

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121622\
 Data File : VN075861.D
 Acq On : 16 Dec 2022 20:38
 Operator : JC\MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 12/19/2022
 Supervised By : Mahesh Dadoda 12/19/2022

Quant Time: Dec 17 08:44:59 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	337256	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	541534	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	477068	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	238287	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	188098	51.266	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 102.540%			
35) Dibromofluoromethane	8.177	113	170921	50.966	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 101.940%			
50) Toluene-d8	10.571	98	646849	51.587	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 103.180%			
62) 4-Bromofluorobenzene	12.853	95	223589	53.838	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 107.680%			
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	2.142	85	108607	45.354	ug/l	98
3) Chloromethane	2.377	50	127193	42.715	ug/l	98
4) Vinyl Chloride	2.530	62	159476	44.898	ug/l	92
5) Bromomethane	2.948	94	132567	43.916	ug/l	97
6) Chloroethane	3.124	64	121214	46.083	ug/l	96
7) Trichlorofluoromethane	3.506	101	247294	45.883	ug/l	98
8) Diethyl Ether	3.971	74	95941	48.737	ug/l	99
9) 1,1,2-Trichlorotrifluo...	4.383	101	145858	47.393	ug/l	100
10) Methyl Iodide	4.600	142	235947	47.240	ug/l	99
11) Tert butyl alcohol	5.536	59	126116	242.922	ug/l	99
12) 1,1-Dichloroethene	4.353	96	138722	46.410	ug/l	99
13) Acrolein	4.189	56	188792	296.620	ug/l	99
14) Allyl chloride	5.042	41	169132	48.404	ug/l	92
15) Acrylonitrile	5.736	53	353991	249.858	ug/l	99
16) Acetone	4.442	43	264584	209.193	ug/l	97
17) Carbon Disulfide	4.724	76	324193	44.796	ug/l	100
18) Methyl Acetate	5.036	43	184954	49.471	ug/l	98
19) Methyl tert-butyl Ether	5.806	73	499554	50.751	ug/l	97
20) Methylene Chloride	5.295	84	163143	48.195	ug/l	95
21) trans-1,2-Dichloroethene	5.800	96	150913	46.101	ug/l	98
22) Diisopropyl ether	6.683	45	429592	50.610	ug/l	98
23) Vinyl Acetate	6.612	43	1484235	259.788	ug/l	98
24) 1,1-Dichloroethane	6.577	63	272551	48.145	ug/l	100
25) 2-Butanone	7.489	43	447838	252.883	ug/l	96
26) 2,2-Dichloropropane	7.500	77	220104	45.912	ug/l	97
27) cis-1,2-Dichloroethene	7.494	96	187587	47.914	ug/l	97
28) Bromochloromethane	7.824	49	110457	44.517	ug/l	100
29) Tetrahydrofuran	7.847	42	289836	261.162	ug/l	99
30) Chloroform	7.971	83	301192	47.255	ug/l	95
31) Cyclohexane	8.265	56	241600	45.978	ug/l	94
32) 1,1,1-Trichloroethane	8.177	97	276385	48.912	ug/l	97
36) 1,1-Dichloropropene	8.377	75	217030	48.716	ug/l	99
37) Ethyl Acetate	7.571	43	182798	51.083	ug/l	97
38) Carbon Tetrachloride	8.371	117	244214	48.979	ug/l	97
39) Methylcyclohexane	9.606	83	281002	52.283	ug/l	97
40) Benzene	8.612	78	660078	48.022	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.788	41	98176	52.782	ug/l	98
42) 1,2-Dichloroethane	8.677	62	216980	47.483	ug/l	100
43) Isopropyl Acetate	8.694	43	312523	52.944	ug/l	99
44) Trichloroethene	9.359	130	180091	46.508	ug/l	96
45) 1,2-Dichloropropane	9.624	63	161053	48.150	ug/l	99
46) Dibromomethane	9.712	93	119864	48.316	ug/l	98
47) Bromodichloromethane	9.894	83	239444	49.217	ug/l	98
48) Methyl methacrylate	9.688	41	143841	54.103	ug/l	98
49) 1,4-Dioxane	9.700	88	66466	1016.915	ug/l #	88
51) 4-Methyl-2-Pentanone	10.447	43	968337	271.256	ug/l	100
52) Toluene	10.635	92	443778	49.574	ug/l	99
53) t-1,3-Dichloropropene	10.841	75	245794	51.612	ug/l	100
54) cis-1,3-Dichloropropene	10.318	75	268869	51.421	ug/l	98
55) 1,1,2-Trichloroethane	11.018	97	177395	50.487	ug/l	98
56) Ethyl methacrylate	10.877	69	256149	54.884	ug/l	99
57) 1,3-Dichloropropane	11.165	76	288064	49.981	ug/l	100
58) 2-Chloroethyl Vinyl ether	10.165	63	453368	305.111	ug/l	99
59) 2-Hexanone	11.200	43	709078	272.370	ug/l	99
60) Dibromochloromethane	11.365	129	197208	50.469	ug/l	100
61) 1,2-Dibromoethane	11.471	107	179264	50.416	ug/l	100
64) Tetrachloroethene	11.106	164	155419	46.297	ug/l	99
65) Chlorobenzene	11.894	112	474923	48.502	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.965	131	182126	50.216	ug/l	99
67) Ethyl Benzene	11.965	91	859287	51.996	ug/l	100
68) m/p-Xylenes	12.076	106	682220	104.300	ug/l	99
69) o-Xylene	12.400	106	339284	52.416	ug/l	99
70) Styrene	12.412	104	553630	53.792	ug/l	99
71) Bromoform	12.582	173	145316	55.063	ug/l #	98
73) Isopropylbenzene	12.700	105	880087	51.109	ug/l	100
74) N-amyl acetate	12.494	43	280759	55.578	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.941	83	256812	48.243	ug/l	99
76) 1,2,3-Trichloropropane	13.000	75	221370m	46.087	ug/l	
77) Bromobenzene	12.982	156	208688	47.887	ug/l	99
78) n-propylbenzene	13.041	91	992169	52.241	ug/l	99
79) 2-Chlorotoluene	13.129	91	584058	49.264	ug/l	100
80) 1,3,5-Trimethylbenzene	13.176	105	748759	51.954	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.741	75	69047	51.743	ug/l	95
82) 4-Chlorotoluene	13.129	91	584058	49.264	ug/l	100
83) tert-Butylbenzene	13.441	119	689940	54.297	ug/l	98
84) 1,2,4-Trimethylbenzene	13.488	105	754203	52.752	ug/l	99
85) sec-Butylbenzene	13.618	105	947181	54.006	ug/l	100
86) p-Isopropyltoluene	13.735	119	803822	55.081	ug/l	100
87) 1,3-Dichlorobenzene	13.735	146	400569	49.761	ug/l	100
88) 1,4-Dichlorobenzene	13.818	146	390408	47.475	ug/l	99
89) n-Butylbenzene	14.059	91	647272	54.749	ug/l	99
90) Hexachloroethane	14.335	117	138739	53.147	ug/l	100
91) 1,2-Dichlorobenzene	14.112	146	397609	50.146	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.723	75	46018	48.719	ug/l	96
93) 1,2,4-Trichlorobenzene	15.400	180	198176	50.484	ug/l	100
94) Hexachlorobutadiene	15.506	225	104555	48.818	ug/l	99
95) Naphthalene	15.647	128	608642	47.066	ug/l	100
96) 1,2,3-Trichlorobenzene	15.847	180	191662	52.238	ug/l	99

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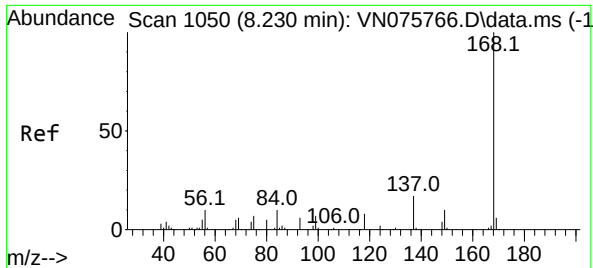
Manual Integrations
APPROVED

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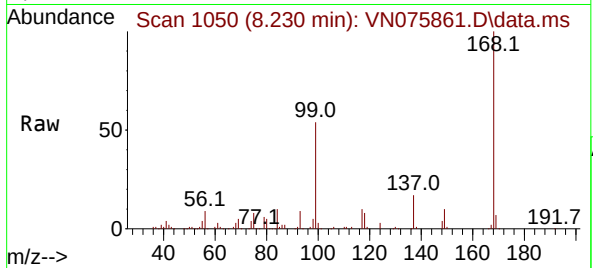
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 10
Delta R.T. -0.000 min
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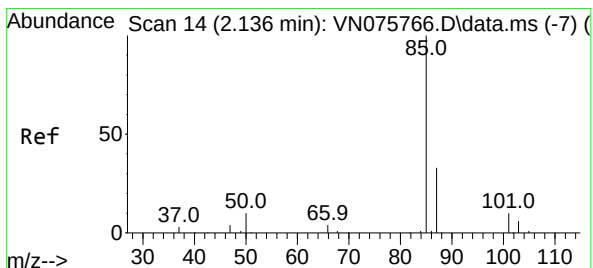
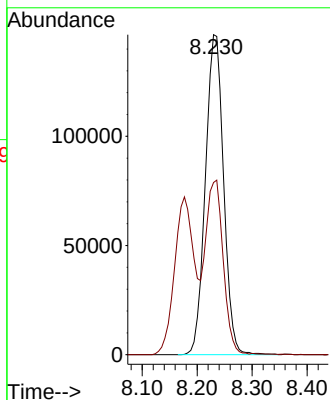
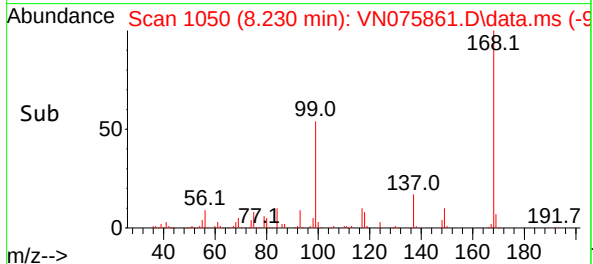
Instrument :
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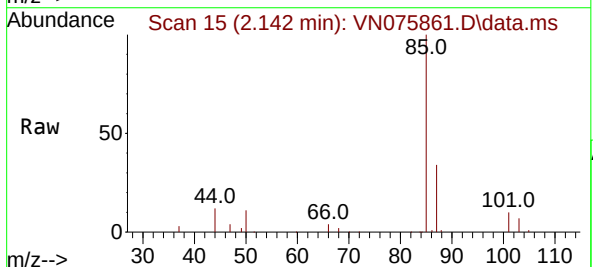
Tgt Ion:168 Resp: 337250
Ion Ratio Lower Upper
168 100
99 53.7 44.2 66.4

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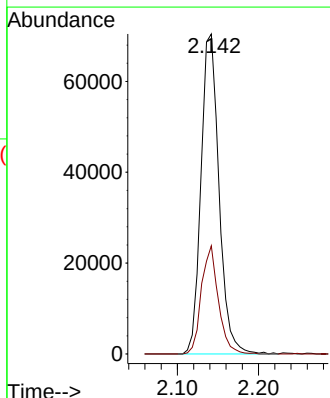
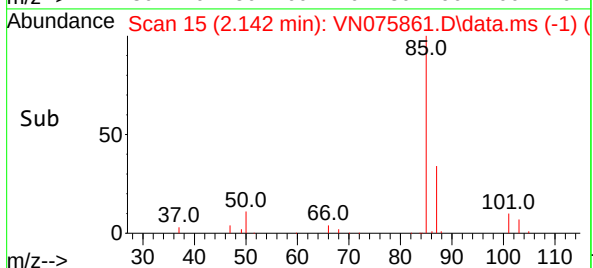
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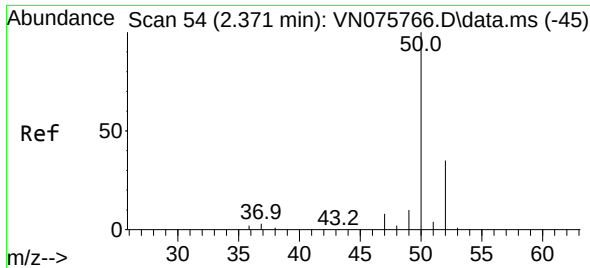


#2
Dichlorodifluoromethane
Concen: 45.354 ug/l
RT: 2.142 min Scan# 15
Delta R.T. 0.006 min
Lab File: VN075861.D
Acq: 16 Dec 2022 20:38



Tgt Ion: 85 Resp: 108607
Ion Ratio Lower Upper
85 100
87 33.8 16.3 48.9





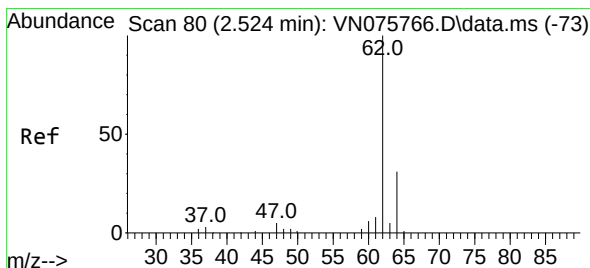
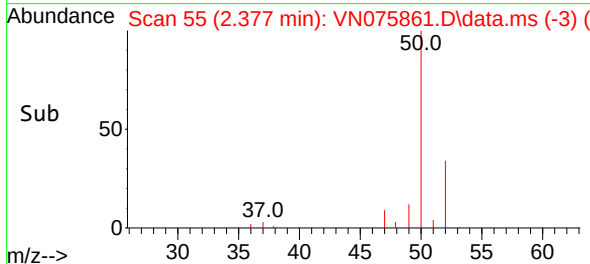
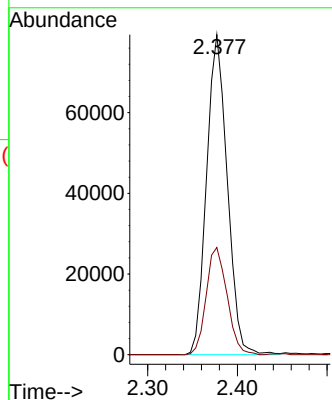
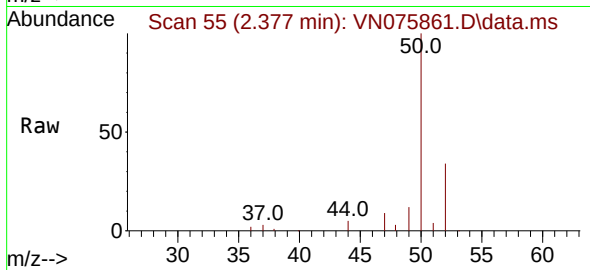
#3
Chloromethane
Concen: 42.715 ug/l
RT: 2.377 min Scan# 50
Delta R.T. 0.006 min
Lab File: VN075861.D
Acq: 16 Dec 2022 20:38

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Tgt Ion: 50 Resp: 127193
Ion Ratio Lower Upper
50 100
52 33.5 27.7 41.5

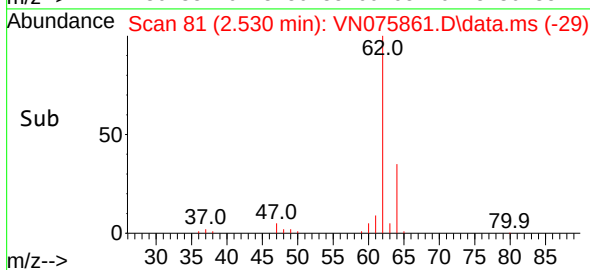
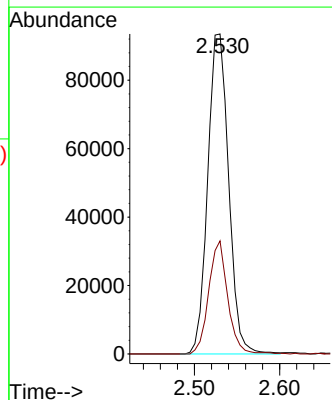
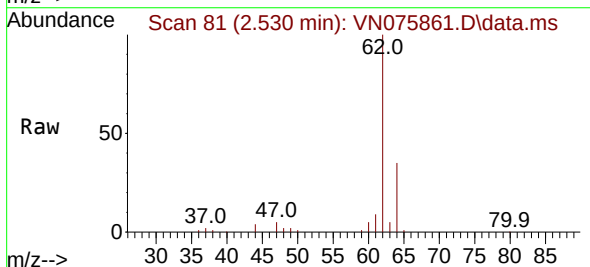
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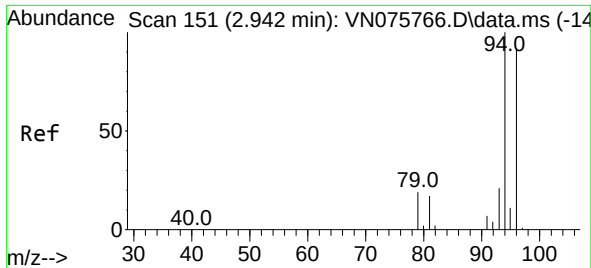
Reviewed By :John Carlone 12/19/2022
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#4
Vinyl Chloride
Concen: 44.898 ug/l
RT: 2.530 min Scan# 81
Delta R.T. 0.006 min
Lab File: VN075861.D
Acq: 16 Dec 2022 20:38

Tgt Ion: 62 Resp: 159476
Ion Ratio Lower Upper
62 100
64 35.4 24.9 37.3





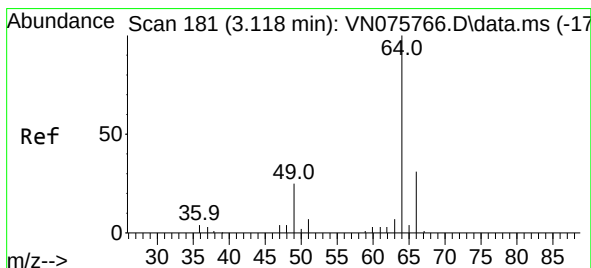
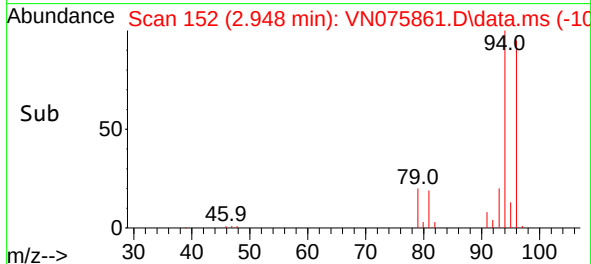
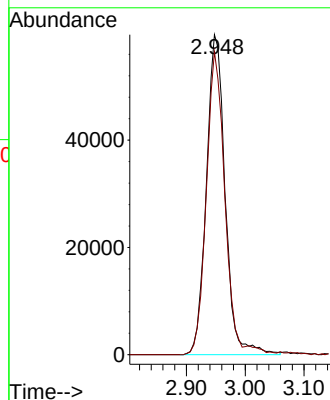
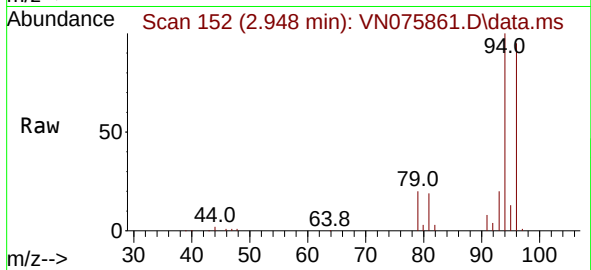
#5
Bromomethane
Concen: 43.916 ug/l
RT: 2.948 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN075861.D
Acq: 16 Dec 2022 20:38

Instrument :
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Tgt Ion: 94 Resp: 13256
Ion Ratio Lower Upper
94 100
96 94.7 73.8 110.6

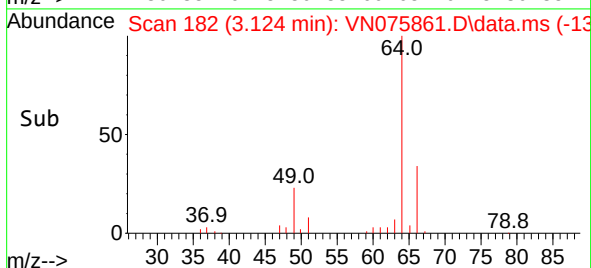
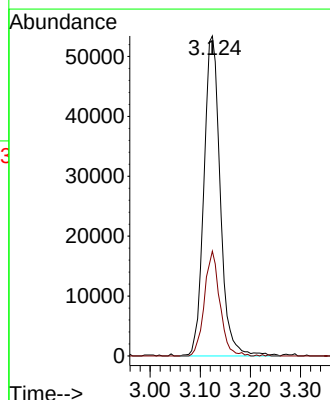
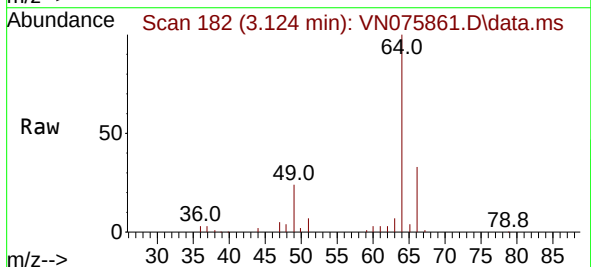
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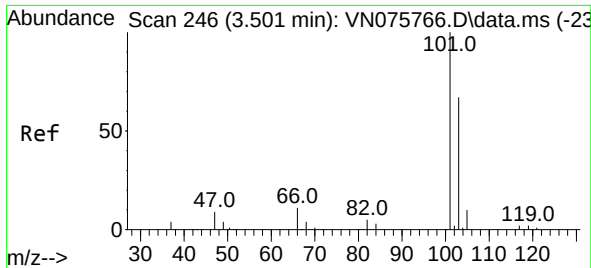
Reviewed By :John Carlone 12/19/2022
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#6
Chloroethane
Concen: 46.083 ug/l
RT: 3.124 min Scan# 182
Delta R.T. 0.006 min
Lab File: VN075861.D
Acq: 16 Dec 2022 20:38

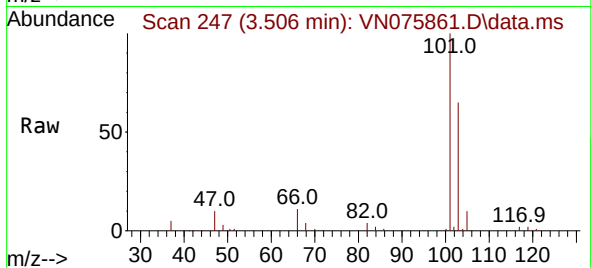
Tgt Ion: 64 Resp: 121214
Ion Ratio Lower Upper
64 100
66 32.8 24.6 36.8





#7
 Trichlorofluoromethane
 Concen: 45.883 ug/l
 RT: 3.506 min Scan# 246
 Delta R.T. 0.006 min
 Lab File: VN075861.D
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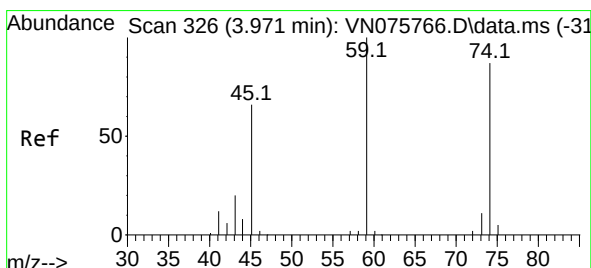
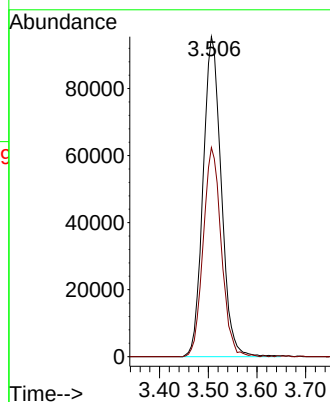
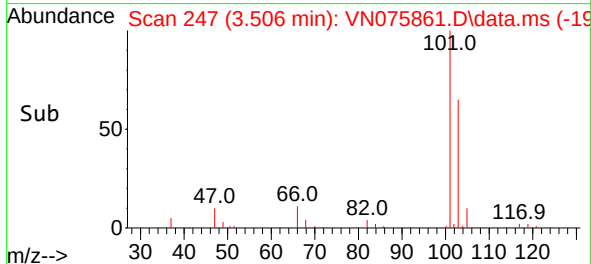
Instrument :
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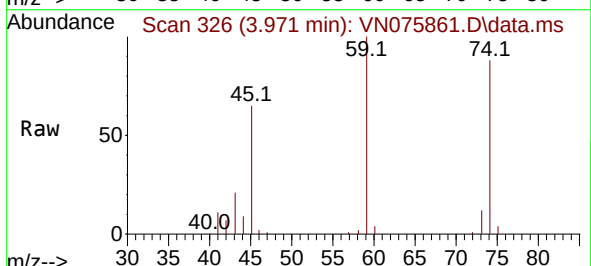
Tgt Ion:101 Resp: 247294
 Ion Ratio Lower Upper
 101 100
 103 65.4 53.4 80.2

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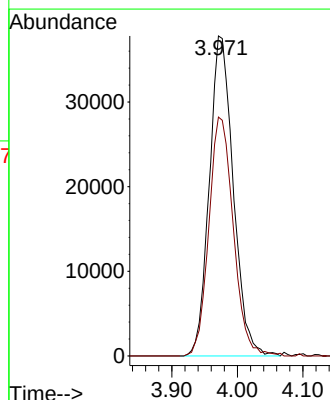
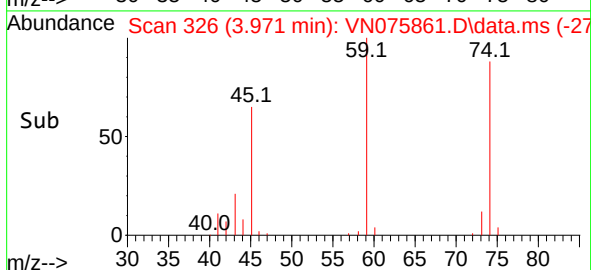
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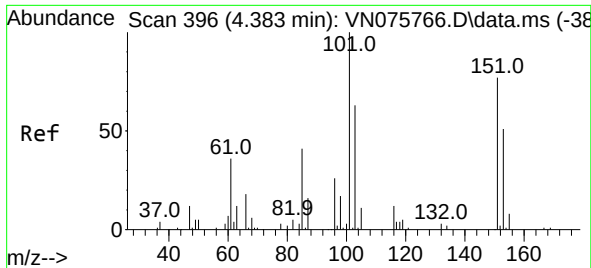


#8
 Diethyl Ether
 Concen: 48.737 ug/l
 RT: 3.971 min Scan# 326
 Delta R.T. 0.000 min
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Tgt Ion: 74 Resp: 95941
 Ion Ratio Lower Upper
 74 100
 45 76.2 37.8 113.4





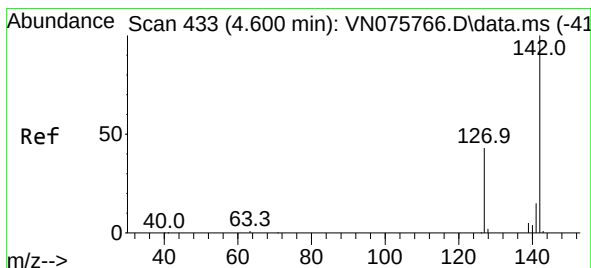
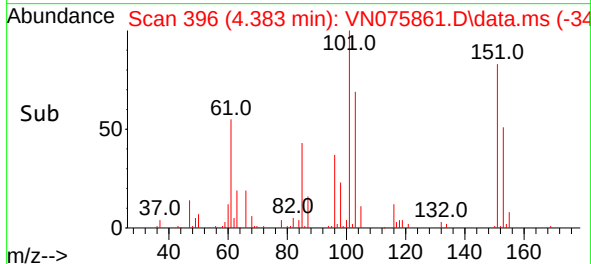
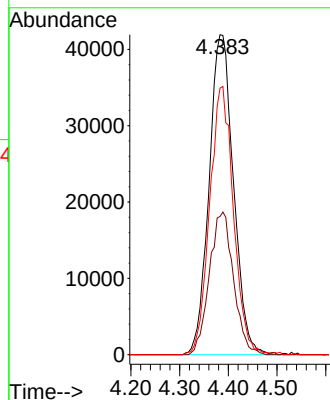
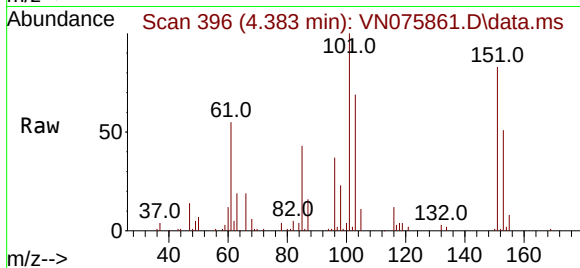
#9
1,1,2-Trichlorotrifluoroethane
Concen: 47.393 ug/l
RT: 4.383 min Scan# 396
Delta R.T. 0.000 min
Lab File: VN075861.D
Acq: 16 Dec 2022 20:38

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion:101 Resp: 14585
Ion Ratio Lower Upper
101 100
85 44.1 35.3 52.9
151 81.5 65.6 98.4

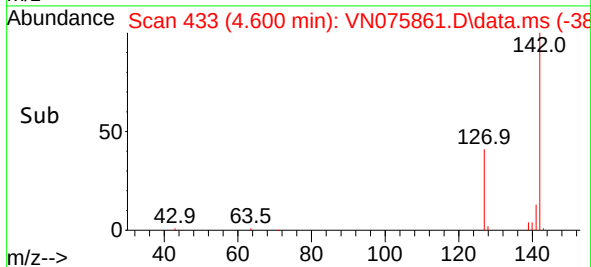
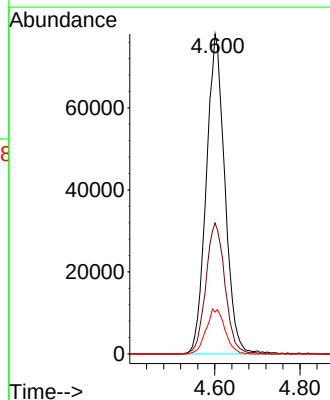
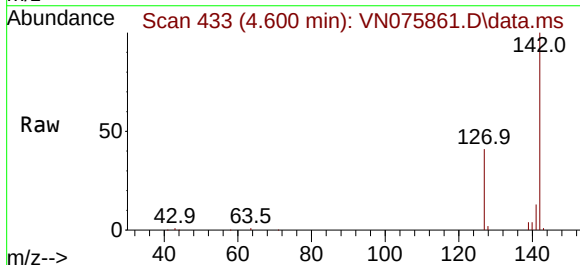
Manual Integrations
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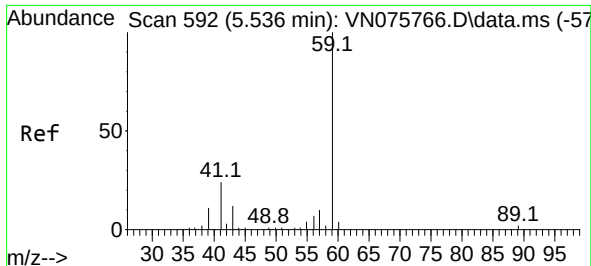
Reviewed By :John Carlone 12/19/2022
Supervised By :Mahesh Dadoda 12/19/2022



#10
Methyl Iodide
Concen: 47.240 ug/l
RT: 4.600 min Scan# 433
Delta R.T. 0.000 min
Lab File: VN075861.D
Acq: 16 Dec 2022 20:38

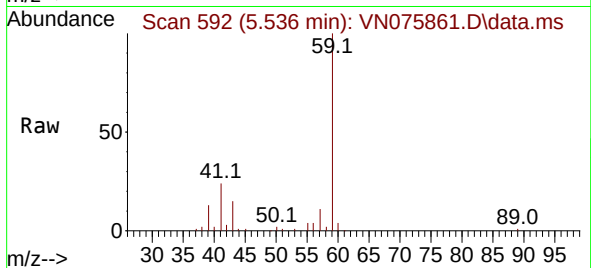
Tgt Ion:142 Resp: 235947
Ion Ratio Lower Upper
142 100
127 42.2 34.7 52.1
141 14.3 11.4 17.2





#11
Tert butyl alcohol
Concen: 242.922 ug/l
RT: 5.536 min Scan# 591
Delta R.T. 0.000 min
Lab File: VN075861.D
Acq: 16 Dec 2022 20:38

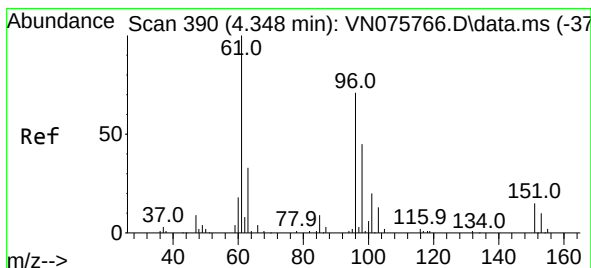
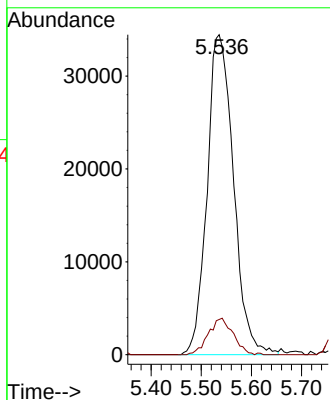
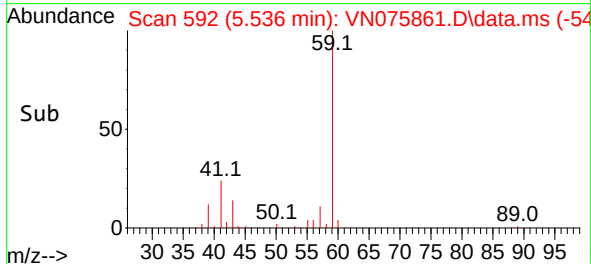
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC



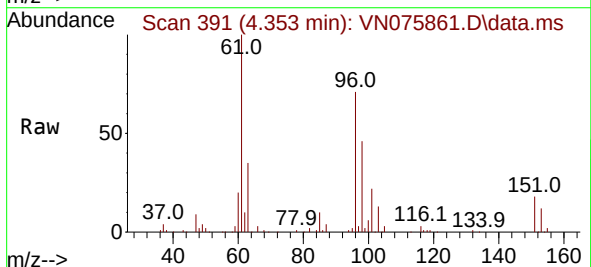
Tgt Ion: 59 Resp: 126110
Ion Ratio Lower Upper
59 100
57 10.7 8.2 12.4

Manual Integrations
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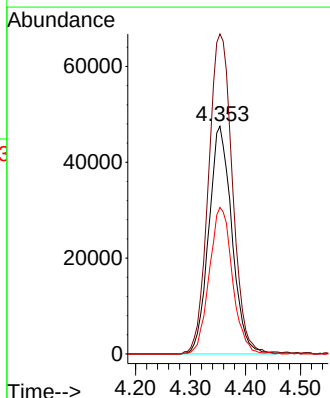
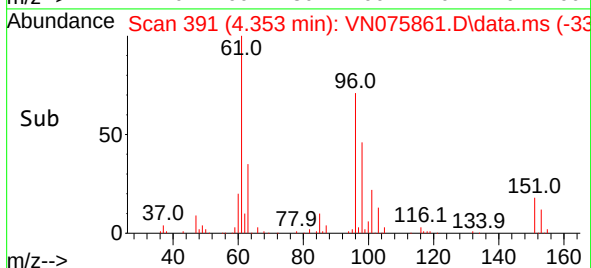
Reviewed By :John Carlone 12/19/2022
Supervised By :Mahesh Dadoda 12/19/2022

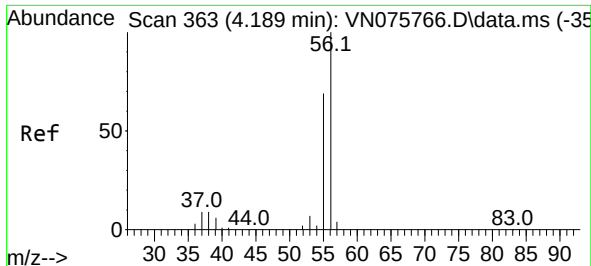


#12
1,1-Dichloroethene
Concen: 46.410 ug/l
RT: 4.353 min Scan# 391
Delta R.T. 0.006 min
Lab File: VN075861.D
Acq: 16 Dec 2022 20:38



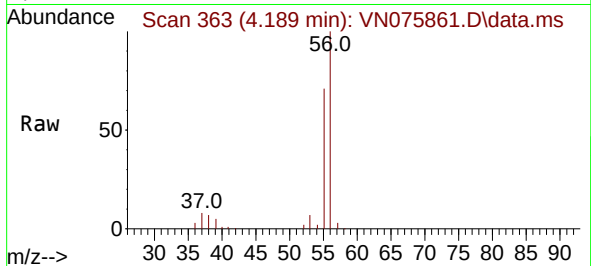
Tgt Ion: 96 Resp: 138722
Ion Ratio Lower Upper
96 100
61 140.6 113.3 169.9
98 64.4 50.9 76.3





#13
Acrolein
Concen: 296.620 ug/l
RT: 4.189 min Scan# 30
Delta R.T. 0.000 min
Lab File: VN075861.D
Acq: 16 Dec 2022 20:38

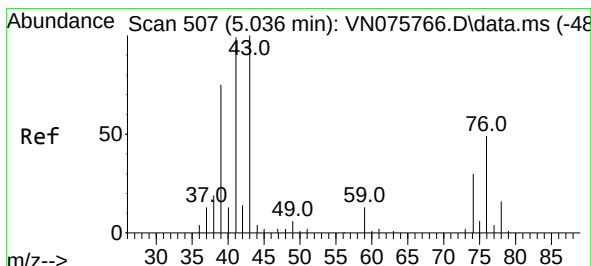
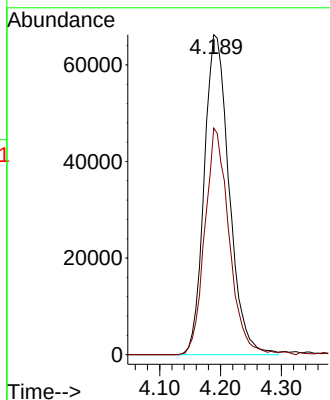
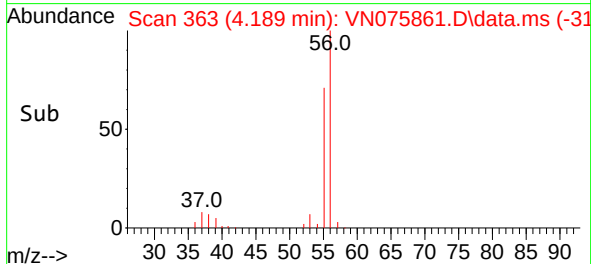
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC



Tgt Ion: 56 Resp: 188792
Ion Ratio Lower Upper
56 100
55 69.1 54.8 82.2

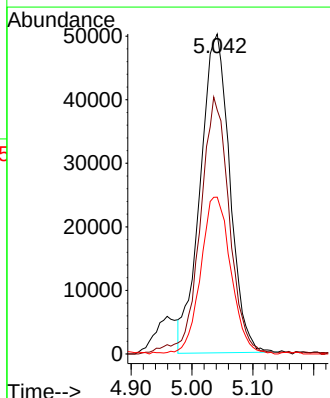
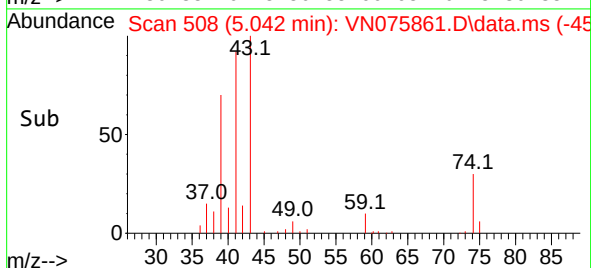
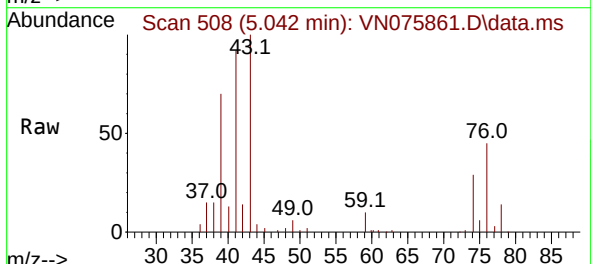
Manual Integrations
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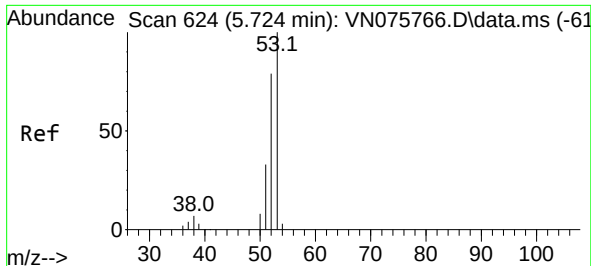
Reviewed By :John Carlone 12/19/2022
Supervised By :Mahesh Dadoda 12/19/2022



#14
Allyl chloride
Concen: 48.404 ug/l
RT: 5.042 min Scan# 508
Delta R.T. 0.006 min
Lab File: VN075861.D
Acq: 16 Dec 2022 20:38

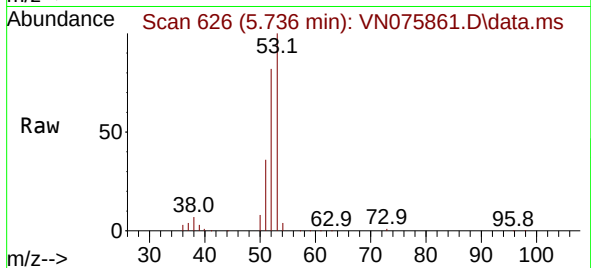
Tgt Ion: 41 Resp: 169132
Ion Ratio Lower Upper
41 100
39 79.8 58.3 87.5
76 50.2 35.8 53.6





#15
Acrylonitrile
Concen: 249.858 ug/l
RT: 5.736 min Scan# 61
Delta R.T. 0.012 min
Lab File: VN075861.D
Acq: 16 Dec 2022 20:38

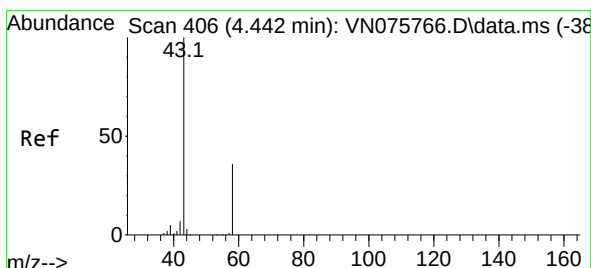
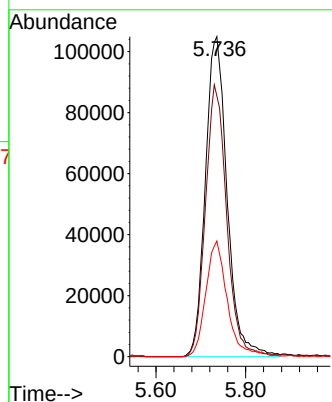
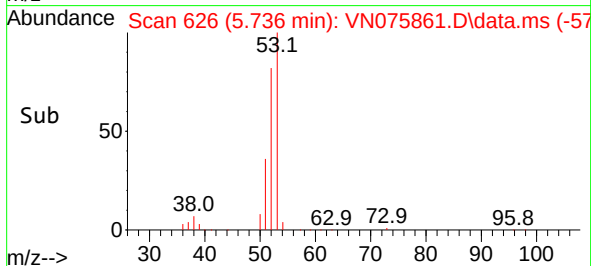
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC



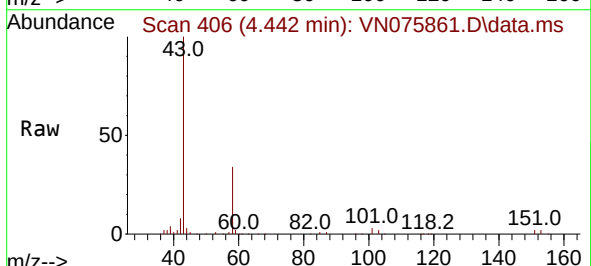
Tgt Ion: 53 Resp: 35399
Ion Ratio Lower Upper
53 100
52 83.2 65.4 98.0
51 35.8 28.9 43.3

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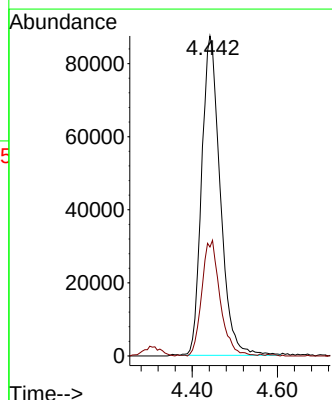
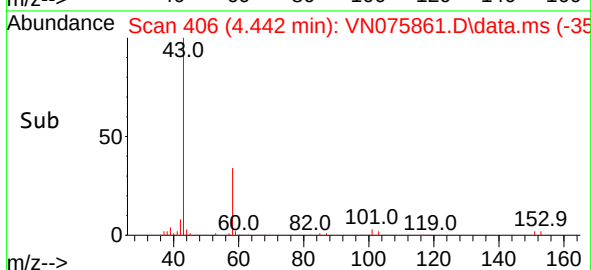
Reviewed By :John Carlone 12/19/2022
Supervised By :Mahesh Dadoda 12/19/2022

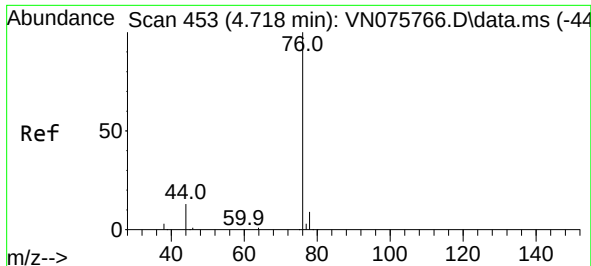


#16
Acetone
Concen: 209.193 ug/l
RT: 4.442 min Scan# 406
Delta R.T. 0.000 min
Lab File: VN075861.D
Acq: 16 Dec 2022 20:38



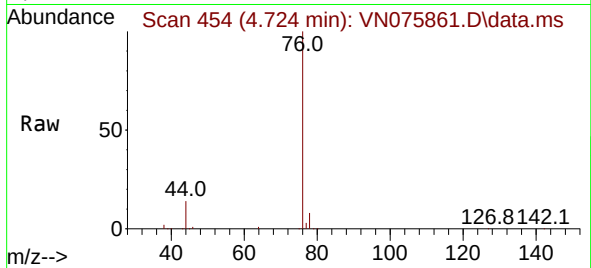
Tgt Ion: 43 Resp: 264584
Ion Ratio Lower Upper
43 100
58 34.1 28.6 43.0





#17
Carbon Disulfide
Concen: 44.796 ug/l
RT: 4.724 min Scan# 453
Delta R.T. 0.006 min
Lab File: VN075861.D
Acq: 16 Dec 2022 20:38

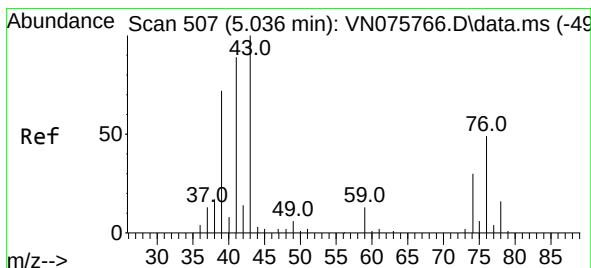
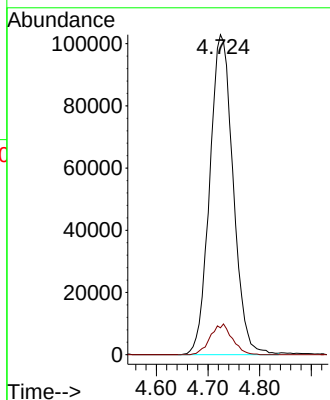
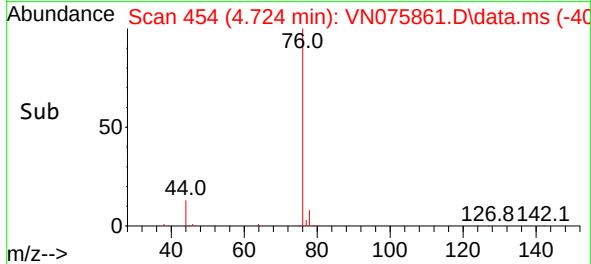
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC



Tgt Ion: 76 Resp: 32419
Ion Ratio Lower Upper
76 100
78 8.4 6.8 10.2

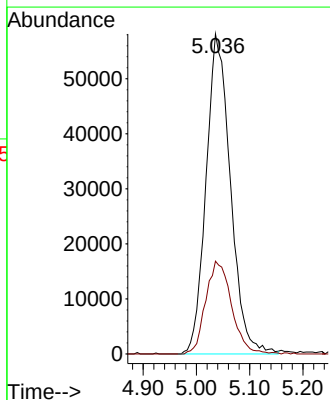
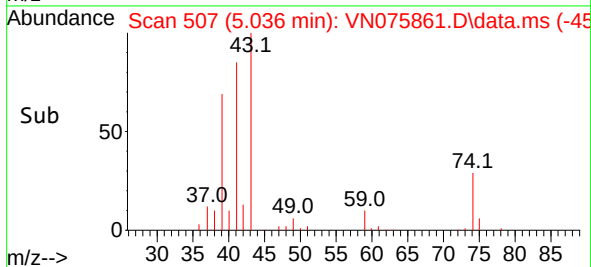
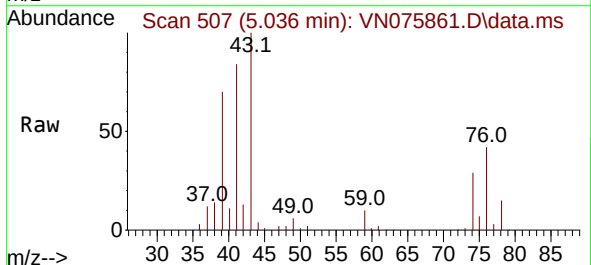
Manual Integrations
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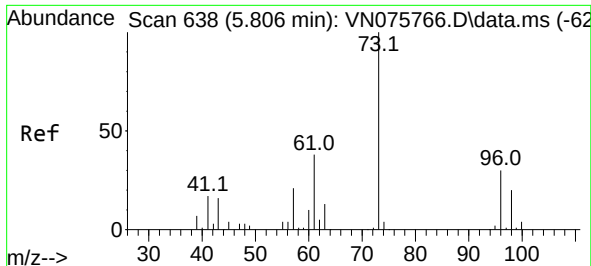
Reviewed By :John Carlone 12/19/2022
Supervised By :Mahesh Dadoda 12/19/2022



#18
Methyl Acetate
Concen: 49.471 ug/l
RT: 5.036 min Scan# 507
Delta R.T. 0.000 min
Lab File: VN075861.D
Acq: 16 Dec 2022 20:38

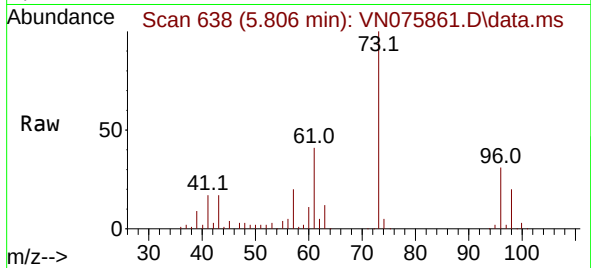
Tgt Ion: 43 Resp: 184954
Ion Ratio Lower Upper
43 100
74 30.7 23.6 35.4





#19
Methyl tert-butyl Ether
Concen: 50.751 ug/l
RT: 5.806 min Scan# 61
Delta R.T. 0.000 min
Lab File: VN075861.D
Acq: 16 Dec 2022 20:38

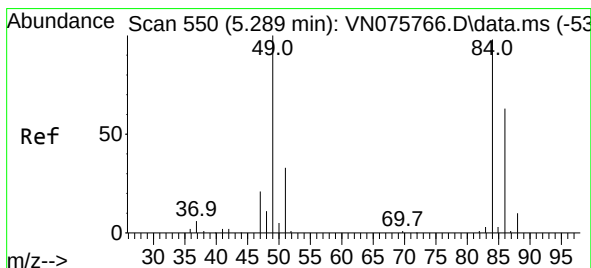
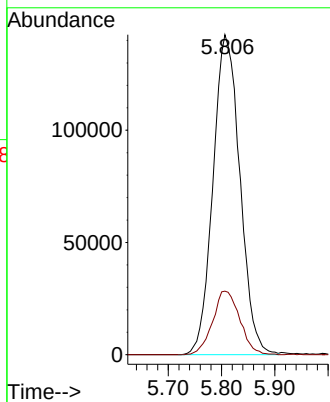
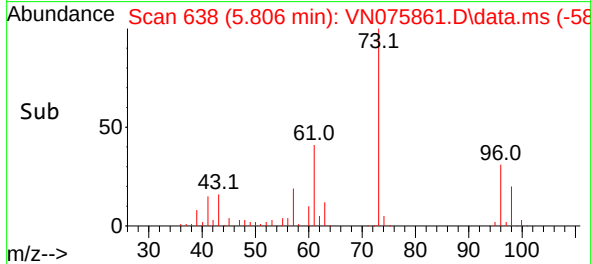
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC



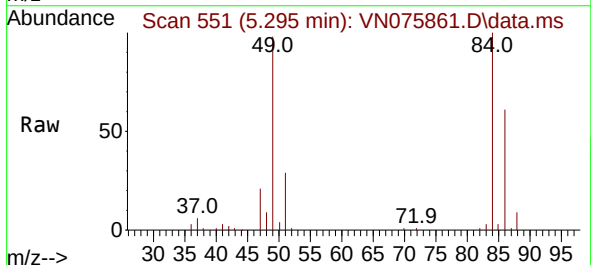
Tgt Ion: 73 Resp: 499554
Ion Ratio Lower Upper
73 100
57 19.9 17.1 25.7

Manual Integrations
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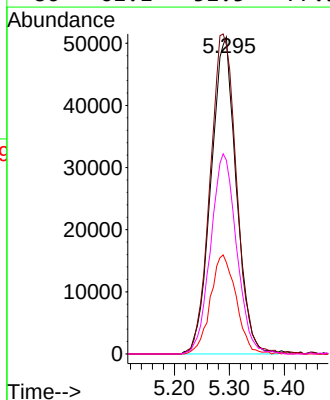
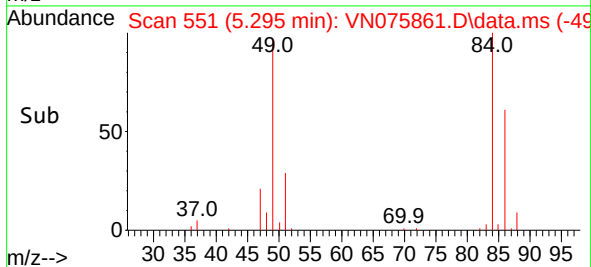
Reviewed By :John Carlone 12/19/2022
Supervised By :Mahesh Dadoda 12/19/2022

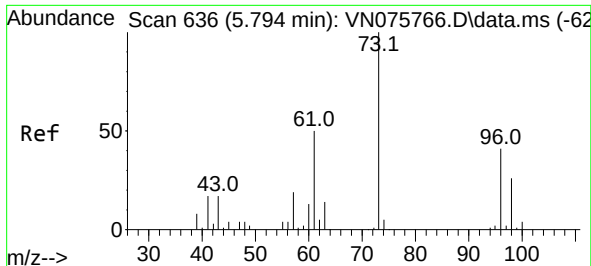


#20
Methylene Chloride
Concen: 48.195 ug/l
RT: 5.295 min Scan# 551
Delta R.T. 0.006 min
Lab File: VN075861.D
Acq: 16 Dec 2022 20:38



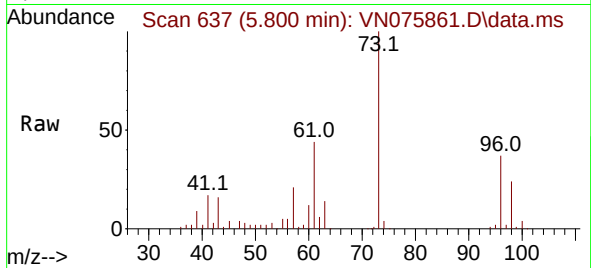
Tgt Ion: 84 Resp: 163143
Ion Ratio Lower Upper
84 100
49 97.5 81.8 122.6
51 28.9 26.7 40.1
86 61.1 51.5 77.3





#21
trans-1,2-Dichloroethene
Concen: 46.101 ug/l
RT: 5.800 min Scan# 61
Delta R.T. 0.006 min
Lab File: VN075861.D
Acq: 16 Dec 2022 20:38

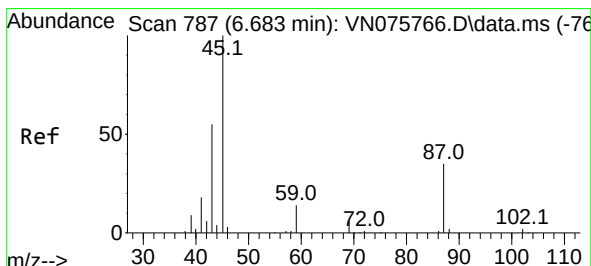
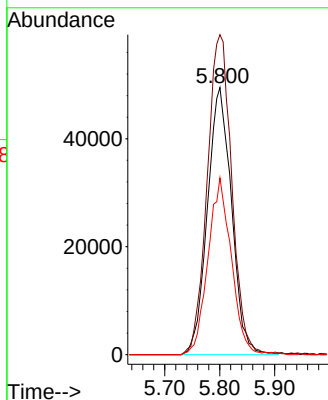
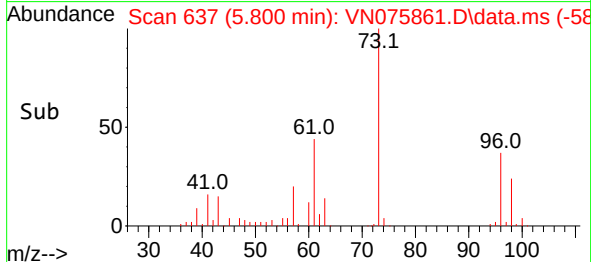
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC



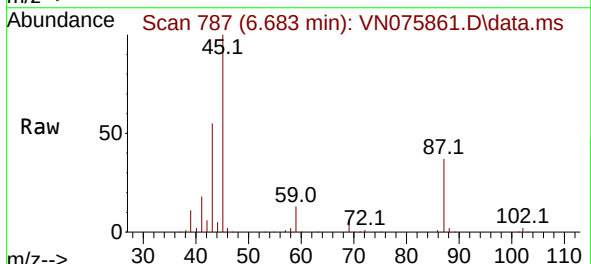
Tgt Ion: 96 Resp: 15091
Ion Ratio Lower Upper
96 100
61 119.7 98.1 147.1
98 66.2 51.4 77.2

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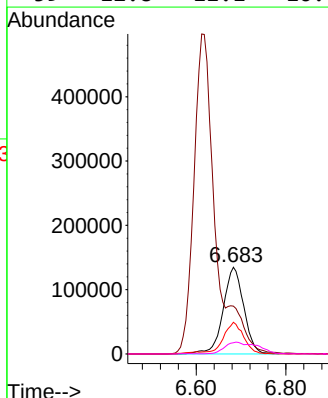
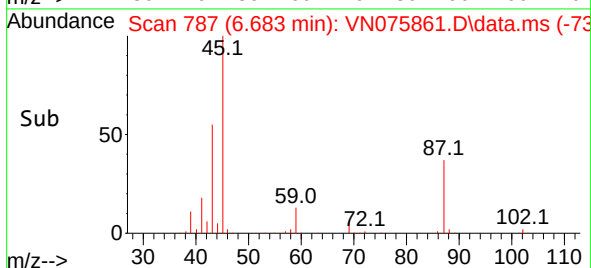
Reviewed By :John Carlone 12/19/2022
Supervised By :Mahesh Dadoda 12/19/2022

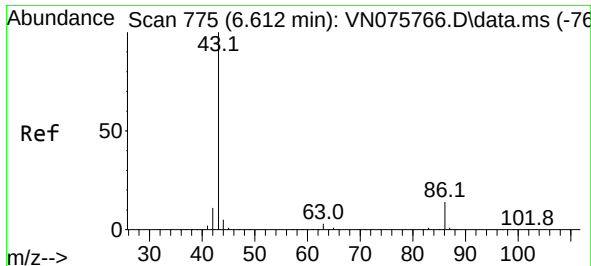


#22
Diisopropyl ether
Concen: 50.610 ug/l
RT: 6.683 min Scan# 787
Delta R.T. 0.000 min
Lab File: VN075861.D
Acq: 16 Dec 2022 20:38



Tgt Ion: 45 Resp: 429592
Ion Ratio Lower Upper
45 100
43 53.7 44.2 66.4
87 36.3 28.3 42.5
59 12.8 11.1 16.7





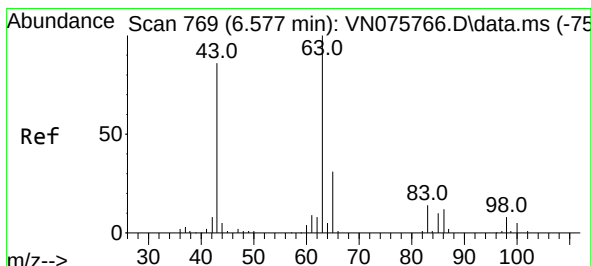
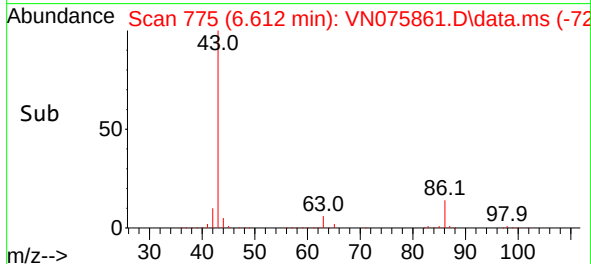
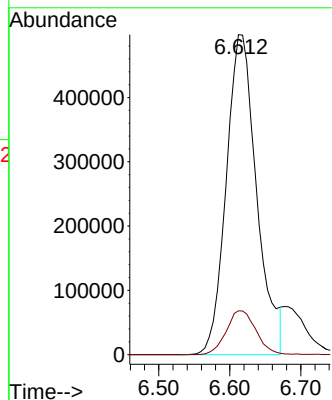
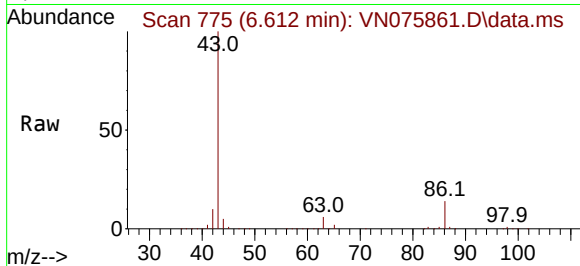
#23
 Vinyl Acetate
 Concen: 259.788 ug/l
 RT: 6.612 min Scan# 775
 Delta R.T. 0.000 min
 Lab File: VN075861.D
 Acq: 16 Dec 2022 20:38

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion: 43 Resp: 148423
 Ion Ratio Lower Upper
 43 100
 86 13.7 11.4 17.2

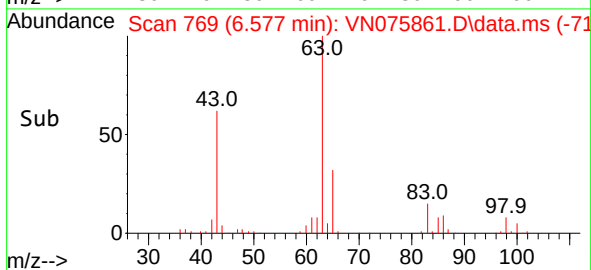
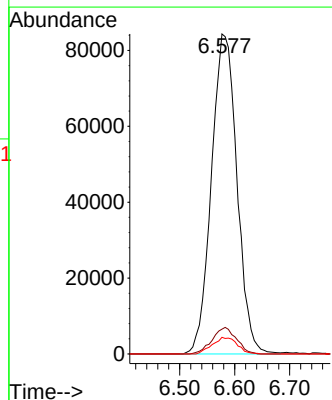
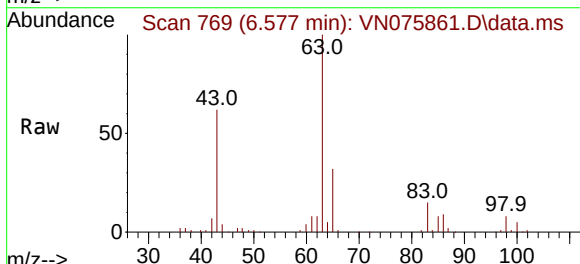
Manual Integrations
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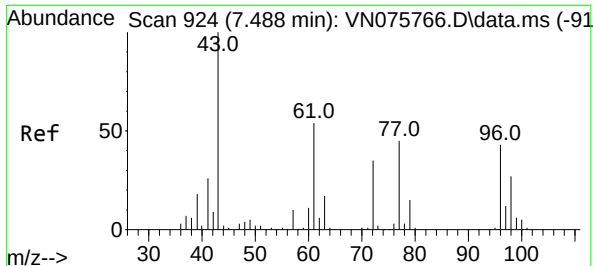
Reviewed By :John Carlone 12/19/2022
 Supervised By :Mahesh Dadoda 12/19/2022



#24
 1,1-Dichloroethane
 Concen: 48.145 ug/l
 RT: 6.577 min Scan# 769
 Delta R.T. 0.000 min
 Lab File: VN075861.D
 Acq: 16 Dec 2022 20:38

Tgt Ion: 63 Resp: 272551
 Ion Ratio Lower Upper
 63 100
 98 7.7 3.9 11.5
 100 5.2 2.5 7.6





#25

2-Butanone

Concen: 252.883 ug/l

RT: 7.489 min Scan# 91

Delta R.T. 0.000 min

Lab File: VN075861.D

Acq: 16 Dec 2022 20:38

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 43 Resp: 447838

Ion Ratio Lower Upper

43 100

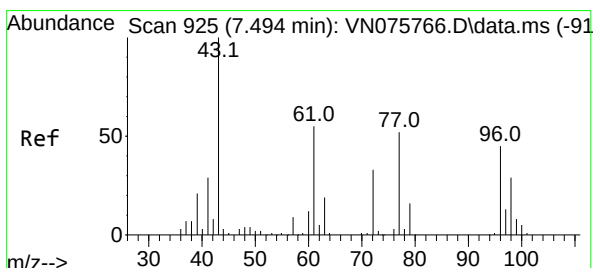
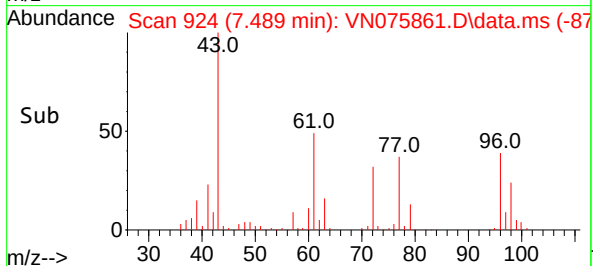
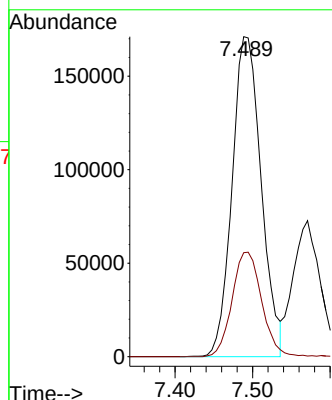
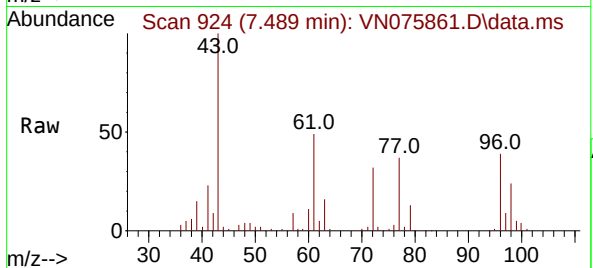
72 32.5 28.0 42.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/19/2022

Supervised By :Mahesh Dadoda 12/19/2022



#26

2,2-Dichloropropane

Concen: 45.912 ug/l

RT: 7.500 min Scan# 926

Delta R.T. 0.006 min

Lab File: VN075861.D

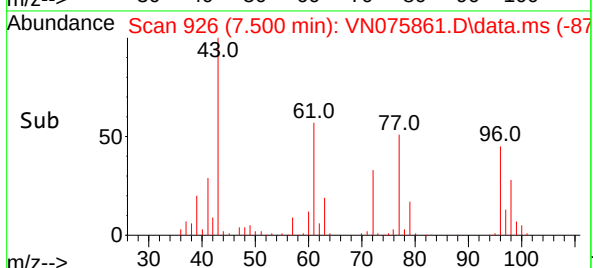
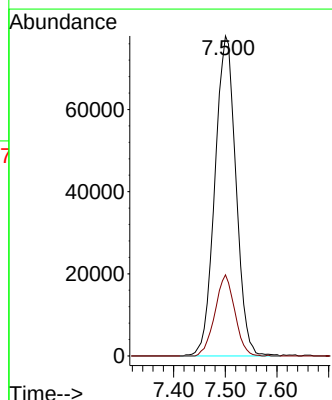
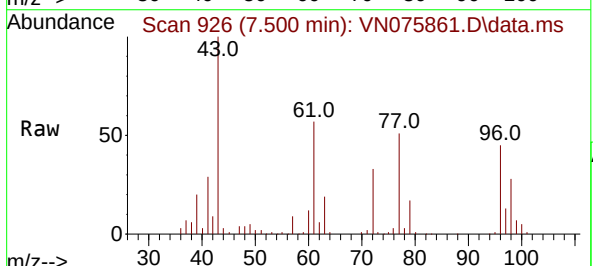
Acq: 16 Dec 2022 20:38

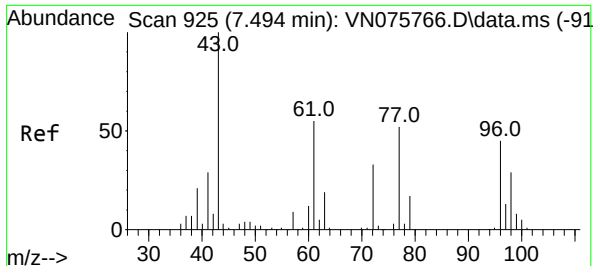
Tgt Ion: 77 Resp: 220104

Ion Ratio Lower Upper

77 100

97 23.9 12.7 38.0





#27

cis-1,2-Dichloroethene

Concen: 47.914 ug/l

RT: 7.494 min Scan# 91

Delta R.T. 0.000 min

Lab File: VN075861.D

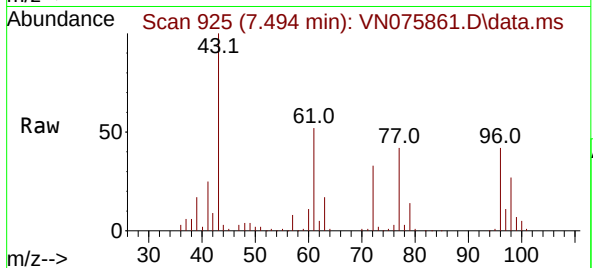
Acq: 16 Dec 2022 20:38

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC



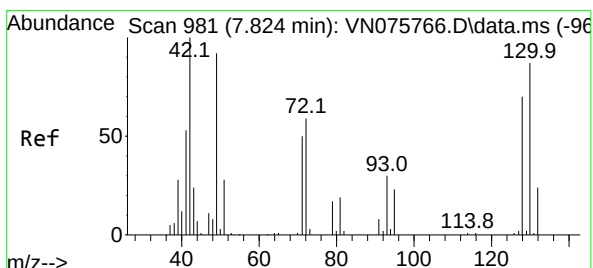
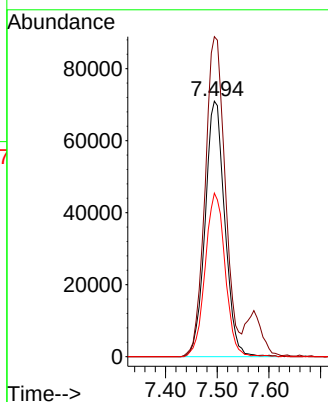
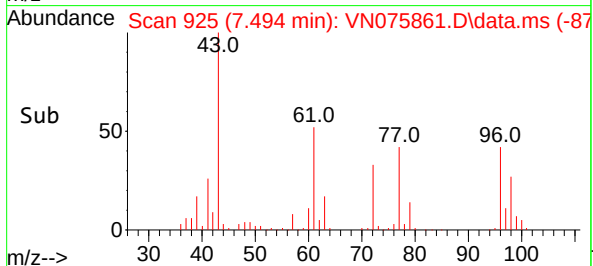
Tgt Ion:	96	Resp:	18758
Ion Ratio	Lower	Upper	
96	100		
61	128.2	0.0	247.8
98	64.8	0.0	128.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/19/2022

Supervised By :Mahesh Dadoda 12/19/2022



#28

Bromochloromethane

Concen: 44.517 ug/l

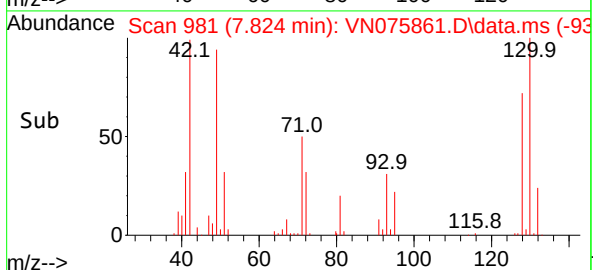
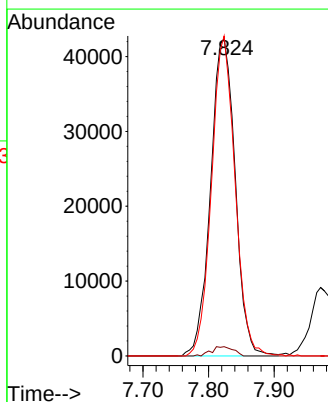
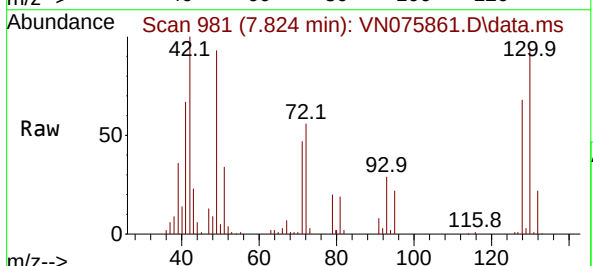
RT: 7.824 min Scan# 981

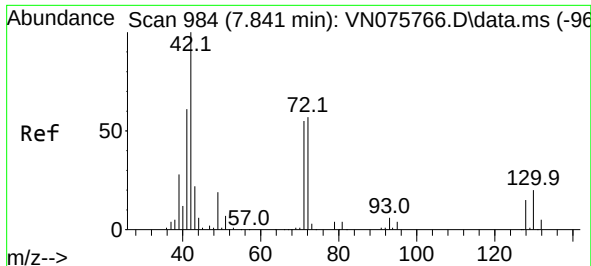
Delta R.T. 0.000 min

Lab File: VN075861.D

Acq: 16 Dec 2022 20:38

Tgt Ion:	49	Resp:	110457
Ion Ratio	Lower	Upper	
49	100		
129	2.6	0.0	5.0
130	95.9	77.0	115.4





#29

Tetrahydrofuran

Concen: 261.162 ug/l

RT: 7.847 min Scan# 984

Delta R.T. 0.006 min

Lab File: VN075861.D

Acq: 16 Dec 2022 20:38

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 42 Resp: 289830

Ion Ratio Lower Upper

42 100

72 55.1 44.5 66.7

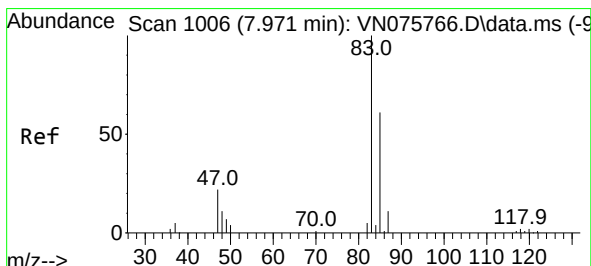
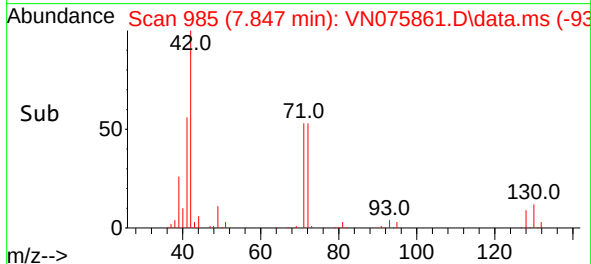
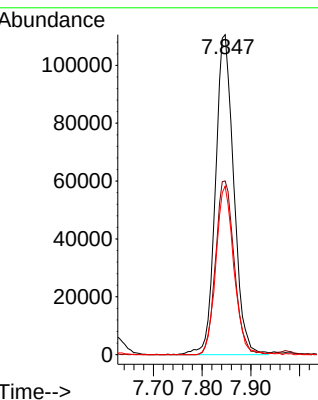
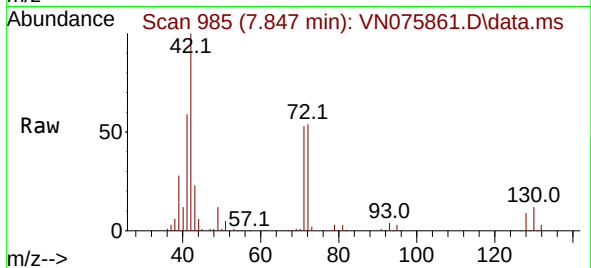
71 51.9 41.0 61.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/19/2022

Supervised By :Mahesh Dadoda 12/19/2022



#30

Chloroform

Concen: 47.255 ug/l

RT: 7.971 min Scan# 1006

Delta R.T. 0.000 min

Lab File: VN075861.D

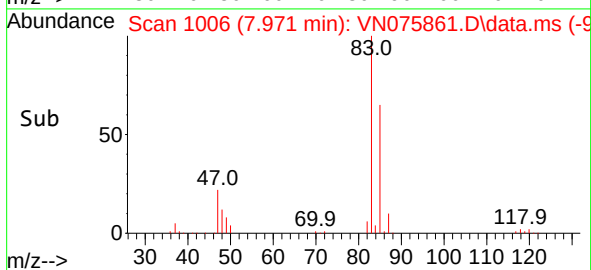
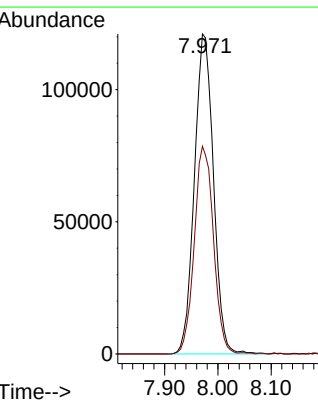
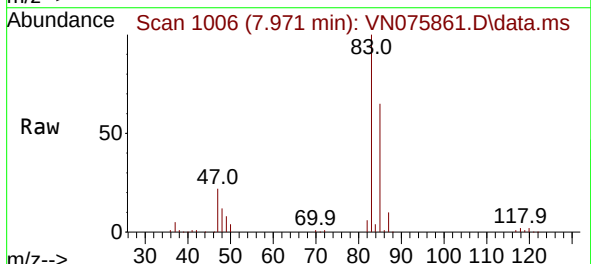
Acq: 16 Dec 2022 20:38

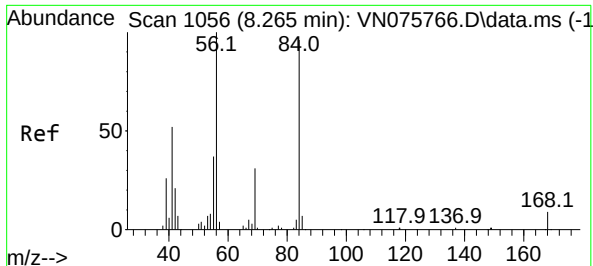
Tgt Ion: 83 Resp: 301192

Ion Ratio Lower Upper

83 100

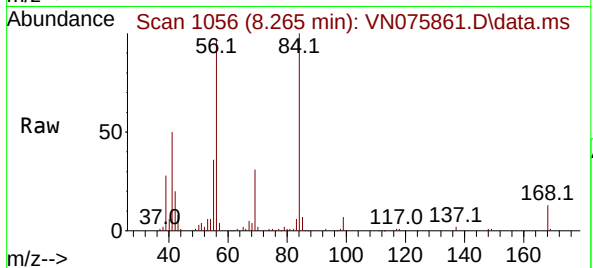
85 64.9 49.1 73.7





#31
Cyclohexane
Concen: 45.978 ug/l
RT: 8.265 min Scan# 1056
Delta R.T. 0.000 min
Lab File: VN075861.D
Acq: 16 Dec 2022 20:38

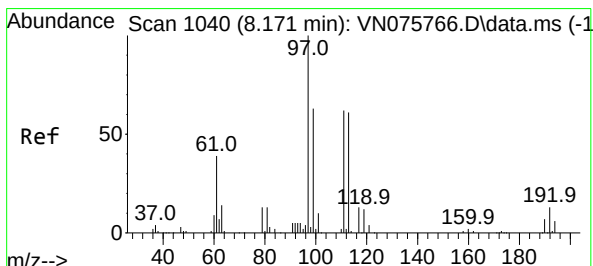
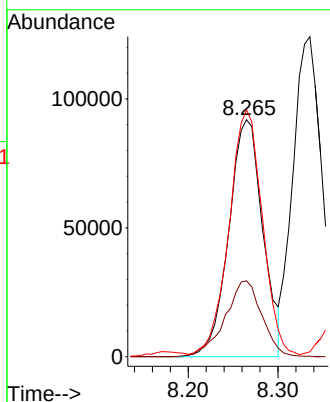
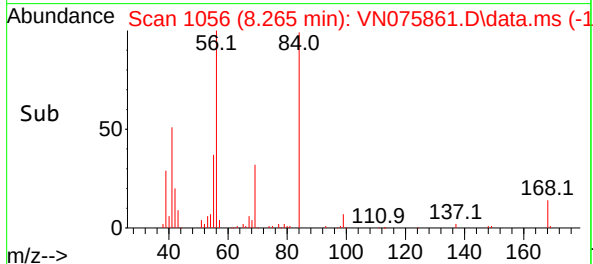
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC



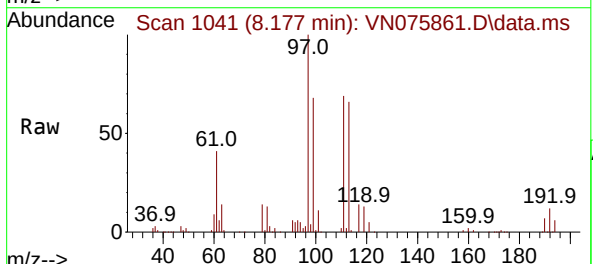
Tgt Ion: 56 Resp: 241600
Ion Ratio Lower Upper
56 100
69 31.8 24.7 37.1
84 102.5 76.5 114.7

Manual Integrations
APPROVED

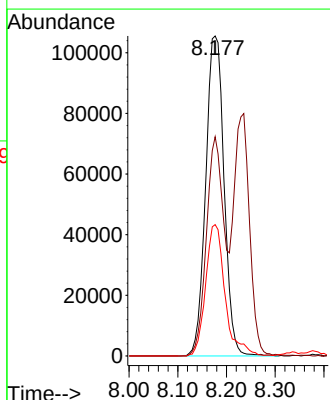
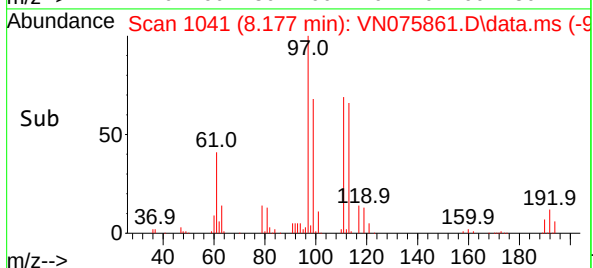
Reviewed By :John Carlone 12/19/2022
Supervised By :Mahesh Dadoda 12/19/2022

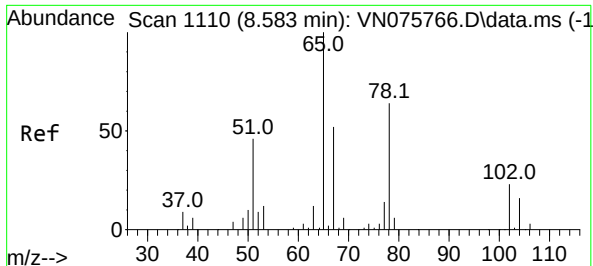


#32
1,1,1-Trichloroethane
Concen: 48.912 ug/l
RT: 8.177 min Scan# 1041
Delta R.T. 0.006 min
Lab File: VN075861.D
Acq: 16 Dec 2022 20:38



Tgt Ion: 97 Resp: 276385
Ion Ratio Lower Upper
97 100
99 67.0 50.2 75.2
61 43.4 34.5 51.7





#33

1,2-Dichloroethane-d4

Concen: 51.266 ug/l

RT: 8.583 min Scan# 1110

Delta R.T. 0.000 min

Lab File: VN075861.D

Acq: 16 Dec 2022 20:38

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 65 Resp: 188098

Ion Ratio Lower Upper

65 100

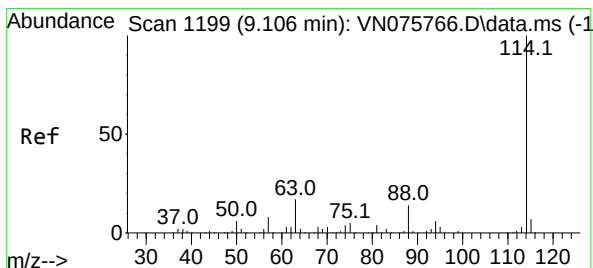
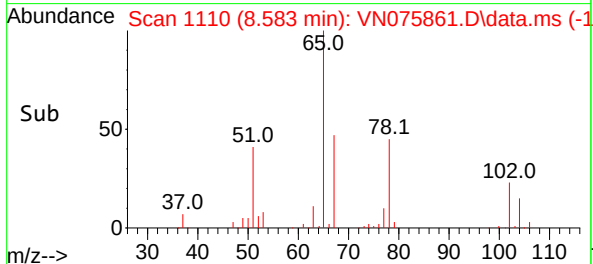
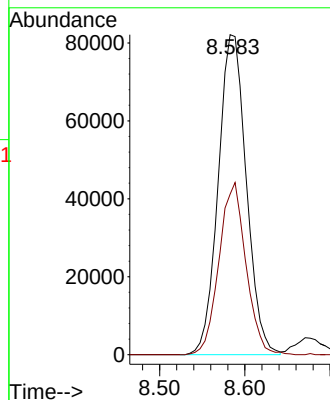
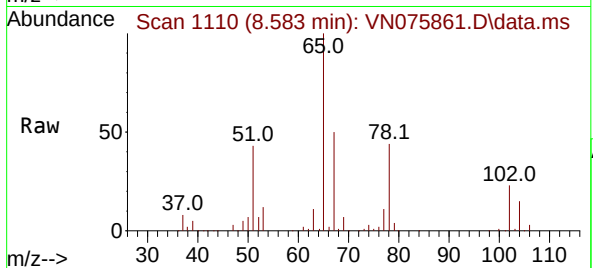
67 51.6 0.0 103.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/19/2022

Supervised By :Mahesh Dadoda 12/19/2022



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1199

Delta R.T. 0.000 min

Lab File: VN075861.D

Acq: 16 Dec 2022 20:38

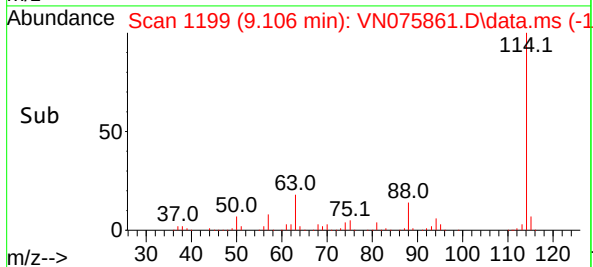
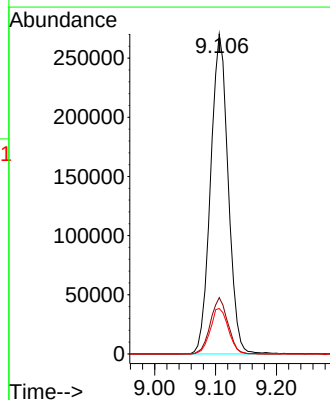
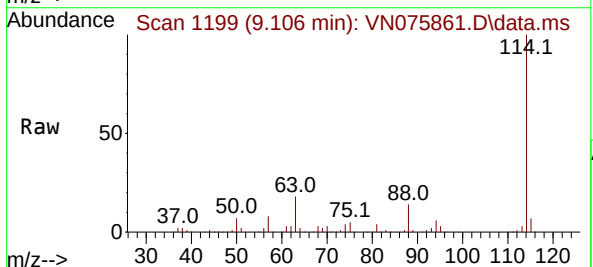
Tgt Ion:114 Resp: 541534

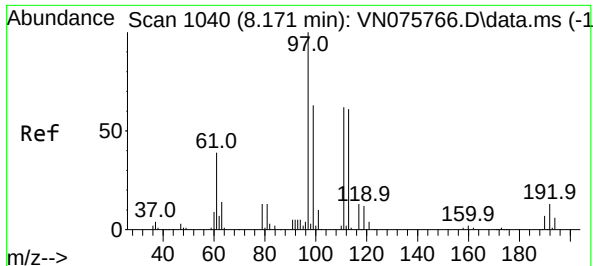
Ion Ratio Lower Upper

114 100

63 17.6 0.0 34.4

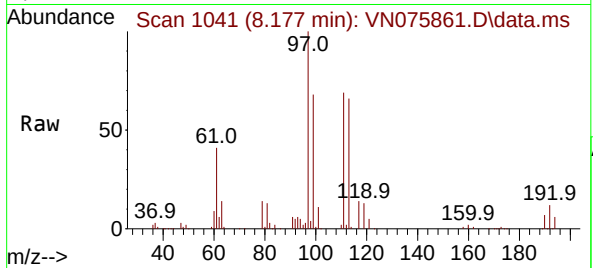
88 14.2 0.0 28.8





#35
Dibromofluoromethane
Concen: 50.966 ug/l
RT: 8.177 min Scan# 1040
Delta R.T. 0.006 min
Lab File: VN075861.D
Acq: 16 Dec 2022 20:38

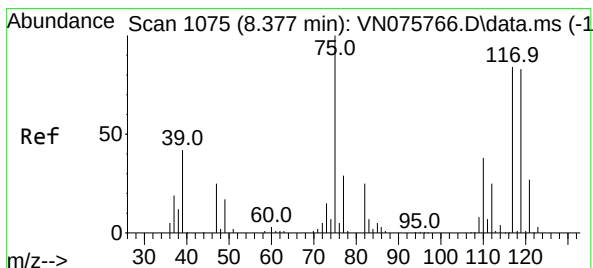
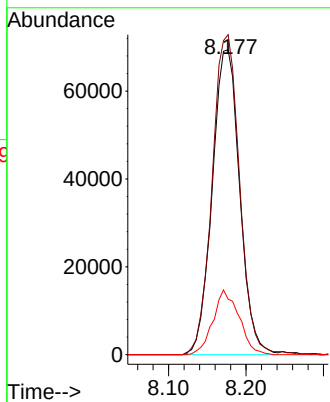
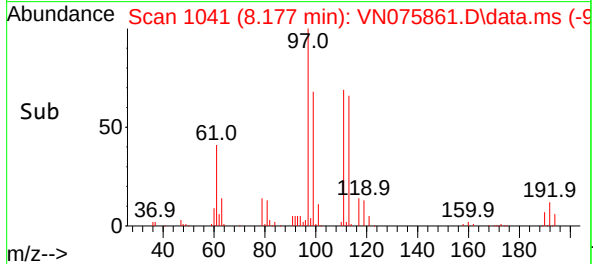
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC



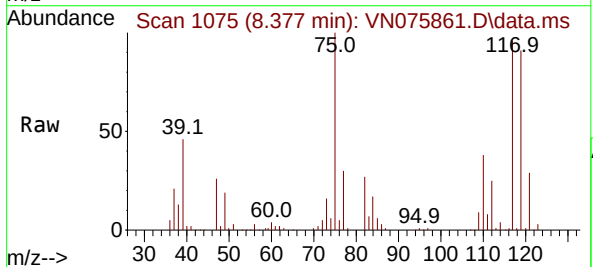
Tgt Ion: 113 Resp: 17092
Ion Ratio Lower Upper
113 100
111 104.8 83.4 125.2
192 20.2 16.1 24.1

Manual Integrations
APPROVED

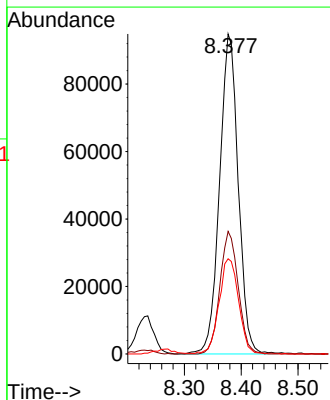
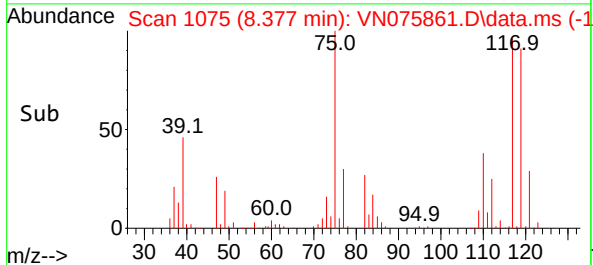
Reviewed By :John Carlone 12/19/2022
Supervised By :Mahesh Dadoda 12/19/2022

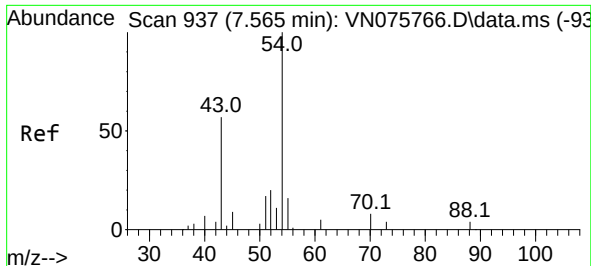


#36
1,1-Dichloropropene
Concen: 48.716 ug/l
RT: 8.377 min Scan# 1075
Delta R.T. 0.000 min
Lab File: VN075861.D
Acq: 16 Dec 2022 20:38



Tgt Ion: 75 Resp: 217030
Ion Ratio Lower Upper
75 100
110 37.6 18.8 56.4
77 31.2 24.1 36.1





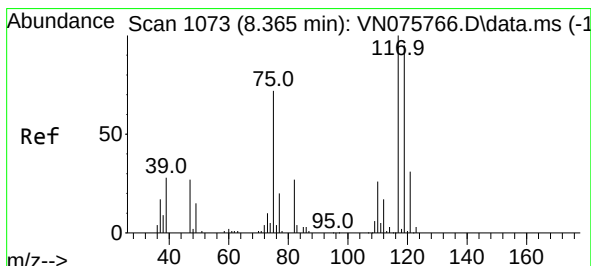
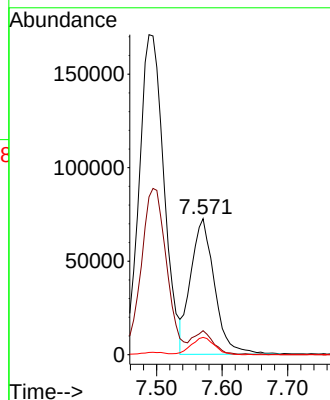
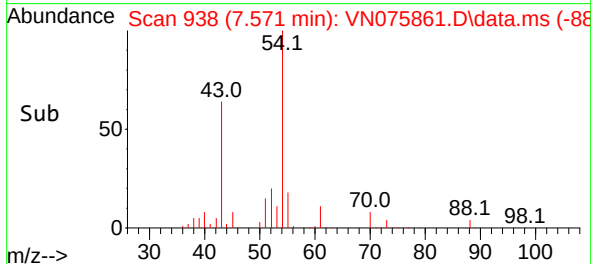
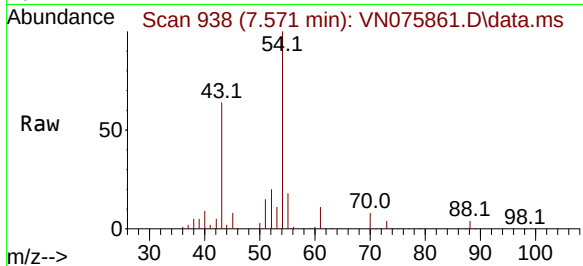
#37
Ethyl Acetate
Concen: 51.083 ug/l
RT: 7.571 min Scan# 91
Delta R.T. 0.006 min
Lab File: VN075861.D
Acq: 16 Dec 2022 20:38

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 182798
Ion Ratio Lower Upper
43 100
61 14.7 13.0 19.4
70 12.4 9.4 14.0

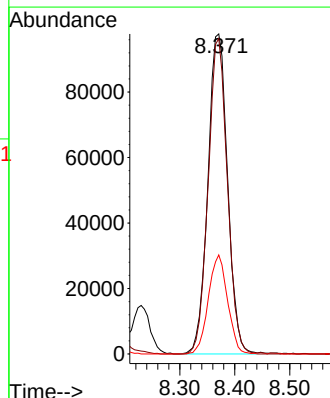
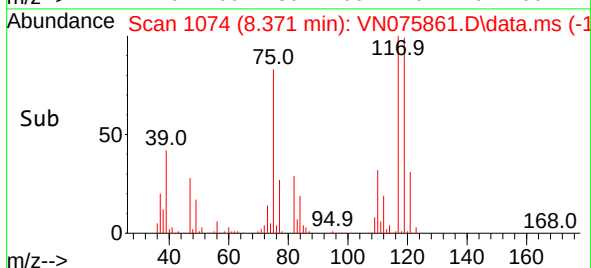
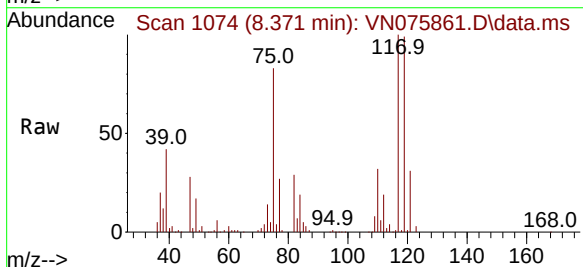
Manual Integrations
APPROVED

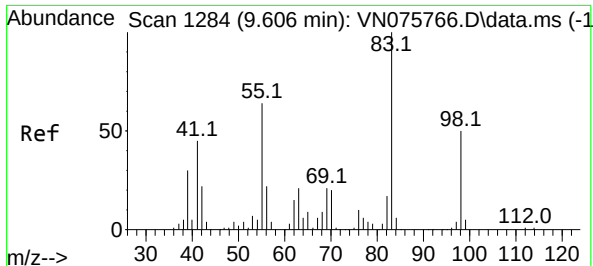
Reviewed By :John Carlone 12/19/2022
Supervised By :Mahesh Dadoda 12/19/2022



#38
Carbon Tetrachloride
Concen: 48.979 ug/l
RT: 8.371 min Scan# 1074
Delta R.T. 0.006 min
Lab File: VN075861.D
Acq: 16 Dec 2022 20:38

Tgt Ion:117 Resp: 244214
Ion Ratio Lower Upper
117 100
119 98.5 76.1 114.1
121 30.9 24.5 36.7





#39

Methylcyclohexane

Concen: 52.283 ug/l

RT: 9.606 min Scan# 11284

Delta R.T. 0.000 min

Lab File: VN075861.D

Acq: 16 Dec 2022 20:38

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 83 Resp: 28100

Ion Ratio Lower Upper

83 100

55 61.9 51.4 77.0

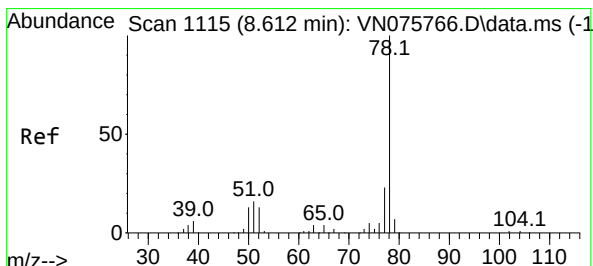
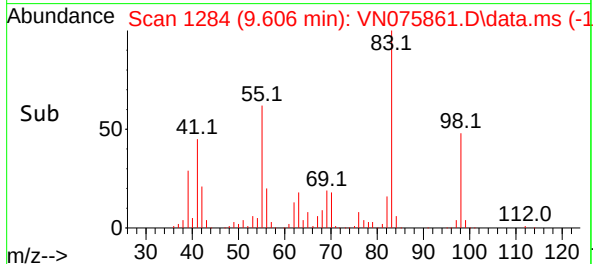
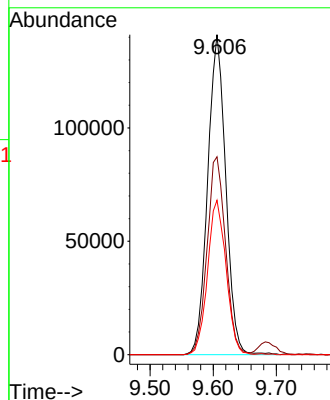
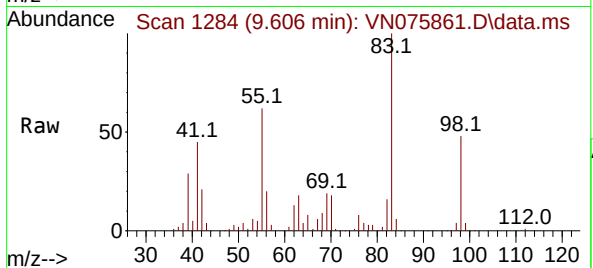
98 48.2 39.8 59.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/19/2022

Supervised By :Mahesh Dadoda 12/19/2022



#40

Benzene

Concen: 48.022 ug/l

RT: 8.612 min Scan# 1115

Delta R.T. 0.000 min

Lab File: VN075861.D

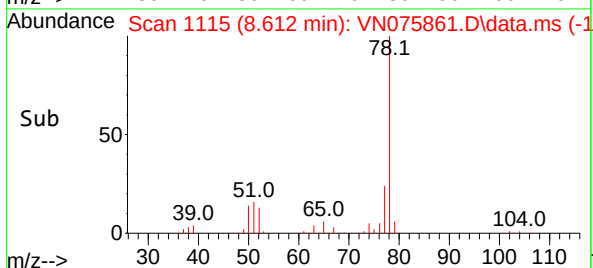
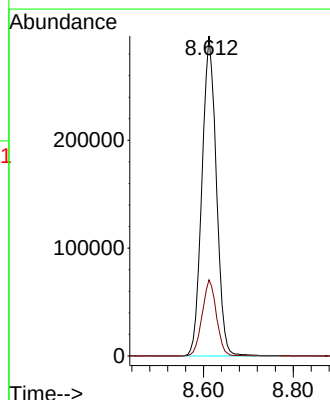
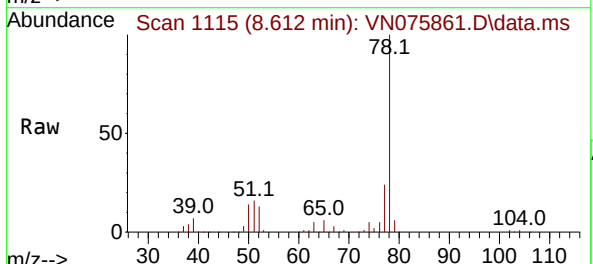
Acq: 16 Dec 2022 20:38

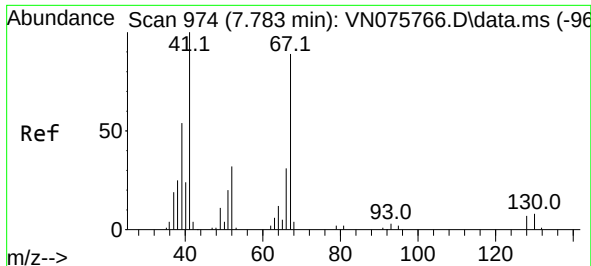
Tgt Ion: 78 Resp: 660078

Ion Ratio Lower Upper

78 100

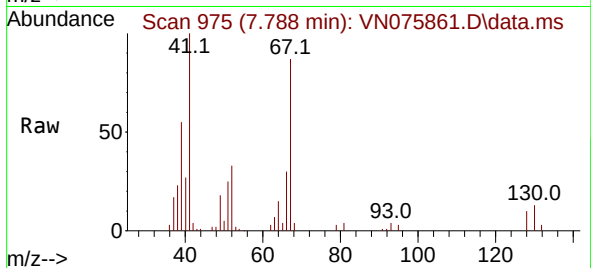
77 23.8 18.5 27.7





#41
Methacrylonitrile
Concen: 52.782 ug/l
RT: 7.788 min Scan# 91
Delta R.T. 0.006 min
Lab File: VN075861.D
Acq: 16 Dec 2022 20:38

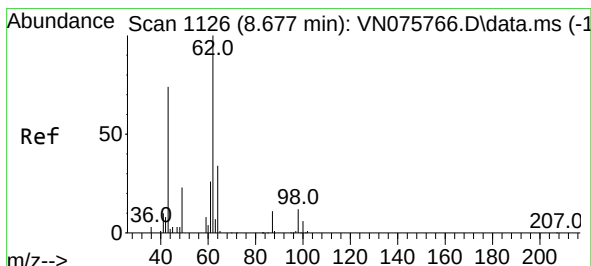
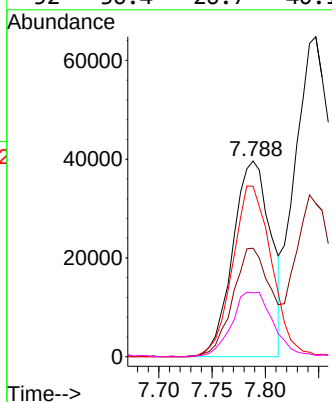
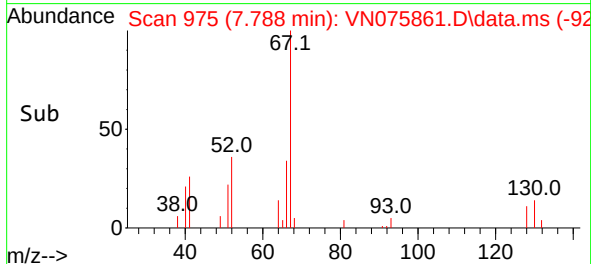
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC



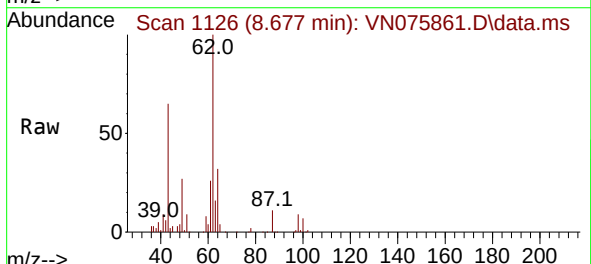
Tgt Ion: 41 Resp: 98170
Ion Ratio Lower Upper
41 100
39 54.7 43.1 64.7
67 90.1 70.7 106.1
52 36.4 26.7 40.1

Manual Integrations
APPROVED

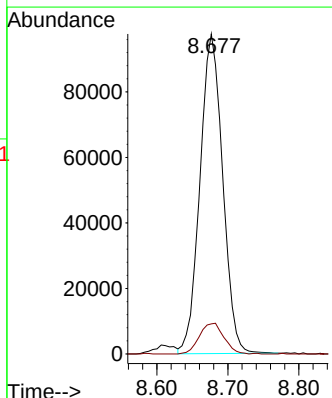
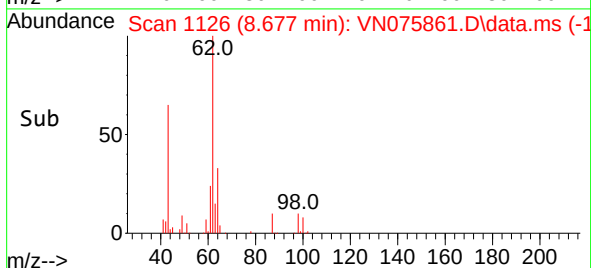
Reviewed By :John Carlone 12/19/2022
Supervised By :Mahesh Dadoda 12/19/2022

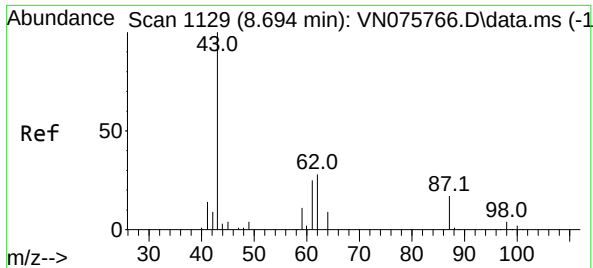


#42
1,2-Dichloroethane
Concen: 47.483 ug/l
RT: 8.677 min Scan# 1126
Delta R.T. 0.000 min
Lab File: VN075861.D
Acq: 16 Dec 2022 20:38



Tgt Ion: 62 Resp: 216980
Ion Ratio Lower Upper
62 100
98 10.4 0.0 20.8





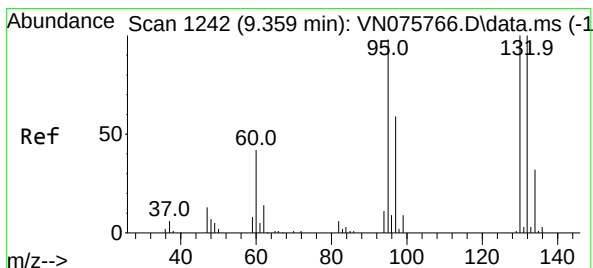
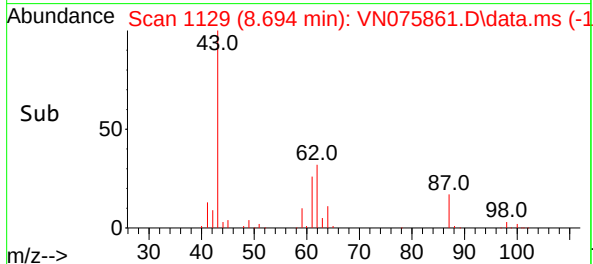
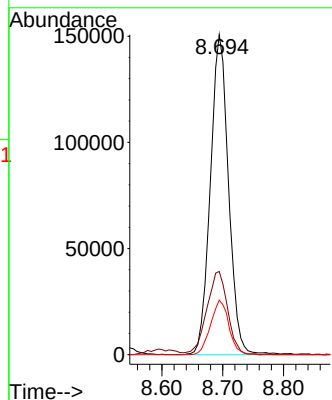
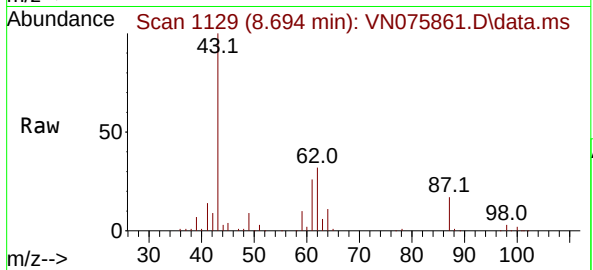
#43
Isopropyl Acetate
Concen: 52.944 ug/l
RT: 8.694 min Scan# 1129
Delta R.T. 0.000 min
Lab File: VN075861.D
Acq: 16 Dec 2022 20:38

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 31252
Ion Ratio Lower Upper
43 100
61 29.8 24.2 36.4
87 17.1 13.3 19.9

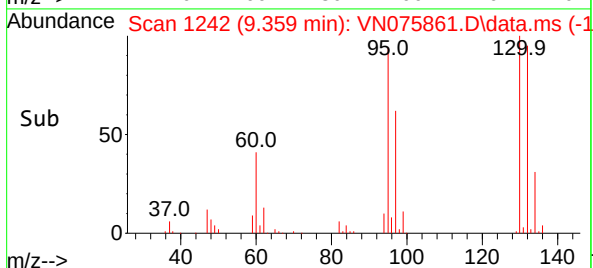
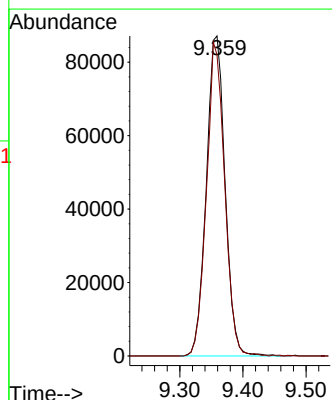
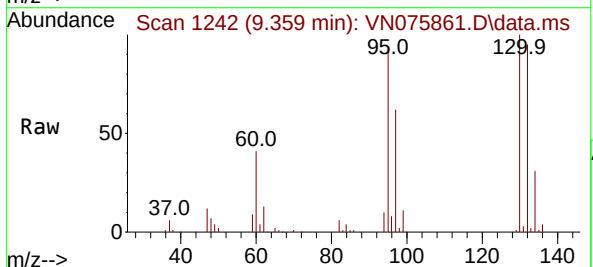
Manual Integrations
APPROVED

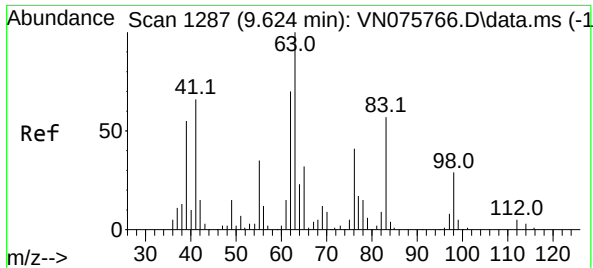
Reviewed By :John Carlone 12/19/2022
Supervised By :Mahesh Dadoda 12/19/2022



#44
Trichloroethene
Concen: 46.508 ug/l
RT: 9.359 min Scan# 1242
Delta R.T. 0.000 min
Lab File: VN075861.D
Acq: 16 Dec 2022 20:38

Tgt Ion:130 Resp: 180091
Ion Ratio Lower Upper
130 100
95 94.1 0.0 195.4





#45

1,2-Dichloropropane

Concen: 48.150 ug/l

RT: 9.624 min Scan# 1287

Delta R.T. 0.000 min

Lab File: VN075861.D

Acq: 16 Dec 2022 20:38

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 63 Resp: 16105

Ion Ratio Lower Upper

63 100

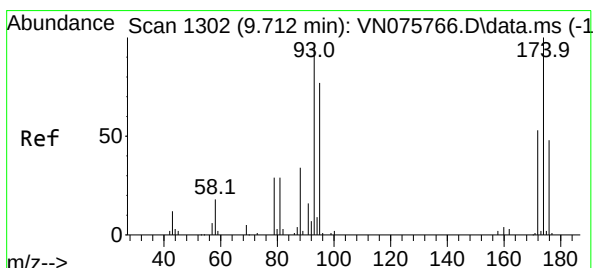
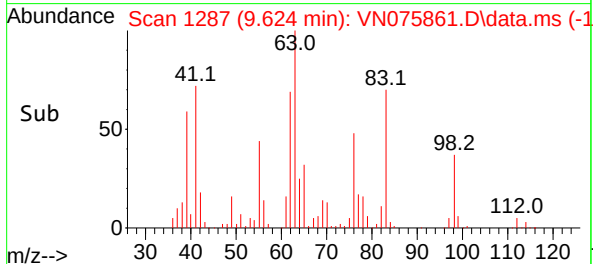
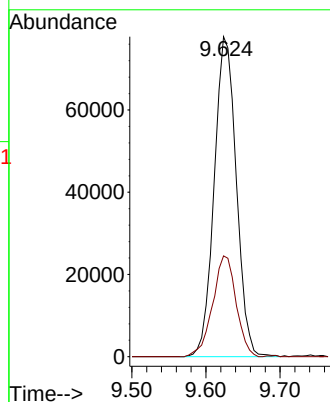
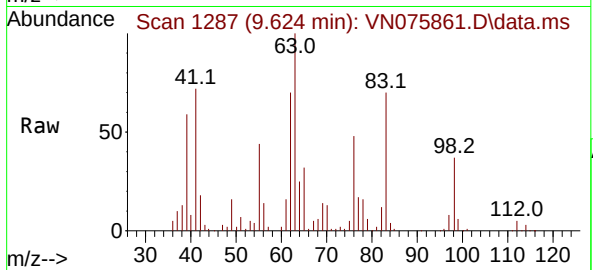
65 31.5 25.7 38.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/19/2022

Supervised By :Mahesh Dadoda 12/19/2022



#46

Dibromomethane

Concen: 48.316 ug/l

RT: 9.712 min Scan# 1302

Delta R.T. 0.000 min

Lab File: VN075861.D

Acq: 16 Dec 2022 20:38

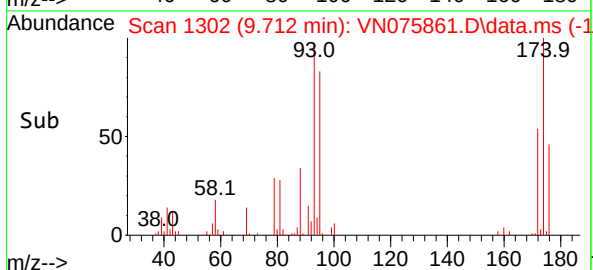
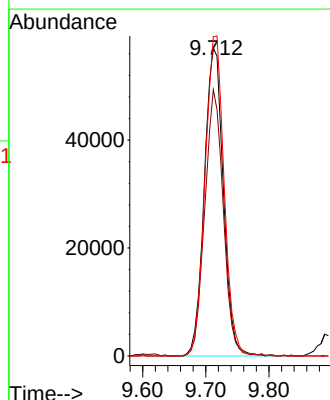
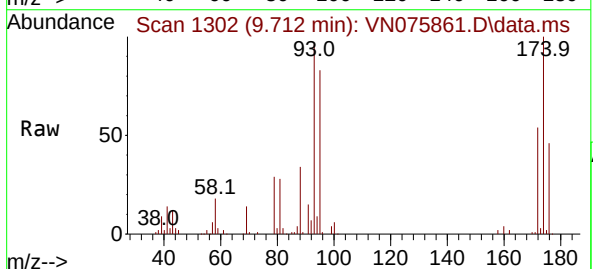
Tgt Ion: 93 Resp: 119864

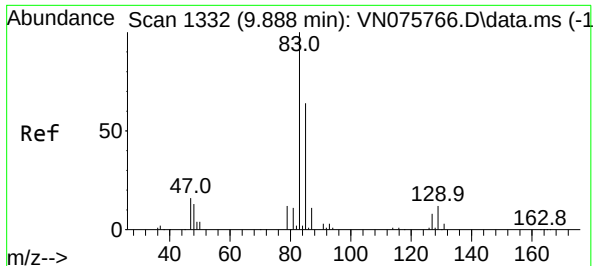
Ion Ratio Lower Upper

93 100

95 83.7 65.2 97.8

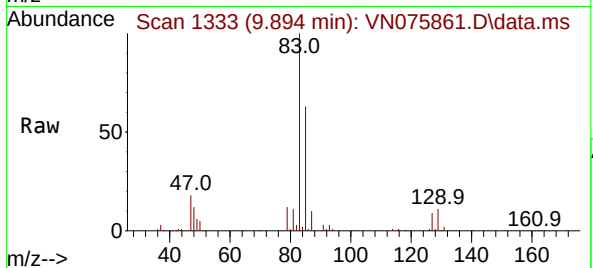
174 103.9 82.4 123.6





#47
Bromodichloromethane
Concen: 49.217 ug/l
RT: 9.894 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN075861.D
Acq: 16 Dec 2022 20:38

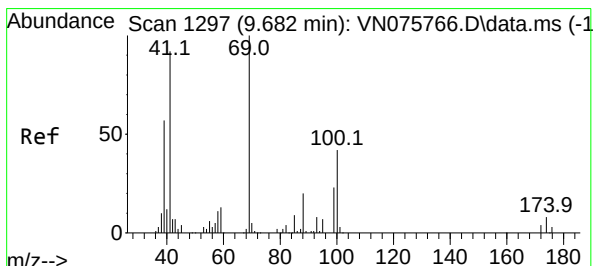
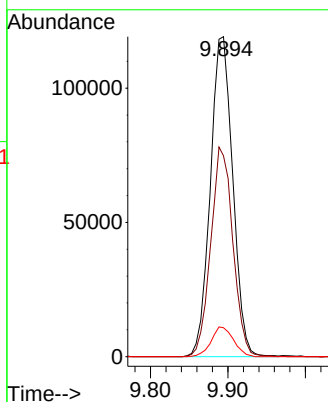
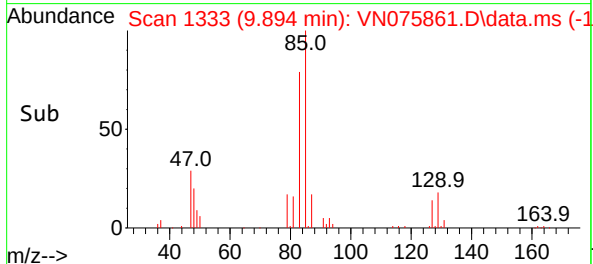
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC



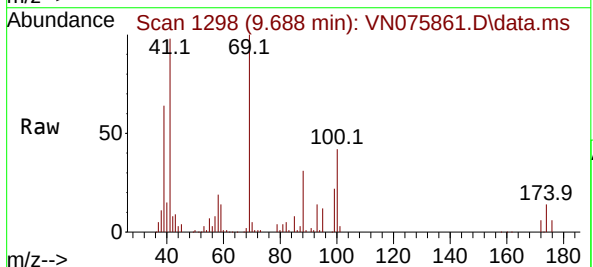
Tgt Ion: 83 Resp: 23944
Ion Ratio Lower Upper
83 100
85 62.8 51.5 77.3
127 9.1 6.6 10.0

Manual Integrations
APPROVED

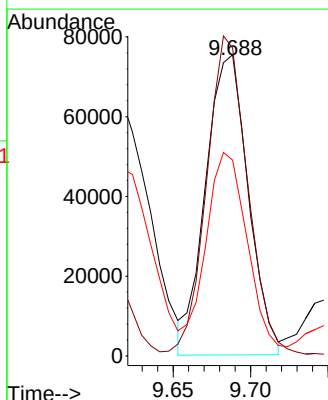
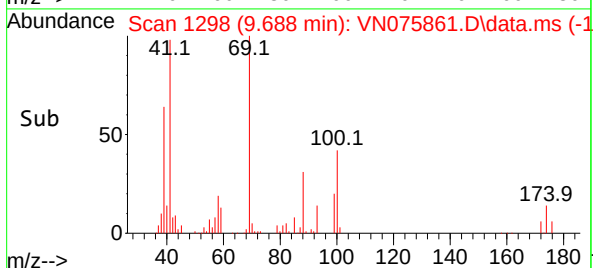
Reviewed By :John Carlone 12/19/2022
Supervised By :Mahesh Dadoda 12/19/2022

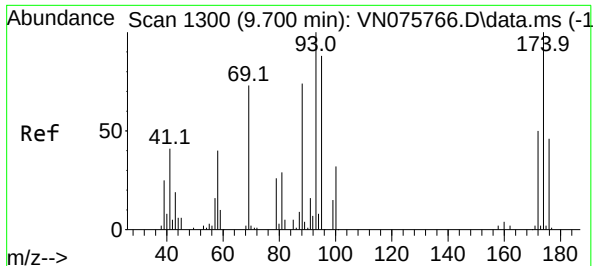


#48
Methyl methacrylate
Concen: 54.103 ug/l
RT: 9.688 min Scan# 1298
Delta R.T. 0.006 min
Lab File: VN075861.D
Acq: 16 Dec 2022 20:38



Tgt Ion: 41 Resp: 143841
Ion Ratio Lower Upper
41 100
69 103.9 81.9 122.9
39 67.6 51.6 77.4





#49

1,4-Dioxane

Concen: 1016.915 ug/l

RT: 9.700 min Scan# 1300

Delta R.T. 0.000 min

Lab File: VN075861.D

Acq: 16 Dec 2022 20:38

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 88 Resp: 66460

Ion Ratio Lower Upper

88 100

43 0.0 17.1 25.7

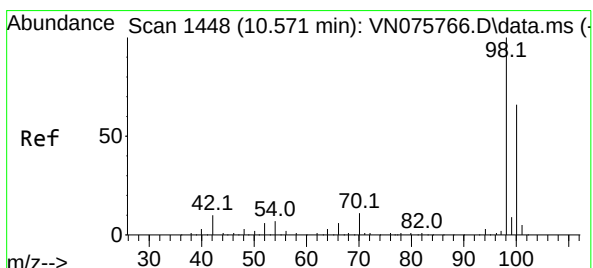
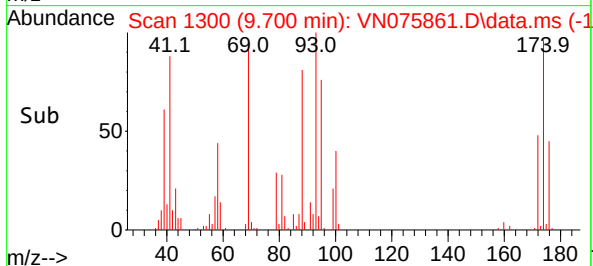
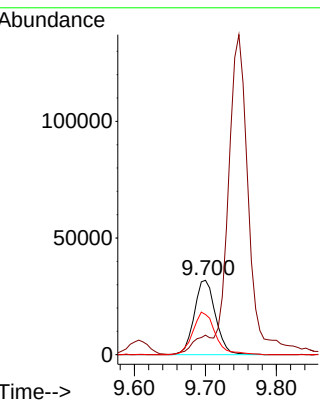
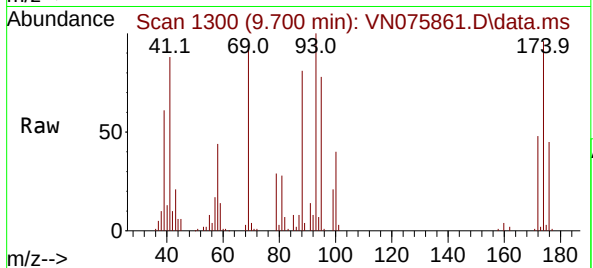
58 60.3 47.8 71.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/19/2022

Supervised By :Mahesh Dadoda 12/19/2022



#50

Toluene-d8

Concen: 51.587 ug/l

RT: 10.571 min Scan# 1448

Delta R.T. 0.000 min

Lab File: VN075861.D

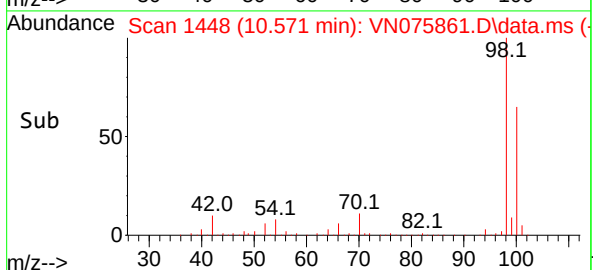
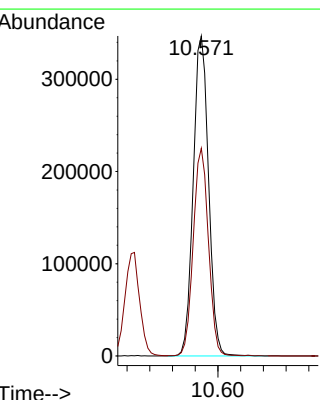
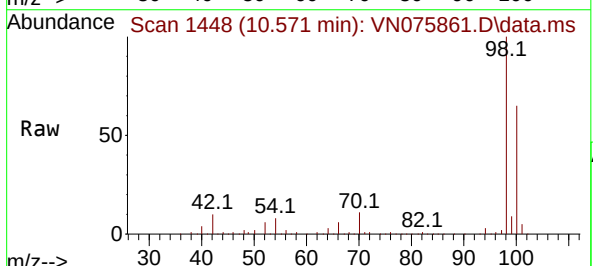
Acq: 16 Dec 2022 20:38

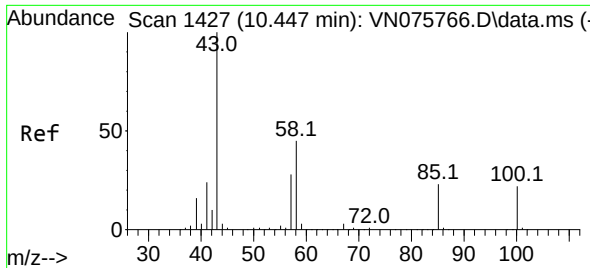
Tgt Ion: 98 Resp: 646849

Ion Ratio Lower Upper

98 100

100 64.1 52.1 78.1





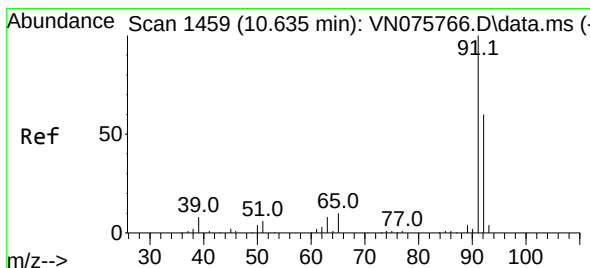
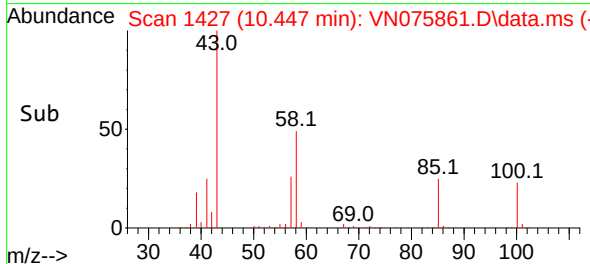
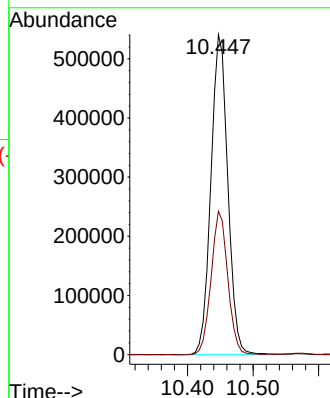
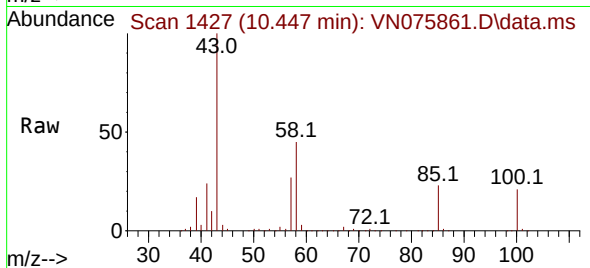
#51
4-Methyl-2-Pentanone
Concen: 271.256 ug/l
RT: 10.447 min Scan# 1427
Delta R.T. 0.000 min
Lab File: VN075861.D
Acq: 16 Dec 2022 20:38

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 96833
Ion Ratio Lower Upper
43 100
58 44.2 35.5 53.3

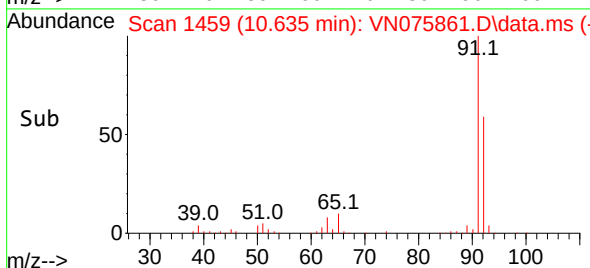
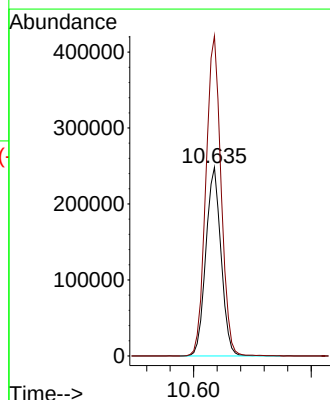
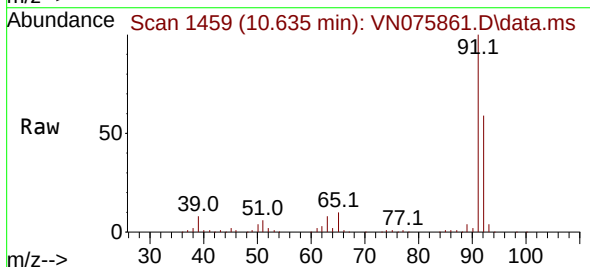
Manual Integrations
APPROVED

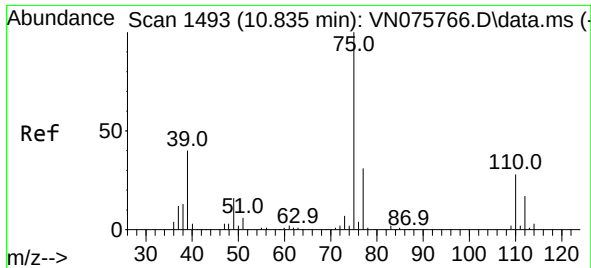
Reviewed By :John Carlone 12/19/2022
Supervised By :Mahesh Dadoda 12/19/2022



#52
Toluene
Concen: 49.574 ug/l
RT: 10.635 min Scan# 1459
Delta R.T. 0.000 min
Lab File: VN075861.D
Acq: 16 Dec 2022 20:38

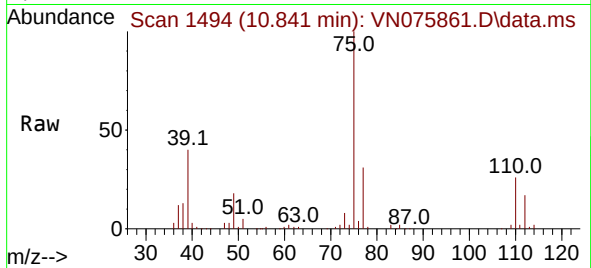
Tgt Ion: 92 Resp: 443778
Ion Ratio Lower Upper
92 100
91 169.8 137.3 205.9





#53
t-1,3-Dichloropropene
Concen: 51.612 ug/l
RT: 10.841 min Scan# 1494
Delta R.T. 0.006 min
Lab File: VN075861.D
Acq: 16 Dec 2022 20:38

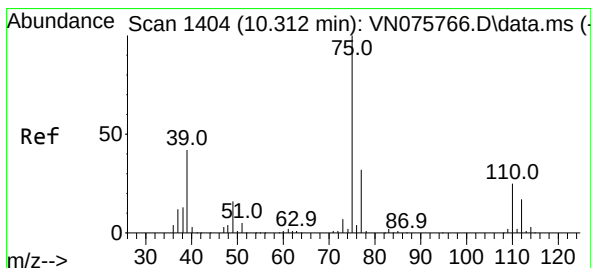
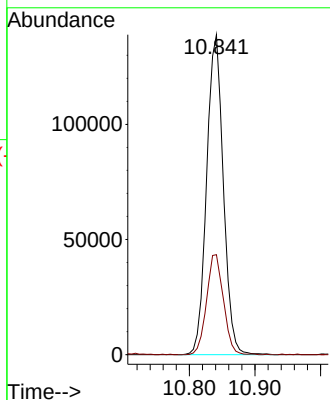
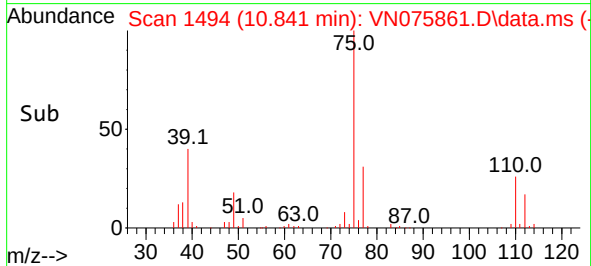
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC



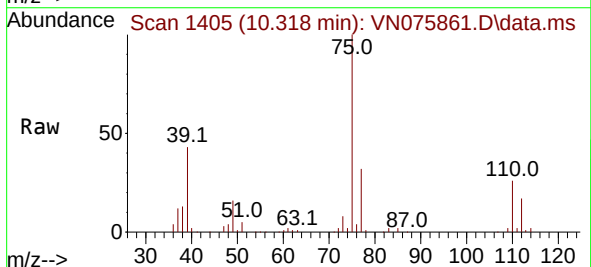
Tgt Ion: 75 Resp: 245794
Ion Ratio Lower Upper
75 100
77 31.3 24.9 37.3

Manual Integrations
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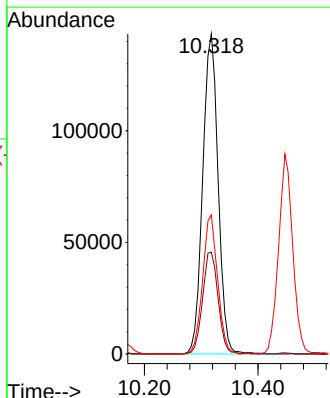
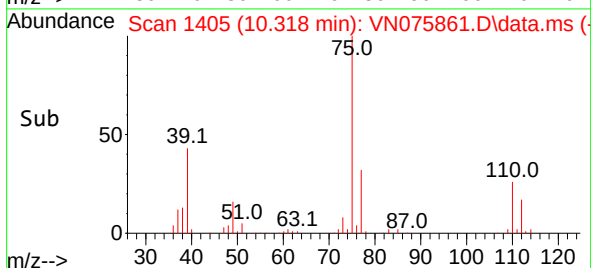
Reviewed By :John Carlone 12/19/2022
Supervised By :Mahesh Dadoda 12/19/2022

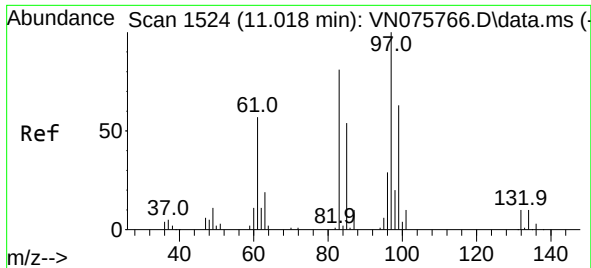


#54
cis-1,3-Dichloropropene
Concen: 51.421 ug/l
RT: 10.318 min Scan# 1405
Delta R.T. 0.006 min
Lab File: VN075861.D
Acq: 16 Dec 2022 20:38



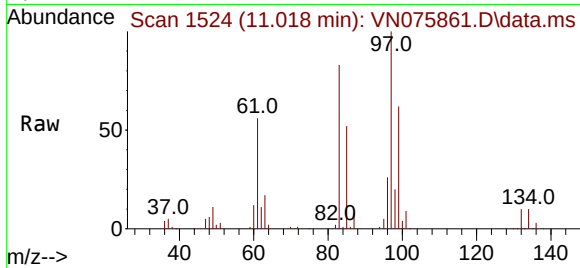
Tgt Ion: 75 Resp: 268869
Ion Ratio Lower Upper
75 100
77 31.8 25.8 38.8
39 43.4 33.4 50.2





#55
1,1,2-Trichloroethane
Concen: 50.487 ug/l
RT: 11.018 min Scan# 1524
Delta R.T. 0.000 min
Lab File: VN075861.D
Acq: 16 Dec 2022 20:38

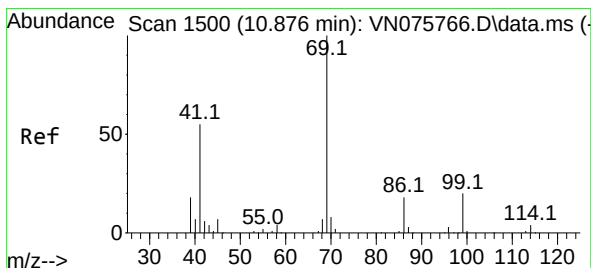
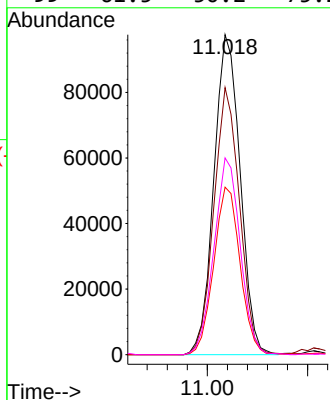
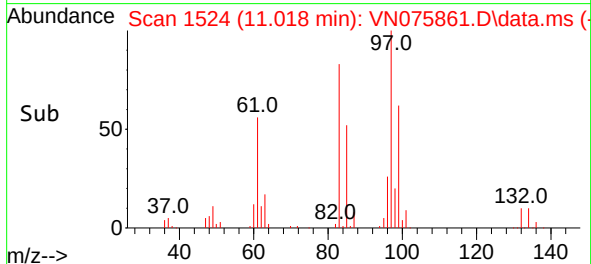
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC



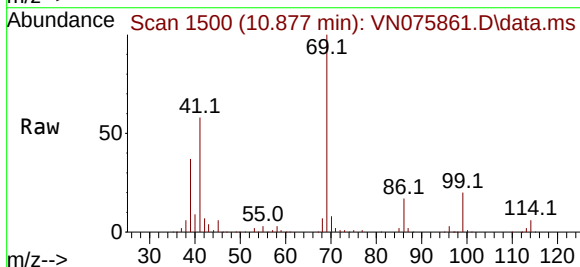
Tgt Ion: 97 Resp: 177395
Ion Ratio Lower Upper
97 100
83 83.5 65.0 97.4
85 52.3 43.0 64.6
99 61.5 50.2 75.2

Manual Integrations
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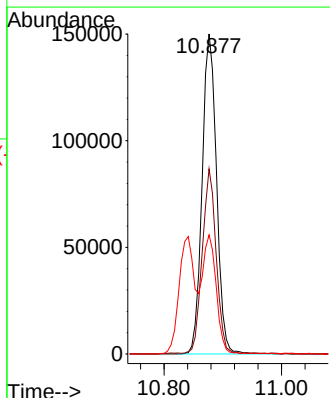
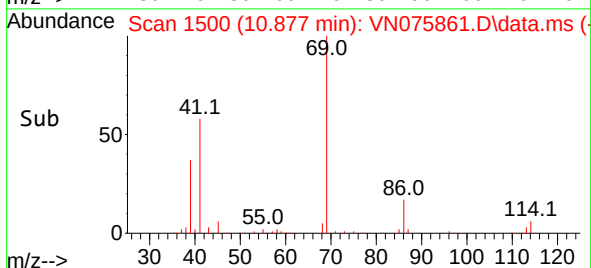
Reviewed By :John Carlone 12/19/2022
Supervised By :Mahesh Dadoda 12/19/2022

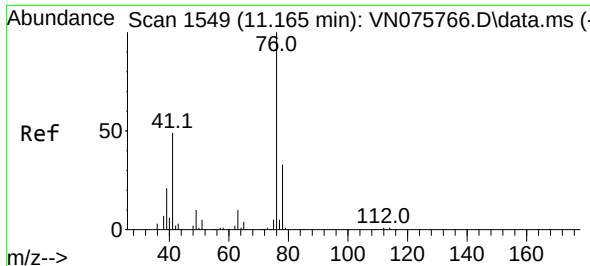


#56
Ethyl methacrylate
Concen: 54.884 ug/l
RT: 10.877 min Scan# 1500
Delta R.T. 0.000 min
Lab File: VN075861.D
Acq: 16 Dec 2022 20:38



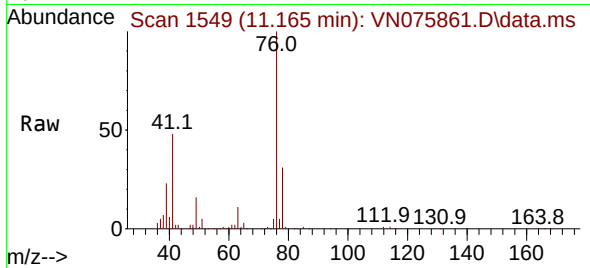
Tgt Ion: 69 Resp: 256149
Ion Ratio Lower Upper
69 100
41 55.6 44.2 66.4
39 34.3 26.4 39.6





#57
1,3-Dichloropropane
Concen: 49.981 ug/l
RT: 11.165 min Scan# 111
Delta R.T. 0.000 min
Lab File: VN075861.D
Acq: 16 Dec 2022 20:38

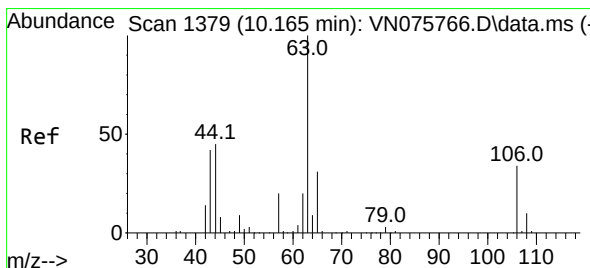
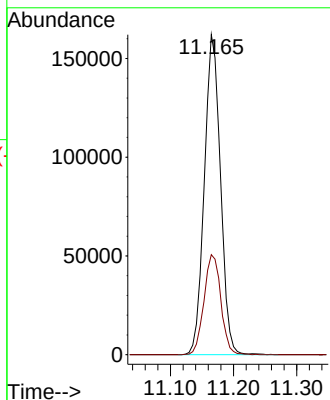
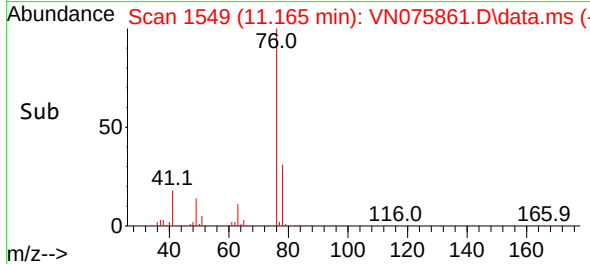
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC



Tgt Ion: 76 Resp: 288064
Ion Ratio Lower Upper
76 100
78 32.6 26.2 39.2

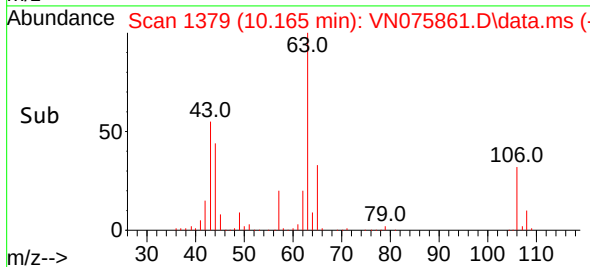
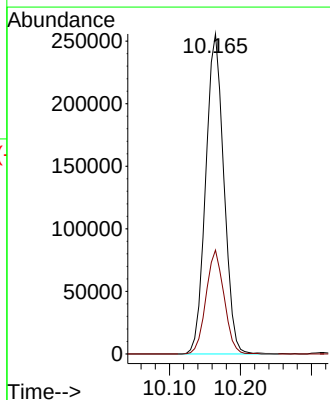
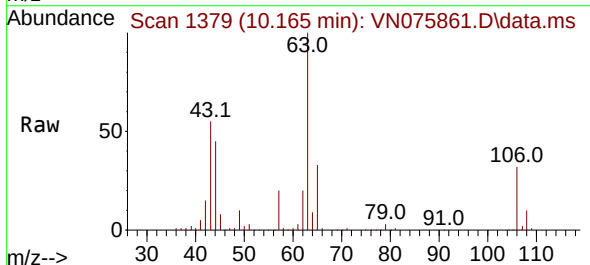
Manual Integrations
APPROVED

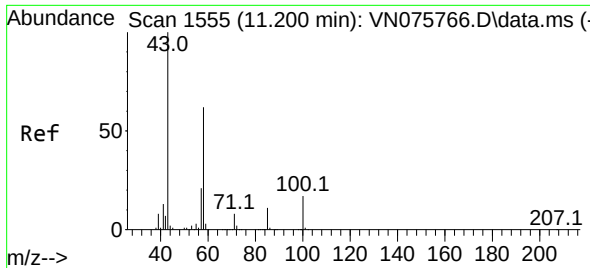
Reviewed By :John Carlone 12/19/2022
Supervised By :Mahesh Dadoda 12/19/2022



#58
2-Chloroethyl Vinyl ether
Concen: 305.111 ug/l
RT: 10.165 min Scan# 1379
Delta R.T. 0.000 min
Lab File: VN075861.D
Acq: 16 Dec 2022 20:38

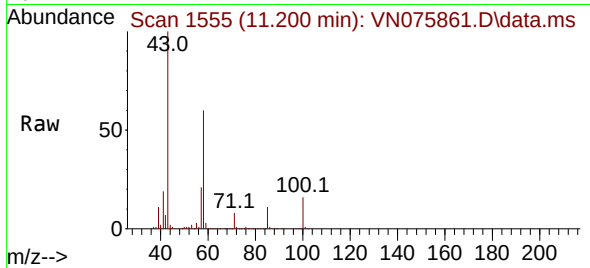
Tgt Ion: 63 Resp: 453368
Ion Ratio Lower Upper
63 100
106 32.3 26.4 39.6





#59
2-Hexanone
Concen: 272.370 ug/l
RT: 11.200 min Scan# 1555
Delta R.T. 0.000 min
Lab File: VN075861.D
Acq: 16 Dec 2022 20:38

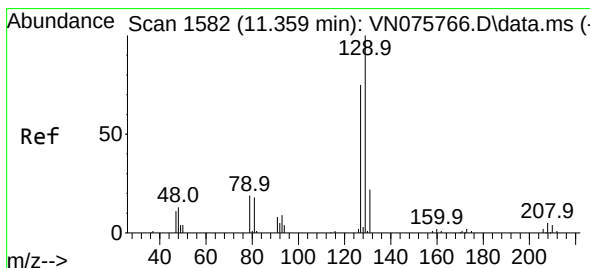
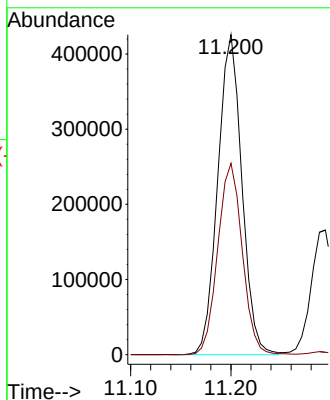
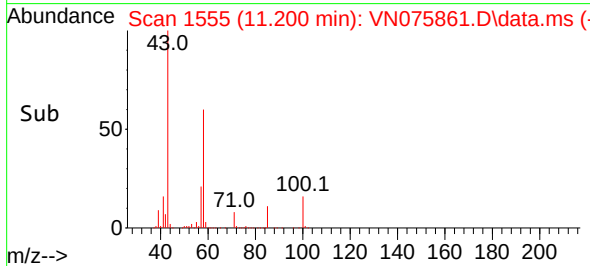
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC



Tgt Ion: 43 Resp: 709078
Ion Ratio Lower Upper
43 100
58 60.8 30.6 92.0

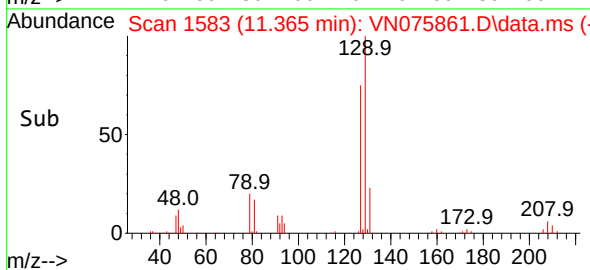
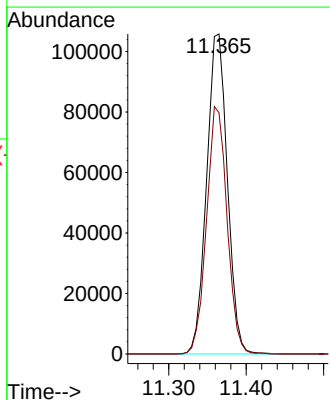
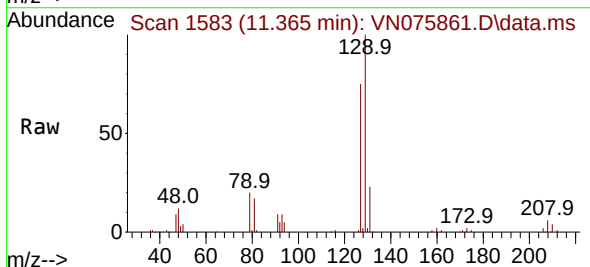
Manual Integrations
APPROVED

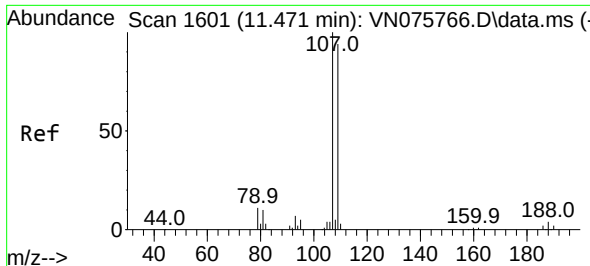
Reviewed By :John Carlone 12/19/2022
Supervised By :Mahesh Dadoda 12/19/2022



#60
Dibromochloromethane
Concen: 50.469 ug/l
RT: 11.365 min Scan# 1583
Delta R.T. 0.006 min
Lab File: VN075861.D
Acq: 16 Dec 2022 20:38

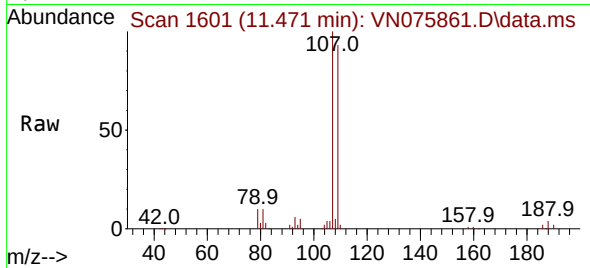
Tgt Ion:129 Resp: 197208
Ion Ratio Lower Upper
129 100
127 76.5 38.3 114.9





#61
1,2-Dibromoethane
Concen: 50.416 ug/l
RT: 11.471 min Scan# 1601
Delta R.T. 0.000 min
Lab File: VN075861.D
Acq: 16 Dec 2022 20:38

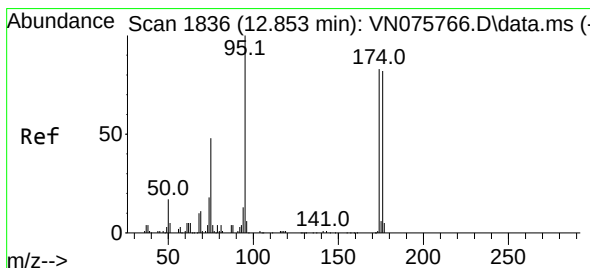
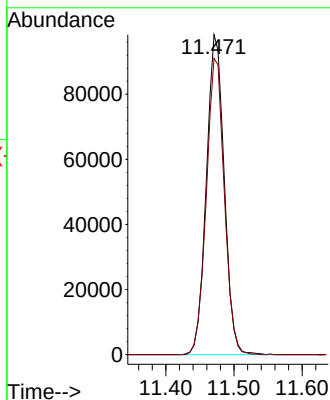
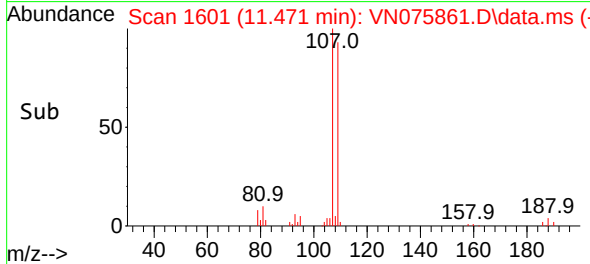
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC



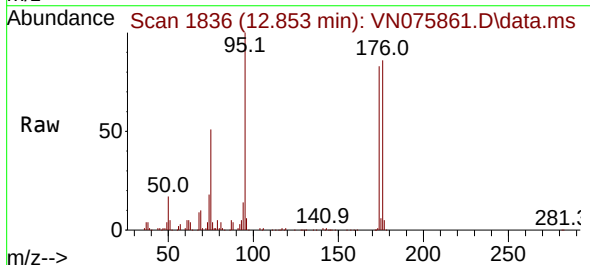
Tgt Ion:107 Resp: 179264
Ion Ratio Lower Upper
107 100
109 93.2 74.8 112.2

Manual Integrations
APPROVED

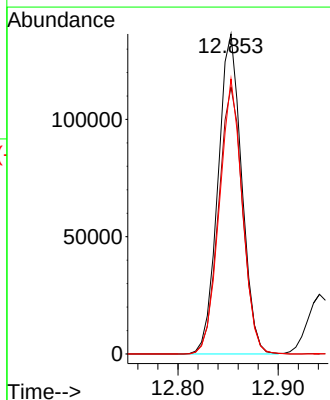
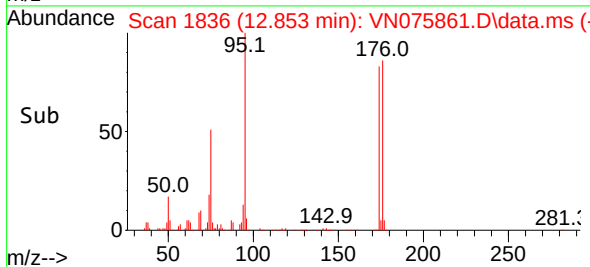
Reviewed By :John Carlone 12/19/2022
Supervised By :Mahesh Dadoda 12/19/2022

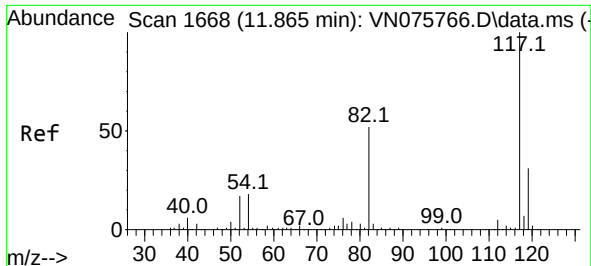


#62
4-Bromofluorobenzene
Concen: 53.838 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. 0.000 min
Lab File: VN075861.D
Acq: 16 Dec 2022 20:38



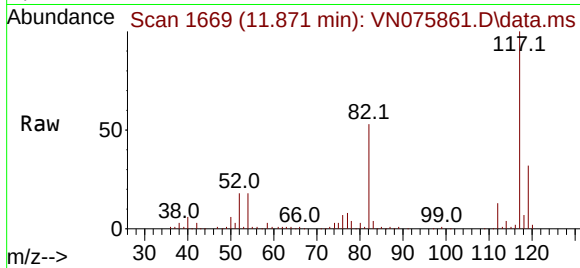
Tgt Ion: 95 Resp: 223589
Ion Ratio Lower Upper
95 100
174 84.6 0.0 171.6
176 82.9 0.0 169.2





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 1669
Delta R.T. 0.006 min
Lab File: VN075861.D
Acq: 16 Dec 2022 20:38

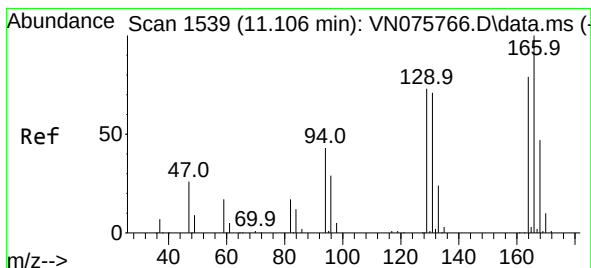
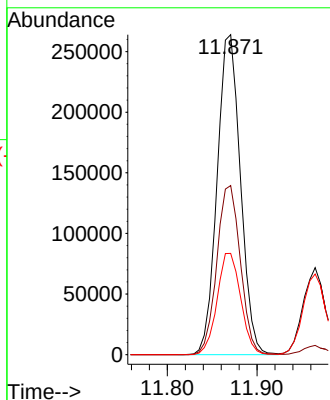
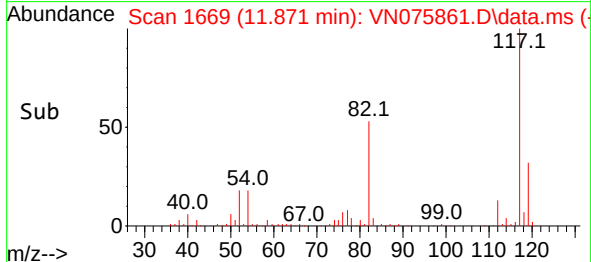
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC



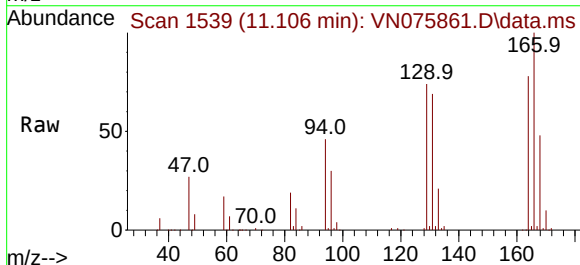
Tgt Ion:117 Resp: 477068
Ion Ratio Lower Upper
117 100
82 52.9 41.3 61.9
119 31.6 24.6 37.0

Manual Integrations
APPROVED

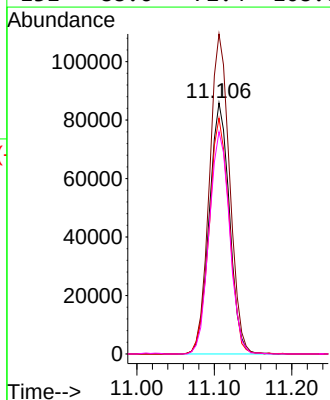
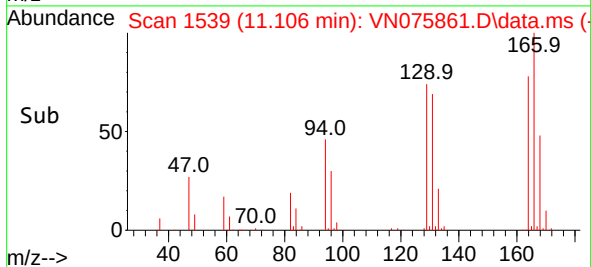
Reviewed By :John Carlone 12/19/2022
Supervised By :Mahesh Dadoda 12/19/2022

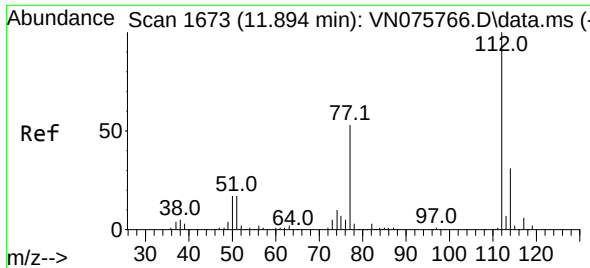


#64
Tetrachloroethene
Concen: 46.297 ug/l
RT: 11.106 min Scan# 1539
Delta R.T. 0.000 min
Lab File: VN075861.D
Acq: 16 Dec 2022 20:38



Tgt Ion:164 Resp: 155419
Ion Ratio Lower Upper
164 100
166 127.5 101.9 152.9
129 93.9 74.2 111.2
131 88.6 72.4 108.6





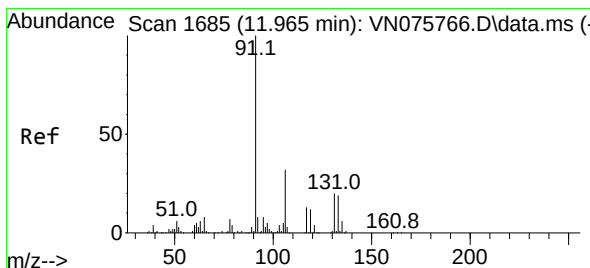
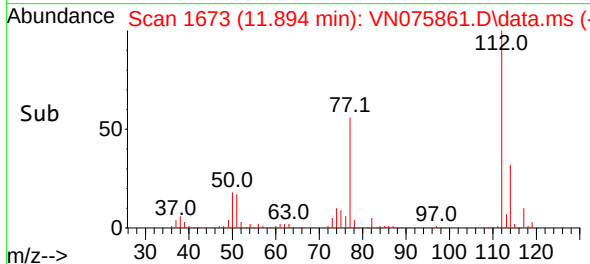
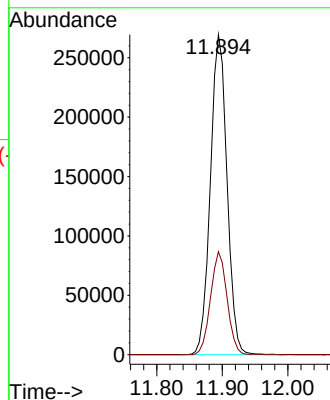
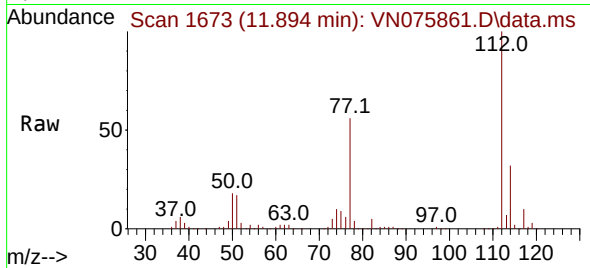
#65
Chlorobenzene
Concen: 48.502 ug/l
RT: 11.894 min Scan# 1673
Delta R.T. 0.000 min
Lab File: VN075861.D
Acq: 16 Dec 2022 20:38

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion:112 Resp: 47492
Ion Ratio Lower Upper
112 100
114 32.2 24.7 37.1

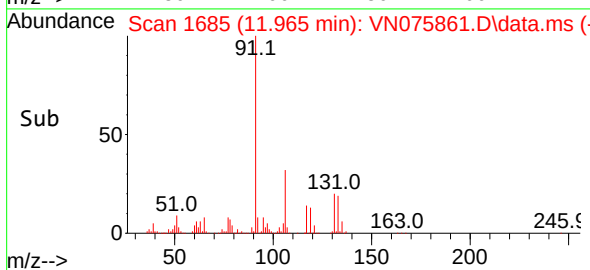
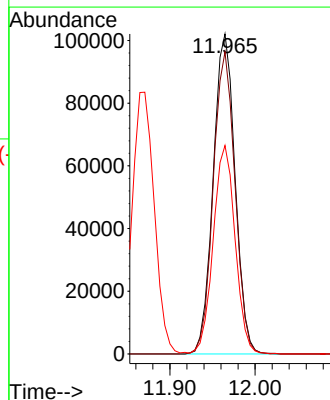
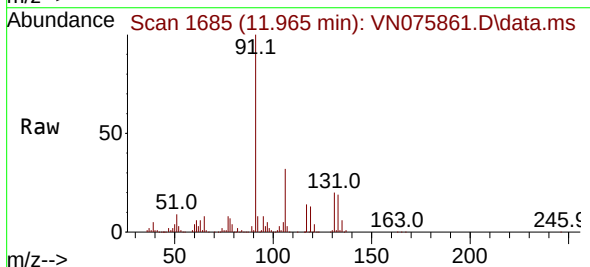
Manual Integrations
APPROVED

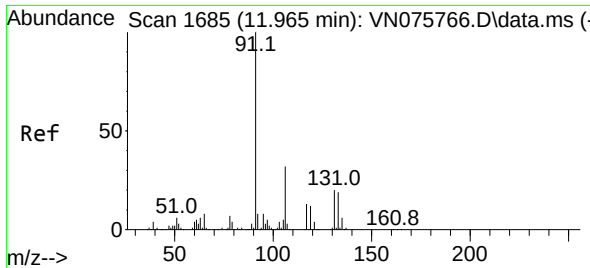
Reviewed By :John Carlone 12/19/2022
Supervised By :Mahesh Dadoda 12/19/2022



#66
1,1,1,2-Tetrachloroethane
Concen: 50.216 ug/l
RT: 11.965 min Scan# 1685
Delta R.T. 0.000 min
Lab File: VN075861.D
Acq: 16 Dec 2022 20:38

Tgt Ion:131 Resp: 182126
Ion Ratio Lower Upper
131 100
133 93.8 47.5 142.5
119 65.0 31.9 95.7





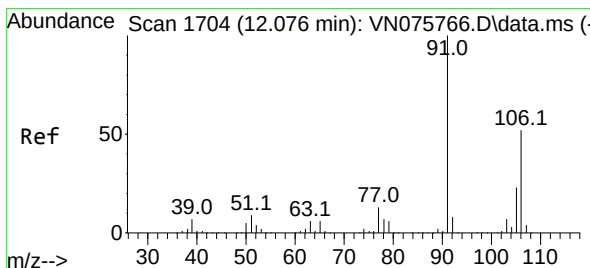
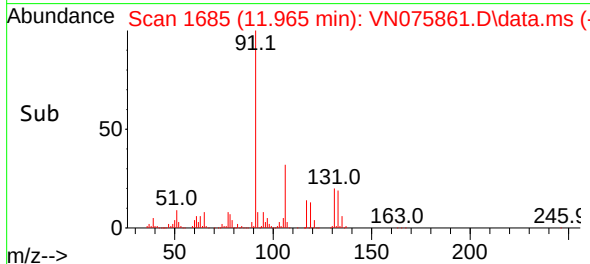
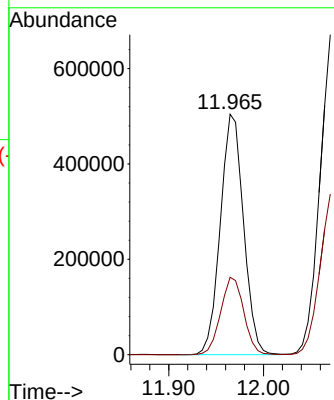
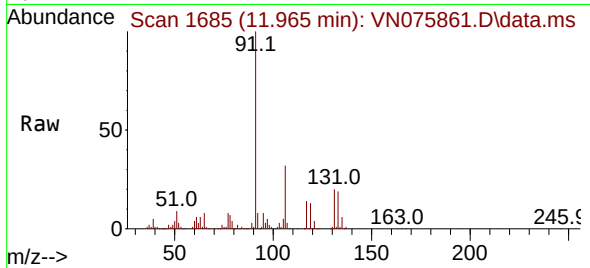
#67
Ethyl Benzene
Concen: 51.996 ug/l
RT: 11.965 min Scan# 1685
Delta R.T. 0.000 min
Lab File: VN075861.D
Acq: 16 Dec 2022 20:38

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 91 Resp: 85928
Ion Ratio Lower Upper
91 100
106 32.2 25.7 38.5

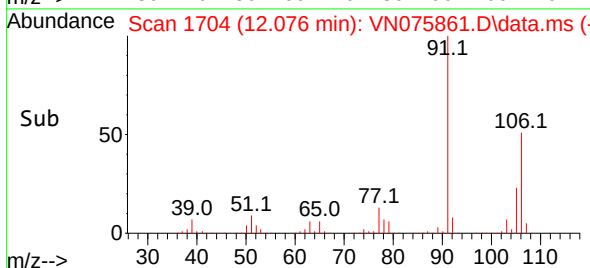
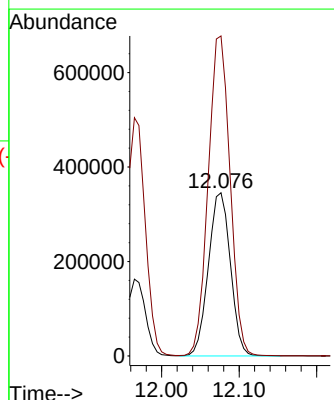
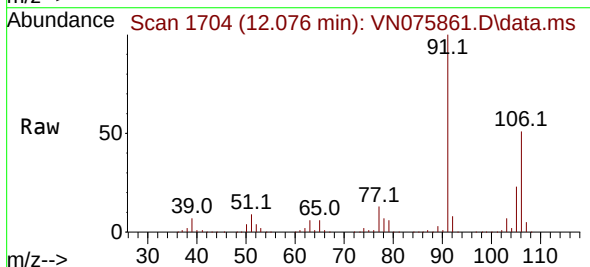
Manual Integrations
APPROVED

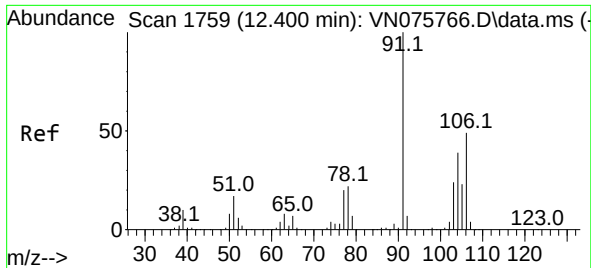
Reviewed By :John Carlone 12/19/2022
Supervised By :Mahesh Dadoda 12/19/2022



#68
m/p-Xylenes
Concen: 104.300 ug/l
RT: 12.076 min Scan# 1704
Delta R.T. 0.000 min
Lab File: VN075861.D
Acq: 16 Dec 2022 20:38

Tgt Ion:106 Resp: 682220
Ion Ratio Lower Upper
106 100
91 194.8 156.6 235.0





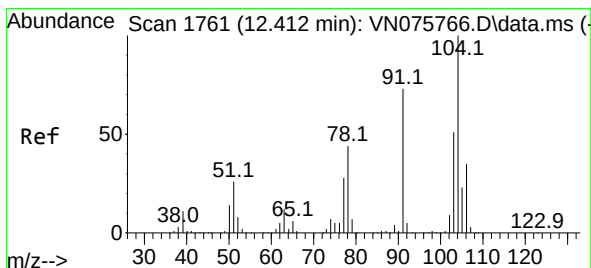
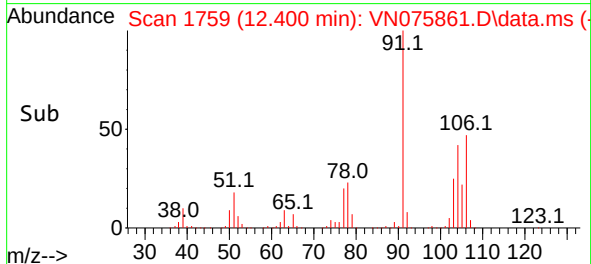
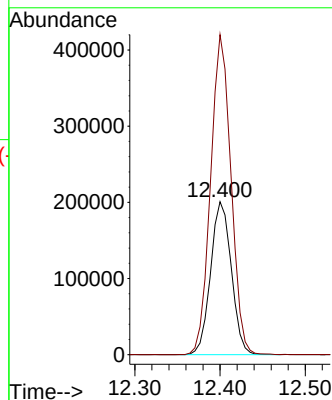
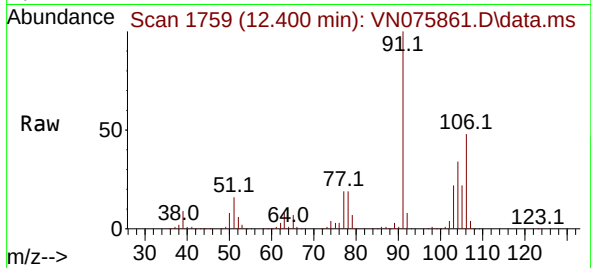
#69
o-Xylene
Concen: 52.416 ug/l
RT: 12.400 min Scan# 1759
Delta R.T. 0.000 min
Lab File: VN075861.D
Acq: 16 Dec 2022 20:38

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion:106 Resp: 339284
Ion Ratio Lower Upper
106 100
91 206.3 103.8 311.6

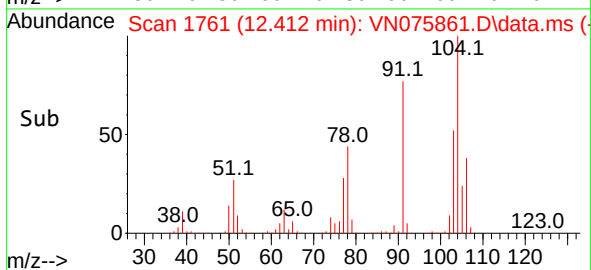
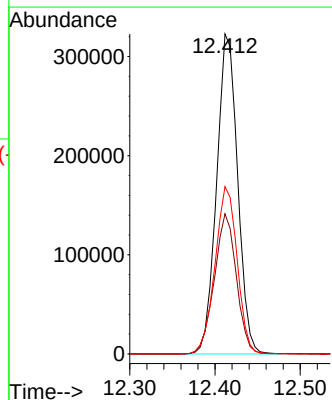
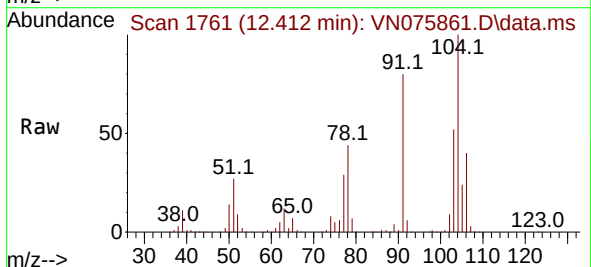
Manual Integrations
APPROVED

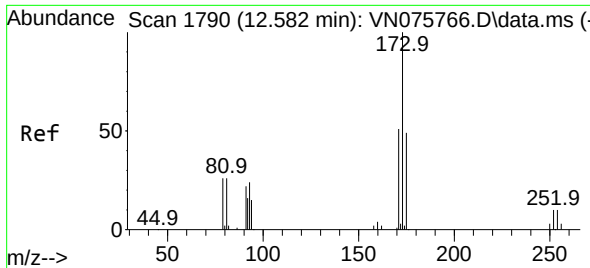
Reviewed By :John Carlone 12/19/2022
Supervised By :Mahesh Dadoda 12/19/2022



#70
Styrene
Concen: 53.792 ug/l
RT: 12.412 min Scan# 1761
Delta R.T. 0.000 min
Lab File: VN075861.D
Acq: 16 Dec 2022 20:38

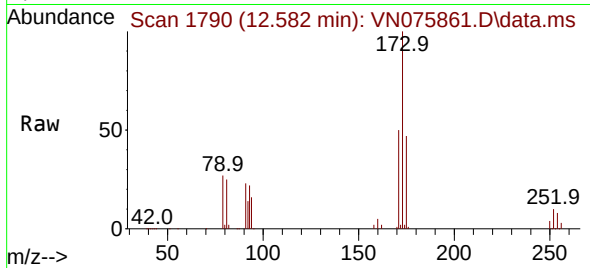
Tgt Ion:104 Resp: 553630
Ion Ratio Lower Upper
104 100
78 46.0 37.5 56.3
103 55.1 43.5 65.3





#71
Bromoform
Concen: 55.063 ug/l
RT: 12.582 min Scan# 1790
Delta R.T. 0.000 min
Lab File: VN075861.D
Acq: 16 Dec 2022 20:38

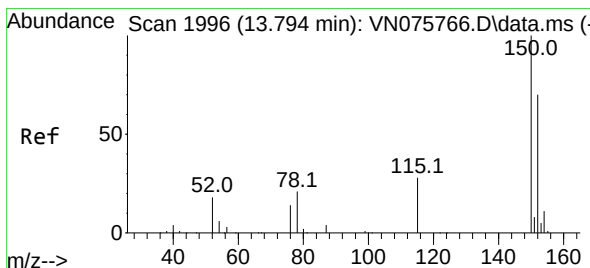
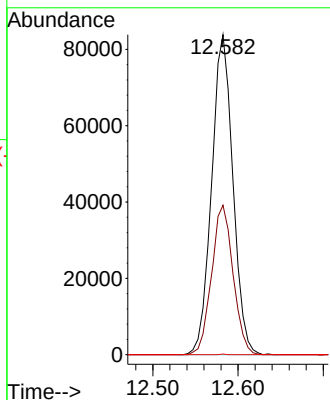
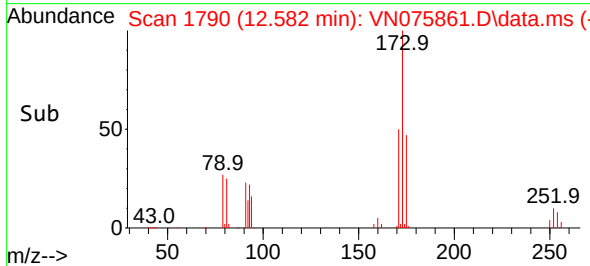
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC



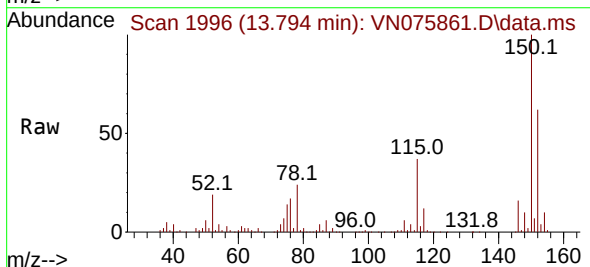
Tgt Ion:173 Resp: 145310
Ion Ratio Lower Upper
173 100
175 47.2 24.3 72.8
254 0.0 0.0 0.0

Manual Integrations
APPROVED

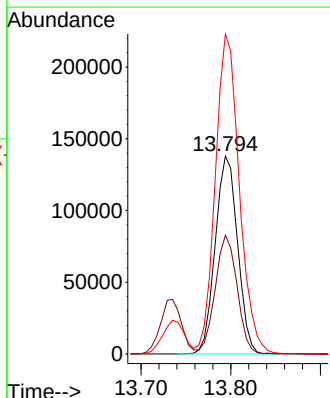
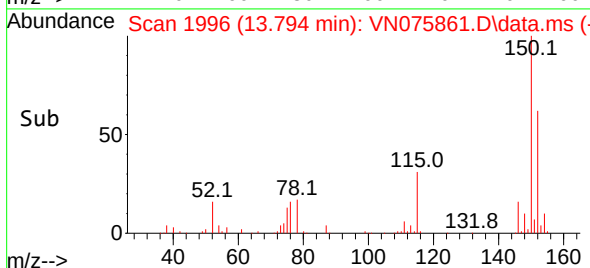
Reviewed By :John Carlone 12/19/2022
Supervised By :Mahesh Dadoda 12/19/2022

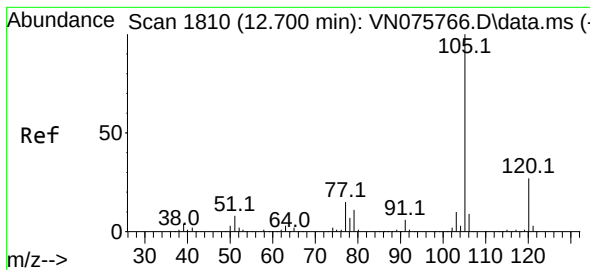


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 1996
Delta R.T. 0.000 min
Lab File: VN075861.D
Acq: 16 Dec 2022 20:38



Tgt Ion:152 Resp: 238287
Ion Ratio Lower Upper
152 100
115 59.1 29.1 87.4
150 173.9 0.0 347.0





#73

Isopropylbenzene

Concen: 51.109 ug/l

RT: 12.700 min Scan# 1810

Delta R.T. 0.000 min

Lab File: VN075861.D

Acq: 16 Dec 2022 20:38

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tgt Ion:105 Resp: 88008

Ion Ratio Lower Upper

105 100

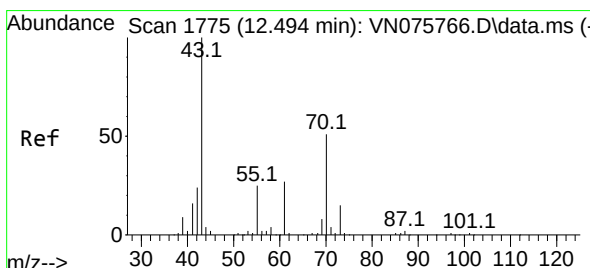
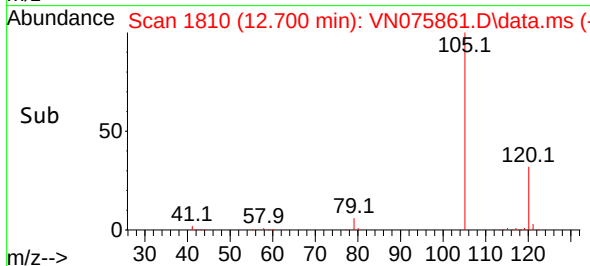
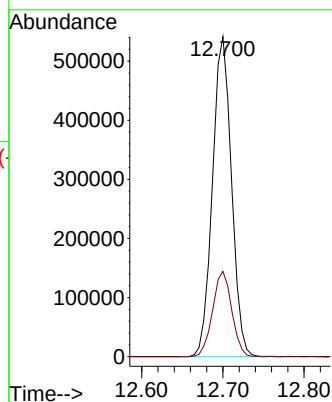
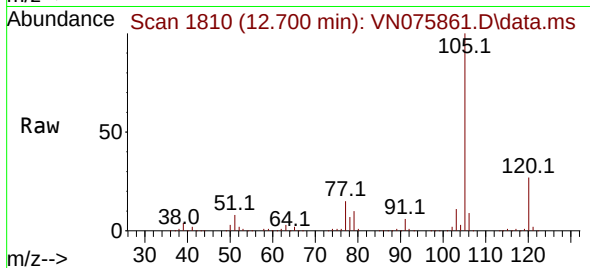
120 26.8 13.4 40.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/19/2022

Supervised By :Mahesh Dadoda 12/19/2022



#74

N-ethyl acetate

Concen: 55.578 ug/l

RT: 12.494 min Scan# 1775

Delta R.T. 0.000 min

Lab File: VN075861.D

Acq: 16 Dec 2022 20:38

Tgt Ion: 43 Resp: 280759

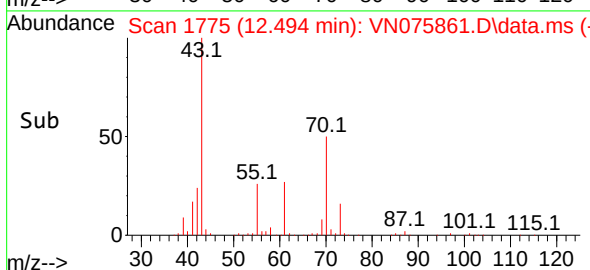
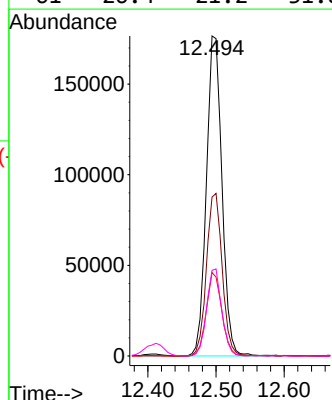
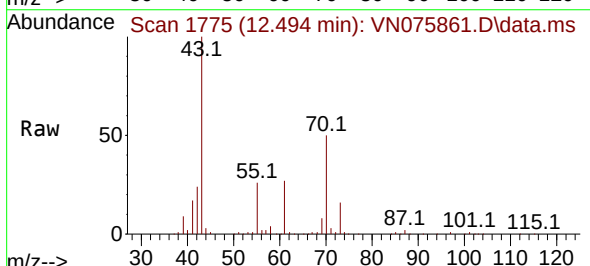
Ion Ratio Lower Upper

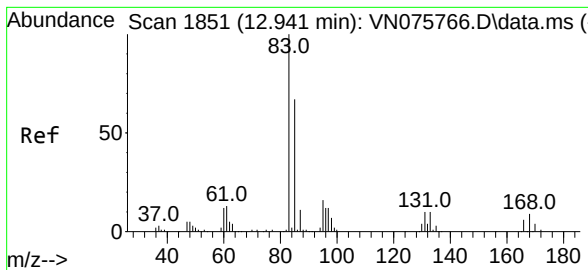
43 100

70 51.3 41.4 62.0

55 26.0 21.3 31.9

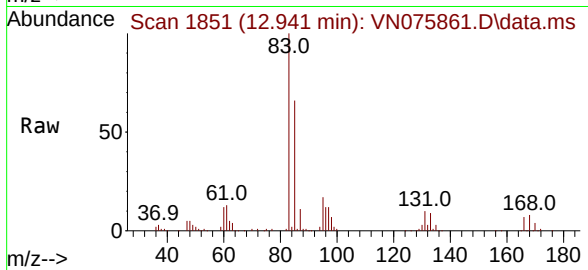
61 26.4 21.2 31.8





#75
1,1,2,2-Tetrachloroethane
Concen: 48.243 ug/l
RT: 12.941 min Scan# 1851
Delta R.T. 0.000 min
Lab File: VN075861.D
Acq: 16 Dec 2022 20:38

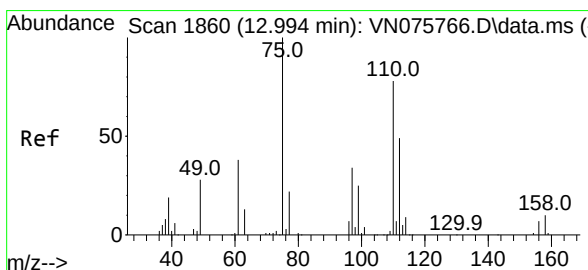
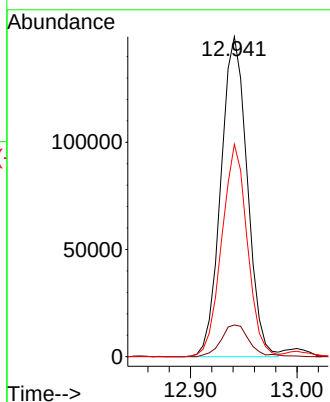
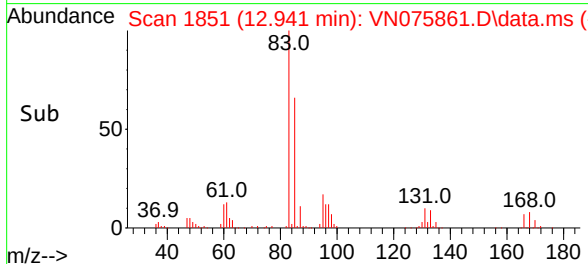
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC



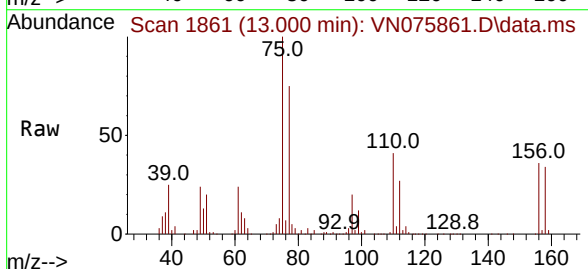
Tgt Ion: 83 Resp: 256812
Ion Ratio Lower Upper
83 100
131 10.7 5.6 16.8
85 64.3 32.6 98.0

Manual Integrations
APPROVED

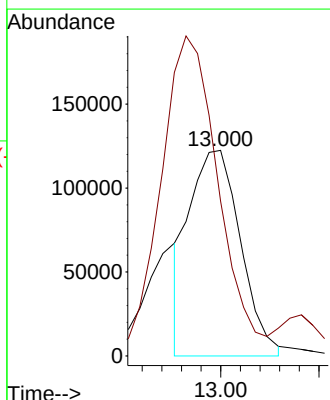
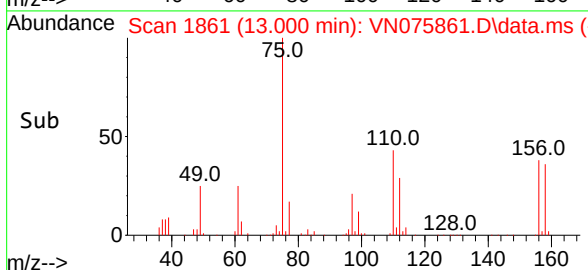
Reviewed By :John Carlone 12/19/2022
Supervised By :Mahesh Dadoda 12/19/2022

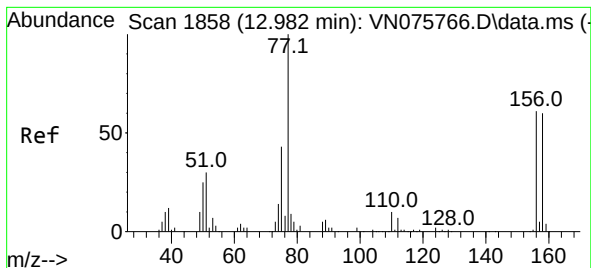


#76
1,2,3-Trichloropropane
Concen: 46.087 ug/l m
RT: 13.000 min Scan# 1861
Delta R.T. 0.006 min
Lab File: VN075861.D
Acq: 16 Dec 2022 20:38



Tgt Ion: 75 Resp: 221370
Ion Ratio Lower Upper
75 100
77 175.5 82.6 247.8





#77

Bromobenzene

Concen: 47.887 ug/l

RT: 12.982 min Scan# 1858

Delta R.T. 0.000 min

Lab File: VN075861.D

Acq: 16 Dec 2022 20:38

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

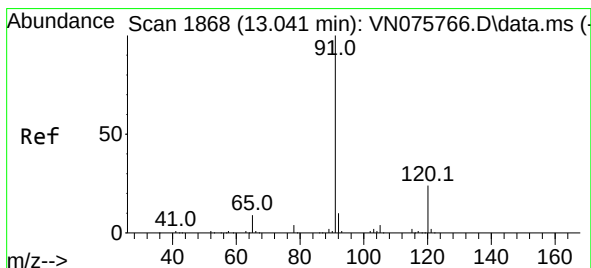
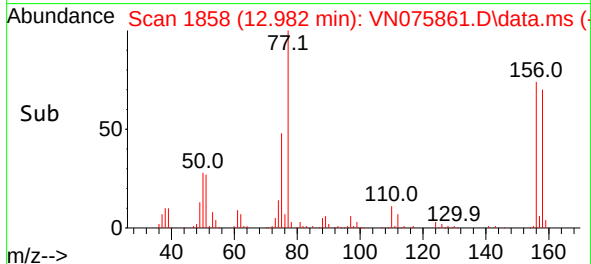
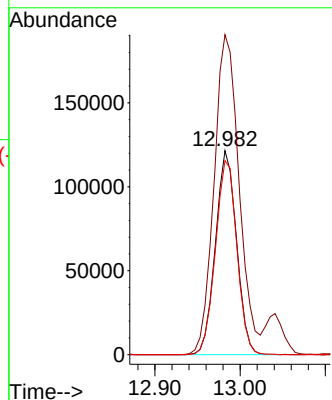
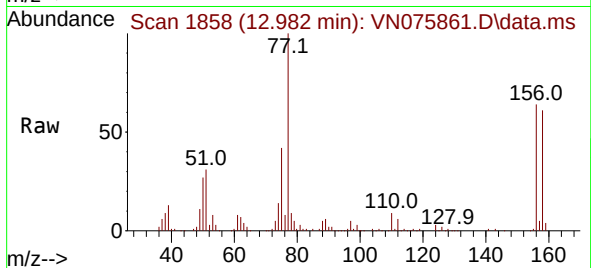
Tgt Ion:156 Resp: 208688
 Ion Ratio Lower Upper
 156 100
 77 186.2 93.8 281.3
 158 96.7 48.9 146.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/19/2022

Supervised By :Mahesh Dadoda 12/19/2022



#78

n-propylbenzene

Concen: 52.241 ug/l

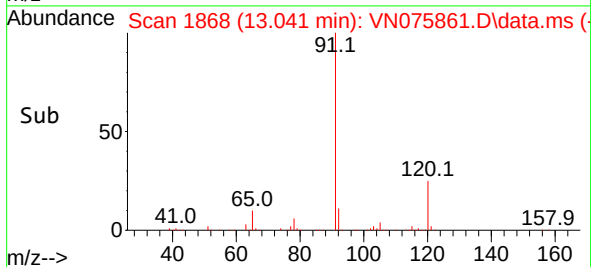
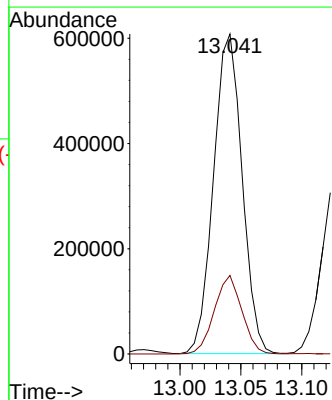
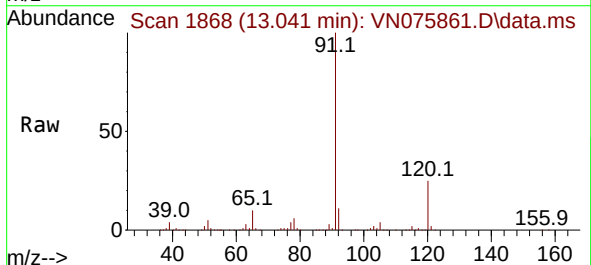
RT: 13.041 min Scan# 1868

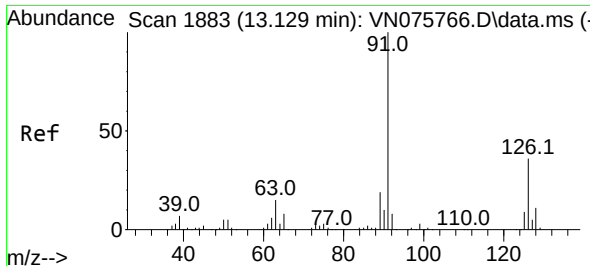
Delta R.T. 0.000 min

Lab File: VN075861.D

Acq: 16 Dec 2022 20:38

Tgt Ion: 91 Resp: 992169
 Ion Ratio Lower Upper
 91 100
 120 23.7 12.0 36.1





#79
2-Chlorotoluene
Concen: 49.264 ug/l
RT: 13.129 min Scan# 1883
Delta R.T. 0.000 min
Lab File: VN075861.D
Acq: 16 Dec 2022 20:38

Instrument :

MSVOA_N

ClientSampleId :

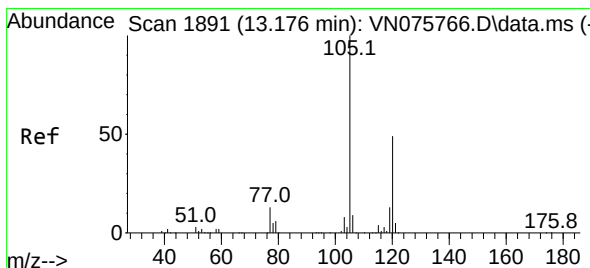
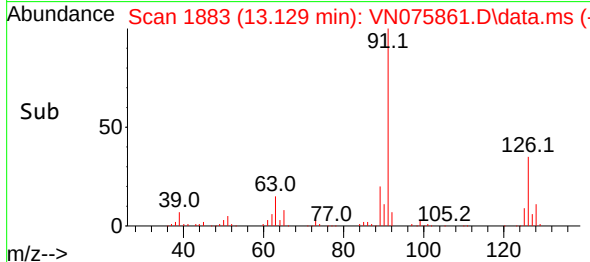
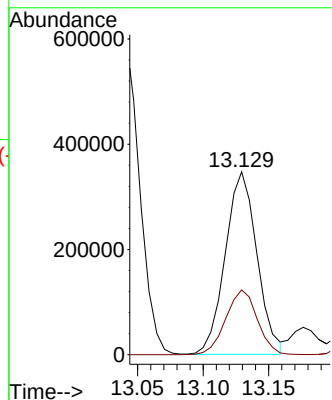
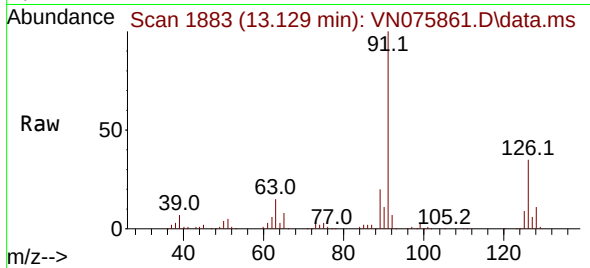
VSTDCCC050EC

Tgt Ion: 91 Resp: 584058
Ion Ratio Lower Upper
91 100
126 35.3 17.5 52.5

Manual Integrations

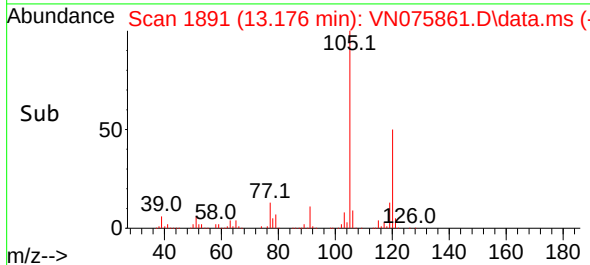
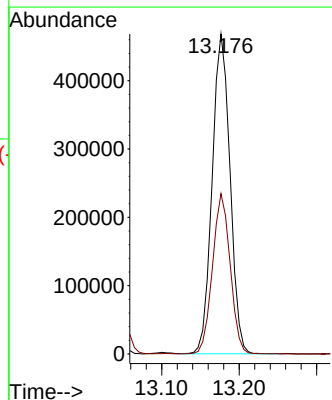
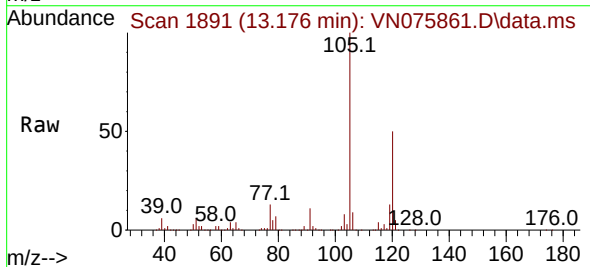
APPROVED

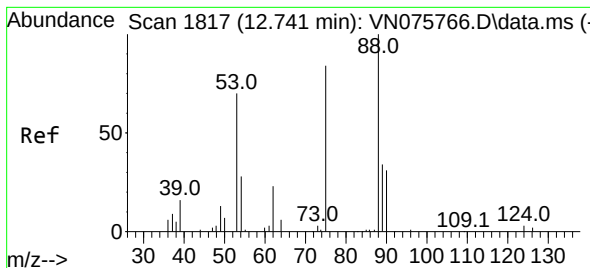
Reviewed By :John Carlone 12/19/2022
Supervised By :Mahesh Dadoda 12/19/2022



#80
1,3,5-Trimethylbenzene
Concen: 51.954 ug/l
RT: 13.176 min Scan# 1891
Delta R.T. 0.000 min
Lab File: VN075861.D
Acq: 16 Dec 2022 20:38

Tgt Ion:105 Resp: 748759
Ion Ratio Lower Upper
105 100
120 49.4 24.7 74.1





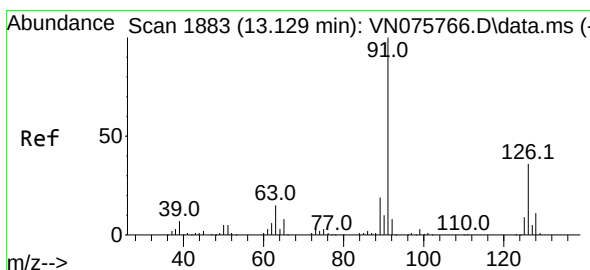
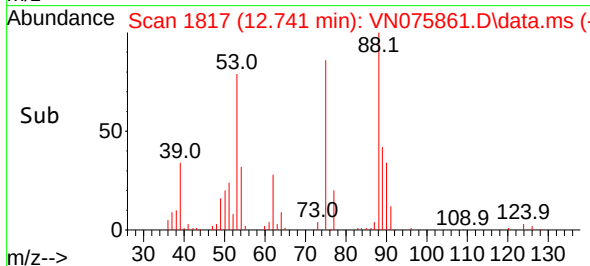
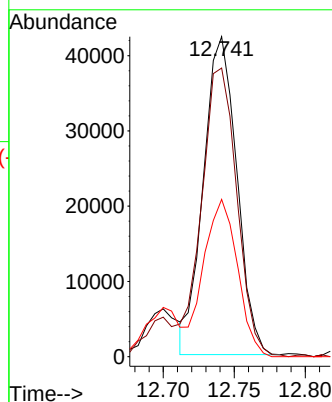
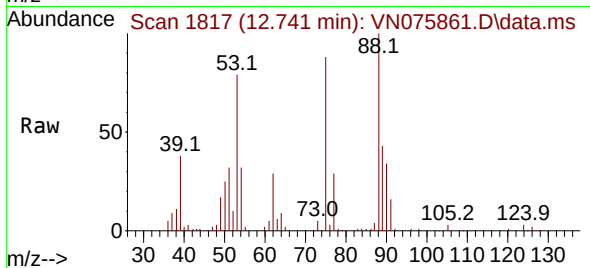
#81
trans-1,4-Dichloro-2-butene
Concen: 51.743 ug/l
RT: 12.741 min Scan# 1817
Delta R.T. 0.000 min
Lab File: VN075861.D
Acq: 16 Dec 2022 20:38

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 75 Resp: 6904
Ion Ratio Lower Upper
75 100
53 97.6 73.8 110.6
89 51.2 39.5 59.3

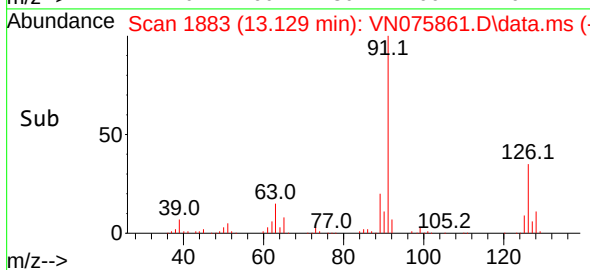
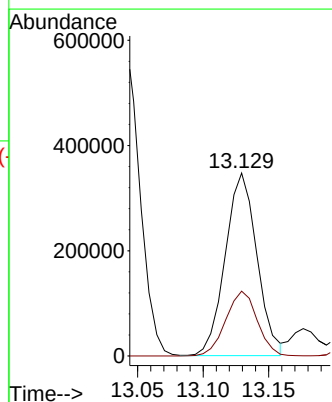
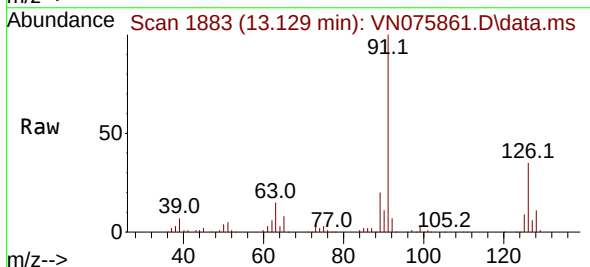
Manual Integrations
APPROVED

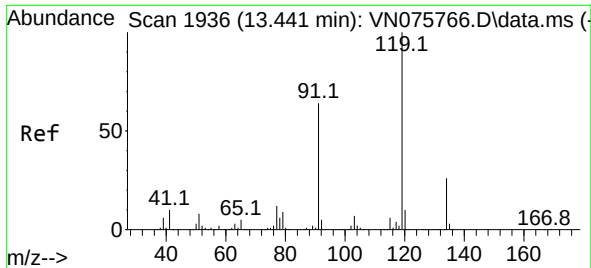
Reviewed By :John Carlone 12/19/2022
Supervised By :Mahesh Dadoda 12/19/2022



#82
4-Chlorotoluene
Concen: 49.264 ug/l
RT: 13.129 min Scan# 1883
Delta R.T. 0.000 min
Lab File: VN075861.D
Acq: 16 Dec 2022 20:38

Tgt Ion: 91 Resp: 584058
Ion Ratio Lower Upper
91 100
126 35.3 17.5 52.5





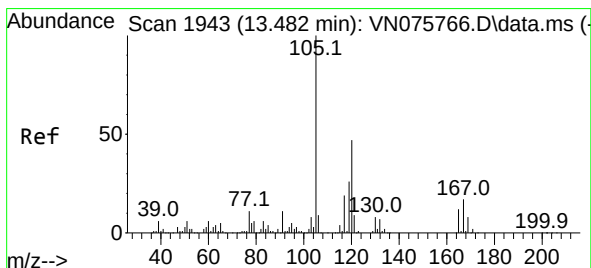
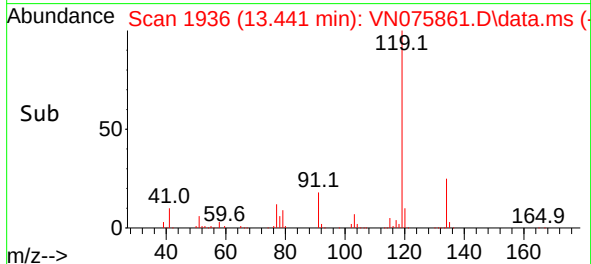
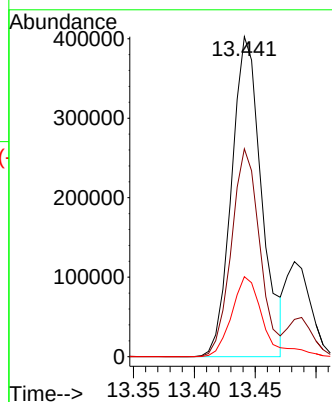
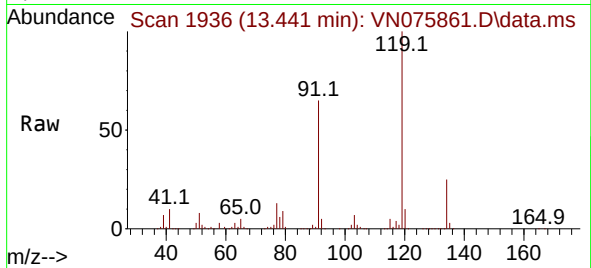
#83
tert-Butylbenzene
Concen: 54.297 ug/l
RT: 13.441 min Scan# 1936
Delta R.T. 0.000 min
Lab File: VN075861.D
Acq: 16 Dec 2022 20:38

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion:119 Resp: 689940
Ion Ratio Lower Upper
119 100
91 61.7 31.9 95.5
134 26.5 13.8 41.4

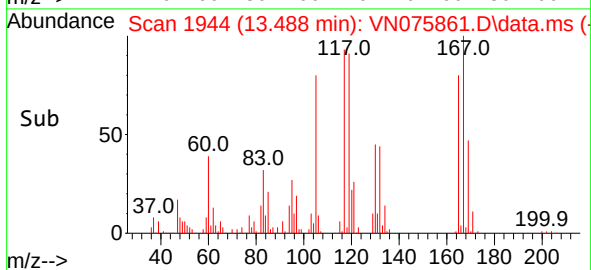
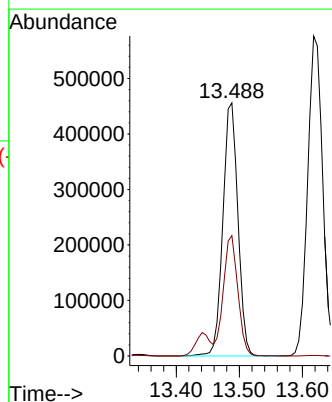
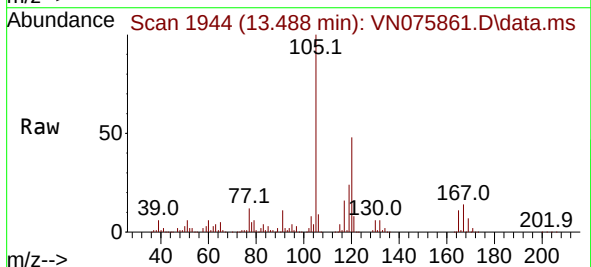
Manual Integrations
APPROVED

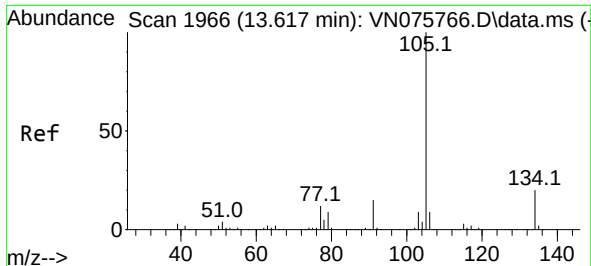
Reviewed By :John Carlone 12/19/2022
Supervised By :Mahesh Dadoda 12/19/2022



#84
1,2,4-Trimethylbenzene
Concen: 52.752 ug/l
RT: 13.488 min Scan# 1944
Delta R.T. 0.006 min
Lab File: VN075861.D
Acq: 16 Dec 2022 20:38

Tgt Ion:105 Resp: 754203
Ion Ratio Lower Upper
105 100
120 45.9 23.3 69.8





#85
 sec-Butylbenzene
 Concen: 54.006 ug/l
 RT: 13.618 min Scan# 1966
 Delta R.T. 0.000 min
 Lab File: VN075861.D
 Acq: 16 Dec 2022 20:38

Instrument :

MSVOA_N

ClientSampleId :

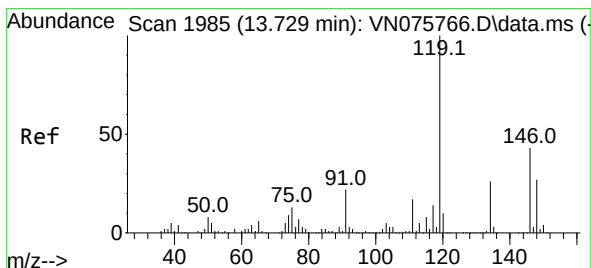
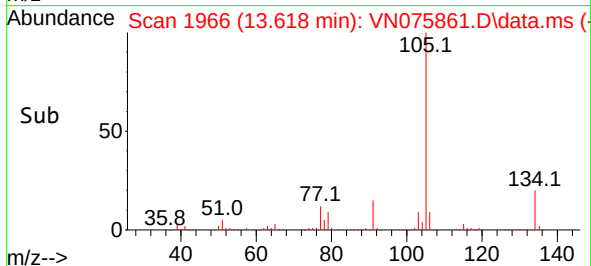
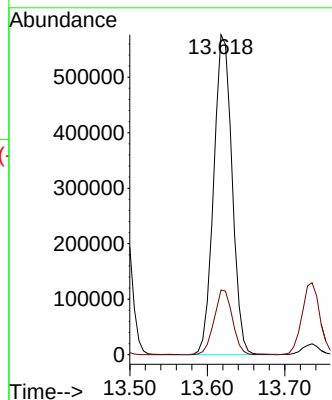
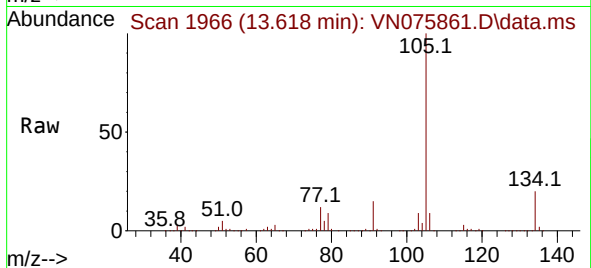
VSTDCCC050EC

Tgt Ion:105 Resp: 94718
 Ion Ratio Lower Upper
 105 100
 134 20.2 10.1 30.1

Manual Integrations

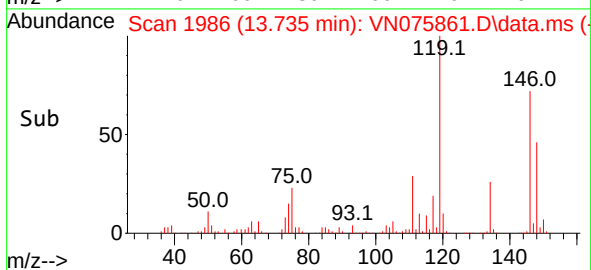
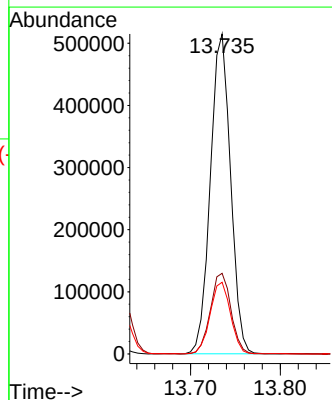
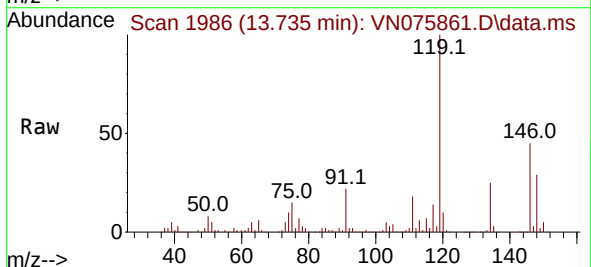
APPROVED

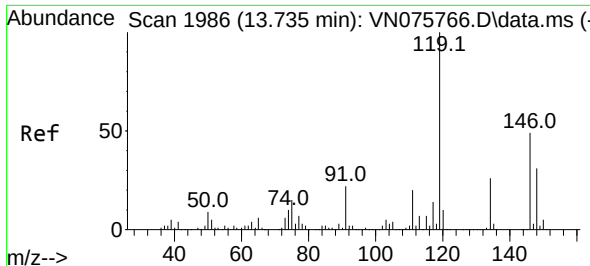
Reviewed By :John Carlone 12/19/2022
 Supervised By :Mahesh Dadoda 12/19/2022



#86
 p-Isopropyltoluene
 Concen: 55.081 ug/l
 RT: 13.735 min Scan# 1986
 Delta R.T. 0.006 min
 Lab File: VN075861.D
 Acq: 16 Dec 2022 20:38

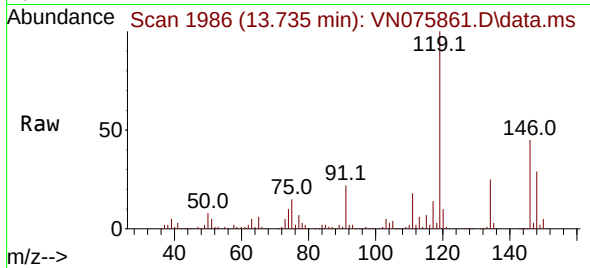
Tgt Ion:119 Resp: 803822
 Ion Ratio Lower Upper
 119 100
 134 25.9 13.0 39.0
 91 22.5 11.2 33.6





#87
1,3-Dichlorobenzene
Concen: 49.761 ug/l
RT: 13.735 min Scan# 1986
Delta R.T. 0.000 min
Lab File: VN075861.D
Acq: 16 Dec 2022 20:38

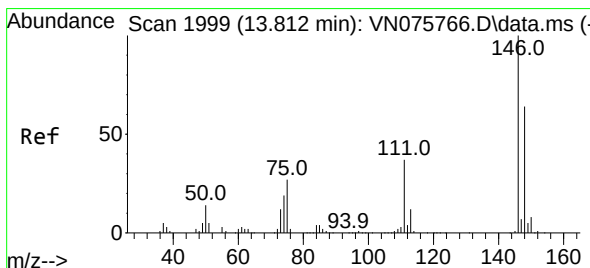
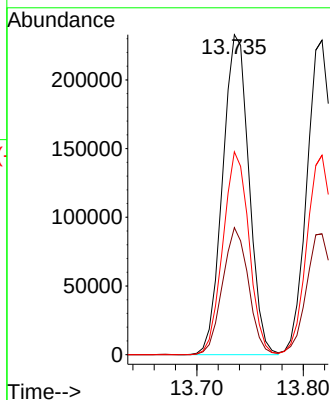
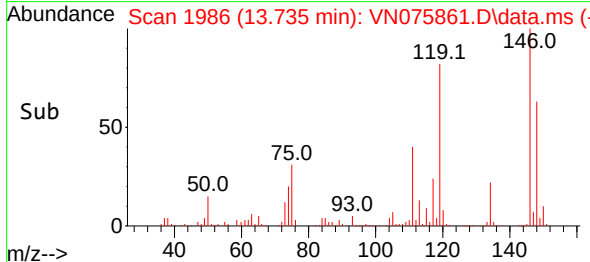
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC



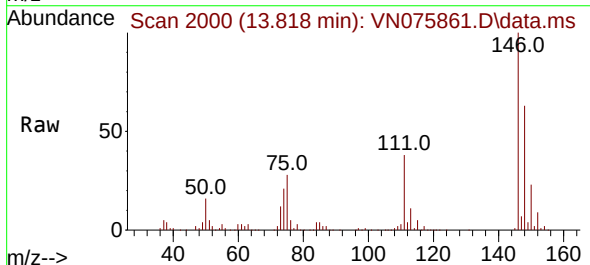
Tgt Ion:146 Resp: 400569
Ion Ratio Lower Upper
146 100
111 39.0 19.7 59.0
148 62.6 31.4 94.2

Manual Integrations
APPROVED

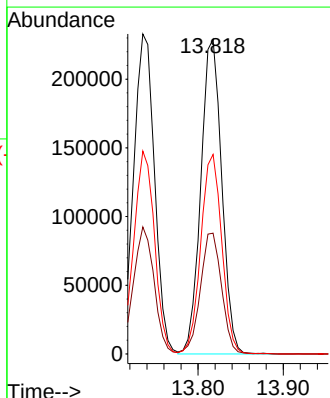
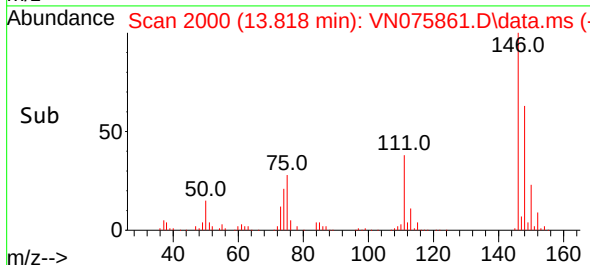
Reviewed By :John Carlone 12/19/2022
Supervised By :Mahesh Dadoda 12/19/2022

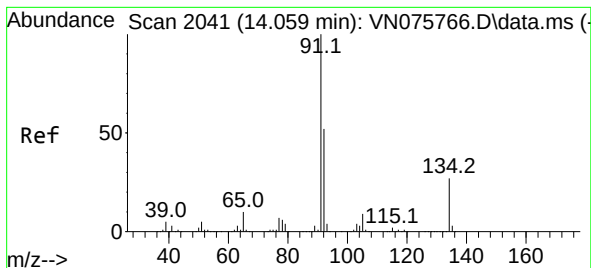


#88
1,4-Dichlorobenzene
Concen: 47.475 ug/l
RT: 13.818 min Scan# 2000
Delta R.T. 0.006 min
Lab File: VN075861.D
Acq: 16 Dec 2022 20:38



Tgt Ion:146 Resp: 390408
Ion Ratio Lower Upper
146 100
111 38.7 19.1 57.1
148 63.7 32.0 96.2





#89

n-Butylbenzene

Concen: 54.749 ug/l

RT: 14.059 min Scan# 2041

Delta R.T. 0.000 min

Lab File: VN075861.D

Acq: 16 Dec 2022 20:38

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 91 Resp: 64727

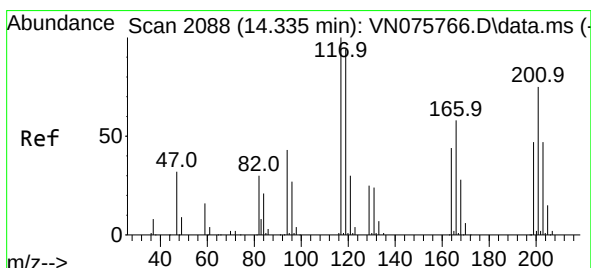
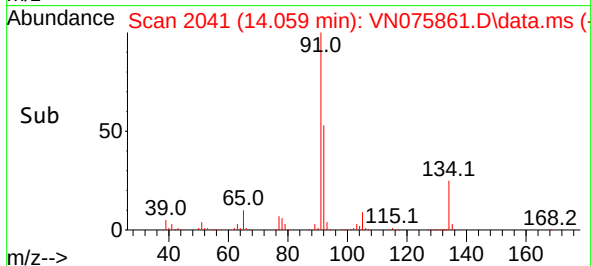
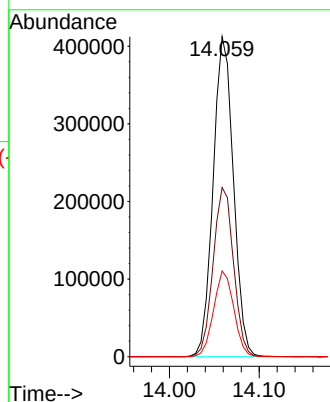
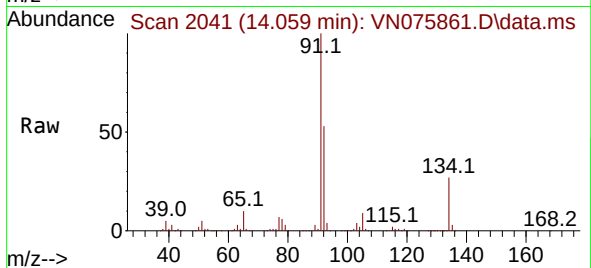
Ion	Ratio	Lower	Upper
91	100		
92	53.3	26.4	79.2
134	26.6	13.4	40.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/19/2022

Supervised By :Mahesh Dadoda 12/19/2022



#90

Hexachloroethane

Concen: 53.147 ug/l

RT: 14.335 min Scan# 2088

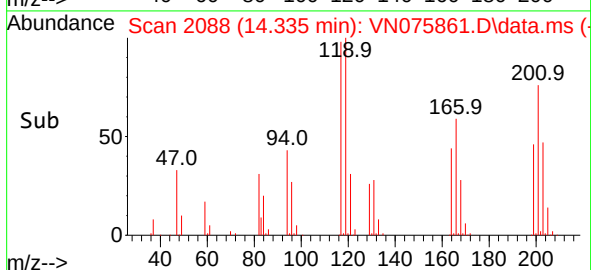
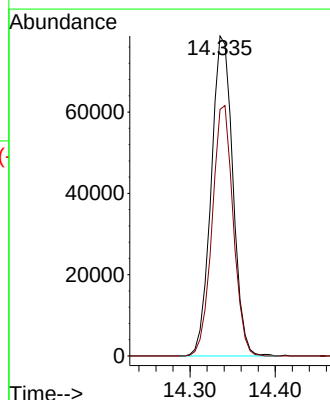
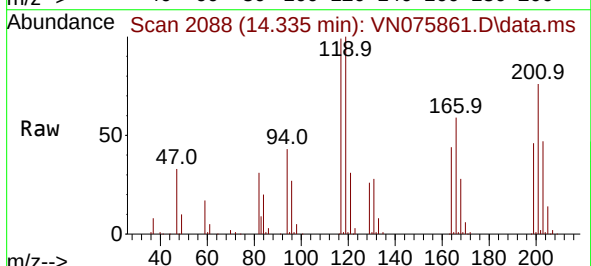
Delta R.T. 0.000 min

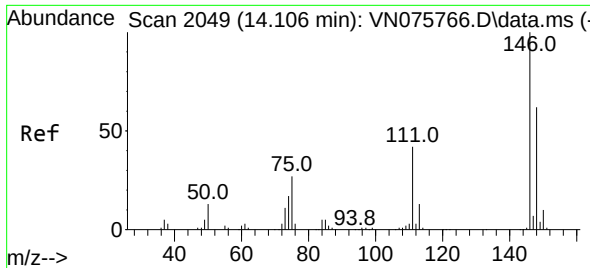
Lab File: VN075861.D

Acq: 16 Dec 2022 20:38

Tgt Ion:117 Resp: 138739

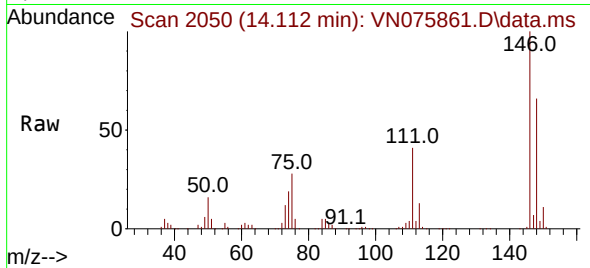
Ion	Ratio	Lower	Upper
117	100		
201	76.1	38.0	114.1





#91
1,2-Dichlorobenzene
Concen: 50.146 ug/l
RT: 14.112 min Scan# 2049
Delta R.T. 0.006 min
Lab File: VN075861.D
Acq: 16 Dec 2022 20:38

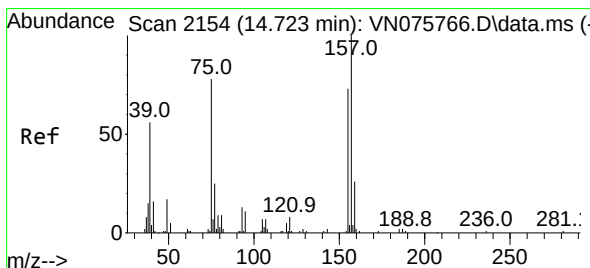
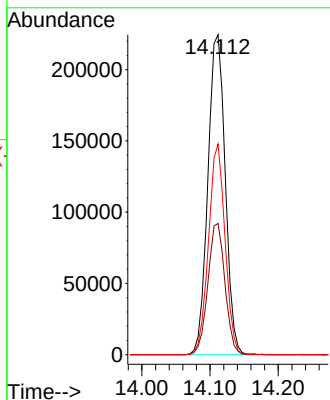
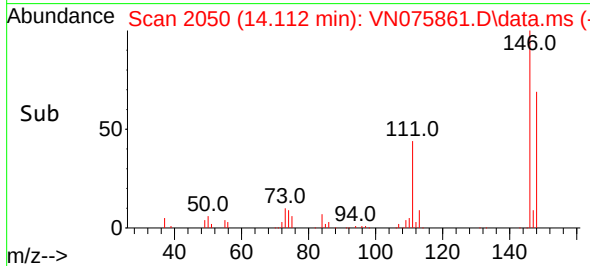
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC



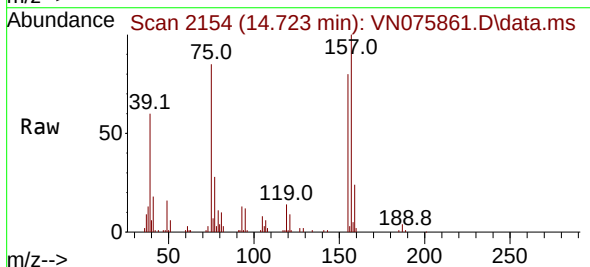
Tgt Ion:146 Resp: 397609
Ion Ratio Lower Upper
146 100
111 40.3 20.3 61.0
148 62.7 31.7 95.1

Manual Integrations
APPROVED

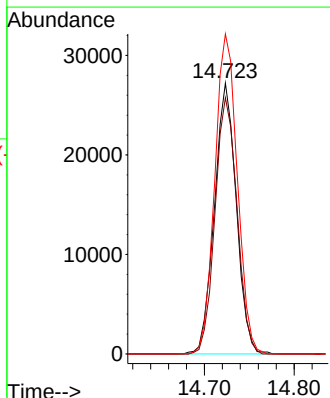
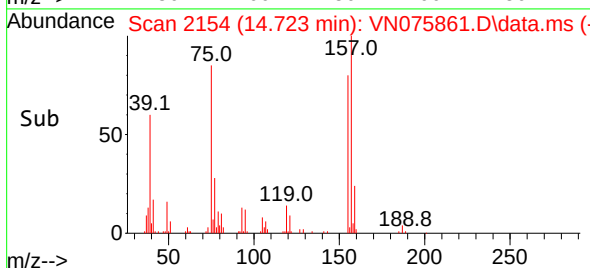
Reviewed By :John Carlone 12/19/2022
Supervised By :Mahesh Dadoda 12/19/2022

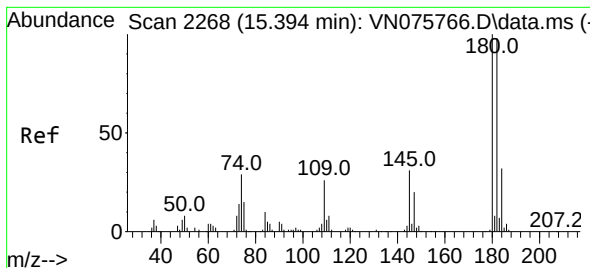


#92
1,2-Dibromo-3-Chloropropane
Concen: 48.719 ug/l
RT: 14.723 min Scan# 2154
Delta R.T. 0.000 min
Lab File: VN075861.D
Acq: 16 Dec 2022 20:38



Tgt Ion: 75 Resp: 46018
Ion Ratio Lower Upper
75 100
155 95.1 49.3 147.8
157 121.5 63.7 191.3





#93

1,2,4-Trichlorobenzene

Concen: 50.484 ug/l

RT: 15.400 min Scan# 2269

Delta R.T. 0.006 min

Lab File: VN075861.D

Acq: 16 Dec 2022 20:38

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

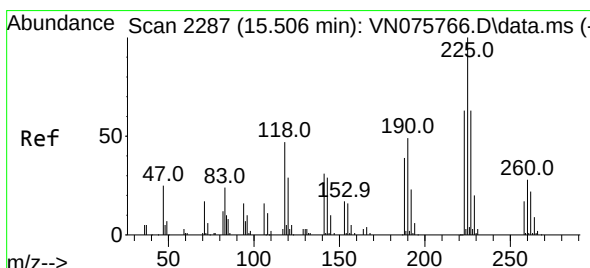
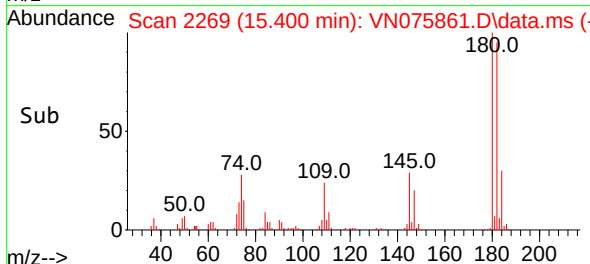
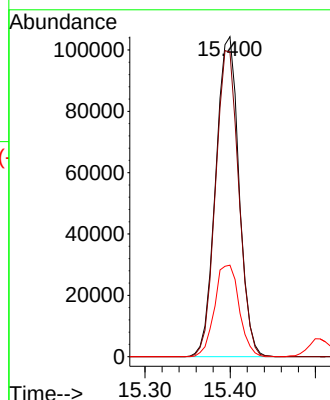
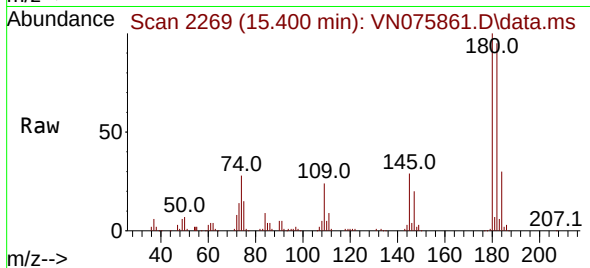
Tgt Ion:	180	Resp:	198170
Ion Ratio	Lower	Upper	
180	100		
182	95.1	47.5	142.5
145	30.2	15.3	45.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/19/2022

Supervised By :Mahesh Dadoda 12/19/2022



#94

Hexachlorobutadiene

Concen: 48.818 ug/l

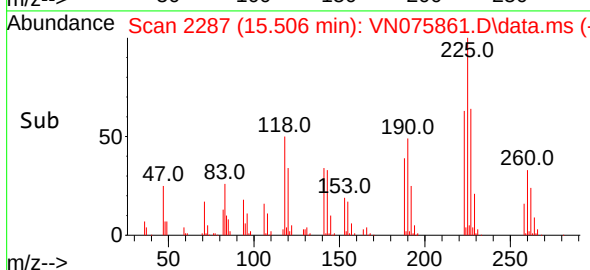
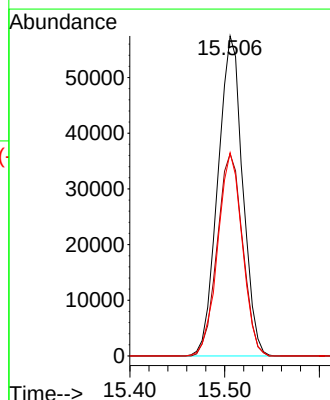
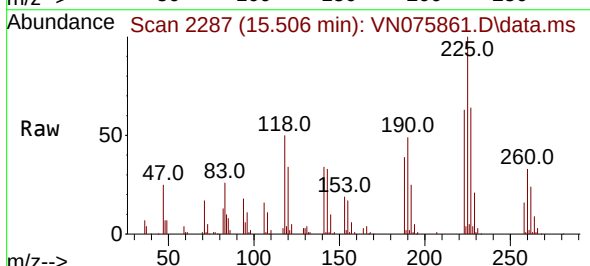
RT: 15.506 min Scan# 2287

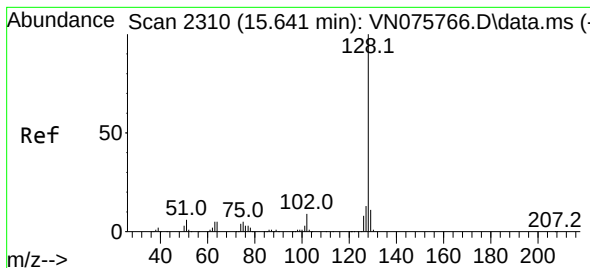
Delta R.T. 0.000 min

Lab File: VN075861.D

Acq: 16 Dec 2022 20:38

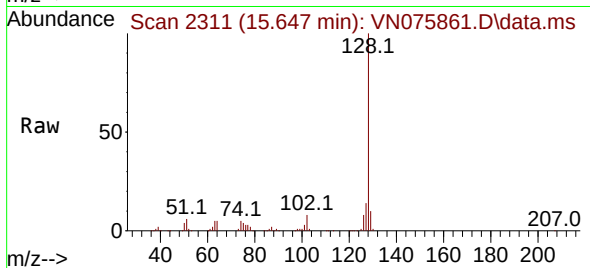
Tgt Ion:	225	Resp:	104555
Ion Ratio	Lower	Upper	
225	100		
223	64.6	31.5	94.5
227	62.8	31.6	95.0





#95
Naphthalene
Concen: 47.066 ug/l
RT: 15.647 min Scan# 2310
Delta R.T. 0.006 min
Lab File: VN075861.D
Acq: 16 Dec 2022 20:38

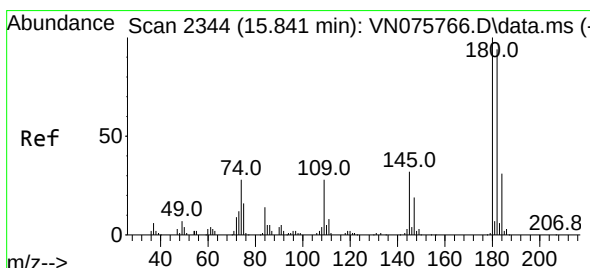
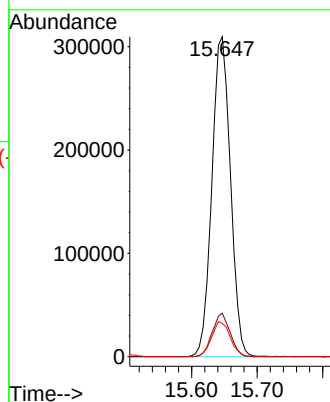
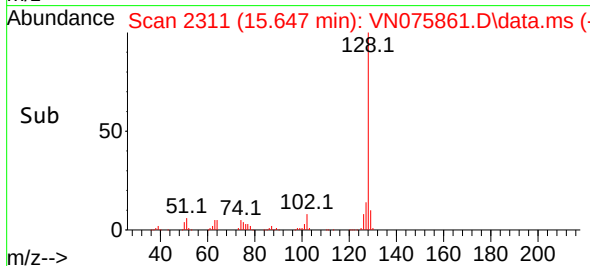
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC



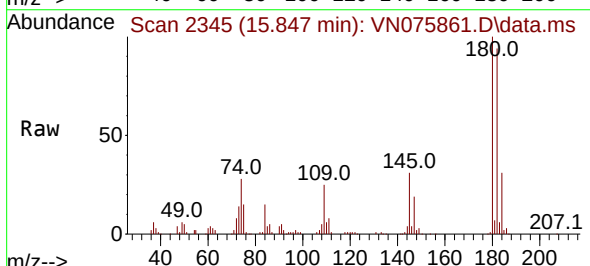
Tgt Ion:128 Resp: 60864
Ion Ratio Lower Upper
128 100
127 13.0 10.4 15.6
129 11.0 8.7 13.1

Manual Integrations
APPROVED

Reviewed By :John Carlone 12/19/2022
Supervised By :Mahesh Dadoda 12/19/2022



#96
1,2,3-Trichlorobenzene
Concen: 52.238 ug/l
RT: 15.847 min Scan# 2345
Delta R.T. 0.006 min
Lab File: VN075861.D
Acq: 16 Dec 2022 20:38



Tgt Ion:180 Resp: 191662
Ion Ratio Lower Upper
180 100
182 95.1 47.0 141.0
145 32.1 16.0 47.9

