

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN051622\
 Data File : VN072495.D
 Acq On : 16 May 2022 12:16
 Operator : JC\MD
 Sample : VSTDICC005
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC005

Manual Integrations
 APPROVED

Reviewed By : John Carlone 05/17/2022
 Supervised By : Mahesh Dadoda 05/17/2022

Quant Time: May 16 13:19:36 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N051622W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Mon May 16 13:19:02 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	7.657	128	25418	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	8.963	114	129717	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.739	117	120315	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.433	65	85847	37.208	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 124.033%#			
60) 4-Bromofluorobenzene	12.727	95	63905	32.136	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 107.133%			
63) Toluene-d8	10.439	98	205099	34.721	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 115.733%#			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.069	85	10781	6.935	ug/l	95
3) Chloromethane	2.304	50	9801	5.837	ug/l	90
4) Vinyl Chloride	2.446	62	8344	4.748	ug/l	98
5) Bromomethane	2.822	94	6384	6.100	ug/l	95
6) Chloroethane	2.993	64	5601	5.016	ug/l	97
7) Trichlorofluoromethane	3.363	101	19411	7.333	ug/l	91
8) Diethyl Ether	3.822	74	5711	5.916	ug/l	98
9) 1,1,2-Trichlorotrifluo...	4.210	101	8914m	6.219	ug/l	
10) 1,1-Dichloroethene	4.187	96	7971	5.883	ug/l #	93
11) Methyl Iodide	4.422	142	10437	5.246	ug/l	95
12) Methyl Acetate	4.851	43	12447m	6.074	ug/l	
13) Acrolein	4.045	56	10146m	40.063	ug/l	
14) Acrylonitrile	5.551	53	26112m	29.560	ug/l	
15) Acetone	4.281	58	7120m	29.027	ug/l	
16) Carbon Disulfide	4.534	76	19521	5.490	ug/l	100
17) Allyl chloride	4.845	41	13501m	5.912	ug/l	
18) Methylene Chloride	5.098	84	9469	5.777	ug/l	88
19) trans-1,2-Dichloroethene	5.592	96	8972	6.099	ug/l #	79
20) Diisopropyl ether	6.492	45	29127	6.113	ug/l	98
21) 1,1-Dichloroethane	6.386	63	18906	6.552	ug/l	94
22) cis-1,2-Dichloroethene	7.316	96	10000	5.682	ug/l #	87
23) tert-Butyl Alcohol	5.363	59	11552m	33.812	ug/l	
24) Methyl tert-Butyl Ether	5.610	73	30055	5.845	ug/l #	90
25) Chloroform	7.816	83	19142	6.422	ug/l	95
26) Cyclohexane	8.098	56	12730	5.239	ug/l #	92
29) 1,1-Dichloropropene	8.216	75	12254	6.181	ug/l	94
30) 2-Butanone	7.333	43	35617	31.440	ug/l	97
31) 2,2-Dichloropropane	7.316	77	15379	6.630	ug/l	96
32) 1,1,1-Trichloroethane	8.010	97	18949	7.565	ug/l #	83
33) Carbon Tetrachloride	8.204	117	15577	7.087	ug/l	98
34) Benzene	8.457	78	36759	6.094	ug/l #	87
35) Methacrylonitrile	7.628	41	7333	6.636	ug/l	78
36) 1,2-Dichloroethane	8.528	62	17709	7.484	ug/l #	85
37) Trichloroethene	9.210	130	10214	6.437	ug/l	98
38) Methylcyclohexane	9.457	83	12955	5.333	ug/l	88
39) 1,2-Dichloropropane	9.486	63	9059	5.948	ug/l	89
40) Dibromomethane	9.575	93	7249	6.724	ug/l	85
41) Bromodichloromethane	9.757	83	14933	6.846	ug/l #	96
42) Vinyl Acetate	6.434	43	106017	27.446	ug/l	97

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN051622\
 Data File : VN072495.D
 Acq On : 16 May 2022 12:16
 Operator : JC\MD
 Sample : VSTDICC005
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC005

Manual Integrations
 APPROVED

Reviewed By : John Carlone 05/17/2022
 Supervised By : Mahesh Dadoda 05/17/2022

Quant Time: May 16 13:19:36 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N051622W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Mon May 16 13:19:02 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	7.398	43	14971m	6.932	ug/l	
44) Isopropyl Acetate	8.557	43	22018	6.201	ug/l	99
45) 1,4-Dioxane	9.569	88	3842	110.201	ug/l	97
46) Methyl methacrylate	9.557	41	10386	6.677	ug/l	91
47) n-amyl Acetate	12.386	43	11216	4.849	ug/l	93
48) t-1,3-Dichloropropene	10.716	75	14535	6.228	ug/l #	86
49) cis-1,3-Dichloropropene	10.186	75	14855	5.955	ug/l #	85
50) 1,1,2-Trichloroethane	10.892	97	10010	6.470	ug/l #	89
51) Ethyl methacrylate	10.757	69	12958	5.406	ug/l	95
52) 1,3-Dichloropropane	11.039	76	16945	6.367	ug/l	97
53) Dibromochloromethane	11.233	129	11045	6.436	ug/l	99
54) 1,2-Dibromoethane	11.345	107	10124	6.311	ug/l	95
55) 2-Chloroethyl vinyl ether	10.039	63	14068	23.210	ug/l	99
56) Bromoform	12.457	173	8373	6.524	ug/l #	87
58) 4-Methyl-2-Pentanone	10.327	43	65473	30.024	ug/l	99
59) 2-Hexanone	11.086	43	45253	28.327	ug/l	100
61) Tetrachloroethene	10.974	164	9586	6.829	ug/l	89
62) Toluene	10.504	91	41569	6.220	ug/l	98
64) Chlorobenzene	11.769	112	25542	6.188	ug/l	94
65) 1,1,1,2-Tetrachloroethane	11.833	131	10224	6.378	ug/l	99
66) Ethyl Benzene	11.839	91	40919	5.557	ug/l	98
67) m/p-Xylenes	11.951	106	30909	10.929	ug/l	95
68) o-Xylene	12.274	106	15241	5.405	ug/l	98
69) Styrene	12.292	104	22497	5.068	ug/l	95
70) Isopropylbenzene	12.574	105	38045	5.305	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.827	83	13298	5.787	ug/l	96
72) 1,2,3-Trichloropropane	12.874	75	13474m	6.616	ug/l	
73) Bromobenzene	12.857	156	10090	5.778	ug/l	97
74) n-propylbenzene	12.916	91	39128	5.039	ug/l	99
75) 2-Chlorotoluene	13.004	91	28236	5.657	ug/l	96
76) 1,3,5-Trimethylbenzene	13.051	105	32249	5.500	ug/l	96
77) t-1,4-Dichloro-2-butene	12.621	75	3567	5.253	ug/l	97
78) 4-Chlorotoluene	13.098	91	24851	5.381	ug/l	96
79) tert-butylbenzene	13.321	119	28549	5.447	ug/l	96
80) 1,2,4-Trimethylbenzene	13.363	105	30005	5.259	ug/l #	81
81) sec-Butylbenzene	13.498	105	35817	5.129	ug/l	95
82) p-Isopropyltoluene	13.615	119	27641	4.836	ug/l	97
83) 1,3-Dichlorobenzene	13.615	146	15998	5.563	ug/l	98
84) 1,4-Dichlorobenzene	13.686	146	15629	5.657	ug/l	93
85) n-Butylbenzene	13.939	91	19945	4.786	ug/l	97
86) Hexachloroethane	14.204	117	6238	5.964	ug/l	75
87) 1,2-Dichlorobenzene	13.986	146	15645	5.601	ug/l	99
88) 1,2-Dibromo-3-Chloropr...	14.604	75	2587	5.747	ug/l #	73
89) 1,2,4-Trichlorobenzene	15.257	180	5290	4.237	ug/l	96
90) Hexachlorobutadiene	15.368	225	4963	6.388	ug/l	94
91) Naphthalene	15.504	128	11553	3.291	ug/l #	94
92) 1,2,3-Trichlorobenzene	15.692	180	5528	4.428	ug/l	99

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

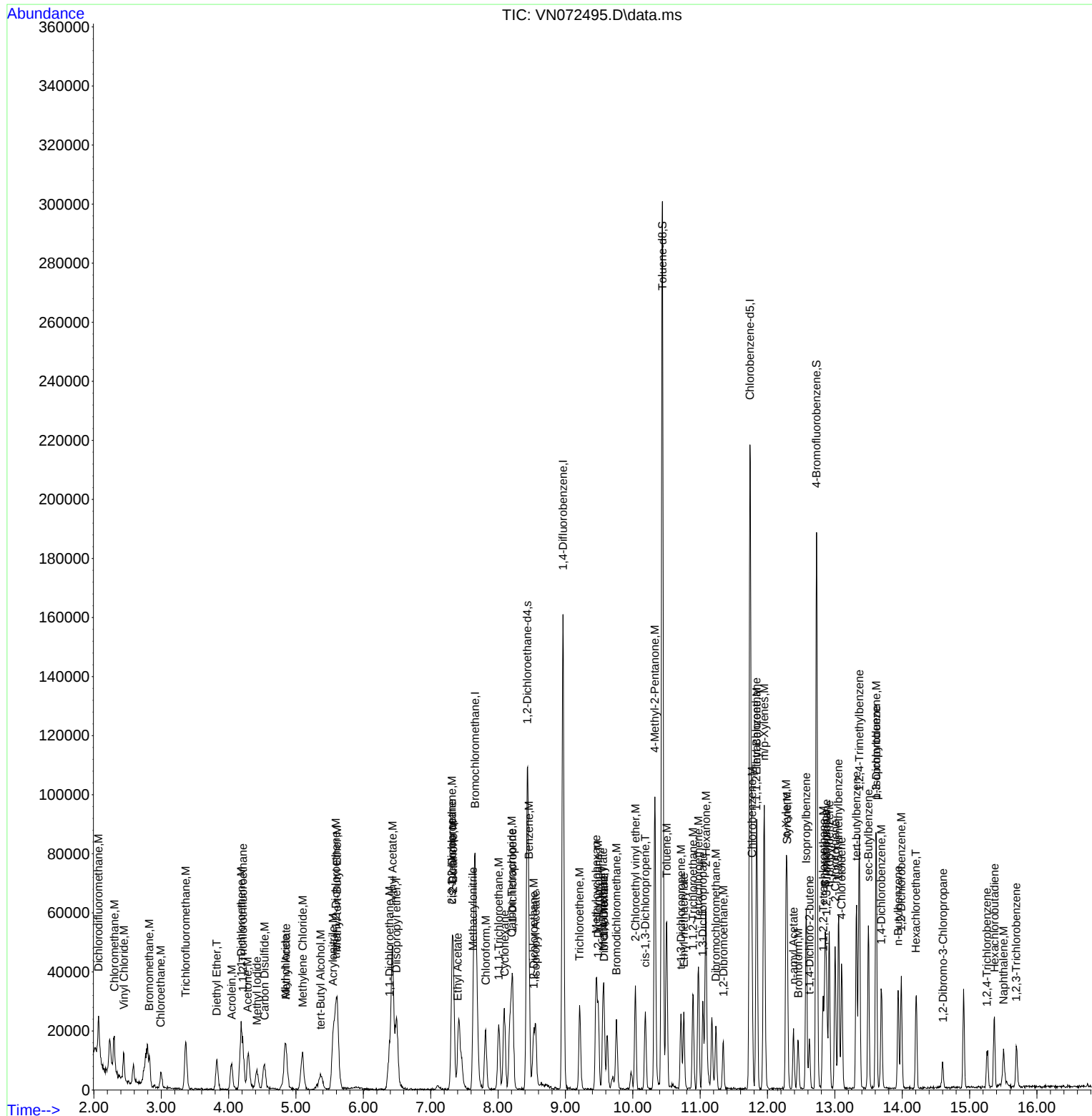
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN051622\
Data File : VN072495.D
Acq On : 16 May 2022 12:16
Operator : JC\MD
Sample : VSTDIC005
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 2 Sample Multiplier: 1

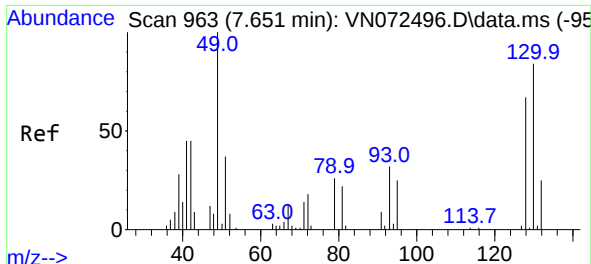
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MSVOA_N
ClientSampleId :
VSTDIC005

Manual Integrations
APPROVED

Reviewed By : John Carlone 05/17/2022
Supervised By : Mahesh Dadoda 05/17/2022

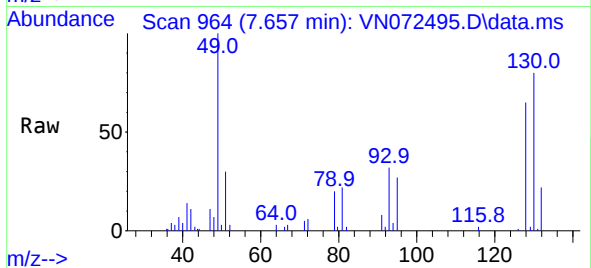
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N051622W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Mon May 16 13:19:02 2022
Response via : Initial Calibration





#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.657 min Scan# 90
Delta R.T. 0.006 min
Lab File: VN072495.D
Acq: 16 May 2022 12:16

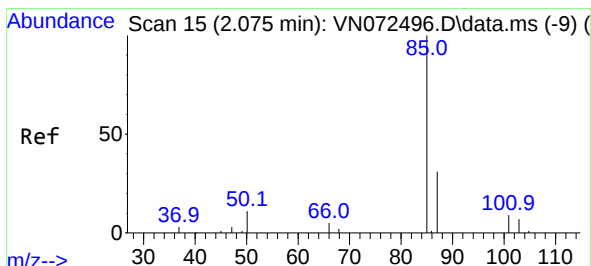
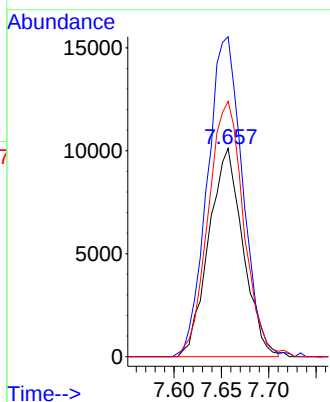
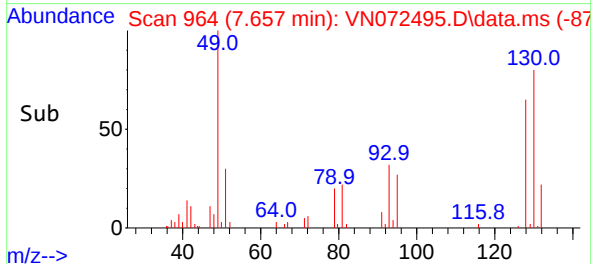
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005



Tgt Ion:128 Resp: 25418
Ion Ratio Lower Upper
128 100
49 157.8 0.0 392.3
130 126.5 0.0 320.2

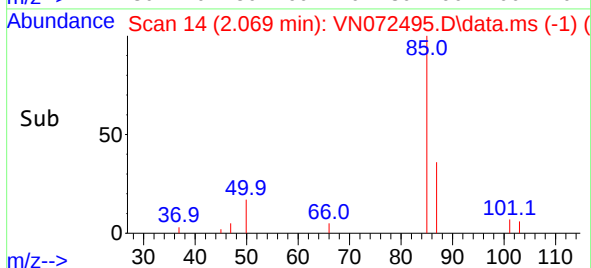
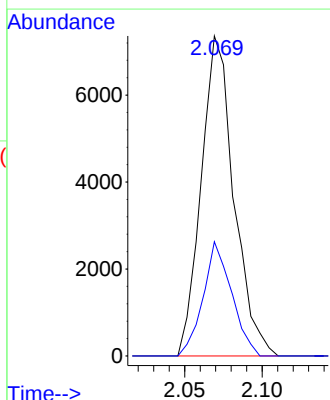
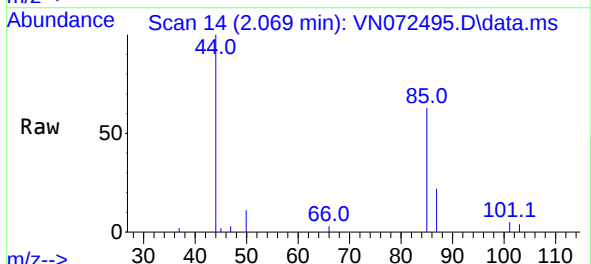
Manual Integrations
APPROVED

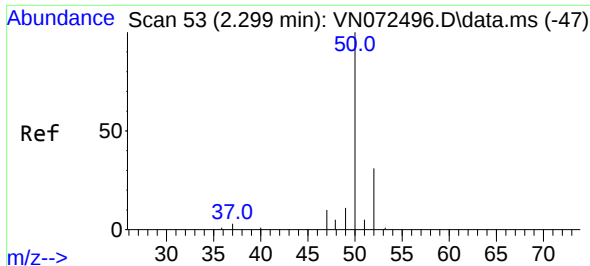
Reviewed By :John Carlone 05/17/2022
Supervised By :Mahesh Dadoda 05/17/2022



#2
Dichlorodifluoromethane
Concen: 6.935 ug/l
RT: 2.069 min Scan# 14
Delta R.T. -0.006 min
Lab File: VN072495.D
Acq: 16 May 2022 12:16

Tgt Ion: 85 Resp: 10781
Ion Ratio Lower Upper
85 100
87 35.7 16.6 49.7





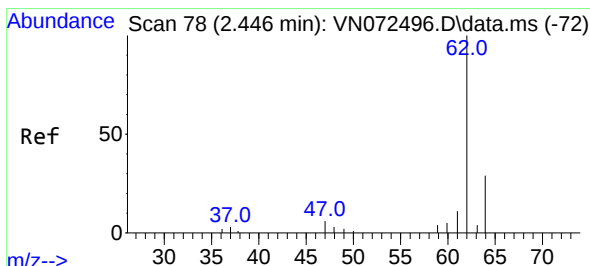
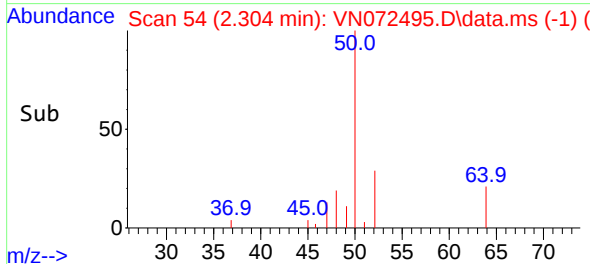
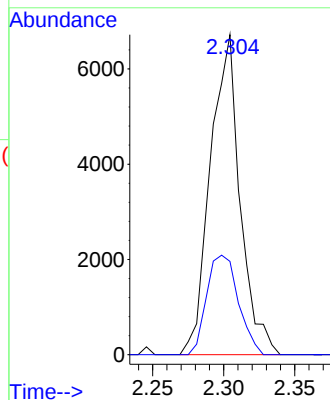
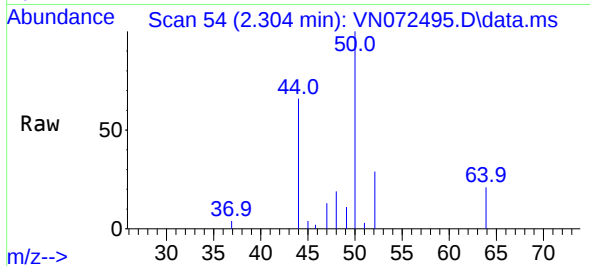
#3
Chloromethane
Concen: 5.837 ug/l
RT: 2.304 min Scan# 54
Delta R.T. 0.006 min
Lab File: VN072495.D
Acq: 16 May 2022 12:16

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion: 50 Resp: 980
Ion Ratio Lower Upper
50 100
52 29.2 27.8 41.6

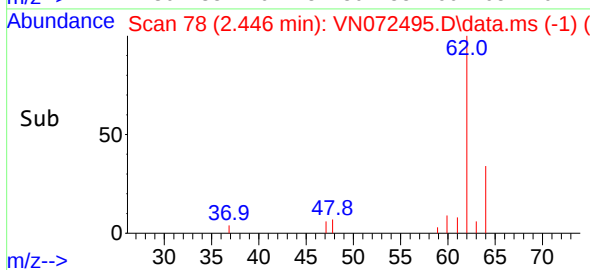
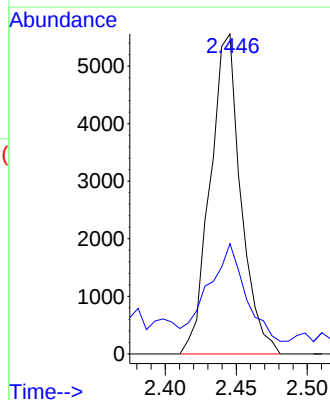
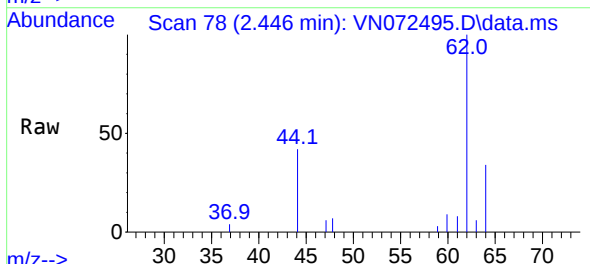
Manual Integrations
APPROVED

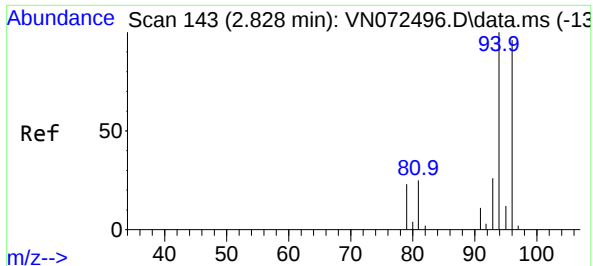
Reviewed By :John Carlone 05/17/2022
Supervised By :Mahesh Dadoda 05/17/2022



#4
Vinyl Chloride
Concen: 4.748 ug/l
RT: 2.446 min Scan# 78
Delta R.T. -0.000 min
Lab File: VN072495.D
Acq: 16 May 2022 12:16

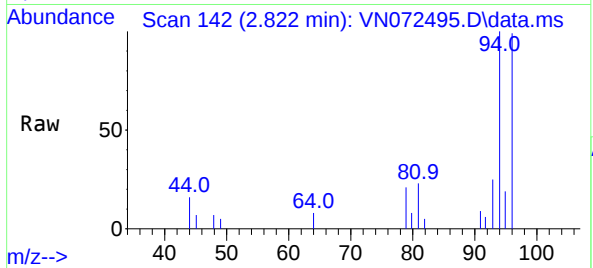
Tgt Ion: 62 Resp: 8344
Ion Ratio Lower Upper
62 100
64 30.5 25.1 37.7





#5
Bromomethane
Concen: 6.100 ug/l
RT: 2.822 min Scan# 14
Delta R.T. -0.006 min
Lab File: VN072495.D
Acq: 16 May 2022 12:16

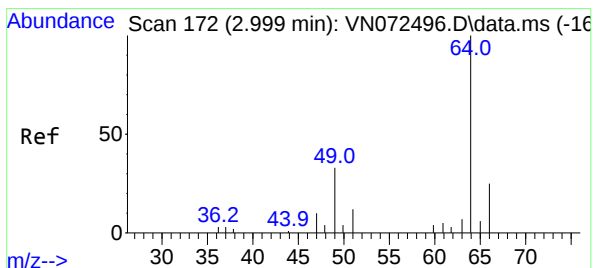
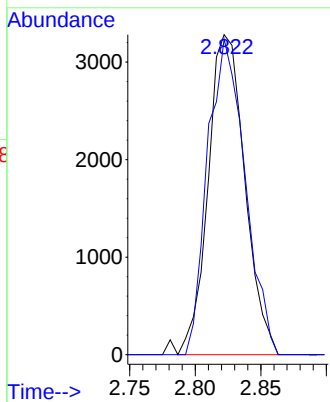
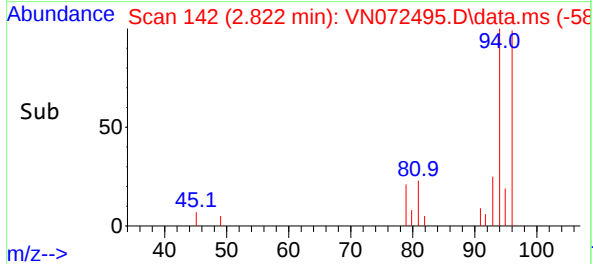
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005



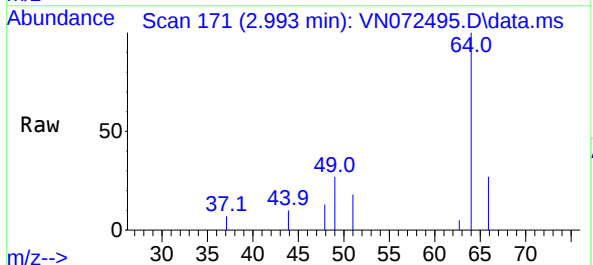
Tgt Ion: 94 Resp: 6384
Ion Ratio Lower Upper
94 100
96 98.6 75.2 112.8

Manual Integrations
APPROVED

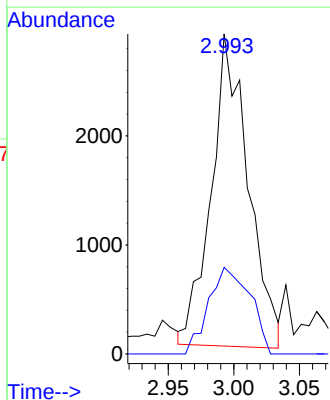
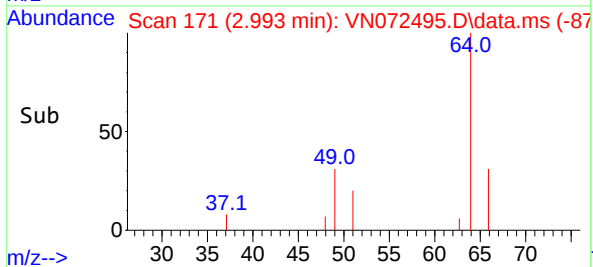
Reviewed By :John Carlone 05/17/2022
Supervised By :Mahesh Dadoda 05/17/2022



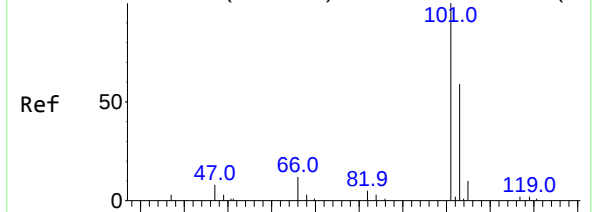
#6
Chloroethane
Concen: 5.016 ug/l
RT: 2.993 min Scan# 171
Delta R.T. -0.006 min
Lab File: VN072495.D
Acq: 16 May 2022 12:16



Tgt Ion: 64 Resp: 5601
Ion Ratio Lower Upper
64 100
66 29.1 24.6 36.8

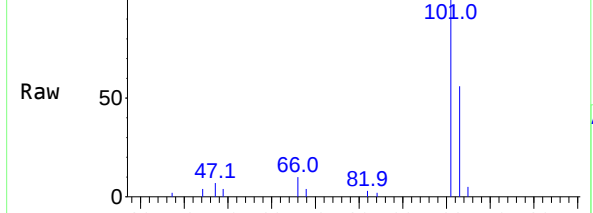


Abundance Scan 235 (3.369 min): VN072496.D\data.ms (-22



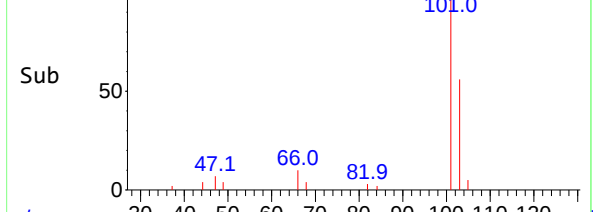
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Abundance Scan 234 (3.363 min): VN072495.D\data.ms



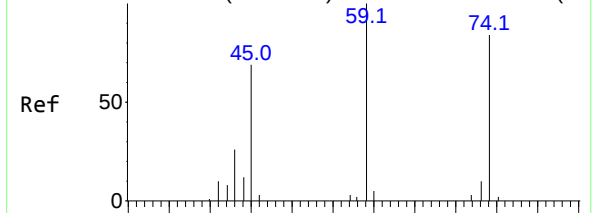
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Abundance Scan 234 (3.363 min): VN072495.D\data.ms (-15



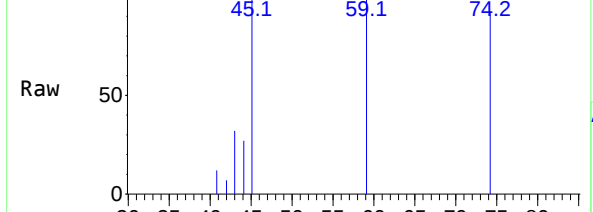
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Abundance Scan 312 (3.822 min): VN072496.D\data.ms (-30



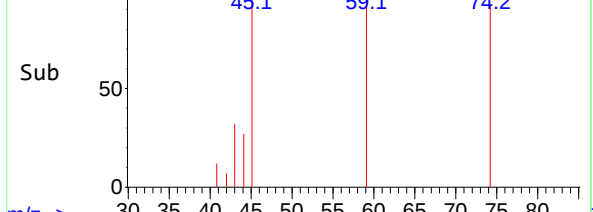
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Abundance Scan 312 (3.822 min): VN072495.D\data.ms



m/z-->

Abundance Scan 312 (3.822 min): VN072495.D\data.ms (-27



m/z-->

#7

Trichlorofluoromethane

Concen: 7.333 ug/l

RT: 3.363 min Scan# 21

Delta R.T. -0.006 min

Lab File: VN072495.D

Acq: 16 May 2022 12:16

Tgt Ion:101 Resp: 1941

Ion Ratio Lower Upper

101 100

103 55.8 50.1 75.1

Instrument :

MSVOA_N

ClientSampleId :

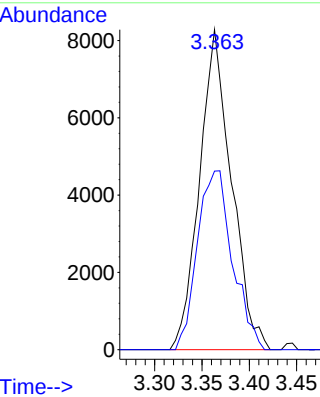
VSTDIC005

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/17/2022

Supervised By :Mahesh Dadoda 05/17/2022



#8

Diethyl Ether

Concen: 5.916 ug/l

RT: 3.822 min Scan# 312

Delta R.T. -0.000 min

Lab File: VN072495.D

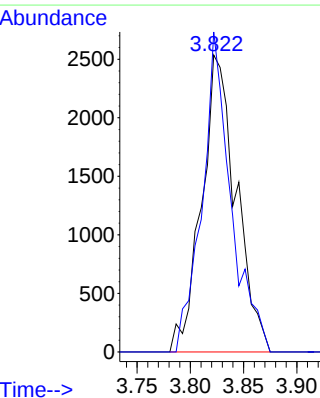
Acq: 16 May 2022 12:16

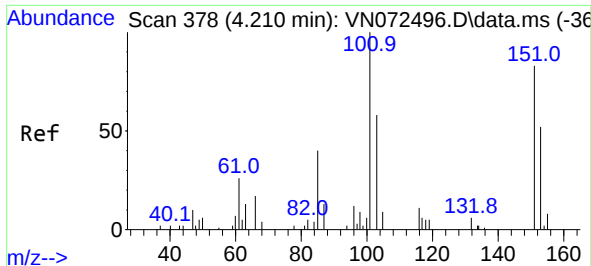
Tgt Ion: 74 Resp: 5711

Ion Ratio Lower Upper

74 100

45 90.0 17.6 158.8





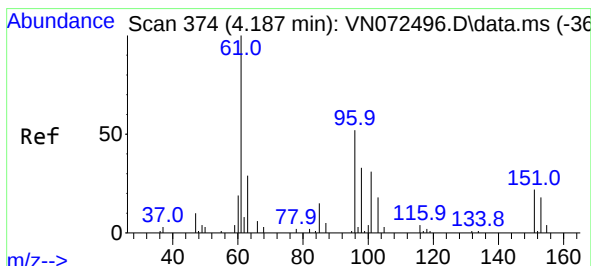
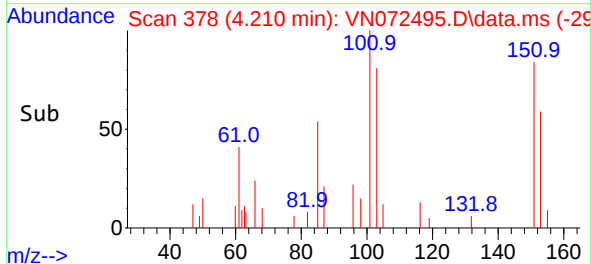
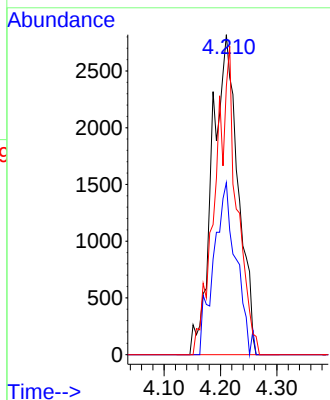
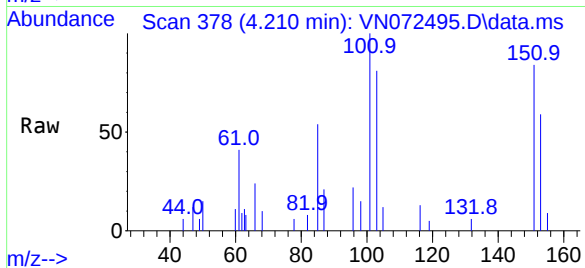
#9
1,1,2-Trichlorotrifluoroethane
Concen: 6.219 ug/l m
RT: 4.210 min Scan# 378
Delta R.T. -0.000 min
Lab File: VN072495.D
Acq: 16 May 2022 12:16

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tgt Ion:101 Resp: 8914
Ion Ratio Lower Upper
101 100
85 40.7 0.0 94.0
151 45.1 0.0 74.6

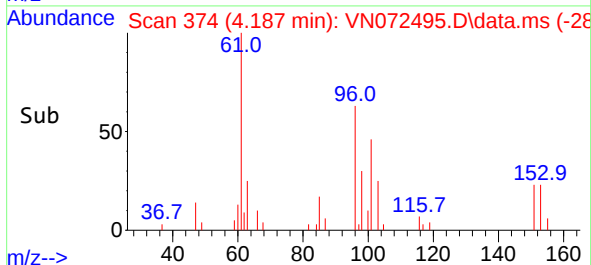
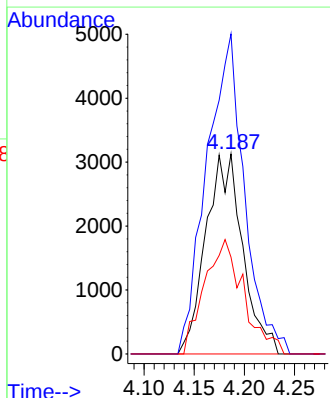
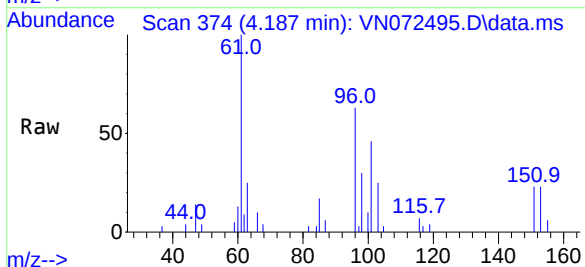
Manual Integrations
APPROVED

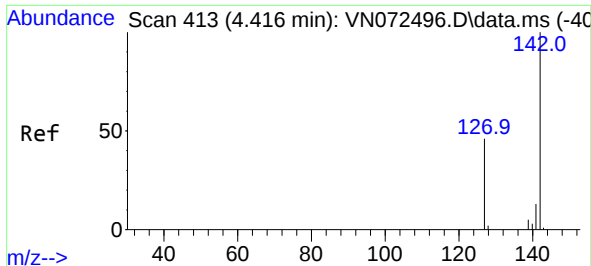
Reviewed By :John Carlone 05/17/2022
Supervised By :Mahesh Dadoda 05/17/2022



#10
1,1-Dichloroethene
Concen: 5.883 ug/l
RT: 4.187 min Scan# 374
Delta R.T. -0.000 min
Lab File: VN072495.D
Acq: 16 May 2022 12:16

Tgt Ion: 96 Resp: 7971
Ion Ratio Lower Upper
96 100
61 160.0 126.2 189.4
98 48.4 50.9 76.3#





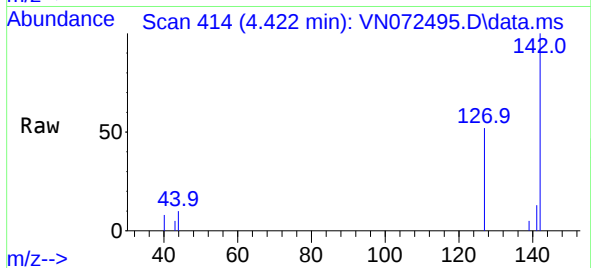
#11
Methyl Iodide
Concen: 5.246 ug/l
RT: 4.422 min Scan# 413
Delta R.T. 0.006 min
Lab File: VN072495.D
Acq: 16 May 2022 12:16

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005



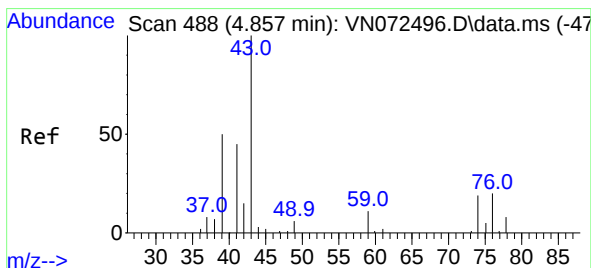
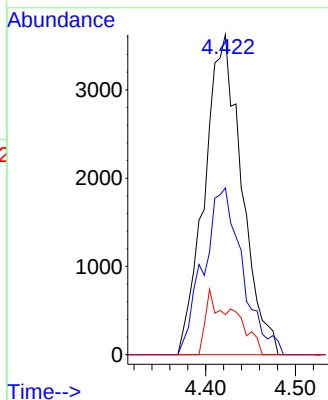
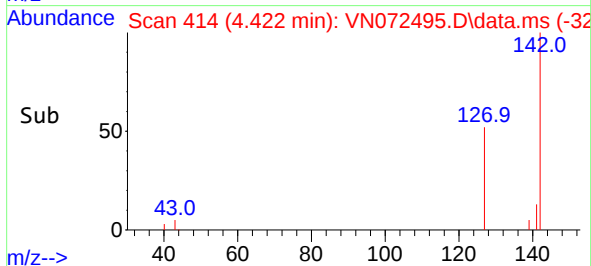
Tgt Ion:142 Resp: 1043
Ion Ratio Lower Upper
142 100
127 50.0 24.0 72.0
141 12.6 8.4 25.2

Manual Integrations

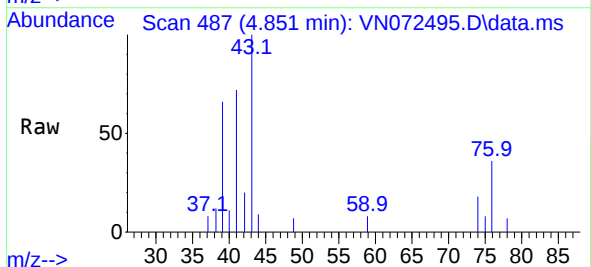
APPROVED

Reviewed By :John Carlone 05/17/2022

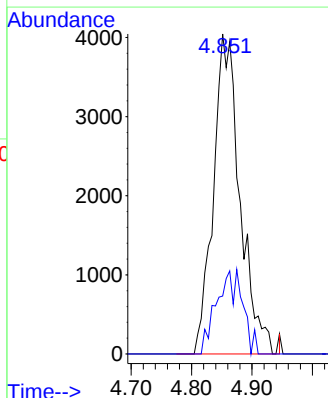
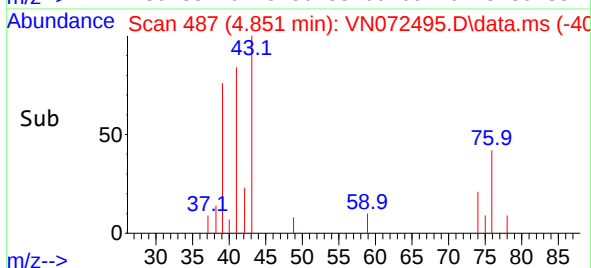
Supervised By :Mahesh Dadoda 05/17/2022

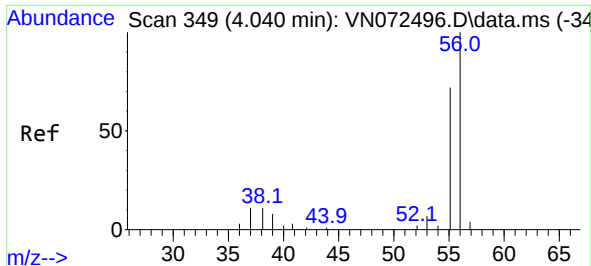


#12
Methyl Acetate
Concen: 6.074 ug/l m
RT: 4.851 min Scan# 487
Delta R.T. -0.006 min
Lab File: VN072495.D
Acq: 16 May 2022 12:16



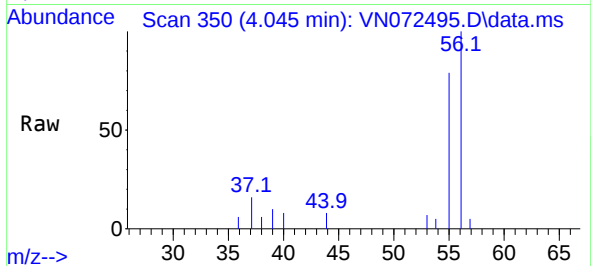
Tgt Ion: 43 Resp: 12447
Ion Ratio Lower Upper
43 100
74 18.1 20.8 31.2#





#13
Acrolein
Concen: 40.063 ug/l m
RT: 4.045 min Scan# 3
Delta R.T. 0.006 min
Lab File: VN072495.D
Acq: 16 May 2022 12:16

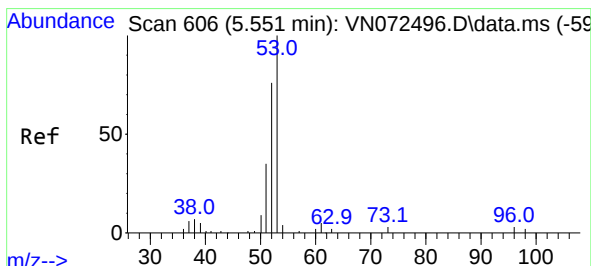
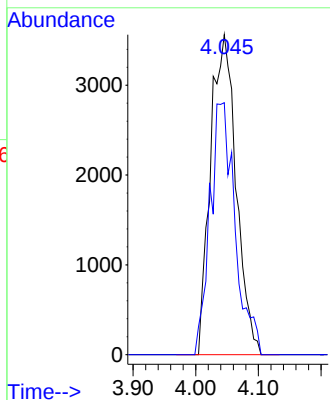
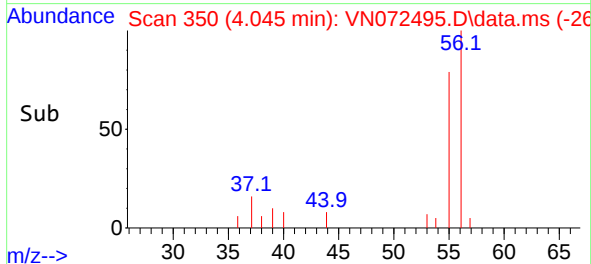
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005



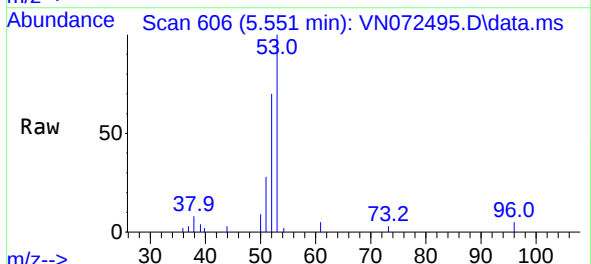
Tgt Ion: 56 Resp: 10140
Ion Ratio Lower Upper
56 100
55 76.8 57.6 86.4

Manual Integrations
APPROVED

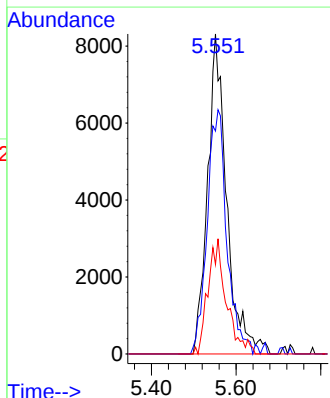
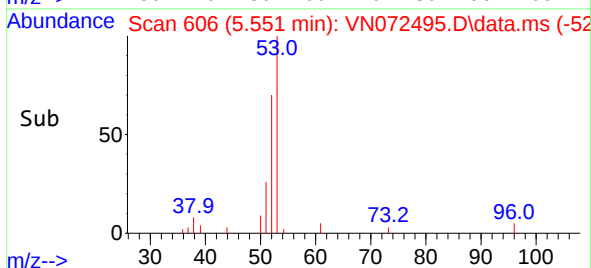
Reviewed By :John Carlone 05/17/2022
Supervised By :Mahesh Dadoda 05/17/2022

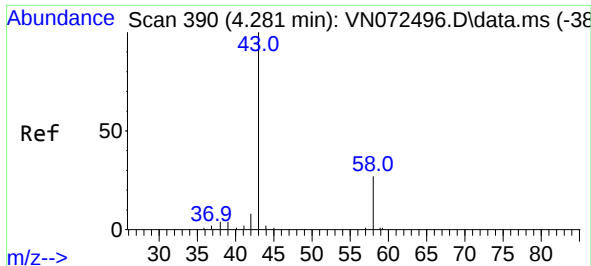


#14
Acrylonitrile
Concen: 29.560 ug/l m
RT: 5.551 min Scan# 606
Delta R.T. -0.000 min
Lab File: VN072495.D
Acq: 16 May 2022 12:16



Tgt Ion: 53 Resp: 26112
Ion Ratio Lower Upper
53 100
52 77.6 41.8 125.4
51 15.6 19.0 57.0#





#15

Acetone

Concen: 29.027 ug/l m

RT: 4.281 min Scan# 390

Delta R.T. -0.000 min

Lab File: VN072495.D

Acq: 16 May 2022 12:16

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC005

Tgt Ion: 58 Resp: 7120

Ion Ratio Lower Upper

58 100

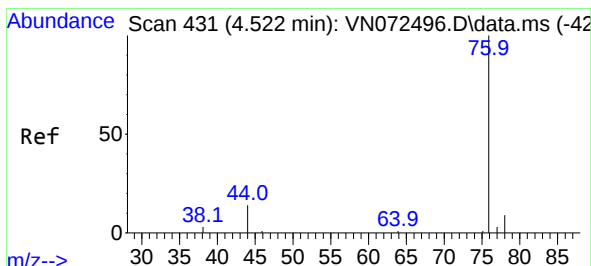
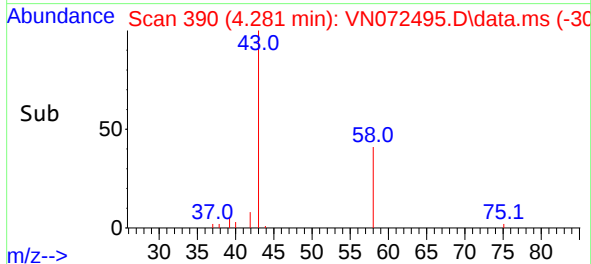
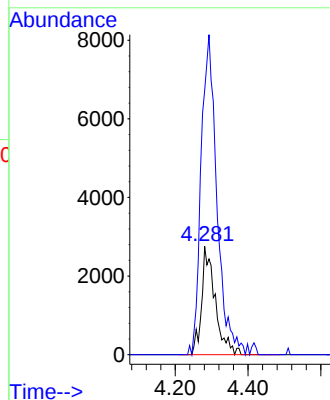
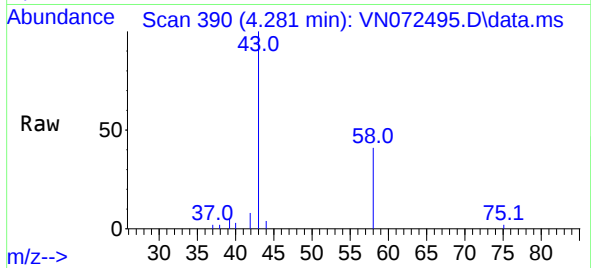
43 243.8 256.6 384.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/17/2022

Supervised By :Mahesh Dadoda 05/17/2022



#16

Carbon Disulfide

Concen: 5.490 ug/l

RT: 4.534 min Scan# 433

Delta R.T. 0.012 min

Lab File: VN072495.D

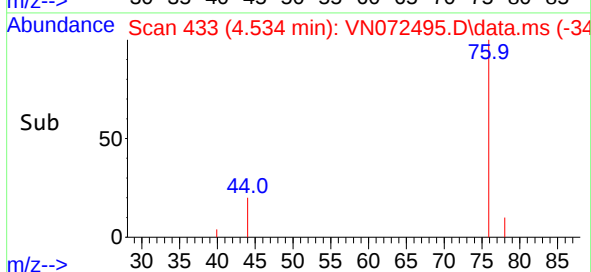
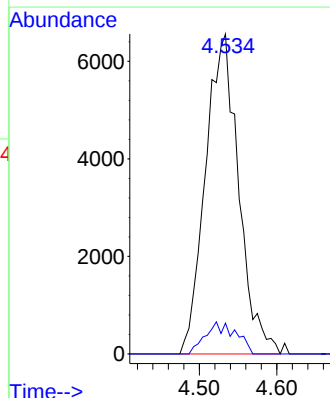
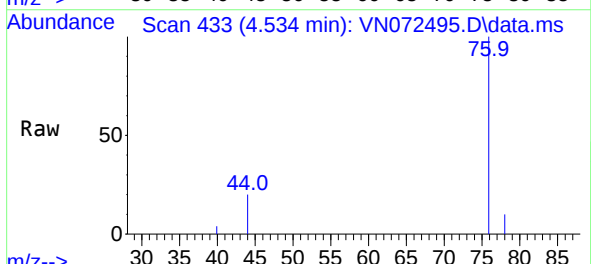
Acq: 16 May 2022 12:16

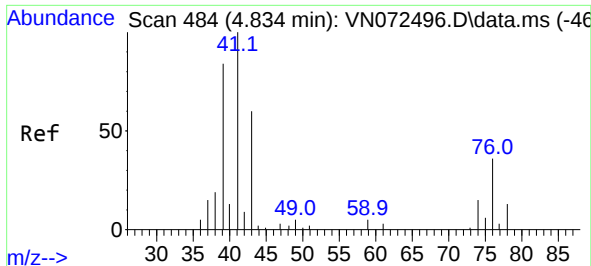
Tgt Ion: 76 Resp: 19521

Ion Ratio Lower Upper

76 100

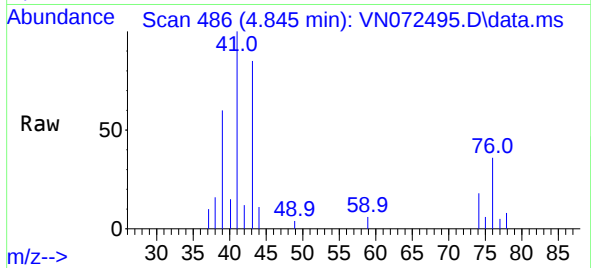
78 9.6 7.8 11.8





#17
 Allyl chloride
 Concen: 5.912 ug/l m
 RT: 4.845 min Scan# 41
 Delta R.T. 0.012 min
 Lab File: VN072495.D
 Acq: 16 May 2022 12:16

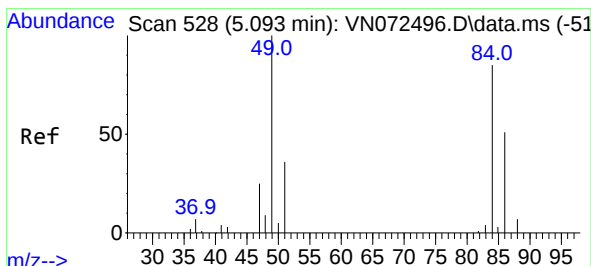
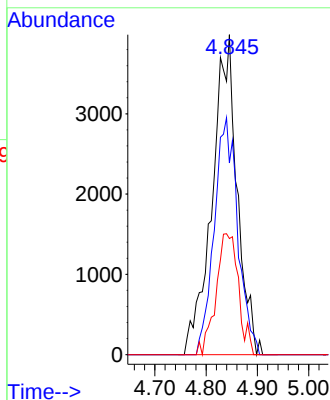
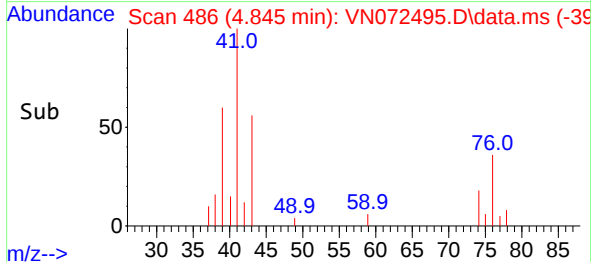
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005



Tgt Ion: 41 Resp: 1350
 Ion Ratio Lower Upper
 41 100
 39 59.9 44.6 134.0
 76 36.3 19.6 58.7

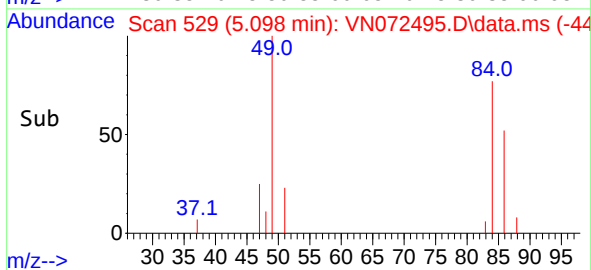
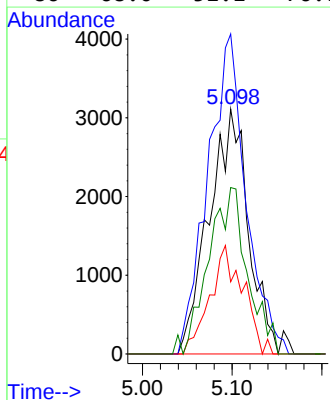
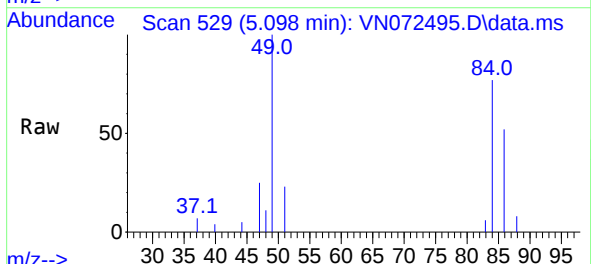
Manual Integrations
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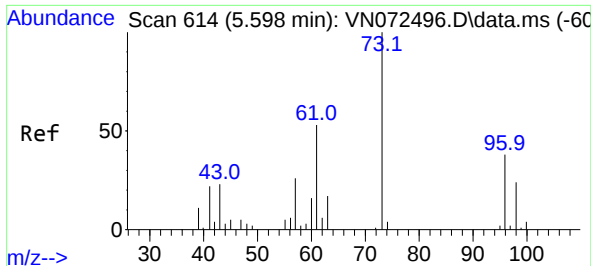
Reviewed By :John Carlone 05/17/2022
 Supervised By :Mahesh Dadoda 05/17/2022



#18
 Methylene Chloride
 Concen: 5.777 ug/l
 RT: 5.098 min Scan# 529
 Delta R.T. 0.006 min
 Lab File: VN072495.D
 Acq: 16 May 2022 12:16

Tgt Ion: 84 Resp: 9469
 Ion Ratio Lower Upper
 84 100
 49 130.7 91.4 137.0
 51 29.4 29.4 44.0
 86 68.0 51.1 76.7





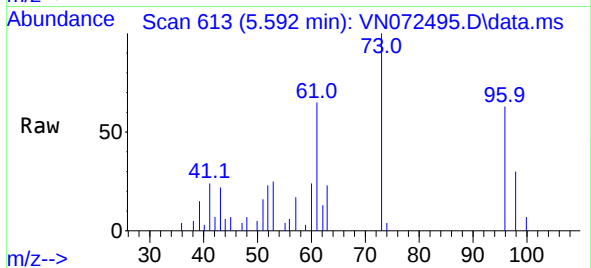
#19
trans-1,2-Dichloroethene
Concen: 6.099 ug/l
RT: 5.592 min Scan# 614
Delta R.T. -0.006 min
Lab File: VN072495.D
Acq: 16 May 2022 12:16

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005



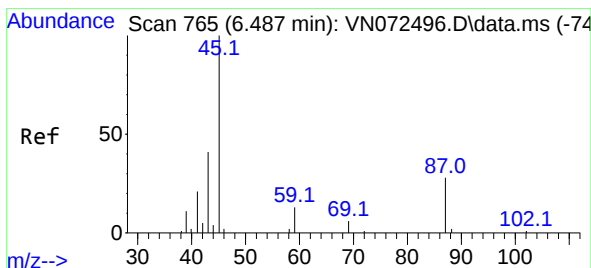
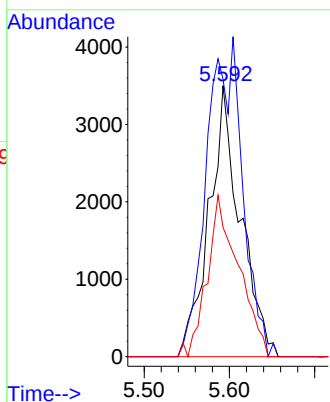
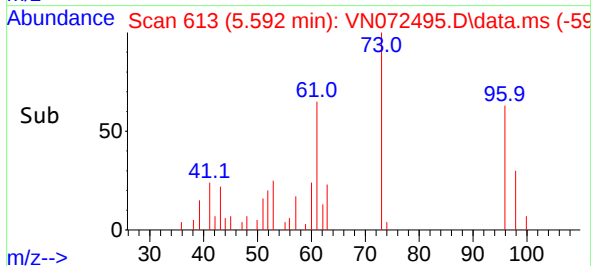
Tgt Ion: 96 Resp: 8972
Ion Ratio Lower Upper
96 100
61 102.4 102.8 154.2
98 47.8 49.3 73.9

Manual Integrations

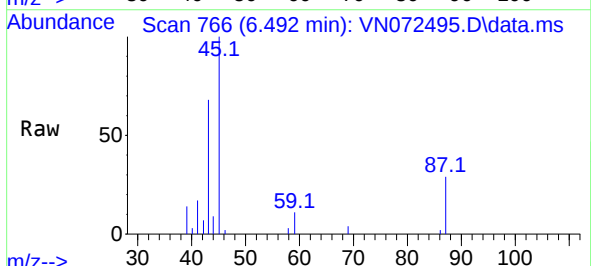
APPROVED

Reviewed By :John Carlone 05/17/2022

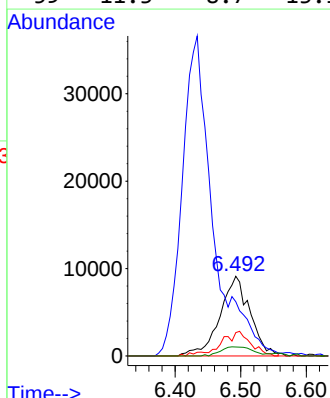
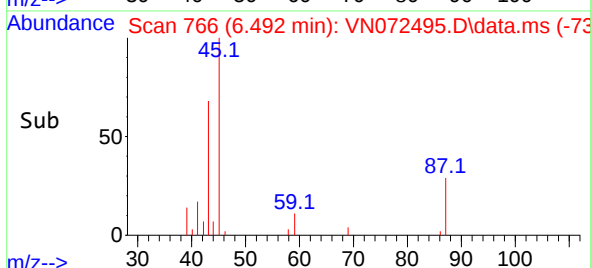
Supervised By :Mahesh Dadoda 05/17/2022

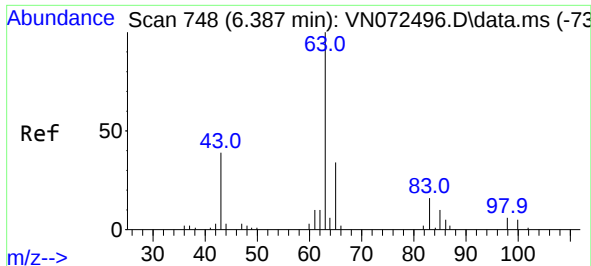


#20
Diisopropyl ether
Concen: 6.113 ug/l
RT: 6.492 min Scan# 766
Delta R.T. 0.006 min
Lab File: VN072495.D
Acq: 16 May 2022 12:16



Tgt Ion: 45 Resp: 29127
Ion Ratio Lower Upper
45 100
43 64.4 51.0 76.4
87 29.3 25.0 37.4
59 11.3 8.7 13.1





#21

1,1-Dichloroethane

Concen: 6.552 ug/l

RT: 6.386 min Scan# 74

Delta R.T. -0.000 min

Lab File: VN072495.D

Acq: 16 May 2022 12:16

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

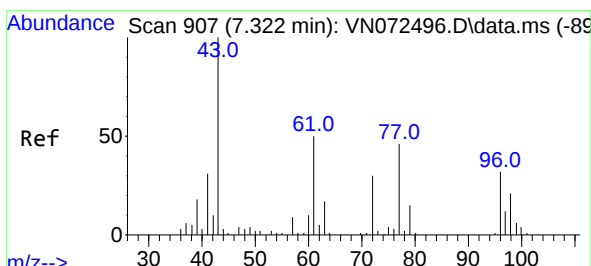
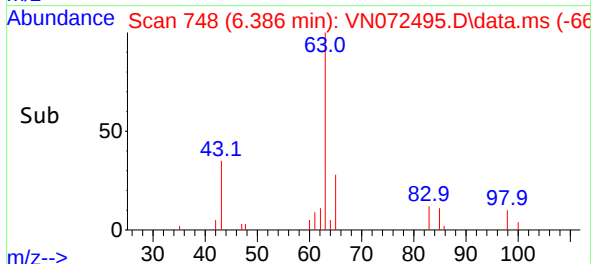
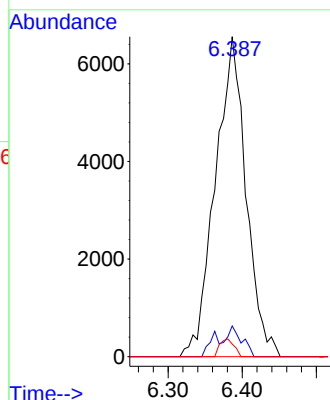
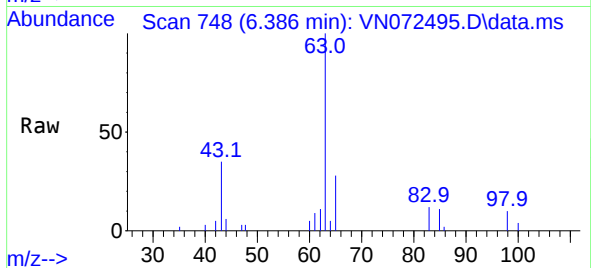
Tgt Ion:	63	Resp:	18900
Ion	Ratio	Lower	Upper
63	100		
98	9.6	3.2	9.6
100	4.0	2.1	6.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/17/2022

Supervised By :Mahesh Dadoda 05/17/2022



#22

cis-1,2-Dichloroethene

Concen: 5.682 ug/l

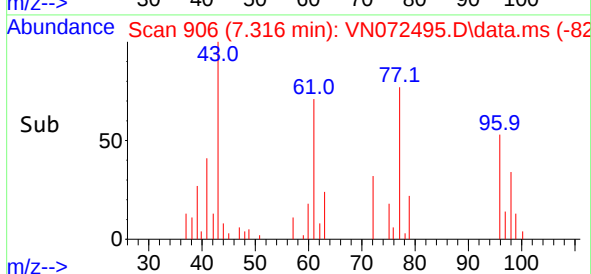
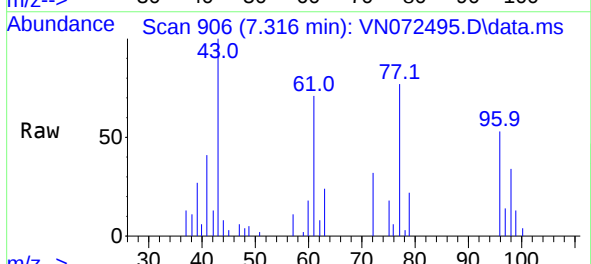
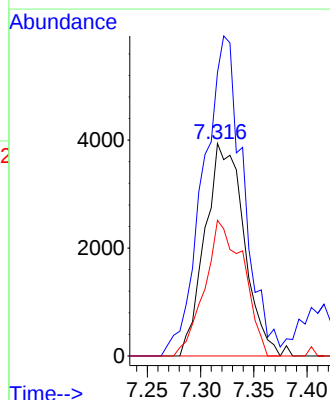
RT: 7.316 min Scan# 906

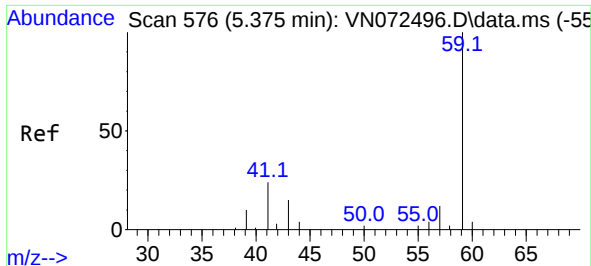
Delta R.T. -0.006 min

Lab File: VN072495.D

Acq: 16 May 2022 12:16

Tgt Ion:	96	Resp:	10000
Ion	Ratio	Lower	Upper
96	100		
61	156.6	115.7	173.5
98	48.4	51.6	77.4





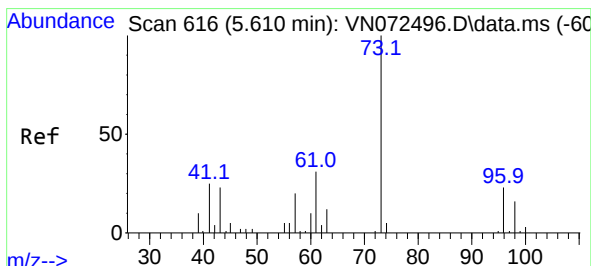
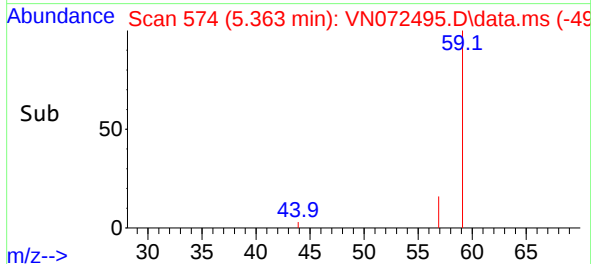
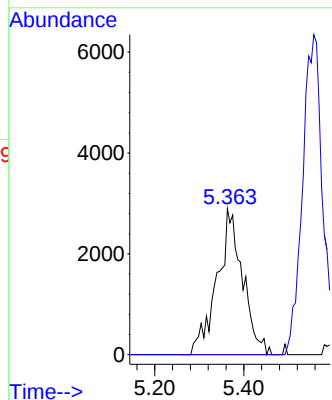
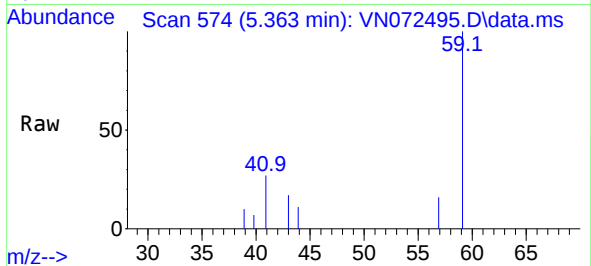
#23
tert-Butyl Alcohol
Concen: 33.812 ug/l m
RT: 5.363 min Scan# 51
Delta R.T. -0.012 min
Lab File: VN072495.D
Acq: 16 May 2022 12:16

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tgt Ion: 59 Resp: 11552
Ion Ratio Lower Upper
59 100
52 0.0 0.0 0.0

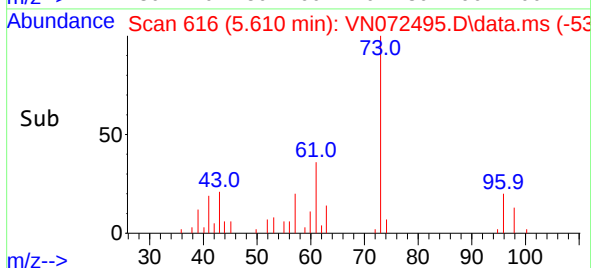
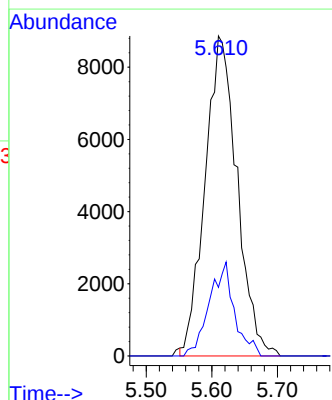
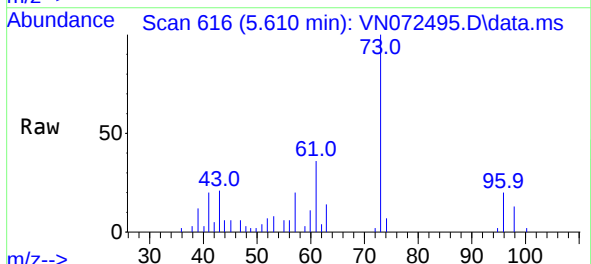
Manual Integrations
APPROVED

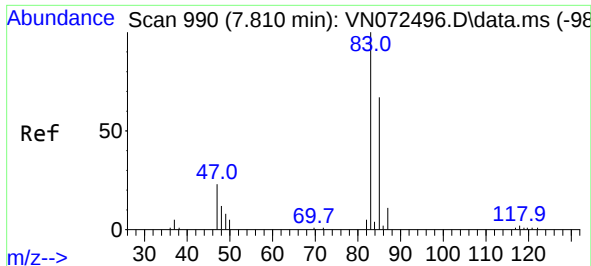
Reviewed By :John Carlone 05/17/2022
Supervised By :Mahesh Dadoda 05/17/2022



#24
Methyl tert-Butyl Ether
Concen: 5.845 ug/l
RT: 5.610 min Scan# 616
Delta R.T. -0.000 min
Lab File: VN072495.D
Acq: 16 May 2022 12:16

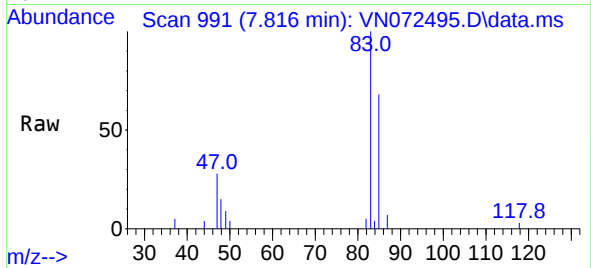
Tgt Ion: 73 Resp: 30055
Ion Ratio Lower Upper
73 100
43 17.9 18.1 27.1#





#25
Chloroform
Concen: 6.422 ug/l
RT: 7.816 min Scan# 991
Delta R.T. 0.006 min
Lab File: VN072495.D
Acq: 16 May 2022 12:16

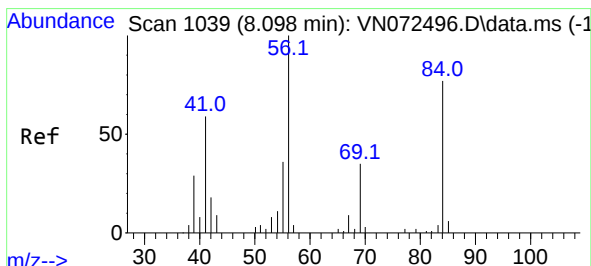
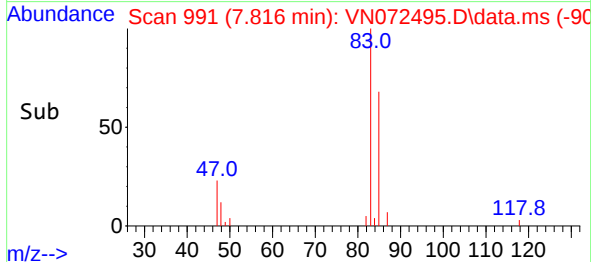
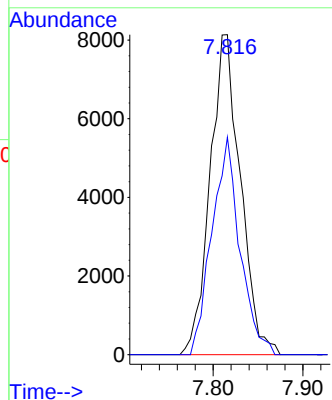
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005



Tgt Ion: 83 Resp: 1914
Ion Ratio Lower Upper
83 100
85 68.0 51.3 76.9

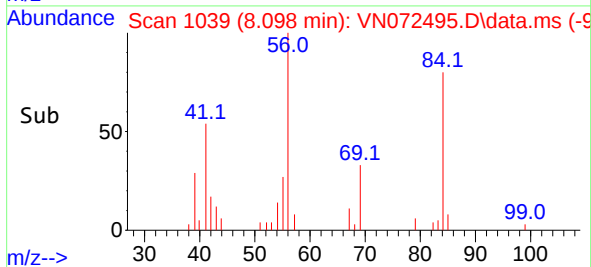
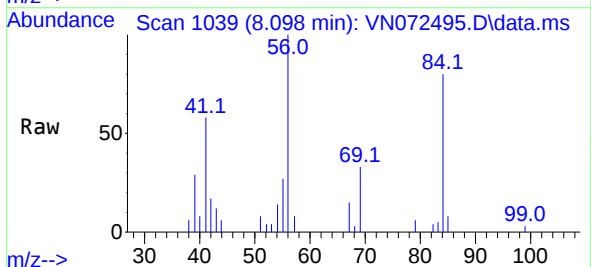
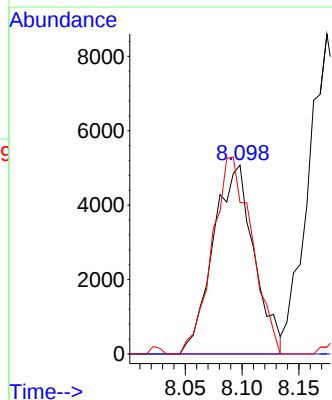
Manual Integrations
APPROVED

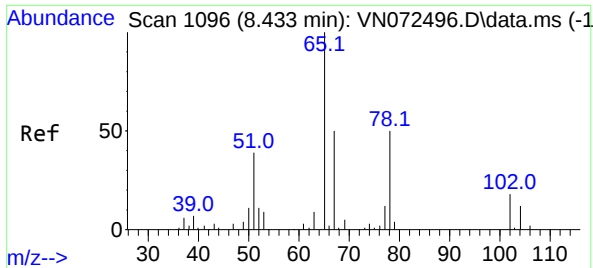
Reviewed By :John Carlone 05/17/2022
Supervised By :Mahesh Dadoda 05/17/2022



#26
Cyclohexane
Concen: 5.239 ug/l
RT: 8.098 min Scan# 1039
Delta R.T. -0.000 min
Lab File: VN072495.D
Acq: 16 May 2022 12:16

Tgt Ion: 56 Resp: 12730
Ion Ratio Lower Upper
56 100
89 0.0 0.1 0.1#
84 100.7 74.6 111.8





#27
1,2-Dichloroethane-d4
Concen: 37.208 ug/l
RT: 8.433 min Scan# 1096
Delta R.T. -0.000 min
Lab File: VN072495.D
Acq: 16 May 2022 12:16

Instrument :

MSVOA_N

ClientSampleId :

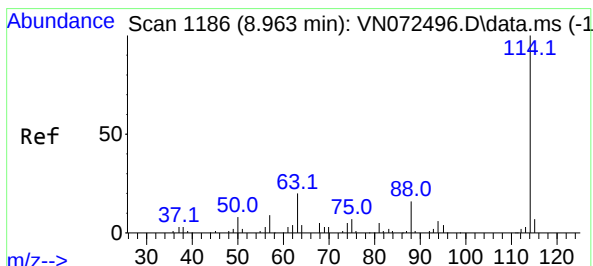
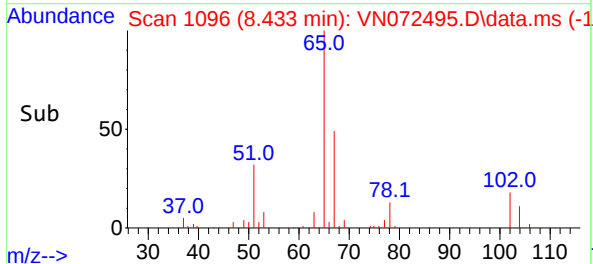
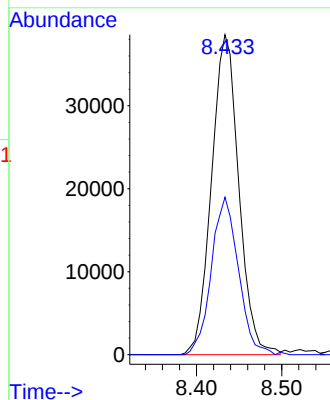
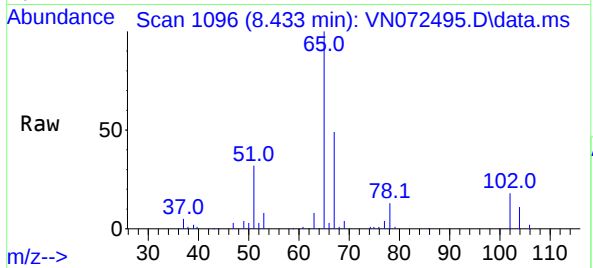
VSTDIC005

Tgt Ion: 65 Resp: 8584
Ion Ratio Lower Upper
65 100
67 48.6 40.2 60.2

Manual Integrations

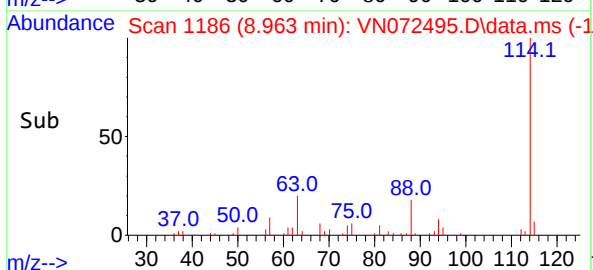
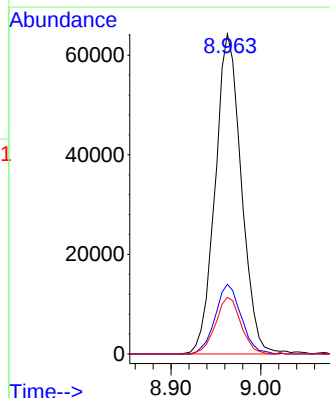
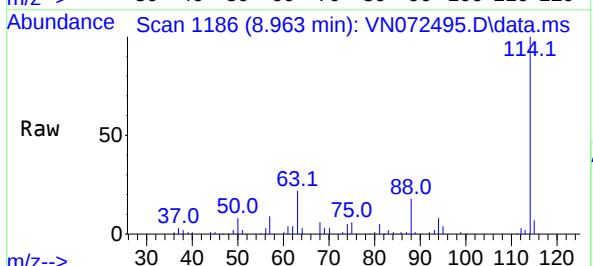
APPROVED

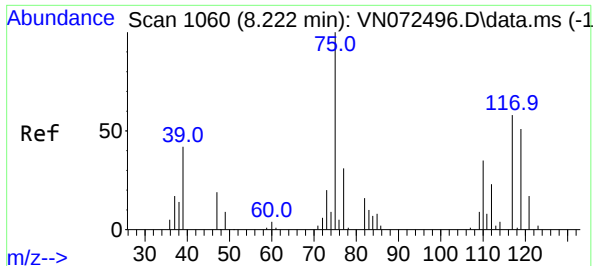
Reviewed By :John Carlone 05/17/2022
Supervised By :Mahesh Dadoda 05/17/2022



#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 8.963 min Scan# 1186
Delta R.T. -0.000 min
Lab File: VN072495.D
Acq: 16 May 2022 12:16

Tgt Ion:114 Resp: 129717
Ion Ratio Lower Upper
114 100
63 21.6 15.8 23.6
88 17.1 11.6 17.4





#29
1,1-Dichloropropene
Concen: 6.181 ug/l
RT: 8.216 min Scan# 1059
Delta R.T. -0.006 min
Lab File: VN072495.D
Acq: 16 May 2022 12:16

Instrument :

MSVOA_N

ClientSampleId :

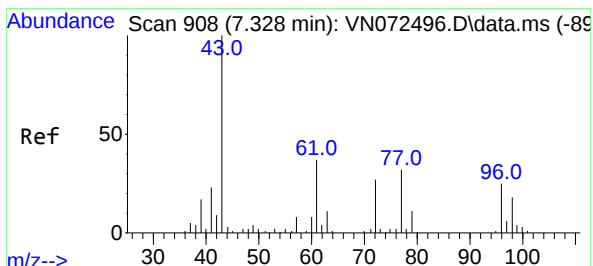
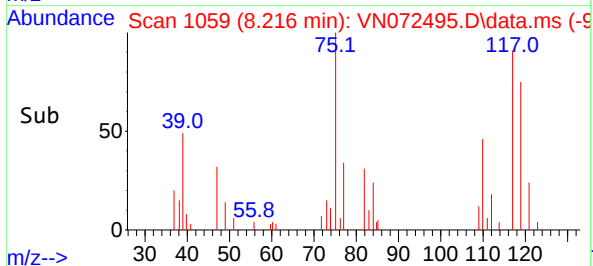
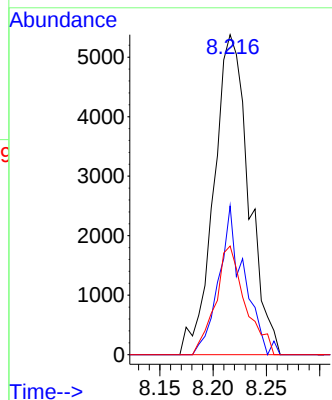
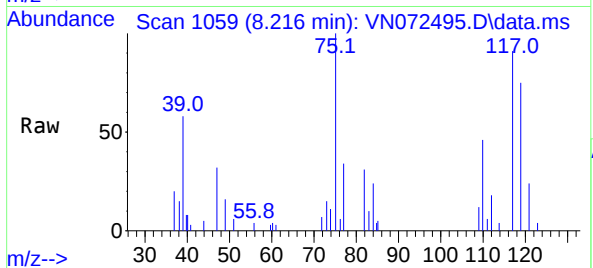
VSTDIC005

Tgt Ion: 75 Resp: 12254
Ion Ratio Lower Upper
75 100
110 33.0 0.0 74.2
77 29.0 0.0 63.2

Manual Integrations

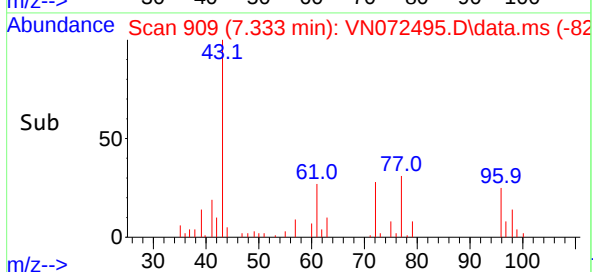
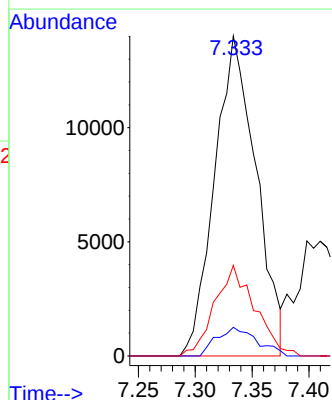
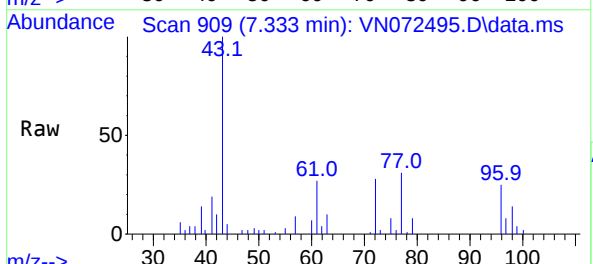
APPROVED

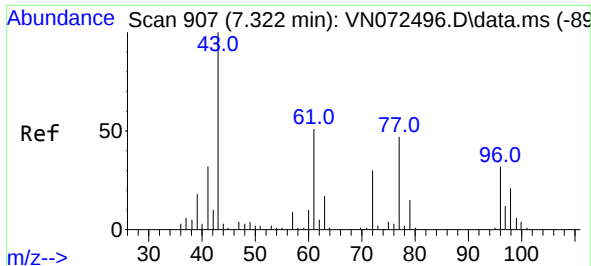
Reviewed By :John Carlone 05/17/2022
Supervised By :Mahesh Dadoda 05/17/2022



#30
2-Butanone
Concen: 31.440 ug/l
RT: 7.333 min Scan# 909
Delta R.T. 0.006 min
Lab File: VN072495.D
Acq: 16 May 2022 12:16

Tgt Ion: 43 Resp: 35617
Ion Ratio Lower Upper
43 100
57 7.5 6.7 10.1
72 27.1 23.2 34.8





#31

2,2-Dichloropropane

Concen: 6.630 ug/l

RT: 7.316 min Scan# 906

Delta R.T. -0.006 min

Lab File: VN072495.D

Acq: 16 May 2022 12:16

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tgt Ion: 77 Resp: 15379

Ion Ratio Lower Upper

77 100

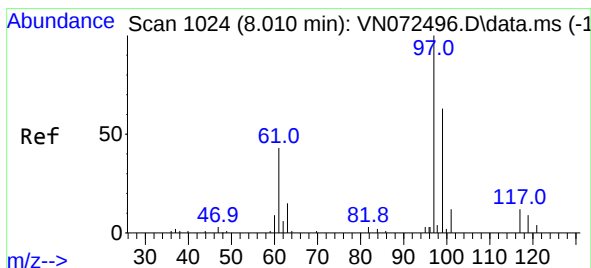
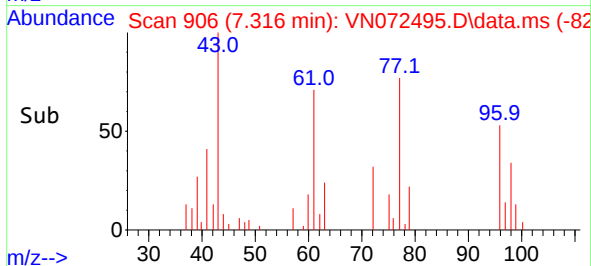
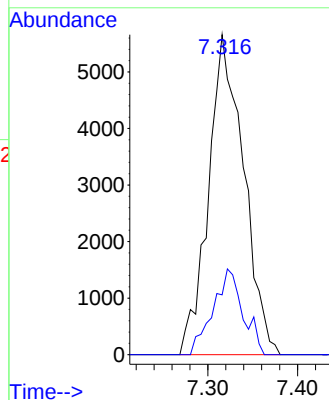
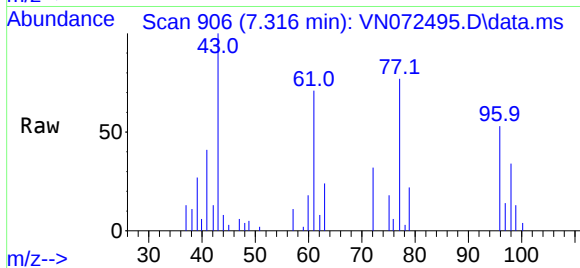
97 20.8 18.3 27.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/17/2022

Supervised By :Mahesh Dadoda 05/17/2022



#32

1,1,1-Trichloroethane

Concen: 7.565 ug/l

RT: 8.010 min Scan# 1024

Delta R.T. -0.000 min

Lab File: VN072495.D

Acq: 16 May 2022 12:16

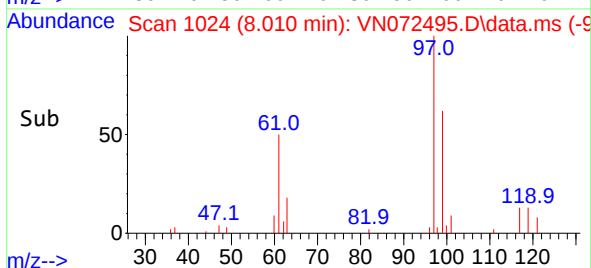
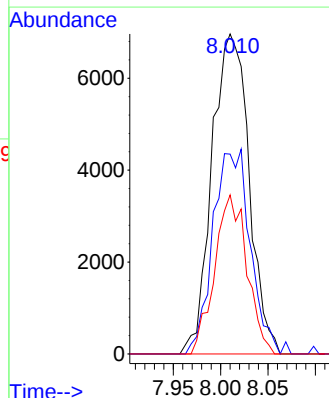
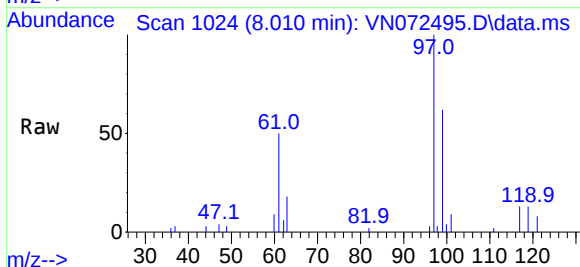
Tgt Ion: 97 Resp: 18949

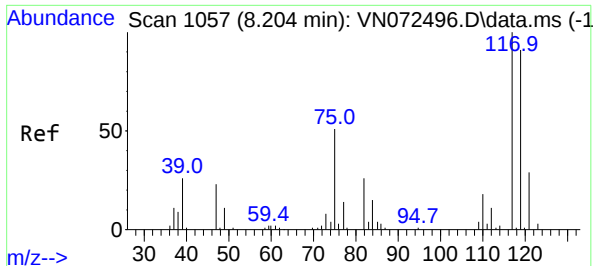
Ion Ratio Lower Upper

97 100

99 41.2 50.4 75.6#

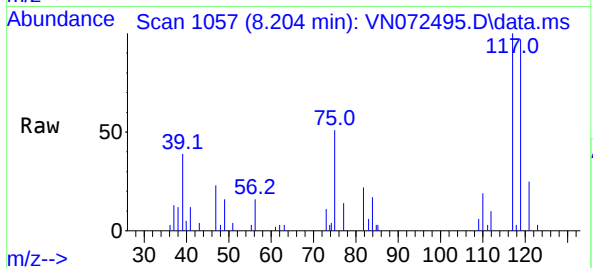
61 43.3 34.6 51.8





#33
Carbon Tetrachloride
Concen: 7.087 ug/l
RT: 8.204 min Scan# 1100
Delta R.T. -0.000 min
Lab File: VN072495.D
Acq: 16 May 2022 12:16

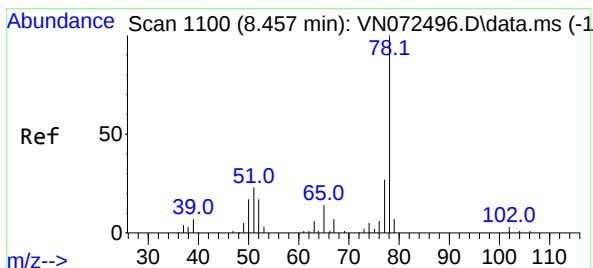
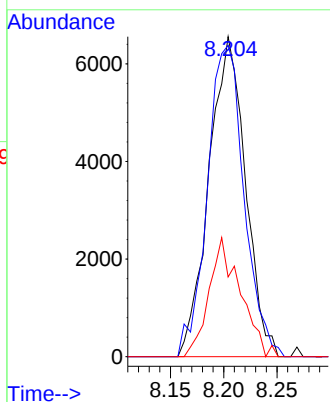
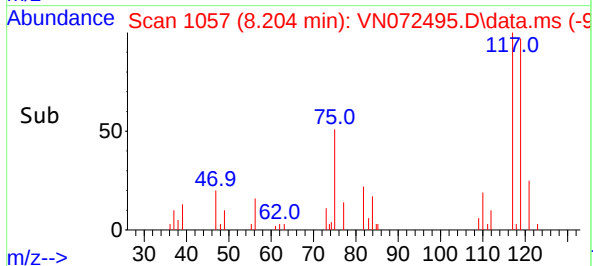
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005



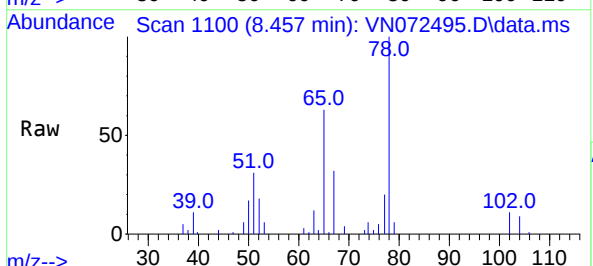
Tgt Ion:117 Resp: 1557
Ion Ratio Lower Upper
117 100
119 97.3 77.5 116.3
121 24.9 23.5 35.3

Manual Integrations
APPROVED

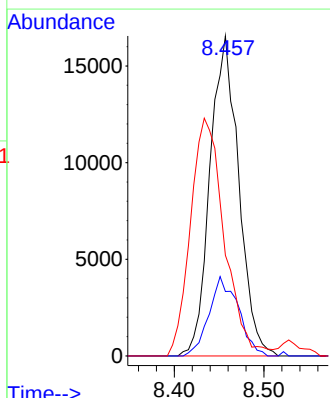
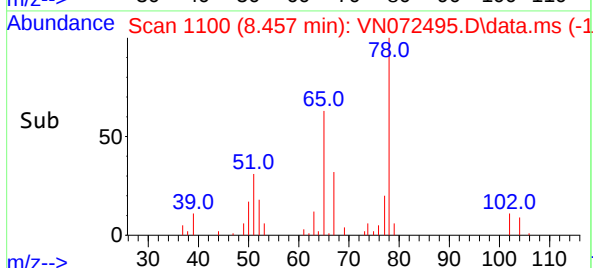
Reviewed By :John Carlone 05/17/2022
Supervised By :Mahesh Dadoda 05/17/2022

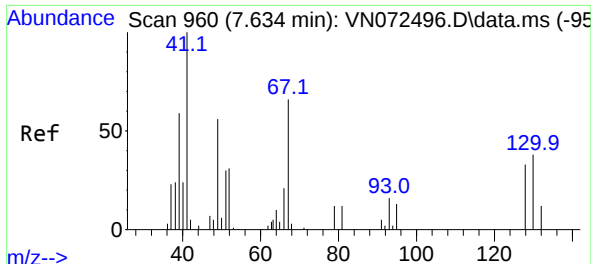


#34
Benzene
Concen: 6.094 ug/l
RT: 8.457 min Scan# 1100
Delta R.T. -0.000 min
Lab File: VN072495.D
Acq: 16 May 2022 12:16



Tgt Ion: 78 Resp: 36759
Ion Ratio Lower Upper
78 100
77 20.2 19.1 28.7
51 29.1 16.0 24.0#





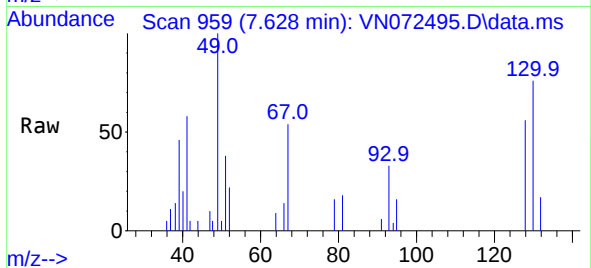
#35
Methacrylonitrile
Concen: 6.636 ug/l
RT: 7.628 min Scan# 911
Delta R.T. -0.006 min
Lab File: VN072495.D
Acq: 16 May 2022 12:16

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

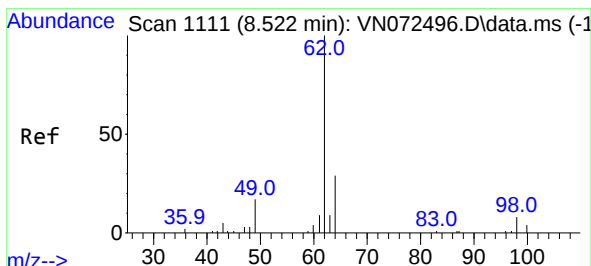
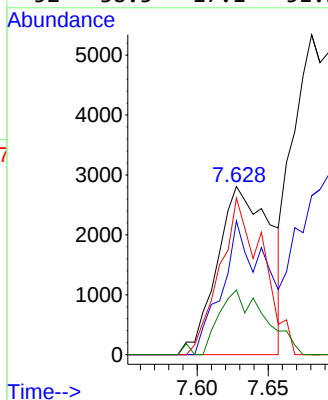
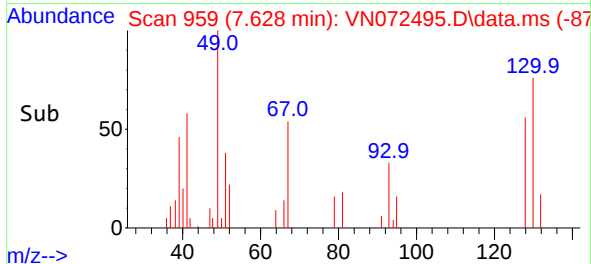


Tgt Ion: 41 Resp: 733
Ion Ratio Lower Upper
41 100
39 79.6 28.0 83.9
67 93.2 37.7 113.1
52 38.5 17.1 51.2

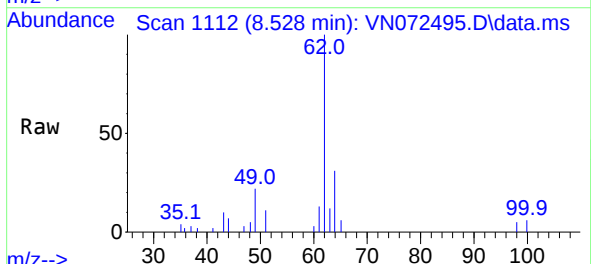
Manual Integrations

APPROVED

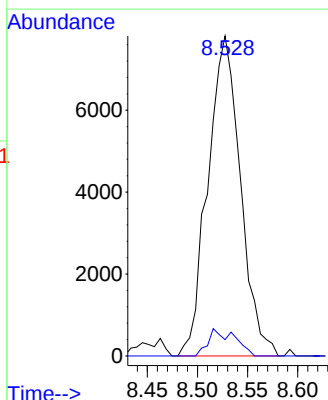
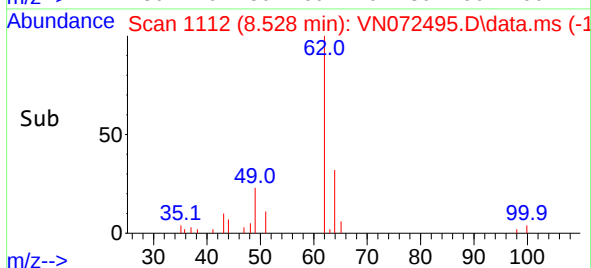
Reviewed By :John Carlone 05/17/2022
Supervised By :Mahesh Dadoda 05/17/2022

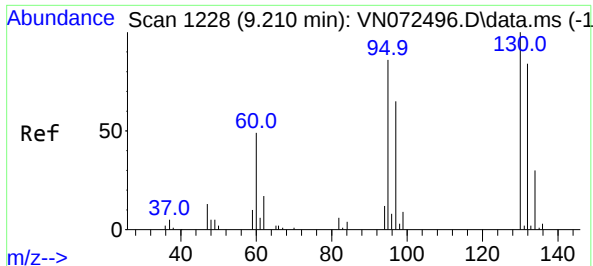


#36
1,2-Dichloroethane
Concen: 7.484 ug/l
RT: 8.528 min Scan# 1112
Delta R.T. 0.006 min
Lab File: VN072495.D
Acq: 16 May 2022 12:16



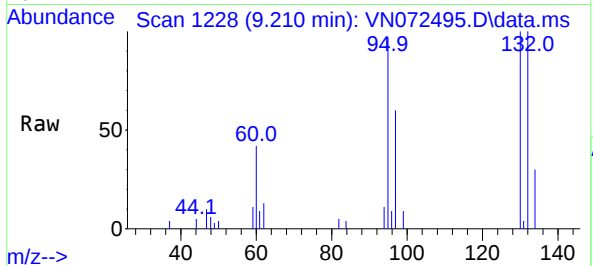
Tgt Ion: 62 Resp: 17709
Ion Ratio Lower Upper
62 100
98 2.8 6.6 10.0#





#37
Trichloroethene
Concen: 6.437 ug/l
RT: 9.210 min Scan# 1228
Delta R.T. -0.000 min
Lab File: VN072495.D
Acq: 16 May 2022 12:16

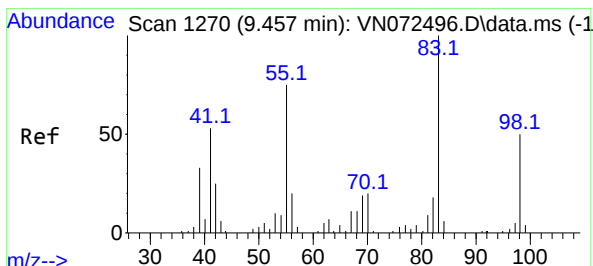
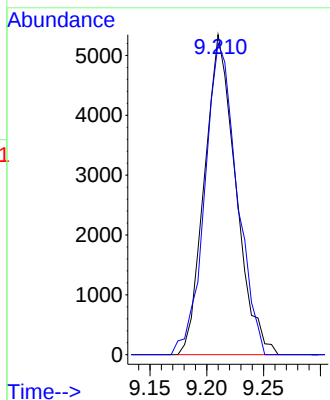
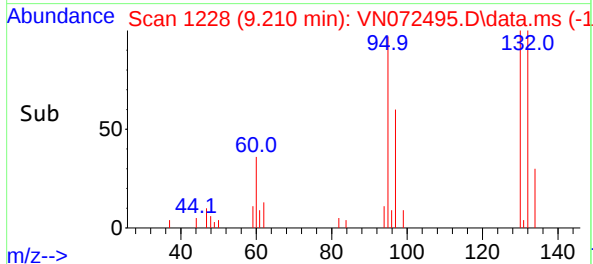
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005



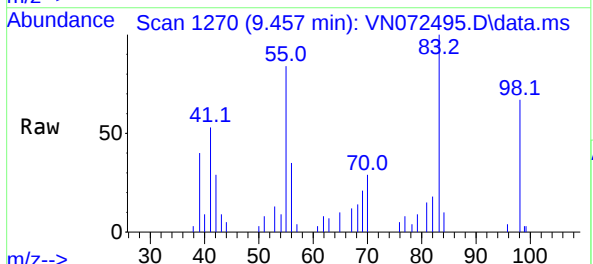
Tgt Ion: 130 Resp: 10214
Ion Ratio Lower Upper
130 100
95 97.3 76.6 115.0

Manual Integrations
APPROVED

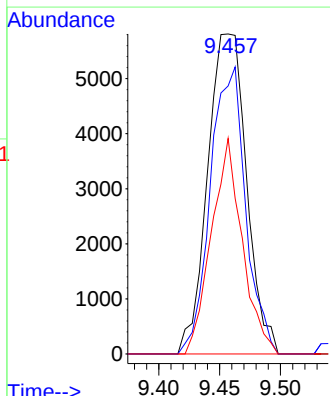
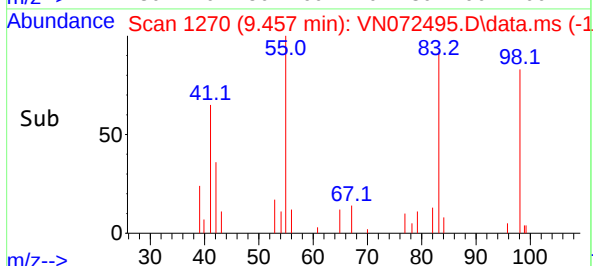
Reviewed By :John Carlone 05/17/2022
Supervised By :Mahesh Dadoda 05/17/2022

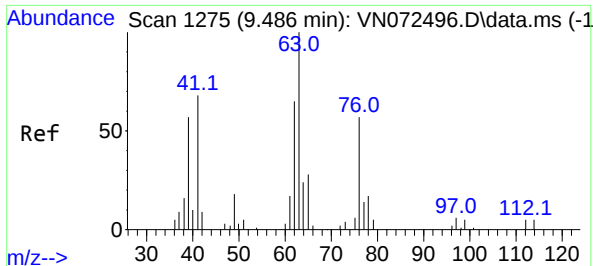


#38
Methylcyclohexane
Concen: 5.333 ug/l
RT: 9.457 min Scan# 1270
Delta R.T. -0.000 min
Lab File: VN072495.D
Acq: 16 May 2022 12:16



Tgt Ion: 83 Resp: 12955
Ion Ratio Lower Upper
83 100
55 81.0 35.1 105.3
98 53.4 23.4 70.2





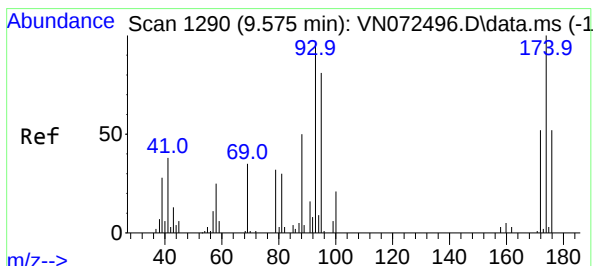
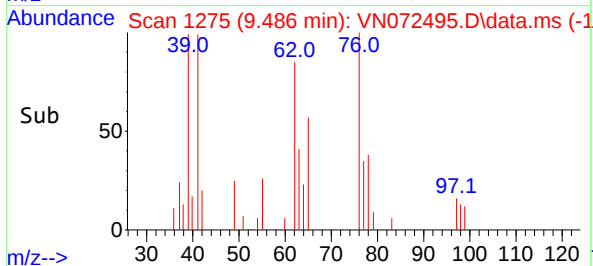
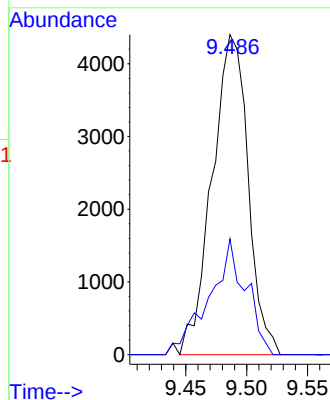
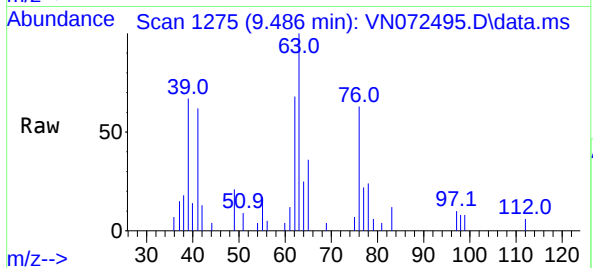
#39
1,2-Dichloropropane
Concen: 5.948 ug/l
RT: 9.486 min Scan# 1275
Delta R.T. -0.000 min
Lab File: VN072495.D
Acq: 16 May 2022 12:16

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tgt Ion: 63 Resp: 9059
Ion Ratio Lower Upper
63 100
65 36.2 24.2 36.4

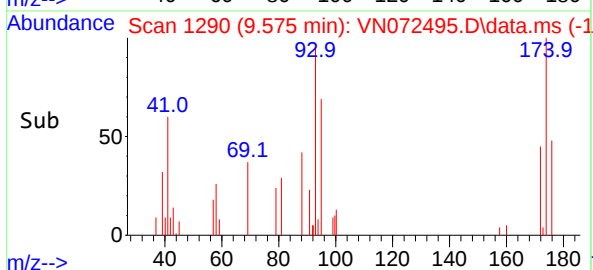
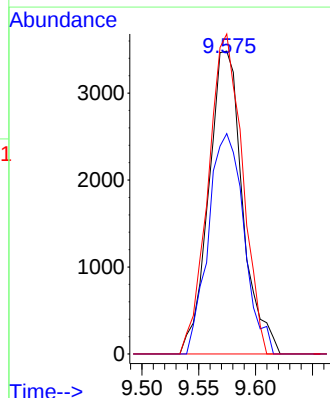
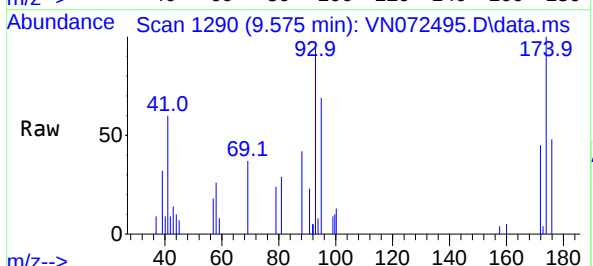
Manual Integrations
APPROVED

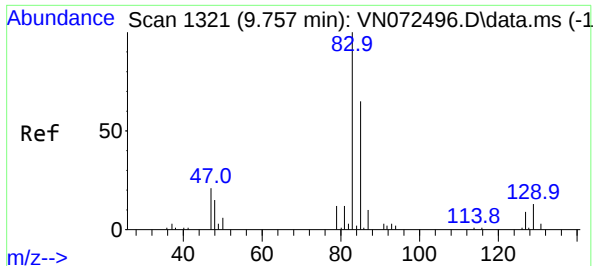
Reviewed By :John Carlone 05/17/2022
Supervised By :Mahesh Dadoda 05/17/2022



#40
Dibromomethane
Concen: 6.724 ug/l
RT: 9.575 min Scan# 1290
Delta R.T. -0.000 min
Lab File: VN072495.D
Acq: 16 May 2022 12:16

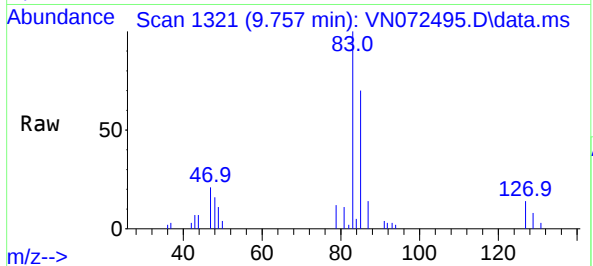
Tgt Ion: 93 Resp: 7249
Ion Ratio Lower Upper
93 100
95 76.3 0.0 168.8
174 106.4 0.0 173.6





#41
Bromodichloromethane
Concen: 6.846 ug/l
RT: 9.757 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN072495.D
Acq: 16 May 2022 12:16

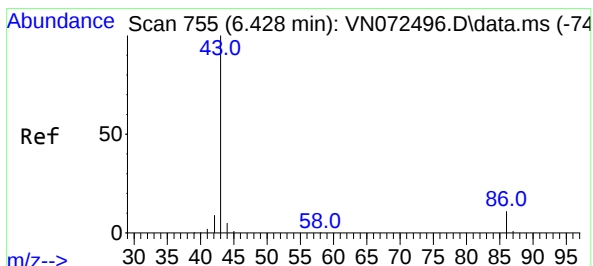
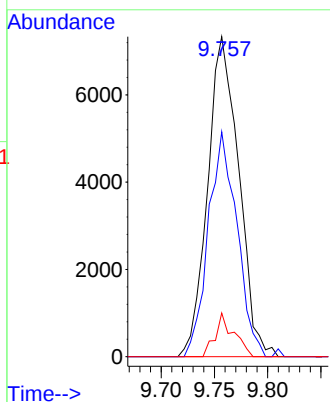
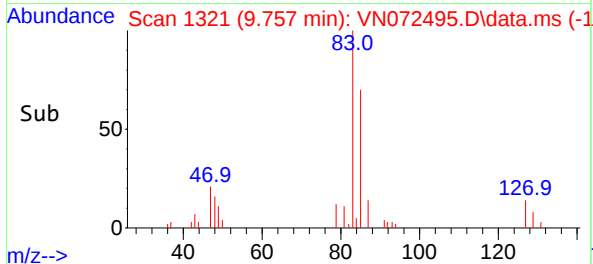
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005



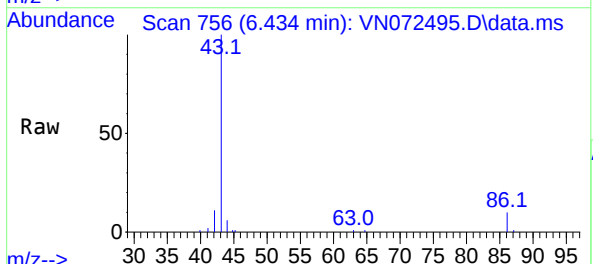
Tgt Ion: 83 Resp: 1493
Ion Ratio Lower Upper
83 100
85 70.2 54.1 81.1
127 13.6 7.6 11.4

Manual Integrations
APPROVED

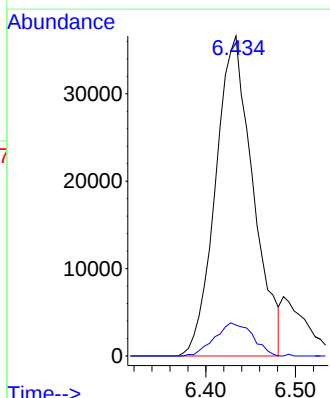
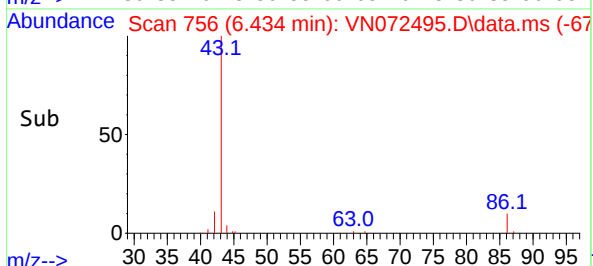
Reviewed By :John Carlone 05/17/2022
Supervised By :Mahesh Dadoda 05/17/2022

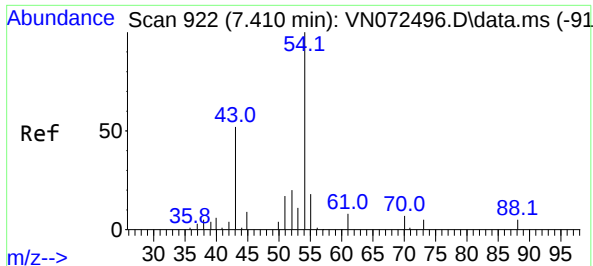


#42
Vinyl Acetate
Concen: 27.446 ug/l
RT: 6.434 min Scan# 756
Delta R.T. 0.006 min
Lab File: VN072495.D
Acq: 16 May 2022 12:16



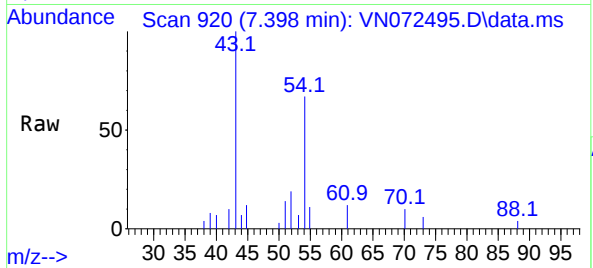
Tgt Ion: 43 Resp: 106017
Ion Ratio Lower Upper
43 100
86 10.5 7.5 11.3





#43
Ethyl Acetate
Concen: 6.932 ug/l m
RT: 7.398 min Scan# 91
Delta R.T. -0.012 min
Lab File: VN072495.D
Acq: 16 May 2022 12:16

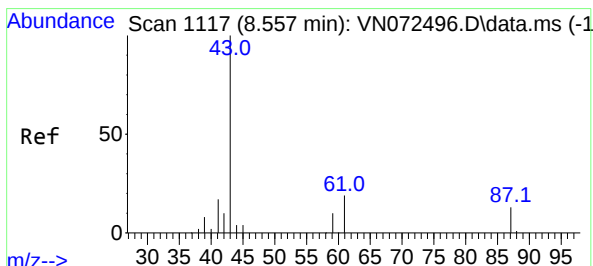
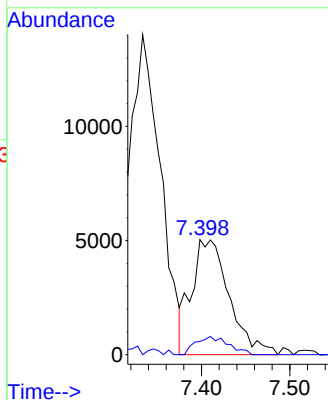
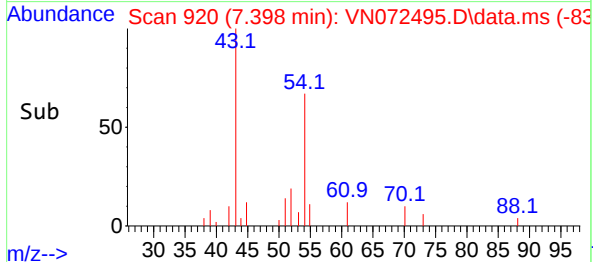
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005



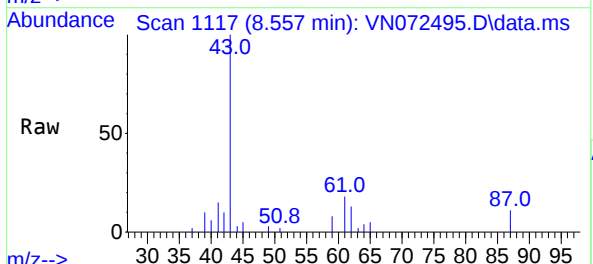
Tgt Ion: 43 Resp: 1497
Ion Ratio Lower Upper
43 100
45 12.7 10.6 16.0

Manual Integrations
APPROVED

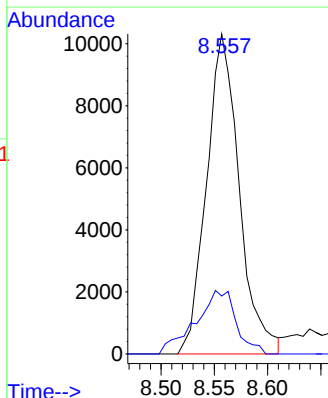
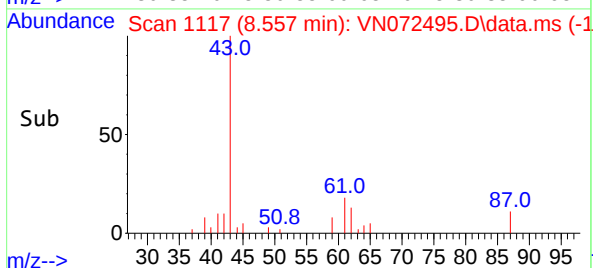
Reviewed By :John Carlone 05/17/2022
Supervised By :Mahesh Dadoda 05/17/2022

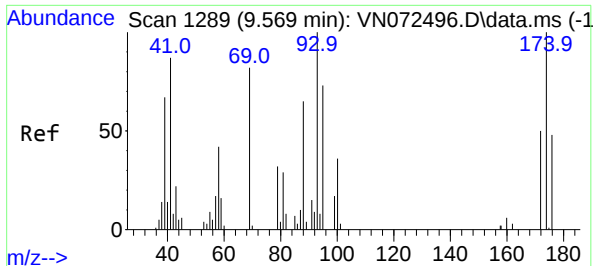


#44
Isopropyl Acetate
Concen: 6.201 ug/l
RT: 8.557 min Scan# 1117
Delta R.T. -0.000 min
Lab File: VN072495.D
Acq: 16 May 2022 12:16



Tgt Ion: 43 Resp: 22018
Ion Ratio Lower Upper
43 100
61 24.6 20.1 30.1





#45

1,4-Dioxane

Concen: 110.201 ug/l

RT: 9.569 min Scan# 1289

Delta R.T. -0.000 min

Lab File: VN072495.D

Acq: 16 May 2022 12:16

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC005

Tgt Ion: 88 Resp: 384

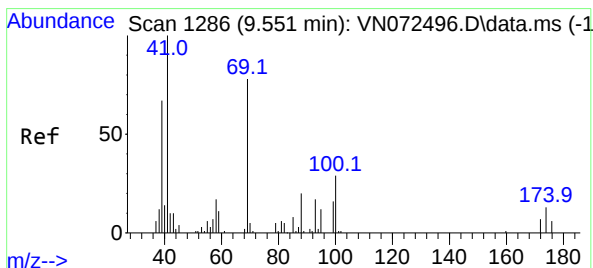
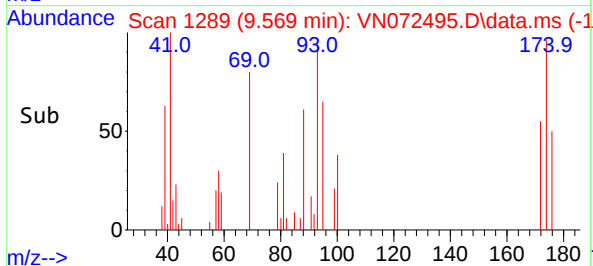
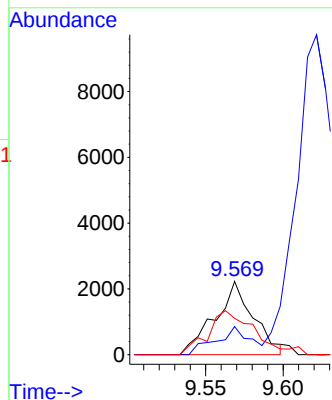
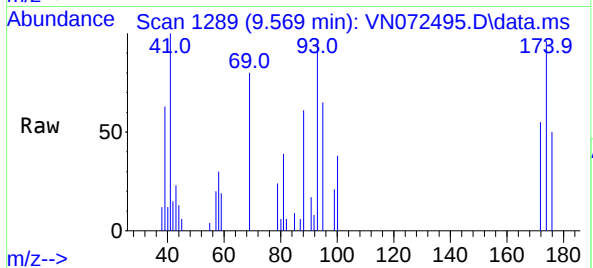
Ion	Ratio	Lower	Upper
88	100		
43	33.7	25.0	37.6
58	60.4	49.4	74.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/17/2022

Supervised By :Mahesh Dadoda 05/17/2022



#46

Methyl methacrylate

Concen: 6.677 ug/l

RT: 9.557 min Scan# 1287

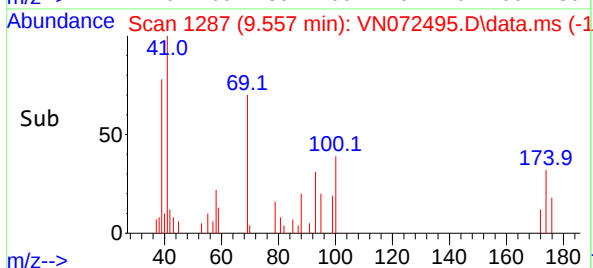
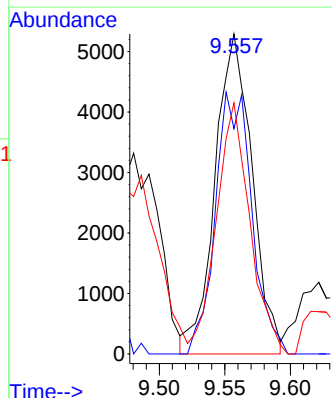
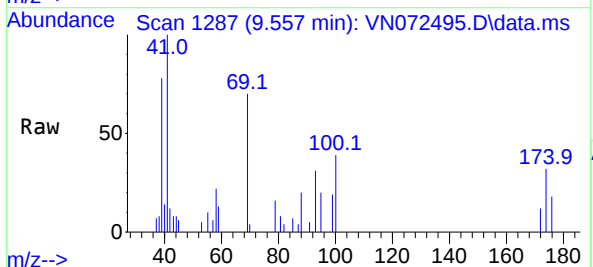
Delta R.T. 0.006 min

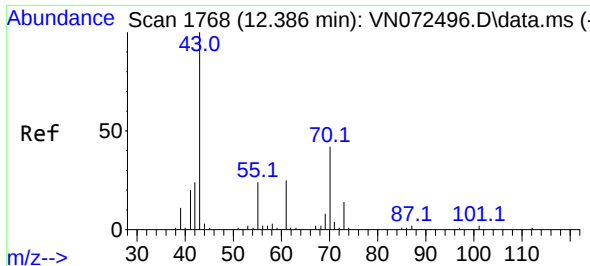
Lab File: VN072495.D

Acq: 16 May 2022 12:16

Tgt Ion: 41 Resp: 10386

Ion	Ratio	Lower	Upper
41	100		
69	73.2	44.4	133.2
39	78.5	39.9	119.6





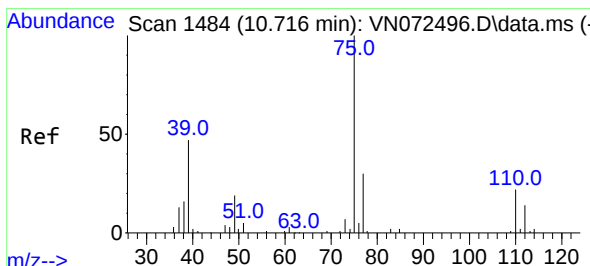
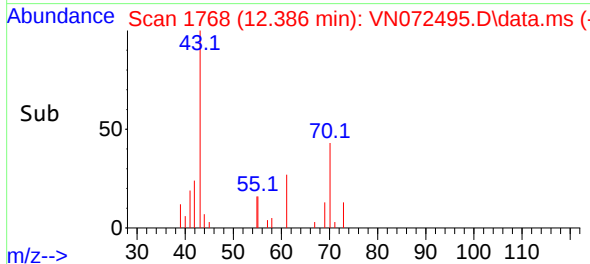
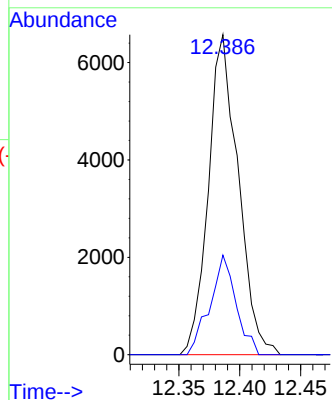
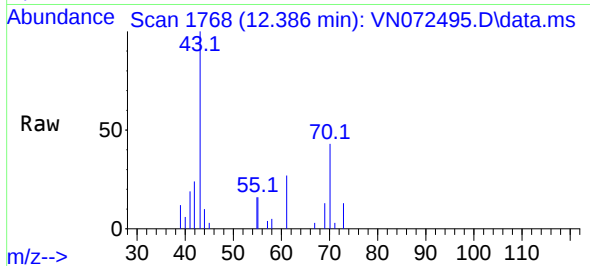
#47
n-amy1 Acetate
Concen: 4.849 ug/l
RT: 12.386 min Scan# 1768
Delta R.T. -0.000 min
Lab File: VN072495.D
Acq: 16 May 2022 12:16

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tgt Ion: 43 Resp: 11210
Ion Ratio Lower Upper
43 100
55 27.2 19.0 28.6

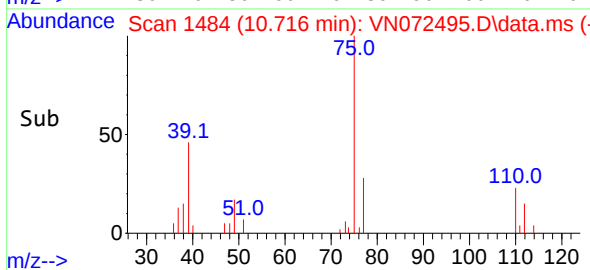
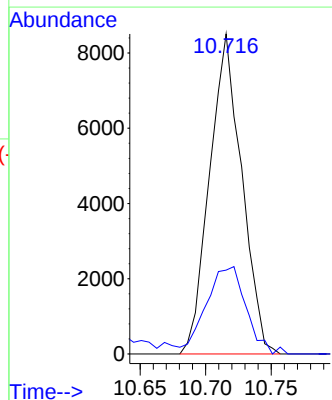
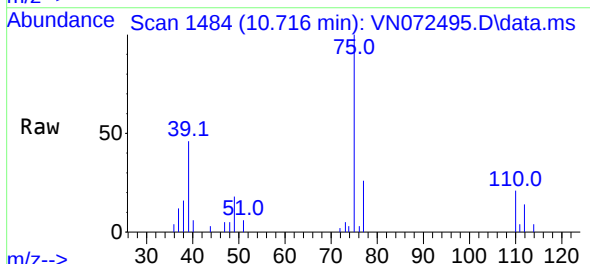
Manual Integrations
APPROVED

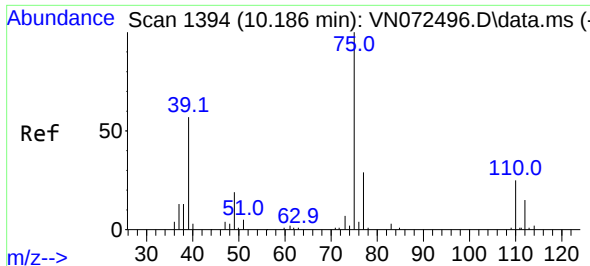
Reviewed By :John Carlone 05/17/2022
Supervised By :Mahesh Dadoda 05/17/2022



#48
t-1,3-Dichloropropene
Concen: 6.228 ug/l
RT: 10.716 min Scan# 1484
Delta R.T. -0.000 min
Lab File: VN072495.D
Acq: 16 May 2022 12:16

Tgt Ion: 75 Resp: 14535
Ion Ratio Lower Upper
75 100
77 24.1 25.3 37.9#





#49
 cis-1,3-Dichloropropene
 Concen: 5.955 ug/l
 RT: 10.186 min Scan# 1394
 Delta R.T. -0.000 min
 Lab File: VN072495.D
 Acq: 16 May 2022 12:16

Instrument :

MSVOA_N

ClientSampleId :

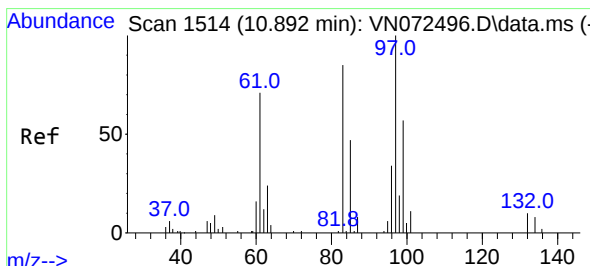
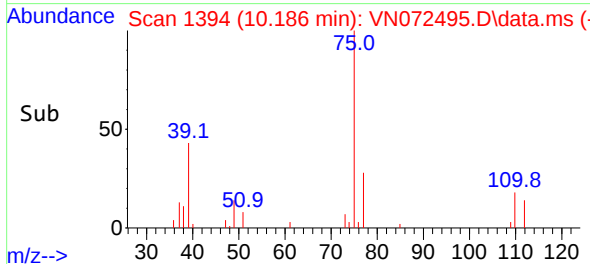
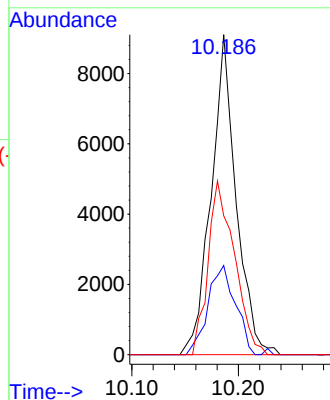
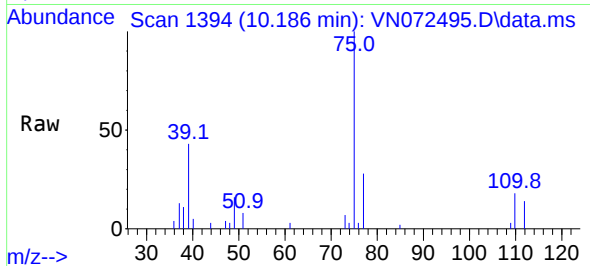
VSTDICC005

Tgt Ion: 75 Resp: 1485
 Ion Ratio Lower Upper
 75 100
 77 27.8 25.3 37.9
 39 43.4 46.2 69.4

Manual Integrations

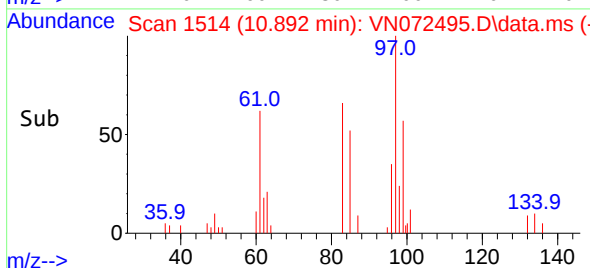
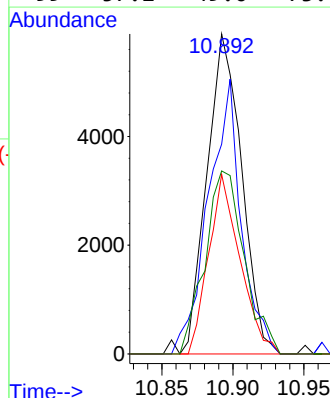
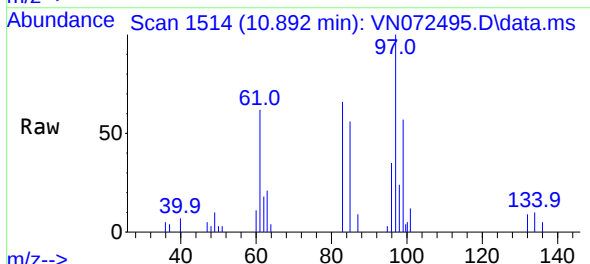
APPROVED

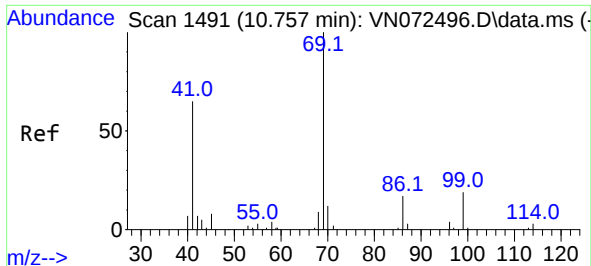
Reviewed By :John Carlone 05/17/2022
 Supervised By :Mahesh Dadoda 05/17/2022



#50
 1,1,2-Trichloroethane
 Concen: 6.470 ug/l
 RT: 10.892 min Scan# 1514
 Delta R.T. -0.000 min
 Lab File: VN072495.D
 Acq: 16 May 2022 12:16

Tgt Ion: 97 Resp: 10010
 Ion Ratio Lower Upper
 97 100
 83 65.6 67.2 100.8#
 85 56.1 43.0 64.4
 99 57.2 49.0 73.4





#51
Ethyl methacrylate
Concen: 5.406 ug/l
RT: 10.757 min Scan# 1491
Delta R.T. -0.000 min
Lab File: VN072495.D
Acq: 16 May 2022 12:16

Instrument :

MSVOA_N

ClientSampleId :

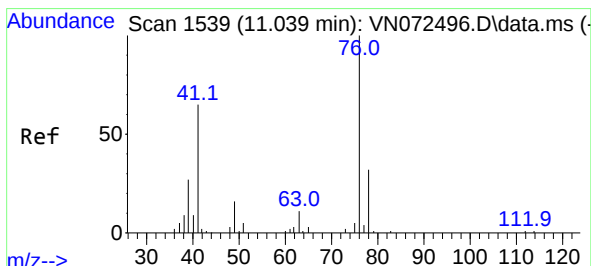
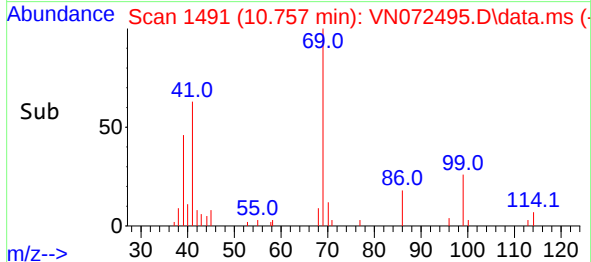
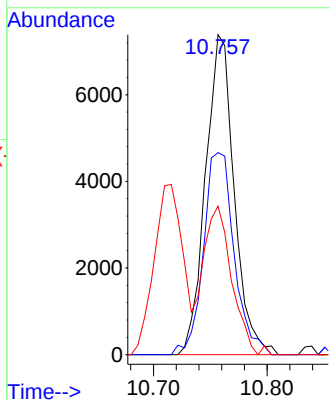
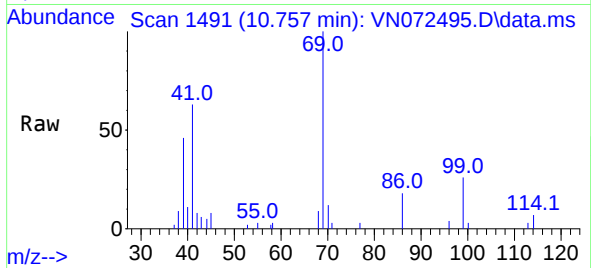
VSTDIC005

Tgt Ion: 69 Resp: 12958
Ion Ratio Lower Upper
69 100
41 63.2 33.0 98.9
39 46.4 25.4 76.4

Manual Integrations

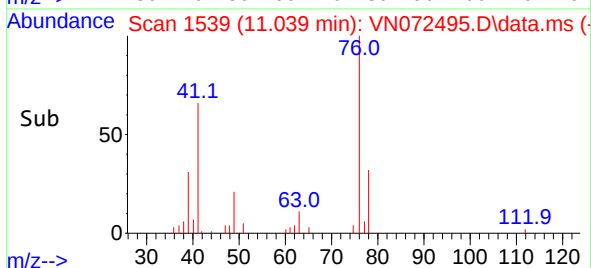
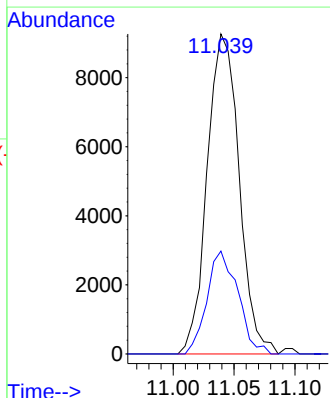
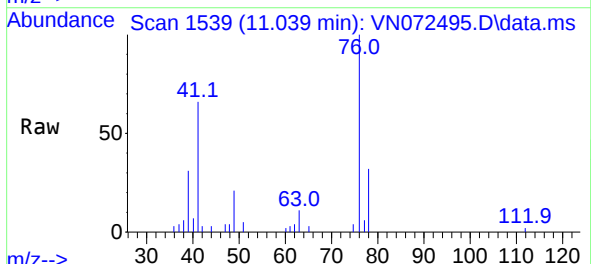
APPROVED

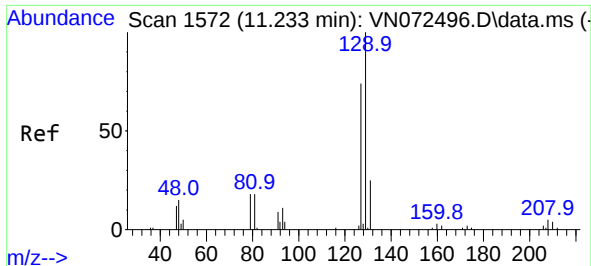
Reviewed By :John Carlone 05/17/2022
Supervised By :Mahesh Dadoda 05/17/2022



#52
1,3-Dichloropropane
Concen: 6.367 ug/l
RT: 11.039 min Scan# 1539
Delta R.T. -0.000 min
Lab File: VN072495.D
Acq: 16 May 2022 12:16

Tgt Ion: 76 Resp: 16945
Ion Ratio Lower Upper
76 100
78 31.1 0.0 65.4





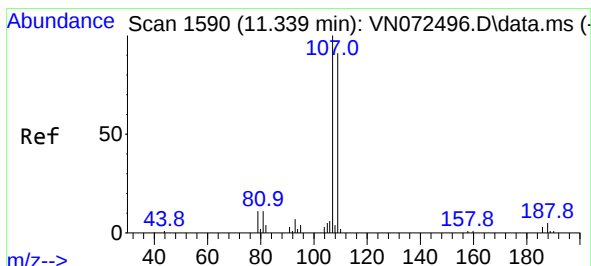
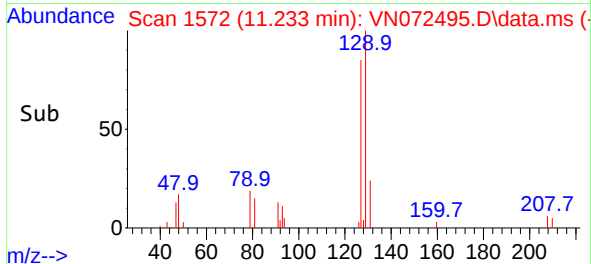
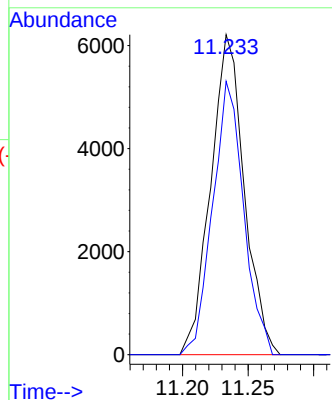
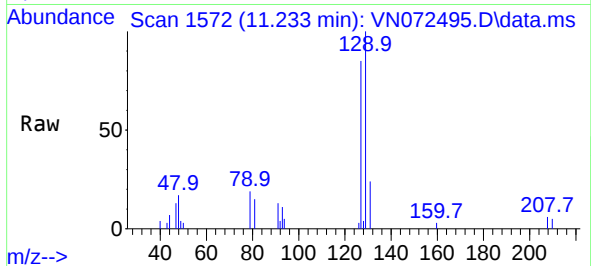
#53
Dibromochloromethane
Concen: 6.436 ug/l
RT: 11.233 min Scan# 1104
Delta R.T. -0.000 min
Lab File: VN072495.D
Acq: 16 May 2022 12:16

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tgt Ion:129 Resp: 1104
Ion Ratio Lower Upper
129 100
127 78.8 39.0 117.0

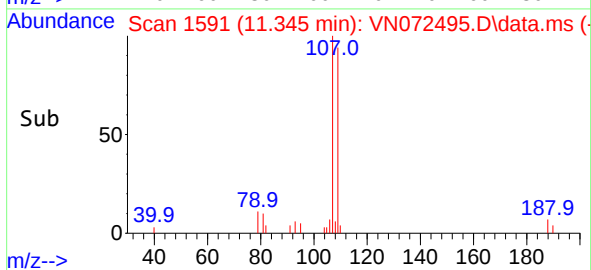
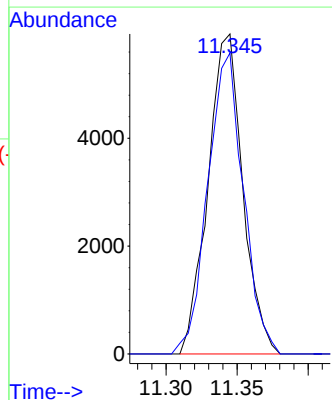
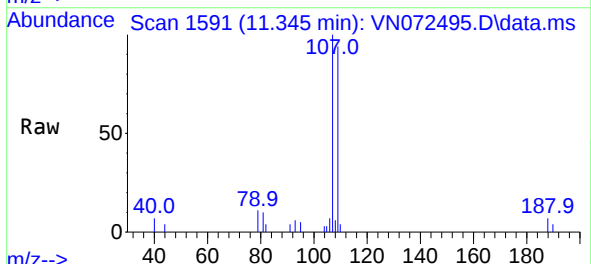
Manual Integrations
APPROVED

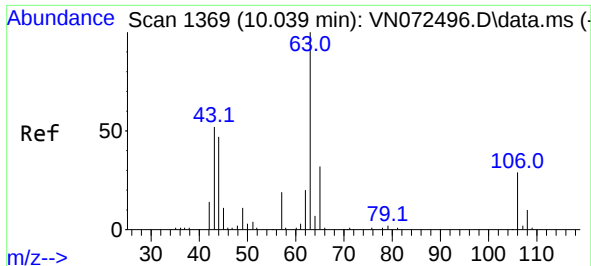
Reviewed By :John Carlone 05/17/2022
Supervised By :Mahesh Dadoda 05/17/2022



#54
1,2-Dibromoethane
Concen: 6.311 ug/l
RT: 11.345 min Scan# 1591
Delta R.T. 0.006 min
Lab File: VN072495.D
Acq: 16 May 2022 12:16

Tgt Ion:107 Resp: 10124
Ion Ratio Lower Upper
107 100
109 96.0 72.8 109.2





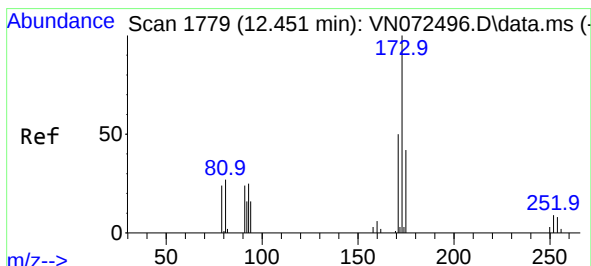
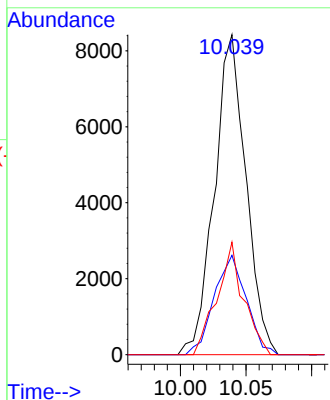
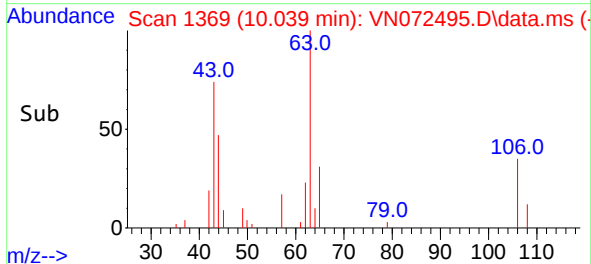
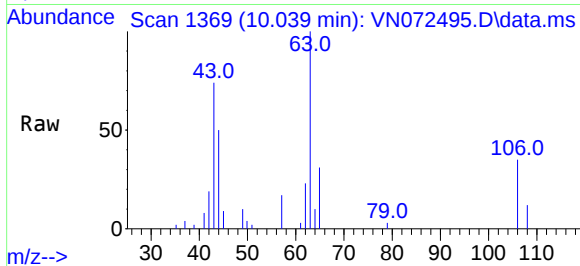
#55
2-Chloroethyl vinyl ether
Concen: 23.210 ug/l
RT: 10.039 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN072495.D
Acq: 16 May 2022 12:16

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion: 63 Resp: 1406
Ion Ratio Lower Upper
63 100
65 31.8 25.4 38.0
106 29.8 23.2 34.8

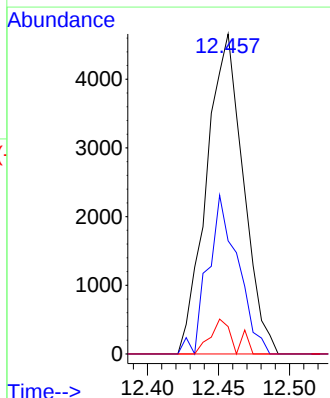
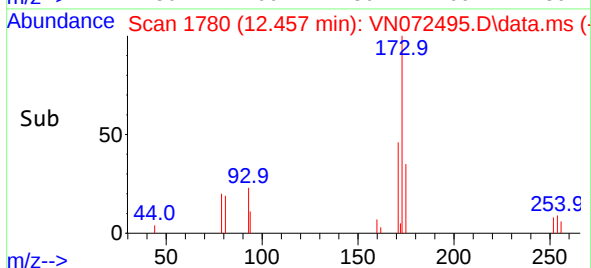
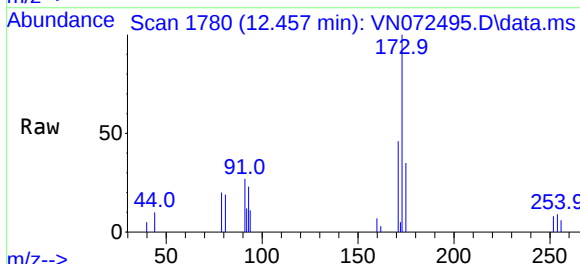
Manual Integrations
APPROVED

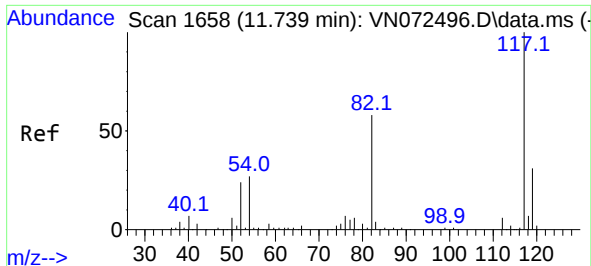
Reviewed By :John Carlone 05/17/2022
Supervised By :Mahesh Dadoda 05/17/2022



#56
Bromoform
Concen: 6.524 ug/l
RT: 12.457 min Scan# 1780
Delta R.T. 0.006 min
Lab File: VN072495.D
Acq: 16 May 2022 12:16

Tgt Ion:173 Resp: 8373
Ion Ratio Lower Upper
173 100
175 39.7 38.6 58.0
254 5.6 0.0 0.0#





#57

Chlorobenzene-d5

Concen: 30.000 ug/l

RT: 11.739 min Scan# 117

Delta R.T. -0.000 min

Lab File: VN072495.D

Acq: 16 May 2022 12:16

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

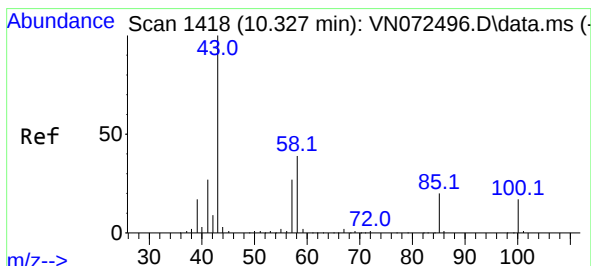
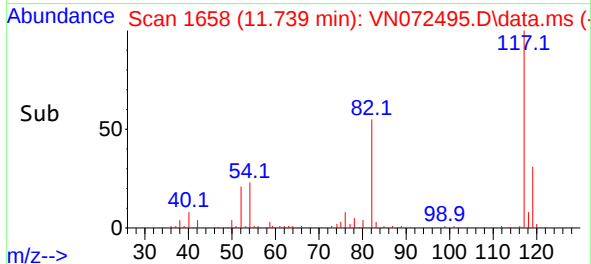
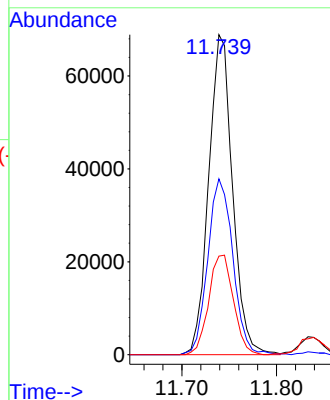
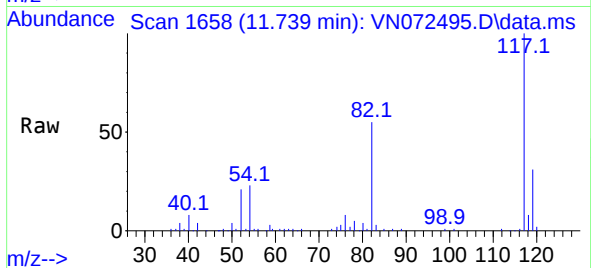
Tgt Ion:	117	Resp:	12031
Ion Ratio	Lower	Upper	
117	100		
82	57.9	43.6	65.4
119	32.3	25.8	38.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/17/2022

Supervised By :Mahesh Dadoda 05/17/2022



#58

4-Methyl-2-Pentanone

Concen: 30.024 ug/l

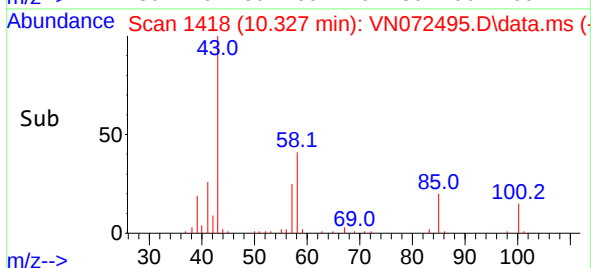
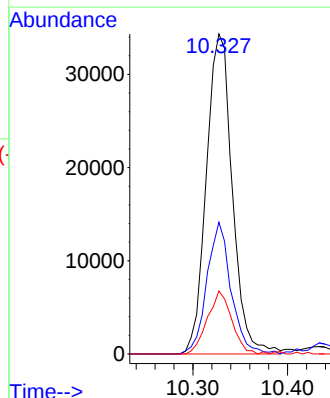
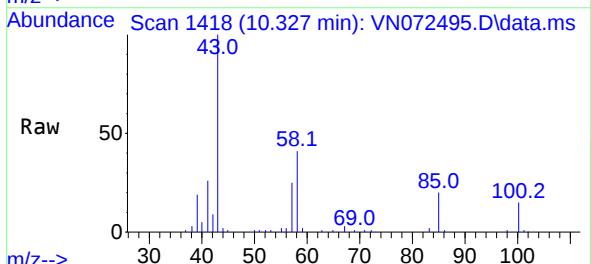
RT: 10.327 min Scan# 1418

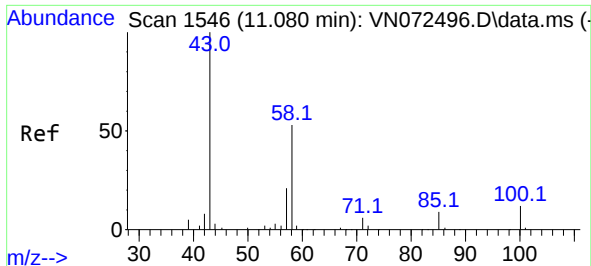
Delta R.T. -0.000 min

Lab File: VN072495.D

Acq: 16 May 2022 12:16

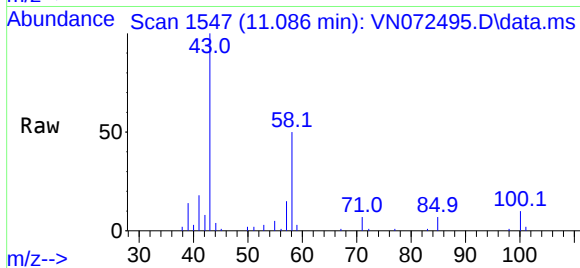
Tgt Ion:	43	Resp:	65473
Ion Ratio	Lower	Upper	
43	100		
58	38.2	30.0	45.0
85	18.3	15.0	22.6





#59
2-Hexanone
Concen: 28.327 ug/l
RT: 11.086 min Scan# 11086
Delta R.T. 0.006 min
Lab File: VN072495.D
Acq: 16 May 2022 12:16

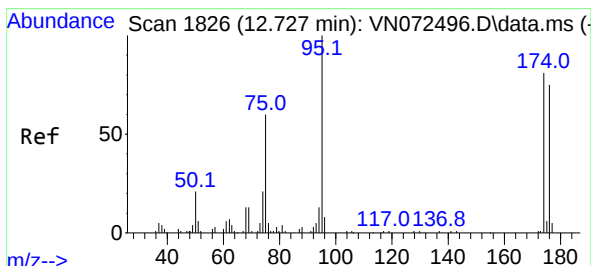
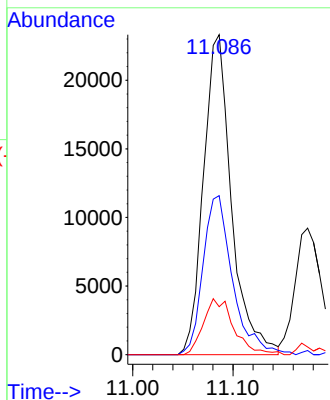
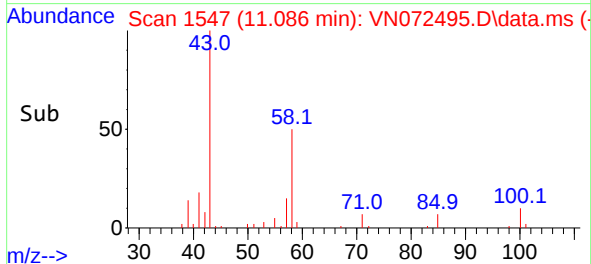
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005



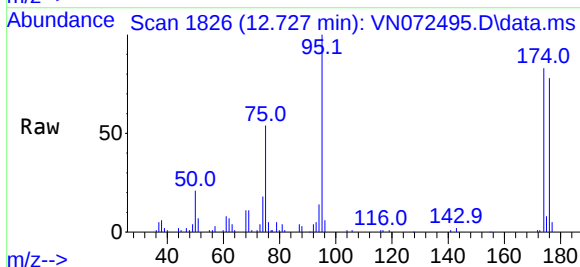
Tgt Ion: 43 Resp: 4525
Ion Ratio Lower Upper
43 100
58 52.6 42.2 63.2
57 18.9 15.0 22.4

Manual Integrations
APPROVED

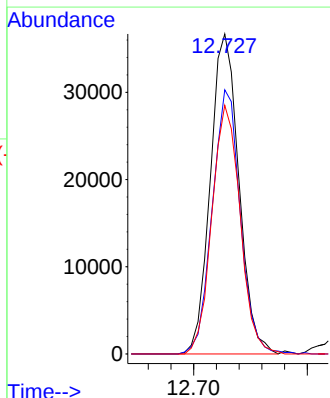
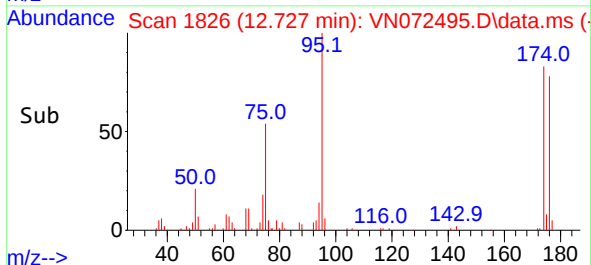
Reviewed By :John Carlone 05/17/2022
Supervised By :Mahesh Dadoda 05/17/2022

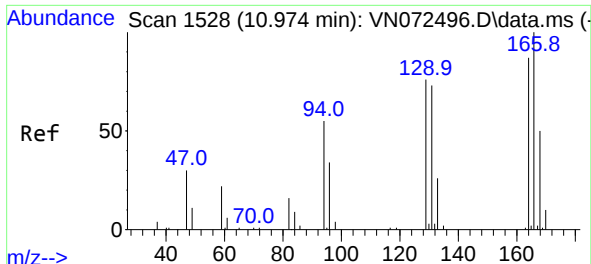


#60
4-Bromofluorobenzene
Concen: 32.136 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. -0.000 min
Lab File: VN072495.D
Acq: 16 May 2022 12:16



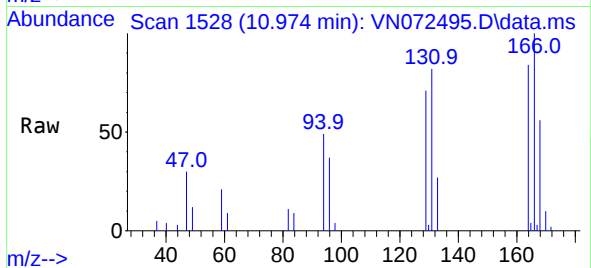
Tgt Ion: 95 Resp: 63905
Ion Ratio Lower Upper
95 100
174 81.1 62.9 94.3
176 76.9 61.0 91.4





#61
Tetrachloroethene
Concen: 6.829 ug/l
RT: 10.974 min Scan# 1528
Delta R.T. -0.000 min
Lab File: VN072495.D
Acq: 16 May 2022 12:16

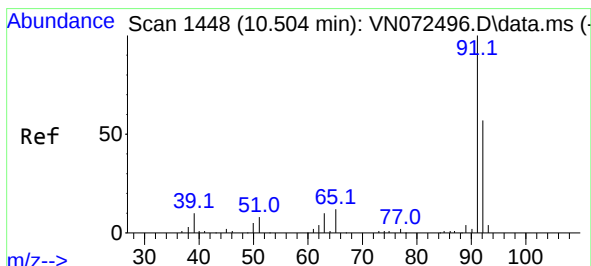
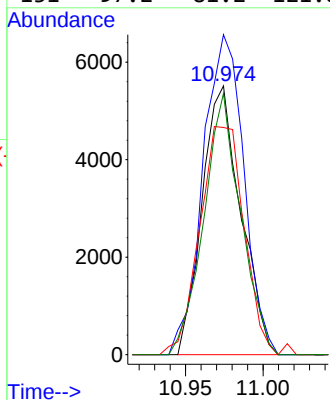
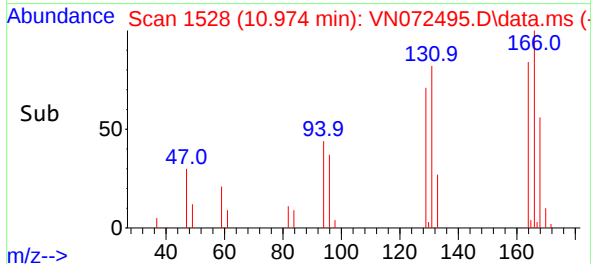
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005



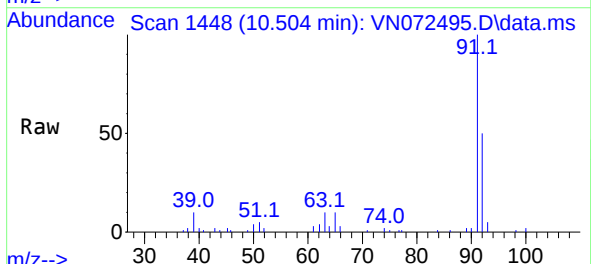
Tgt Ion:164 Resp: 9580
Ion Ratio Lower Upper
164 100
166 119.0 105.8 158.8
129 84.5 82.5 123.7
131 97.2 81.2 121.8

Manual Integrations
APPROVED

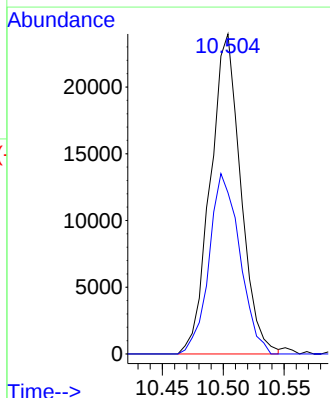
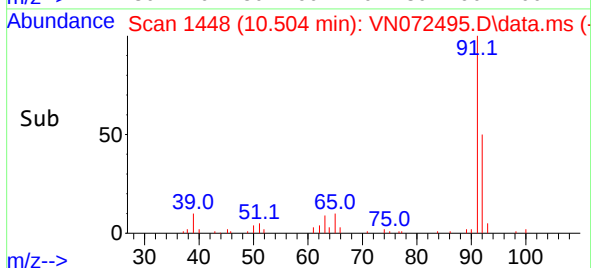
Reviewed By :John Carlone 05/17/2022
Supervised By :Mahesh Dadoda 05/17/2022

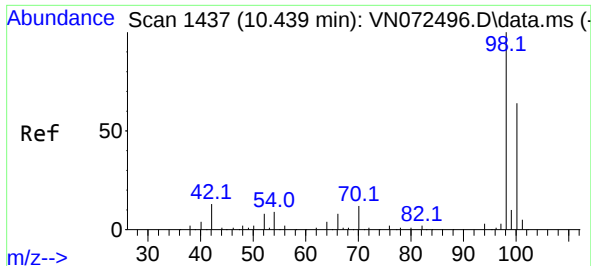


#62
Toluene
Concen: 6.220 ug/l
RT: 10.504 min Scan# 1448
Delta R.T. -0.000 min
Lab File: VN072495.D
Acq: 16 May 2022 12:16



Tgt Ion: 91 Resp: 41569
Ion Ratio Lower Upper
91 100
92 57.1 44.6 67.0





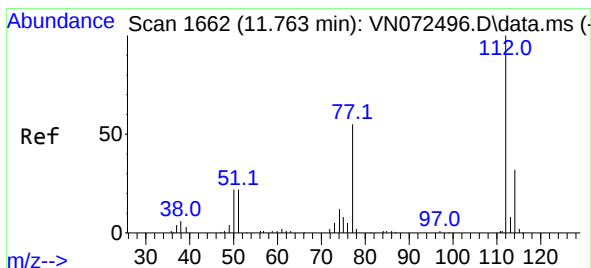
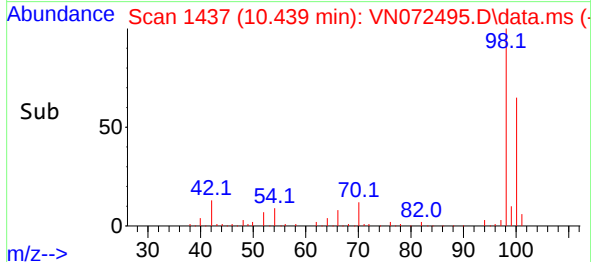
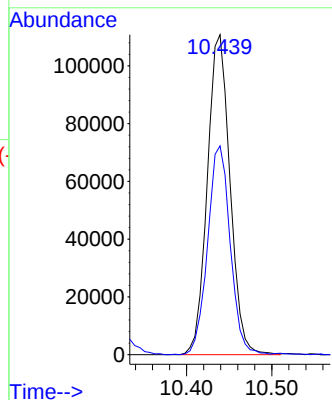
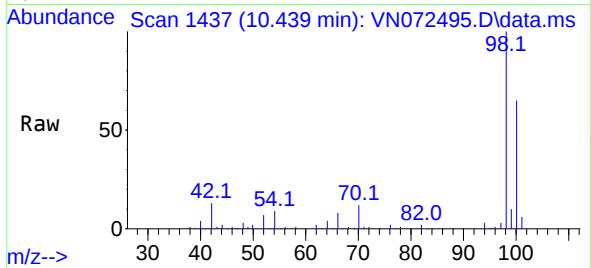
#63
Toluene-d8
Concen: 34.721 ug/l
RT: 10.439 min Scan# 1437
Delta R.T. -0.000 min
Lab File: VN072495.D
Acq: 16 May 2022 12:16

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tgt Ion: 98 Resp: 205099
Ion Ratio Lower Upper
98 100
100 64.9 50.6 76.0

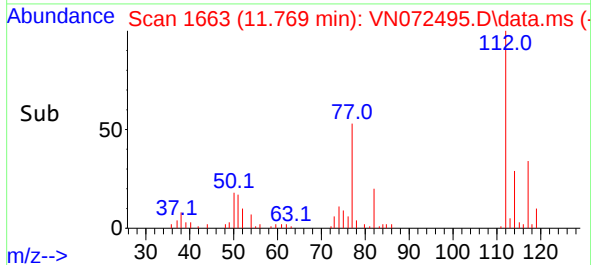
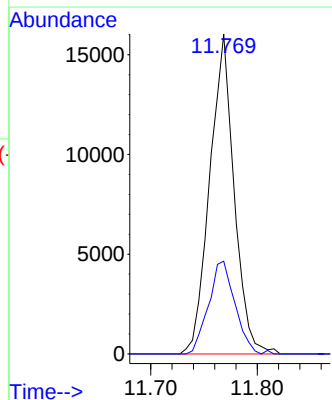
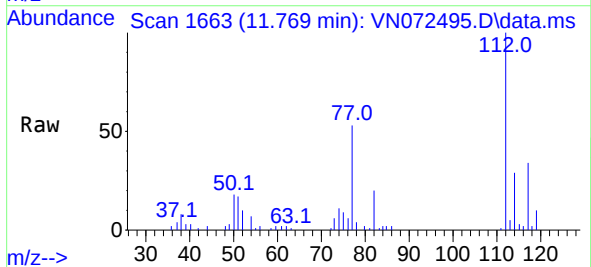
Manual Integrations
APPROVED

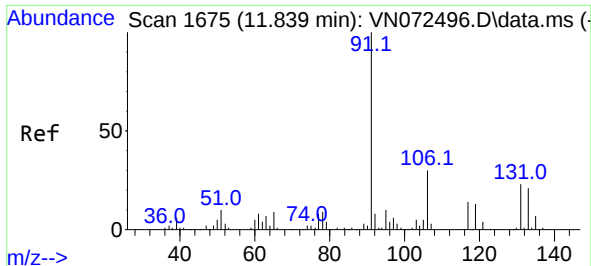
Reviewed By :John Carlone 05/17/2022
Supervised By :Mahesh Dadoda 05/17/2022



#64
Chlorobenzene
Concen: 6.188 ug/l
RT: 11.769 min Scan# 1663
Delta R.T. 0.006 min
Lab File: VN072495.D
Acq: 16 May 2022 12:16

Tgt Ion:112 Resp: 25542
Ion Ratio Lower Upper
112 100
114 29.0 25.8 38.6





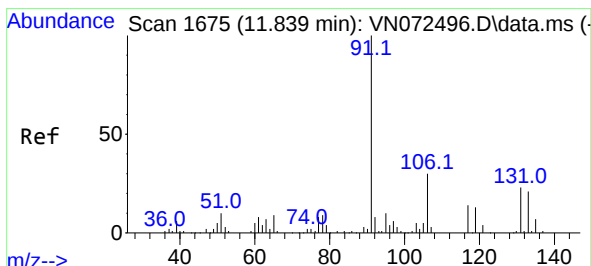
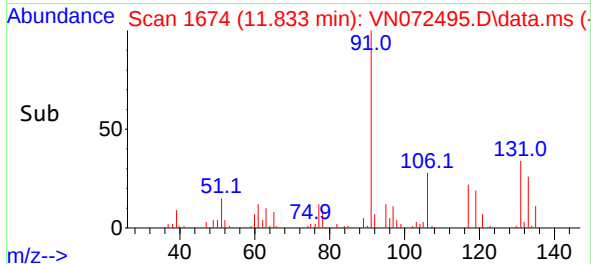
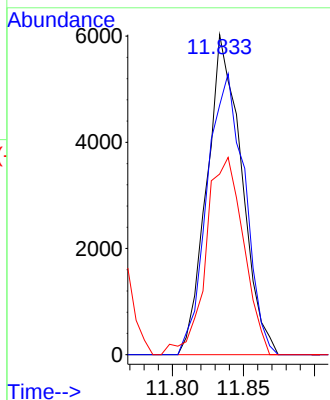
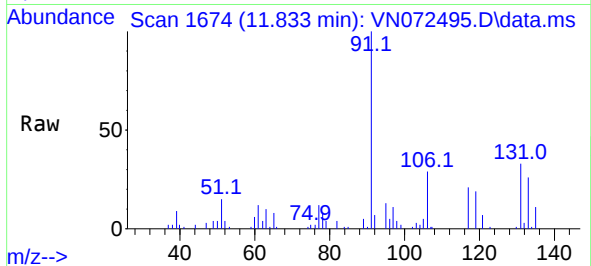
#65
1,1,1,2-Tetrachloroethane
Concen: 6.378 ug/l
RT: 11.833 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN072495.D
Acq: 16 May 2022 12:16

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tgt Ion:131 Resp: 10224
Ion Ratio Lower Upper
131 100
133 94.8 0.0 191.2
119 65.5 0.0 128.8

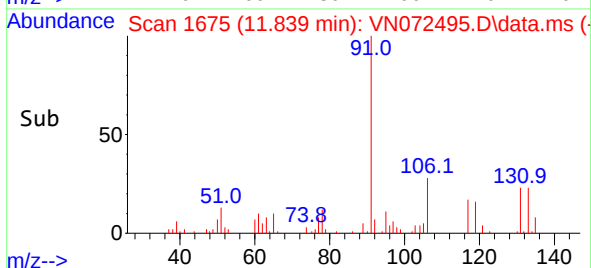
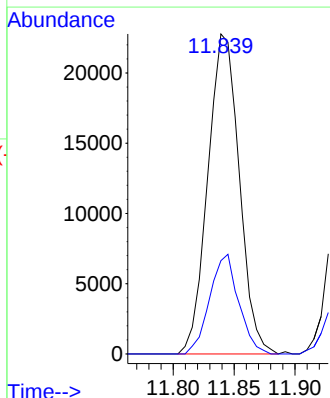
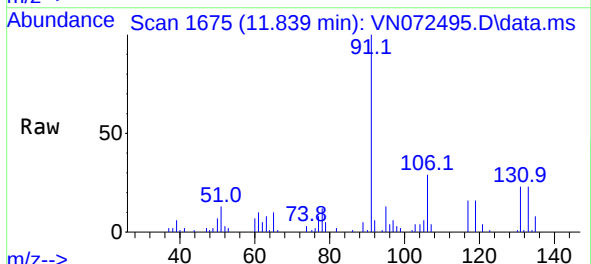
Manual Integrations
APPROVED

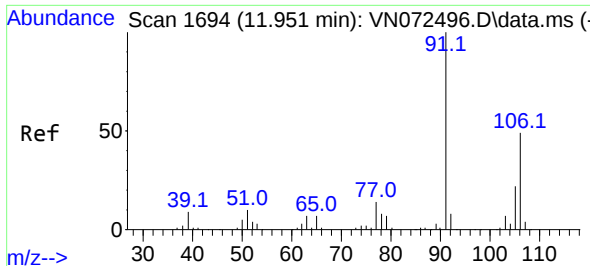
Reviewed By :John Carlone 05/17/2022
Supervised By :Mahesh Dadoda 05/17/2022



#66
Ethyl Benzene
Concen: 5.557 ug/l
RT: 11.839 min Scan# 1675
Delta R.T. -0.000 min
Lab File: VN072495.D
Acq: 16 May 2022 12:16

Tgt Ion: 91 Resp: 40919
Ion Ratio Lower Upper
91 100
106 29.1 24.0 36.0





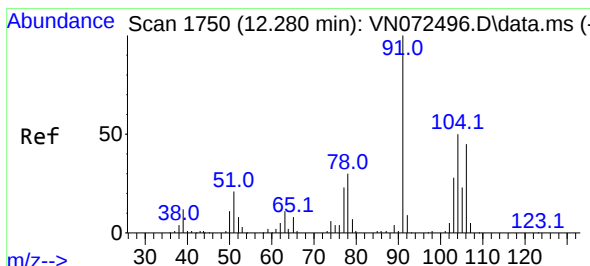
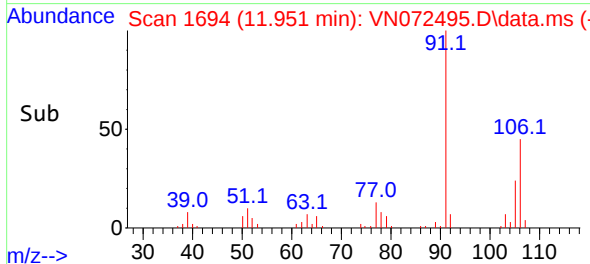
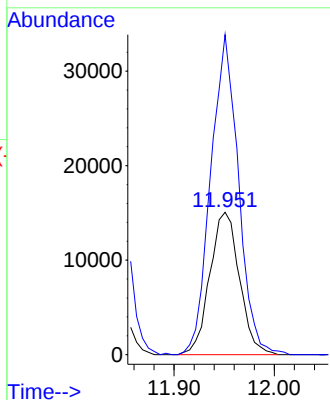
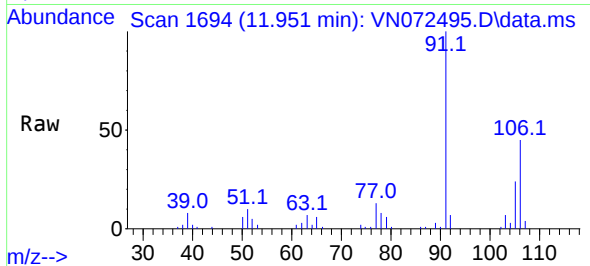
#67
m/p-Xylenes
Concen: 10.929 ug/l
RT: 11.951 min Scan# 1100
Delta R.T. -0.000 min
Lab File: VN072495.D
Acq: 16 May 2022 12:16

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tgt Ion:106 Resp: 30909
Ion Ratio Lower Upper
106 100
91 210.7 162.9 244.3

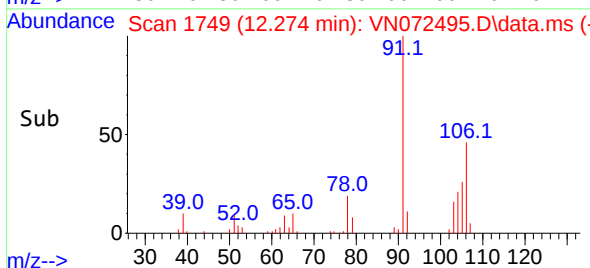
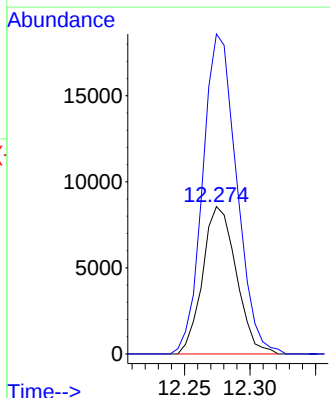
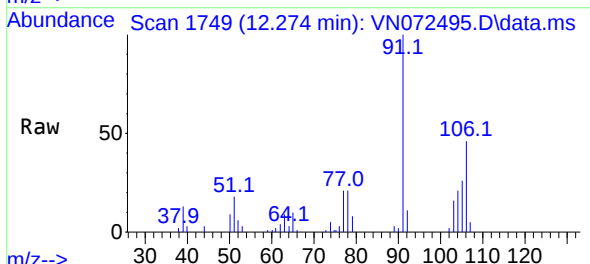
Manual Integrations
APPROVED

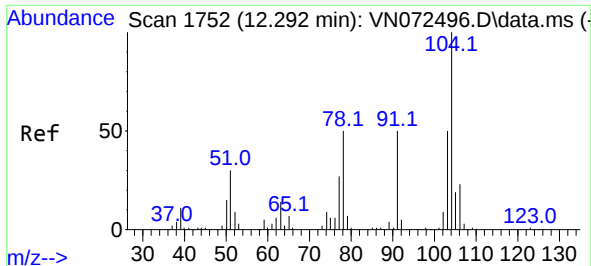
Reviewed By :John Carlone 05/17/2022
Supervised By :Mahesh Dadoda 05/17/2022



#68
o-Xylene
Concen: 5.405 ug/l
RT: 12.274 min Scan# 1749
Delta R.T. -0.006 min
Lab File: VN072495.D
Acq: 16 May 2022 12:16

Tgt Ion:106 Resp: 15241
Ion Ratio Lower Upper
106 100
91 219.3 107.7 323.1





#69

Styrene

Concen: 5.068 ug/l

RT: 12.292 min Scan# 11

Delta R.T. -0.000 min

Lab File: VN072495.D

Acq: 16 May 2022 12:16

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

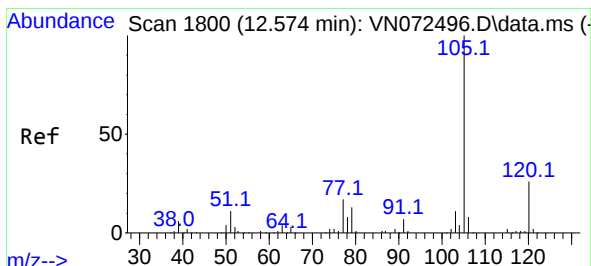
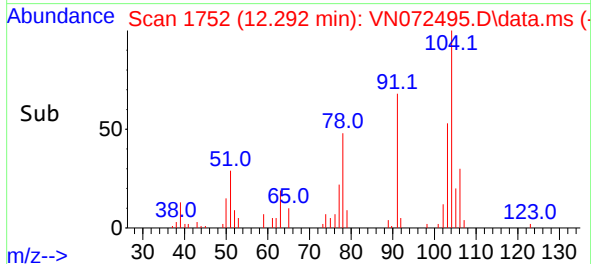
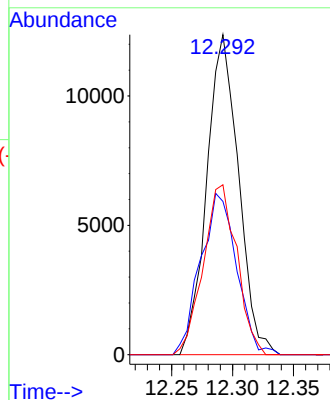
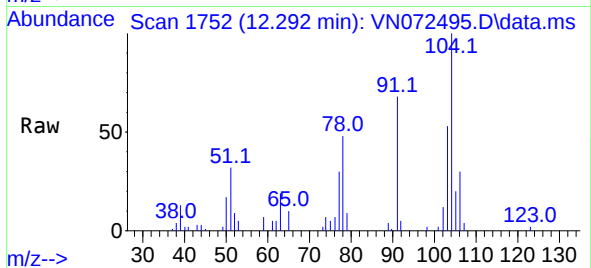
Tgt Ion:104 Resp: 2249
 Ion Ratio Lower Upper
 104 100
 78 56.4 40.7 61.1
 103 55.9 45.8 68.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/17/2022

Supervised By :Mahesh Dadoda 05/17/2022



#70

Isopropylbenzene

Concen: 5.305 ug/l

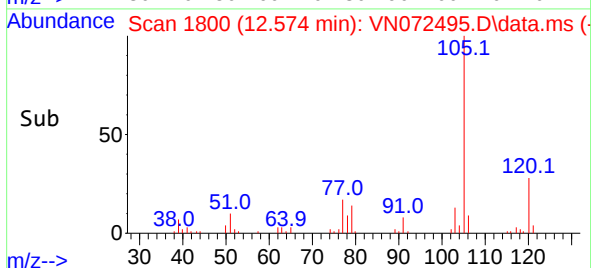
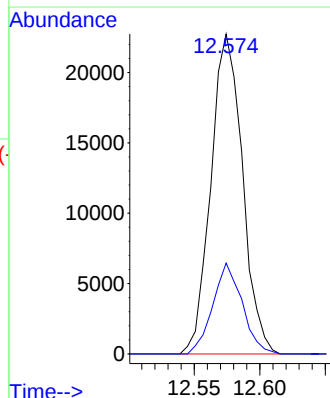
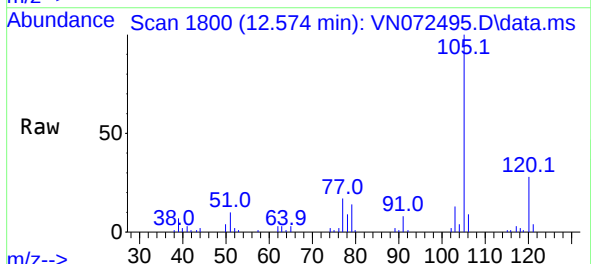
RT: 12.574 min Scan# 1800

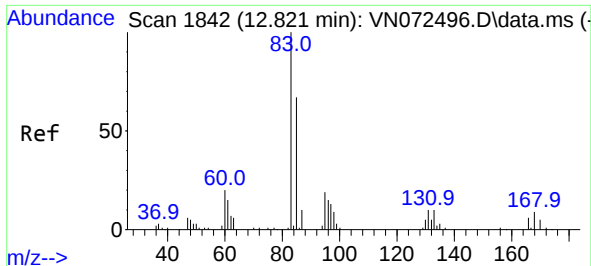
Delta R.T. -0.000 min

Lab File: VN072495.D

Acq: 16 May 2022 12:16

Tgt Ion:105 Resp: 38045
 Ion Ratio Lower Upper
 105 100
 120 26.5 18.3 34.1





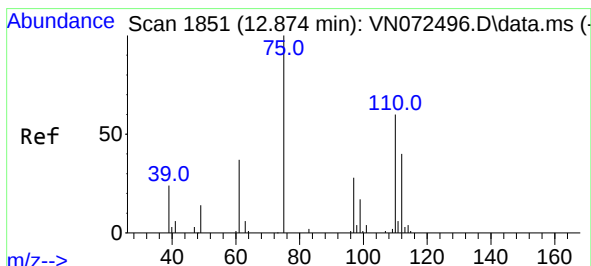
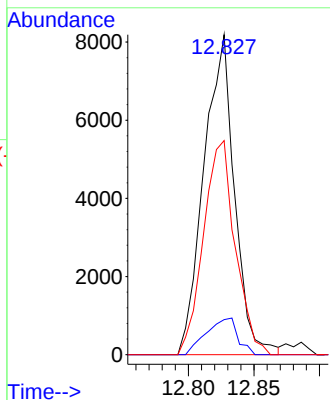
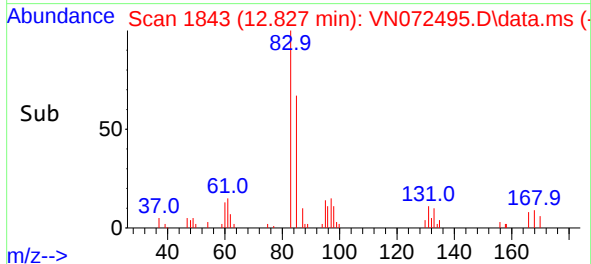
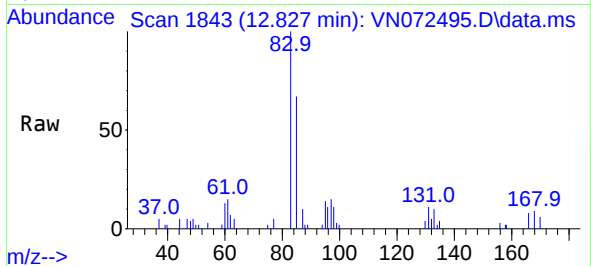
#71
1,1,2,2-Tetrachloroethane
Concen: 5.787 ug/l
RT: 12.827 min Scan# 1843
Delta R.T. 0.006 min
Lab File: VN072495.D
Acq: 16 May 2022 12:16

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tgt Ion: 83 Resp: 13298
Ion Ratio Lower Upper
83 100
131 11.7 5.1 15.3
85 69.3 33.1 99.2

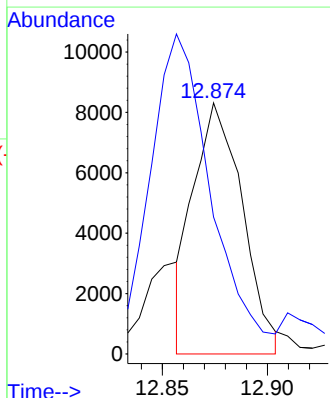
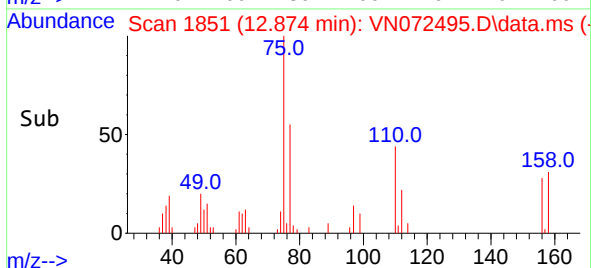
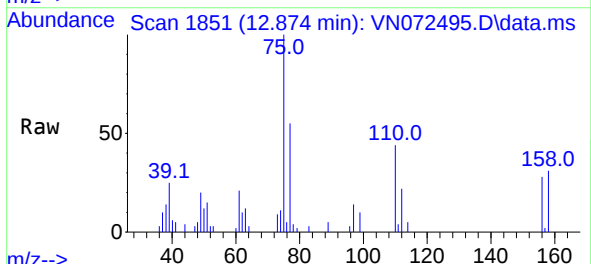
Manual Integrations
APPROVED

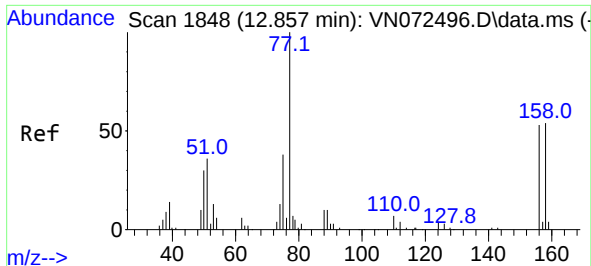
Reviewed By :John Carlone 05/17/2022
Supervised By :Mahesh Dadoda 05/17/2022



#72
1,2,3-Trichloropropane
Concen: 6.616 ug/l m
RT: 12.874 min Scan# 1851
Delta R.T. -0.000 min
Lab File: VN072495.D
Acq: 16 May 2022 12:16

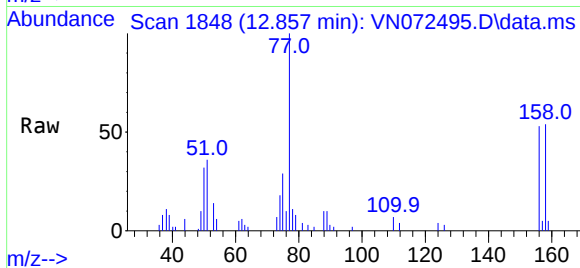
Tgt Ion: 75 Resp: 13474
Ion Ratio Lower Upper
75 100
77 159.8 0.0 378.0





#73
Bromobenzene
Concen: 5.778 ug/l
RT: 12.857 min Scan# 1848
Delta R.T. -0.000 min
Lab File: VN072495.D
Acq: 16 May 2022 12:16

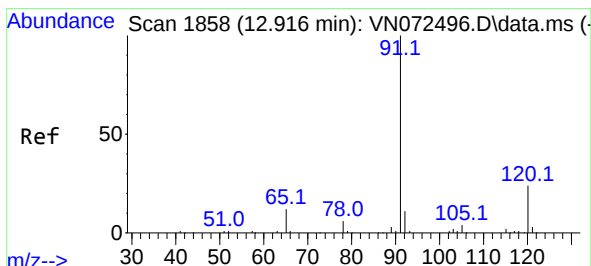
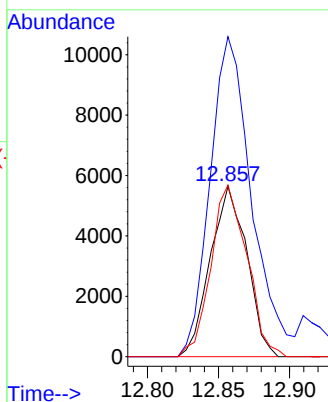
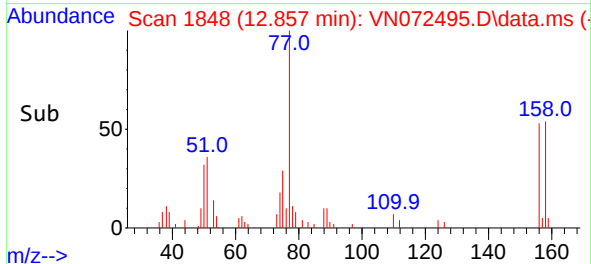
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005



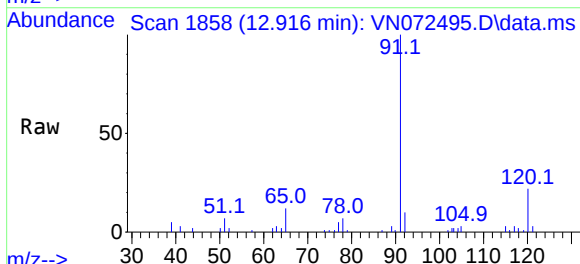
Tgt Ion:156 Resp: 10090
Ion Ratio Lower Upper
156 100
77 213.4 0.0 416.0
158 99.4 0.0 195.4

Manual Integrations
APPROVED

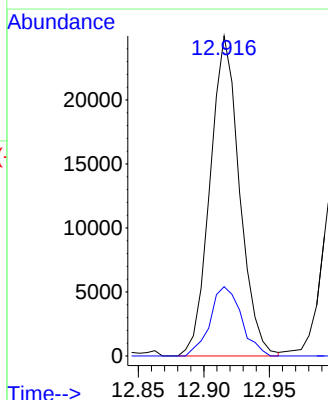
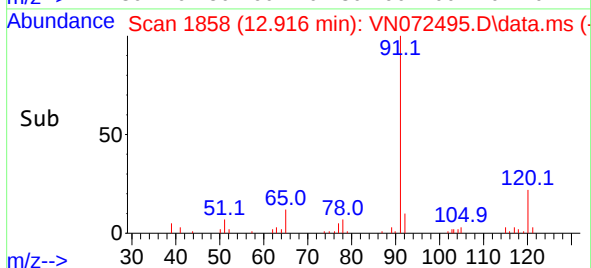
Reviewed By :John Carlone 05/17/2022
Supervised By :Mahesh Dadoda 05/17/2022

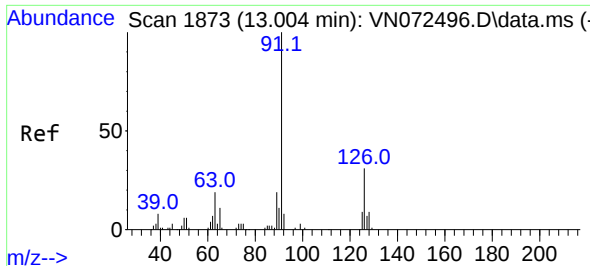


#74
n-propylbenzene
Concen: 5.039 ug/l
RT: 12.916 min Scan# 1858
Delta R.T. -0.000 min
Lab File: VN072495.D
Acq: 16 May 2022 12:16



Tgt Ion: 91 Resp: 39128
Ion Ratio Lower Upper
91 100
120 22.9 0.0 45.0





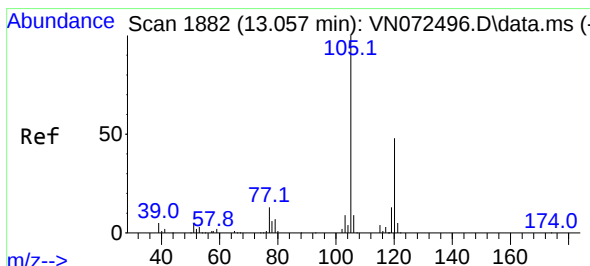
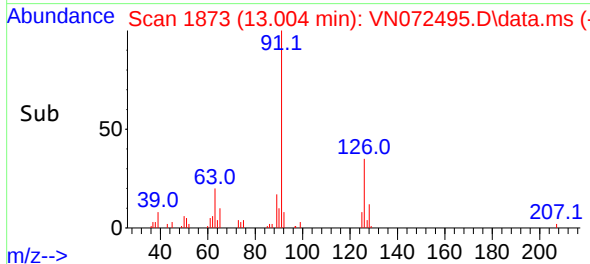
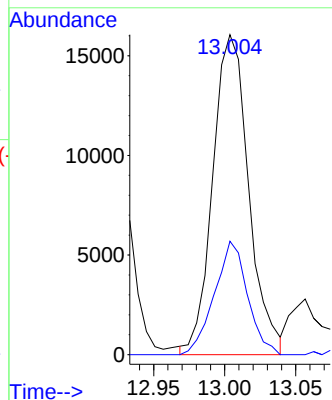
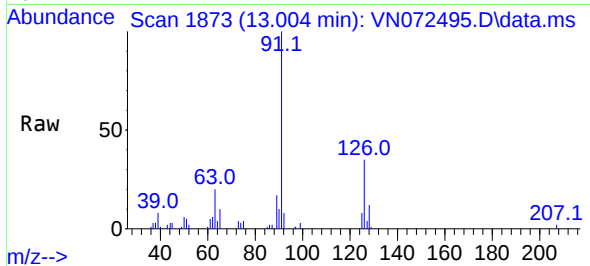
#75
2-Chlorotoluene
Concen: 5.657 ug/l
RT: 13.004 min Scan# 1873
Delta R.T. -0.000 min
Lab File: VN072495.D
Acq: 16 May 2022 12:16

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tgt Ion: 91 Resp: 28230
Ion Ratio Lower Upper
91 100
126 32.7 0.0 69.8

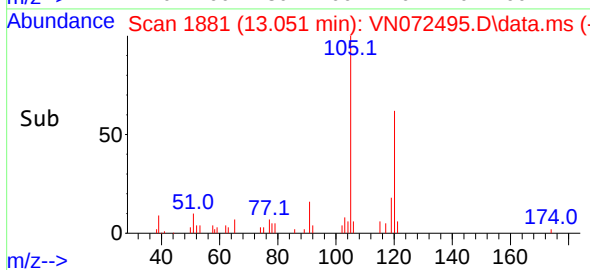
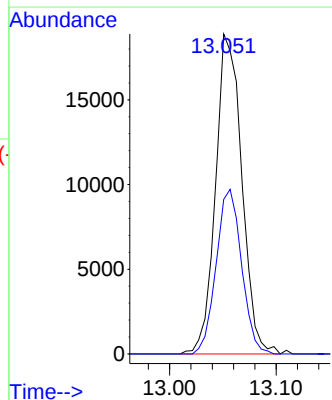
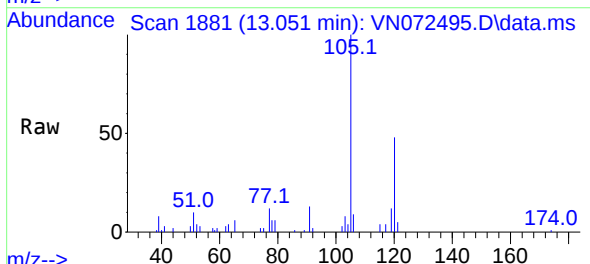
Manual Integrations
APPROVED

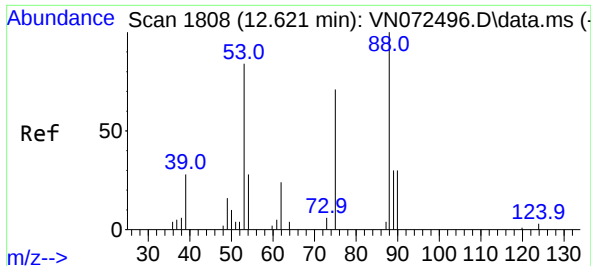
Reviewed By :John Carlone 05/17/2022
Supervised By :Mahesh Dadoda 05/17/2022



#76
1,3,5-Trimethylbenzene
Concen: 5.500 ug/l
RT: 13.051 min Scan# 1881
Delta R.T. -0.006 min
Lab File: VN072495.D
Acq: 16 May 2022 12:16

Tgt Ion:105 Resp: 32249
Ion Ratio Lower Upper
105 100
120 49.8 0.0 93.8





#77

t-1,4-Dichloro-2-butene

Concen: 5.253 ug/l

RT: 12.621 min Scan# 1808

Delta R.T. -0.000 min

Lab File: VN072495.D

Acq: 16 May 2022 12:16

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tgt Ion: 75 Resp: 356

Ion Ratio Lower Upper

75 100

53 107.9 51.8 155.5

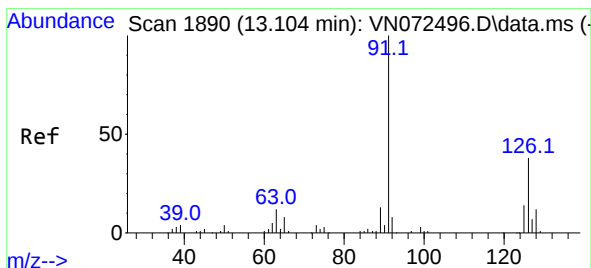
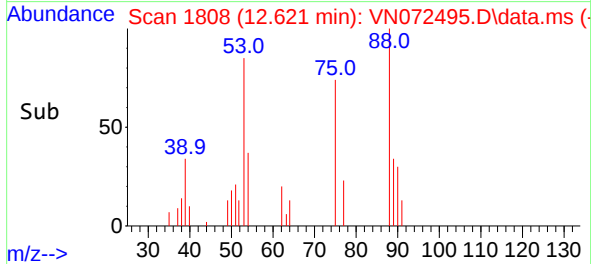
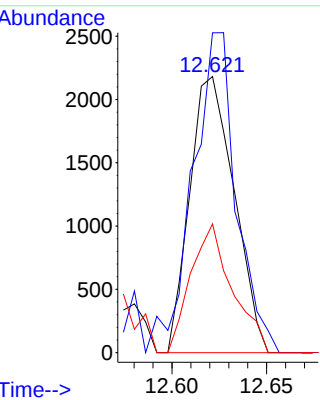
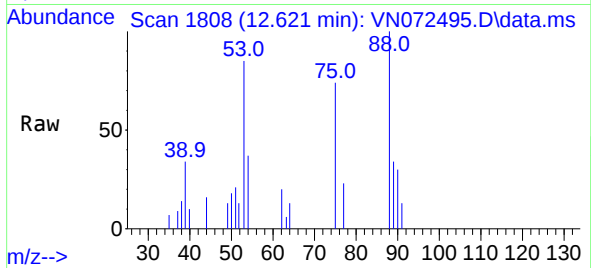
89 46.6 22.9 68.7

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/17/2022

Supervised By :Mahesh Dadoda 05/17/2022



#78

4-Chlorotoluene

Concen: 5.381 ug/l

RT: 13.098 min Scan# 1889

Delta R.T. -0.006 min

Lab File: VN072495.D

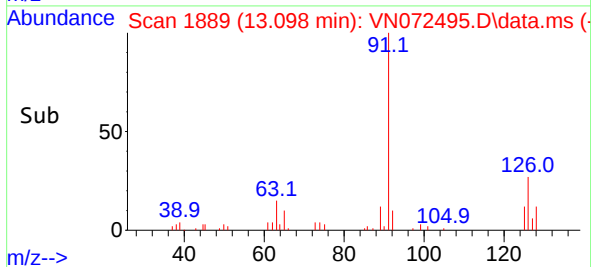
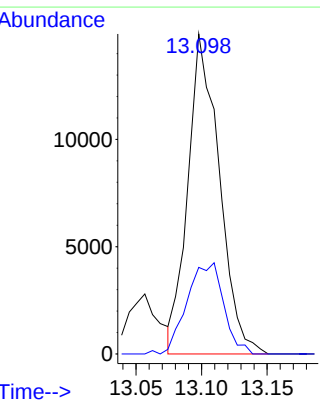
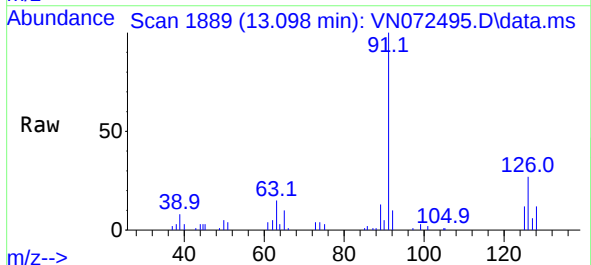
Acq: 16 May 2022 12:16

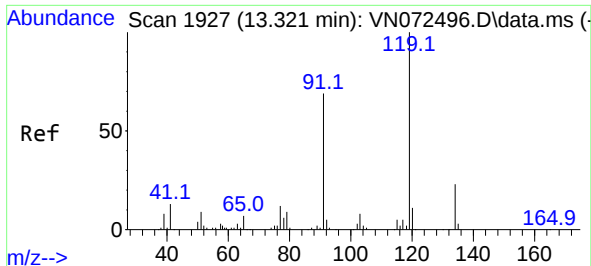
Tgt Ion: 91 Resp: 24851

Ion Ratio Lower Upper

91 100

126 32.9 0.0 70.6





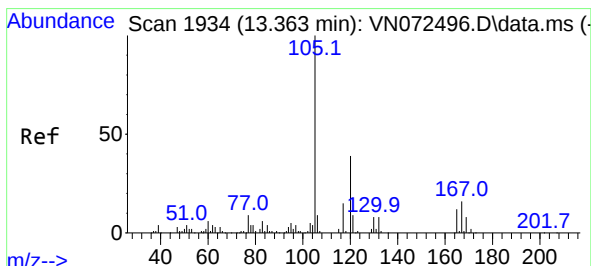
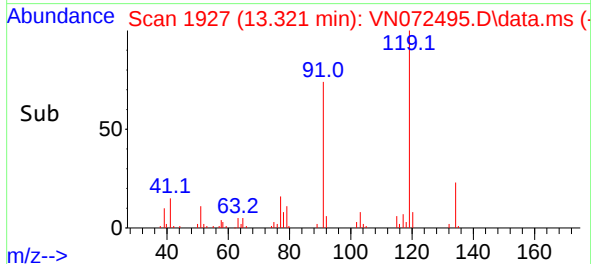
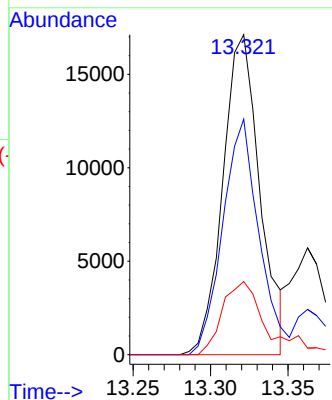
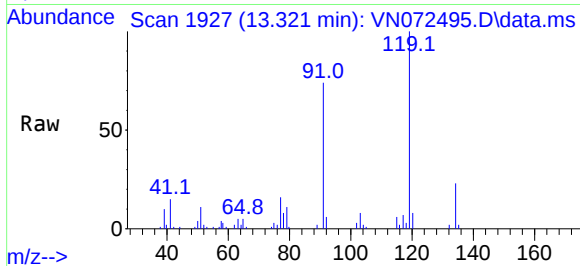
#79
tert-butylbenzene
Concen: 5.447 ug/l
RT: 13.321 min Scan# 1927
Delta R.T. -0.000 min
Lab File: VN072495.D
Acq: 16 May 2022 12:16

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tgt Ion:119 Resp: 28549
Ion Ratio Lower Upper
119 100
91 71.8 0.0 137.0
134 22.4 0.0 47.6

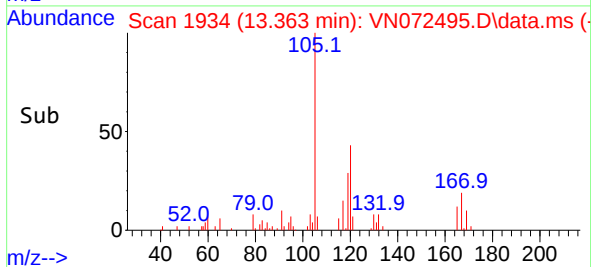
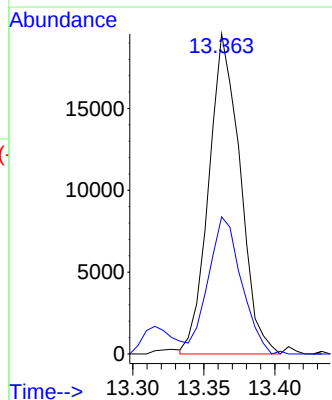
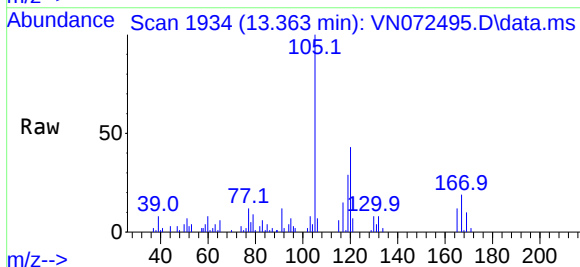
Manual Integrations
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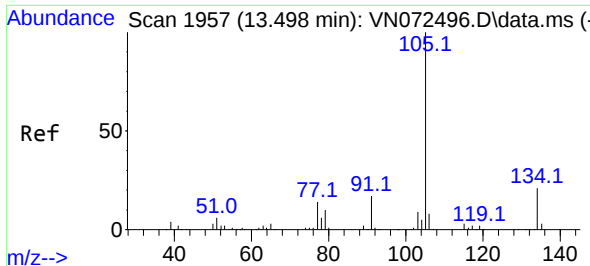
Reviewed By :John Carlone 05/17/2022
Supervised By :Mahesh Dadoda 05/17/2022



#80
1,2,4-Trimethylbenzene
Concen: 5.259 ug/l
RT: 13.363 min Scan# 1934
Delta R.T. -0.000 min
Lab File: VN072495.D
Acq: 16 May 2022 12:16

Tgt Ion:105 Resp: 30005
Ion Ratio Lower Upper
105 100
120 44.8 0.0 0.2#





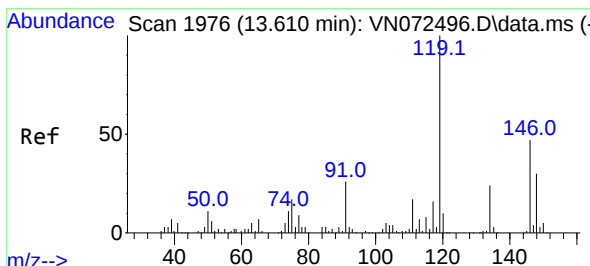
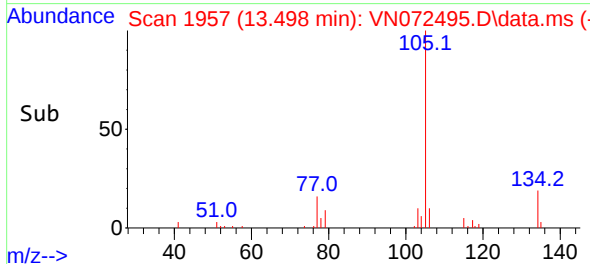
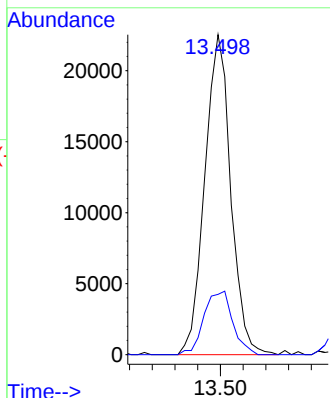
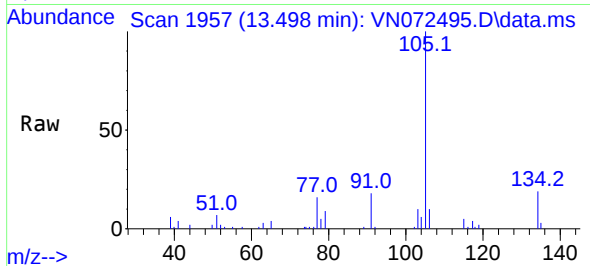
#81
 sec-Butylbenzene
 Concen: 5.129 ug/l
 RT: 13.498 min Scan# 1957
 Delta R.T. -0.000 min
 Lab File: VN072495.D
 Acq: 16 May 2022 12:16

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tgt Ion:105 Resp: 3581
 Ion Ratio Lower Upper
 105 100
 134 22.0 0.0 39.4

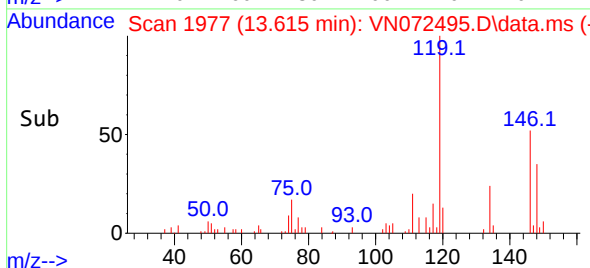
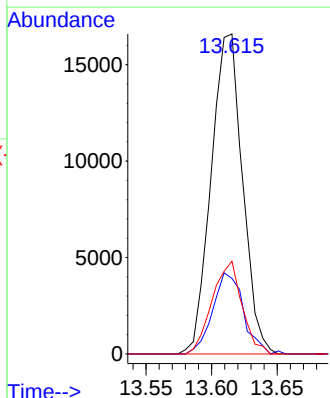
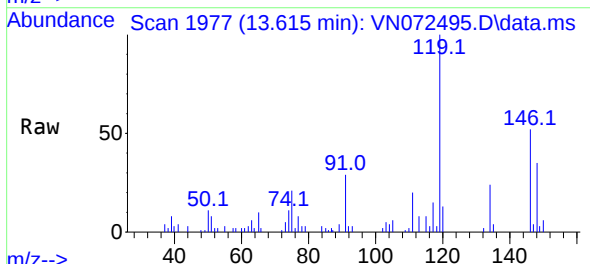
Manual Integrations
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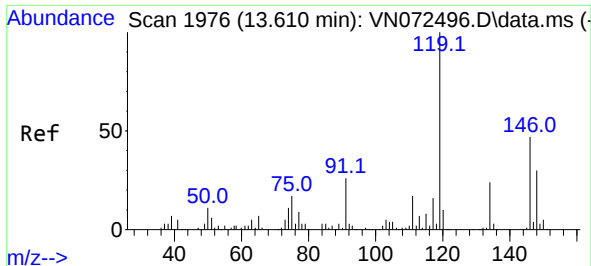
Reviewed By :John Carlone 05/17/2022
 Supervised By :Mahesh Dadoda 05/17/2022



#82
 p-Isopropyltoluene
 Concen: 4.836 ug/l
 RT: 13.615 min Scan# 1977
 Delta R.T. 0.006 min
 Lab File: VN072495.D
 Acq: 16 May 2022 12:16

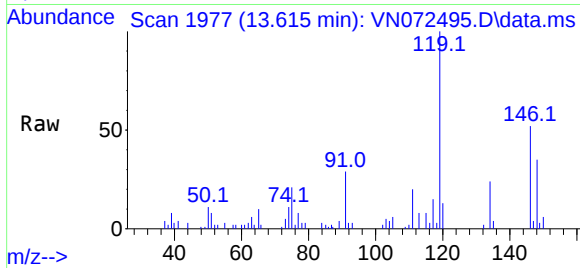
Tgt Ion:119 Resp: 27641
 Ion Ratio Lower Upper
 119 100
 134 24.7 0.0 51.8
 91 27.5 0.0 50.4





#83
1,3-Dichlorobenzene
Concen: 5.563 ug/l
RT: 13.615 min Scan# 1976
Delta R.T. 0.006 min
Lab File: VN072495.D
Acq: 16 May 2022 12:16

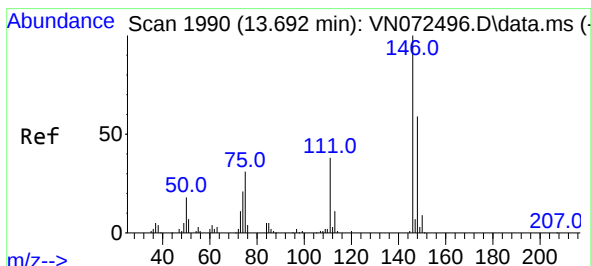
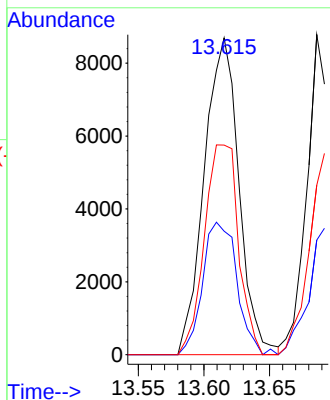
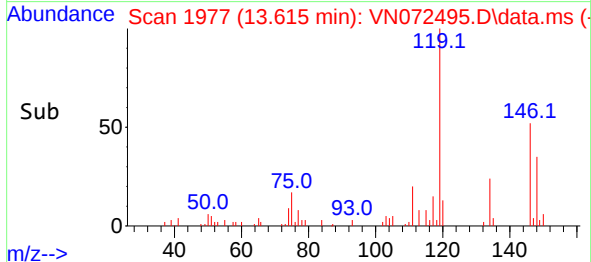
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005



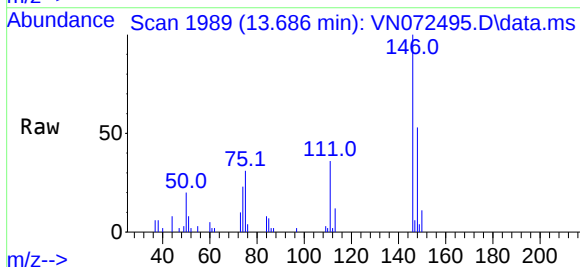
Tgt Ion:146 Resp: 15998
Ion Ratio Lower Upper
146 100
111 41.1 20.8 62.2
148 65.1 31.4 94.3

Manual Integrations
APPROVED

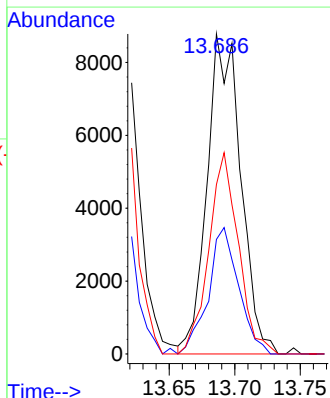
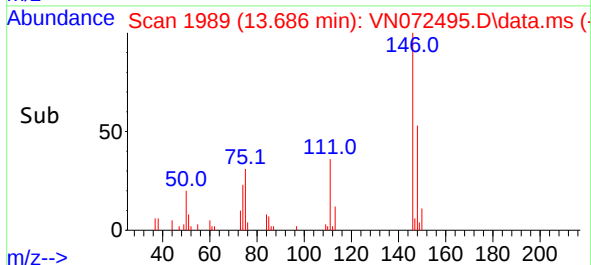
Reviewed By :John Carlone 05/17/2022
Supervised By :Mahesh Dadoda 05/17/2022

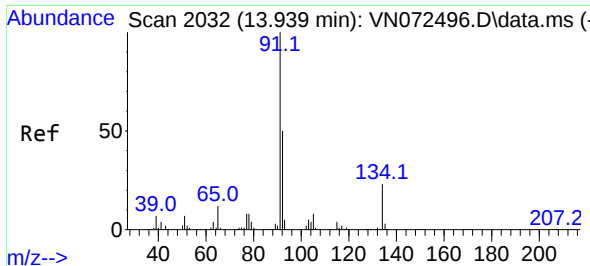


#84
1,4-Dichlorobenzene
Concen: 5.657 ug/l
RT: 13.686 min Scan# 1989
Delta R.T. -0.006 min
Lab File: VN072495.D
Acq: 16 May 2022 12:16



Tgt Ion:146 Resp: 15629
Ion Ratio Lower Upper
146 100
111 35.9 19.5 58.5
148 55.5 31.1 93.5





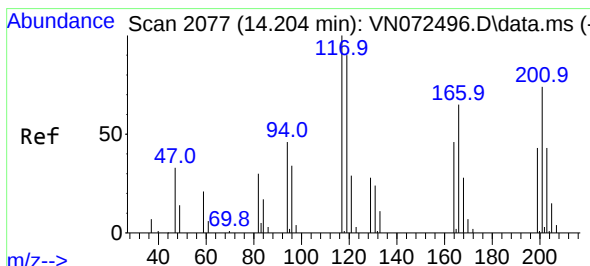
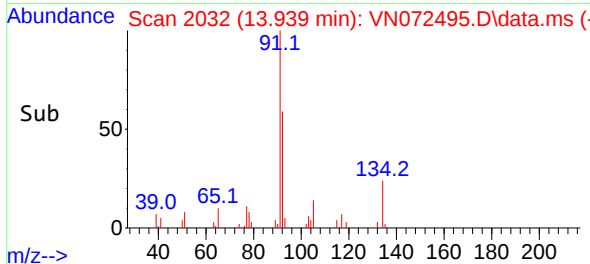
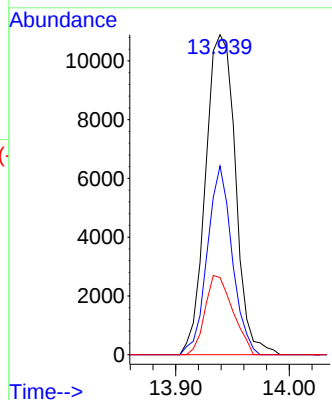
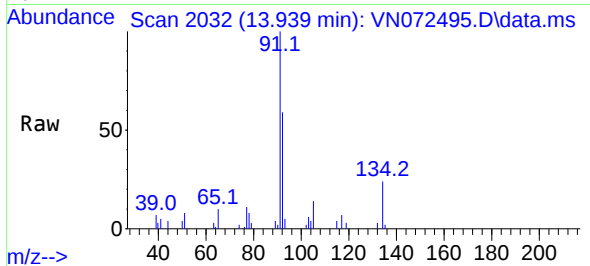
#85
n-Butylbenzene
Concen: 4.786 ug/l
RT: 13.939 min Scan# 2032
Delta R.T. -0.000 min
Lab File: VN072495.D
Acq: 16 May 2022 12:16

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tgt Ion:	91	Resp:	1994
Ion	Ratio	Lower	Upper
91	100		
92	49.0	0.0	100.6
134	22.9	0.0	50.2

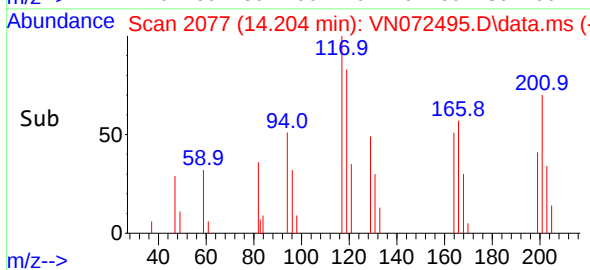
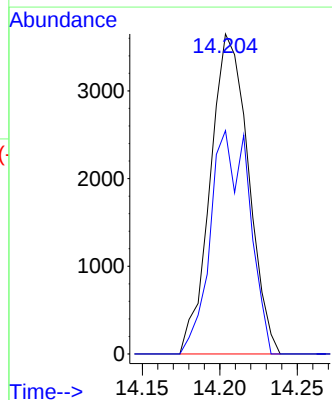
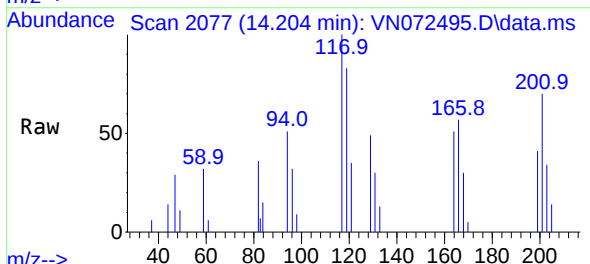
Manual Integrations
APPROVED

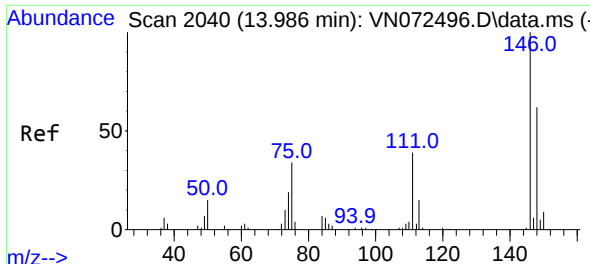
Reviewed By :John Carlone 05/17/2022
Supervised By :Mahesh Dadoda 05/17/2022



#86
Hexachloroethane
Concen: 5.964 ug/l
RT: 14.204 min Scan# 2077
Delta R.T. -0.000 min
Lab File: VN072495.D
Acq: 16 May 2022 12:16

Tgt Ion:	117	Resp:	6238
Ion	Ratio	Lower	Upper
117	100		
201	46.4	33.3	99.8





#87

1,2-Dichlorobenzene

Concen: 5.601 ug/l

RT: 13.986 min Scan# 2040

Delta R.T. -0.000 min

Lab File: VN072495.D

Acq: 16 May 2022 12:16

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC005

Tgt Ion:146 Resp: 1564

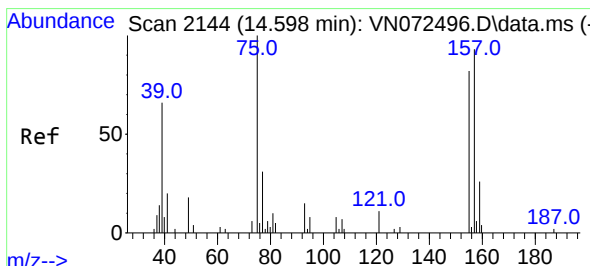
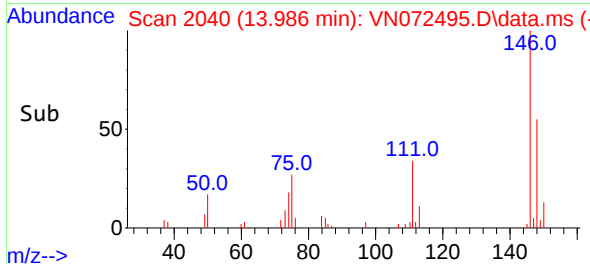
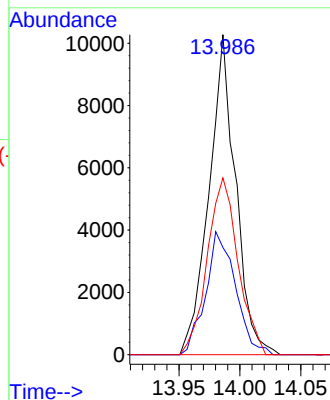
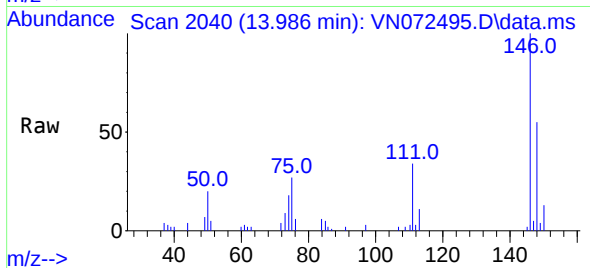
Ion	Ratio	Lower	Upper
146	100		
111	43.1	21.4	64.2
148	63.8	32.5	97.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/17/2022

Supervised By :Mahesh Dadoda 05/17/2022



#88

1,2-Dibromo-3-Chloropropane

Concen: 5.747 ug/l

RT: 14.604 min Scan# 2145

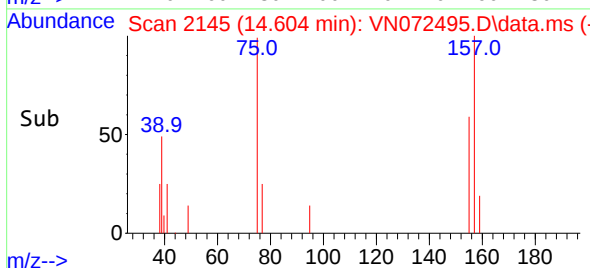
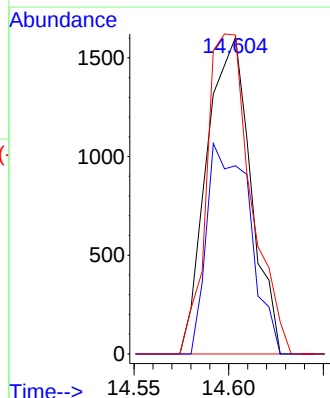
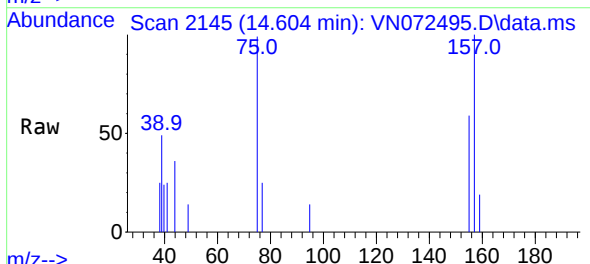
Delta R.T. 0.006 min

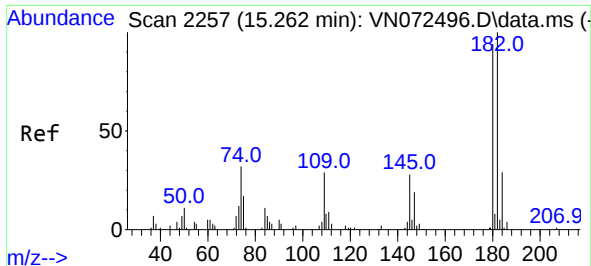
Lab File: VN072495.D

Acq: 16 May 2022 12:16

Tgt Ion: 75 Resp: 2587

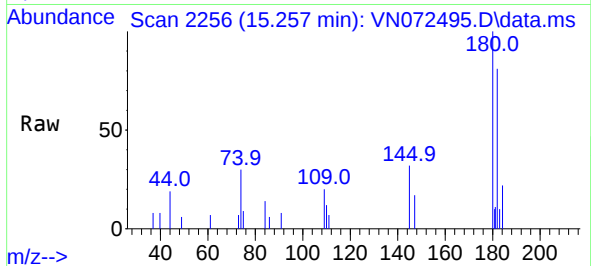
Ion	Ratio	Lower	Upper
75	100		
155	32.2	63.8	95.8
157	102.0	77.9	116.9





#89
1,2,4-Trichlorobenzene
Concen: 4.237 ug/l
RT: 15.257 min Scan# 21
Delta R.T. -0.006 min
Lab File: VN072495.D
Acq: 16 May 2022 12:16

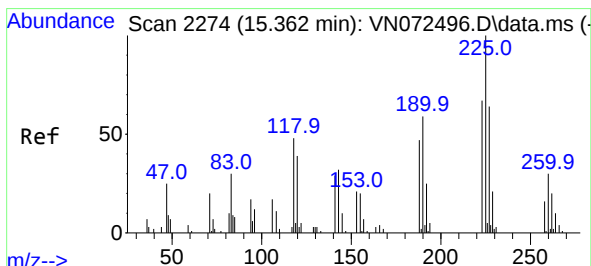
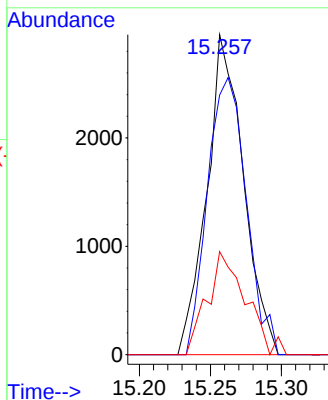
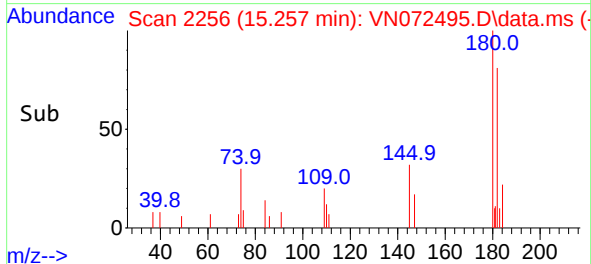
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005



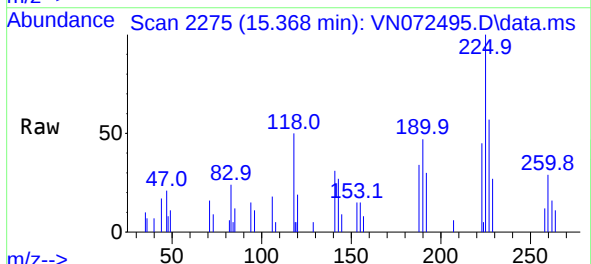
Tgt Ion:180 Resp: 5290
Ion Ratio Lower Upper
180 100
182 92.1 77.7 116.5
145 32.7 26.6 39.8

Manual Integrations
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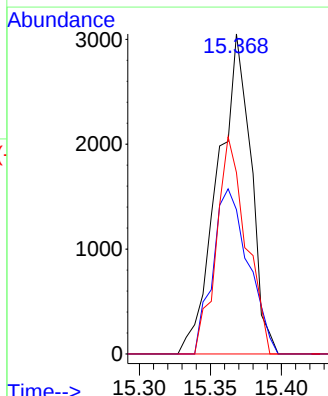
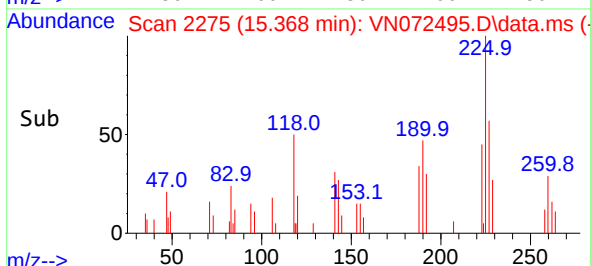
Reviewed By :John Carlone 05/17/2022
Supervised By :Mahesh Dadoda 05/17/2022

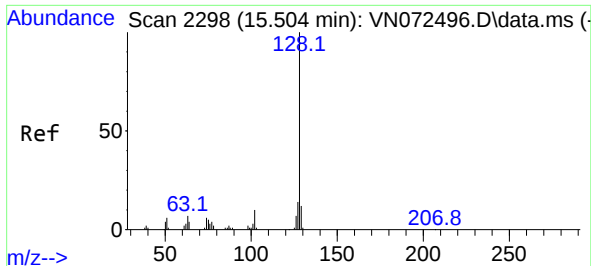


#90
Hexachlorobutadiene
Concen: 6.388 ug/l
RT: 15.368 min Scan# 2275
Delta R.T. 0.006 min
Lab File: VN072495.D
Acq: 16 May 2022 12:16



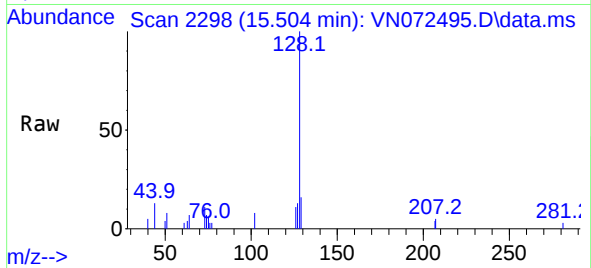
Tgt Ion:225 Resp: 4963
Ion Ratio Lower Upper
225 100
223 55.3 0.0 126.8
227 60.8 0.0 123.0





#91
Naphthalene
Concen: 3.291 ug/l
RT: 15.504 min Scan# 2298
Delta R.T. -0.000 min
Lab File: VN072495.D
Acq: 16 May 2022 12:16

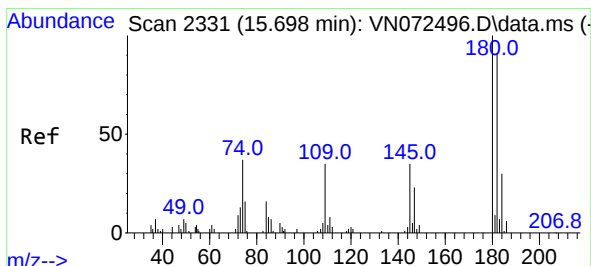
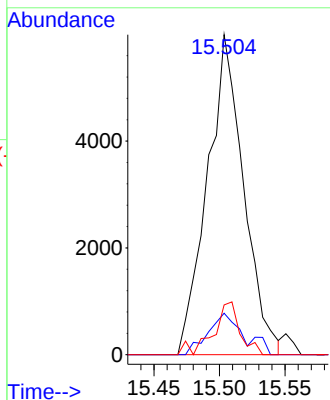
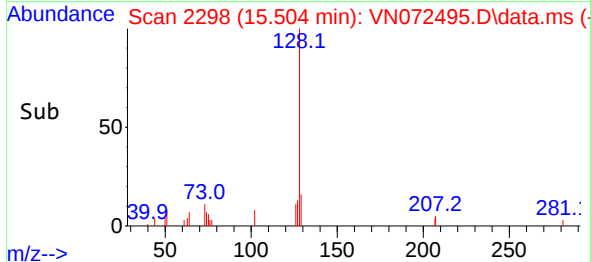
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005



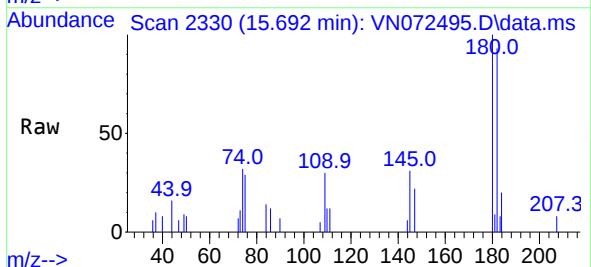
Tgt Ion:128 Resp: 1155
Ion Ratio Lower Upper
128 100
127 10.7 10.7 16.1
129 9.4 9.0 13.6

Manual Integrations
APPROVED

Reviewed By :John Carlone 05/17/2022
Supervised By :Mahesh Dadoda 05/17/2022



#92
1,2,3-Trichlorobenzene
Concen: 4.428 ug/l
RT: 15.692 min Scan# 2330
Delta R.T. -0.006 min
Lab File: VN072495.D
Acq: 16 May 2022 12:16



Tgt Ion:180 Resp: 5528
Ion Ratio Lower Upper
180 100
182 94.2 0.0 190.0
145 35.4 0.0 67.8

