

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050823\
 Data File : VN077608.D
 Acq On : 08 May 2023 10:16
 Operator : JC\MD
 Sample : VSTDICC005
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC005

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/09/2023

Supervised By :Mahesh Dadoda 05/09/2023

Quant Time: May 08 12:56:08 2023

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N050823W.M

Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS

QLast Update : Mon May 08 12:44:57 2023

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	7.813	128	118644	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.101	114	713802	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.866	117	649720	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.583	65	262481	30.764	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 102.533%			
60) 4-Bromofluorobenzene	12.848	95	293559	28.415	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 94.733%			
63) Toluene-d8	10.571	98	910171	30.330	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 101.100%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.137	85	38127	4.895	ug/l	94
3) Chloromethane	2.372	50	30939	5.226	ug/l	94
4) Vinyl Chloride	2.519	62	50658	5.561	ug/l	92
5) Bromomethane	2.966	94	32049	5.278	ug/l	96
6) Chloroethane	3.131	64	34331	5.769	ug/l	89
7) Trichlorofluoromethane	3.507	101	61801	4.989	ug/l	94
8) Diethyl Ether	3.966	74	20460	5.248	ug/l	100
9) 1,1,2-Trichlorotrifluo...	4.378	101	36608	5.478	ug/l	84
10) 1,1-Dichloroethene	4.348	96	32772	5.185	ug/l	88
11) Methyl Iodide	4.601	142	51302	5.218	ug/l	96
12) Methyl Acetate	5.031	43	39466	5.165	ug/l #	85
13) Acrolein	4.190	56	25159	26.879	ug/l	98
14) Acrylonitrile	5.725	53	56831	24.450	ug/l #	53
15) Acetone	4.442	58	20242m	28.611	ug/l	
16) Carbon Disulfide	4.713	76	80057	5.272	ug/l #	89
17) Allyl chloride	5.025	41	36541m	5.601	ug/l	
18) Methylene Chloride	5.278	84	39759	5.175	ug/l #	80
19) trans-1,2-Dichloroethene	5.795	96	38665	5.437	ug/l	91
20) Diisopropyl ether	6.678	45	82840	5.191	ug/l	96
21) 1,1-Dichloroethane	6.566	63	59067	5.046	ug/l	96
22) cis-1,2-Dichloroethene	7.489	96	43110	5.031	ug/l	94
23) tert-Butyl Alcohol	5.537	59	19452	21.338	ug/l #	100
24) Methyl tert-Butyl Ether	5.801	73	107814	5.039	ug/l #	83
25) Chloroform	7.972	83	71510	5.125	ug/l	95
26) Cyclohexane	8.260	56	50898	5.296	ug/l #	94
29) 1,1-Dichloropropene	8.378	75	50745	4.938	ug/l	97
30) 2-Butanone	7.489	43	65547	23.931	ug/l #	93
31) 2,2-Dichloropropane	7.495	77	60774	5.076	ug/l	100
32) 1,1,1-Trichloroethane	8.178	97	67947	5.109	ug/l #	84
33) Carbon Tetrachloride	8.372	117	55488	4.934	ug/l	95
34) Benzene	8.607	78	159771	5.149	ug/l #	86
35) Methacrylonitrile	7.783	41	15365	4.942	ug/l	87
36) 1,2-Dichloroethane	8.678	62	53437	5.166	ug/l #	93
37) Trichloroethene	9.354	130	41570	5.183	ug/l	91
38) Methylcyclohexane	9.601	83	67155	5.076	ug/l	97
39) 1,2-Dichloropropane	9.624	63	37963	5.285	ug/l	92
40) Dibromomethane	9.713	93	29292	5.172	ug/l	97
41) Bromodichloromethane	9.889	83	57099	5.007	ug/l	92
42) Vinyl Acetate	6.613	43	256303m	27.850	ug/l	

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050823\
 Data File : VN077608.D
 Acq On : 08 May 2023 10:16
 Operator : JC\MD
 Sample : VSTDICC005
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC005

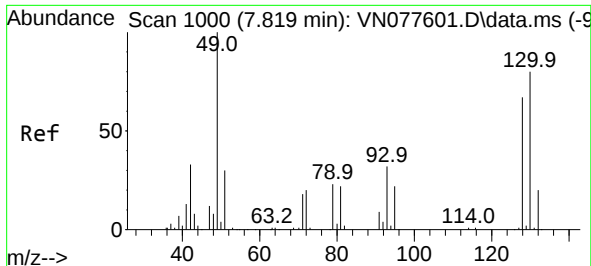
Manual Integrations
 APPROVED

Reviewed By : John Carlone 05/09/2023
 Supervised By : Mahesh Dadoda 05/09/2023

Quant Time: May 08 12:56:08 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N050823W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Mon May 08 12:44:57 2023
 Response via : Initial Calibration

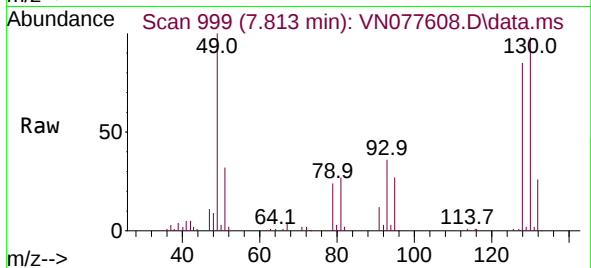
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	7.566	43	30333	5.161	ug/l #	85
44) Isopropyl Acetate	8.695	43	53913	5.001	ug/l #	89
45) 1,4-Dioxane	9.701	88	12170	90.837	ug/l	92
46) Methyl methacrylate	9.683	41	24189	4.997	ug/l	83
47) n-amyl Acetate	12.495	43	42765	4.607	ug/l	93
48) t-1,3-Dichloropropene	10.836	75	52646	4.579	ug/l	97
49) cis-1,3-Dichloropropene	10.313	75	59862	4.750	ug/l	95
50) 1,1,2-Trichloroethane	11.019	97	40550	4.972	ug/l	94
51) Ethyl methacrylate	10.877	69	50693	4.815	ug/l	89
52) 1,3-Dichloropropane	11.166	76	67439	5.114	ug/l	97
53) Dibromochloromethane	11.360	129	39865	4.698	ug/l	98
54) 1,2-Dibromoethane	11.466	107	39423	4.866	ug/l	95
55) 2-Chloroethyl vinyl ether	10.160	63	120501	25.310	ug/l	97
56) Bromoform	12.577	173	22323	4.471	ug/l	100
58) 4-Methyl-2-Pentanone	10.448	43	145468	24.313	ug/l	93
59) 2-Hexanone	11.195	43	107829	24.966	ug/l	94
61) Tetrachloroethene	11.107	164	32348	5.147	ug/l	96
62) Toluene	10.630	91	187549	5.214	ug/l	97
64) Chlorobenzene	11.895	112	113670	5.138	ug/l	96
65) 1,1,1,2-Tetrachloroethane	11.960	131	39005	4.888	ug/l	95
66) Ethyl Benzene	11.966	91	196942	4.941	ug/l	97
67) m/p-Xylenes	12.071	106	152106	9.700	ug/l	99
68) o-Xylene	12.395	106	75440	4.882	ug/l	99
69) Styrene	12.413	104	114927	4.651	ug/l	98
70) Isopropylbenzene	12.701	105	199462	4.969	ug/l	97
71) 1,1,2,2-Tetrachloroethane	12.936	83	53935	5.011	ug/l	96
72) 1,2,3-Trichloropropane	13.001	75	58328	6.188	ug/l	82
73) Bromobenzene	12.983	156	40930	4.877	ug/l	92
74) n-propylbenzene	13.036	91	209939	4.678	ug/l	99
75) 2-Chlorotoluene	13.130	91	131135	4.831	ug/l	99
76) 1,3,5-Trimethylbenzene	13.177	105	145858	4.598	ug/l	97
77) t-1,4-Dichloro-2-butene	12.742	75	13701	4.391	ug/l	92
78) 4-Chlorotoluene	13.224	91	126440	4.771	ug/l	98
79) tert-butylbenzene	13.442	119	137007	4.822	ug/l	99
80) 1,2,4-Trimethylbenzene	13.489	105	142965	4.644	ug/l	98
81) sec-Butylbenzene	13.618	105	190702	4.782	ug/l	98
82) p-Isopropyltoluene	13.730	119	139740	4.404	ug/l	98
83) 1,3-Dichlorobenzene	13.736	146	72194	4.632	ug/l	98
84) 1,4-Dichlorobenzene	13.812	146	72799	4.771	ug/l	97
85) n-Butylbenzene	14.060	91	123241	4.721	ug/l	98
86) Hexachloroethane	14.336	117	27399	4.634	ug/l	95
87) 1,2-Dichlorobenzene	14.107	146	70974	4.691	ug/l	97
88) 1,2-Dibromo-3-Chloropr...	14.718	75	9458	4.835	ug/l	95
89) 1,2,4-Trichlorobenzene	15.395	180	22271	4.273	ug/l	96
90) Hexachlorobutadiene	15.506	225	16436	5.592	ug/l	96
91) Naphthalene	15.642	128	70749	3.973	ug/l	100
92) 1,2,3-Trichlorobenzene	15.842	180	20464	4.263	ug/l	93

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



#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.813 min Scan# 999
Delta R.T. -0.006 min
Lab File: VN077608.D
Acq: 08 May 2023 10:16

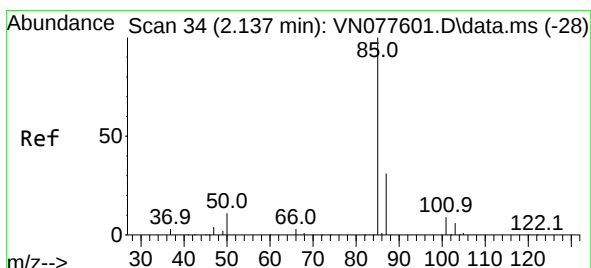
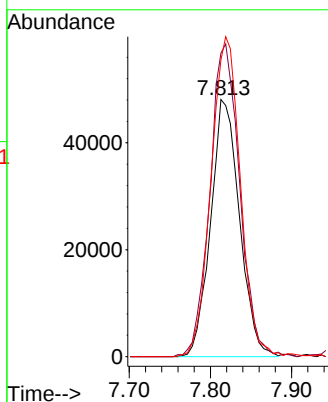
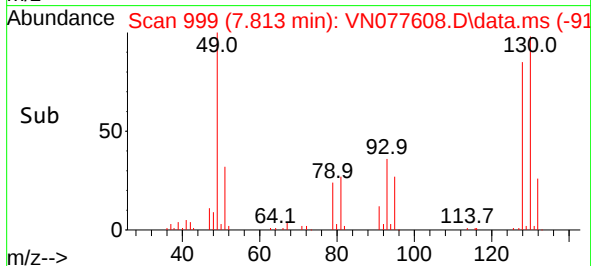
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005



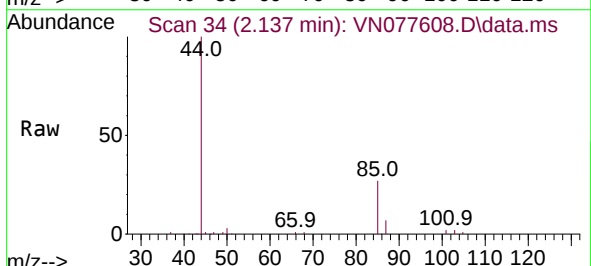
Tgt Ion:128 Resp: 118644
Ion Ratio Lower Upper
128 100
49 125.9 0.0 369.8
130 126.5 0.0 317.8

Manual Integrations
APPROVED

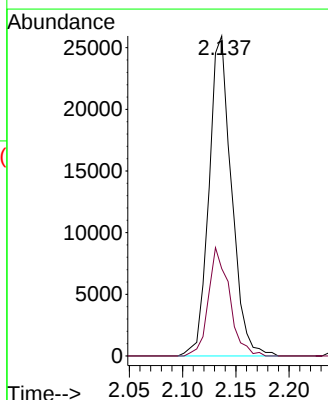
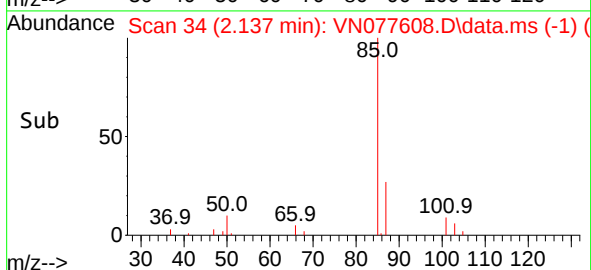
Reviewed By :John Carlone 05/09/2023
Supervised By :Mahesh Dadoda 05/09/2023

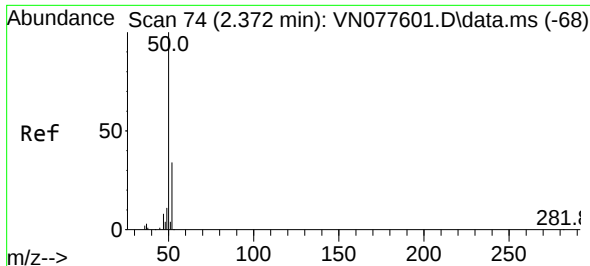


#2
Dichlorodifluoromethane
Concen: 4.895 ug/l
RT: 2.137 min Scan# 34
Delta R.T. -0.000 min
Lab File: VN077608.D
Acq: 08 May 2023 10:16



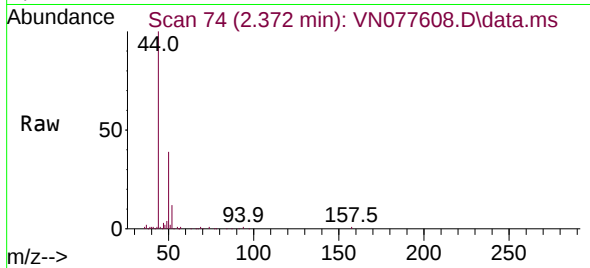
Tgt Ion: 85 Resp: 38127
Ion Ratio Lower Upper
85 100
87 27.3 15.3 45.9





#3
Chloromethane
Concen: 5.226 ug/l
RT: 2.372 min Scan# 74
Delta R.T. 0.000 min
Lab File: VN077608.D
Acq: 08 May 2023 10:16

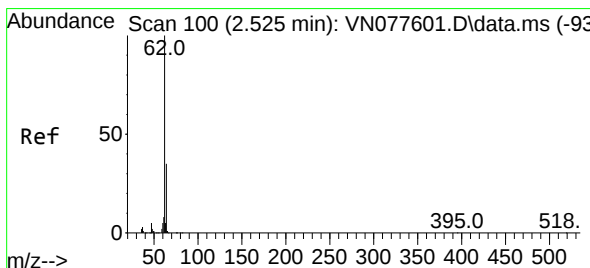
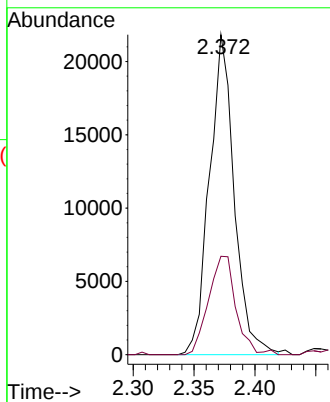
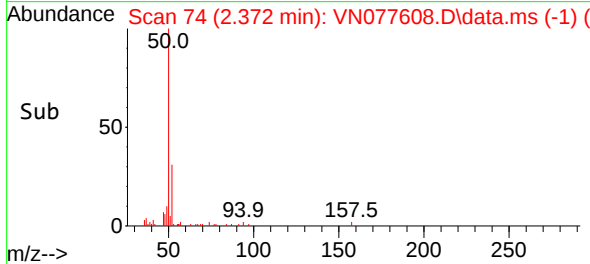
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005



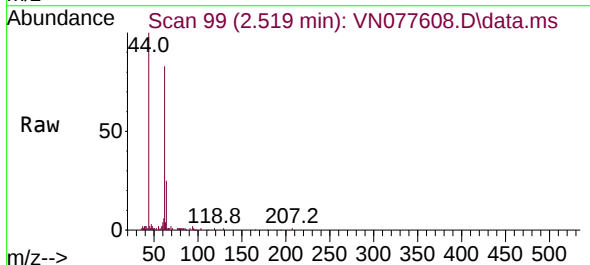
Tgt Ion: 50 Resp: 30939
Ion Ratio Lower Upper
50 100
52 30.7 27.3 40.9

Manual Integrations
APPROVED

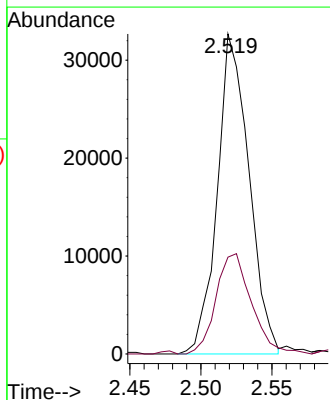
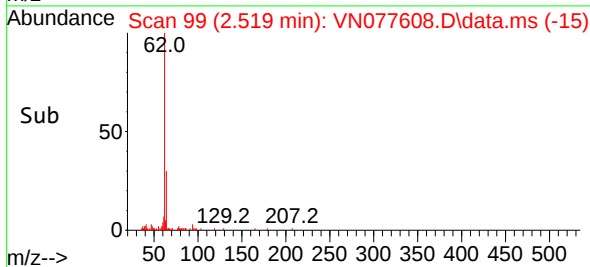
Reviewed By :John Carlone 05/09/2023
Supervised By :Mahesh Dadoda 05/09/2023

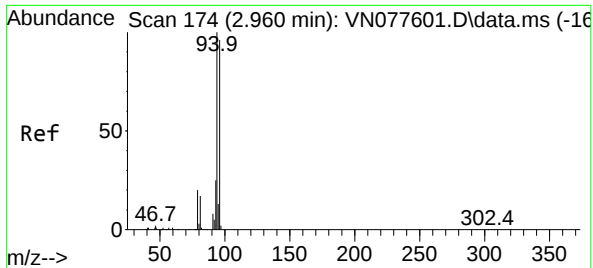


#4
Vinyl Chloride
Concen: 5.561 ug/l
RT: 2.519 min Scan# 99
Delta R.T. -0.006 min
Lab File: VN077608.D
Acq: 08 May 2023 10:16



Tgt Ion: 62 Resp: 50658
Ion Ratio Lower Upper
62 100
64 30.3 27.8 41.6





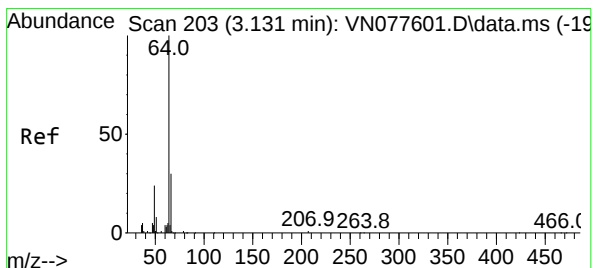
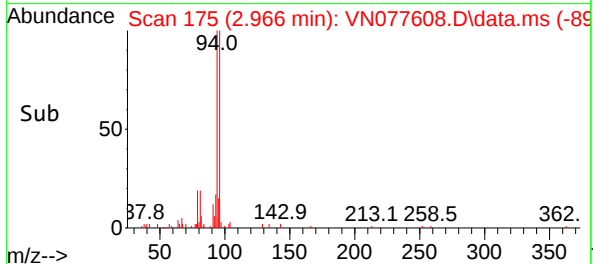
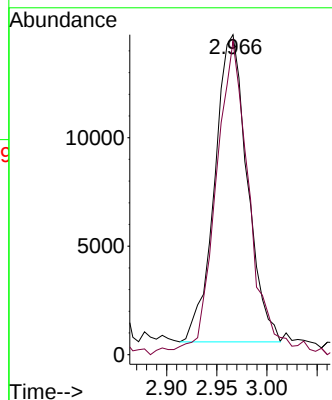
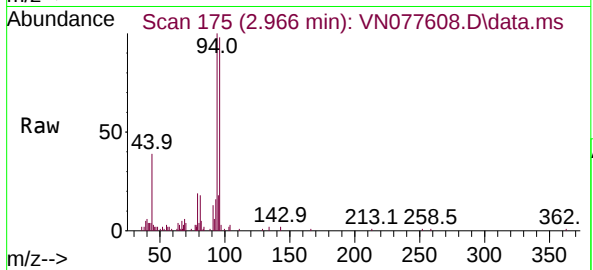
#5
Bromomethane
Concen: 5.278 ug/l
RT: 2.966 min Scan# 174
Delta R.T. 0.006 min
Lab File: VN077608.D
Acq: 08 May 2023 10:16

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion: 94 Resp: 32049
Ion Ratio Lower Upper
94 100
96 99.4 76.7 115.1

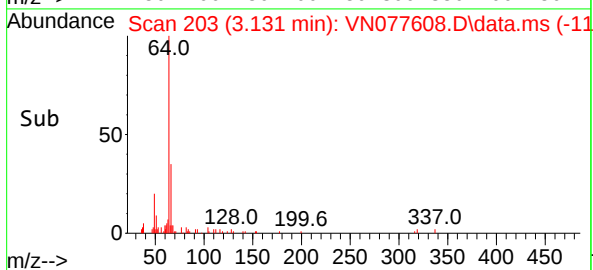
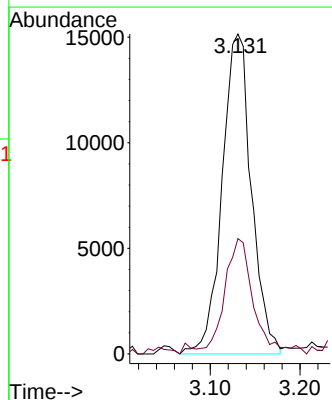
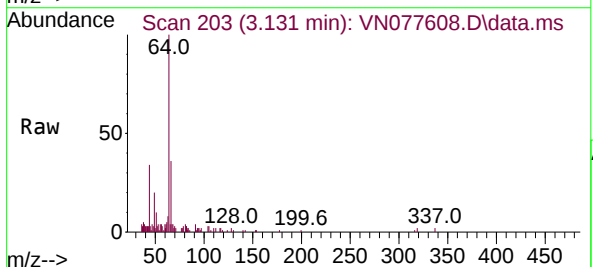
Manual Integrations
APPROVED

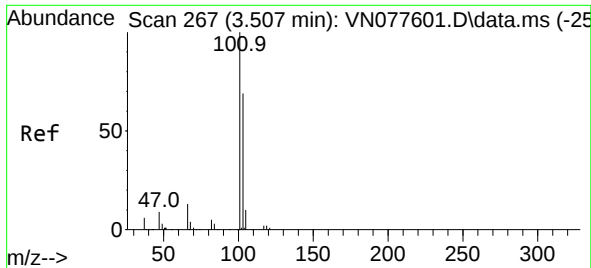
Reviewed By :John Carlone 05/09/2023
Supervised By :Mahesh Dadoda 05/09/2023



#6
Chloroethane
Concen: 5.769 ug/l
RT: 3.131 min Scan# 203
Delta R.T. -0.000 min
Lab File: VN077608.D
Acq: 08 May 2023 10:16

Tgt Ion: 64 Resp: 34331
Ion Ratio Lower Upper
64 100
66 36.0 24.2 36.4





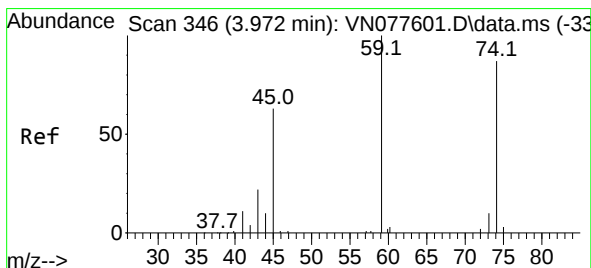
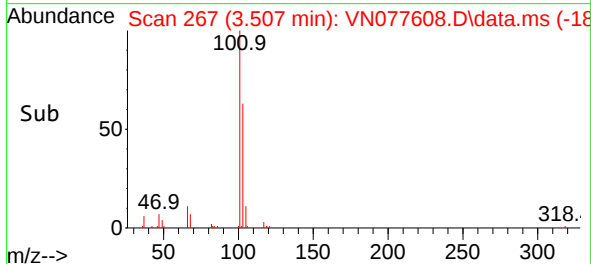
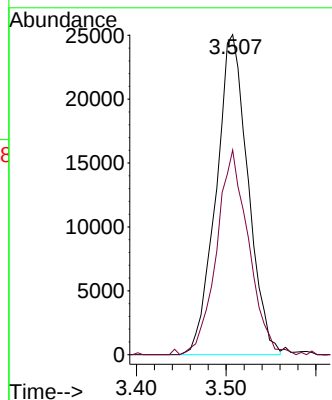
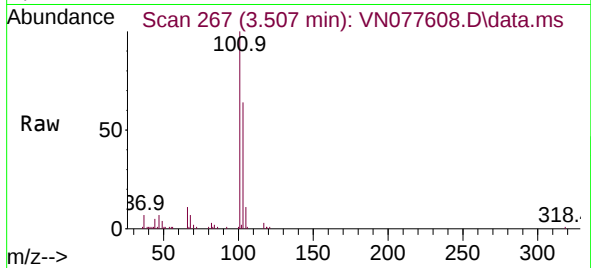
#7
 Trichlorofluoromethane
 Concen: 4.989 ug/l
 RT: 3.507 min Scan# 20
 Delta R.T. 0.000 min
 Lab File: VN077608.D
 Acq: 08 May 2023 10:16

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tgt Ion:101 Resp: 6180
 Ion Ratio Lower Upper
 101 100
 103 64.0 55.0 82.4

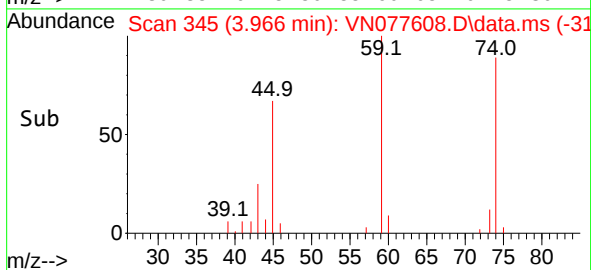
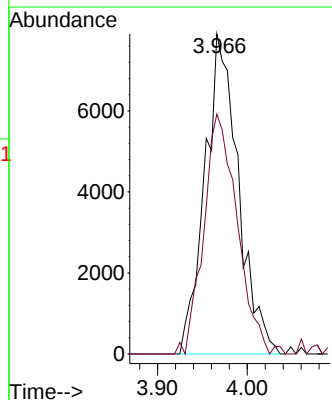
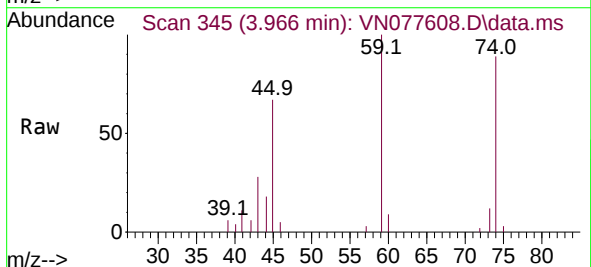
Manual Integrations
 APPROVED

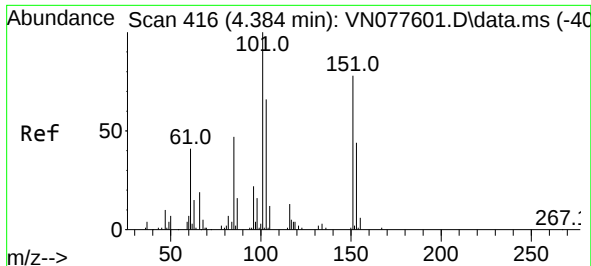
Reviewed By :John Carlone 05/09/2023
 Supervised By :Mahesh Dadoda 05/09/2023



#8
 Diethyl Ether
 Concen: 5.248 ug/l
 RT: 3.966 min Scan# 345
 Delta R.T. -0.006 min
 Lab File: VN077608.D
 Acq: 08 May 2023 10:16

Tgt Ion: 74 Resp: 20460
 Ion Ratio Lower Upper
 74 100
 45 74.0 14.8 133.2





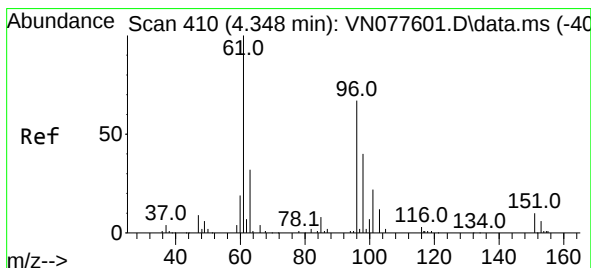
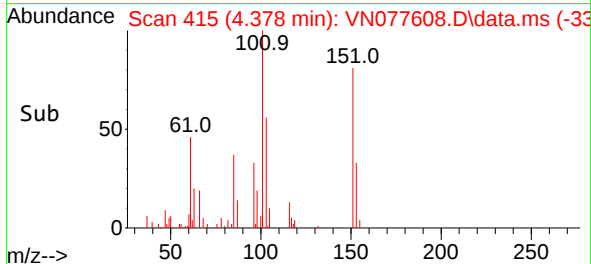
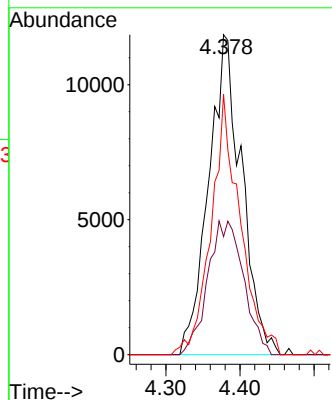
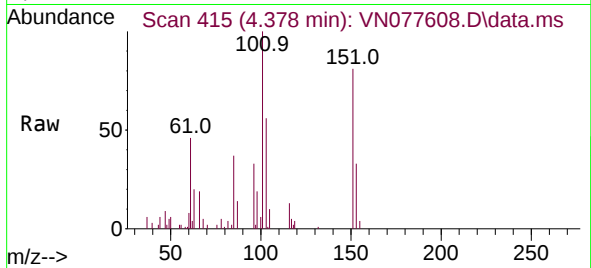
#9
1,1,2-Trichlorotrifluoroethane
Concen: 5.478 ug/l
RT: 4.378 min Scan# 416
Delta R.T. -0.006 min
Lab File: VN077608.D
Acq: 08 May 2023 10:16

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tgt Ion:101 Resp: 36608
Ion Ratio Lower Upper
101 100
85 22.3 0.0 92.6
151 70.3 0.0 137.4

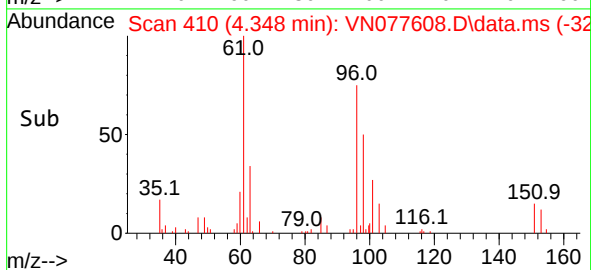
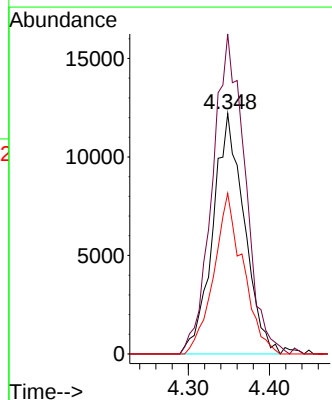
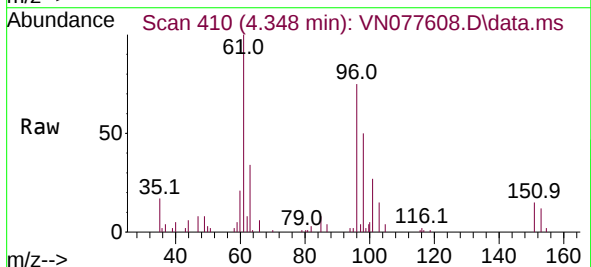
Manual Integrations
APPROVED

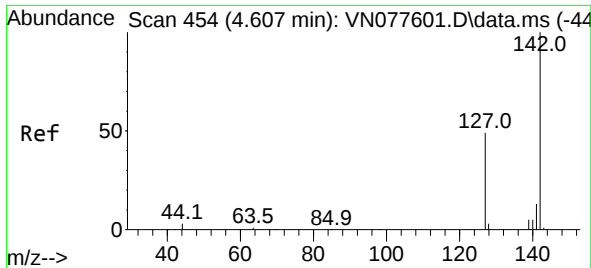
Reviewed By :John Carlone 05/09/2023
Supervised By :Mahesh Dadoda 05/09/2023



#10
1,1-Dichloroethene
Concen: 5.185 ug/l
RT: 4.348 min Scan# 410
Delta R.T. 0.000 min
Lab File: VN077608.D
Acq: 08 May 2023 10:16

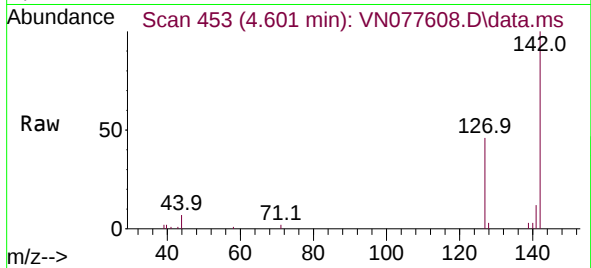
Tgt Ion: 96 Resp: 32772
Ion Ratio Lower Upper
96 100
61 133.1 120.1 180.1
98 66.8 48.3 72.5





#11
Methyl Iodide
Concen: 5.218 ug/l
RT: 4.601 min Scan# 411
Delta R.T. -0.006 min
Lab File: VN077608.D
Acq: 08 May 2023 10:16

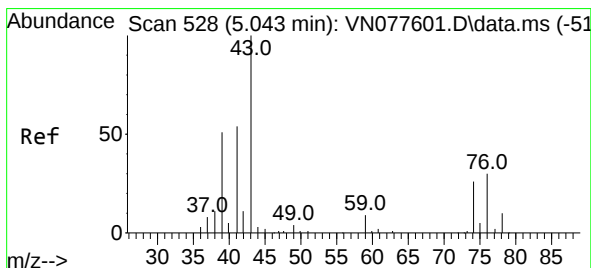
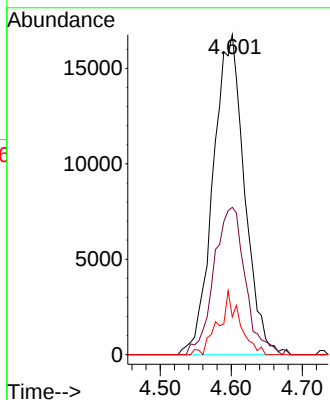
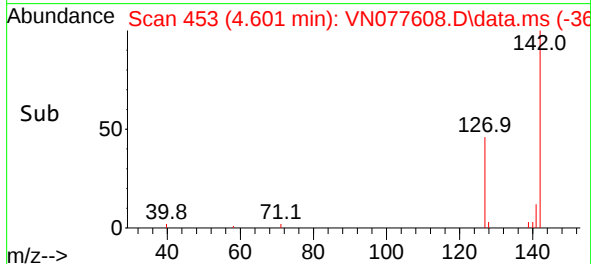
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005



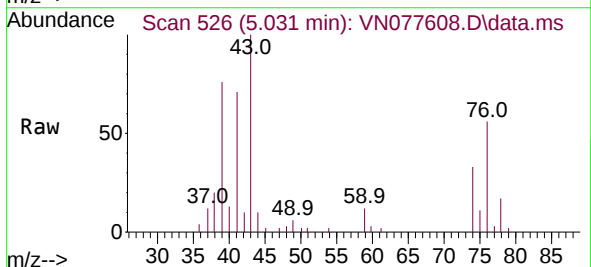
Tgt Ion:142 Resp: 51302
Ion Ratio Lower Upper
142 100
127 45.8 24.6 73.6
141 11.9 6.4 19.2

Manual Integrations
APPROVED

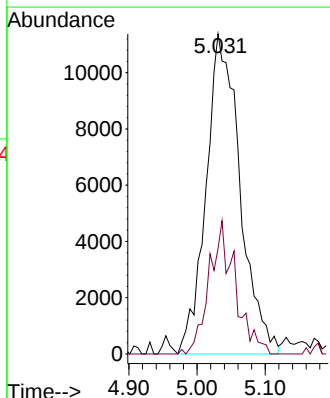
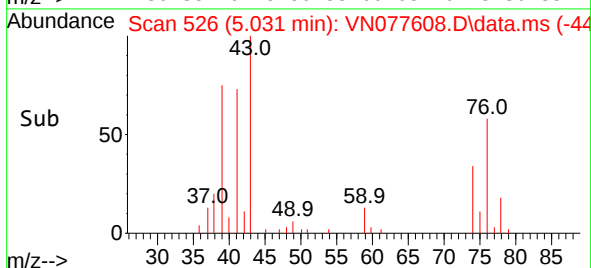
Reviewed By :John Carlone 05/09/2023
Supervised By :Mahesh Dadoda 05/09/2023

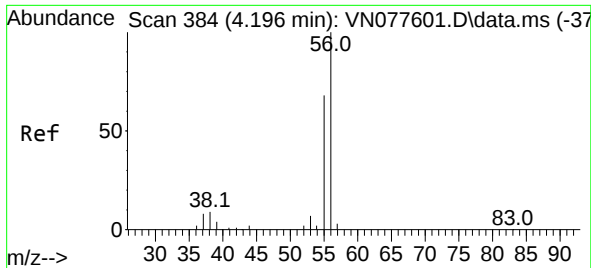


#12
Methyl Acetate
Concen: 5.165 ug/l
RT: 5.031 min Scan# 526
Delta R.T. -0.012 min
Lab File: VN077608.D
Acq: 08 May 2023 10:16



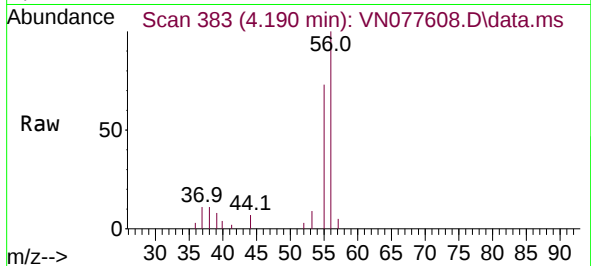
Tgt Ion: 43 Resp: 39466
Ion Ratio Lower Upper
43 100
74 33.4 20.6 31.0#





#13
Acrolein
Concen: 26.879 ug/l
RT: 4.190 min Scan# 384
Delta R.T. -0.006 min
Lab File: VN077608.D
Acq: 08 May 2023 10:16

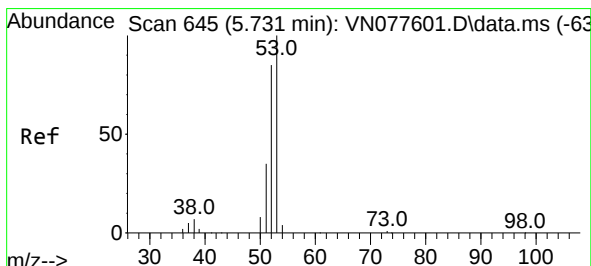
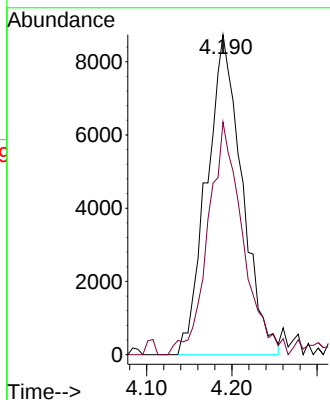
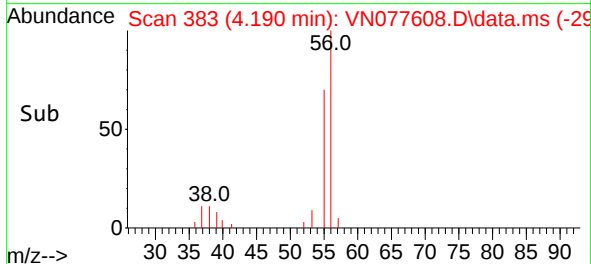
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005



Tgt Ion: 56 Resp: 25159
Ion Ratio Lower Upper
56 100
55 69.7 54.8 82.2

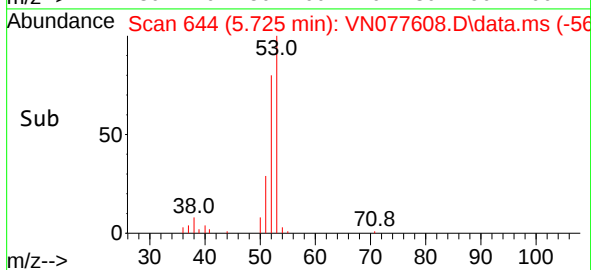
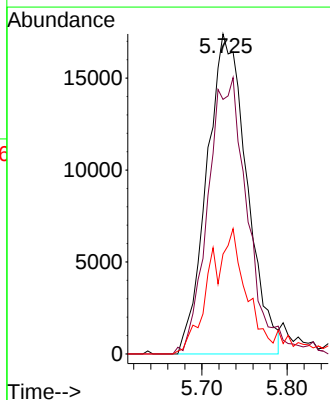
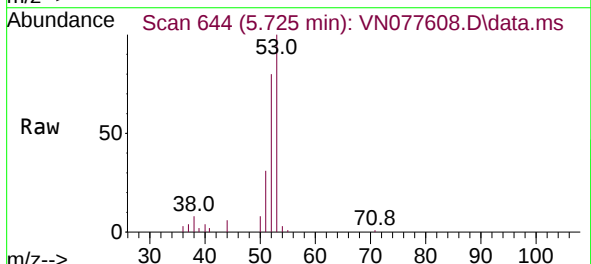
Manual Integrations
APPROVED

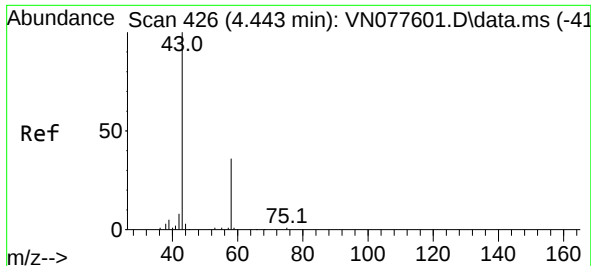
Reviewed By :John Carlone 05/09/2023
Supervised By :Mahesh Dadoda 05/09/2023



#14
Acrylonitrile
Concen: 24.450 ug/l
RT: 5.725 min Scan# 644
Delta R.T. -0.006 min
Lab File: VN077608.D
Acq: 08 May 2023 10:16

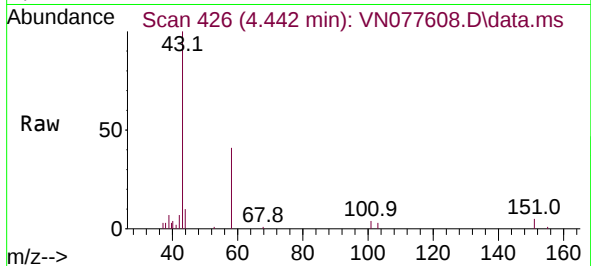
Tgt Ion: 53 Resp: 56831
Ion Ratio Lower Upper
53 100
52 37.8 41.6 124.8#
51 12.7 17.6 52.9#





#15
Acetone
Concen: 28.611 ug/l m
RT: 4.442 min Scan# 41
Delta R.T. -0.001 min
Lab File: VN077608.D
Acq: 08 May 2023 10:16

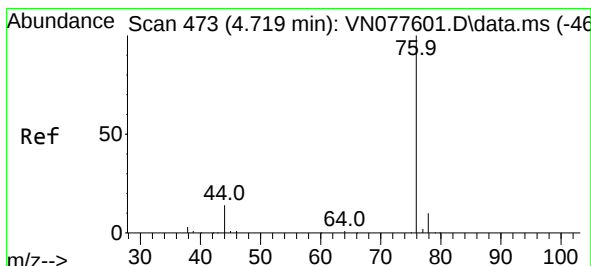
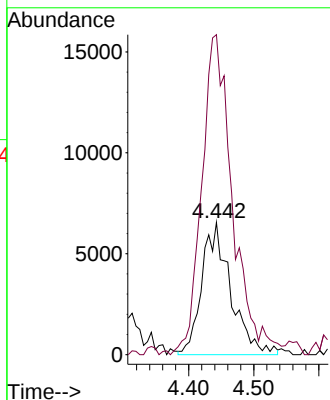
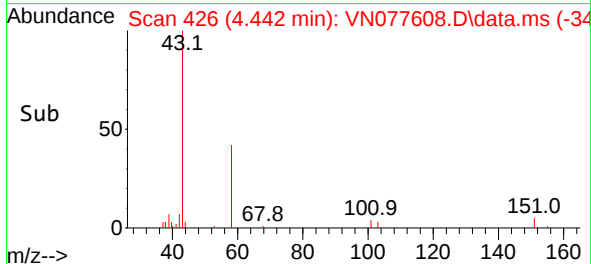
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005



Tgt Ion: 58 Resp: 2024
Ion Ratio Lower Upper
58 100
43 241.9 223.2 334.8

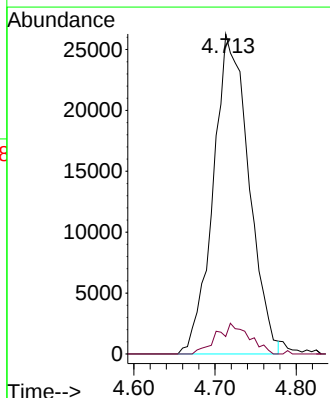
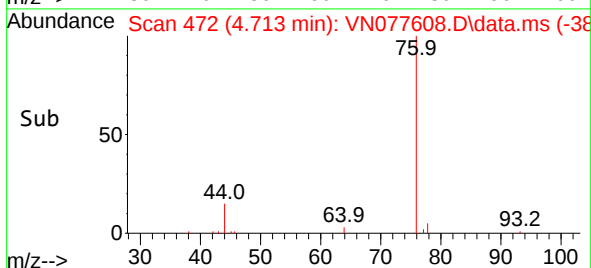
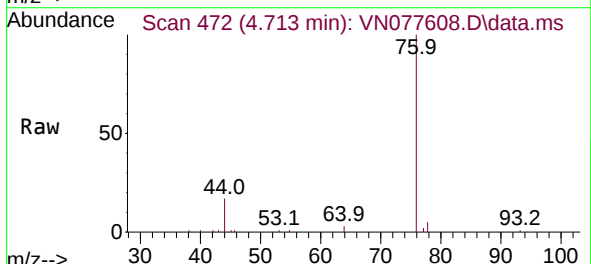
Manual Integrations
APPROVED

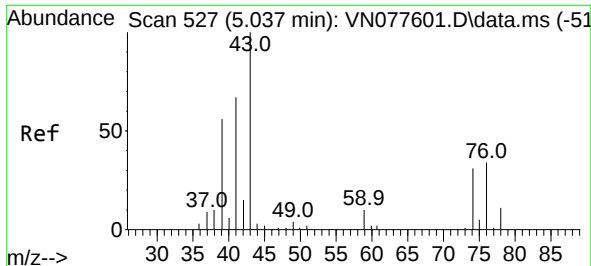
Reviewed By :John Carlone 05/09/2023
Supervised By :Mahesh Dadoda 05/09/2023



#16
Carbon Disulfide
Concen: 5.272 ug/l
RT: 4.713 min Scan# 472
Delta R.T. -0.006 min
Lab File: VN077608.D
Acq: 08 May 2023 10:16

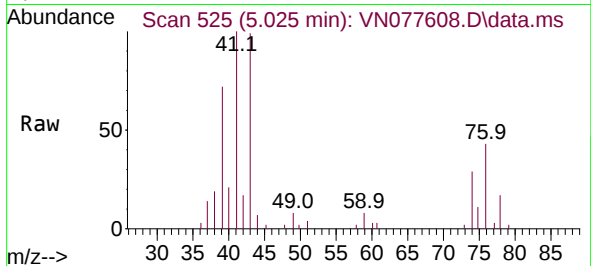
Tgt Ion: 76 Resp: 80057
Ion Ratio Lower Upper
76 100
78 5.5 7.6 11.4#





#17
 Allyl chloride
 Concen: 5.601 ug/l m
 RT: 5.025 min Scan# 51
 Delta R.T. -0.012 min
 Lab File: VN077608.D
 Acq: 08 May 2023 10:16

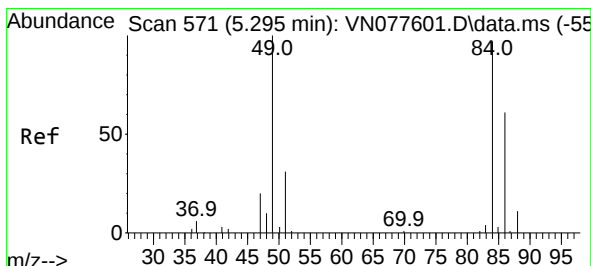
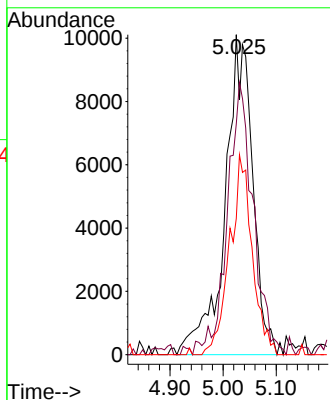
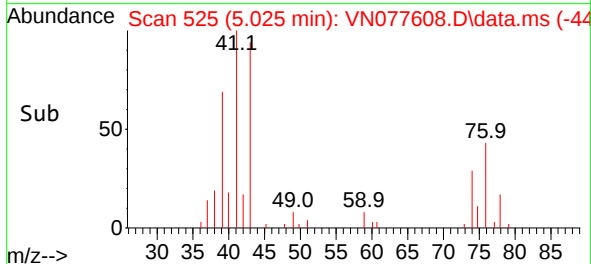
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005



Tgt Ion: 41 Resp: 3654
 Ion Ratio Lower Upper
 41 100
 39 72.1 39.5 118.3
 76 42.6 23.4 70.3

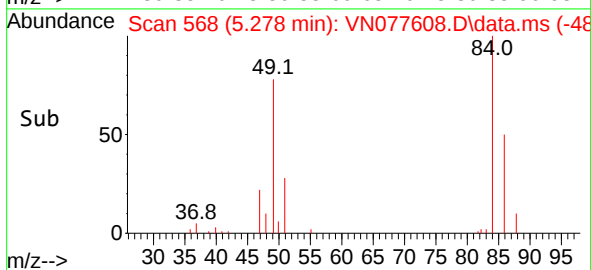
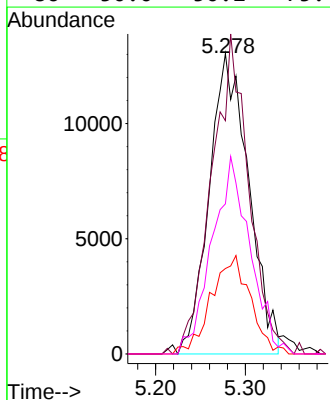
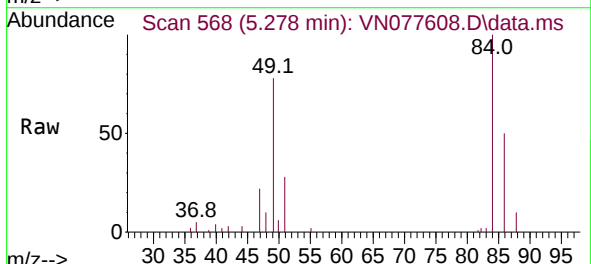
Manual Integrations
 APPROVED

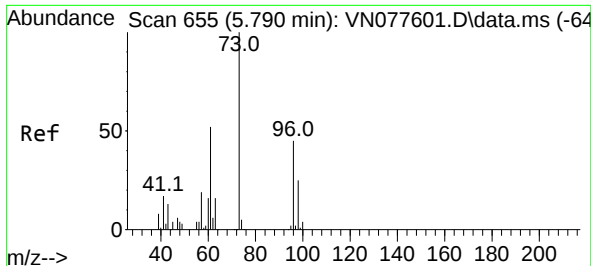
Reviewed By :John Carlone 05/09/2023
 Supervised By :Mahesh Dadoda 05/09/2023



#18
 Methylene Chloride
 Concen: 5.175 ug/l
 RT: 5.278 min Scan# 568
 Delta R.T. -0.017 min
 Lab File: VN077608.D
 Acq: 08 May 2023 10:16

Tgt Ion: 84 Resp: 39759
 Ion Ratio Lower Upper
 84 100
 49 77.7 82.4 123.6#
 51 26.2 25.1 37.7
 86 50.0 50.2 75.4#





#19

trans-1,2-Dichloroethene

Concen: 5.437 ug/l

RT: 5.795 min Scan# 61

Delta R.T. 0.005 min

Lab File: VN077608.D

Acq: 08 May 2023 10:16

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC005

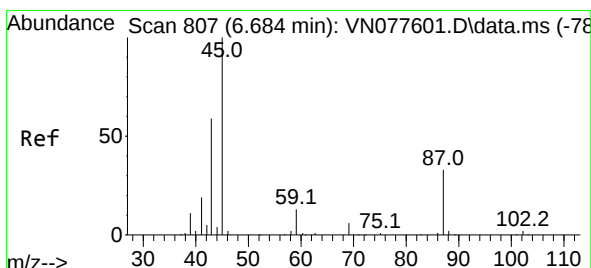
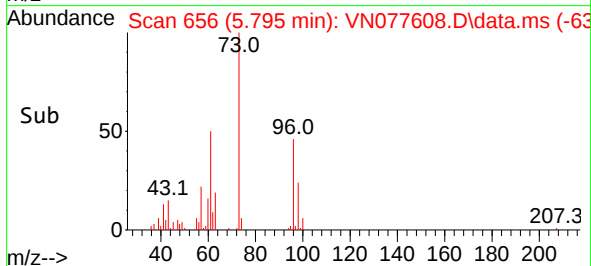
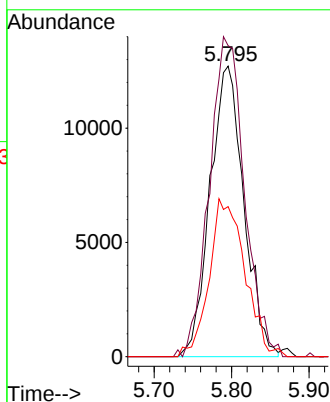
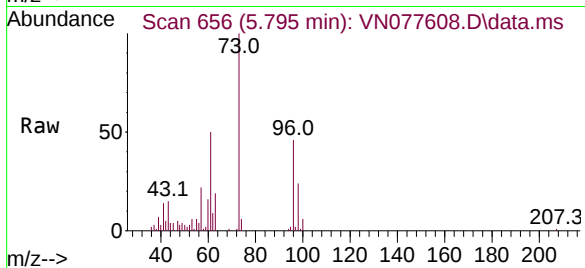
Tgt Ion:	96	Resp:	3866
Ion	Ratio	Lower	Upper
96	100		
61	104.7	92.4	138.6
98	51.7	44.8	67.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/09/2023

Supervised By :Mahesh Dadoda 05/09/2023



#20

Diisopropyl ether

Concen: 5.191 ug/l

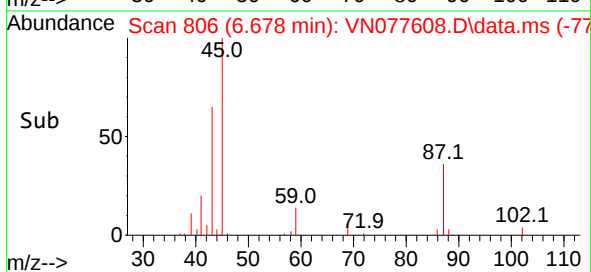
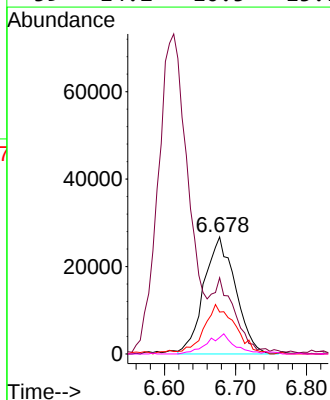
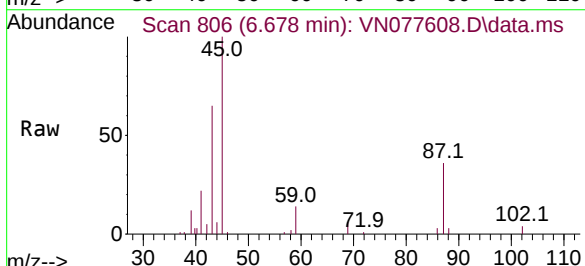
RT: 6.678 min Scan# 806

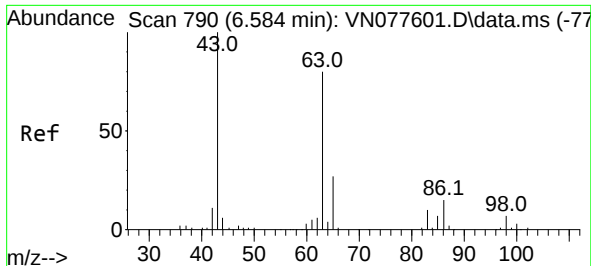
Delta R.T. -0.006 min

Lab File: VN077608.D

Acq: 08 May 2023 10:16

Tgt Ion:	45	Resp:	82840
Ion	Ratio	Lower	Upper
45	100		
43	62.5	47.1	70.7
87	35.1	26.2	39.2
59	14.2	10.5	15.7





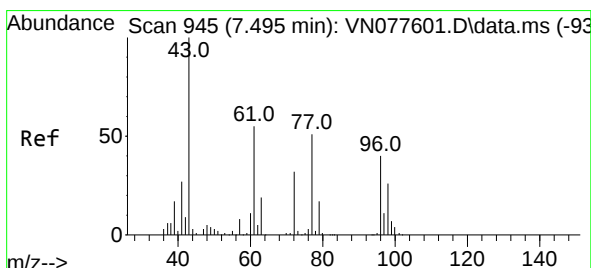
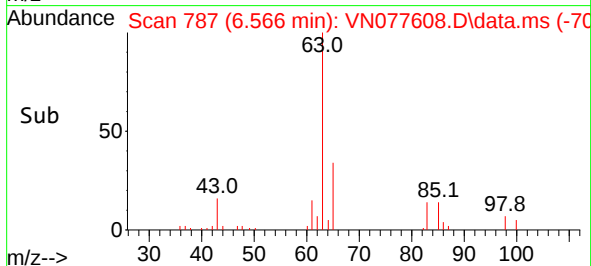
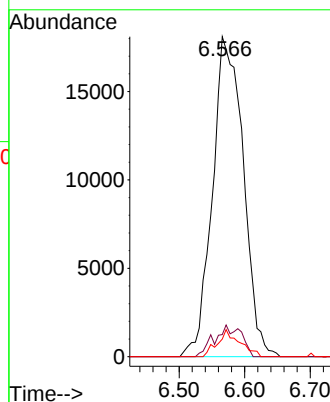
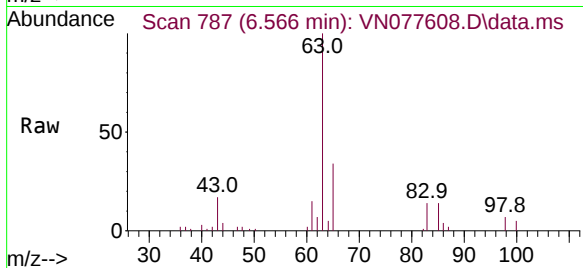
#21
1,1-Dichloroethane
Concen: 5.046 ug/l
RT: 6.566 min Scan# 790
Delta R.T. -0.018 min
Lab File: VN077608.D
Acq: 08 May 2023 10:16

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tgt Ion: 63 Resp: 5906
Ion Ratio Lower Upper
63 100
98 6.9 4.3 13.1
100 5.5 2.3 6.8

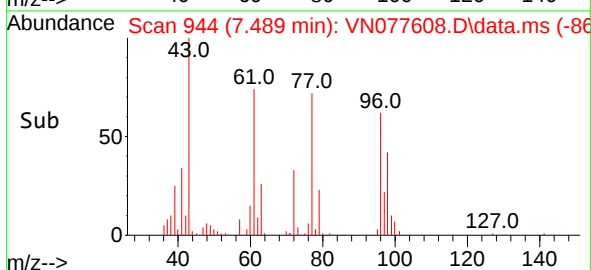
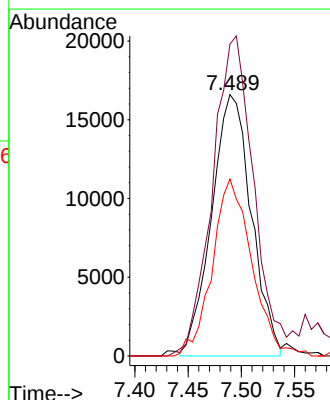
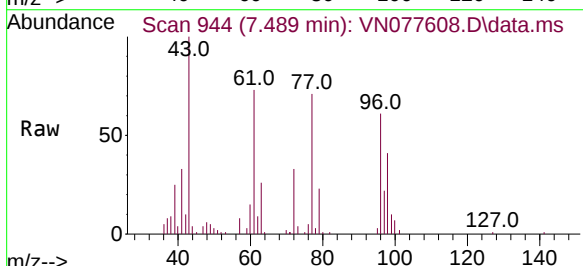
Manual Integrations
APPROVED

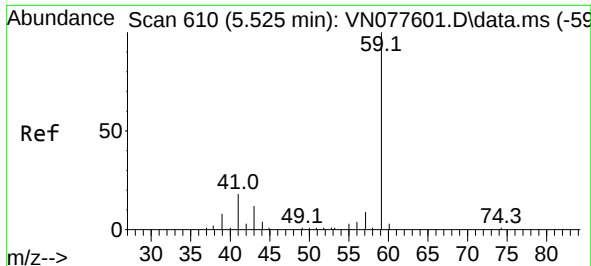
Reviewed By :John Carlone 05/09/2023
Supervised By :Mahesh Dadoda 05/09/2023



#22
cis-1,2-Dichloroethene
Concen: 5.031 ug/l
RT: 7.489 min Scan# 944
Delta R.T. -0.006 min
Lab File: VN077608.D
Acq: 08 May 2023 10:16

Tgt Ion: 96 Resp: 43110
Ion Ratio Lower Upper
96 100
61 128.5 109.4 164.0
98 66.1 51.2 76.8





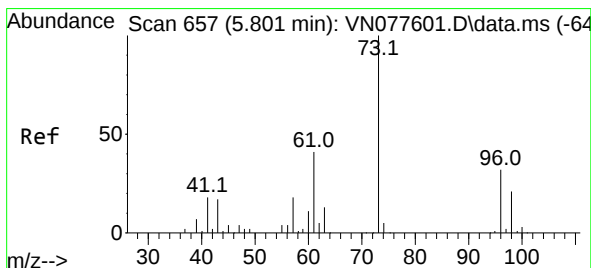
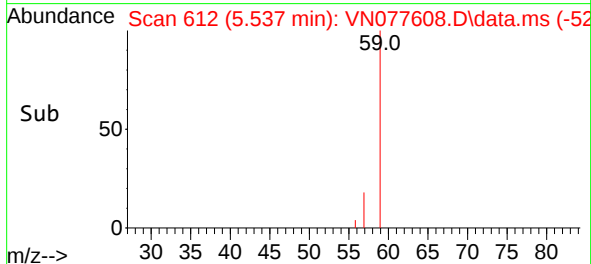
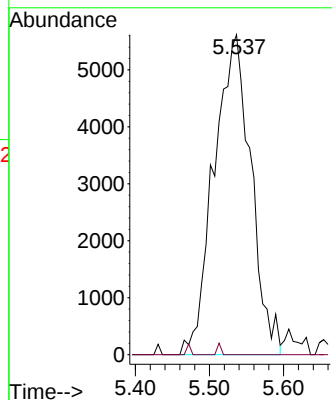
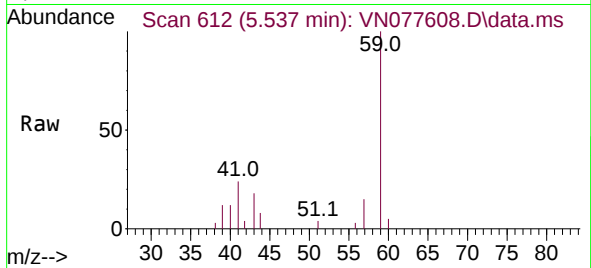
#23
tert-Butyl Alcohol
Concen: 21.338 ug/l
RT: 5.537 min Scan# 610
Delta R.T. 0.012 min
Lab File: VN077608.D
Acq: 08 May 2023 10:16

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tgt Ion: 59 Resp: 1945
Ion Ratio Lower Upper
59 100
52 0.0 0.0 0.0

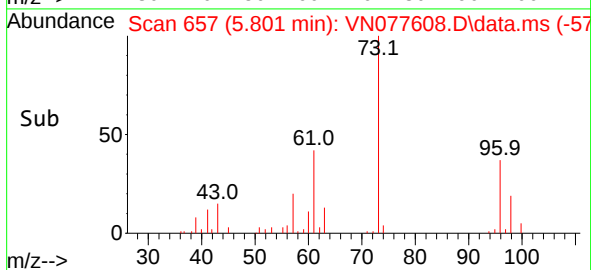
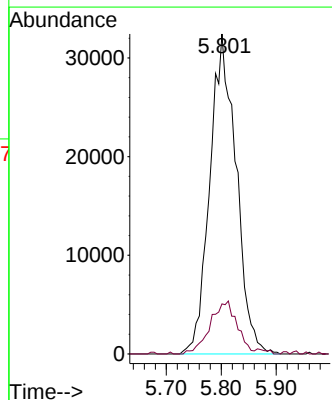
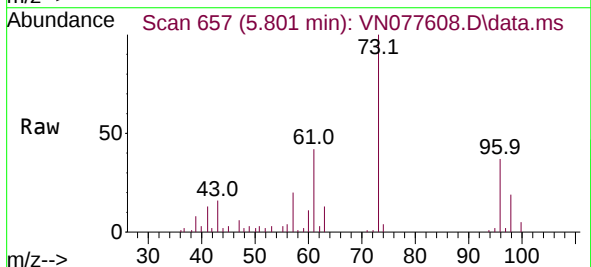
Manual Integrations
APPROVED

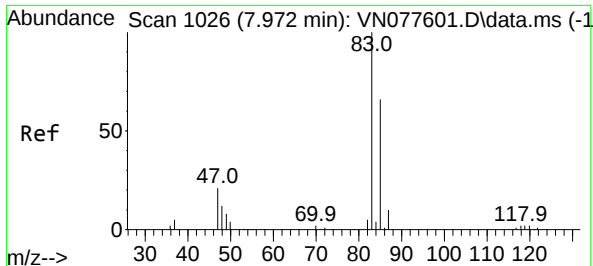
Reviewed By :John Carlone 05/09/2023
Supervised By :Mahesh Dadoda 05/09/2023



#24
Methyl tert-Butyl Ether
Concen: 5.039 ug/l
RT: 5.801 min Scan# 657
Delta R.T. 0.000 min
Lab File: VN077608.D
Acq: 08 May 2023 10:16

Tgt Ion: 73 Resp: 107814
Ion Ratio Lower Upper
73 100
43 10.2 14.3 21.5#





#25

Chloroform

Concen: 5.125 ug/l

RT: 7.972 min Scan# 1026

Delta R.T. -0.000 min

Lab File: VN077608.D

Acq: 08 May 2023 10:16

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tgt Ion: 83 Resp: 71510

Ion Ratio Lower Upper

83 100

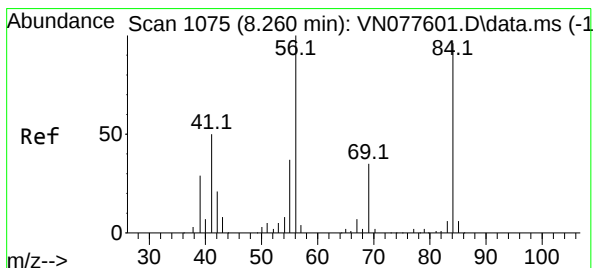
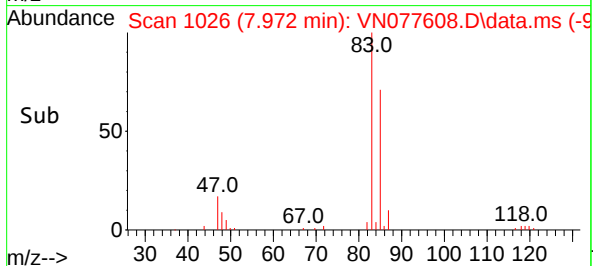
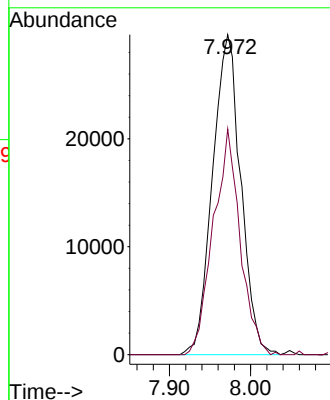
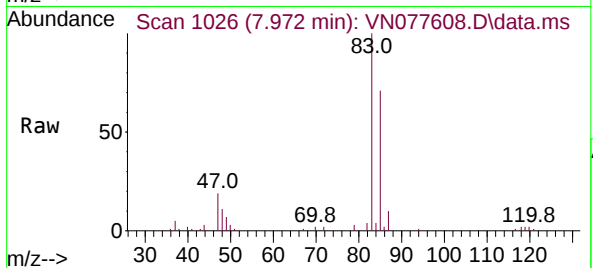
85 70.5 53.0 79.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/09/2023

Supervised By :Mahesh Dadoda 05/09/2023



#26

Cyclohexane

Concen: 5.296 ug/l

RT: 8.260 min Scan# 1075

Delta R.T. -0.000 min

Lab File: VN077608.D

Acq: 08 May 2023 10:16

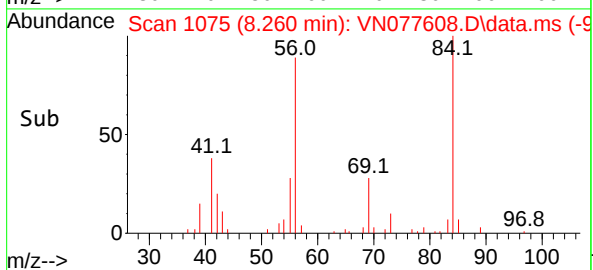
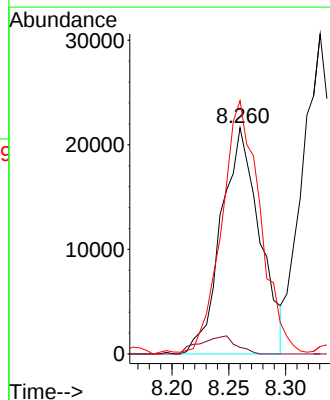
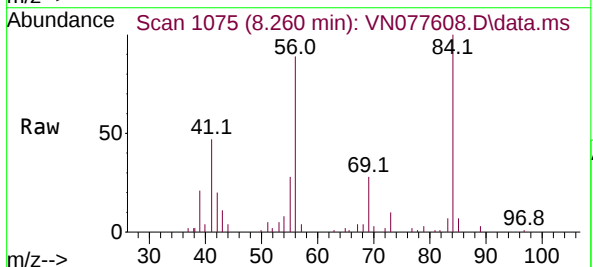
Tgt Ion: 56 Resp: 50898

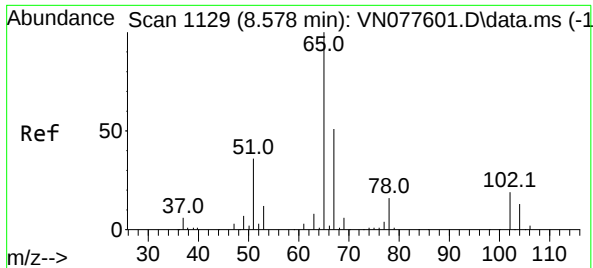
Ion Ratio Lower Upper

56 100

89 7.5 0.0 0.0#

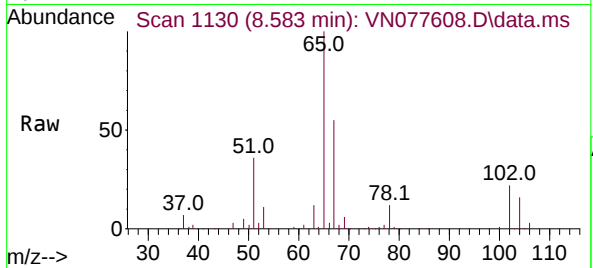
84 111.9 84.6 126.8





#27
1,2-Dichloroethane-d4
Concen: 30.764 ug/l
RT: 8.583 min Scan# 1129
Delta R.T. 0.005 min
Lab File: VN077608.D
Acq: 08 May 2023 10:16

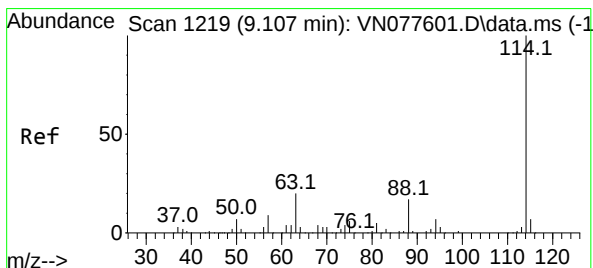
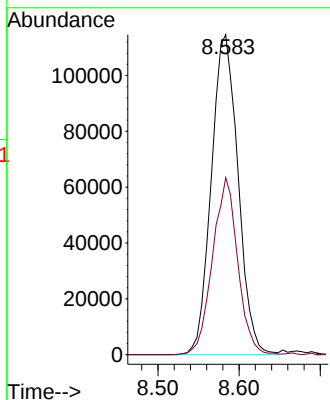
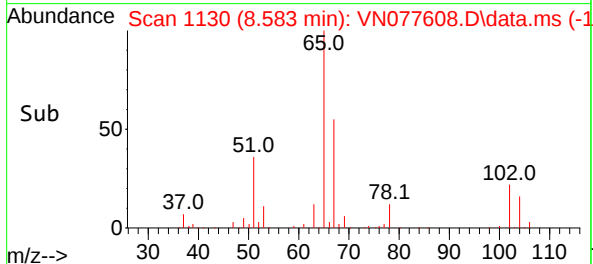
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005



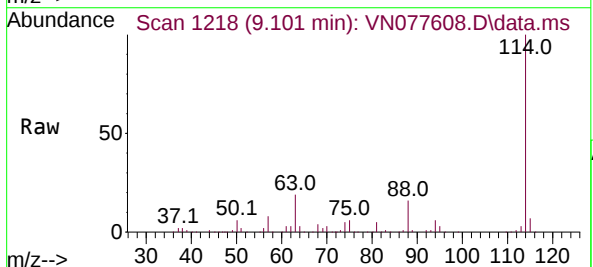
Tgt Ion: 65 Resp: 26248
Ion Ratio Lower Upper
65 100
67 52.0 41.3 61.9

Manual Integrations
APPROVED

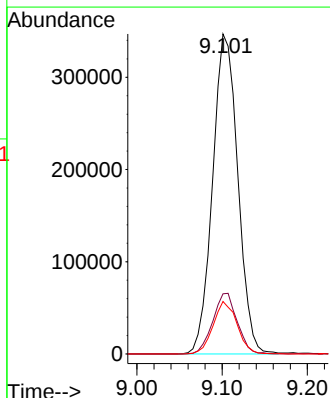
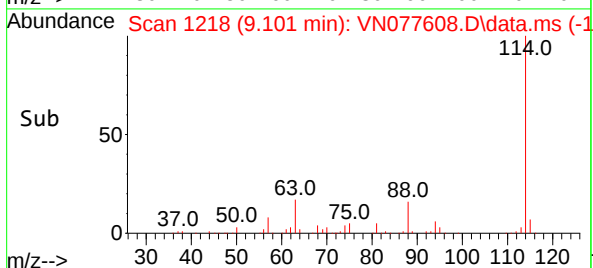
Reviewed By :John Carlone 05/09/2023
Supervised By :Mahesh Dadoda 05/09/2023

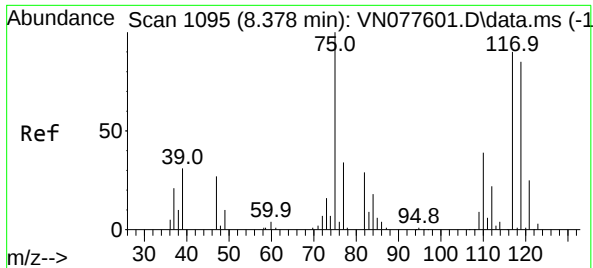


#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 9.101 min Scan# 1218
Delta R.T. -0.006 min
Lab File: VN077608.D
Acq: 08 May 2023 10:16



Tgt Ion: 114 Resp: 713802
Ion Ratio Lower Upper
114 100
63 18.3 15.8 23.6
88 15.6 13.0 19.4





#29
1,1-Dichloropropene
Concen: 4.938 ug/l
RT: 8.378 min Scan# 1095
Delta R.T. -0.000 min
Lab File: VN077608.D
Acq: 08 May 2023 10:16

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

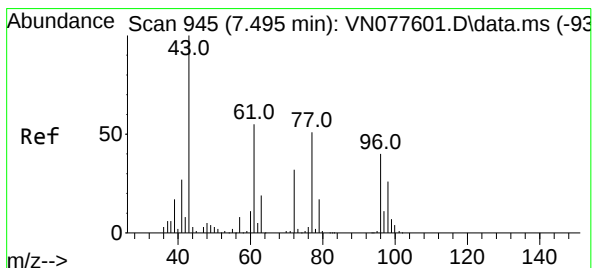
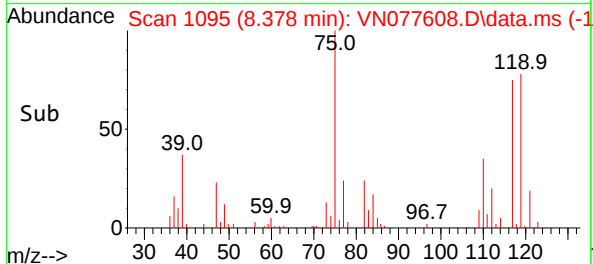
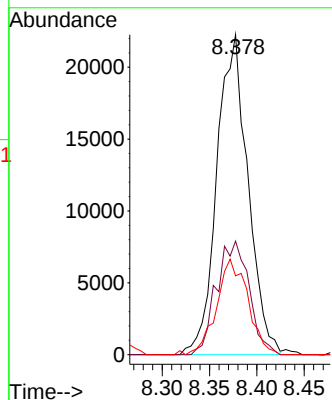
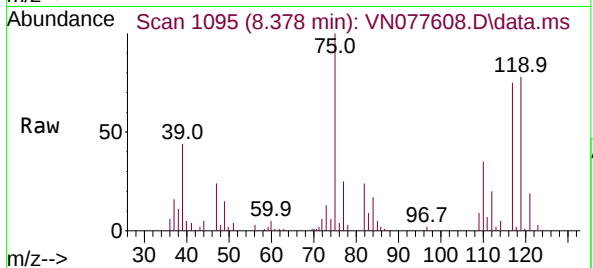
Tgt Ion: 75 Resp: 50749
Ion Ratio Lower Upper
75 100
110 37.3 0.0 69.8
77 30.1 0.0 61.4

Manual Integrations

APPROVED

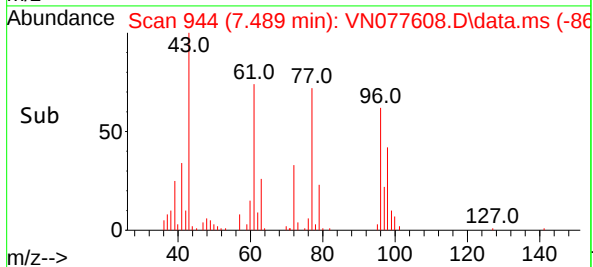
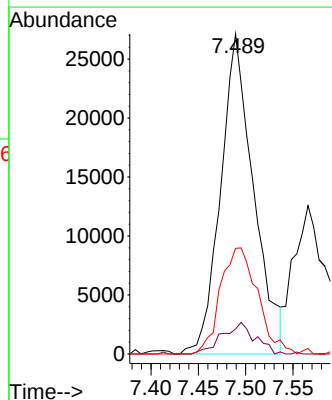
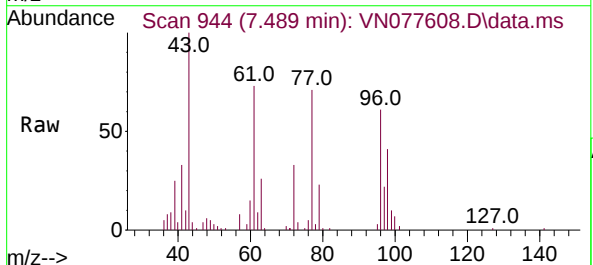
Reviewed By :John Carlone 05/09/2023

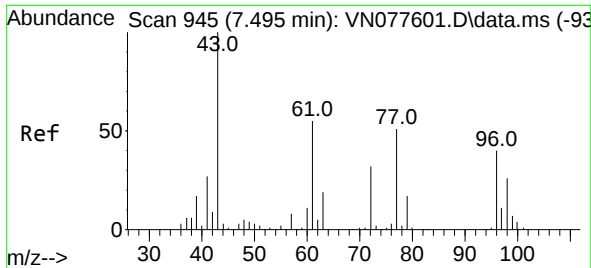
Supervised By :Mahesh Dadoda 05/09/2023



#30
2-Butanone
Concen: 23.931 ug/l
RT: 7.489 min Scan# 944
Delta R.T. -0.006 min
Lab File: VN077608.D
Acq: 08 May 2023 10:16

Tgt Ion: 43 Resp: 65547
Ion Ratio Lower Upper
43 100
57 6.0 7.2 10.8#
72 36.2 26.2 39.2





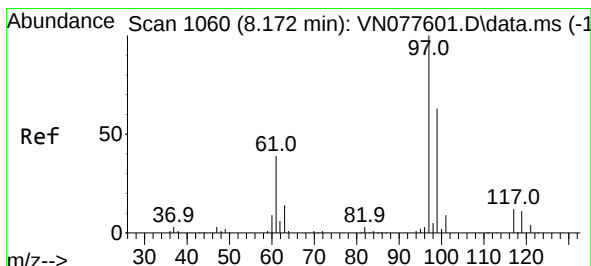
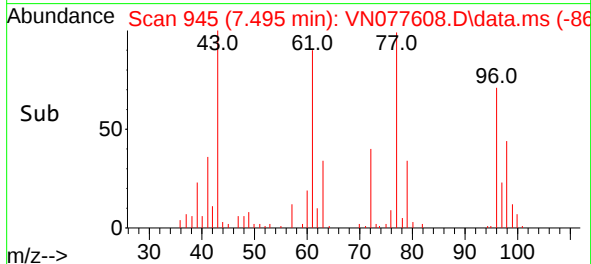
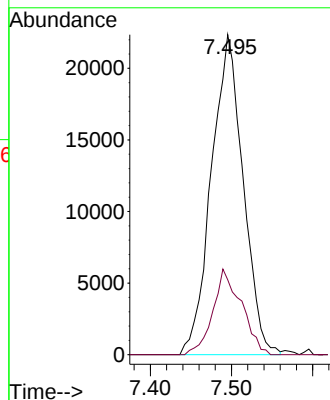
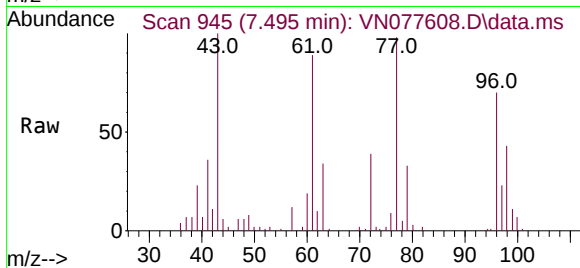
#31
2,2-Dichloropropane
Concen: 5.076 ug/l
RT: 7.495 min Scan# 945
Delta R.T. 0.000 min
Lab File: VN077608.D
Acq: 08 May 2023 10:16

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tgt Ion: 77 Resp: 60774
Ion Ratio Lower Upper
77 100
97 24.1 19.1 28.7

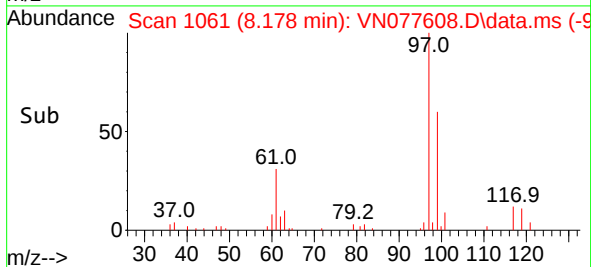
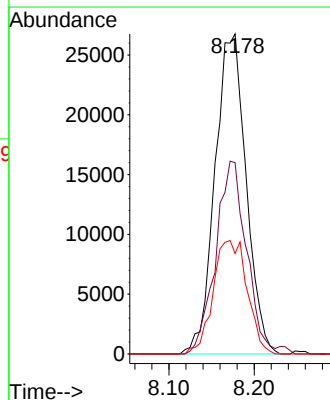
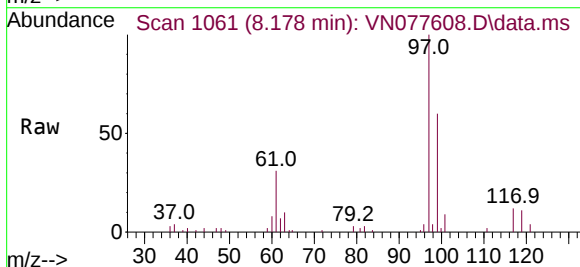
Manual Integrations
APPROVED

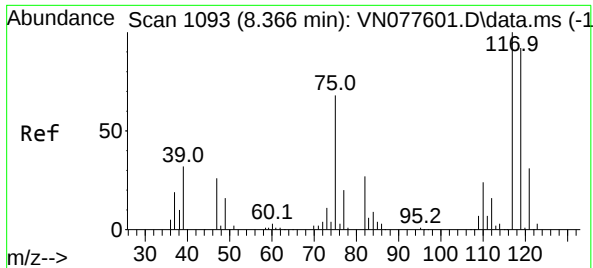
Reviewed By :John Carlone 05/09/2023
Supervised By :Mahesh Dadoda 05/09/2023



#32
1,1,1-Trichloroethane
Concen: 5.109 ug/l
RT: 8.178 min Scan# 1061
Delta R.T. 0.006 min
Lab File: VN077608.D
Acq: 08 May 2023 10:16

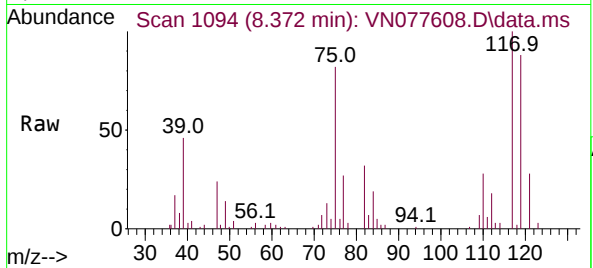
Tgt Ion: 97 Resp: 67947
Ion Ratio Lower Upper
97 100
99 59.3 53.1 79.7
61 26.1 35.1 52.7#





#33
Carbon Tetrachloride
Concen: 4.934 ug/l
RT: 8.372 min Scan# 1109
Delta R.T. 0.006 min
Lab File: VN077608.D
Acq: 08 May 2023 10:16

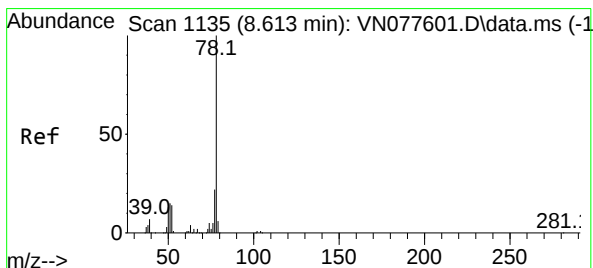
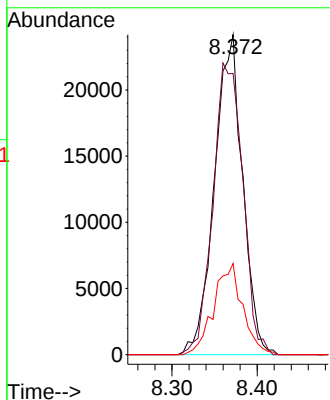
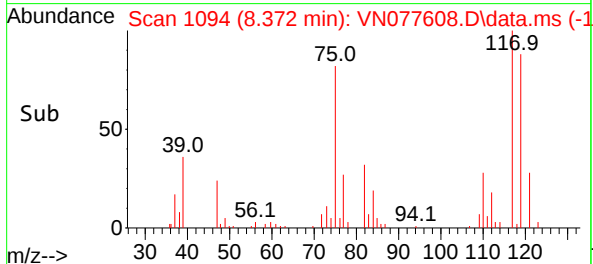
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005



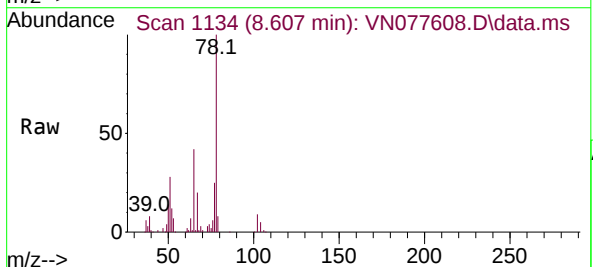
Tgt Ion:117 Resp: 55488
Ion Ratio Lower Upper
117 100
119 87.9 73.9 110.9
121 28.5 25.0 37.4

Manual Integrations
APPROVED

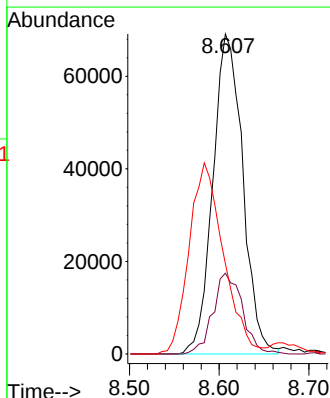
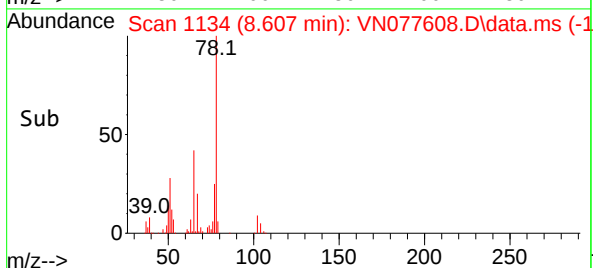
Reviewed By :John Carlone 05/09/2023
Supervised By :Mahesh Dadoda 05/09/2023

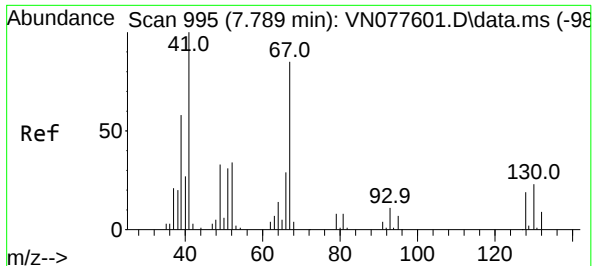


#34
Benzene
Concen: 5.149 ug/l
RT: 8.607 min Scan# 1134
Delta R.T. -0.006 min
Lab File: VN077608.D
Acq: 08 May 2023 10:16



Tgt Ion: 78 Resp: 159771
Ion Ratio Lower Upper
78 100
77 25.3 17.2 25.8
51 24.7 12.3 18.5#





#35
Methacrylonitrile
Concen: 4.942 ug/l
RT: 7.783 min Scan# 994
Delta R.T. -0.006 min
Lab File: VN077608.D
Acq: 08 May 2023 10:16

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

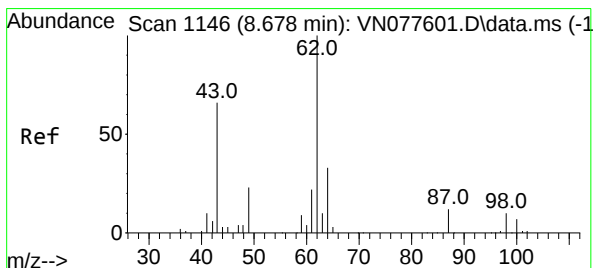
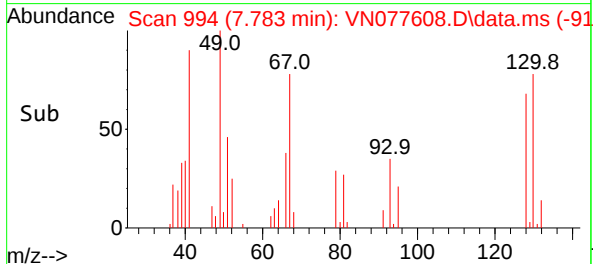
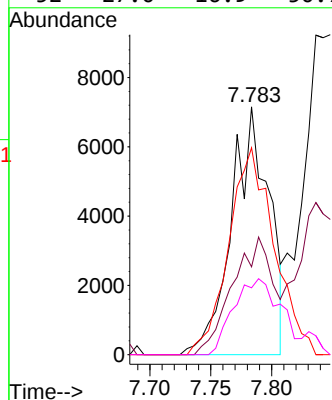
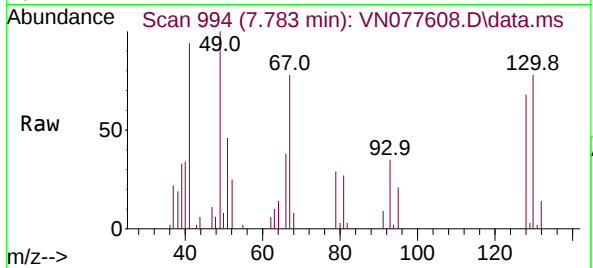
Tgt Ion: 41 Resp: 1536
Ion Ratio Lower Upper
41 100
39 35.5 28.7 86.3
67 83.5 42.7 128.1
52 27.0 16.9 50.7

Manual Integrations

APPROVED

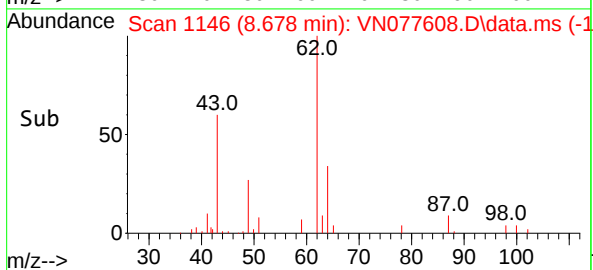
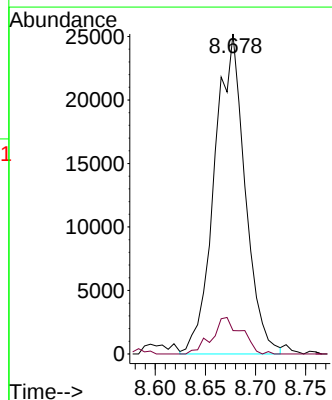
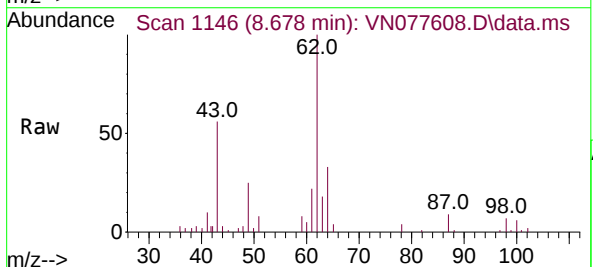
Reviewed By :John Carlone 05/09/2023

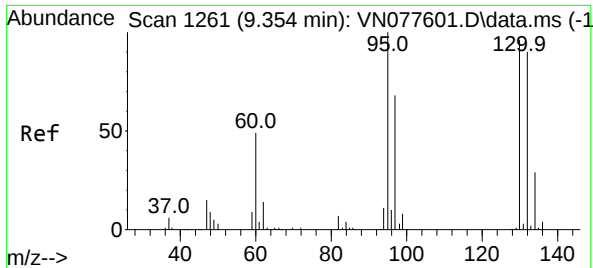
Supervised By :Mahesh Dadoda 05/09/2023



#36
1,2-Dichloroethane
Concen: 5.166 ug/l
RT: 8.678 min Scan# 1146
Delta R.T. -0.001 min
Lab File: VN077608.D
Acq: 08 May 2023 10:16

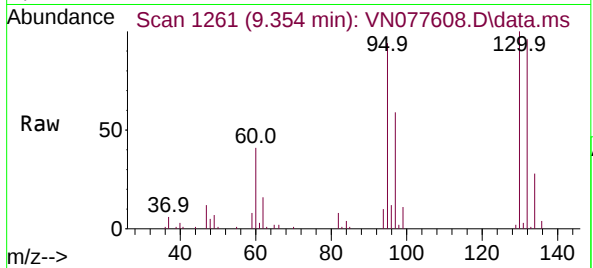
Tgt Ion: 62 Resp: 53437
Ion Ratio Lower Upper
62 100
98 7.1 7.6 11.4





#37
Trichloroethene
Concen: 5.183 ug/l
RT: 9.354 min Scan# 1261
Delta R.T. -0.000 min
Lab File: VN077608.D
Acq: 08 May 2023 10:16

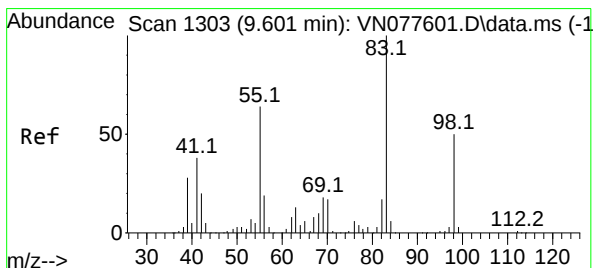
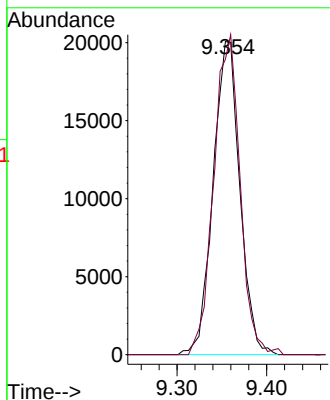
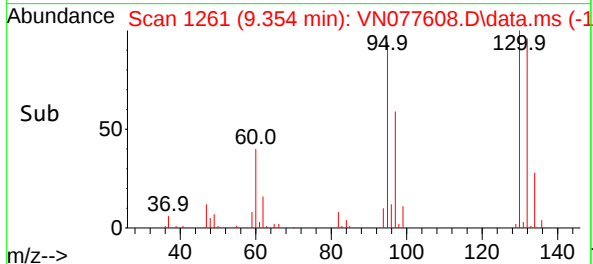
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005



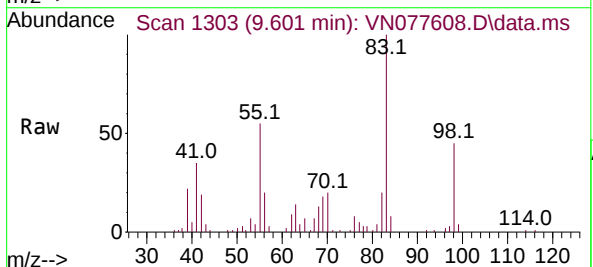
Tgt Ion:130 Resp: 41570
Ion Ratio Lower Upper
130 100
95 94.3 83.0 124.6

Manual Integrations
APPROVED

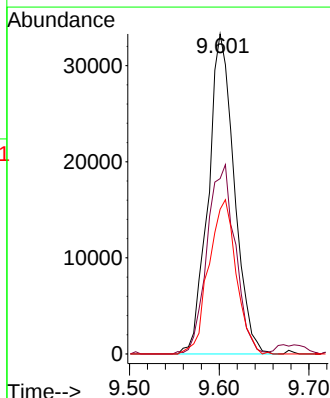
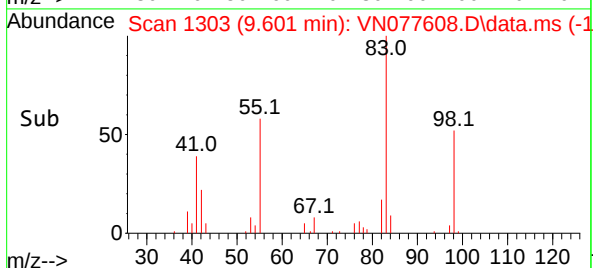
Reviewed By :John Carlone 05/09/2023
Supervised By :Mahesh Dadoda 05/09/2023

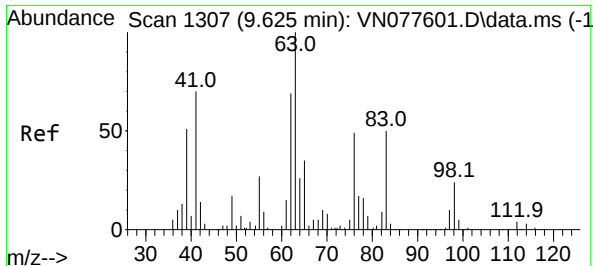


#38
Methylcyclohexane
Concen: 5.076 ug/l
RT: 9.601 min Scan# 1303
Delta R.T. -0.000 min
Lab File: VN077608.D
Acq: 08 May 2023 10:16



Tgt Ion: 83 Resp: 67155
Ion Ratio Lower Upper
83 100
55 62.8 33.6 100.8
98 50.8 25.3 75.8





#39

1,2-Dichloropropane

Concen: 5.285 ug/l

RT: 9.624 min Scan# 1307

Delta R.T. -0.001 min

Lab File: VN077608.D

Acq: 08 May 2023 10:16

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tgt Ion: 63 Resp: 3796

Ion Ratio Lower Upper

63 100

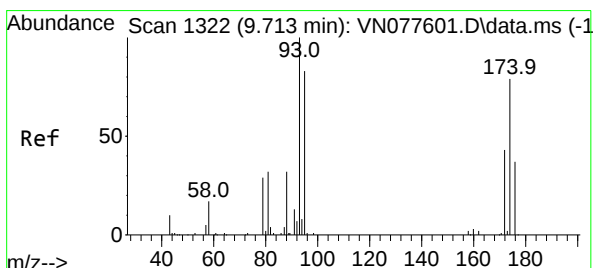
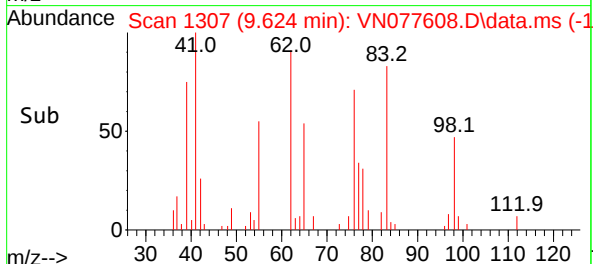
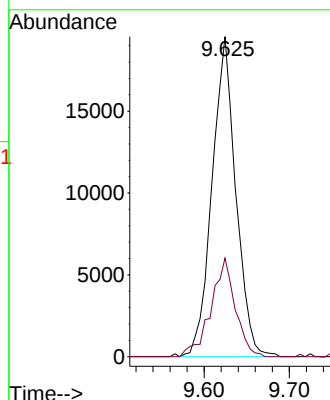
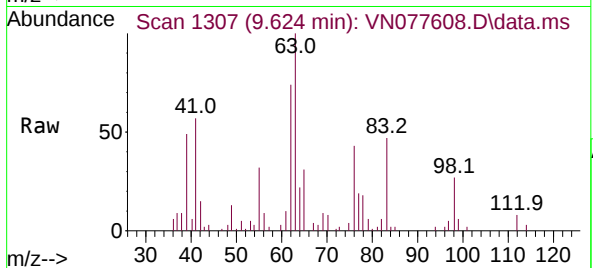
65 30.8 28.2 42.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/09/2023

Supervised By :Mahesh Dadoda 05/09/2023



#40

Dibromomethane

Concen: 5.172 ug/l

RT: 9.713 min Scan# 1322

Delta R.T. -0.000 min

Lab File: VN077608.D

Acq: 08 May 2023 10:16

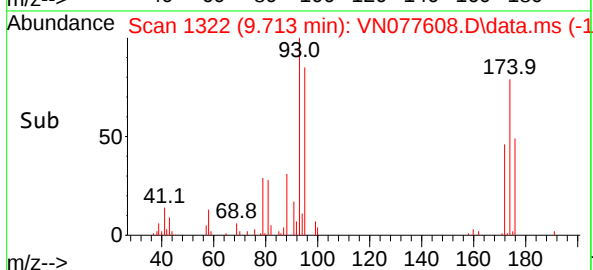
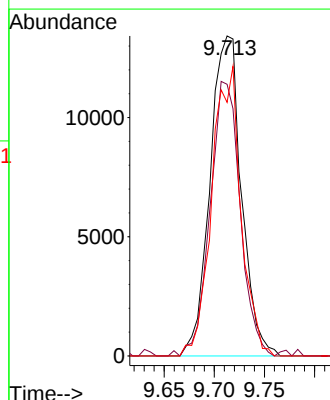
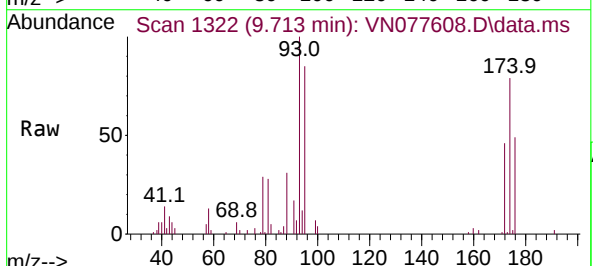
Tgt Ion: 93 Resp: 29292

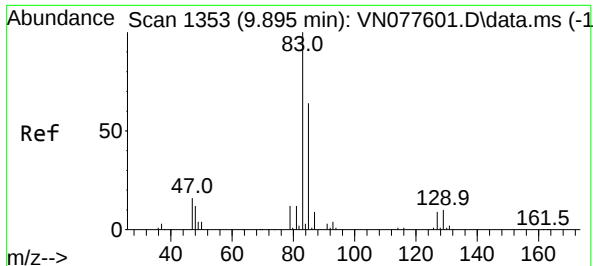
Ion Ratio Lower Upper

93 100

95 81.7 0.0 164.0

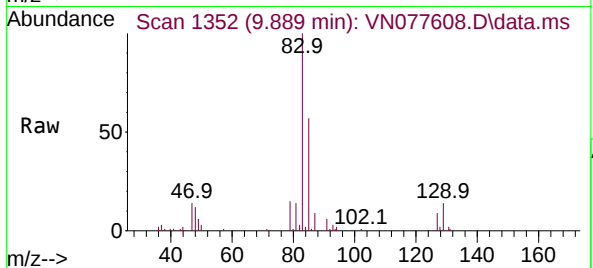
174 83.4 0.0 157.0





#41
Bromodichloromethane
Concen: 5.007 ug/l
RT: 9.889 min Scan# 11
Delta R.T. -0.006 min
Lab File: VN077608.D
Acq: 08 May 2023 10:16

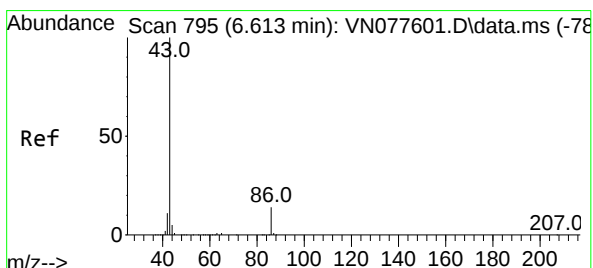
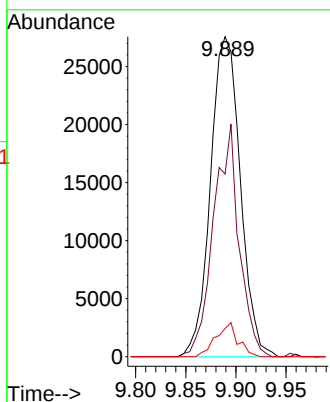
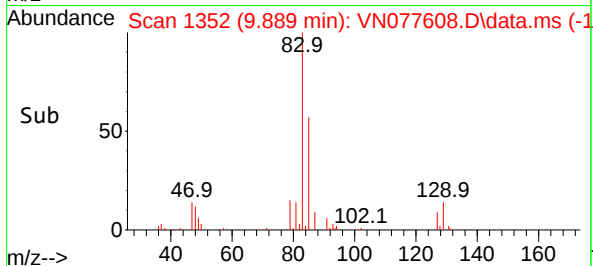
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005



Tgt Ion: 83 Resp: 57099
Ion Ratio Lower Upper
83 100
85 57.1 51.2 76.8
127 8.8 7.3 10.9

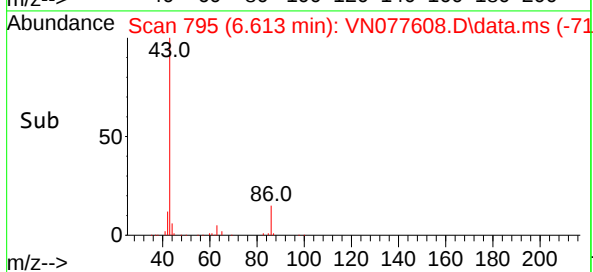
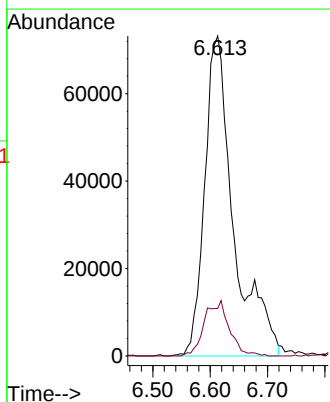
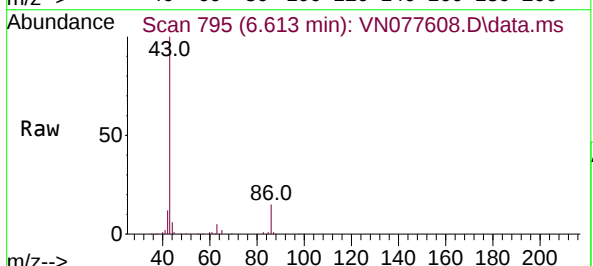
Manual Integrations
APPROVED

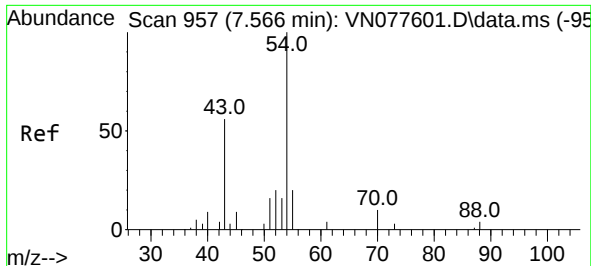
Reviewed By :John Carlone 05/09/2023
Supervised By :Mahesh Dadoda 05/09/2023



#42
Vinyl Acetate
Concen: 27.850 ug/l m
RT: 6.613 min Scan# 795
Delta R.T. -0.000 min
Lab File: VN077608.D
Acq: 08 May 2023 10:16

Tgt Ion: 43 Resp: 256303
Ion Ratio Lower Upper
43 100
86 6.9 10.3 15.5#





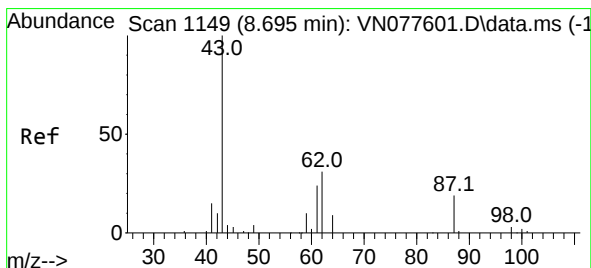
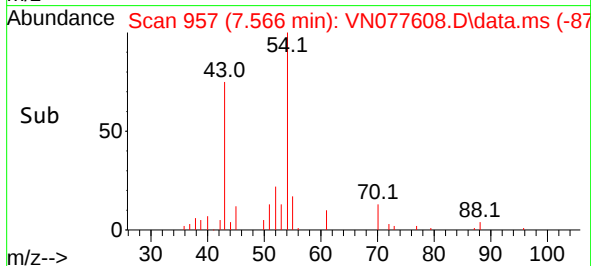
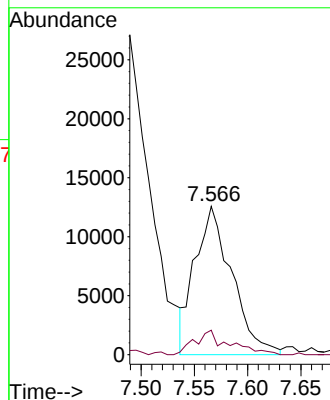
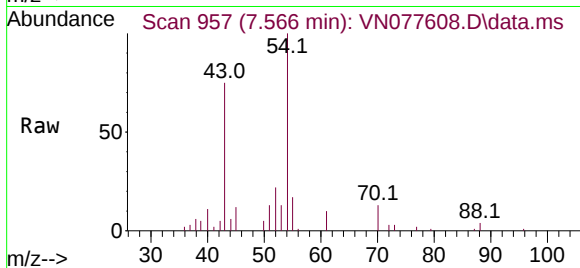
#43
Ethyl Acetate
Concen: 5.161 ug/l
RT: 7.566 min Scan# 91
Delta R.T. -0.000 min
Lab File: VN077608.D
Acq: 08 May 2023 10:16

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tgt Ion: 43 Resp: 3033
Ion Ratio Lower Upper
43 100
45 4.7 8.2 12.4

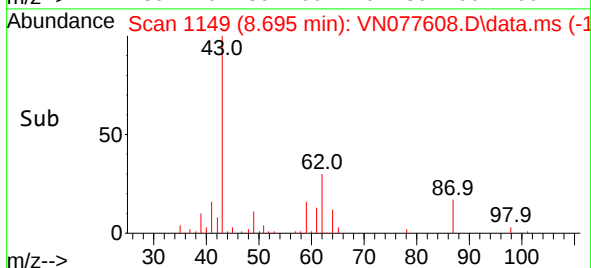
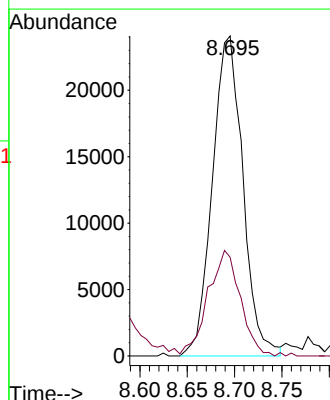
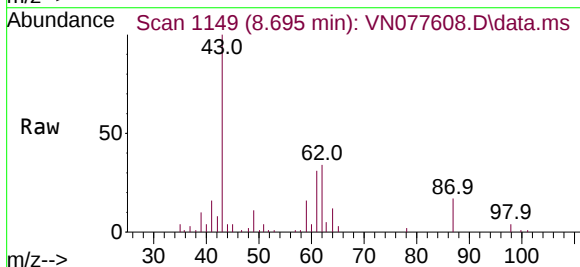
Manual Integrations
APPROVED

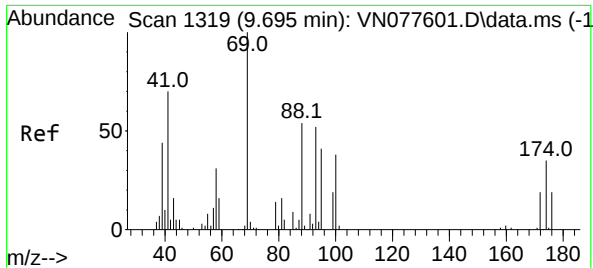
Reviewed By :John Carlone 05/09/2023
Supervised By :Mahesh Dadoda 05/09/2023



#44
Isopropyl Acetate
Concen: 5.001 ug/l
RT: 8.695 min Scan# 1149
Delta R.T. 0.000 min
Lab File: VN077608.D
Acq: 08 May 2023 10:16

Tgt Ion: 43 Resp: 53913
Ion Ratio Lower Upper
43 100
61 34.9 23.2 34.8





#45

1,4-Dioxane

Concen: 90.837 ug/l

RT: 9.701 min Scan# 1320

Delta R.T. 0.006 min

Lab File: VN077608.D

Acq: 08 May 2023 10:16

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tgt Ion: 88 Resp: 12170

Ion Ratio Lower Upper

88 100

43 20.5 18.2 27.2

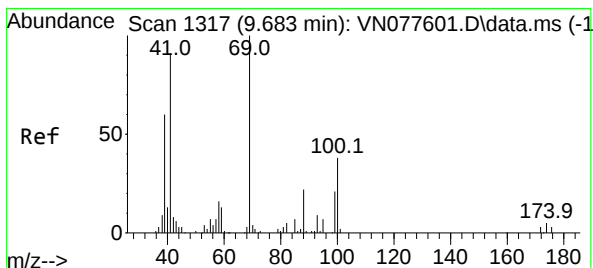
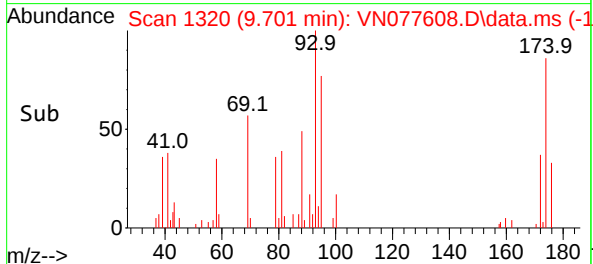
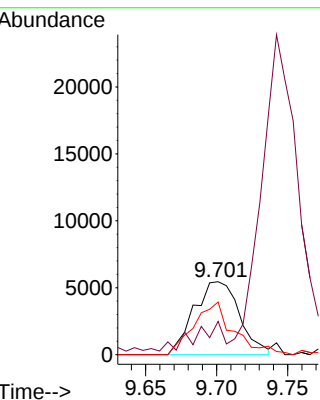
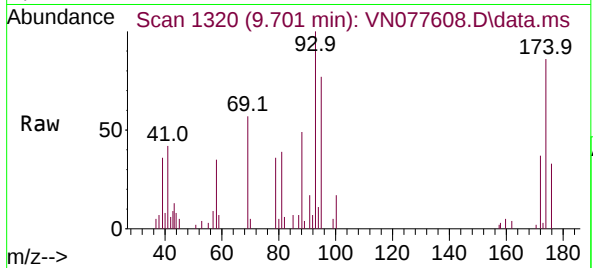
58 52.8 47.5 71.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/09/2023

Supervised By :Mahesh Dadoda 05/09/2023



#46

Methyl methacrylate

Concen: 4.997 ug/l

RT: 9.683 min Scan# 1317

Delta R.T. 0.000 min

Lab File: VN077608.D

Acq: 08 May 2023 10:16

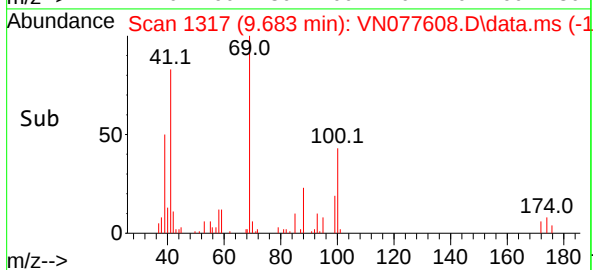
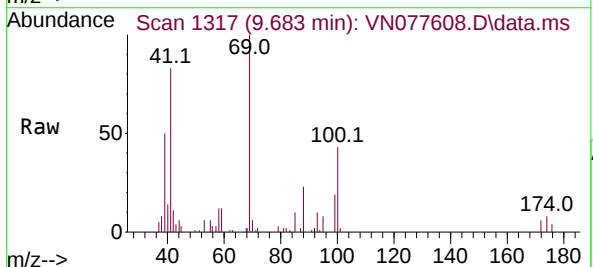
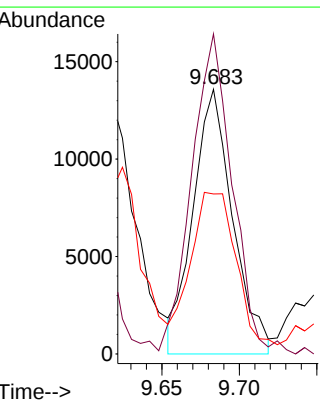
Tgt Ion: 41 Resp: 24189

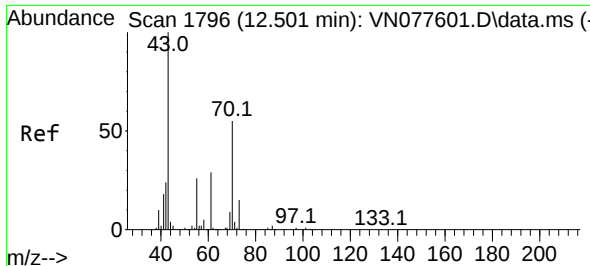
Ion Ratio Lower Upper

41 100

69 125.3 52.0 156.0

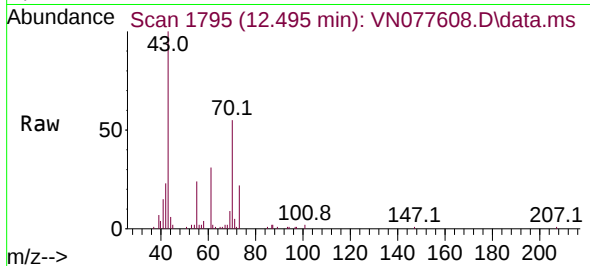
39 58.3 33.6 100.6





#47
n-amy1 Acetate
Concen: 4.607 ug/l
RT: 12.495 min Scan# 1796
Delta R.T. -0.006 min
Lab File: VN077608.D
Acq: 08 May 2023 10:16

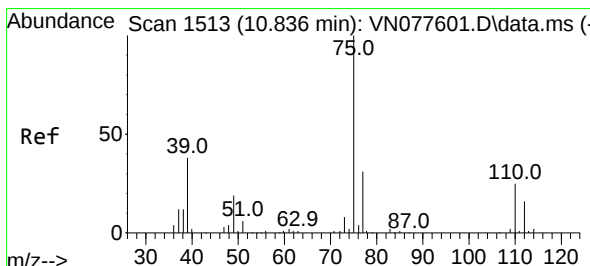
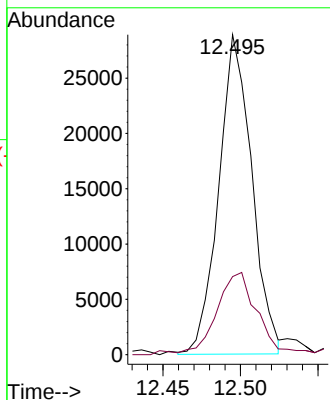
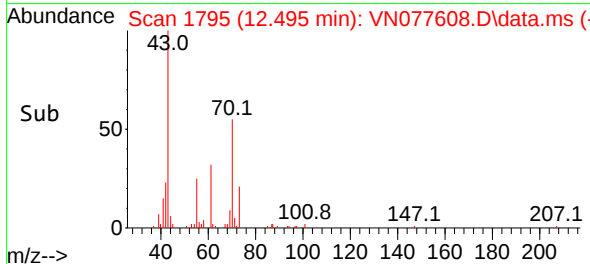
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005



Tgt Ion: 43 Resp: 4276
Ion Ratio Lower Upper
43 100
55 30.6 21.4 32.0

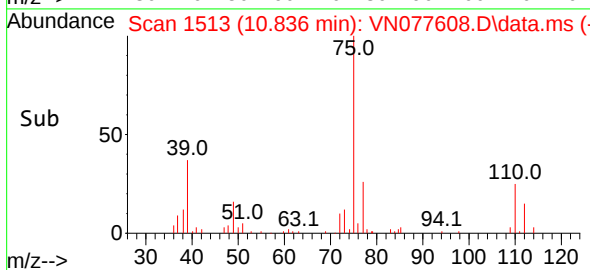
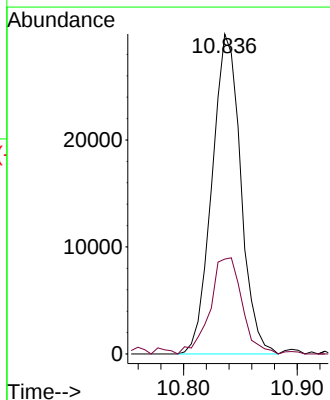
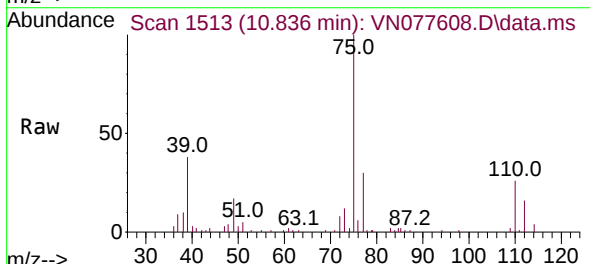
Manual Integrations
APPROVED

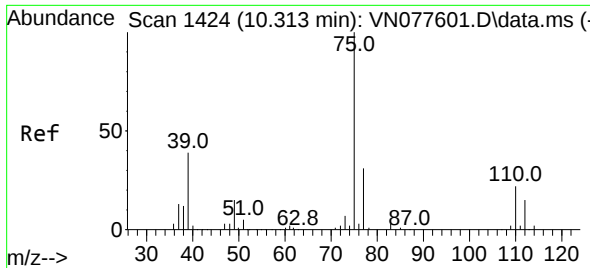
Reviewed By :John Carlone 05/09/2023
Supervised By :Mahesh Dadoda 05/09/2023



#48
t-1,3-Dichloropropene
Concen: 4.579 ug/l
RT: 10.836 min Scan# 1513
Delta R.T. 0.000 min
Lab File: VN077608.D
Acq: 08 May 2023 10:16

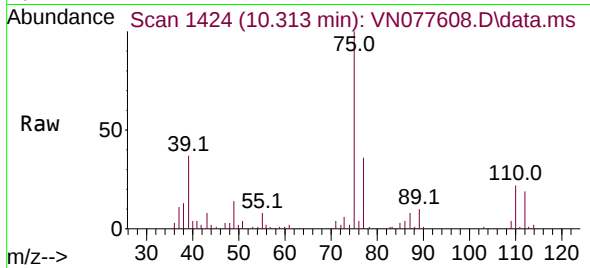
Tgt Ion: 75 Resp: 52646
Ion Ratio Lower Upper
75 100
77 29.6 25.1 37.7





#49
 cis-1,3-Dichloropropene
 Concen: 4.750 ug/l
 RT: 10.313 min Scan# 1424
 Delta R.T. -0.000 min
 Lab File: VN077608.D
 Acq: 08 May 2023 10:16

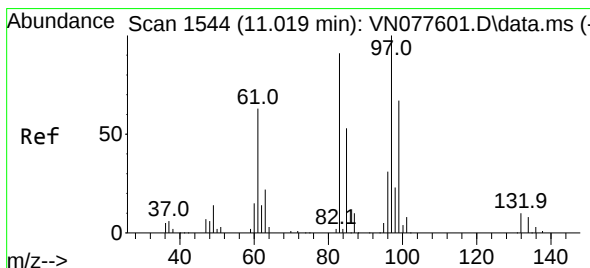
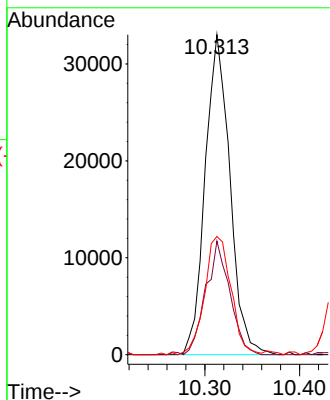
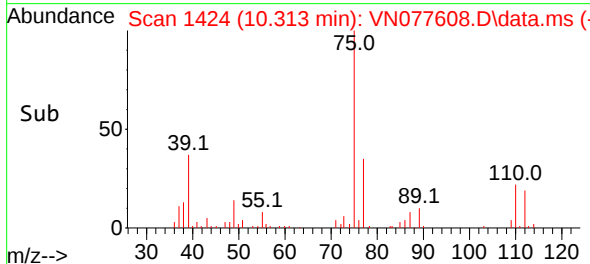
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005



Tgt Ion: 75 Resp: 59862
 Ion Ratio Lower Upper
 75 100
 77 35.5 24.7 37.1
 39 37.0 31.0 46.6

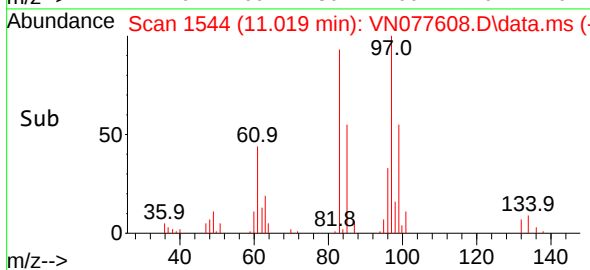
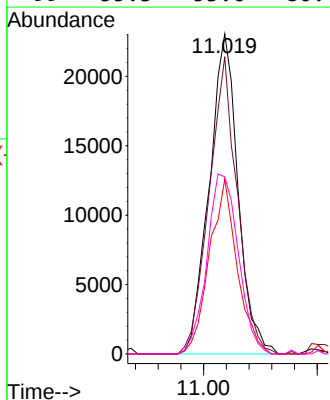
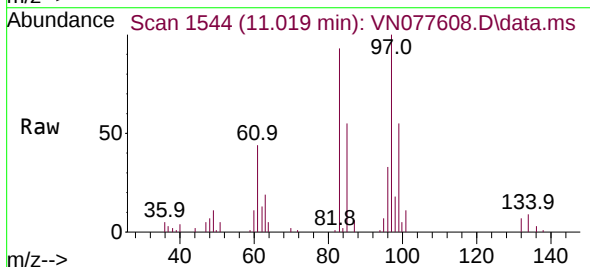
Manual Integrations
 APPROVED

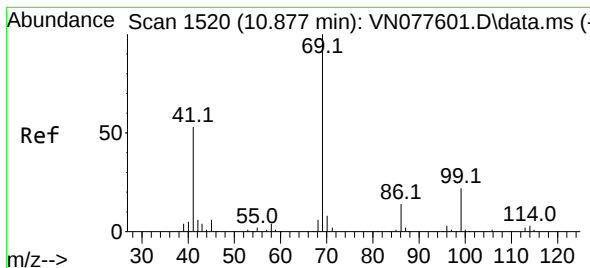
Reviewed By :John Carlone 05/09/2023
 Supervised By :Mahesh Dadoda 05/09/2023



#50
 1,1,2-Trichloroethane
 Concen: 4.972 ug/l
 RT: 11.019 min Scan# 1544
 Delta R.T. -0.000 min
 Lab File: VN077608.D
 Acq: 08 May 2023 10:16

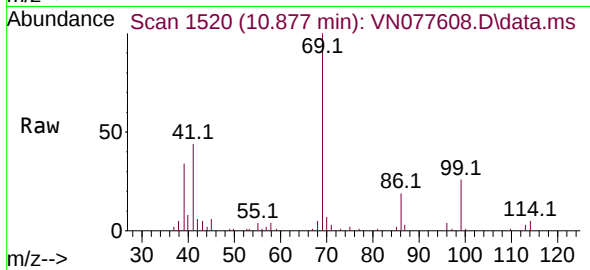
Tgt Ion: 97 Resp: 40550
 Ion Ratio Lower Upper
 97 100
 83 92.9 72.6 108.8
 85 54.7 42.6 63.8
 99 55.3 53.6 80.4





#51
Ethyl methacrylate
Concen: 4.815 ug/l
RT: 10.877 min Scan# 1520
Delta R.T. 0.000 min
Lab File: VN077608.D
Acq: 08 May 2023 10:16

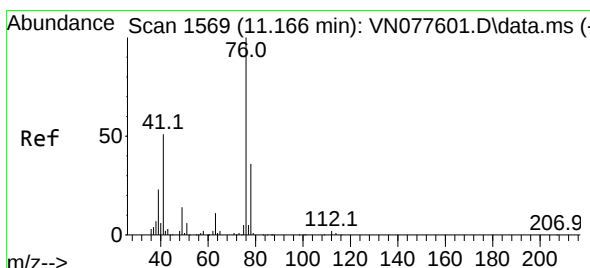
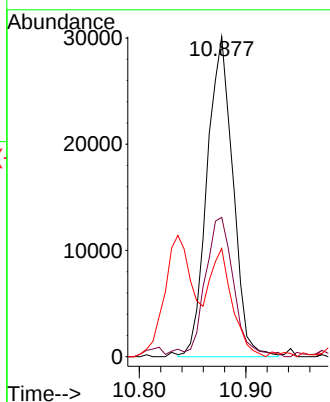
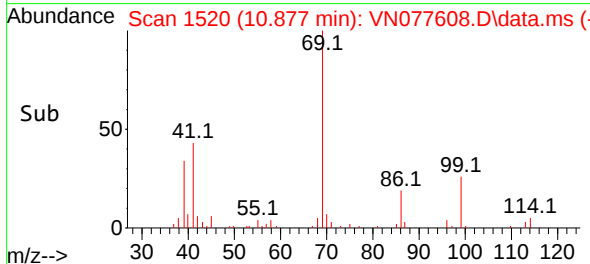
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005



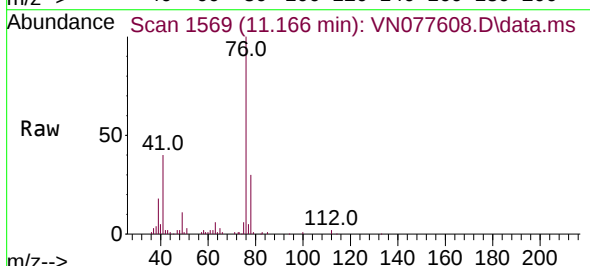
Tgt Ion: 69 Resp: 5069
Ion Ratio Lower Upper
69 100
41 42.4 26.3 78.9
39 33.2 18.1 54.1

Manual Integrations
APPROVED

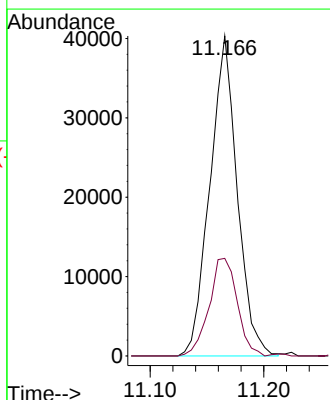
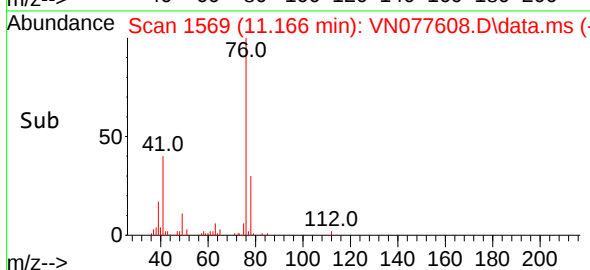
Reviewed By :John Carlone 05/09/2023
Supervised By :Mahesh Dadoda 05/09/2023

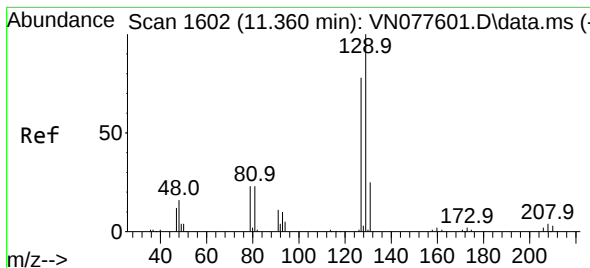


#52
1,3-Dichloropropane
Concen: 5.114 ug/l
RT: 11.166 min Scan# 1569
Delta R.T. -0.000 min
Lab File: VN077608.D
Acq: 08 May 2023 10:16



Tgt Ion: 76 Resp: 67439
Ion Ratio Lower Upper
76 100
78 31.3 0.0 66.4





#53

Dibromochloromethane

Concen: 4.698 ug/l

RT: 11.360 min Scan# 1

Delta R.T. -0.000 min

Lab File: VN077608.D

Acq: 08 May 2023 10:16

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tgt Ion:129 Resp: 3986

Ion Ratio Lower Upper

129 100

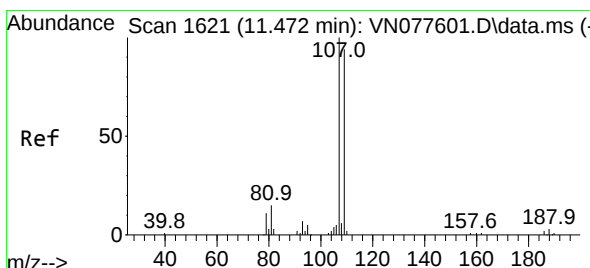
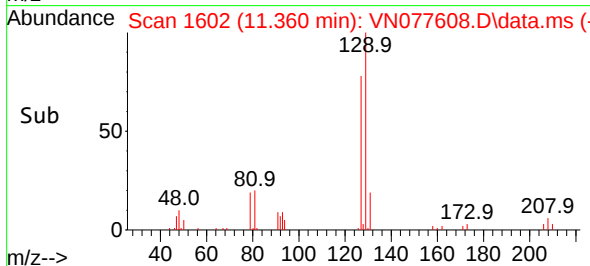
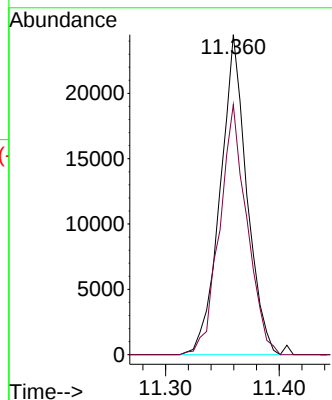
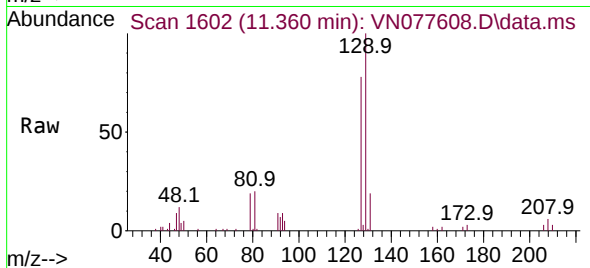
127 80.2 39.4 118.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/09/2023

Supervised By :Mahesh Dadoda 05/09/2023



#54

1,2-Dibromoethane

Concen: 4.866 ug/l

RT: 11.466 min Scan# 1620

Delta R.T. -0.006 min

Lab File: VN077608.D

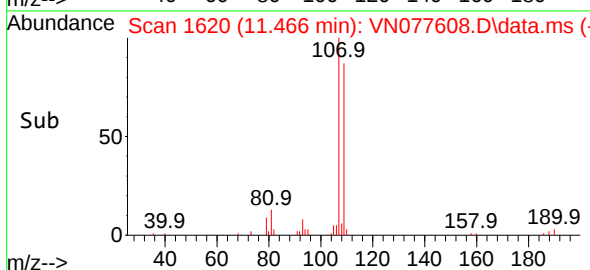
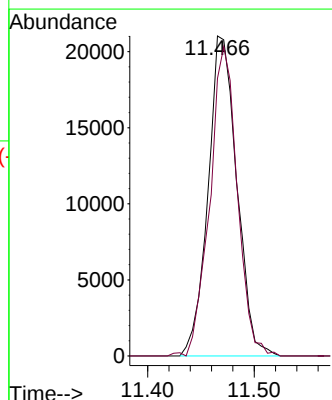
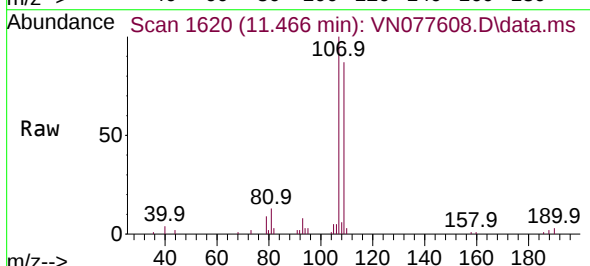
Acq: 08 May 2023 10:16

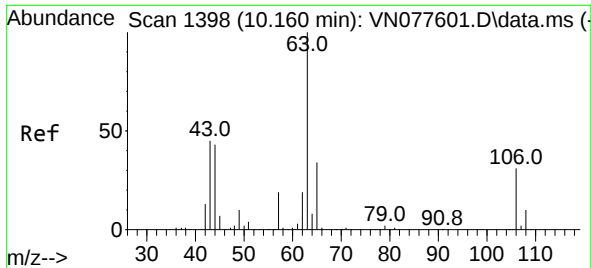
Tgt Ion:107 Resp: 39423

Ion Ratio Lower Upper

107 100

109 92.1 77.4 116.2





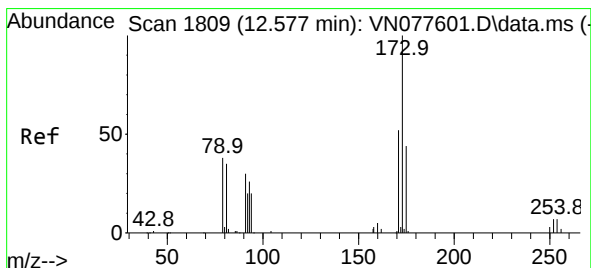
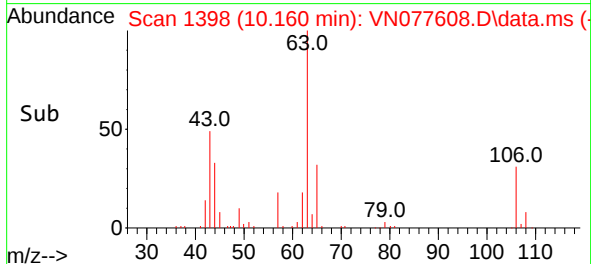
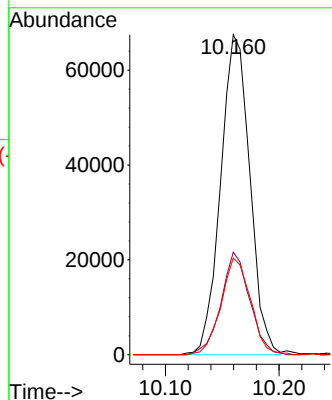
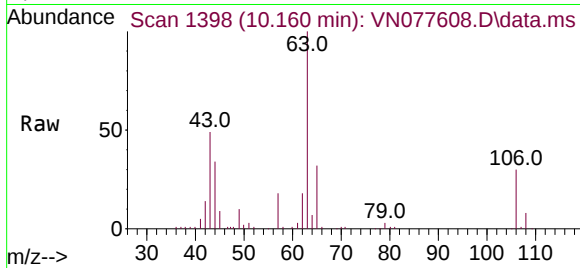
#55
2-Chloroethyl vinyl ether
Concen: 25.310 ug/l
RT: 10.160 min Scan# 1398
Delta R.T. -0.000 min
Lab File: VN077608.D
Acq: 08 May 2023 10:16

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tgt Ion: 63 Resp: 12050
Ion Ratio Lower Upper
63 100
65 31.4 26.8 40.2
106 30.4 25.6 38.4

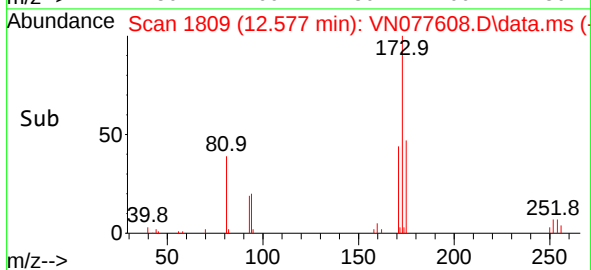
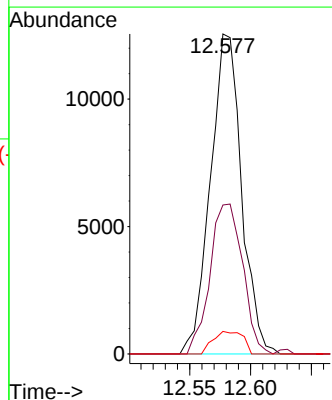
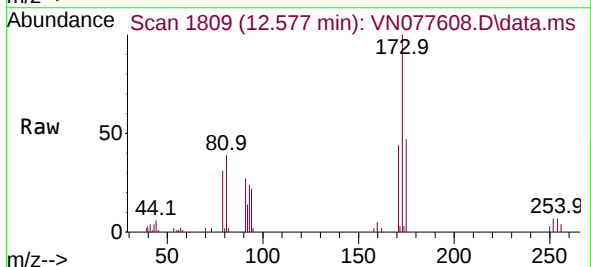
Manual Integrations
APPROVED

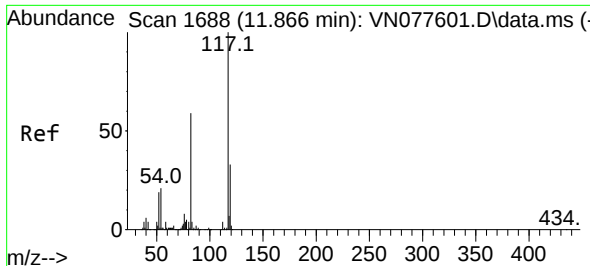
Reviewed By :John Carlone 05/09/2023
Supervised By :Mahesh Dadoda 05/09/2023



#56
Bromoform
Concen: 4.471 ug/l
RT: 12.577 min Scan# 1809
Delta R.T. 0.000 min
Lab File: VN077608.D
Acq: 08 May 2023 10:16

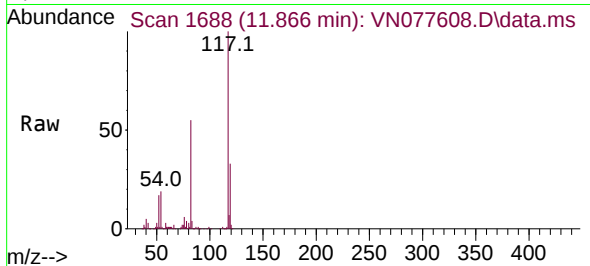
Tgt Ion:173 Resp: 22323
Ion Ratio Lower Upper
173 100
175 49.2 39.4 59.2
254 6.8 5.8 8.6





#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.866 min Scan# 1688
Delta R.T. -0.000 min
Lab File: VN077608.D
Acq: 08 May 2023 10:16

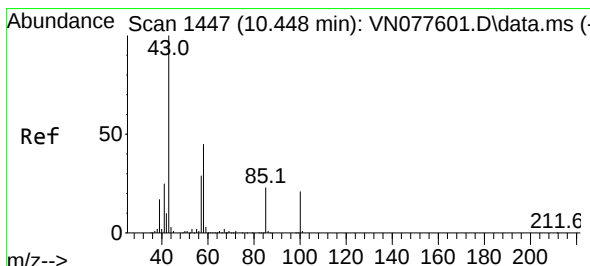
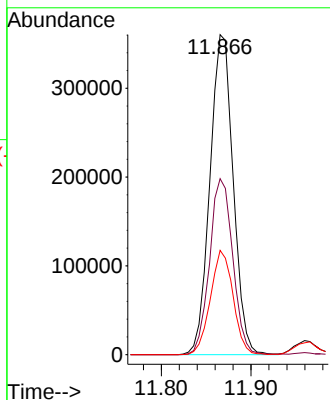
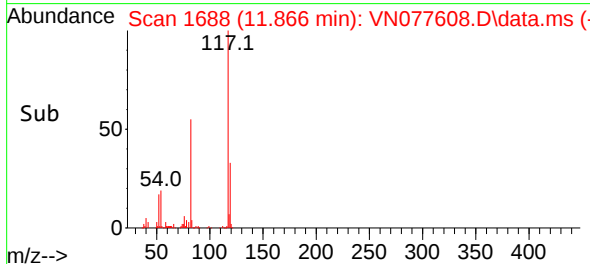
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005



Tgt Ion:117 Resp: 649720
Ion Ratio Lower Upper
117 100
82 54.8 47.4 71.2
119 31.8 26.6 39.8

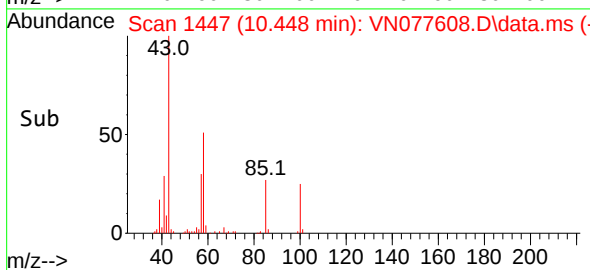
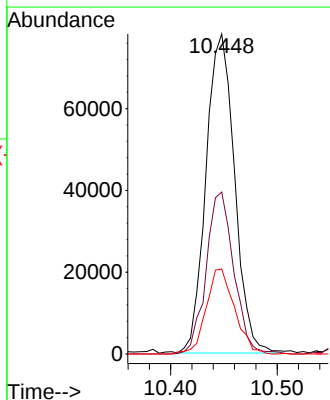
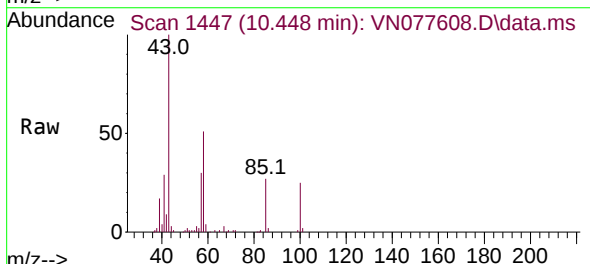
Manual Integrations
APPROVED

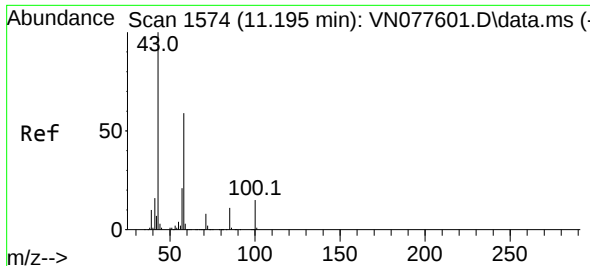
Reviewed By :John Carlone 05/09/2023
Supervised By :Mahesh Dadoda 05/09/2023



#58
4-Methyl-2-Pentanone
Concen: 24.313 ug/l
RT: 10.448 min Scan# 1447
Delta R.T. -0.000 min
Lab File: VN077608.D
Acq: 08 May 2023 10:16

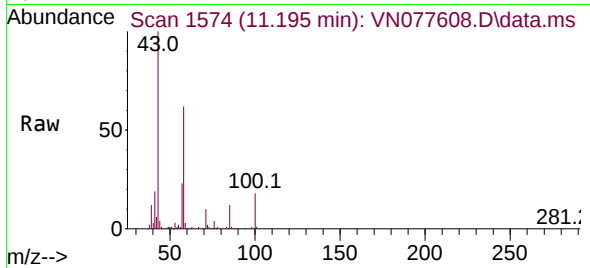
Tgt Ion: 43 Resp: 145468
Ion Ratio Lower Upper
43 100
58 49.0 35.4 53.2
85 26.5 18.2 27.2





#59
2-Hexanone
Concen: 24.966 ug/l
RT: 11.195 min Scan# 111
Delta R.T. -0.000 min
Lab File: VN077608.D
Acq: 08 May 2023 10:16

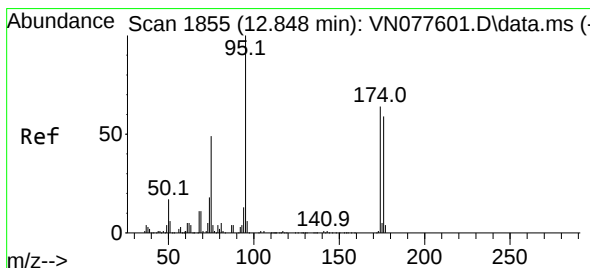
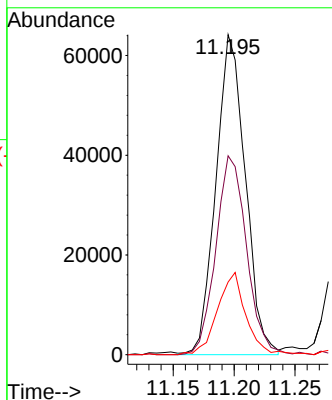
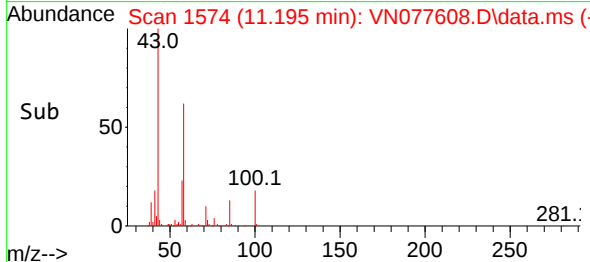
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005



Tgt Ion: 43 Resp: 107829
Ion Ratio Lower Upper
43 100
58 64.9 48.2 72.2
57 24.3 17.3 25.9

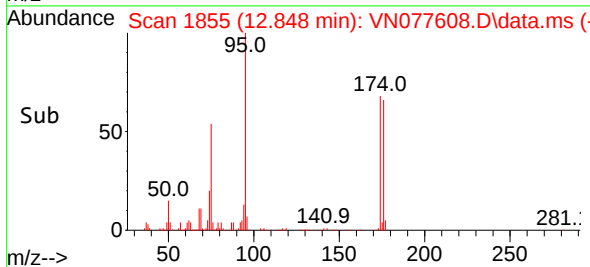
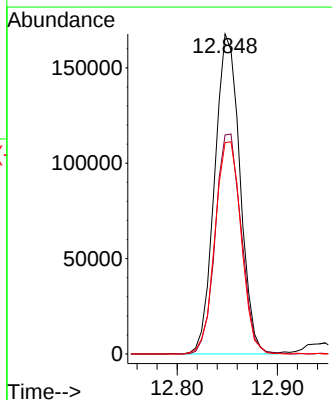
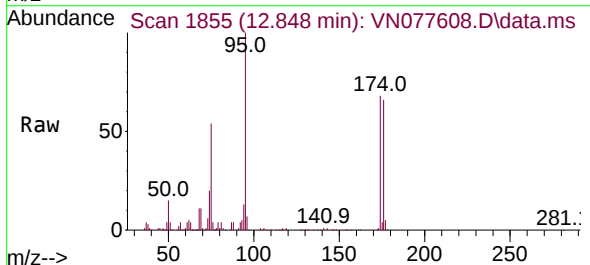
Manual Integrations
APPROVED

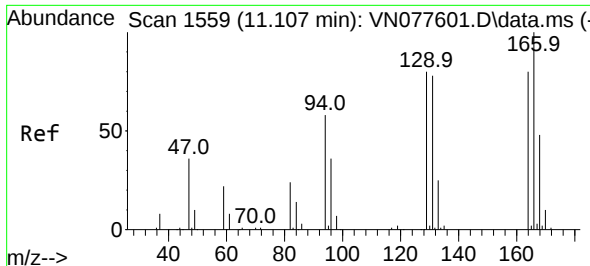
Reviewed By :John Carlone 05/09/2023
Supervised By :Mahesh Dadoda 05/09/2023



#60
4-Bromofluorobenzene
Concen: 28.415 ug/l
RT: 12.848 min Scan# 1855
Delta R.T. -0.000 min
Lab File: VN077608.D
Acq: 08 May 2023 10:16

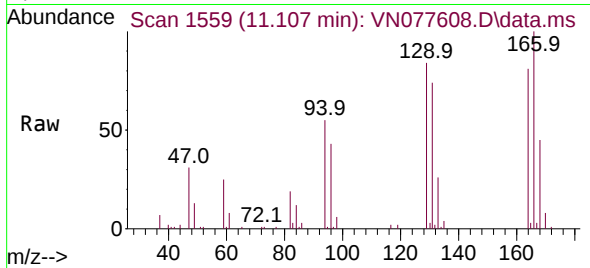
Tgt Ion: 95 Resp: 293559
Ion Ratio Lower Upper
95 100
174 70.3 53.4 80.0
176 68.6 50.0 75.0





#61
Tetrachloroethene
Concen: 5.147 ug/l
RT: 11.107 min Scan# 1559
Delta R.T. -0.000 min
Lab File: VN077608.D
Acq: 08 May 2023 10:16

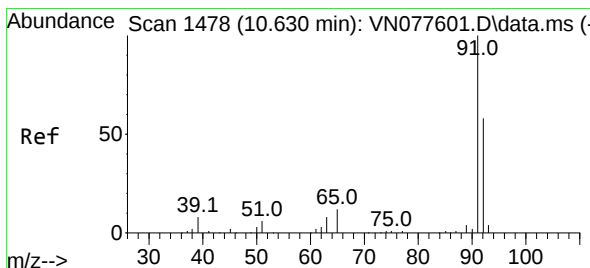
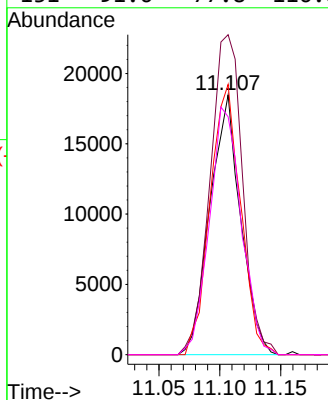
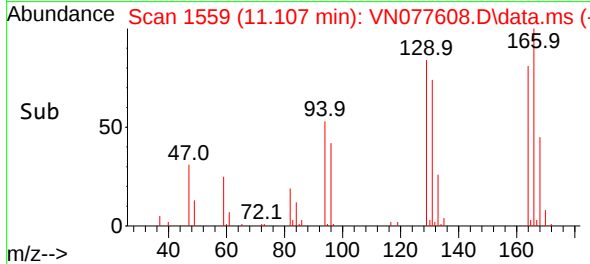
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005



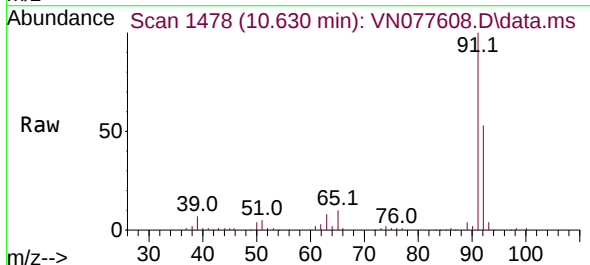
Tgt Ion:164 Resp: 32348
Ion Ratio Lower Upper
164 100
166 123.2 100.5 150.7
129 104.0 80.6 120.8
131 91.6 77.8 116.8

Manual Integrations
APPROVED

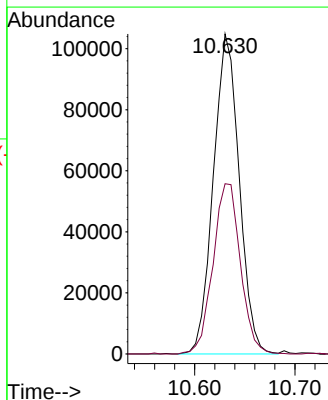
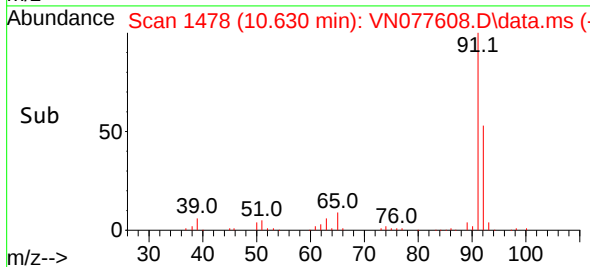
Reviewed By :John Carlone 05/09/2023
Supervised By :Mahesh Dadoda 05/09/2023

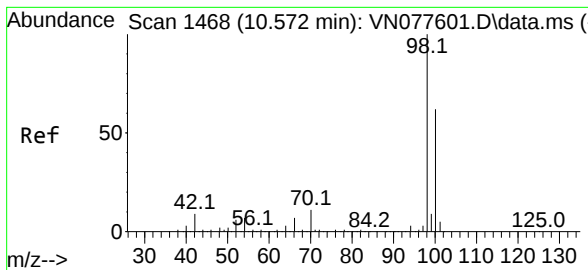


#62
Toluene
Concen: 5.214 ug/l
RT: 10.630 min Scan# 1478
Delta R.T. 0.000 min
Lab File: VN077608.D
Acq: 08 May 2023 10:16



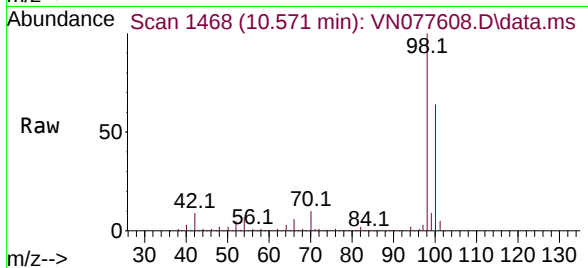
Tgt Ion: 91 Resp: 187549
Ion Ratio Lower Upper
91 100
92 56.5 47.0 70.6





#63
Toluene-d8
Concen: 30.330 ug/l
RT: 10.571 min Scan# 1468
Delta R.T. -0.001 min
Lab File: VN077608.D
Acq: 08 May 2023 10:16

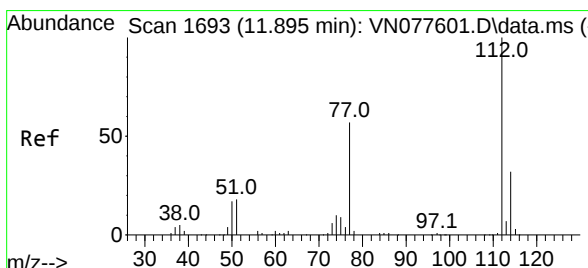
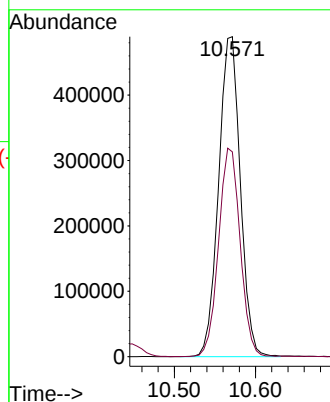
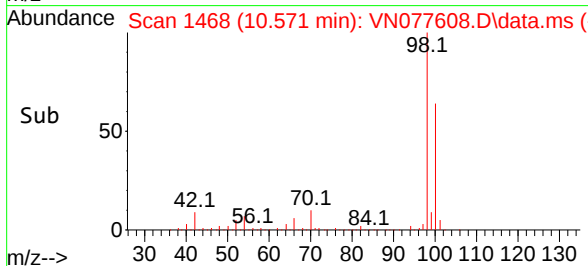
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005



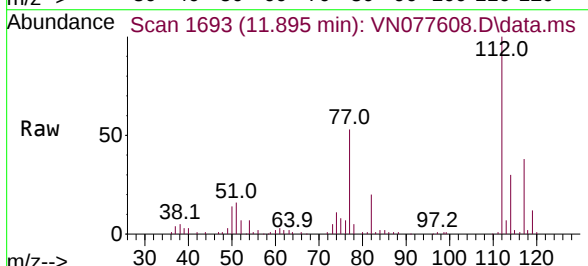
Tgt Ion: 98 Resp: 91017
Ion Ratio Lower Upper
98 100
100 64.7 52.1 78.1

Manual Integrations
APPROVED

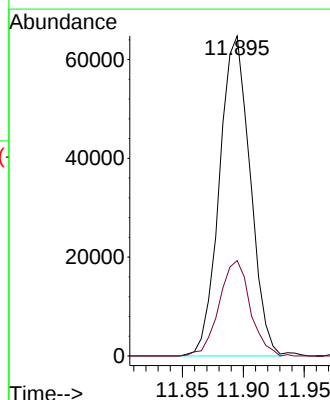
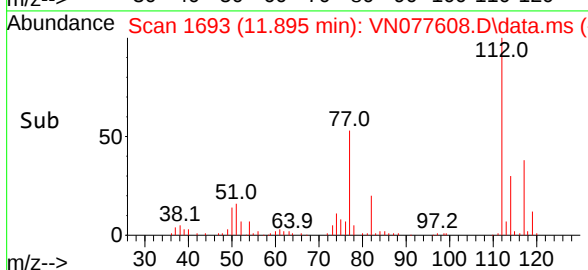
Reviewed By :John Carlone 05/09/2023
Supervised By :Mahesh Dadoda 05/09/2023

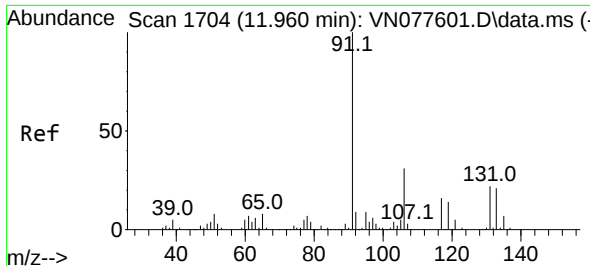


#64
Chlorobenzene
Concen: 5.138 ug/l
RT: 11.895 min Scan# 1693
Delta R.T. -0.000 min
Lab File: VN077608.D
Acq: 08 May 2023 10:16



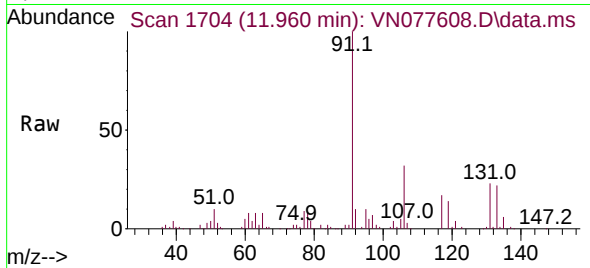
Tgt Ion:112 Resp: 113670
Ion Ratio Lower Upper
112 100
114 29.8 25.8 38.8





#65
1,1,1,2-Tetrachloroethane
Concen: 4.888 ug/l
RT: 11.960 min Scan# 1704
Delta R.T. -0.000 min
Lab File: VN077608.D
Acq: 08 May 2023 10:16

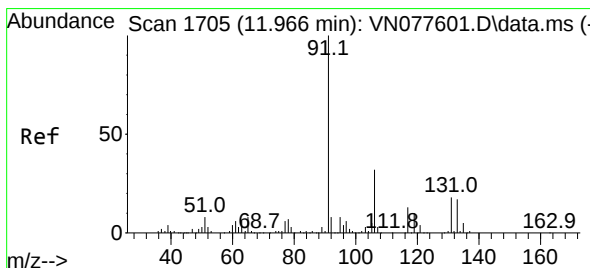
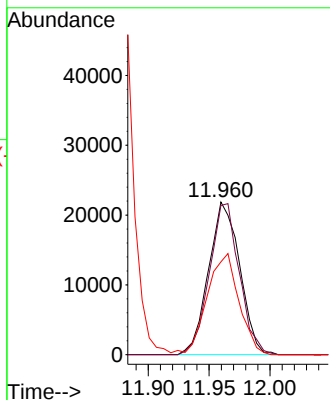
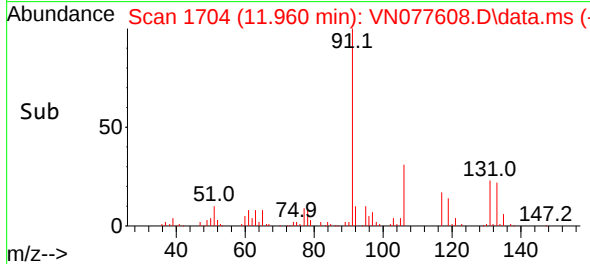
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005



Tgt Ion:131 Resp: 3900
Ion Ratio Lower Upper
131 100
133 95.0 0.0 181.2
119 66.7 0.0 125.0

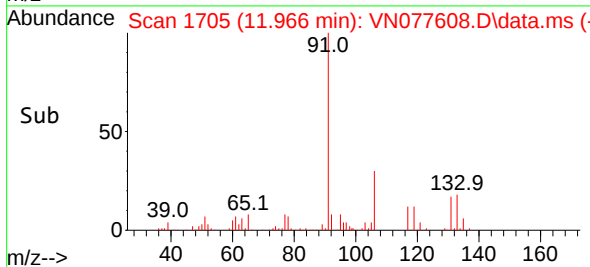
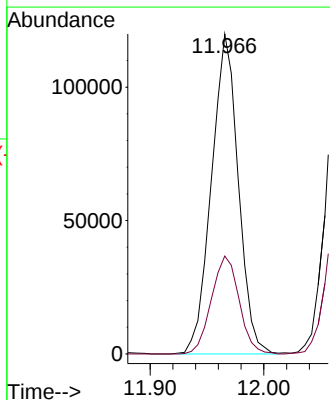
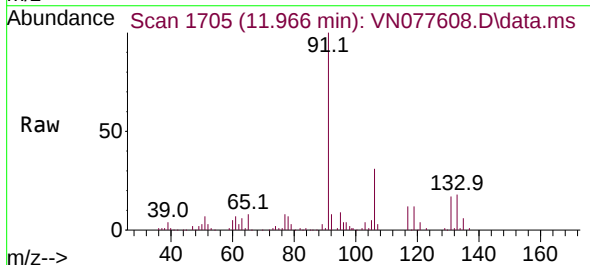
Manual Integrations
APPROVED

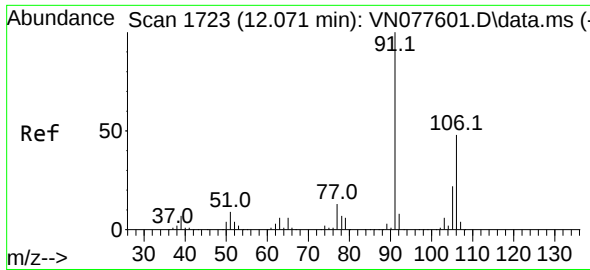
Reviewed By :John Carlone 05/09/2023
Supervised By :Mahesh Dadoda 05/09/2023



#66
Ethyl Benzene
Concen: 4.941 ug/l
RT: 11.966 min Scan# 1705
Delta R.T. -0.000 min
Lab File: VN077608.D
Acq: 08 May 2023 10:16

Tgt Ion: 91 Resp: 196942
Ion Ratio Lower Upper
91 100
106 30.7 25.7 38.5





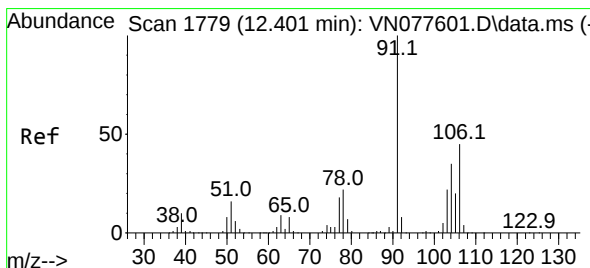
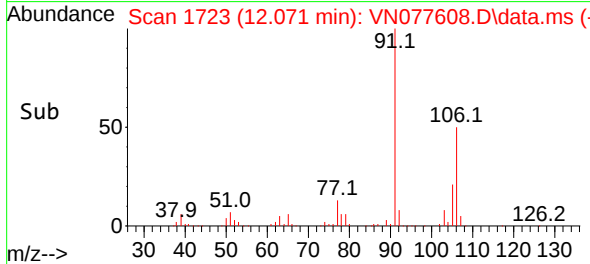
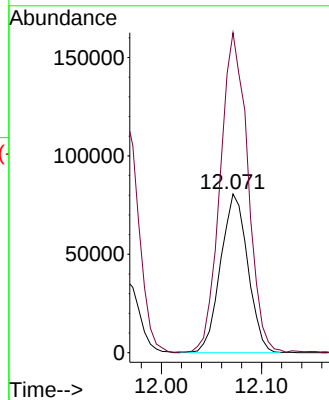
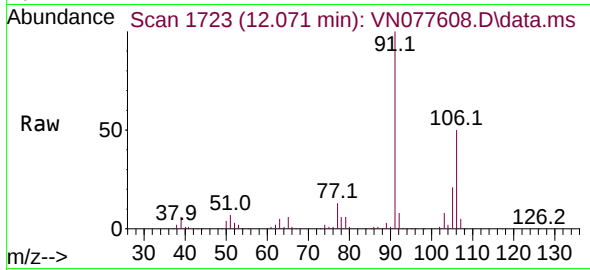
#67
m/p-Xylenes
Concen: 9.700 ug/l
RT: 12.071 min Scan# 1723
Delta R.T. 0.000 min
Lab File: VN077608.D
Acq: 08 May 2023 10:16

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tgt Ion:106 Resp: 152100
Ion Ratio Lower Upper
106 100
91 204.3 162.6 244.0

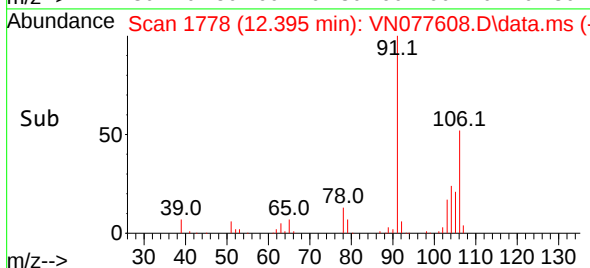
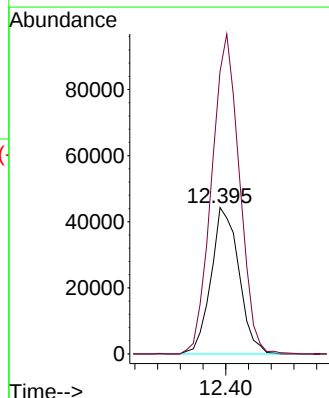
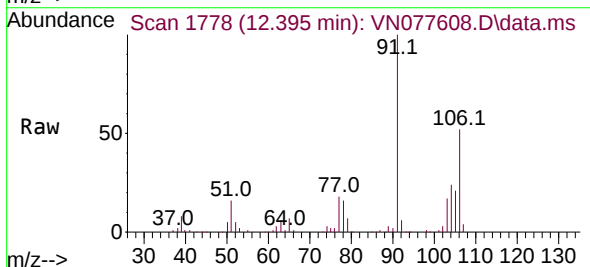
Manual Integrations
APPROVED

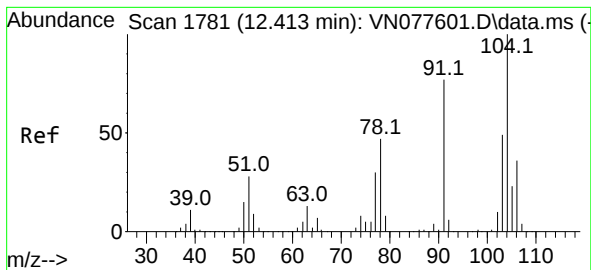
Reviewed By :John Carlone 05/09/2023
Supervised By :Mahesh Dadoda 05/09/2023



#68
o-Xylene
Concen: 4.882 ug/l
RT: 12.395 min Scan# 1778
Delta R.T. -0.006 min
Lab File: VN077608.D
Acq: 08 May 2023 10:16

Tgt Ion:106 Resp: 75440
Ion Ratio Lower Upper
106 100
91 217.7 109.5 328.4





#69

Styrene

Concen: 4.651 ug/l

RT: 12.413 min Scan# 11492

Delta R.T. -0.000 min

Lab File: VN077608.D

Acq: 08 May 2023 10:16

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC005

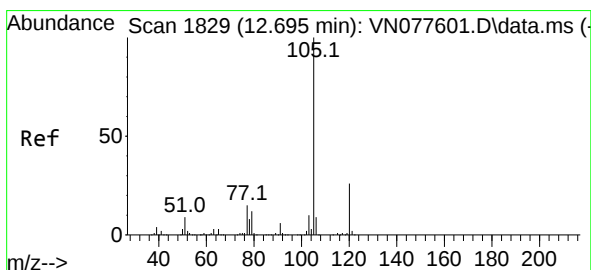
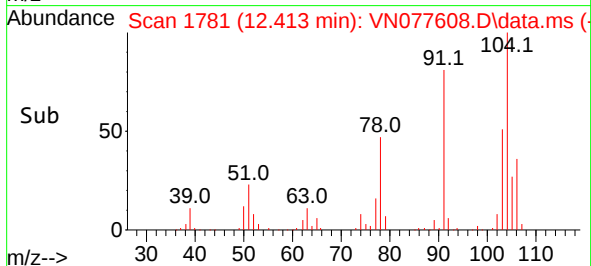
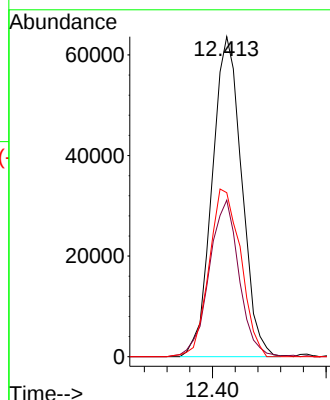
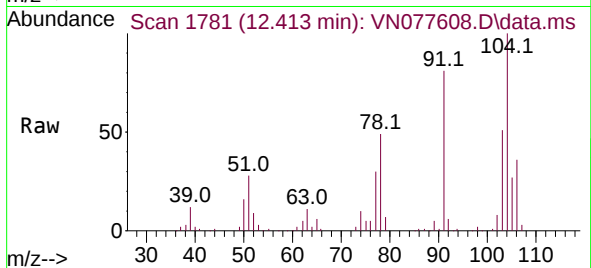
Tgt Ion:104	Resp: 11492
Ion Ratio	Lower Upper
104 100	
78 49.3	41.3 61.9
103 56.1	44.0 66.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/09/2023

Supervised By :Mahesh Dadoda 05/09/2023



#70

Isopropylbenzene

Concen: 4.969 ug/l

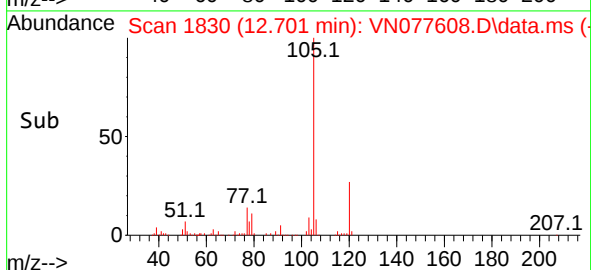
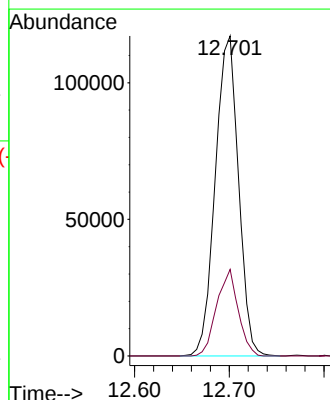
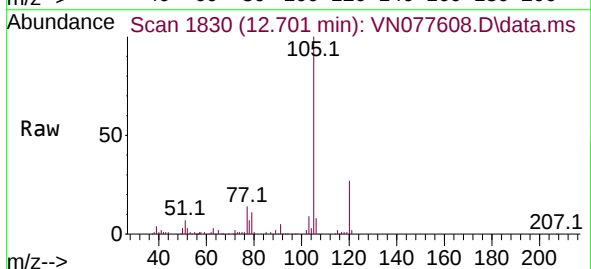
RT: 12.701 min Scan# 1830

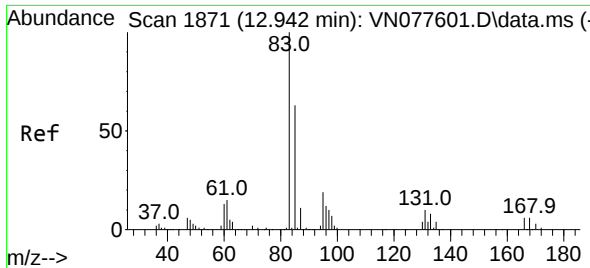
Delta R.T. 0.006 min

Lab File: VN077608.D

Acq: 08 May 2023 10:16

Tgt Ion:105	Resp: 199462
Ion Ratio	Lower Upper
105 100	
120 25.1	18.5 34.3





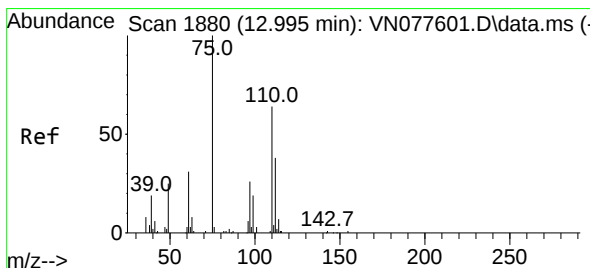
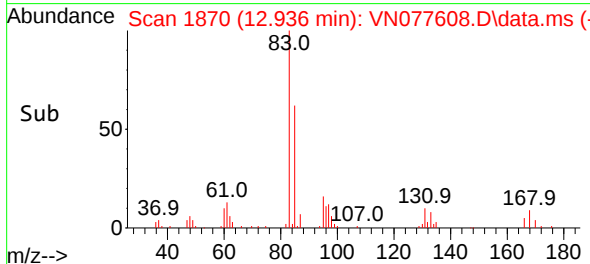
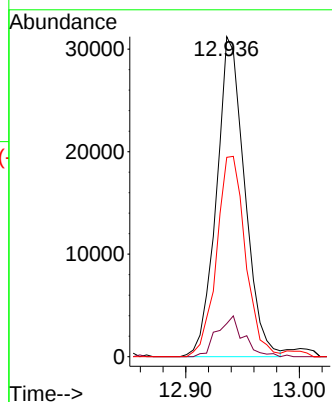
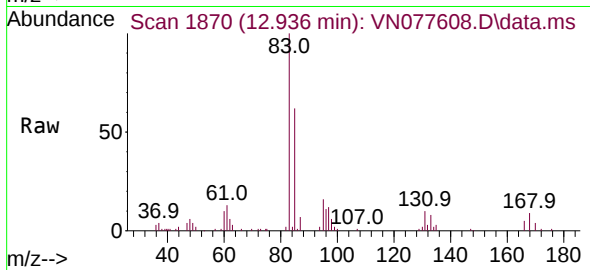
#71
1,1,2,2-Tetrachloroethane
Concen: 5.011 ug/l
RT: 12.936 min Scan# 1870
Delta R.T. -0.006 min
Lab File: VN077608.D
Acq: 08 May 2023 10:16

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tgt Ion: 83 Resp: 53938
Ion Ratio Lower Upper
83 100
131 12.0 4.8 14.3
85 63.9 33.4 100.2

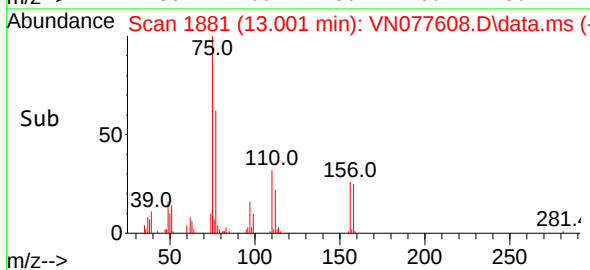
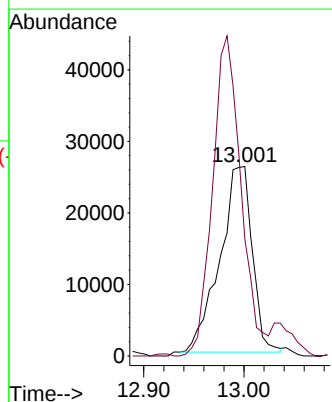
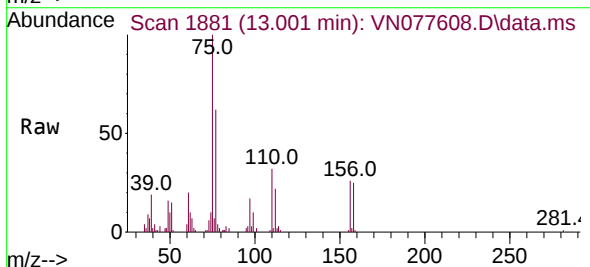
Manual Integrations
APPROVED

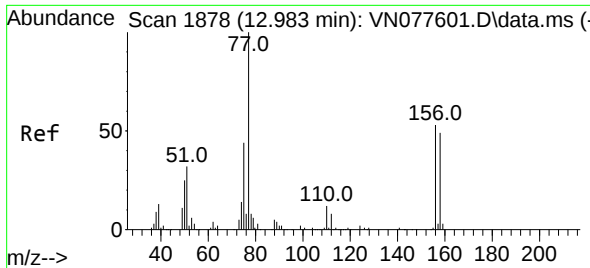
Reviewed By :John Carlone 05/09/2023
Supervised By :Mahesh Dadoda 05/09/2023



#72
1,2,3-Trichloropropane
Concen: 6.188 ug/l
RT: 13.001 min Scan# 1881
Delta R.T. 0.006 min
Lab File: VN077608.D
Acq: 08 May 2023 10:16

Tgt Ion: 75 Resp: 58328
Ion Ratio Lower Upper
75 100
77 151.5 0.0 354.6





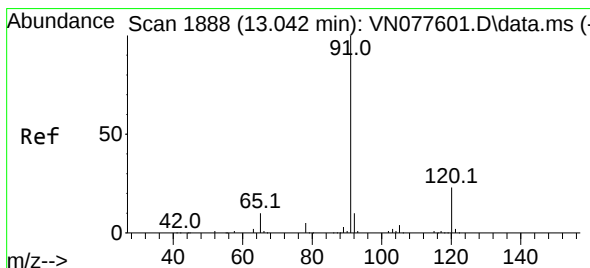
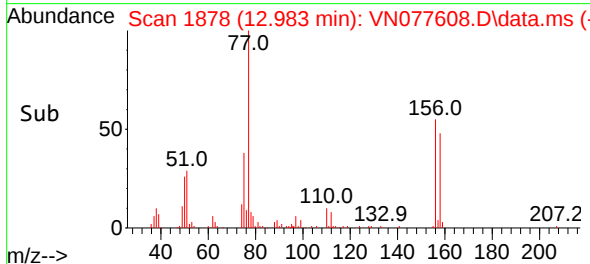
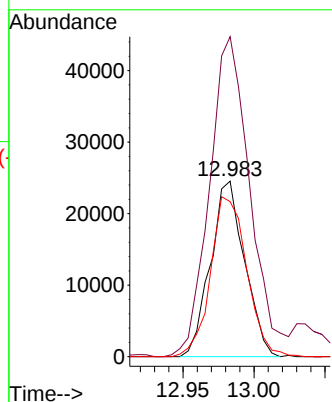
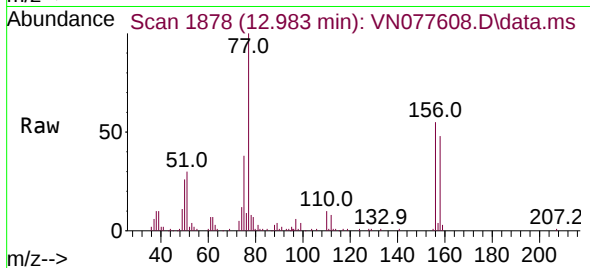
#73
Bromobenzene
Concen: 4.877 ug/l
RT: 12.983 min Scan# 1878
Delta R.T. 0.000 min
Lab File: VN077608.D
Acq: 08 May 2023 10:16

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tgt Ion:156 Resp: 40930
Ion Ratio Lower Upper
156 100
77 215.8 0.0 466.4
158 96.8 0.0 196.2

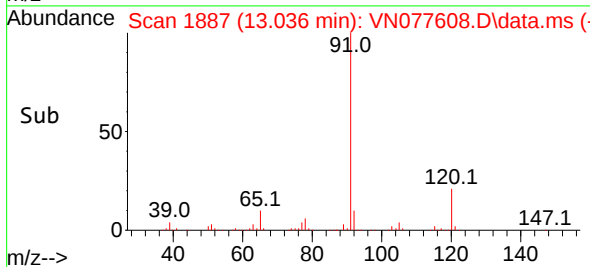
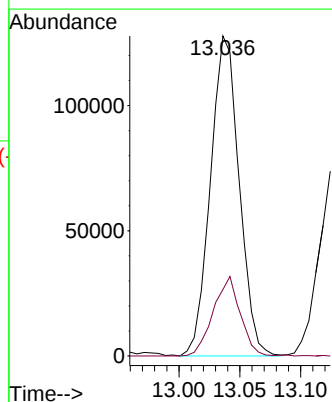
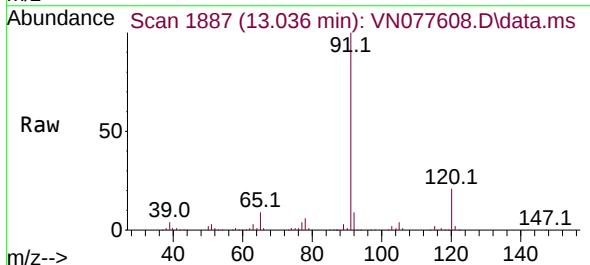
Manual Integrations
APPROVED

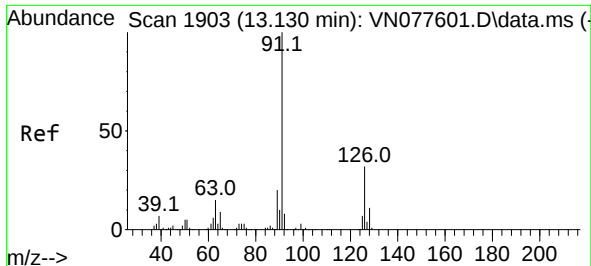
Reviewed By :John Carlone 05/09/2023
Supervised By :Mahesh Dadoda 05/09/2023



#74
n-propylbenzene
Concen: 4.678 ug/l
RT: 13.036 min Scan# 1887
Delta R.T. -0.006 min
Lab File: VN077608.D
Acq: 08 May 2023 10:16

Tgt Ion: 91 Resp: 209939
Ion Ratio Lower Upper
91 100
120 23.2 0.0 45.6





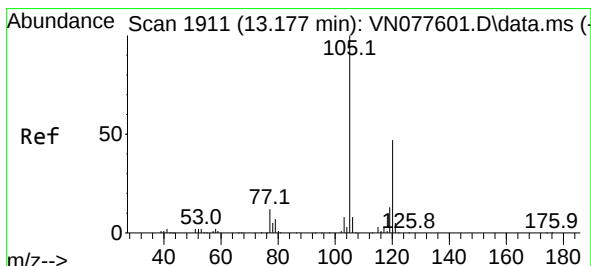
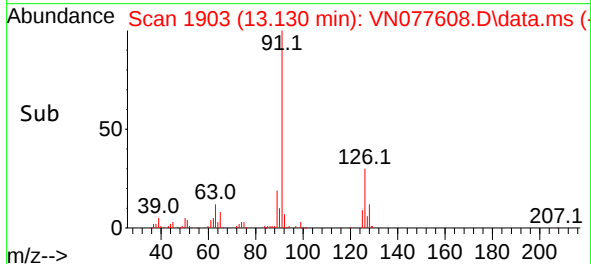
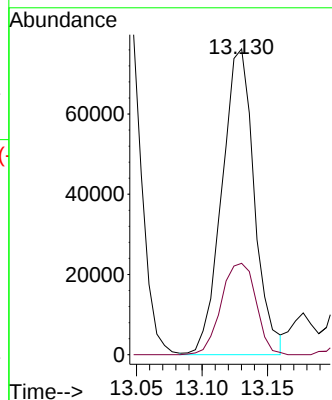
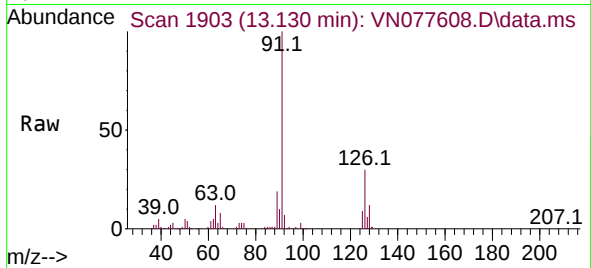
#75
2-Chlorotoluene
Concen: 4.831 ug/l
RT: 13.130 min Scan# 1903
Delta R.T. 0.000 min
Lab File: VN077608.D
Acq: 08 May 2023 10:16

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tgt Ion: 91 Resp: 13113
Ion Ratio Lower Upper
91 100
126 32.0 0.0 65.0

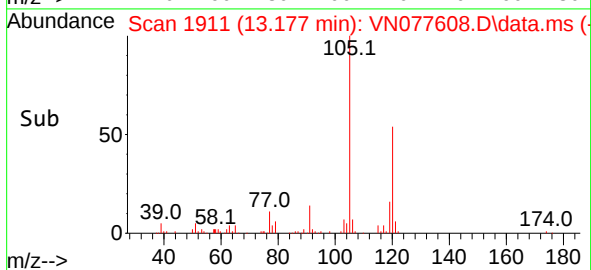
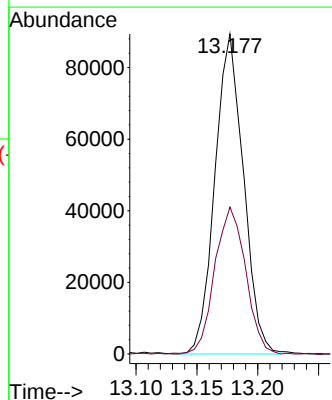
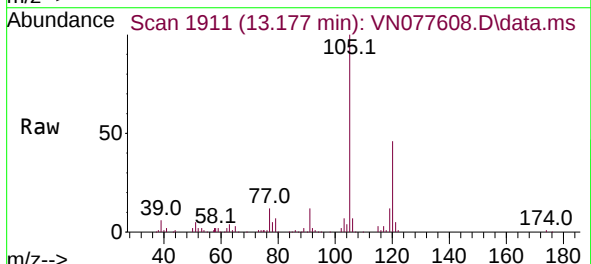
Manual Integrations
APPROVED

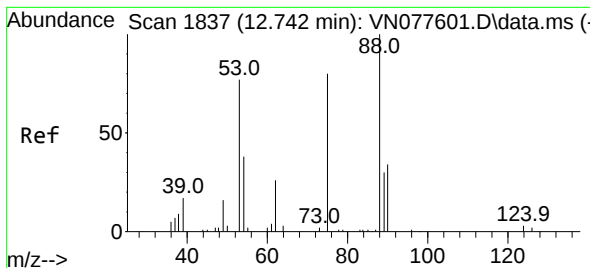
Reviewed By :John Carlone 05/09/2023
Supervised By :Mahesh Dadoda 05/09/2023



#76
1,3,5-Trimethylbenzene
Concen: 4.598 ug/l
RT: 13.177 min Scan# 1911
Delta R.T. 0.000 min
Lab File: VN077608.D
Acq: 08 May 2023 10:16

Tgt Ion:105 Resp: 145858
Ion Ratio Lower Upper
105 100
120 49.5 0.0 95.2





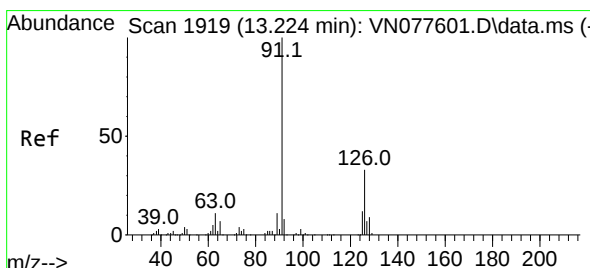
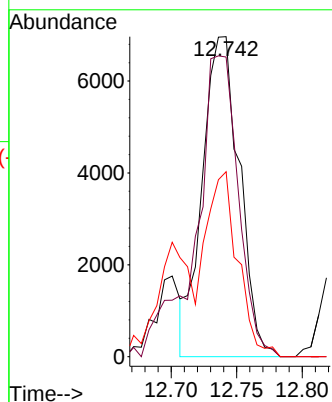
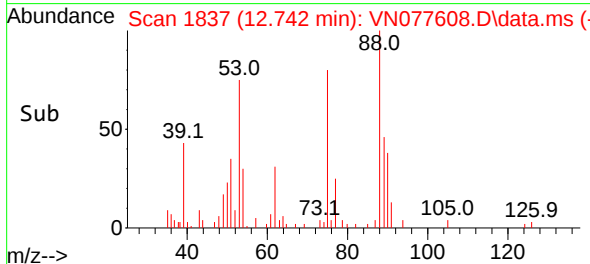
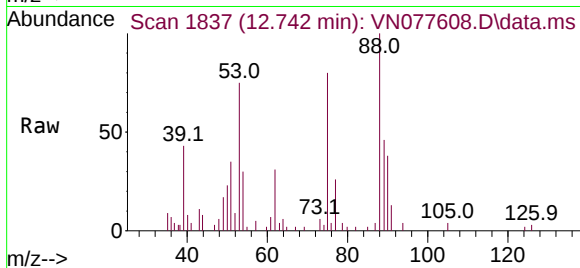
#77
t-1,4-Dichloro-2-butene
Concen: 4.391 ug/l
RT: 12.742 min Scan# 1837
Delta R.T. -0.000 min
Lab File: VN077608.D
Acq: 08 May 2023 10:16

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tgt Ion: 75 Resp: 1370
Ion Ratio Lower Upper
75 100
53 93.7 46.9 140.7
89 57.8 21.0 63.0

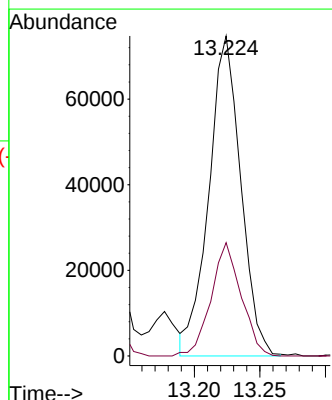
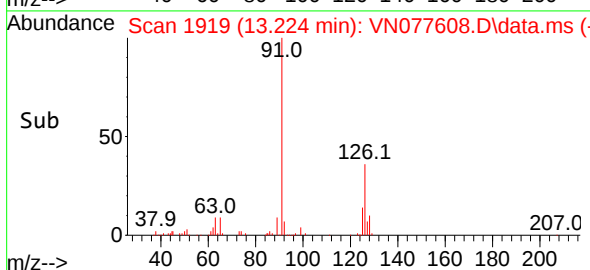
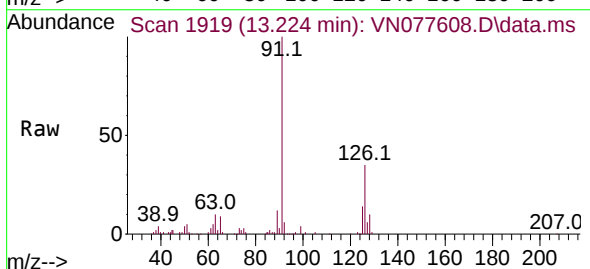
Manual Integrations
APPROVED

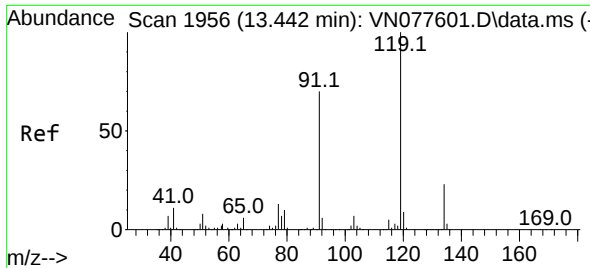
Reviewed By :John Carlone 05/09/2023
Supervised By :Mahesh Dadoda 05/09/2023



#78
4-Chlorotoluene
Concen: 4.771 ug/l
RT: 13.224 min Scan# 1919
Delta R.T. 0.000 min
Lab File: VN077608.D
Acq: 08 May 2023 10:16

Tgt Ion: 91 Resp: 126440
Ion Ratio Lower Upper
91 100
126 33.4 0.0 64.6





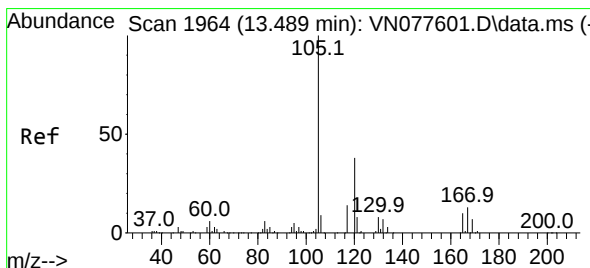
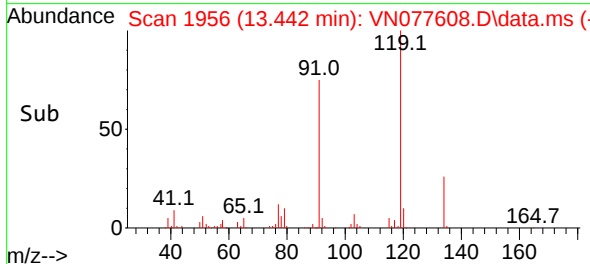
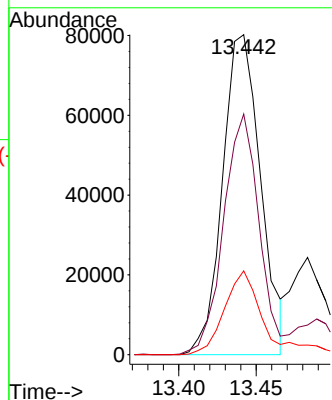
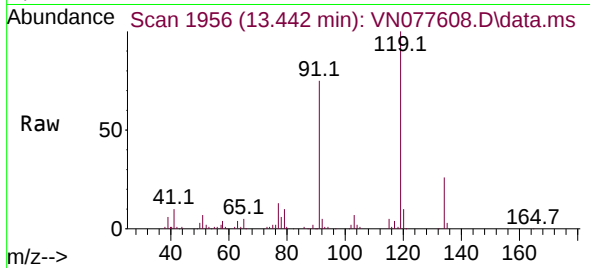
#79
tert-butylbenzene
Concen: 4.822 ug/l
RT: 13.442 min Scan# 1956
Delta R.T. -0.000 min
Lab File: VN077608.D
Acq: 08 May 2023 10:16

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tgt Ion:119 Resp: 137000
Ion Ratio Lower Upper
119 100
91 69.9 0.0 141.6
134 23.8 0.0 46.6

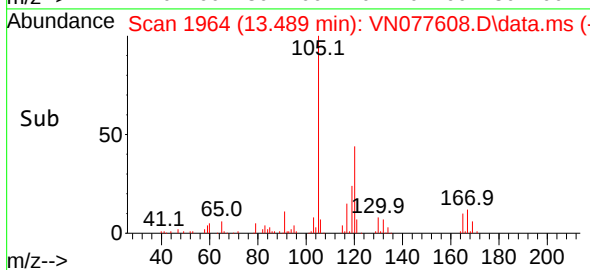
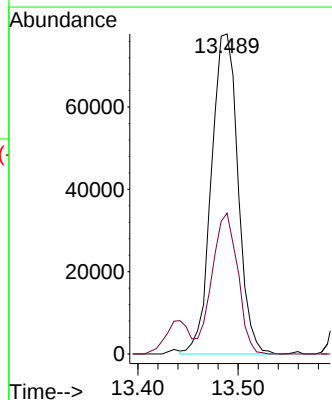
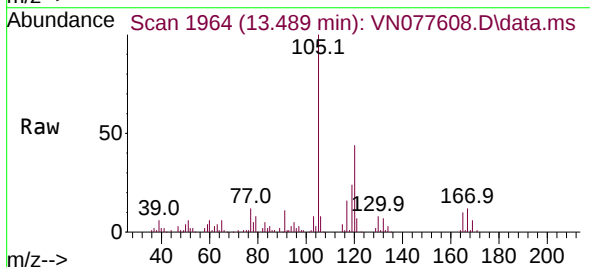
Manual Integrations
APPROVED

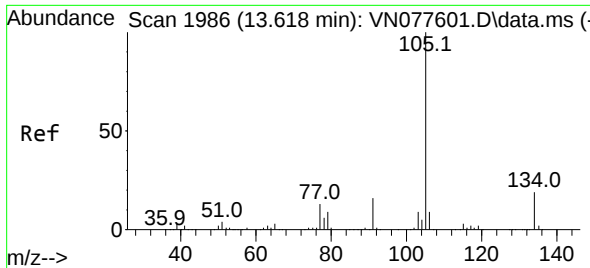
Reviewed By :John Carbone 05/09/2023
Supervised By :Mahesh Dadoda 05/09/2023



#80
1,2,4-Trimethylbenzene
Concen: 4.644 ug/l
RT: 13.489 min Scan# 1964
Delta R.T. -0.000 min
Lab File: VN077608.D
Acq: 08 May 2023 10:16

Tgt Ion:105 Resp: 142965
Ion Ratio Lower Upper
105 100
120 42.9 0.0 88.0





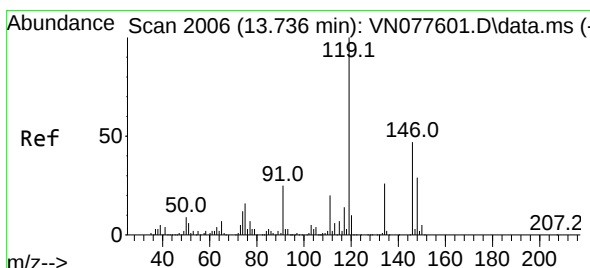
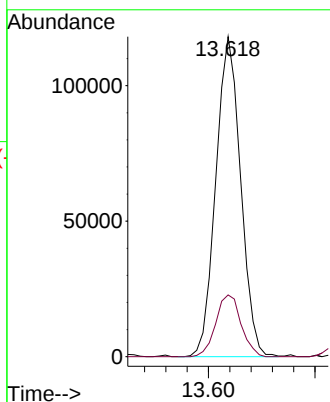
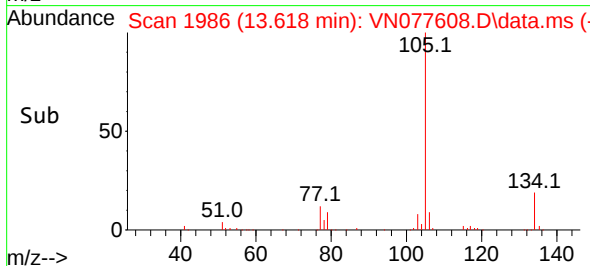
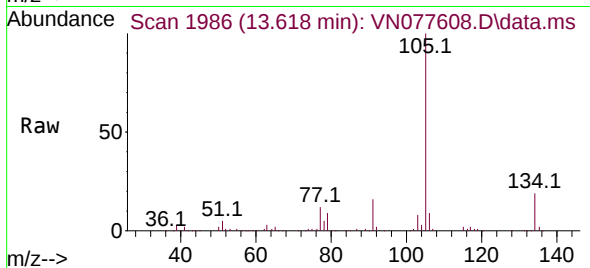
#81
 sec-Butylbenzene
 Concen: 4.782 ug/l
 RT: 13.618 min Scan# 1986
 Delta R.T. 0.000 min
 Lab File: VN077608.D
 Acq: 08 May 2023 10:16

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tgt Ion:105 Resp: 19070
 Ion Ratio Lower Upper
 105 100
 134 19.7 0.0 37.8

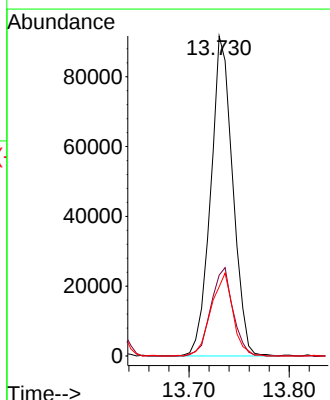
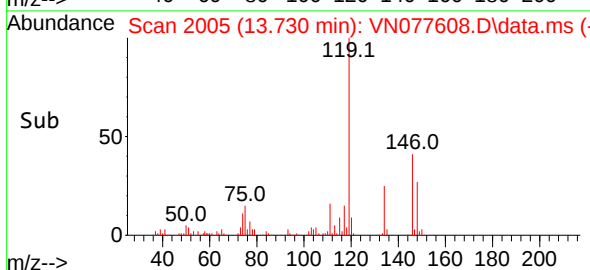
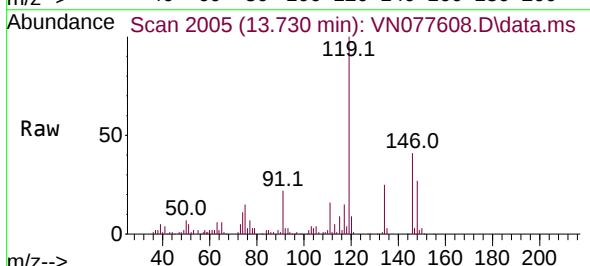
Manual Integrations
 APPROVED

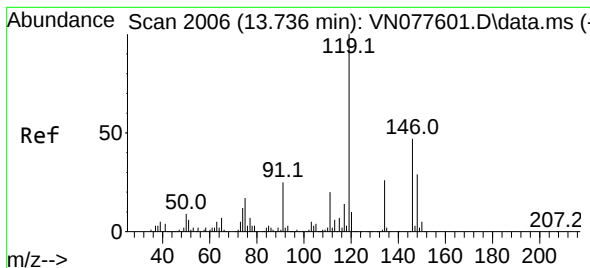
Reviewed By :John Carlone 05/09/2023
 Supervised By :Mahesh Dadoda 05/09/2023



#82
 p-Isopropyltoluene
 Concen: 4.404 ug/l
 RT: 13.730 min Scan# 2005
 Delta R.T. -0.006 min
 Lab File: VN077608.D
 Acq: 08 May 2023 10:16

Tgt Ion:119 Resp: 139740
 Ion Ratio Lower Upper
 119 100
 134 27.7 0.0 52.2
 91 25.7 0.0 51.2





#83

1,3-Dichlorobenzene

Concen: 4.632 ug/l

RT: 13.736 min Scan# 2019

Delta R.T. -0.000 min

Lab File: VN077608.D

Acq: 08 May 2023 10:16

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

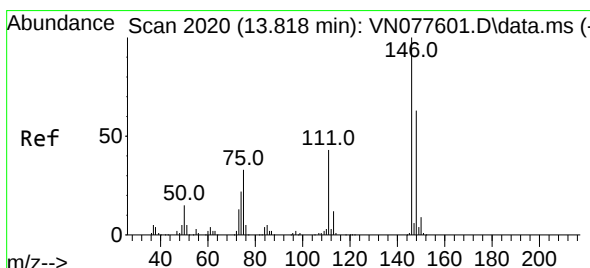
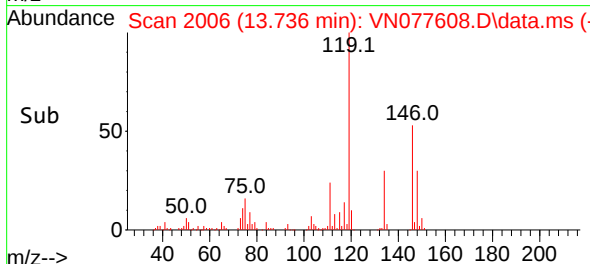
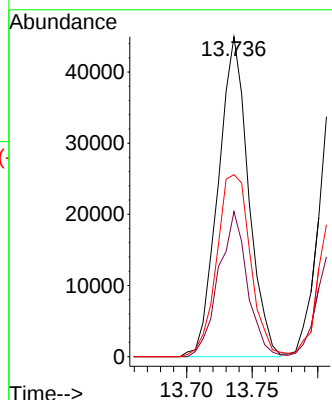
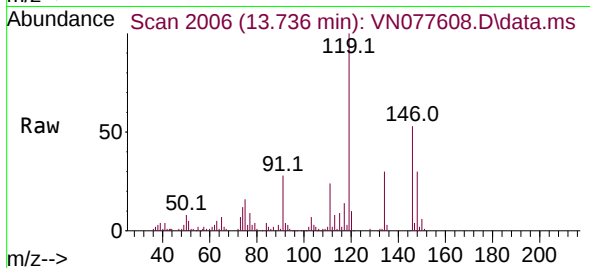
Tgt Ion:	146	Resp:	72194
Ion Ratio	Lower	Upper	
146	100		
111	43.1	22.1	66.1
148	63.6	32.5	97.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/09/2023

Supervised By :Mahesh Dadoda 05/09/2023



#84

1,4-Dichlorobenzene

Concen: 4.771 ug/l

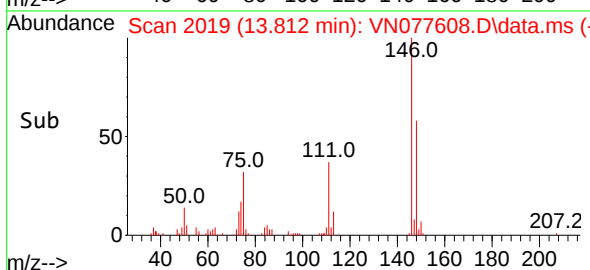
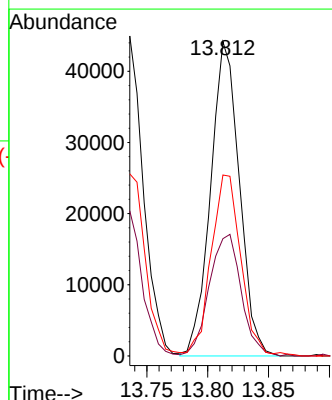
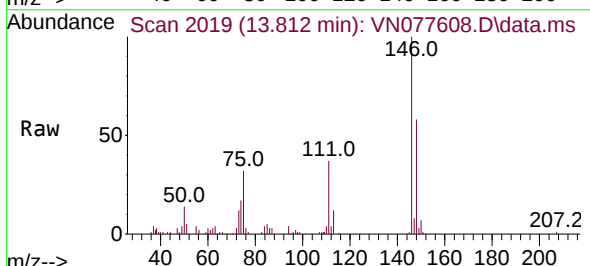
RT: 13.812 min Scan# 2019

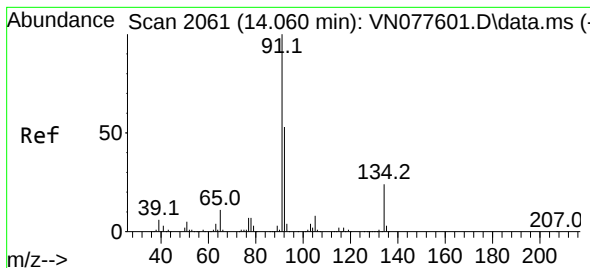
Delta R.T. -0.006 min

Lab File: VN077608.D

Acq: 08 May 2023 10:16

Tgt Ion:	146	Resp:	72799
Ion Ratio	Lower	Upper	
146	100		
111	42.7	20.8	62.4
148	59.3	31.1	93.5





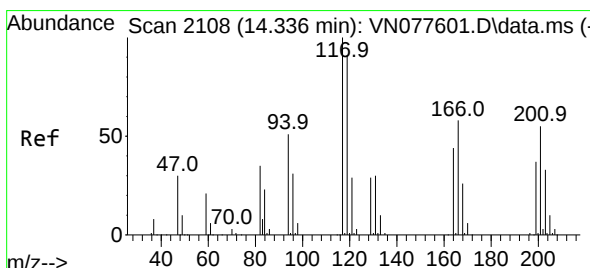
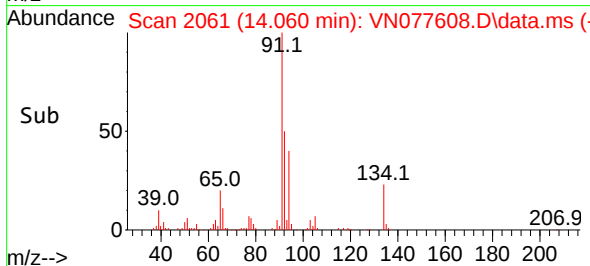
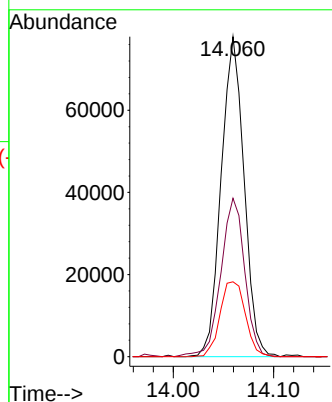
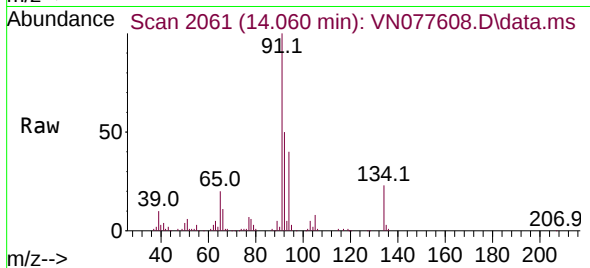
#85
n-Butylbenzene
Concen: 4.721 ug/l
RT: 14.060 min Scan# 2061
Delta R.T. -0.001 min
Lab File: VN077608.D
Acq: 08 May 2023 10:16

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tgt Ion: 91 Resp: 12324
Ion Ratio Lower Upper
91 100
92 51.6 0.0 107.0
134 26.0 0.0 50.2

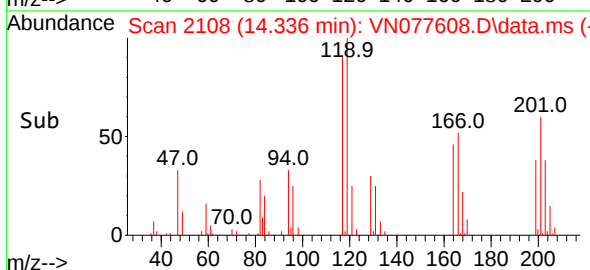
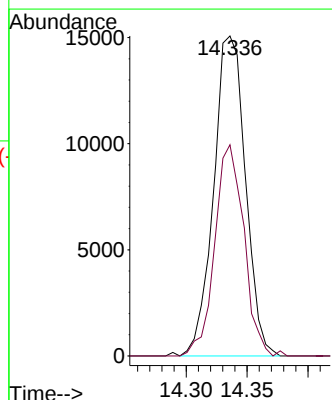
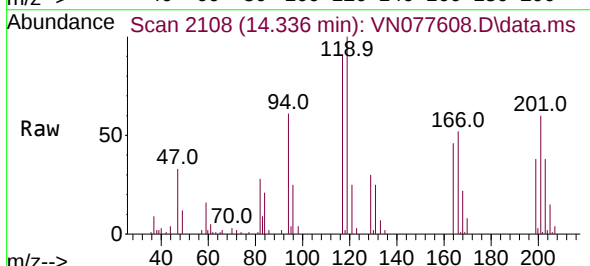
Manual Integrations
APPROVED

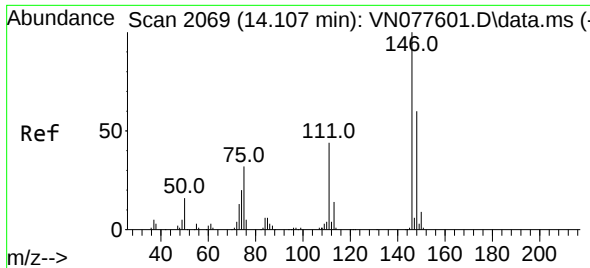
Reviewed By :John Carlone 05/09/2023
Supervised By :Mahesh Dadoda 05/09/2023



#86
Hexachloroethane
Concen: 4.634 ug/l
RT: 14.336 min Scan# 2108
Delta R.T. -0.000 min
Lab File: VN077608.D
Acq: 08 May 2023 10:16

Tgt Ion:117 Resp: 27399
Ion Ratio Lower Upper
117 100
201 60.2 28.1 84.4





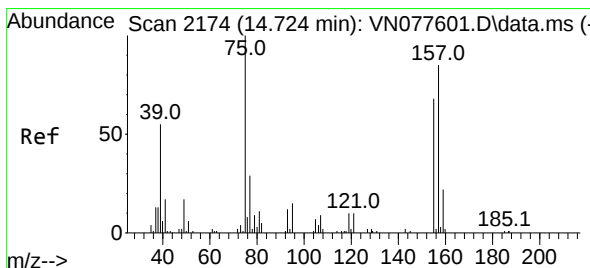
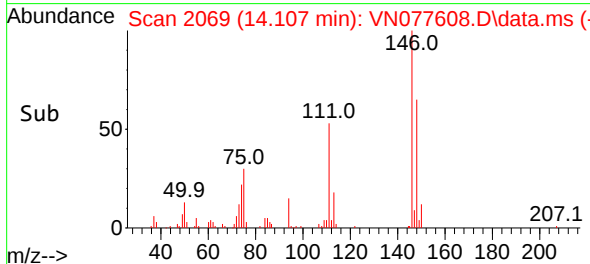
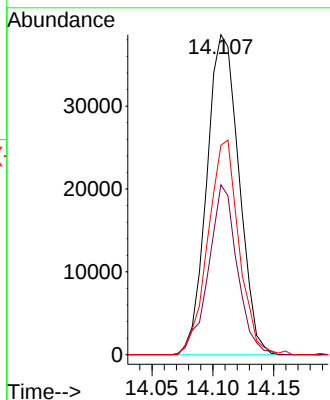
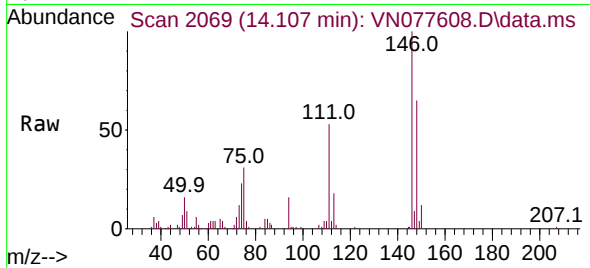
#87
1,2-Dichlorobenzene
Concen: 4.691 ug/l
RT: 14.107 min Scan# 2069
Delta R.T. -0.000 min
Lab File: VN077608.D
Acq: 08 May 2023 10:16

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tgt Ion:146 Resp: 70974
Ion Ratio Lower Upper
146 100
111 47.3 22.7 68.0
148 64.6 31.0 93.0

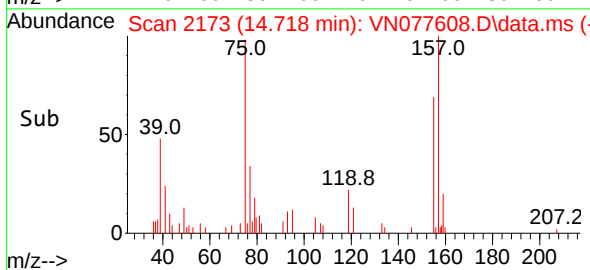
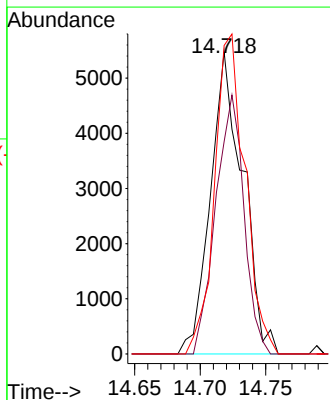
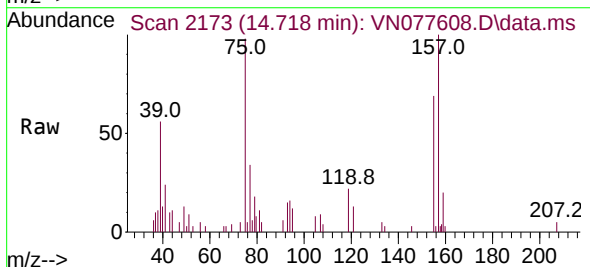
Manual Integrations
APPROVED

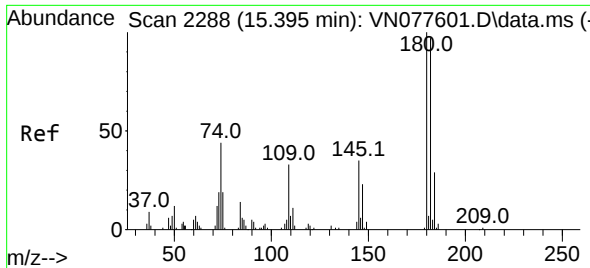
Reviewed By :John Carlone 05/09/2023
Supervised By :Mahesh Dadoda 05/09/2023



#88
1,2-Dibromo-3-Chloropropane
Concen: 4.835 ug/l
RT: 14.718 min Scan# 2173
Delta R.T. -0.006 min
Lab File: VN077608.D
Acq: 08 May 2023 10:16

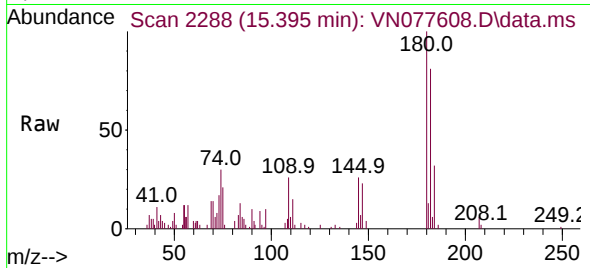
Tgt Ion: 75 Resp: 9458
Ion Ratio Lower Upper
75 100
155 74.4 63.1 94.7
157 98.8 75.5 113.3





#89
1,2,4-Trichlorobenzene
Concen: 4.273 ug/l
RT: 15.395 min Scan# 21
Delta R.T. -0.000 min
Lab File: VN077608.D
Acq: 08 May 2023 10:16

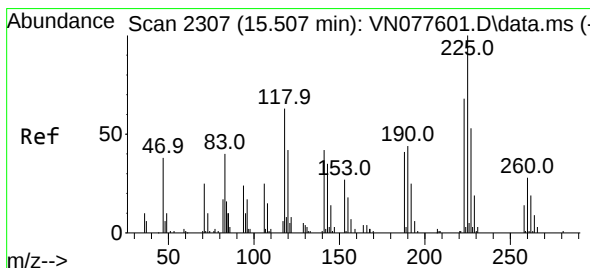
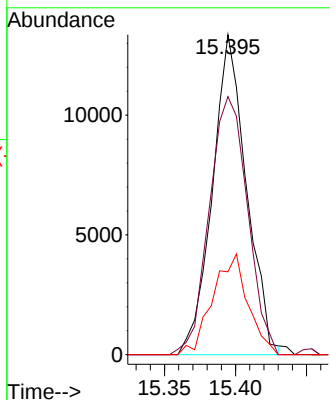
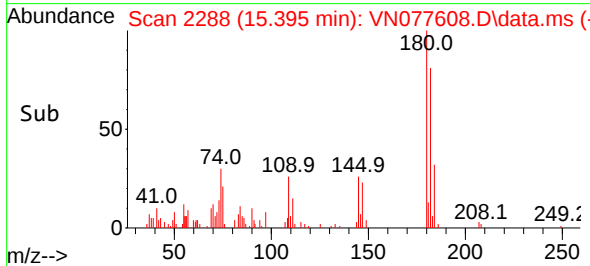
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005



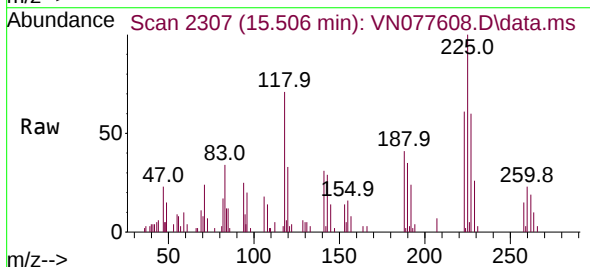
Tgt Ion:180 Resp: 2227
Ion Ratio Lower Upper
180 100
182 90.6 75.1 112.7
145 32.7 28.6 43.0

Manual Integrations
APPROVED

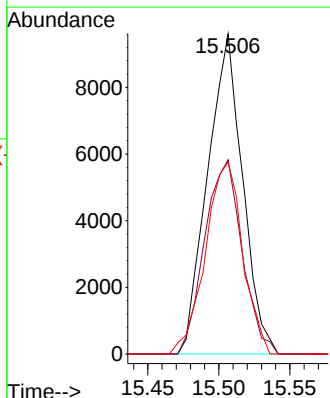
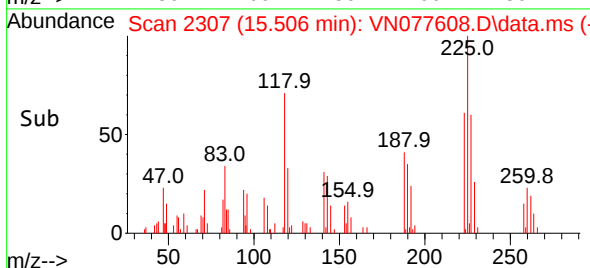
Reviewed By :John Carlone 05/09/2023
Supervised By :Mahesh Dadoda 05/09/2023

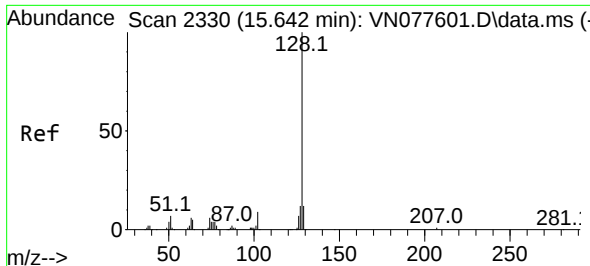


#90
Hexachlorobutadiene
Concen: 5.592 ug/l
RT: 15.506 min Scan# 2307
Delta R.T. -0.001 min
Lab File: VN077608.D
Acq: 08 May 2023 10:16



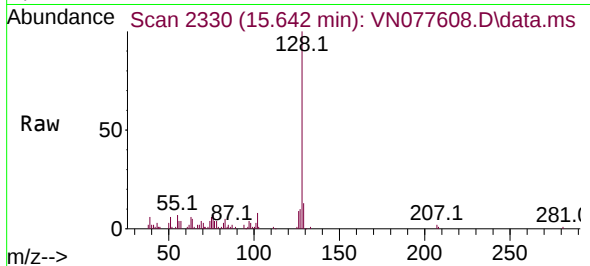
Tgt Ion:225 Resp: 16436
Ion Ratio Lower Upper
225 100
223 64.9 0.0 132.2
227 63.7 0.0 116.2





#91
Naphthalene
Concen: 3.973 ug/l
RT: 15.642 min Scan# 2330
Delta R.T. -0.000 min
Lab File: VN077608.D
Acq: 08 May 2023 10:16

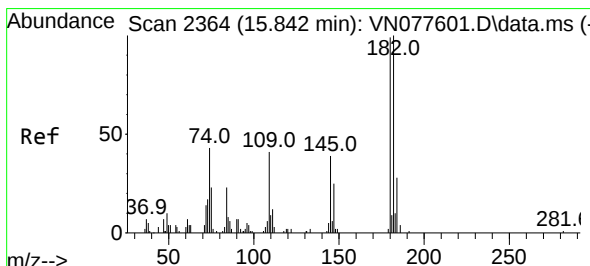
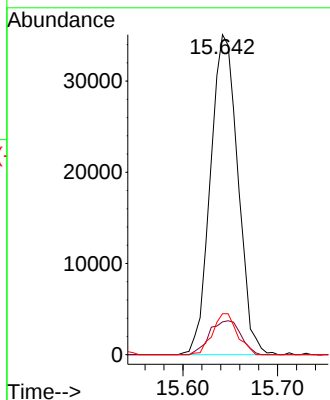
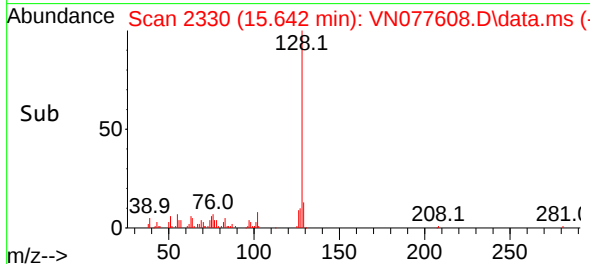
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005



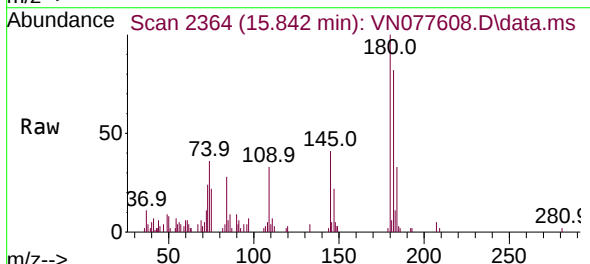
Tgt Ion:128 Resp: 70749
Ion Ratio Lower Upper
128 100
127 12.1 9.6 14.4
129 11.5 9.1 13.7

Manual Integrations
APPROVED

Reviewed By :John Carlone 05/09/2023
Supervised By :Mahesh Dadoda 05/09/2023



#92
1,2,3-Trichlorobenzene
Concen: 4.263 ug/l
RT: 15.842 min Scan# 2364
Delta R.T. -0.000 min
Lab File: VN077608.D
Acq: 08 May 2023 10:16



Tgt Ion:180 Resp: 20464
Ion Ratio Lower Upper
180 100
182 89.8 0.0 193.4
145 35.6 0.0 78.6

