lab File: VN075929.D
Acq: 21 Dec 2022 19:05

Tgt Ion:130 Resp: 65721
Ion Ratio Lower Upper
130 100
95 93.6 0.0 195.4





#45

1,2-Dichloropropane

Concen: 18.765 ug/l

RT: 9.624 min Scan# 11

Delta R.T. 0.000 min

Lab File: VN075929.D

Acq: 21 Dec 2022 19:05

Instrument :

MSVOA_N

ClientSampleId :

VN1221MBS01

Tgt Ion: 63 Resp: 5962

Ion Ratio Lower Upper

63 100

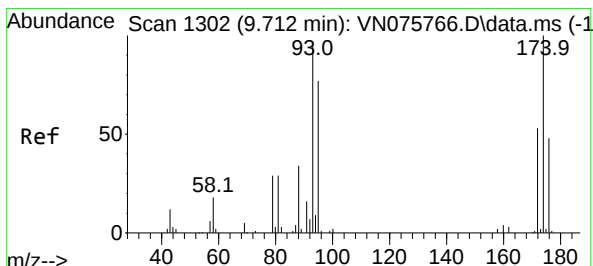
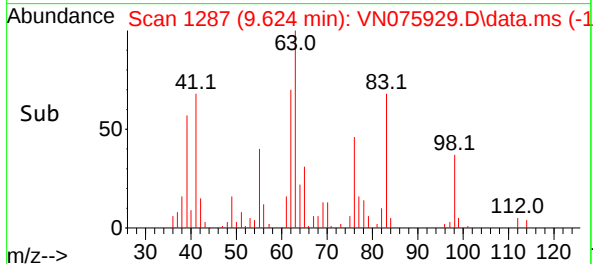
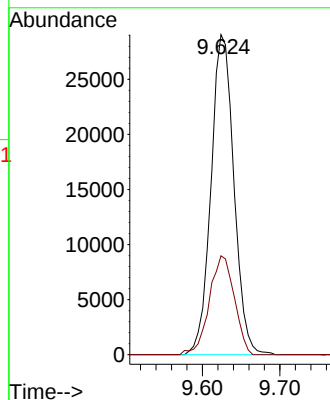
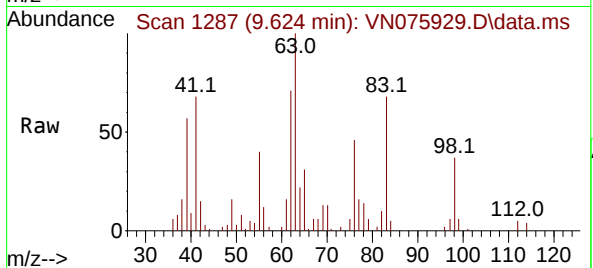
65 30.9 25.7 38.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/22/2022

Supervised By :Mahesh Dadoda 12/22/2022



#46

Dibromomethane

Concen: 19.216 ug/l

RT: 9.718 min Scan# 1303

Delta R.T. 0.006 min

Lab File: VN075929.D

Acq: 21 Dec 2022 19:05

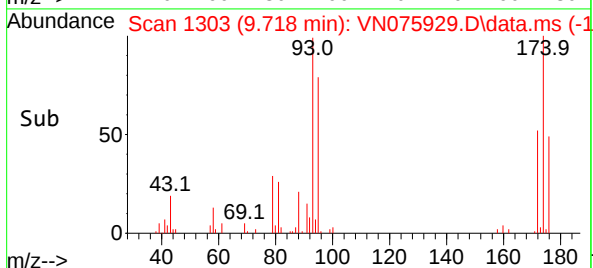
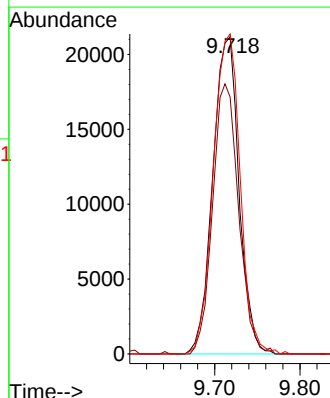
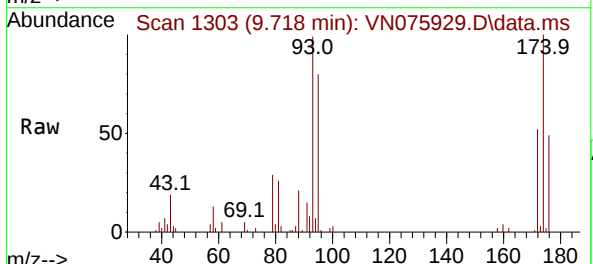
Tgt Ion: 93 Resp: 45283

Ion Ratio Lower Upper

93 100

95 84.4 65.2 97.8

174 103.2 82.4 123.6





#47

Bromodichloromethane

Concen: 18.939 ug/l

RT: 9.894 min Scan# 1333

Delta R.T. 0.006 min

Lab File: VN075929.D

Acq: 21 Dec 2022 19:05

Instrument :

MSVOA_N

ClientSampleId :

VN1221MBS01

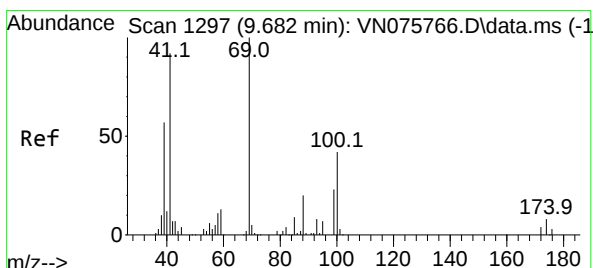
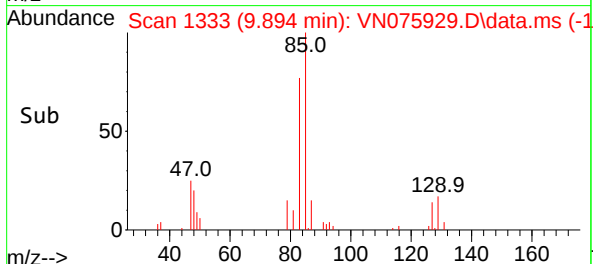
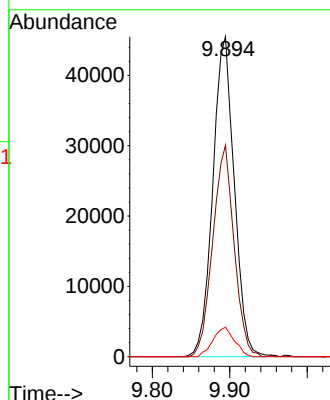
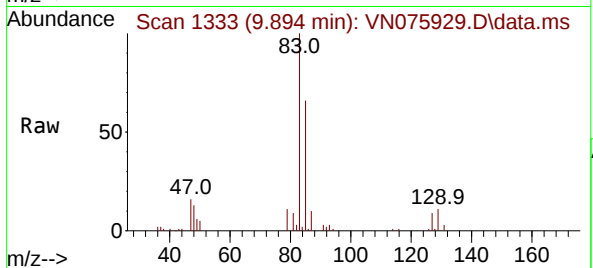
Tgt Ion: 83	Resp: 8752
Ion Ratio	Lower Upper
83 100	
85 66.0	51.5 77.3
127 9.2	6.6 10.0

Manual Integrations

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Reviewed By :John Carlone 12/22/2022

Supervised By :Mahesh Dadoda 12/22/2022



#48

Methyl methacrylate

Concen: 20.380 ug/l

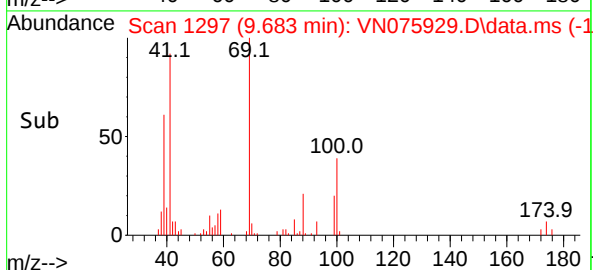
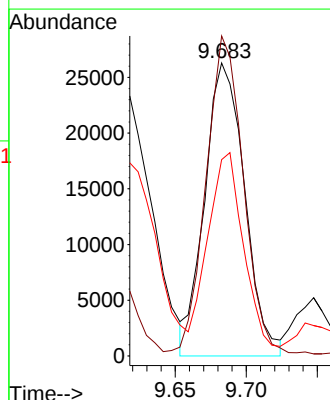
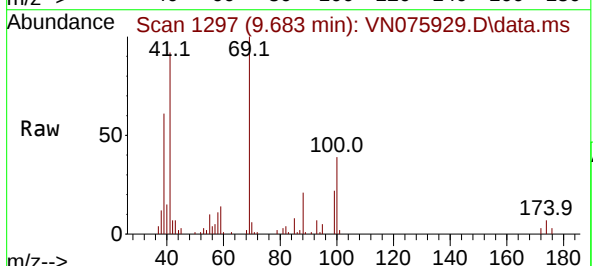
RT: 9.683 min Scan# 1297

Delta R.T. 0.000 min

Lab File: VN075929.D

Acq: 21 Dec 2022 19:05

Tgt Ion: 41	Resp: 51469
Ion Ratio	Lower Upper
41 100	
69 103.5	81.9 122.9
39 63.7	51.6 77.4





#49

1,4-Dioxane

Concen: 373.385 ug/l

RT: 9.700 min Scan# 11

Delta R.T. 0.000 min

Lab File: VN075929.D

Acq: 21 Dec 2022 19:05

Instrument :

MSVOA_N

ClientSampleId :

VN1221MBSD01

Tgt Ion: 88 Resp: 2318

Ion Ratio Lower Upper

88 100

43 24.8 17.1 25.7

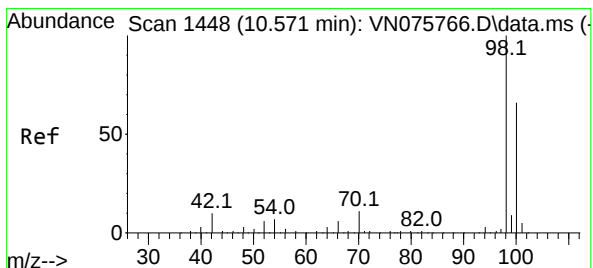
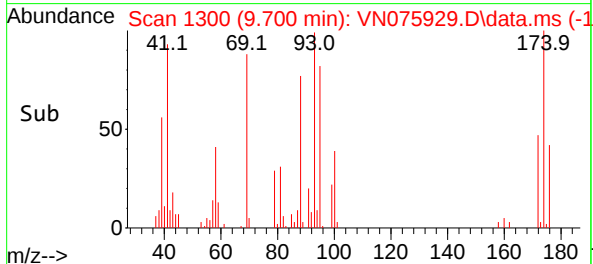
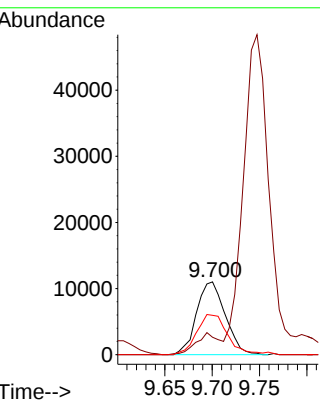
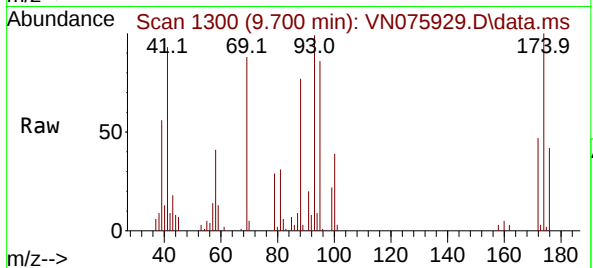
58 59.9 47.8 71.8

Manual Integrations

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Reviewed By :John Carlone 12/22/2022

Supervised By :Mahesh Dadoda 12/22/2022



#50

Toluene-d8

Concen: 51.430 ug/l

RT: 10.571 min Scan# 1448

Delta R.T. 0.000 min

Lab File: VN075929.D

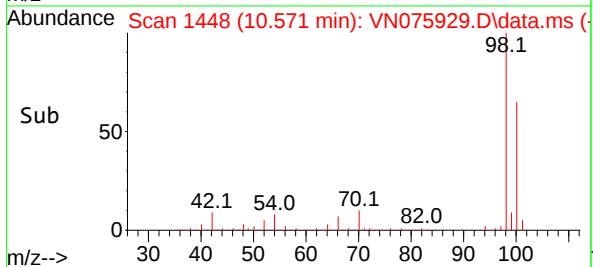
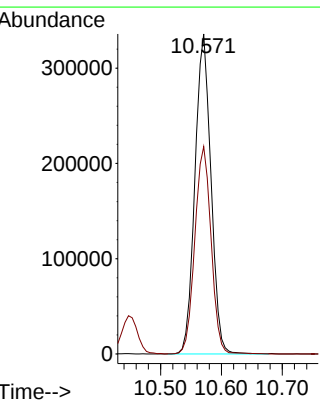
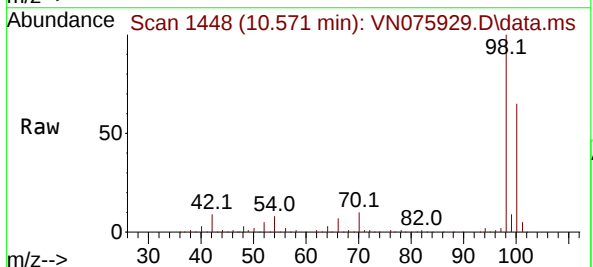
Acq: 21 Dec 2022 19:05

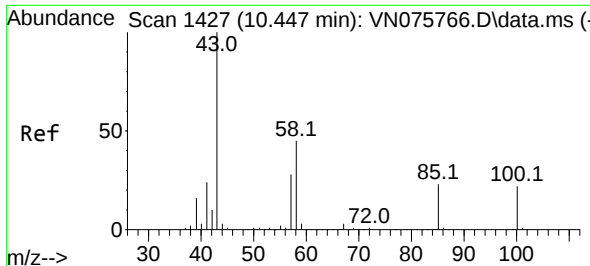
Tgt Ion: 98 Resp: 612575

Ion Ratio Lower Upper

98 100

100 65.9 52.1 78.1





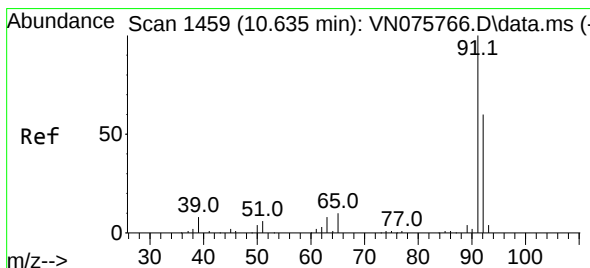
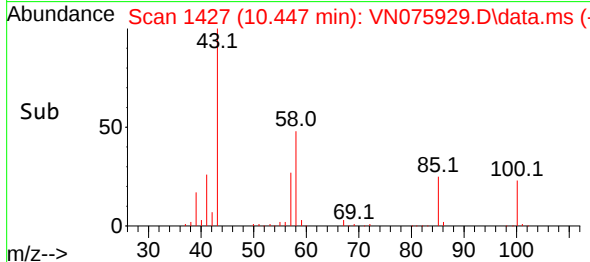
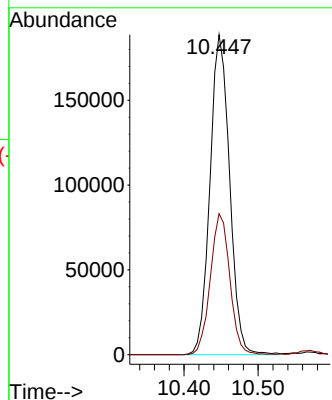
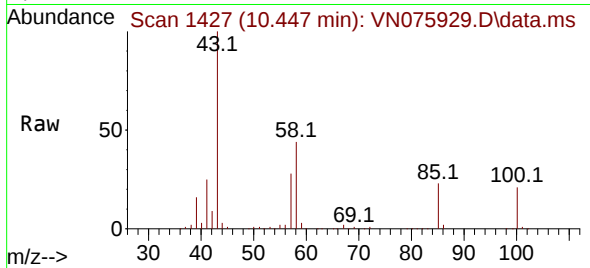
#51
4-Methyl-2-Pentanone
Concen: 102.461 ug/l
RT: 10.447 min Scan# 1427
Delta R.T. 0.000 min
Lab File: VN075929.D
Acq: 21 Dec 2022 19:05

Instrument :
MSVOA_N
ClientSampleId :
VN1221MBSD01

Tgt Ion: 43 Resp: 347449
Ion Ratio Lower Upper
43 100
58 43.8 35.5 53.3

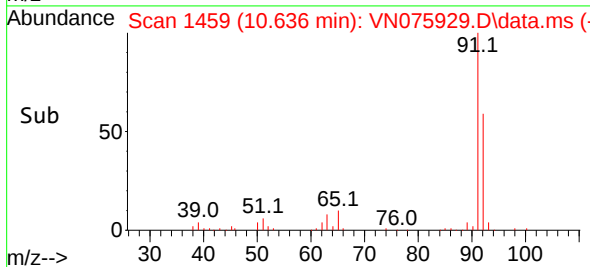
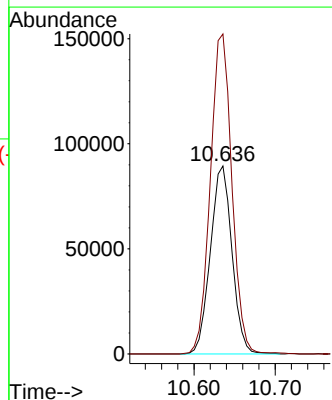
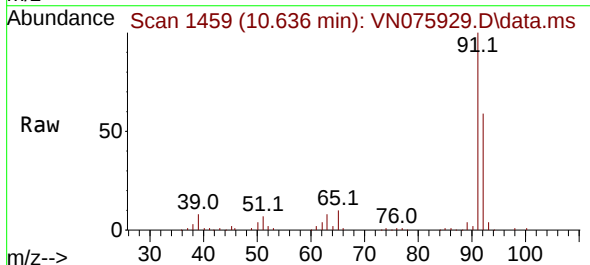
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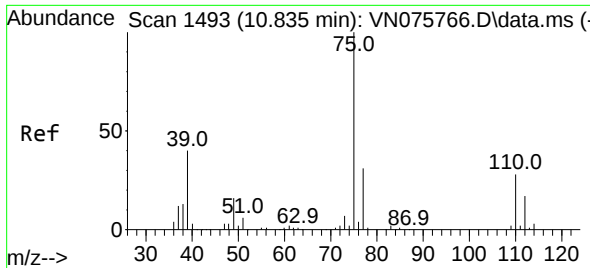
Reviewed By :John Carlone 12/22/2022
Supervised By :Mahesh Dadoda 12/22/2022



#52
Toluene
Concen: 19.463 ug/l
RT: 10.636 min Scan# 1459
Delta R.T. 0.000 min
Lab File: VN075929.D
Acq: 21 Dec 2022 19:05

Tgt Ion: 92 Resp: 165498
Ion Ratio Lower Upper
92 100
91 170.0 137.3 205.9





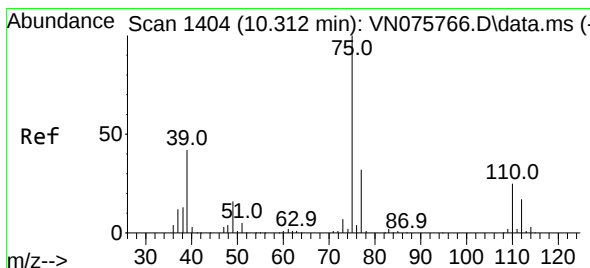
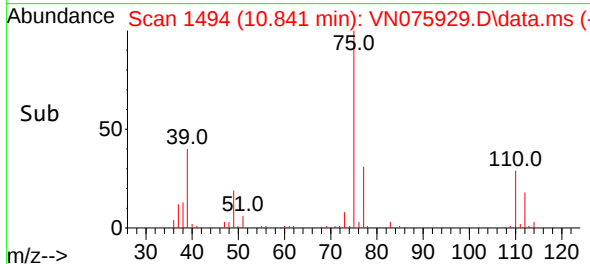
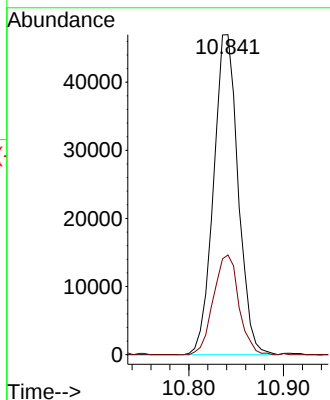
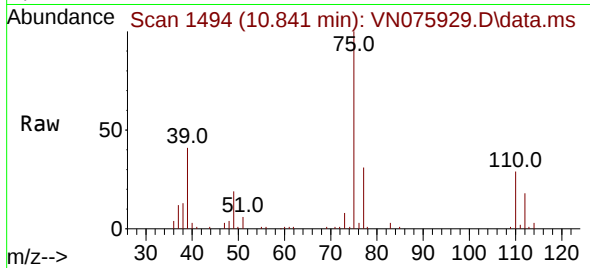
#53
 t-1,3-Dichloropropene
 Concen: 18.779 ug/l
 RT: 10.841 min Scan# 1494
 Delta R.T. 0.006 min
 Lab File: VN075929.D
 Acq: 21 Dec 2022 19:05

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1221MBS01

Tgt Ion: 75 Resp: 84954
 Ion Ratio Lower Upper
 75 100
 77 31.2 24.9 37.3

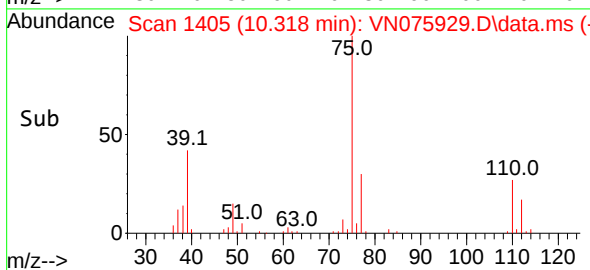
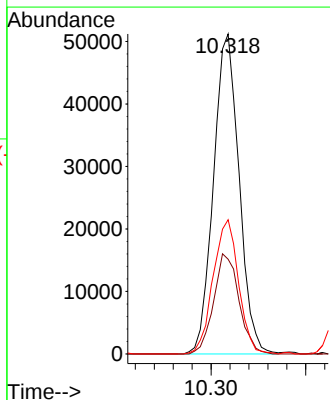
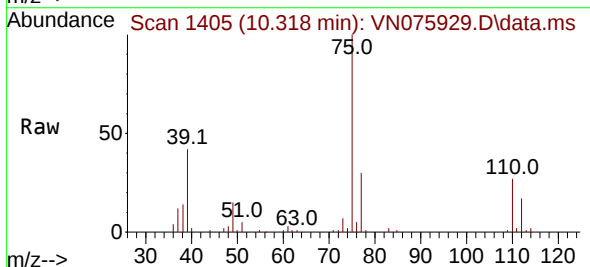
Manual Integrations
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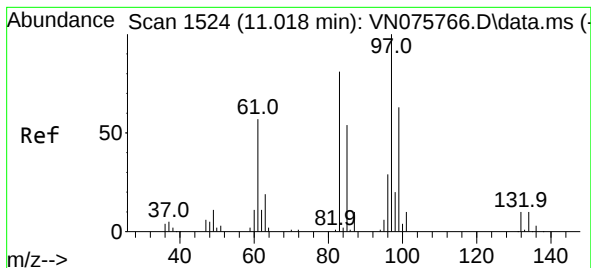
Reviewed By :John Carlone 12/22/2022
 Supervised By :Mahesh Dadoda 12/22/2022



#54
 cis-1,3-Dichloropropene
 Concen: 19.334 ug/l
 RT: 10.318 min Scan# 1405
 Delta R.T. 0.006 min
 Lab File: VN075929.D
 Acq: 21 Dec 2022 19:05

Tgt Ion: 75 Resp: 96031
 Ion Ratio Lower Upper
 75 100
 77 29.6 25.8 38.8
 39 42.0 33.4 50.2





#55
1,1,2-Trichloroethane
Concen: 20.259 ug/l
RT: 11.018 min Scan# 1524
Delta R.T. 0.000 min
Lab File: VN075929.D
Acq: 21 Dec 2022 19:05

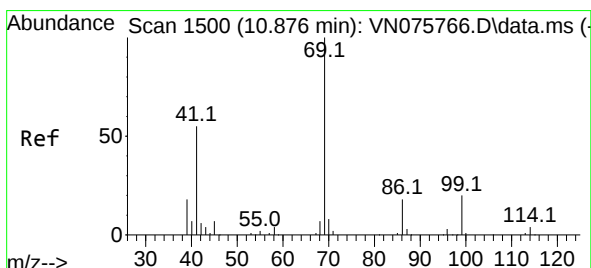
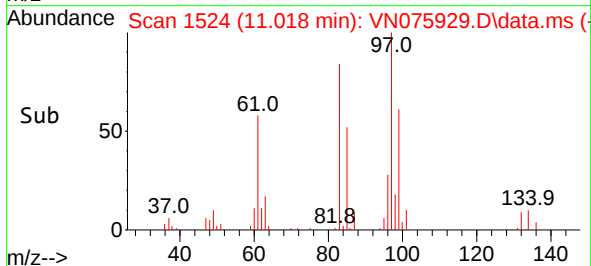
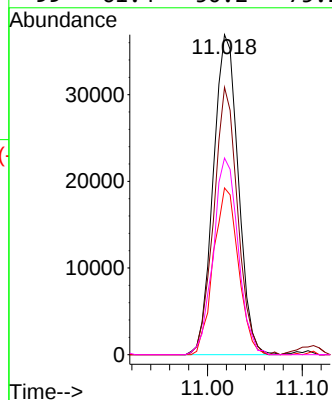
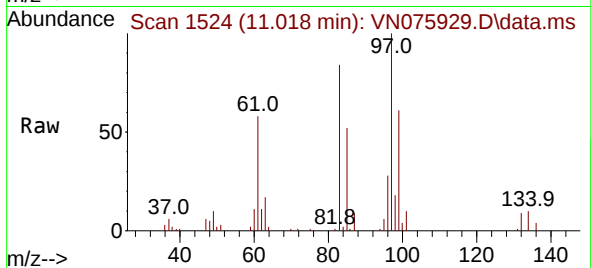
Instrument :
MSVOA_N
ClientSampleId :
VN1221MBSD01

Tgt Ion: 97 Resp: 67618

Ion	Ratio	Lower	Upper
97	100		
83	83.6	65.0	97.4
85	52.1	43.0	64.6
99	61.4	50.2	75.2

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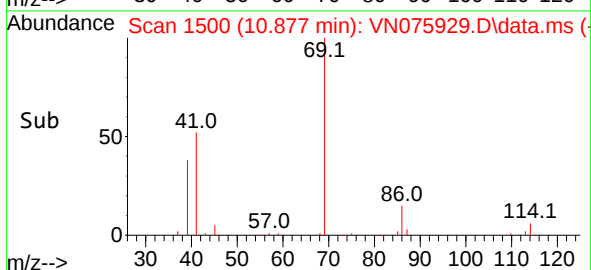
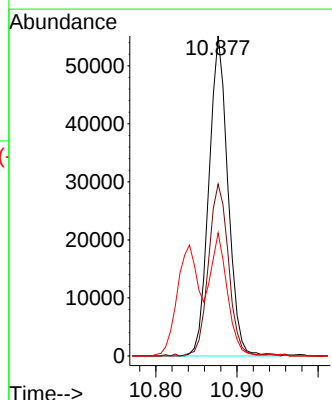
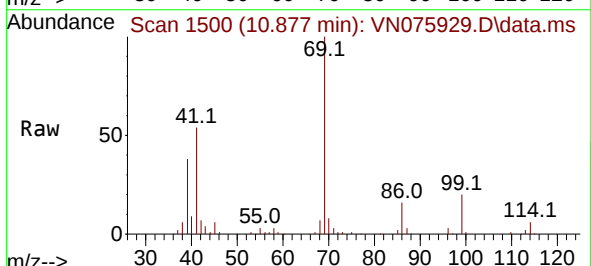
Reviewed By :John Carlone 12/22/2022
Supervised By :Mahesh Dadoda 12/22/2022

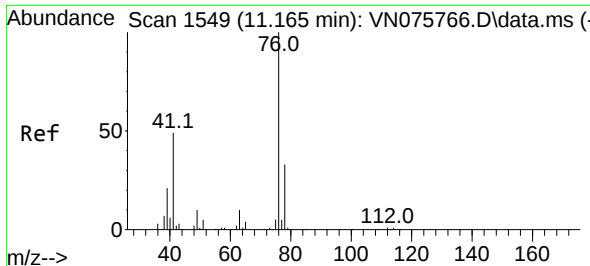


#56
Ethyl methacrylate
Concen: 20.258 ug/l
RT: 10.877 min Scan# 1500
Delta R.T. 0.000 min
Lab File: VN075929.D
Acq: 21 Dec 2022 19:05

Tgt Ion: 69 Resp: 89808

Ion	Ratio	Lower	Upper
69	100		
41	56.5	44.2	66.4
39	34.2	26.4	39.6





#57

1,3-Dichloropropane

Concen: 19.289 ug/l

RT: 11.165 min Scan# 1112

Delta R.T. 0.000 min

Lab File: VN075929.D

Acq: 21 Dec 2022 19:05

Instrument :

MSVOA_N

ClientSampleId :

VN1221MBSD01

Tgt Ion: 76 Resp: 10560

Ion Ratio Lower Upper

76 100

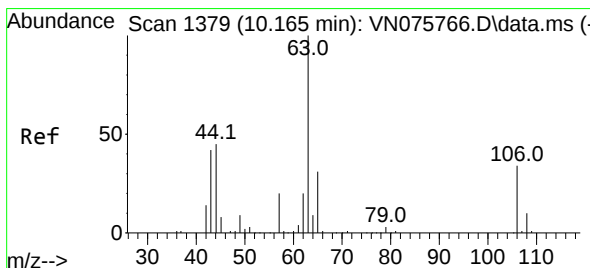
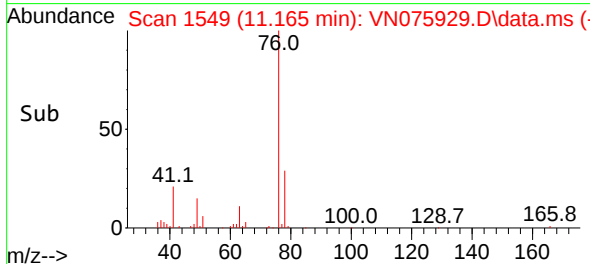
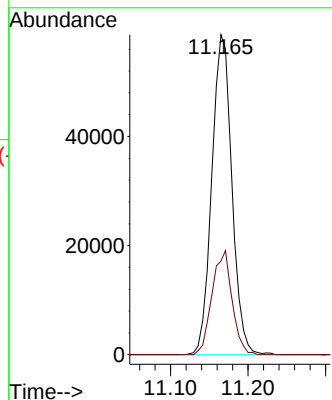
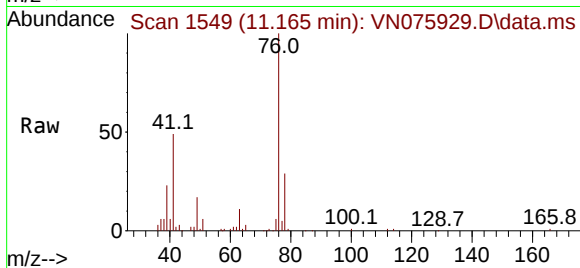
78 32.4 26.2 39.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/22/2022

Supervised By :Mahesh Dadoda 12/22/2022



#58

2-Chloroethyl Vinyl ether

Concen: 97.004 ug/l

RT: 10.165 min Scan# 1379

Delta R.T. 0.000 min

Lab File: VN075929.D

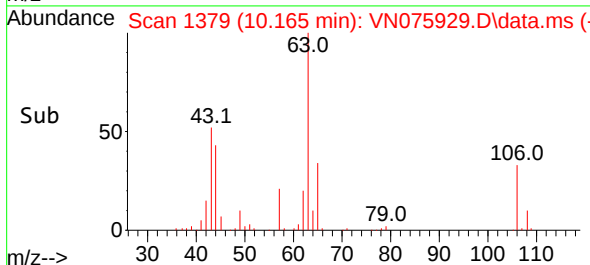
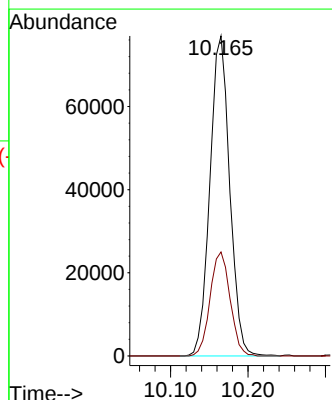
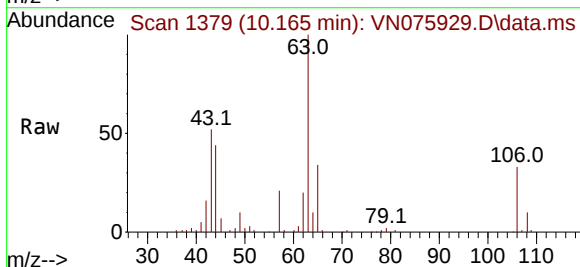
Acq: 21 Dec 2022 19:05

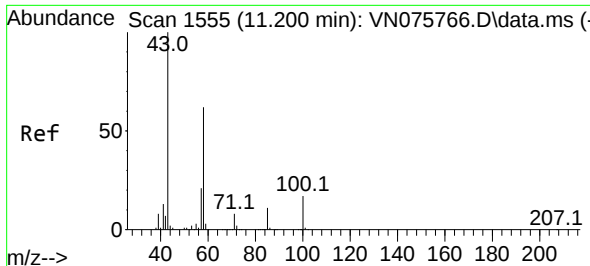
Tgt Ion: 63 Resp: 136918

Ion Ratio Lower Upper

63 100

106 32.8 26.4 39.6





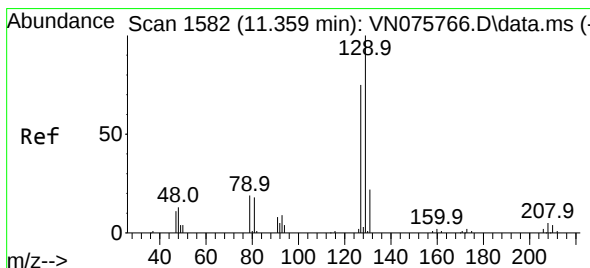
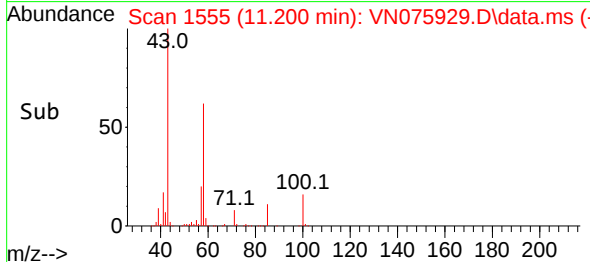
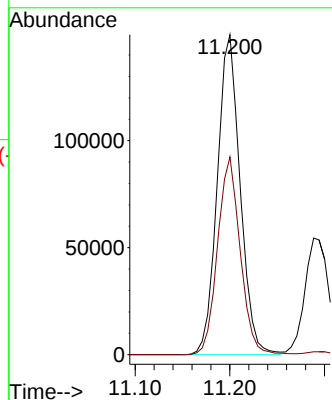
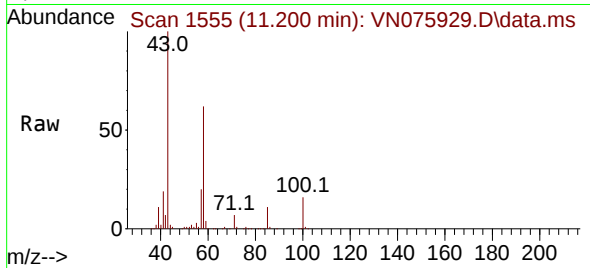
#59
2-Hexanone
Concen: 101.353 ug/l
RT: 11.200 min Scan# 1555
Delta R.T. 0.000 min
Lab File: VN075929.D
Acq: 21 Dec 2022 19:05

Instrument :
MSVOA_N
ClientSampleId :
VN1221MBSD01

Tgt Ion: 43 Resp: 25064
Ion Ratio Lower Upper
43 100
58 61.2 30.6 92.0

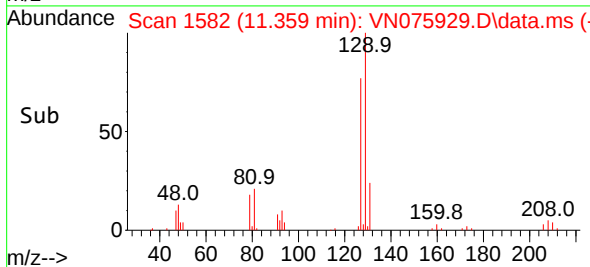
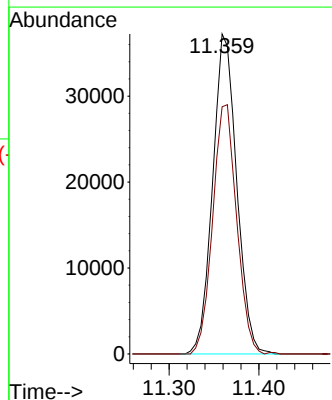
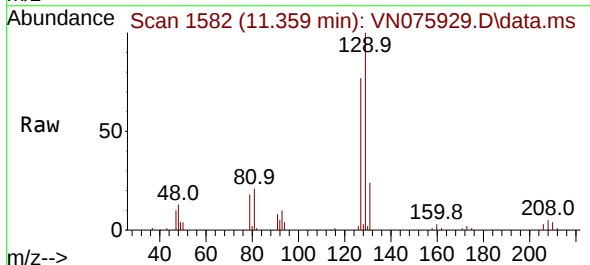
Manual Integrations
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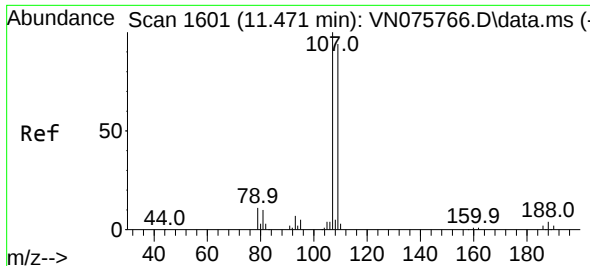
Reviewed By :John Carlone 12/22/2022
Supervised By :Mahesh Dadoda 12/22/2022



#60
Dibromochloromethane
Concen: 18.666 ug/l
RT: 11.359 min Scan# 1582
Delta R.T. 0.000 min
Lab File: VN075929.D
Acq: 21 Dec 2022 19:05

Tgt Ion:129 Resp: 69285
Ion Ratio Lower Upper
129 100
127 77.6 38.3 114.9





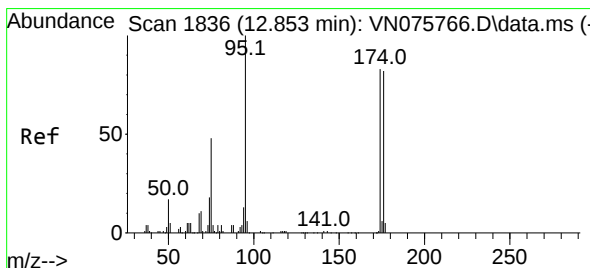
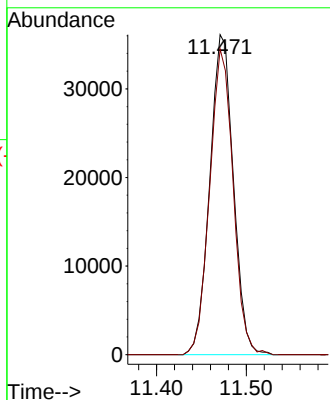
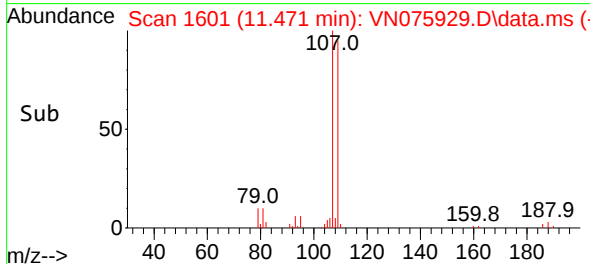
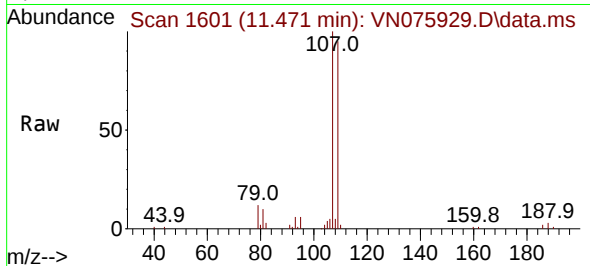
#61
1,2-Dibromoethane
Concen: 19.548 ug/l
RT: 11.471 min Scan# 1601
Delta R.T. 0.000 min
Lab File: VN075929.D
Acq: 21 Dec 2022 19:05

Instrument :
MSVOA_N
ClientSampleId :
VN1221MBSD01

Tgt Ion:107 Resp: 66025
Ion Ratio Lower Upper
107 100
109 94.7 74.8 112.2

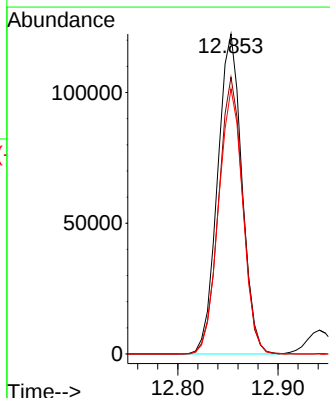
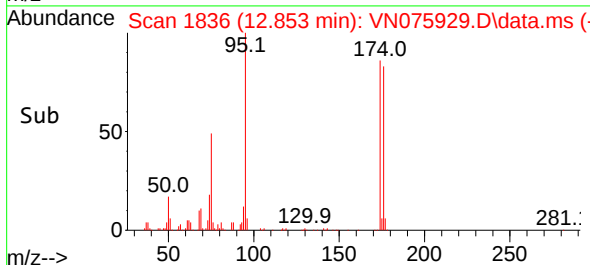
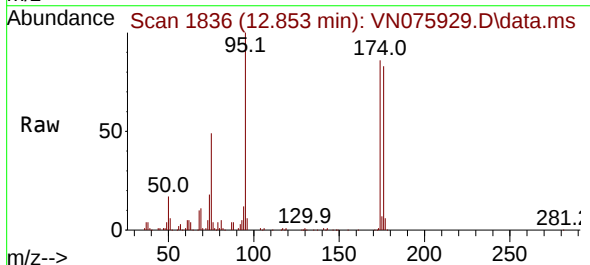
Manual Integrations
APPROVED

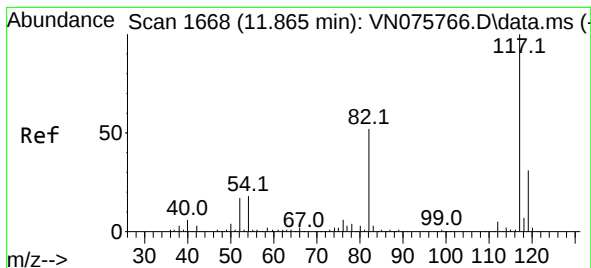
Reviewed By :John Carlone 12/22/2022
Supervised By :Mahesh Dadoda 12/22/2022



#62
4-Bromofluorobenzene
Concen: 52.234 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. 0.000 min
Lab File: VN075929.D
Acq: 21 Dec 2022 19:05

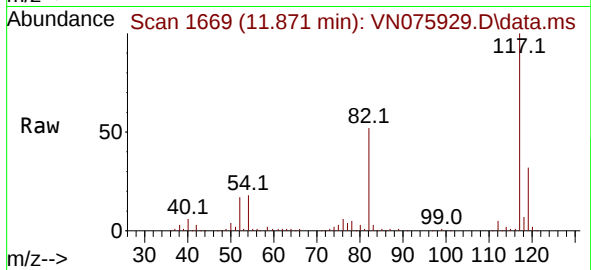
Tgt Ion: 95 Resp: 206060
Ion Ratio Lower Upper
95 100
174 85.8 0.0 171.6
176 82.9 0.0 169.2





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 1669
Delta R.T. 0.006 min
Lab File: VN075929.D
Acq: 21 Dec 2022 19:05

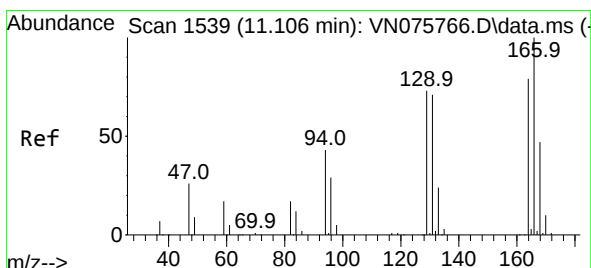
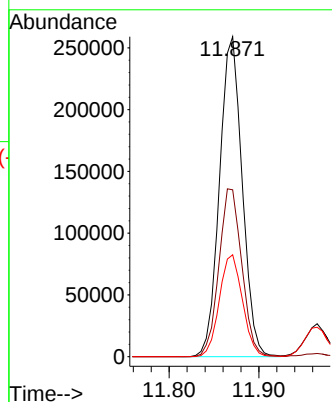
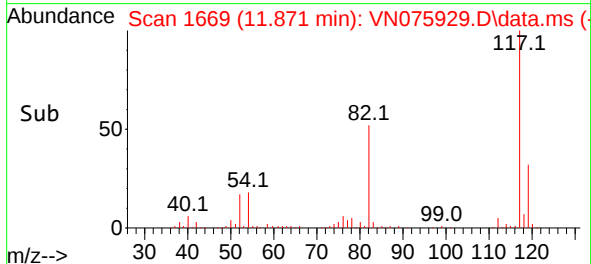
Instrument :
MSVOA_N
ClientSampleId :
VN1221MBSD01



Tgt Ion:117 Resp: 45498
Ion Ratio Lower Upper
117 100
82 52.1 41.3 61.9
119 31.9 24.6 37.0

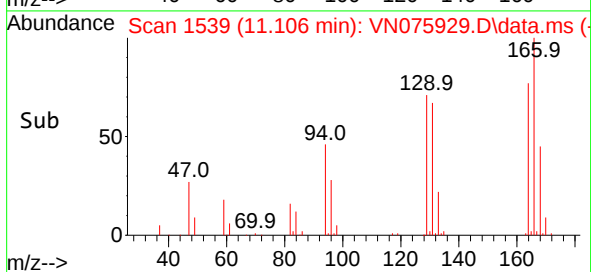
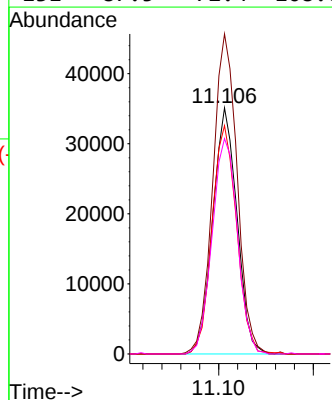
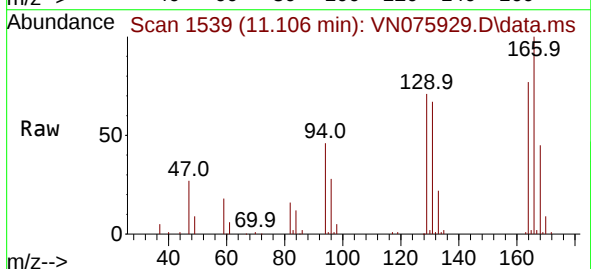
Manual Integrations
APPROVED

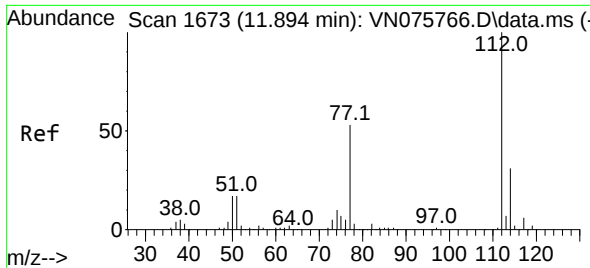
Reviewed By :John Carlone 12/22/2022
Supervised By :Mahesh Dadoda 12/22/2022



#64
Tetrachloroethene
Concen: 19.474 ug/l
RT: 11.106 min Scan# 1539
Delta R.T. 0.000 min
Lab File: VN075929.D
Acq: 21 Dec 2022 19:05

Tgt Ion:164 Resp: 62348
Ion Ratio Lower Upper
164 100
166 130.1 101.9 152.9
129 92.8 74.2 111.2
131 87.5 72.4 108.6





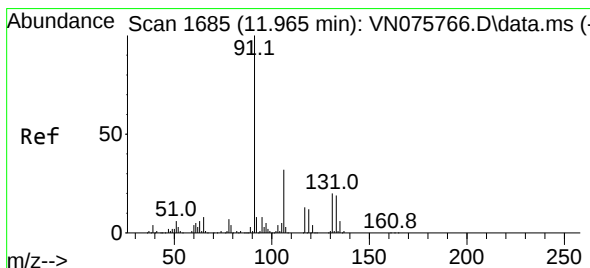
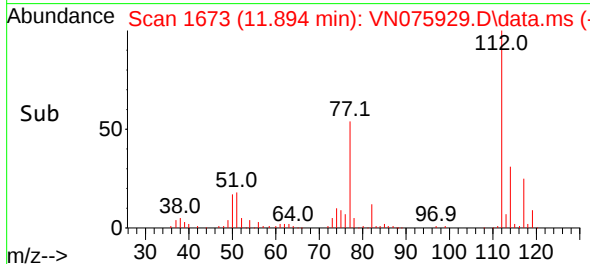
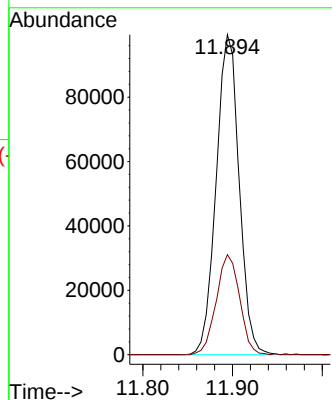
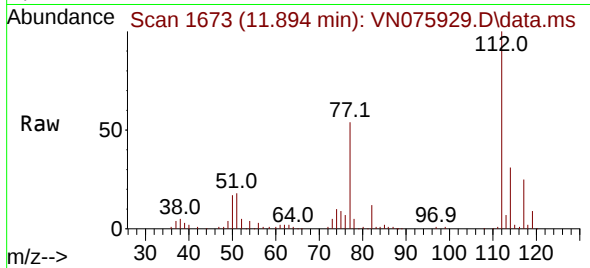
#65
Chlorobenzene
Concen: 18.923 ug/l
RT: 11.894 min Scan# 1673
Delta R.T. 0.000 min
Lab File: VN075929.D
Acq: 21 Dec 2022 19:05

Instrument :
MSVOA_N
ClientSampleId :
VN1221MBSD01

Tgt Ion:112 Resp: 17671
Ion Ratio Lower Upper
112 100
114 31.3 24.7 37.1

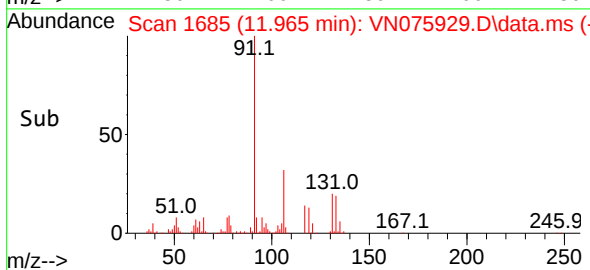
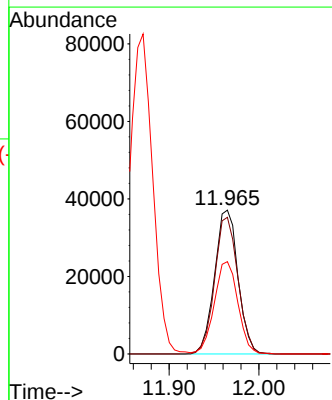
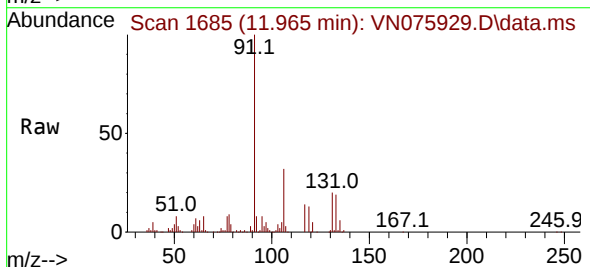
Manual Integrations
APPROVED

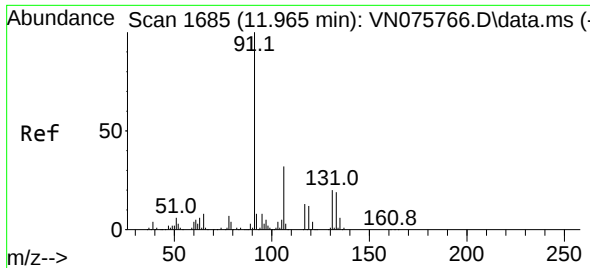
Reviewed By :John Carlone 12/22/2022
Supervised By :Mahesh Dadoda 12/22/2022



#66
1,1,1,2-Tetrachloroethane
Concen: 19.479 ug/l
RT: 11.965 min Scan# 1685
Delta R.T. 0.000 min
Lab File: VN075929.D
Acq: 21 Dec 2022 19:05

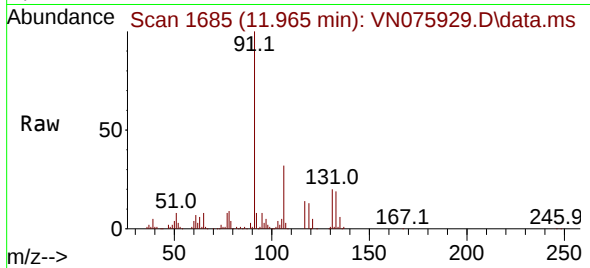
Tgt Ion:131 Resp: 67378
Ion Ratio Lower Upper
131 100
133 94.4 47.5 142.5
119 64.7 31.9 95.7





#67
Ethyl Benzene
Concen: 19.966 ug/l
RT: 11.965 min Scan# 1100
Delta R.T. 0.000 min
Lab File: VN075929.D
Acq: 21 Dec 2022 19:05

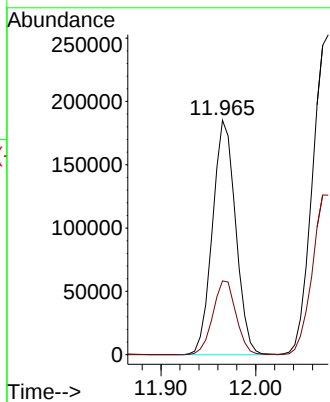
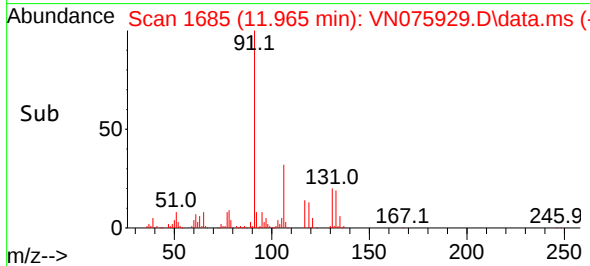
Instrument :
MSVOA_N
ClientSampleId :
VN1221MBSD01



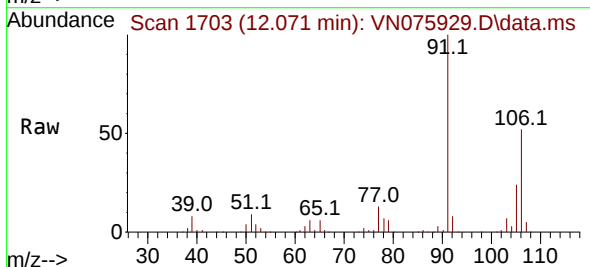
Tgt Ion: 91 Resp: 31467
Ion Ratio Lower Upper
91 100
106 31.5 25.7 38.5

Manual Integrations
APPROVED

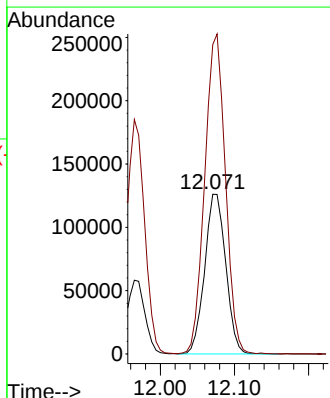
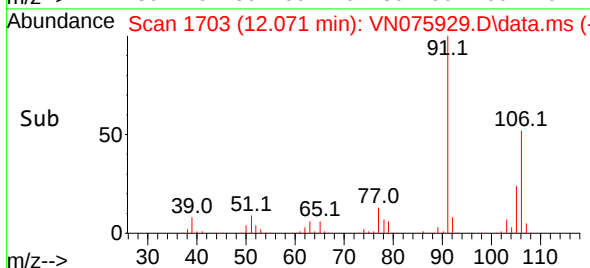
Reviewed By :John Carlone 12/22/2022
Supervised By :Mahesh Dadoda 12/22/2022

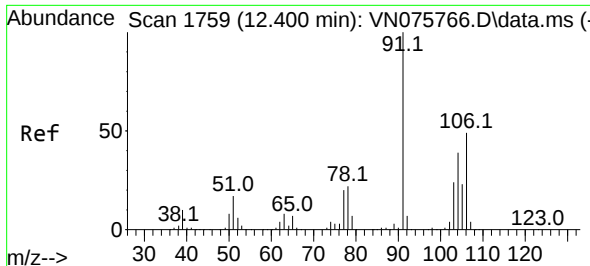


#68
m/p-Xylenes
Concen: 39.936 ug/l
RT: 12.071 min Scan# 1703
Delta R.T. -0.006 min
Lab File: VN075929.D
Acq: 21 Dec 2022 19:05



Tgt Ion:106 Resp: 249128
Ion Ratio Lower Upper
106 100
91 196.2 156.6 235.0





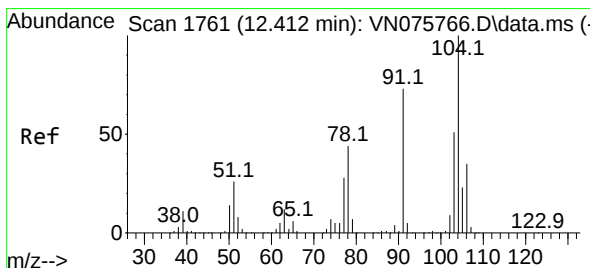
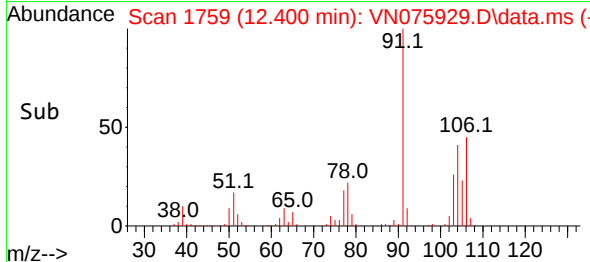
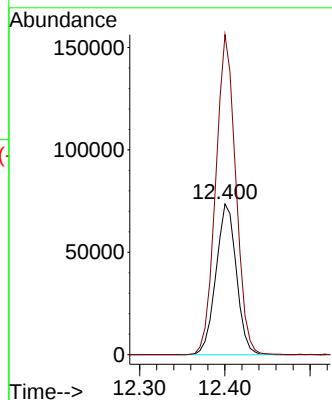
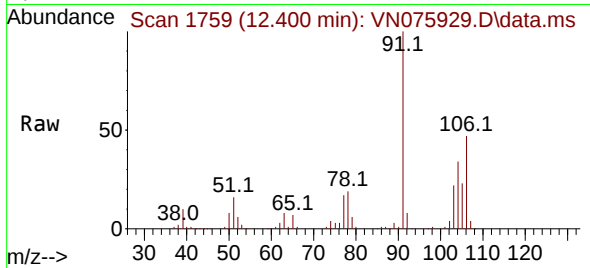
#69
o-Xylene
Concen: 19.863 ug/l
RT: 12.400 min Scan# 1759
Delta R.T. 0.000 min
Lab File: VN075929.D
Acq: 21 Dec 2022 19:05

Instrument :
MSVOA_N
ClientSampleId :
VN1221MBSD01

Tgt Ion:106 Resp: 122619
Ion Ratio Lower Upper
106 100
91 208.5 103.8 311.6

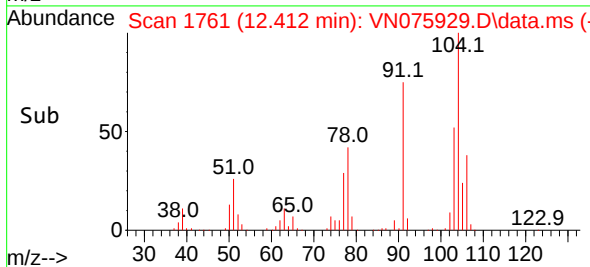
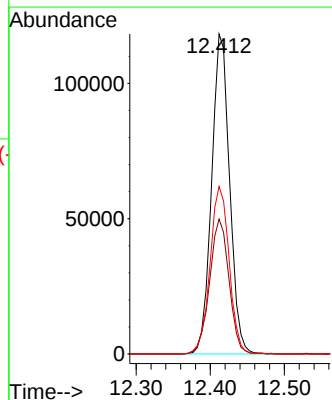
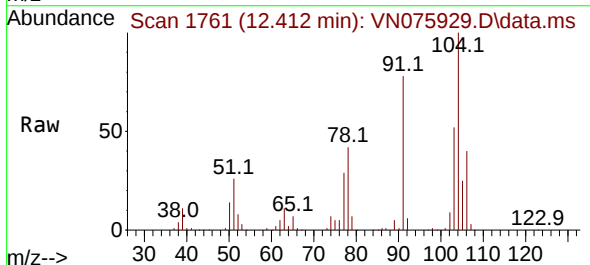
Manual Integrations
APPROVED

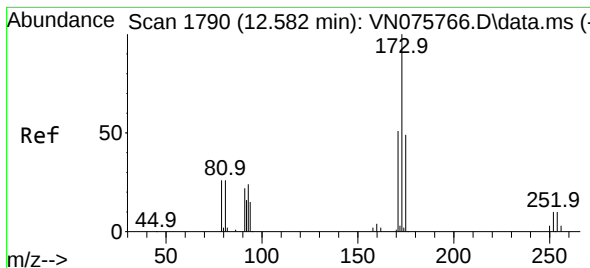
Reviewed By :John Carlone 12/22/2022
Supervised By :Mahesh Dadoda 12/22/2022



#70
Styrene
Concen: 20.260 ug/l
RT: 12.412 min Scan# 1761
Delta R.T. 0.000 min
Lab File: VN075929.D
Acq: 21 Dec 2022 19:05

Tgt Ion:104 Resp: 198860
Ion Ratio Lower Upper
104 100
78 45.6 37.5 56.3
103 55.7 43.5 65.3





#71

Bromoform

Concen: 19.950 ug/l

RT: 12.582 min Scan# 1790

Delta R.T. 0.000 min

Lab File: VN075929.D

Acq: 21 Dec 2022 19:05

Instrument :

MSVOA_N

ClientSampleId :

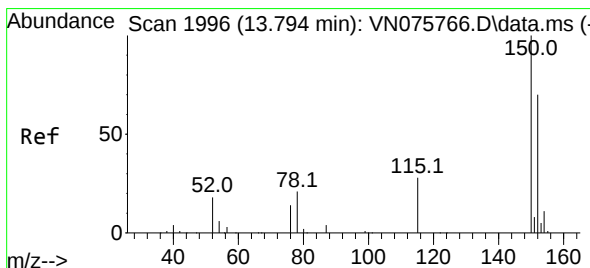
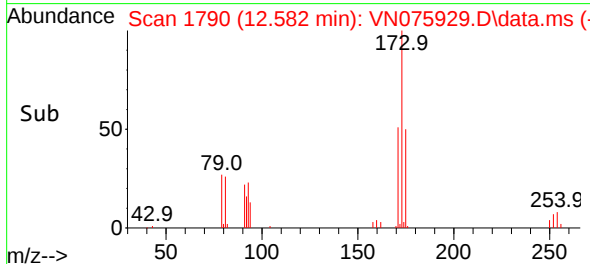
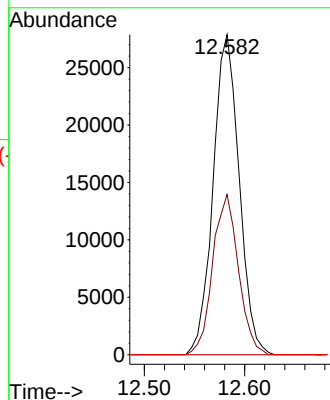
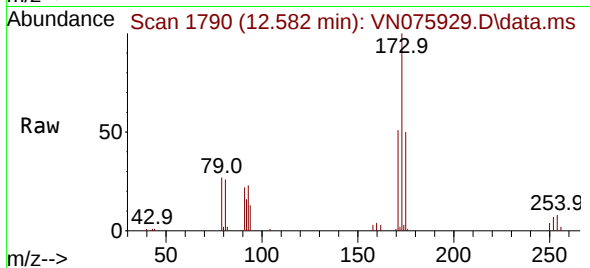
VN1221MBSD01

Tgt Ion:173 Resp: 5021
 Ion Ratio Lower Upper
 173 100
 175 49.4 24.3 72.8
 254 0.0 0.0 0.0

Manual Integrations

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Reviewed By :John Carlone 12/22/2022
 Supervised By :Mahesh Dadoda 12/22/2022



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

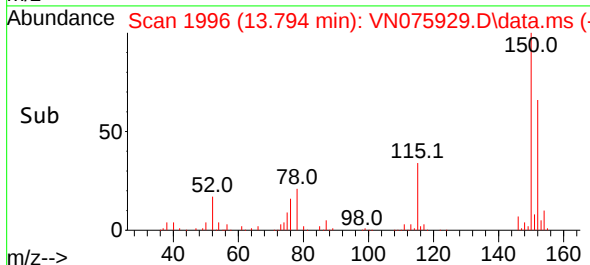
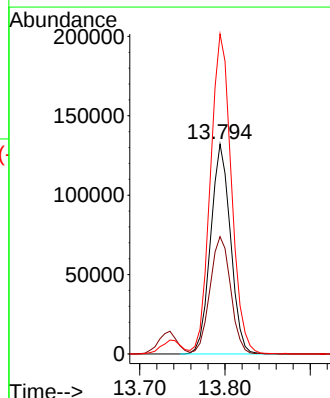
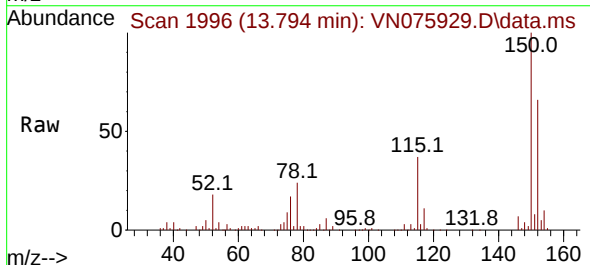
RT: 13.794 min Scan# 1996

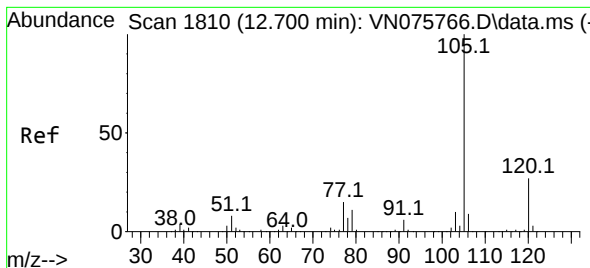
Delta R.T. 0.000 min

Lab File: VN075929.D

Acq: 21 Dec 2022 19:05

Tgt Ion:152 Resp: 214041
 Ion Ratio Lower Upper
 152 100
 115 58.1 29.1 87.4
 150 160.7 0.0 347.0





#73

Isopropylbenzene

Concen: 20.765 ug/l

RT: 12.700 min Scan# 1810

Delta R.T. 0.000 min

Lab File: VN075929.D

Acq: 21 Dec 2022 19:05

Instrument :

MSVOA_N

ClientSampleId :

VN1221MBSD01

Tgt Ion:105 Resp: 321180

Ion Ratio Lower Upper

105 100

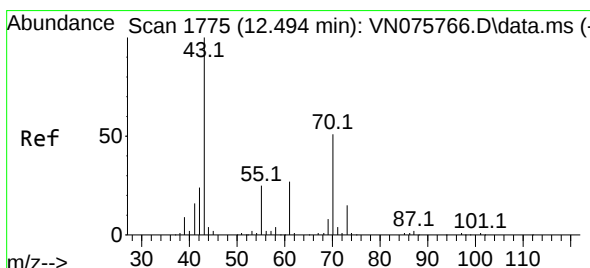
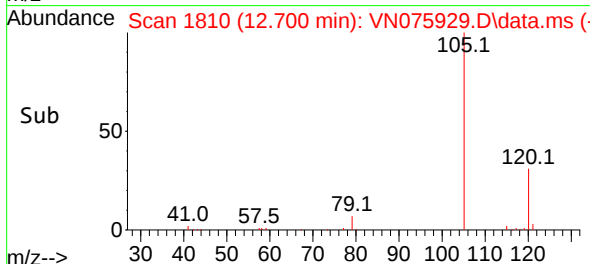
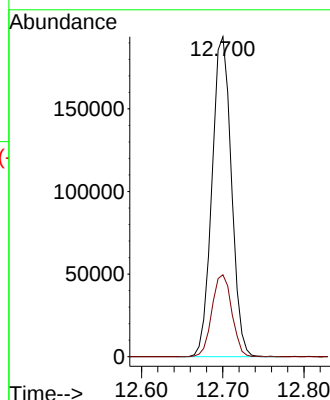
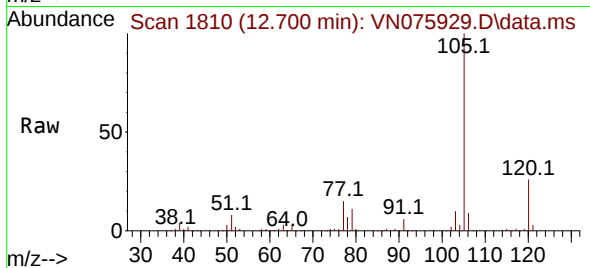
120 26.2 13.4 40.2

Manual Integrations

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Reviewed By :John Carlone 12/22/2022

Supervised By :Mahesh Dadoda 12/22/2022



#74

N-ethyl acetate

Concen: 21.042 ug/l

RT: 12.494 min Scan# 1775

Delta R.T. 0.000 min

Lab File: VN075929.D

Acq: 21 Dec 2022 19:05

Tgt Ion: 43 Resp: 95482

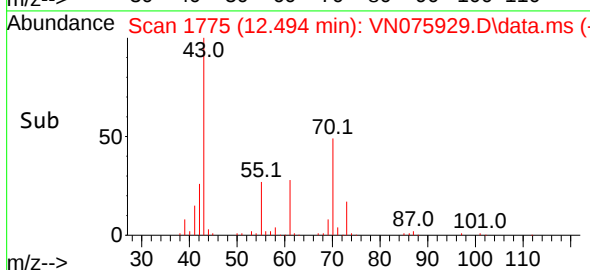
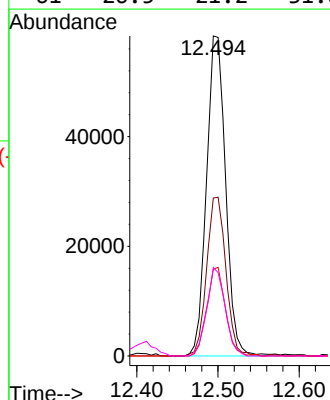
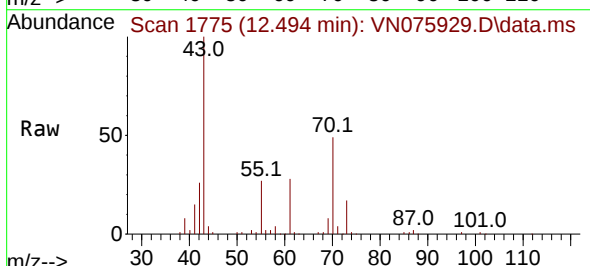
Ion Ratio Lower Upper

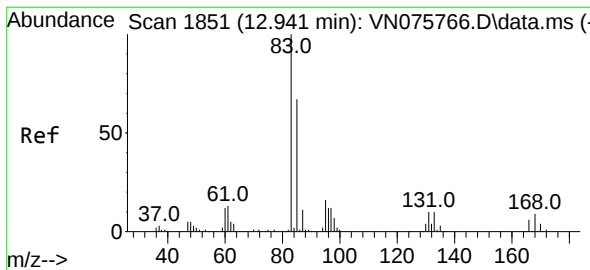
43 100

70 50.0 41.4 62.0

55 27.1 21.3 31.9

61 26.5 21.2 31.8





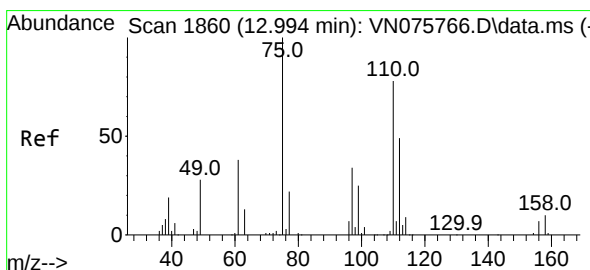
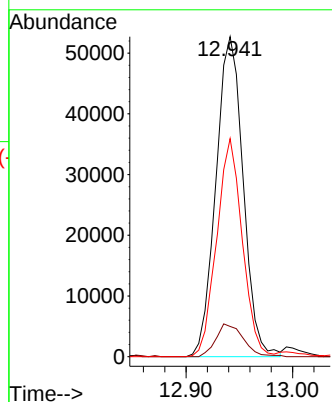
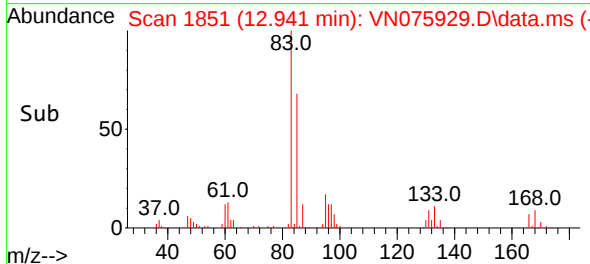
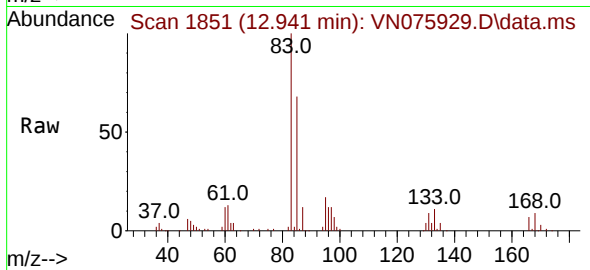
#75
1,1,2,2-Tetrachloroethane
Concen: 19.585 ug/l
RT: 12.941 min Scan# 1851
Delta R.T. 0.000 min
Lab File: VN075929.D
Acq: 21 Dec 2022 19:05

Instrument :
MSVOA_N
ClientSampleId :
VN1221MBSD01

Tgt Ion: 83 Resp: 93640
Ion Ratio Lower Upper
83 100
131 10.3 5.6 16.8
85 63.9 32.6 98.0

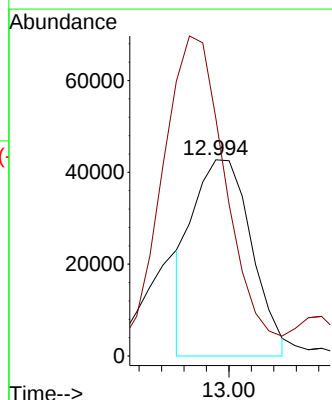
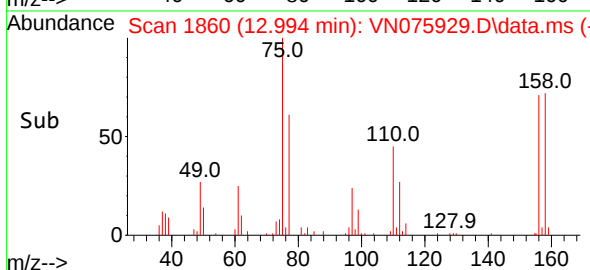
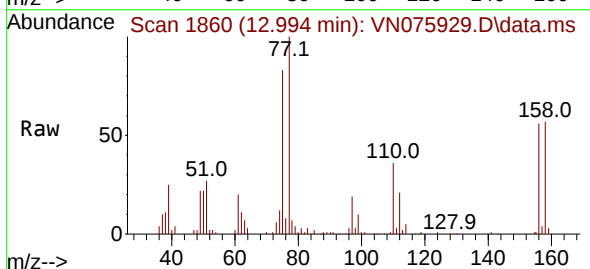
Manual Integrations
APPROVED

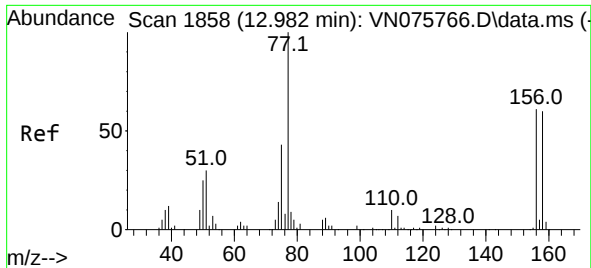
Reviewed By :John Carlone 12/22/2022
Supervised By :Mahesh Dadoda 12/22/2022



#76
1,2,3-Trichloropropane
Concen: 18.047 ug/l m
RT: 12.994 min Scan# 1860
Delta R.T. 0.000 min
Lab File: VN075929.D
Acq: 21 Dec 2022 19:05

Tgt Ion: 75 Resp: 77866
Ion Ratio Lower Upper
75 100
77 180.1 82.6 247.8





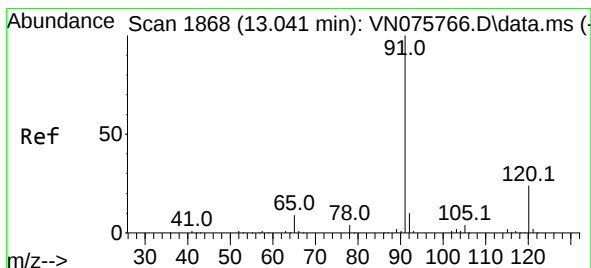
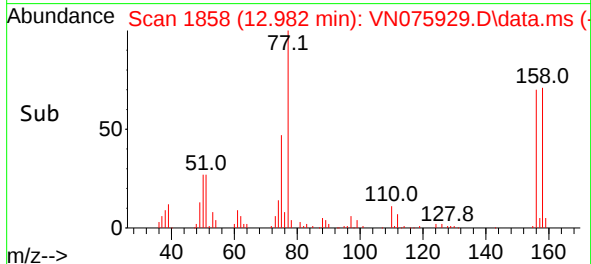
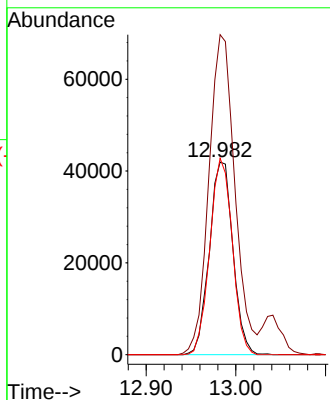
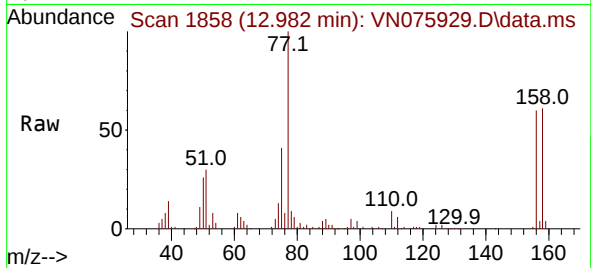
#77
Bromobenzene
Concen: 19.576 ug/l
RT: 12.982 min Scan# 1858
Delta R.T. 0.000 min
Lab File: VN075929.D
Acq: 21 Dec 2022 19:05

Instrument :
MSVOA_N
ClientSampleId :
VN1221MBSD01

Tgt Ion:156 Resp: 76628
Ion Ratio Lower Upper
156 100
77 183.1 93.8 281.3
158 97.1 48.9 146.6

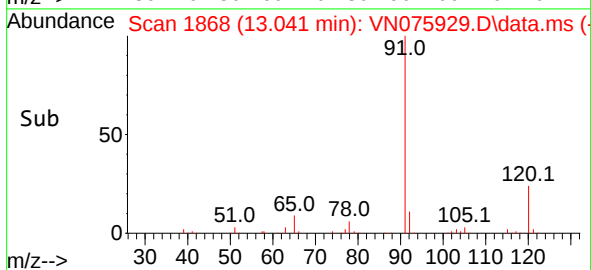
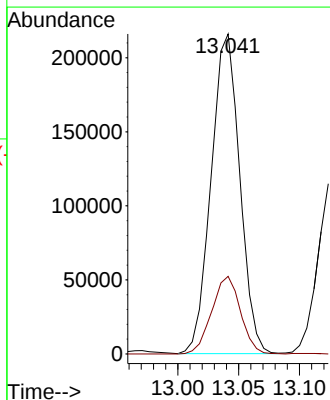
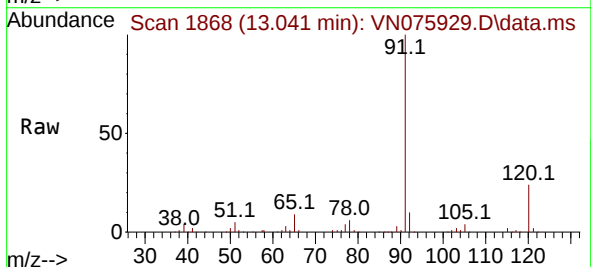
Manual Integrations
APPROVED

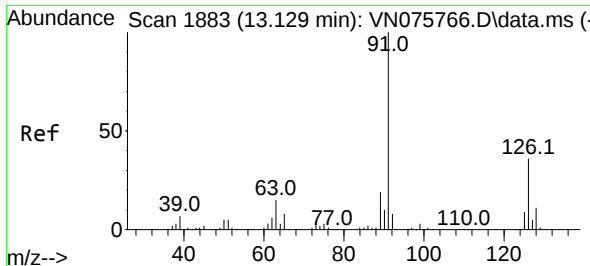
Reviewed By :John Carlone 12/22/2022
Supervised By :Mahesh Dadoda 12/22/2022



#78
n-propylbenzene
Concen: 20.724 ug/l
RT: 13.041 min Scan# 1868
Delta R.T. 0.000 min
Lab File: VN075929.D
Acq: 21 Dec 2022 19:05

Tgt Ion: 91 Resp: 353548
Ion Ratio Lower Upper
91 100
120 24.3 12.0 36.1





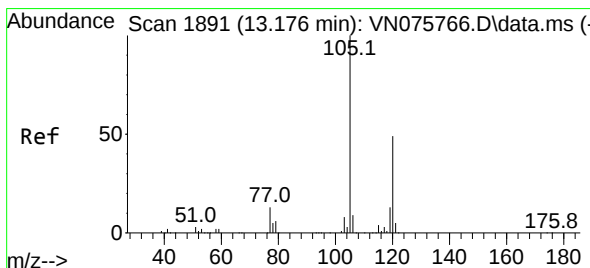
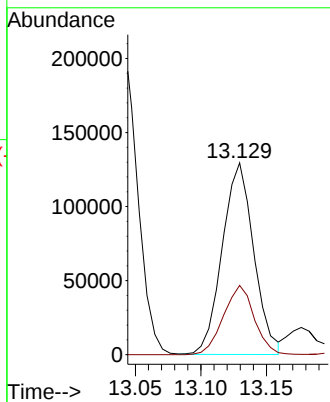
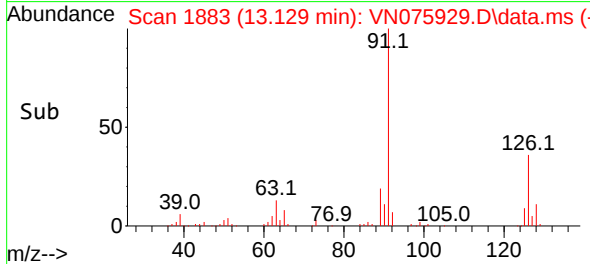
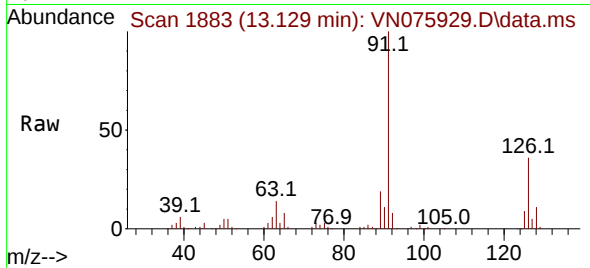
#79
2-Chlorotoluene
Concen: 20.346 ug/l
RT: 13.129 min Scan# 1883
Delta R.T. 0.000 min
Lab File: VN075929.D
Acq: 21 Dec 2022 19:05

Instrument :
MSVOA_N
ClientSampleId :
VN1221MBSD01

Tgt Ion: 91 Resp: 21667
Ion Ratio Lower Upper
91 100
126 35.4 17.5 52.5

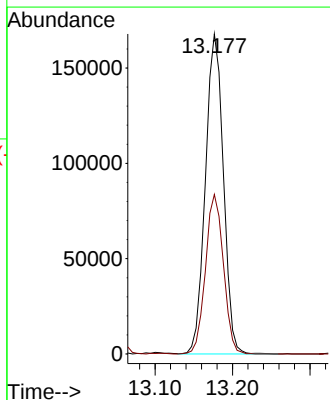
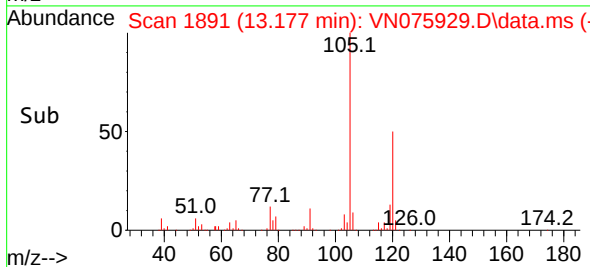
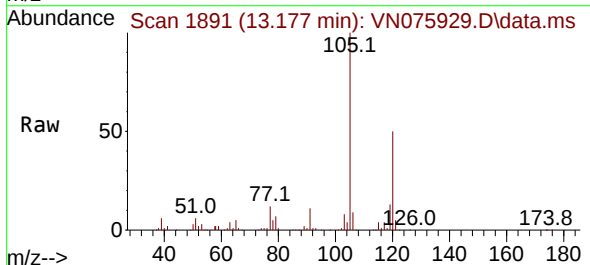
Manual Integrations
APPROVED

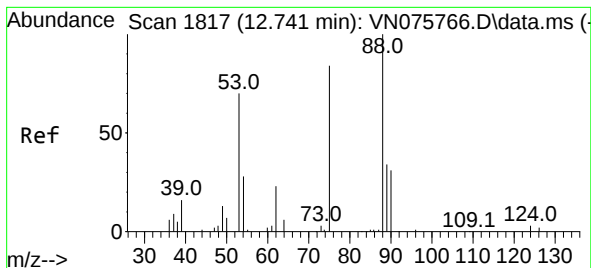
Reviewed By :John Carlone 12/22/2022
Supervised By :Mahesh Dadoda 12/22/2022



#80
1,3,5-Trimethylbenzene
Concen: 20.924 ug/l
RT: 13.177 min Scan# 1891
Delta R.T. 0.000 min
Lab File: VN075929.D
Acq: 21 Dec 2022 19:05

Tgt Ion:105 Resp: 270872
Ion Ratio Lower Upper
105 100
120 49.6 24.7 74.1





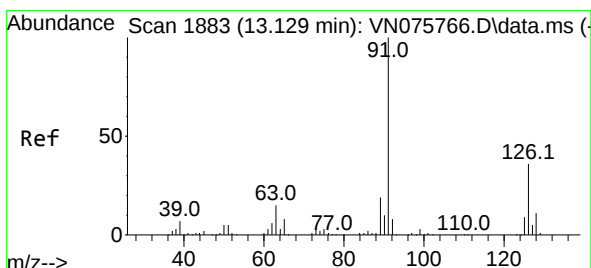
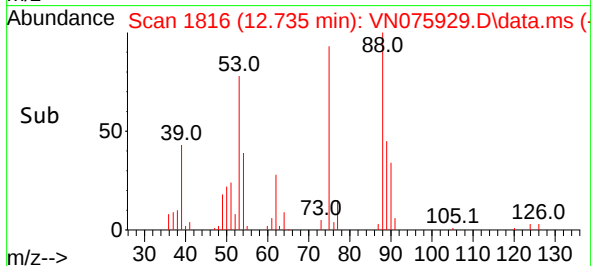
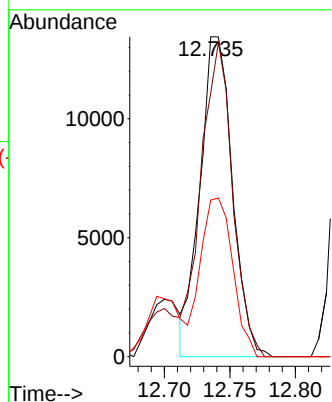
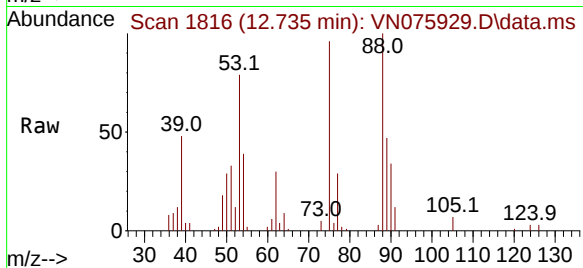
#81
trans-1,4-Dichloro-2-butene
Concen: 19.309 ug/l
RT: 12.735 min Scan# 1816
Delta R.T. -0.006 min
Lab File: VN075929.D
Acq: 21 Dec 2022 19:05

Instrument :
MSVOA_N
ClientSampleId :
VN1221MBS01

Tgt Ion: 75 Resp: 2314
Ion Ratio Lower Upper
75 100
53 95.4 73.8 110.6
89 48.9 39.5 59.3

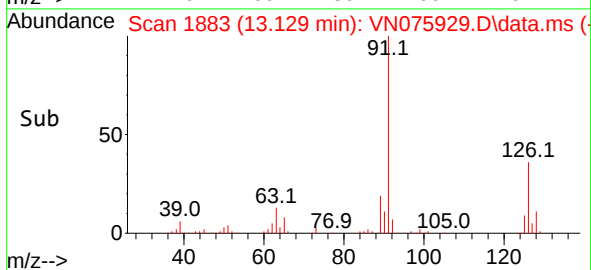
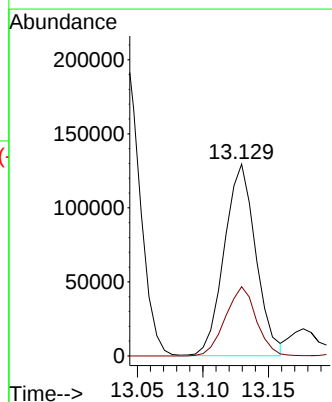
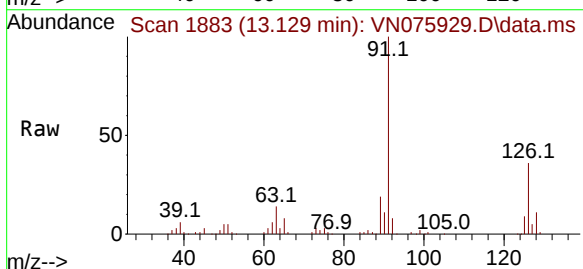
Manual Integrations
APPROVED

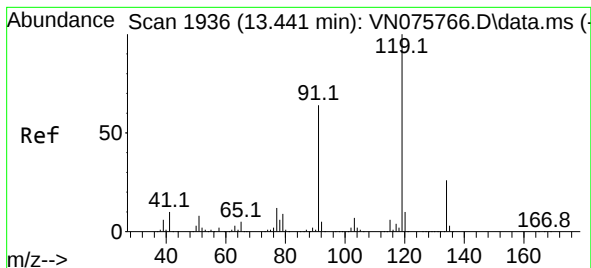
Reviewed By :John Carlone 12/22/2022
Supervised By :Mahesh Dadoda 12/22/2022



#82
4-Chlorotoluene
Concen: 20.346 ug/l
RT: 13.129 min Scan# 1883
Delta R.T. 0.000 min
Lab File: VN075929.D
Acq: 21 Dec 2022 19:05

Tgt Ion: 91 Resp: 216671
Ion Ratio Lower Upper
91 100
126 35.4 17.5 52.5





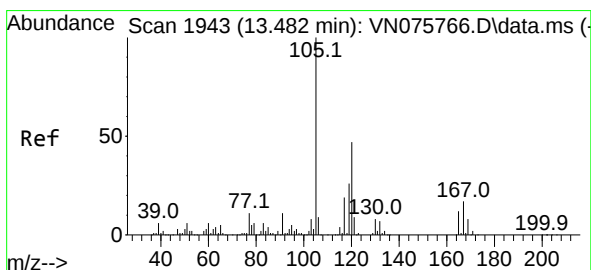
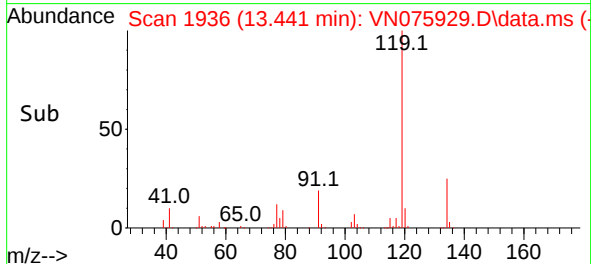
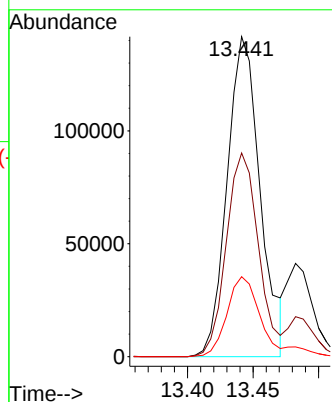
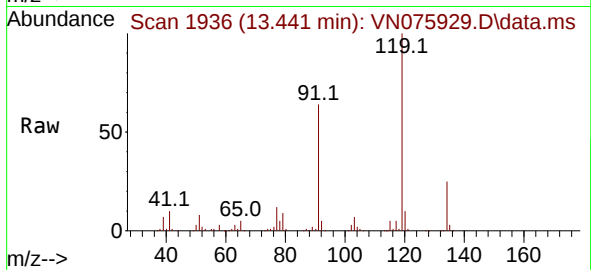
#83
tert-Butylbenzene
Concen: 21.727 ug/l
RT: 13.441 min Scan# 1936
Delta R.T. 0.000 min
Lab File: VN075929.D
Acq: 21 Dec 2022 19:05

Instrument :
MSVOA_N
ClientSampleId :
VN1221MBSD01

Tgt Ion:119 Resp: 247993
Ion Ratio Lower Upper
119 100
91 62.3 31.9 95.5
134 26.7 13.8 41.4

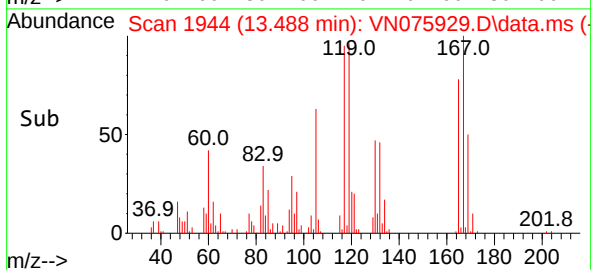
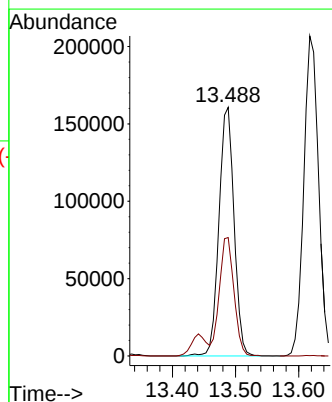
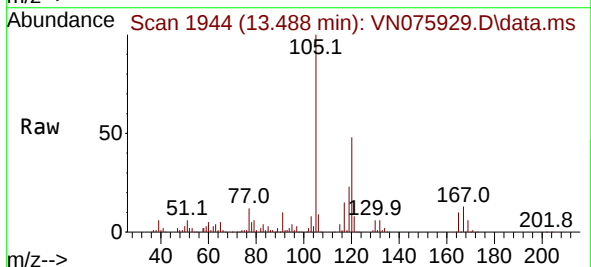
Manual Integrations
APPROVED

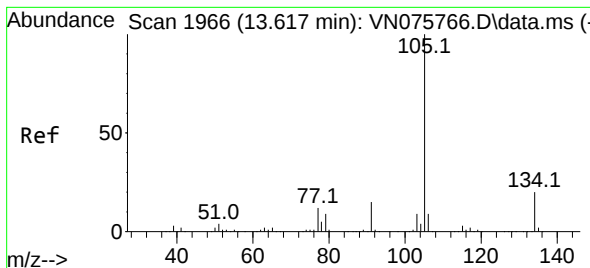
Reviewed By :John Carlone 12/22/2022
Supervised By :Mahesh Dadoda 12/22/2022



#84
1,2,4-Trimethylbenzene
Concen: 20.797 ug/l
RT: 13.488 min Scan# 1944
Delta R.T. 0.006 min
Lab File: VN075929.D
Acq: 21 Dec 2022 19:05

Tgt Ion:105 Resp: 267083
Ion Ratio Lower Upper
105 100
120 46.2 23.3 69.8





#85

sec-Butylbenzene

Concen: 21.245 ug/l

RT: 13.618 min Scan# 1966

Delta R.T. 0.000 min

Lab File: VN075929.D

Acq: 21 Dec 2022 19:05

Instrument :

MSVOA_N

ClientSampleId :

VN1221MBSD01

Tgt Ion:105 Resp: 334684

Ion Ratio Lower Upper

105 100

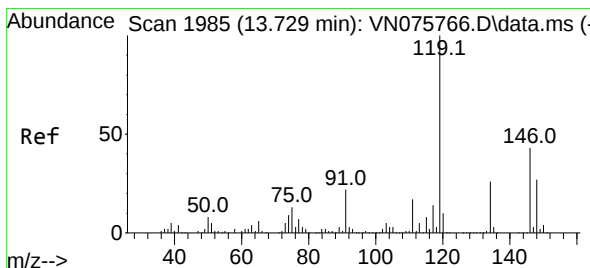
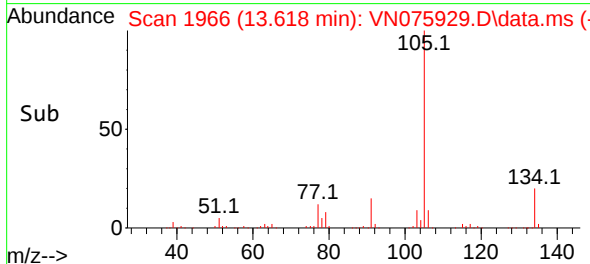
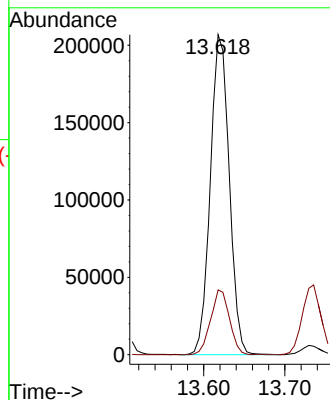
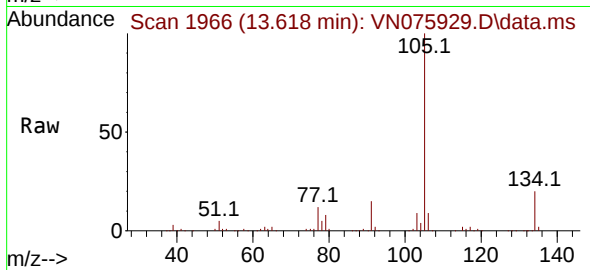
134 20.1 10.1 30.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/22/2022

Supervised By :Mahesh Dadoda 12/22/2022



#86

p-Isopropyltoluene

Concen: 20.816 ug/l

RT: 13.735 min Scan# 1986

Delta R.T. 0.006 min

Lab File: VN075929.D

Acq: 21 Dec 2022 19:05

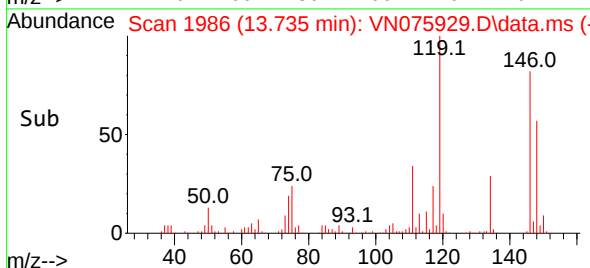
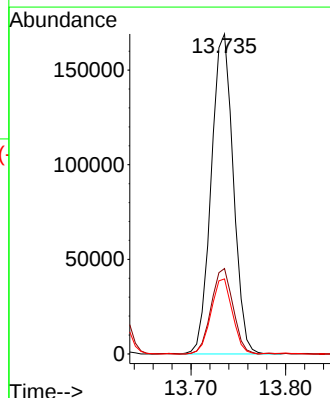
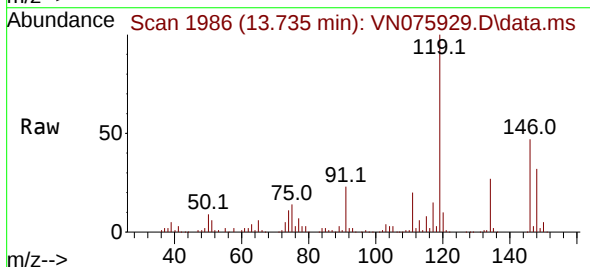
Tgt Ion:119 Resp: 272870

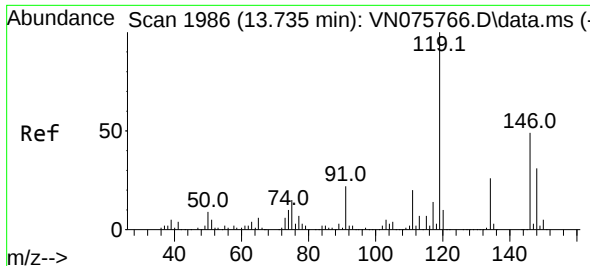
Ion Ratio Lower Upper

119 100

134 26.5 13.0 39.0

91 22.8 11.2 33.6





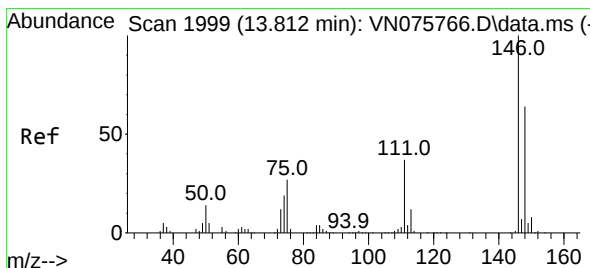
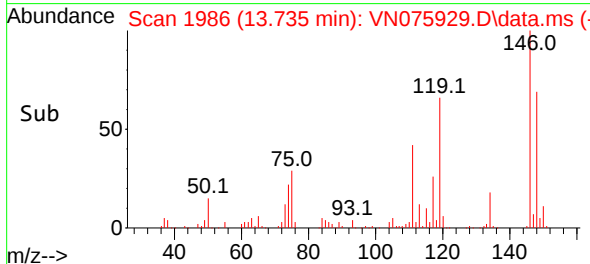
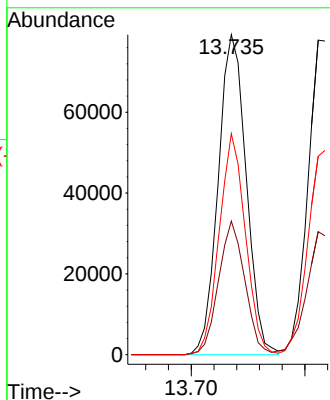
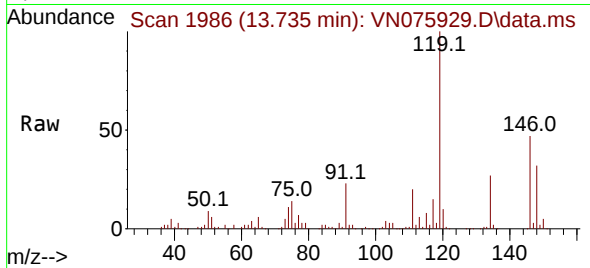
#87
1,3-Dichlorobenzene
Concen: 18.755 ug/l
RT: 13.735 min Scan# 1986
Delta R.T. 0.000 min
Lab File: VN075929.D
Acq: 21 Dec 2022 19:05

Instrument :
MSVOA_N
ClientSampleId :
VN1221MBSD01

Tgt Ion:146 Resp: 135612
Ion Ratio Lower Upper
146 100
111 39.2 19.7 59.0
148 64.6 31.4 94.2

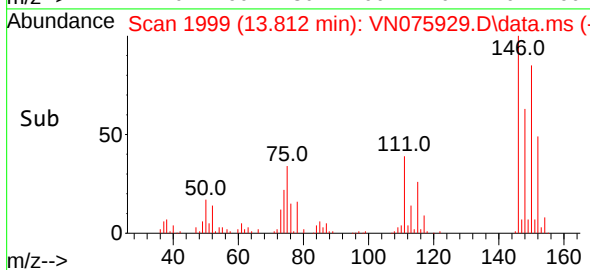
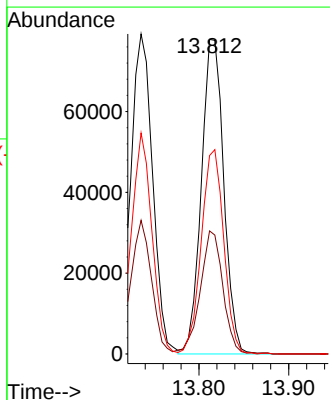
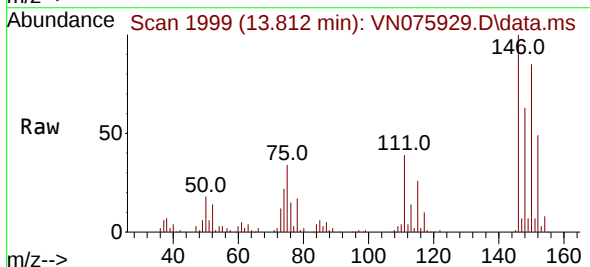
Manual Integrations
APPROVED

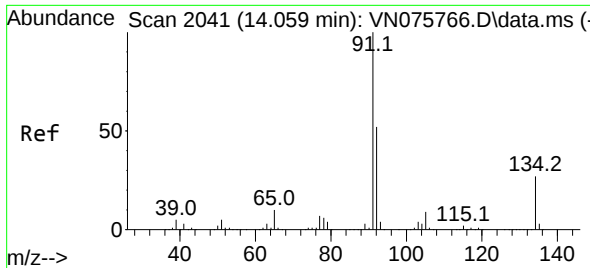
Reviewed By :John Carlone 12/22/2022
Supervised By :Mahesh Dadoda 12/22/2022



#88
1,4-Dichlorobenzene
Concen: 18.302 ug/l
RT: 13.812 min Scan# 1999
Delta R.T. 0.000 min
Lab File: VN075929.D
Acq: 21 Dec 2022 19:05

Tgt Ion:146 Resp: 135194
Ion Ratio Lower Upper
146 100
111 39.7 19.1 57.1
148 65.2 32.0 96.2





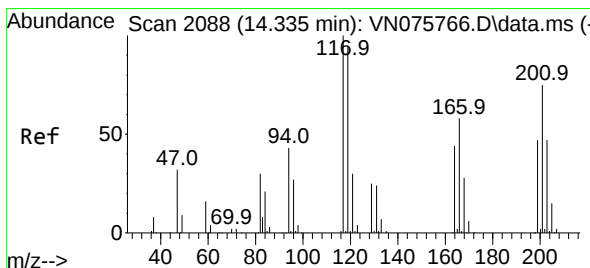
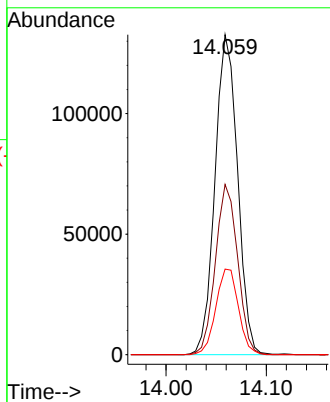
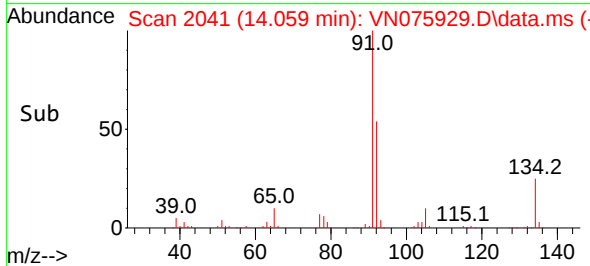
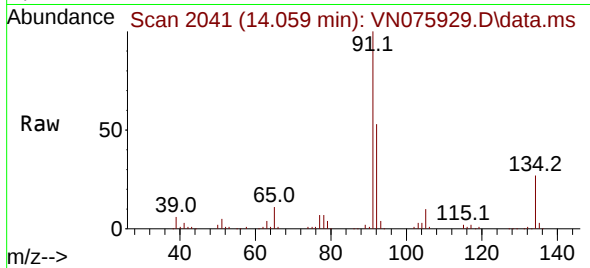
#89
n-Butylbenzene
Concen: 19.563 ug/l
RT: 14.059 min Scan# 2041
Delta R.T. 0.000 min
Lab File: VN075929.D
Acq: 21 Dec 2022 19:05

Instrument :
MSVOA_N
ClientSampleId :
VN1221MBSD01

Tgt Ion: 91 Resp: 207740
Ion Ratio Lower Upper
91 100
92 52.4 26.4 79.2
134 26.8 13.4 40.2

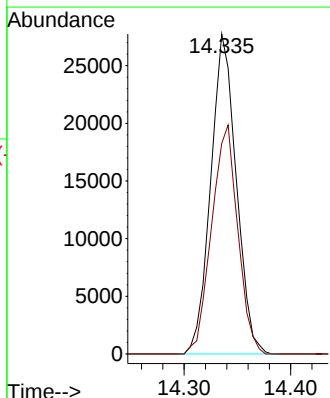
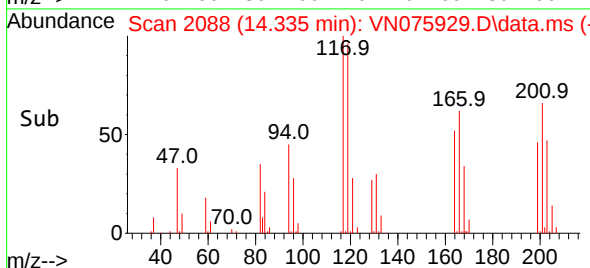
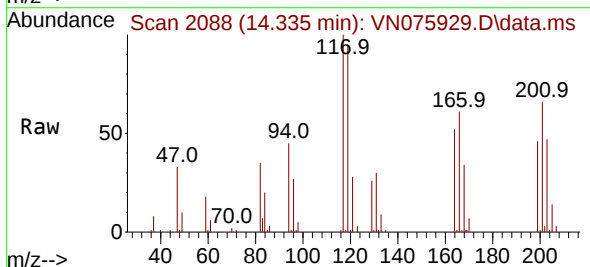
Manual Integrations
APPROVED

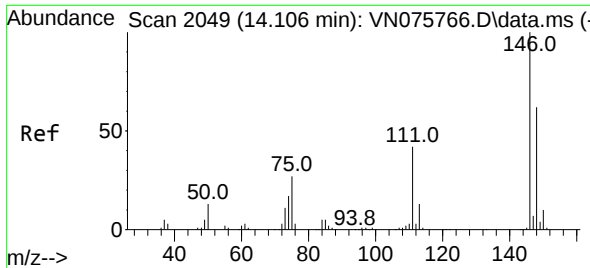
Reviewed By :John Carlone 12/22/2022
Supervised By :Mahesh Dadoda 12/22/2022



#90
Hexachloroethane
Concen: 19.714 ug/l
RT: 14.335 min Scan# 2088
Delta R.T. 0.000 min
Lab File: VN075929.D
Acq: 21 Dec 2022 19:05

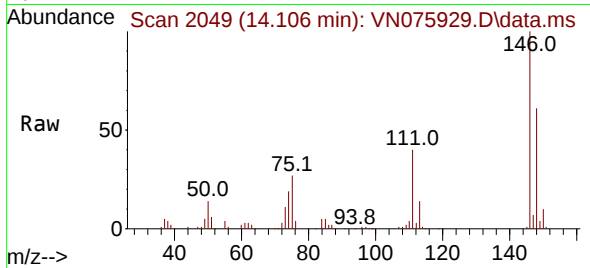
Tgt Ion:117 Resp: 46225
Ion Ratio Lower Upper
117 100
201 73.2 38.0 114.1





#91
1,2-Dichlorobenzene
Concen: 19.493 ug/l
RT: 14.106 min Scan# 2049
Delta R.T. 0.000 min
Lab File: VN075929.D
Acq: 21 Dec 2022 19:05

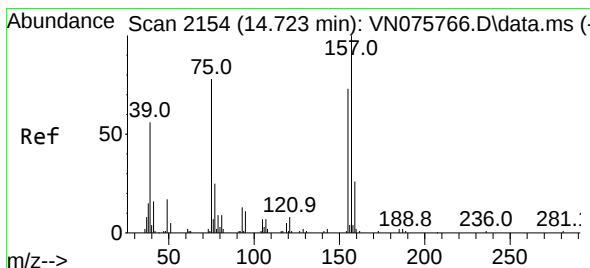
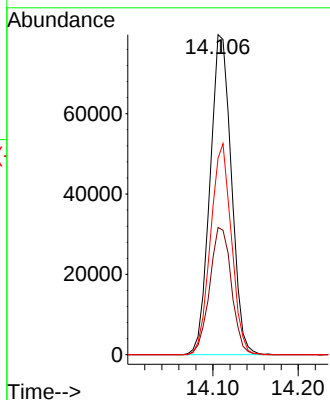
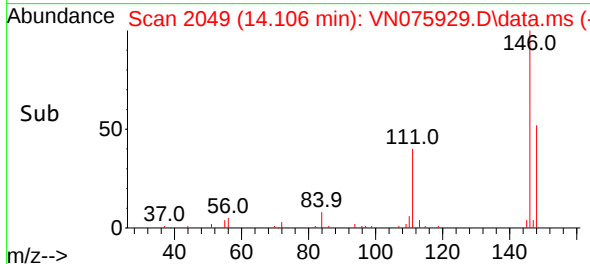
Instrument :
MSVOA_N
ClientSampleId :
VN1221MBSD01



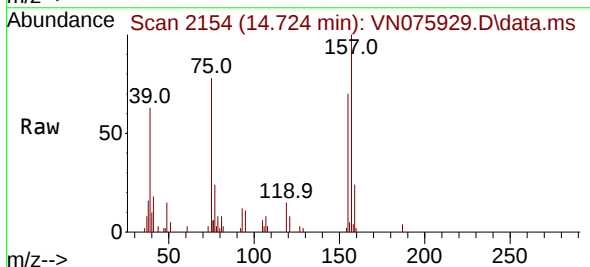
Tgt Ion:146 Resp: 13883
Ion Ratio Lower Upper
146 100
111 40.6 20.3 61.0
148 64.4 31.7 95.1

Manual Integrations
APPROVED

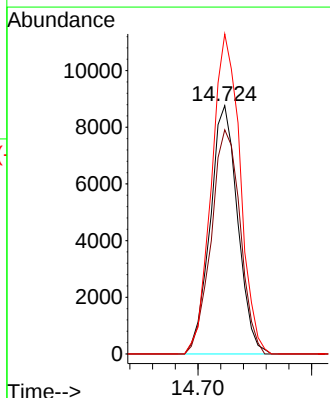
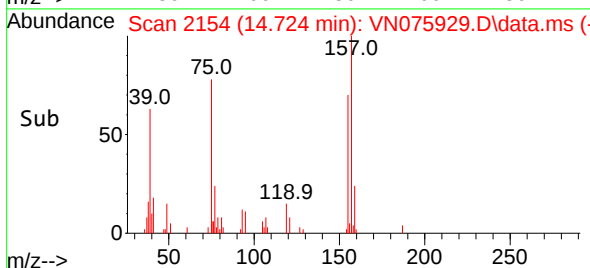
Reviewed By :John Carlone 12/22/2022
Supervised By :Mahesh Dadoda 12/22/2022

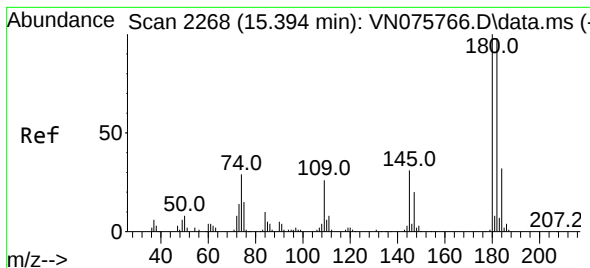


#92
1,2-Dibromo-3-Chloropropane
Concen: 17.374 ug/l
RT: 14.724 min Scan# 2154
Delta R.T. 0.000 min
Lab File: VN075929.D
Acq: 21 Dec 2022 19:05



Tgt Ion: 75 Resp: 14741
Ion Ratio Lower Upper
75 100
155 94.9 49.3 147.8
157 133.4 63.7 191.3





#93

1,2,4-Trichlorobenzene

Concen: 18.335 ug/l

RT: 15.394 min Scan# 21

Delta R.T. 0.000 min

Lab File: VN075929.D

Acq: 21 Dec 2022 19:05

Instrument :

MSVOA_N

ClientSampleId :

VN1221MBS01

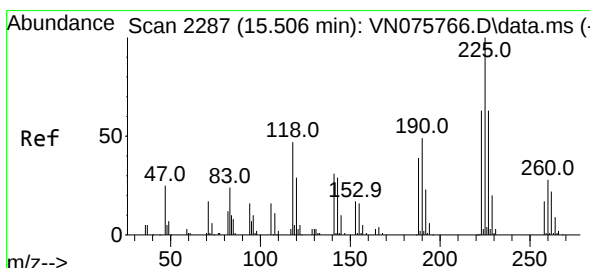
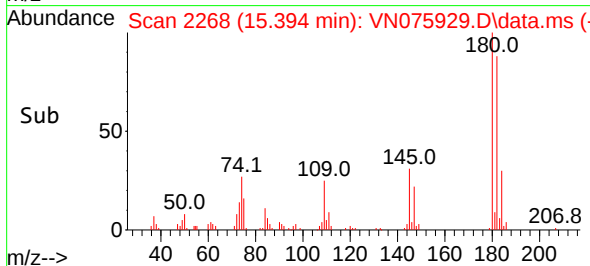
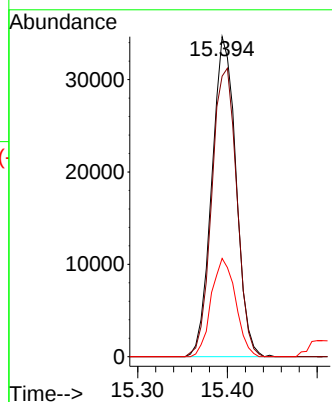
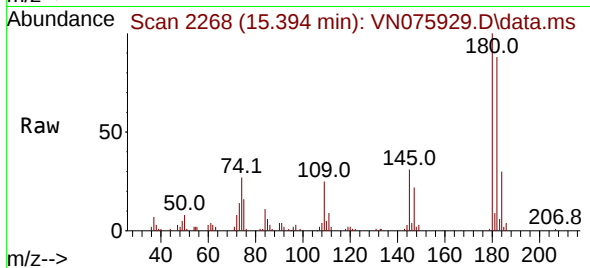
Tgt Ion:	180	Resp:	6465
Ion Ratio	Lower	Upper	
180	100		
182	93.1	47.5	142.5
145	31.0	15.3	45.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/22/2022

Supervised By :Mahesh Dadoda 12/22/2022



#94

Hexachlorobutadiene

Concen: 18.513 ug/l

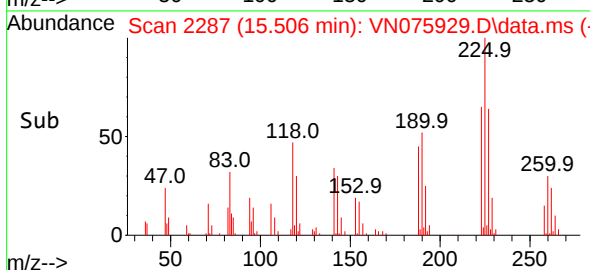
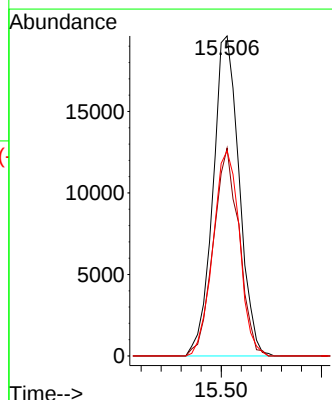
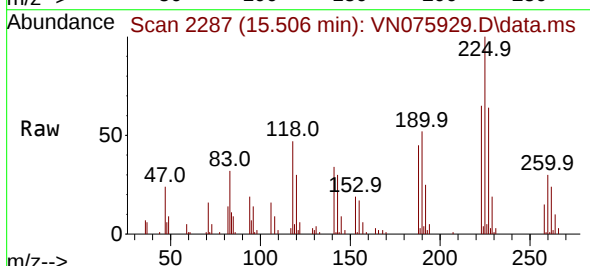
RT: 15.506 min Scan# 2287

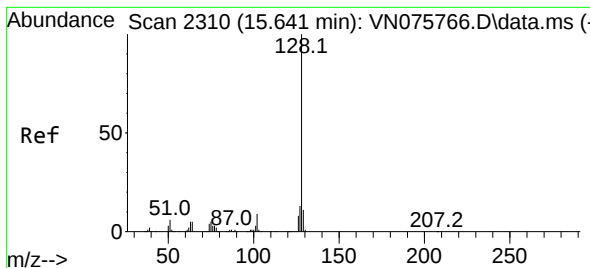
Delta R.T. 0.000 min

Lab File: VN075929.D

Acq: 21 Dec 2022 19:05

Tgt Ion:	225	Resp:	35615
Ion Ratio	Lower	Upper	
225	100		
223	63.9	31.5	94.5
227	64.9	31.6	95.0





#95

Naphthalene

Concen: 17.509 ug/l

RT: 15.647 min Scan# 2310

Delta R.T. 0.006 min

Lab File: VN075929.D

Acq: 21 Dec 2022 19:05

Instrument :

MSVOA_N

ClientSampleId :

VN1221MBSD01

Tgt Ion:128 Resp: 18672

Ion Ratio Lower Upper

128 100

127 12.8 10.4 15.6

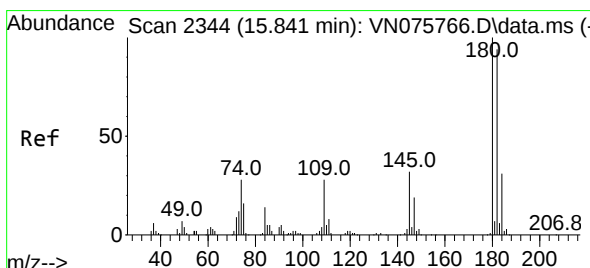
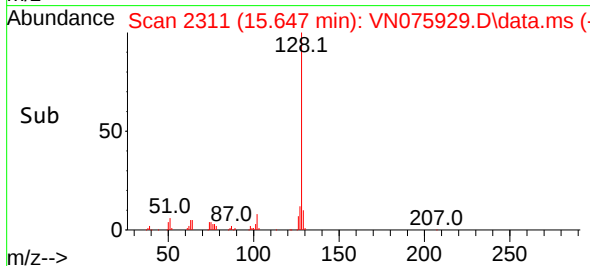
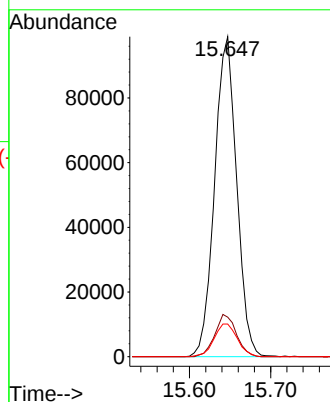
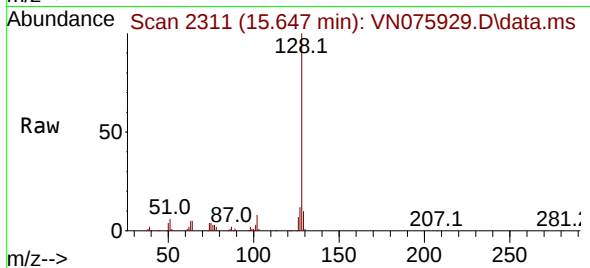
129 10.8 8.7 13.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/22/2022

Supervised By :Mahesh Dadoda 12/22/2022



#96

1,2,3-Trichlorobenzene

Concen: 18.502 ug/l

RT: 15.841 min Scan# 2344

Delta R.T. 0.000 min

Lab File: VN075929.D

Acq: 21 Dec 2022 19:05

Tgt Ion:180 Resp: 60977

Ion Ratio Lower Upper

180 100

182 95.9 47.0 141.0

145 33.0 16.0 47.9

