

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN042123\
 Data File : VN077419.D
 Acq On : 21 Apr 2023 11:11
 Operator : JC\MD
 Sample : VN0421WBSD01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0421WBSD01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 04/24/2023
 Supervised By : Mahesh Dadoda 04/24/2023

Quant Time: Apr 22 02:39:18 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N040723W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Apr 07 13:04:49 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	7.819	128	55527	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.107	114	412090	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.865	117	452822	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.583	65	148237	31.478	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	104.933%
60) 4-Bromofluorobenzene	12.854	95	227038	28.996	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	96.667%
63) Toluene-d8	10.571	98	459374	28.857	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	96.200%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.137	85	100721	19.080	ug/l	97
3) Chloromethane	2.372	50	91282	13.016	ug/l	96
4) Vinyl Chloride	2.525	62	120710	12.017	ug/l	97
5) Bromomethane	2.960	94	104449	13.799	ug/l	96
6) Chloroethane	3.131	64	90848	13.493	ug/l	90
7) Trichlorofluoromethane	3.507	101	176427	18.863	ug/l	95
8) Diethyl Ether	3.972	74	68317	17.136	ug/l	96
9) 1,1,2-Trichlorotrifluo...	4.378	101	112446	19.226	ug/l	99
10) 1,1-Dichloroethene	4.348	96	102736	17.559	ug/l	95
11) Methyl Iodide	4.601	142	130941	19.809	ug/l	97
12) Methyl Acetate	5.031	43	137913	15.821	ug/l	97
13) Acrolein	4.189	56	117840	108.906	ug/l	99
14) Acrylonitrile	5.731	53	233789	78.460	ug/l	98
15) Acetone	4.442	58	75958	70.266	ug/l	88
16) Carbon Disulfide	4.719	76	236529	15.316	ug/l #	93
17) Allyl chloride	5.037	41	109821	14.581	ug/l	91
18) Methylene Chloride	5.284	84	124980	18.394	ug/l	96
19) trans-1,2-Dichloroethene	5.801	96	114910	18.062	ug/l	98
20) Diisopropyl ether	6.678	45	283979	15.819	ug/l	96
21) 1,1-Dichloroethane	6.578	63	196309	17.253	ug/l	98
22) cis-1,2-Dichloroethene	7.489	96	141380	18.229	ug/l	97
23) tert-Butyl Alcohol	5.525	59	94697	71.473	ug/l #	100
24) Methyl tert-Butyl Ether	5.807	73	386604	18.353	ug/l #	84
25) Chloroform	7.972	83	229892	18.643	ug/l	98
26) Cyclohexane	8.260	56	157569	15.937	ug/l #	94
29) 1,1-Dichloropropene	8.377	75	155892	17.463	ug/l	96
30) 2-Butanone	7.489	43	298722	70.762	ug/l	95
31) 2,2-Dichloropropane	7.495	77	194354	17.735	ug/l	100
32) 1,1,1-Trichloroethane	8.177	97	213178	19.404	ug/l	97
33) Carbon Tetrachloride	8.372	117	175913	18.761	ug/l	91
34) Benzene	8.613	78	489918	17.737	ug/l	96
35) Methacrylonitrile	7.783	41	62209	15.643	ug/l	94
36) 1,2-Dichloroethane	8.672	62	171136	19.762	ug/l	98
37) Trichloroethene	9.354	130	125256	18.539	ug/l	96
38) Methylcyclohexane	9.607	83	206083	17.021	ug/l	98
39) 1,2-Dichloropropane	9.624	63	121216	17.678	ug/l	99
40) Dibromomethane	9.713	93	93609	18.947	ug/l	100
41) Bromodichloromethane	9.889	83	186575	18.939	ug/l	100
42) Vinyl Acetate	6.613	43	1101919m	90.190	ug/l	

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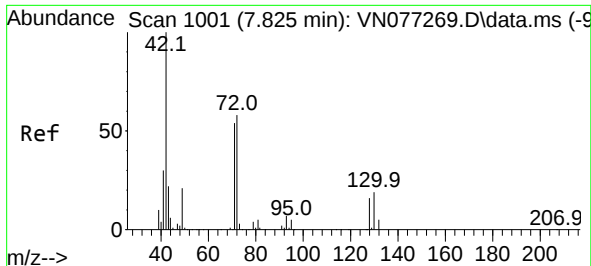
Manual Integrations
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Reviewed By : John Carlone 04/24/2023
 Supervised By : Mahesh Dadoda 04/24/2023

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 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Apr 07 13:04:49 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	7.566	43	117395	15.031	ug/l	97
44) Isopropyl Acetate	8.695	43	228573	16.345	ug/l #	100
45) 1,4-Dioxane	9.701	88	48494	328.815	ug/l	92
46) Methyl methacrylate	9.683	41	98764	16.404	ug/l	98
47) n-amyl Acetate	12.495	43	179410	14.681	ug/l	95
48) t-1,3-Dichloropropene	10.842	75	190268	17.257	ug/l	97
49) cis-1,3-Dichloropropene	10.313	75	210203	17.921	ug/l	95
50) 1,1,2-Trichloroethane	11.018	97	133510	18.605	ug/l	97
51) Ethyl methacrylate	10.877	69	189564	17.201	ug/l	95
52) 1,3-Dichloropropane	11.166	76	219882	18.359	ug/l	98
53) Dibromochloromethane	11.360	129	141262	18.677	ug/l	99
54) 1,2-Dibromoethane	11.471	107	134081	18.612	ug/l	97
55) 2-Chloroethyl vinyl ether	10.160	63	310490	91.255	ug/l	95
56) Bromoform	12.583	173	85329	16.795	ug/l	96
58) 4-Methyl-2-Pentanone	10.448	43	643150	75.858	ug/l	97
59) 2-Hexanone	11.195	43	468255	71.451	ug/l	99
61) Tetrachloroethene	11.107	164	98371	18.265	ug/l	97
62) Toluene	10.630	91	567065	17.948	ug/l	99
64) Chlorobenzene	11.895	112	345628	18.006	ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.965	131	128714	18.235	ug/l	98
66) Ethyl Benzene	11.965	91	620625	17.731	ug/l	100
67) m/p-Xylenes	12.077	106	486809	35.482	ug/l	100
68) o-Xylene	12.401	106	245092	17.856	ug/l	98
69) Styrene	12.413	104	385306	17.521	ug/l	99
70) Isopropylbenzene	12.701	105	625612	17.960	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.942	83	189573	17.771	ug/l	99
72) 1,2,3-Trichloropropane	12.995	75	156881m	21.635	ug/l	
73) Bromobenzene	12.983	156	131076	18.521	ug/l	91
74) n-propylbenzene	13.036	91	681066	17.671	ug/l	99
75) 2-Chlorotoluene	13.130	91	413429	17.906	ug/l	99
76) 1,3,5-Trimethylbenzene	13.177	105	476508	16.807	ug/l	99
77) t-1,4-Dichloro-2-butene	12.742	75	58379	15.806	ug/l	95
78) 4-Chlorotoluene	13.224	91	390583	17.903	ug/l	100
79) tert-butylbenzene	13.442	119	440782	17.864	ug/l	99
80) 1,2,4-Trimethylbenzene	13.489	105	446353	16.150	ug/l	99
81) sec-Butylbenzene	13.618	105	611235	17.345	ug/l	100
82) p-Isopropyltoluene	13.730	119	482937	17.106	ug/l	99
83) 1,3-Dichlorobenzene	13.736	146	239828	17.873	ug/l	99
84) 1,4-Dichlorobenzene	13.812	146	229642	17.640	ug/l	99
85) n-Butylbenzene	14.059	91	375215	16.083	ug/l	99
86) Hexachloroethane	14.336	117	100373	16.713	ug/l	97
87) 1,2-Dichlorobenzene	14.107	146	240362	18.281	ug/l	98
88) 1,2-Dibromo-3-Chloropr...	14.724	75	33426	16.352	ug/l	95
89) 1,2,4-Trichlorobenzene	15.371	180	58127	11.239	ug/l	98
90) Hexachlorobutadiene	15.465	225	49444	18.641	ug/l	98
91) Naphthalene	15.589	128	214569	10.860	ug/l	99
92) 1,2,3-Trichlorobenzene	15.759	180	54749	10.849	ug/l	98

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



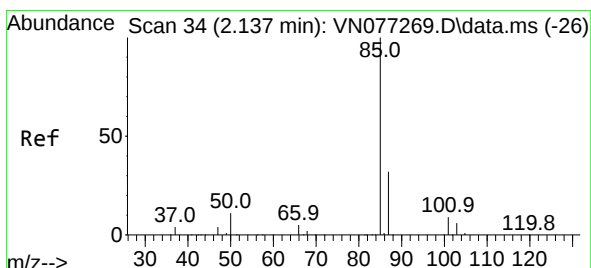
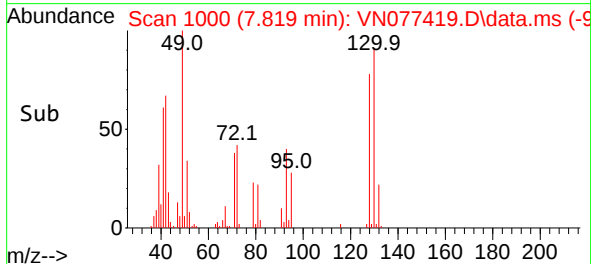
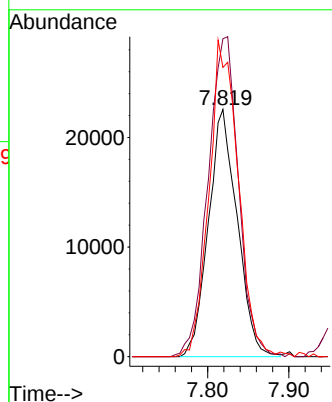
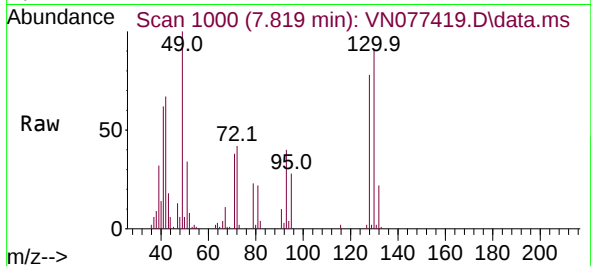
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Bromochloromethane
Concen: 30.000 ug/l
RT: 7.819 min Scan# 10
Delta R.T. -0.006 min
Lab File: VN077419.D
Acq: 21 Apr 2023 11:11

Instrument :
MSVOA_N
ClientSampleId :
VN0421WBSD01

Tgt Ion:128 Resp: 5552
Ion Ratio Lower Upper
128 100
49 137.3 0.0 379.5
130 129.6 0.0 322.8

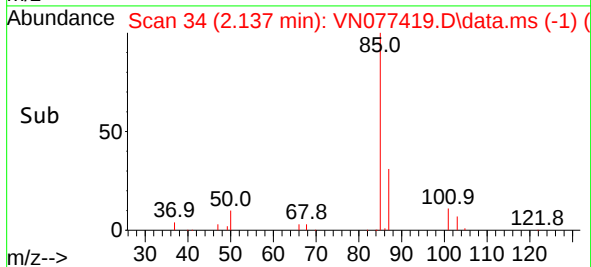
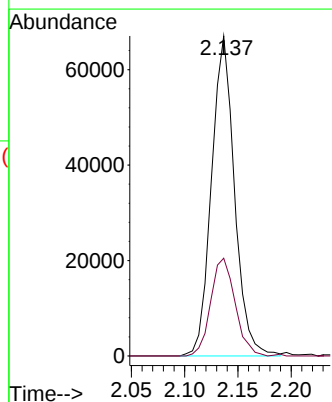
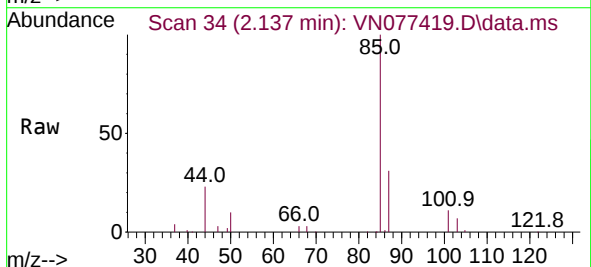
Manual Integrations
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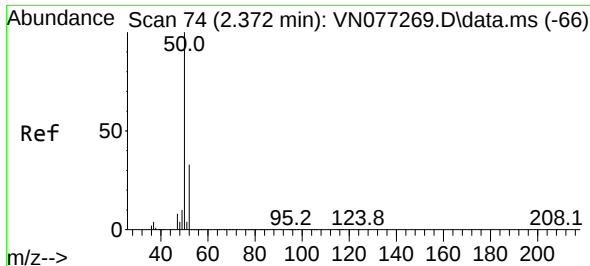
Reviewed By :John Carlone 04/24/2023
Supervised By :Mahesh Dadoda 04/24/2023



#2
Dichlorodifluoromethane
Concen: 19.080 ug/l
RT: 2.137 min Scan# 34
Delta R.T. -0.000 min
Lab File: VN077419.D
Acq: 21 Apr 2023 11:11

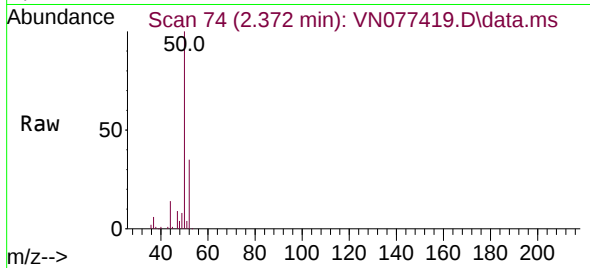
Tgt Ion: 85 Resp: 100721
Ion Ratio Lower Upper
85 100
87 30.6 16.2 48.6





#3
Chloromethane
Concen: 13.016 ug/l
RT: 2.372 min Scan# 74
Delta R.T. -0.000 min
Lab File: VN077419.D
Acq: 21 Apr 2023 11:11

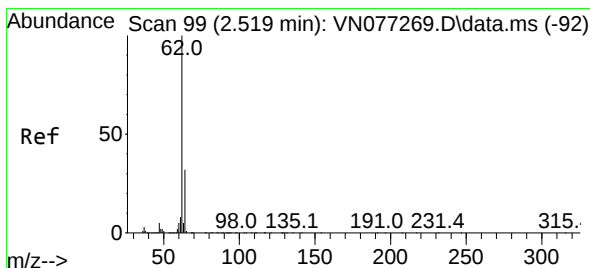
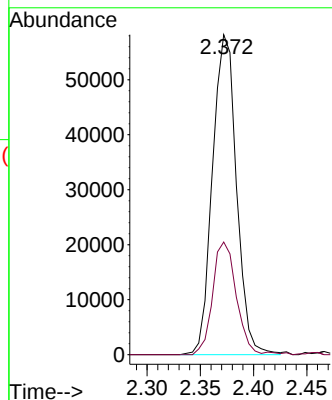
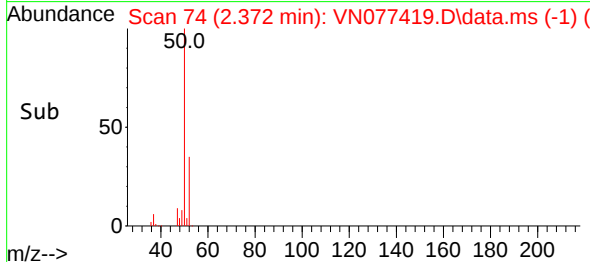
Instrument :
MSVOA_N
ClientSampleId :
VN0421WBSD01



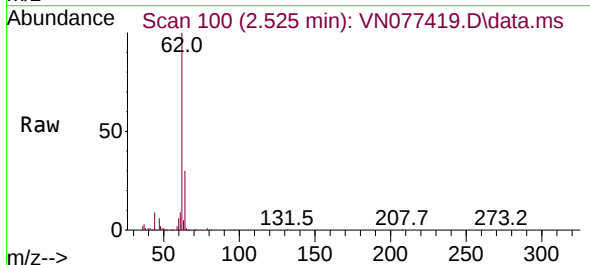
Tgt Ion: 50 Resp: 9128
Ion Ratio Lower Upper
50 100
52 35.2 26.4 39.6

Manual Integrations
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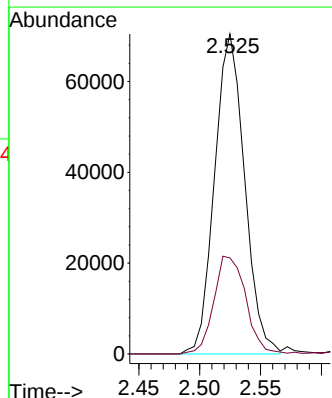
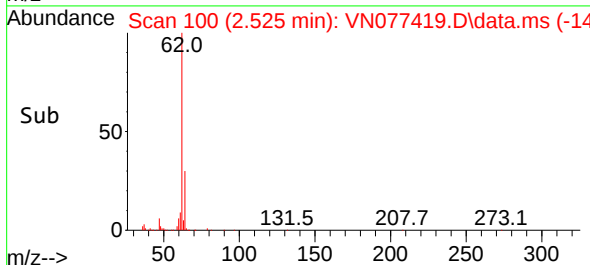
Reviewed By :John Carlone 04/24/2023
Supervised By :Mahesh Dadoda 04/24/2023

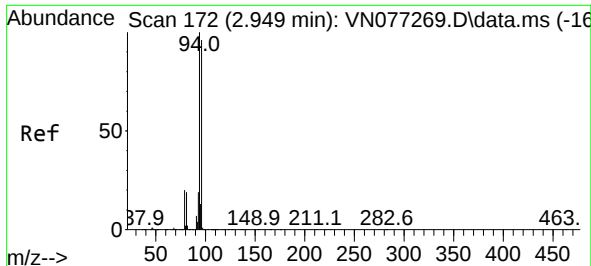


#4
Vinyl Chloride
Concen: 12.017 ug/l
RT: 2.525 min Scan# 100
Delta R.T. 0.006 min
Lab File: VN077419.D
Acq: 21 Apr 2023 11:11



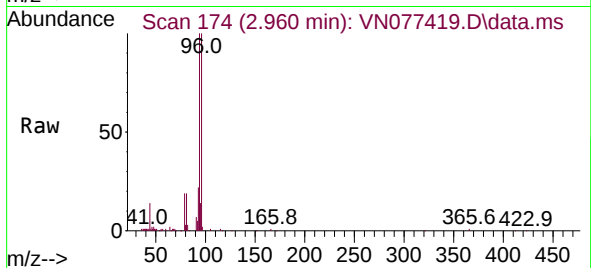
Tgt Ion: 62 Resp: 120710
Ion Ratio Lower Upper
62 100
64 30.0 25.4 38.0





#5
Bromomethane
Concen: 13.799 ug/l
RT: 2.960 min Scan# 172
Delta R.T. 0.011 min
Lab File: VN077419.D
Acq: 21 Apr 2023 11:11

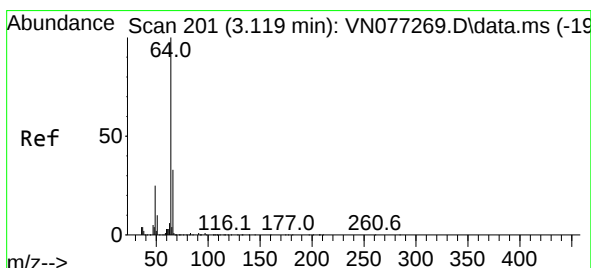
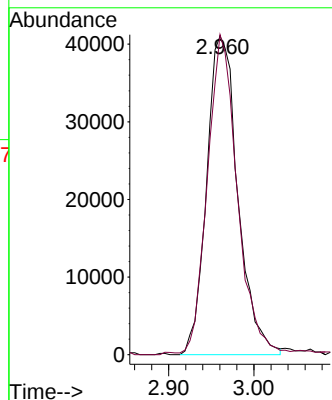
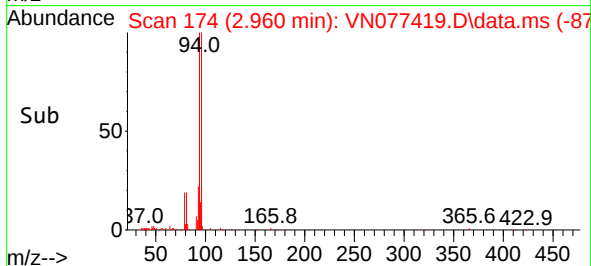
Instrument :
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ClientSampleId :
VN0421WBSD01



Tgt Ion: 94 Resp: 104449
Ion Ratio Lower Upper
94 100
96 99.9 77.0 115.6

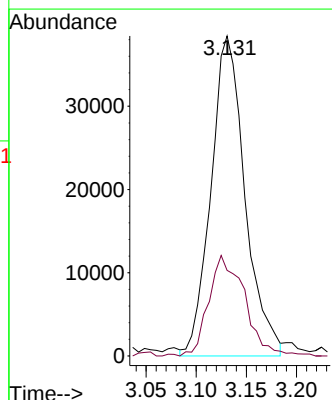
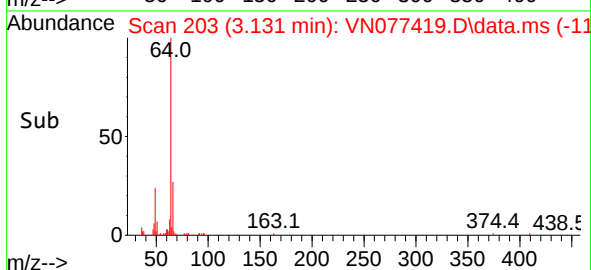
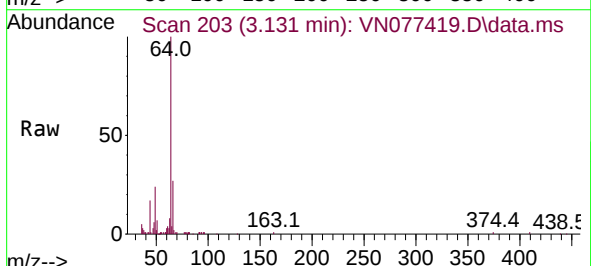
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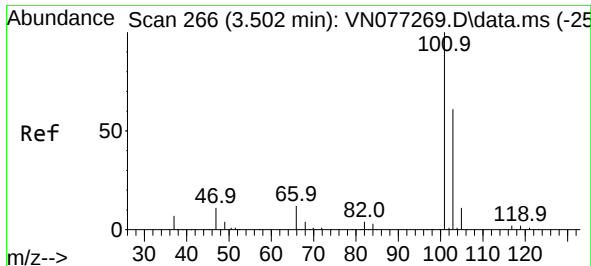
Reviewed By :John Carlone 04/24/2023
Supervised By :Mahesh Dadoda 04/24/2023



#6
Chloroethane
Concen: 13.493 ug/l
RT: 3.131 min Scan# 203
Delta R.T. 0.012 min
Lab File: VN077419.D
Acq: 21 Apr 2023 11:11

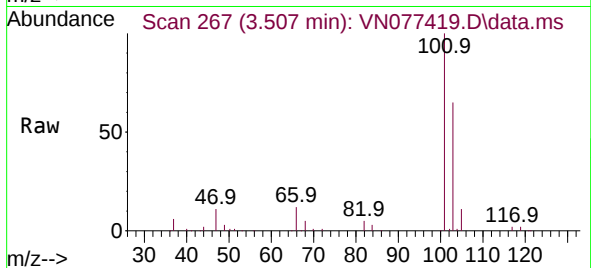
Tgt Ion: 64 Resp: 90848
Ion Ratio Lower Upper
64 100
66 26.7 25.7 38.5





#7
Trichlorofluoromethane
Concen: 18.863 ug/l
RT: 3.507 min Scan# 266
Delta R.T. 0.005 min
Lab File: VN077419.D
Acq: 21 Apr 2023 11:11

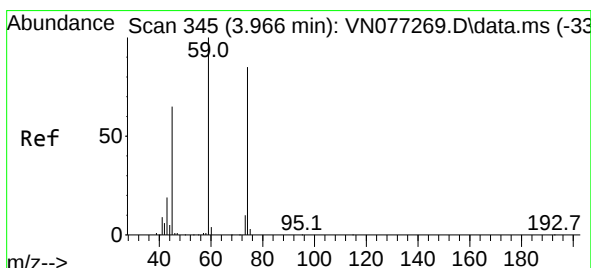
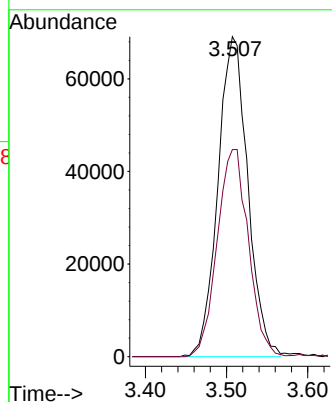
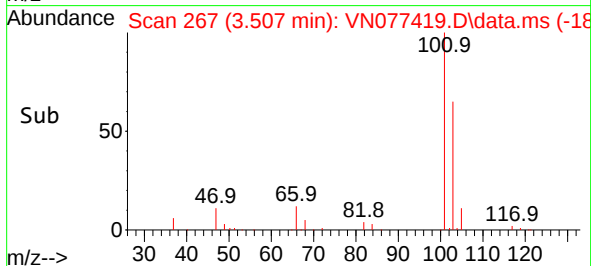
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Tgt Ion:101 Resp: 17642
Ion Ratio Lower Upper
101 100
103 64.7 48.9 73.3

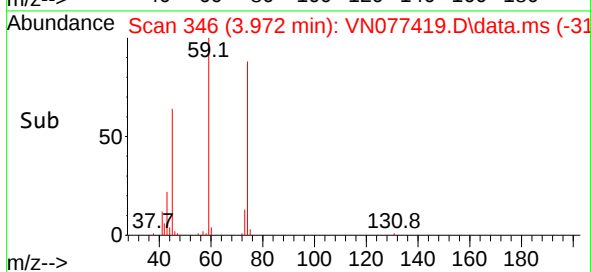
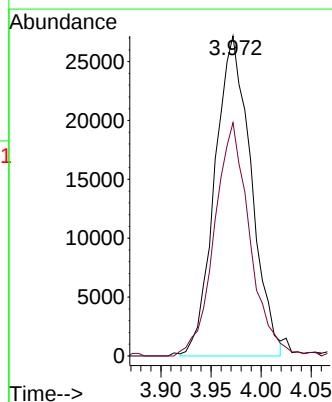
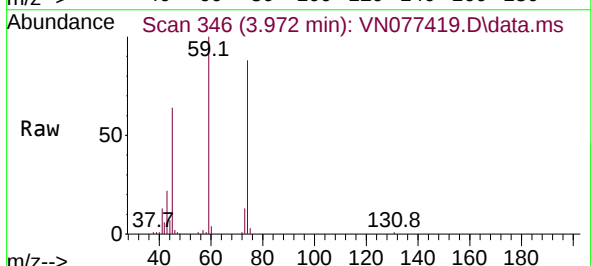
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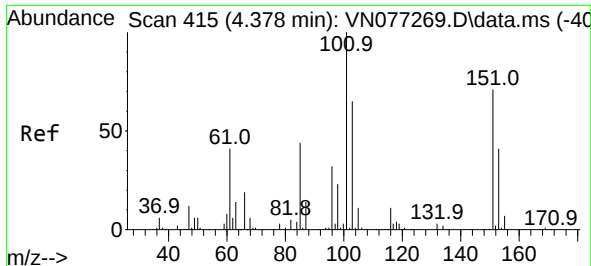
Reviewed By :John Carlone 04/24/2023
Supervised By :Mahesh Dadoda 04/24/2023



#8
Diethyl Ether
Concen: 17.136 ug/l
RT: 3.972 min Scan# 346
Delta R.T. 0.006 min
Lab File: VN077419.D
Acq: 21 Apr 2023 11:11

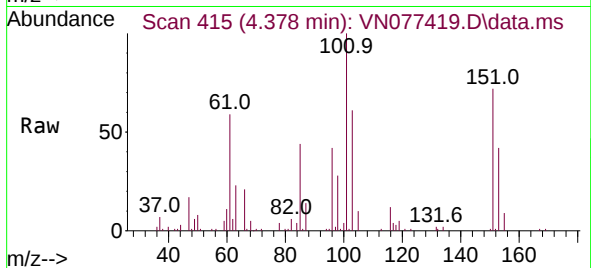
Tgt Ion: 74 Resp: 68317
Ion Ratio Lower Upper
74 100
45 71.1 14.8 133.6





#9
1,1,2-Trichlorotrifluoroethane
Concen: 19.226 ug/l
RT: 4.378 min Scan# 415
Delta R.T. -0.000 min
Lab File: VN077419.D
Acq: 21 Apr 2023 11:11

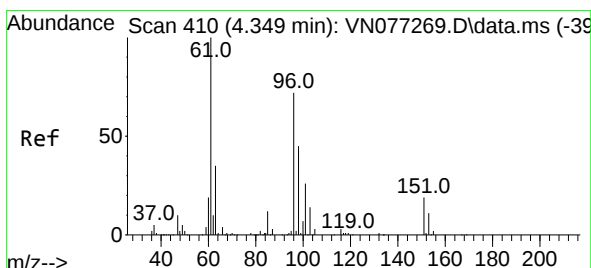
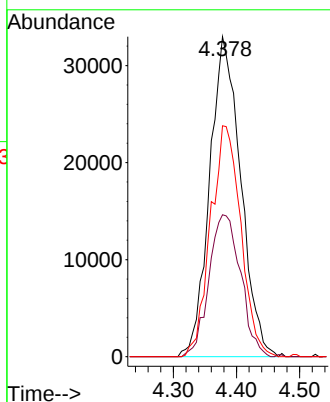
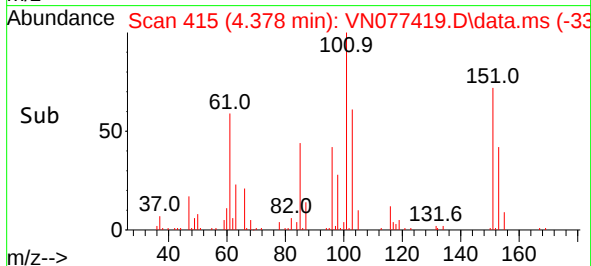
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MSVOA_N
ClientSampleId :
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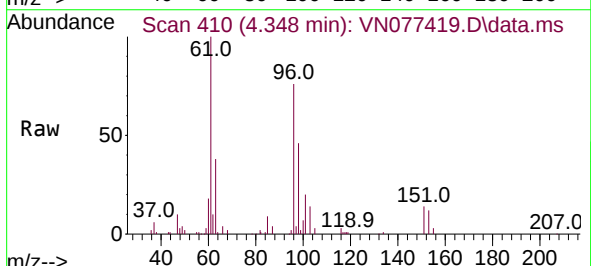
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Ion Ratio Lower Upper
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151 70.4 0.0 141.6

Manual Integrations
APPROVED

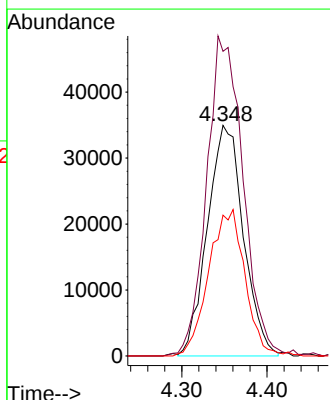
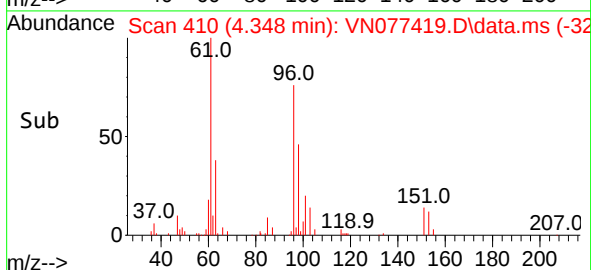
Reviewed By :John Carlone 04/24/2023
Supervised By :Mahesh Dadoda 04/24/2023

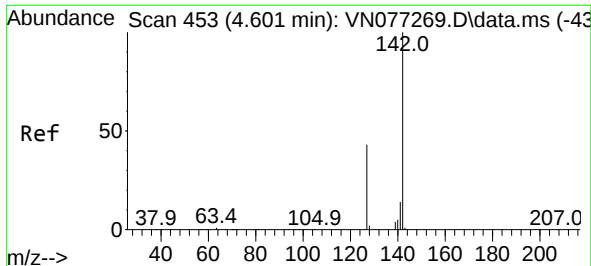


#10
1,1-Dichloroethene
Concen: 17.559 ug/l
RT: 4.348 min Scan# 410
Delta R.T. -0.001 min
Lab File: VN077419.D
Acq: 21 Apr 2023 11:11



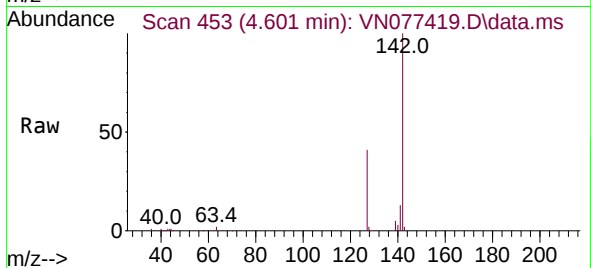
Tgt Ion: 96 Resp: 102736
Ion Ratio Lower Upper
96 100
61 131.5 110.7 166.1
98 60.4 49.6 74.4





#11
Methyl Iodide
Concen: 19.809 ug/l
RT: 4.601 min Scan# 453
Delta R.T. 0.000 min
Lab File: VN077419.D
Acq: 21 Apr 2023 11:11

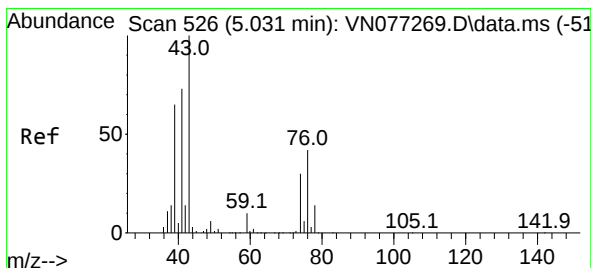
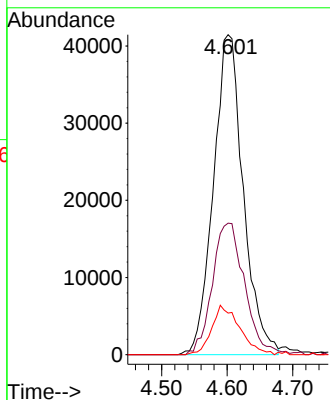
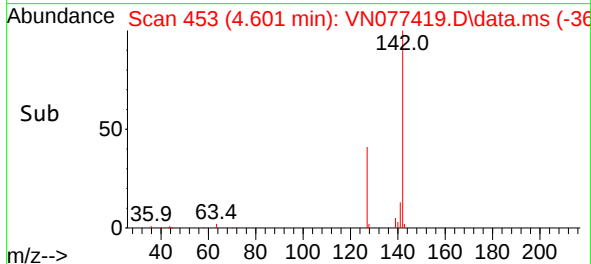
Instrument :
MSVOA_N
ClientSampleId :
VN0421WBSD01



Tgt Ion:142 Resp: 13094
Ion Ratio Lower Upper
142 100
127 40.8 21.3 63.7
141 12.7 7.0 20.9

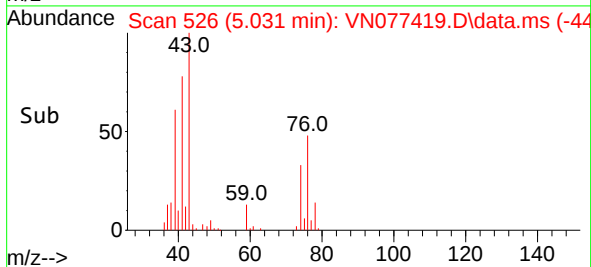
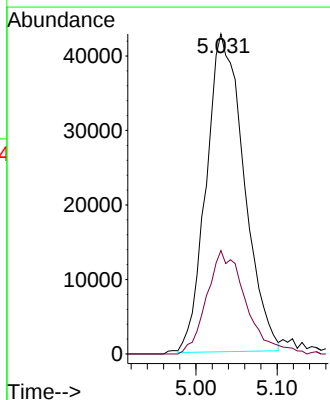
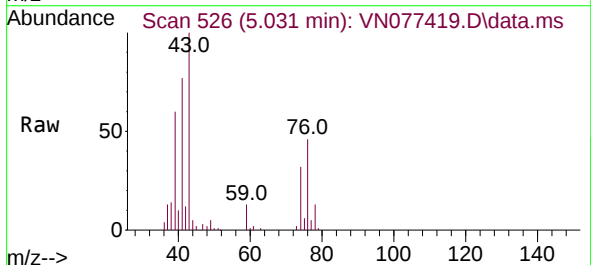
Manual Integrations
APPROVED

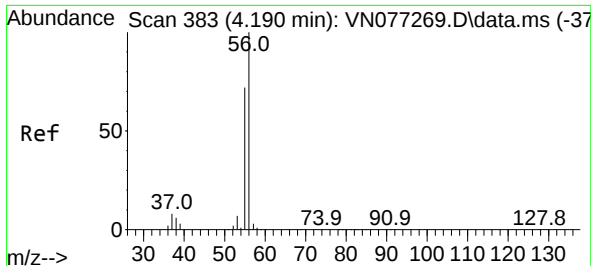
Reviewed By :John Carlone 04/24/2023
Supervised By :Mahesh Dadoda 04/24/2023



#12
Methyl Acetate
Concen: 15.821 ug/l
RT: 5.031 min Scan# 526
Delta R.T. -0.000 min
Lab File: VN077419.D
Acq: 21 Apr 2023 11:11

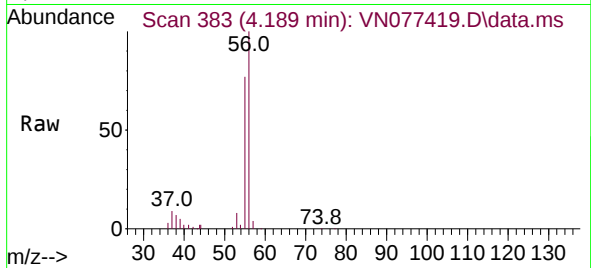
Tgt Ion: 43 Resp: 137913
Ion Ratio Lower Upper
43 100
74 31.7 24.2 36.2





#13
Acrolein
Concen: 108.906 ug/l
RT: 4.189 min Scan# 383
Delta R.T. -0.001 min
Lab File: VN077419.D
Acq: 21 Apr 2023 11:11

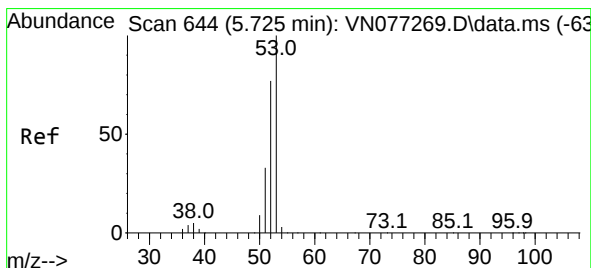
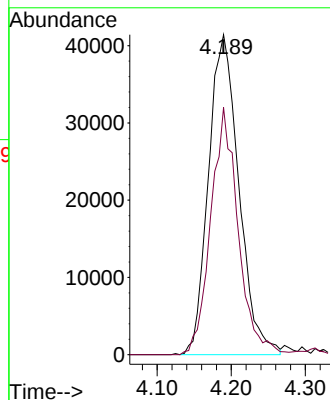
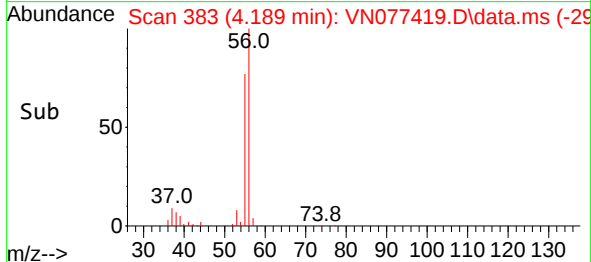
Instrument :
MSVOA_N
ClientSampleId :
VN0421WBSD01



Tgt Ion: 56 Resp: 117840
Ion Ratio Lower Upper
56 100
55 68.0 55.2 82.8

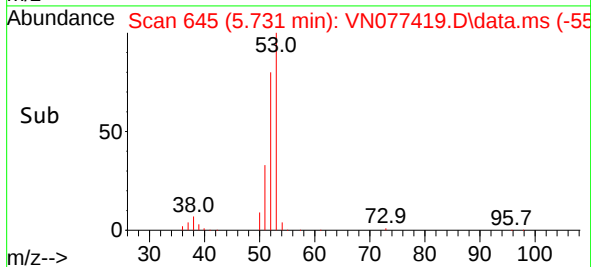
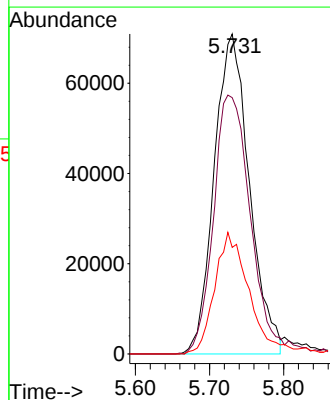
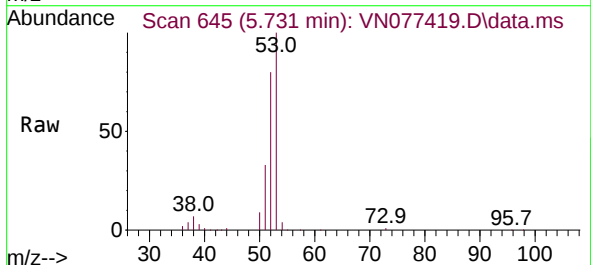
Manual Integrations
APPROVED

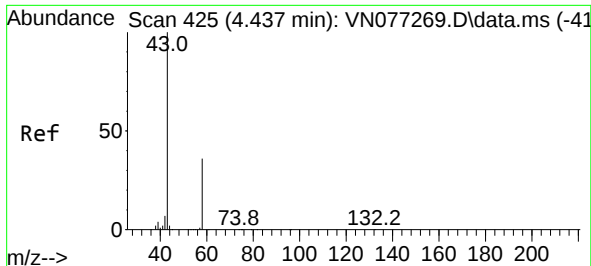
Reviewed By :John Carlone 04/24/2023
Supervised By :Mahesh Dadoda 04/24/2023



#14
Acrylonitrile
Concen: 78.460 ug/l
RT: 5.731 min Scan# 645
Delta R.T. 0.006 min
Lab File: VN077419.D
Acq: 21 Apr 2023 11:11

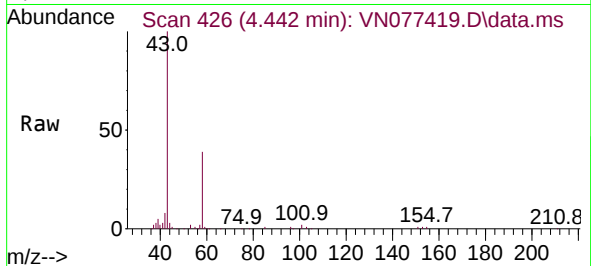
Tgt Ion: 53 Resp: 233789
Ion Ratio Lower Upper
53 100
52 83.9 41.0 123.0
51 36.7 17.7 53.1





#15
Acetone
Concen: 70.266 ug/l
RT: 4.442 min Scan# 41
Delta R.T. 0.005 min
Lab File: VN077419.D
Acq: 21 Apr 2023 11:11

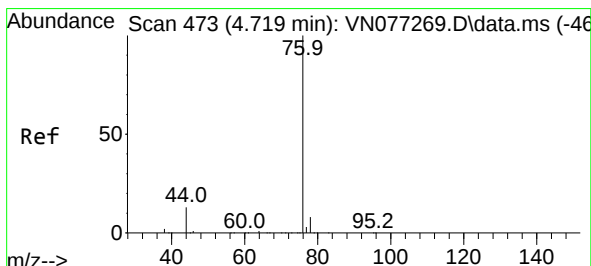
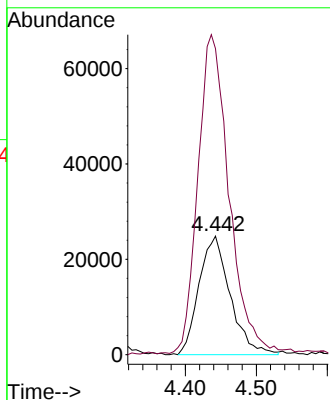
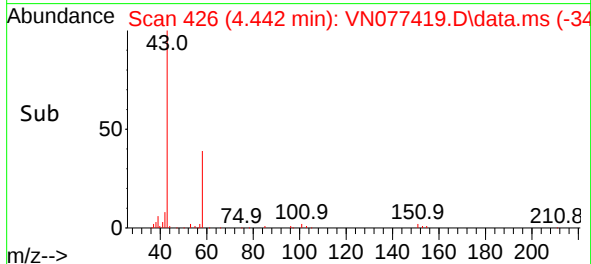
Instrument :
MSVOA_N
ClientSampleId :
VN0421WBSD01



Tgt Ion: 58 Resp: 75958
Ion Ratio Lower Upper
58 100
43 254.2 220.9 331.3

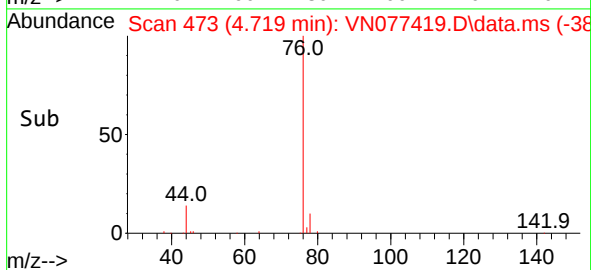
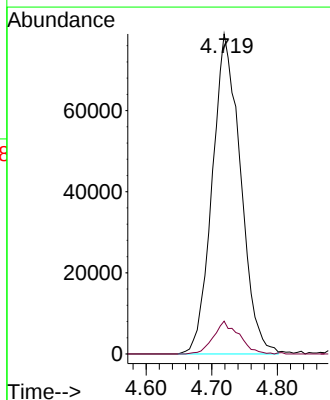
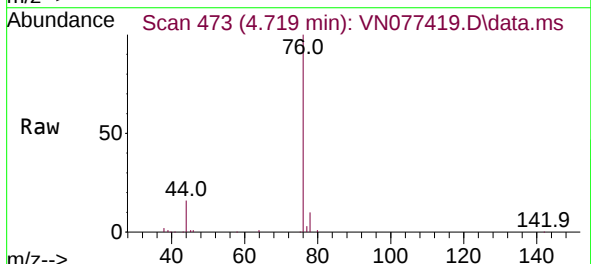
Manual Integrations
APPROVED

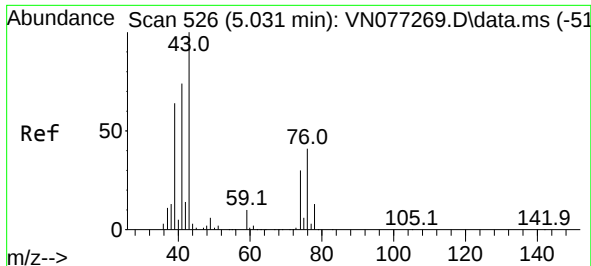
Reviewed By :John Carlone 04/24/2023
Supervised By :Mahesh Dadoda 04/24/2023



#16
Carbon Disulfide
Concen: 15.316 ug/l
RT: 4.719 min Scan# 473
Delta R.T. -0.000 min
Lab File: VN077419.D
Acq: 21 Apr 2023 11:11

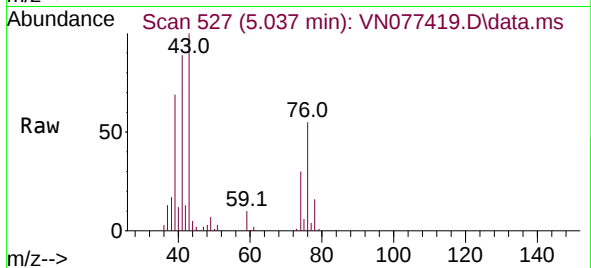
Tgt Ion: 76 Resp: 236529
Ion Ratio Lower Upper
76 100
78 10.2 6.3 9.5#





#17
 Allyl chloride
 Concen: 14.581 ug/l
 RT: 5.037 min Scan# 51
 Delta R.T. 0.006 min
 Lab File: VN077419.D
 Acq: 21 Apr 2023 11:11

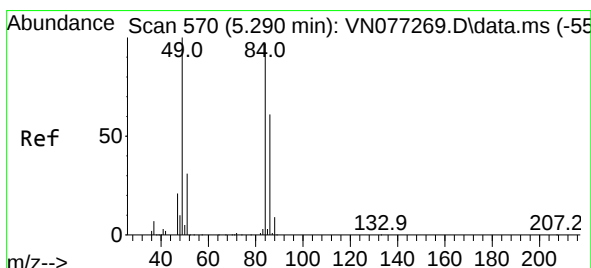
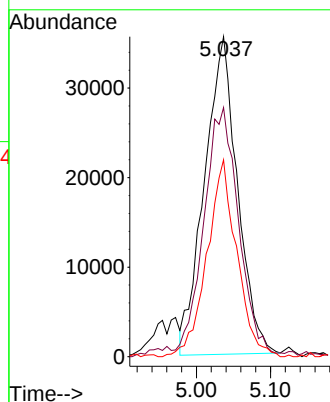
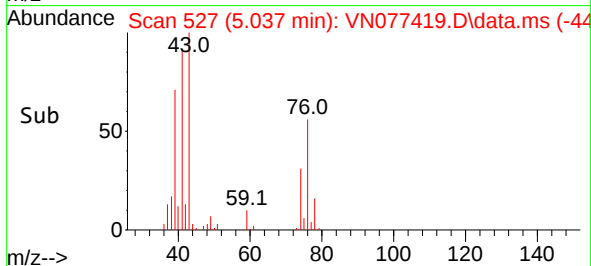
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0421WBSD01



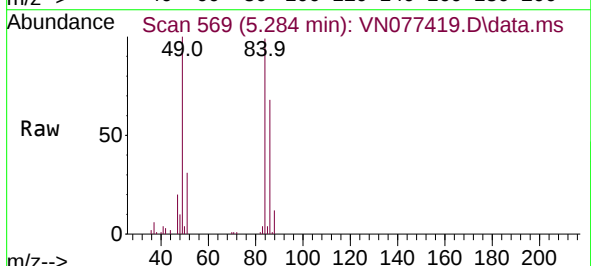
Tgt Ion: 41 Resp: 10982
 Ion Ratio Lower Upper
 41 100
 39 77.5 40.3 120.9
 76 62.2 25.3 75.8

Manual Integrations
 APPROVED

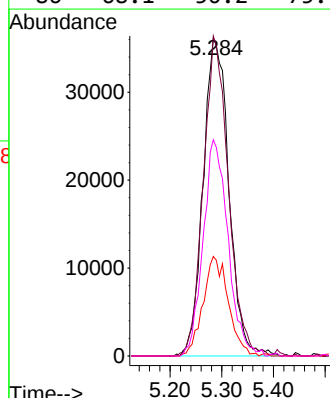
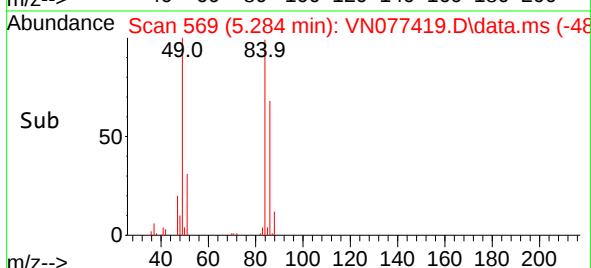
Reviewed By :John Carlone 04/24/2023
 Supervised By :Mahesh Dadoda 04/24/2023

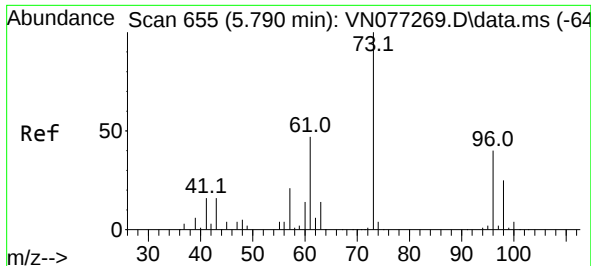


#18
 Methylene Chloride
 Concen: 18.394 ug/l
 RT: 5.284 min Scan# 569
 Delta R.T. -0.006 min
 Lab File: VN077419.D
 Acq: 21 Apr 2023 11:11



Tgt Ion: 84 Resp: 124980
 Ion Ratio Lower Upper
 84 100
 49 99.9 82.7 124.1
 51 31.3 25.6 38.4
 86 68.1 50.2 75.4





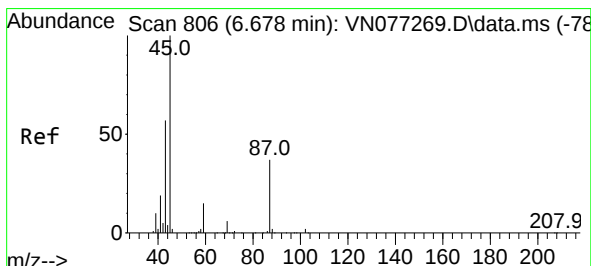
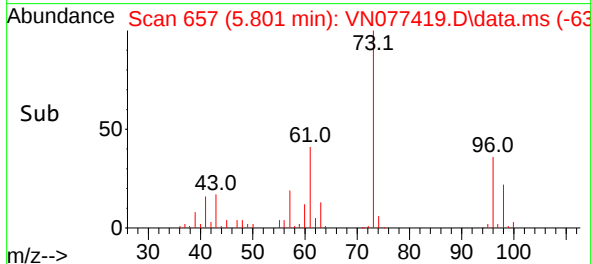
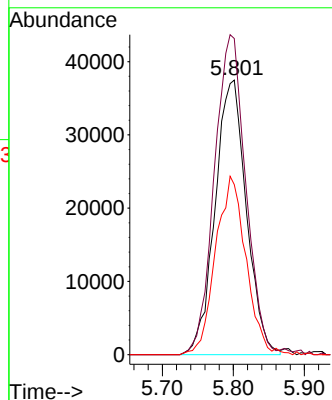
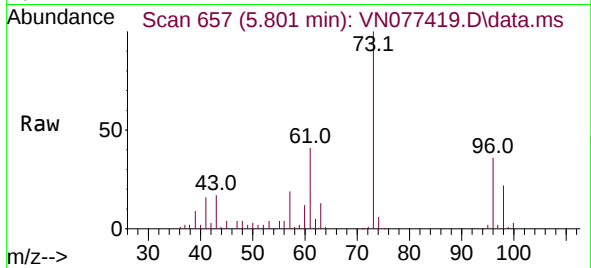
#19
trans-1,2-Dichloroethene
Concen: 18.062 ug/l
RT: 5.801 min Scan# 61
Delta R.T. 0.011 min
Lab File: VN077419.D
Acq: 21 Apr 2023 11:11

Instrument :
MSVOA_N
ClientSampleId :
VN0421WBSD01

Tgt Ion: 96 Resp: 114910
Ion Ratio Lower Upper
96 100
61 115.2 94.5 141.7
98 61.9 49.8 74.8

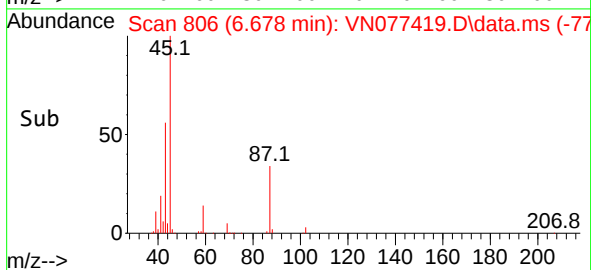
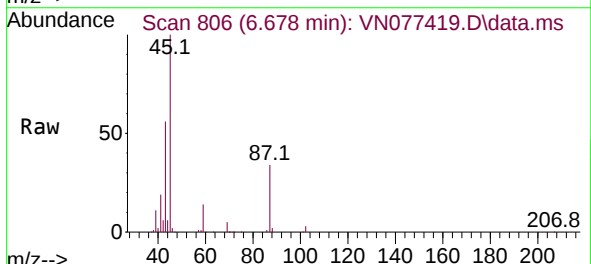
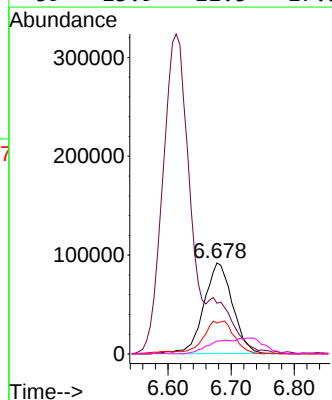
Manual Integrations
APPROVED

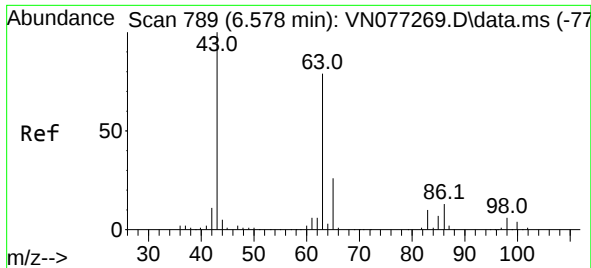
Reviewed By :John Carlone 04/24/2023
Supervised By :Mahesh Dadoda 04/24/2023



#20
Diisopropyl ether
Concen: 15.819 ug/l
RT: 6.678 min Scan# 806
Delta R.T. -0.000 min
Lab File: VN077419.D
Acq: 21 Apr 2023 11:11

Tgt Ion: 45 Resp: 283979
Ion Ratio Lower Upper
45 100
43 54.7 45.9 68.9
87 34.2 30.1 45.1
59 13.9 11.5 17.3





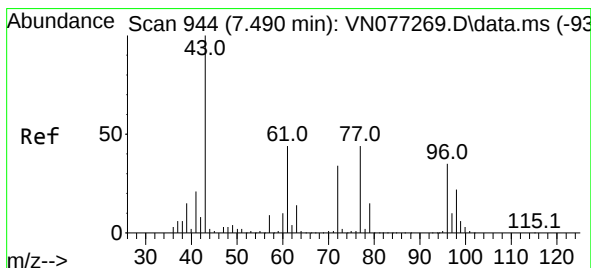
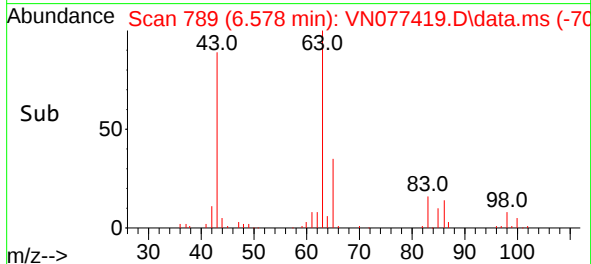
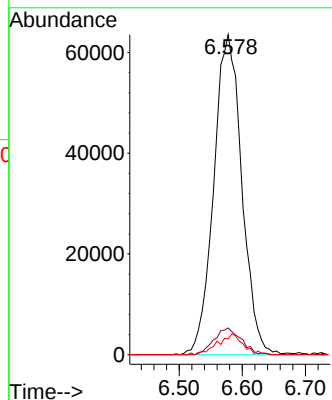
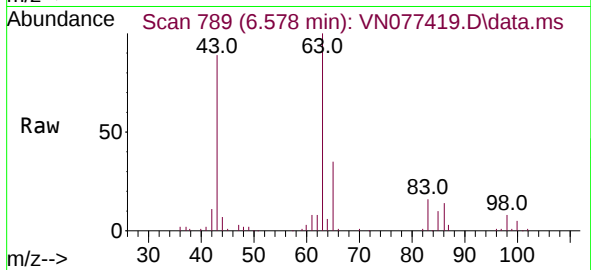
#21
1,1-Dichloroethane
Concen: 17.253 ug/l
RT: 6.578 min Scan# 789
Delta R.T. -0.000 min
Lab File: VN077419.D
Acq: 21 Apr 2023 11:11

Instrument :
MSVOA_N
ClientSampleId :
VN0421WBSD01

Tgt Ion: 63 Resp: 196309
Ion Ratio Lower Upper
63 100
98 8.4 3.9 11.7
100 5.0 2.3 6.8

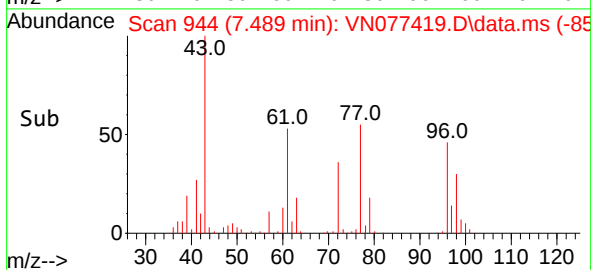
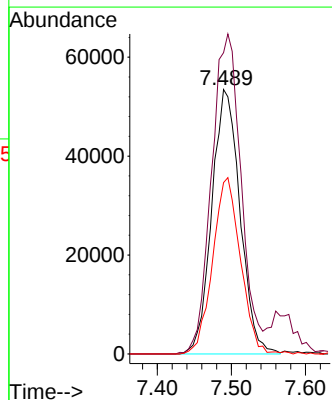
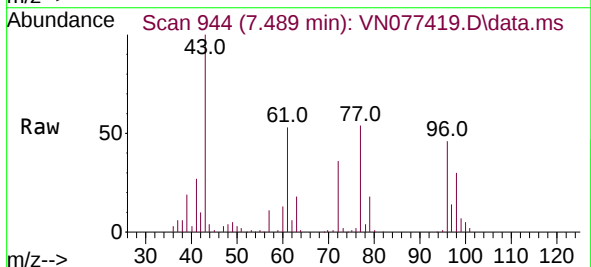
Manual Integrations
APPROVED

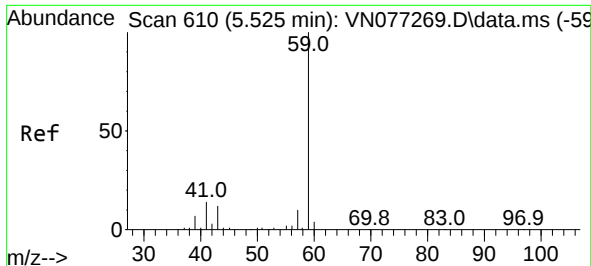
Reviewed By :John Carlone 04/24/2023
Supervised By :Mahesh Dadoda 04/24/2023



#22
cis-1,2-Dichloroethene
Concen: 18.229 ug/l
RT: 7.489 min Scan# 944
Delta R.T. -0.001 min
Lab File: VN077419.D
Acq: 21 Apr 2023 11:11

Tgt Ion: 96 Resp: 141380
Ion Ratio Lower Upper
96 100
61 126.4 105.5 158.3
98 65.3 51.8 77.6





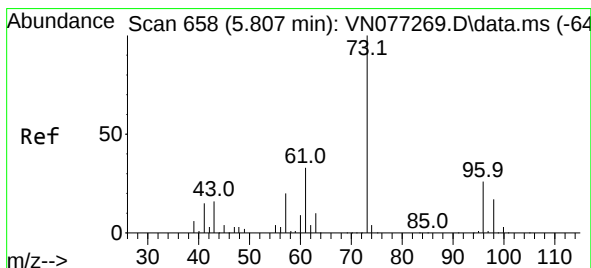
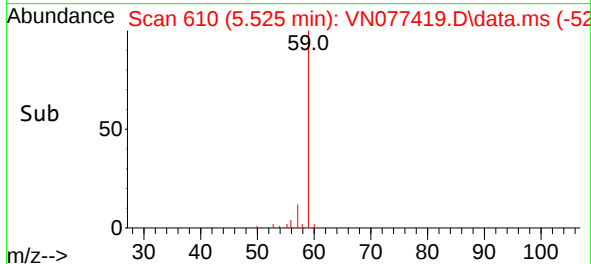
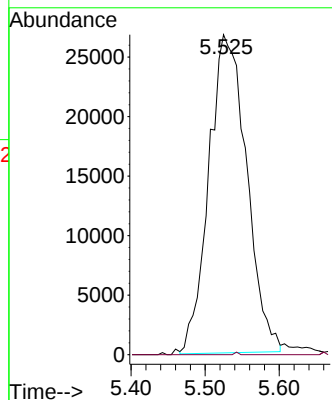
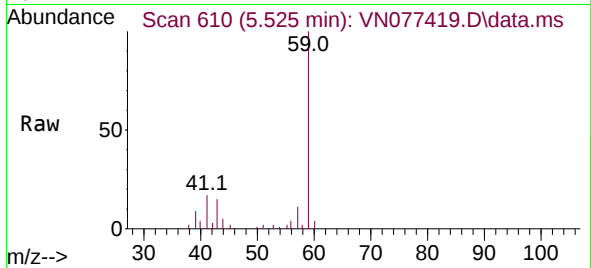
#23
tert-Butyl Alcohol
Concen: 71.473 ug/l
RT: 5.525 min Scan# 610
Delta R.T. -0.000 min
Lab File: VN077419.D
Acq: 21 Apr 2023 11:11

Instrument :
MSVOA_N
ClientSampleId :
VN0421WBSD01

Tgt Ion: 59 Resp: 9469
Ion Ratio Lower Upper
59 100
52 0.0 0.1 0.1

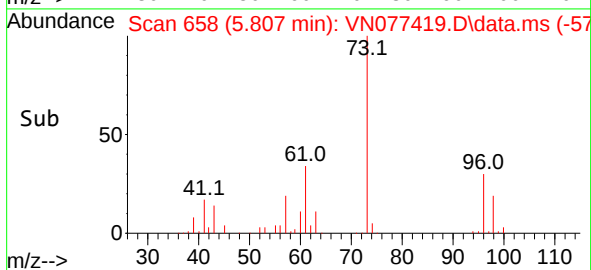
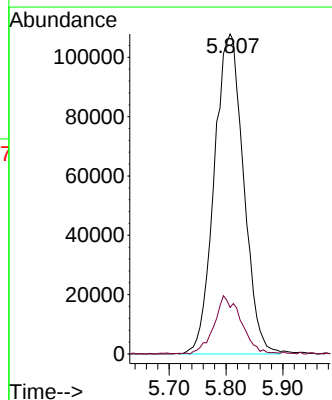
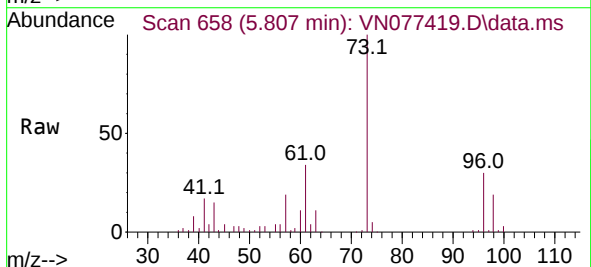
Manual Integrations
APPROVED

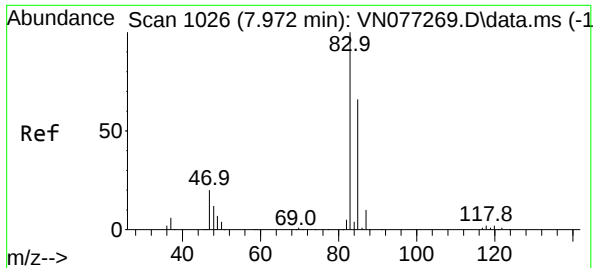
Reviewed By :John Carlone 04/24/2023
Supervised By :Mahesh Dadoda 04/24/2023



#24
Methyl tert-Butyl Ether
Concen: 18.353 ug/l
RT: 5.807 min Scan# 658
Delta R.T. 0.000 min
Lab File: VN077419.D
Acq: 21 Apr 2023 11:11

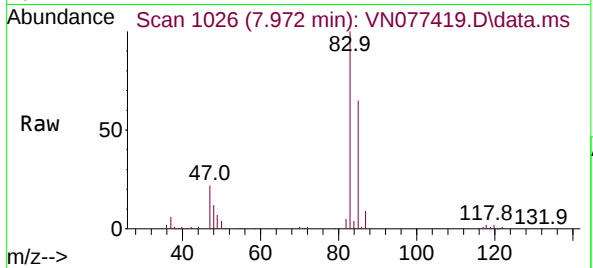
Tgt Ion: 73 Resp: 386604
Ion Ratio Lower Upper
73 100
43 10.0 13.5 20.3





#25
Chloroform
Concen: 18.643 ug/l
RT: 7.972 min Scan# 1026
Delta R.T. -0.000 min
Lab File: VN077419.D
Acq: 21 Apr 2023 11:11

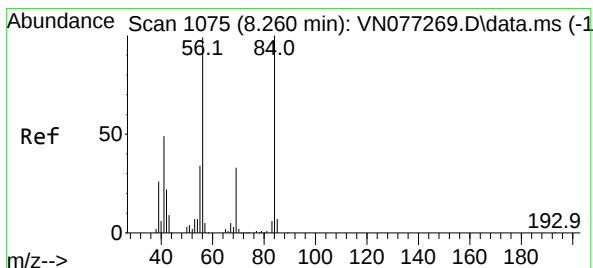
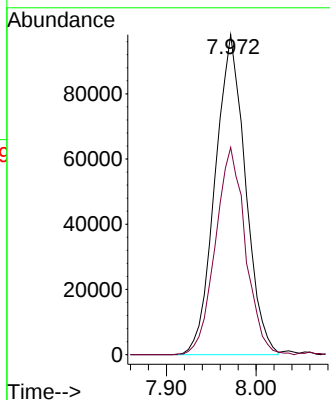
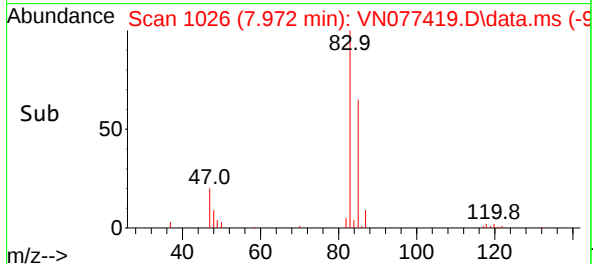
Instrument :
MSVOA_N
ClientSampleId :
VN0421WBSD01



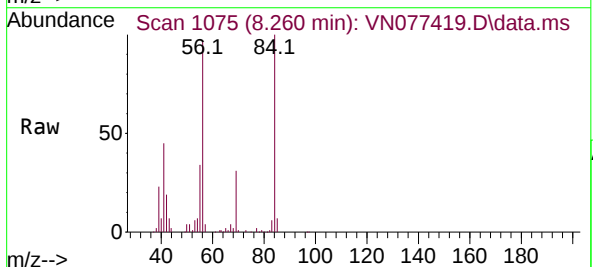
Tgt Ion: 83 Resp: 229892
Ion Ratio Lower Upper
83 100
85 64.5 52.9 79.3

Manual Integrations
APPROVED

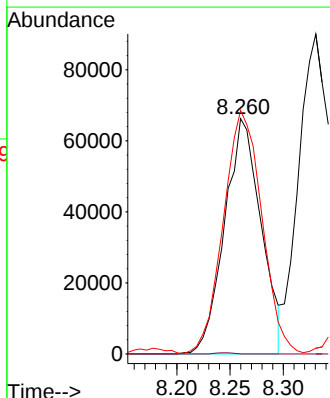
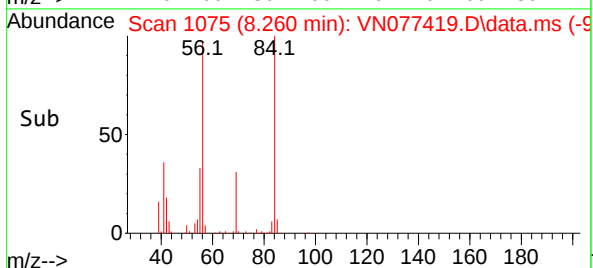
Reviewed By :John Carlone 04/24/2023
Supervised By :Mahesh Dadoda 04/24/2023

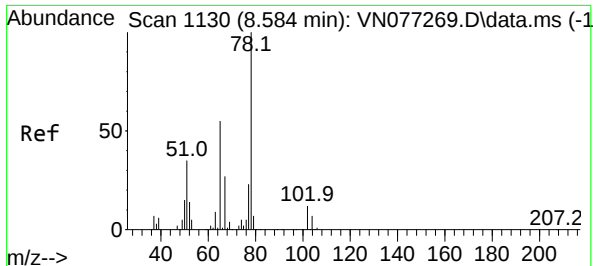


#26
Cyclohexane
Concen: 15.937 ug/l
RT: 8.260 min Scan# 1075
Delta R.T. -0.000 min
Lab File: VN077419.D
Acq: 21 Apr 2023 11:11



Tgt Ion: 56 Resp: 157569
Ion Ratio Lower Upper
56 100
89 0.2 0.0 0.0#
84 109.2 82.6 123.8





#27

1,2-Dichloroethane-d4

Concen: 31.478 ug/l

RT: 8.583 min Scan# 1130

Delta R.T. -0.001 min

Lab File: VN077419.D

Acq: 21 Apr 2023 11:11

Instrument :

MSVOA_N

ClientSampleId :

VN0421WBSD01

Tgt Ion: 65 Resp: 14823

Ion Ratio Lower Upper

65 100

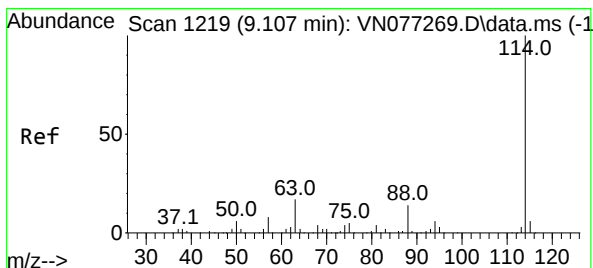
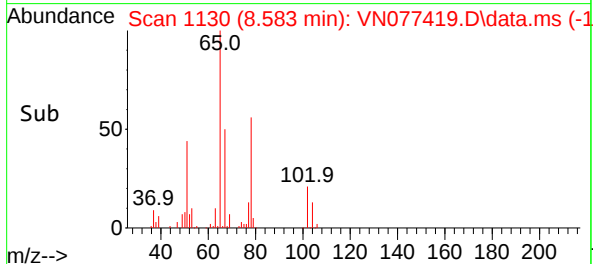
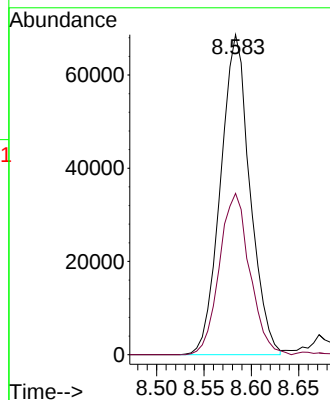
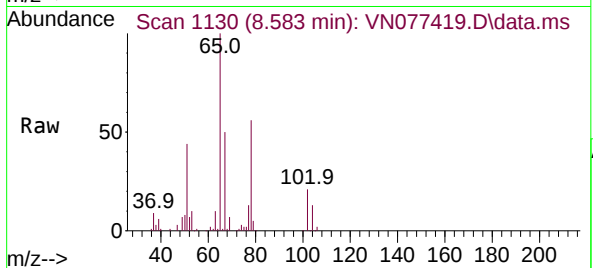
67 52.0 41.8 62.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 04/24/2023

Supervised By :Mahesh Dadoda 04/24/2023



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 9.107 min Scan# 1219

Delta R.T. -0.000 min

Lab File: VN077419.D

Acq: 21 Apr 2023 11:11

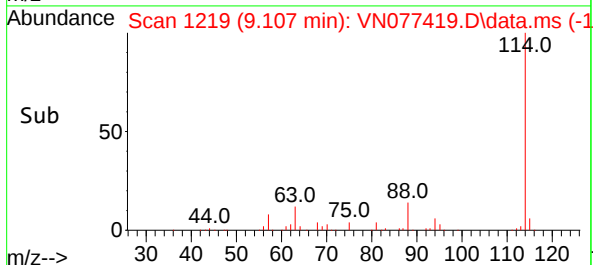
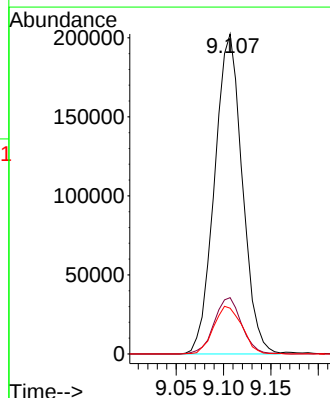
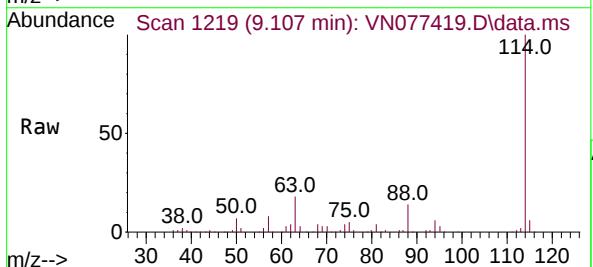
Tgt Ion:114 Resp: 412090

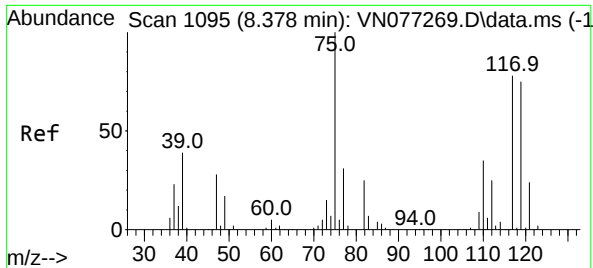
Ion Ratio Lower Upper

114 100

63 17.5 15.0 22.4

88 15.2 11.9 17.9





#29
1,1-Dichloropropene
Concen: 17.463 ug/l
RT: 8.377 min Scan# 1095
Delta R.T. -0.001 min
Lab File: VN077419.D
Acq: 21 Apr 2023 11:11

Instrument :

MSVOA_N

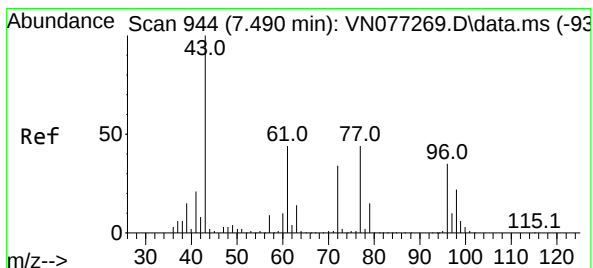
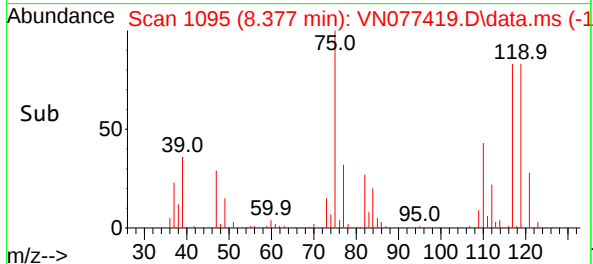
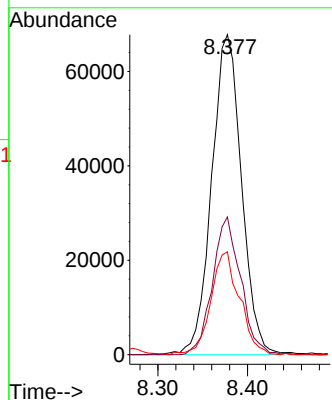
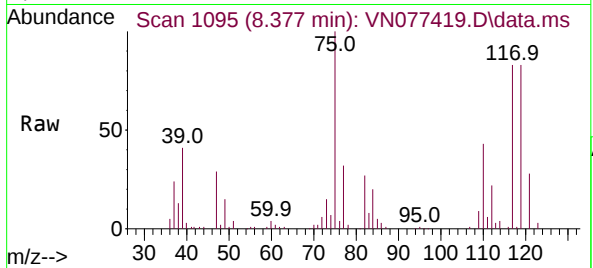
ClientSampleId :

VN0421WBSD01

Tgt Ion: 75 Resp: 155892
Ion Ratio Lower Upper
75 100
110 40.7 0.0 72.4
77 30.9 0.0 61.4

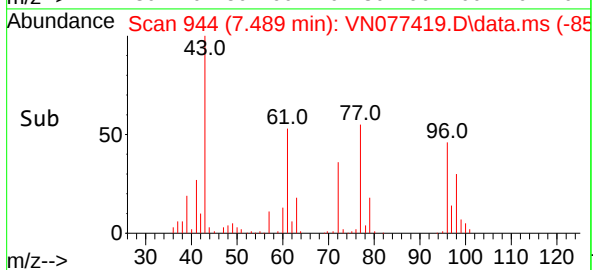
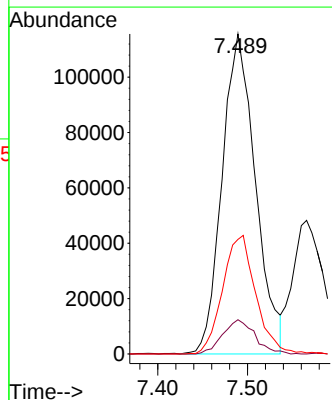
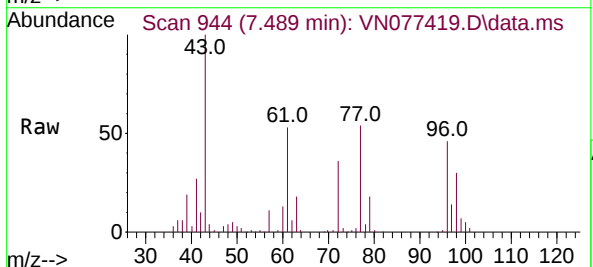
Manual Integrations
APPROVED

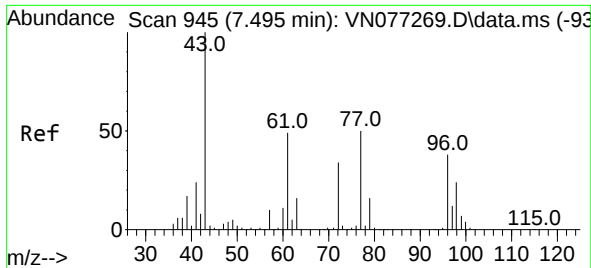
Reviewed By :John Carlone 04/24/2023
Supervised By :Mahesh Dadoda 04/24/2023



#30
2-Butanone
Concen: 70.762 ug/l
RT: 7.489 min Scan# 944
Delta R.T. -0.001 min
Lab File: VN077419.D
Acq: 21 Apr 2023 11:11

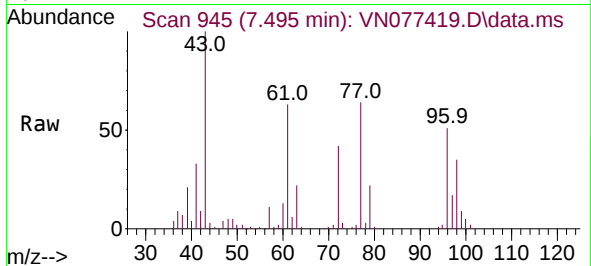
Tgt Ion: 43 Resp: 298722
Ion Ratio Lower Upper
43 100
57 10.3 7.5 11.3
72 36.6 26.9 40.3





#31
2,2-Dichloropropane
Concen: 17.735 ug/l
RT: 7.495 min Scan# 945
Delta R.T. 0.000 min
Lab File: VN077419.D
Acq: 21 Apr 2023 11:11

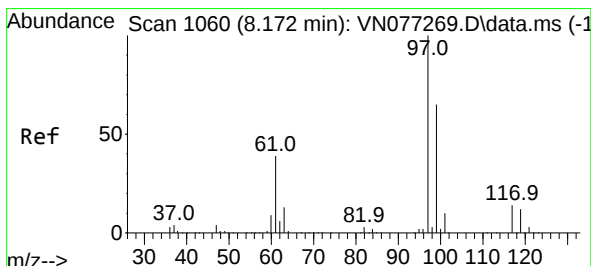
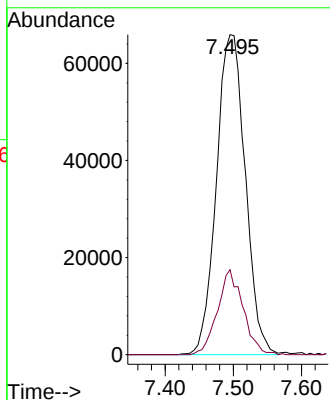
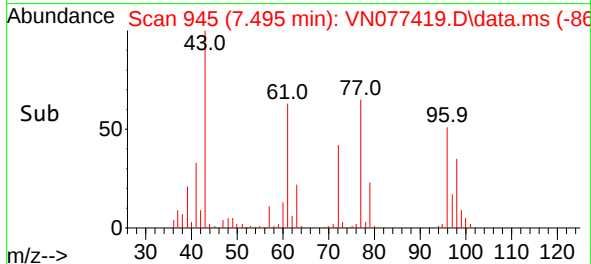
Instrument :
MSVOA_N
ClientSampleId :
VN0421WBSD01



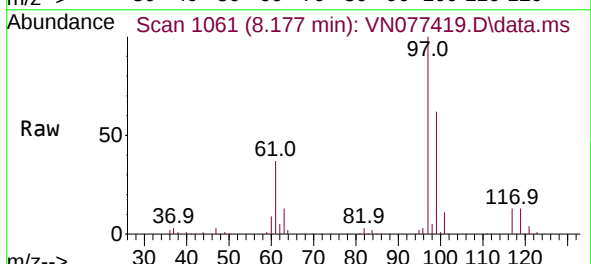
Tgt Ion: 77 Resp: 194354
Ion Ratio Lower Upper
77 100
97 23.4 18.8 28.2

Manual Integrations
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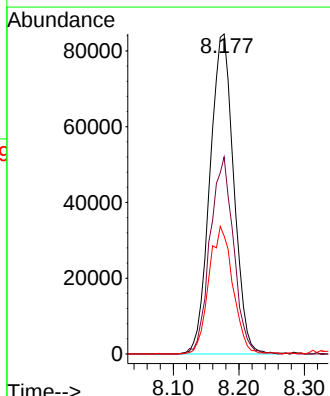
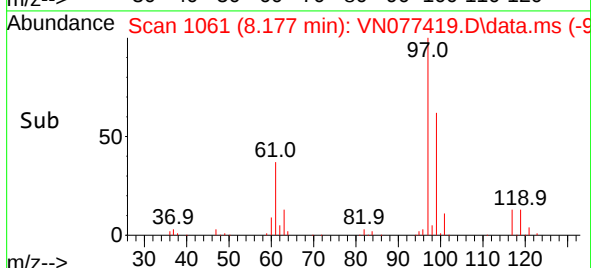
Reviewed By :John Carlone 04/24/2023
Supervised By :Mahesh Dadoda 04/24/2023

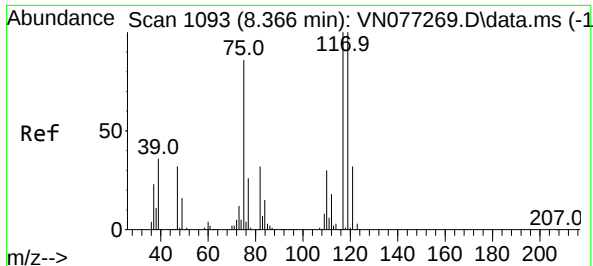


#32
1,1,1-Trichloroethane
Concen: 19.404 ug/l
RT: 8.177 min Scan# 1061
Delta R.T. 0.005 min
Lab File: VN077419.D
Acq: 21 Apr 2023 11:11



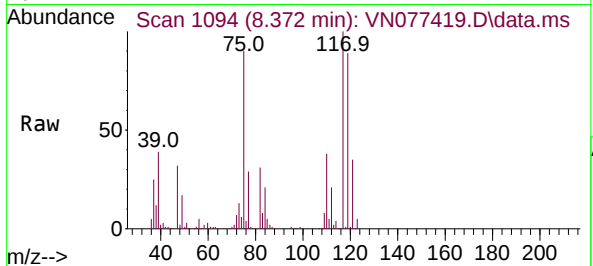
Tgt Ion: 97 Resp: 213178
Ion Ratio Lower Upper
97 100
99 60.7 51.6 77.4
61 40.1 32.4 48.6





#33
Carbon Tetrachloride
Concen: 18.761 ug/l
RT: 8.372 min Scan# 1109
Delta R.T. 0.006 min
Lab File: VN077419.D
Acq: 21 Apr 2023 11:11

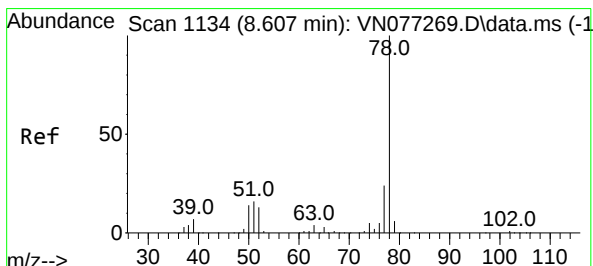
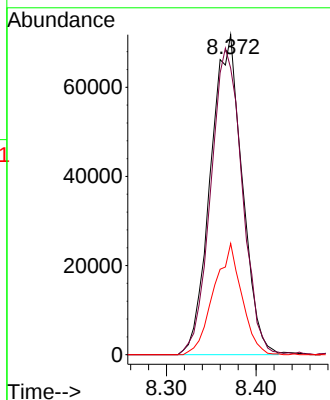
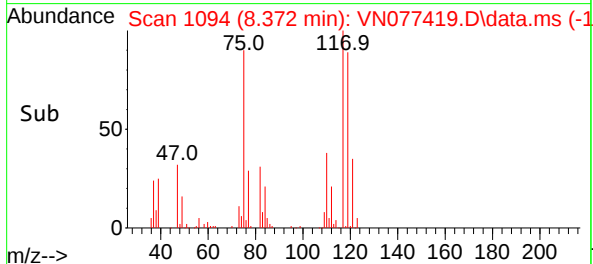
Instrument :
MSVOA_N
ClientSampleId :
VN0421WBSD01



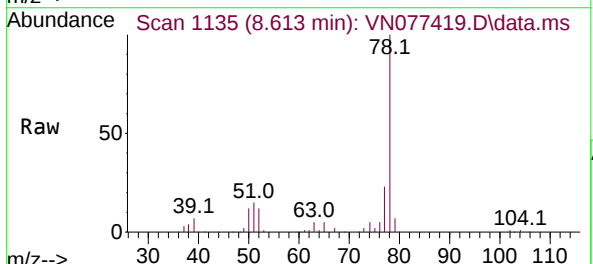
Tgt Ion: 117 Resp: 17591
Ion Ratio Lower Upper
117 100
119 89.5 80.2 120.4
121 34.8 26.0 39.0

Manual Integrations
APPROVED

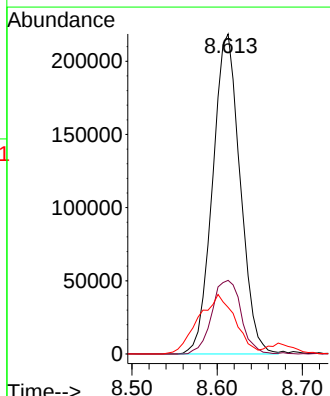
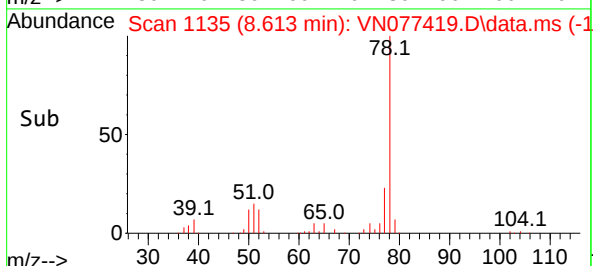
Reviewed By :John Carlone 04/24/2023
Supervised By :Mahesh Dadoda 04/24/2023

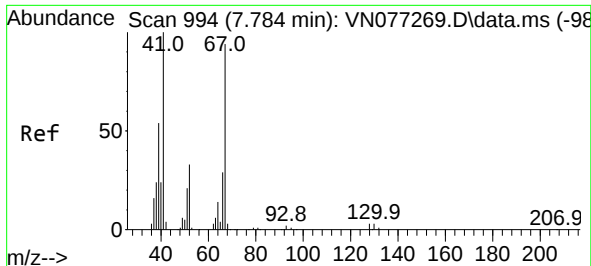


#34
Benzene
Concen: 17.737 ug/l
RT: 8.613 min Scan# 1135
Delta R.T. 0.006 min
Lab File: VN077419.D
Acq: 21 Apr 2023 11:11



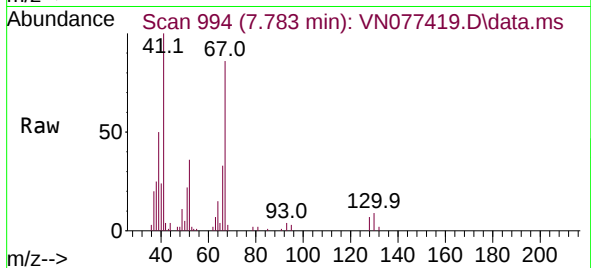
Tgt Ion: 78 Resp: 489918
Ion Ratio Lower Upper
78 100
77 23.0 19.4 29.0
51 13.1 12.6 19.0





#35
Methacrylonitrile
Concen: 15.643 ug/l
RT: 7.783 min Scan# 994
Delta R.T. -0.001 min
Lab File: VN077419.D
Acq: 21 Apr 2023 11:11

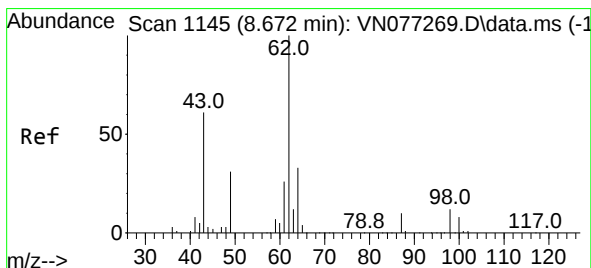
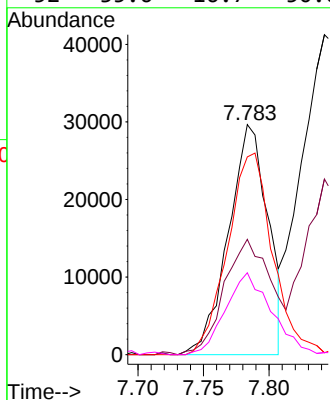
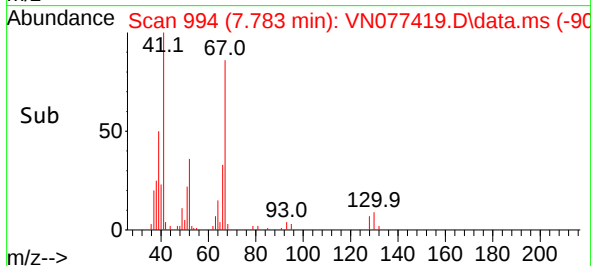
Instrument :
MSVOA_N
ClientSampleId :
VN0421WBSD01



Tgt Ion: 41 Resp: 62209
Ion Ratio Lower Upper
41 100
39 50.2 27.1 81.2
67 85.9 46.8 140.4
52 35.6 16.7 50.0

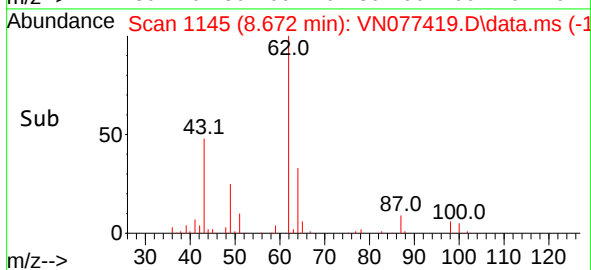
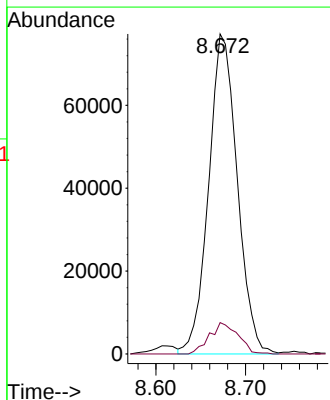
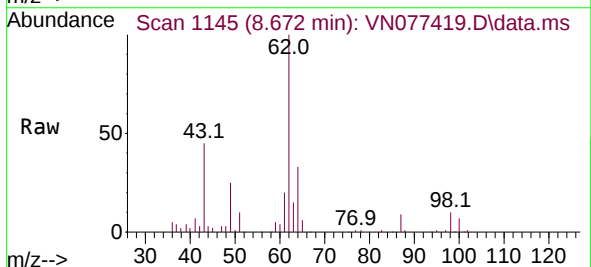
Manual Integrations
APPROVED

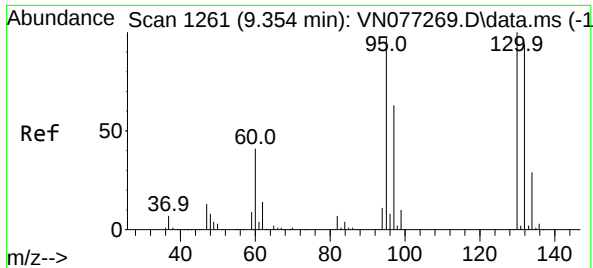
Reviewed By :John Carlone 04/24/2023
Supervised By :Mahesh Dadoda 04/24/2023



#36
1,2-Dichloroethane
Concen: 19.762 ug/l
RT: 8.672 min Scan# 1145
Delta R.T. -0.000 min
Lab File: VN077419.D
Acq: 21 Apr 2023 11:11

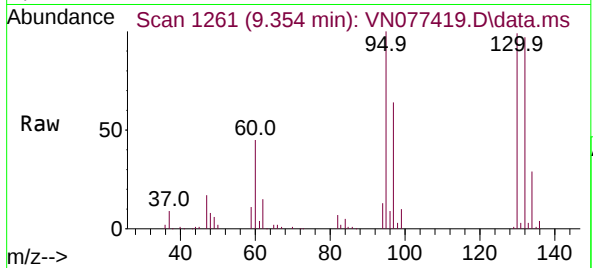
Tgt Ion: 62 Resp: 171136
Ion Ratio Lower Upper
62 100
98 9.7 8.3 12.5





#37
Trichloroethene
Concen: 18.539 ug/l
RT: 9.354 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN077419.D
Acq: 21 Apr 2023 11:11

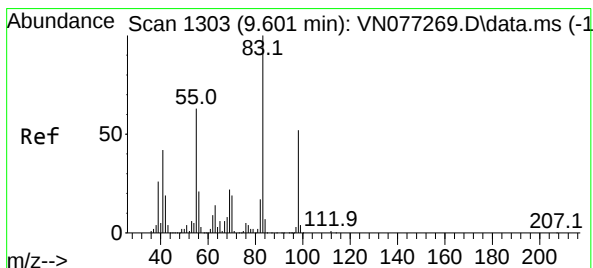
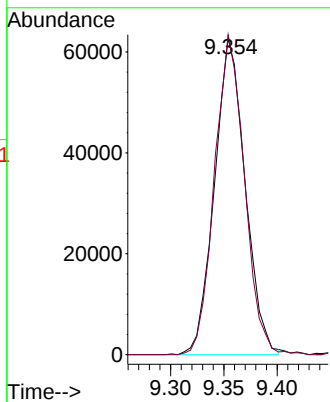
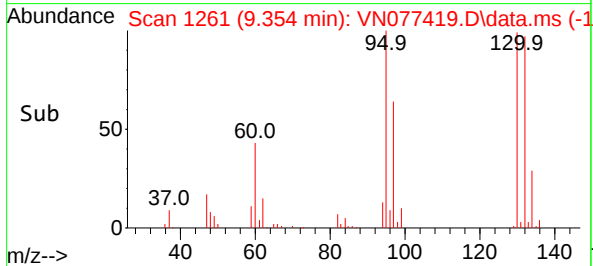
Instrument :
MSVOA_N
ClientSampleId :
VN0421WBSD01



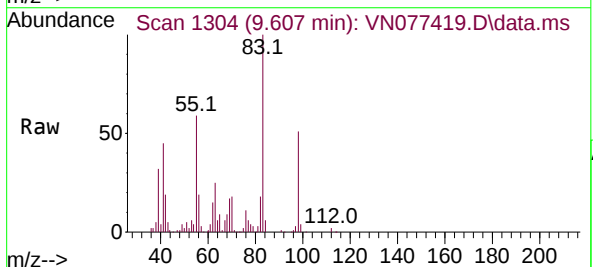
Tgt Ion:130 Resp: 125250
Ion Ratio Lower Upper
130 100
95 101.2 77.5 116.3

Manual Integrations
APPROVED

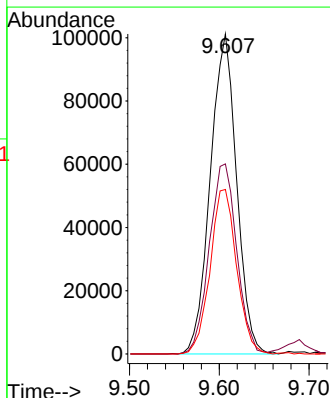
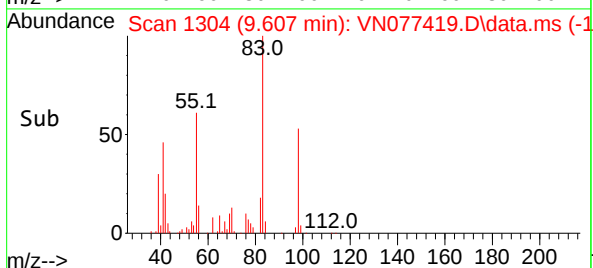
Reviewed By :John Carlone 04/24/2023
Supervised By :Mahesh Dadoda 04/24/2023

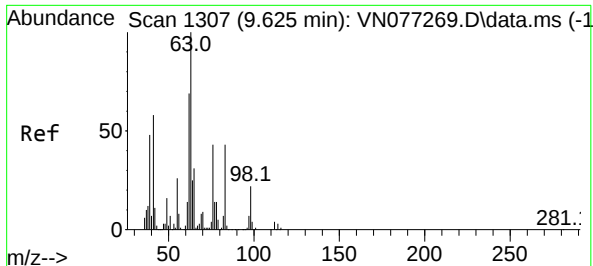


#38
Methylcyclohexane
Concen: 17.021 ug/l
RT: 9.607 min Scan# 1304
Delta R.T. 0.006 min
Lab File: VN077419.D
Acq: 21 Apr 2023 11:11



Tgt Ion: 83 Resp: 206083
Ion Ratio Lower Upper
83 100
55 62.1 32.0 96.2
98 51.8 25.3 75.9





#39

1,2-Dichloropropane

Concen: 17.678 ug/l

RT: 9.624 min Scan# 1307

Delta R.T. -0.001 min

Lab File: VN077419.D

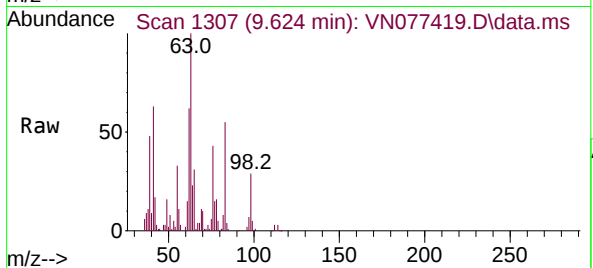
Acq: 21 Apr 2023 11:11

Instrument :

MSVOA_N

ClientSampleId :

VN0421WBSD01



Tgt Ion: 63 Resp: 121210

Ion Ratio Lower Upper

63 100

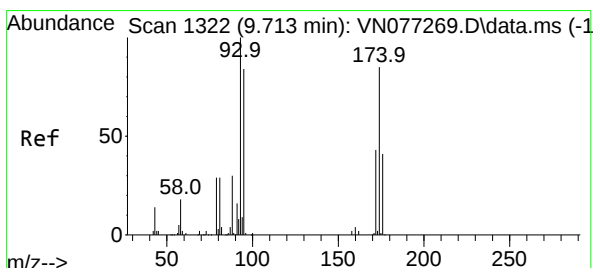
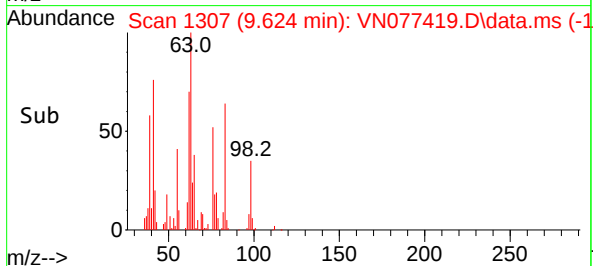
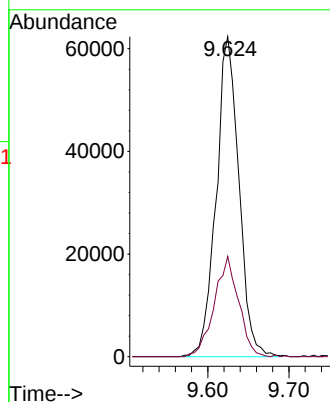
65 31.3 24.8 37.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 04/24/2023

Supervised By :Mahesh Dadoda 04/24/2023



#40

Dibromomethane

Concen: 18.947 ug/l

RT: 9.713 min Scan# 1322

Delta R.T. -0.000 min

Lab File: VN077419.D

Acq: 21 Apr 2023 11:11

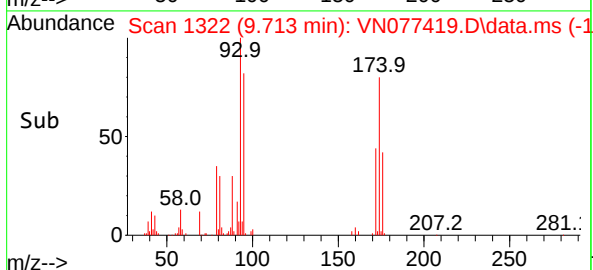
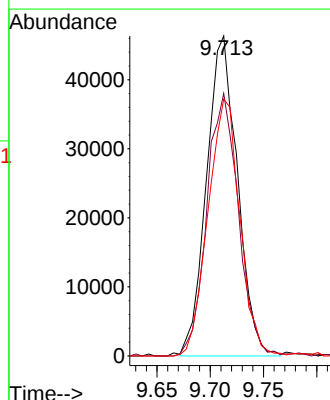
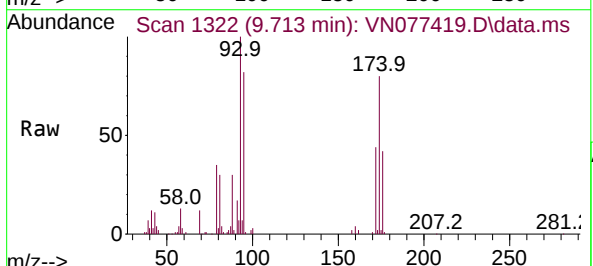
Tgt Ion: 93 Resp: 93609

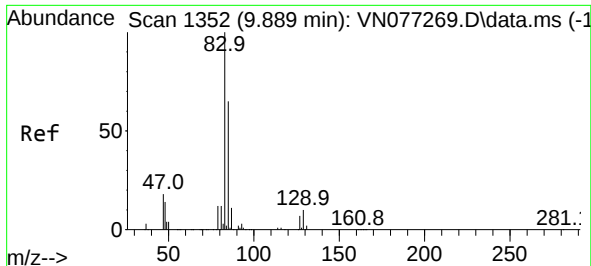
Ion Ratio Lower Upper

93 100

95 83.5 0.0 166.4

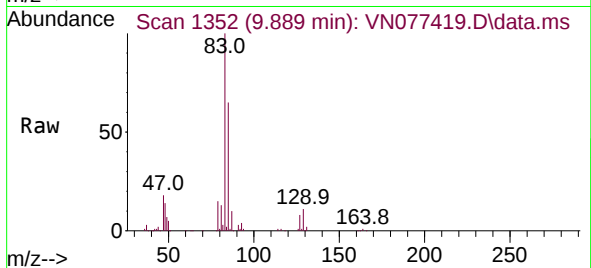
174 82.3 0.0 164.8





#41
Bromodichloromethane
Concen: 18.939 ug/l
RT: 9.889 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN077419.D
Acq: 21 Apr 2023 11:11

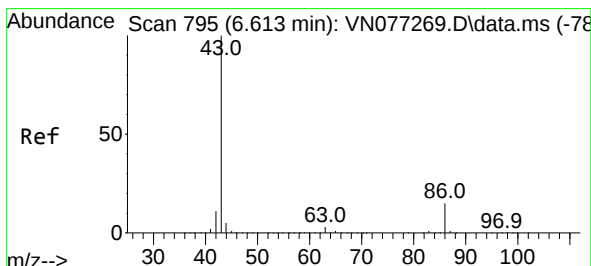
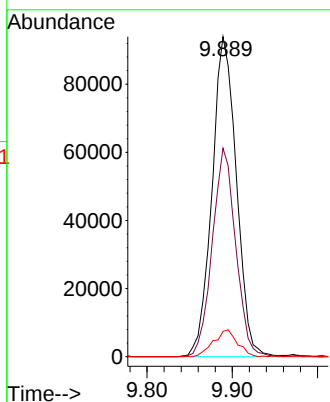
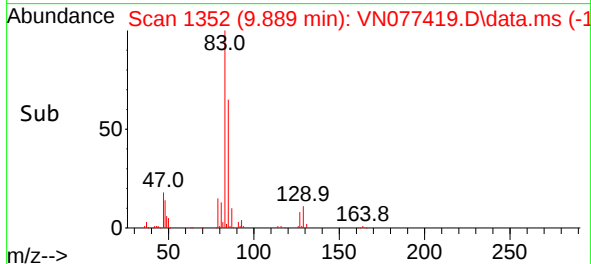
Instrument :
MSVOA_N
ClientSampleId :
VN0421WBSD01



Tgt Ion: 83 Resp: 186579
Ion Ratio Lower Upper
83 100
85 65.2 52.3 78.5
127 7.9 5.9 8.9

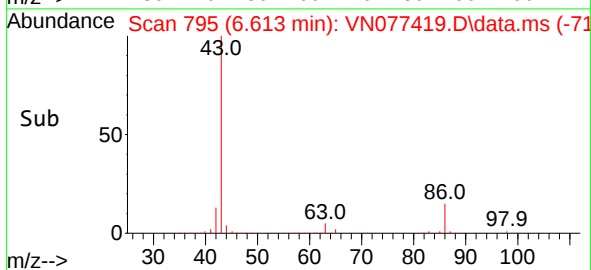
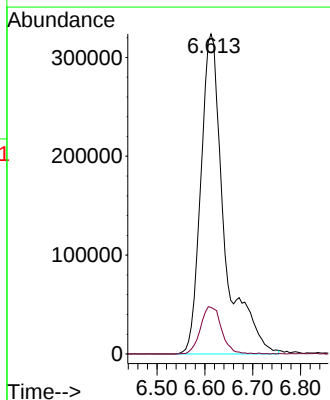
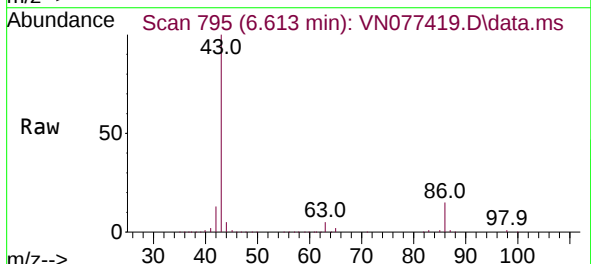
Manual Integrations
APPROVED

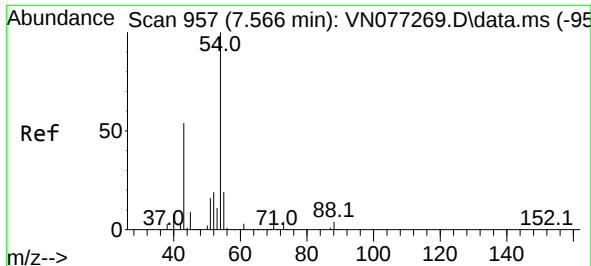
Reviewed By :John Carlone 04/24/2023
Supervised By :Mahesh Dadoda 04/24/2023



#42
Vinyl Acetate
Concen: 90.190 ug/l m
RT: 6.613 min Scan# 795
Delta R.T. -0.000 min
Lab File: VN077419.D
Acq: 21 Apr 2023 11:11

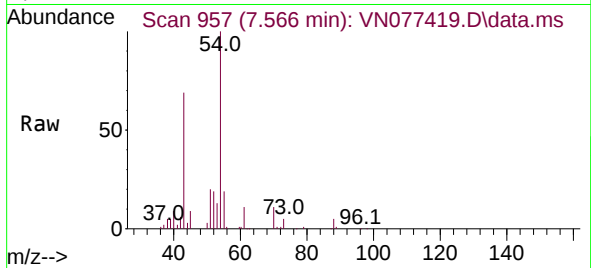
Tgt Ion: 43 Resp: 1101919
Ion Ratio Lower Upper
43 100
86 13.2 0.0 0.0#





#43
Ethyl Acetate
Concen: 15.031 ug/l
RT: 7.566 min Scan# 91
Delta R.T. -0.000 min
Lab File: VN077419.D
Acq: 21 Apr 2023 11:11

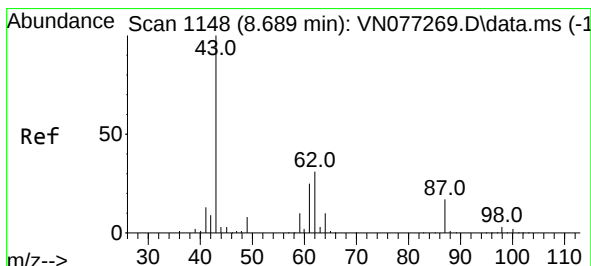
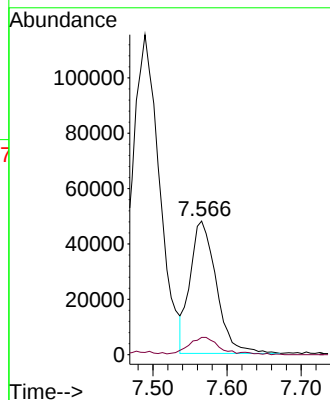
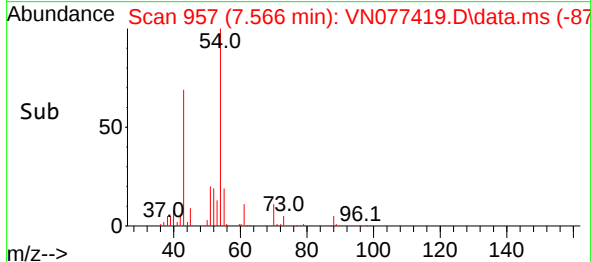
Instrument :
MSVOA_N
ClientSampleId :
VN0421WBSD01



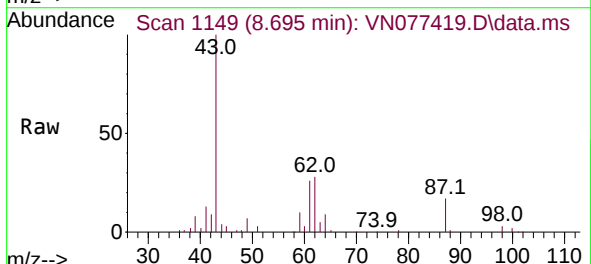
Tgt Ion: 43 Resp: 11739
Ion Ratio Lower Upper
43 100
45 14.0 12.3 18.5

Manual Integrations
APPROVED

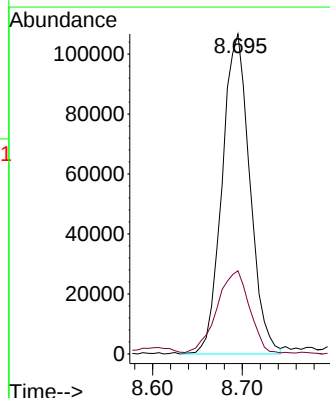
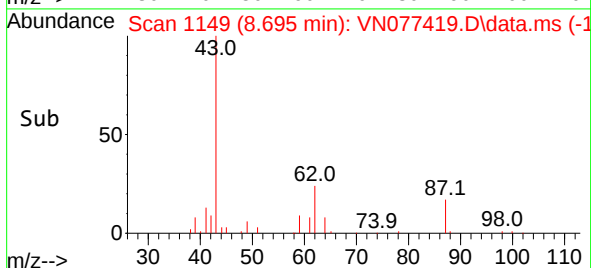
Reviewed By :John Carlone 04/24/2023
Supervised By :Mahesh Dadoda 04/24/2023

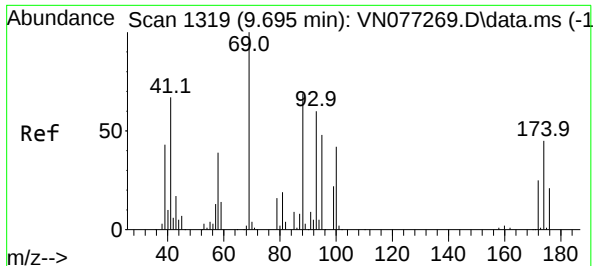


#44
Isopropyl Acetate
Concen: 16.345 ug/l
RT: 8.695 min Scan# 1149
Delta R.T. 0.006 min
Lab File: VN077419.D
Acq: 21 Apr 2023 11:11



Tgt Ion: 43 Resp: 228573
Ion Ratio Lower Upper
43 100
61 30.2 0.0 0.0#





#45

1,4-Dioxane

Concen: 328.815 ug/l

RT: 9.701 min Scan# 1320

Delta R.T. 0.006 min

Lab File: VN077419.D

Acq: 21 Apr 2023 11:11

Instrument :

MSVOA_N

ClientSampleId :

VN0421WBSD01

Tgt Ion: 88 Resp: 48494

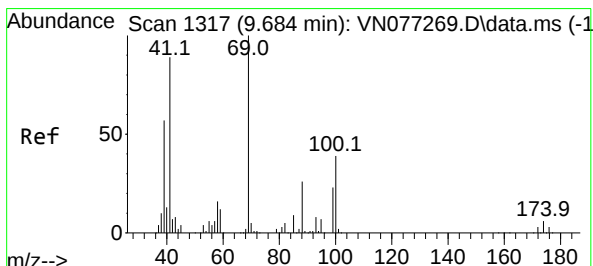
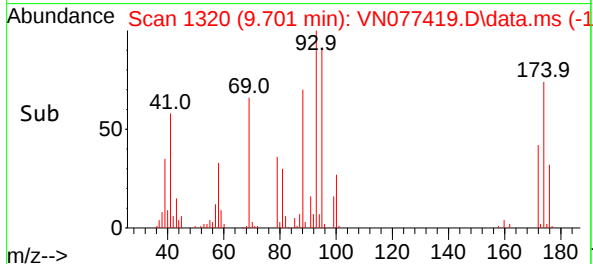
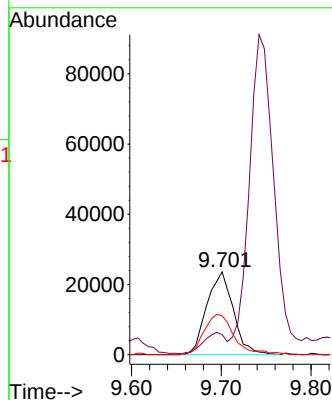
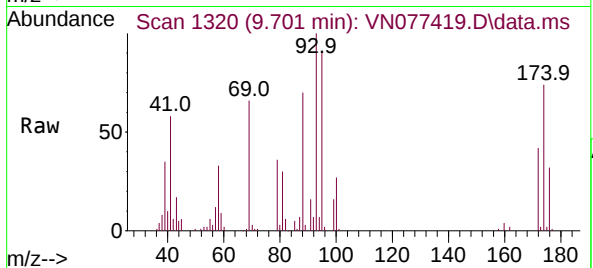
Ion	Ratio	Lower	Upper
88	100		
43	21.5	17.4	26.0
58	52.4	48.2	72.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 04/24/2023

Supervised By :Mahesh Dadoda 04/24/2023



#46

Methyl methacrylate

Concen: 16.404 ug/l

RT: 9.683 min Scan# 1317

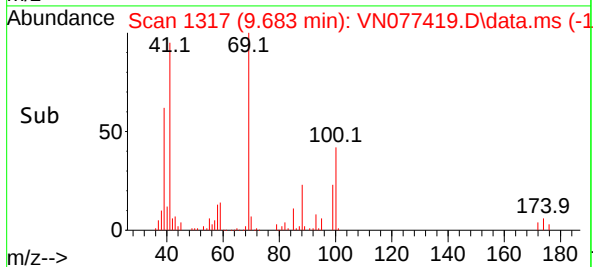
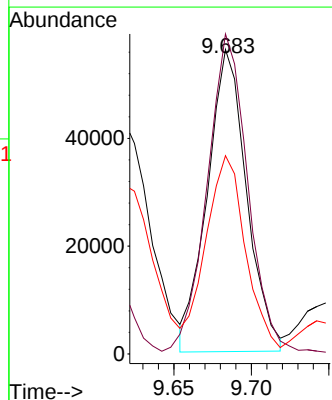
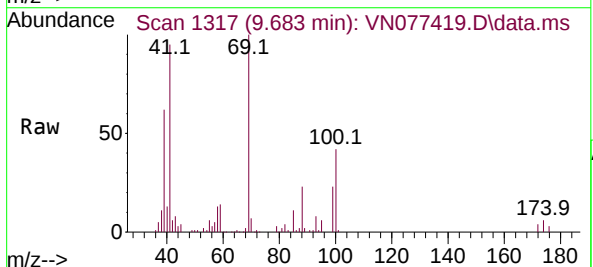
Delta R.T. -0.001 min

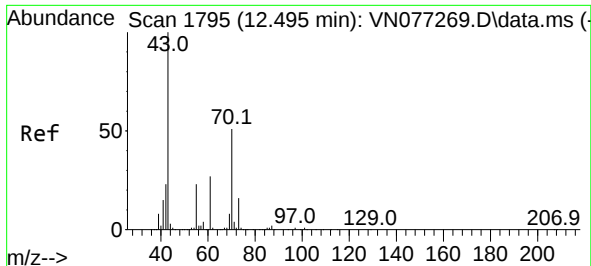
Lab File: VN077419.D

Acq: 21 Apr 2023 11:11

Tgt Ion: 41 Resp: 98764

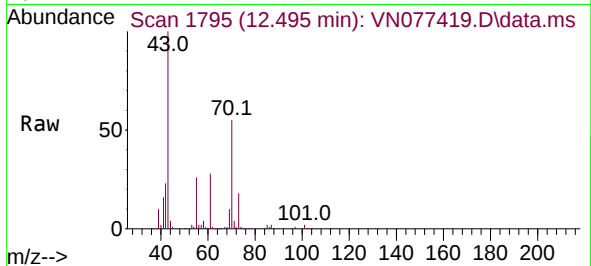
Ion	Ratio	Lower	Upper
41	100		
69	106.3	54.5	163.5
39	66.4	33.4	100.2





#47
n-amy1 Acetate
Concen: 14.681 ug/l
RT: 12.495 min Scan# 1795
Delta R.T. -0.000 min
Lab File: VN077419.D
Acq: 21 Apr 2023 11:11

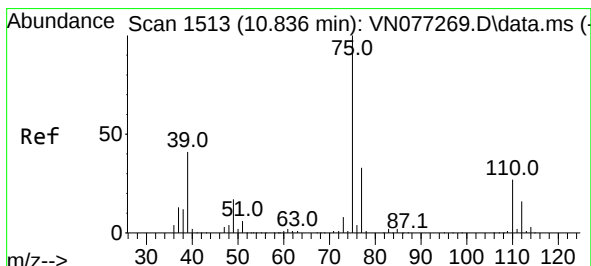
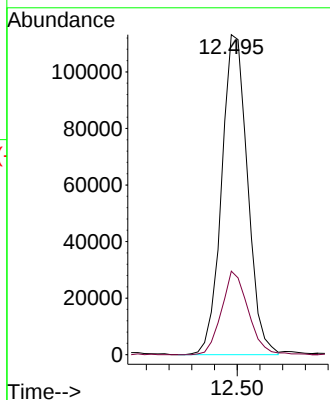
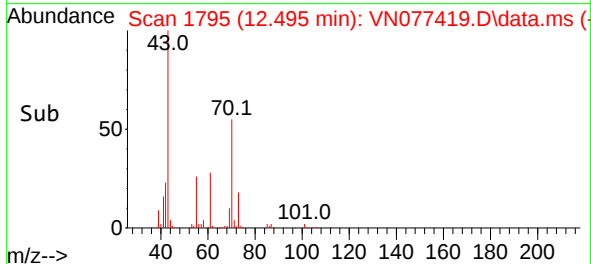
Instrument :
MSVOA_N
ClientSampleId :
VN0421WBSD01



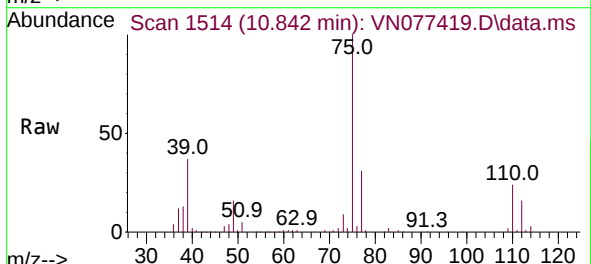
Tgt Ion: 43 Resp: 179410
Ion Ratio Lower Upper
43 100
55 26.9 19.4 29.0

Manual Integrations
APPROVED

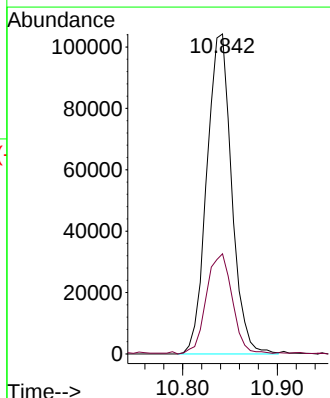
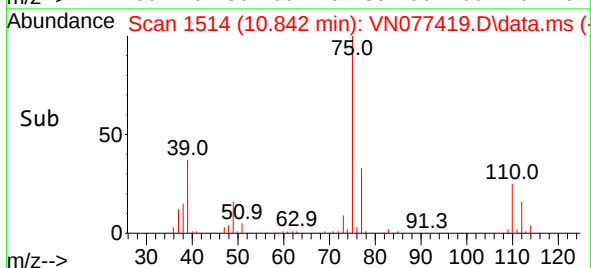
Reviewed By :John Carlone 04/24/2023
Supervised By :Mahesh Dadoda 04/24/2023

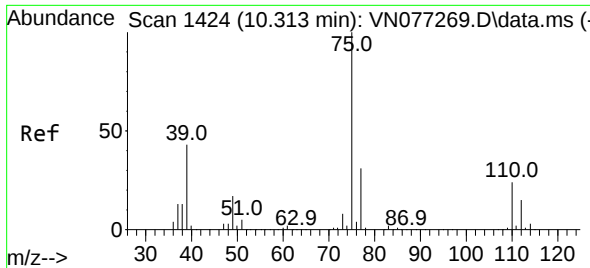


#48
t-1,3-Dichloropropene
Concen: 17.257 ug/l
RT: 10.842 min Scan# 1514
Delta R.T. 0.006 min
Lab File: VN077419.D
Acq: 21 Apr 2023 11:11



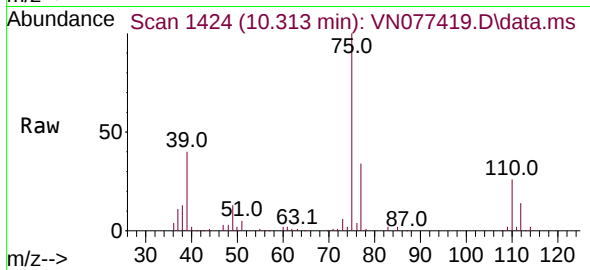
Tgt Ion: 75 Resp: 190268
Ion Ratio Lower Upper
75 100
77 31.3 26.5 39.7





#49
 cis-1,3-Dichloropropene
 Concen: 17.921 ug/l
 RT: 10.313 min Scan# 1424
 Delta R.T. -0.000 min
 Lab File: VN077419.D
 Acq: 21 Apr 2023 11:11

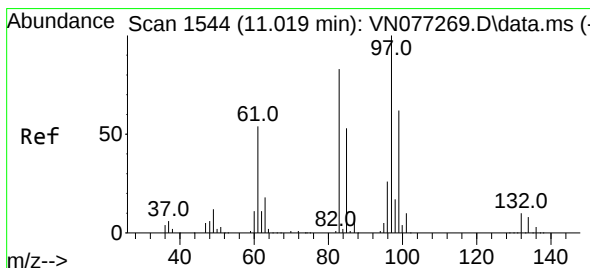
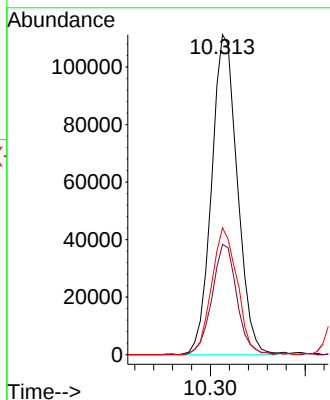
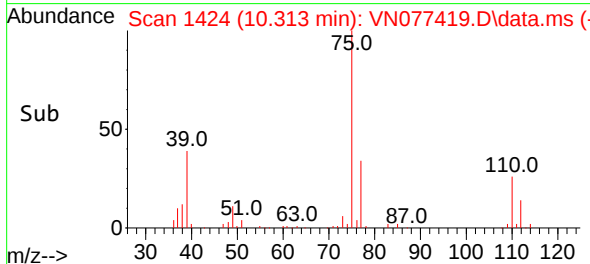
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0421WBSD01



Tgt Ion: 75 Resp: 21020
 Ion Ratio Lower Upper
 75 100
 77 34.5 25.0 37.6
 39 39.7 34.4 51.6

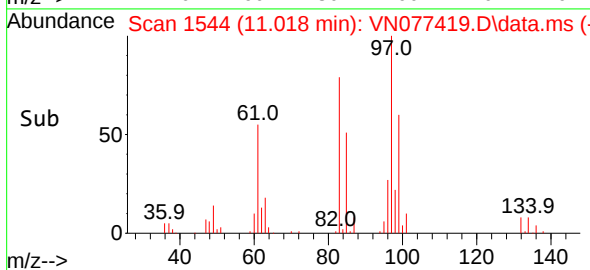
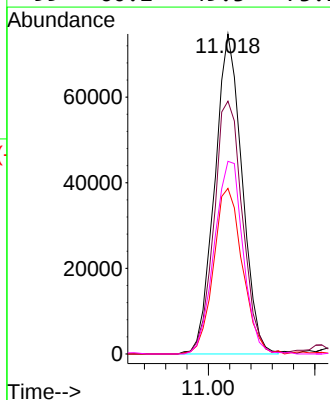
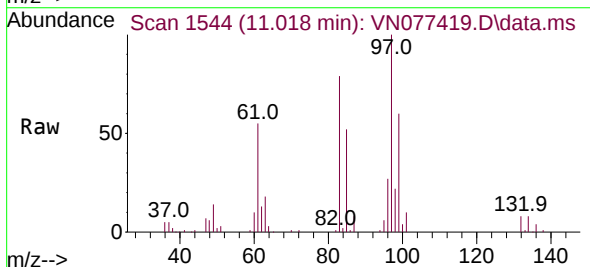
Manual Integrations
 APPROVED

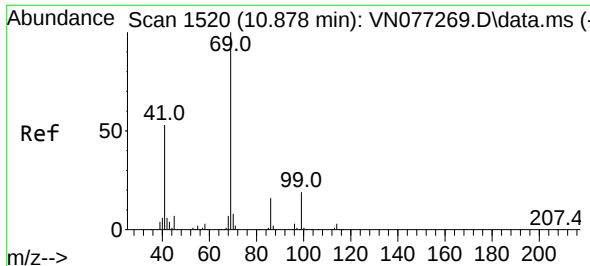
Reviewed By :John Carlone 04/24/2023
 Supervised By :Mahesh Dadoda 04/24/2023



#50
 1,1,2-Trichloroethane
 Concen: 18.605 ug/l
 RT: 11.018 min Scan# 1544
 Delta R.T. -0.001 min
 Lab File: VN077419.D
 Acq: 21 Apr 2023 11:11

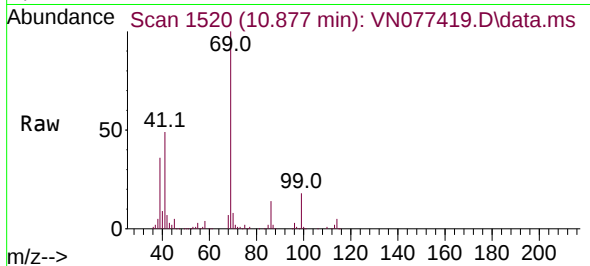
Tgt Ion: 97 Resp: 133510
 Ion Ratio Lower Upper
 97 100
 83 79.0 66.7 100.1
 85 51.7 42.4 63.6
 99 60.2 49.3 73.9





#51
Ethyl methacrylate
Concen: 17.201 ug/l
RT: 10.877 min Scan# 1520
Delta R.T. -0.001 min
Lab File: VN077419.D
Acq: 21 Apr 2023 11:11

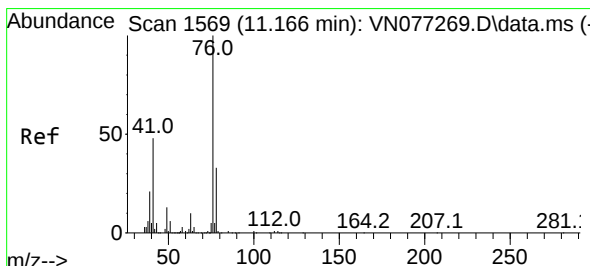
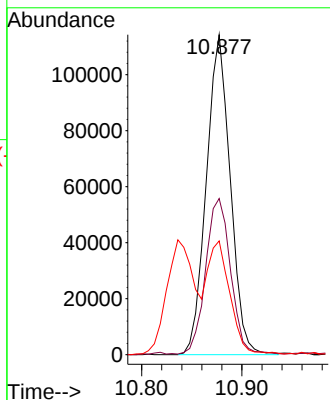
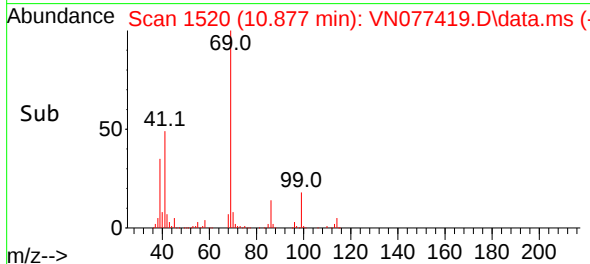
Instrument :
MSVOA_N
ClientSampleId :
VN0421WBSD01



Tgt Ion: 69 Resp: 189564
Ion Ratio Lower Upper
69 100
41 48.6 26.7 80.0
39 35.1 17.0 50.9

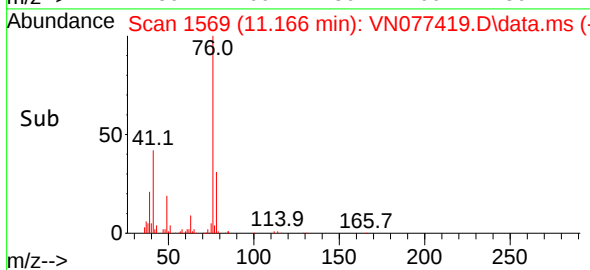
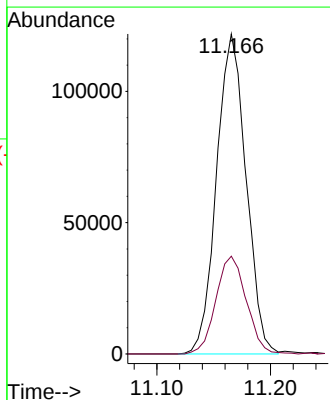
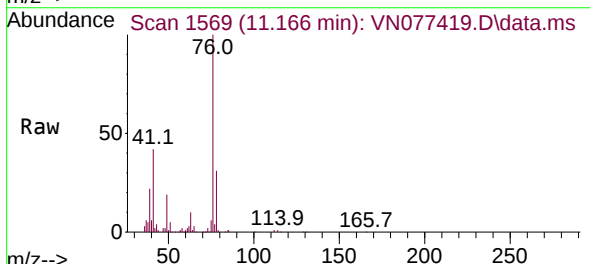
Manual Integrations
APPROVED

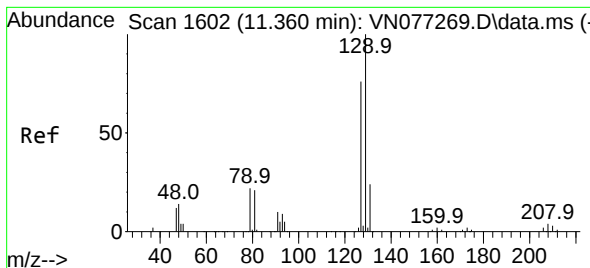
Reviewed By :John Carlone 04/24/2023
Supervised By :Mahesh Dadoda 04/24/2023



#52
1,3-Dichloropropane
Concen: 18.359 ug/l
RT: 11.166 min Scan# 1569
Delta R.T. -0.000 min
Lab File: VN077419.D
Acq: 21 Apr 2023 11:11

Tgt Ion: 76 Resp: 219882
Ion Ratio Lower Upper
76 100
78 31.5 0.0 65.0





#53

Dibromochloromethane

Concen: 18.677 ug/l

RT: 11.360 min Scan# 1

Delta R.T. -0.000 min

Lab File: VN077419.D

Acq: 21 Apr 2023 11:11

Instrument :

MSVOA_N

ClientSampleId :

VN0421WBSD01

Tgt Ion:129 Resp: 14126

Ion Ratio Lower Upper

129 100

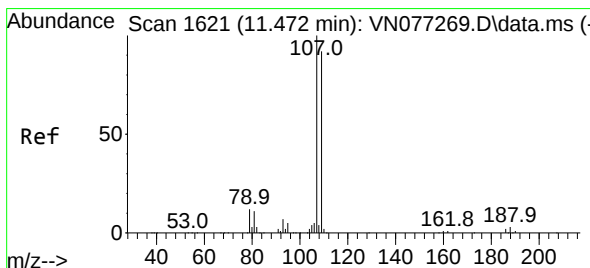
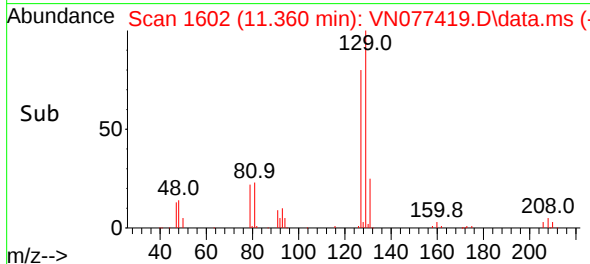
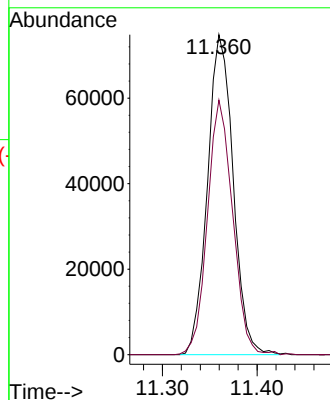
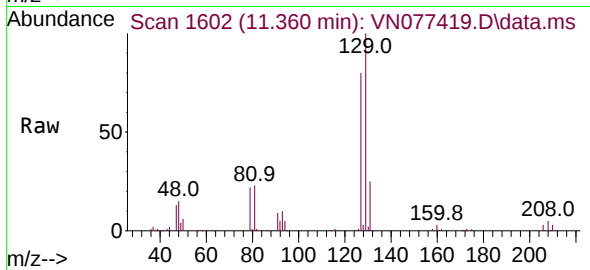
127 77.8 38.6 115.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 04/24/2023

Supervised By :Mahesh Dadoda 04/24/2023



#54

1,2-Dibromoethane

Concen: 18.612 ug/l

RT: 11.471 min Scan# 1621

Delta R.T. -0.001 min

Lab File: VN077419.D

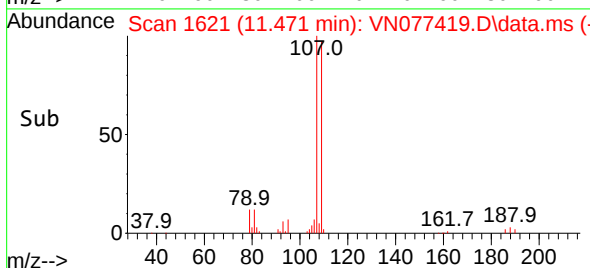
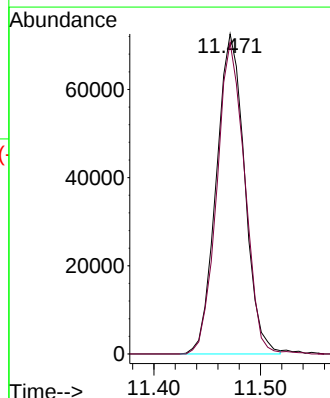
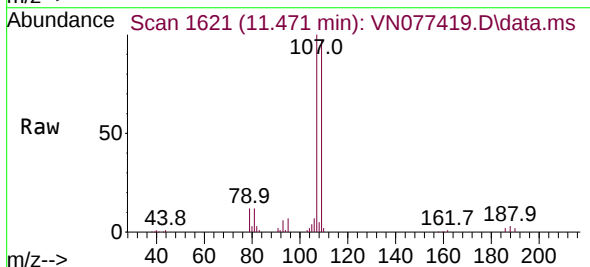
Acq: 21 Apr 2023 11:11

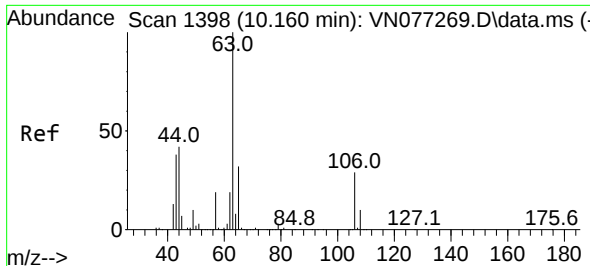
Tgt Ion:107 Resp: 134081

Ion Ratio Lower Upper

107 100

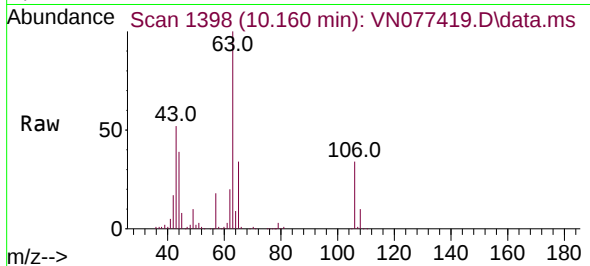
109 95.6 74.1 111.1





#55
2-Chloroethyl vinyl ether
Concen: 91.255 ug/l
RT: 10.160 min Scan# 1398
Delta R.T. -0.000 min
Lab File: VN077419.D
Acq: 21 Apr 2023 11:11

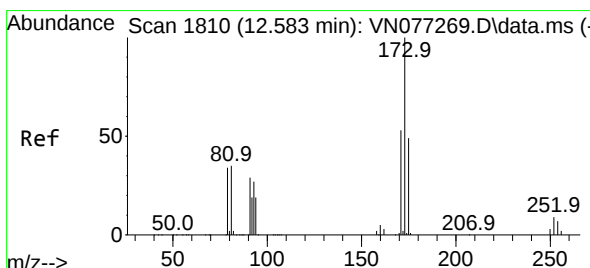
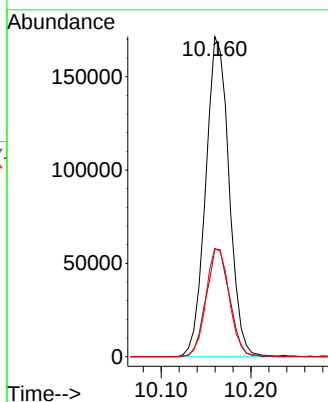
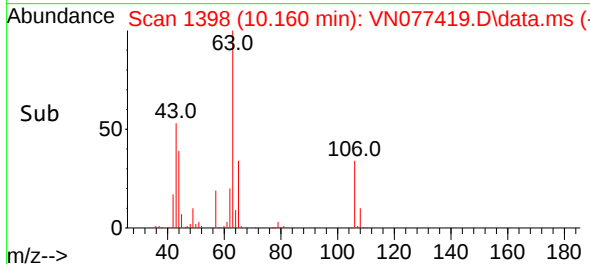
Instrument :
MSVOA_N
ClientSampleId :
VN0421WBSD01



Tgt Ion: 63 Resp: 310490
Ion Ratio Lower Upper
63 100
65 33.8 25.7 38.5
106 33.6 24.0 36.0

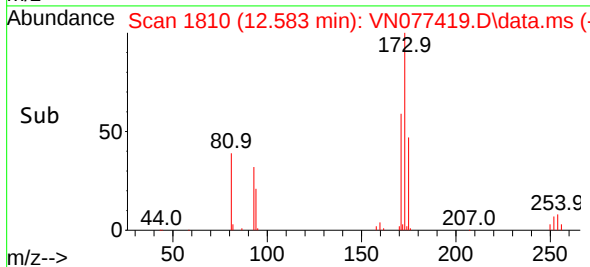
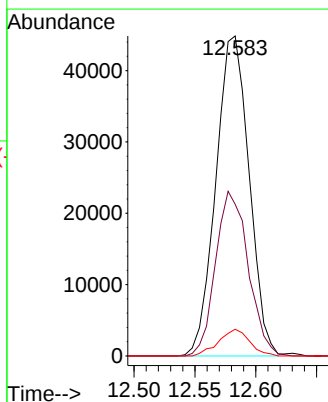
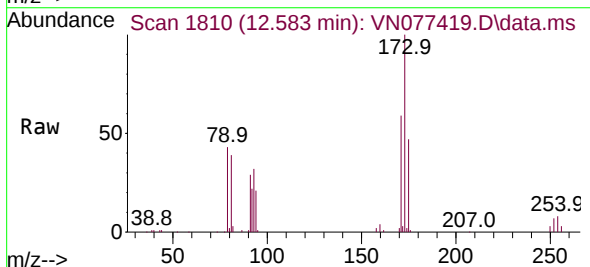
Manual Integrations
APPROVED

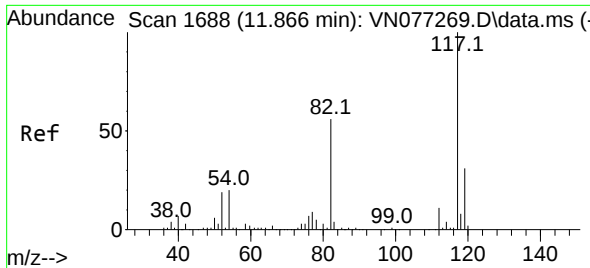
Reviewed By :John Carlone 04/24/2023
Supervised By :Mahesh Dadoda 04/24/2023



#56
Bromoform
Concen: 16.795 ug/l
RT: 12.583 min Scan# 1810
Delta R.T. 0.000 min
Lab File: VN077419.D
Acq: 21 Apr 2023 11:11

Tgt Ion:173 Resp: 85329
Ion Ratio Lower Upper
173 100
175 50.4 38.2 57.2
254 7.8 6.0 9.0





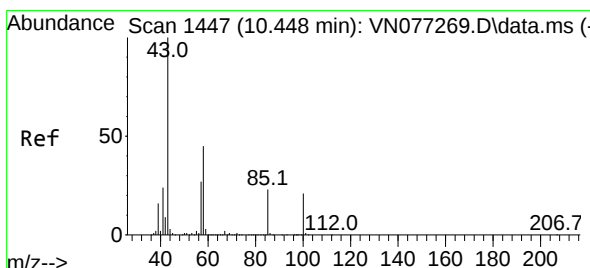
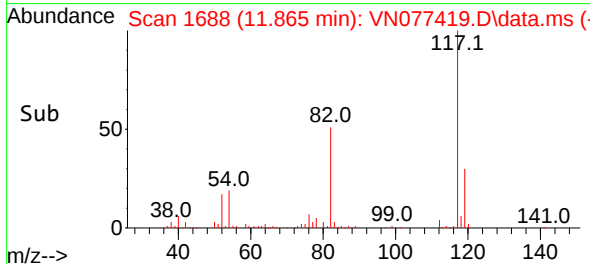
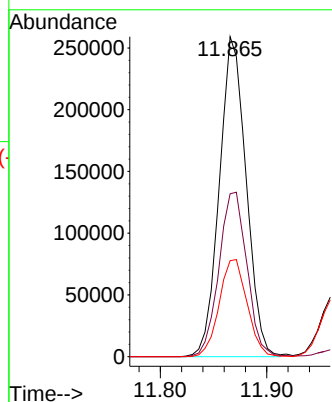
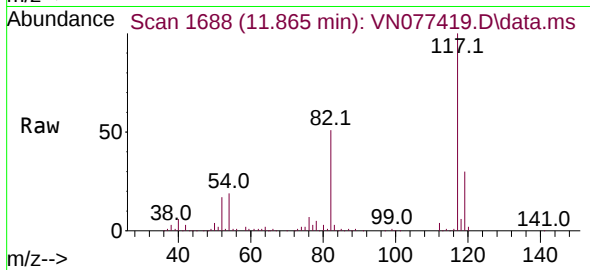
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.865 min Scan# 117
Delta R.T. -0.001 min
Lab File: VN077419.D
Acq: 21 Apr 2023 11:11

Instrument :
MSVOA_N
ClientSampleId :
VN0421WBSD01

Tgt Ion:117 Resp: 45282
Ion Ratio Lower Upper
117 100
82 53.8 43.8 65.8
119 31.7 25.4 38.0

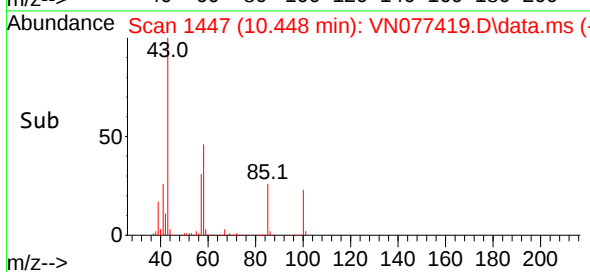
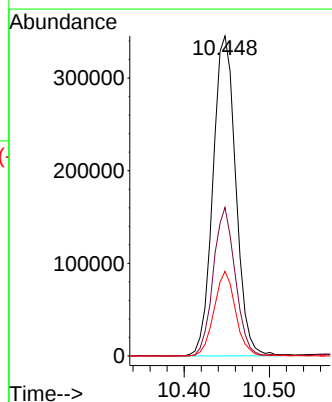
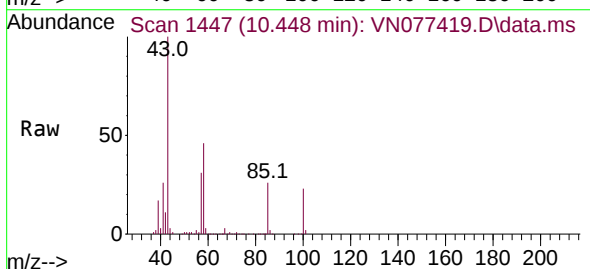
Manual Integrations
APPROVED

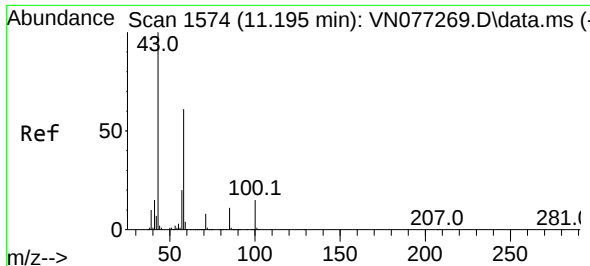
Reviewed By :John Carlone 04/24/2023
Supervised By :Mahesh Dadoda 04/24/2023



#58
4-Methyl-2-Pentanone
Concen: 75.858 ug/l
RT: 10.448 min Scan# 1447
Delta R.T. -0.000 min
Lab File: VN077419.D
Acq: 21 Apr 2023 11:11

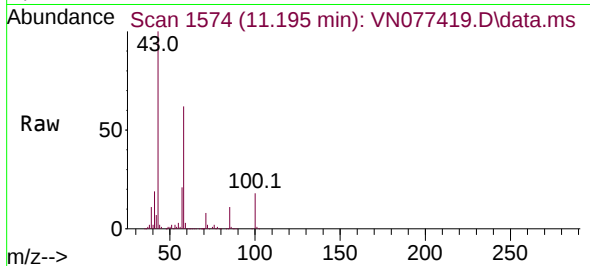
Tgt Ion: 43 Resp: 643150
Ion Ratio Lower Upper
43 100
58 44.6 34.7 52.1
85 24.9 17.8 26.8





#59
2-Hexanone
Concen: 71.451 ug/l
RT: 11.195 min Scan# 1574
Delta R.T. -0.000 min
Lab File: VN077419.D
Acq: 21 Apr 2023 11:11

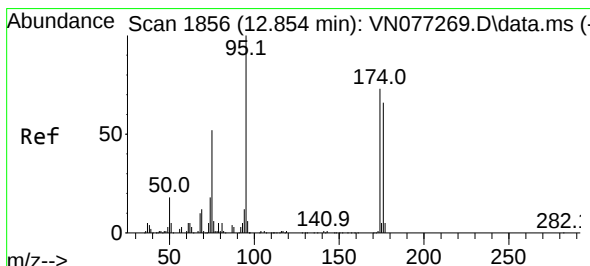
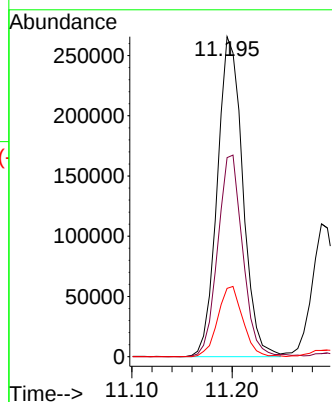
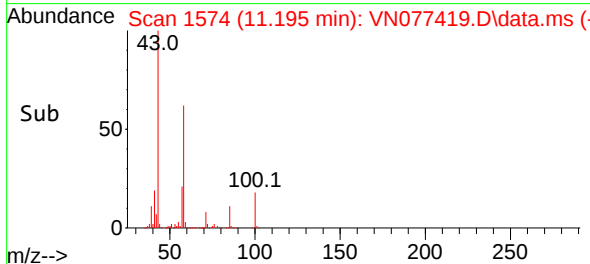
Instrument :
MSVOA_N
ClientSampleId :
VN0421WBSD01



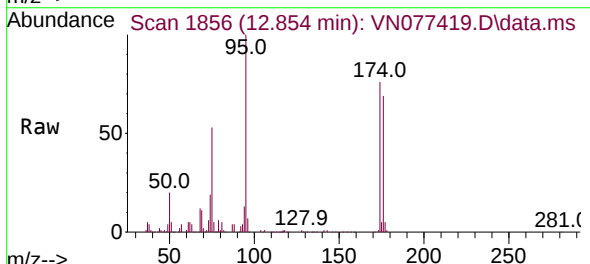
Tgt Ion: 43 Resp: 46825
Ion Ratio Lower Upper
43 100
58 61.7 48.6 73.0
57 21.4 16.7 25.1

Manual Integrations
APPROVED

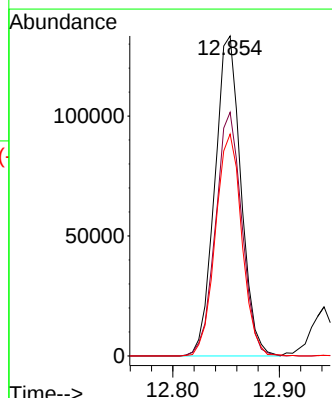
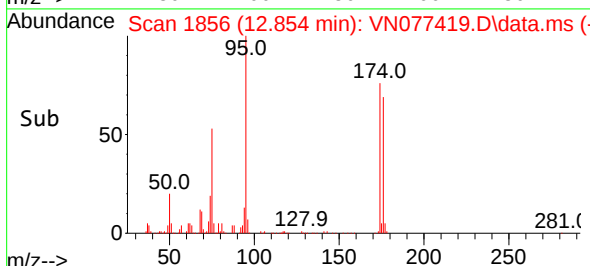
Reviewed By :John Carlone 04/24/2023
Supervised By :Mahesh Dadoda 04/24/2023

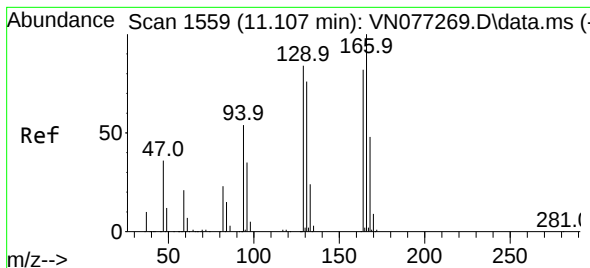


#60
4-Bromofluorobenzene
Concen: 28.996 ug/l
RT: 12.854 min Scan# 1856
Delta R.T. -0.000 min
Lab File: VN077419.D
Acq: 21 Apr 2023 11:11



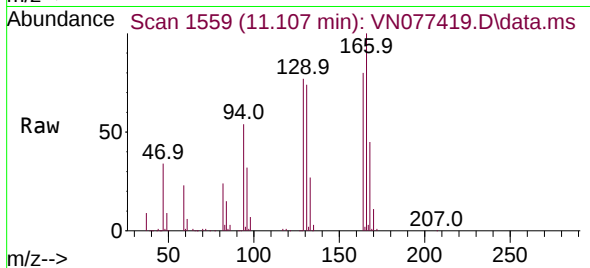
Tgt Ion: 95 Resp: 227038
Ion Ratio Lower Upper
95 100
174 76.6 57.8 86.8
176 70.0 54.6 81.8





#61
Tetrachloroethene
Concen: 18.265 ug/l
RT: 11.107 min Scan# 1559
Delta R.T. -0.000 min
Lab File: VN077419.D
Acq: 21 Apr 2023 11:11

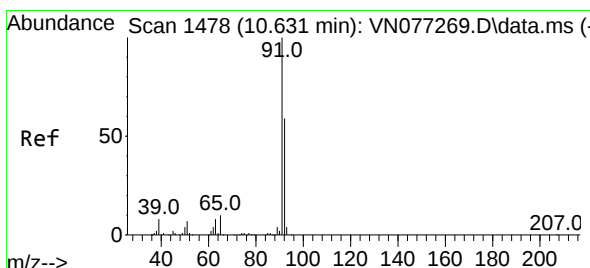
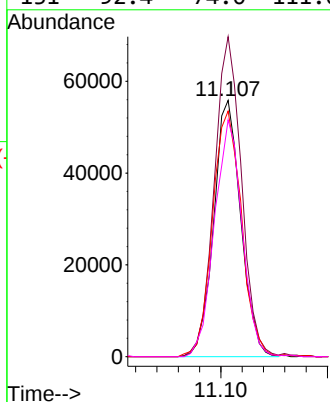
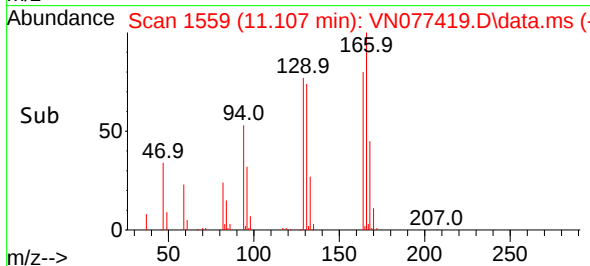
Instrument :
MSVOA_N
ClientSampleId :
VN0421WBSD01



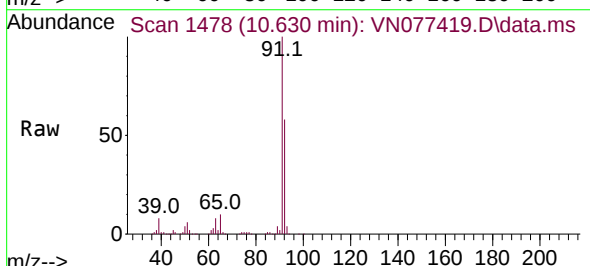
Tgt Ion:164 Resp: 9837
Ion Ratio Lower Upper
164 100
166 124.9 97.9 146.9
129 95.9 82.5 123.7
131 92.4 74.0 111.0

Manual Integrations
APPROVED

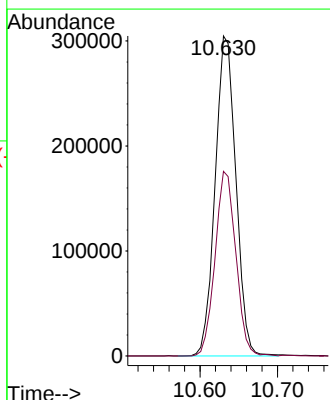
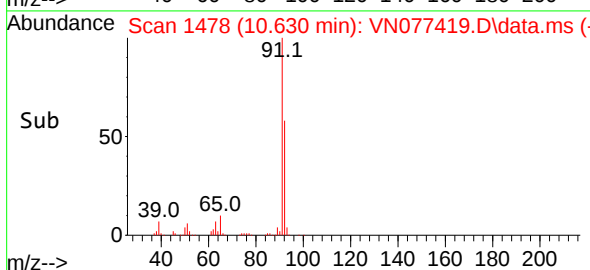
Reviewed By :John Carlone 04/24/2023
Supervised By :Mahesh Dadoda 04/24/2023

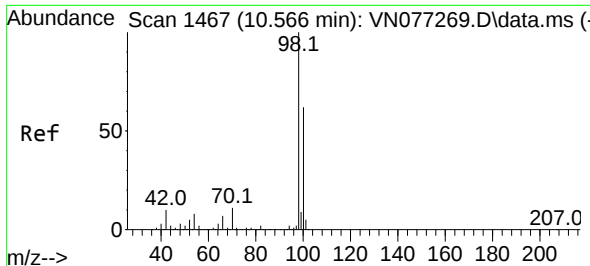


#62
Toluene
Concen: 17.948 ug/l
RT: 10.630 min Scan# 1478
Delta R.T. -0.001 min
Lab File: VN077419.D
Acq: 21 Apr 2023 11:11



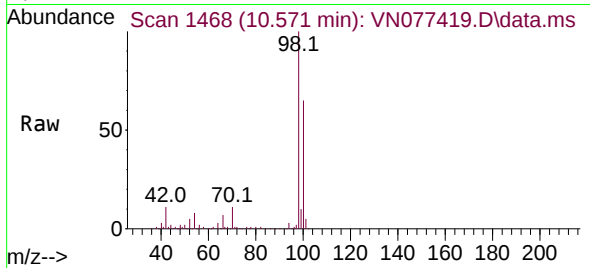
Tgt Ion: 91 Resp: 567065
Ion Ratio Lower Upper
91 100
92 57.5 46.6 70.0





#63
Toluene-d8
Concen: 28.857 ug/l
RT: 10.571 min Scan# 1468
Delta R.T. 0.005 min
Lab File: VN077419.D
Acq: 21 Apr 2023 11:11

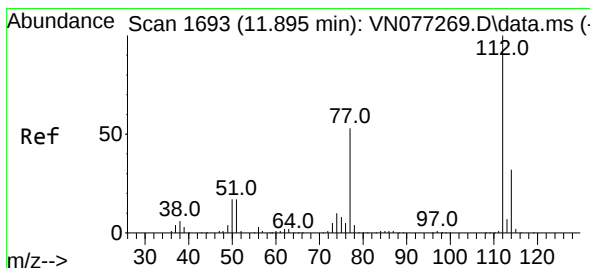
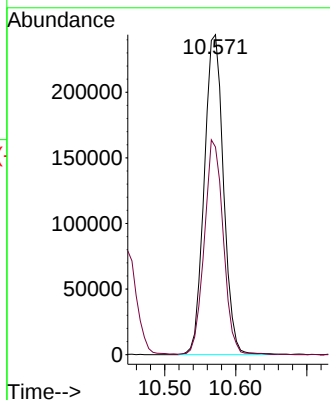
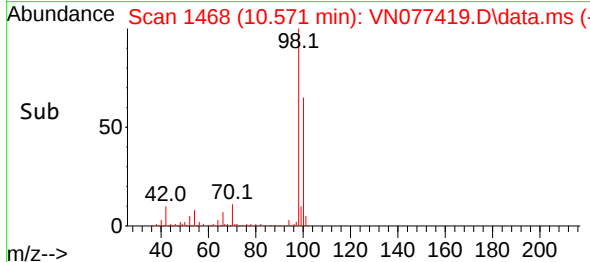
Instrument :
MSVOA_N
ClientSampleId :
VN0421WBSD01



Tgt Ion: 98 Resp: 459374
Ion Ratio Lower Upper
98 100
100 66.1 51.4 77.2

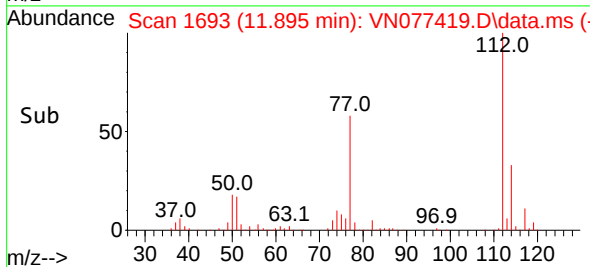
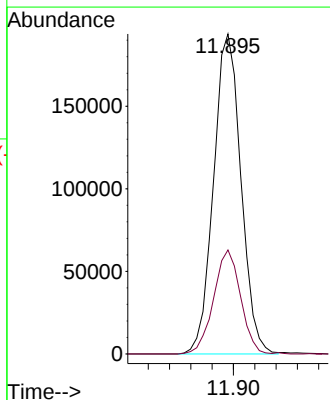
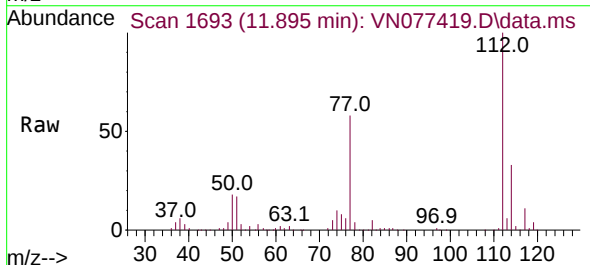
Manual Integrations
APPROVED

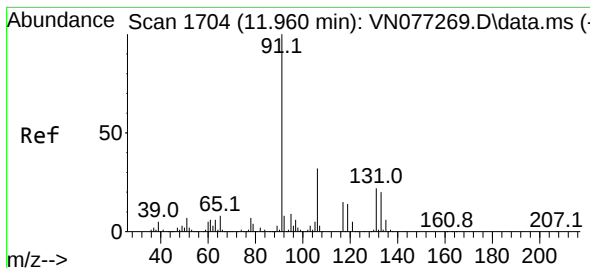
Reviewed By :John Carlone 04/24/2023
Supervised By :Mahesh Dadoda 04/24/2023



#64
Chlorobenzene
Concen: 18.006 ug/l
RT: 11.895 min Scan# 1693
Delta R.T. -0.000 min
Lab File: VN077419.D
Acq: 21 Apr 2023 11:11

Tgt Ion:112 Resp: 345628
Ion Ratio Lower Upper
112 100
114 32.5 25.6 38.4





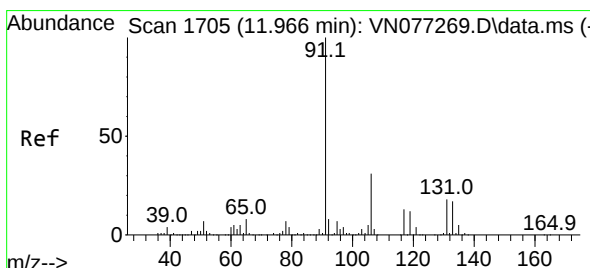
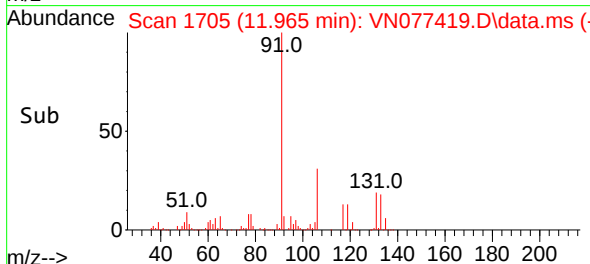
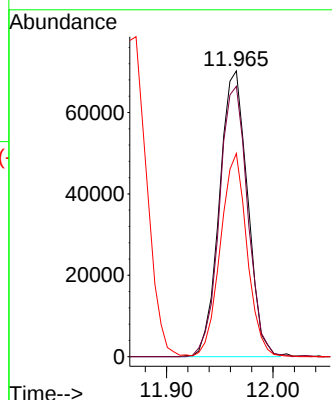
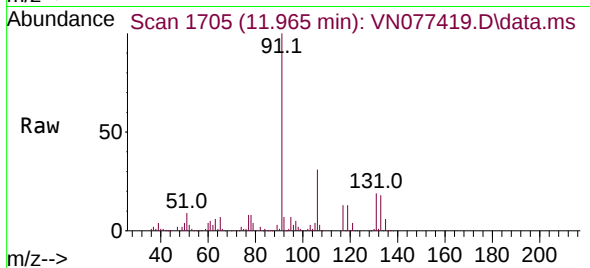
#65
1,1,1,2-Tetrachloroethane
Concen: 18.235 ug/l
RT: 11.965 min Scan# 1705
Delta R.T. 0.005 min
Lab File: VN077419.D
Acq: 21 Apr 2023 11:11

Instrument :
MSVOA_N
ClientSampleId :
VN0421WBSD01

Tgt Ion:131 Resp: 128714
Ion Ratio Lower Upper
131 100
133 95.2 0.0 184.4
119 67.3 0.0 134.8

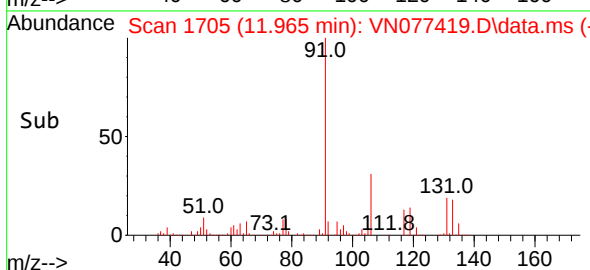
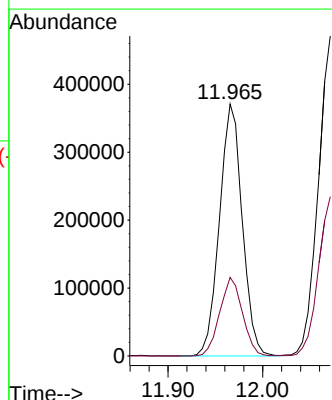
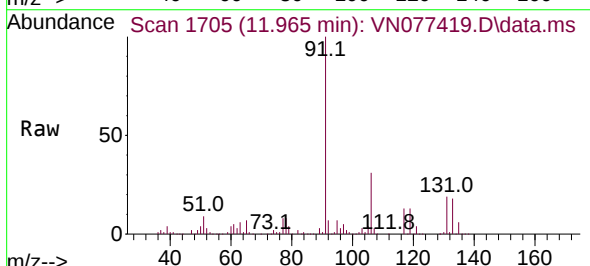
Manual Integrations
APPROVED

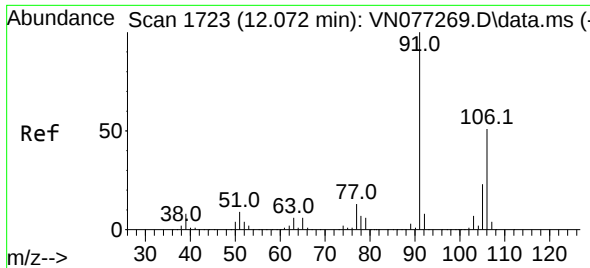
Reviewed By :John Carlone 04/24/2023
Supervised By :Mahesh Dadoda 04/24/2023



#66
Ethyl Benzene
Concen: 17.731 ug/l
RT: 11.965 min Scan# 1705
Delta R.T. -0.001 min
Lab File: VN077419.D
Acq: 21 Apr 2023 11:11

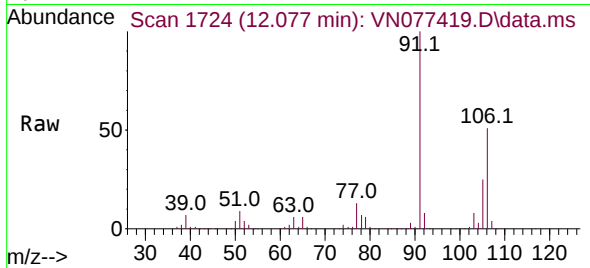
Tgt Ion: 91 Resp: 620625
Ion Ratio Lower Upper
91 100
106 31.2 25.0 37.6





#67
m/p-Xylenes
Concen: 35.482 ug/l
RT: 12.077 min Scan# 1723
Delta R.T. 0.005 min
Lab File: VN077419.D
Acq: 21 Apr 2023 11:11

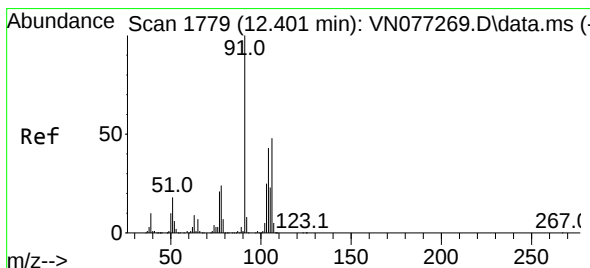
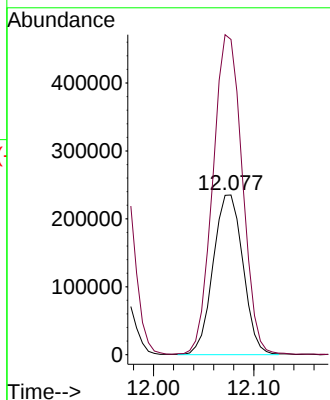
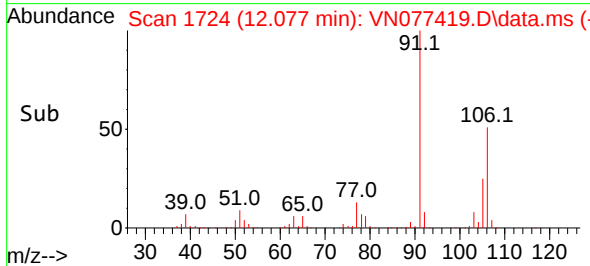
Instrument :
MSVOA_N
ClientSampleId :
VN0421WBSD01



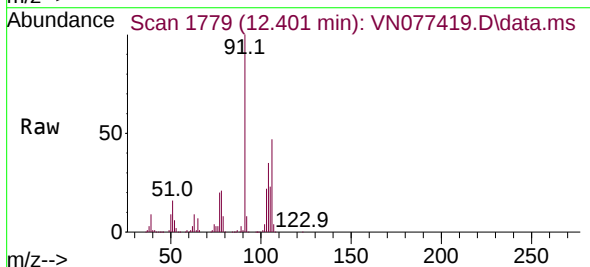
Tgt Ion:106 Resp: 486809
Ion Ratio Lower Upper
106 100
91 197.9 158.0 237.0

Manual Integrations
APPROVED

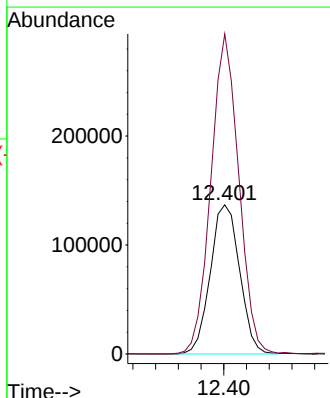
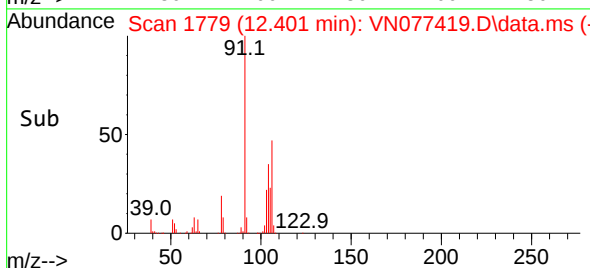
Reviewed By :John Carlone 04/24/2023
Supervised By :Mahesh Dadoda 04/24/2023

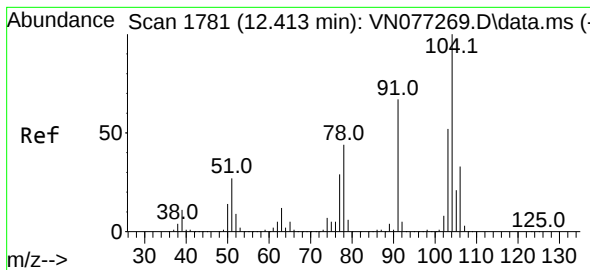


#68
o-Xylene
Concen: 17.856 ug/l
RT: 12.401 min Scan# 1779
Delta R.T. -0.000 min
Lab File: VN077419.D
Acq: 21 Apr 2023 11:11



Tgt Ion:106 Resp: 245092
Ion Ratio Lower Upper
106 100
91 204.5 103.6 310.8





#69

Styrene

Concen: 17.521 ug/l

RT: 12.413 min Scan# 11

Delta R.T. -0.001 min

Lab File: VN077419.D

Acq: 21 Apr 2023 11:11

Instrument :

MSVOA_N

ClientSampleId :

VN0421WBSD01

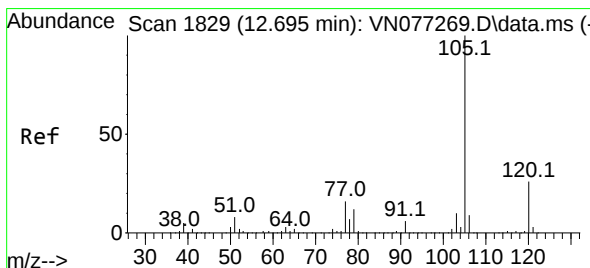
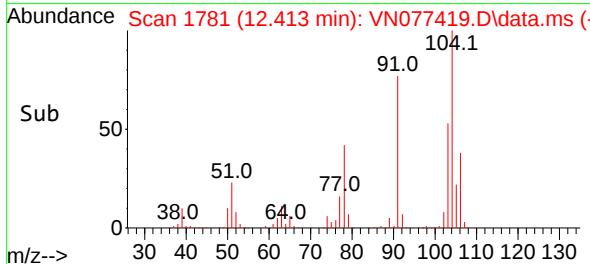
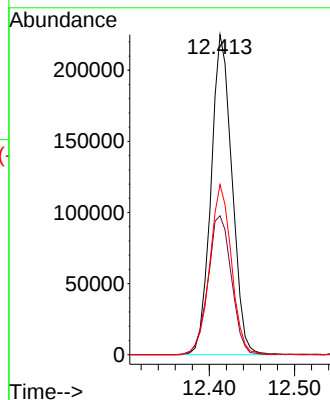
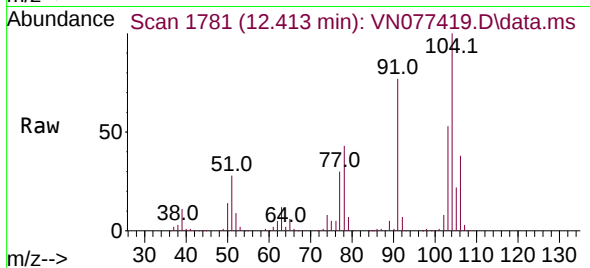
Tgt Ion:104 Resp: 385300
 Ion Ratio Lower Upper
 104 100
 78 48.3 38.2 57.4
 103 54.7 43.6 65.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 04/24/2023

Supervised By :Mahesh Dadoda 04/24/2023



#70

Isopropylbenzene

Concen: 17.960 ug/l

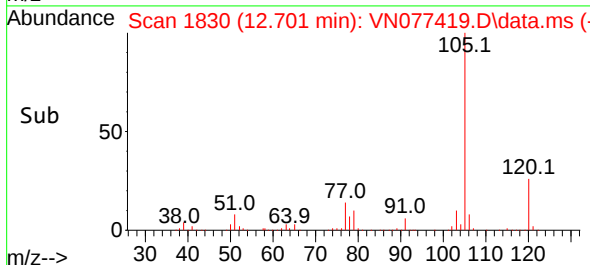
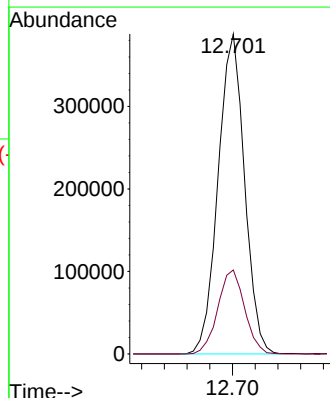
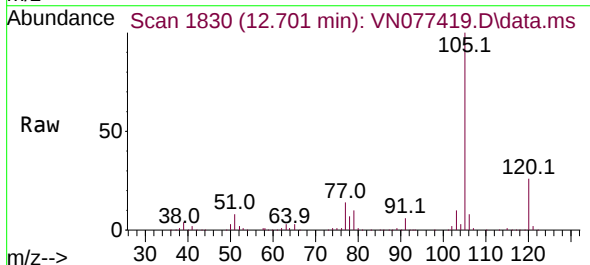
RT: 12.701 min Scan# 1830

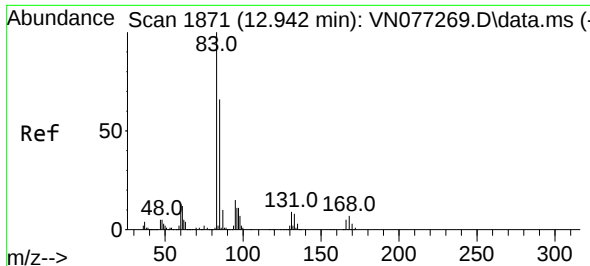
Delta R.T. 0.006 min

Lab File: VN077419.D

Acq: 21 Apr 2023 11:11

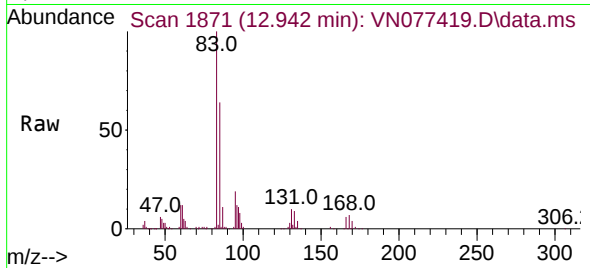
Tgt Ion:105 Resp: 625612
 Ion Ratio Lower Upper
 105 100
 120 26.6 18.3 34.1





#71
1,1,2,2-Tetrachloroethane
Concen: 17.771 ug/l
RT: 12.942 min Scan# 1871
Delta R.T. -0.000 min
Lab File: VN077419.D
Acq: 21 Apr 2023 11:11

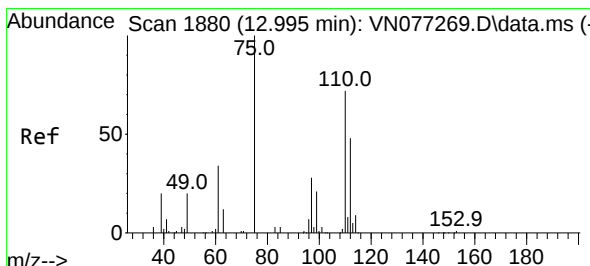
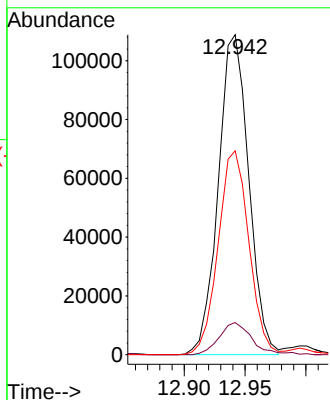
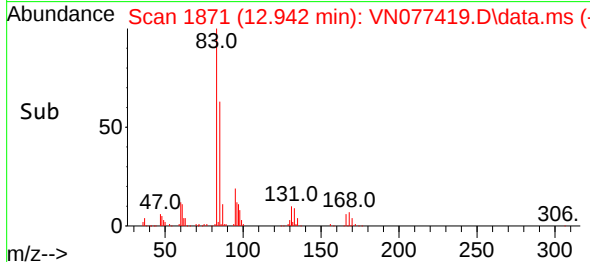
Instrument :
MSVOA_N
ClientSampleId :
VN0421WBSD01



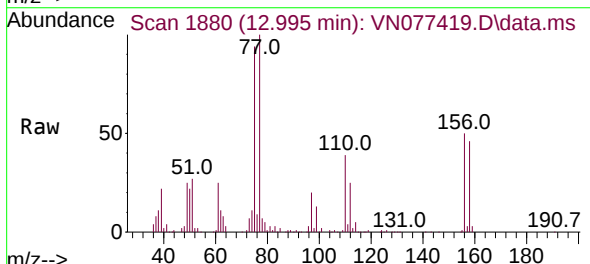
Tgt Ion: 83 Resp: 18957
Ion Ratio Lower Upper
83 100
131 10.5 4.7 14.0
85 64.3 32.3 96.8

Manual Integrations
APPROVED

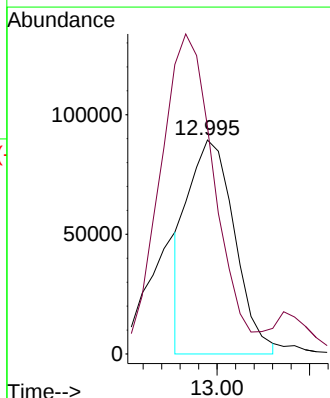
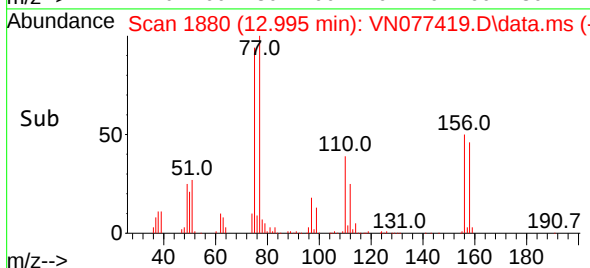
Reviewed By :John Carlone 04/24/2023
Supervised By :Mahesh Dadoda 04/24/2023

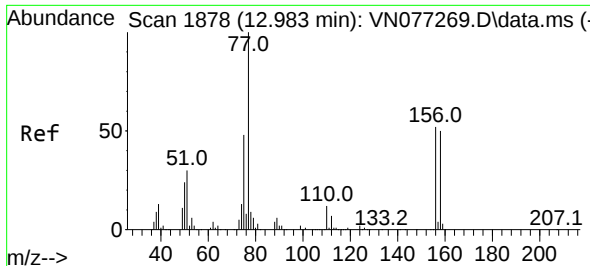


#72
1,2,3-Trichloropropane
Concen: 21.635 ug/l m
RT: 12.995 min Scan# 1880
Delta R.T. -0.000 min
Lab File: VN077419.D
Acq: 21 Apr 2023 11:11



Tgt Ion: 75 Resp: 156881
Ion Ratio Lower Upper
75 100
77 174.2 0.0 434.2





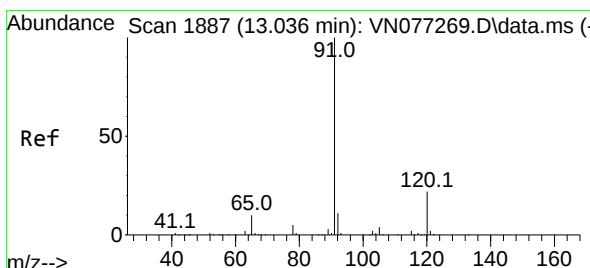
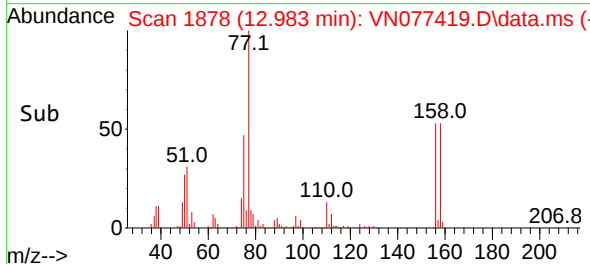
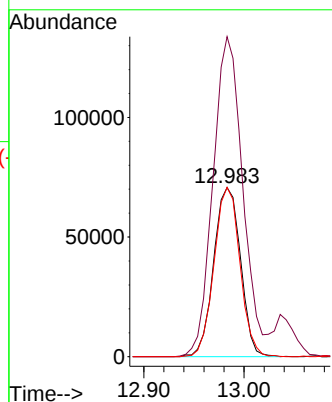
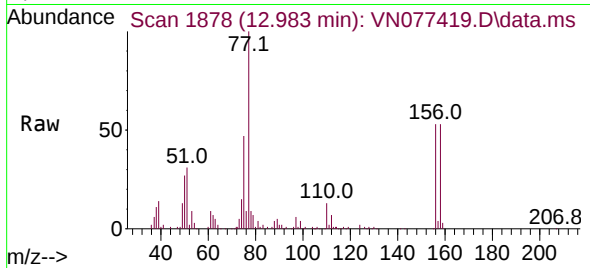
#73
Bromobenzene
Concen: 18.521 ug/l
RT: 12.983 min Scan# 1878
Delta R.T. 0.000 min
Lab File: VN077419.D
Acq: 21 Apr 2023 11:11

Instrument :
MSVOA_N
ClientSampleId :
VN0421WBSD01

Tgt Ion:156 Resp: 131070
Ion Ratio Lower Upper
156 100
77 208.5 0.0 456.6
158 96.8 0.0 195.6

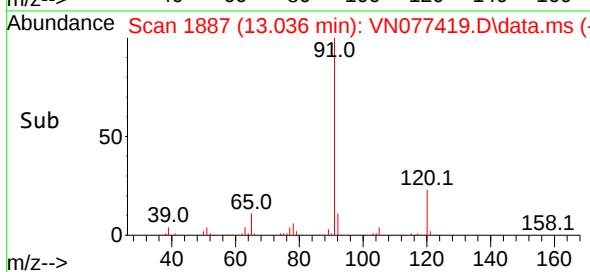
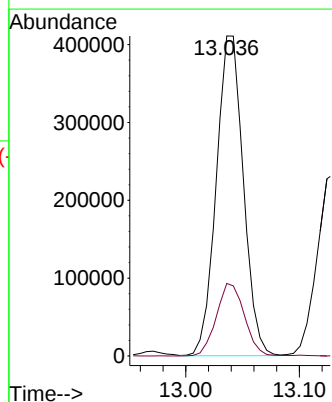
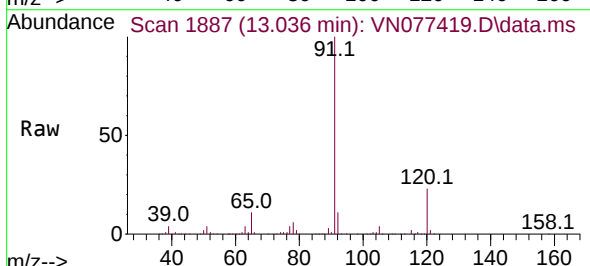
Manual Integrations
APPROVED

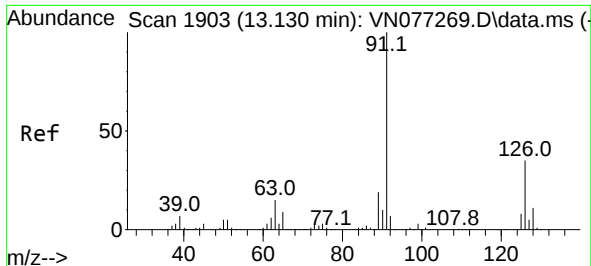
Reviewed By :John Carlone 04/24/2023
Supervised By :Mahesh Dadoda 04/24/2023



#74
n-propylbenzene
Concen: 17.671 ug/l
RT: 13.036 min Scan# 1887
Delta R.T. -0.000 min
Lab File: VN077419.D
Acq: 21 Apr 2023 11:11

Tgt Ion: 91 Resp: 681066
Ion Ratio Lower Upper
91 100
120 23.4 0.0 45.6





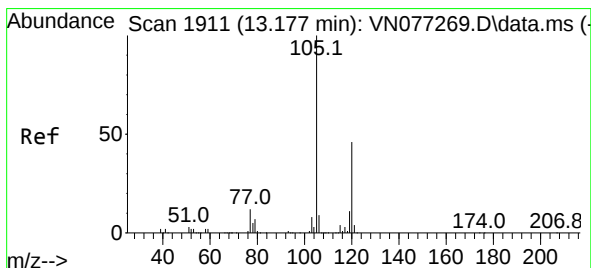
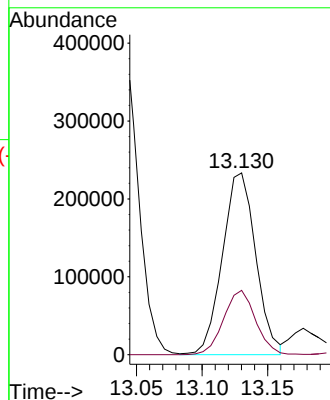
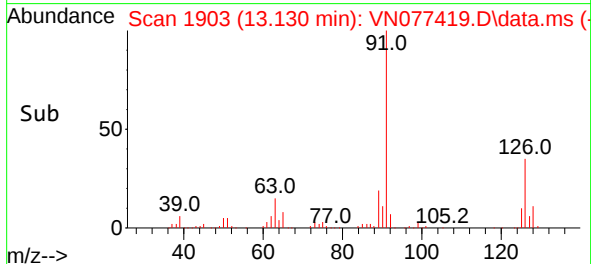
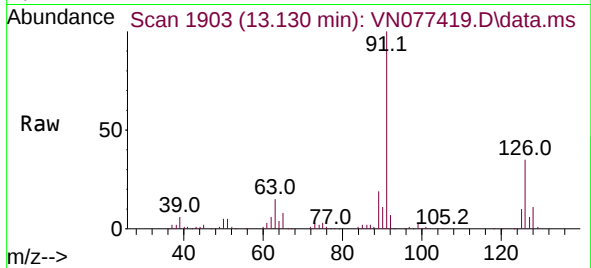
#75
2-Chlorotoluene
Concen: 17.906 ug/l
RT: 13.130 min Scan# 1903
Delta R.T. 0.000 min
Lab File: VN077419.D
Acq: 21 Apr 2023 11:11

Instrument :
MSVOA_N
ClientSampleId :
VN0421WBSD01

Tgt Ion: 91 Resp: 413429
Ion Ratio Lower Upper
91 100
126 33.9 0.0 67.0

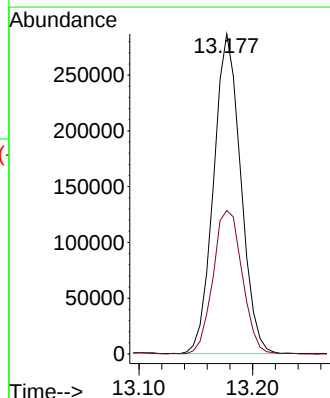
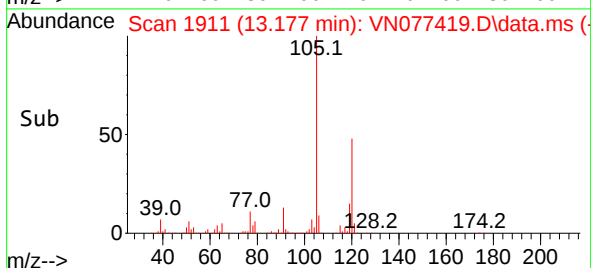
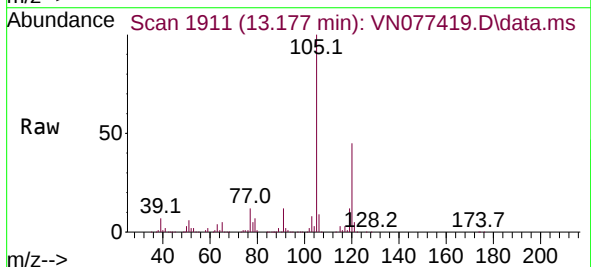
Manual Integrations
APPROVED

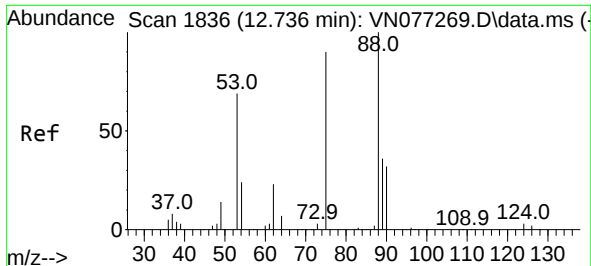
Reviewed By :John Carlone 04/24/2023
Supervised By :Mahesh Dadoda 04/24/2023



#76
1,3,5-Trimethylbenzene
Concen: 16.807 ug/l
RT: 13.177 min Scan# 1911
Delta R.T. 0.000 min
Lab File: VN077419.D
Acq: 21 Apr 2023 11:11

Tgt Ion:105 Resp: 476508
Ion Ratio Lower Upper
105 100
120 48.1 0.0 94.4





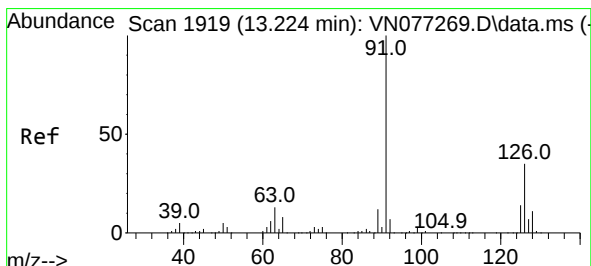
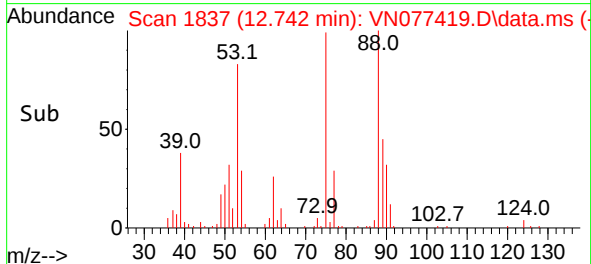
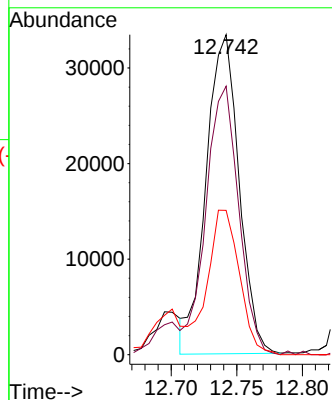
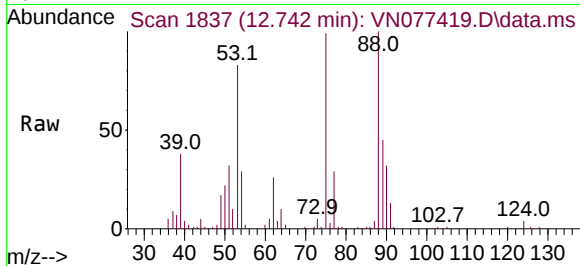
#77
t-1,4-Dichloro-2-butene
Concen: 15.806 ug/l
RT: 12.742 min Scan# 1837
Delta R.T. 0.006 min
Lab File: VN077419.D
Acq: 21 Apr 2023 11:11

Instrument :
MSVOA_N
ClientSampleId :
VN0421WBSD01

Tgt Ion: 75 Resp: 58379
Ion Ratio Lower Upper
75 100
53 84.3 38.8 116.4
89 45.3 23.2 69.6

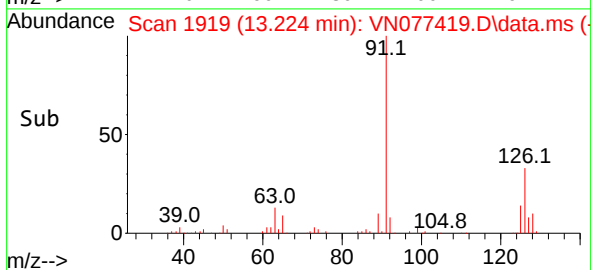
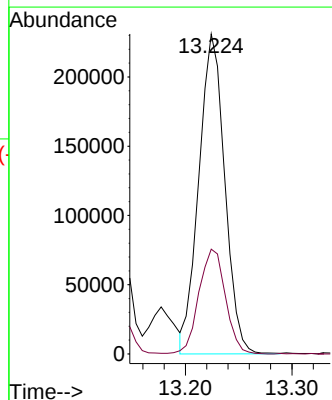
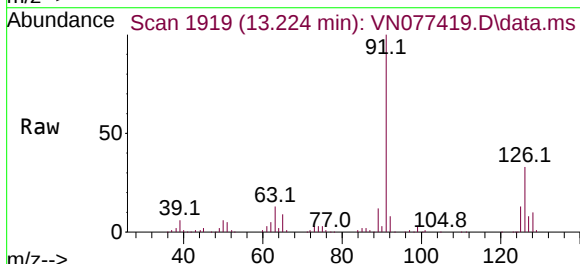
Manual Integrations
APPROVED

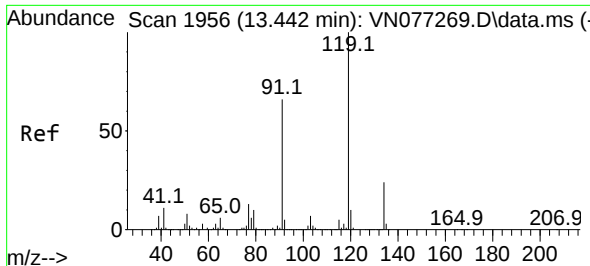
Reviewed By :John Carlone 04/24/2023
Supervised By :Mahesh Dadoda 04/24/2023



#78
4-Chlorotoluene
Concen: 17.903 ug/l
RT: 13.224 min Scan# 1919
Delta R.T. 0.000 min
Lab File: VN077419.D
Acq: 21 Apr 2023 11:11

Tgt Ion: 91 Resp: 390583
Ion Ratio Lower Upper
91 100
126 33.6 0.0 67.4





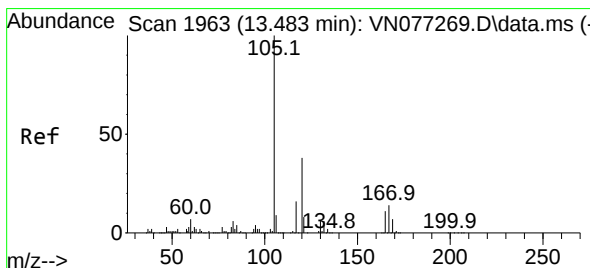
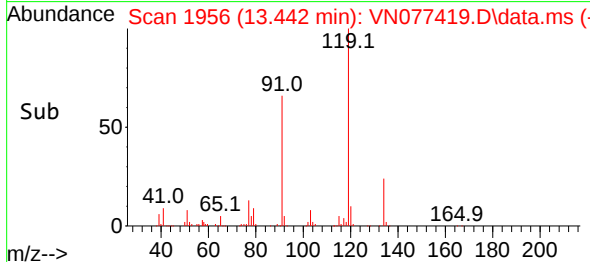
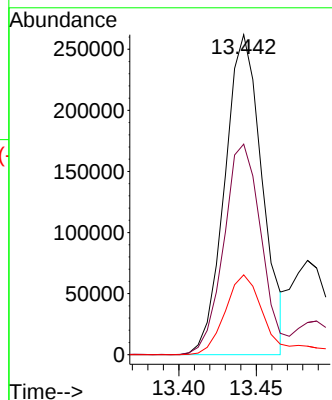
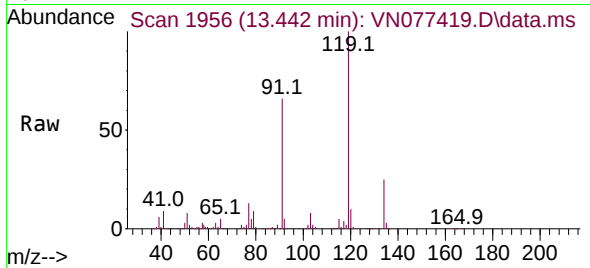
#79
tert-butylbenzene
Concen: 17.864 ug/l
RT: 13.442 min Scan# 1956
Delta R.T. -0.000 min
Lab File: VN077419.D
Acq: 21 Apr 2023 11:11

Instrument :
MSVOA_N
ClientSampleId :
VN0421WBSD01

Tgt Ion:119 Resp: 440782
Ion Ratio Lower Upper
119 100
91 66.4 0.0 131.0
134 24.7 0.0 49.8

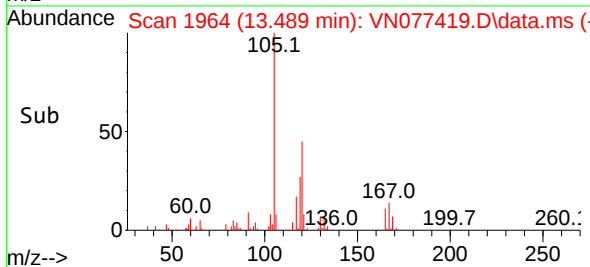
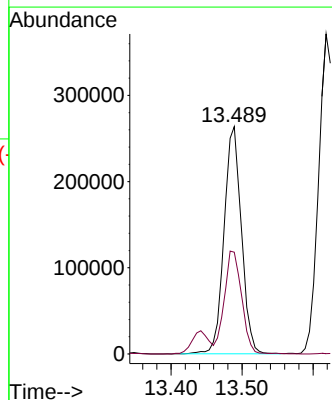
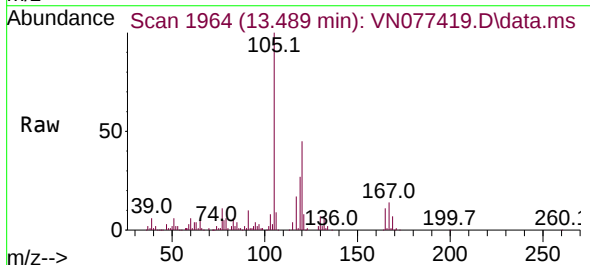
Manual Integrations
APPROVED

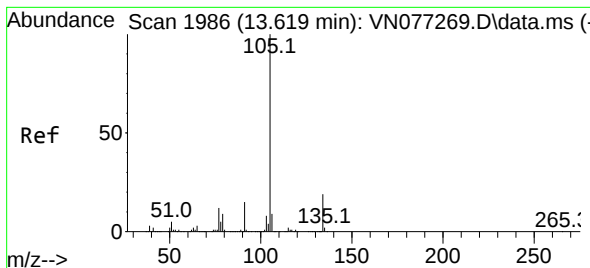
Reviewed By :John Carlone 04/24/2023
Supervised By :Mahesh Dadoda 04/24/2023



#80
1,2,4-Trimethylbenzene
Concen: 16.150 ug/l
RT: 13.489 min Scan# 1964
Delta R.T. 0.006 min
Lab File: VN077419.D
Acq: 21 Apr 2023 11:11

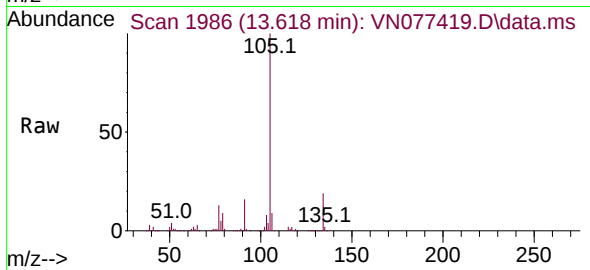
Tgt Ion:105 Resp: 446353
Ion Ratio Lower Upper
105 100
120 44.8 0.0 91.0





#81
 sec-Butylbenzene
 Concen: 17.345 ug/l
 RT: 13.618 min Scan# 1986
 Delta R.T. -0.001 min
 Lab File: VN077419.D
 Acq: 21 Apr 2023 11:11

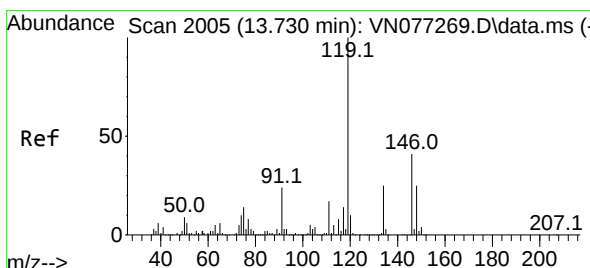
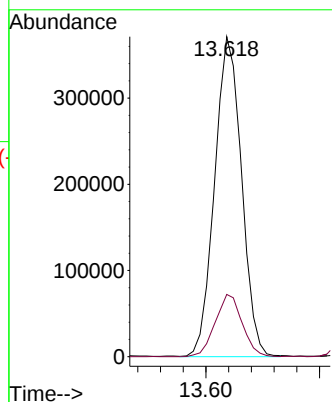
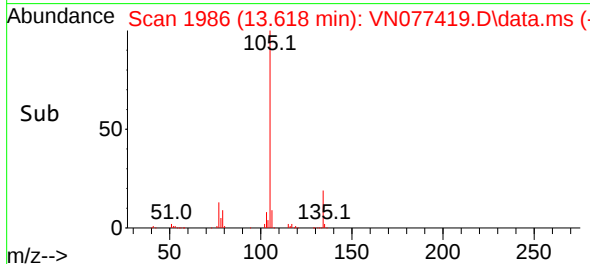
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0421WBSD01



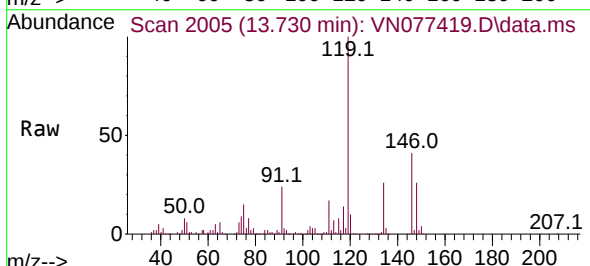
Tgt Ion:105 Resp: 611235
 Ion Ratio Lower Upper
 105 100
 134 19.5 0.0 38.6

Manual Integrations
 APPROVED

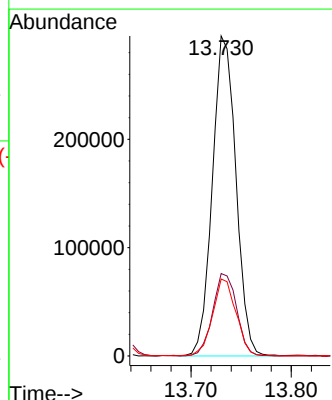
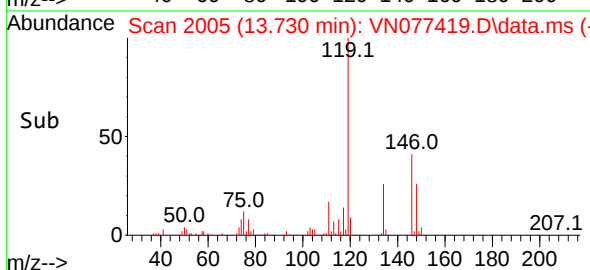
Reviewed By :John Carlone 04/24/2023
 Supervised By :Mahesh Dadoda 04/24/2023

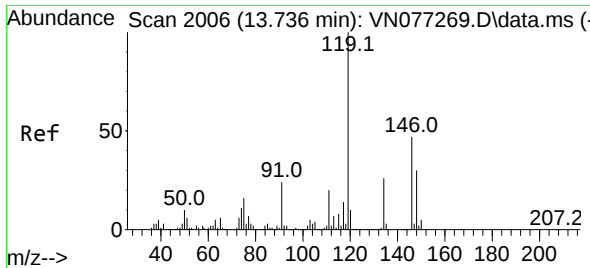


#82
 p-Isopropyltoluene
 Concen: 17.106 ug/l
 RT: 13.730 min Scan# 2005
 Delta R.T. 0.000 min
 Lab File: VN077419.D
 Acq: 21 Apr 2023 11:11



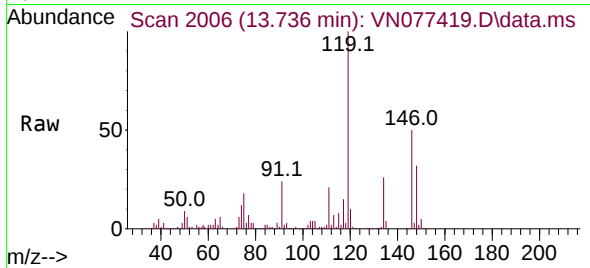
Tgt Ion:119 Resp: 482937
 Ion Ratio Lower Upper
 119 100
 134 26.2 0.0 51.0
 91 24.0 0.0 48.0





#83
1,3-Dichlorobenzene
Concen: 17.873 ug/l
RT: 13.736 min Scan# 2006
Delta R.T. -0.000 min
Lab File: VN077419.D
Acq: 21 Apr 2023 11:11

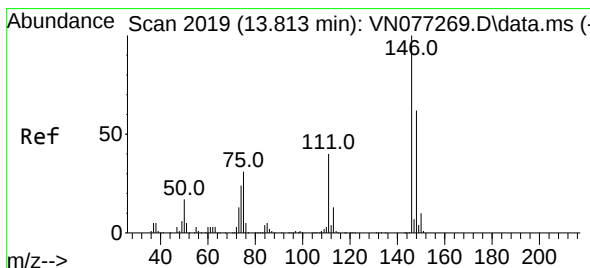
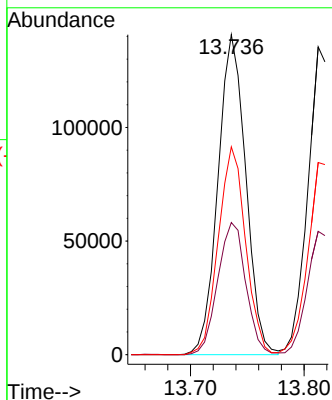
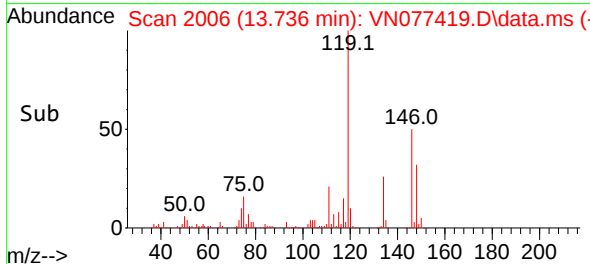
Instrument :
MSVOA_N
ClientSampleId :
VN0421WBSD01



Tgt Ion:146 Resp: 239828
Ion Ratio Lower Upper
146 100
111 41.7 21.4 64.2
148 63.8 31.9 95.5

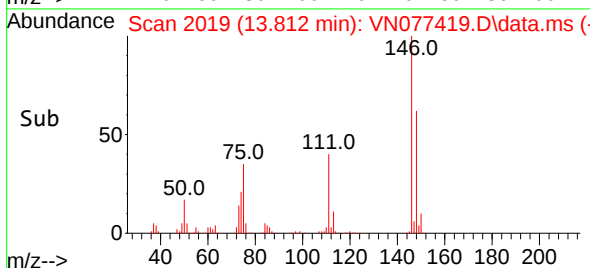
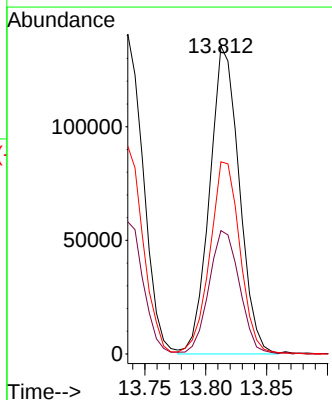
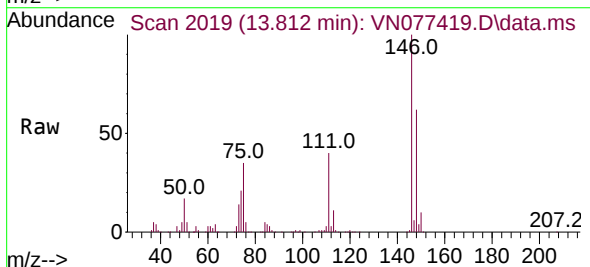
Manual Integrations
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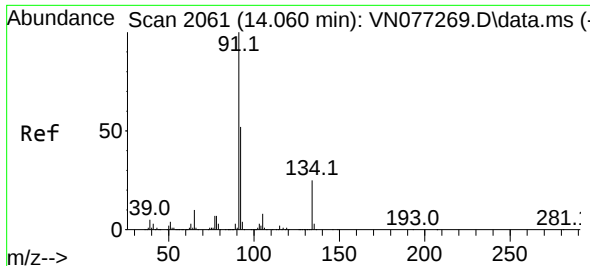
Reviewed By :John Carlone 04/24/2023
Supervised By :Mahesh Dadoda 04/24/2023



#84
1,4-Dichlorobenzene
Concen: 17.640 ug/l
RT: 13.812 min Scan# 2019
Delta R.T. -0.001 min
Lab File: VN077419.D
Acq: 21 Apr 2023 11:11

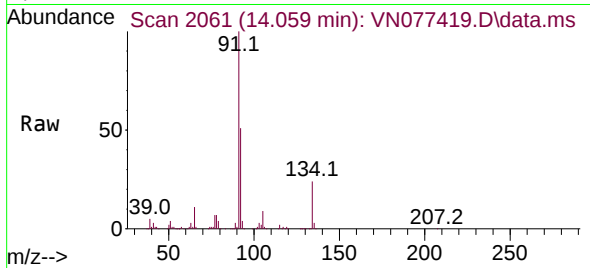
Tgt Ion:146 Resp: 229642
Ion Ratio Lower Upper
146 100
111 41.3 20.3 61.0
148 63.6 31.6 94.7





#85
n-Butylbenzene
Concen: 16.083 ug/l
RT: 14.059 min Scan# 2061
Delta R.T. -0.001 min
Lab File: VN077419.D
Acq: 21 Apr 2023 11:11

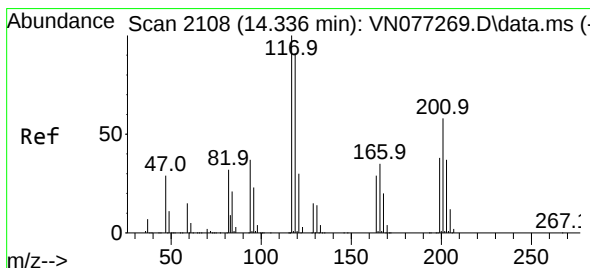
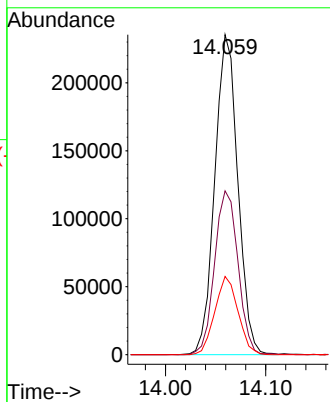
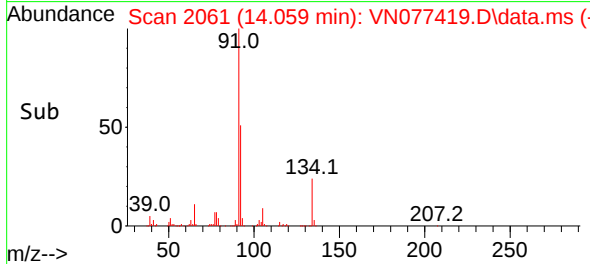
Instrument :
MSVOA_N
ClientSampleId :
VN0421WBSD01



Tgt Ion: 91 Resp: 375215
Ion Ratio Lower Upper
91 100
92 52.0 0.0 105.6
134 24.6 0.0 49.4

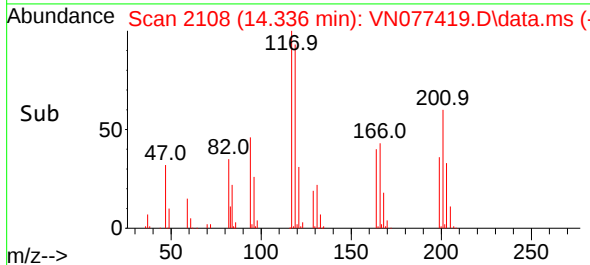
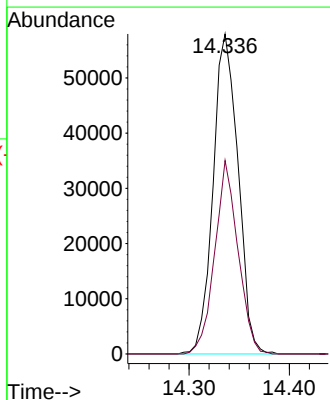
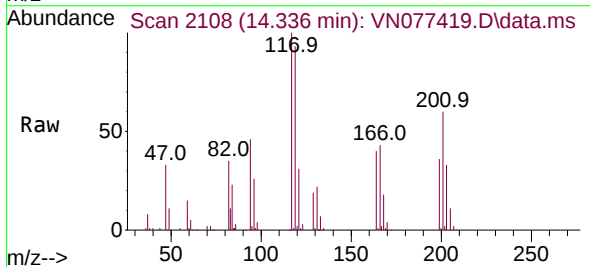
Manual Integrations
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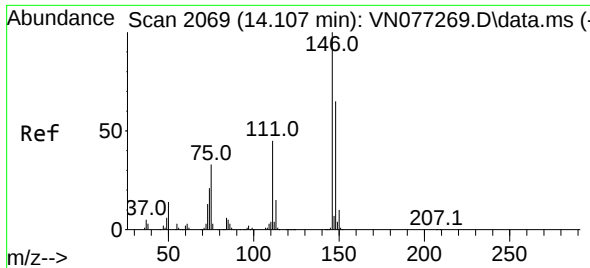
Reviewed By :John Carlone 04/24/2023
Supervised By :Mahesh Dadoda 04/24/2023



#86
Hexachloroethane
Concen: 16.713 ug/l
RT: 14.336 min Scan# 2108
Delta R.T. -0.000 min
Lab File: VN077419.D
Acq: 21 Apr 2023 11:11

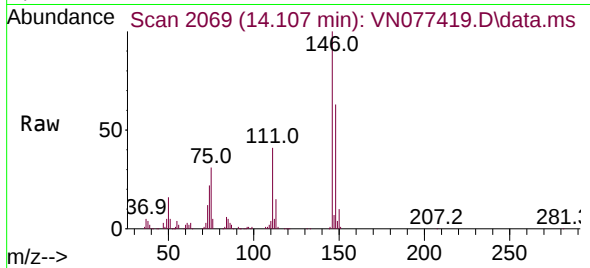
Tgt Ion:117 Resp: 100373
Ion Ratio Lower Upper
117 100
201 56.3 29.1 87.4





#87
1,2-Dichlorobenzene
Concen: 18.281 ug/l
RT: 14.107 min Scan# 2069
Delta R.T. -0.000 min
Lab File: VN077419.D
Acq: 21 Apr 2023 11:11

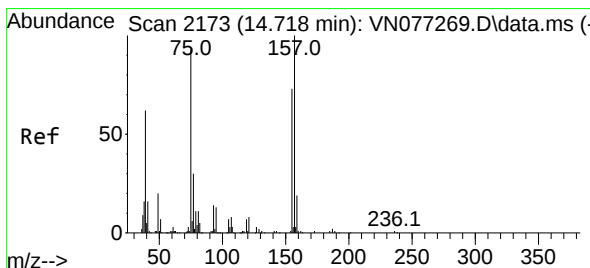
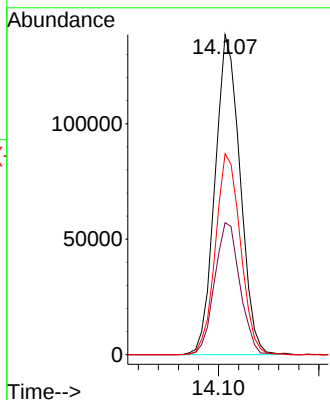
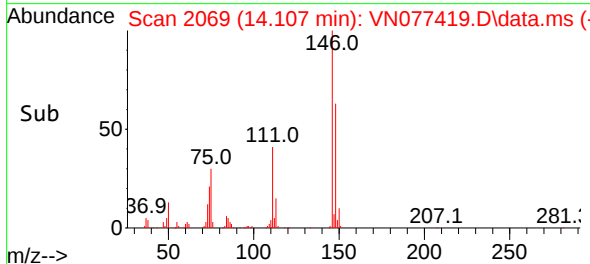
Instrument :
MSVOA_N
ClientSampleId :
VN0421WBSD01



Tgt Ion:146 Resp: 240362
Ion Ratio Lower Upper
146 100
111 41.7 22.1 66.5
148 62.8 31.9 95.7

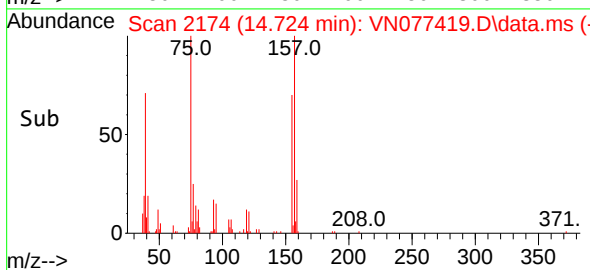
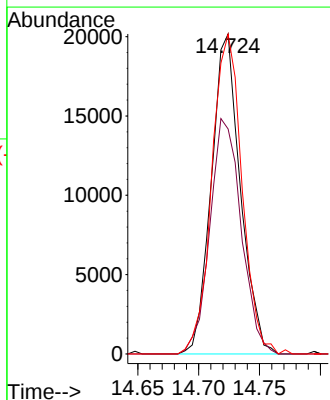
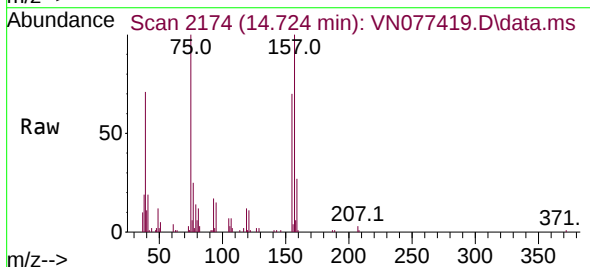
Manual Integrations
APPROVED

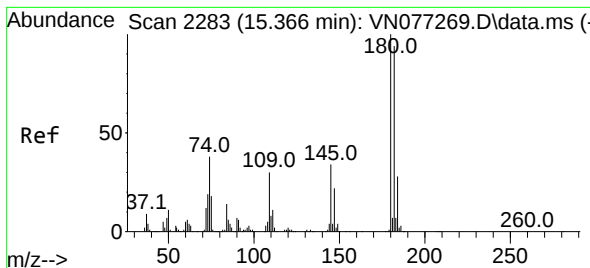
Reviewed By :John Carlone 04/24/2023
Supervised By :Mahesh Dadoda 04/24/2023



#88
1,2-Dibromo-3-Chloropropane
Concen: 16.352 ug/l
RT: 14.724 min Scan# 2174
Delta R.T. 0.006 min
Lab File: VN077419.D
Acq: 21 Apr 2023 11:11

Tgt Ion: 75 Resp: 33426
Ion Ratio Lower Upper
75 100
155 79.2 67.8 101.6
157 103.7 86.3 129.5





#89

1,2,4-Trichlorobenzene

Concen: 11.239 ug/l

RT: 15.371 min Scan# 21

Delta R.T. 0.005 min

Lab File: VN077419.D

Acq: 21 Apr 2023 11:11

Instrument :

MSVOA_N

ClientSampleId :

VN0421WBSD01

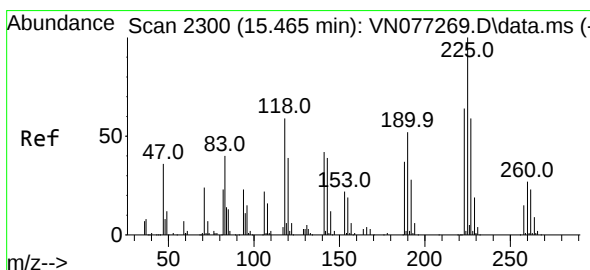
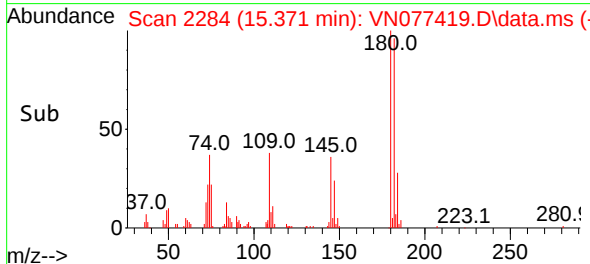
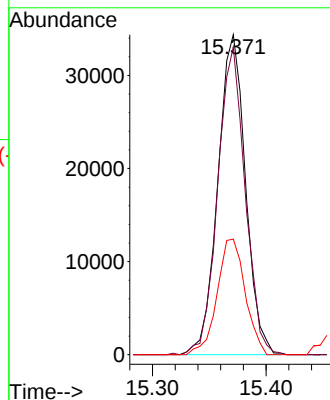
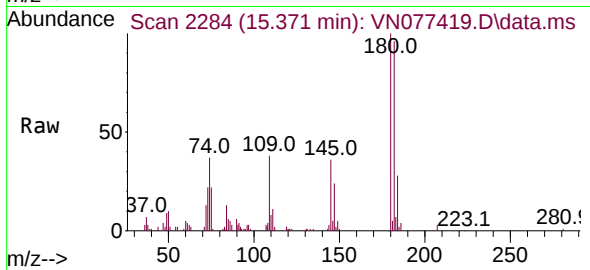
Tgt Ion:180	Resp:	5812
Ion Ratio	Lower	Upper
180	100	
182	95.0	75.6 113.4
145	36.7	26.7 40.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 04/24/2023

Supervised By :Mahesh Dadoda 04/24/2023



#90

Hexachlorobutadiene

Concen: 18.641 ug/l

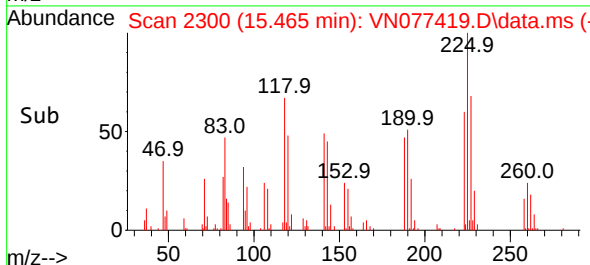
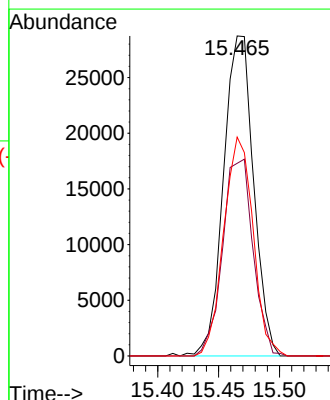
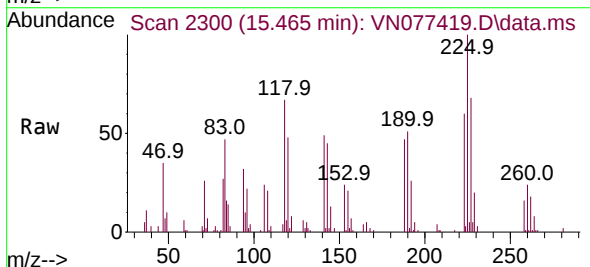
RT: 15.465 min Scan# 2300

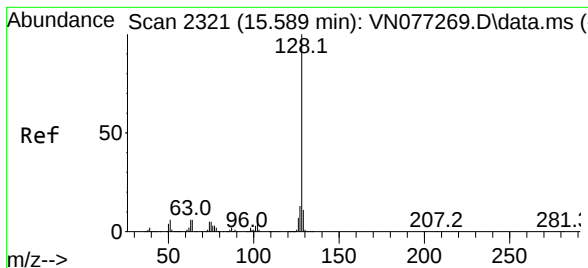
Delta R.T. 0.000 min

Lab File: VN077419.D

Acq: 21 Apr 2023 11:11

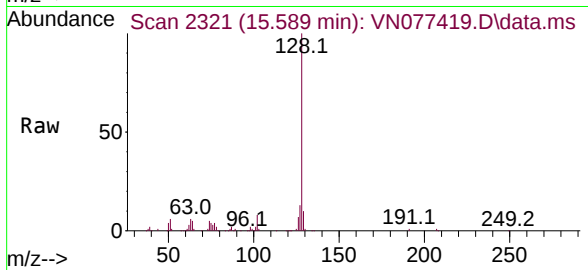
Tgt Ion:225	Resp:	49444
Ion Ratio	Lower	Upper
225	100	
223	62.5	0.0 126.0
227	66.7	0.0 127.2





#91
Naphthalene
Concen: 10.860 ug/l
RT: 15.589 min Scan# 214569
Delta R.T. -0.000 min
Lab File: VN077419.D
Acq: 21 Apr 2023 11:11

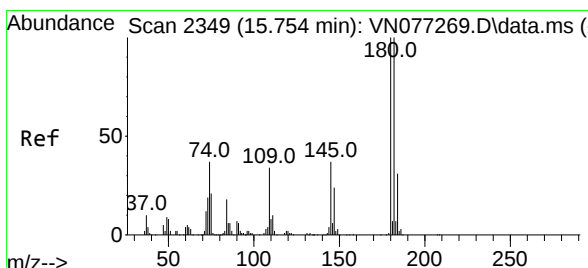
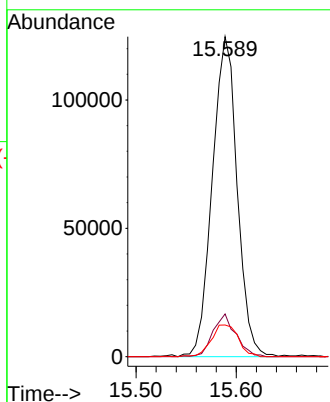
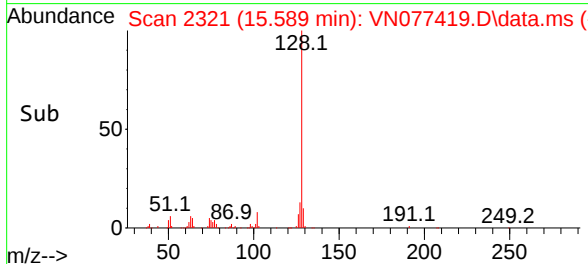
Instrument :
MSVOA_N
ClientSampleId :
VN0421WBSD01



Tgt Ion:128 Resp: 214569
Ion Ratio Lower Upper
128 100
127 12.3 10.2 15.2
129 10.7 8.9 13.3

Manual Integrations
APPROVED

Reviewed By :John Carlone 04/24/2023
Supervised By :Mahesh Dadoda 04/24/2023



#92
1,2,3-Trichlorobenzene
Concen: 10.849 ug/l
RT: 15.759 min Scan# 2350
Delta R.T. 0.005 min
Lab File: VN077419.D
Acq: 21 Apr 2023 11:11

Tgt Ion:180 Resp: 54749
Ion Ratio Lower Upper
180 100
182 93.9 0.0 190.4
145 33.3 0.0 72.4

