

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112321\
 Data File : VN069631.D
 Acq On : 23 Nov 2021 17:21
 Operator : JC/MD
 Sample : VSTDCCC020
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 11/24/2021
 Supervised By : Mahesh Dadoda 11/26/2021

Quant Time: Nov 24 02:27:20 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N111021W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Nov 10 14:36:17 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	7.657	128	180025	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	8.968	114	1035786	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.744	117	939495	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.437	65	494595	31.678	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	= 105.600%	
60) 4-Bromofluorobenzene	12.731	95	450430	29.960	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	= 99.867%	
63) Toluene-d8	10.440	98	1333233	30.734	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	= 102.433%	
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.073	85	287471	21.610	ug/l	99
3) Chloromethane	2.306	50	303029	21.848	ug/l	97
4) Vinyl Chloride	2.448	62	296776	21.102	ug/l	98
5) Bromomethane	2.867	94	170839	18.967	ug/l	96
6) Chloroethane	3.025	64	176995	19.947	ug/l	96
7) Trichlorofluoromethane	3.379	101	395197	19.172	ug/l	100
8) Diethyl Ether	3.824	74	140483	21.590	ug/l	79
9) 1,1,2-Trichlorotrifluo...	4.213	101	224522m	23.538	ug/l	
10) 1,1-Dichloroethene	4.183	96	192910	21.443	ug/l	87
11) Methyl Iodide	4.417	142	275310	21.964	ug/l	94
12) Methyl Acetate	4.859	43	544693m	21.023	ug/l	
13) Acrolein	4.041	56	76280	107.082	ug/l	98
14) Acrylonitrile	5.557	53	699490	98.957	ug/l	98
15) Acetone	4.288	58	202262	85.873	ug/l	70
16) Carbon Disulfide	4.529	76	458371	20.383	ug/l	98
17) Allyl chloride	4.840	41	400267	20.933	ug/l	90
18) Methylene Chloride	5.098	84	245145	21.389	ug/l	89
19) trans-1,2-Dichloroethene	5.594	96	208060	21.075	ug/l	85
20) Diisopropyl ether	6.498	45	874781	21.351	ug/l #	93
21) 1,1-Dichloroethane	6.385	63	448824	21.593	ug/l	99
22) cis-1,2-Dichloroethene	7.327	96	255760	20.888	ug/l	91
23) tert-Butyl Alcohol	5.371	59	209737	85.257	ug/l #	100
24) Methyl tert-Butyl Ether	5.618	73	755847m	20.964	ug/l	
25) Chloroform	7.817	83	494359	23.002	ug/l	98
26) Cyclohexane	8.096	56	421478	21.357	ug/l #	87
29) 1,1-Dichloropropene	8.222	75	339044	21.443	ug/l	95
30) 2-Butanone	7.337	43	1053156	92.022	ug/l	93
31) 2,2-Dichloropropane	7.324	77	330683	19.783	ug/l	97
32) 1,1,1-Trichloroethane	8.016	97	380540	20.616	ug/l	94
33) Carbon Tetrachloride	8.206	117	314510	20.630	ug/l	96
34) Benzene	8.461	78	1004064	20.882	ug/l #	95
35) Methacrylonitrile	7.638	41	203932	19.428	ug/l	91
36) 1,2-Dichloroethane	8.531	62	396207	21.374	ug/l	98
37) Trichloroethene	9.215	130	240603	20.713	ug/l	92
38) Methylcyclohexane	9.461	83	405487	20.729	ug/l	90
39) 1,2-Dichloropropane	9.488	63	269561	21.168	ug/l	99
40) Dibromomethane	9.577	93	175677	20.598	ug/l	96
41) Bromodichloromethane	9.762	83	326672	20.407	ug/l	96
42) Vinyl Acetate	6.434	43	3313733	102.457	ug/l #	94

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	7.412	43	407961	19.235	ug/l	99
44) Isopropyl Acetate	8.560	43	646808	19.561	ug/l	97
45) 1,4-Dioxane	9.569	88	90844	338.447	ug/l #	87
46) Methyl methacrylate	9.561	41	296421	19.465	ug/l	83
47) n-amyl Acetate	12.387	43	398332	15.688	ug/l	99
48) t-1,3-Dichloropropene	10.719	75	316799	18.440	ug/l	100
49) cis-1,3-Dichloropropene	10.188	75	372757	19.940	ug/l	93
50) 1,1,2-Trichloroethane	10.899	97	244237	20.166	ug/l	98
51) Ethyl methacrylate	10.762	69	379402	18.685	ug/l	89
52) 1,3-Dichloropropane	11.044	76	431583	20.630	ug/l	99
53) Dibromochloromethane	11.237	129	227902	19.692	ug/l	97
54) 1,2-Dibromoethane	11.347	107	245582	19.579	ug/l	96
55) 2-Chloroethyl vinyl ether	10.041	63	461557	99.931	ug/l	96
56) Bromoform	12.457	173	148510	17.895	ug/l #	100
58) 4-Methyl-2-Pentanone	10.330	43	2105746	102.108	ug/l #	94
59) 2-Hexanone	11.084	43	1440436	91.824	ug/l	94
61) Tetrachloroethene	10.977	164	228326	22.643	ug/l	94
62) Toluene	10.505	91	1103015	21.365	ug/l	99
64) Chlorobenzene	11.771	112	639457	20.645	ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.840	131	228065	20.914	ug/l	100
66) Ethyl Benzene	11.843	91	1200252	21.004	ug/l	99
67) m/p-Xylenes	11.953	106	887311	41.806	ug/l	95
68) o-Xylene	12.280	106	432849	20.368	ug/l	94
69) Styrene	12.294	104	689528	20.013	ug/l	97
70) Isopropylbenzene	12.578	105	1129474	20.322	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.827	83	374200	20.404	ug/l	97
72) 1,2,3-Trichloropropane	12.881	75	293766m	16.443	ug/l	
73) Bromobenzene	12.862	156	259116	20.225	ug/l	93
74) n-propylbenzene	12.921	91	1289319	20.200	ug/l	99
75) 2-Chlorotoluene	13.007	91	793042	20.410	ug/l	97
76) 1,3,5-Trimethylbenzene	13.058	105	934052	20.476	ug/l	99
77) t-1,4-Dichloro-2-butene	12.626	75	73754	15.294	ug/l	75
78) 4-Chlorotoluene	13.104	91	747145	20.079	ug/l	95
79) tert-butylbenzene	13.324	119	807284	20.118	ug/l	98
80) 1,2,4-Trimethylbenzene	13.366	105	897645m	20.172	ug/l	
81) sec-Butylbenzene	13.501	105	1121600	19.977	ug/l	99
82) p-Isopropyltoluene	13.616	119	896603	20.015	ug/l	99
83) 1,3-Dichlorobenzene	13.616	146	440751	20.122	ug/l	99
84) 1,4-Dichlorobenzene	13.694	146	415522	19.554	ug/l	98
85) n-Butylbenzene	13.943	91	685422	18.333	ug/l	99
86) Hexachloroethane	14.209	117	142640	19.239	ug/l	92
87) 1,2-Dichlorobenzene	13.989	146	423631	20.039	ug/l	99
88) 1,2-Dibromo-3-Chloropr...	14.603	75	56590	17.627	ug/l	94
89) 1,2,4-Trichlorobenzene	15.263	180	164342	16.213	ug/l	99
90) Hexachlorobutadiene	15.370	225	128888	23.514	ug/l	99
91) Naphthalene	15.507	128	361764	12.389	ug/l	99
92) 1,2,3-Trichlorobenzene	15.702	180	159545	16.011	ug/l	100

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

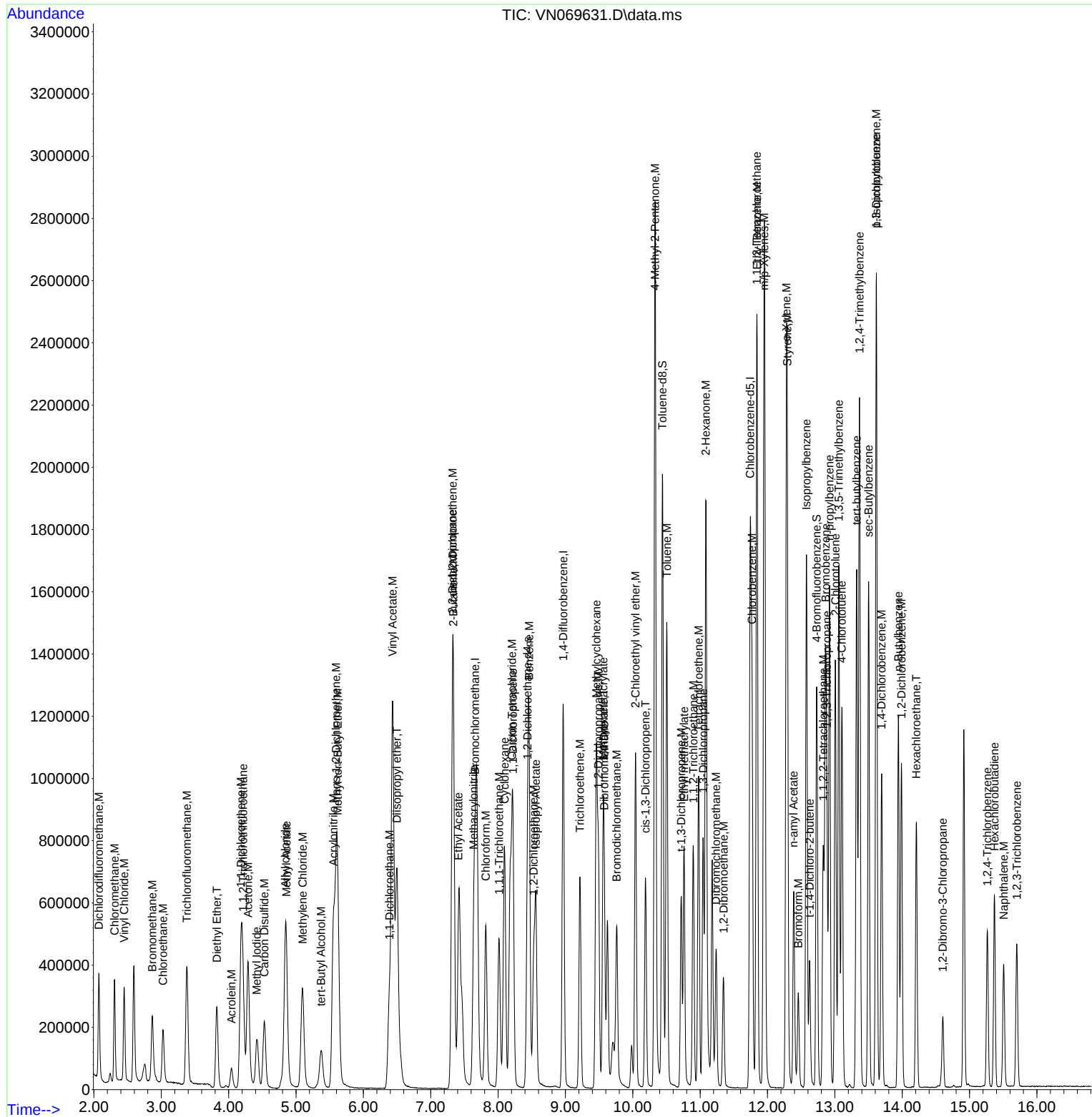
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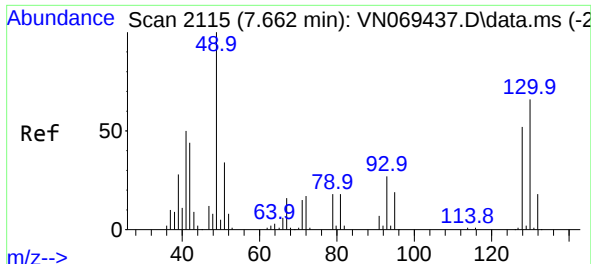
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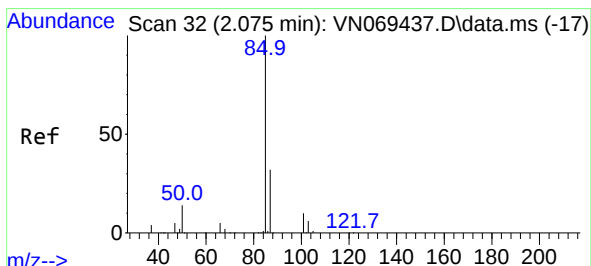
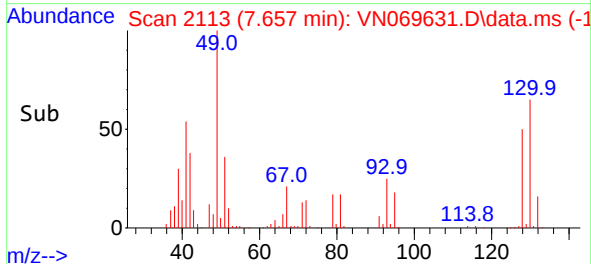
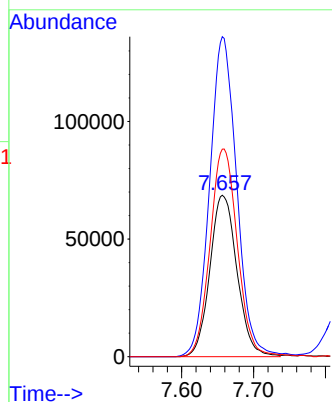
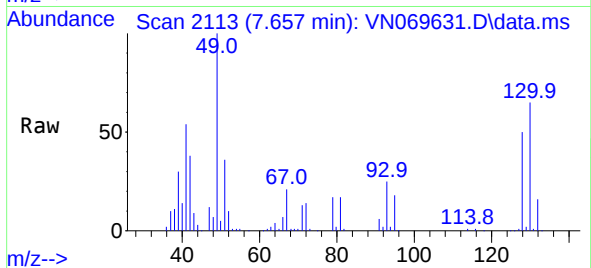
#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.657 min Scan# 21
Delta R.T. -0.005 min
Lab File: VN069631.D
Acq: 23 Nov 2021 17:21

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tgt Ion:128 Resp: 180025
Ion Ratio Lower Upper
128 100
49 197.1 0.0 392.3
130 129.8 0.0 320.2

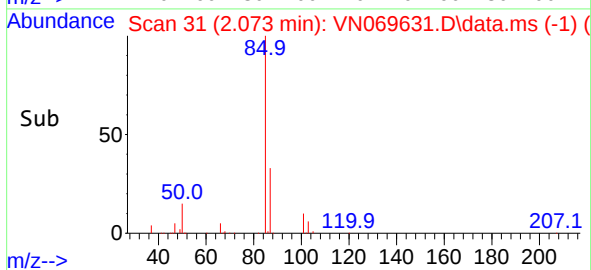
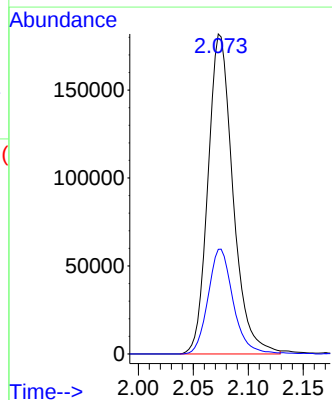
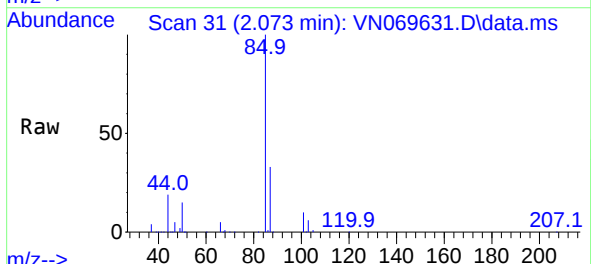
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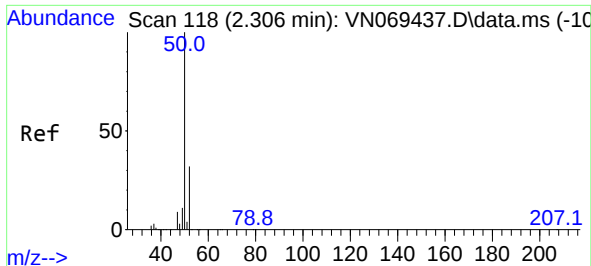
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#2
Dichlorodifluoromethane
Concen: 21.610 ug/l
RT: 2.073 min Scan# 31
Delta R.T. -0.003 min
Lab File: VN069631.D
Acq: 23 Nov 2021 17:21

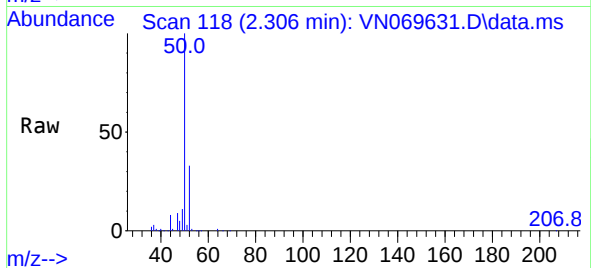
Tgt Ion: 85 Resp: 287471
Ion Ratio Lower Upper
85 100
87 32.7 16.6 49.7





#3
Chloromethane
Concen: 21.848 ug/l
RT: 2.306 min Scan# 118
Delta R.T. 0.003 min
Lab File: VN069631.D
Acq: 23 Nov 2021 17:21

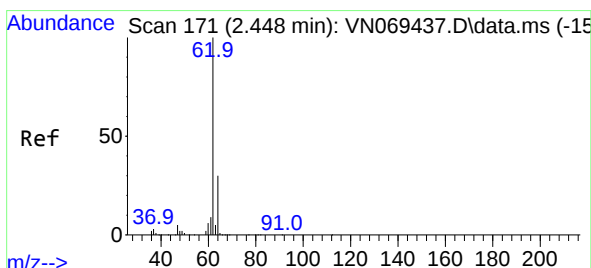
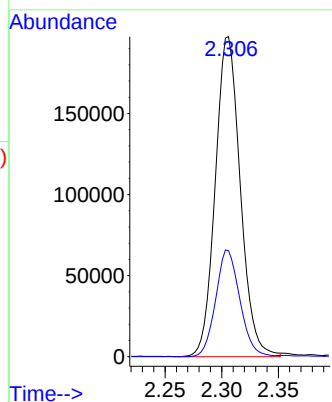
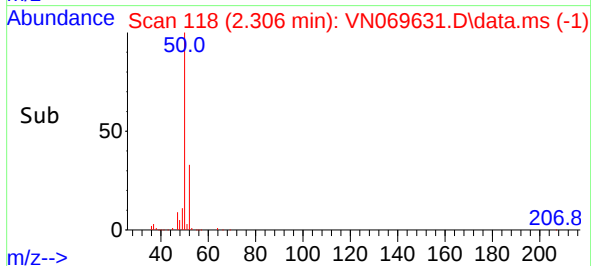
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VSTDCCC020EC



Tgt Ion: 50 Resp: 303029
Ion Ratio Lower Upper
50 100
52 33.2 27.8 41.6

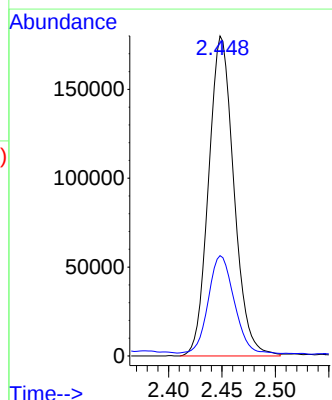
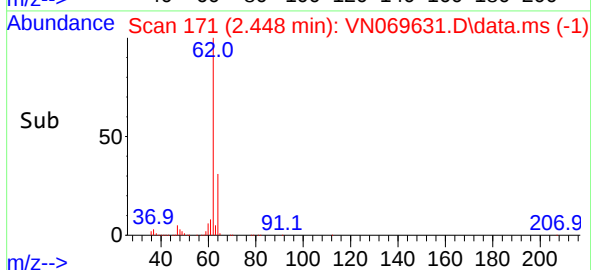
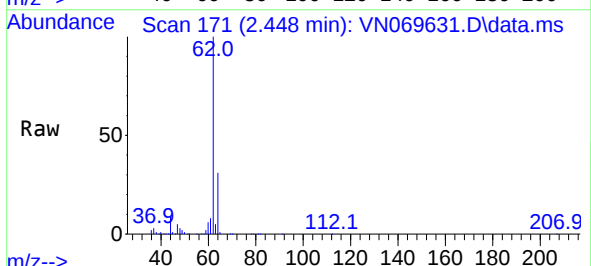
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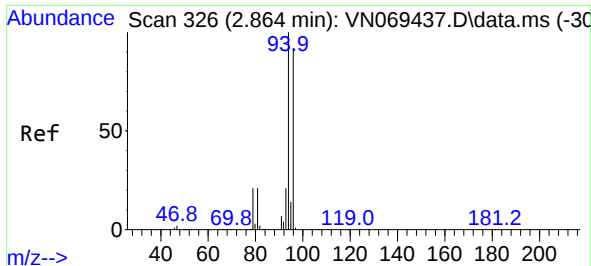
Reviewed By :John Carlone 11/24/2021
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#4
Vinyl Chloride
Concen: 21.102 ug/l
RT: 2.448 min Scan# 171
Delta R.T. 0.003 min
Lab File: VN069631.D
Acq: 23 Nov 2021 17:21

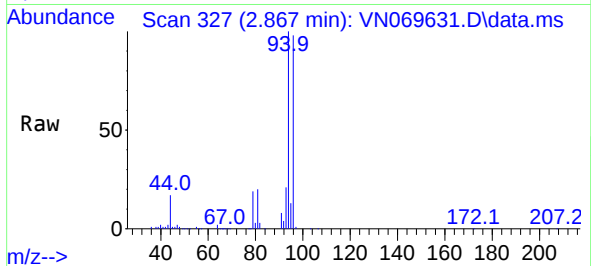
Tgt Ion: 62 Resp: 296776
Ion Ratio Lower Upper
62 100
64 30.6 25.1 37.7





#5
Bromomethane
Concen: 18.967 ug/l
RT: 2.867 min Scan# 31
Delta R.T. 0.003 min
Lab File: VN069631.D
Acq: 23 Nov 2021 17:21

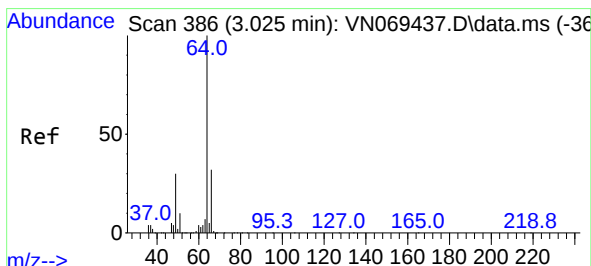
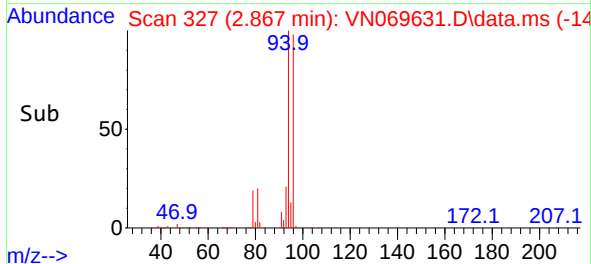
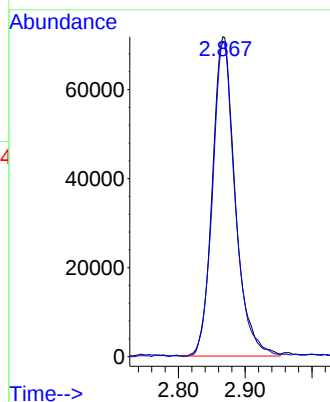
Instrument :
MSVOA_N
ClientSampleId :
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Tgt Ion: 94 Resp: 170839
Ion Ratio Lower Upper
94 100
96 98.3 75.2 112.8

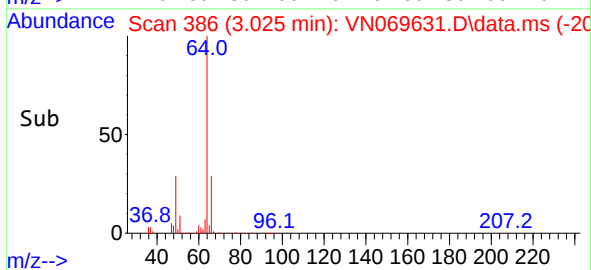
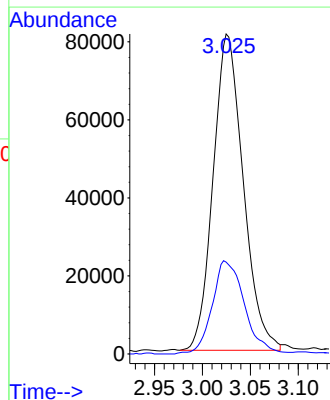
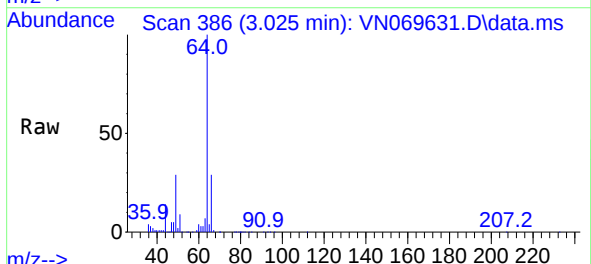
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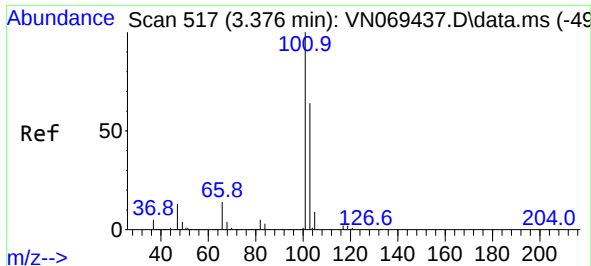
Reviewed By :John Carlone 11/24/2021
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#6
Chloroethane
Concen: 19.947 ug/l
RT: 3.025 min Scan# 386
Delta R.T. 0.000 min
Lab File: VN069631.D
Acq: 23 Nov 2021 17:21

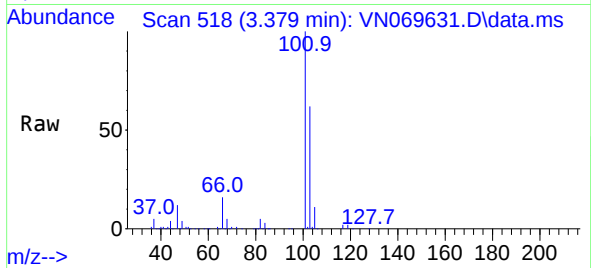
Tgt Ion: 64 Resp: 176995
Ion Ratio Lower Upper
64 100
66 28.6 24.6 36.8





#7
Trichlorofluoromethane
Concen: 19.172 ug/l
RT: 3.379 min Scan# 517
Delta R.T. 0.000 min
Lab File: VN069631.D
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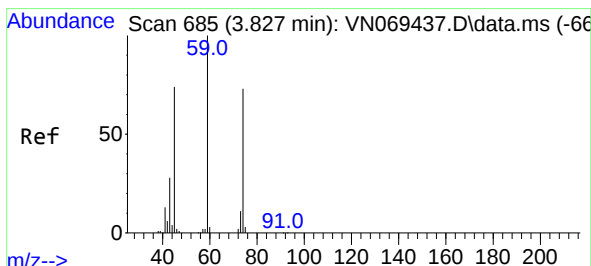
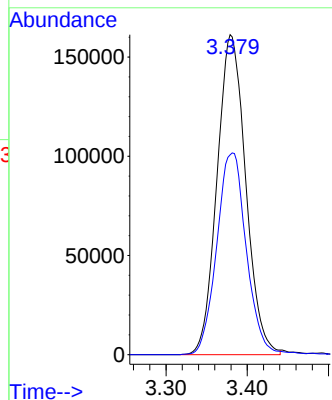
Instrument :
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Tgt Ion:101 Resp: 395197
Ion Ratio Lower Upper
101 100
103 62.5 50.1 75.1

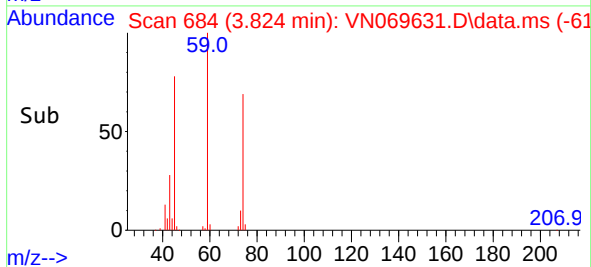
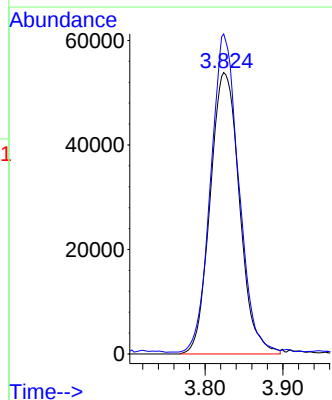
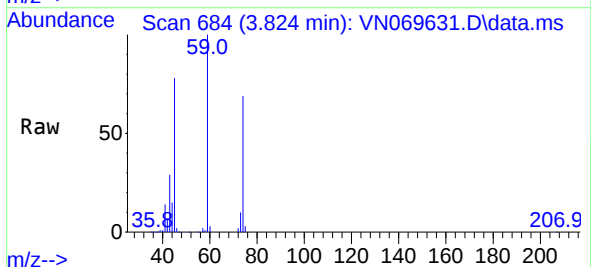
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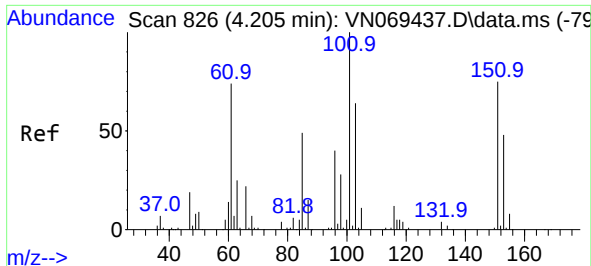
Reviewed By :John Carlone 11/24/2021
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#8
Diethyl Ether
Concen: 21.590 ug/l
RT: 3.824 min Scan# 684
Delta R.T. -0.005 min
Lab File: VN069631.D
Acq: 23 Nov 2021 17:21

Tgt Ion: 74 Resp: 140483
Ion Ratio Lower Upper
74 100
45 107.6 17.6 158.8





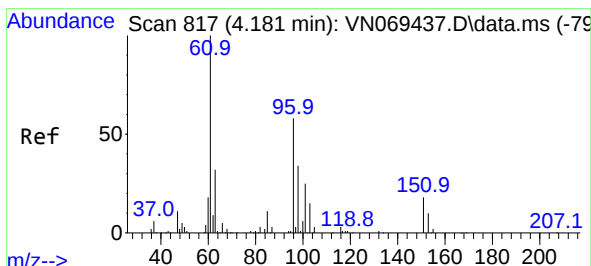
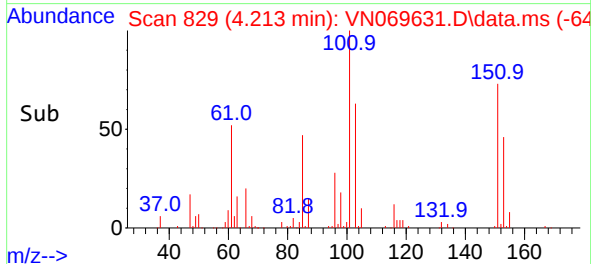
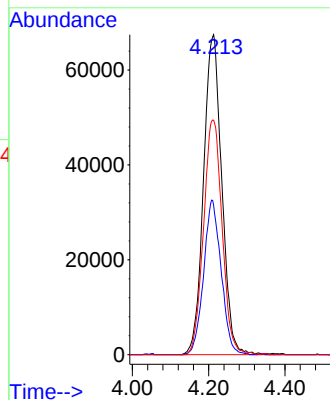
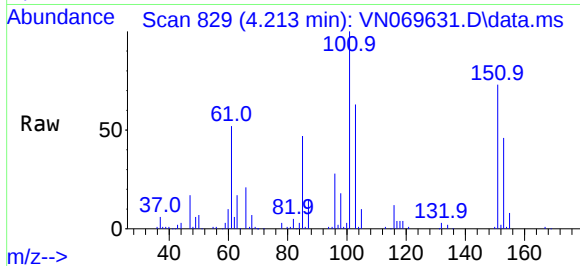
#9
1,1,2-Trichlorotrifluoroethane
Concen: 23.538 ug/l m
RT: 4.213 min Scan# 81
Delta R.T. -0.008 min
Lab File: VN069631.D
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Tgt Ion:101 Resp: 22452
Ion Ratio Lower Upper
101 100
85 0.0 0.0 94.0
151 0.0 0.0 74.6

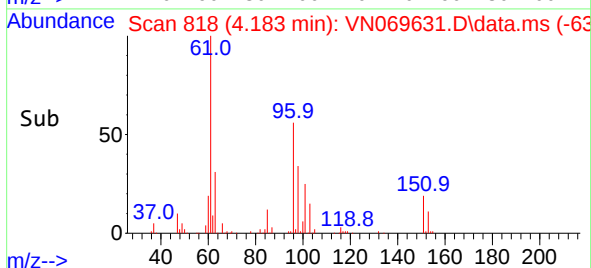
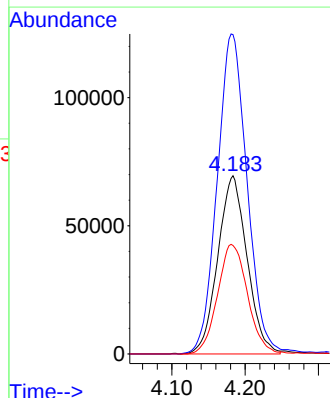
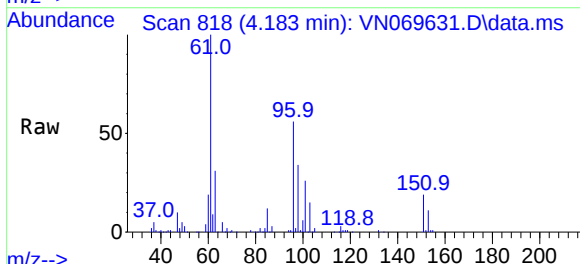
Manual Integrations
APPROVED

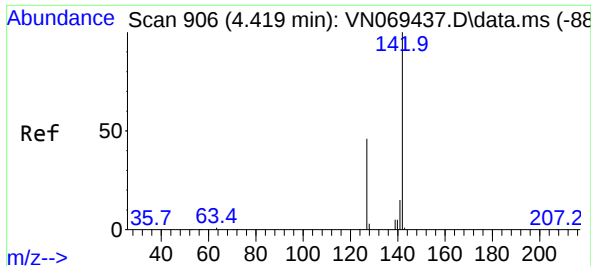
Reviewed By :John Carlone 11/24/2021
Supervised By :Mahesh Dadoda 11/26/2021



#10
1,1-Dichloroethene
Concen: 21.443 ug/l
RT: 4.183 min Scan# 818
Delta R.T. -0.008 min
Lab File: VN069631.D
Acq: 23 Nov 2021 17:21

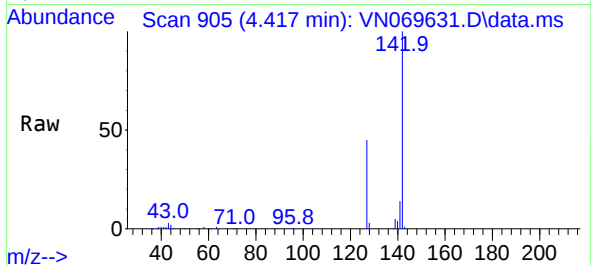
Tgt Ion: 96 Resp: 192910
Ion Ratio Lower Upper
96 100
61 179.2 126.2 189.4
98 60.8 50.9 76.3





#11
Methyl Iodide
Concen: 21.964 ug/l
RT: 4.417 min Scan# 906
Delta R.T. -0.013 min
Lab File: VN069631.D
Acq: 23 Nov 2021 17:21

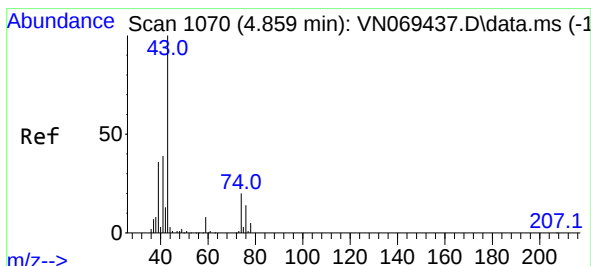
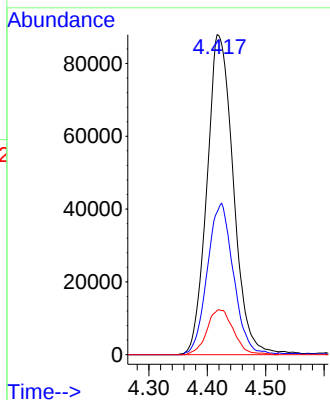
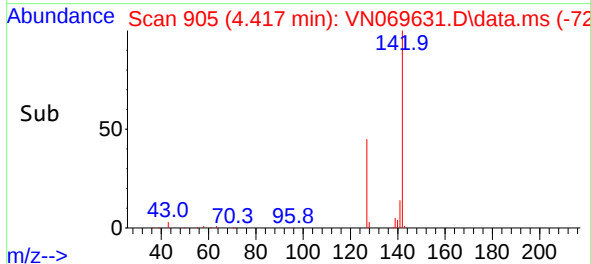
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



Tgt Ion:142 Resp: 275310
Ion Ratio Lower Upper
142 100
127 44.5 24.0 72.0
141 13.9 8.4 25.2

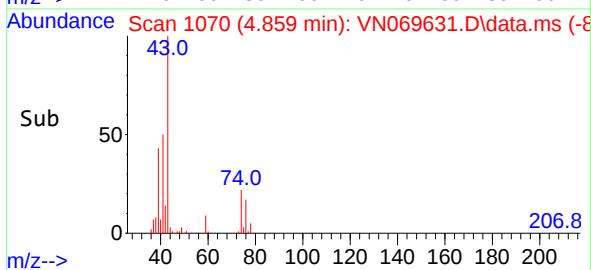
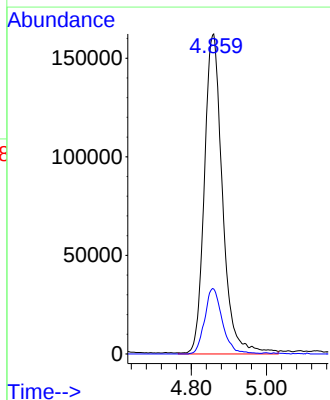
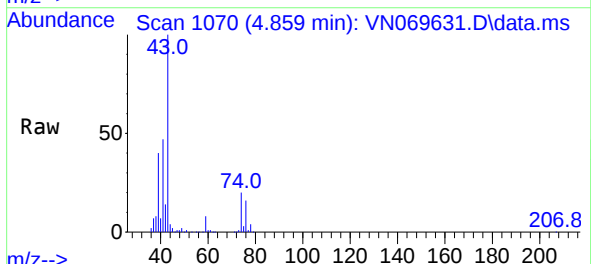
Manual Integrations
APPROVED

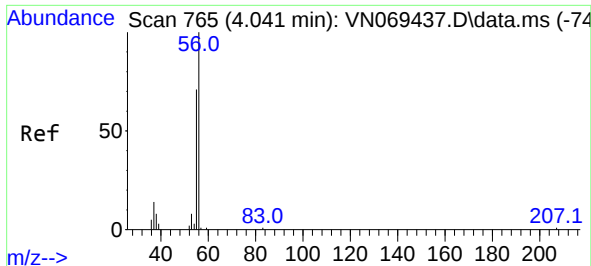
Reviewed By :John Carlone 11/24/2021
Supervised By :Mahesh Dadoda 11/26/2021



#12
Methyl Acetate
Concen: 21.023 ug/l m
RT: 4.859 min Scan# 1070
Delta R.T. 0.003 min
Lab File: VN069631.D
Acq: 23 Nov 2021 17:21

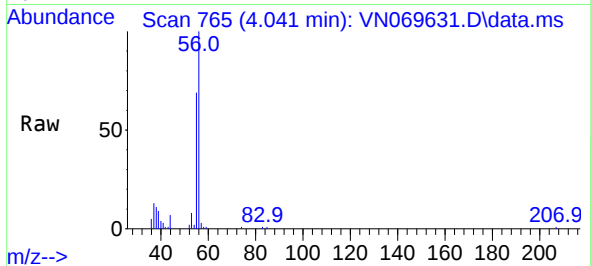
Tgt Ion: 43 Resp: 544693
Ion Ratio Lower Upper
43 100
74 20.3 20.8 31.2#





#13
Acrolein
Concen: 107.082 ug/l
RT: 4.041 min Scan# 765
Delta R.T. -0.005 min
Lab File: VN069631.D
Acq: 23 Nov 2021 17:21

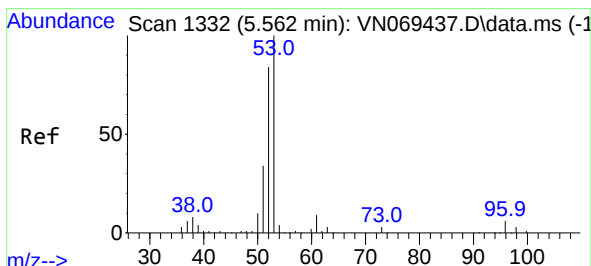
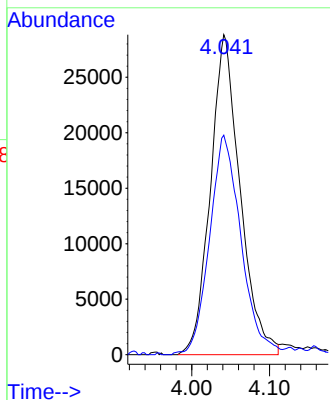
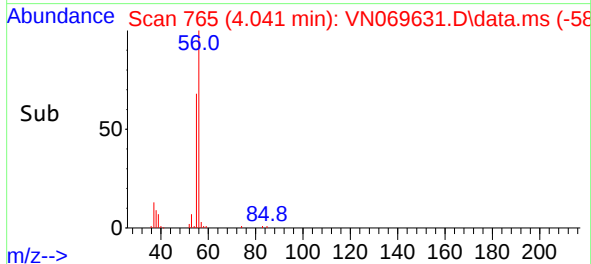
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



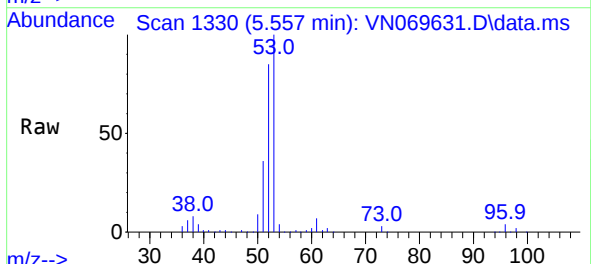
Tgt Ion: 56 Resp: 76280
Ion Ratio Lower Upper
56 100
55 70.4 57.6 86.4

Manual Integrations
APPROVED

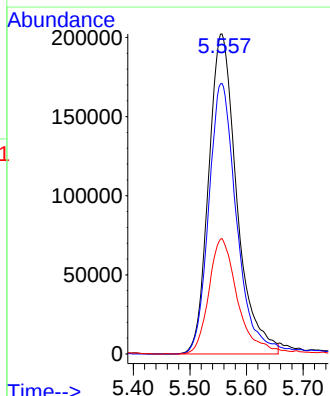
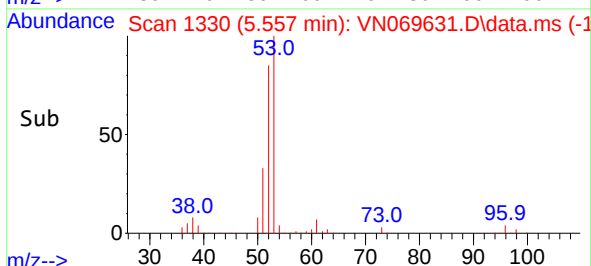
Reviewed By :John Carlone 11/24/2021
Supervised By :Mahesh Dadoda 11/26/2021

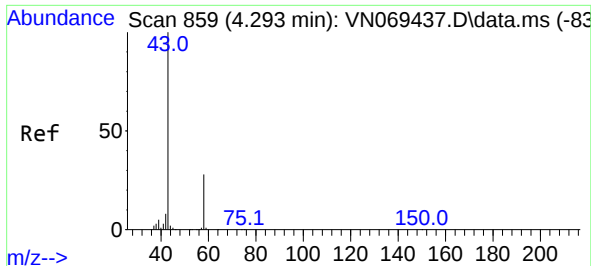


#14
Acrylonitrile
Concen: 98.957 ug/l
RT: 5.557 min Scan# 1330
Delta R.T. 0.000 min
Lab File: VN069631.D
Acq: 23 Nov 2021 17:21



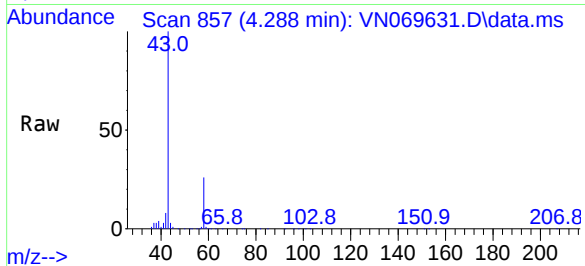
Tgt Ion: 53 Resp: 699490
Ion Ratio Lower Upper
53 100
52 82.6 41.8 125.4
51 36.0 19.0 57.0





#15
Acetone
Concen: 85.873 ug/l
RT: 4.288 min Scan# 857
Delta R.T. 0.000 min
Lab File: VN069631.D
Acq: 23 Nov 2021 17:21

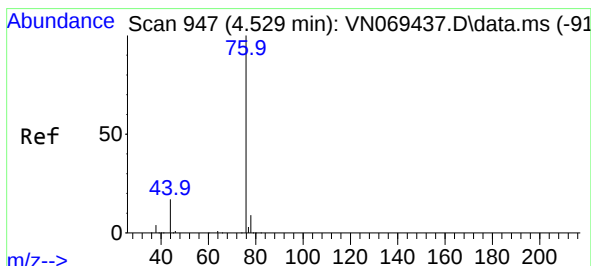
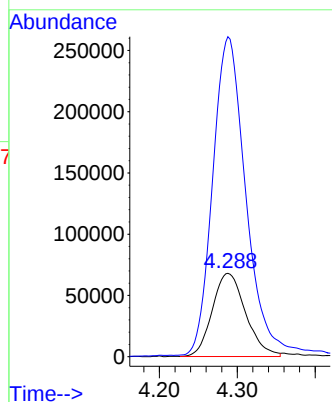
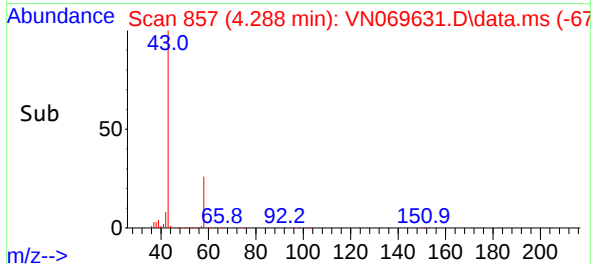
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



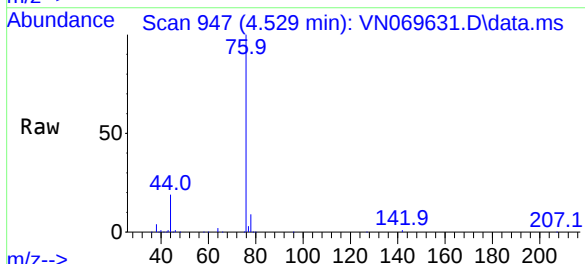
Tgt Ion: 58 Resp: 202262
Ion Ratio Lower Upper
58 100
43 382.5 256.6 384.8

Manual Integrations
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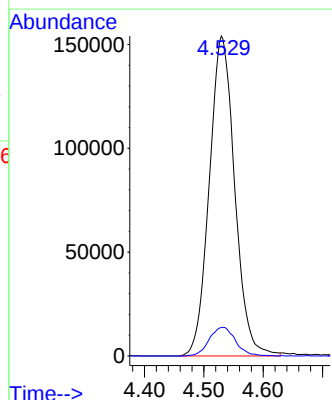
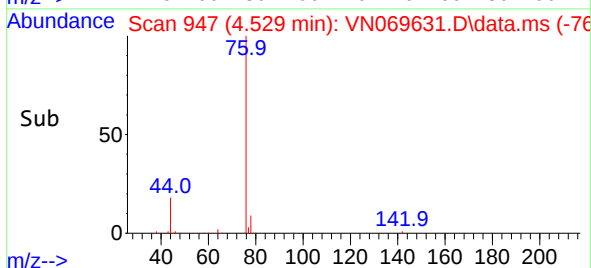
Reviewed By :John Carlone 11/24/2021
Supervised By :Mahesh Dadoda 11/26/2021

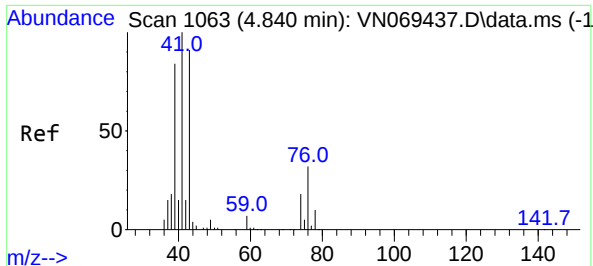


#16
Carbon Disulfide
Concen: 20.383 ug/l
RT: 4.529 min Scan# 947
Delta R.T. -0.008 min
Lab File: VN069631.D
Acq: 23 Nov 2021 17:21



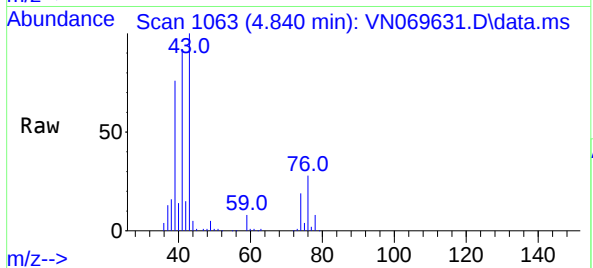
Tgt Ion: 76 Resp: 458371
Ion Ratio Lower Upper
76 100
78 8.9 7.8 11.8





#17
Allyl chloride
Concen: 20.933 ug/l
RT: 4.840 min Scan# 1063
Delta R.T. -0.005 min
Lab File: VN069631.D
Acq: 23 Nov 2021 17:21

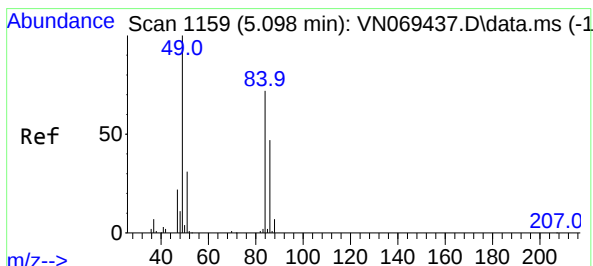
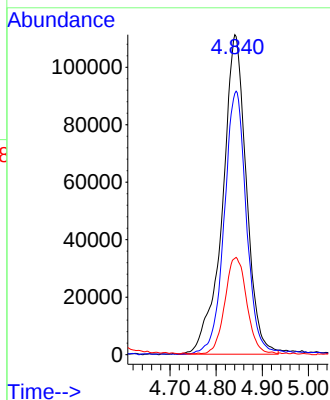
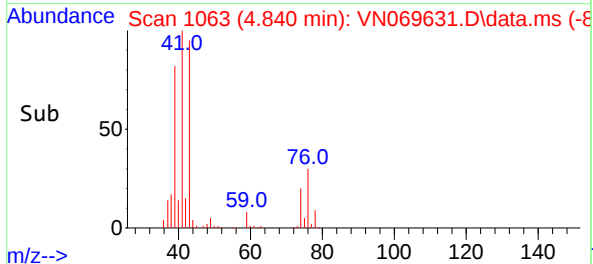
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



Tgt Ion: 41 Resp: 40026
Ion Ratio Lower Upper
41 100
39 81.6 44.6 134.0
76 29.8 19.6 58.7

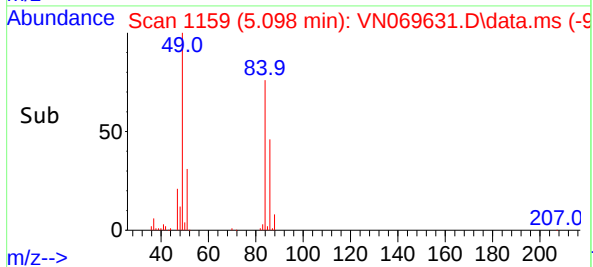
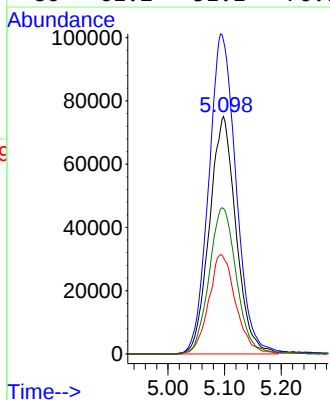
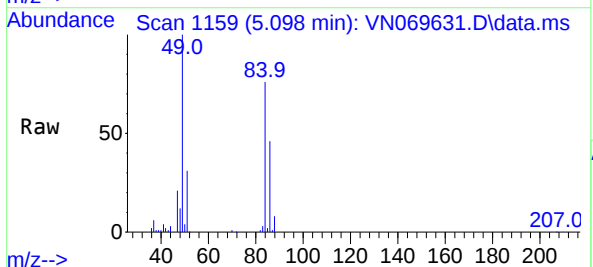
Manual Integrations
APPROVED

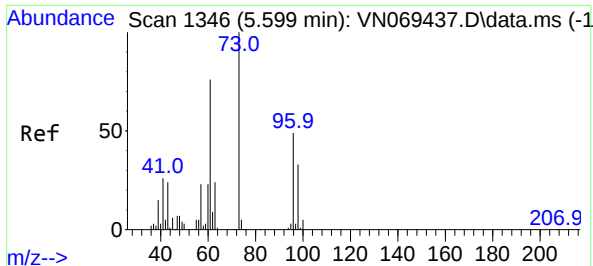
Reviewed By :John Carlone 11/24/2021
Supervised By :Mahesh Dadoda 11/26/2021



#18
Methylene Chloride
Concen: 21.389 ug/l
RT: 5.098 min Scan# 1159
Delta R.T. -0.003 min
Lab File: VN069631.D
Acq: 23 Nov 2021 17:21

Tgt Ion: 84 Resp: 245145
Ion Ratio Lower Upper
84 100
49 131.8 91.4 137.0
51 40.6 29.4 44.0
86 61.2 51.1 76.7





#19

trans-1,2-Dichloroethene

Concen: 21.075 ug/l

RT: 5.594 min Scan# 11

Delta R.T. -0.011 min

Lab File: VN069631.D

Acq: 23 Nov 2021 17:21

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tgt Ion: 96 Resp: 208060

Ion Ratio Lower Upper

96 100

61 153.2 102.8 154.2

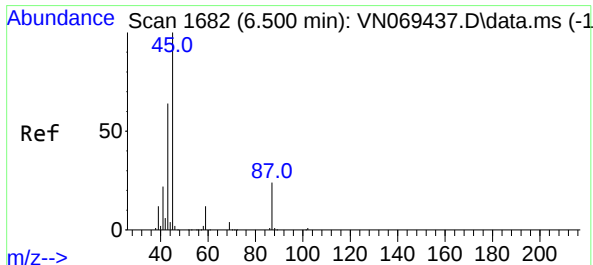
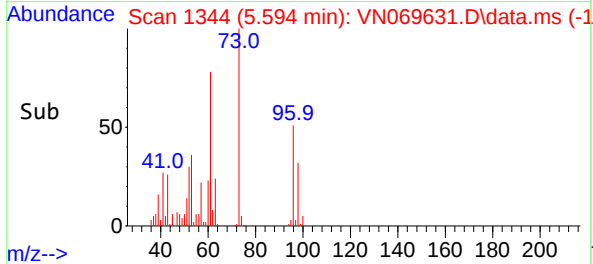
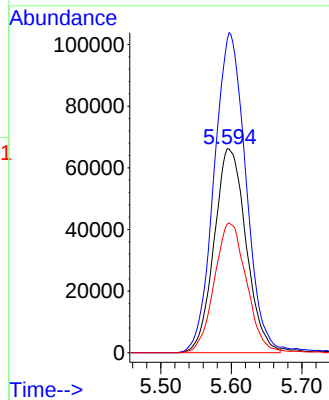
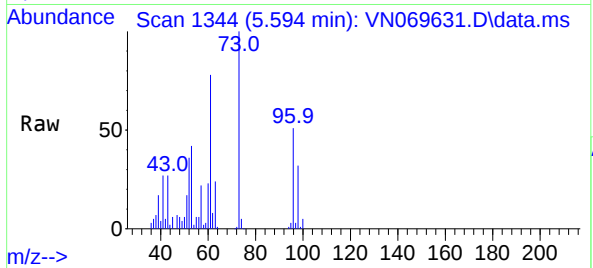
98 63.1 49.3 73.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/24/2021

Supervised By :Mahesh Dadoda 11/26/2021



#20

Diisopropyl ether

Concen: 21.351 ug/l

RT: 6.498 min Scan# 1681

Delta R.T. 0.000 min

Lab File: VN069631.D

Acq: 23 Nov 2021 17:21

Tgt Ion: 45 Resp: 874781

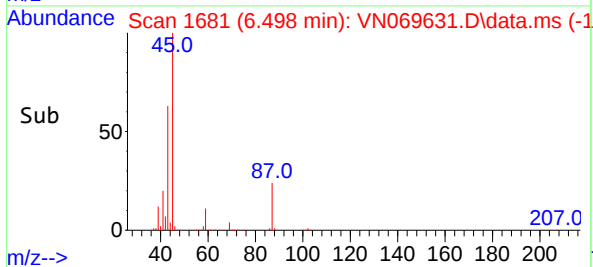
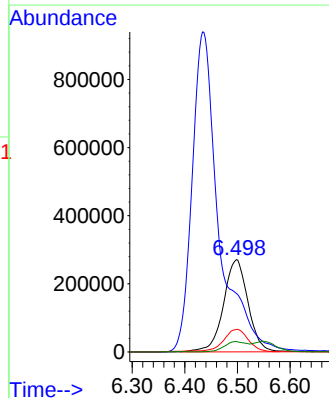
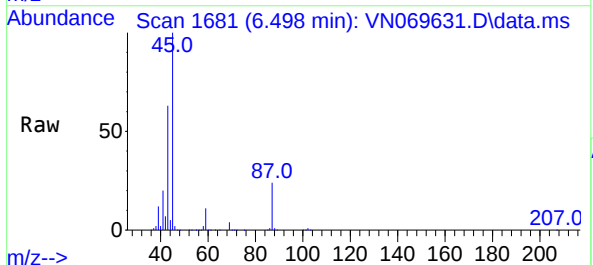
Ion Ratio Lower Upper

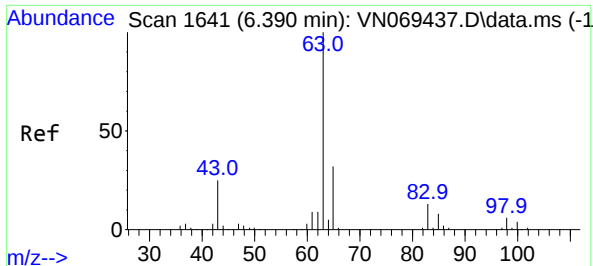
45 100

43 59.4 51.0 76.4

87 24.1 25.0 37.4#

59 11.0 8.7 13.1





#21

1,1-Dichloroethane

Concen: 21.593 ug/l

RT: 6.385 min Scan# 1

Delta R.T. -0.008 min

Lab File: VN069631.D

Acq: 23 Nov 2021 17:21

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tgt Ion: 63 Resp: 448824

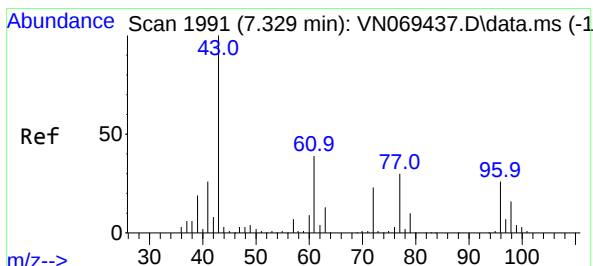
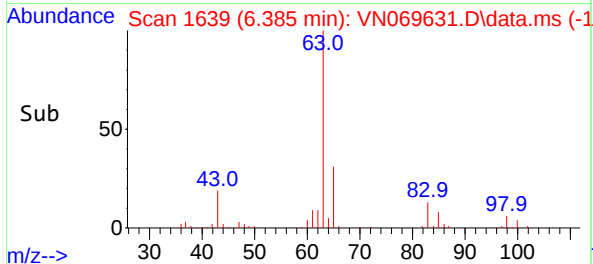
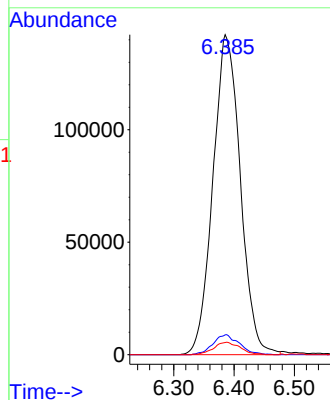
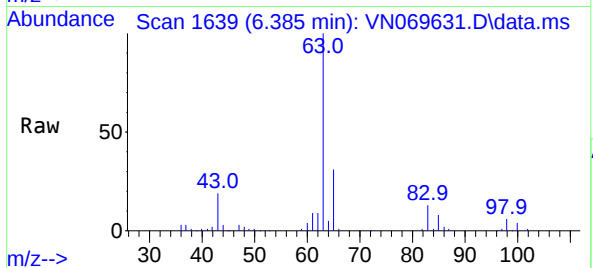
Ion	Ratio	Lower	Upper
63	100		
98	6.2	3.2	9.6
100	3.8	2.1	6.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/24/2021

Supervised By :Mahesh Dadoda 11/26/2021



#22

cis-1,2-Dichloroethene

Concen: 20.888 ug/l

RT: 7.327 min Scan# 1990

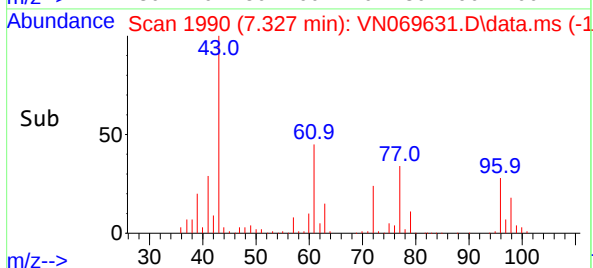
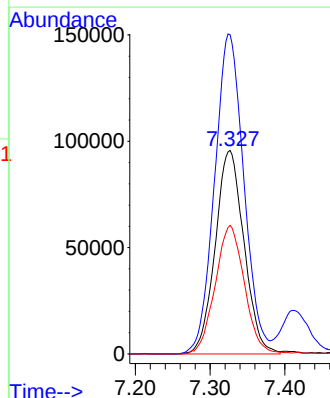
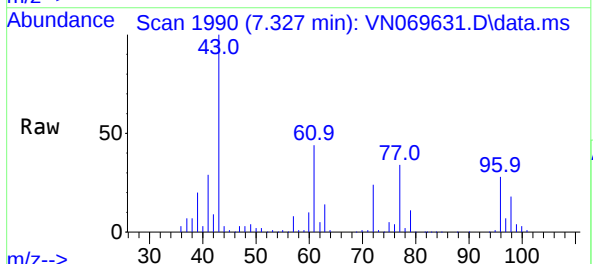
Delta R.T. -0.003 min

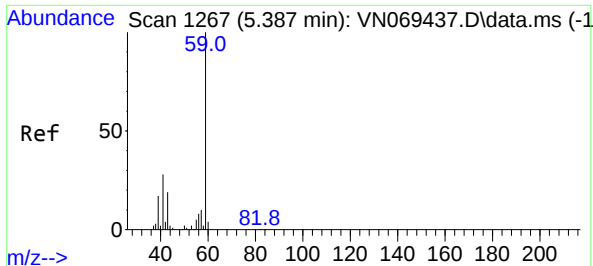
Lab File: VN069631.D

Acq: 23 Nov 2021 17:21

Tgt Ion: 96 Resp: 255760

Ion	Ratio	Lower	Upper
96	100		
61	160.0	115.7	173.5
98	64.1	51.6	77.4





#23

tert-Butyl Alcohol

Concen: 85.257 ug/l

RT: 5.371 min Scan# 1261

Delta R.T. 0.005 min

Lab File: VN069631.D

Acq: 23 Nov 2021 17:21

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tgt Ion: 59 Resp: 20973

Ion Ratio Lower Upper

59 100

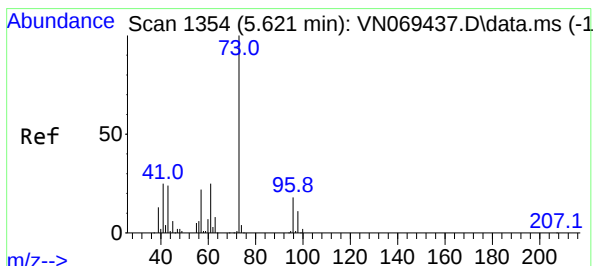
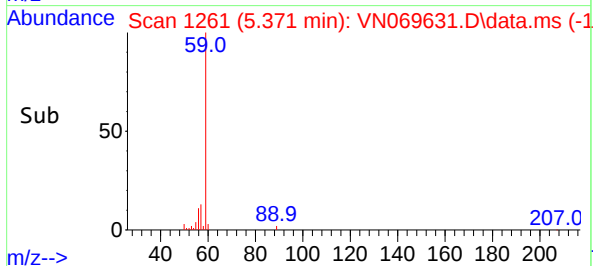
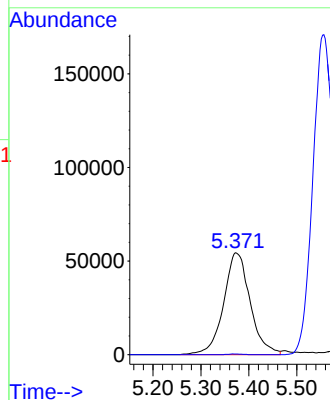
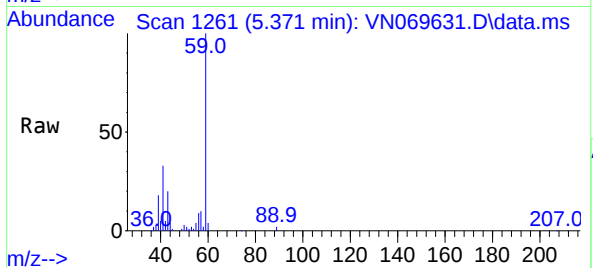
52 0.0 0.0 0.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/24/2021

Supervised By :Mahesh Dadoda 11/26/2021



#24

Methyl tert-Butyl Ether

Concen: 20.964 ug/l m

RT: 5.618 min Scan# 1353

Delta R.T. -0.003 min

Lab File: VN069631.D

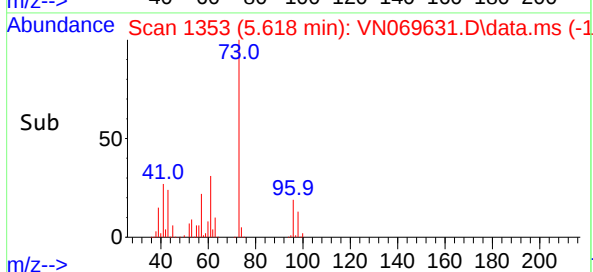
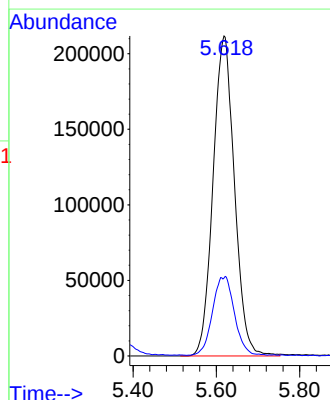
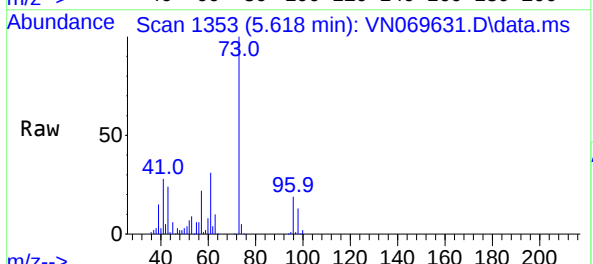
Acq: 23 Nov 2021 17:21

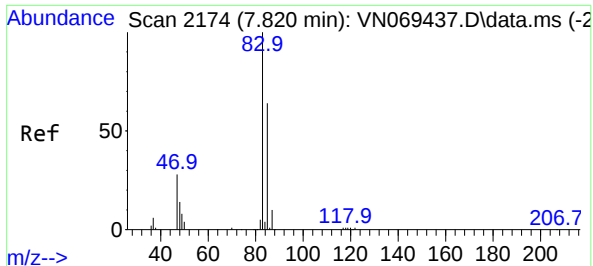
Tgt Ion: 73 Resp: 755847

Ion Ratio Lower Upper

73 100

43 0.0 18.1 27.1





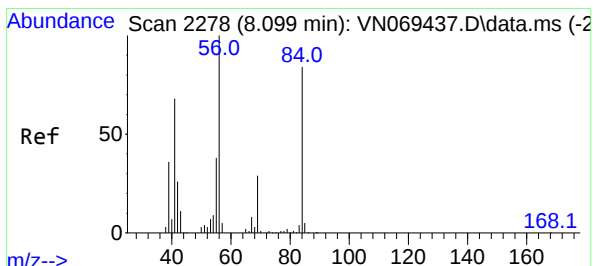
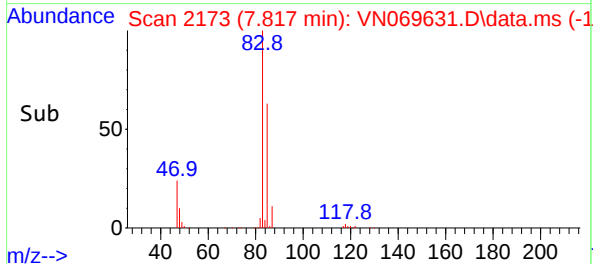
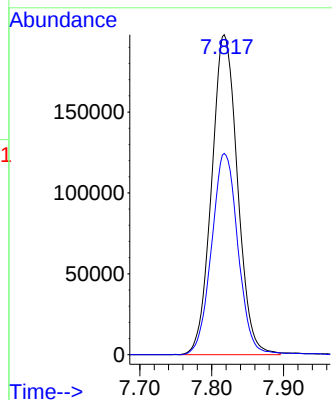
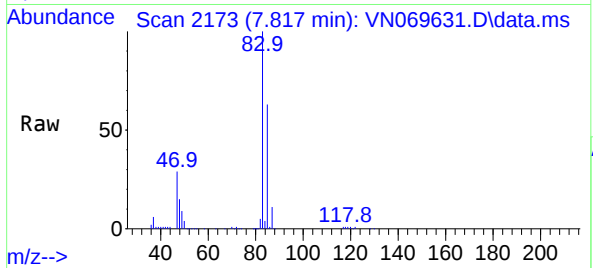
#25
Chloroform
Concen: 23.002 ug/l
RT: 7.817 min Scan# 2173
Delta R.T. -0.003 min
Lab File: VN069631.D
Acq: 23 Nov 2021 17:21

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tgt Ion: 83 Resp: 494359
Ion Ratio Lower Upper
83 100
85 62.9 51.3 76.9

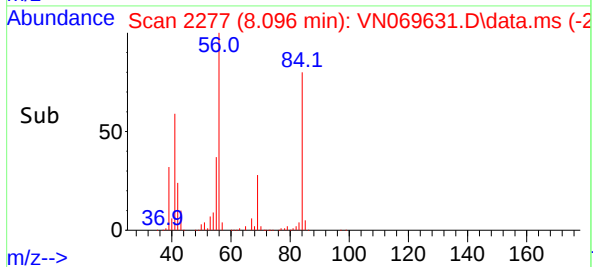
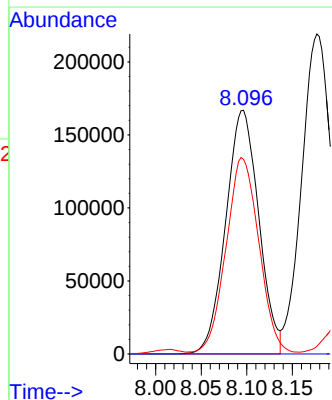
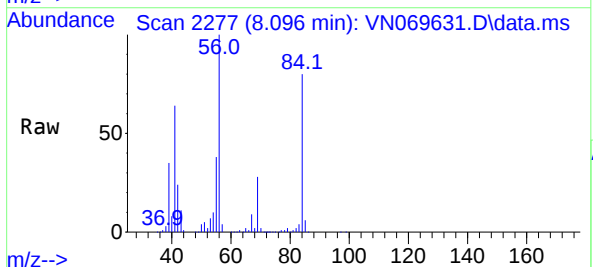
Manual Integrations
APPROVED

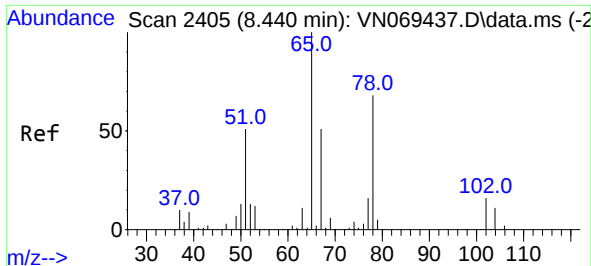
Reviewed By :John Carlone 11/24/2021
Supervised By :Mahesh Dadoda 11/26/2021



#26
Cyclohexane
Concen: 21.357 ug/l
RT: 8.096 min Scan# 2277
Delta R.T. -0.003 min
Lab File: VN069631.D
Acq: 23 Nov 2021 17:21

Tgt Ion: 56 Resp: 421478
Ion Ratio Lower Upper
56 100
89 0.0 0.1 0.1#
84 80.7 74.6 111.8





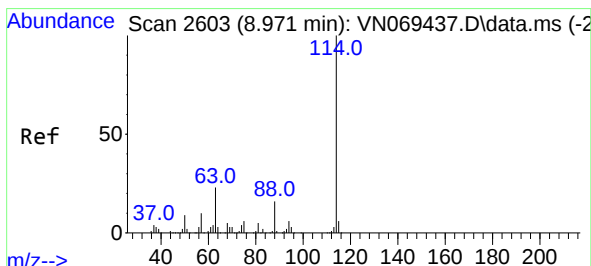
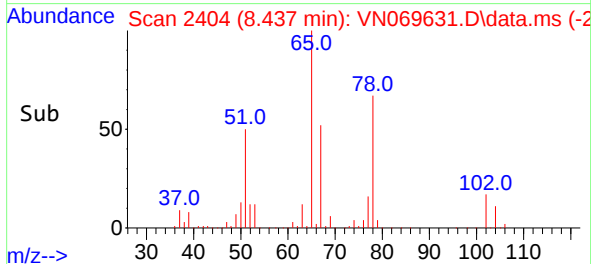
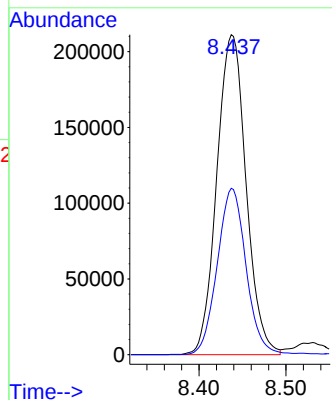
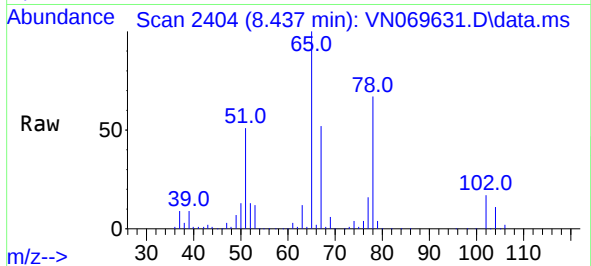
#27
1,2-Dichloroethane-d4
Concen: 31.678 ug/l
RT: 8.437 min Scan# 2405
Delta R.T. -0.003 min
Lab File: VN069631.D
Acq: 23 Nov 2021 17:21

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tgt Ion: 65 Resp: 494595
Ion Ratio Lower Upper
65 100
67 50.9 40.2 60.2

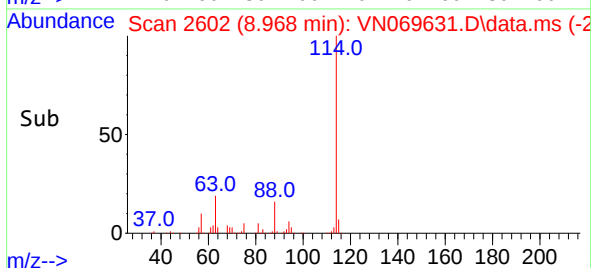
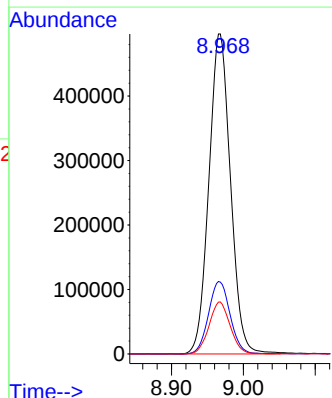
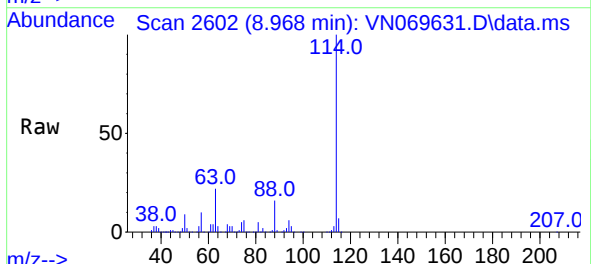
Manual Integrations
APPROVED

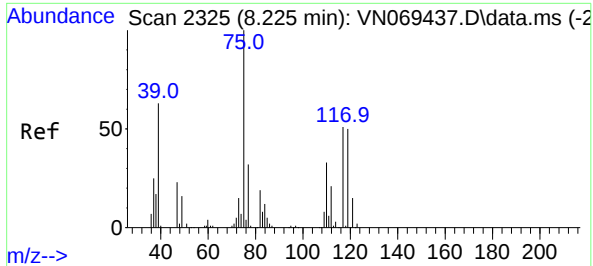
Reviewed By :John Carlone 11/24/2021
Supervised By :Mahesh Dadoda 11/26/2021



#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 8.968 min Scan# 2602
Delta R.T. -0.003 min
Lab File: VN069631.D
Acq: 23 Nov 2021 17:21

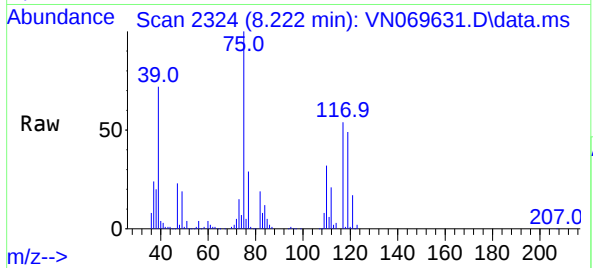
Tgt Ion:114 Resp: 1035786
Ion Ratio Lower Upper
114 100
63 22.7 15.8 23.6
88 16.0 11.6 17.4





#29
1,1-Dichloropropene
Concen: 21.443 ug/l
RT: 8.222 min Scan# 21
Delta R.T. -0.003 min
Lab File: VN069631.D
Acq: 23 Nov 2021 17:21

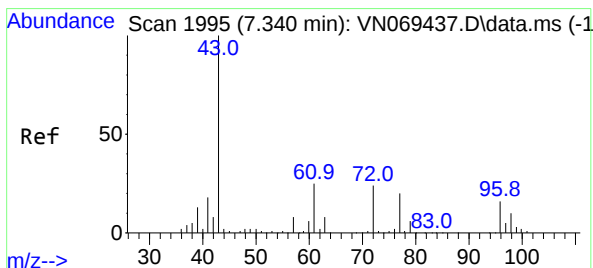
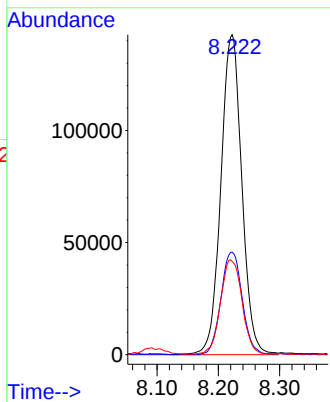
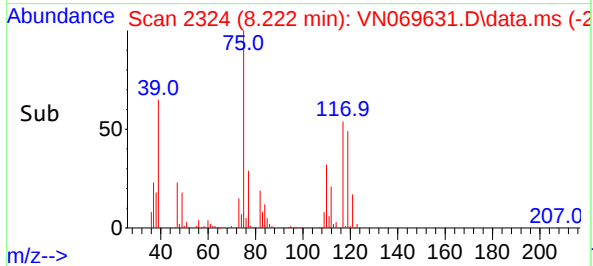
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



Tgt Ion: 75 Resp: 339044
Ion Ratio Lower Upper
75 100
110 32.6 0.0 74.2
77 30.2 0.0 63.2

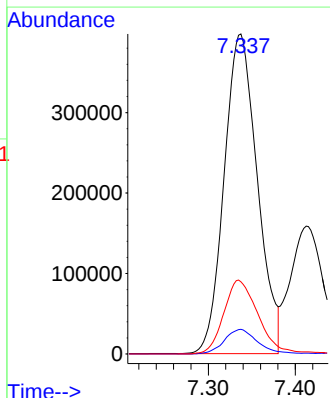
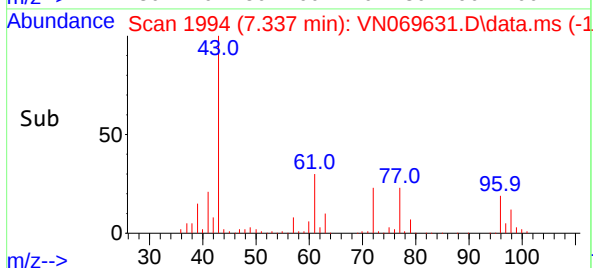
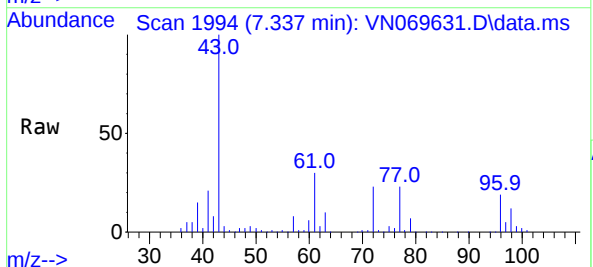
Manual Integrations
APPROVED

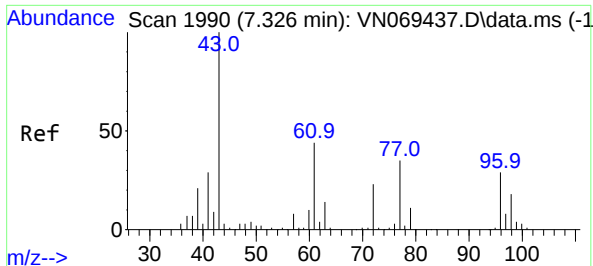
Reviewed By :John Carlone 11/24/2021
Supervised By :Mahesh Dadoda 11/26/2021



#30
2-Butanone
Concen: 92.022 ug/l
RT: 7.337 min Scan# 1994
Delta R.T. 0.000 min
Lab File: VN069631.D
Acq: 23 Nov 2021 17:21

Tgt Ion: 43 Resp: 1053156
Ion Ratio Lower Upper
43 100
57 7.7 6.7 10.1
72 24.2 23.2 34.8





#31
2,2-Dichloropropane
Concen: 19.783 ug/l
RT: 7.324 min Scan# 1990
Delta R.T. -0.005 min
Lab File: VN069631.D
Acq: 23 Nov 2021 17:21

Instrument :

MSVOA_N

ClientSampleId :

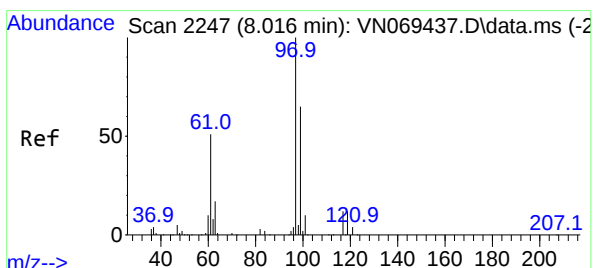
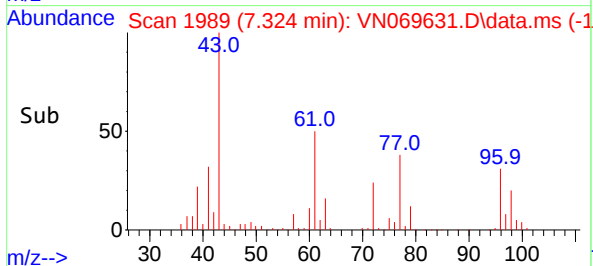
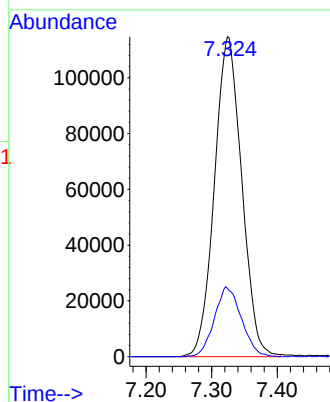
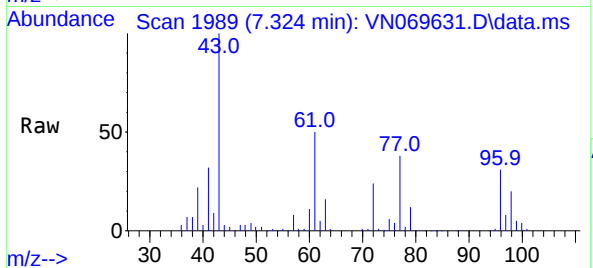
VSTDCCC020EC

Tgt Ion: 77 Resp: 33068
Ion Ratio Lower Upper
77 100
97 21.4 18.3 27.5

Manual Integrations

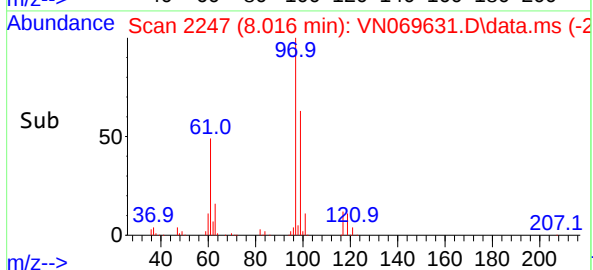
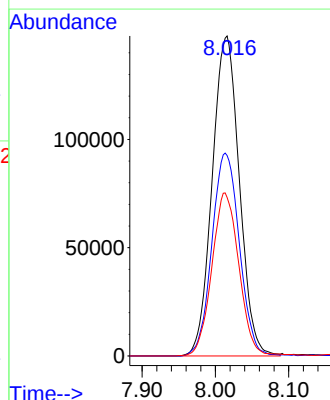
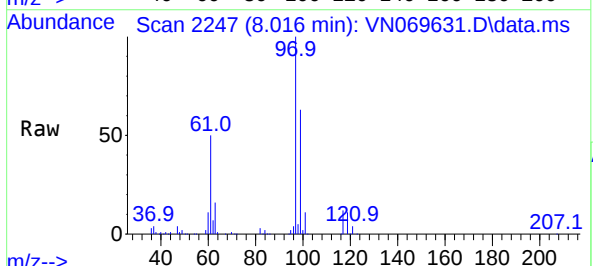
APPROVED

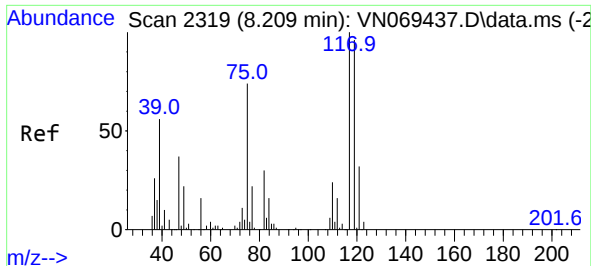
Reviewed By :John Carlone 11/24/2021
Supervised By :Mahesh Dadoda 11/26/2021



#32
1,1,1-Trichloroethane
Concen: 20.616 ug/l
RT: 8.016 min Scan# 2247
Delta R.T. 0.000 min
Lab File: VN069631.D
Acq: 23 Nov 2021 17:21

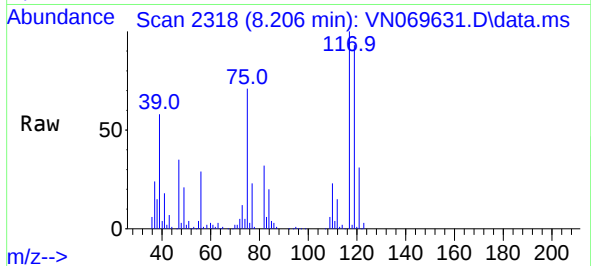
Tgt Ion: 97 Resp: 380540
Ion Ratio Lower Upper
97 100
99 64.1 50.4 75.6
61 50.7 34.6 51.8





#33
Carbon Tetrachloride
Concen: 20.630 ug/l
RT: 8.206 min Scan# 21
Delta R.T. -0.003 min
Lab File: VN069631.D
Acq: 23 Nov 2021 17:21

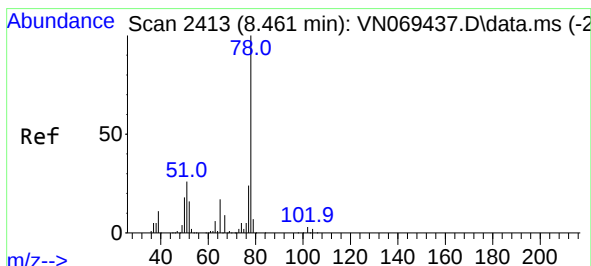
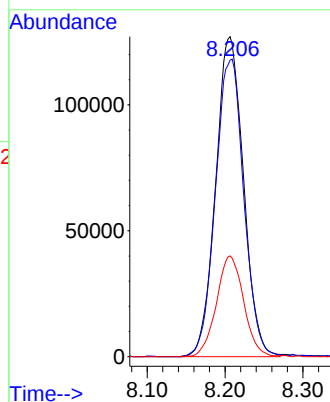
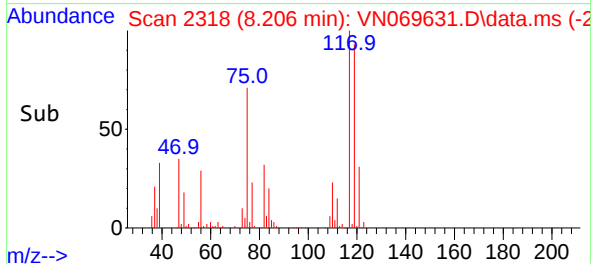
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



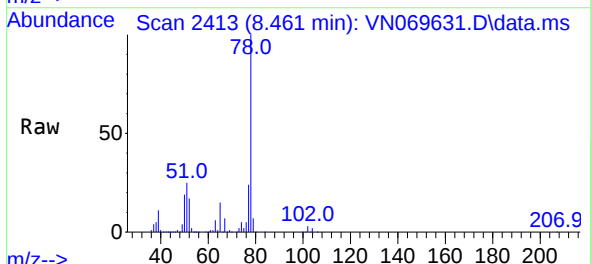
Tgt Ion: 117 Resp: 314510
Ion Ratio Lower Upper
117 100
119 92.7 77.5 116.3
121 31.5 23.5 35.3

Manual Integrations
APPROVED

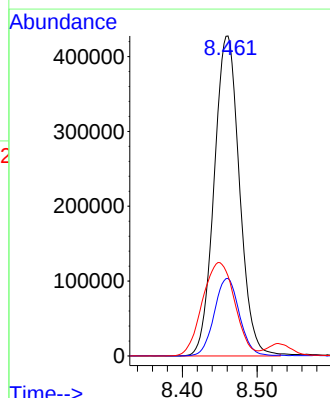
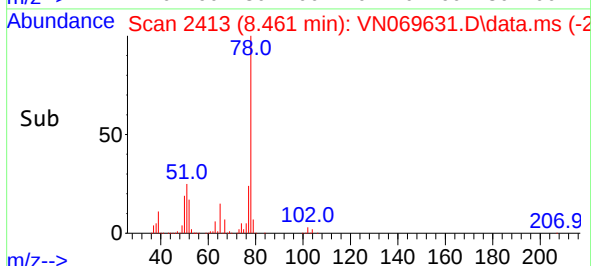
Reviewed By :John Carlone 11/24/2021
Supervised By :Mahesh Dadoda 11/26/2021

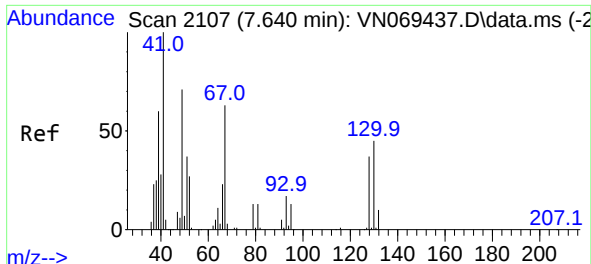


#34
Benzene
Concen: 20.882 ug/l
RT: 8.461 min Scan# 2413
Delta R.T. 0.000 min
Lab File: VN069631.D
Acq: 23 Nov 2021 17:21



Tgt Ion: 78 Resp: 1004064
Ion Ratio Lower Upper
78 100
77 24.3 19.1 28.7
51 24.5 16.0 24.0#





#35

Methacrylonitrile

Concen: 19.428 ug/l

RT: 7.638 min Scan# 2106

Delta R.T. 0.003 min

Lab File: VN069631.D

Acq: 23 Nov 2021 17:21

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tgt Ion: 41 Resp: 20393

Ion Ratio Lower Upper

41 100

39 57.0 28.0 83.9

67 62.4 37.7 113.1

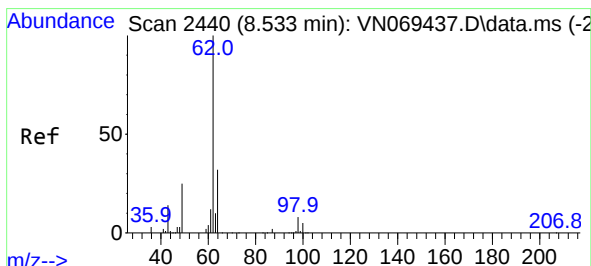
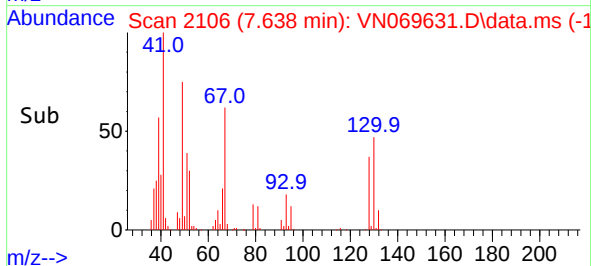
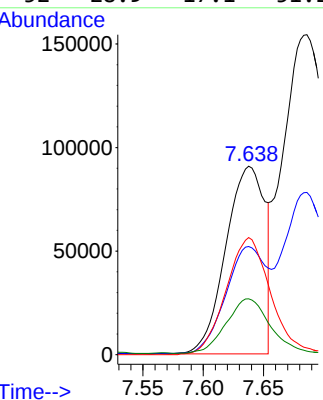
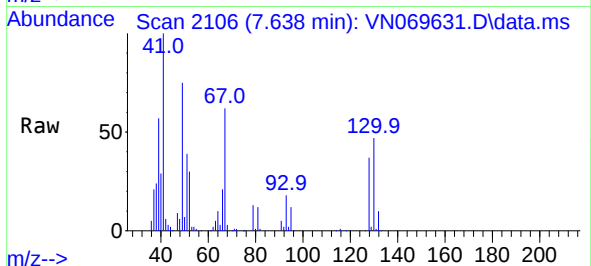
52 28.9 17.1 51.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/24/2021

Supervised By :Mahesh Dadoda 11/26/2021



#36

1,2-Dichloroethane

Concen: 21.374 ug/l

RT: 8.531 min Scan# 2439

Delta R.T. -0.003 min

Lab File: VN069631.D

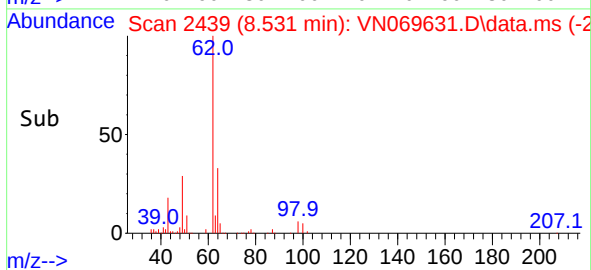
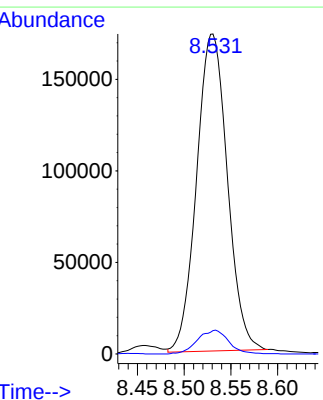
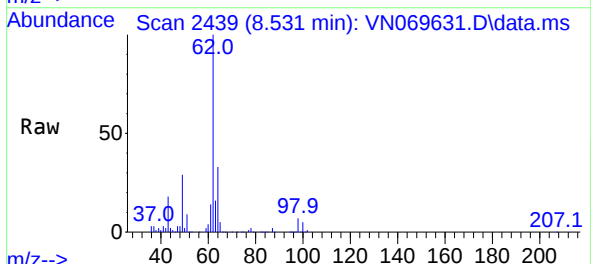
Acq: 23 Nov 2021 17:21

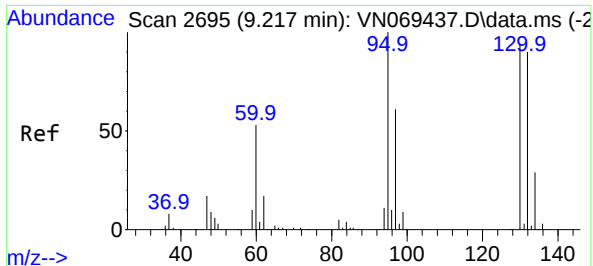
Tgt Ion: 62 Resp: 396207

Ion Ratio Lower Upper

62 100

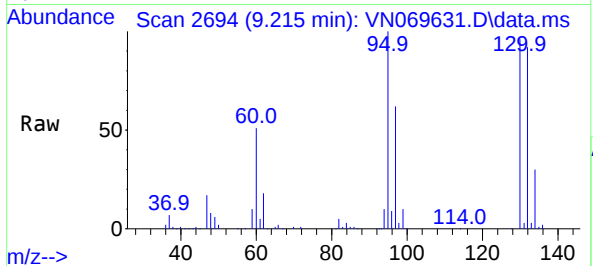
98 7.6 6.6 10.0





#37
Trichloroethene
Concen: 20.713 ug/l
RT: 9.215 min Scan# 2695
Delta R.T. -0.003 min
Lab File: VN069631.D
Acq: 23 Nov 2021 17:21

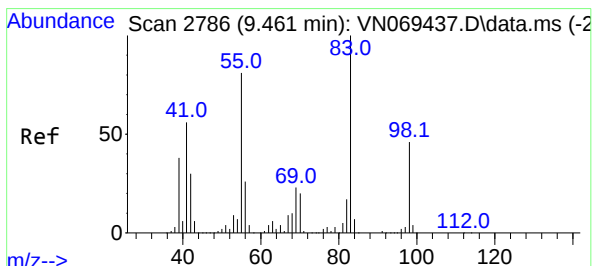
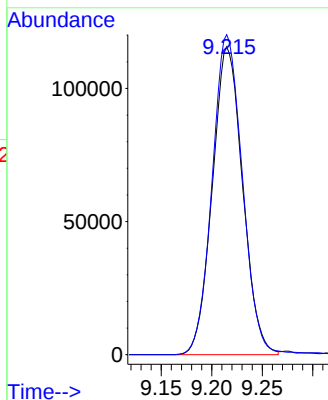
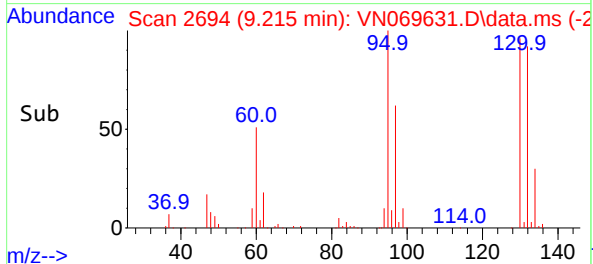
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



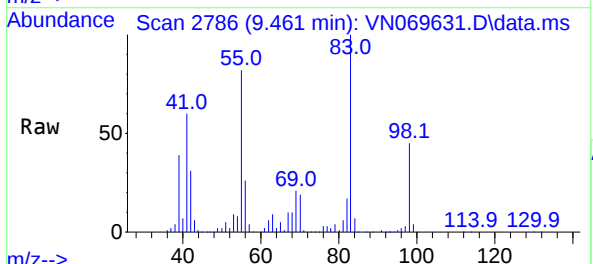
Tgt Ion:130 Resp: 24060
Ion Ratio Lower Upper
130 100
95 103.8 76.6 115.0

Manual Integrations
APPROVED

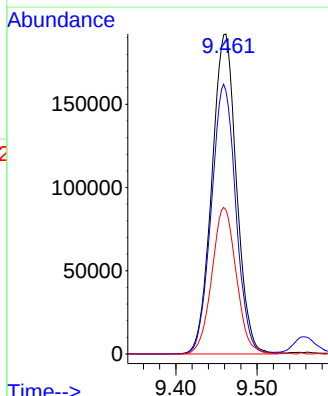
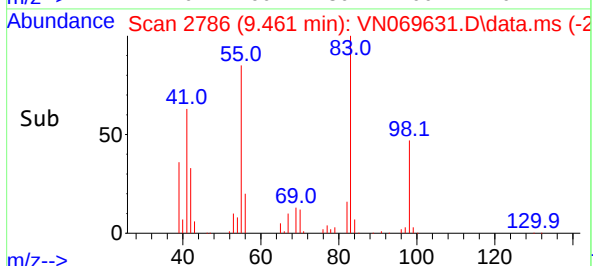
Reviewed By :John Carlone 11/24/2021
Supervised By :Mahesh Dadoda 11/26/2021

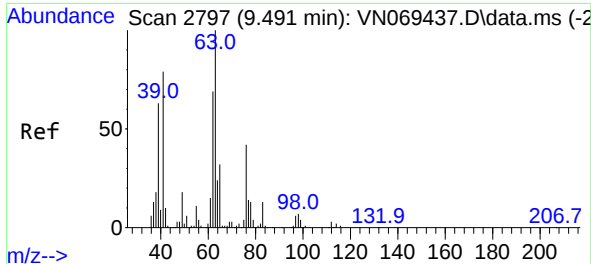


#38
Methylcyclohexane
Concen: 20.729 ug/l
RT: 9.461 min Scan# 2786
Delta R.T. 0.000 min
Lab File: VN069631.D
Acq: 23 Nov 2021 17:21



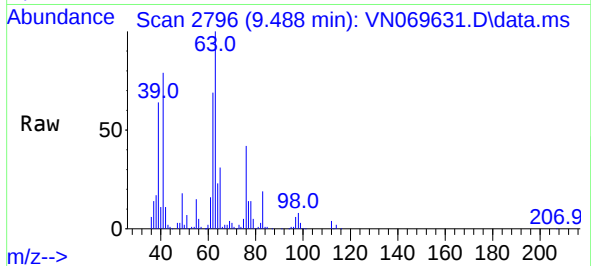
Tgt Ion: 83 Resp: 405487
Ion Ratio Lower Upper
83 100
55 83.3 35.1 105.3
98 45.4 23.4 70.2





#39
1,2-Dichloropropane
Concen: 21.168 ug/l
RT: 9.488 min Scan# 21
Delta R.T. -0.005 min
Lab File: VN069631.D
Acq: 23 Nov 2021 17:21

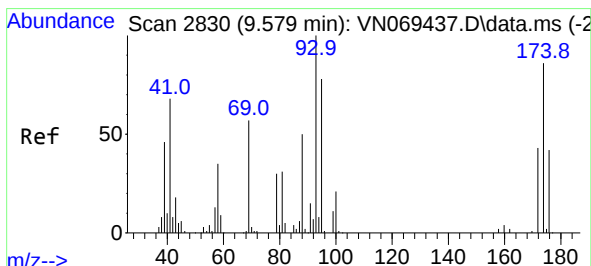
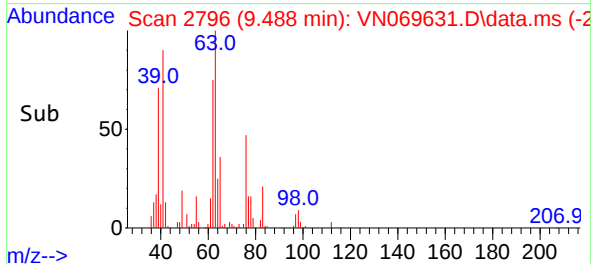
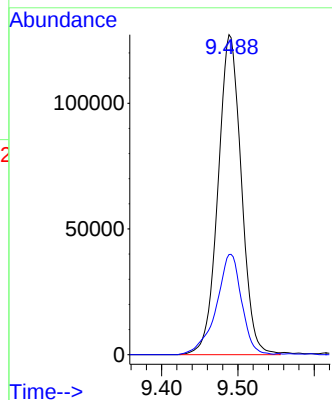
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



Tgt Ion: 63 Resp: 26956
Ion Ratio Lower Upper
63 100
65 31.1 24.2 36.4

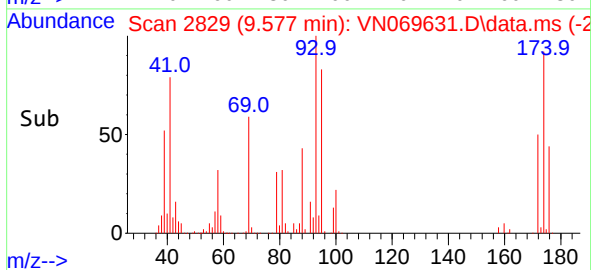
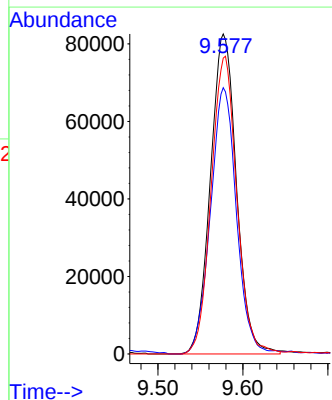
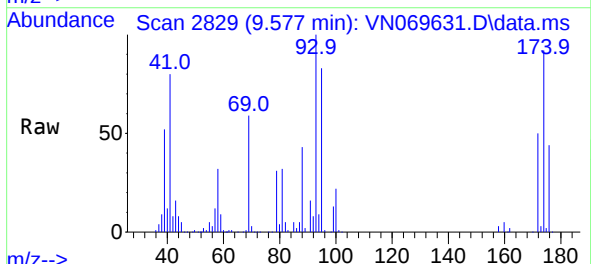
Manual Integrations
APPROVED

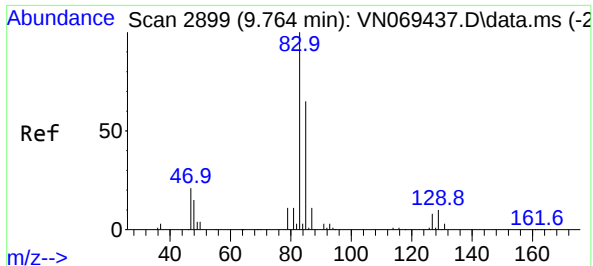
Reviewed By :John Carlone 11/24/2021
Supervised By :Mahesh Dadoda 11/26/2021



#40
Dibromomethane
Concen: 20.598 ug/l
RT: 9.577 min Scan# 2829
Delta R.T. -0.003 min
Lab File: VN069631.D
Acq: 23 Nov 2021 17:21

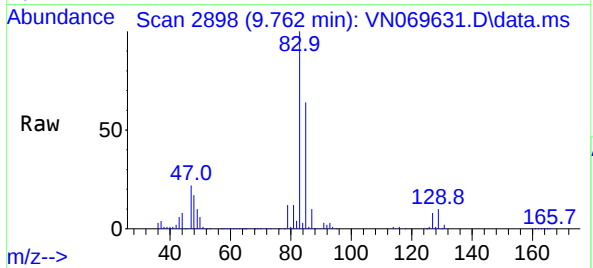
Tgt Ion: 93 Resp: 175677
Ion Ratio Lower Upper
93 100
95 82.6 0.0 168.8
174 91.8 0.0 173.6





#41
Bromodichloromethane
Concen: 20.407 ug/l
RT: 9.762 min Scan# 21
Delta R.T. -0.003 min
Lab File: VN069631.D
Acq: 23 Nov 2021 17:21

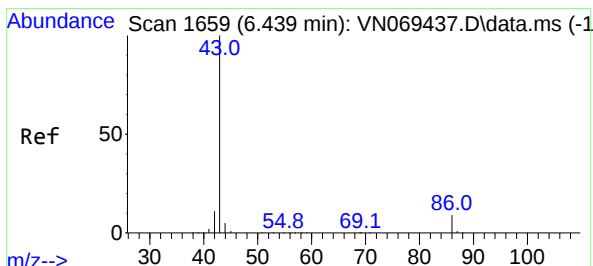
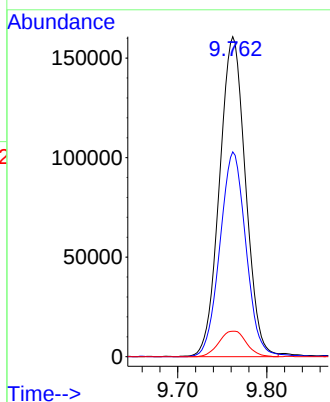
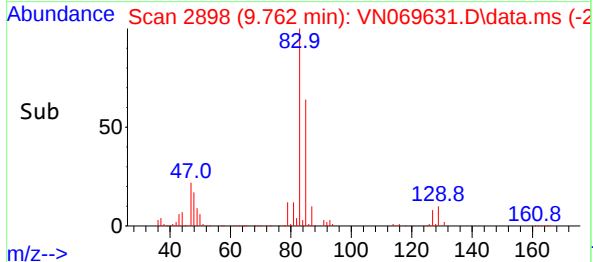
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



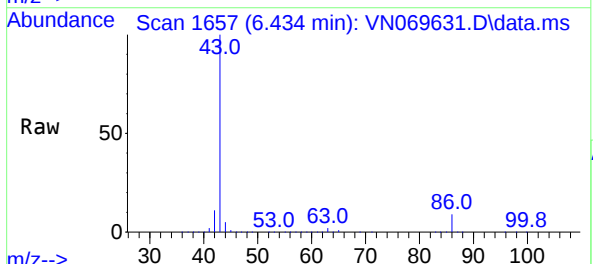
Tgt Ion: 83 Resp: 326672
Ion Ratio Lower Upper
83 100
85 64.0 54.1 81.1
127 7.9 7.6 11.4

Manual Integrations
APPROVED

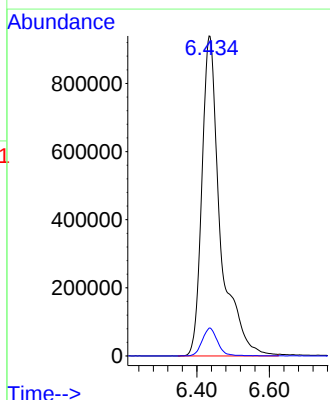
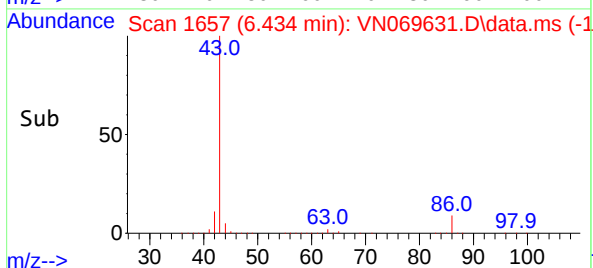
Reviewed By :John Carlone 11/24/2021
Supervised By :Mahesh Dadoda 11/26/2021

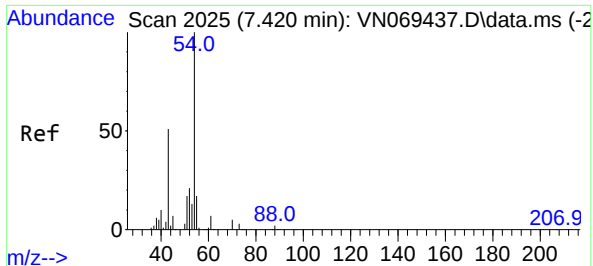


#42
Vinyl Acetate
Concen: 102.457 ug/l
RT: 6.434 min Scan# 1657
Delta R.T. -0.003 min
Lab File: VN069631.D
Acq: 23 Nov 2021 17:21



Tgt Ion: 43 Resp: 3313733
Ion Ratio Lower Upper
43 100
86 7.1 7.5 11.3#





#43

Ethyl Acetate

Concen: 19.235 ug/l

RT: 7.412 min Scan# 20

Delta R.T. 0.000 min

Lab File: VN069631.D

Acq: 23 Nov 2021 17:21

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tgt Ion: 43 Resp: 40796

Ion Ratio Lower Upper

43 100

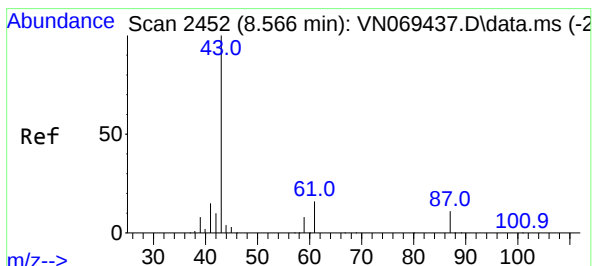
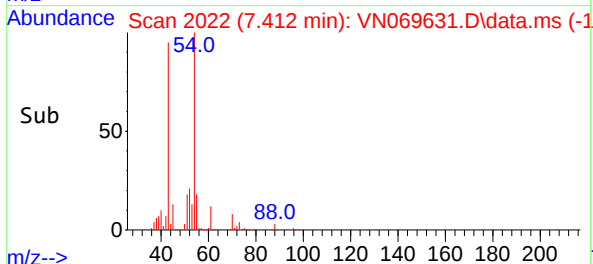
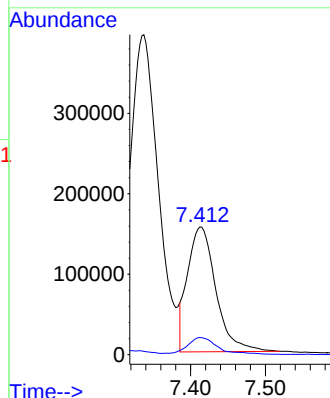
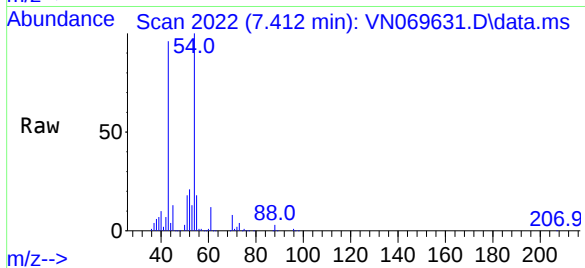
45 13.8 10.6 16.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/24/2021

Supervised By :Mahesh Dadoda 11/26/2021



#44

Isopropyl Acetate

Concen: 19.561 ug/l

RT: 8.560 min Scan# 2450

Delta R.T. 0.000 min

Lab File: VN069631.D

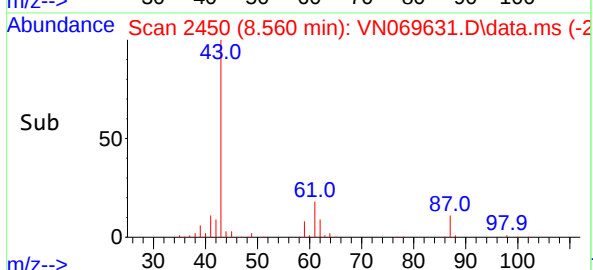
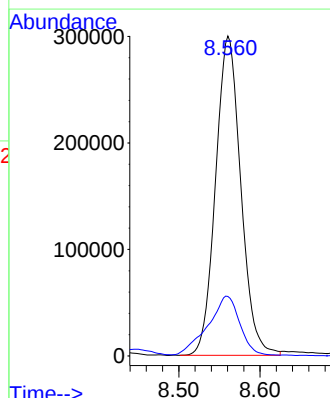
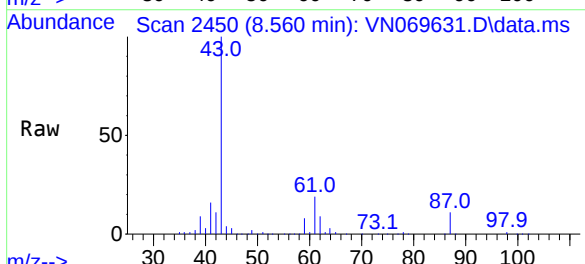
Acq: 23 Nov 2021 17:21

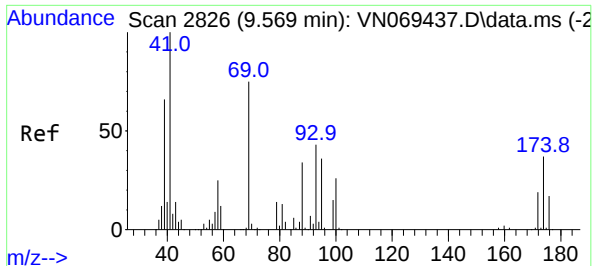
Tgt Ion: 43 Resp: 646808

Ion Ratio Lower Upper

43 100

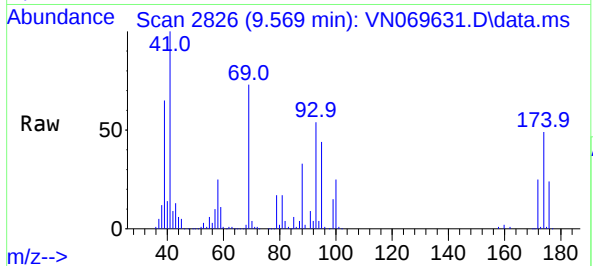
61 23.5 20.1 30.1





#45
1,4-Dioxane
Concen: 338.447 ug/l
RT: 9.569 min Scan# 2826
Delta R.T. 0.000 min
Lab File: VN069631.D
Acq: 23 Nov 2021 17:21

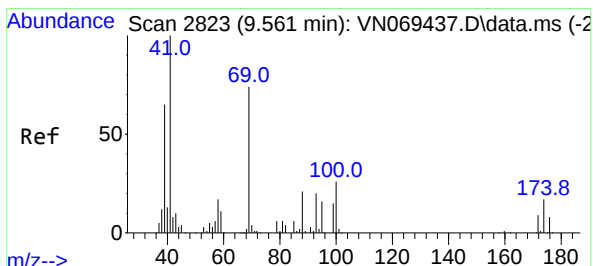
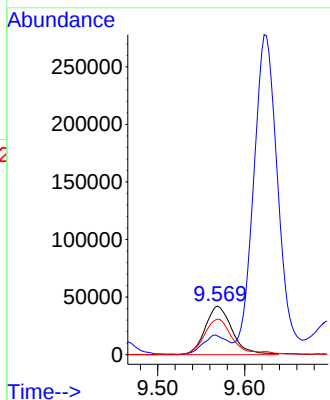
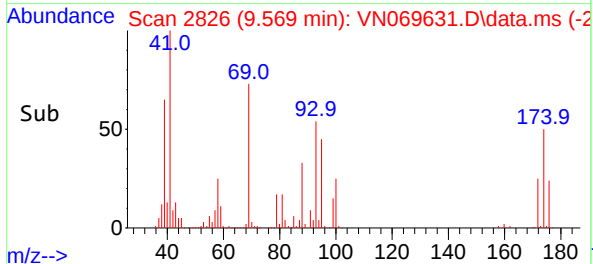
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



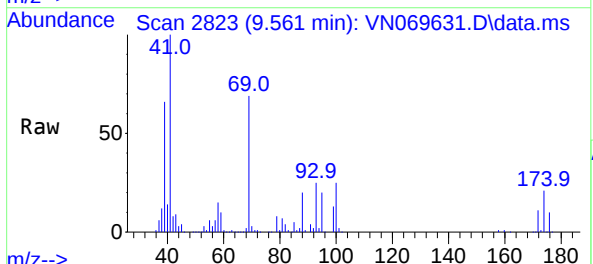
Tgt Ion: 88 Resp: 90844
Ion Ratio Lower Upper
88 100
43 35.1 25.0 37.6
58 74.6 49.4 74.2

Manual Integrations
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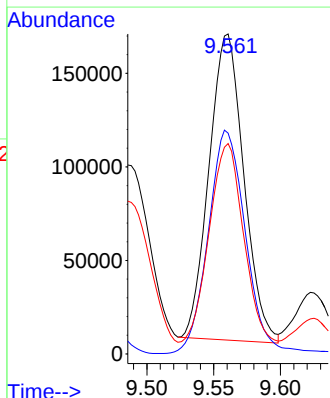
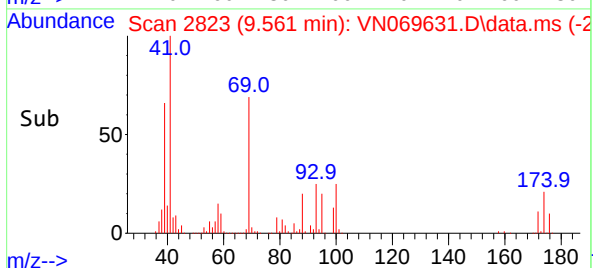
Reviewed By :John Carlone 11/24/2021
Supervised By :Mahesh Dadoda 11/26/2021

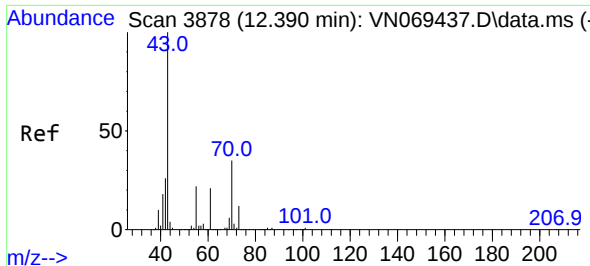


#46
Methyl methacrylate
Concen: 19.465 ug/l
RT: 9.561 min Scan# 2823
Delta R.T. 0.000 min
Lab File: VN069631.D
Acq: 23 Nov 2021 17:21



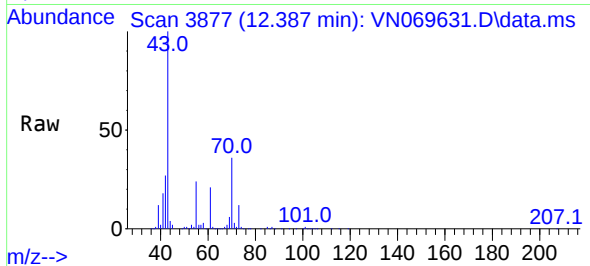
Tgt Ion: 41 Resp: 296421
Ion Ratio Lower Upper
41 100
69 71.6 44.4 133.2
39 65.5 39.9 119.6





#47
n-amy1 Acetate
Concen: 15.688 ug/l
RT: 12.387 min Scan# 3878
Delta R.T. -0.003 min
Lab File: VN069631.D
Acq: 23 Nov 2021 17:21

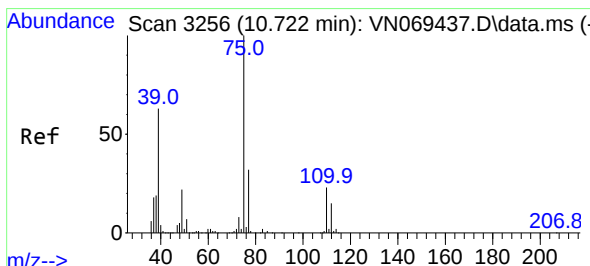
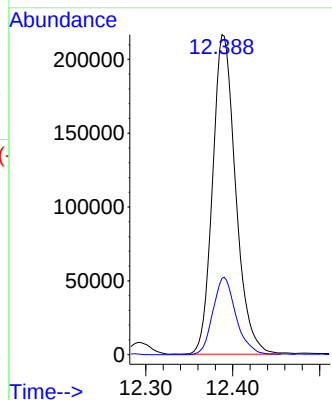
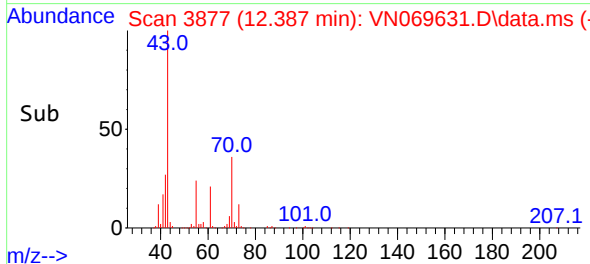
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



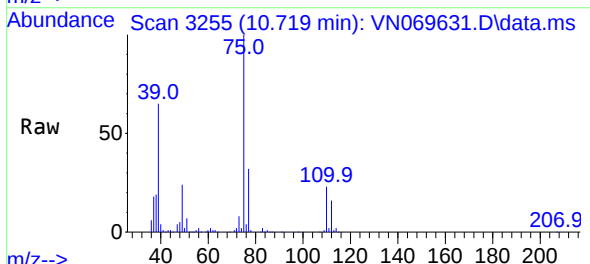
Tgt Ion: 43 Resp: 398332
Ion Ratio Lower Upper
43 100
55 24.3 19.0 28.6

Manual Integrations
APPROVED

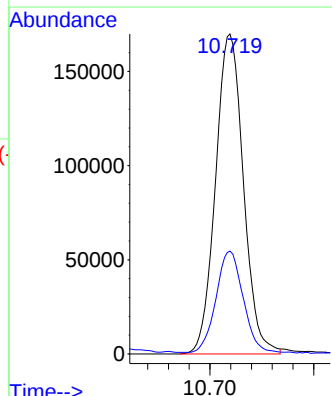
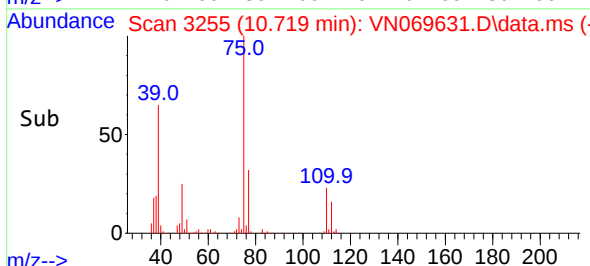
Reviewed By :John Carlone 11/24/2021
Supervised By :Mahesh Dadoda 11/26/2021

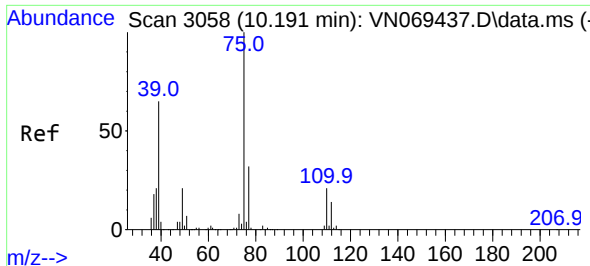


#48
t-1,3-Dichloropropene
Concen: 18.440 ug/l
RT: 10.719 min Scan# 3255
Delta R.T. 0.000 min
Lab File: VN069631.D
Acq: 23 Nov 2021 17:21



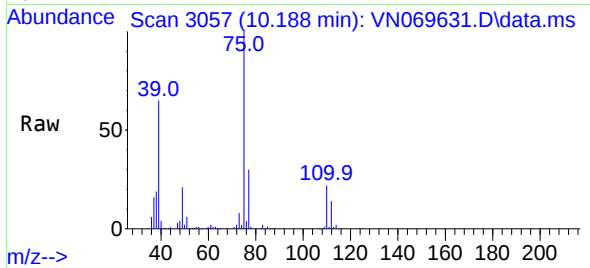
Tgt Ion: 75 Resp: 316799
Ion Ratio Lower Upper
75 100
77 31.6 25.3 37.9





#49
cis-1,3-Dichloropropene
Concen: 19.940 ug/l
RT: 10.188 min Scan# 3058
Delta R.T. -0.003 min
Lab File: VN069631.D
Acq: 23 Nov 2021 17:21

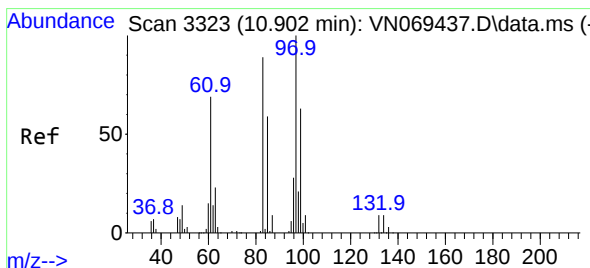
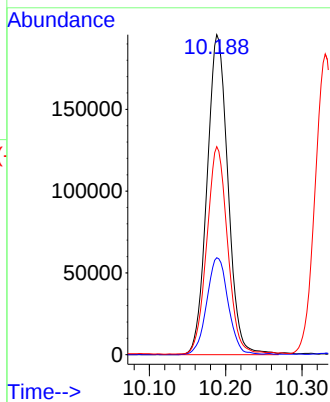
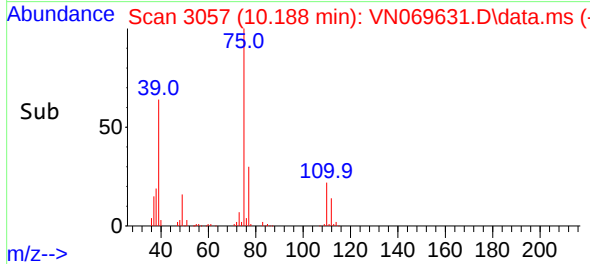
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



Tgt Ion: 75 Resp: 37275
Ion Ratio Lower Upper
75 100
77 30.3 25.3 37.9
39 64.8 46.2 69.4

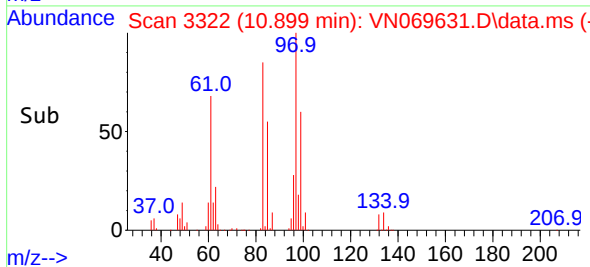
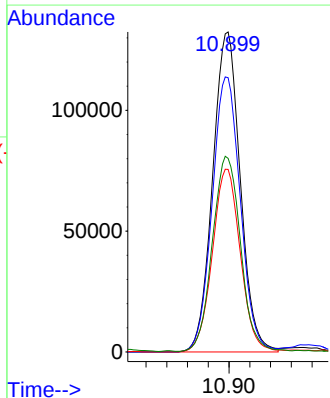
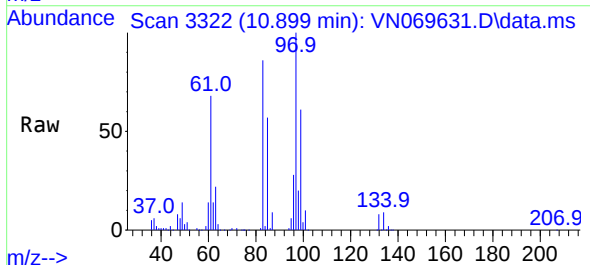
Manual Integrations
APPROVED

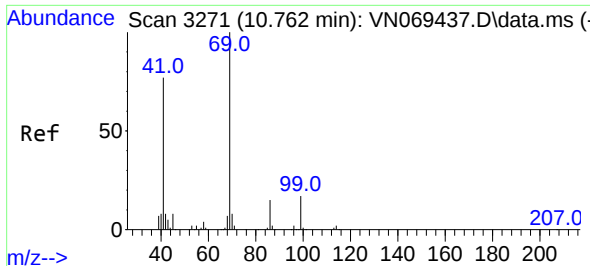
Reviewed By :John Carlone 11/24/2021
Supervised By :Mahesh Dadoda 11/26/2021



#50
1,1,2-Trichloroethane
Concen: 20.166 ug/l
RT: 10.899 min Scan# 3322
Delta R.T. 0.000 min
Lab File: VN069631.D
Acq: 23 Nov 2021 17:21

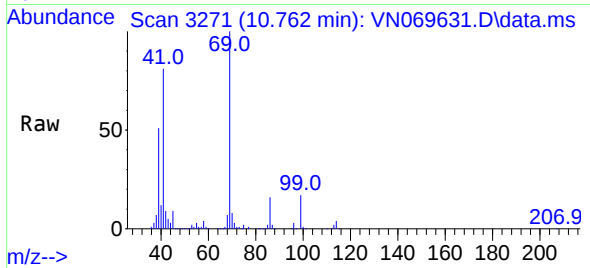
Tgt Ion: 97 Resp: 244237
Ion Ratio Lower Upper
97 100
83 85.7 67.2 100.8
85 57.1 43.0 64.4
99 60.3 49.0 73.4





#51
Ethyl methacrylate
Concen: 18.685 ug/l
RT: 10.762 min Scan# 31
Delta R.T. 0.000 min
Lab File: VN069631.D
Acq: 23 Nov 2021 17:21

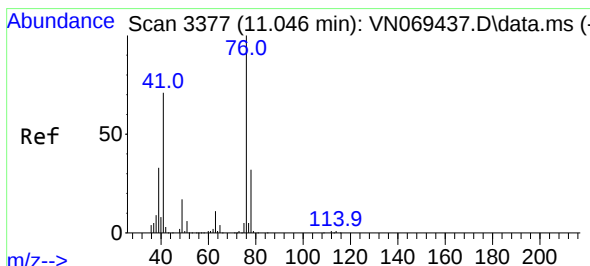
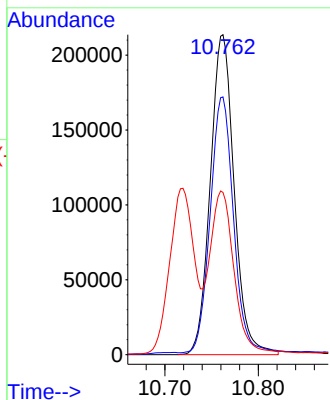
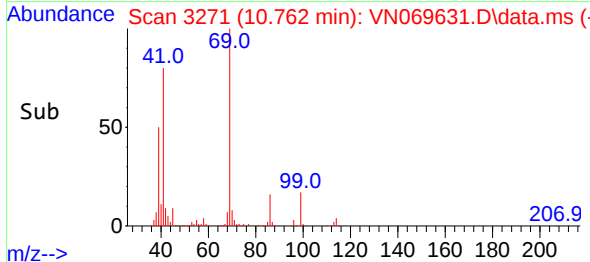
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



Tgt Ion: 69 Resp: 37940
Ion Ratio Lower Upper
69 100
41 79.9 33.0 98.9
39 49.6 25.4 76.4

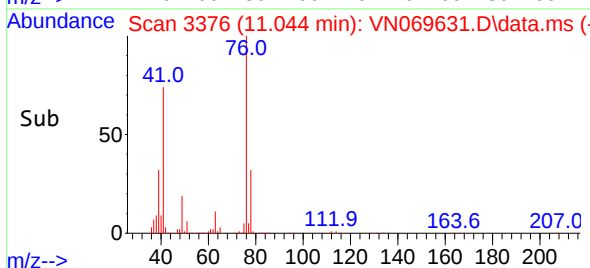
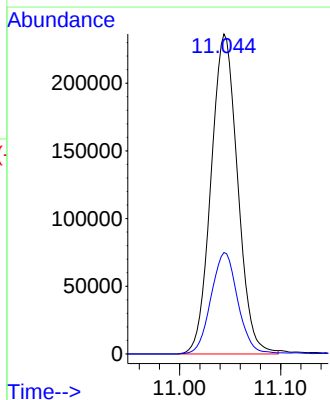
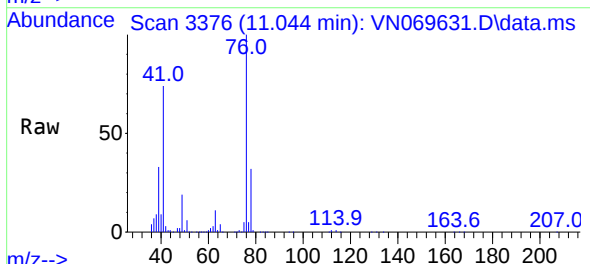
Manual Integrations
APPROVED

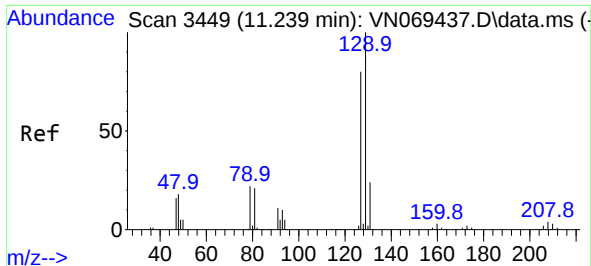
Reviewed By :John Carlone 11/24/2021
Supervised By :Mahesh Dadoda 11/26/2021



#52
1,3-Dichloropropane
Concen: 20.630 ug/l
RT: 11.044 min Scan# 3376
Delta R.T. -0.003 min
Lab File: VN069631.D
Acq: 23 Nov 2021 17:21

Tgt Ion: 76 Resp: 431583
Ion Ratio Lower Upper
76 100
78 32.0 0.0 65.4





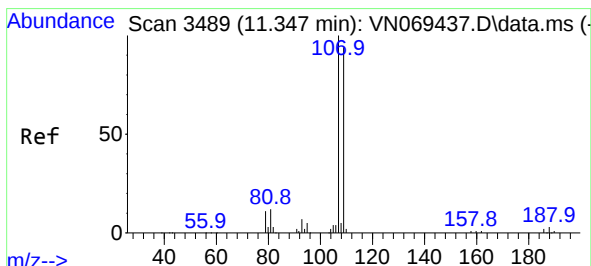
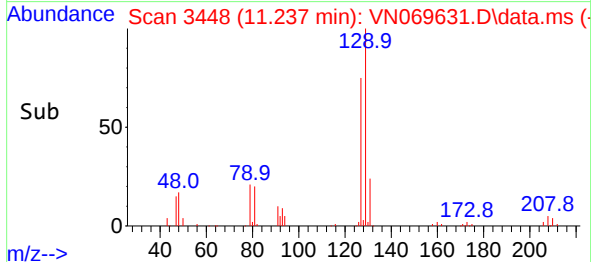
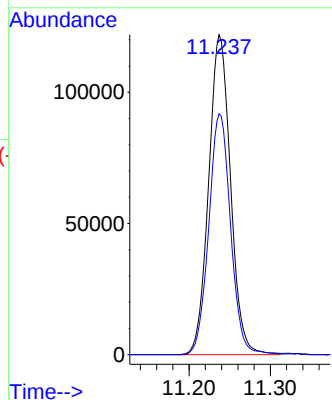
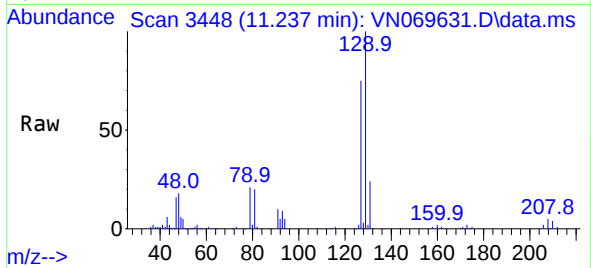
#53
Dibromochloromethane
Concen: 19.692 ug/l
RT: 11.237 min Scan# 3449
Delta R.T. -0.003 min
Lab File: VN069631.D
Acq: 23 Nov 2021 17:21

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tgt Ion:129 Resp: 227902
Ion Ratio Lower Upper
129 100
127 75.2 39.0 117.0

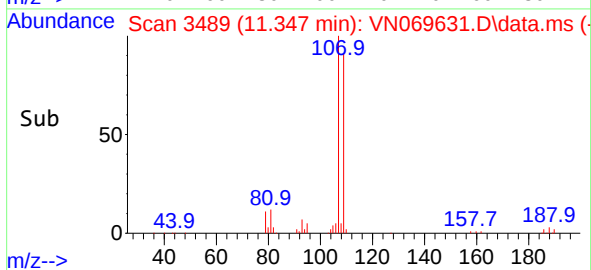
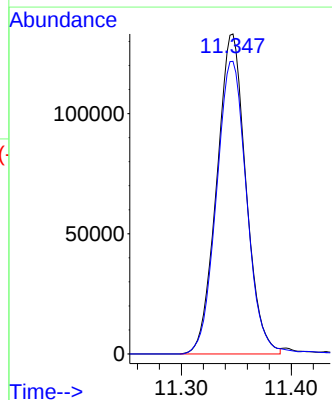
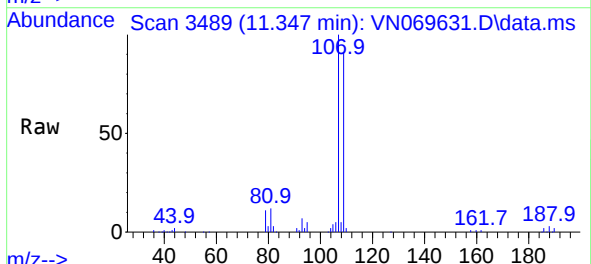
Manual Integrations
APPROVED

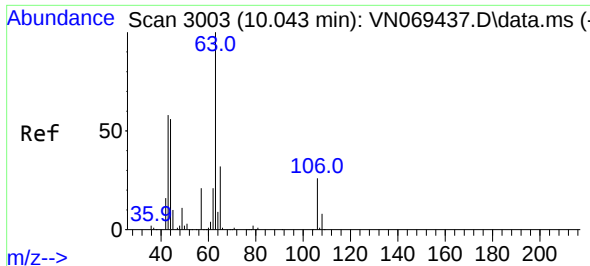
Reviewed By :John Carlone 11/24/2021
Supervised By :Mahesh Dadoda 11/26/2021



#54
1,2-Dibromoethane
Concen: 19.579 ug/l
RT: 11.347 min Scan# 3489
Delta R.T. 0.000 min
Lab File: VN069631.D
Acq: 23 Nov 2021 17:21

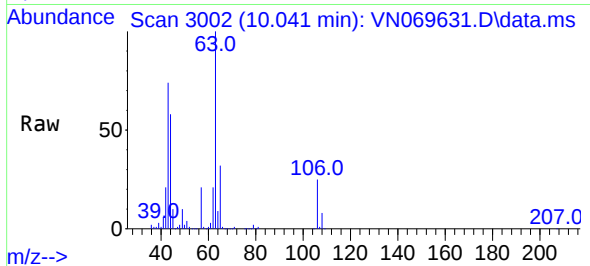
Tgt Ion:107 Resp: 245582
Ion Ratio Lower Upper
107 100
109 94.6 72.8 109.2





#55
2-Chloroethyl vinyl ether
Concen: 99.931 ug/l
RT: 10.041 min Scan# 3003
Delta R.T. -0.003 min
Lab File: VN069631.D
Acq: 23 Nov 2021 17:21

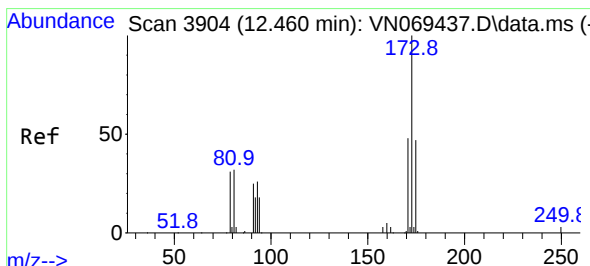
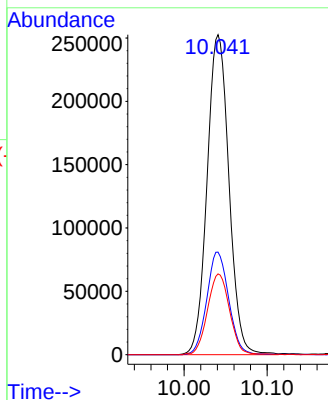
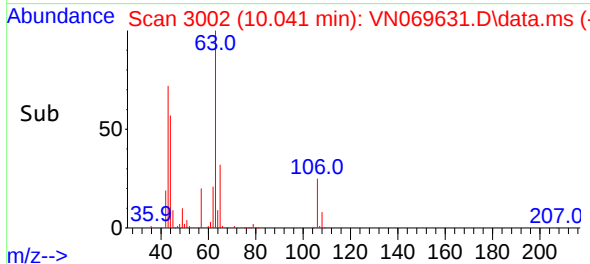
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



Tgt Ion: 63 Resp: 46155
Ion Ratio Lower Upper
63 100
65 32.2 25.4 38.0
106 25.3 23.2 34.8

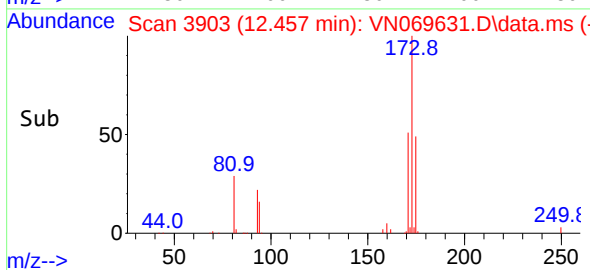
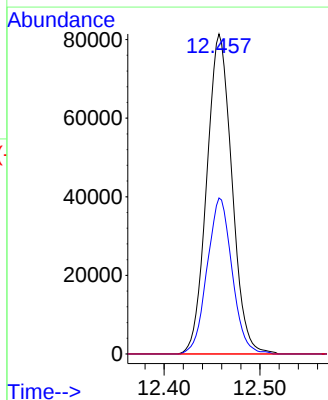
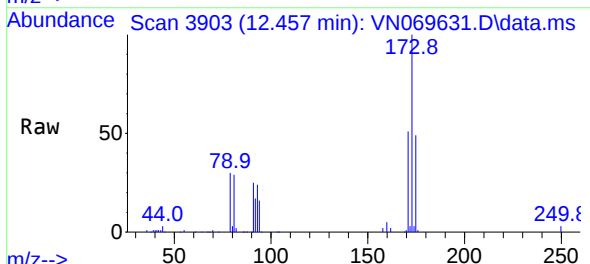
Manual Integrations
APPROVED

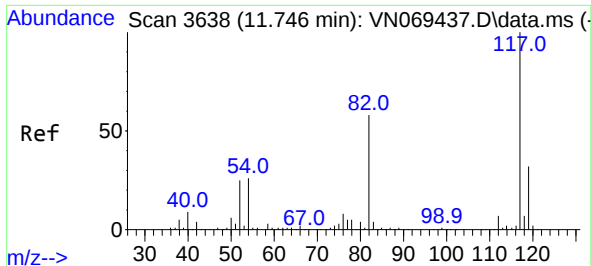
Reviewed By :John Carlone 11/24/2021
Supervised By :Mahesh Dadoda 11/26/2021



#56
Bromoform
Concen: 17.895 ug/l
RT: 12.457 min Scan# 3903
Delta R.T. -0.003 min
Lab File: VN069631.D
Acq: 23 Nov 2021 17:21

Tgt Ion:173 Resp: 148510
Ion Ratio Lower Upper
173 100
175 48.2 38.6 58.0
254 0.0 0.0 0.0





#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.744 min Scan# 3637
Delta R.T. -0.003 min
Lab File: VN069631.D
Acq: 23 Nov 2021 17:21

Instrument :

MSVOA_N

ClientSampleId :

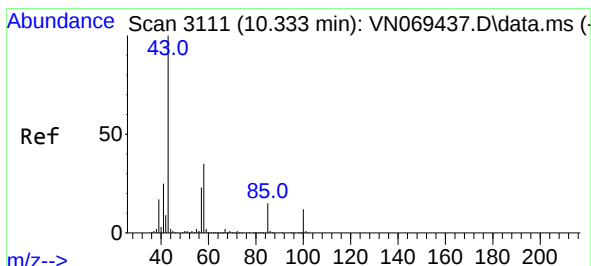
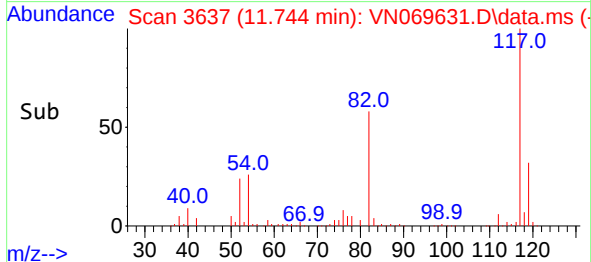
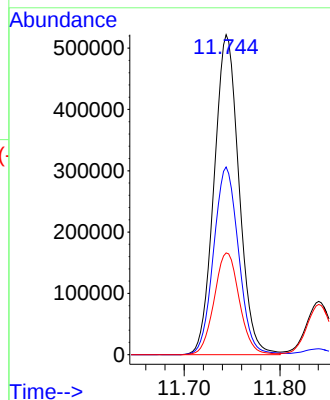
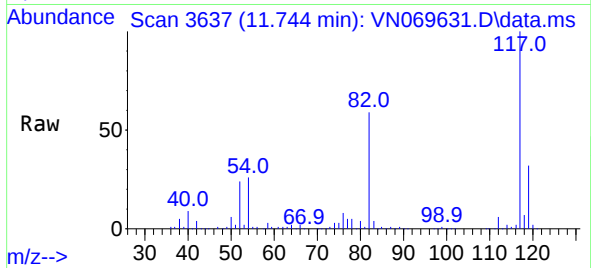
VSTDCCC020EC

Tgt Ion:117 Resp: 93949
Ion Ratio Lower Upper
117 100
82 59.0 43.6 65.4
119 32.3 25.8 38.6

Manual Integrations

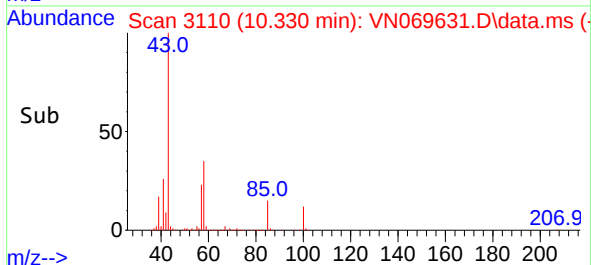
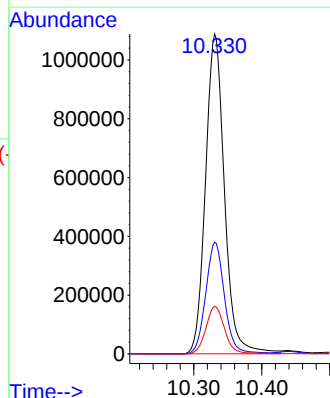
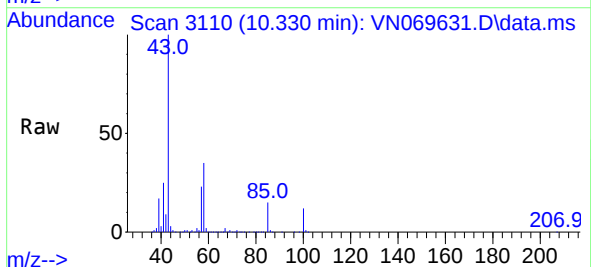
APPROVED

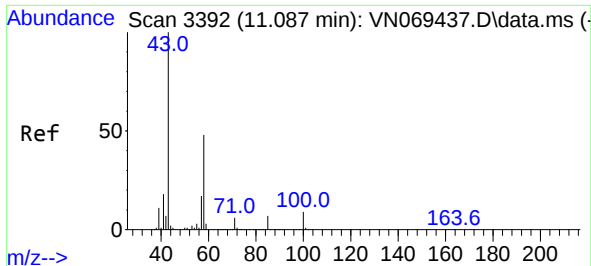
Reviewed By :John Carlone 11/24/2021
Supervised By :Mahesh Dadoda 11/26/2021



#58
4-Methyl-2-Pentanone
Concen: 102.108 ug/l
RT: 10.330 min Scan# 3110
Delta R.T. 0.000 min
Lab File: VN069631.D
Acq: 23 Nov 2021 17:21

Tgt Ion: 43 Resp: 2105746
Ion Ratio Lower Upper
43 100
58 34.7 30.0 45.0
85 14.7 15.0 22.6#





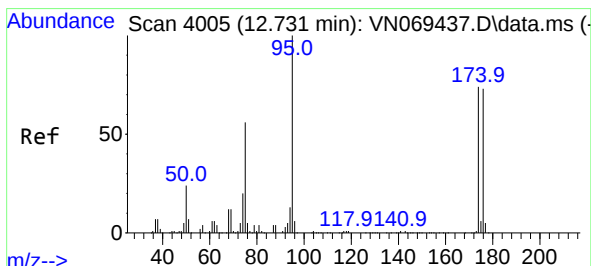
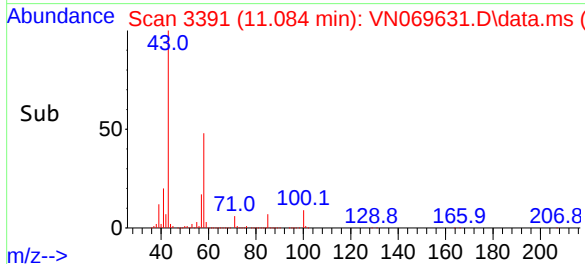
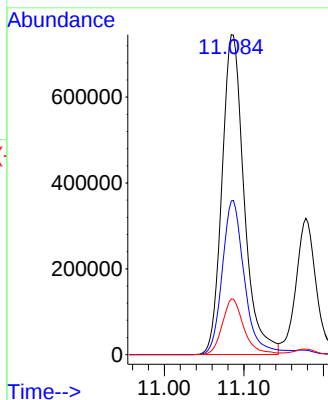
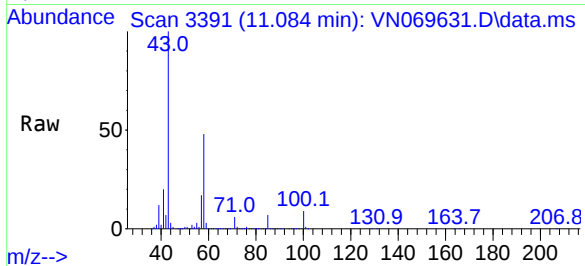
#59
2-Hexanone
Concen: 91.824 ug/l
RT: 11.084 min Scan# 3391
Delta R.T. -0.003 min
Lab File: VN069631.D
Acq: 23 Nov 2021 17:21

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tgt Ion: 43 Resp: 1440430
Ion Ratio Lower Upper
43 100
58 48.3 42.2 63.2
57 17.1 15.0 22.4

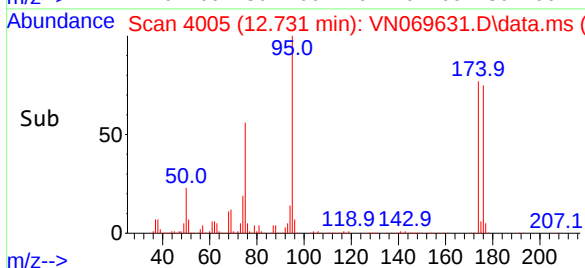
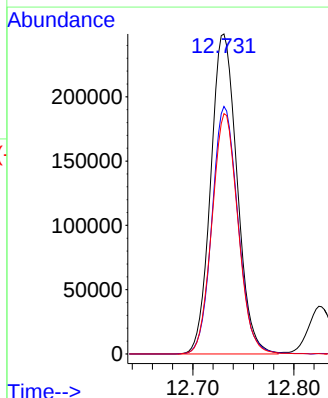
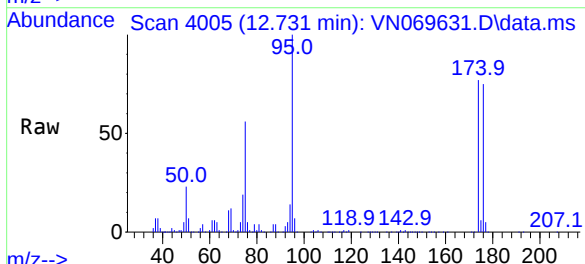
Manual Integrations
APPROVED

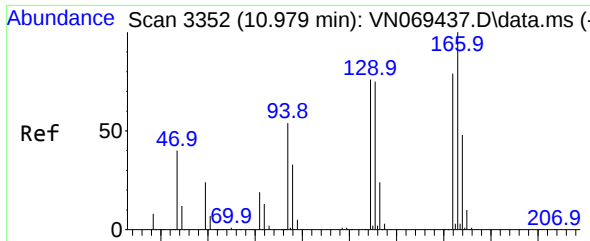
Reviewed By :John Carlone 11/24/2021
Supervised By :Mahesh Dadoda 11/26/2021



#60
4-Bromofluorobenzene
Concen: 29.960 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. -0.003 min
Lab File: VN069631.D
Acq: 23 Nov 2021 17:21

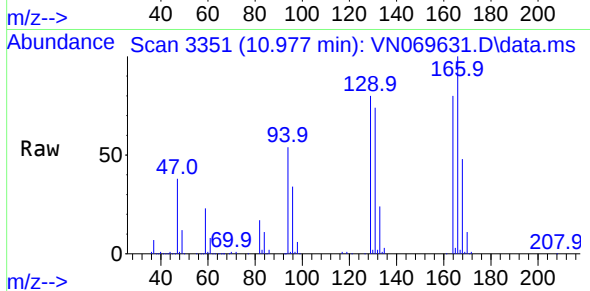
Tgt Ion: 95 Resp: 450430
Ion Ratio Lower Upper
95 100
174 76.3 62.9 94.3
176 74.3 61.0 91.4





#61
Tetrachloroethene
Concen: 22.643 ug/l
RT: 10.977 min Scan# 3175
Delta R.T. -0.003 min
Lab File: VN069631.D
Acq: 23 Nov 2021 17:21

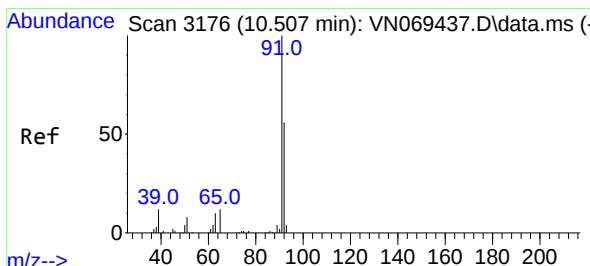
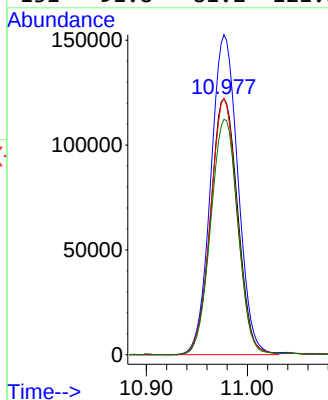
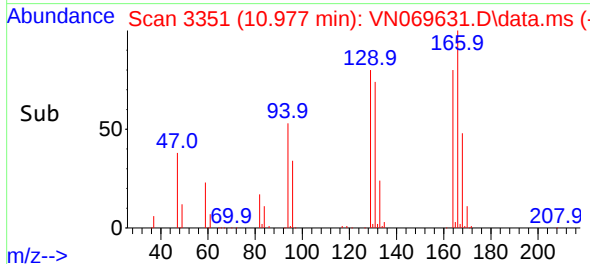
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



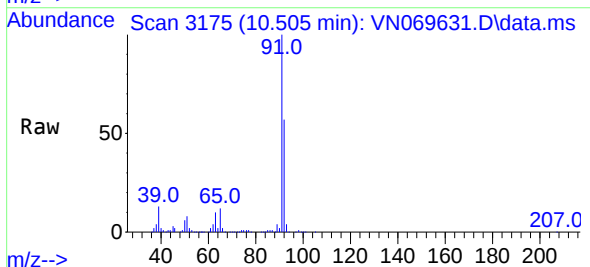
Tgt Ion:164 Resp: 228320
Ion Ratio Lower Upper
164 100
166 125.0 105.8 158.8
129 100.1 82.5 123.7
131 91.8 81.2 121.8

Manual Integrations
APPROVED

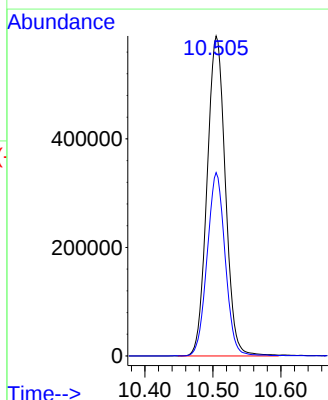
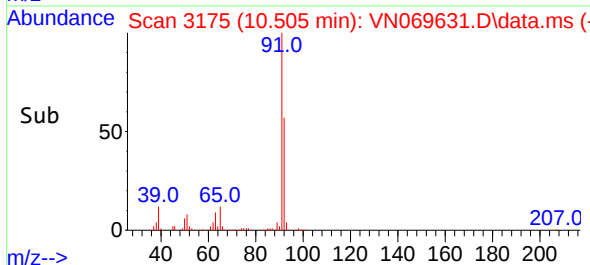
Reviewed By :John Carlone 11/24/2021
Supervised By :Mahesh Dadoda 11/26/2021

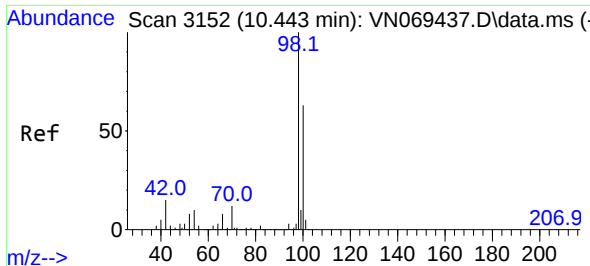


#62
Toluene
Concen: 21.365 ug/l
RT: 10.505 min Scan# 3175
Delta R.T. -0.003 min
Lab File: VN069631.D
Acq: 23 Nov 2021 17:21



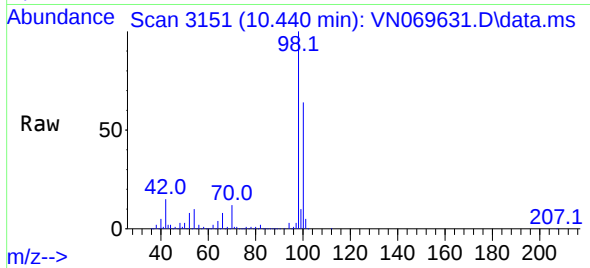
Tgt Ion: 91 Resp: 1103015
Ion Ratio Lower Upper
91 100
92 56.3 44.6 67.0





#63
Toluene-d8
Concen: 30.734 ug/l
RT: 10.440 min Scan# 3152
Delta R.T. -0.003 min
Lab File: VN069631.D
Acq: 23 Nov 2021 17:21

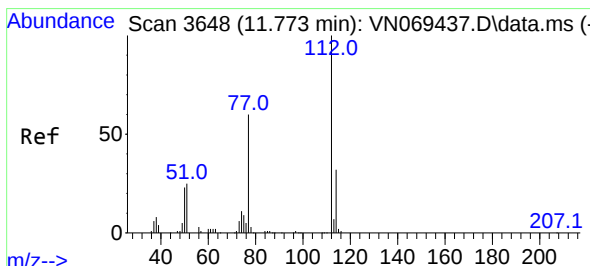
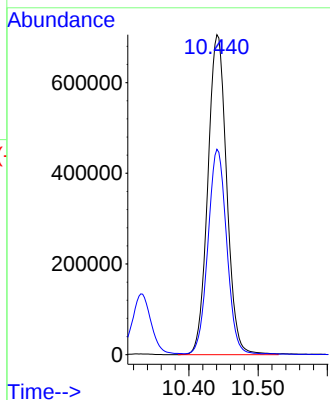
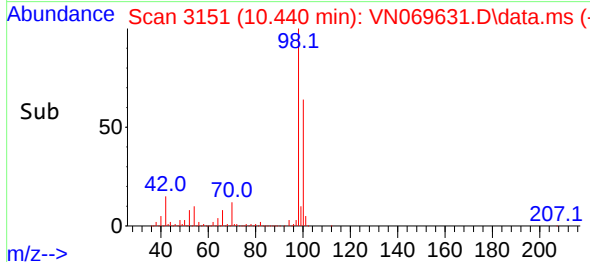
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



Tgt Ion: 98 Resp: 133323
Ion Ratio Lower Upper
98 100
100 63.3 50.6 76.0

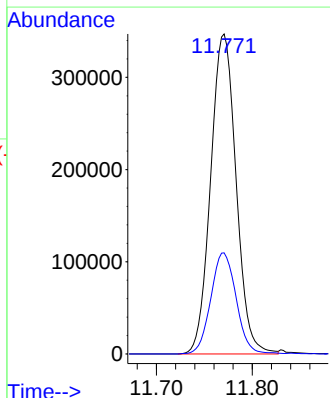
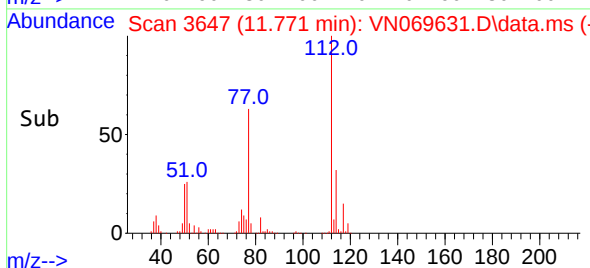
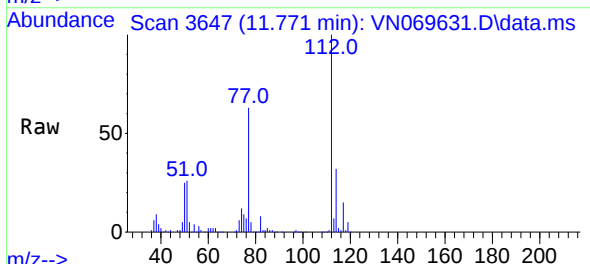
Manual Integrations
APPROVED

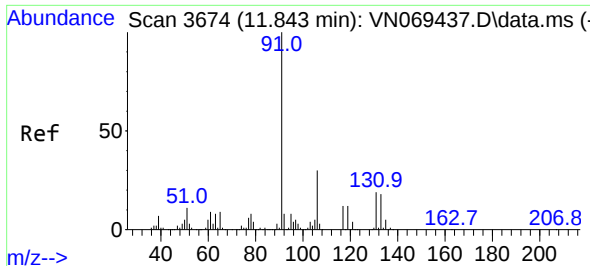
Reviewed By :John Carlone 11/24/2021
Supervised By :Mahesh Dadoda 11/26/2021



#64
Chlorobenzene
Concen: 20.645 ug/l
RT: 11.771 min Scan# 3647
Delta R.T. -0.003 min
Lab File: VN069631.D
Acq: 23 Nov 2021 17:21

Tgt Ion:112 Resp: 639457
Ion Ratio Lower Upper
112 100
114 31.6 25.8 38.6





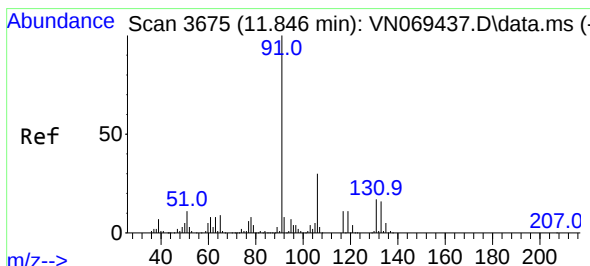
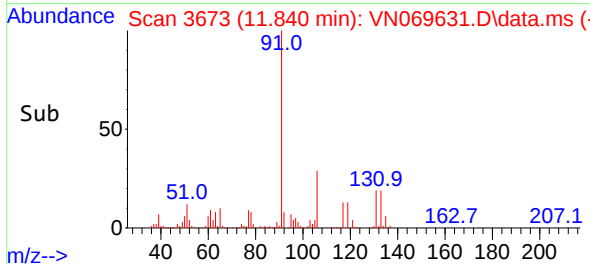
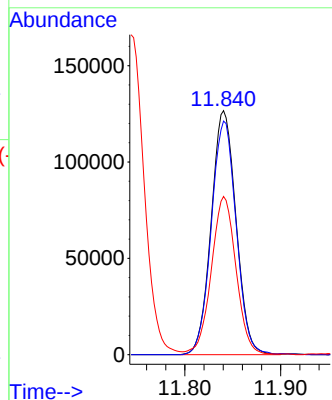
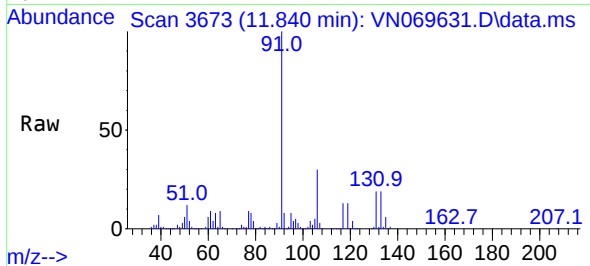
#65
1,1,1,2-Tetrachloroethane
Concen: 20.914 ug/l
RT: 11.840 min Scan# 3674
Delta R.T. -0.003 min
Lab File: VN069631.D
Acq: 23 Nov 2021 17:21

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tgt Ion:131 Resp: 22806
Ion Ratio Lower Upper
131 100
133 96.0 0.0 191.2
119 64.6 0.0 128.8

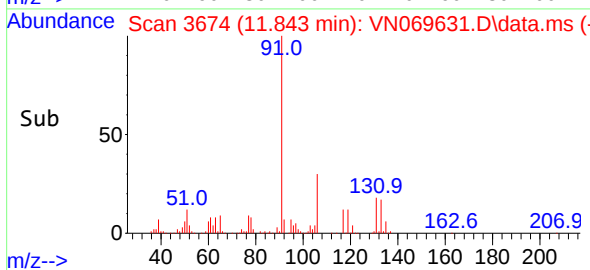
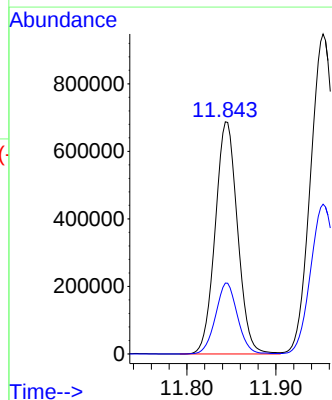
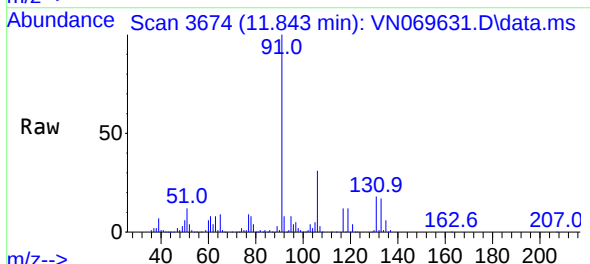
Manual Integrations
APPROVED

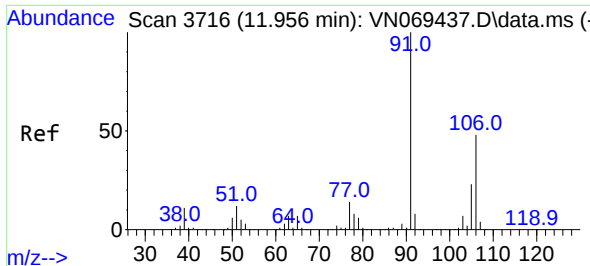
Reviewed By :John Carlone 11/24/2021
Supervised By :Mahesh Dadoda 11/26/2021



#66
Ethyl Benzene
Concen: 21.004 ug/l
RT: 11.843 min Scan# 3674
Delta R.T. -0.005 min
Lab File: VN069631.D
Acq: 23 Nov 2021 17:21

Tgt Ion: 91 Resp: 1200252
Ion Ratio Lower Upper
91 100
106 30.5 24.0 36.0





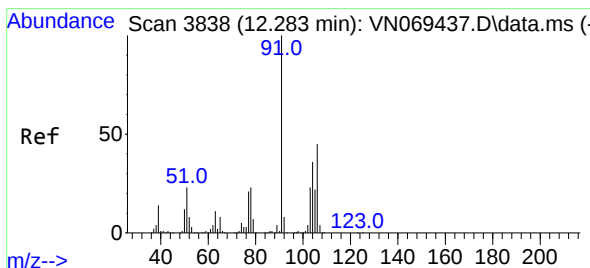
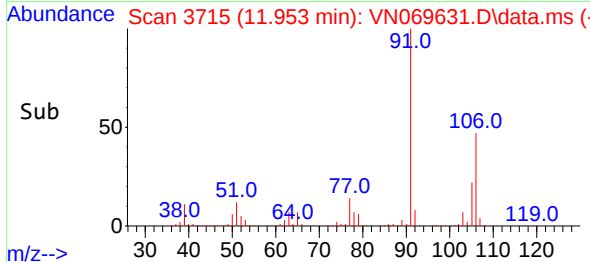
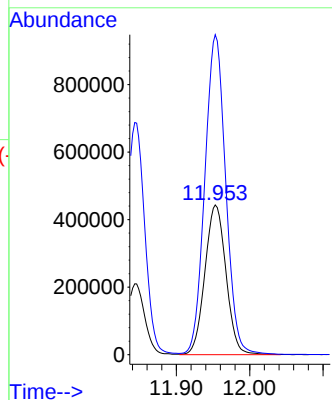
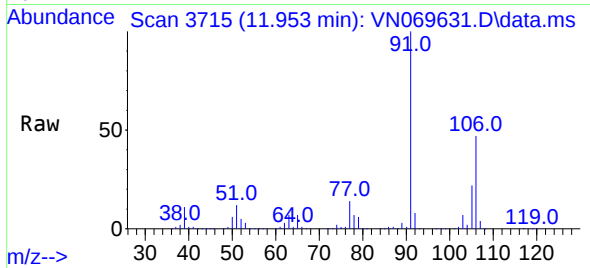
#67
m/p-Xylenes
Concen: 41.806 ug/l
RT: 11.953 min Scan# 31
Delta R.T. -0.003 min
Lab File: VN069631.D
Acq: 23 Nov 2021 17:21

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tgt Ion:106 Resp: 88731
Ion Ratio Lower Upper
106 100
91 211.3 162.9 244.3

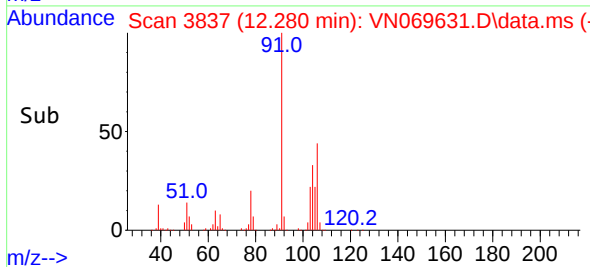
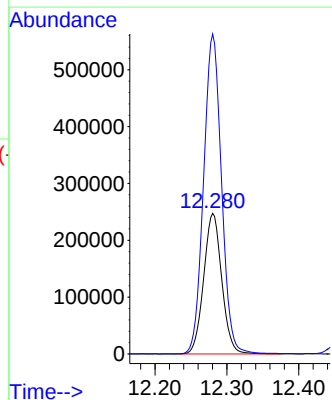
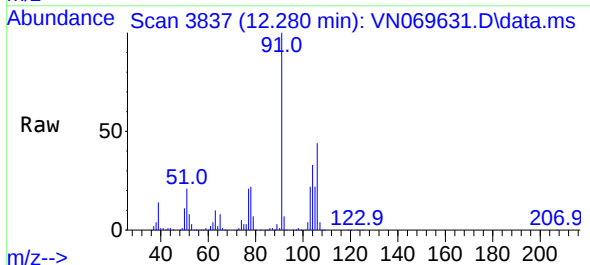
Manual Integrations
APPROVED

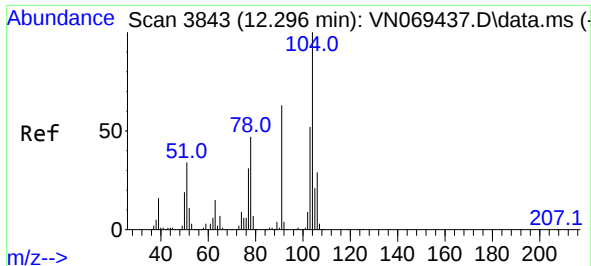
Reviewed By :John Carlone 11/24/2021
Supervised By :Mahesh Dadoda 11/26/2021



#68
o-Xylene
Concen: 20.368 ug/l
RT: 12.280 min Scan# 3837
Delta R.T. -0.003 min
Lab File: VN069631.D
Acq: 23 Nov 2021 17:21

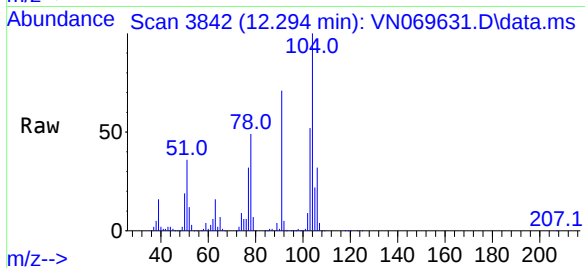
Tgt Ion:106 Resp: 432849
Ion Ratio Lower Upper
106 100
91 225.5 107.7 323.1





#69
Styrene
Concen: 20.013 ug/l
RT: 12.294 min Scan# 3842
Delta R.T. -0.003 min
Lab File: VN069631.D
Acq: 23 Nov 2021 17:21

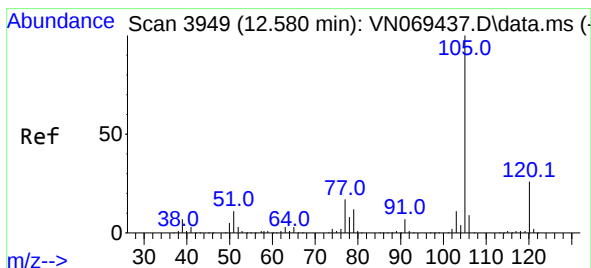
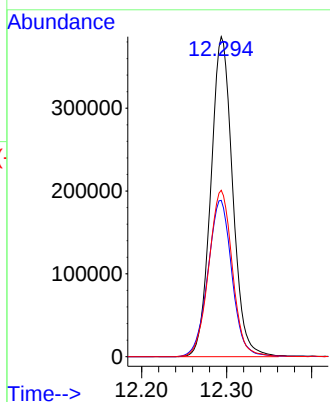
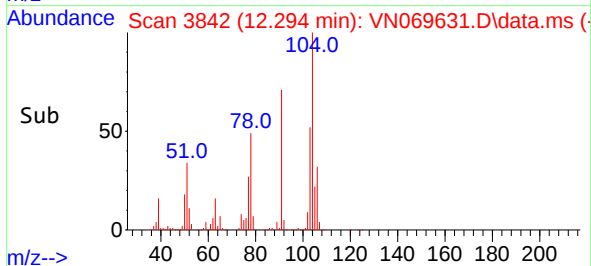
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



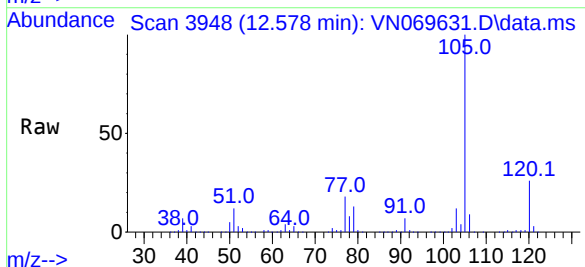
Tgt Ion:104 Resp: 689528
Ion Ratio Lower Upper
104 100
78 53.9 40.7 61.1
103 56.2 45.8 68.8

Manual Integrations
APPROVED

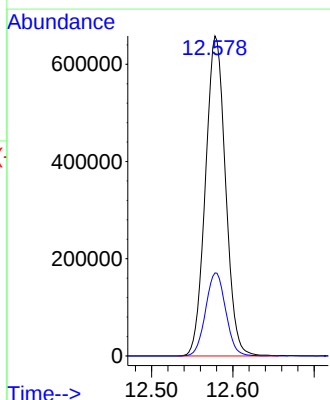
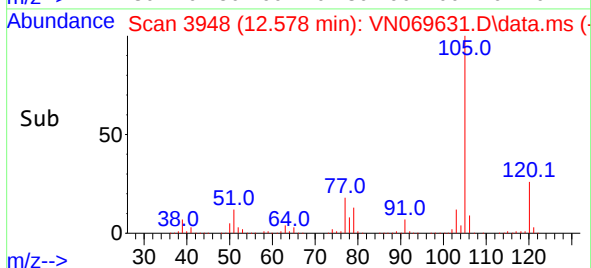
Reviewed By :John Carlone 11/24/2021
Supervised By :Mahesh Dadoda 11/26/2021

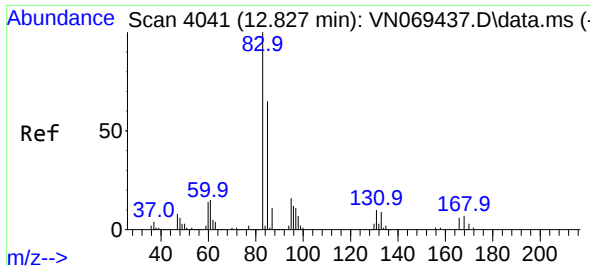


#70
Isopropylbenzene
Concen: 20.322 ug/l
RT: 12.578 min Scan# 3948
Delta R.T. -0.003 min
Lab File: VN069631.D
Acq: 23 Nov 2021 17:21



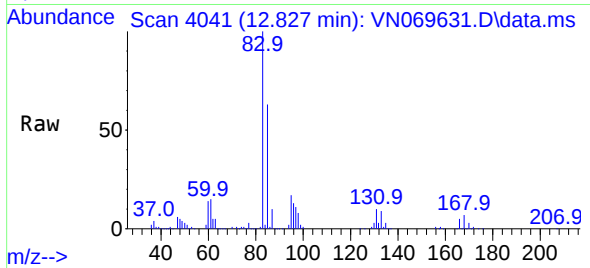
Tgt Ion:105 Resp: 1129474
Ion Ratio Lower Upper
105 100
120 26.0 18.3 34.1





#71
1,1,2,2-Tetrachloroethane
Concen: 20.404 ug/l
RT: 12.827 min Scan# 4041
Delta R.T. -0.003 min
Lab File: VN069631.D
Acq: 23 Nov 2021 17:21

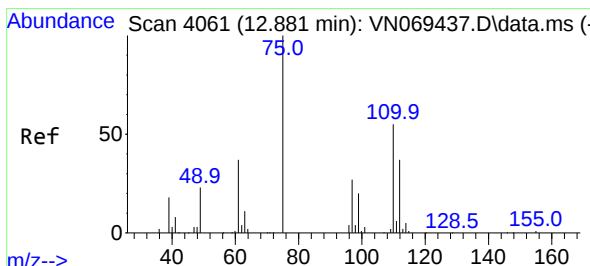
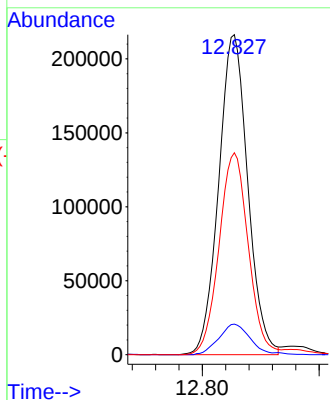
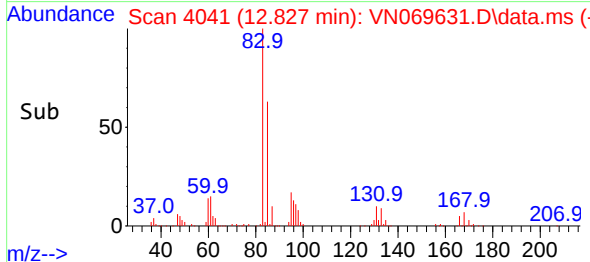
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



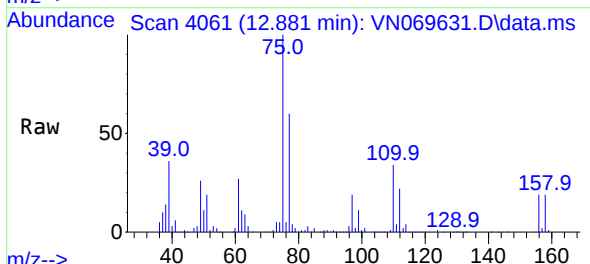
Tgt Ion: 83 Resp: 374200
Ion Ratio Lower Upper
83 100
131 10.1 5.1 15.3
85 63.4 33.1 99.2

Manual Integrations
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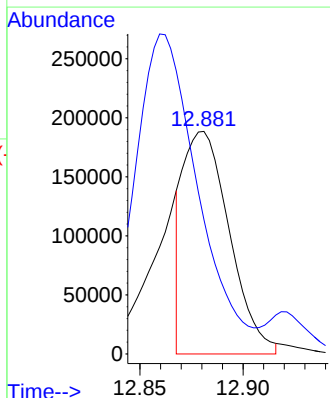
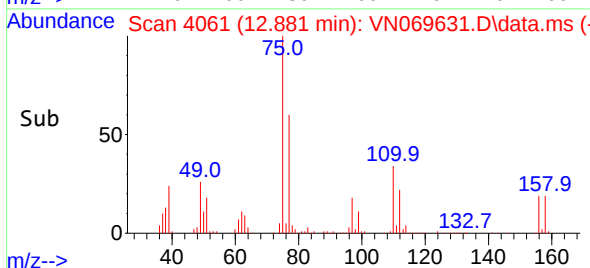
Reviewed By :John Carlone 11/24/2021
Supervised By :Mahesh Dadoda 11/26/2021

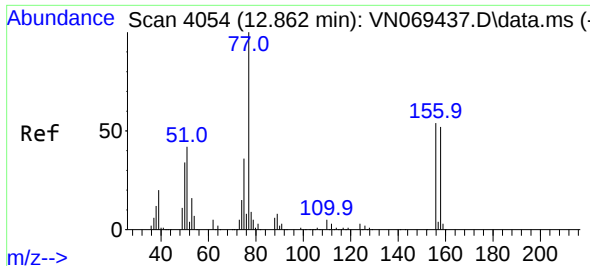


#72
1,2,3-Trichloropropane
Concen: 16.443 ug/l m
RT: 12.881 min Scan# 4061
Delta R.T. 0.000 min
Lab File: VN069631.D
Acq: 23 Nov 2021 17:21



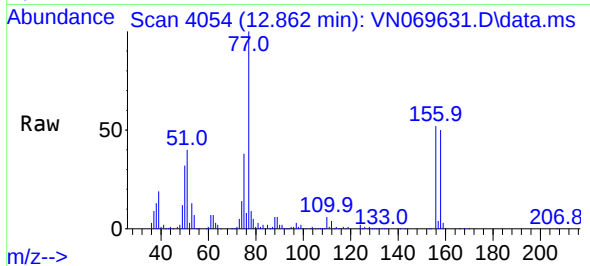
Tgt Ion: 75 Resp: 293766
Ion Ratio Lower Upper
75 100
77 196.5 0.0 378.0





#73
Bromobenzene
Concen: 20.225 ug/l
RT: 12.862 min Scan# 4054
Delta R.T. 0.000 min
Lab File: VN069631.D
Acq: 23 Nov 2021 17:21

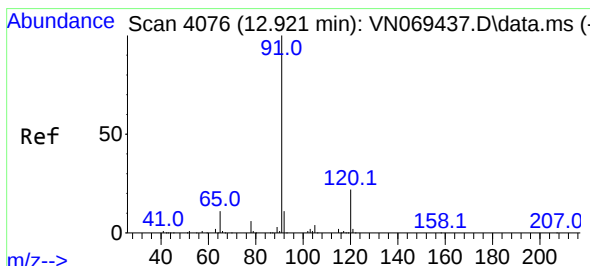
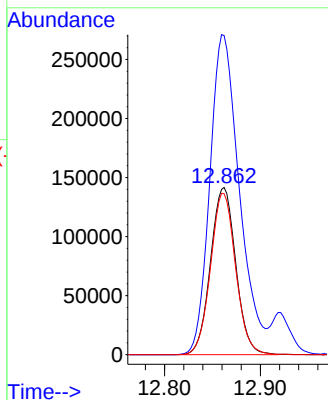
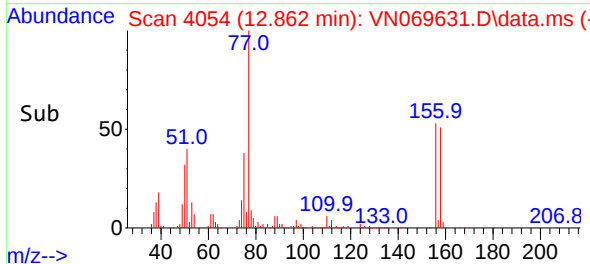
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



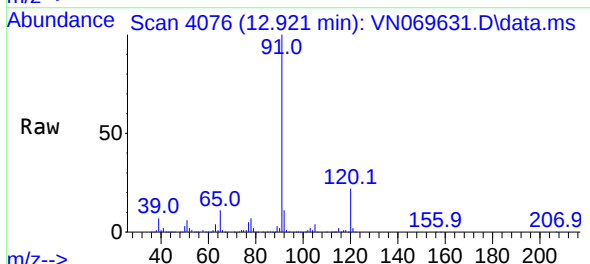
Tgt Ion:156 Resp: 259110
Ion Ratio Lower Upper
156 100
77 222.7 0.0 416.0
158 96.0 0.0 195.4

Manual Integrations
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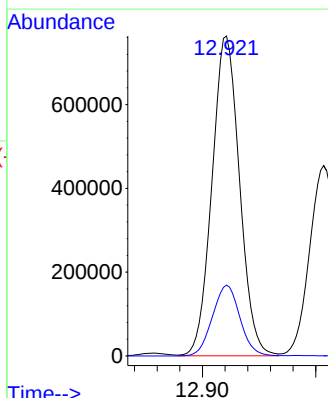
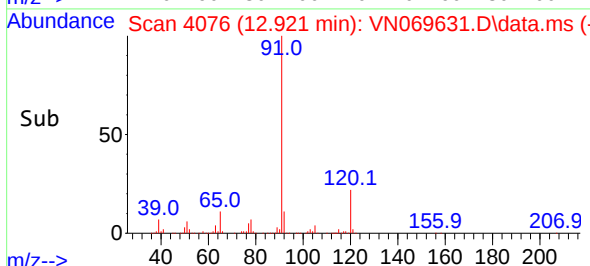
Reviewed By :John Carlone 11/24/2021
Supervised By :Mahesh Dadoda 11/26/2021

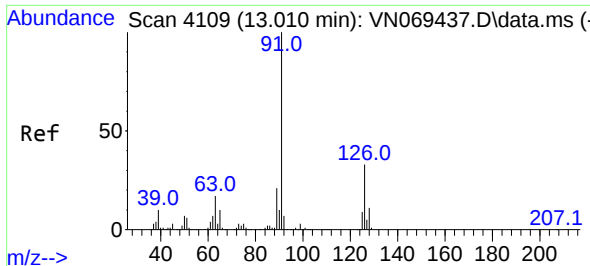


#74
n-propylbenzene
Concen: 20.200 ug/l
RT: 12.921 min Scan# 4076
Delta R.T. 0.000 min
Lab File: VN069631.D
Acq: 23 Nov 2021 17:21



Tgt Ion: 91 Resp: 1289319
Ion Ratio Lower Upper
91 100
120 22.1 0.0 45.0





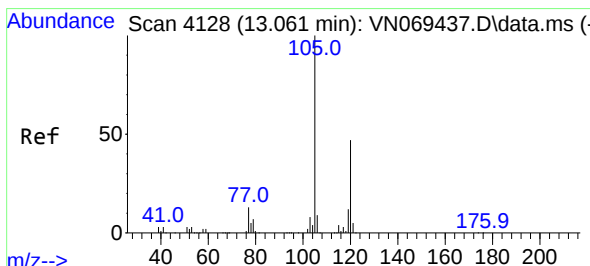
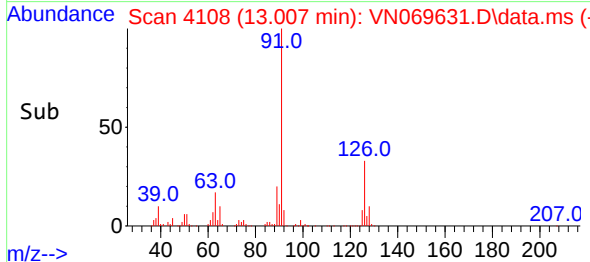
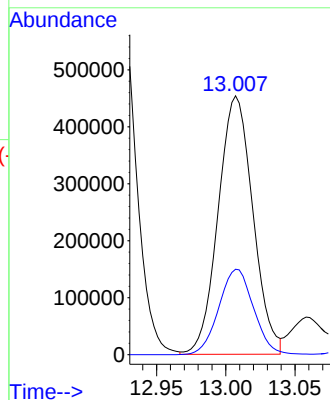
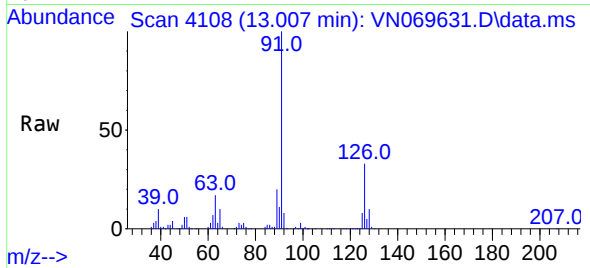
#75
2-Chlorotoluene
Concen: 20.410 ug/l
RT: 13.007 min Scan# 4109
Delta R.T. -0.003 min
Lab File: VN069631.D
Acq: 23 Nov 2021 17:21

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tgt Ion: 91 Resp: 79304
Ion Ratio Lower Upper
91 100
126 33.1 0.0 69.8

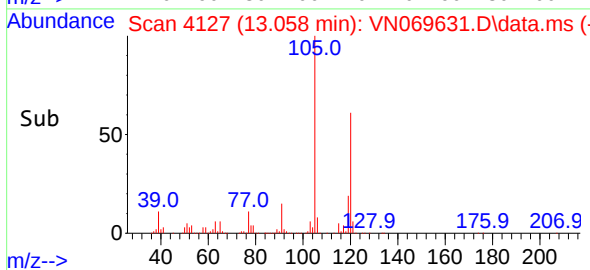
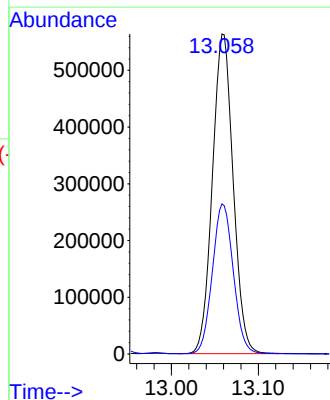
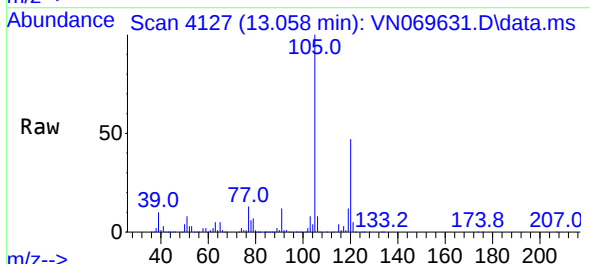
Manual Integrations
APPROVED

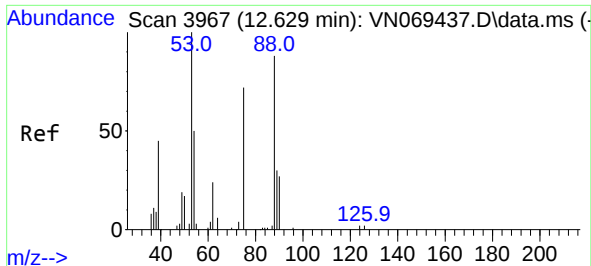
Reviewed By :John Carlone 11/24/2021
Supervised By :Mahesh Dadoda 11/26/2021



#76
1,3,5-Trimethylbenzene
Concen: 20.476 ug/l
RT: 13.058 min Scan# 4127
Delta R.T. -0.003 min
Lab File: VN069631.D
Acq: 23 Nov 2021 17:21

Tgt Ion:105 Resp: 934052
Ion Ratio Lower Upper
105 100
120 47.4 0.0 93.8





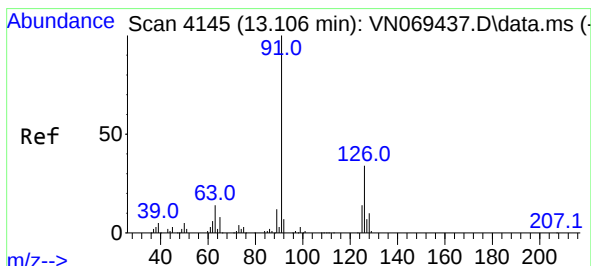
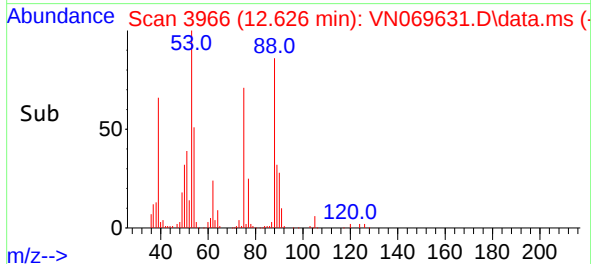
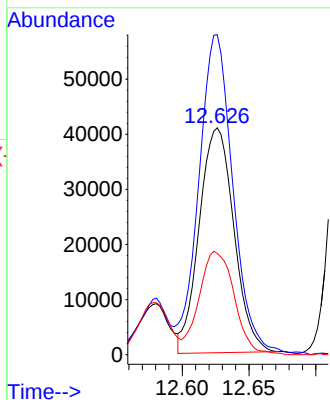
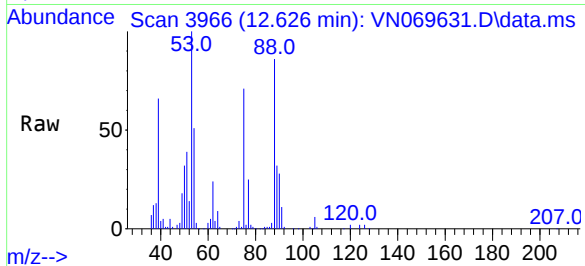
#77
t-1,4-Dichloro-2-butene
Concen: 15.294 ug/l
RT: 12.626 min Scan# 3967
Delta R.T. -0.003 min
Lab File: VN069631.D
Acq: 23 Nov 2021 17:21

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tgt Ion: 75 Resp: 73754
Ion Ratio Lower Upper
75 100
53 140.4 51.8 155.5
89 44.6 22.9 68.7

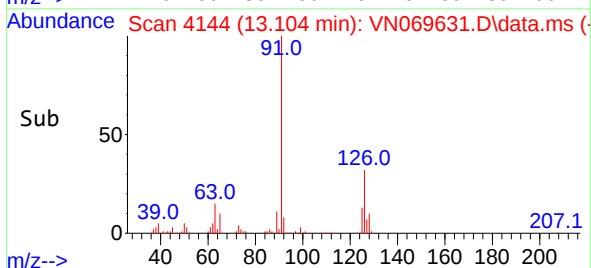
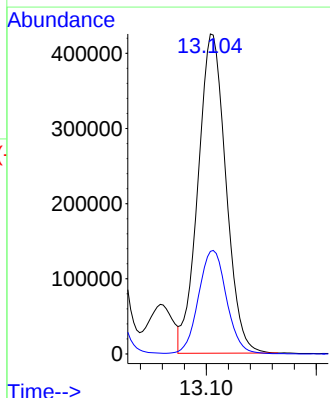
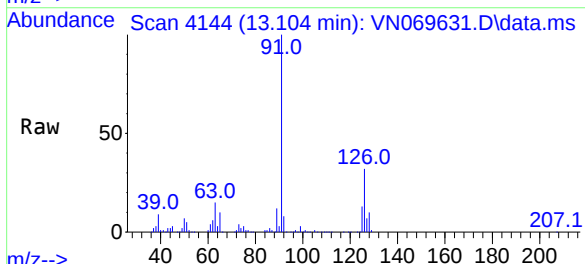
Manual Integrations
APPROVED

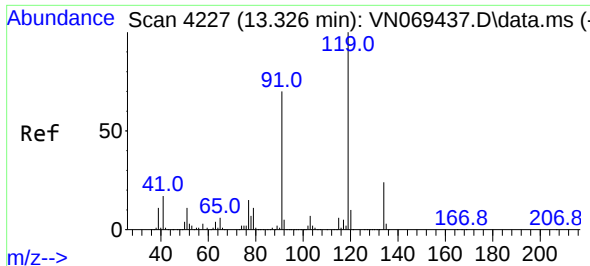
Reviewed By :John Carlone 11/24/2021
Supervised By :Mahesh Dadoda 11/26/2021



#78
4-Chlorotoluene
Concen: 20.079 ug/l
RT: 13.104 min Scan# 4144
Delta R.T. -0.003 min
Lab File: VN069631.D
Acq: 23 Nov 2021 17:21

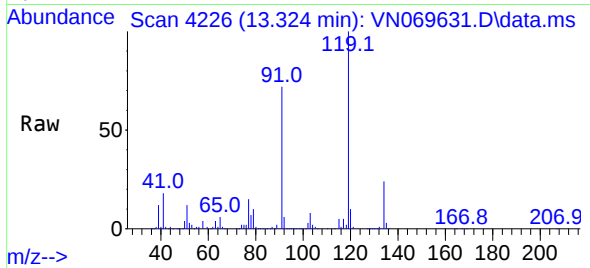
Tgt Ion: 91 Resp: 747145
Ion Ratio Lower Upper
91 100
126 32.5 0.0 70.6





#79
tert-butylbenzene
Concen: 20.118 ug/l
RT: 13.324 min Scan# 41
Delta R.T. -0.003 min
Lab File: VN069631.D
Acq: 23 Nov 2021 17:21

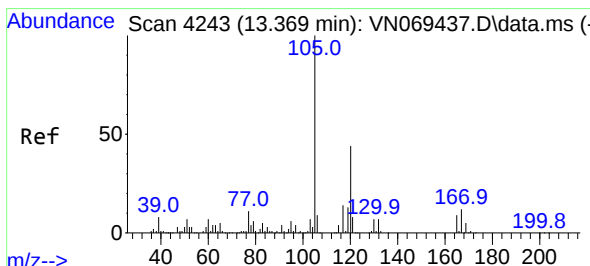
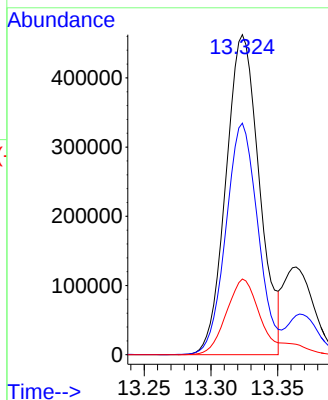
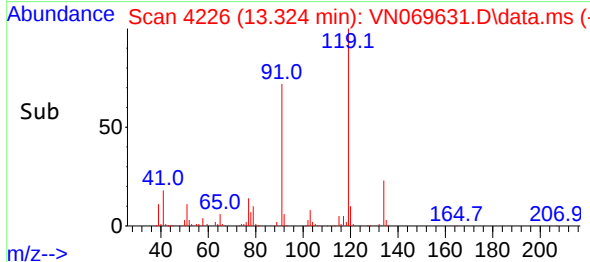
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



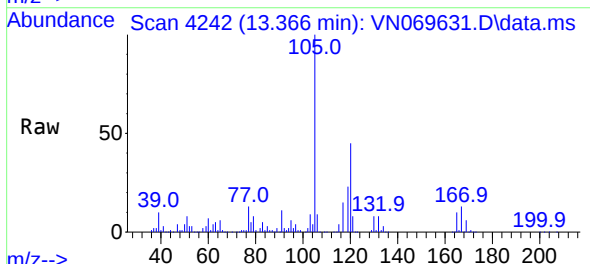
Tgt Ion:119 Resp: 807284
Ion Ratio Lower Upper
119 100
91 69.9 0.0 137.0
134 25.9 0.0 47.6

Manual Integrations
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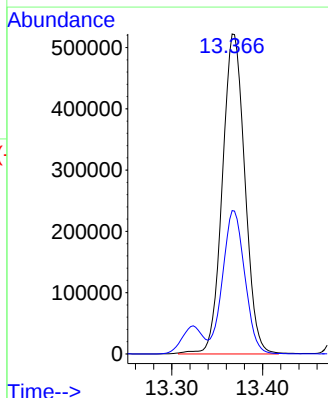
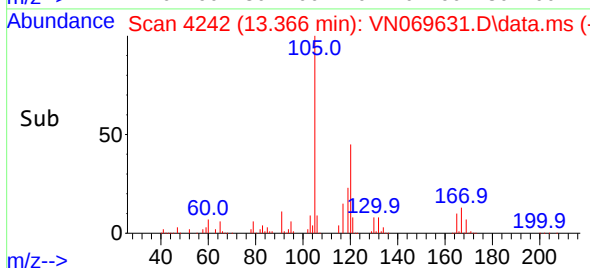
Reviewed By :John Carlone 11/24/2021
Supervised By :Mahesh Dadoda 11/26/2021

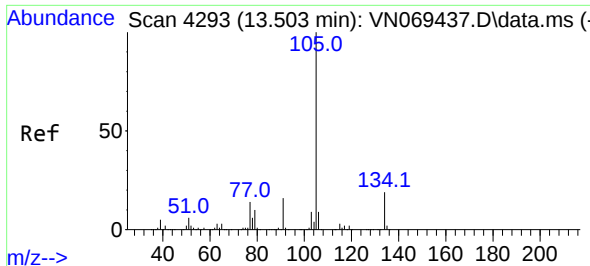


#80
1,2,4-Trimethylbenzene
Concen: 20.172 ug/l m
RT: 13.366 min Scan# 4242
Delta R.T. -0.003 min
Lab File: VN069631.D
Acq: 23 Nov 2021 17:21



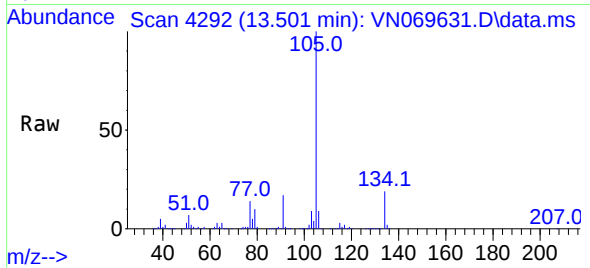
Tgt Ion:105 Resp: 897645
Ion Ratio Lower Upper
105 100
120 0.2 0.0 0.2





#81
 sec-Butylbenzene
 Concen: 19.977 ug/l
 RT: 13.501 min Scan# 4292
 Delta R.T. -0.003 min
 Lab File: VN069631.D
 Acq: 23 Nov 2021 17:21

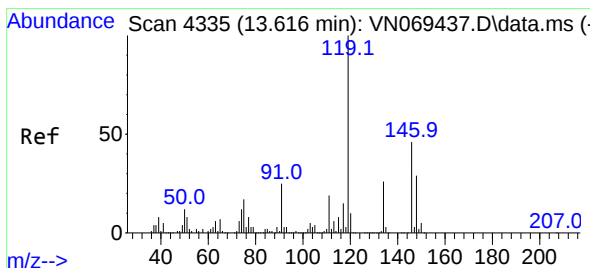
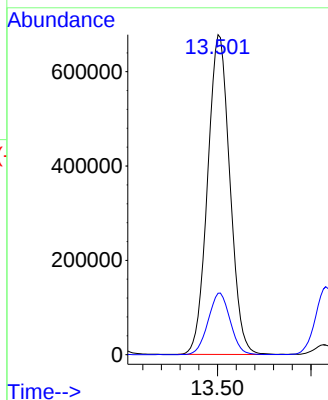
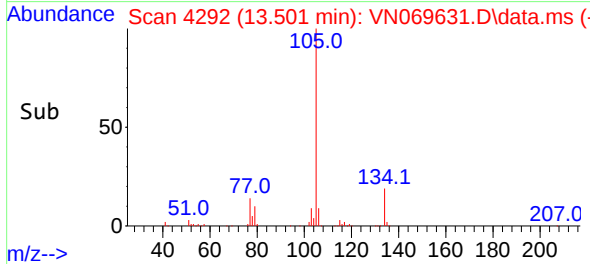
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC



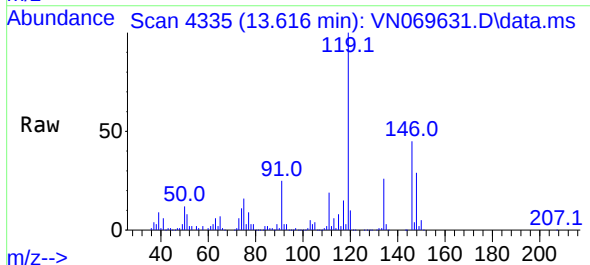
Tgt Ion:105 Resp: 1121600
 Ion Ratio Lower Upper
 105 100
 134 19.2 0.0 39.4

Manual Integrations
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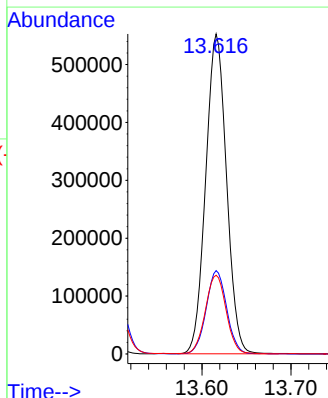
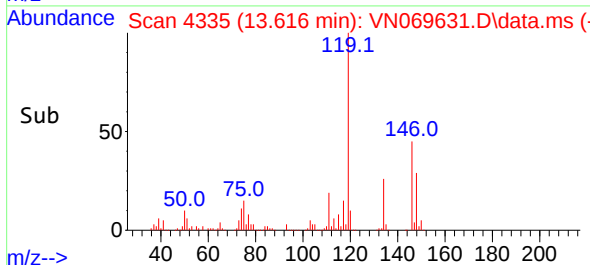
Reviewed By :John Carlone 11/24/2021
 Supervised By :Mahesh Dadoda 11/26/2021

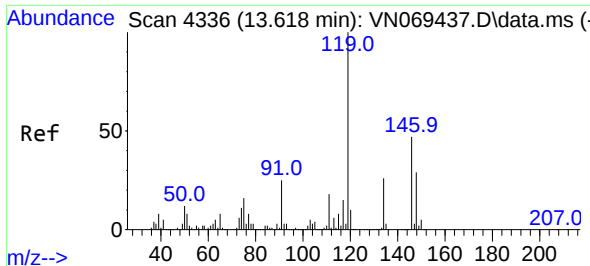


#82
 p-Isopropyltoluene
 Concen: 20.015 ug/l
 RT: 13.616 min Scan# 4335
 Delta R.T. -0.003 min
 Lab File: VN069631.D
 Acq: 23 Nov 2021 17:21



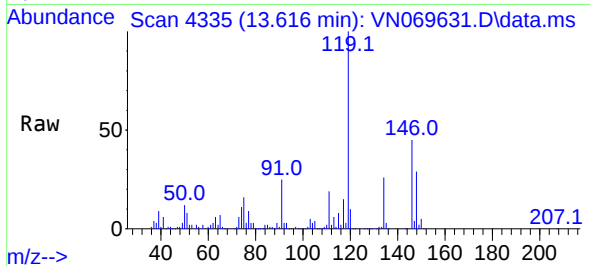
Tgt Ion:119 Resp: 896603
 Ion Ratio Lower Upper
 119 100
 134 25.8 0.0 51.8
 91 24.5 0.0 50.4





#83
1,3-Dichlorobenzene
Concen: 20.122 ug/l
RT: 13.616 min Scan# 4336
Delta R.T. -0.003 min
Lab File: VN069631.D
Acq: 23 Nov 2021 17:21

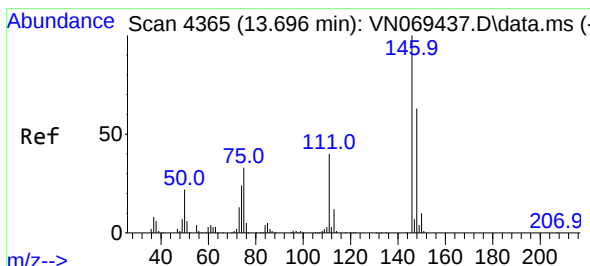
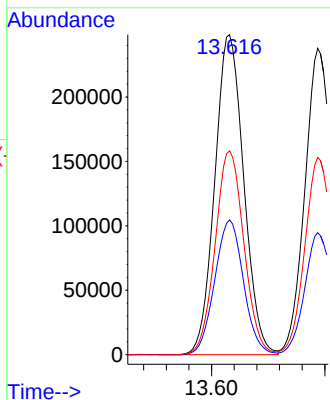
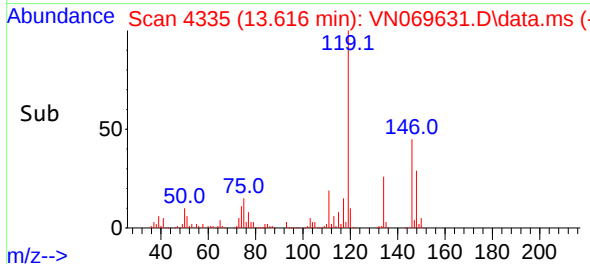
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



Tgt Ion:146 Resp: 44075
Ion Ratio Lower Upper
146 100
111 41.9 20.8 62.2
148 63.3 31.4 94.3

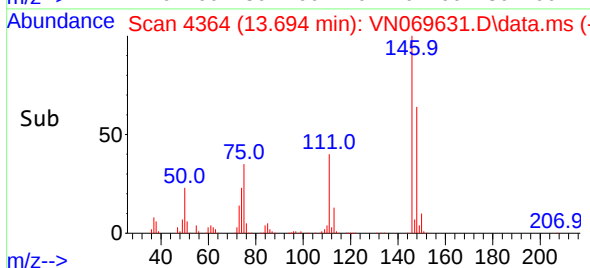
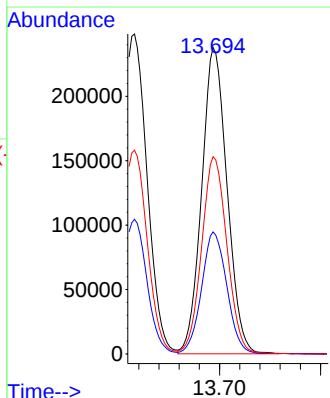
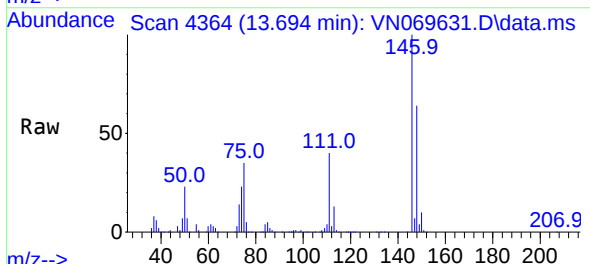
Manual Integrations
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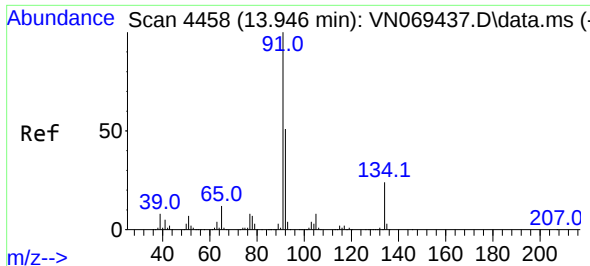
Reviewed By :John Carlone 11/24/2021
Supervised By :Mahesh Dadoda 11/26/2021



#84
1,4-Dichlorobenzene
Concen: 19.554 ug/l
RT: 13.694 min Scan# 4364
Delta R.T. -0.003 min
Lab File: VN069631.D
Acq: 23 Nov 2021 17:21

Tgt Ion:146 Resp: 415522
Ion Ratio Lower Upper
146 100
111 39.7 19.5 58.5
148 64.5 31.1 93.5





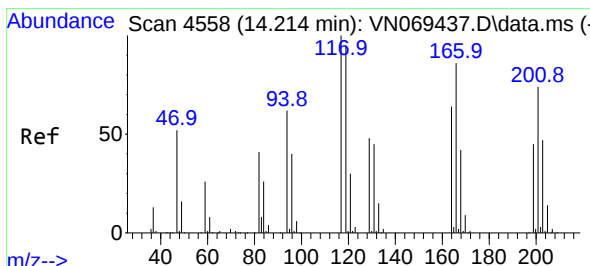
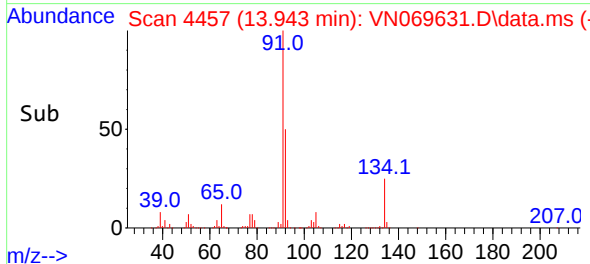
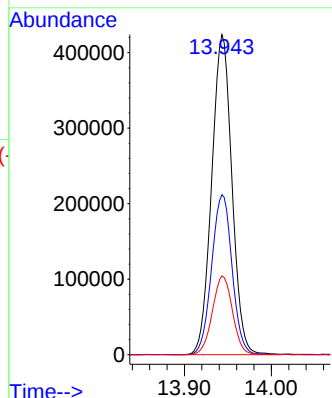
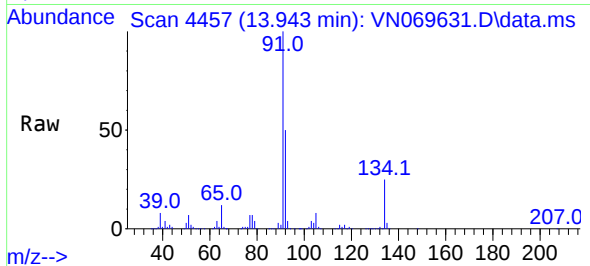
#85
n-Butylbenzene
Concen: 18.333 ug/l
RT: 13.943 min Scan# 4457
Delta R.T. 0.000 min
Lab File: VN069631.D
Acq: 23 Nov 2021 17:21

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tgt Ion: 91 Resp: 68542
Ion Ratio Lower Upper
91 100
92 50.5 0.0 100.6
134 24.5 0.0 50.2

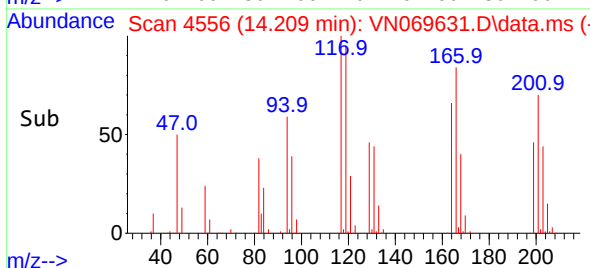
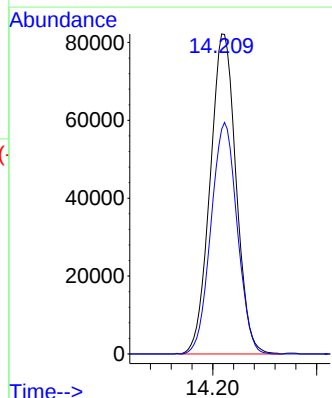
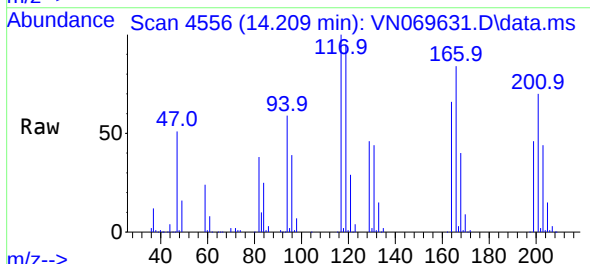
Manual Integrations
APPROVED

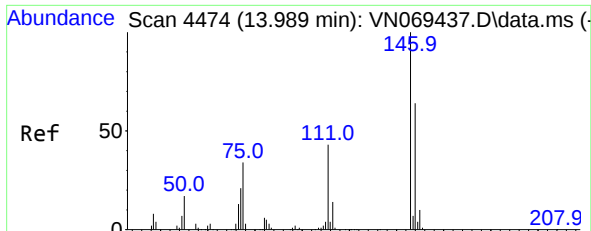
Reviewed By :John Carlone 11/24/2021
Supervised By :Mahesh Dadoda 11/26/2021



#86
Hexachloroethane
Concen: 19.239 ug/l
RT: 14.209 min Scan# 4556
Delta R.T. -0.005 min
Lab File: VN069631.D
Acq: 23 Nov 2021 17:21

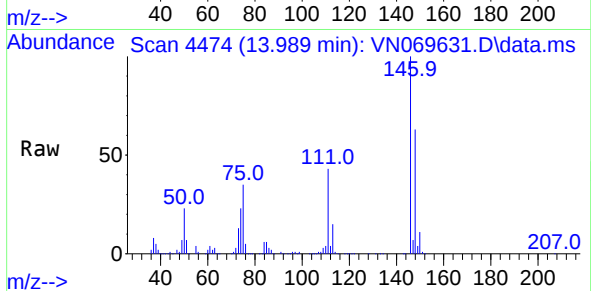
Tgt Ion:117 Resp: 142640
Ion Ratio Lower Upper
117 100
201 73.0 33.3 99.8





#87
1,2-Dichlorobenzene
Concen: 20.039 ug/l
RT: 13.989 min Scan# 4474
Delta R.T. -0.003 min
Lab File: VN069631.D
Acq: 23 Nov 2021 17:21

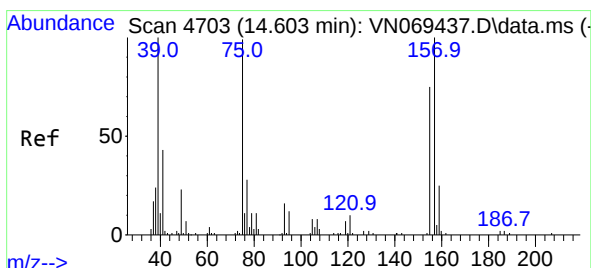
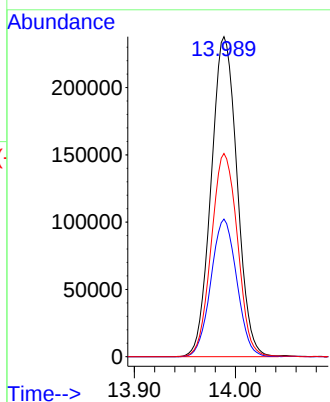
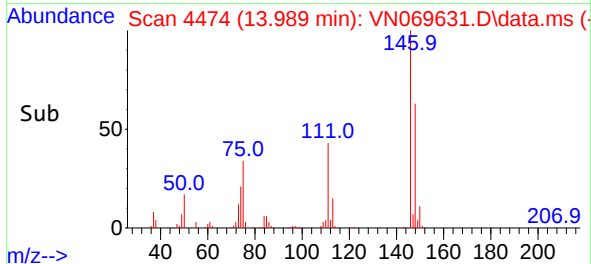
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



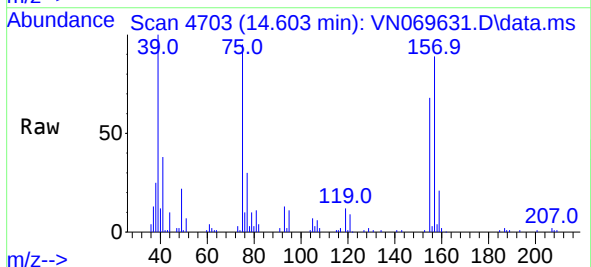
Tgt Ion:146 Resp: 42363
Ion Ratio Lower Upper
146 100
111 43.0 21.4 64.2
148 64.3 32.5 97.4

Manual Integrations
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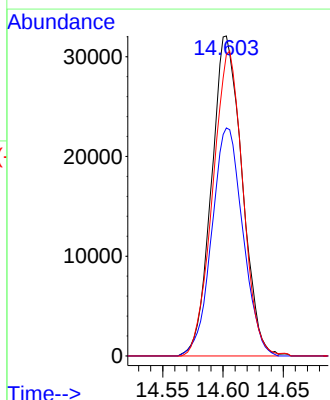
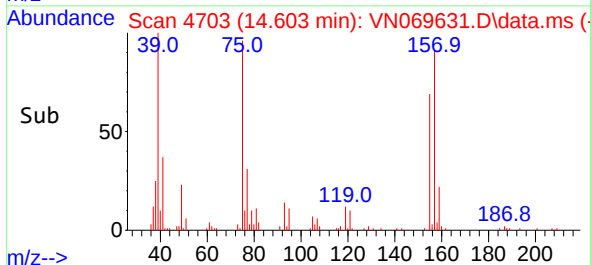
Reviewed By :John Carlone 11/24/2021
Supervised By :Mahesh Dadoda 11/26/2021

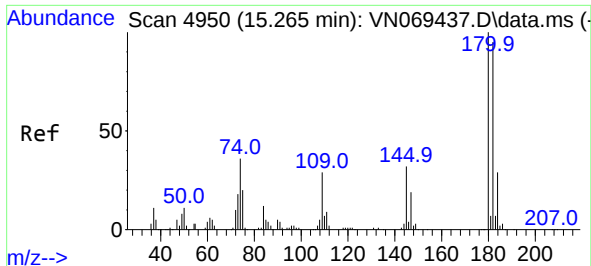


#88
1,2-Dibromo-3-Chloropropane
Concen: 17.627 ug/l
RT: 14.603 min Scan# 4703
Delta R.T. -0.003 min
Lab File: VN069631.D
Acq: 23 Nov 2021 17:21



Tgt Ion: 75 Resp: 56590
Ion Ratio Lower Upper
75 100
155 72.5 63.8 95.8
157 93.7 77.9 116.9





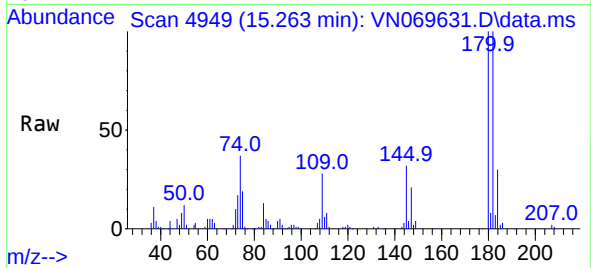
#89
1,2,4-Trichlorobenzene
Concen: 16.213 ug/l
RT: 15.263 min Scan# 4949
Delta R.T. -0.003 min
Lab File: VN069631.D
Acq: 23 Nov 2021 17:21

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

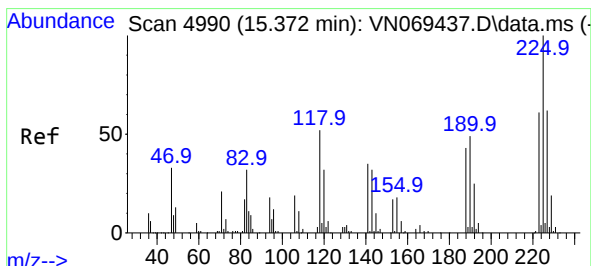
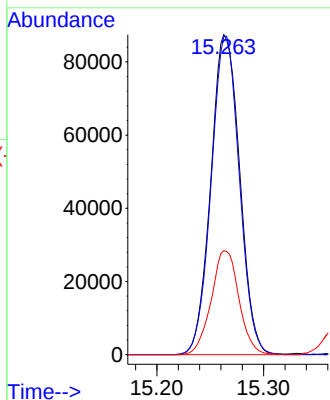
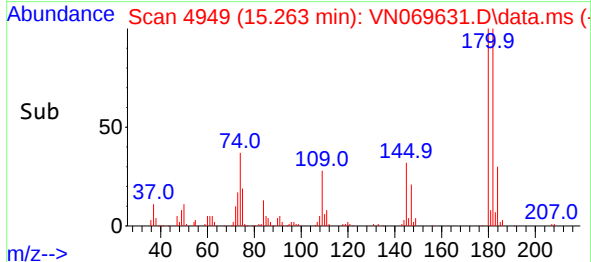


Tgt Ion:180 Resp: 16434
Ion Ratio Lower Upper
180 100
182 97.0 77.7 116.5
145 31.2 26.6 39.8

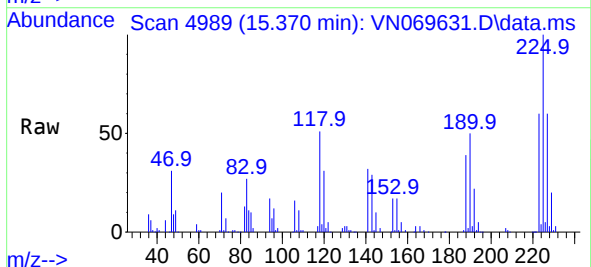
Manual Integrations

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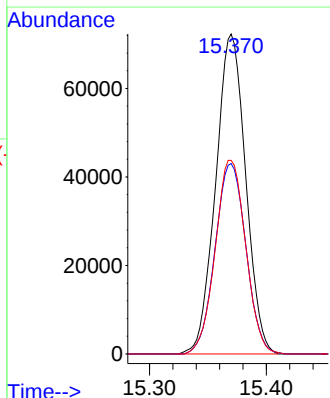
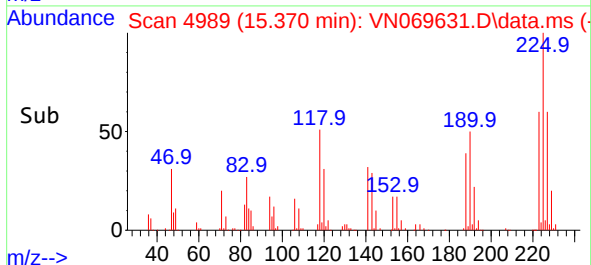
Reviewed By :John Carlone 11/24/2021
Supervised By :Mahesh Dadoda 11/26/2021

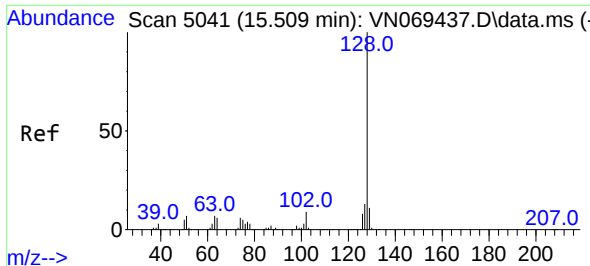


#90
Hexachlorobutadiene
Concen: 23.514 ug/l
RT: 15.370 min Scan# 4989
Delta R.T. -0.003 min
Lab File: VN069631.D
Acq: 23 Nov 2021 17:21



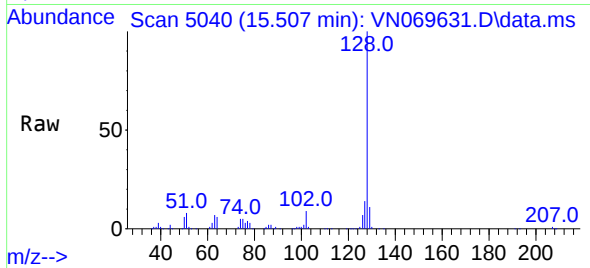
Tgt Ion:225 Resp: 128888
Ion Ratio Lower Upper
225 100
223 61.1 0.0 126.8
227 61.5 0.0 123.0





#91
Naphthalene
Concen: 12.389 ug/l
RT: 15.507 min Scan# 5041
Delta R.T. 0.000 min
Lab File: VN069631.D
Acq: 23 Nov 2021 17:21

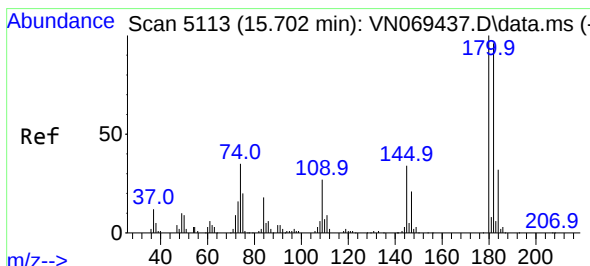
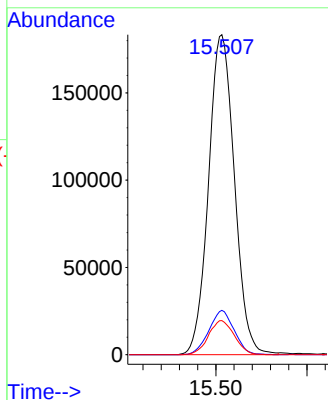
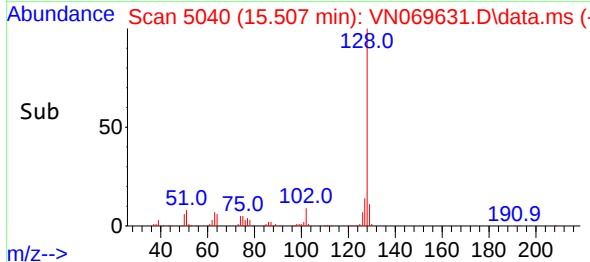
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



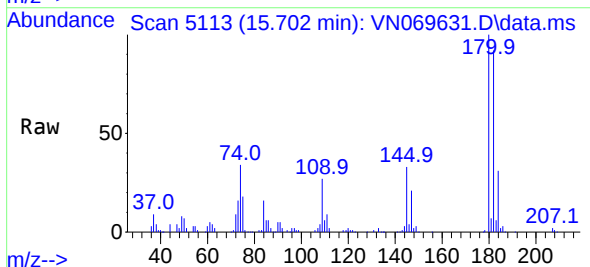
Tgt Ion:128 Resp: 361764
Ion Ratio Lower Upper
128 100
127 13.5 10.7 16.1
129 10.7 9.0 13.6

Manual Integrations
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Reviewed By :John Carlone 11/24/2021
Supervised By :Mahesh Dadoda 11/26/2021



#92
1,2,3-Trichlorobenzene
Concen: 16.011 ug/l
RT: 15.702 min Scan# 5113
Delta R.T. 0.000 min
Lab File: VN069631.D
Acq: 23 Nov 2021 17:21



Tgt Ion:180 Resp: 159545
Ion Ratio Lower Upper
180 100
182 94.9 0.0 190.0
145 33.2 0.0 67.8

