

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121923\
 Data File : VN080513.D
 Acq On : 19 Dec 2023 12:24
 Operator : JC\MD
 Sample : VN1219WBSD01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1219WBSD01

Quant Time: Dec 20 03:59:26 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N121223W.M
 Quant Title : SW846 8260
 QLast Update : Wed Dec 13 01:57:14 2023
 Response via : Initial Calibration

Manual Integrations
 APPROVED

Reviewed By : John Carlone 12/20/2023
 Supervised By : Mahesh Dadoda 12/20/2023

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

Internal Standards						
1) Pentafluorobenzene	8.224	168	266420	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	416104	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	365516	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	174644	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	180936	53.173	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 106.340%			
35) Dibromofluoromethane	8.165	113	141108	53.485	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 106.980%			
50) Toluene-d8	10.565	98	501468	50.965	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 101.940%			
62) 4-Bromofluorobenzene	12.847	95	189151	50.626	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 101.260%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.124	85	77930	22.889	ug/l	100
3) Chloromethane	2.359	50	75060	20.794	ug/l	97
4) Vinyl Chloride	2.512	62	61750	21.237	ug/l	93
5) Bromomethane	2.948	94	30672	23.398	ug/l	96
6) Chloroethane	3.118	64	37616	20.133	ug/l	96
7) Trichlorofluoromethane	3.495	101	134851	22.867	ug/l	98
8) Diethyl Ether	3.953	74	39643	21.342	ug/l	90
9) 1,1,2-Trichlorotrifluo...	4.365	101	64316	23.009	ug/l	94
10) Methyl Iodide	4.589	142	45905	18.671	ug/l #	89
11) Tert butyl alcohol	5.506	59	41211	102.833	ug/l	100
12) 1,1-Dichloroethene	4.336	96	61447	21.454	ug/l #	81
13) Acrolein	4.171	56	45645	104.003	ug/l	92
14) Allyl chloride	5.018	41	76761	21.662	ug/l	96
15) Acrylonitrile	5.712	53	125575	110.897	ug/l	99
16) Acetone	4.418	43	81206	134.591	ug/l	97
17) Carbon Disulfide	4.706	76	172056	21.198	ug/l	98
18) Methyl Acetate	5.012	43	80113	20.636	ug/l	98
19) Methyl tert-butyl Ether	5.789	73	214130	22.409	ug/l	99
20) Methylene Chloride	5.271	84	70560	21.852	ug/l	95
21) trans-1,2-Dichloroethene	5.783	96	70200	22.605	ug/l	88
22) Diisopropyl ether	6.671	45	173452	22.679	ug/l	95
23) Vinyl Acetate	6.600	43	494128	112.492	ug/l	96
24) 1,1-Dichloroethane	6.565	63	118684	22.242	ug/l	99
25) 2-Butanone	7.477	43	143880	123.788	ug/l	93
26) 2,2-Dichloropropane	7.488	77	120897	22.157	ug/l	98
27) cis-1,2-Dichloroethene	7.488	96	78037	22.200	ug/l	90
28) Bromochloromethane	7.812	49	39077	19.073	ug/l	100
29) Tetrahydrofuran	7.835	42	90351	108.554	ug/l	93
30) Chloroform	7.965	83	134312	22.676	ug/l	95
31) Cyclohexane	8.253	56	101548	21.945	ug/l	96
32) 1,1,1-Trichloroethane	8.171	97	130676	22.533	ug/l	95
36) 1,1-Dichloropropene	8.371	75	101262	23.474	ug/l	96
37) Ethyl Acetate	7.559	43	61555	22.787	ug/l	99
38) Carbon Tetrachloride	8.365	117	117768	22.848	ug/l	96
39) Methylcyclohexane	9.600	83	100578	22.444	ug/l	94
40) Benzene	8.606	78	283839	22.786	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.777	41	33781	21.692	ug/l	94
42) 1,2-Dichloroethane	8.671	62	108445	23.510	ug/l	97
43) Isopropyl Acetate	8.688	43	107065	22.044	ug/l	96
44) Trichloroethene	9.353	130	73826	21.984	ug/l	99
45) 1,2-Dichloropropane	9.624	63	65615	22.427	ug/l	95
46) Dibromomethane	9.712	93	46692	22.223	ug/l #	87
47) Bromodichloromethane	9.888	83	105876	23.513	ug/l	98
48) Methyl methacrylate	9.682	41	62061	21.412	ug/l	92
49) 1,4-Dioxane	9.694	88	18431	419.533	ug/l #	89
51) 4-Methyl-2-Pentanone	10.447	43	302554	113.107	ug/l	99
52) Toluene	10.629	92	180640	22.955	ug/l	100
53) t-1,3-Dichloropropene	10.835	75	112077	23.005	ug/l	98
54) cis-1,3-Dichloropropene	10.312	75	119571	22.962	ug/l #	90
55) 1,1,2-Trichloroethane	11.018	97	66011	23.313	ug/l	97
56) Ethyl methacrylate	10.871	69	68960	21.998	ug/l	92
57) 1,3-Dichloropropane	11.165	76	113152	22.796	ug/l	100
58) 2-Chloroethyl Vinyl ether	10.159	63	193312	97.679	ug/l	100
59) 2-Hexanone	11.194	43	245263	124.199	ug/l	99
60) Dibromochloromethane	11.359	129	78970	23.536	ug/l	98
61) 1,2-Dibromoethane	11.471	107	65791	22.450	ug/l	99
64) Tetrachloroethene	11.106	164	61867	21.922	ug/l	99
65) Chlorobenzene	11.894	112	185749	22.844	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.965	131	73146	22.926	ug/l	94
67) Ethyl Benzene	11.965	91	339279	22.693	ug/l	96
68) m/p-Xylenes	12.070	106	254183	46.009	ug/l	91
69) o-Xylene	12.400	106	122362	22.644	ug/l	92
70) Styrene	12.412	104	179910	23.114	ug/l	94
71) Bromoform	12.582	173	51323	22.059	ug/l #	99
73) Isopropylbenzene	12.694	105	320940	22.876	ug/l	98
74) N-amyl acetate	12.494	43	87518	21.362	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.941	83	82043	21.823	ug/l	98
76) 1,2,3-Trichloropropane	12.994	75	76653m	22.001	ug/l	
77) Bromobenzene	12.982	156	78092	22.627	ug/l	94
78) n-propylbenzene	13.035	91	353760	22.870	ug/l	100
79) 2-Chlorotoluene	13.129	91	228237	22.601	ug/l	97
80) 1,3,5-Trimethylbenzene	13.176	105	273470	22.633	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.741	75	27574	20.780	ug/l #	51
82) 4-Chlorotoluene	13.223	91	232537	22.402	ug/l	98
83) tert-Butylbenzene	13.441	119	222743	22.509	ug/l	95
84) 1,2,4-Trimethylbenzene	13.482	105	274379	22.826	ug/l	98
85) sec-Butylbenzene	13.617	105	285122	22.524	ug/l	99
86) p-Isopropyltoluene	13.729	119	258758	22.639	ug/l	97
87) 1,3-Dichlorobenzene	13.735	146	133260	21.915	ug/l	99
88) 1,4-Dichlorobenzene	13.812	146	132592	21.601	ug/l	96
89) n-Butylbenzene	14.059	91	212641	22.278	ug/l	99
90) Hexachloroethane	14.335	117	42641	23.491	ug/l	66
91) 1,2-Dichlorobenzene	14.106	146	129665	22.456	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.723	75	16737	21.166	ug/l	96
93) 1,2,4-Trichlorobenzene	15.394	180	74921	23.370	ug/l	97
94) Hexachlorobutadiene	15.500	225	40636	22.265	ug/l	98
95) Naphthalene	15.641	128	222081	22.812	ug/l	99
96) 1,2,3-Trichlorobenzene	15.841	180	69821	22.569	ug/l	98

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MSVOA_N
ClientSampleId :
VN1219WBSD01

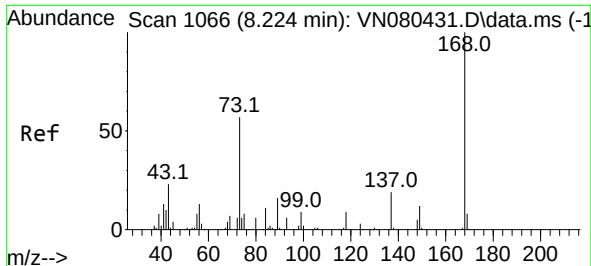
Manual Integrations
APPROVED

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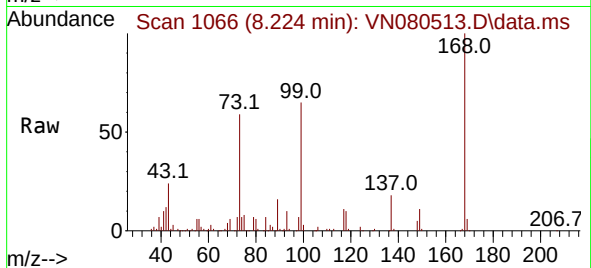
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.000 min
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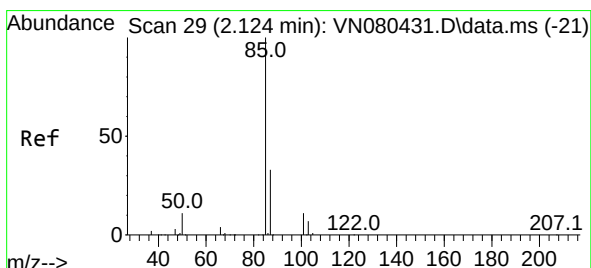
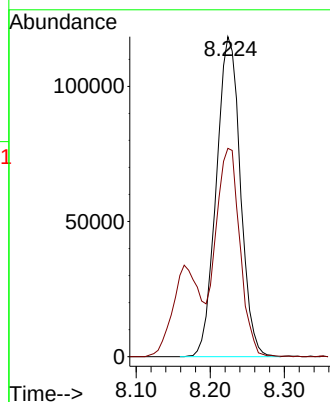
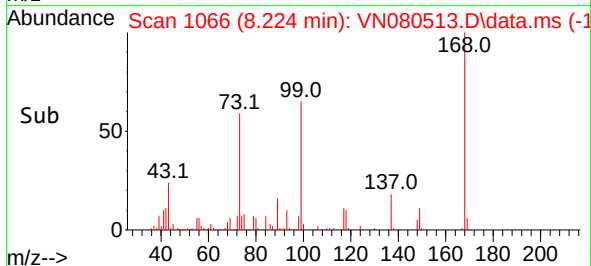
Instrument :
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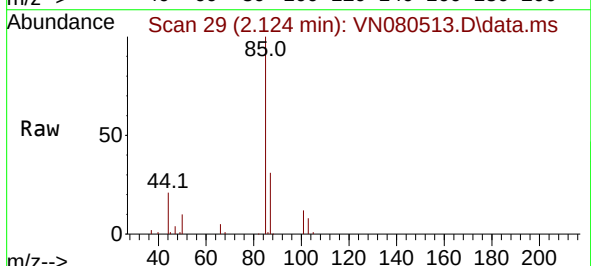
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Ion Ratio Lower Upper
168 100
99 65.0 53.0 79.6

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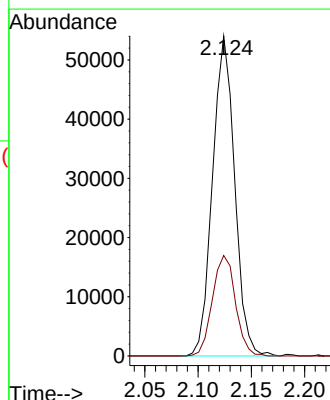
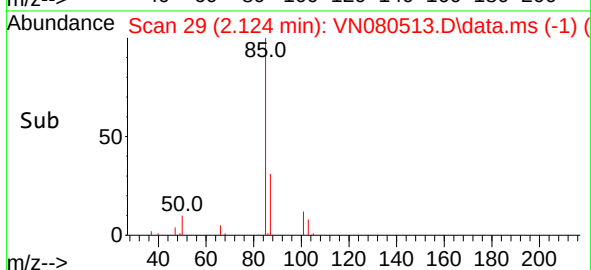
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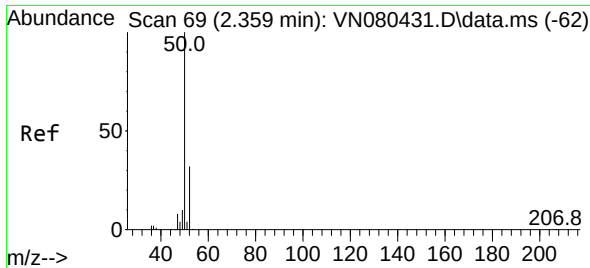


#2
Dichlorodifluoromethane
Concen: 22.889 ug/l
RT: 2.124 min Scan# 29
Delta R.T. 0.000 min
Lab File: VN080513.D
Acq: 19 Dec 2023 12:24



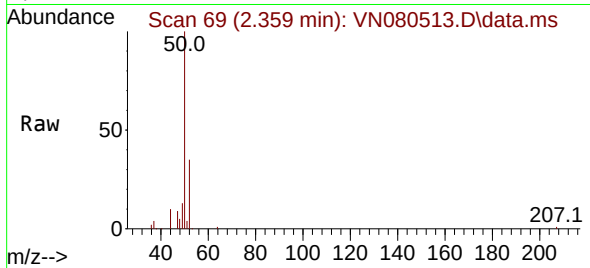
Tgt Ion: 85 Resp: 77930
Ion Ratio Lower Upper
85 100
87 31.4 15.8 47.4





#3
Chloromethane
Concen: 20.794 ug/l
RT: 2.359 min Scan# 69
Delta R.T. 0.000 min
Lab File: VN080513.D
Acq: 19 Dec 2023 12:24

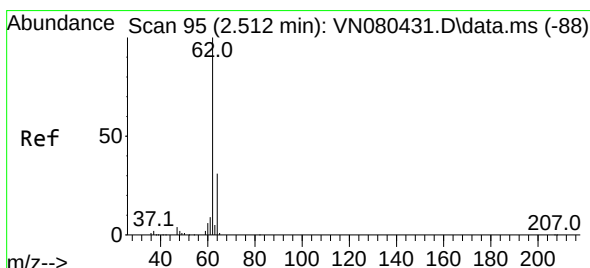
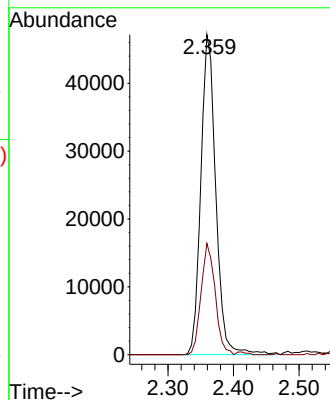
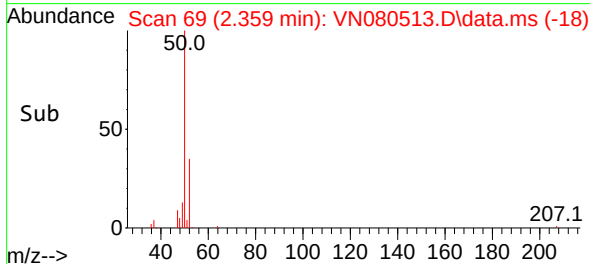
Instrument :
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Tgt Ion: 50 Resp: 75060
Ion Ratio Lower Upper
50 100
52 34.8 26.5 39.7

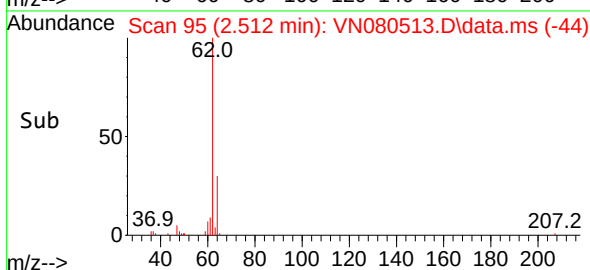
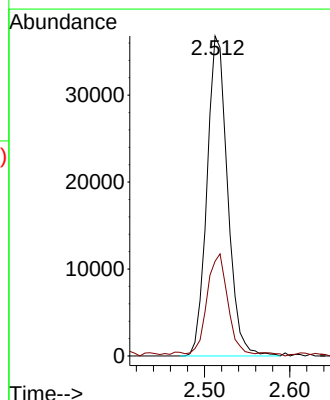
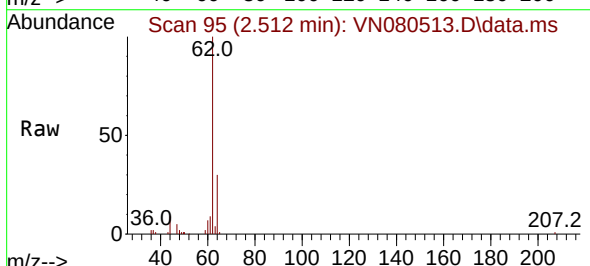
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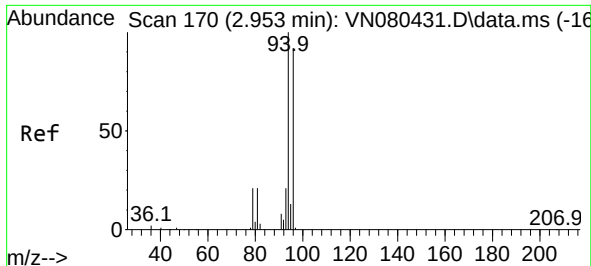
Reviewed By :John Carlone 12/20/2023
Supervised By :Mahesh Dadoda 12/20/2023



#4
Vinyl Chloride
Concen: 21.237 ug/l
RT: 2.512 min Scan# 95
Delta R.T. 0.000 min
Lab File: VN080513.D
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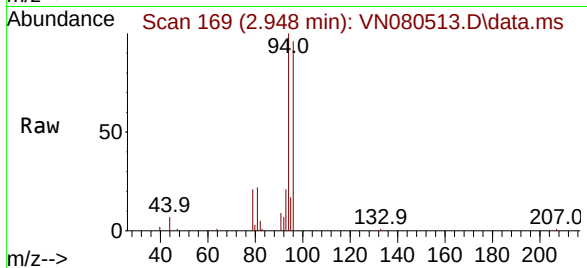
Tgt Ion: 62 Resp: 61750
Ion Ratio Lower Upper
62 100
64 28.9 26.2 39.2





#5
Bromomethane
Concen: 23.398 ug/l
RT: 2.948 min Scan# 11
Delta R.T. -0.006 min
Lab File: VN080513.D
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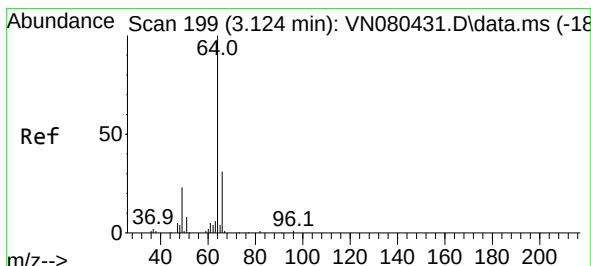
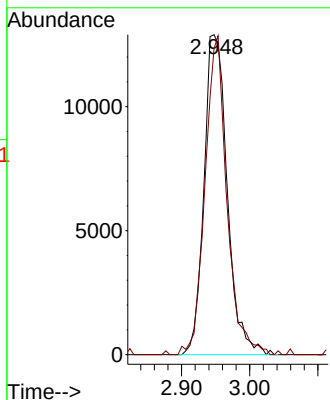
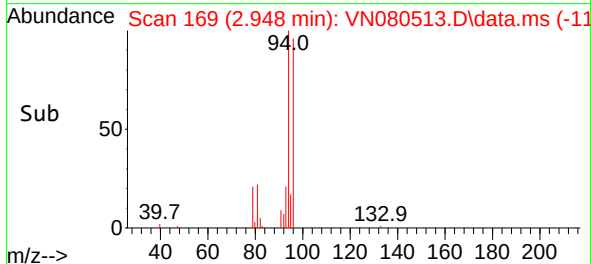
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Tgt Ion: 94 Resp: 30672
Ion Ratio Lower Upper
94 100
96 95.6 73.1 109.7

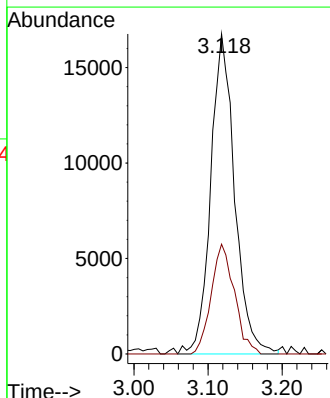
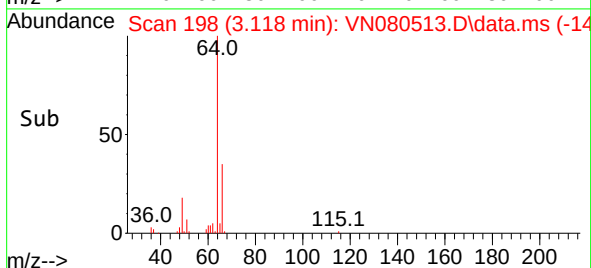
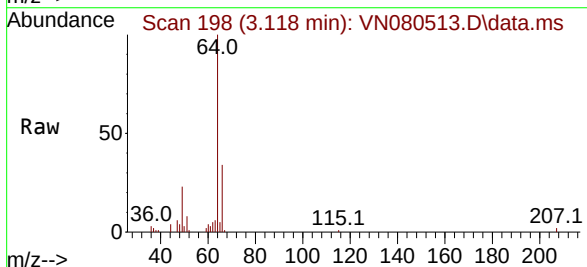
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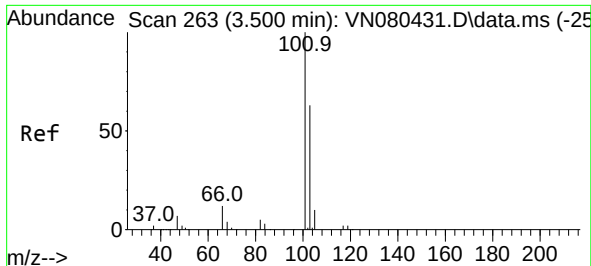
Reviewed By :John Carlone 12/20/2023
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#6
Chloroethane
Concen: 20.133 ug/l
RT: 3.118 min Scan# 198
Delta R.T. -0.006 min
Lab File: VN080513.D
Acq: 19 Dec 2023 12:24

Tgt Ion: 64 Resp: 37616
Ion Ratio Lower Upper
64 100
66 34.3 25.4 38.2





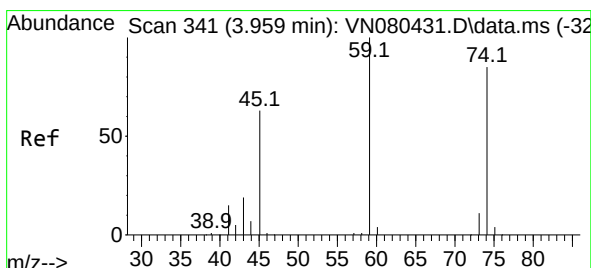
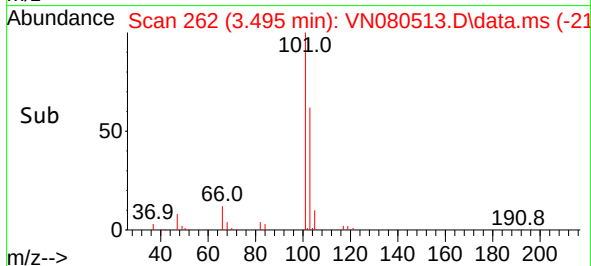
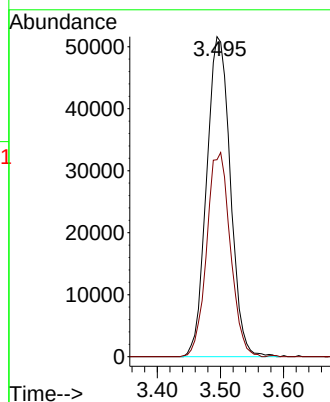
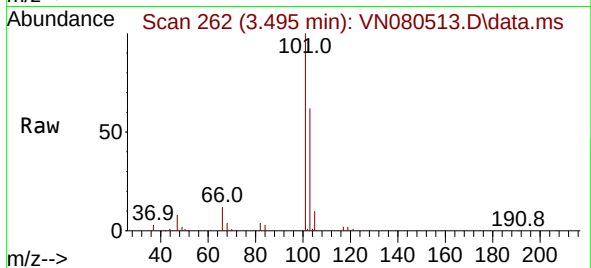
#7
Trichlorofluoromethane
Concen: 22.867 ug/l
RT: 3.495 min Scan# 20
Delta R.T. -0.006 min
Lab File: VN080513.D
Acq: 19 Dec 2023 12:24

Instrument :
MSVOA_N
ClientSampleId :
VN1219WBSD01

Tgt Ion:101 Resp: 13485
Ion Ratio Lower Upper
101 100
103 61.5 50.7 76.1

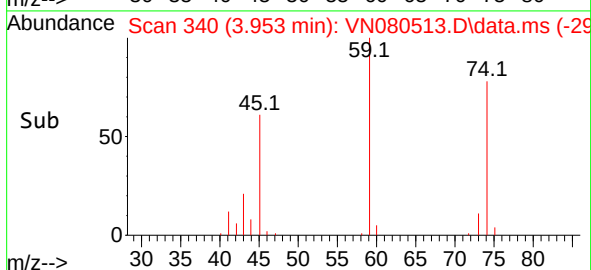
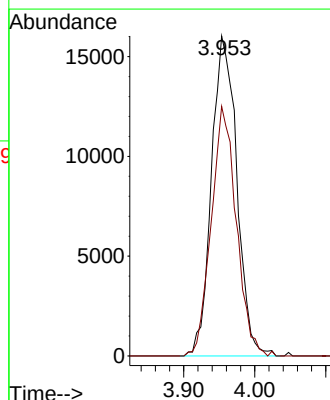
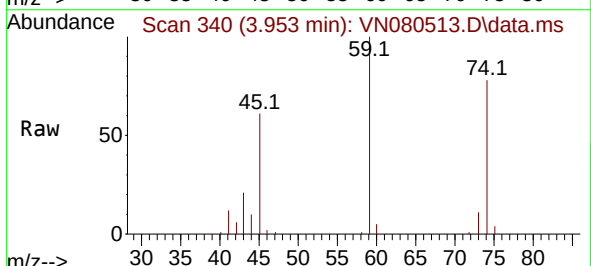
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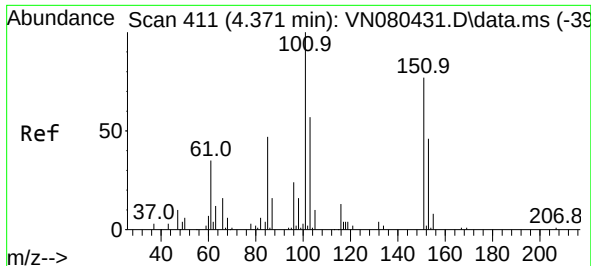
Reviewed By :John Carlone 12/20/2023
Supervised By :Mahesh Dadoda 12/20/2023



#8
Diethyl Ether
Concen: 21.342 ug/l
RT: 3.953 min Scan# 340
Delta R.T. -0.006 min
Lab File: VN080513.D
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Tgt Ion: 74 Resp: 39643
Ion Ratio Lower Upper
74 100
45 77.3 34.4 103.3





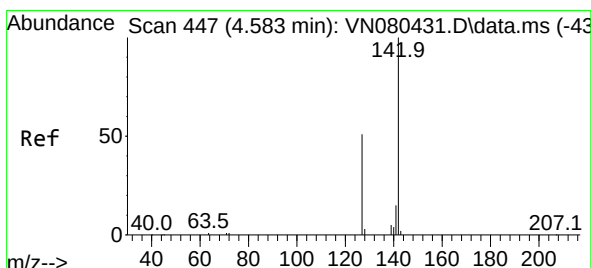
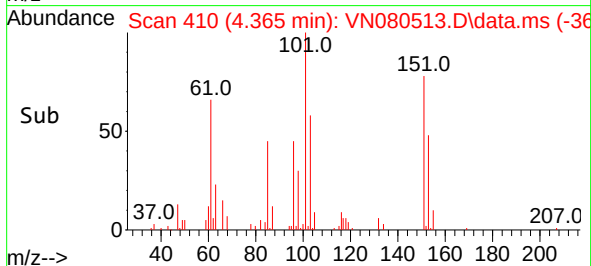
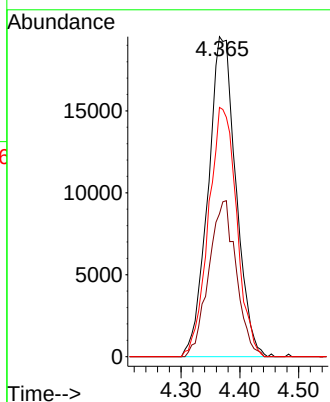
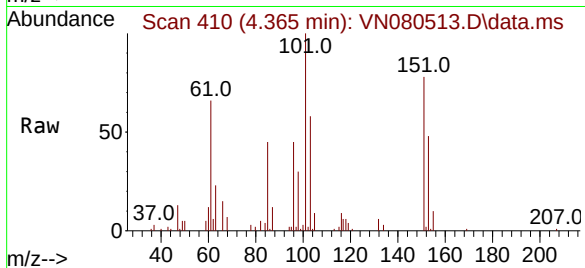
#9
1,1,2-Trichlorotrifluoroethane
Concen: 23.009 ug/l
RT: 4.365 min Scan# 411
Delta R.T. -0.006 min
Lab File: VN080513.D
Acq: 19 Dec 2023 12:24

Instrument :
MSVOA_N
ClientSampleId :
VN1219WBSD01

Tgt Ion:101 Resp: 64310
Ion Ratio Lower Upper
101 100
85 47.9 36.6 55.0
151 78.7 57.6 86.4

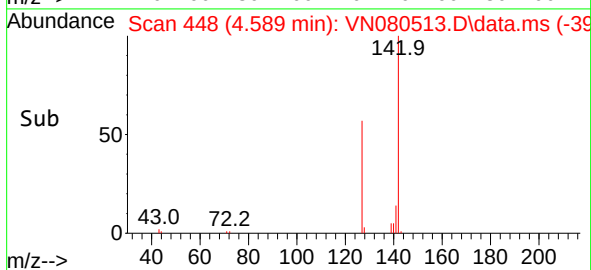
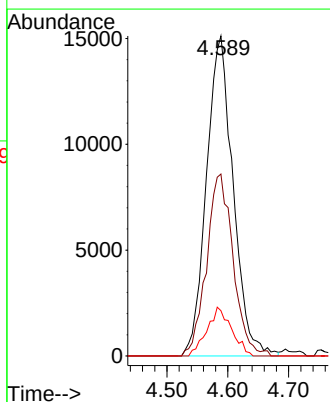
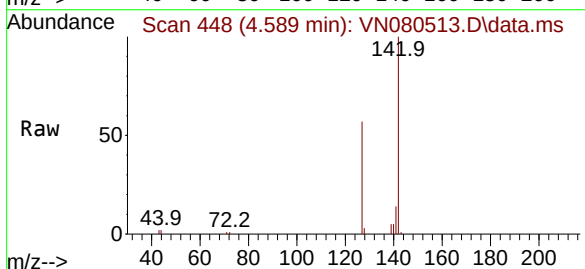
Manual Integrations
APPROVED

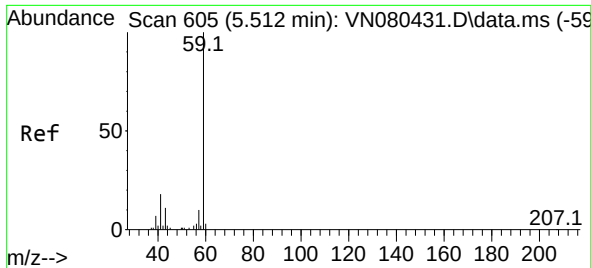
Reviewed By :John Carlone 12/20/2023
Supervised By :Mahesh Dadoda 12/20/2023



#10
Methyl Iodide
Concen: 18.671 ug/l
RT: 4.589 min Scan# 448
Delta R.T. 0.006 min
Lab File: VN080513.D
Acq: 19 Dec 2023 12:24

Tgt Ion:142 Resp: 45905
Ion Ratio Lower Upper
142 100
127 56.8 37.6 56.4#
141 14.1 11.4 17.0





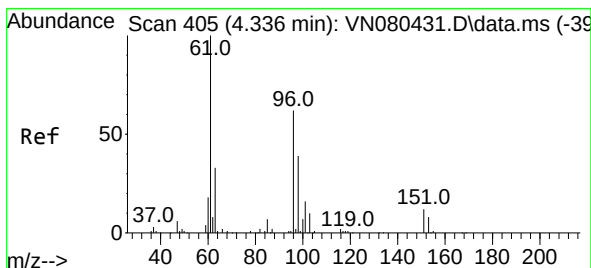
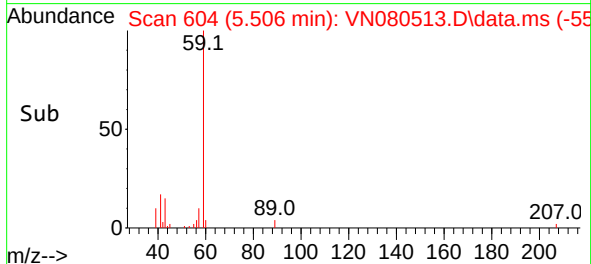
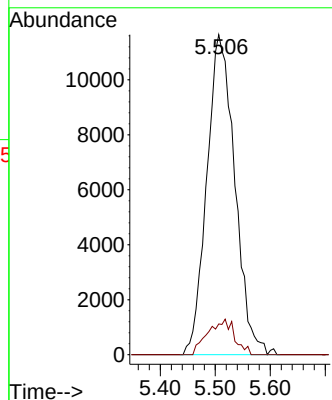
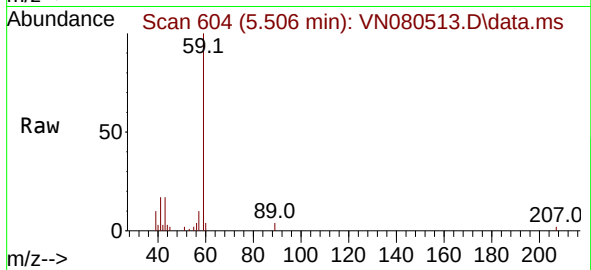
#11
Tert butyl alcohol
Concen: 102.833 ug/l
RT: 5.506 min Scan# 605
Delta R.T. -0.006 min
Lab File: VN080513.D
Acq: 19 Dec 2023 12:24

Instrument :
MSVOA_N
ClientSampleId :
VN1219WBSD01

Tgt Ion: 59 Resp: 4121
Ion Ratio Lower Upper
59 100
57 10.5 8.2 12.4

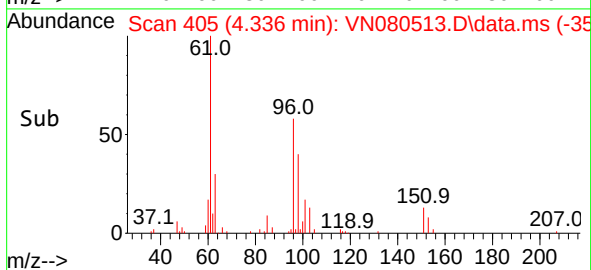
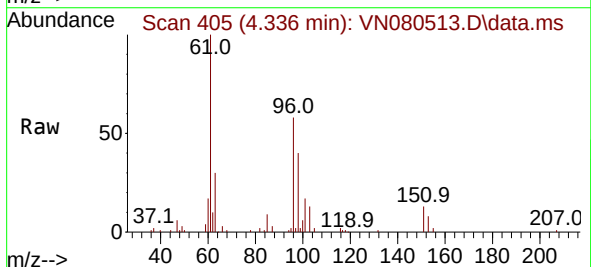
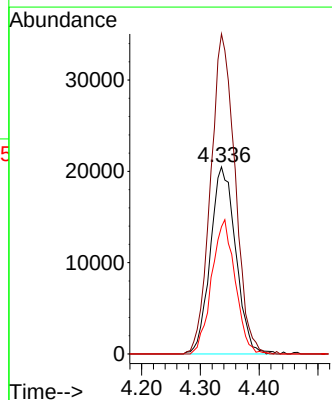
Manual Integrations
APPROVED

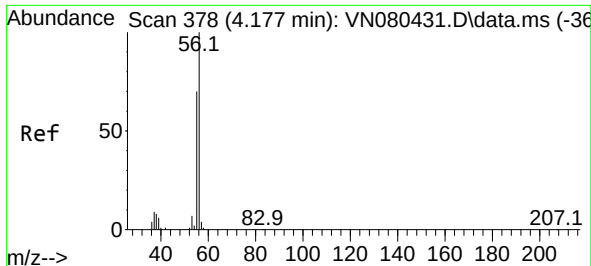
Reviewed By :John Carlone 12/20/2023
Supervised By :Mahesh Dadoda 12/20/2023



#12
1,1-Dichloroethene
Concen: 21.454 ug/l
RT: 4.336 min Scan# 405
Delta R.T. 0.000 min
Lab File: VN080513.D
Acq: 19 Dec 2023 12:24

Tgt Ion: 96 Resp: 61447
Ion Ratio Lower Upper
96 100
61 171.1 112.7 169.1#
98 68.0 51.2 76.8





#13

Acrolein

Concen: 104.003 ug/l

RT: 4.171 min Scan# 31

Delta R.T. -0.006 min

Lab File: VN080513.D

Acq: 19 Dec 2023 12:24

Instrument :

MSVOA_N

ClientSampleId :

VN1219WBSD01

Tgt Ion: 56 Resp: 4564

Ion Ratio Lower Upper

56 100

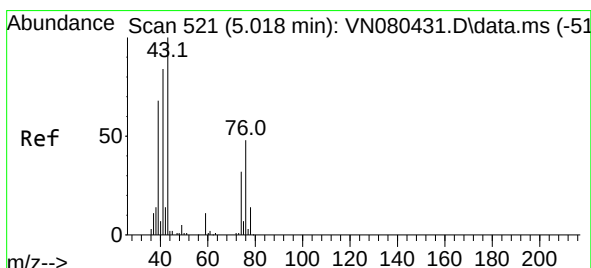
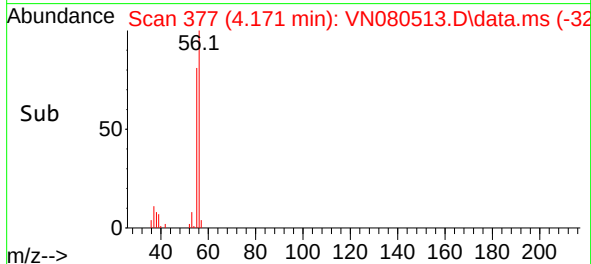
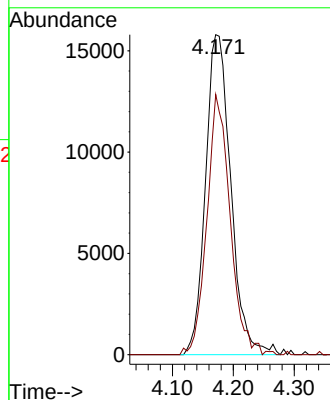
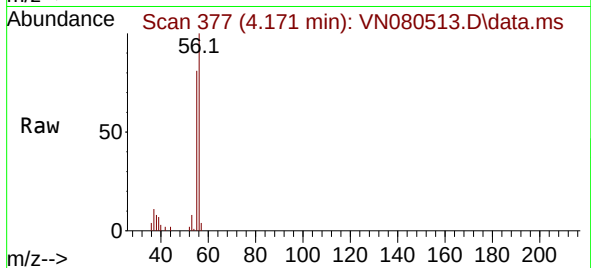
55 74.8 54.5 81.7

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/20/2023

Supervised By :Mahesh Dadoda 12/20/2023



#14

Allyl chloride

Concen: 21.662 ug/l

RT: 5.018 min Scan# 521

Delta R.T. 0.000 min

Lab File: VN080513.D

Acq: 19 Dec 2023 12:24

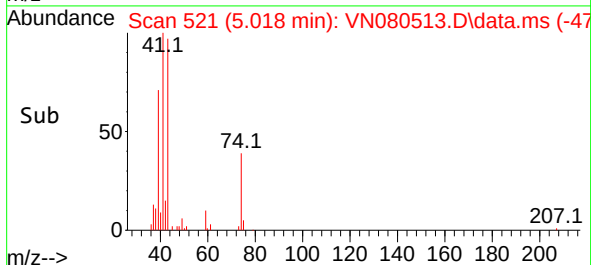
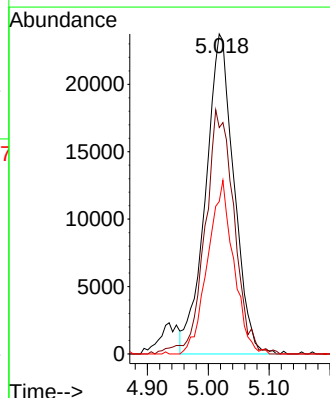
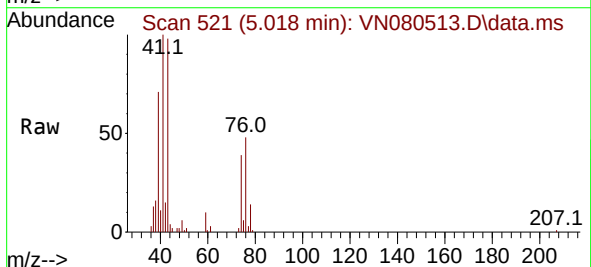
Tgt Ion: 41 Resp: 76761

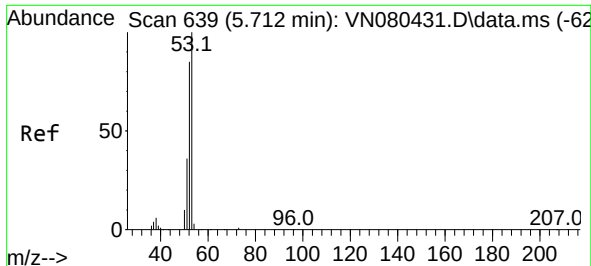
Ion Ratio Lower Upper

41 100

39 78.2 58.8 88.2

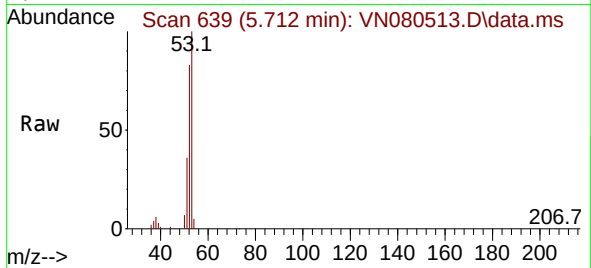
76 49.6 39.1 58.7





#15
Acrylonitrile
Concen: 110.897 ug/l
RT: 5.712 min Scan# 61
Delta R.T. 0.000 min
Lab File: VN080513.D
Acq: 19 Dec 2023 12:24

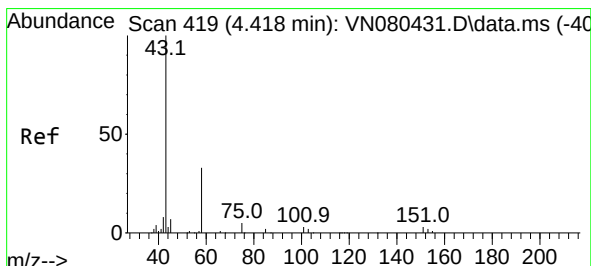
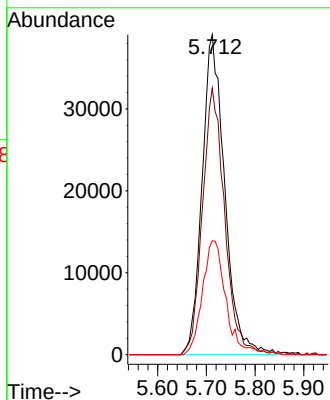
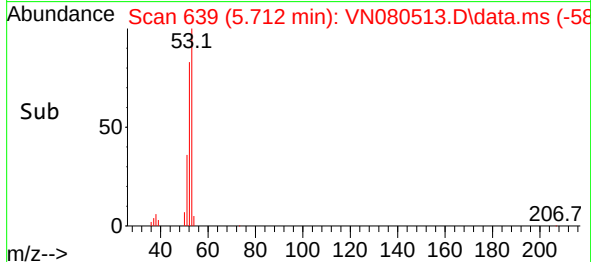
Instrument :
MSVOA_N
ClientSampleId :
VN1219WBSD01



Tgt Ion: 53 Resp: 125579
Ion Ratio Lower Upper
53 100
52 81.7 65.3 97.9
51 37.2 28.9 43.3

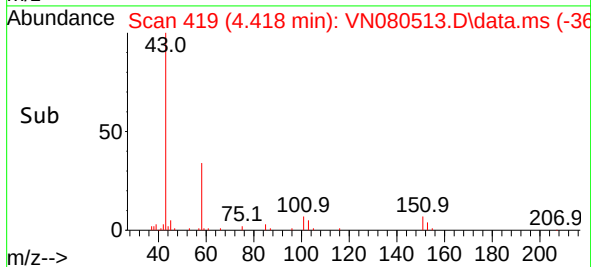
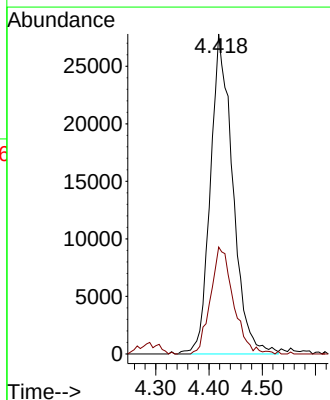
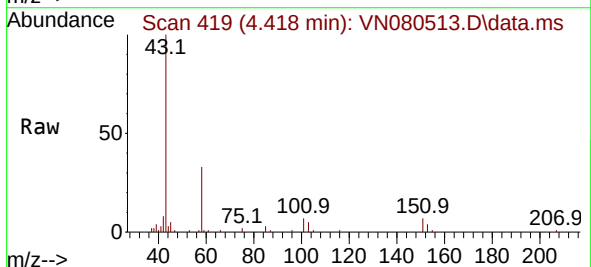
Manual Integrations
APPROVED

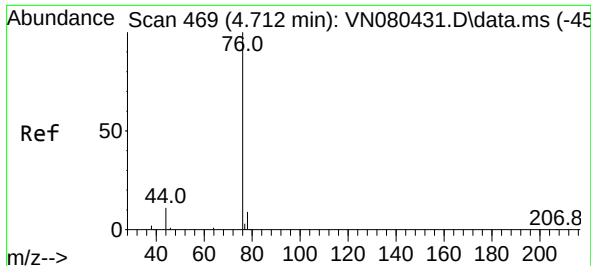
Reviewed By :John Carlone 12/20/2023
Supervised By :Mahesh Dadoda 12/20/2023



#16
Acetone
Concen: 134.591 ug/l
RT: 4.418 min Scan# 419
Delta R.T. 0.000 min
Lab File: VN080513.D
Acq: 19 Dec 2023 12:24

Tgt Ion: 43 Resp: 81206
Ion Ratio Lower Upper
43 100
58 33.4 28.0 42.0





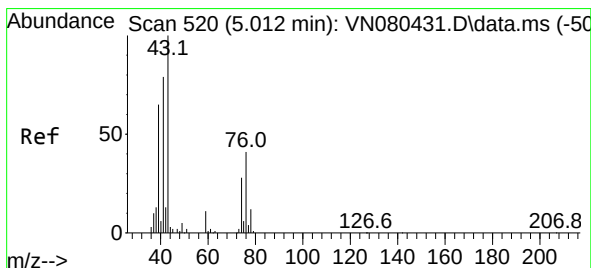
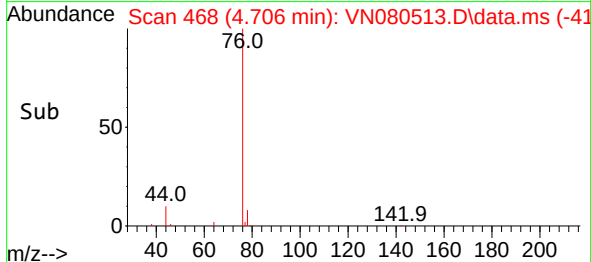
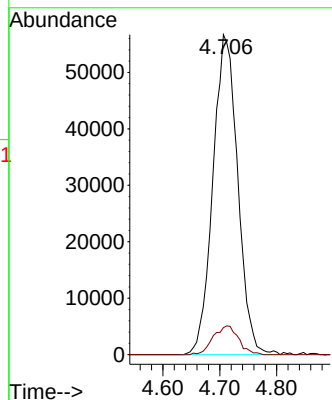
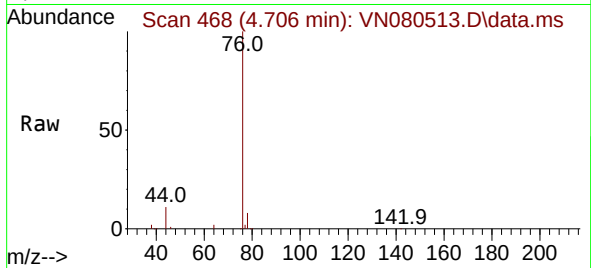
#17
Carbon Disulfide
Concen: 21.198 ug/l
RT: 4.706 min Scan# 468
Delta R.T. -0.006 min
Lab File: VN080513.D
Acq: 19 Dec 2023 12:24

Instrument :
MSVOA_N
ClientSampleId :
VN1219WBSD01

Tgt Ion: 76 Resp: 17205
Ion Ratio Lower Upper
76 100
78 8.5 7.4 11.0

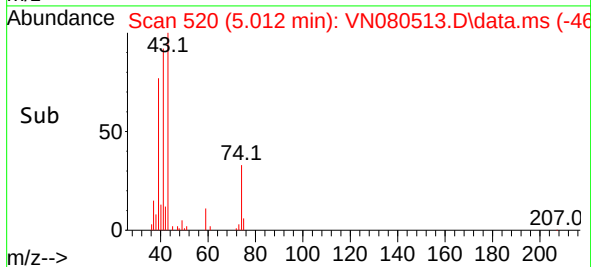
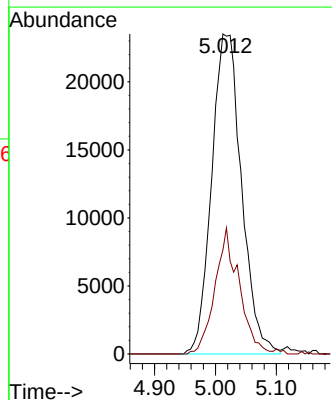
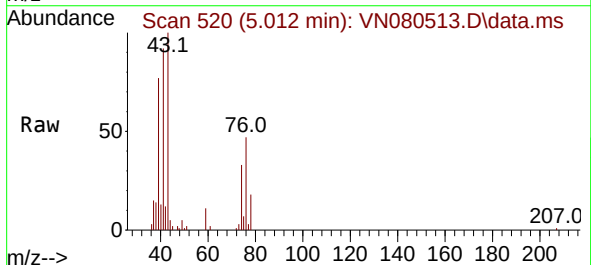
Manual Integrations
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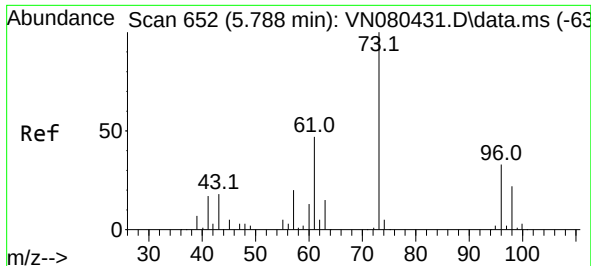
Reviewed By :John Carlone 12/20/2023
Supervised By :Mahesh Dadoda 12/20/2023



#18
Methyl Acetate
Concen: 20.636 ug/l
RT: 5.012 min Scan# 520
Delta R.T. 0.000 min
Lab File: VN080513.D
Acq: 19 Dec 2023 12:24

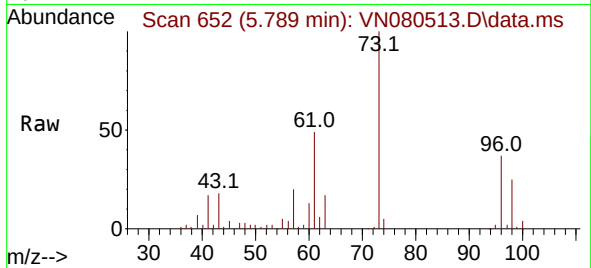
Tgt Ion: 43 Resp: 80113
Ion Ratio Lower Upper
43 100
74 31.9 26.2 39.4





#19
Methyl tert-butyl Ether
Concen: 22.409 ug/l
RT: 5.789 min Scan# 613
Delta R.T. 0.000 min
Lab File: VN080513.D
Acq: 19 Dec 2023 12:24

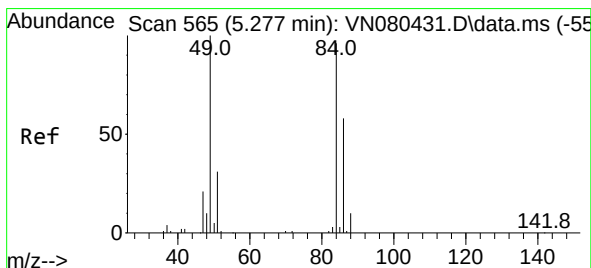
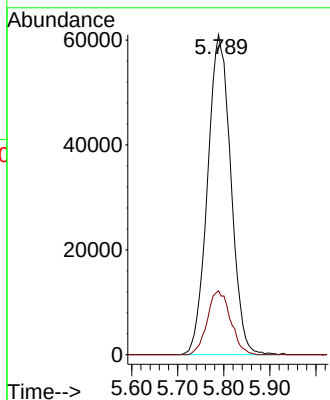
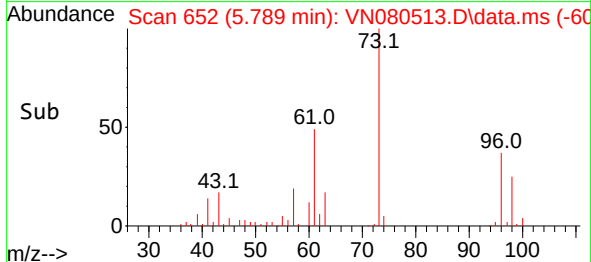
Instrument :
MSVOA_N
ClientSampleId :
VN1219WBSD01



Tgt Ion: 73 Resp: 214130
Ion Ratio Lower Upper
73 100
57 20.0 15.6 23.4

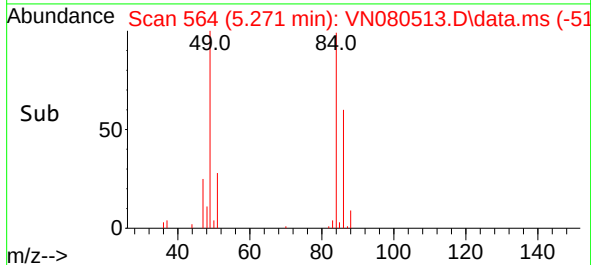
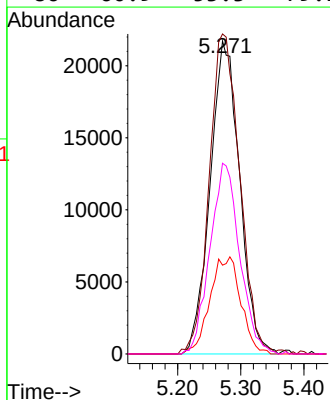
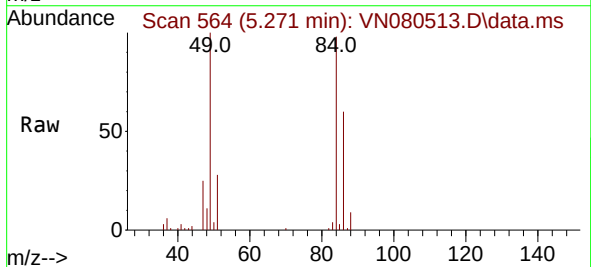
Manual Integrations
APPROVED

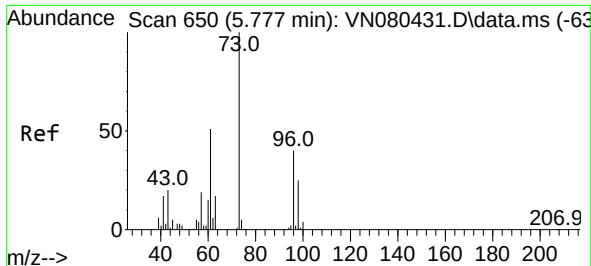
Reviewed By :John Carlone 12/20/2023
Supervised By :Mahesh Dadoda 12/20/2023



#20
Methylene Chloride
Concen: 21.852 ug/l
RT: 5.271 min Scan# 564
Delta R.T. -0.006 min
Lab File: VN080513.D
Acq: 19 Dec 2023 12:24

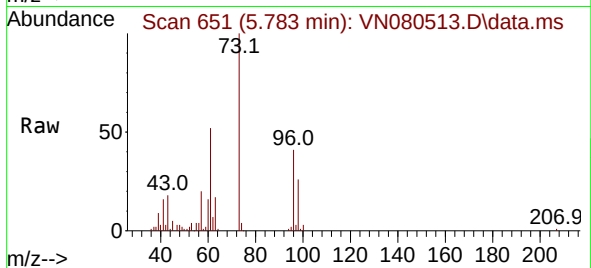
Tgt Ion: 84 Resp: 70560
Ion Ratio Lower Upper
84 100
49 102.2 79.7 119.5
51 28.4 25.2 37.8
86 60.9 53.3 79.9





#21
trans-1,2-Dichloroethene
Concen: 22.605 ug/l
RT: 5.783 min Scan# 61
Delta R.T. 0.006 min
Lab File: VN080513.D
Acq: 19 Dec 2023 12:24

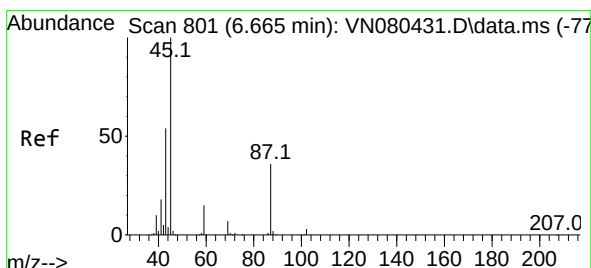
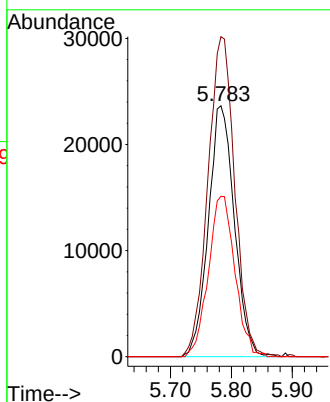
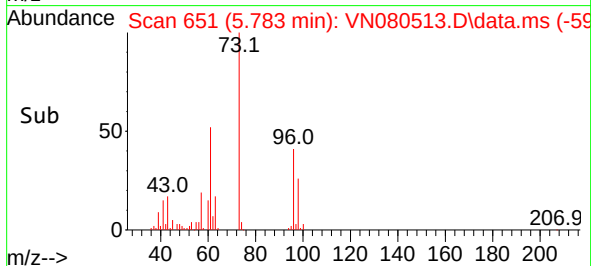
Instrument :
MSVOA_N
ClientSampleId :
VN1219WBSD01



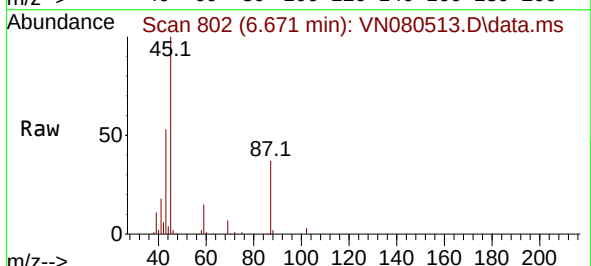
Tgt Ion: 96 Resp: 70200
Ion Ratio Lower Upper
96 100
61 127.6 90.1 135.1
98 63.9 46.4 69.6

Manual Integrations
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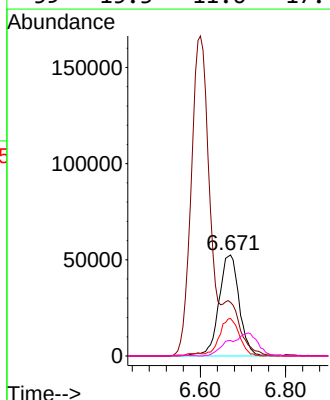
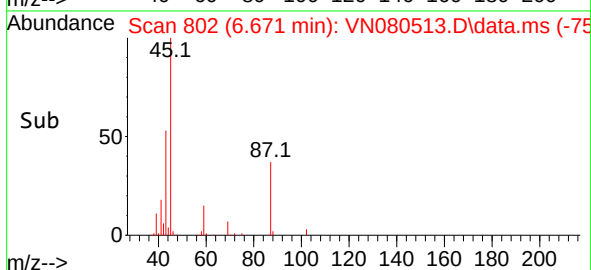
Reviewed By :John Carlone 12/20/2023
Supervised By :Mahesh Dadoda 12/20/2023

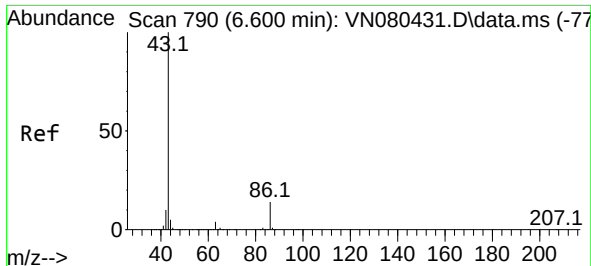


#22
Diisopropyl ether
Concen: 22.679 ug/l
RT: 6.671 min Scan# 802
Delta R.T. 0.006 min
Lab File: VN080513.D
Acq: 19 Dec 2023 12:24



Tgt Ion: 45 Resp: 173452
Ion Ratio Lower Upper
45 100
43 52.2 45.5 68.3
87 37.2 31.8 47.8
59 15.3 11.6 17.4





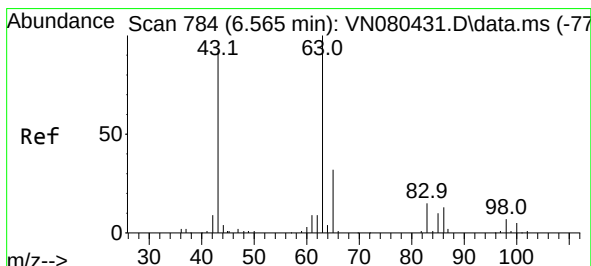
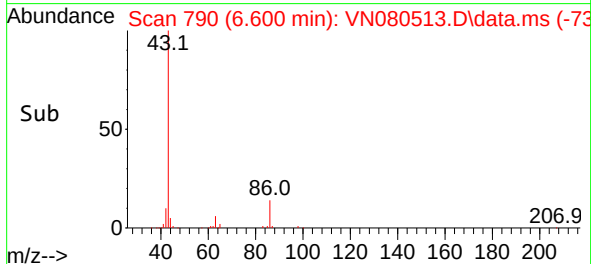
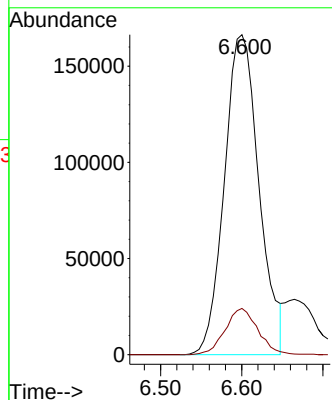
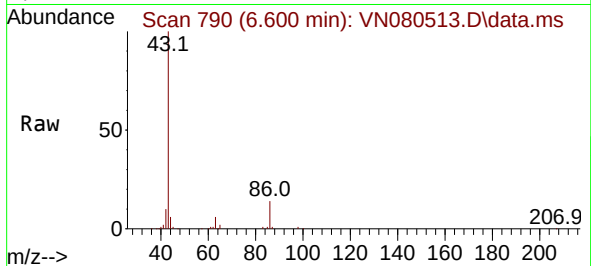
#23
 Vinyl Acetate
 Concen: 112.492 ug/l
 RT: 6.600 min Scan# 790
 Delta R.T. 0.000 min
 Lab File: VN080513.D
 Acq: 19 Dec 2023 12:24

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1219WBSD01

Tgt Ion: 43 Resp: 494128
 Ion Ratio Lower Upper
 43 100
 86 14.5 13.0 19.6

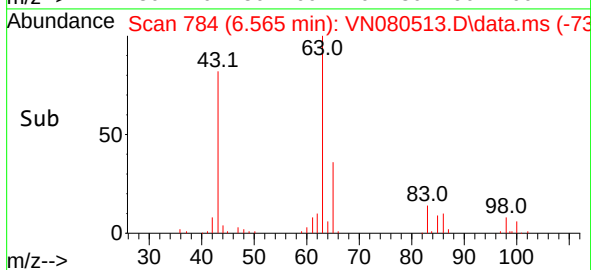
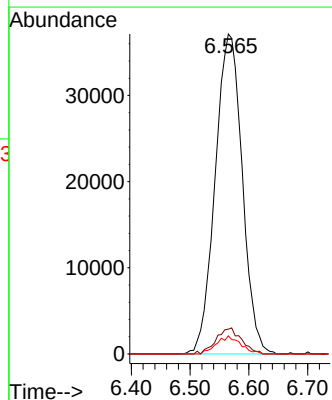
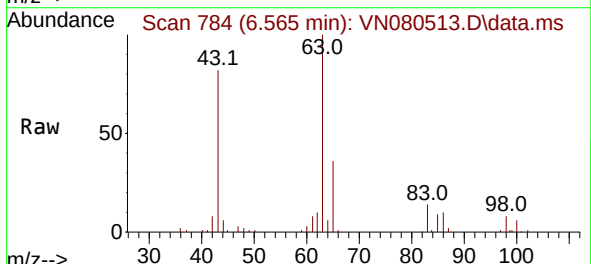
Manual Integrations
 APPROVED

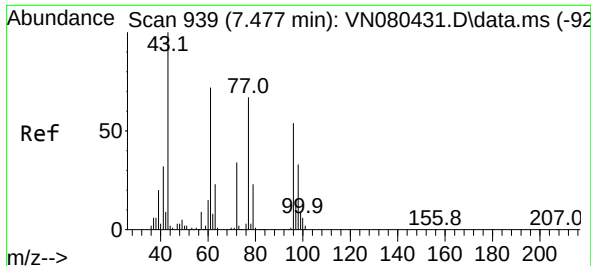
Reviewed By :John Carlone 12/20/2023
 Supervised By :Mahesh Dadoda 12/20/2023



#24
 1,1-Dichloroethane
 Concen: 22.242 ug/l
 RT: 6.565 min Scan# 784
 Delta R.T. 0.000 min
 Lab File: VN080513.D
 Acq: 19 Dec 2023 12:24

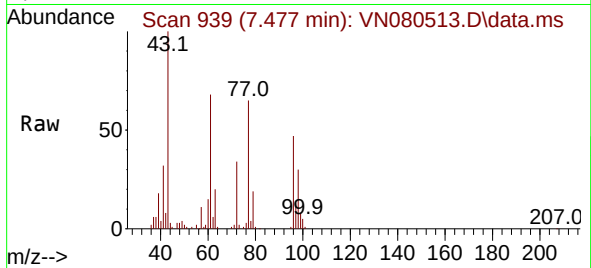
Tgt Ion: 63 Resp: 118684
 Ion Ratio Lower Upper
 63 100
 98 7.7 3.9 11.7
 100 5.6 2.5 7.4





#25
2-Butanone
Concen: 123.788 ug/l
RT: 7.477 min Scan# 911
Delta R.T. 0.000 min
Lab File: VN080513.D
Acq: 19 Dec 2023 12:24

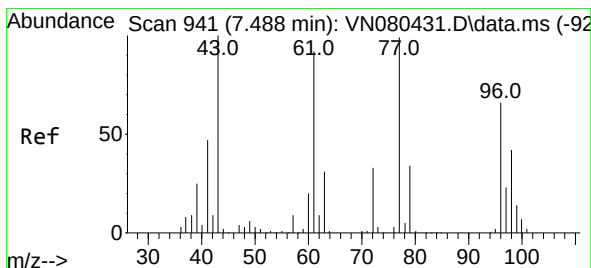
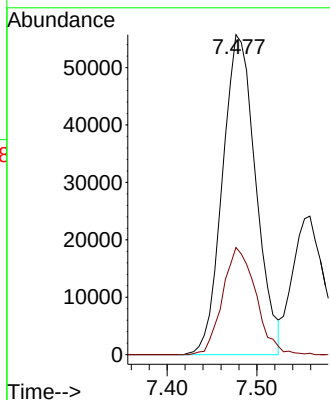
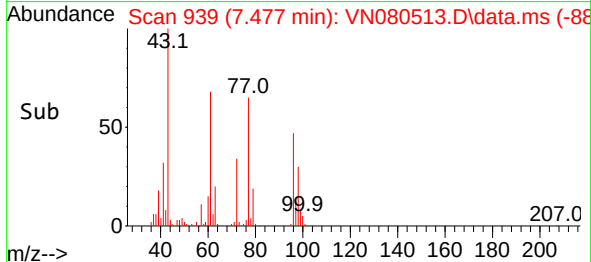
Instrument :
MSVOA_N
ClientSampleId :
VN1219WBSD01



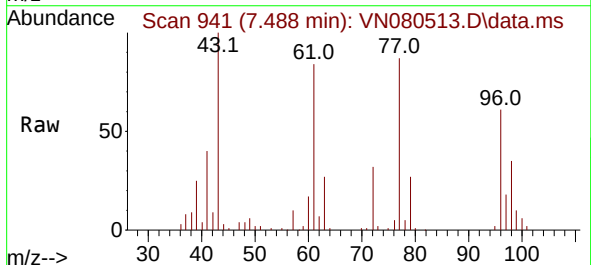
Tgt Ion: 43 Resp: 143880
Ion Ratio Lower Upper
43 100
72 33.5 30.2 45.2

Manual Integrations
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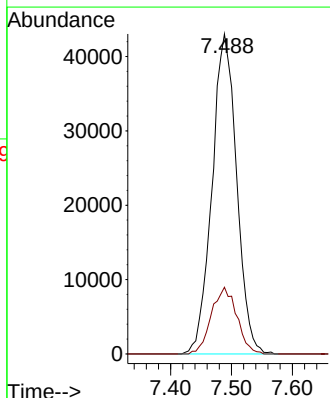
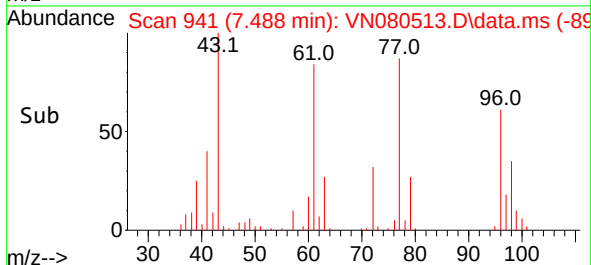
Reviewed By :John Carlone 12/20/2023
Supervised By :Mahesh Dadoda 12/20/2023

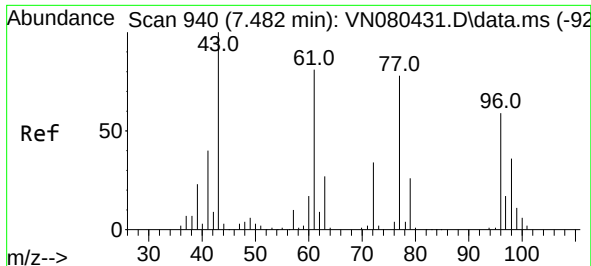


#26
2,2-Dichloropropane
Concen: 22.157 ug/l
RT: 7.488 min Scan# 941
Delta R.T. 0.000 min
Lab File: VN080513.D
Acq: 19 Dec 2023 12:24



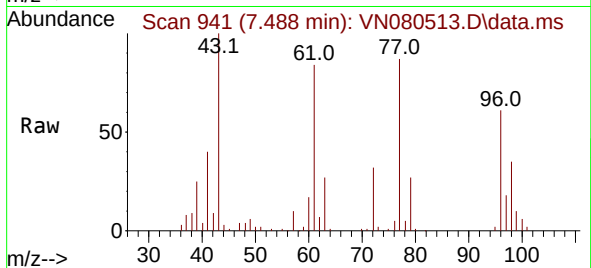
Tgt Ion: 77 Resp: 120897
Ion Ratio Lower Upper
77 100
97 21.6 11.2 33.6





#27
 cis-1,2-Dichloroethene
 Concen: 22.200 ug/l
 RT: 7.488 min Scan# 940
 Delta R.T. 0.006 min
 Lab File: VN080513.D
 Acq: 19 Dec 2023 12:24

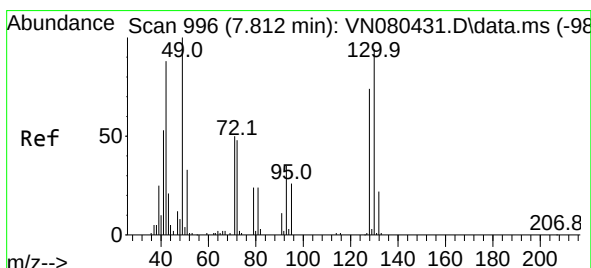
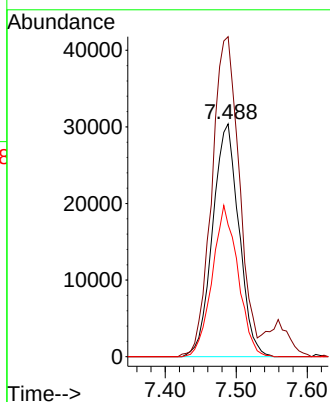
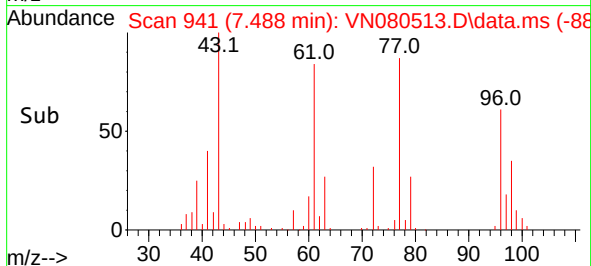
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1219WBSD01



Tgt Ion: 96 Resp: 7803
 Ion Ratio Lower Upper
 96 100
 61 144.4 0.0 255.2
 98 63.6 0.0 128.8

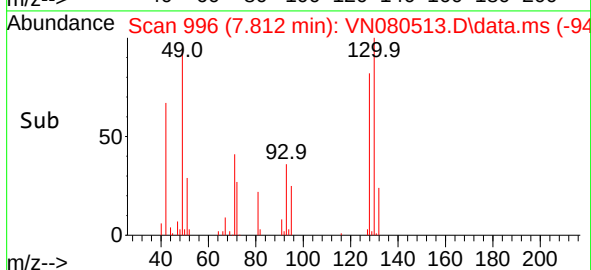
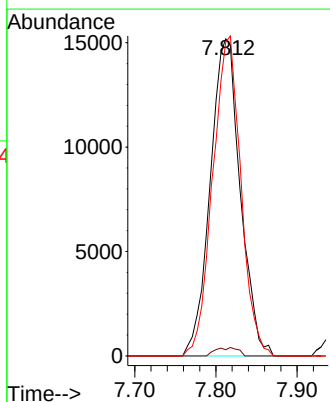
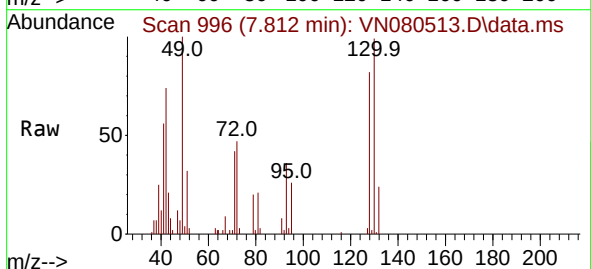
Manual Integrations
 APPROVED

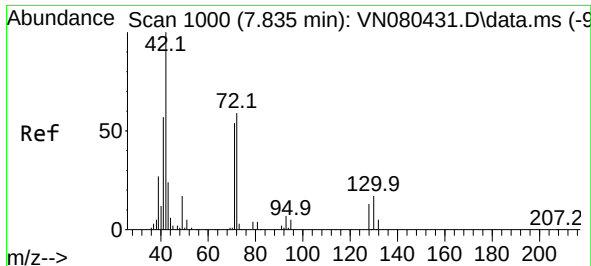
Reviewed By :John Carlone 12/20/2023
 Supervised By :Mahesh Dadoda 12/20/2023



#28
 Bromochloromethane
 Concen: 19.073 ug/l
 RT: 7.812 min Scan# 996
 Delta R.T. 0.000 min
 Lab File: VN080513.D
 Acq: 19 Dec 2023 12:24

Tgt Ion: 49 Resp: 39077
 Ion Ratio Lower Upper
 49 100
 129 2.0 0.0 4.8
 130 94.3 75.3 112.9





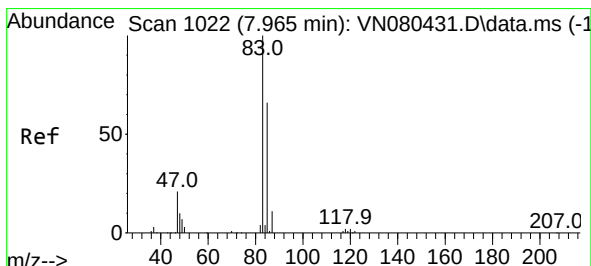
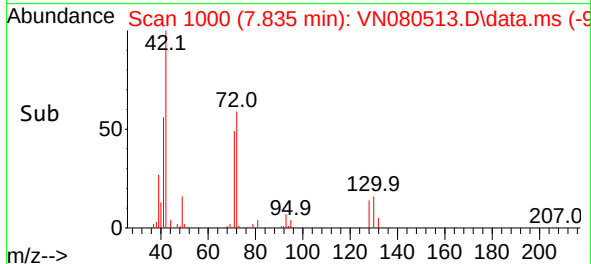
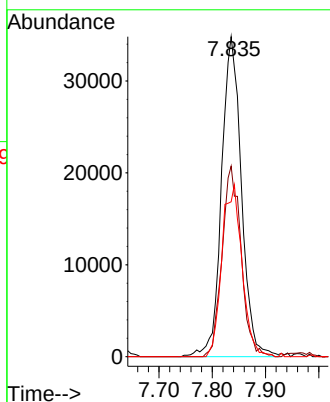
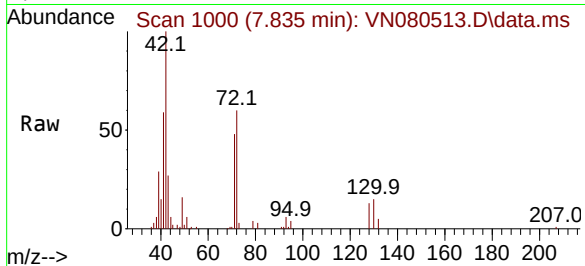
#29
Tetrahydrofuran
Concen: 108.554 ug/l
RT: 7.835 min Scan# 1000
Delta R.T. 0.000 min
Lab File: VN080513.D
Acq: 19 Dec 2023 12:24

Instrument :
MSVOA_N
ClientSampleId :
VN1219WBSD01

Tgt Ion: 42 Resp: 9035
Ion Ratio Lower Upper
42 100
72 56.9 49.8 74.6
71 54.2 47.4 71.2

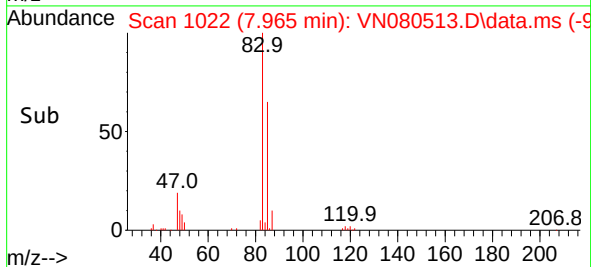
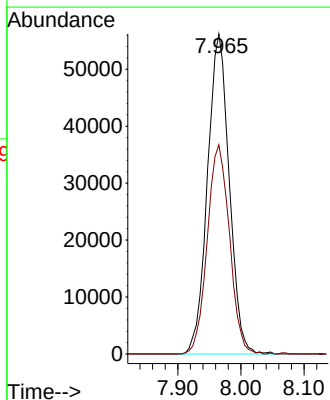
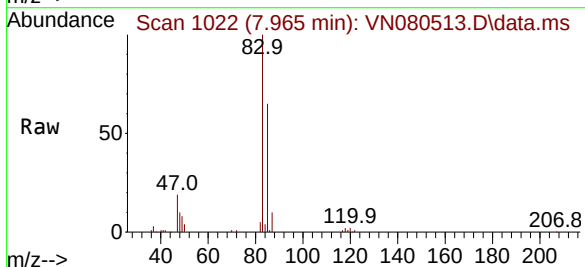
Manual Integrations
APPROVED

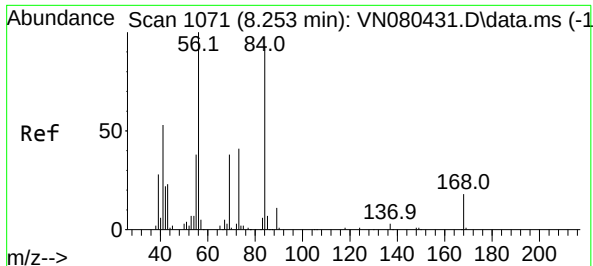
Reviewed By :John Carlone 12/20/2023
Supervised By :Mahesh Dadoda 12/20/2023



#30
Chloroform
Concen: 22.676 ug/l
RT: 7.965 min Scan# 1022
Delta R.T. 0.000 min
Lab File: VN080513.D
Acq: 19 Dec 2023 12:24

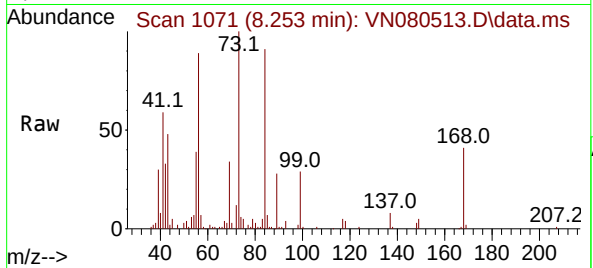
Tgt Ion: 83 Resp: 134312
Ion Ratio Lower Upper
83 100
85 65.4 55.4 83.0





#31
Cyclohexane
Concen: 21.945 ug/l
RT: 8.253 min Scan# 1071
Delta R.T. 0.000 min
Lab File: VN080513.D
Acq: 19 Dec 2023 12:24

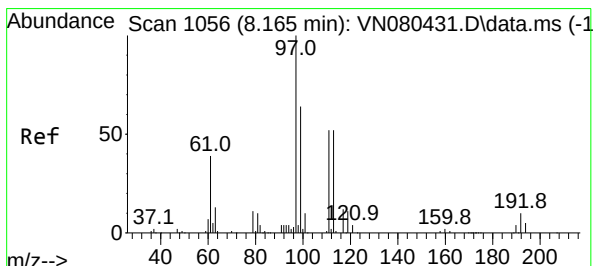
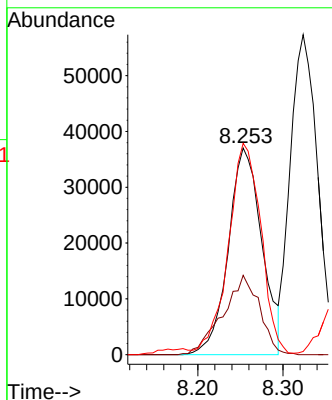
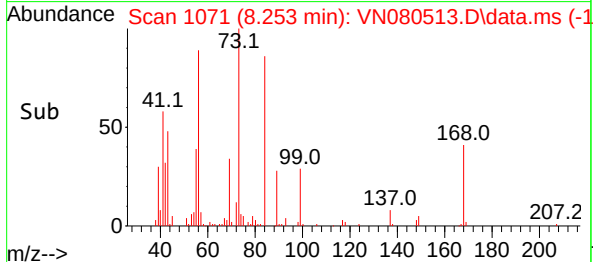
Instrument :
MSVOA_N
ClientSampleId :
VN1219WBSD01



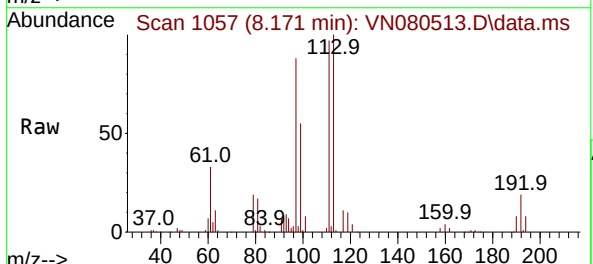
Tgt Ion: 56 Resp: 101548
Ion Ratio Lower Upper
56 100
69 38.4 26.8 40.2
84 99.7 81.8 122.6

Manual Integrations
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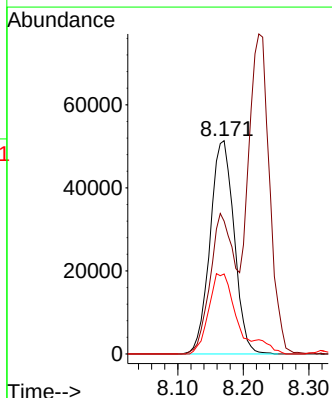
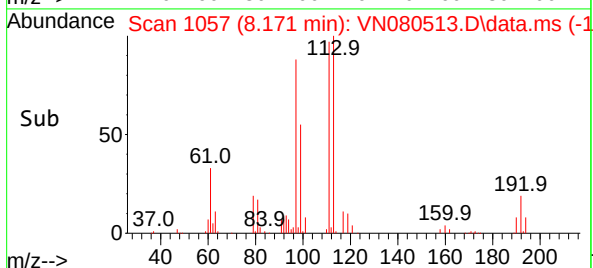
Reviewed By :John Carlone 12/20/2023
Supervised By :Mahesh Dadoda 12/20/2023

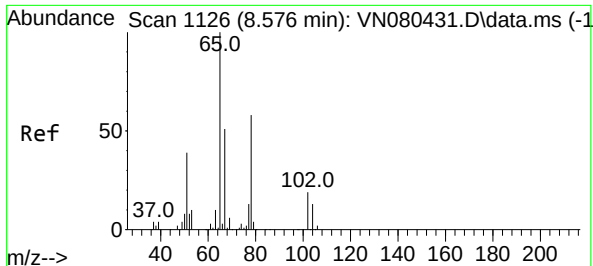


#32
1,1,1-Trichloroethane
Concen: 22.533 ug/l
RT: 8.171 min Scan# 1057
Delta R.T. 0.006 min
Lab File: VN080513.D
Acq: 19 Dec 2023 12:24



Tgt Ion: 97 Resp: 130676
Ion Ratio Lower Upper
97 100
99 67.0 50.3 75.5
61 40.8 34.7 52.1





#33

1,2-Dichloroethane-d4

Concen: 53.173 ug/l

RT: 8.577 min Scan# 1126

Delta R.T. 0.000 min

Lab File: VN080513.D

Acq: 19 Dec 2023 12:24

Instrument :

MSVOA_N

ClientSampleId :

VN1219WBSD01

Tgt Ion: 65 Resp: 180930

Ion Ratio Lower Upper

65 100

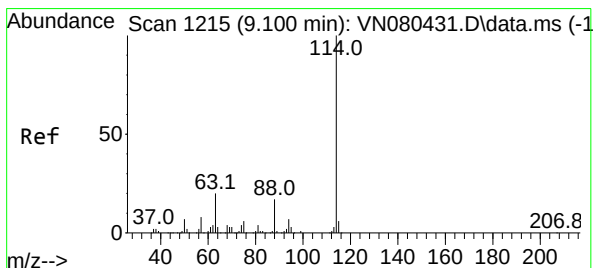
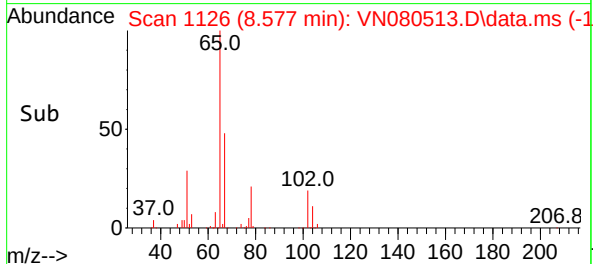
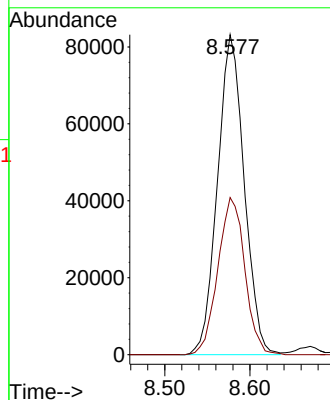
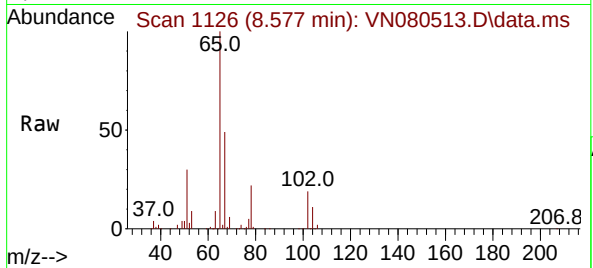
67 49.6 0.0 106.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/20/2023

Supervised By :Mahesh Dadoda 12/20/2023



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 1215

Delta R.T. 0.000 min

Lab File: VN080513.D

Acq: 19 Dec 2023 12:24

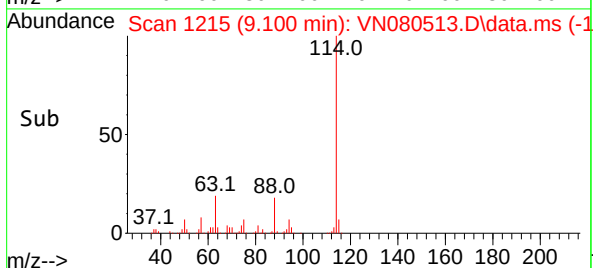
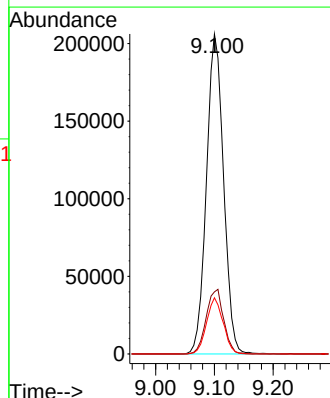
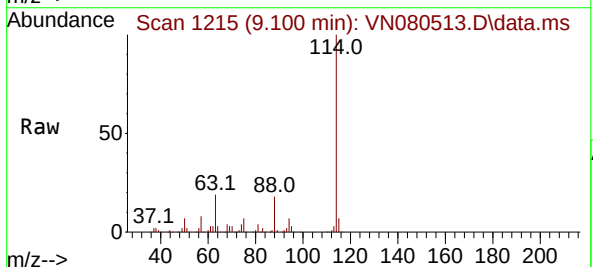
Tgt Ion:114 Resp: 416104

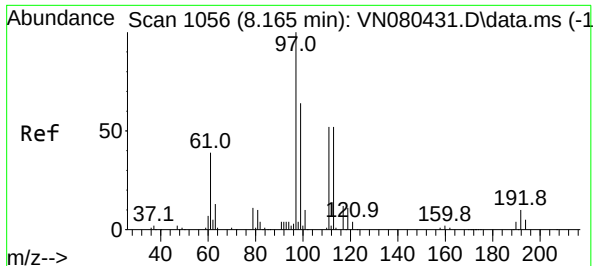
Ion Ratio Lower Upper

114 100

63 19.4 0.0 36.4

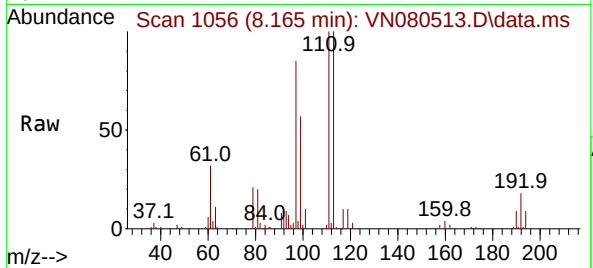
88 17.6 0.0 30.6





#35
Dibromofluoromethane
Concen: 53.485 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. 0.000 min
Lab File: VN080513.D
Acq: 19 Dec 2023 12:24

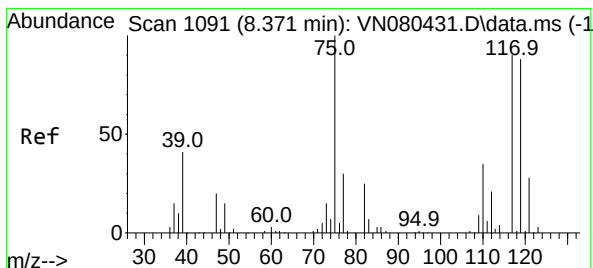
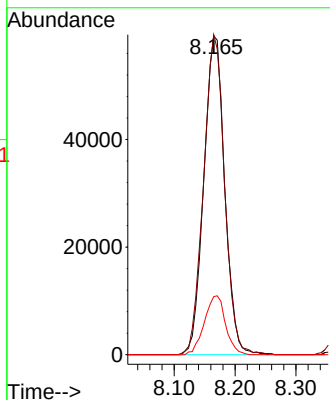
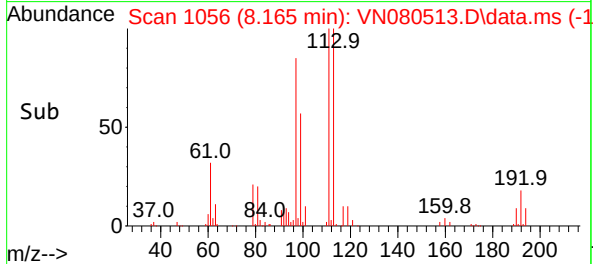
Instrument :
MSVOA_N
ClientSampleId :
VN1219WBSD01



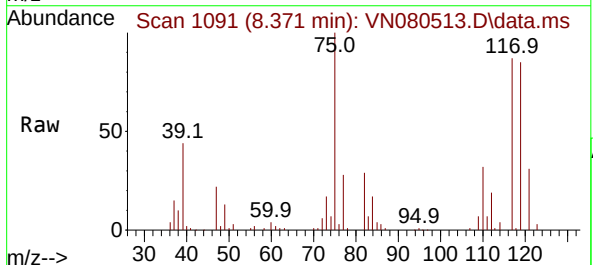
Tgt Ion: 113 Resp: 141108
Ion Ratio Lower Upper
113 100
111 101.1 82.6 123.8
192 18.7 12.7 19.1

Manual Integrations
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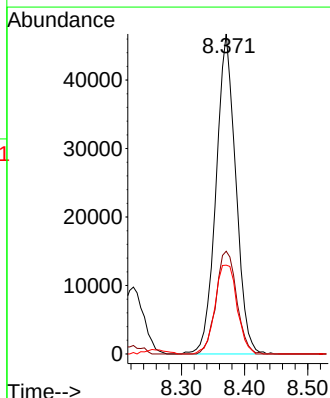
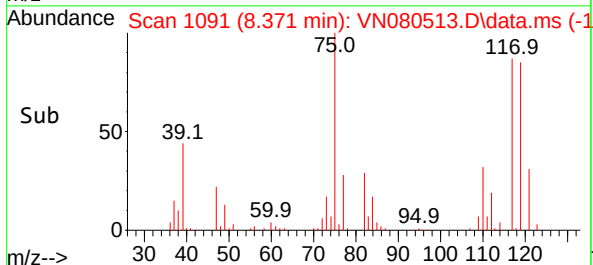
Reviewed By :John Carlone 12/20/2023
Supervised By :Mahesh Dadoda 12/20/2023

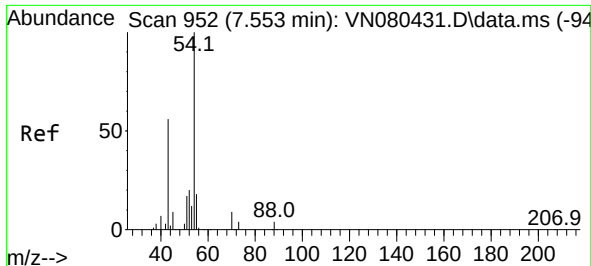


#36
1,1-Dichloropropene
Concen: 23.474 ug/l
RT: 8.371 min Scan# 1091
Delta R.T. 0.000 min
Lab File: VN080513.D
Acq: 19 Dec 2023 12:24



Tgt Ion: 75 Resp: 101262
Ion Ratio Lower Upper
75 100
110 33.7 19.1 57.3
77 31.1 25.0 37.4





#37

Ethyl Acetate

Concen: 22.787 ug/l

RT: 7.559 min Scan# 91

Delta R.T. 0.006 min

Lab File: VN080513.D

Acq: 19 Dec 2023 12:24

Instrument :

MSVOA_N

ClientSampleId :

VN1219WBSD01

Tgt Ion: 43 Resp: 6155

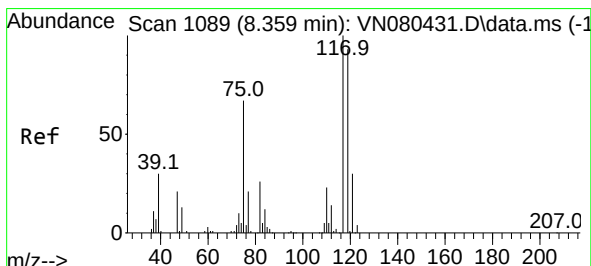
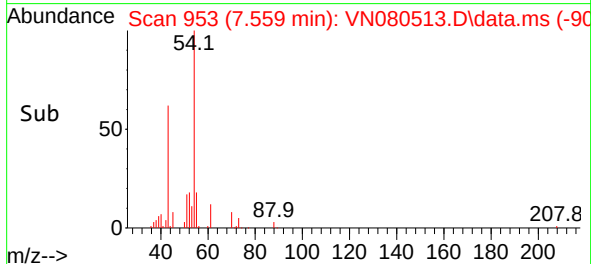
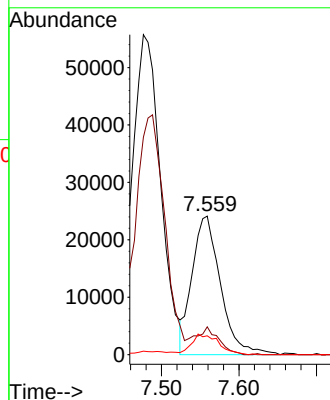
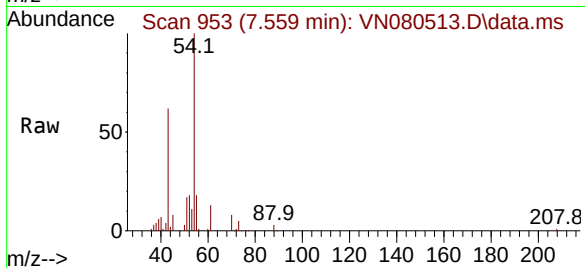
Ion	Ratio	Lower	Upper
43	100		
61	15.4	13.2	19.8
70	14.0	11.3	16.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/20/2023

Supervised By :Mahesh Dadoda 12/20/2023



#38

Carbon Tetrachloride

Concen: 22.848 ug/l

RT: 8.365 min Scan# 1090

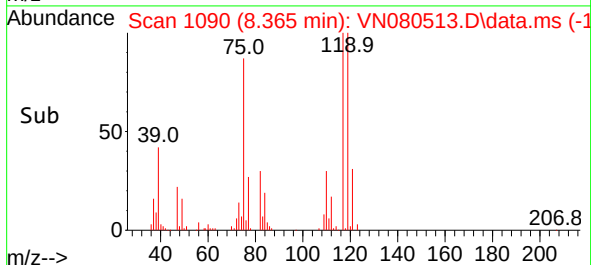
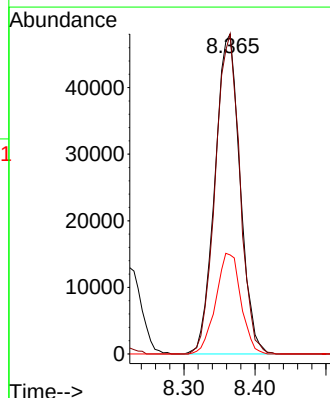
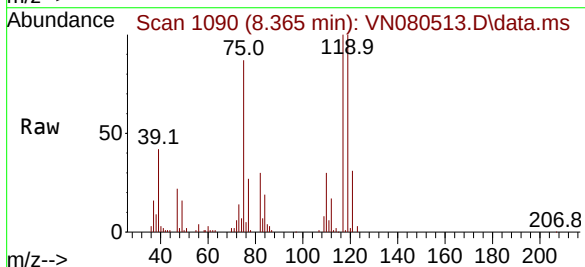
Delta R.T. 0.006 min

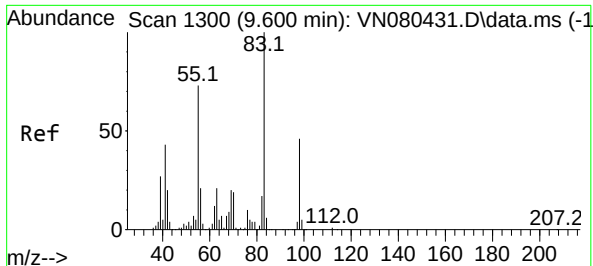
Lab File: VN080513.D

Acq: 19 Dec 2023 12:24

Tgt Ion:117 Resp: 117768

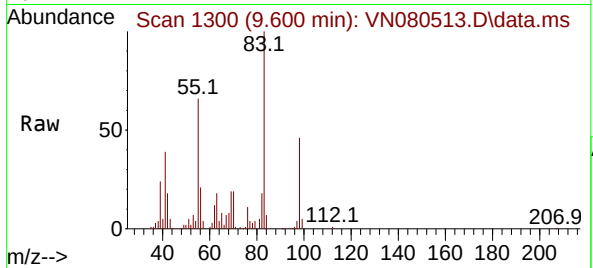
Ion	Ratio	Lower	Upper
117	100		
119	100.0	77.3	115.9
121	30.9	23.3	34.9





#39
Methylcyclohexane
Concen: 22.444 ug/l
RT: 9.600 min Scan# 11300
Delta R.T. 0.000 min
Lab File: VN080513.D
Acq: 19 Dec 2023 12:24

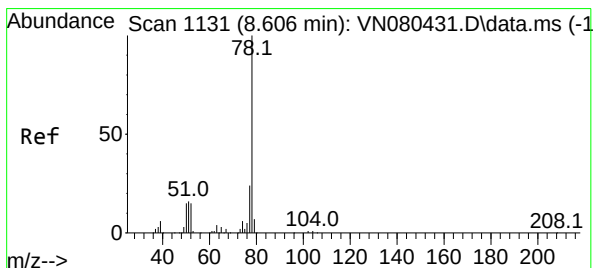
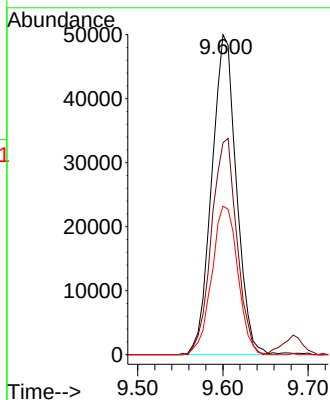
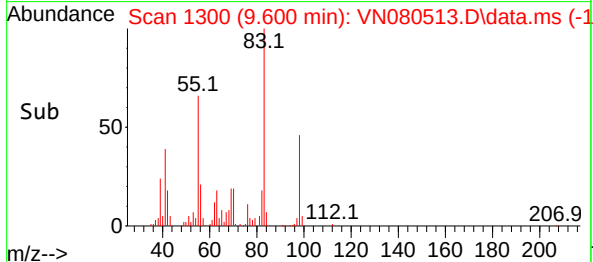
Instrument :
MSVOA_N
ClientSampleId :
VN1219WBSD01



Tgt Ion: 83 Resp: 100578
Ion Ratio Lower Upper
83 100
55 66.3 49.1 73.7
98 46.4 40.6 61.0

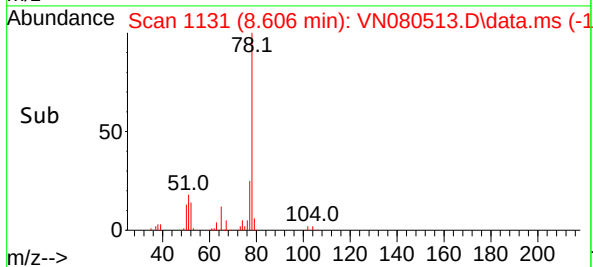
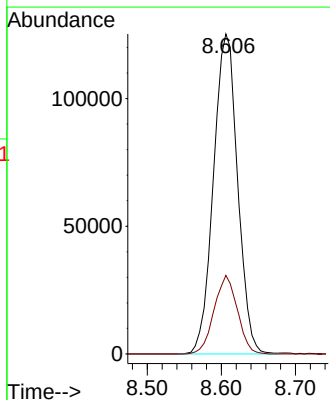
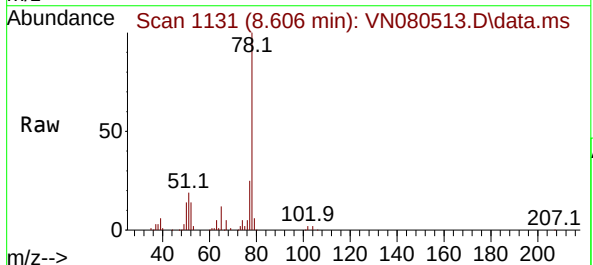
Manual Integrations
APPROVED

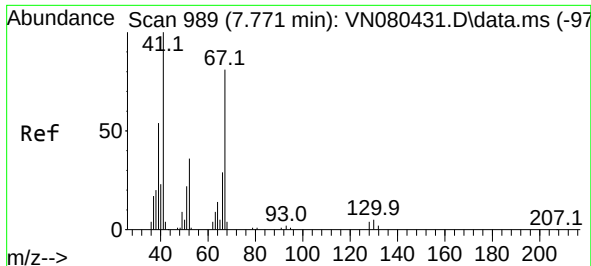
Reviewed By :John Carlone 12/20/2023
Supervised By :Mahesh Dadoda 12/20/2023



#40
Benzene
Concen: 22.786 ug/l
RT: 8.606 min Scan# 1131
Delta R.T. 0.000 min
Lab File: VN080513.D
Acq: 19 Dec 2023 12:24

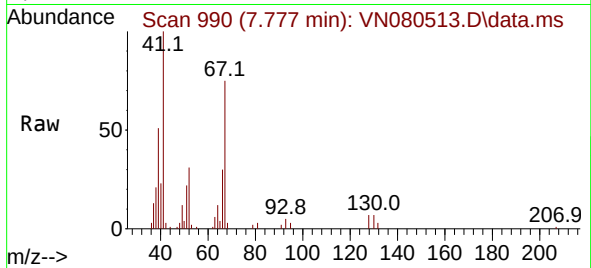
Tgt Ion: 78 Resp: 283839
Ion Ratio Lower Upper
78 100
77 24.5 19.0 28.6





#41
Methacrylonitrile
Concen: 21.692 ug/l
RT: 7.777 min Scan# 989
Delta R.T. 0.006 min
Lab File: VN080513.D
Acq: 19 Dec 2023 12:24

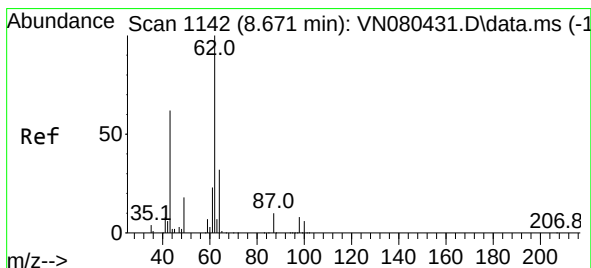
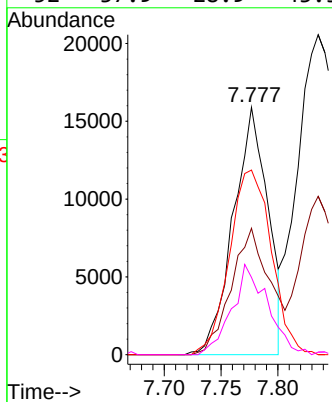
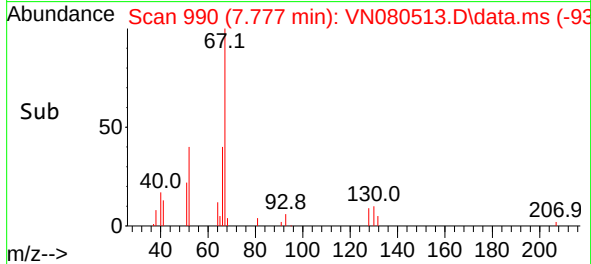
Instrument :
MSVOA_N
ClientSampleId :
VN1219WBSD01



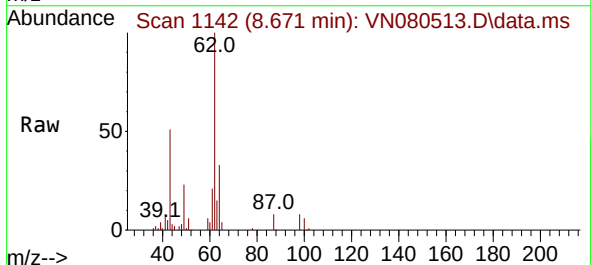
Tgt Ion: 41 Resp: 3378
Ion Ratio Lower Upper
41 100
39 57.7 42.6 64.0
67 90.1 77.5 116.3
52 37.9 28.9 43.3

Manual Integrations
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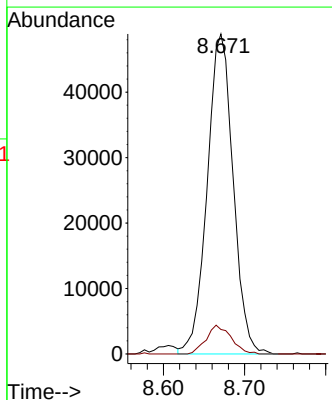
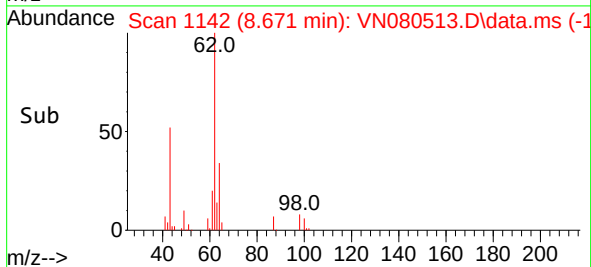
Reviewed By :John Carlone 12/20/2023
Supervised By :Mahesh Dadoda 12/20/2023

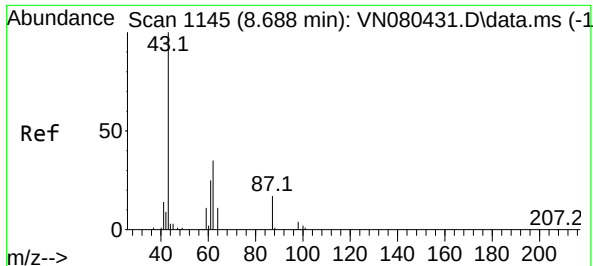


#42
1,2-Dichloroethane
Concen: 23.510 ug/l
RT: 8.671 min Scan# 1142
Delta R.T. 0.000 min
Lab File: VN080513.D
Acq: 19 Dec 2023 12:24



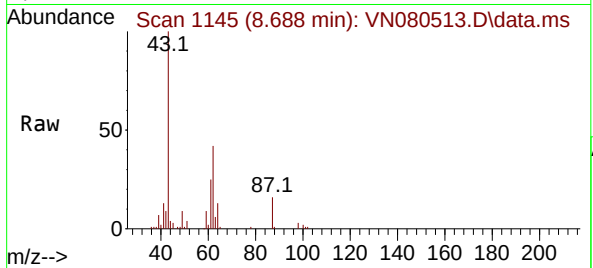
Tgt Ion: 62 Resp: 108445
Ion Ratio Lower Upper
62 100
98 8.6 0.0 19.8





#43
Isopropyl Acetate
Concen: 22.044 ug/l
RT: 8.688 min Scan# 1145
Delta R.T. 0.000 min
Lab File: VN080513.D
Acq: 19 Dec 2023 12:24

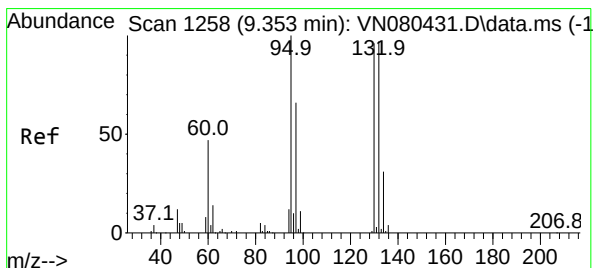
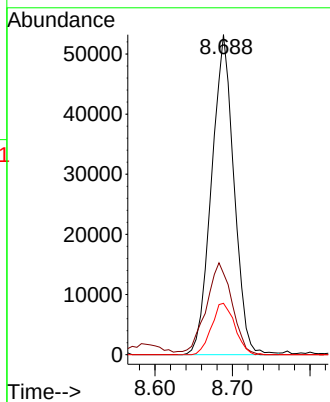
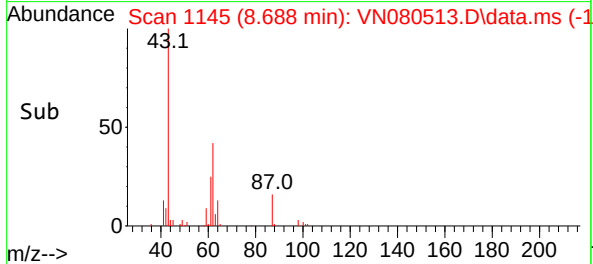
Instrument :
MSVOA_N
ClientSampleId :
VN1219WBSD01



Tgt Ion: 43 Resp: 10706
Ion Ratio Lower Upper
43 100
61 33.2 24.7 37.1
87 16.6 14.6 21.8

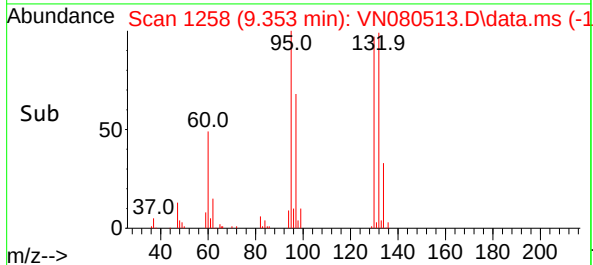
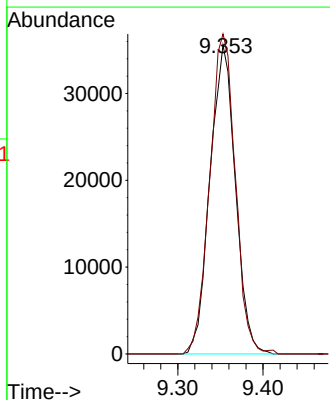
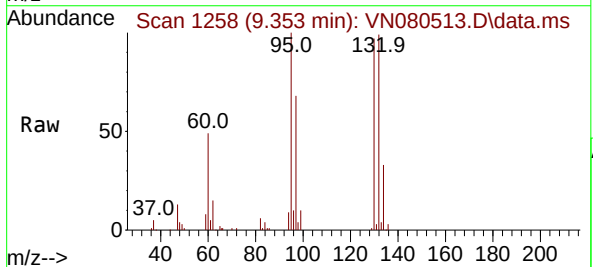
Manual Integrations
APPROVED

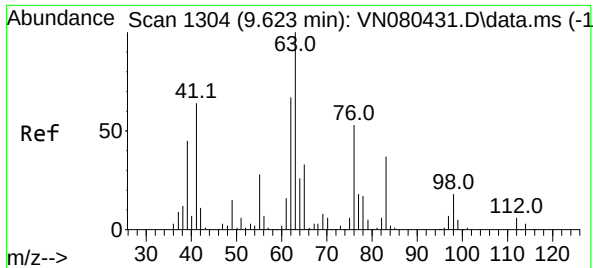
Reviewed By :John Carlone 12/20/2023
Supervised By :Mahesh Dadoda 12/20/2023



#44
Trichloroethene
Concen: 21.984 ug/l
RT: 9.353 min Scan# 1258
Delta R.T. 0.000 min
Lab File: VN080513.D
Acq: 19 Dec 2023 12:24

Tgt Ion:130 Resp: 73826
Ion Ratio Lower Upper
130 100
95 103.6 0.0 204.6





#45

1,2-Dichloropropane

Concen: 22.427 ug/l

RT: 9.624 min Scan# 1304

Delta R.T. 0.000 min

Lab File: VN080513.D

Acq: 19 Dec 2023 12:24

Instrument :

MSVOA_N

ClientSampleId :

VN1219WBSD01

Tgt Ion: 63 Resp: 6561

Ion Ratio Lower Upper

63 100

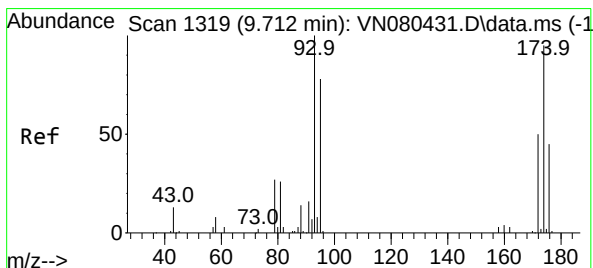
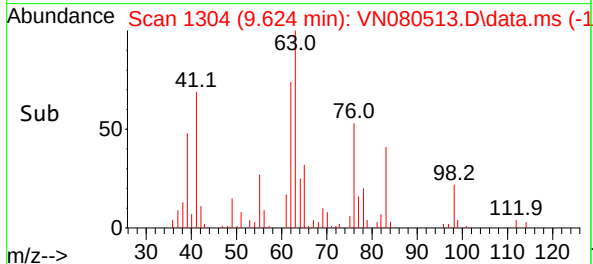
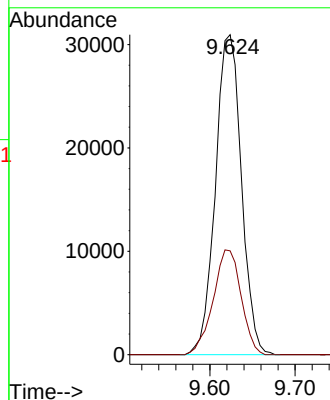
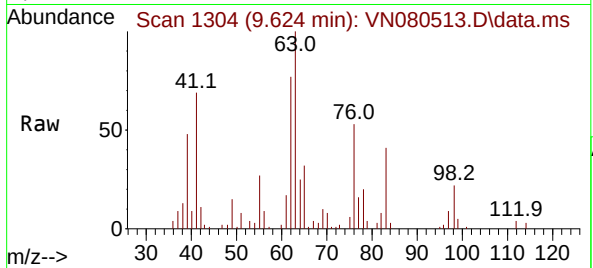
65 32.4 23.9 35.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/20/2023

Supervised By :Mahesh Dadoda 12/20/2023



#46

Dibromomethane

Concen: 22.223 ug/l

RT: 9.712 min Scan# 1319

Delta R.T. 0.000 min

Lab File: VN080513.D

Acq: 19 Dec 2023 12:24

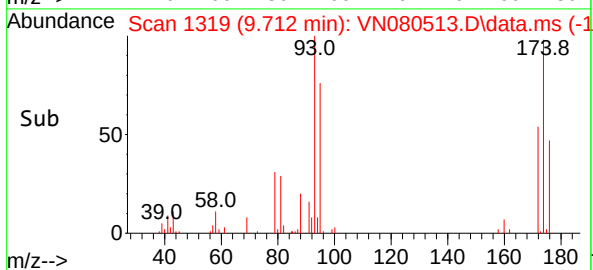
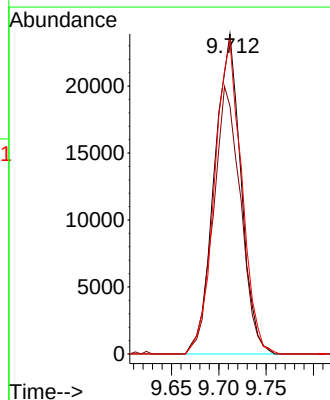
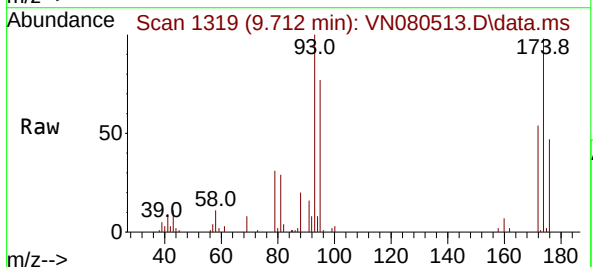
Tgt Ion: 93 Resp: 46692

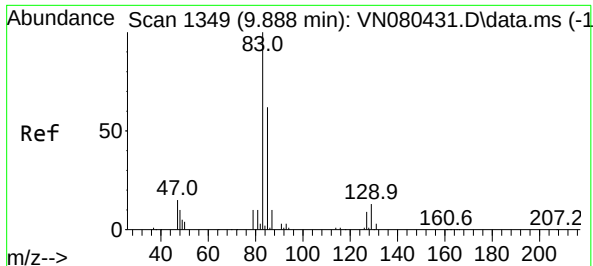
Ion Ratio Lower Upper

93 100

95 85.5 63.8 95.8

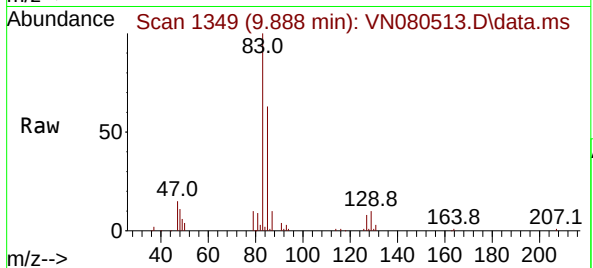
174 99.7 65.6 98.4#





#47
Bromodichloromethane
Concen: 23.513 ug/l
RT: 9.888 min Scan# 1349
Delta R.T. 0.000 min
Lab File: VN080513.D
Acq: 19 Dec 2023 12:24

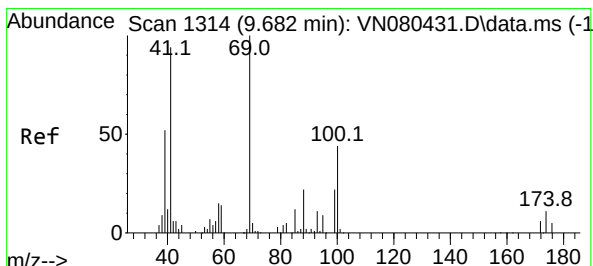
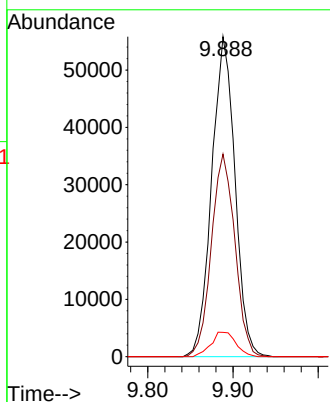
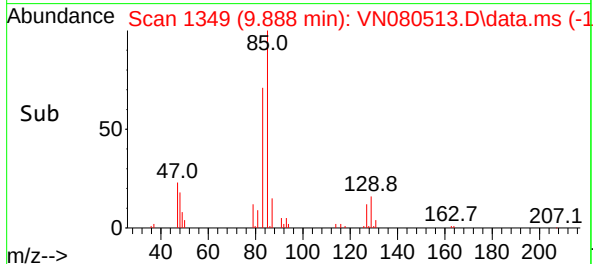
Instrument :
MSVOA_N
ClientSampleId :
VN1219WBSD01



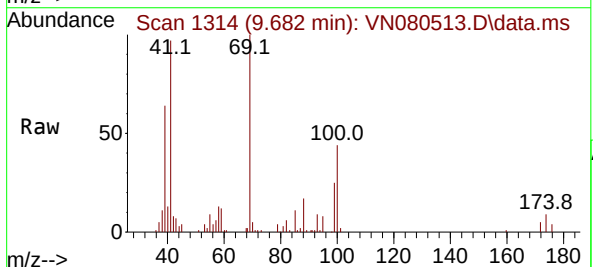
Tgt Ion: 83 Resp: 105870
Ion Ratio Lower Upper
83 100
85 63.3 49.6 74.4
127 7.6 7.0 10.6

Manual Integrations
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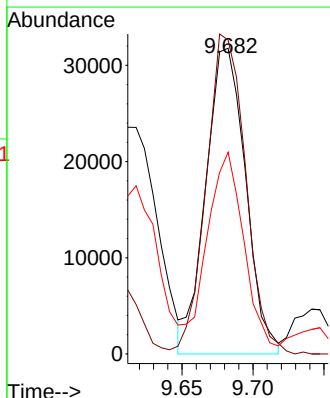
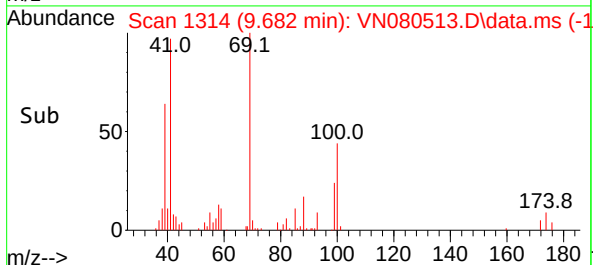
Reviewed By :John Carlone 12/20/2023
Supervised By :Mahesh Dadoda 12/20/2023

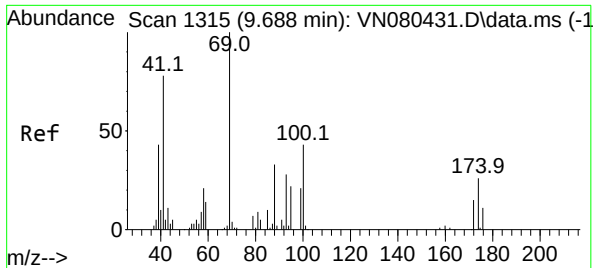


#48
Methyl methacrylate
Concen: 21.412 ug/l
RT: 9.682 min Scan# 1314
Delta R.T. 0.000 min
Lab File: VN080513.D
Acq: 19 Dec 2023 12:24



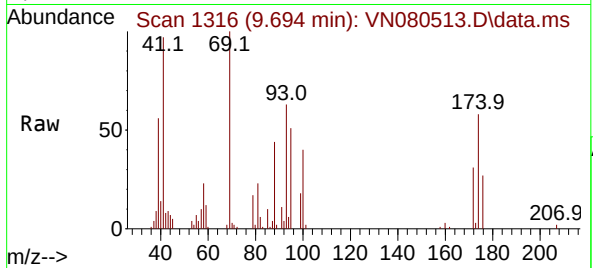
Tgt Ion: 41 Resp: 62061
Ion Ratio Lower Upper
41 100
69 103.0 90.4 135.6
39 62.4 54.6 81.8





#49
1,4-Dioxane
Concen: 419.533 ug/l
RT: 9.694 min Scan# 1315
Delta R.T. 0.006 min
Lab File: VN080513.D
Acq: 19 Dec 2023 12:24

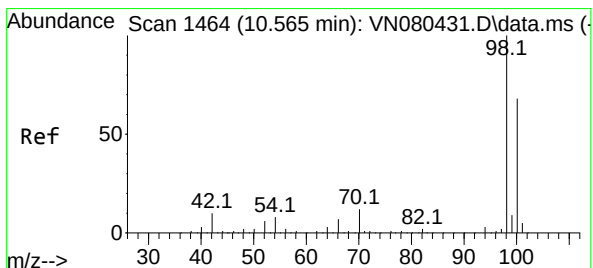
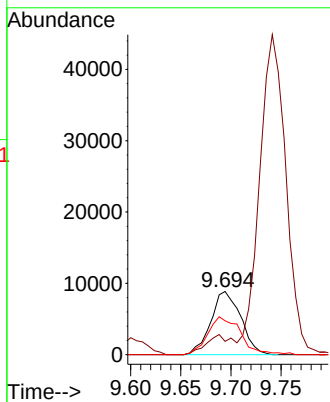
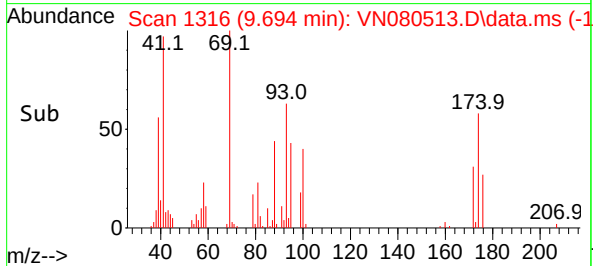
Instrument :
MSVOA_N
ClientSampleId :
VN1219WBSD01



Tgt Ion: 88 Resp: 1843
Ion Ratio Lower Upper
88 100
43 27.8 17.0 25.6
58 66.4 47.0 70.4

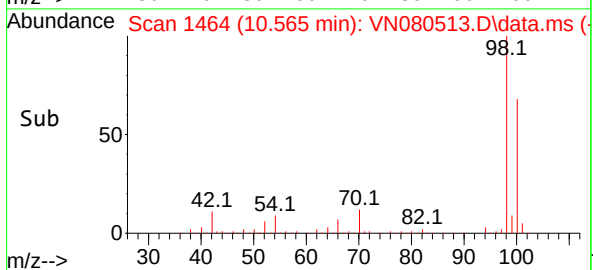
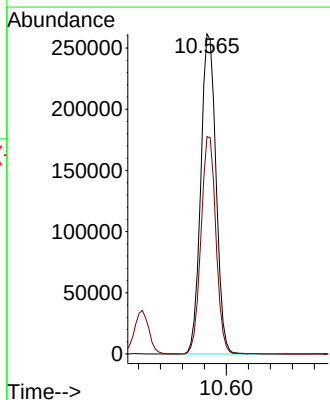
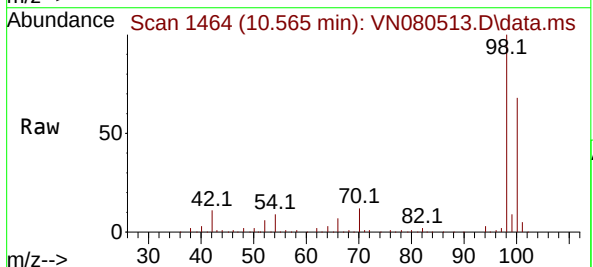
Manual Integrations
APPROVED

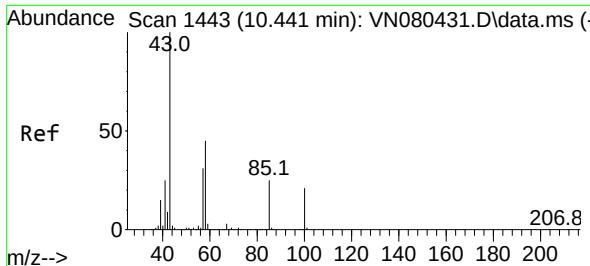
Reviewed By :John Carlone 12/20/2023
Supervised By :Mahesh Dadoda 12/20/2023



#50
Toluene-d8
Concen: 50.965 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. 0.000 min
Lab File: VN080513.D
Acq: 19 Dec 2023 12:24

Tgt Ion: 98 Resp: 501468
Ion Ratio Lower Upper
98 100
100 66.7 52.0 78.0





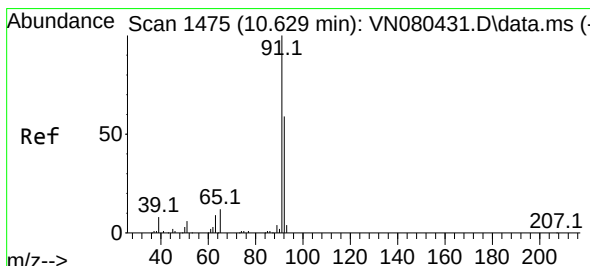
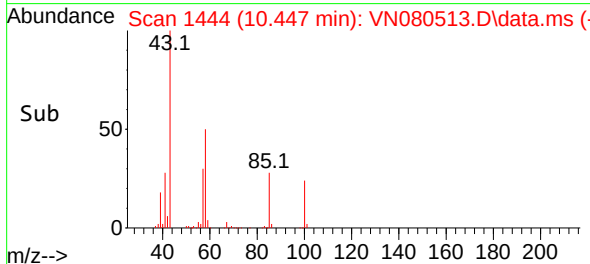
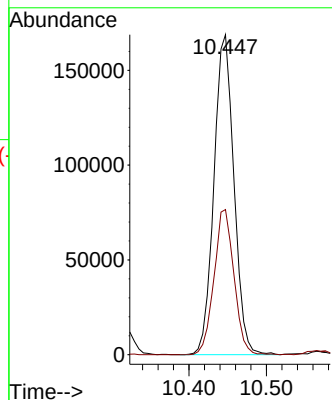
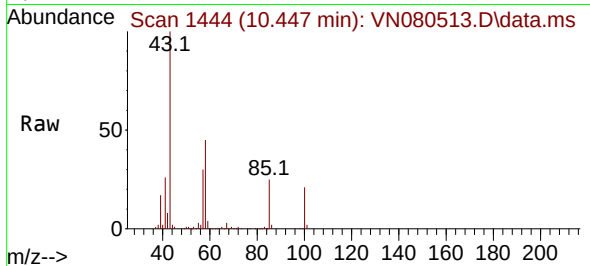
#51
4-Methyl-2-Pentanone
Concen: 113.107 ug/l
RT: 10.447 min Scan# 1443
Delta R.T. 0.006 min
Lab File: VN080513.D
Acq: 19 Dec 2023 12:24

Instrument :
MSVOA_N
ClientSampleId :
VN1219WBSD01

Tgt Ion: 43 Resp: 302554
Ion Ratio Lower Upper
43 100
58 45.3 36.6 54.8

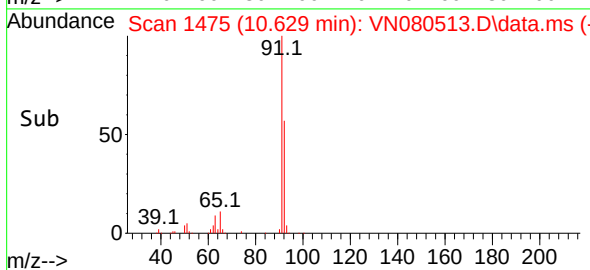
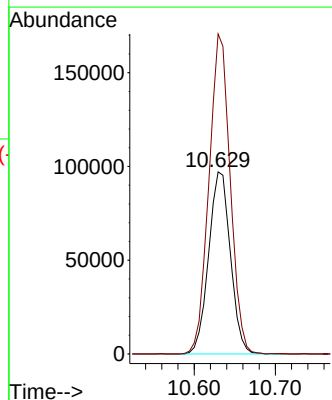
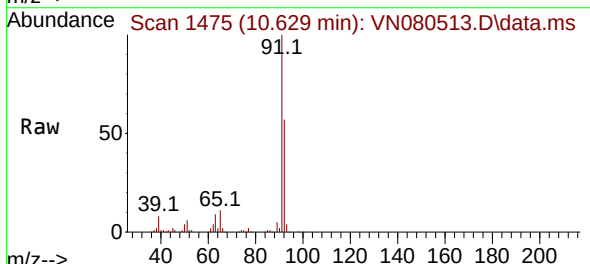
Manual Integrations
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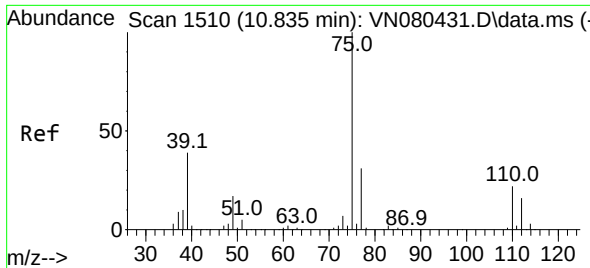
Reviewed By :John Carlone 12/20/2023
Supervised By :Mahesh Dadoda 12/20/2023



#52
Toluene
Concen: 22.955 ug/l
RT: 10.629 min Scan# 1475
Delta R.T. 0.000 min
Lab File: VN080513.D
Acq: 19 Dec 2023 12:24

Tgt Ion: 92 Resp: 180640
Ion Ratio Lower Upper
92 100
91 171.6 137.4 206.0





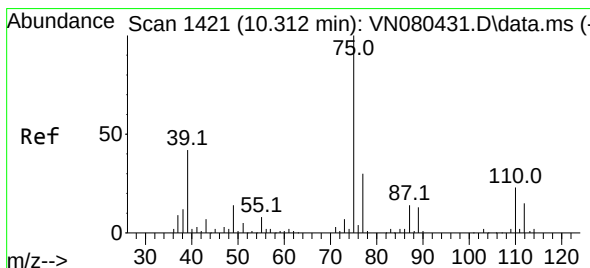
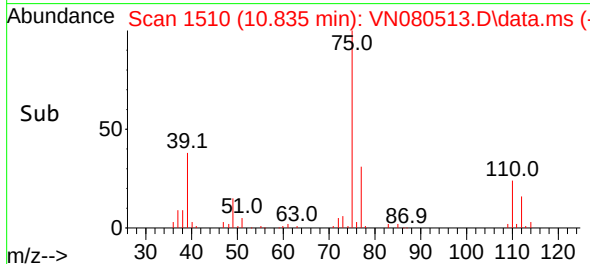
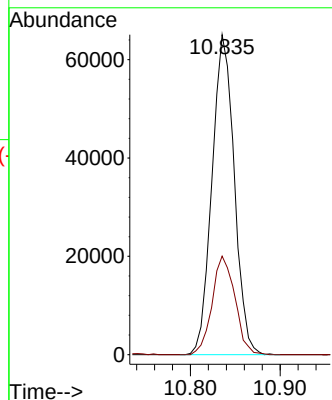
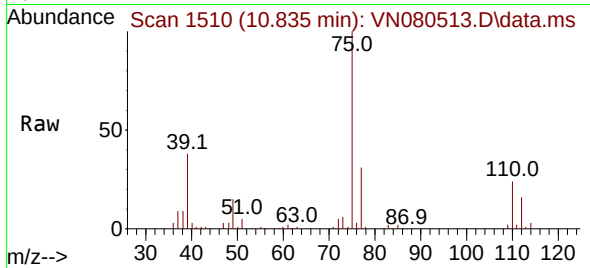
#53
 t-1,3-Dichloropropene
 Concen: 23.005 ug/l
 RT: 10.835 min Scan# 11207
 Delta R.T. 0.000 min
 Lab File: VN080513.D
 Acq: 19 Dec 2023 12:24

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1219WBSD01

Tgt Ion: 75 Resp: 11207
 Ion Ratio Lower Upper
 75 100
 77 30.8 25.4 38.0

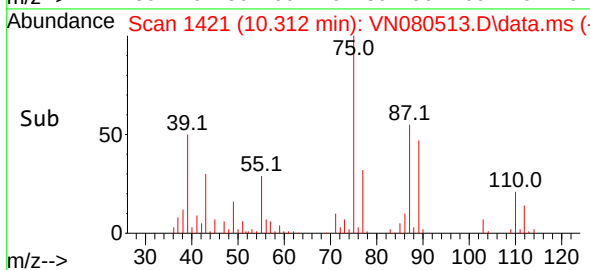
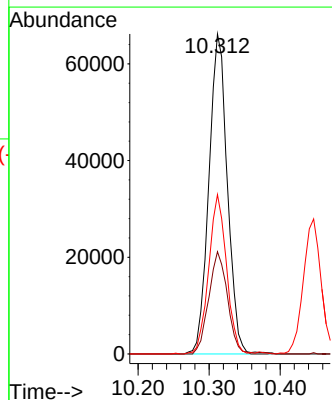
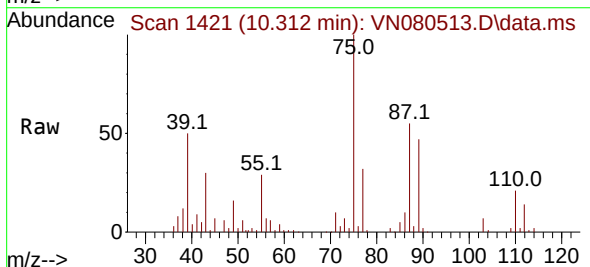
Manual Integrations
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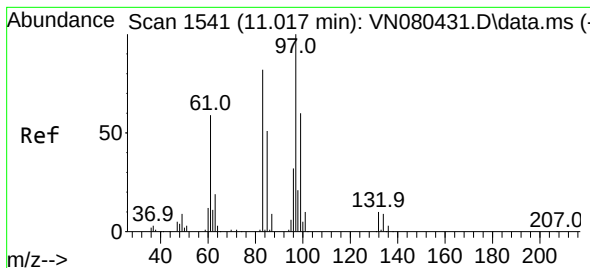
Reviewed By :John Carlone 12/20/2023
 Supervised By :Mahesh Dadoda 12/20/2023



#54
 cis-1,3-Dichloropropene
 Concen: 22.962 ug/l
 RT: 10.312 min Scan# 1421
 Delta R.T. 0.000 min
 Lab File: VN080513.D
 Acq: 19 Dec 2023 12:24

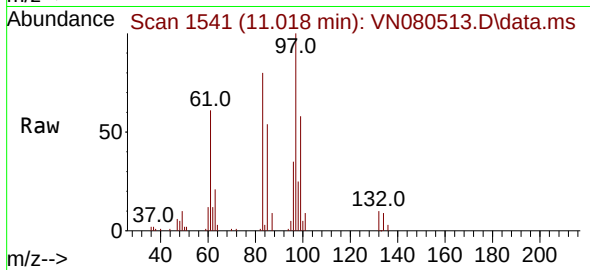
Tgt Ion: 75 Resp: 119571
 Ion Ratio Lower Upper
 75 100
 77 32.0 26.1 39.1
 39 49.8 31.6 47.4#





#55
1,1,2-Trichloroethane
Concen: 23.313 ug/l
RT: 11.018 min Scan# 1541
Delta R.T. 0.000 min
Lab File: VN080513.D
Acq: 19 Dec 2023 12:24

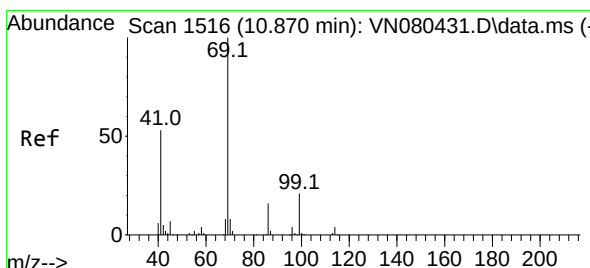
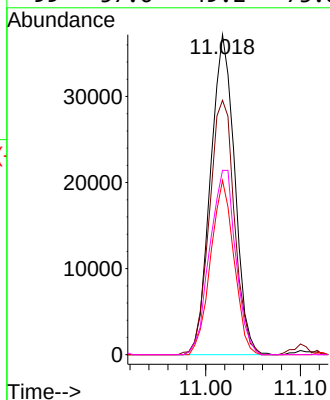
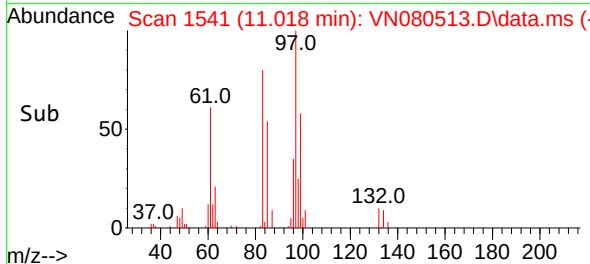
Instrument :
MSVOA_N
ClientSampleId :
VN1219WBSD01



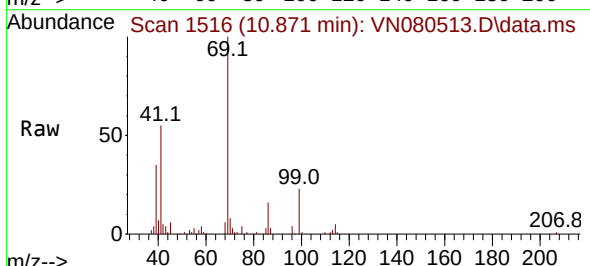
Tgt Ion:	97	Resp:	6601
Ion	Ratio	Lower	Upper
97	100		
83	79.5	65.1	97.7
85	54.4	43.4	65.2
99	57.6	49.2	73.8

Manual Integrations
APPROVED

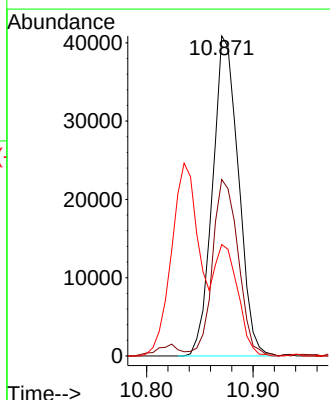
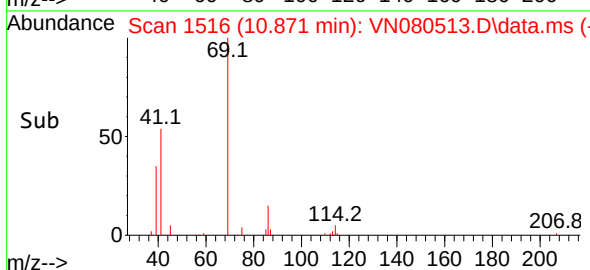
Reviewed By :John Carlone 12/20/2023
Supervised By :Mahesh Dadoda 12/20/2023

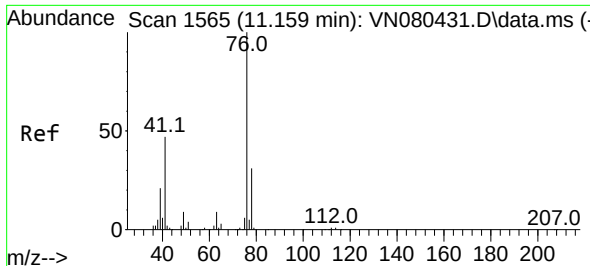


#56
Ethyl methacrylate
Concen: 21.998 ug/l
RT: 10.871 min Scan# 1516
Delta R.T. 0.000 min
Lab File: VN080513.D
Acq: 19 Dec 2023 12:24



Tgt Ion:	69	Resp:	68960
Ion	Ratio	Lower	Upper
69	100		
41	55.1	39.6	59.4
39	31.1	28.6	43.0





#57

1,3-Dichloropropane

Concen: 22.796 ug/l

RT: 11.165 min Scan# 11315

Delta R.T. 0.006 min

Lab File: VN080513.D

Acq: 19 Dec 2023 12:24

Instrument :

MSVOA_N

ClientSampleId :

VN1219WBSD01

Tgt Ion: 76 Resp: 11315

Ion Ratio Lower Upper

76 100

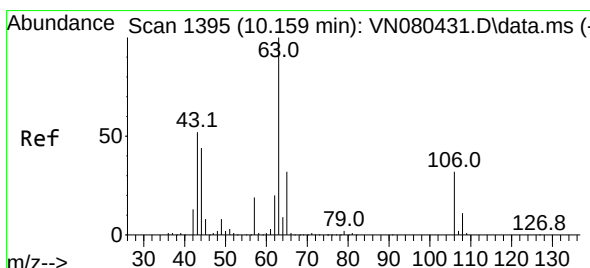
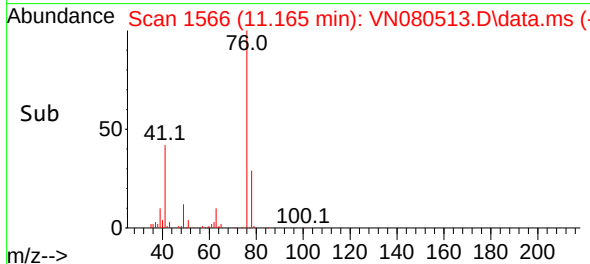
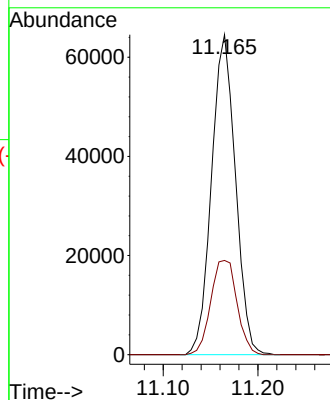
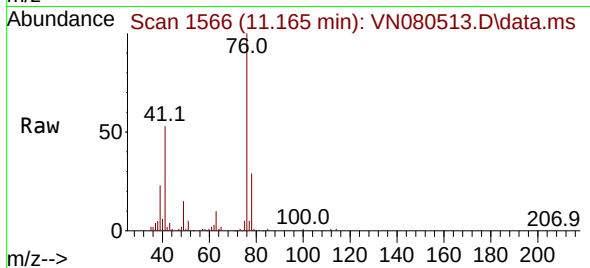
78 32.3 26.1 39.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/20/2023

Supervised By :Mahesh Dadoda 12/20/2023



#58

2-Chloroethyl Vinyl ether

Concen: 97.679 ug/l

RT: 10.159 min Scan# 1395

Delta R.T. 0.000 min

Lab File: VN080513.D

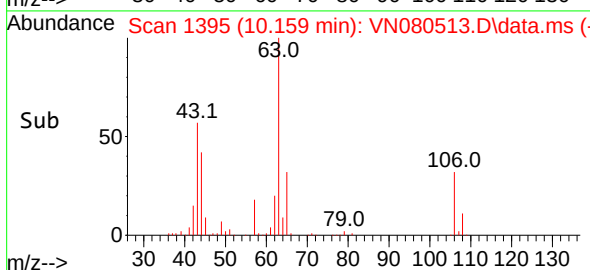
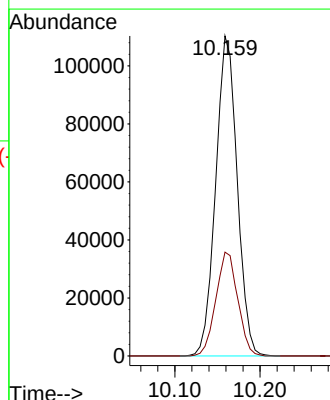
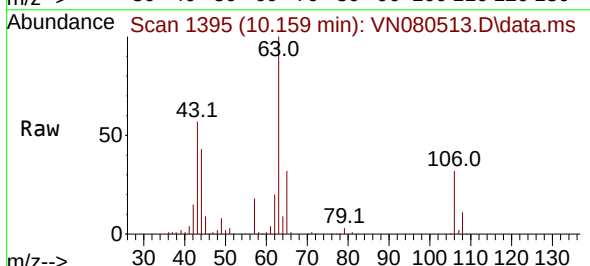
Acq: 19 Dec 2023 12:24

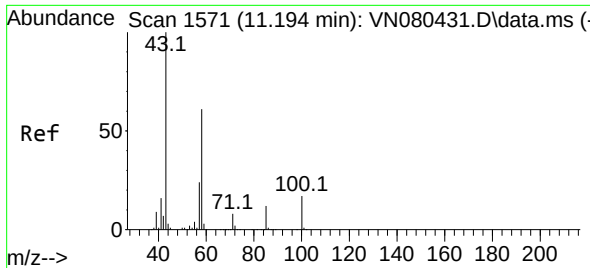
Tgt Ion: 63 Resp: 193312

Ion Ratio Lower Upper

63 100

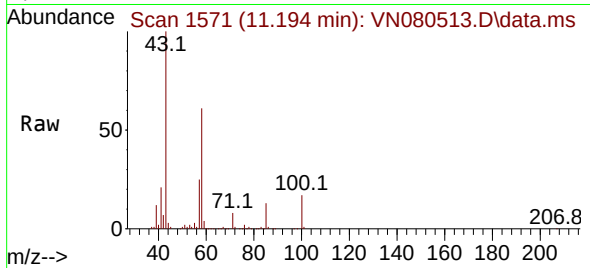
106 33.0 26.2 39.4





#59
2-Hexanone
Concen: 124.199 ug/l
RT: 11.194 min Scan# 1571
Delta R.T. 0.000 min
Lab File: VN080513.D
Acq: 19 Dec 2023 12:24

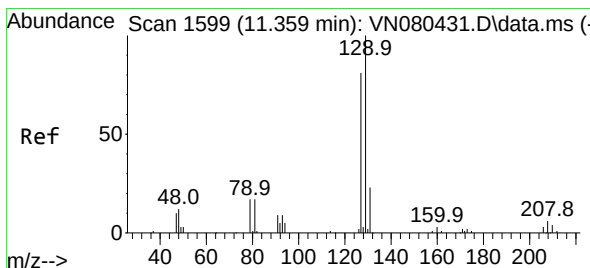
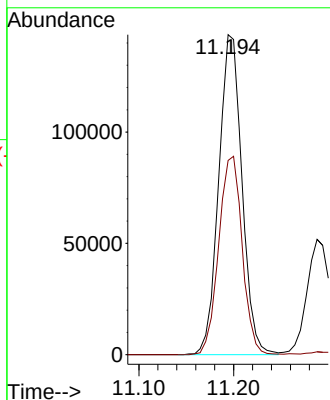
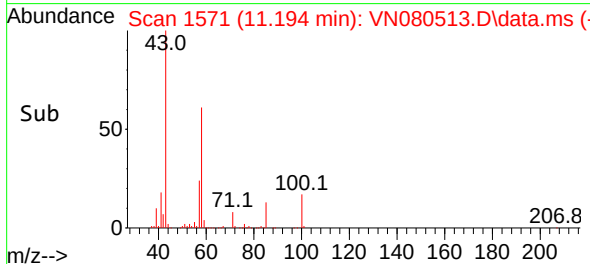
Instrument :
MSVOA_N
ClientSampleId :
VN1219WBSD01



Tgt Ion: 43 Resp: 24526
Ion Ratio Lower Upper
43 100
58 62.5 31.7 95.1

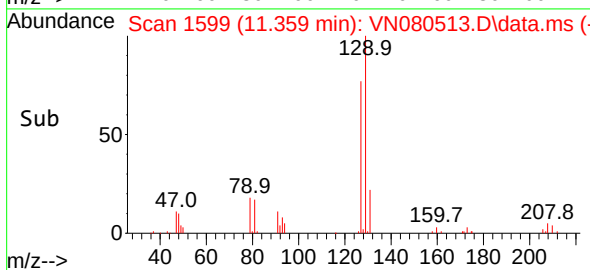
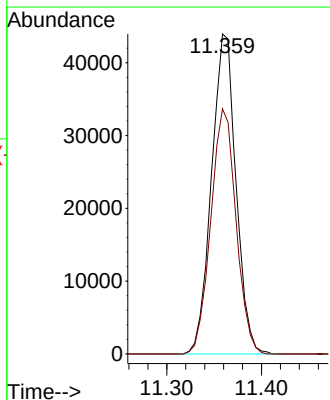
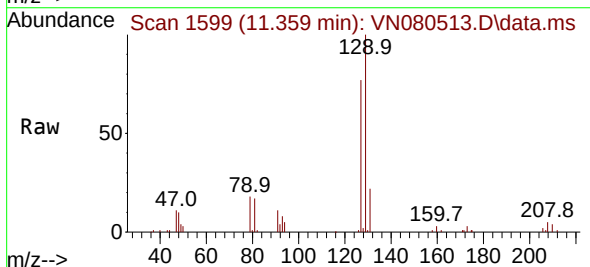
Manual Integrations
APPROVED

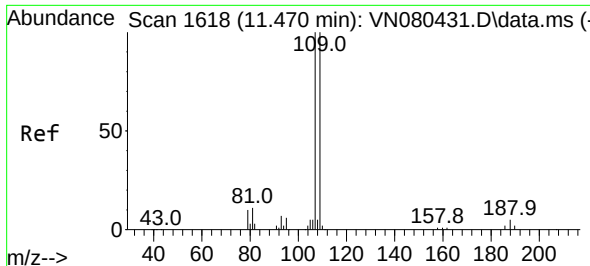
Reviewed By :John Carlone 12/20/2023
Supervised By :Mahesh Dadoda 12/20/2023



#60
Dibromochloromethane
Concen: 23.536 ug/l
RT: 11.359 min Scan# 1599
Delta R.T. 0.000 min
Lab File: VN080513.D
Acq: 19 Dec 2023 12:24

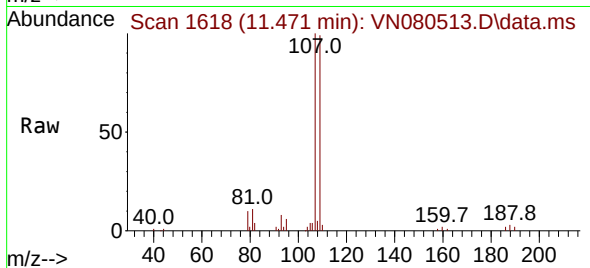
Tgt Ion:129 Resp: 78970
Ion Ratio Lower Upper
129 100
127 78.7 38.6 116.0





#61
1,2-Dibromoethane
Concen: 22.450 ug/l
RT: 11.471 min Scan# 1618
Delta R.T. 0.000 min
Lab File: VN080513.D
Acq: 19 Dec 2023 12:24

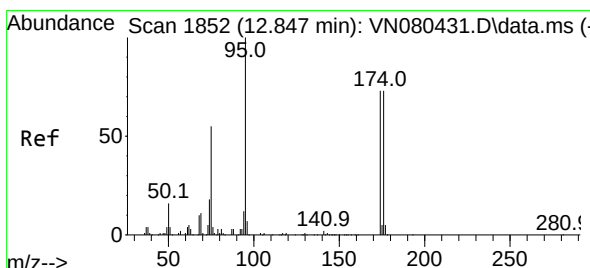
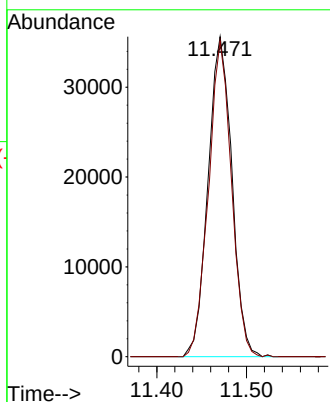
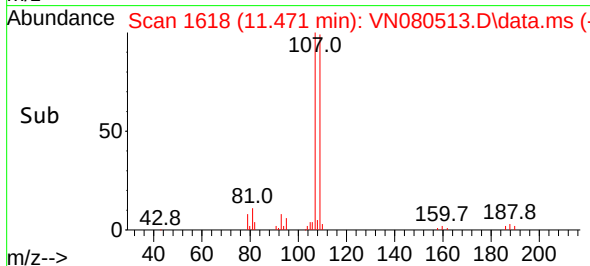
Instrument :
MSVOA_N
ClientSampleId :
VN1219WBSD01



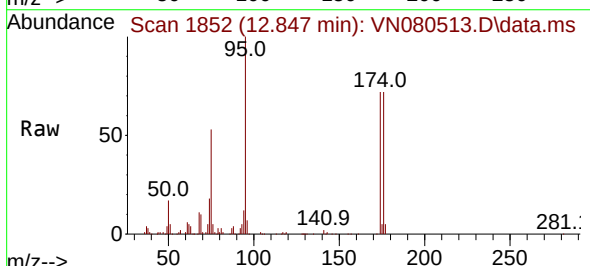
Tgt Ion:107 Resp: 6579
Ion Ratio Lower Upper
107 100
109 95.0 76.6 114.8

Manual Integrations
APPROVED

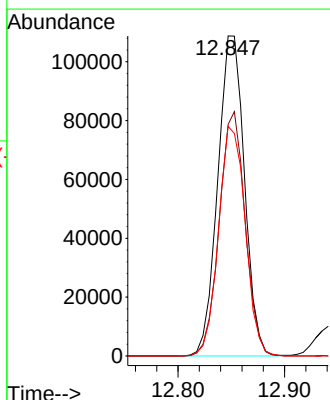
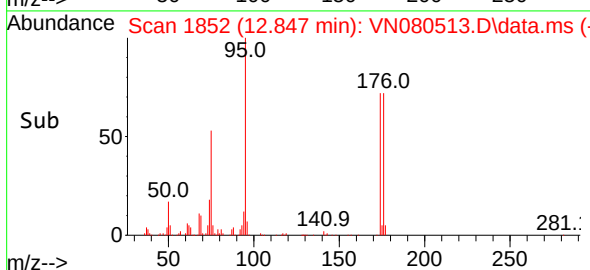
Reviewed By :John Carlone 12/20/2023
Supervised By :Mahesh Dadoda 12/20/2023

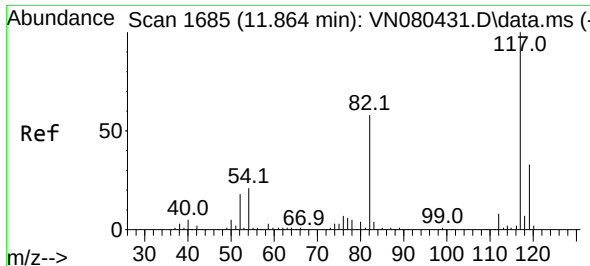


#62
4-Bromofluorobenzene
Concen: 50.626 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN080513.D
Acq: 19 Dec 2023 12:24



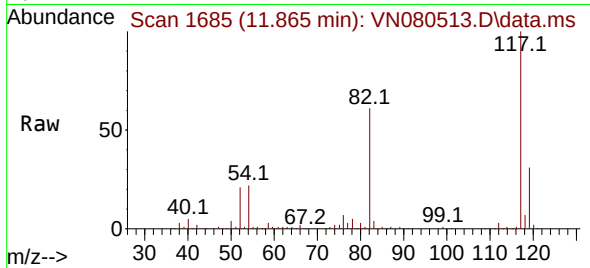
Tgt Ion: 95 Resp: 189151
Ion Ratio Lower Upper
95 100
174 74.0 0.0 143.8
176 71.9 0.0 135.8





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 117
Delta R.T. 0.000 min
Lab File: VN080513.D
Acq: 19 Dec 2023 12:24

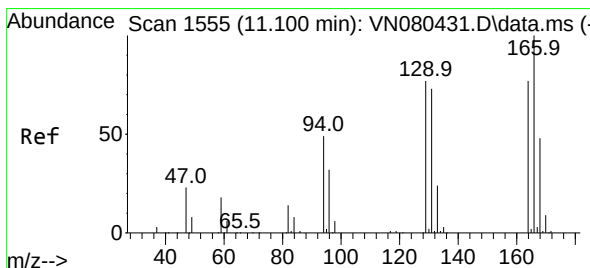
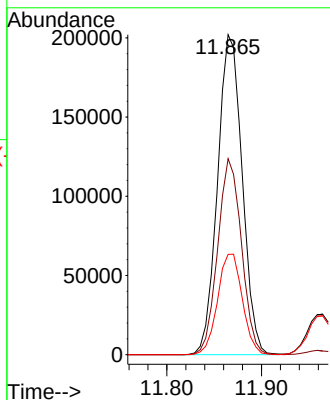
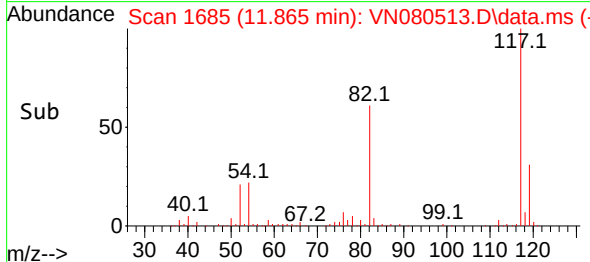
Instrument :
MSVOA_N
ClientSampleId :
VN1219WBSD01



Tgt Ion:117 Resp: 365510
Ion Ratio Lower Upper
117 100
82 61.2 44.0 66.0
119 31.3 25.6 38.4

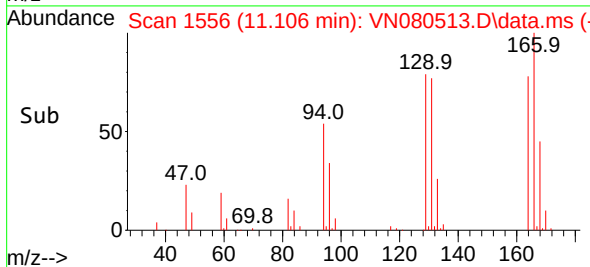
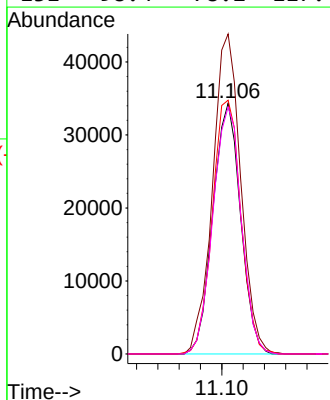
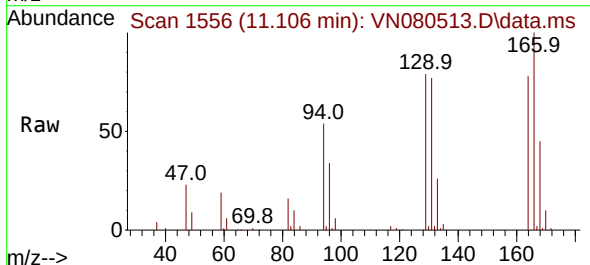
Manual Integrations
APPROVED

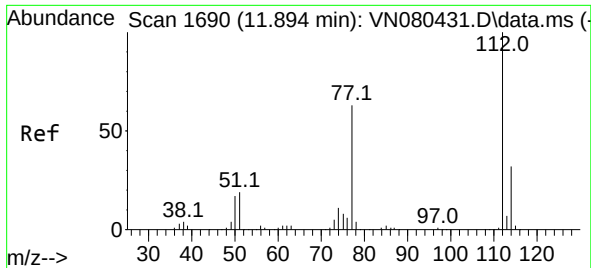
Reviewed By :John Carlone 12/20/2023
Supervised By :Mahesh Dadoda 12/20/2023



#64
Tetrachloroethene
Concen: 21.922 ug/l
RT: 11.106 min Scan# 1556
Delta R.T. 0.006 min
Lab File: VN080513.D
Acq: 19 Dec 2023 12:24

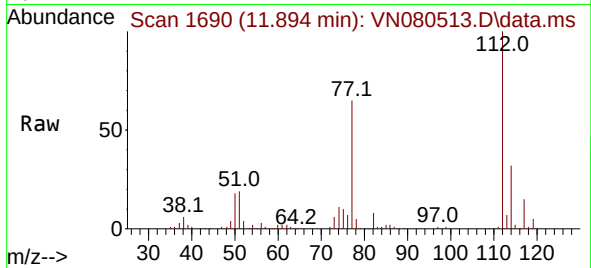
Tgt Ion:164 Resp: 61867
Ion Ratio Lower Upper
164 100
166 127.6 101.4 152.0
129 101.2 82.4 123.6
131 98.4 78.2 117.4





#65
Chlorobenzene
Concen: 22.844 ug/l
RT: 11.894 min Scan# 11894
Delta R.T. 0.000 min
Lab File: VN080513.D
Acq: 19 Dec 2023 12:24

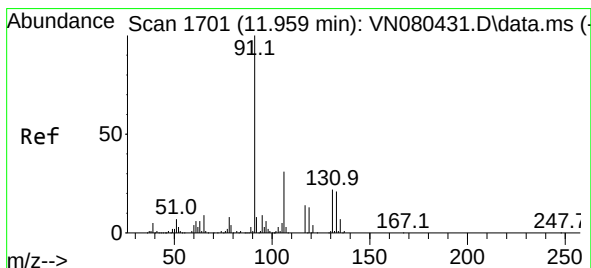
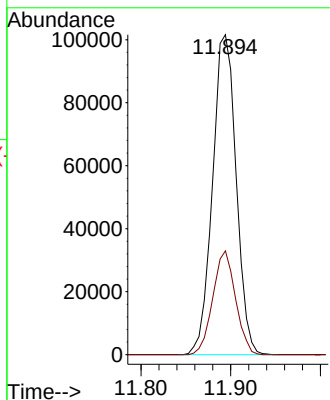
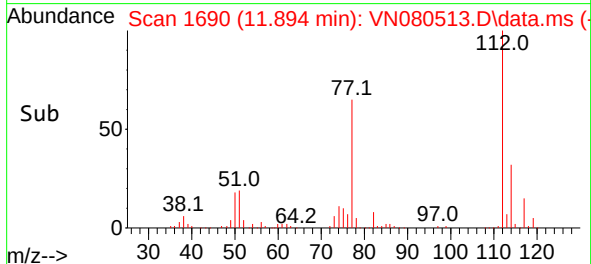
Instrument :
MSVOA_N
ClientSampleId :
VN1219WBSD01



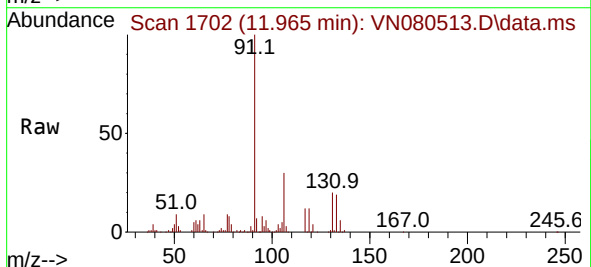
Tgt Ion:112 Resp: 185749
Ion Ratio Lower Upper
112 100
114 32.5 25.0 37.4

Manual Integrations
APPROVED

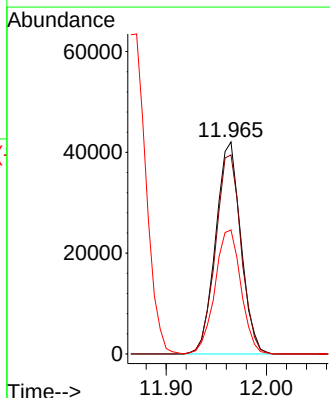
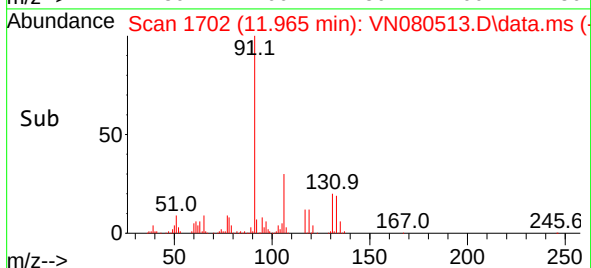
Reviewed By :John Carlone 12/20/2023
Supervised By :Mahesh Dadoda 12/20/2023

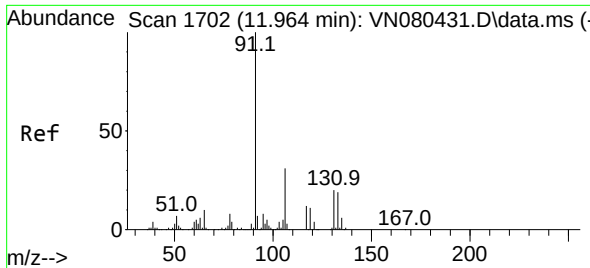


#66
1,1,1,2-Tetrachloroethane
Concen: 22.926 ug/l
RT: 11.965 min Scan# 1702
Delta R.T. 0.006 min
Lab File: VN080513.D
Acq: 19 Dec 2023 12:24



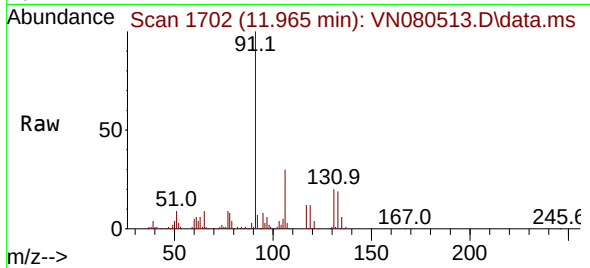
Tgt Ion:131 Resp: 73146
Ion Ratio Lower Upper
131 100
133 95.8 46.4 139.1
119 60.6 34.1 102.2





#67
Ethyl Benzene
Concen: 22.693 ug/l
RT: 11.965 min Scan# 1702
Delta R.T. 0.000 min
Lab File: VN080513.D
Acq: 19 Dec 2023 12:24

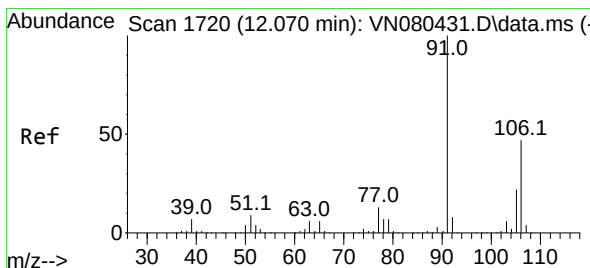
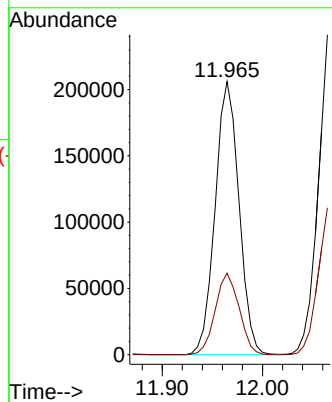
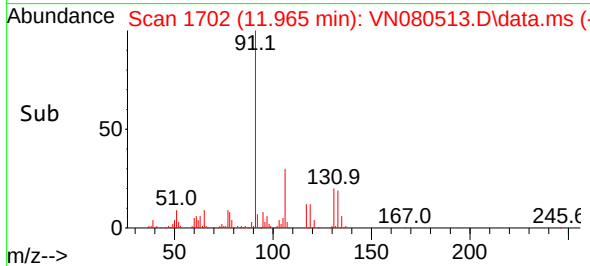
Instrument :
MSVOA_N
ClientSampleId :
VN1219WBSD01



Tgt Ion: 91 Resp: 339279
Ion Ratio Lower Upper
91 100
106 29.8 25.6 38.4

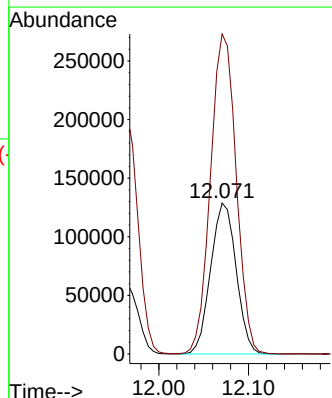
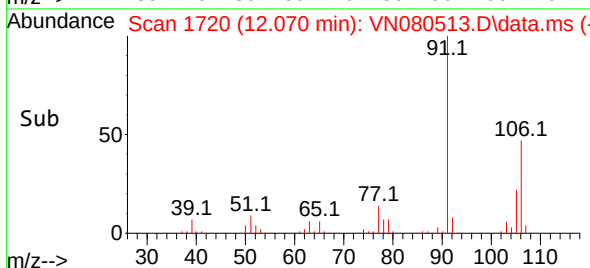
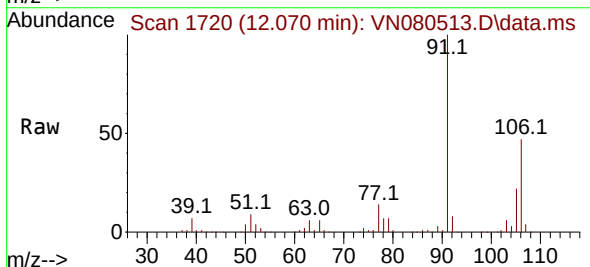
Manual Integrations
APPROVED

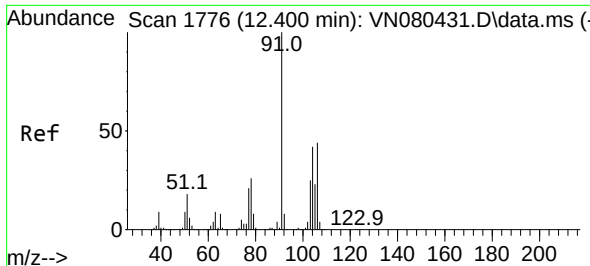
Reviewed By :John Carlone 12/20/2023
Supervised By :Mahesh Dadoda 12/20/2023



#68
m/p-Xylenes
Concen: 46.009 ug/l
RT: 12.070 min Scan# 1720
Delta R.T. 0.000 min
Lab File: VN080513.D
Acq: 19 Dec 2023 12:24

Tgt Ion:106 Resp: 254183
Ion Ratio Lower Upper
106 100
91 213.7 159.6 239.4





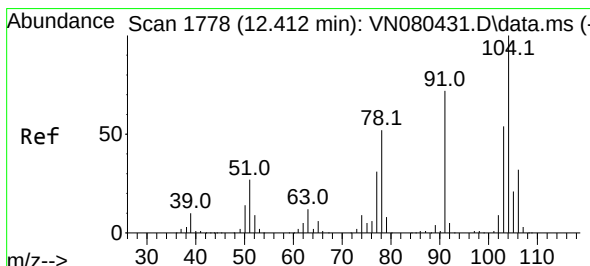
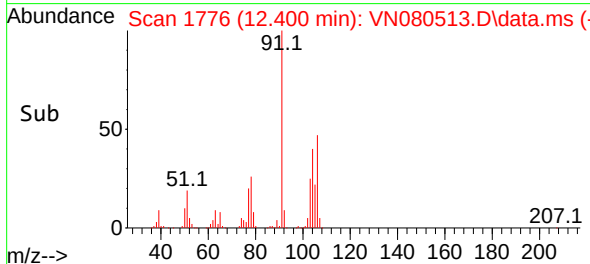
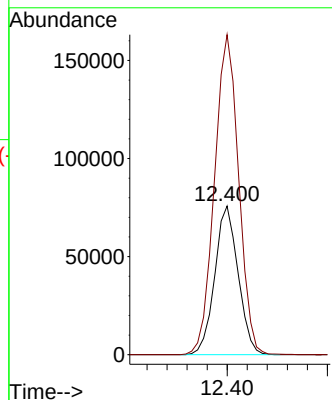
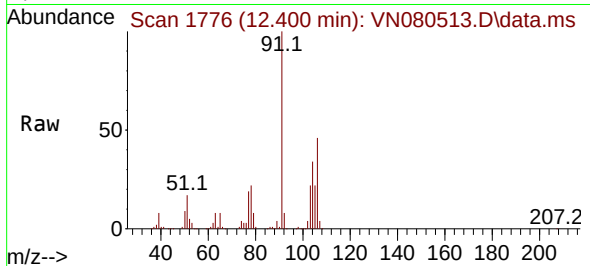
#69
o-Xylene
Concen: 22.644 ug/l
RT: 12.400 min Scan# 1776
Delta R.T. 0.000 min
Lab File: VN080513.D
Acq: 19 Dec 2023 12:24

Instrument :
MSVOA_N
ClientSampleId :
VN1219WBSD01

Tgt Ion:106 Resp: 122362
Ion Ratio Lower Upper
106 100
91 223.0 105.2 315.5

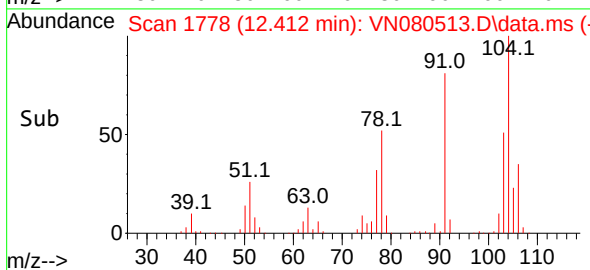
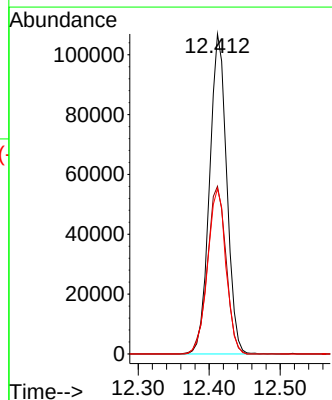
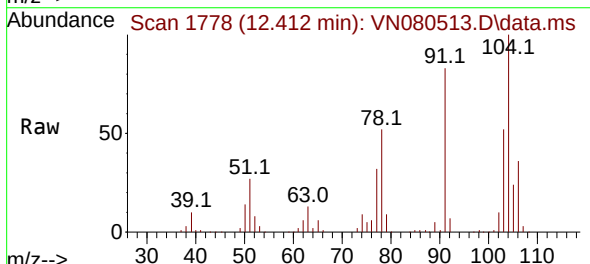
Manual Integrations
APPROVED

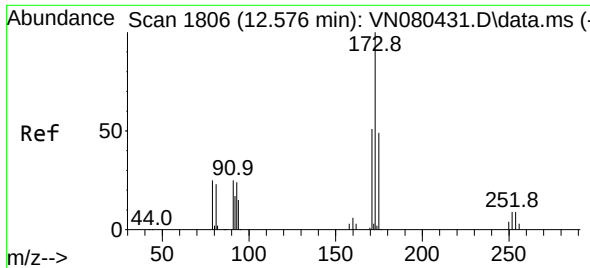
Reviewed By :John Carlone 12/20/2023
Supervised By :Mahesh Dadoda 12/20/2023



#70
Styrene
Concen: 23.114 ug/l
RT: 12.412 min Scan# 1778
Delta R.T. 0.000 min
Lab File: VN080513.D
Acq: 19 Dec 2023 12:24

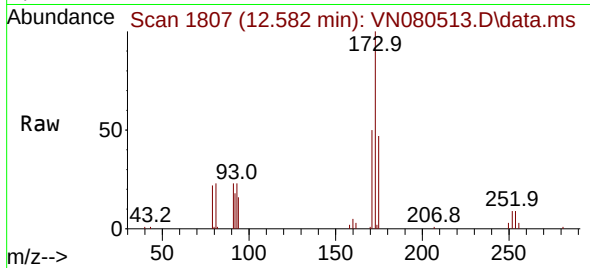
Tgt Ion:104 Resp: 179910
Ion Ratio Lower Upper
104 100
78 56.8 39.5 59.3
103 55.0 43.2 64.8





#71
Bromoform
Concen: 22.059 ug/l
RT: 12.582 min Scan# 1806
Delta R.T. 0.006 min
Lab File: VN080513.D
Acq: 19 Dec 2023 12:24

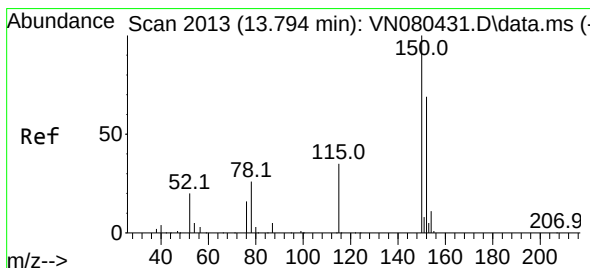
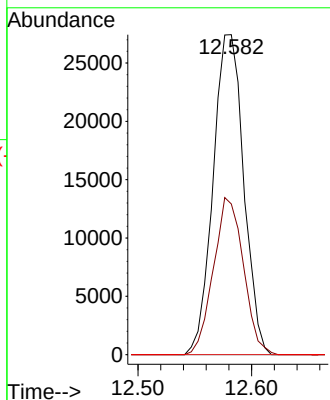
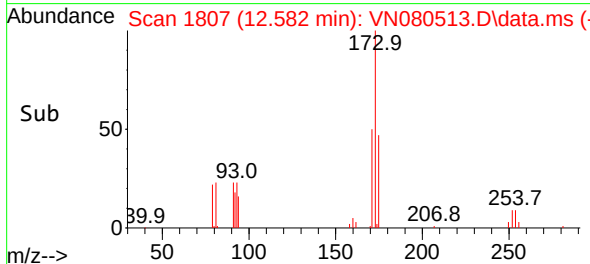
Instrument :
MSVOA_N
ClientSampleId :
VN1219WBSD01



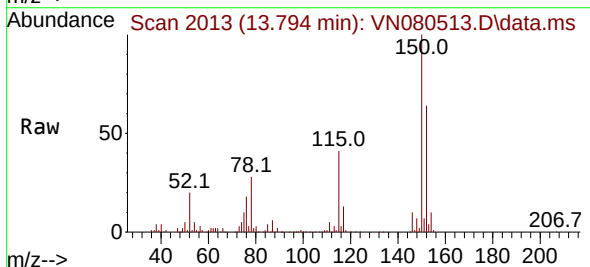
Tgt Ion:173 Resp: 5132
Ion Ratio Lower Upper
173 100
175 48.1 24.3 73.0
254 0.0 0.0 0.0

Manual Integrations
APPROVED

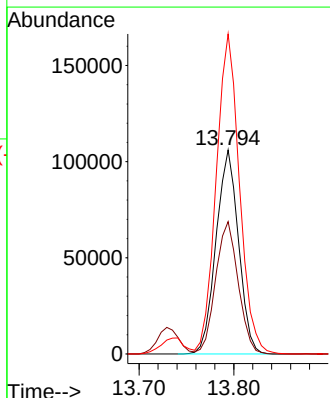
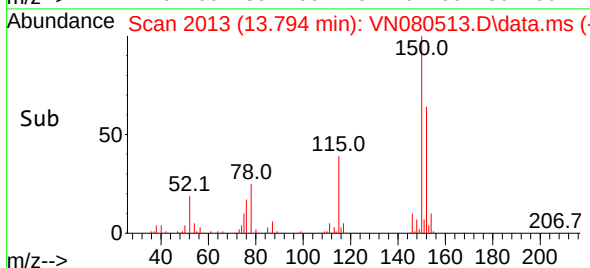
Reviewed By :John Carlone 12/20/2023
Supervised By :Mahesh Dadoda 12/20/2023

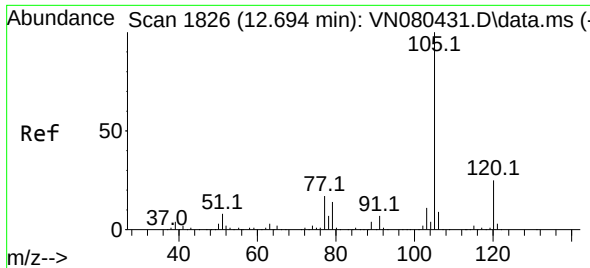


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 2013
Delta R.T. 0.000 min
Lab File: VN080513.D
Acq: 19 Dec 2023 12:24



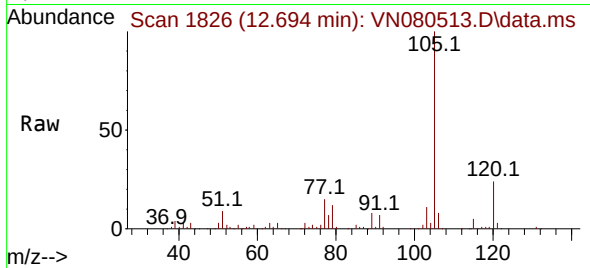
Tgt Ion:152 Resp: 174644
Ion Ratio Lower Upper
152 100
115 65.3 32.3 96.8
150 162.7 0.0 355.8





#73
Isopropylbenzene
Concen: 22.876 ug/l
RT: 12.694 min Scan# 1826
Delta R.T. 0.000 min
Lab File: VN080513.D
Acq: 19 Dec 2023 12:24

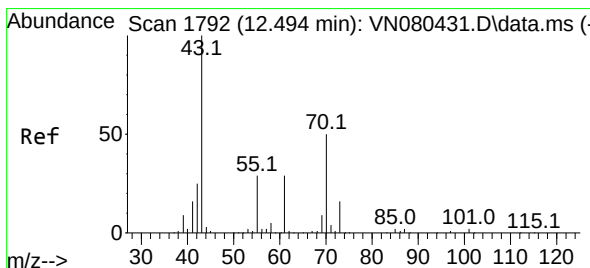
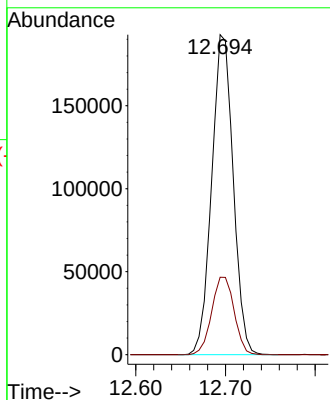
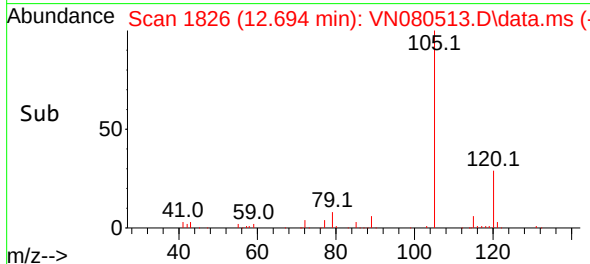
Instrument :
MSVOA_N
ClientSampleId :
VN1219WBSD01



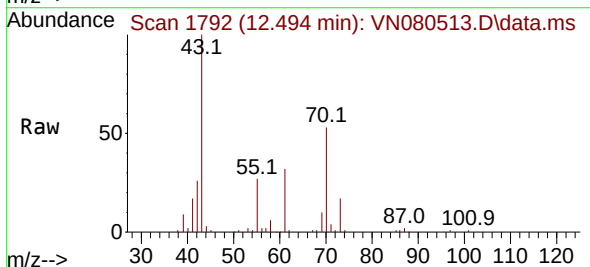
Tgt Ion:105 Resp: 320940
Ion Ratio Lower Upper
105 100
120 25.3 13.1 39.1

Manual Integrations
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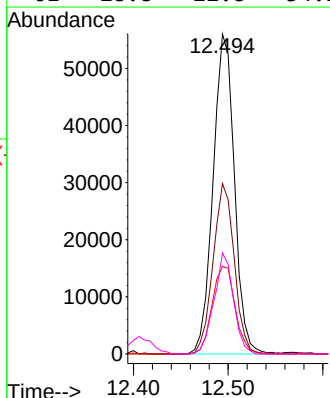
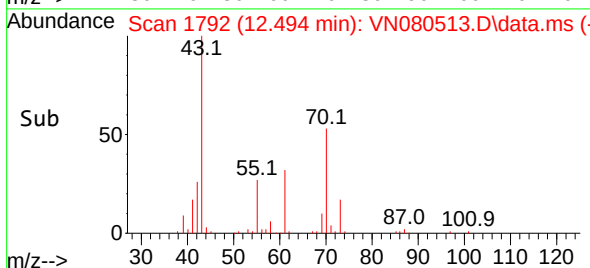
Reviewed By :John Carlone 12/20/2023
Supervised By :Mahesh Dadoda 12/20/2023

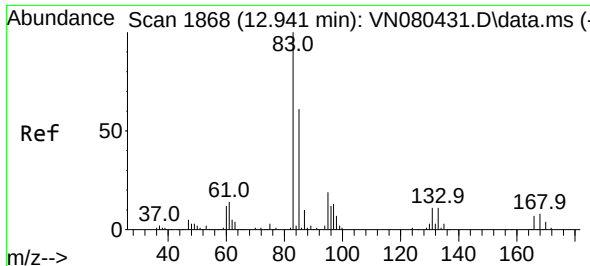


#74
N-ethyl acetate
Concen: 21.362 ug/l
RT: 12.494 min Scan# 1792
Delta R.T. 0.000 min
Lab File: VN080513.D
Acq: 19 Dec 2023 12:24



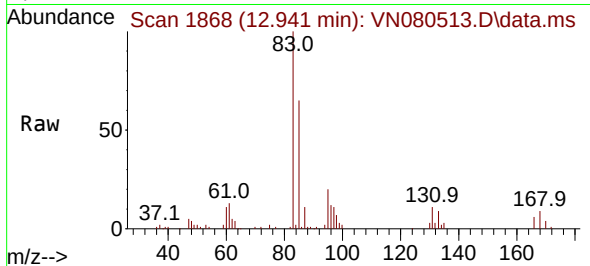
Tgt Ion: 43 Resp: 87518
Ion Ratio Lower Upper
43 100
70 52.9 43.4 65.2
55 29.6 21.4 32.0
61 28.8 22.8 34.2





#75
1,1,2,2-Tetrachloroethane
Concen: 21.823 ug/l
RT: 12.941 min Scan# 1868
Delta R.T. 0.000 min
Lab File: VN080513.D
Acq: 19 Dec 2023 12:24

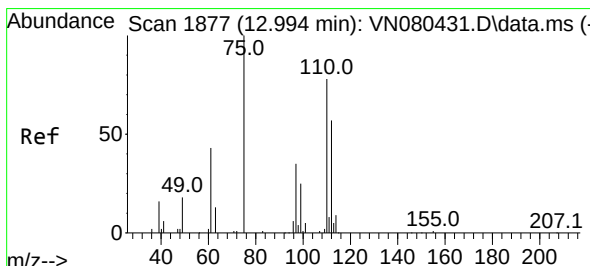
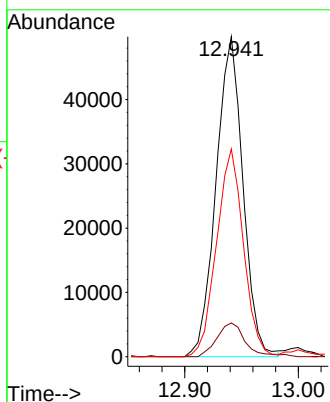
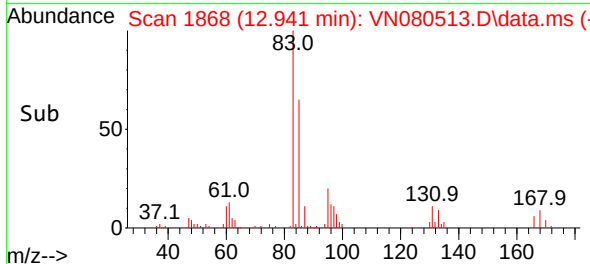
Instrument :
MSVOA_N
ClientSampleId :
VN1219WBSD01



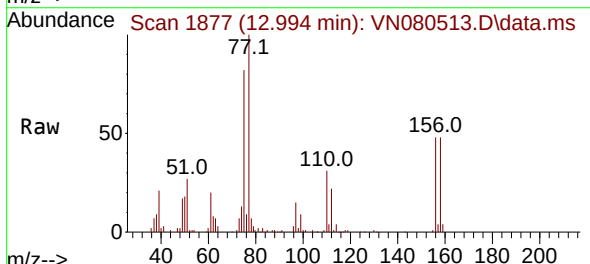
Tgt Ion: 83 Resp: 8204
Ion Ratio Lower Upper
83 100
131 11.1 5.0 15.0
85 64.8 31.9 95.7

Manual Integrations
APPROVED

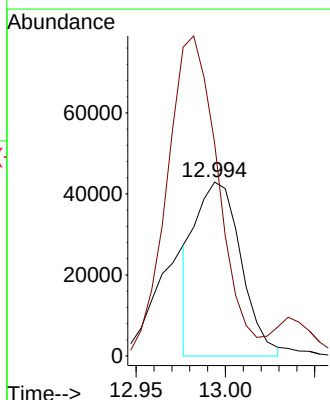
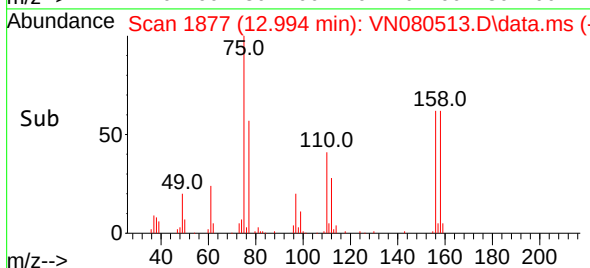
Reviewed By :John Carlone 12/20/2023
Supervised By :Mahesh Dadoda 12/20/2023

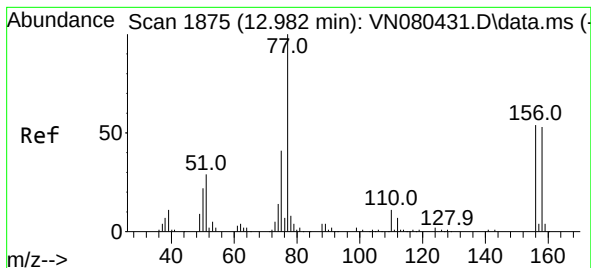


#76
1,2,3-Trichloropropane
Concen: 22.001 ug/l m
RT: 12.994 min Scan# 1877
Delta R.T. 0.000 min
Lab File: VN080513.D
Acq: 19 Dec 2023 12:24



Tgt Ion: 75 Resp: 76653
Ion Ratio Lower Upper
75 100
77 205.3 84.5 253.5





#77

Bromobenzene

Concen: 22.627 ug/l

RT: 12.982 min Scan# 1875

Delta R.T. 0.000 min

Lab File: VN080513.D

Acq: 19 Dec 2023 12:24

Instrument :

MSVOA_N

ClientSampleId :

VN1219WBSD01

Tgt Ion:156 Resp: 78092

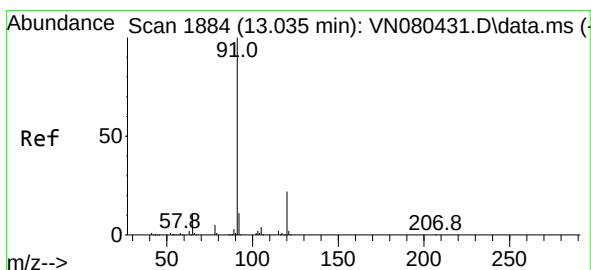
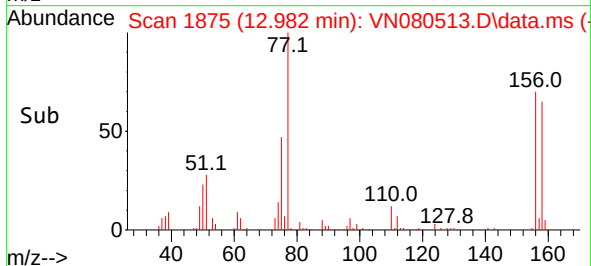
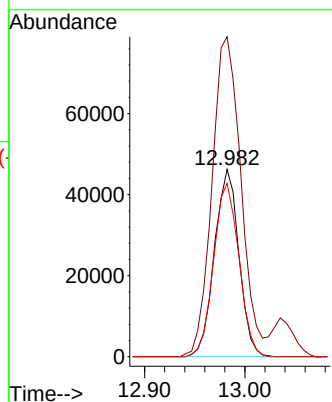
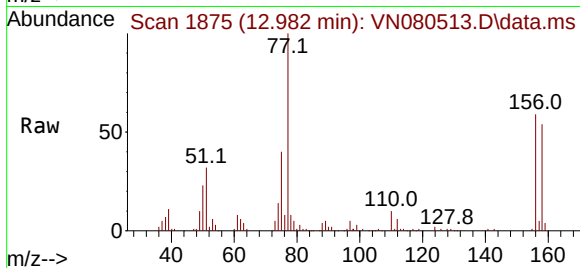
Ion	Ratio	Lower	Upper
156	100		
77	201.5	107.7	323.3
158	95.8	48.4	145.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/20/2023

Supervised By :Mahesh Dadoda 12/20/2023



#78

n-propylbenzene

Concen: 22.870 ug/l

RT: 13.035 min Scan# 1884

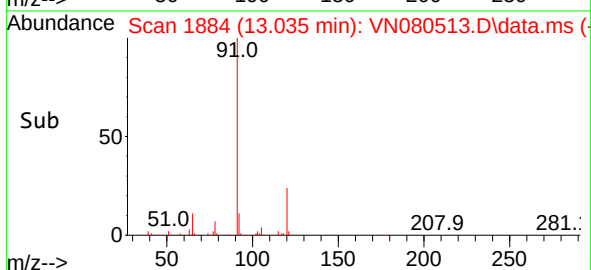
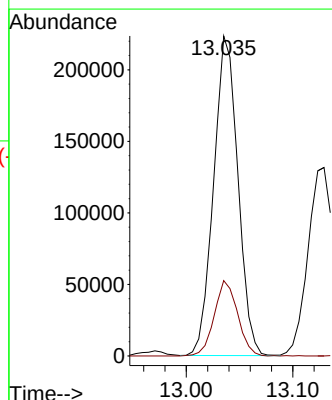
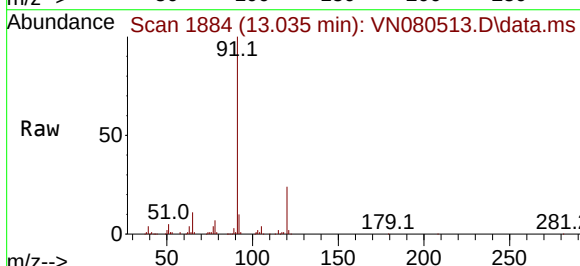
Delta R.T. 0.000 min

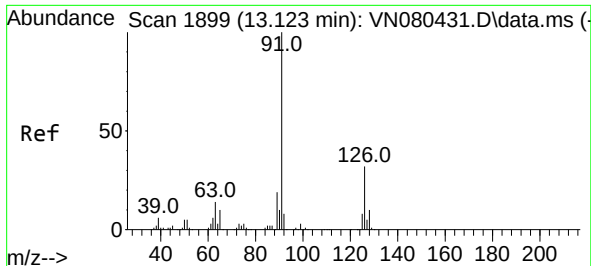
Lab File: VN080513.D

Acq: 19 Dec 2023 12:24

Tgt Ion: 91 Resp: 353760

Ion	Ratio	Lower	Upper
91	100		
120	22.7	11.5	34.4





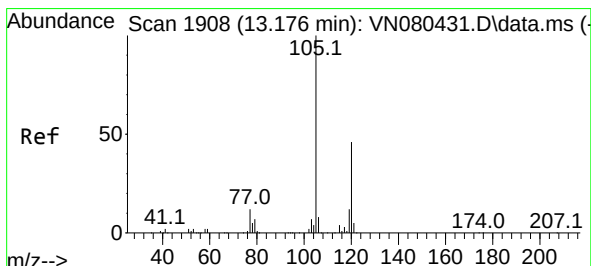
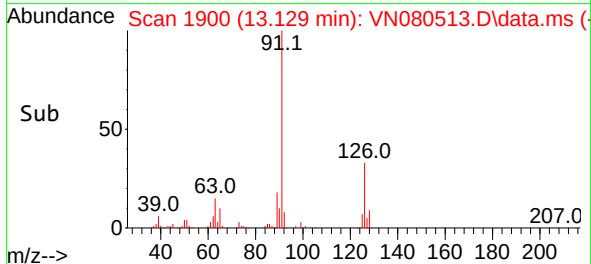
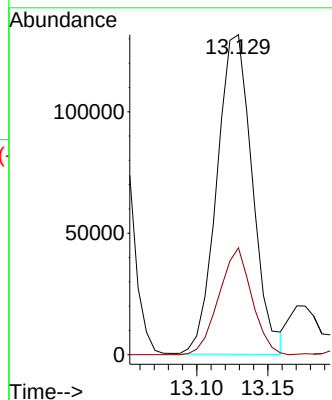
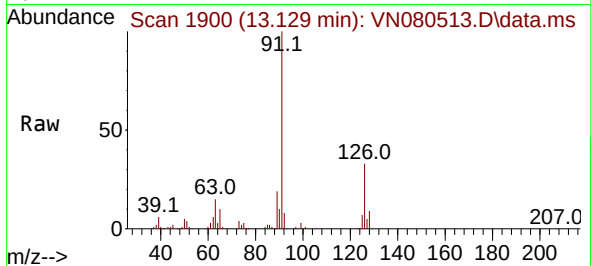
#79
2-Chlorotoluene
Concen: 22.601 ug/l
RT: 13.129 min Scan# 1899
Delta R.T. 0.006 min
Lab File: VN080513.D
Acq: 19 Dec 2023 12:24

Instrument :
MSVOA_N
ClientSampleId :
VN1219WBSD01

Tgt Ion: 91 Resp: 22823
Ion Ratio Lower Upper
91 100
126 31.0 16.3 48.8

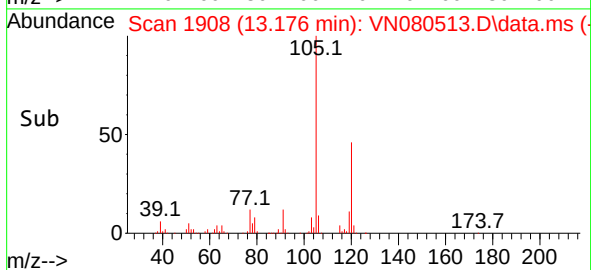
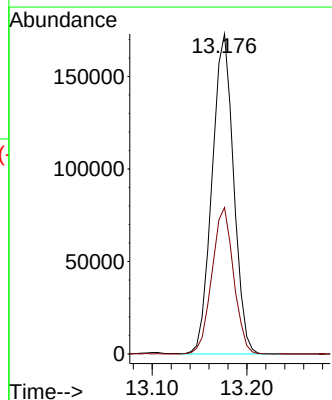
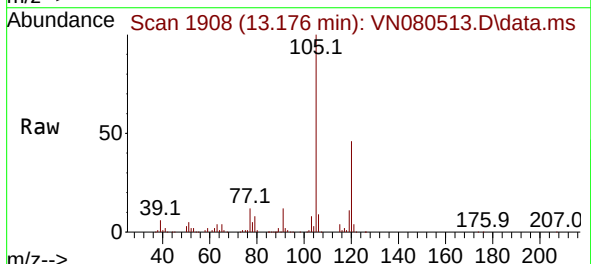
Manual Integrations
APPROVED

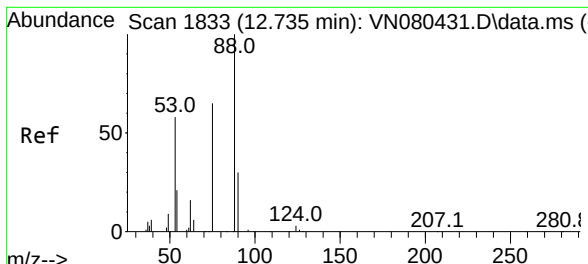
Reviewed By :John Carlone 12/20/2023
Supervised By :Mahesh Dadoda 12/20/2023



#80
1,3,5-Trimethylbenzene
Concen: 22.633 ug/l
RT: 13.176 min Scan# 1908
Delta R.T. 0.000 min
Lab File: VN080513.D
Acq: 19 Dec 2023 12:24

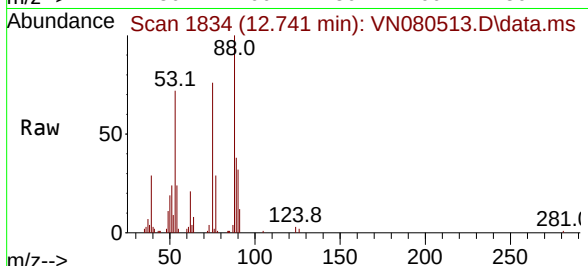
Tgt Ion:105 Resp: 273470
Ion Ratio Lower Upper
105 100
120 46.0 24.1 72.3





#81
 trans-1,4-Dichloro-2-butene
 Concen: 20.780 ug/l
 RT: 12.741 min Scan# 1834
 Delta R.T. 0.006 min
 Lab File: VN080513.D
 Acq: 19 Dec 2023 12:24

Instrument : MSVOA_N
 ClientSampleId : VN1219WBSD01

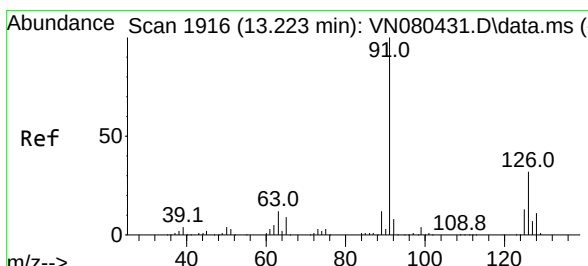
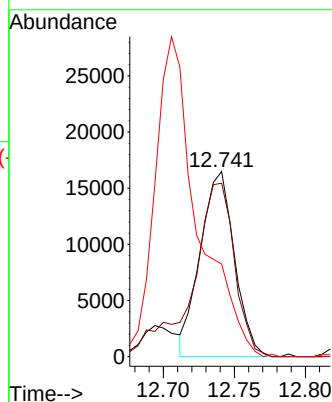
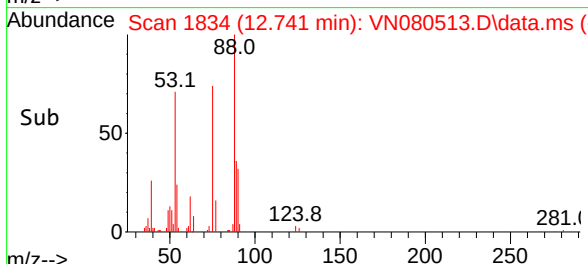


Tgt Ion: 75 Resp: 27574

Ion	Ratio	Lower	Upper
75	100		
53	116.5	67.4	101.2
89	0.0	38.8	58.2

Manual Integrations
 APPROVED

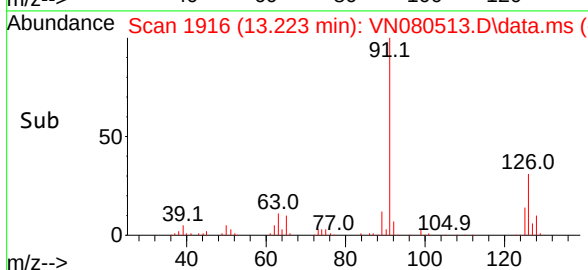
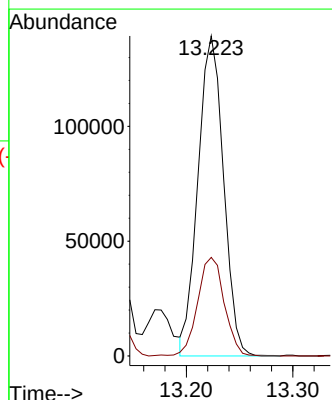
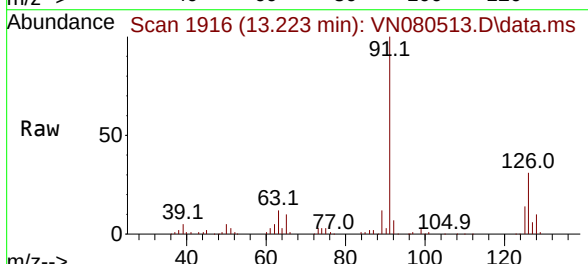
Reviewed By :John Carlone 12/20/2023
 Supervised By :Mahesh Dadoda 12/20/2023

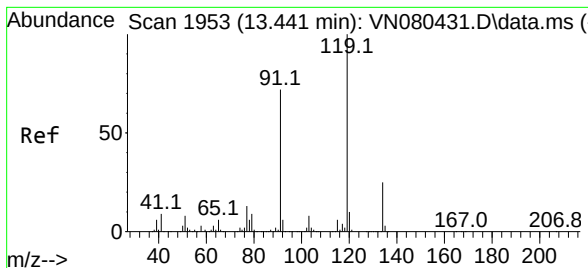


#82
 4-Chlorotoluene
 Concen: 22.402 ug/l
 RT: 13.223 min Scan# 1916
 Delta R.T. 0.000 min
 Lab File: VN080513.D
 Acq: 19 Dec 2023 12:24

Tgt Ion: 91 Resp: 232537

Ion	Ratio	Lower	Upper
91	100		
126	32.1	16.7	50.0





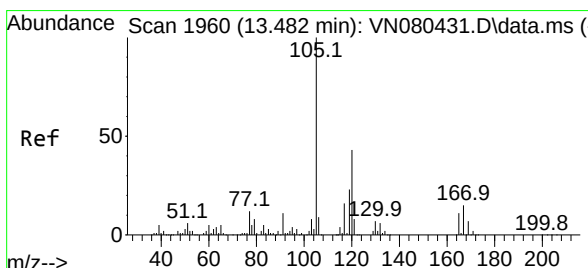
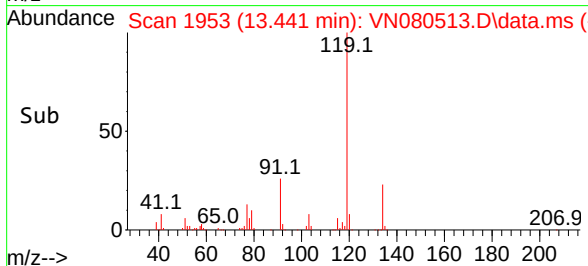
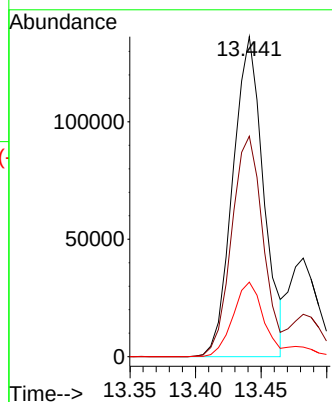
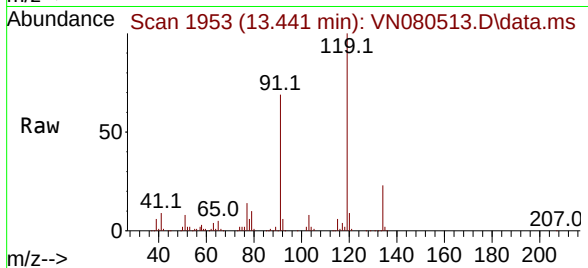
#83
tert-Butylbenzene
Concen: 22.509 ug/l
RT: 13.441 min Scan# 1953
Delta R.T. 0.000 min
Lab File: VN080513.D
Acq: 19 Dec 2023 12:24

Instrument :
MSVOA_N
ClientSampleId :
VN1219WBSD01

Tgt Ion:119 Resp: 22274
Ion Ratio Lower Upper
119 100
91 72.2 33.9 101.7
134 23.5 13.2 39.6

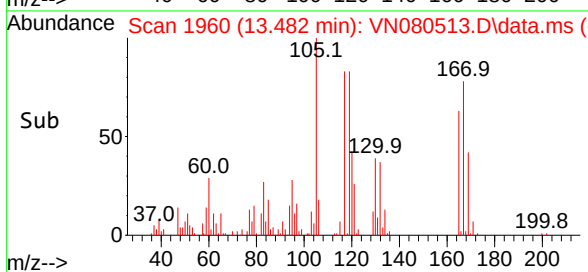
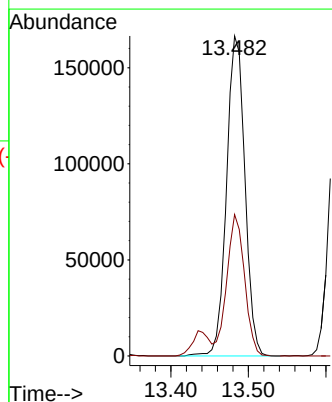
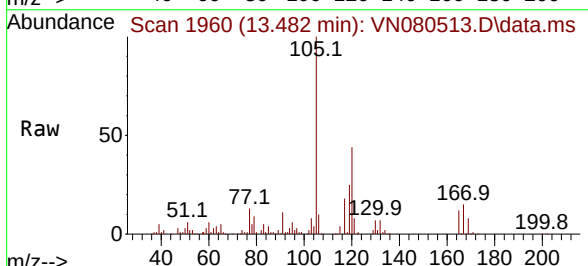
Manual Integrations
APPROVED

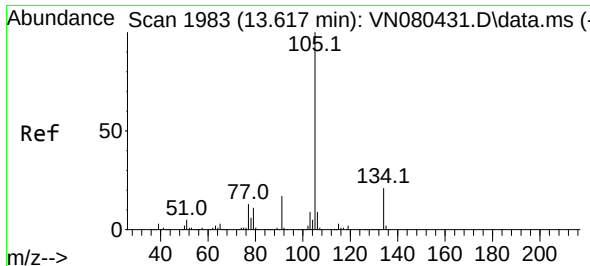
Reviewed By :John Carlone 12/20/2023
Supervised By :Mahesh Dadoda 12/20/2023



#84
1,2,4-Trimethylbenzene
Concen: 22.826 ug/l
RT: 13.482 min Scan# 1960
Delta R.T. 0.000 min
Lab File: VN080513.D
Acq: 19 Dec 2023 12:24

Tgt Ion:105 Resp: 274379
Ion Ratio Lower Upper
105 100
120 43.0 22.0 66.0





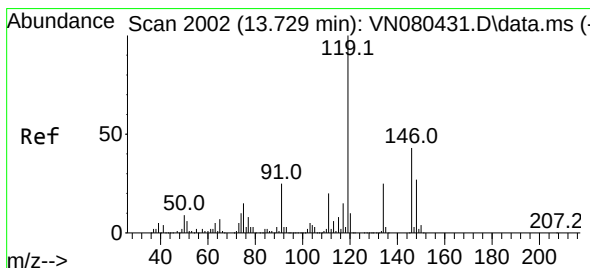
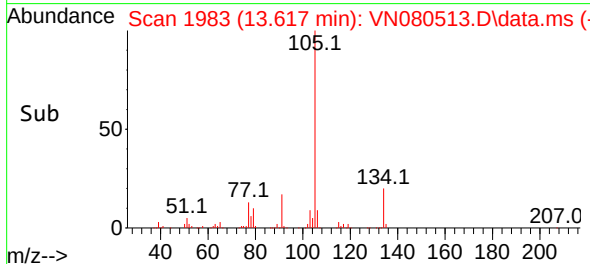
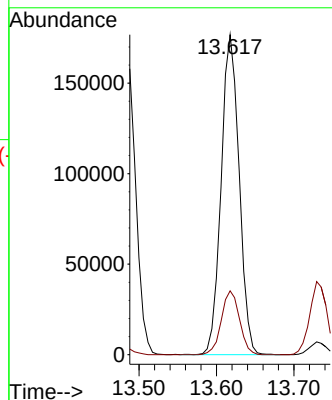
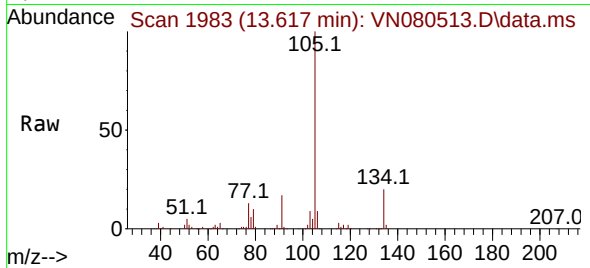
#85
 sec-Butylbenzene
 Concen: 22.524 ug/l
 RT: 13.617 min Scan# 1983
 Delta R.T. 0.000 min
 Lab File: VN080513.D
 Acq: 19 Dec 2023 12:24

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1219WBSD01

Tgt Ion:105 Resp: 28512
 Ion Ratio Lower Upper
 105 100
 134 20.1 9.8 29.3

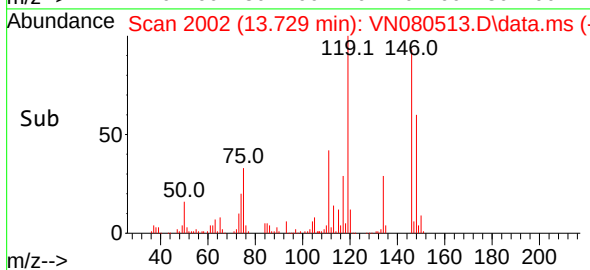
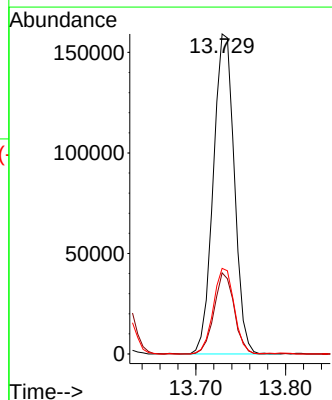
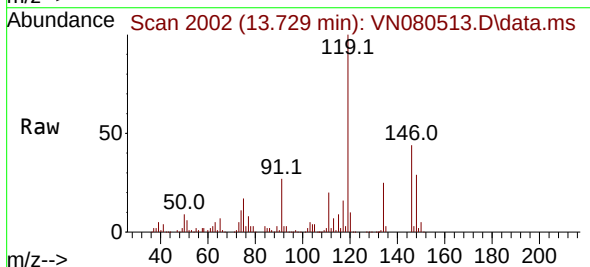
Manual Integrations
 APPROVED

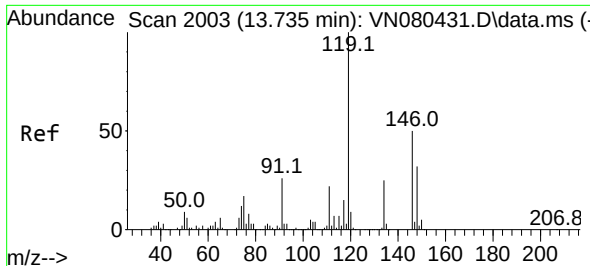
Reviewed By :John Carlone 12/20/2023
 Supervised By :Mahesh Dadoda 12/20/2023



#86
 p-Isopropyltoluene
 Concen: 22.639 ug/l
 RT: 13.729 min Scan# 2002
 Delta R.T. 0.000 min
 Lab File: VN080513.D
 Acq: 19 Dec 2023 12:24

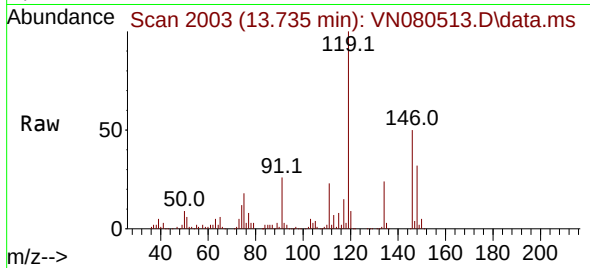
Tgt Ion:119 Resp: 258758
 Ion Ratio Lower Upper
 119 100
 134 24.2 12.6 37.8
 91 26.6 12.4 37.2





#87
1,3-Dichlorobenzene
Concen: 21.915 ug/l
RT: 13.735 min Scan# 2003
Delta R.T. 0.000 min
Lab File: VN080513.D
Acq: 19 Dec 2023 12:24

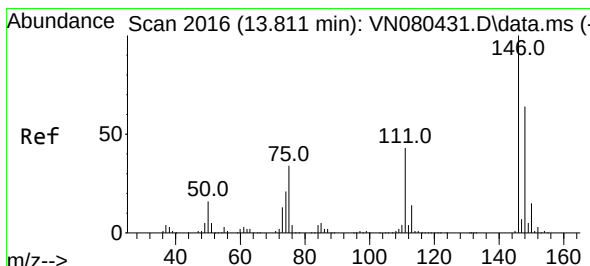
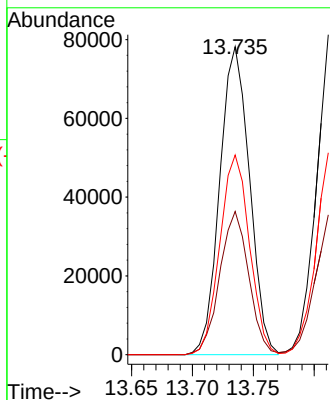
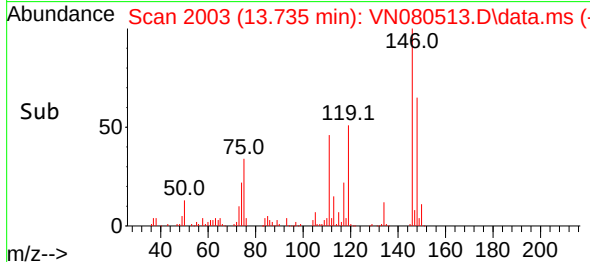
Instrument :
MSVOA_N
ClientSampleId :
VN1219WBSD01



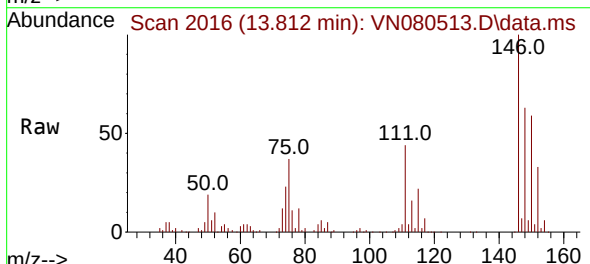
Tgt Ion:146 Resp: 133260
Ion Ratio Lower Upper
146 100
111 45.4 22.1 66.3
148 64.5 32.0 96.0

Manual Integrations
APPROVED

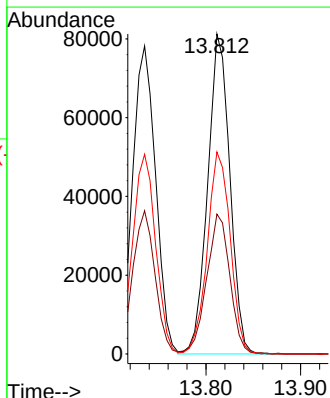
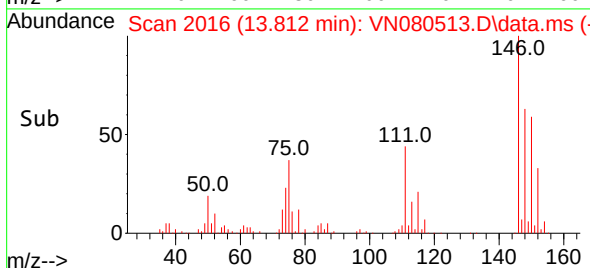
Reviewed By :John Carlone 12/20/2023
Supervised By :Mahesh Dadoda 12/20/2023

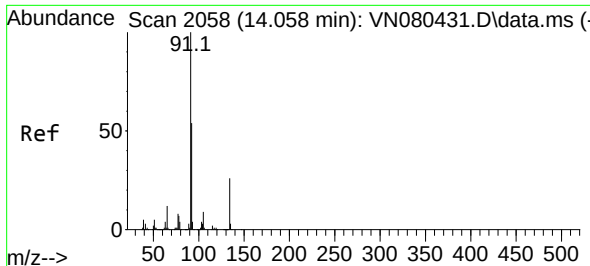


#88
1,4-Dichlorobenzene
Concen: 21.601 ug/l
RT: 13.812 min Scan# 2016
Delta R.T. 0.000 min
Lab File: VN080513.D
Acq: 19 Dec 2023 12:24



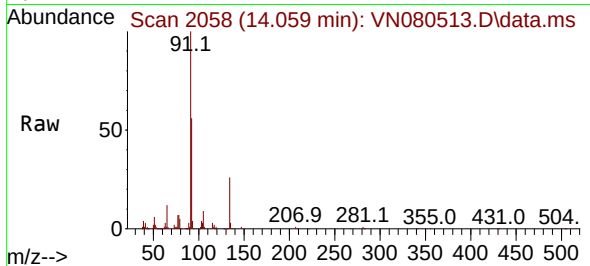
Tgt Ion:146 Resp: 132592
Ion Ratio Lower Upper
146 100
111 45.7 20.6 61.8
148 65.3 31.6 94.8





#89
n-Butylbenzene
Concen: 22.278 ug/l
RT: 14.059 min Scan# 2058
Delta R.T. 0.000 min
Lab File: VN080513.D
Acq: 19 Dec 2023 12:24

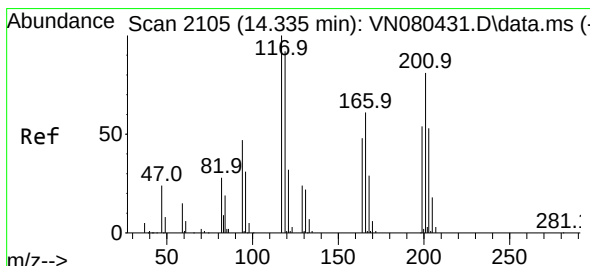
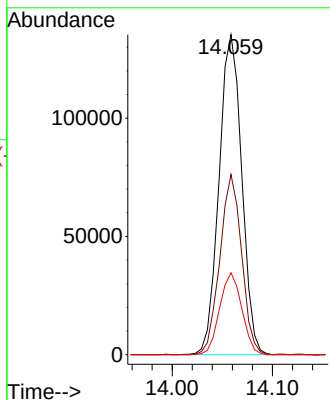
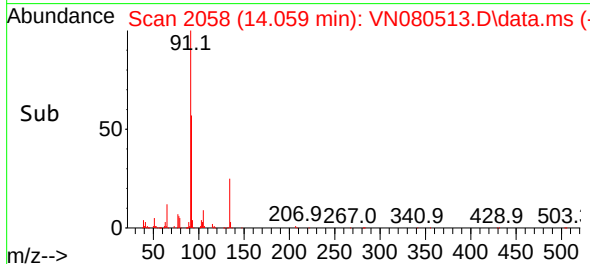
Instrument :
MSVOA_N
ClientSampleId :
VN1219WBSD01



Tgt Ion: 91 Resp: 21264
Ion Ratio Lower Upper
91 100
92 53.8 26.4 79.0
134 24.9 12.6 37.6

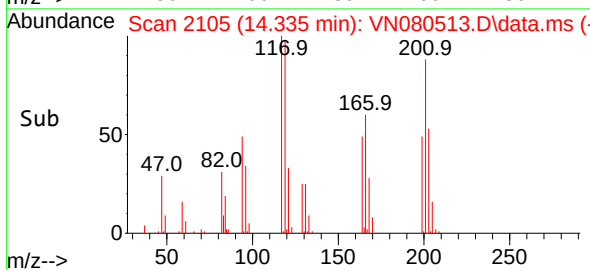
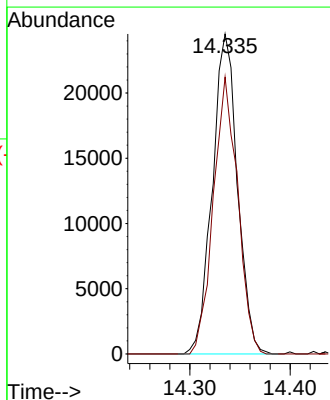
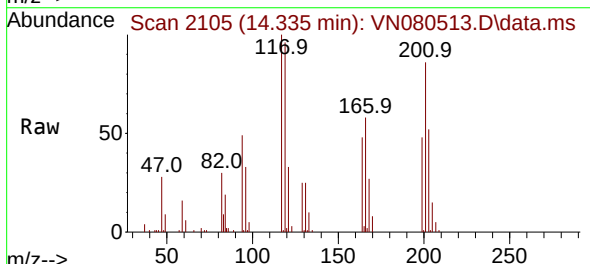
Manual Integrations
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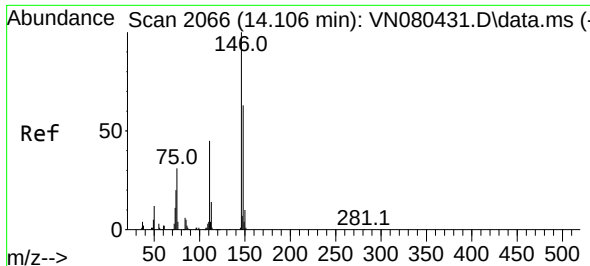
Reviewed By :John Carlone 12/20/2023
Supervised By :Mahesh Dadoda 12/20/2023



#90
Hexachloroethane
Concen: 23.491 ug/l
RT: 14.335 min Scan# 2105
Delta R.T. 0.000 min
Lab File: VN080513.D
Acq: 19 Dec 2023 12:24

Tgt Ion:117 Resp: 42641
Ion Ratio Lower Upper
117 100
201 84.0 29.3 88.0





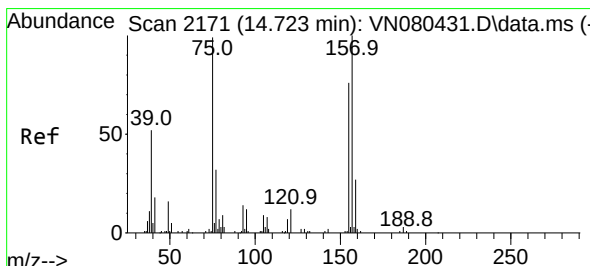
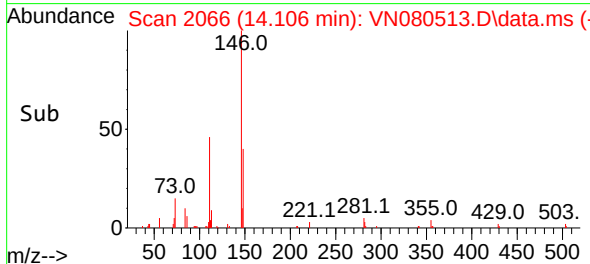
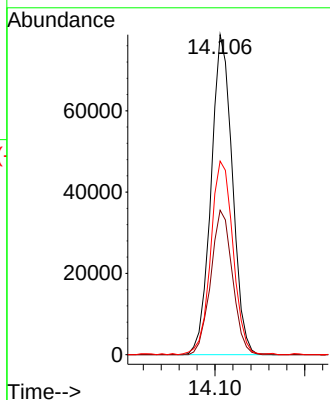
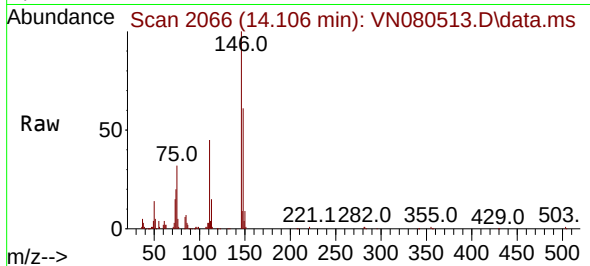
#91
1,2-Dichlorobenzene
Concen: 22.456 ug/l
RT: 14.106 min Scan# 2066
Delta R.T. 0.000 min
Lab File: VN080513.D
Acq: 19 Dec 2023 12:24

Instrument :
MSVOA_N
ClientSampleId :
VN1219WBSD01

Tgt Ion:146 Resp: 12966
Ion Ratio Lower Upper
146 100
111 45.9 22.0 66.0
148 63.7 31.8 95.3

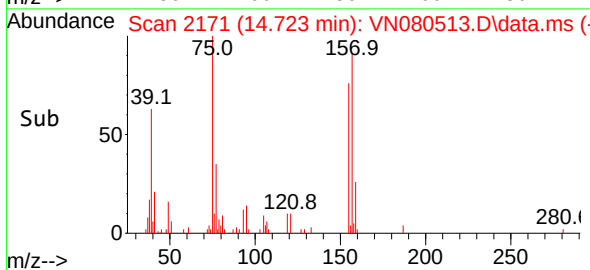
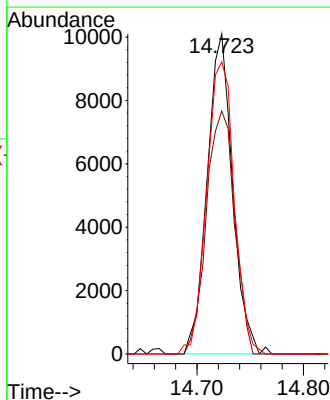
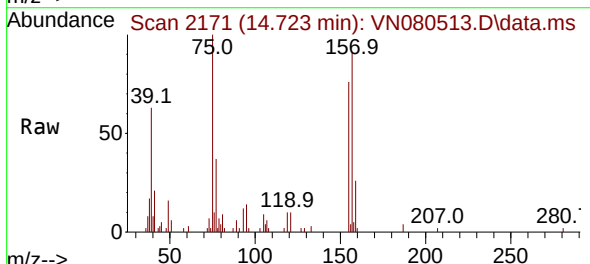
Manual Integrations
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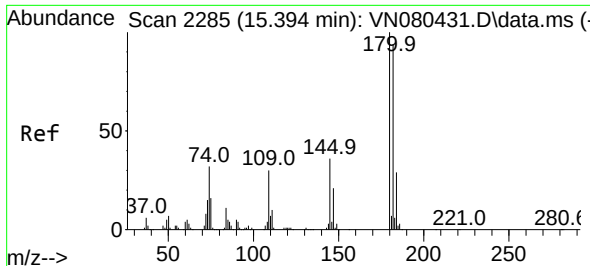
Reviewed By :John Carlone 12/20/2023
Supervised By :Mahesh Dadoda 12/20/2023



#92
1,2-Dibromo-3-Chloropropane
Concen: 21.166 ug/l
RT: 14.723 min Scan# 2171
Delta R.T. 0.000 min
Lab File: VN080513.D
Acq: 19 Dec 2023 12:24

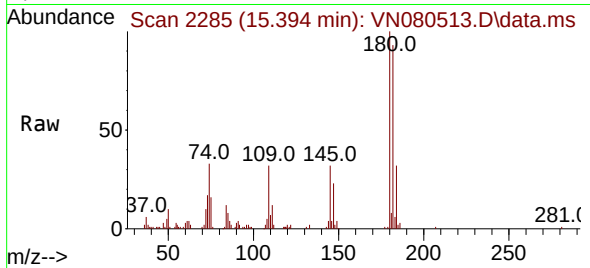
Tgt Ion: 75 Resp: 16737
Ion Ratio Lower Upper
75 100
155 84.2 39.1 117.2
157 98.7 50.3 150.9





#93
1,2,4-Trichlorobenzene
Concen: 23.370 ug/l
RT: 15.394 min Scan# 21
Delta R.T. 0.000 min
Lab File: VN080513.D
Acq: 19 Dec 2023 12:24

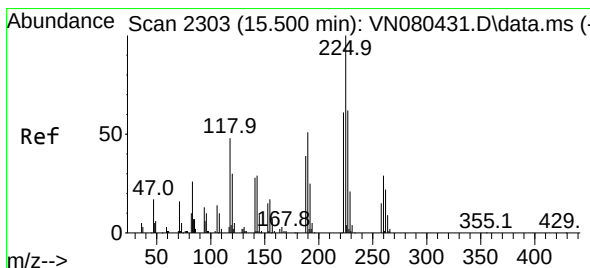
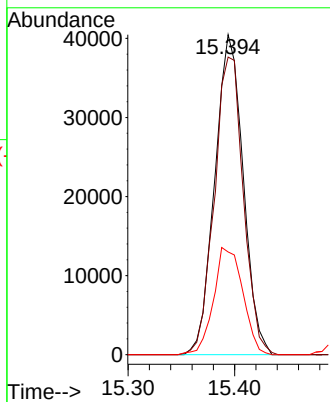
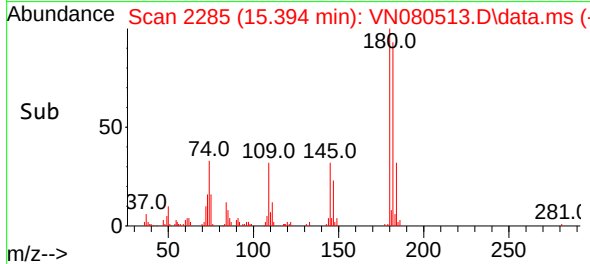
Instrument :
MSVOA_N
ClientSampleId :
VN1219WBSD01



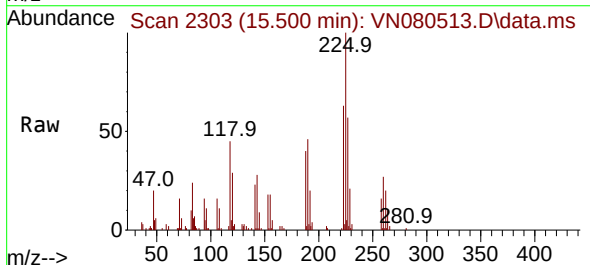
Tgt Ion:180 Resp: 7492
Ion Ratio Lower Upper
180 100
182 94.9 46.1 138.2
145 34.5 16.6 49.8

Manual Integrations
APPROVED

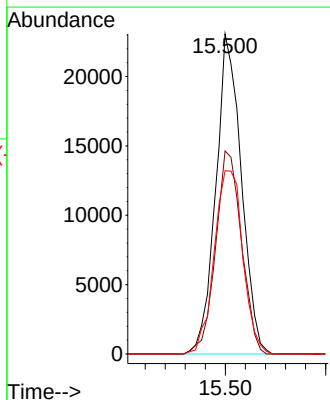
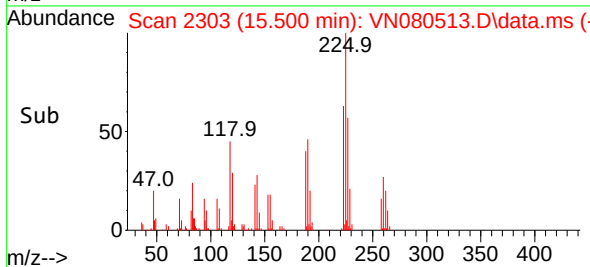
Reviewed By :John Carlone 12/20/2023
Supervised By :Mahesh Dadoda 12/20/2023

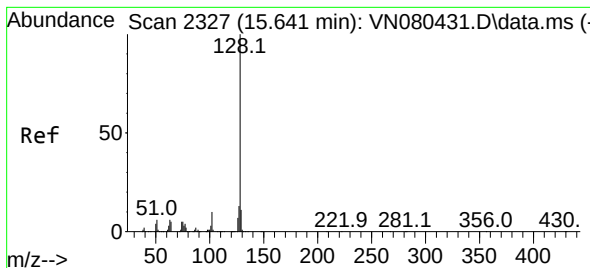


#94
Hexachlorobutadiene
Concen: 22.265 ug/l
RT: 15.500 min Scan# 2303
Delta R.T. 0.000 min
Lab File: VN080513.D
Acq: 19 Dec 2023 12:24



Tgt Ion:225 Resp: 40636
Ion Ratio Lower Upper
225 100
223 64.4 31.3 93.8
227 64.4 31.9 95.9





#95

Naphthalene

Concen: 22.812 ug/l

RT: 15.641 min Scan# 2327

Delta R.T. 0.000 min

Lab File: VN080513.D

Acq: 19 Dec 2023 12:24

Instrument :

MSVOA_N

ClientSampleId :

VN1219WBSD01

Tgt Ion:128 Resp: 22208

Ion Ratio Lower Upper

128 100

127 13.1 10.0 15.0

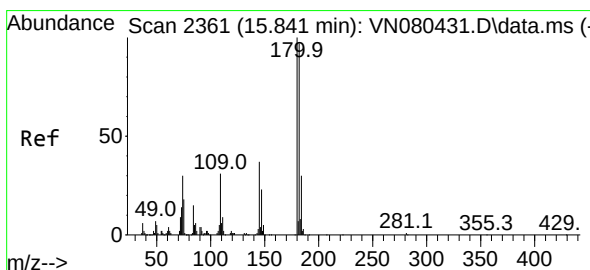
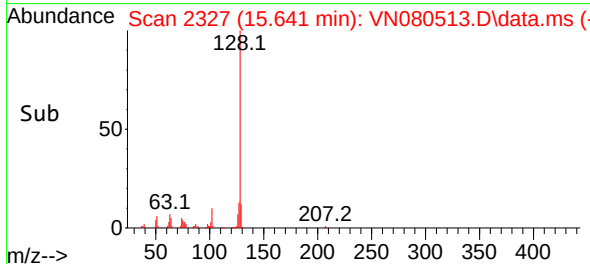
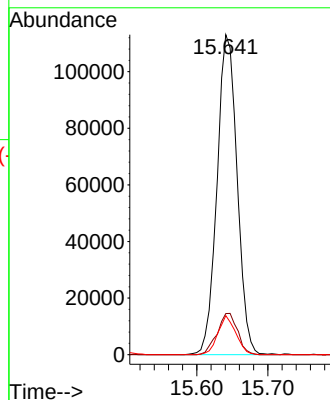
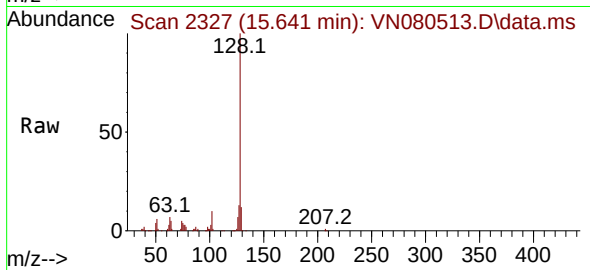
129 10.9 8.7 13.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/20/2023

Supervised By :Mahesh Dadoda 12/20/2023



#96

1,2,3-Trichlorobenzene

Concen: 22.569 ug/l

RT: 15.841 min Scan# 2361

Delta R.T. 0.000 min

Lab File: VN080513.D

Acq: 19 Dec 2023 12:24

Tgt Ion:180 Resp: 69821

Ion Ratio Lower Upper

180 100

182 94.0 46.2 138.6

145 35.9 17.5 52.6

