

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD072723\
 Data File : VD076825.D
 Acq On : 27 Jul 2023 09:33
 Operator : KP/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

Reviewed By : John Carlone 07/28/2023
 Supervised By : Mahesh Dadoda 07/28/2023

Quant Time: Jul 27 14:47:24 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D071423S.M
 Quant Title : SW846 8260
 QLast Update : Mon Jul 17 08:07:52 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.875	168	220442	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	403222	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	360813	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	166398	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	109306	49.783	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	99.560%		
35) Dibromofluoromethane	7.799	113	127419	50.286	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	100.580%		
50) Toluene-d8	10.269	98	424627	46.844	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	93.680%		
62) 4-Bromofluorobenzene	12.575	95	142774	48.688	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	97.380%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.928	85	73147	42.433	ug/l	98
3) Chloromethane	2.146	50	112525	37.841	ug/l	98
4) Vinyl Chloride	2.281	62	163385	41.217	ug/l	100
5) Bromomethane	2.681	94	136648	41.898	ug/l	99
6) Chloroethane	2.828	64	128753	43.020	ug/l	97
7) Trichlorofluoromethane	3.170	101	162426	46.050	ug/l	95
8) Diethyl Ether	3.587	74	59372	48.890	ug/l	98
9) 1,1,2-Trichlorotrifluo...	3.964	101	107157	46.218	ug/l	97
10) Methyl Iodide	4.158	142	125894	48.169	ug/l	92
11) Tert butyl alcohol	5.058	59	38685	236.109	ug/l	98
12) 1,1-Dichloroethene	3.934	96	98202	45.082	ug/l	91
13) Acrolein	3.799	56	26096	233.723	ug/l	99
14) Allyl chloride	4.558	41	134852	47.126	ug/l	92
15) Acrylonitrile	5.252	53	137995	231.360	ug/l	99
16) Acetone	4.022	43	132660	252.988	ug/l #	86
17) Carbon Disulfide	4.264	76	208279	40.938	ug/l	98
18) Methyl Acetate	4.564	43	93062	47.236	ug/l	94
19) Methyl tert-butyl Ether	5.311	73	292799	50.124	ug/l	99
20) Methylene Chloride	4.793	84	149548	47.349	ug/l	87
21) trans-1,2-Dichloroethene	5.305	96	116156	45.874	ug/l	92
22) Diisopropyl ether	6.216	45	331293	48.891	ug/l	96
23) Vinyl Acetate	6.152	43	805433	240.233	ug/l	94
24) 1,1-Dichloroethane	6.111	63	218016	47.720	ug/l	99
25) 2-Butanone	7.081	43	178943	254.979	ug/l #	87
26) 2,2-Dichloropropane	7.075	77	195573	49.659	ug/l	96
27) cis-1,2-Dichloroethene	7.075	96	154220	49.407	ug/l	96
28) Bromochloromethane	7.422	49	53565	46.895	ug/l	88
29) Tetrahydrofuran	7.446	42	99145	239.107	ug/l	94
30) Chloroform	7.593	83	248328	49.626	ug/l	97
31) Cyclohexane	7.875	56	136170	42.140	ug/l	89
32) 1,1,1-Trichloroethane	7.793	97	201534	49.918	ug/l	98
36) 1,1-Dichloropropene	8.005	75	159589	48.198	ug/l	96
37) Ethyl Acetate	7.163	43	71971	48.604	ug/l	98
38) Carbon Tetrachloride	7.987	117	155767	49.131	ug/l	97
39) Methylcyclohexane	9.269	83	171458	44.847	ug/l	97
40) Benzene	8.246	78	494857	47.367	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.399	41	43414	48.012	ug/l #	89
42) 1,2-Dichloroethane	8.322	62	137165	50.530	ug/l	98
43) Isopropyl Acetate	8.357	43	143026	49.493	ug/l	92
44) Trichloroethene	9.022	130	133116	46.758	ug/l	91
45) 1,2-Dichloropropane	9.305	63	128283	47.568	ug/l	100
46) Dibromomethane	9.393	93	76699	48.588	ug/l	92
47) Bromodichloromethane	9.581	83	192324	48.550	ug/l	99
48) Methyl methacrylate	9.381	41	62236	47.318	ug/l #	83
49) 1,4-Dioxane	9.381	88	17414	861.030	ug/l	95
51) 4-Methyl-2-Pentanone	10.157	43	373607	242.817	ug/l	94
52) Toluene	10.334	92	333695	48.632	ug/l	93
53) t-1,3-Dichloropropene	10.551	75	182645	49.675	ug/l	99
54) cis-1,3-Dichloropropene	10.016	75	215708	49.779	ug/l #	93
55) 1,1,2-Trichloroethane	10.734	97	109458	47.485	ug/l	93
56) Ethyl methacrylate	10.599	69	136744	51.397	ug/l #	94
57) 1,3-Dichloropropane	10.875	76	176239	46.948	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.869	63	238346	231.441	ug/l	100
59) 2-Hexanone	10.922	43	277477	252.738	ug/l	93
60) Dibromochloromethane	11.075	129	133975	50.031	ug/l	96
61) 1,2-Dibromoethane	11.175	107	101899	47.681	ug/l	99
64) Tetrachloroethene	10.810	164	101575	49.370	ug/l	94
65) Chlorobenzene	11.604	112	359798	49.581	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.681	131	136968	50.697	ug/l	97
67) Ethyl Benzene	11.681	91	645619	50.660	ug/l	95
68) m/p-Xylenes	11.793	106	492715	100.667	ug/l	92
69) o-Xylene	12.122	106	237236	50.123	ug/l	90
70) Styrene	12.134	104	417478	50.386	ug/l	98
71) Bromoform	12.298	173	77373	52.290	ug/l #	99
73) Isopropylbenzene	12.422	105	625877	51.843	ug/l	96
74) N-amyl acetate	12.234	43	131263	51.611	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.675	83	129607	50.002	ug/l	100
76) 1,2,3-Trichloropropane	12.722	75	83408m	52.709	ug/l	
77) Bromobenzene	12.698	156	142148	51.011	ug/l	88
78) n-propylbenzene	12.763	91	750340	51.268	ug/l	96
79) 2-Chlorotoluene	12.845	91	414356	51.634	ug/l	95
80) 1,3,5-Trimethylbenzene	12.904	105	498856	51.103	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.469	75	39115	52.607	ug/l	97
82) 4-Chlorotoluene	12.945	91	428597	51.124	ug/l	95
83) tert-Butylbenzene	13.163	119	451342	52.511	ug/l	98
84) 1,2,4-Trimethylbenzene	13.210	105	505892	50.713	ug/l	96
85) sec-Butylbenzene	13.345	105	668974	50.943	ug/l	95
86) p-Isopropyltoluene	13.463	119	554532	51.132	ug/l	97
87) 1,3-Dichlorobenzene	13.457	146	286020	49.902	ug/l	98
88) 1,4-Dichlorobenzene	13.540	146	280978	50.036	ug/l	96
89) n-Butylbenzene	13.787	91	528096	49.762	ug/l	98
90) Hexachloroethane	14.051	117	106687	53.210	ug/l	85
91) 1,2-Dichlorobenzene	13.834	146	249945	49.489	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.445	75	17579	47.565	ug/l	96
93) 1,2,4-Trichlorobenzene	15.098	180	156829	50.863	ug/l	98
94) Hexachlorobutadiene	15.204	225	72704	49.028	ug/l	98
95) Naphthalene	15.334	128	392609	58.807	ug/l	98
96) 1,2,3-Trichlorobenzene	15.522	180	142067	51.344	ug/l	100

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Response via : Initial Calibration

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

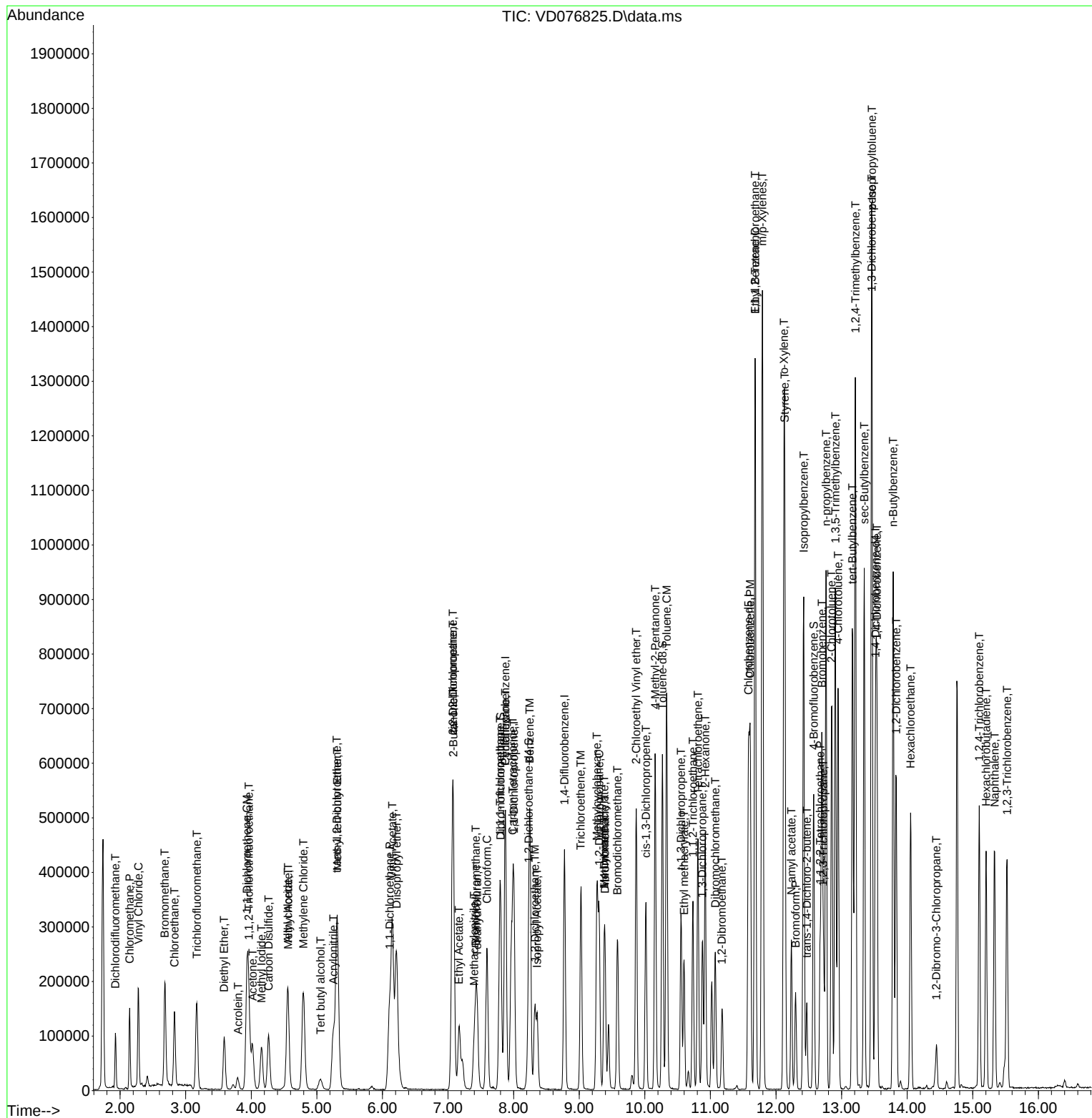
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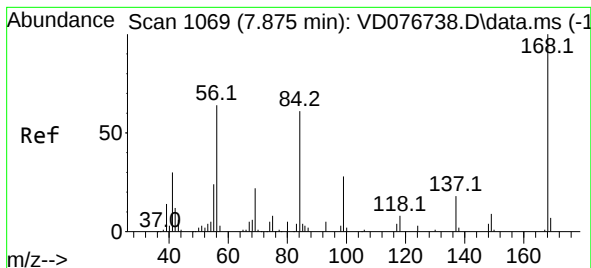
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.875 min Scan# 1069

Delta R.T. 0.000 min

Lab File: VD076825.D

Acq: 27 Jul 2023 09:33

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tgt Ion:168 Resp: 22044

Ion Ratio Lower Upper

168 100

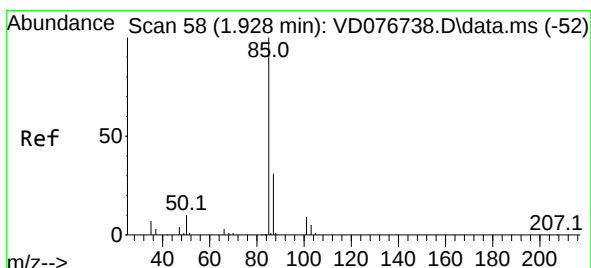
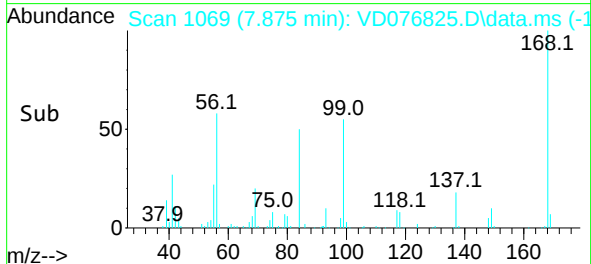
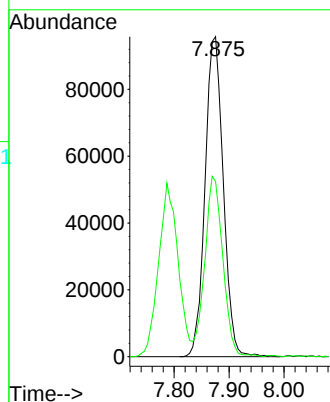
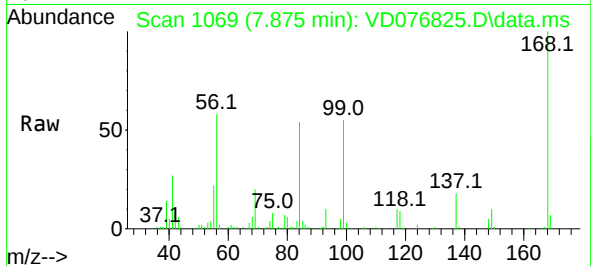
99 54.6 36.7 55.1

Manual Integrations

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#2

Dichlorodifluoromethane

Concen: 42.433 ug/l

RT: 1.928 min Scan# 58

Delta R.T. 0.000 min

Lab File: VD076825.D

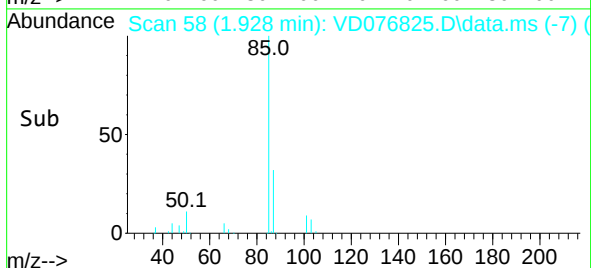
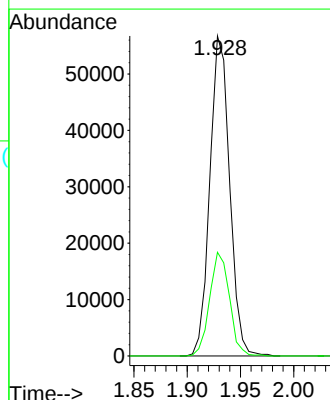
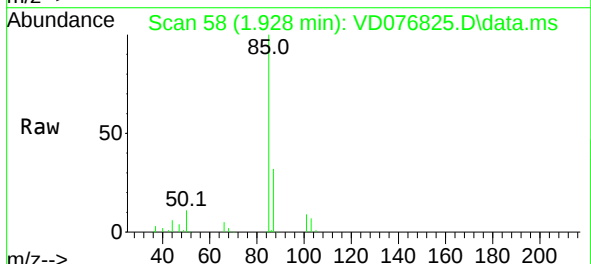
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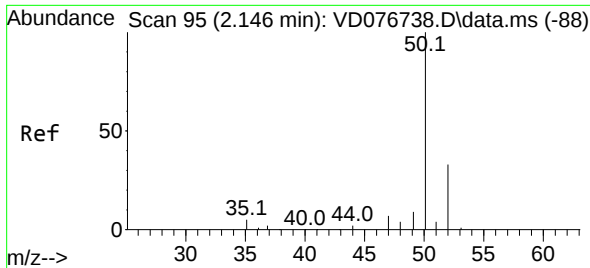
Tgt Ion: 85 Resp: 73147

Ion Ratio Lower Upper

85 100

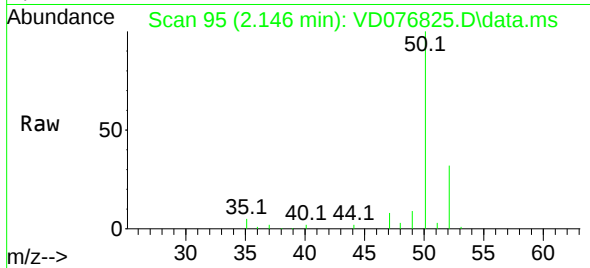
87 32.4 15.7 47.0





#3
Chloromethane
Concen: 37.841 ug/l
RT: 2.146 min Scan# 95
Delta R.T. 0.000 min
Lab File: VD076825.D
Acq: 27 Jul 2023 09:33

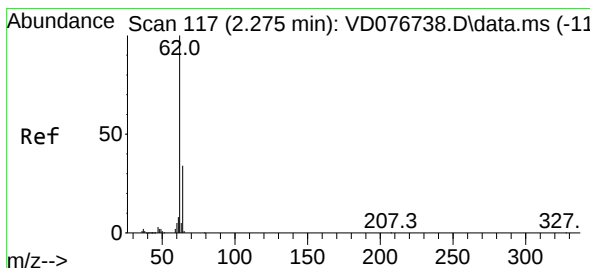
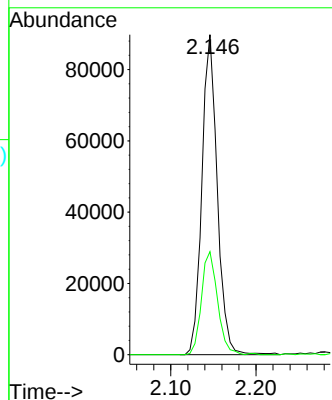
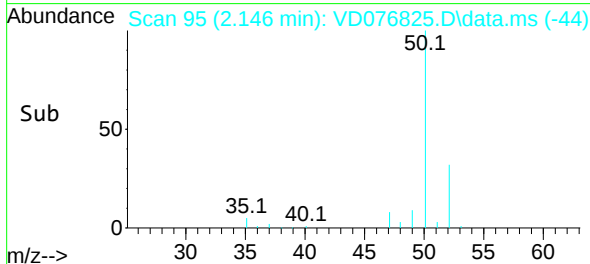
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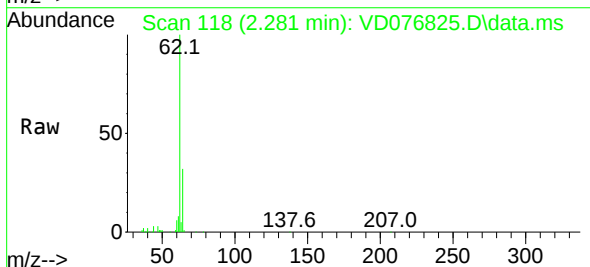
Tgt Ion: 50 Resp: 11252
Ion Ratio Lower Upper
50 100
52 32.2 26.6 40.0

Manual Integrations
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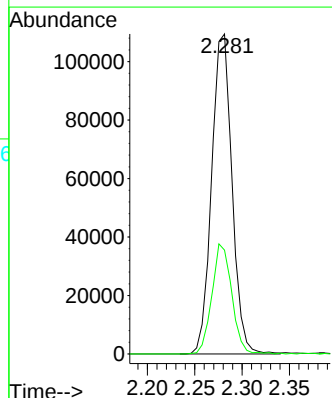
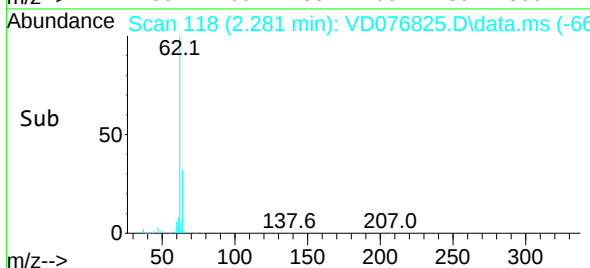
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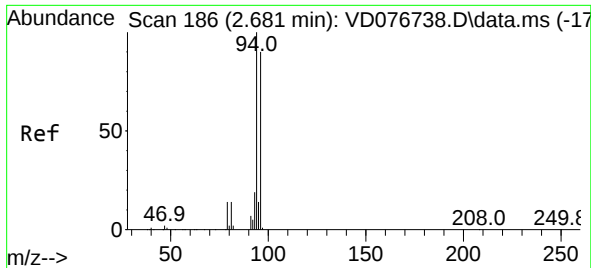


#4
Vinyl Chloride
Concen: 41.217 ug/l
RT: 2.281 min Scan# 118
Delta R.T. 0.006 min
Lab File: VD076825.D
Acq: 27 Jul 2023 09:33



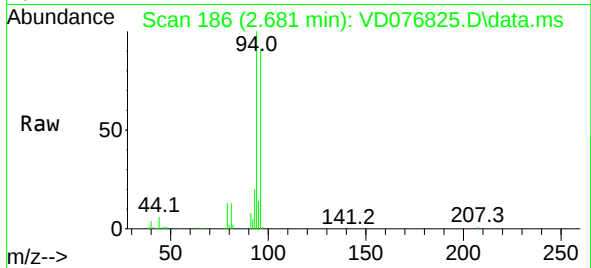
Tgt Ion: 62 Resp: 163385
Ion Ratio Lower Upper
62 100
64 32.5 26.0 39.0





#5
Bromomethane
Concen: 41.898 ug/l
RT: 2.681 min Scan# 186
Delta R.T. 0.000 min
Lab File: VD076825.D
Acq: 27 Jul 2023 09:33

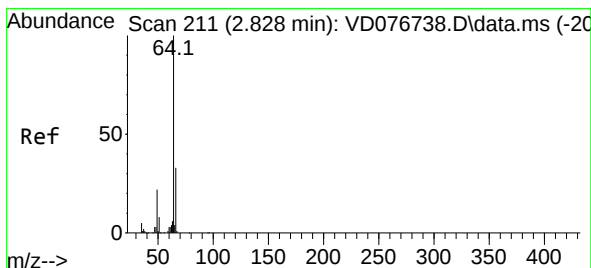
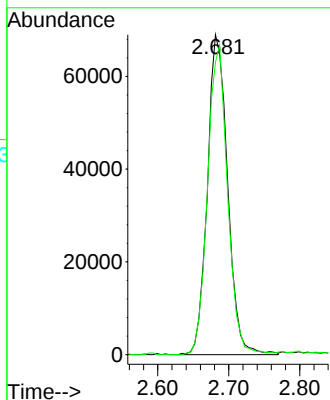
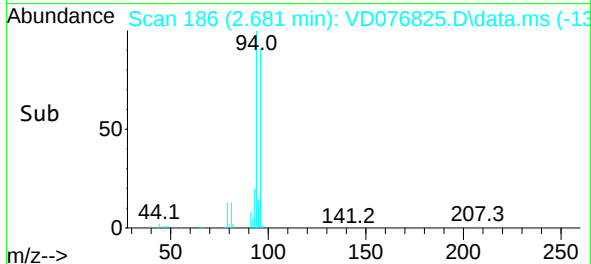
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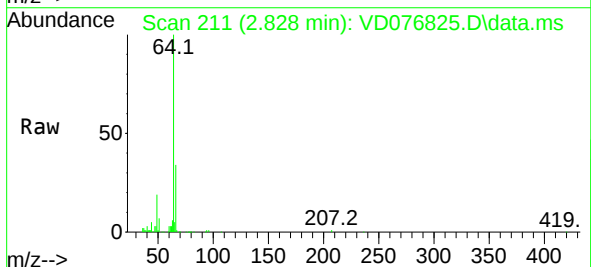
Tgt Ion: 94 Resp: 136648
Ion Ratio Lower Upper
94 100
96 95.7 75.8 113.8

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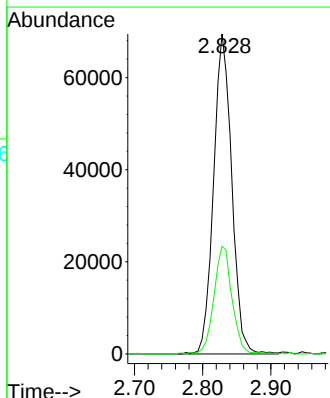
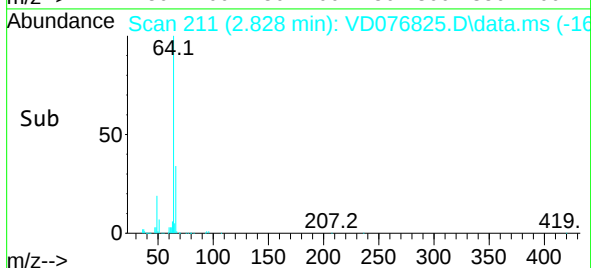
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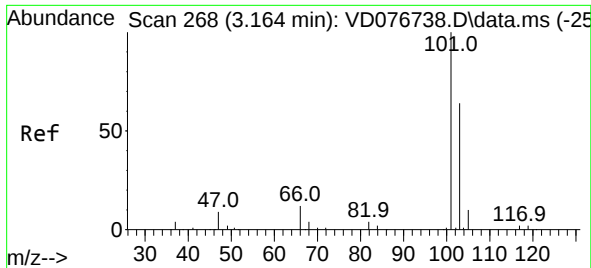


#6
Chloroethane
Concen: 43.020 ug/l
RT: 2.828 min Scan# 211
Delta R.T. 0.000 min
Lab File: VD076825.D
Acq: 27 Jul 2023 09:33



Tgt Ion: 64 Resp: 128753
Ion Ratio Lower Upper
64 100
66 33.7 25.5 38.3





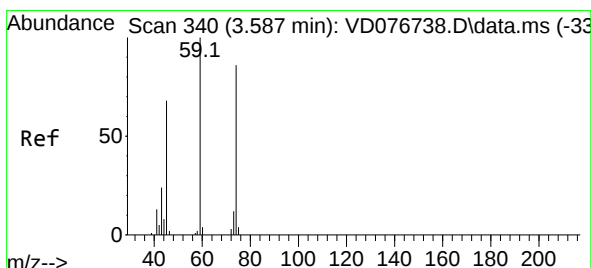
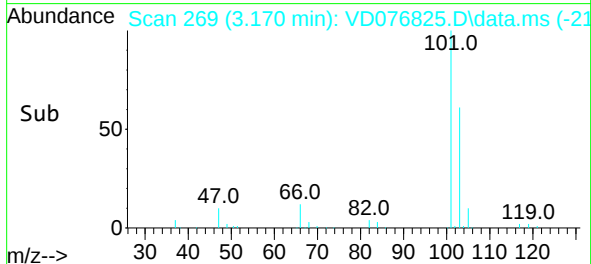
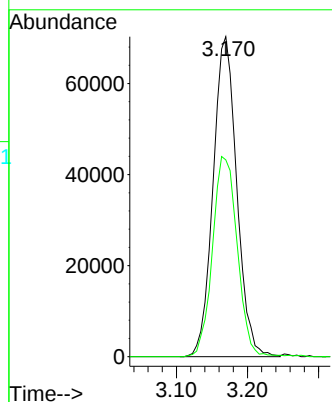
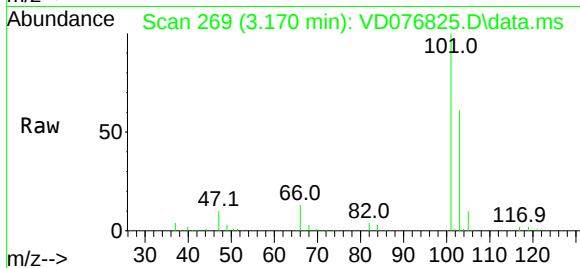
#7
Trichlorofluoromethane
Concen: 46.050 ug/l
RT: 3.170 min Scan# 20
Delta R.T. 0.006 min
Lab File: VD076825.D
Acq: 27 Jul 2023 09:33

Instrument :
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Tgt Ion:101 Resp: 162420
Ion Ratio Lower Upper
101 100
103 61.5 52.3 78.5

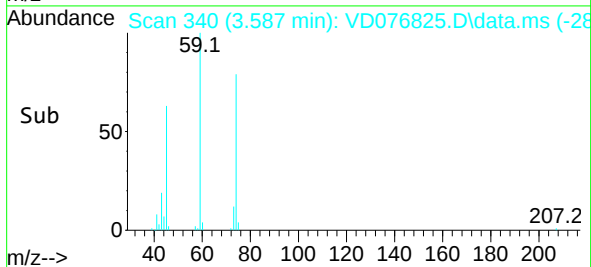
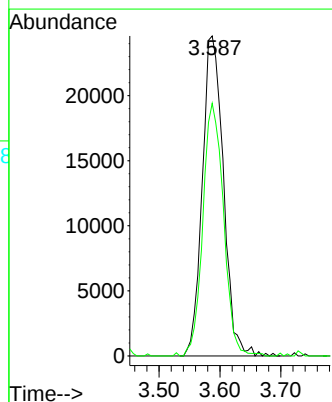
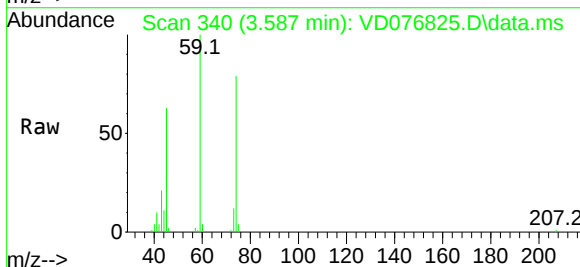
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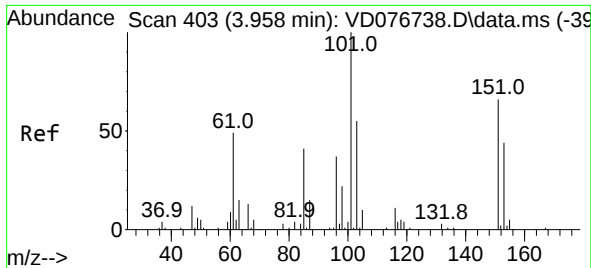
Reviewed By :John Carlone 07/28/2023
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#8
Diethyl Ether
Concen: 48.890 ug/l
RT: 3.587 min Scan# 340
Delta R.T. 0.000 min
Lab File: VD076825.D
Acq: 27 Jul 2023 09:33

Tgt Ion: 74 Resp: 59372
Ion Ratio Lower Upper
74 100
45 77.1 37.5 112.7





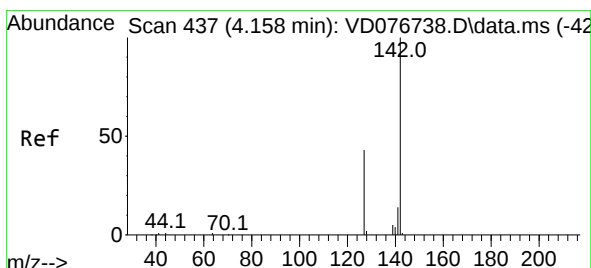
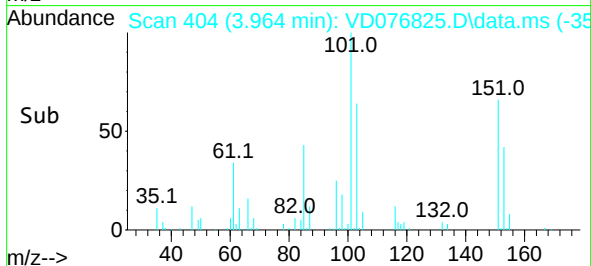
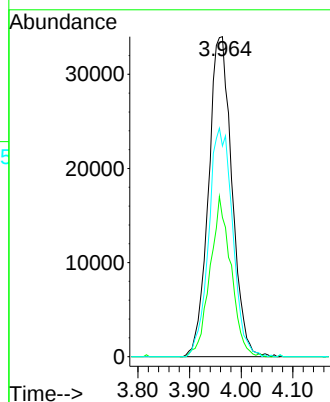
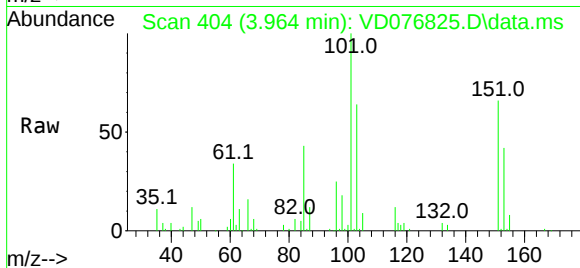
#9
1,1,2-Trichlorotrifluoroethane
Concen: 46.218 ug/l
RT: 3.964 min Scan# 403
Delta R.T. 0.006 min
Lab File: VD076825.D
Acq: 27 Jul 2023 09:33

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tgt Ion:101 Resp: 10715
Ion Ratio Lower Upper
101 100
85 44.8 33.8 50.6
151 73.0 59.8 89.6

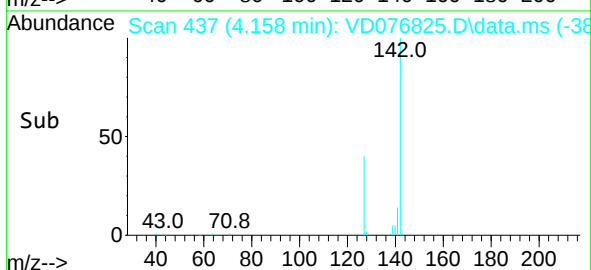
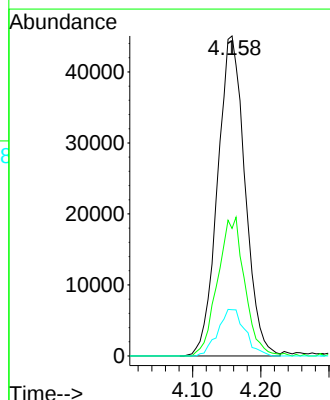
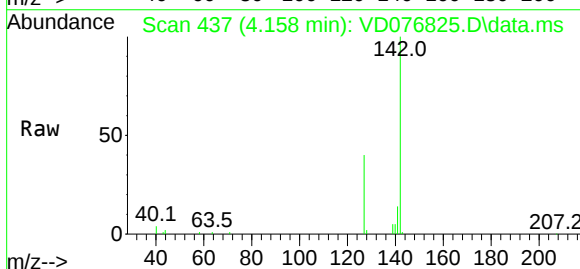
Manual Integrations
APPROVED

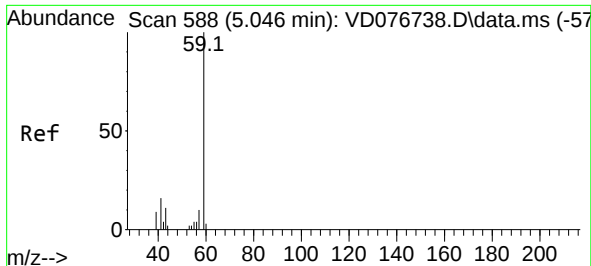
Reviewed By :John Carlone 07/28/2023
Supervised By :Mahesh Dadoda 07/28/2023



#10
Methyl Iodide
Concen: 48.169 ug/l
RT: 4.158 min Scan# 437
Delta R.T. -0.000 min
Lab File: VD076825.D
Acq: 27 Jul 2023 09:33

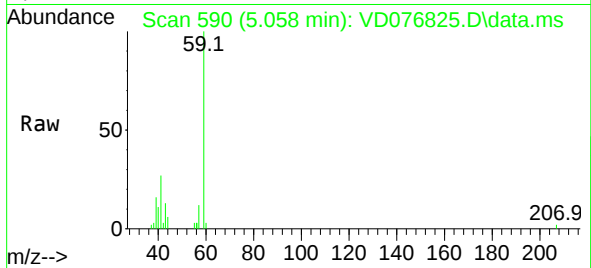
Tgt Ion:142 Resp: 125894
Ion Ratio Lower Upper
142 100
127 42.9 29.4 44.0
141 14.4 11.1 16.7





#11
Tert butyl alcohol
Concen: 236.109 ug/l
RT: 5.058 min Scan# 590
Delta R.T. 0.012 min
Lab File: VD076825.D
Acq: 27 Jul 2023 09:33

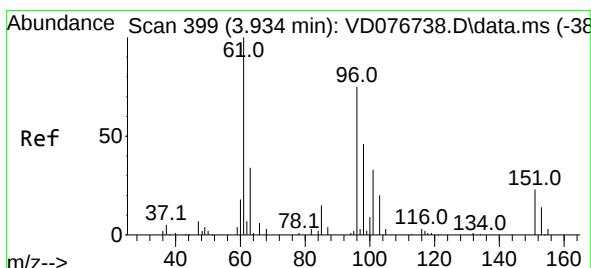
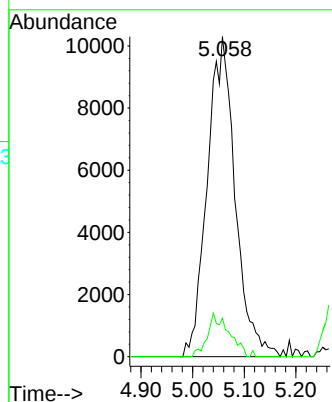
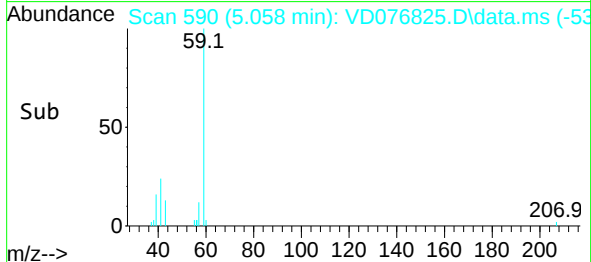
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050



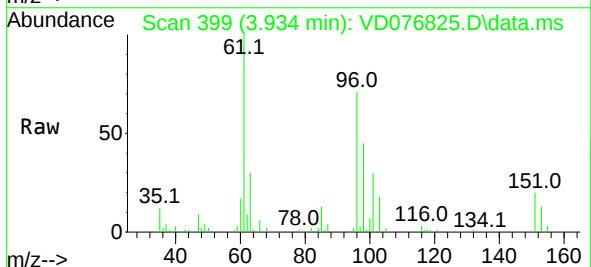
Tgt Ion: 59 Resp: 3868
Ion Ratio Lower Upper
59 100
57 10.4 7.8 11.8

Manual Integrations
APPROVED

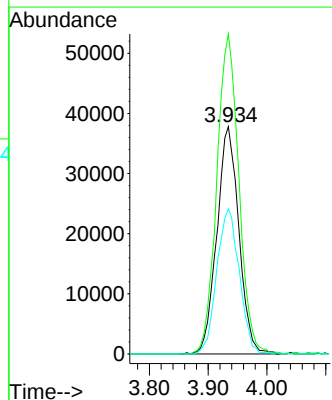
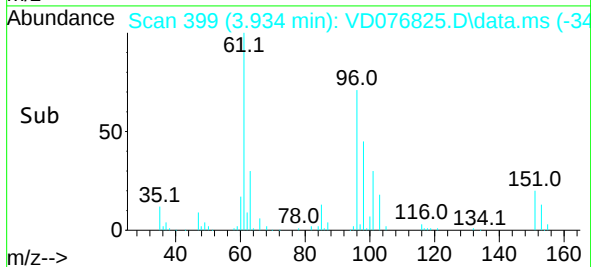
Reviewed By :John Carlone 07/28/2023
Supervised By :Mahesh Dadoda 07/28/2023

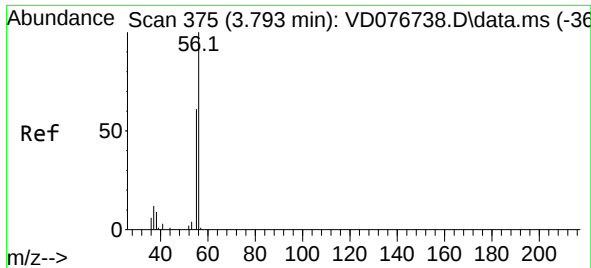


#12
1,1-Dichloroethene
Concen: 45.082 ug/l
RT: 3.934 min Scan# 399
Delta R.T. 0.000 min
Lab File: VD076825.D
Acq: 27 Jul 2023 09:33



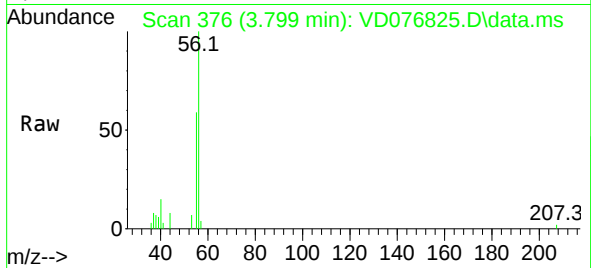
Tgt Ion: 96 Resp: 98202
Ion Ratio Lower Upper
96 100
61 140.8 100.6 150.8
98 63.8 50.2 75.2





#13
Acrolein
Concen: 233.723 ug/l
RT: 3.799 min Scan# 31
Delta R.T. 0.006 min
Lab File: VD076825.D
Acq: 27 Jul 2023 09:33

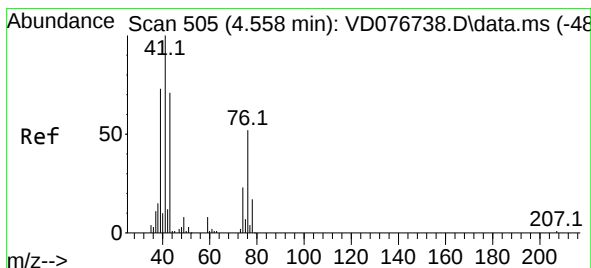
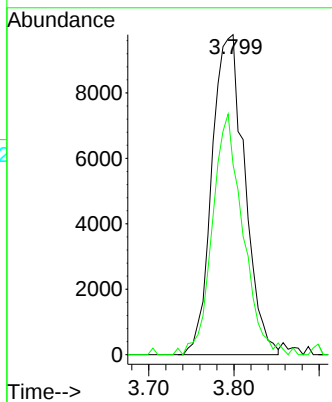
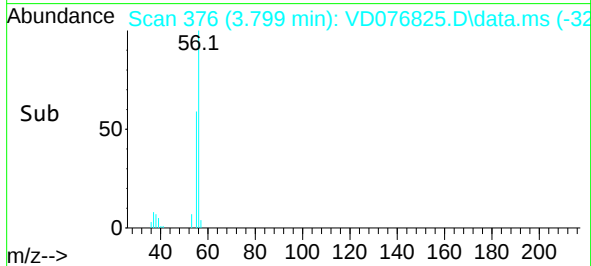
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050



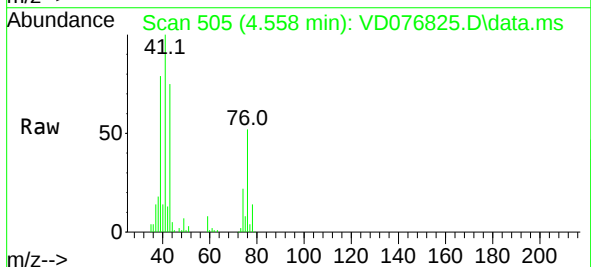
Tgt Ion: 56 Resp: 26090
Ion Ratio Lower Upper
56 100
55 69.7 55.1 82.7

Manual Integrations
APPROVED

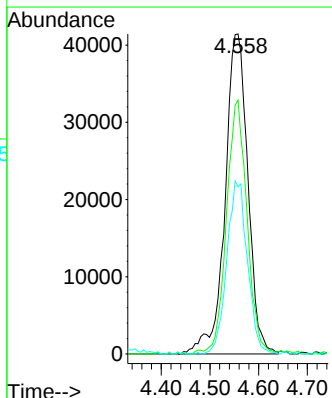
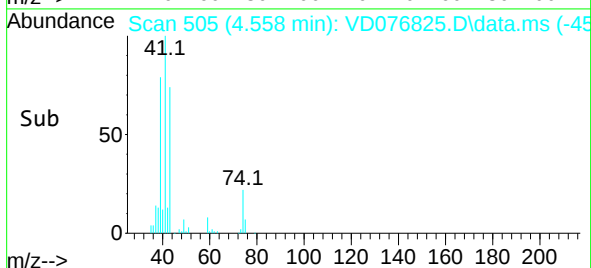
Reviewed By :John Carlone 07/28/2023
Supervised By :Mahesh Dadoda 07/28/2023

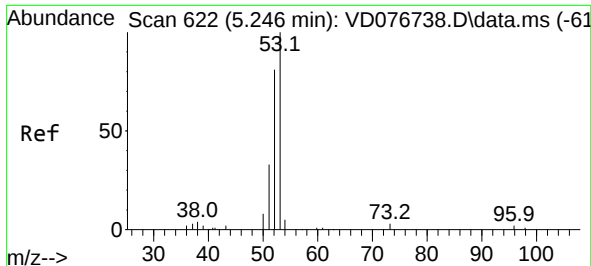


#14
Allyl chloride
Concen: 47.126 ug/l
RT: 4.558 min Scan# 505
Delta R.T. -0.000 min
Lab File: VD076825.D
Acq: 27 Jul 2023 09:33



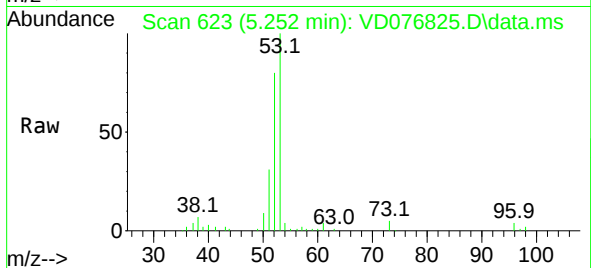
Tgt Ion: 41 Resp: 134852
Ion Ratio Lower Upper
41 100
39 71.2 53.8 80.6
76 48.7 45.8 68.8





#15
Acrylonitrile
Concen: 231.360 ug/l
RT: 5.252 min Scan# 61
Delta R.T. 0.006 min
Lab File: VD076825.D
Acq: 27 Jul 2023 09:33

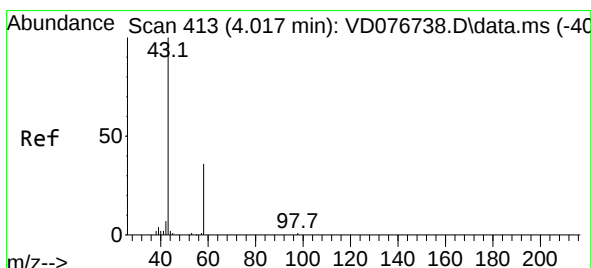
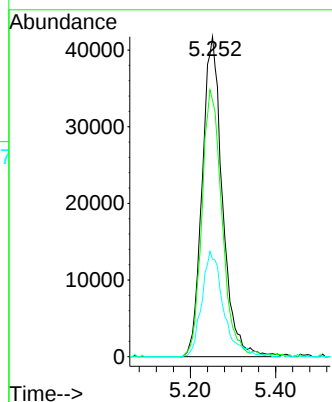
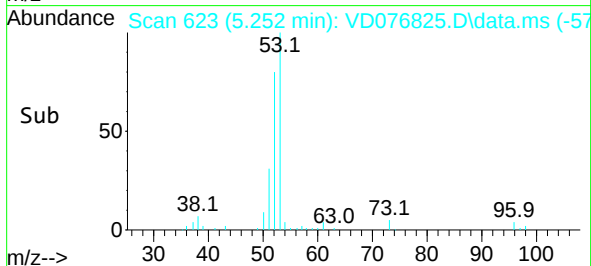
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050



Tgt Ion: 53 Resp: 137995
Ion Ratio Lower Upper
53 100
52 82.0 65.0 97.4
51 34.9 28.3 42.5

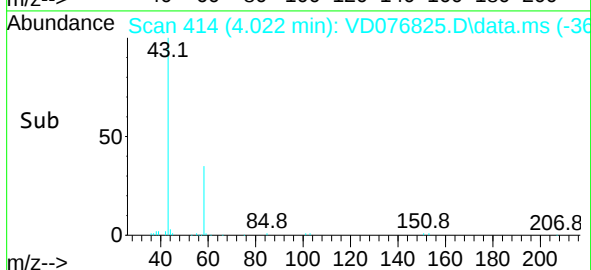
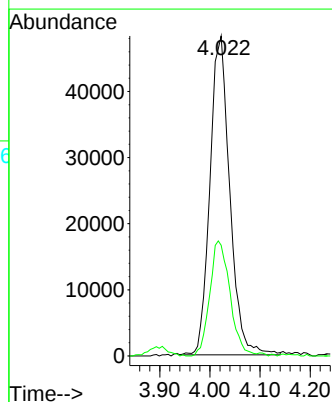
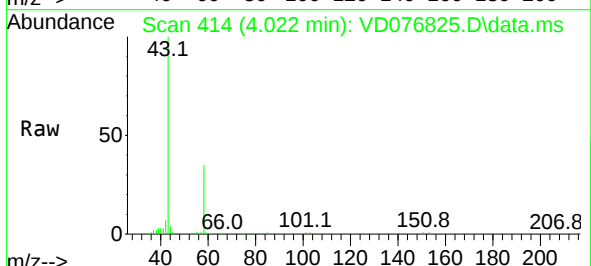
Manual Integrations
APPROVED

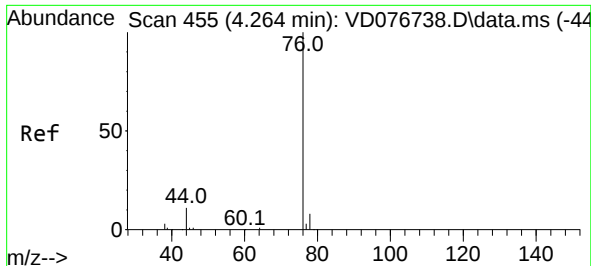
Reviewed By :John Carlone 07/28/2023
Supervised By :Mahesh Dadoda 07/28/2023



#16
Acetone
Concen: 252.988 ug/l
RT: 4.022 min Scan# 414
Delta R.T. 0.005 min
Lab File: VD076825.D
Acq: 27 Jul 2023 09:33

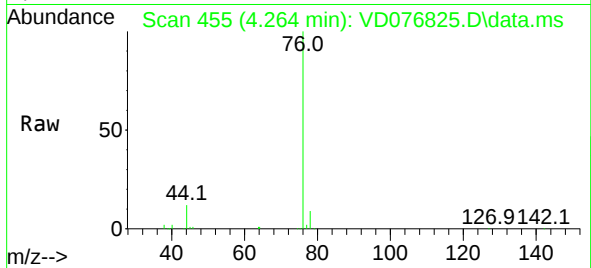
Tgt Ion: 43 Resp: 132660
Ion Ratio Lower Upper
43 100
58 34.7 34.7 52.1#





#17
Carbon Disulfide
Concen: 40.938 ug/l
RT: 4.264 min Scan# 455
Delta R.T. -0.000 min
Lab File: VD076825.D
Acq: 27 Jul 2023 09:33

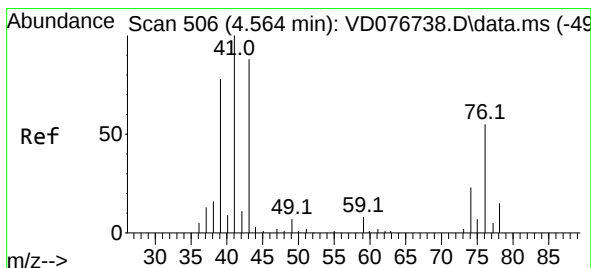
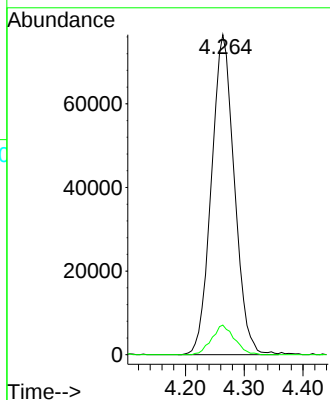
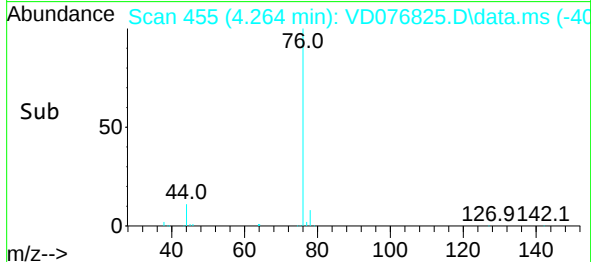
Instrument :
MSVOA_D
Client Sample Id :
VSTDCCC050



Tgt Ion: 76 Resp: 208279
Ion Ratio Lower Upper
76 100
78 9.3 6.8 10.2

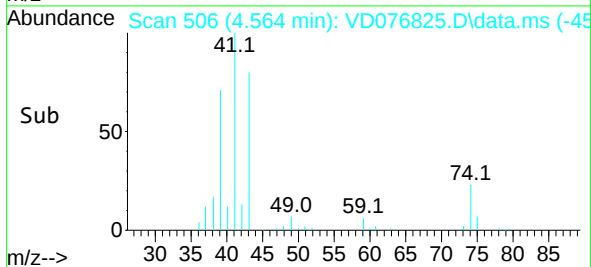
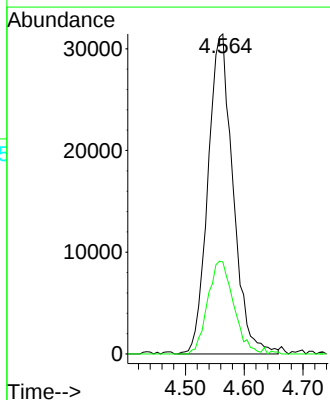
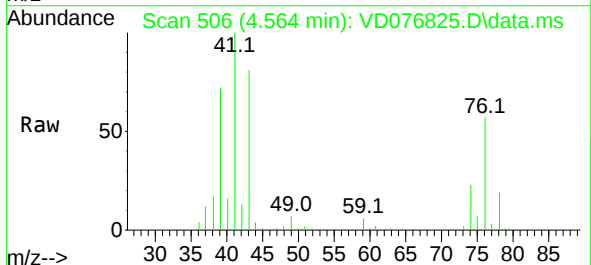
Manual Integrations
APPROVED

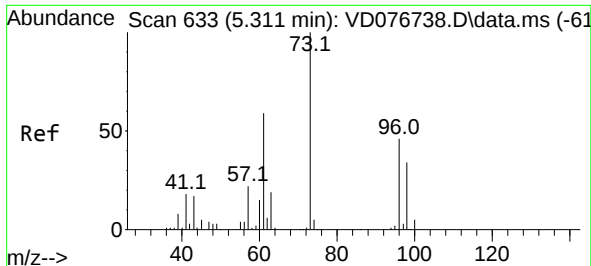
Reviewed By :John Carlone 07/28/2023
Supervised By :Mahesh Dadoda 07/28/2023



#18
Methyl Acetate
Concen: 47.236 ug/l
RT: 4.564 min Scan# 506
Delta R.T. -0.000 min
Lab File: VD076825.D
Acq: 27 Jul 2023 09:33

Tgt Ion: 43 Resp: 93062
Ion Ratio Lower Upper
43 100
74 29.9 26.4 39.6





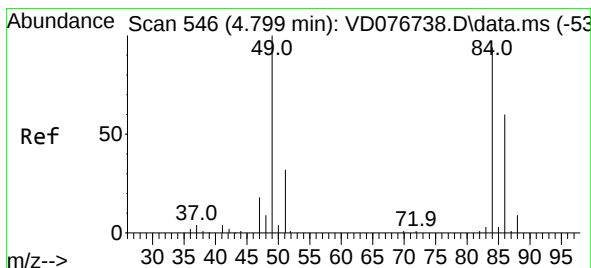
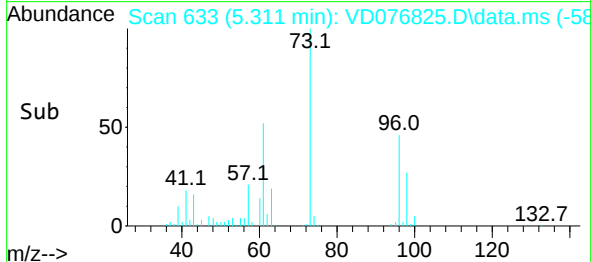
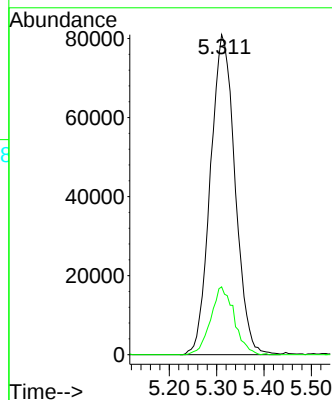
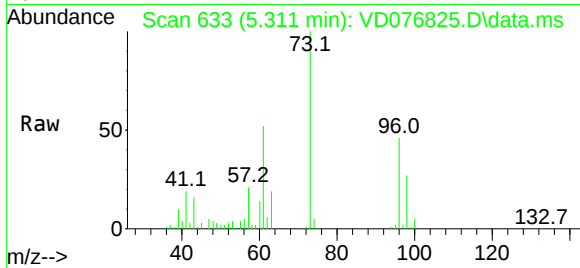
#19
Methyl tert-butyl Ether
Concen: 50.124 ug/l
RT: 5.311 min Scan# 61
Delta R.T. -0.000 min
Lab File: VD076825.D
Acq: 27 Jul 2023 09:33

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tgt Ion: 73 Resp: 292795
Ion Ratio Lower Upper
73 100
57 21.2 16.6 25.0

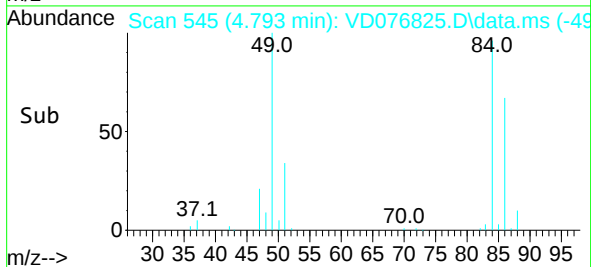
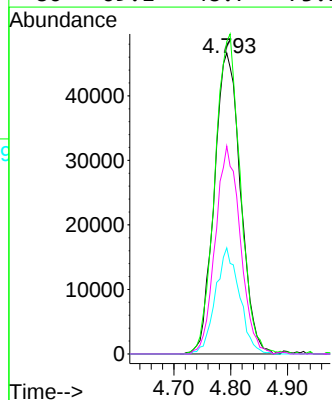
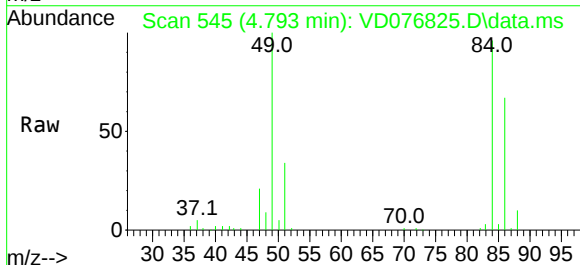
Manual Integrations
APPROVED

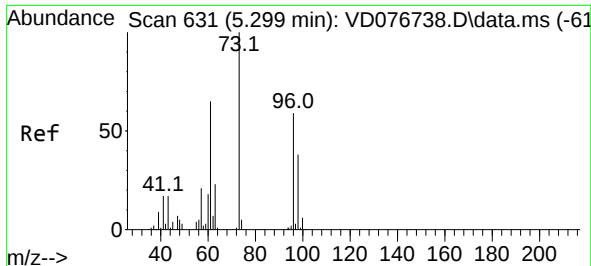
Reviewed By :John Carlone 07/28/2023
Supervised By :Mahesh Dadoda 07/28/2023



#20
Methylene Chloride
Concen: 47.349 ug/l
RT: 4.793 min Scan# 545
Delta R.T. -0.006 min
Lab File: VD076825.D
Acq: 27 Jul 2023 09:33

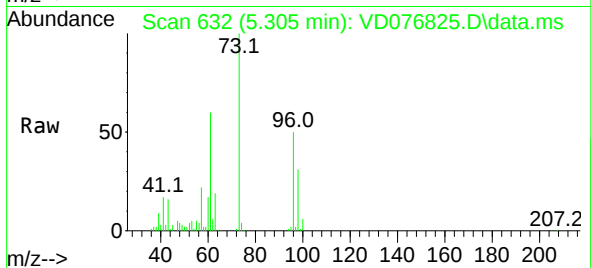
Tgt Ion: 84 Resp: 149548
Ion Ratio Lower Upper
84 100
49 103.8 71.4 107.2
51 35.3 24.5 36.7
86 69.1 48.7 73.1





#21
trans-1,2-Dichloroethene
Concen: 45.874 ug/l
RT: 5.305 min Scan# 61
Delta R.T. 0.006 min
Lab File: VD076825.D
Acq: 27 Jul 2023 09:33

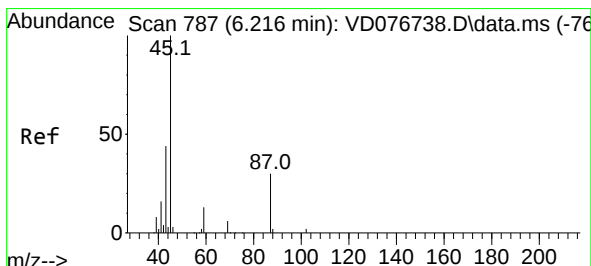
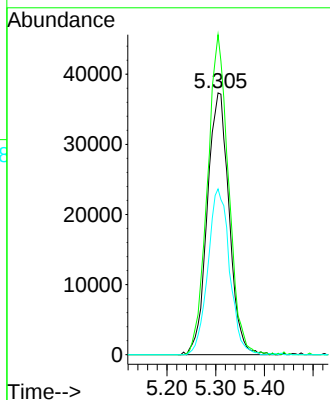
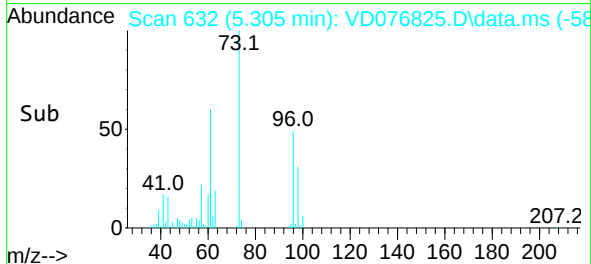
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050



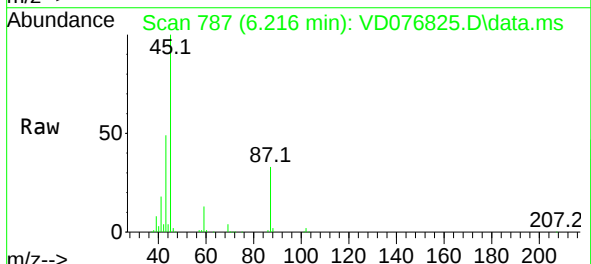
Tgt Ion: 96 Resp: 116150
Ion Ratio Lower Upper
96 100
61 122.2 89.3 133.9
98 63.3 48.6 73.0

Manual Integrations
APPROVED

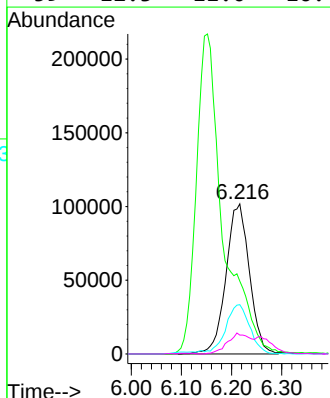
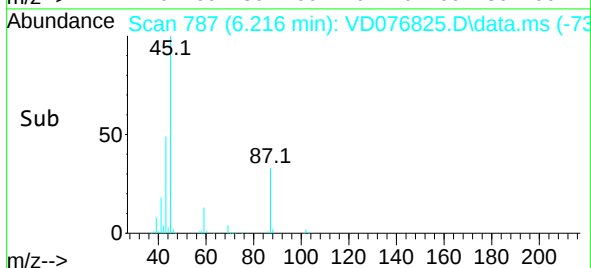
Reviewed By :John Carlone 07/28/2023
Supervised By :Mahesh Dadoda 07/28/2023

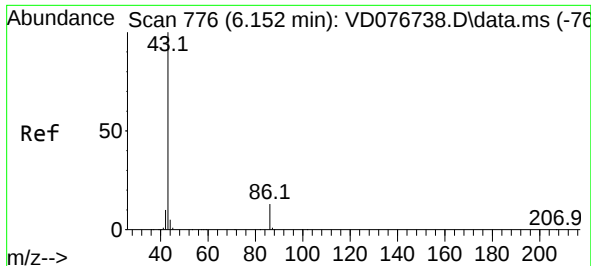


#22
Diisopropyl ether
Concen: 48.891 ug/l
RT: 6.216 min Scan# 787
Delta R.T. 0.000 min
Lab File: VD076825.D
Acq: 27 Jul 2023 09:33



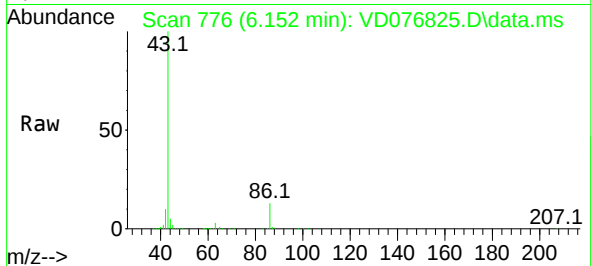
Tgt Ion: 45 Resp: 331293
Ion Ratio Lower Upper
45 100
43 47.0 40.0 60.0
87 32.7 28.2 42.4
59 12.3 11.0 16.4





#23
 Vinyl Acetate
 Concen: 240.233 ug/l
 RT: 6.152 min Scan# 776
 Delta R.T. -0.000 min
 Lab File: VD076825.D
 Acq: 27 Jul 2023 09:33

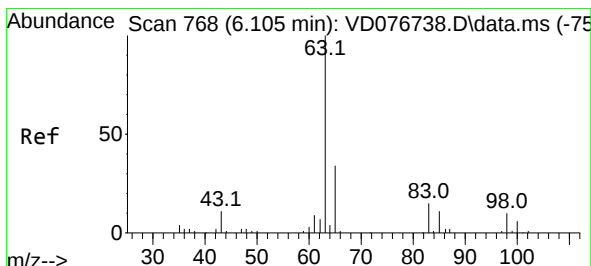
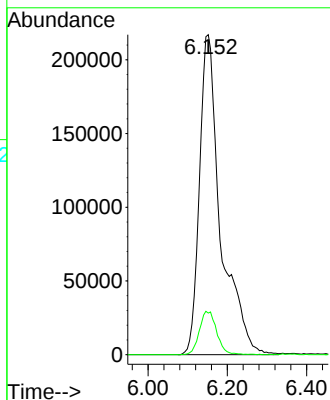
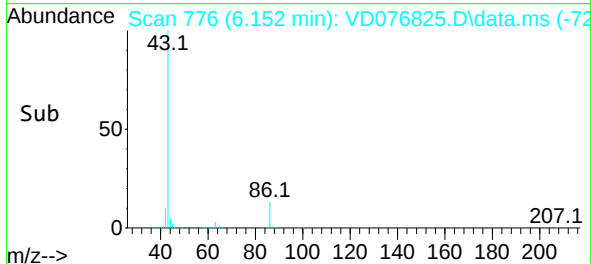
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050



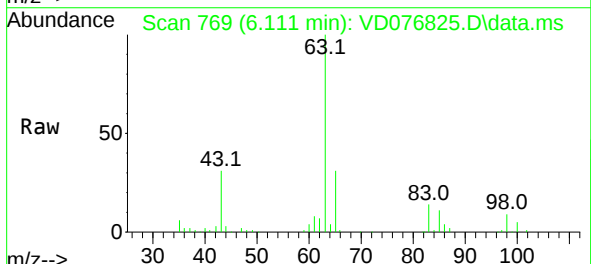
Tgt Ion: 43 Resp: 80543
 Ion Ratio Lower Upper
 43 100
 86 13.0 12.5 18.7

Manual Integrations
 APPROVED

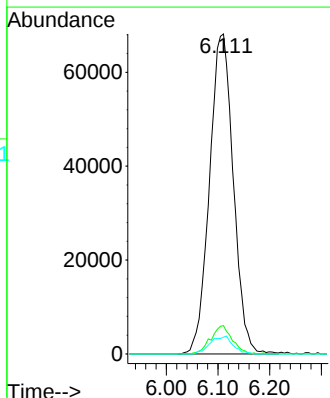
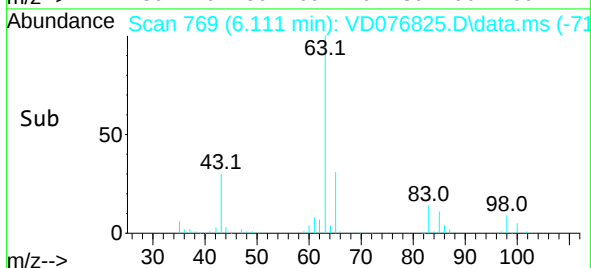
Reviewed By :John Carlone 07/28/2023
 Supervised By :Mahesh Dadoda 07/28/2023

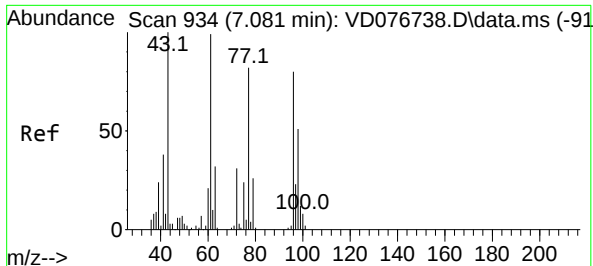


#24
 1,1-Dichloroethane
 Concen: 47.720 ug/l
 RT: 6.111 min Scan# 769
 Delta R.T. 0.006 min
 Lab File: VD076825.D
 Acq: 27 Jul 2023 09:33



Tgt Ion: 63 Resp: 218016
 Ion Ratio Lower Upper
 63 100
 98 8.8 4.5 13.7
 100 5.2 2.5 7.5





#25

2-Butanone

Concen: 254.979 ug/l

RT: 7.081 min Scan# 91

Delta R.T. 0.000 min

Lab File: VD076825.D

Acq: 27 Jul 2023 09:33

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tgt Ion: 43 Resp: 17894

Ion Ratio Lower Upper

43 100

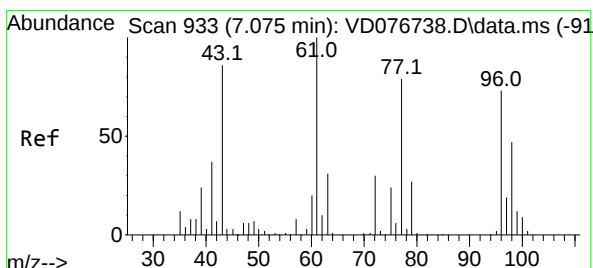
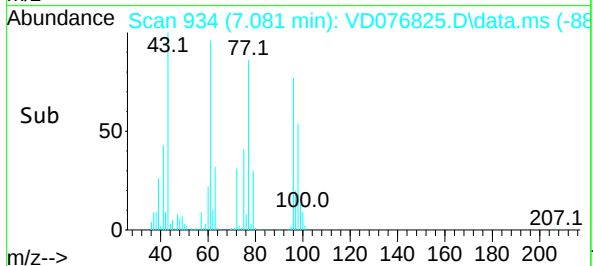
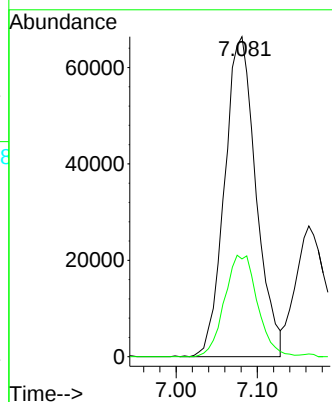
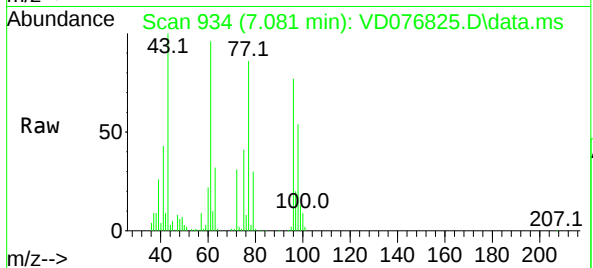
72 30.5 30.7 46.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/28/2023

Supervised By :Mahesh Dadoda 07/28/2023



#26

2,2-Dichloropropane

Concen: 49.659 ug/l

RT: 7.075 min Scan# 933

Delta R.T. 0.000 min

Lab File: VD076825.D

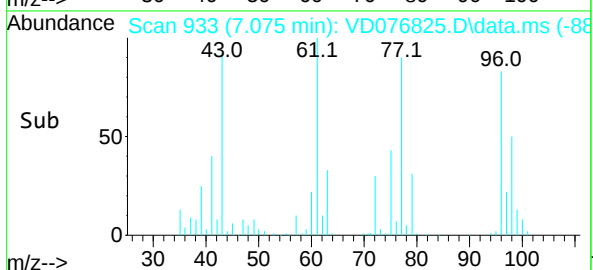
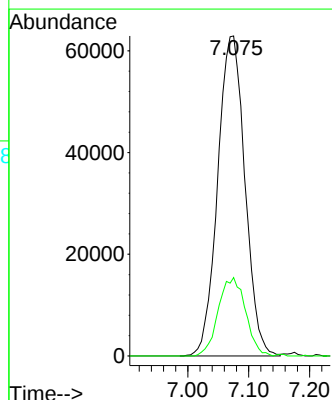
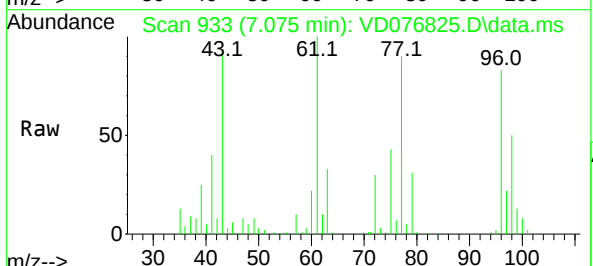
Acq: 27 Jul 2023 09:33

Tgt Ion: 77 Resp: 195573

Ion Ratio Lower Upper

77 100

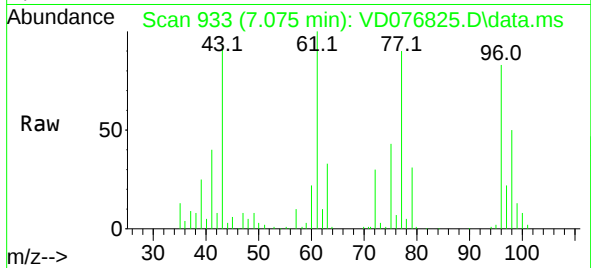
97 24.5 13.2 39.6





#27
 cis-1,2-Dichloroethene
 Concen: 49.407 ug/l
 RT: 7.075 min Scan# 91
 Delta R.T. 0.000 min
 Lab File: VD076825.D
 Acq: 27 Jul 2023 09:33

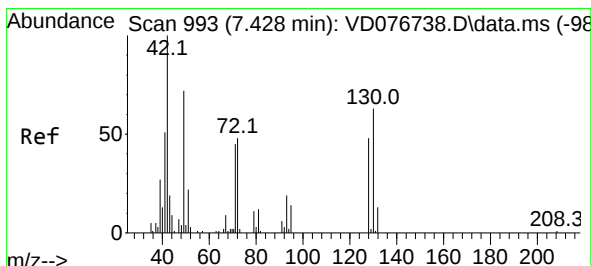
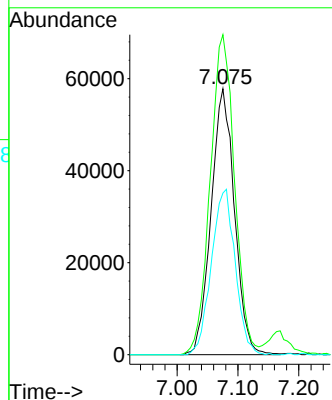
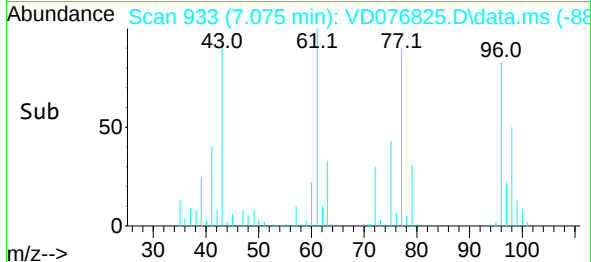
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050



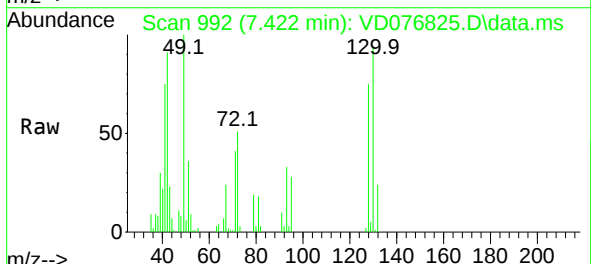
Tgt Ion: 96 Resp: 154220
 Ion Ratio Lower Upper
 96 100
 61 125.3 0.0 239.2
 98 63.4 0.0 128.6

Manual Integrations
 APPROVED

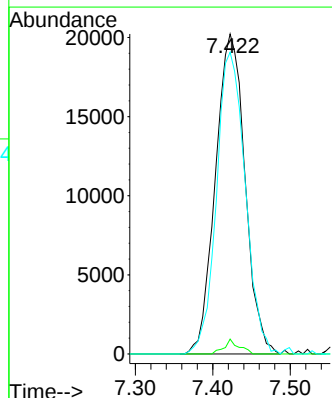
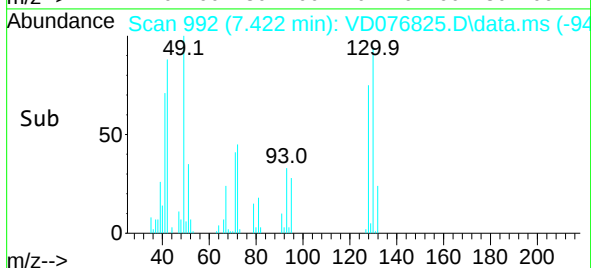
Reviewed By :John Carlone 07/28/2023
 Supervised By :Mahesh Dadoda 07/28/2023

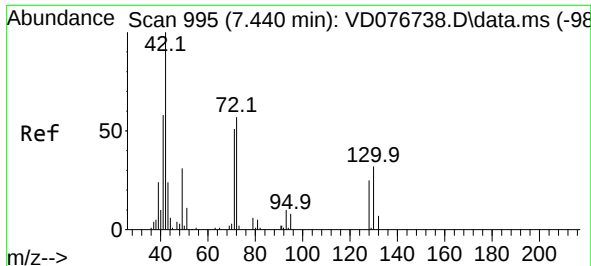


#28
 Bromochloromethane
 Concen: 46.895 ug/l
 RT: 7.422 min Scan# 992
 Delta R.T. -0.006 min
 Lab File: VD076825.D
 Acq: 27 Jul 2023 09:33



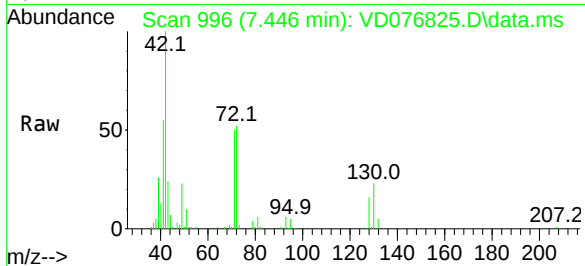
Tgt Ion: 49 Resp: 53565
 Ion Ratio Lower Upper
 49 100
 129 2.3 0.0 6.0
 130 91.7 83.2 124.8





#29
Tetrahydrofuran
Concen: 239.107 ug/l
RT: 7.446 min Scan# 995
Delta R.T. 0.006 min
Lab File: VD076825.D
Acq: 27 Jul 2023 09:33

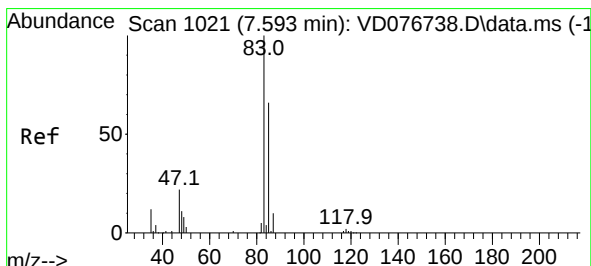
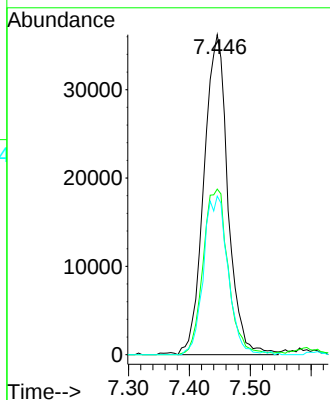
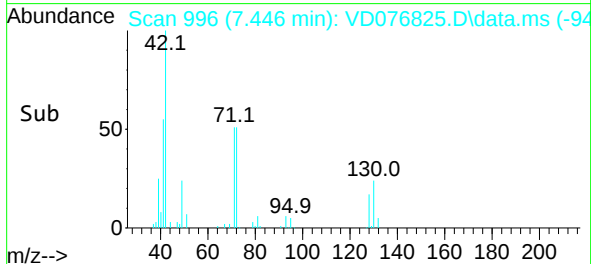
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050



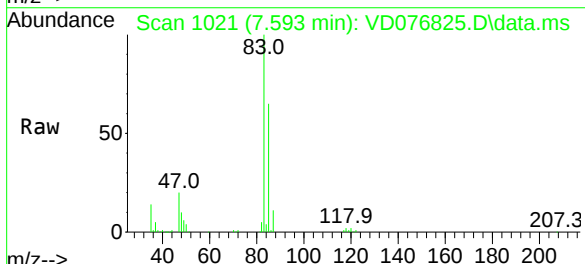
Tgt Ion: 42 Resp: 9914
Ion Ratio Lower Upper
42 100
72 54.1 46.5 69.7
71 50.1 44.5 66.7

Manual Integrations
APPROVED

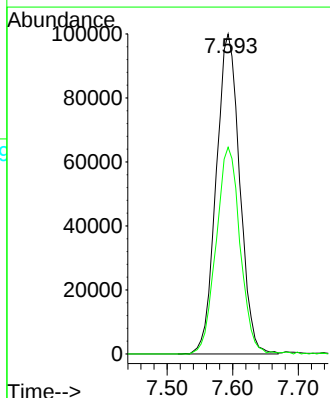
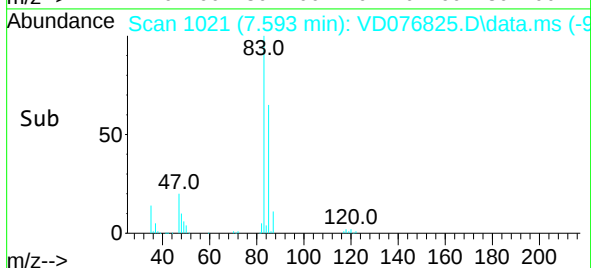
Reviewed By :John Carlone 07/28/2023
Supervised By :Mahesh Dadoda 07/28/2023

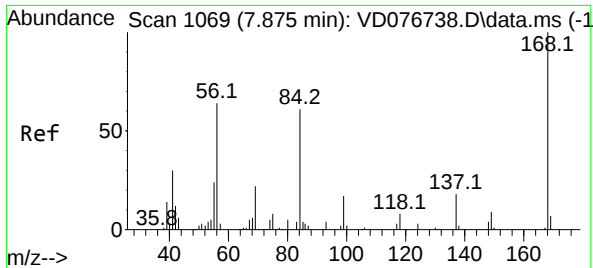


#30
Chloroform
Concen: 49.626 ug/l
RT: 7.593 min Scan# 1021
Delta R.T. -0.000 min
Lab File: VD076825.D
Acq: 27 Jul 2023 09:33



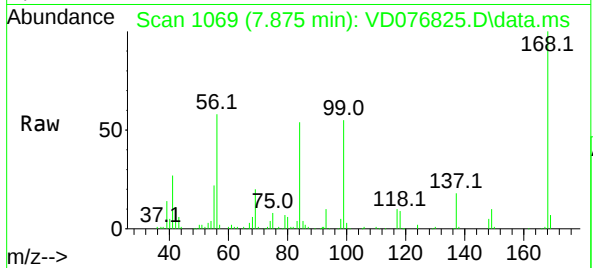
Tgt Ion: 83 Resp: 248328
Ion Ratio Lower Upper
83 100
85 64.6 53.4 80.2





#31
Cyclohexane
Concen: 42.140 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. 0.000 min
Lab File: VD076825.D
Acq: 27 Jul 2023 09:33

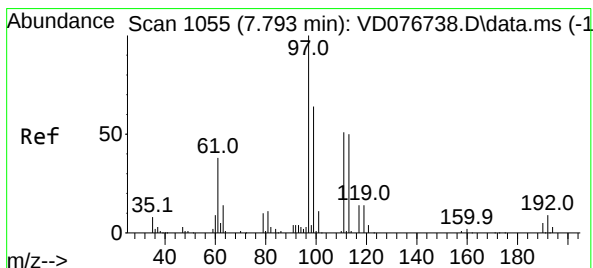
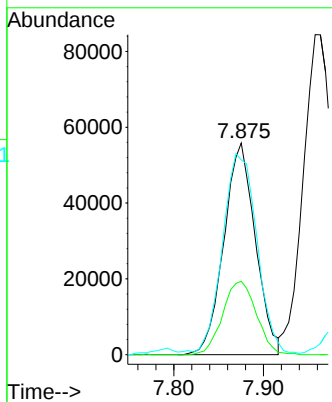
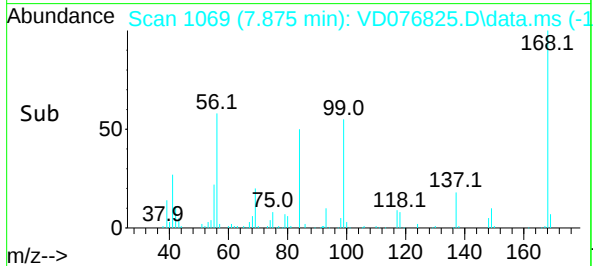
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050



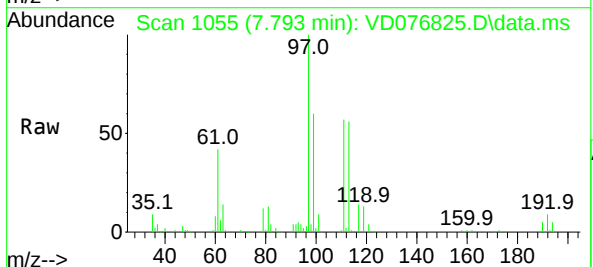
Tgt Ion: 56 Resp: 136170
Ion Ratio Lower Upper
56 100
69 34.7 28.6 43.0
84 90.8 84.8 127.2

Manual Integrations
APPROVED

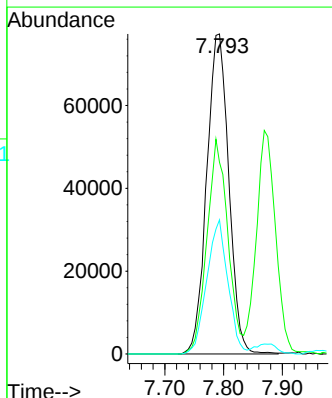
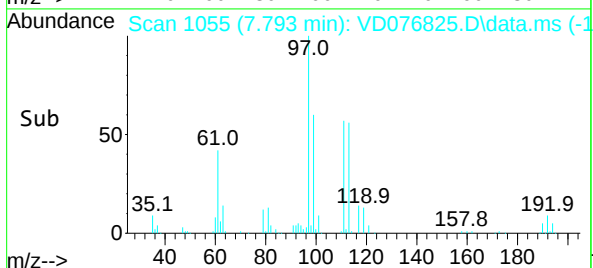
Reviewed By :John Carlone 07/28/2023
Supervised By :Mahesh Dadoda 07/28/2023

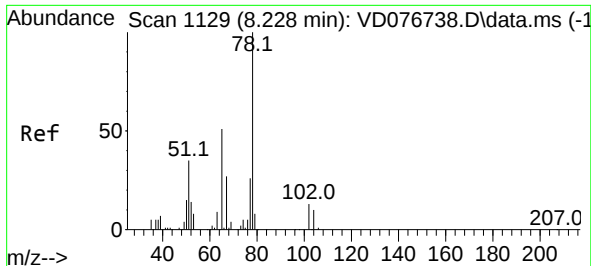


#32
1,1,1-Trichloroethane
Concen: 49.918 ug/l
RT: 7.793 min Scan# 1055
Delta R.T. -0.000 min
Lab File: VD076825.D
Acq: 27 Jul 2023 09:33



Tgt Ion: 97 Resp: 201534
Ion Ratio Lower Upper
97 100
99 63.8 52.0 78.0
61 40.1 33.8 50.8





#33

1,2-Dichloroethane-d4

Concen: 49.783 ug/l

RT: 8.228 min Scan# 1129

Delta R.T. 0.000 min

Lab File: VD076825.D

Acq: 27 Jul 2023 09:33

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tgt Ion: 65 Resp: 109300

Ion Ratio Lower Upper

65 100

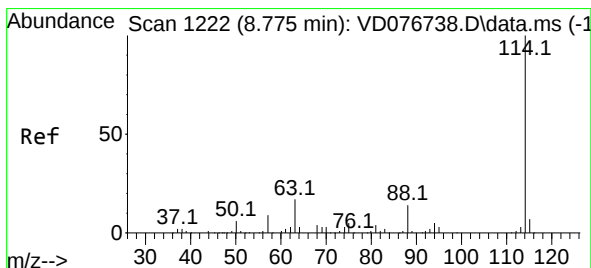
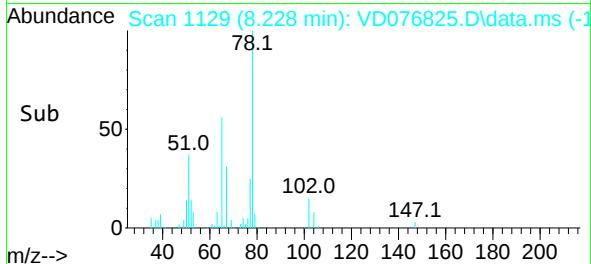
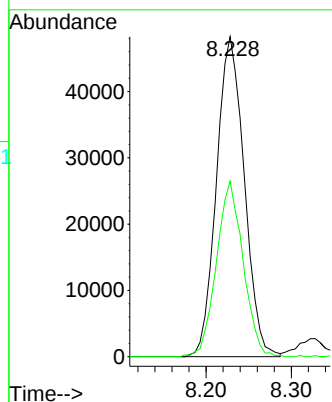
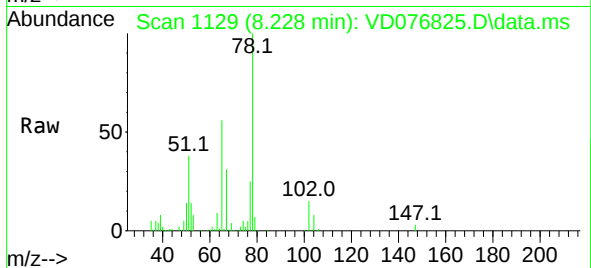
67 52.6 0.0 115.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/28/2023

Supervised By :Mahesh Dadoda 07/28/2023



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.775 min Scan# 1222

Delta R.T. 0.000 min

Lab File: VD076825.D

Acq: 27 Jul 2023 09:33

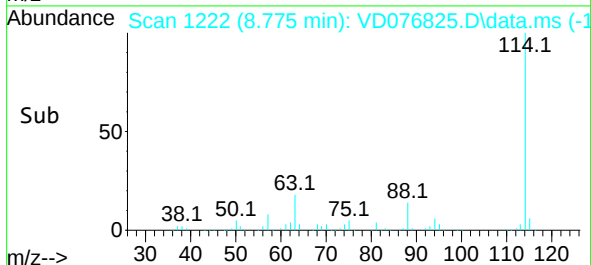
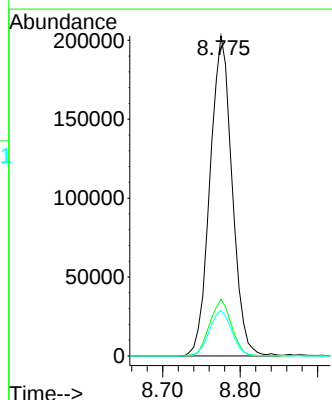
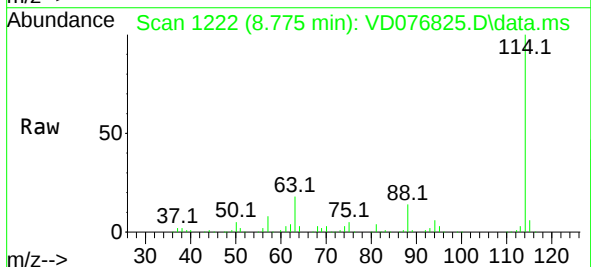
Tgt Ion:114 Resp: 403222

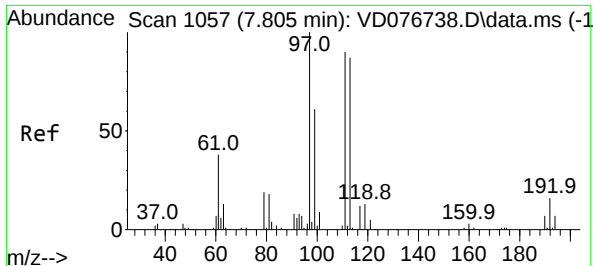
Ion Ratio Lower Upper

114 100

63 17.7 0.0 33.4

88 14.2 0.0 26.2





#35

Dibromofluoromethane

Concen: 50.286 ug/l

RT: 7.799 min Scan# 1056

Delta R.T. -0.006 min

Lab File: VD076825.D

Acq: 27 Jul 2023 09:33

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tgt Ion:113 Resp: 127419

Ion Ratio Lower Upper

113 100

111 104.2 84.7 127.1

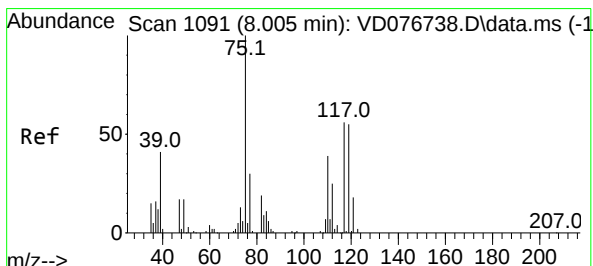
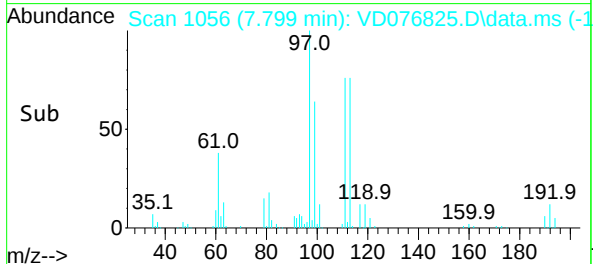
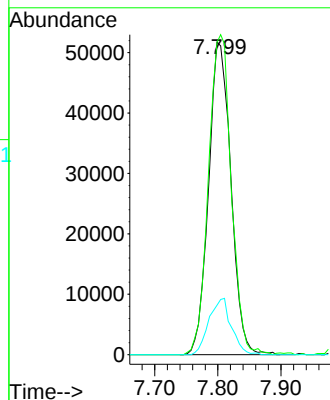
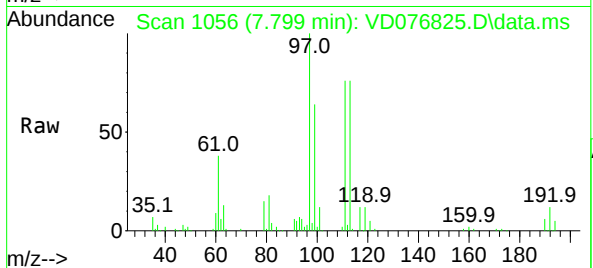
192 18.0 16.8 25.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/28/2023

Supervised By :Mahesh Dadoda 07/28/2023



#36

1,1-Dichloropropene

Concen: 48.198 ug/l

RT: 8.005 min Scan# 1091

Delta R.T. -0.000 min

Lab File: VD076825.D

Acq: 27 Jul 2023 09:33

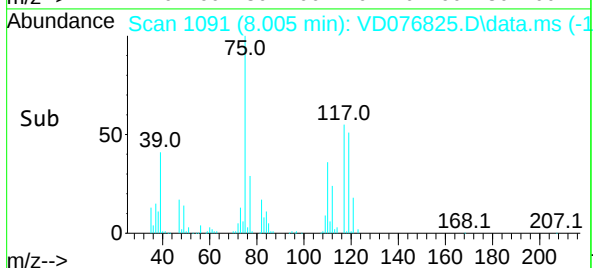
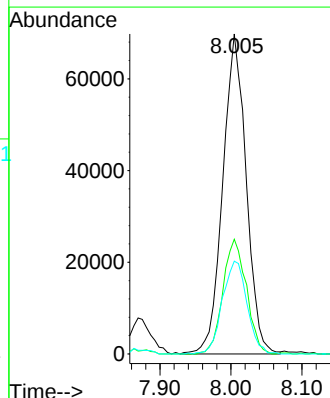
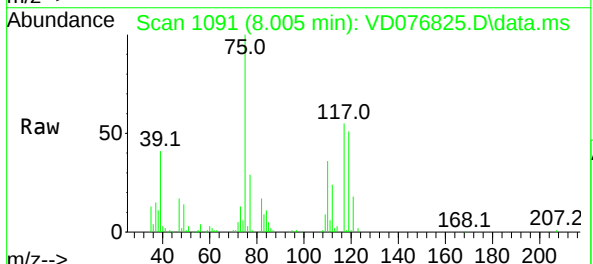
Tgt Ion: 75 Resp: 159589

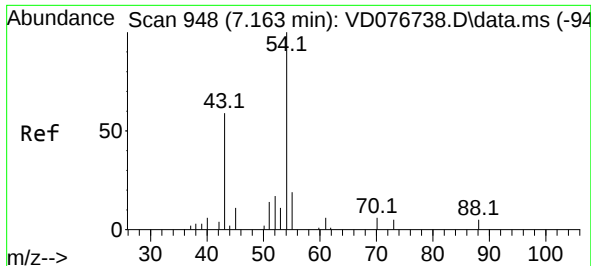
Ion Ratio Lower Upper

75 100

110 36.0 19.9 59.6

77 30.6 24.7 37.1





#37

Ethyl Acetate

Concen: 48.604 ug/l

RT: 7.163 min Scan# 948

Delta R.T. 0.000 min

Lab File: VD076825.D

Acq: 27 Jul 2023 09:33

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

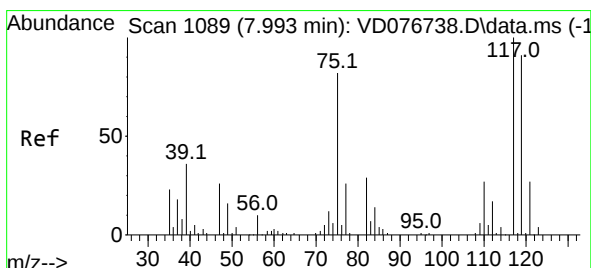
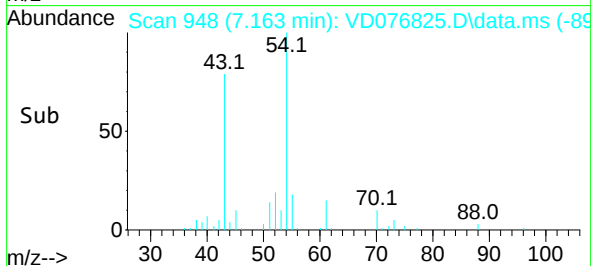
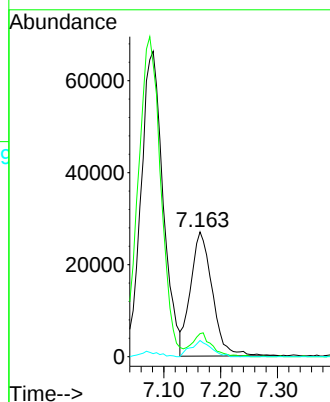
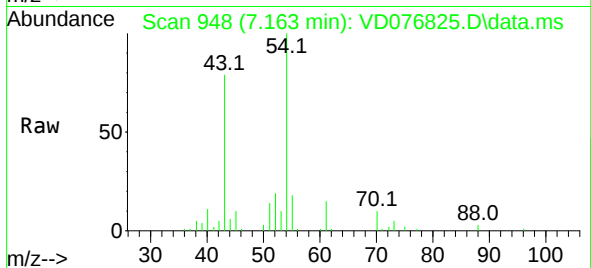
Tgt Ion:	43	Resp:	7197
Ion	Ratio	Lower	Upper
43	100		
61	17.2	14.9	22.3
70	12.0	10.0	15.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/28/2023

Supervised By :Mahesh Dadoda 07/28/2023



#38

Carbon Tetrachloride

Concen: 49.131 ug/l

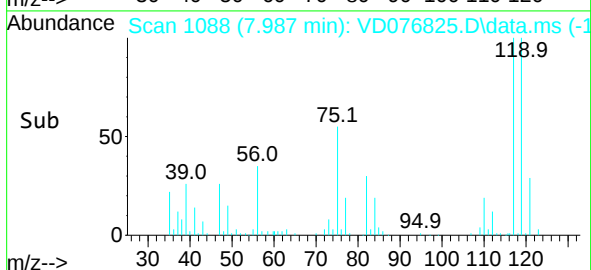
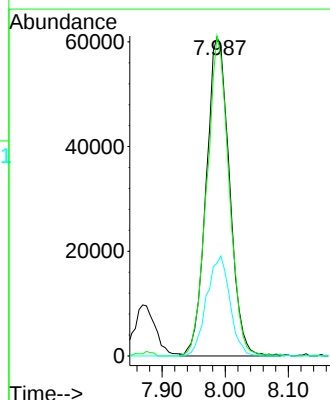
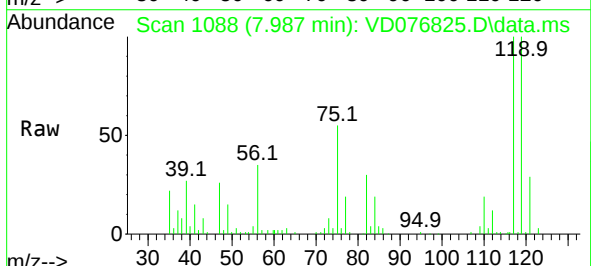
RT: 7.987 min Scan# 1088

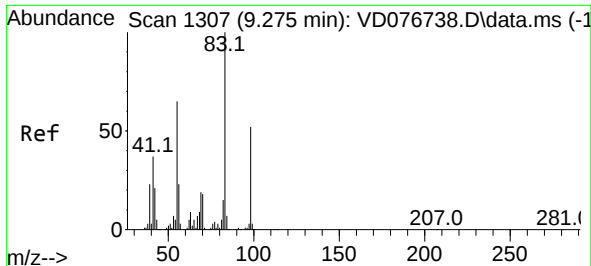
Delta R.T. -0.006 min

Lab File: VD076825.D

Acq: 27 Jul 2023 09:33

Tgt Ion:	117	Resp:	155767
Ion	Ratio	Lower	Upper
117	100		
119	100.4	78.0	117.0
121	29.1	24.2	36.2





#39

Methylcyclohexane

Concen: 44.847 ug/l

RT: 9.269 min Scan# 11306

Delta R.T. -0.006 min

Lab File: VD076825.D

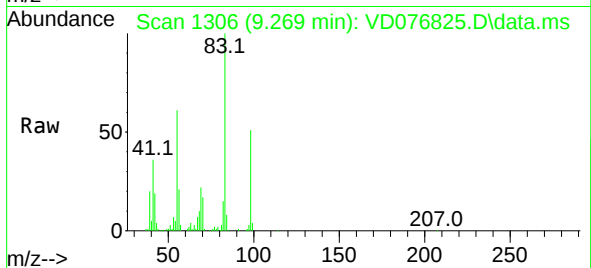
Acq: 27 Jul 2023 09:33

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050



Tgt Ion: 83 Resp: 171458

Ion Ratio Lower Upper

83 100

55 60.9 49.4 74.0

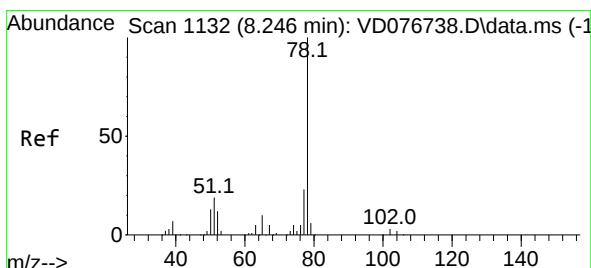
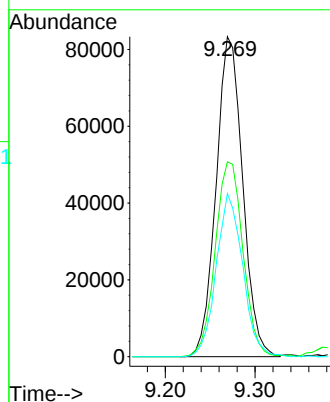
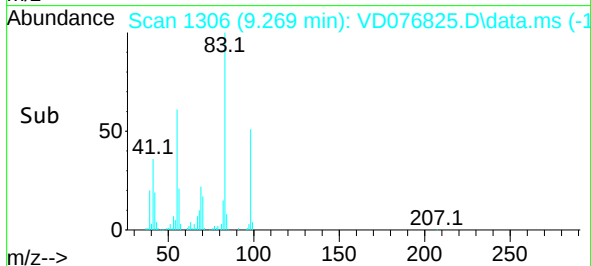
98 51.0 38.4 57.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/28/2023

Supervised By :Mahesh Dadoda 07/28/2023



#40

Benzene

Concen: 47.367 ug/l

RT: 8.246 min Scan# 1132

Delta R.T. -0.000 min

Lab File: VD076825.D

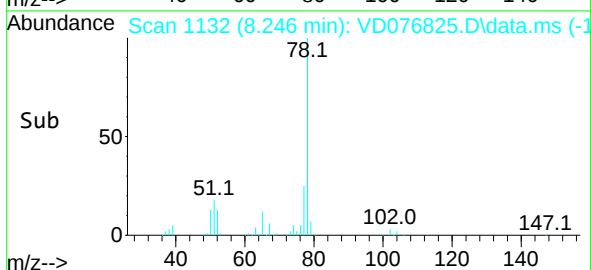
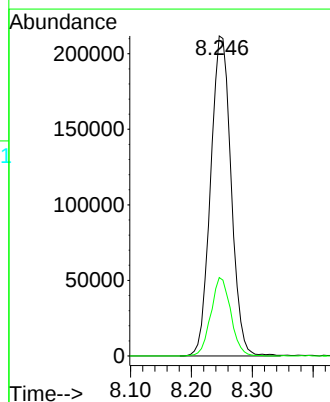
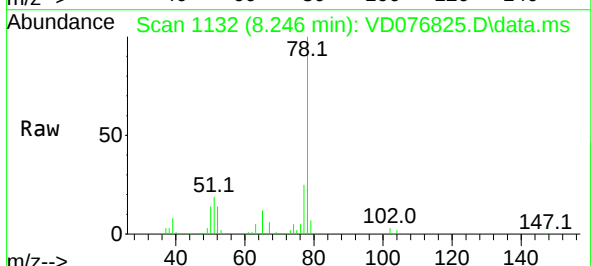
Acq: 27 Jul 2023 09:33

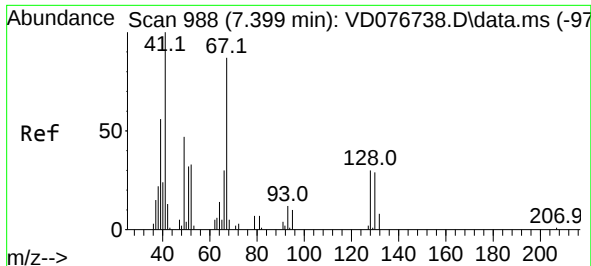
Tgt Ion: 78 Resp: 494857

Ion Ratio Lower Upper

78 100

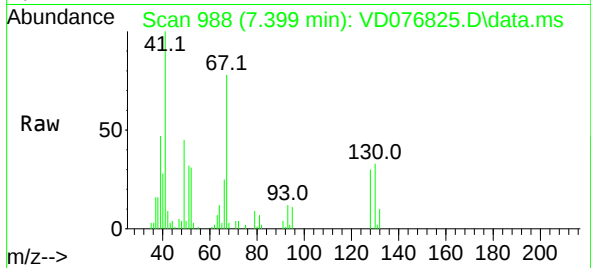
77 24.5 19.4 29.0





#41
Methacrylonitrile
Concen: 48.012 ug/l
RT: 7.399 min Scan# 988
Delta R.T. -0.000 min
Lab File: VD076825.D
Acq: 27 Jul 2023 09:33

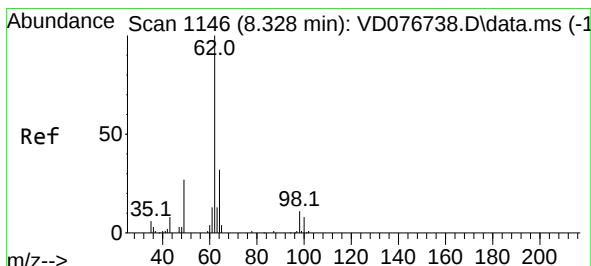
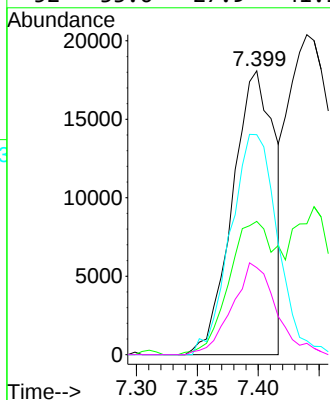
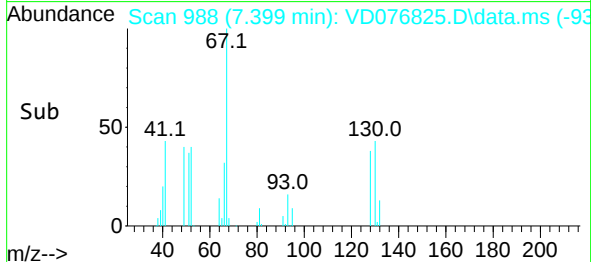
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050



Tgt Ion: 41 Resp: 43414
Ion Ratio Lower Upper
41 100
39 56.2 34.0 51.0
67 86.8 77.0 115.4
52 33.6 27.9 41.9

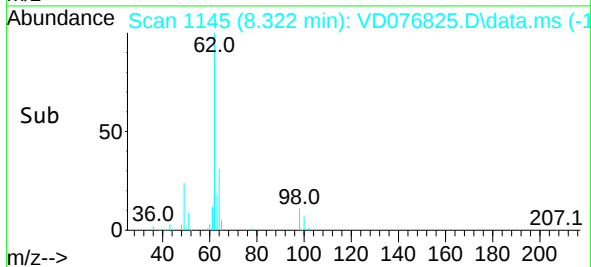
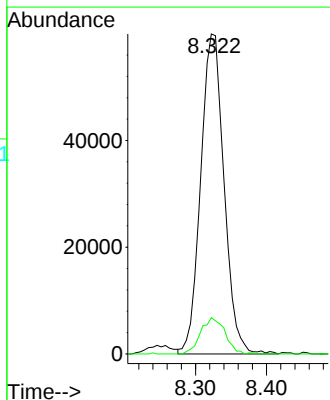
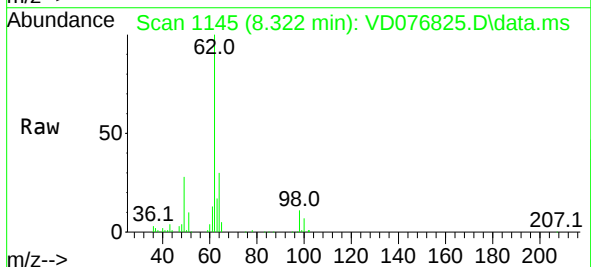
Manual Integrations
APPROVED

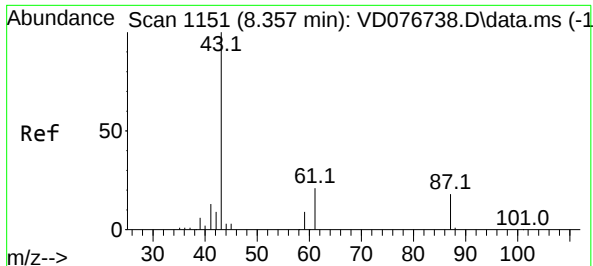
Reviewed By :John Carlone 07/28/2023
Supervised By :Mahesh Dadoda 07/28/2023



#42
1,2-Dichloroethane
Concen: 50.530 ug/l
RT: 8.322 min Scan# 1145
Delta R.T. -0.006 min
Lab File: VD076825.D
Acq: 27 Jul 2023 09:33

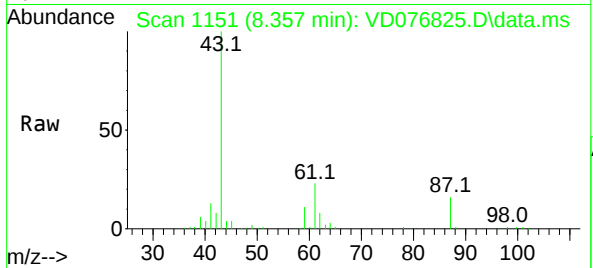
Tgt Ion: 62 Resp: 137165
Ion Ratio Lower Upper
62 100
98 11.9 0.0 25.4





#43
Isopropyl Acetate
Concen: 49.493 ug/l
RT: 8.357 min Scan# 1151
Delta R.T. 0.000 min
Lab File: VD076825.D
Acq: 27 Jul 2023 09:33

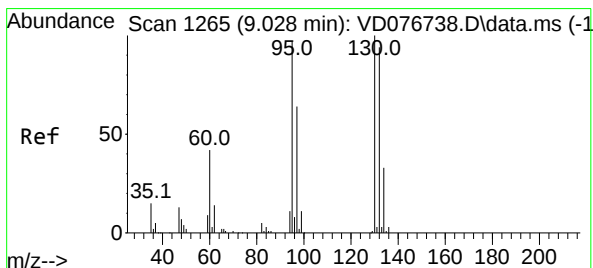
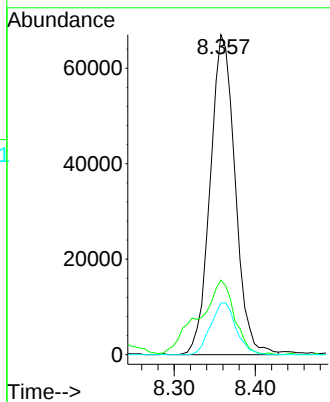
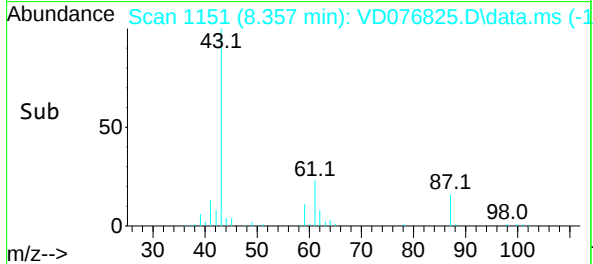
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050



Tgt Ion: 43 Resp: 143020
Ion Ratio Lower Upper
43 100
61 33.4 31.4 47.0
87 16.5 14.9 22.3

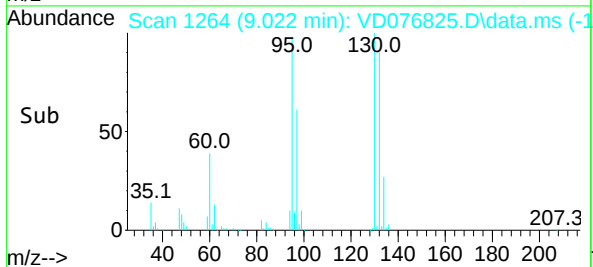
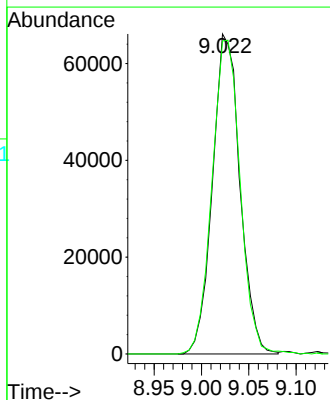
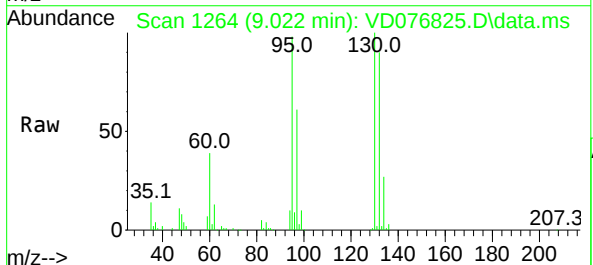
Manual Integrations
APPROVED

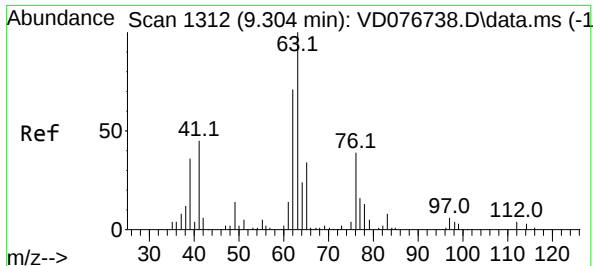
Reviewed By :John Carlone 07/28/2023
Supervised By :Mahesh Dadoda 07/28/2023



#44
Trichloroethene
Concen: 46.758 ug/l
RT: 9.022 min Scan# 1264
Delta R.T. -0.006 min
Lab File: VD076825.D
Acq: 27 Jul 2023 09:33

Tgt Ion:130 Resp: 133116
Ion Ratio Lower Upper
130 100
95 97.8 0.0 179.2





#45

1,2-Dichloropropane

Concen: 47.568 ug/l

RT: 9.305 min Scan# 1312

Delta R.T. 0.001 min

Lab File: VD076825.D

Acq: 27 Jul 2023 09:33

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tgt Ion: 63 Resp: 12828

Ion Ratio Lower Upper

63 100

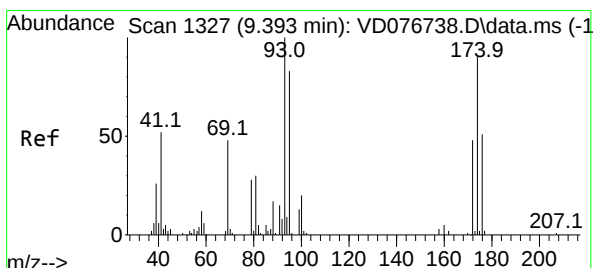
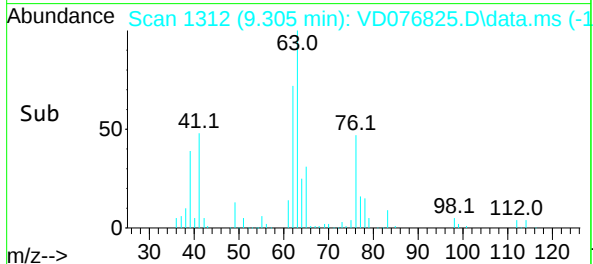
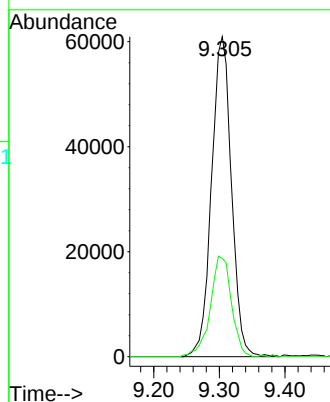
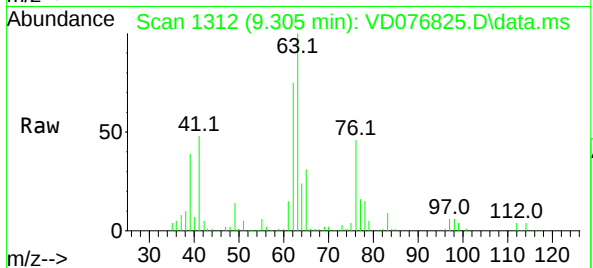
65 30.7 24.5 36.7

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/28/2023

Supervised By :Mahesh Dadoda 07/28/2023



#46

Dibromomethane

Concen: 48.588 ug/l

RT: 9.393 min Scan# 1327

Delta R.T. -0.000 min

Lab File: VD076825.D

Acq: 27 Jul 2023 09:33

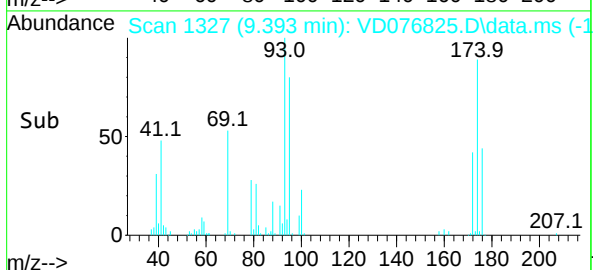
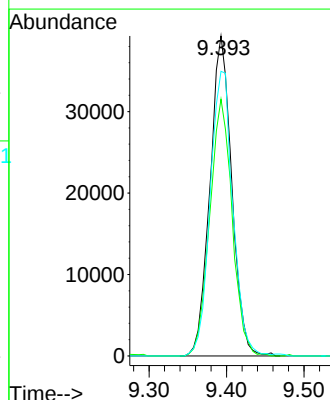
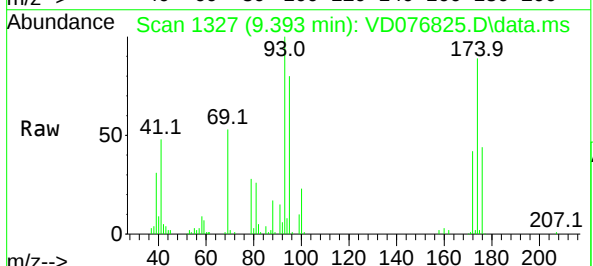
Tgt Ion: 93 Resp: 76699

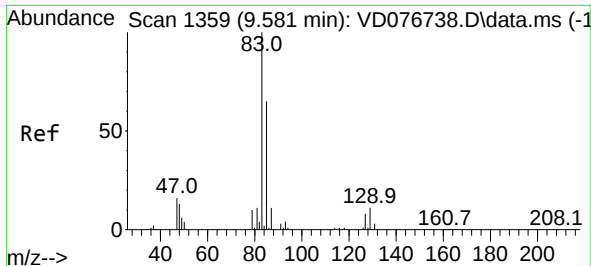
Ion Ratio Lower Upper

93 100

95 82.4 67.7 101.5

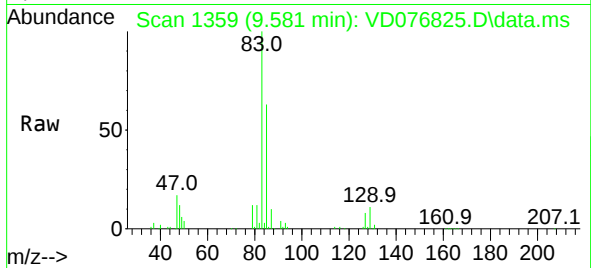
174 93.0 85.4 128.2





#47
Bromodichloromethane
Concen: 48.550 ug/l
RT: 9.581 min Scan# 1359
Delta R.T. -0.000 min
Lab File: VD076825.D
Acq: 27 Jul 2023 09:33

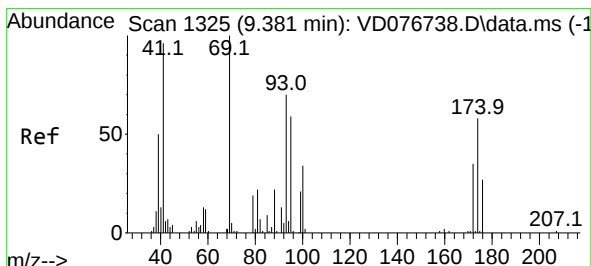
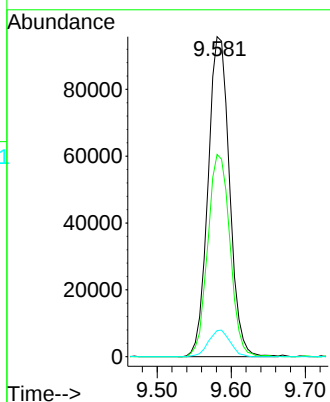
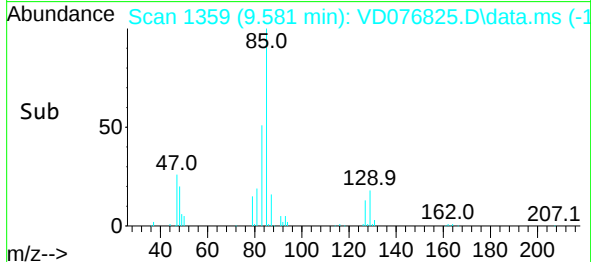
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050



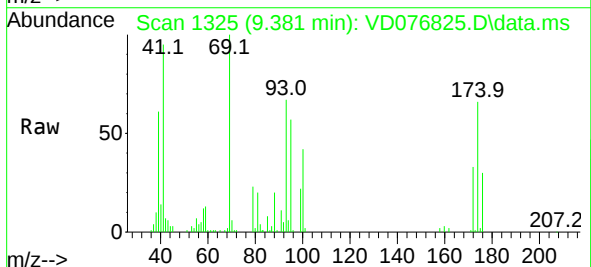
Tgt Ion: 83 Resp: 192324
Ion Ratio Lower Upper
83 100
85 63.2 50.2 75.4
127 8.2 6.3 9.5

Manual Integrations
APPROVED

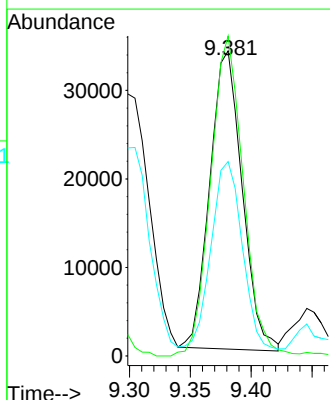
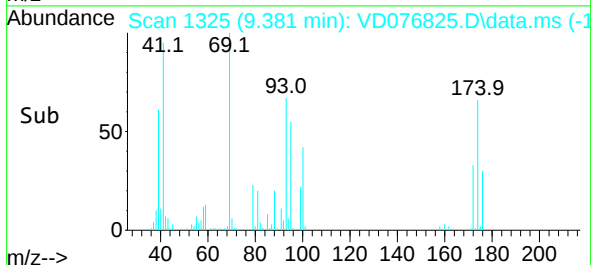
Reviewed By :John Carlone 07/28/2023
Supervised By :Mahesh Dadoda 07/28/2023

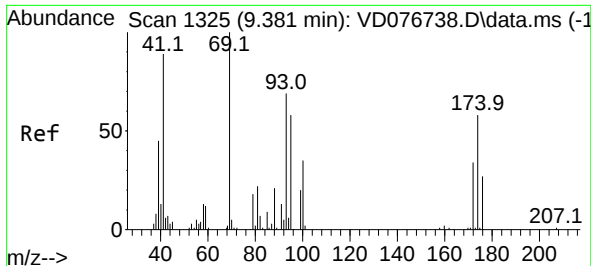


#48
Methyl methacrylate
Concen: 47.318 ug/l
RT: 9.381 min Scan# 1325
Delta R.T. -0.000 min
Lab File: VD076825.D
Acq: 27 Jul 2023 09:33



Tgt Ion: 41 Resp: 62236
Ion Ratio Lower Upper
41 100
69 108.4 102.2 153.2
39 64.5 41.4 62.2#





#49

1,4-Dioxane

Concen: 861.030 ug/l

RT: 9.381 min Scan# 11

Delta R.T. -0.000 min

Lab File: VD076825.D

Acq: 27 Jul 2023 09:33

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

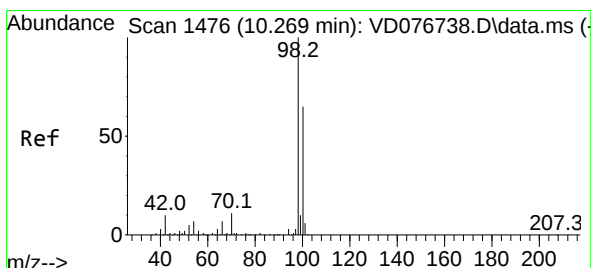
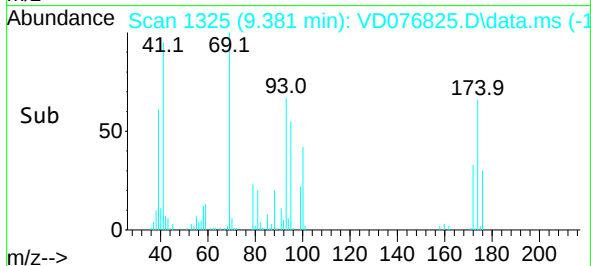
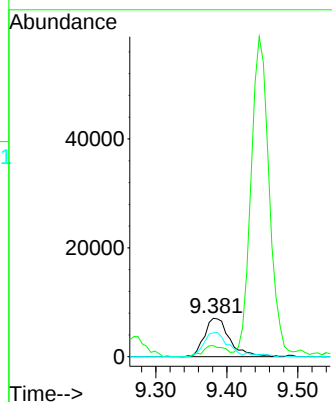
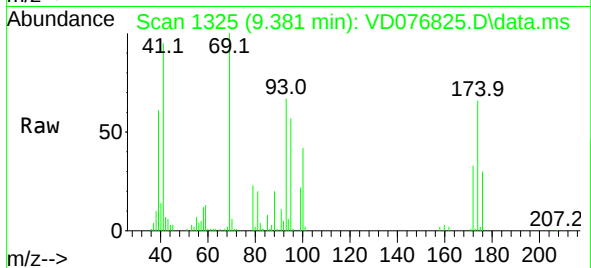
Tgt Ion:	88	Resp:	17414
Ion	Ratio	Lower	Upper
88	100		
43	25.2	19.0	28.6
58	58.6	43.5	65.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/28/2023

Supervised By :Mahesh Dadoda 07/28/2023



#50

Toluene-d8

Concen: 46.844 ug/l

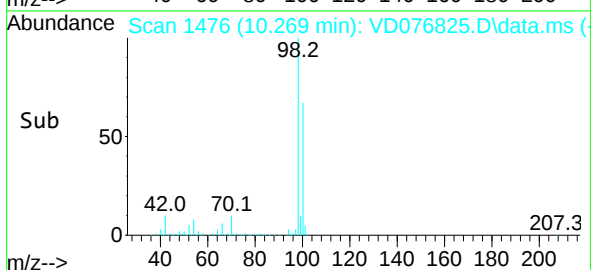
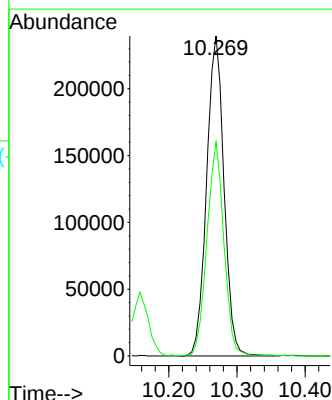
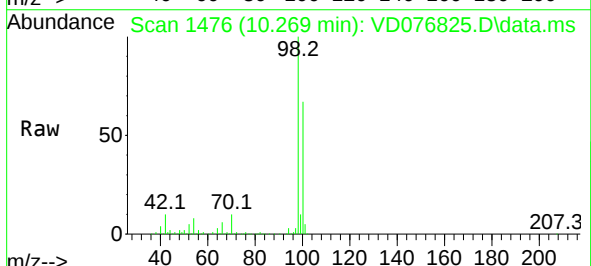
RT: 10.269 min Scan# 1476

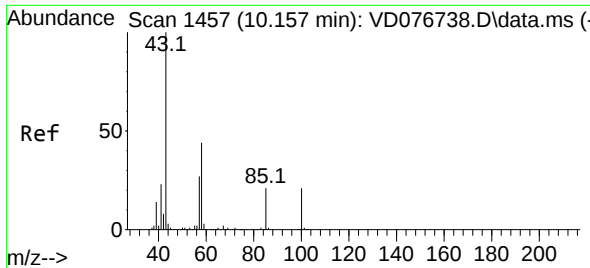
Delta R.T. 0.000 min

Lab File: VD076825.D

Acq: 27 Jul 2023 09:33

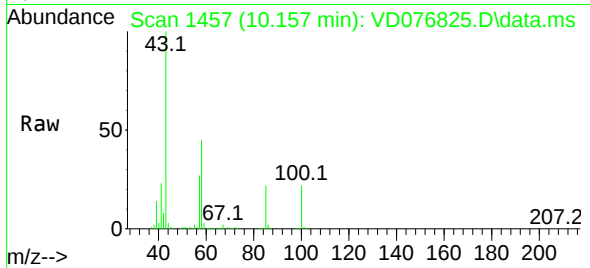
Tgt Ion:	98	Resp:	424627
Ion	Ratio	Lower	Upper
98	100		
100	64.7	50.3	75.5





#51
4-Methyl-2-Pentanone
Concen: 242.817 ug/l
RT: 10.157 min Scan# 1457
Delta R.T. 0.000 min
Lab File: VD076825.D
Acq: 27 Jul 2023 09:33

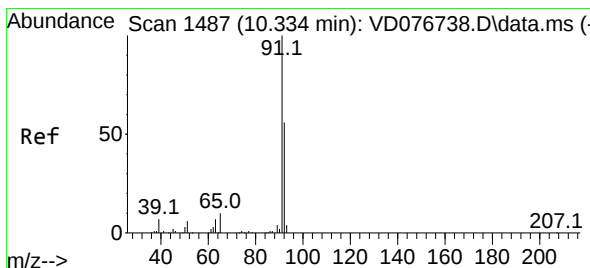
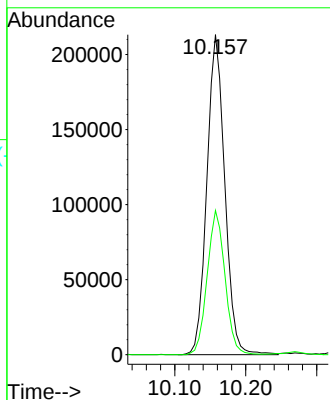
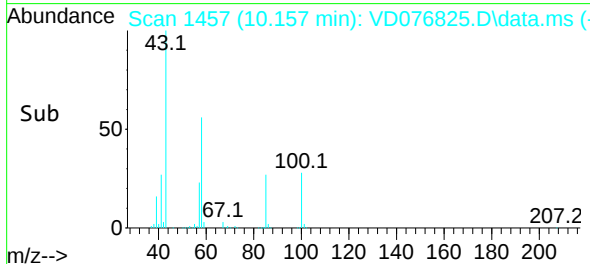
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050



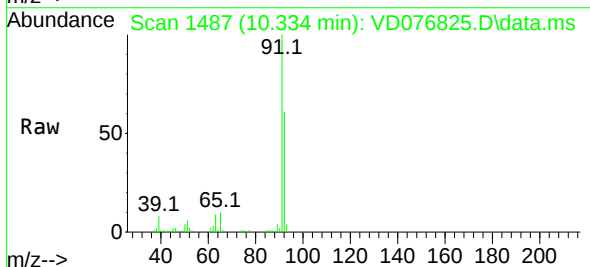
Tgt Ion: 43 Resp: 373607
Ion Ratio Lower Upper
43 100
58 44.8 38.9 58.3

Manual Integrations
APPROVED

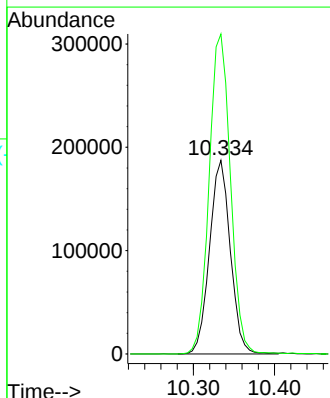
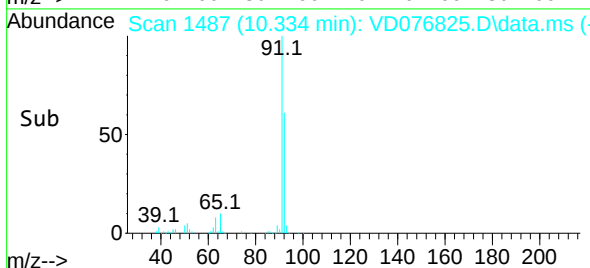
Reviewed By :John Carlone 07/28/2023
Supervised By :Mahesh Dadoda 07/28/2023



#52
Toluene
Concen: 48.632 ug/l
RT: 10.334 min Scan# 1487
Delta R.T. -0.000 min
Lab File: VD076825.D
Acq: 27 Jul 2023 09:33



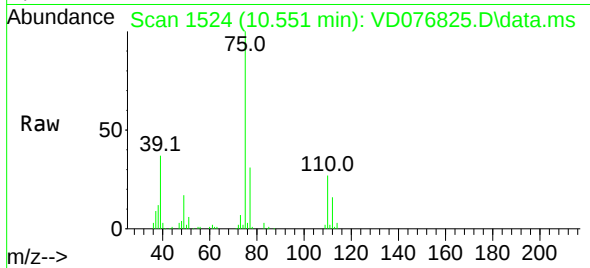
Tgt Ion: 92 Resp: 333695
Ion Ratio Lower Upper
92 100
91 169.0 143.0 214.4





#53
 t-1,3-Dichloropropene
 Concen: 49.675 ug/l
 RT: 10.551 min Scan# 1524
 Delta R.T. 0.000 min
 Lab File: VD076825.D
 Acq: 27 Jul 2023 09:33

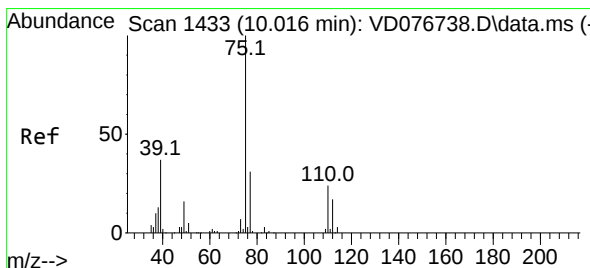
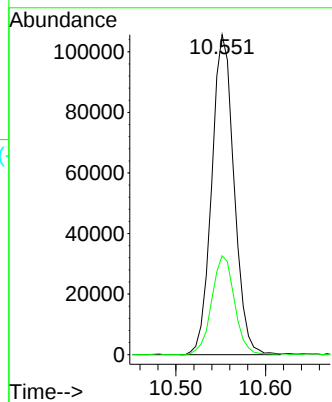
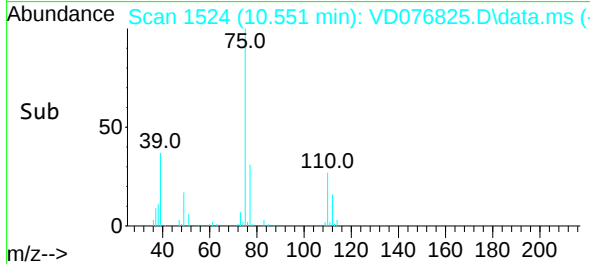
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050



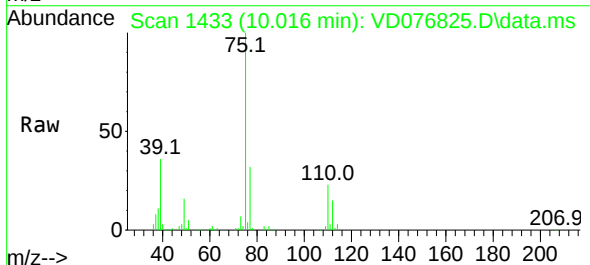
Tgt Ion: 75 Resp: 182649
 Ion Ratio Lower Upper
 75 100
 77 30.9 25.3 37.9

Manual Integrations
 APPROVED

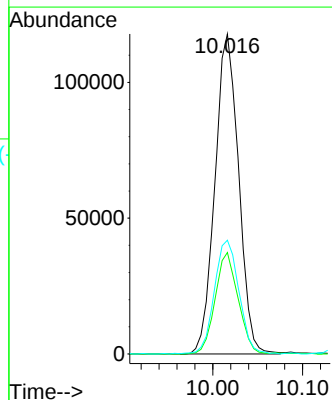
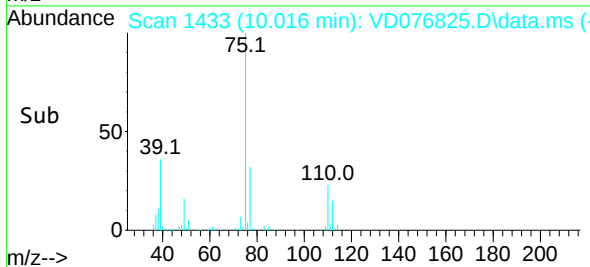
Reviewed By :John Carlone 07/28/2023
 Supervised By :Mahesh Dadoda 07/28/2023

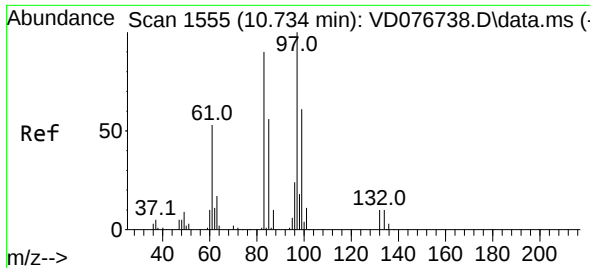


#54
 cis-1,3-Dichloropropene
 Concen: 49.779 ug/l
 RT: 10.016 min Scan# 1433
 Delta R.T. 0.000 min
 Lab File: VD076825.D
 Acq: 27 Jul 2023 09:33



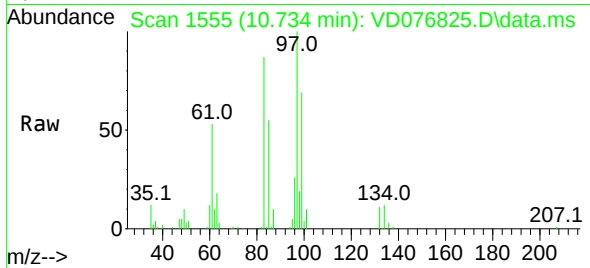
Tgt Ion: 75 Resp: 215708
 Ion Ratio Lower Upper
 75 100
 77 31.7 25.5 38.3
 39 35.6 22.1 33.1#





#55
1,1,2-Trichloroethane
Concen: 47.485 ug/l
RT: 10.734 min Scan# 1555
Delta R.T. -0.000 min
Lab File: VD076825.D
Acq: 27 Jul 2023 09:33

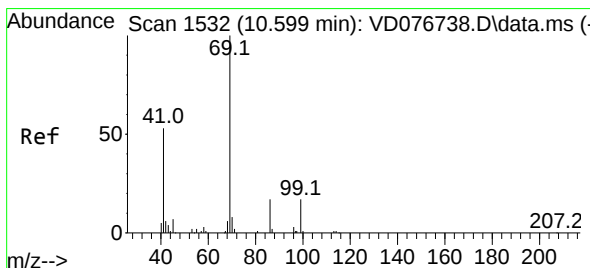
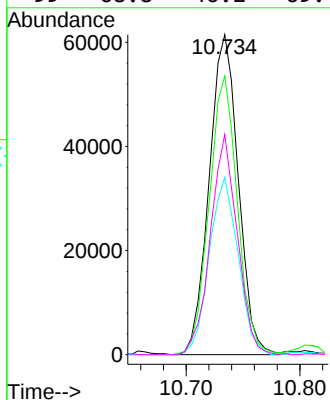
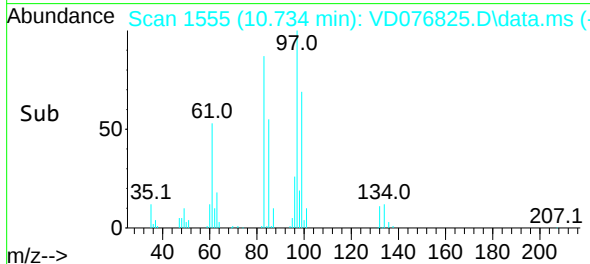
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050



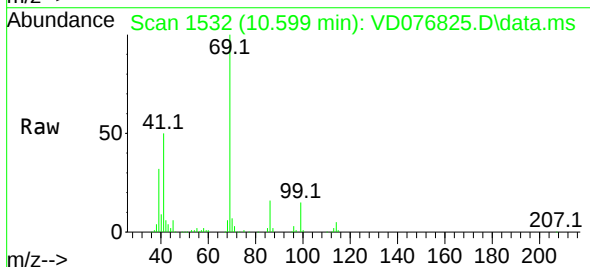
Tgt Ion:	97	Resp:	109458
Ion	Ratio	Lower	Upper
97	100		
83	86.8	65.8	98.6
85	55.5	45.7	68.5
99	68.8	46.2	69.4

Manual Integrations
APPROVED

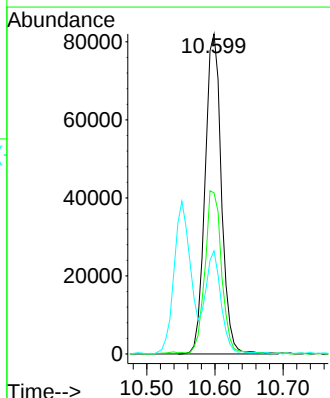
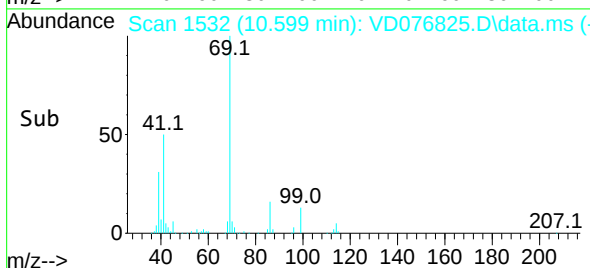
Reviewed By :John Carlone 07/28/2023
Supervised By :Mahesh Dadoda 07/28/2023

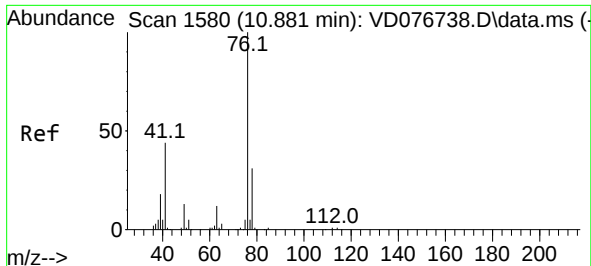


#56
Ethyl methacrylate
Concen: 51.397 ug/l
RT: 10.599 min Scan# 1532
Delta R.T. -0.000 min
Lab File: VD076825.D
Acq: 27 Jul 2023 09:33



Tgt Ion:	69	Resp:	136744
Ion	Ratio	Lower	Upper
69	100		
41	51.0	39.1	58.7
39	30.9	20.0	30.0





#57

1,3-Dichloropropane

Concen: 46.948 ug/l

RT: 10.875 min Scan# 1580

Delta R.T. -0.006 min

Lab File: VD076825.D

Acq: 27 Jul 2023 09:33

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tgt Ion: 76 Resp: 176239

Ion Ratio Lower Upper

76 100

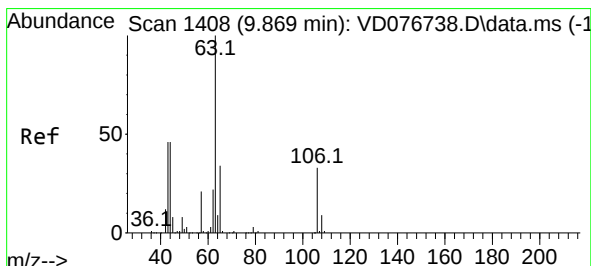
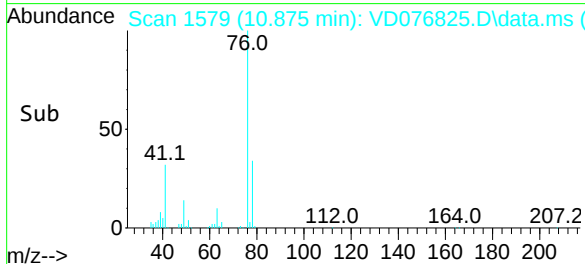
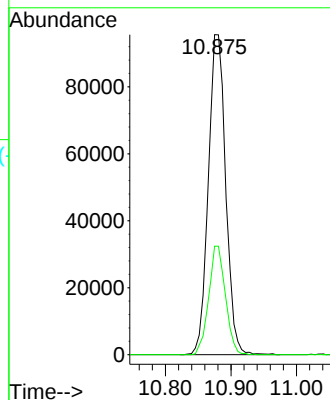
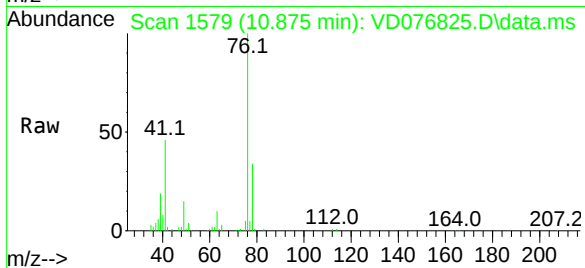
78 32.6 26.4 39.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/28/2023

Supervised By :Mahesh Dadoda 07/28/2023



#58

2-Chloroethyl Vinyl ether

Concen: 231.441 ug/l

RT: 9.869 min Scan# 1408

Delta R.T. 0.000 min

Lab File: VD076825.D

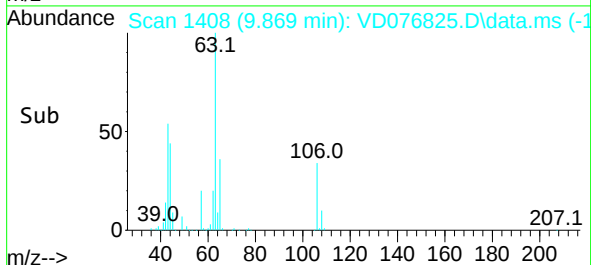
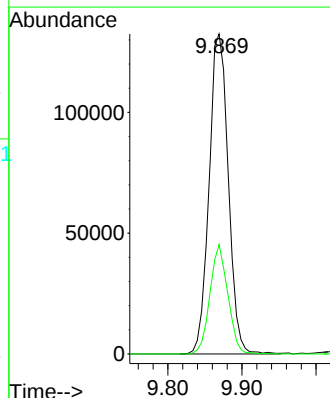
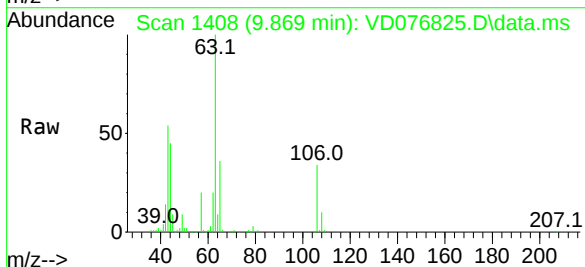
Acq: 27 Jul 2023 09:33

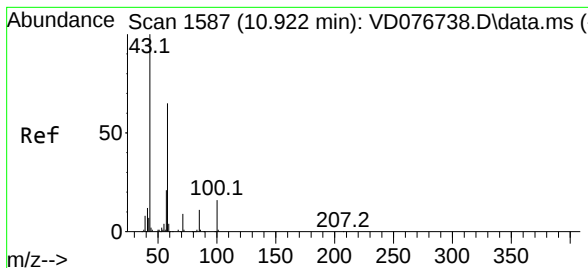
Tgt Ion: 63 Resp: 238346

Ion Ratio Lower Upper

63 100

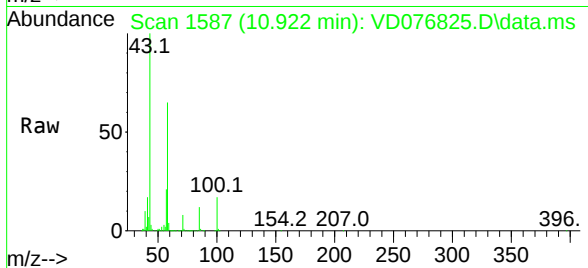
106 31.9 25.3 37.9





#59
2-Hexanone
Concen: 252.738 ug/l
RT: 10.922 min Scan# 11
Delta R.T. 0.000 min
Lab File: VD076825.D
Acq: 27 Jul 2023 09:33

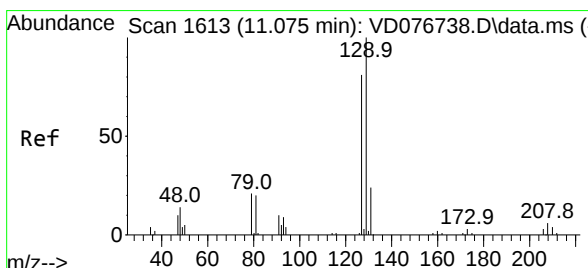
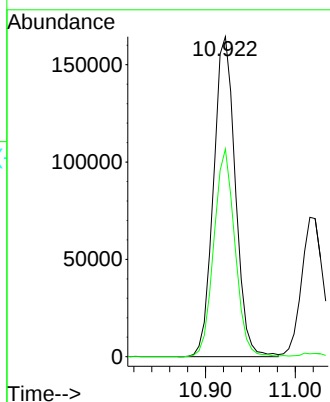
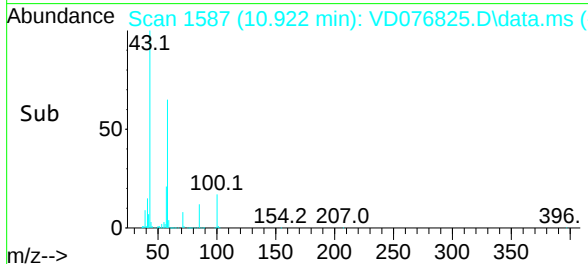
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050



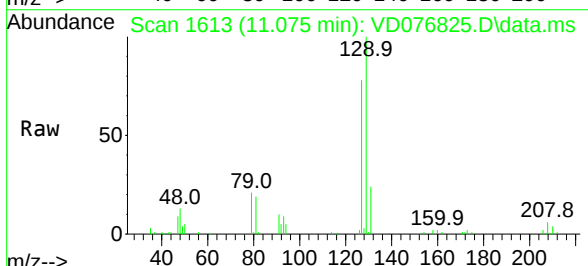
Tgt Ion: 43 Resp: 27747
Ion Ratio Lower Upper
43 100
58 62.6 34.1 102.2

Manual Integrations
APPROVED

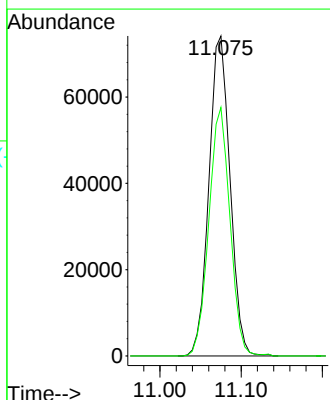
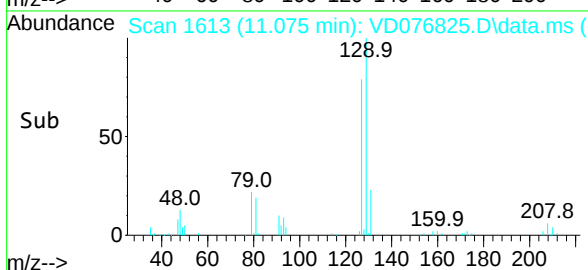
Reviewed By :John Carlone 07/28/2023
Supervised By :Mahesh Dadoda 07/28/2023

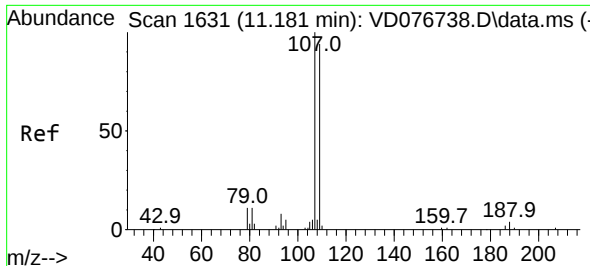


#60
Dibromochloromethane
Concen: 50.031 ug/l
RT: 11.075 min Scan# 1613
Delta R.T. -0.000 min
Lab File: VD076825.D
Acq: 27 Jul 2023 09:33



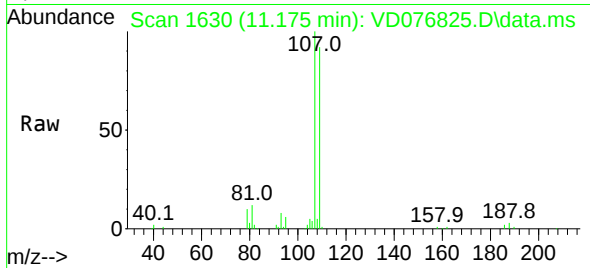
Tgt Ion:129 Resp: 133975
Ion Ratio Lower Upper
129 100
127 77.7 37.1 111.5





#61
1,2-Dibromoethane
Concen: 47.681 ug/l
RT: 11.175 min Scan# 1630
Delta R.T. -0.006 min
Lab File: VD076825.D
Acq: 27 Jul 2023 09:33

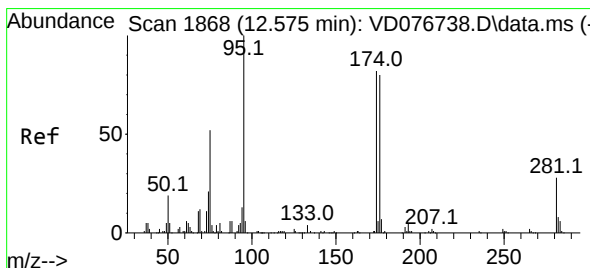
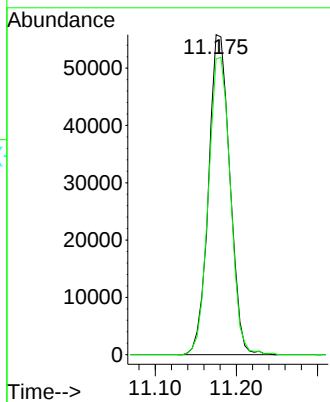
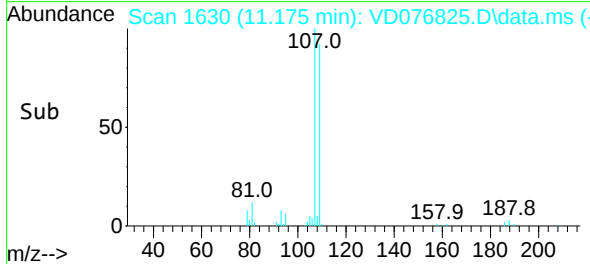
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050



Tgt Ion:107 Resp: 101899
Ion Ratio Lower Upper
107 100
109 95.5 75.6 113.4

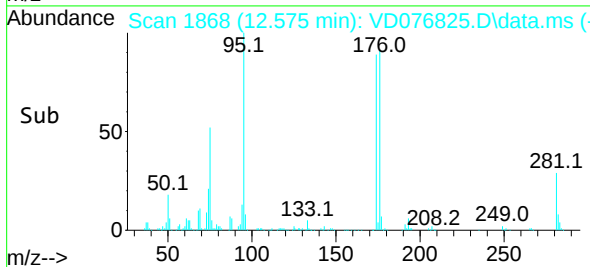
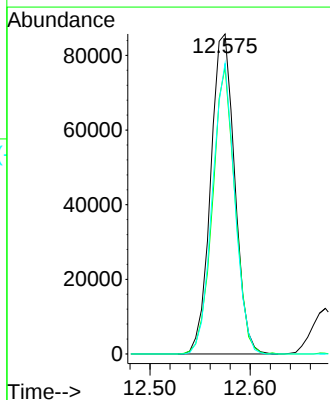
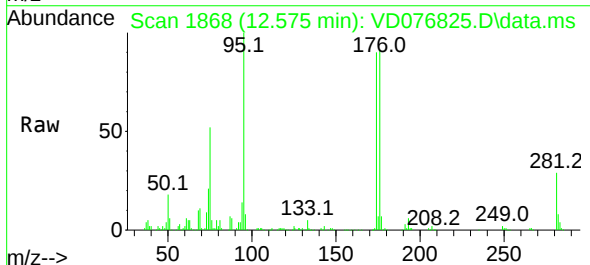
Manual Integrations
APPROVED

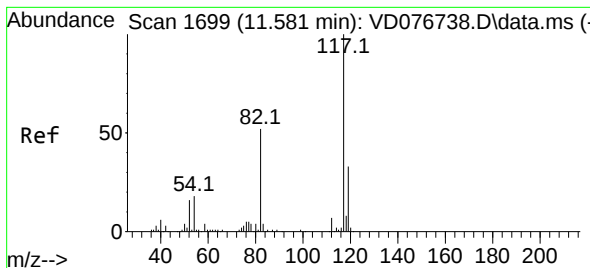
Reviewed By :John Carlone 07/28/2023
Supervised By :Mahesh Dadoda 07/28/2023



#62
4-Bromofluorobenzene
Concen: 48.688 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.000 min
Lab File: VD076825.D
Acq: 27 Jul 2023 09:33

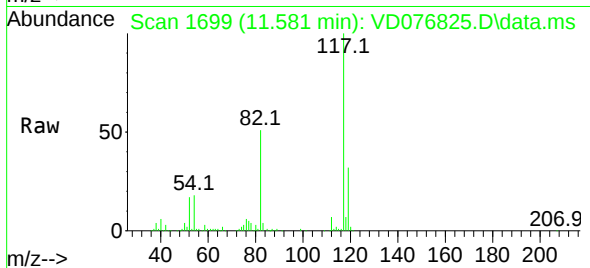
Tgt Ion: 95 Resp: 142774
Ion Ratio Lower Upper
95 100
174 83.5 0.0 201.8
176 84.4 0.0 191.8





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 1699
Delta R.T. 0.000 min
Lab File: VD076825.D
Acq: 27 Jul 2023 09:33

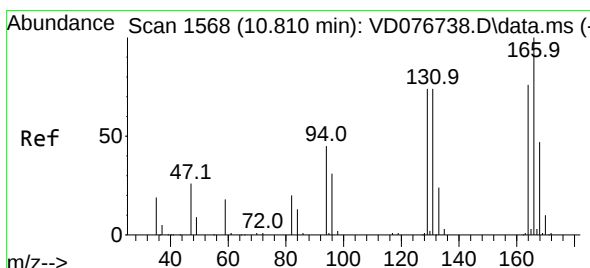
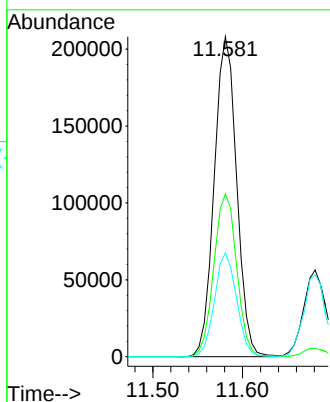
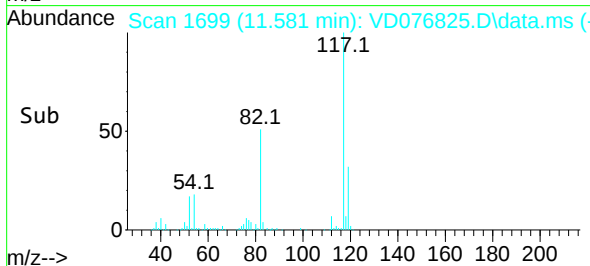
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050



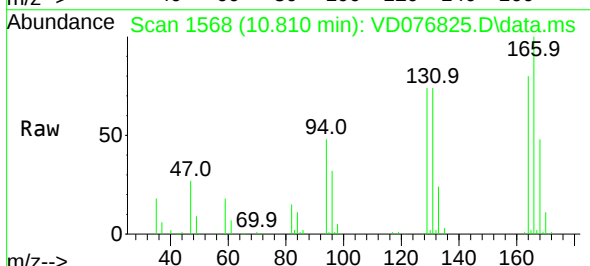
Tgt Ion:117 Resp: 36081
Ion Ratio Lower Upper
117 100
82 50.9 38.3 57.5
119 32.5 25.0 37.4

Manual Integrations
APPROVED

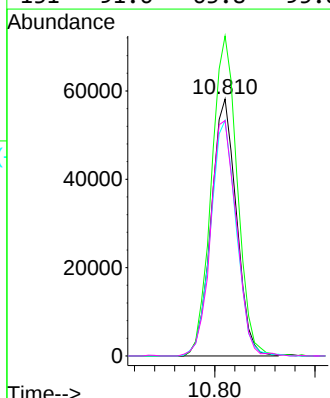
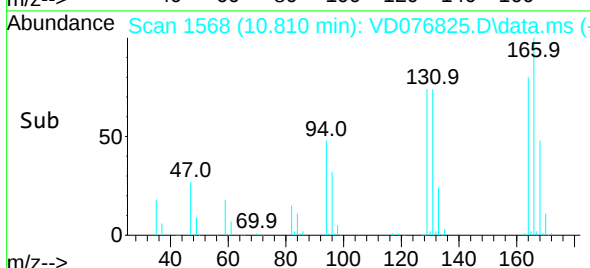
Reviewed By :John Carlone 07/28/2023
Supervised By :Mahesh Dadoda 07/28/2023

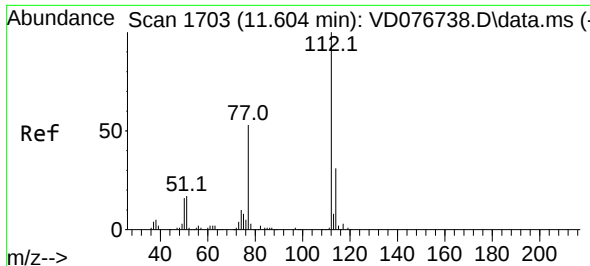


#64
Tetrachloroethene
Concen: 49.370 ug/l
RT: 10.810 min Scan# 1568
Delta R.T. 0.000 min
Lab File: VD076825.D
Acq: 27 Jul 2023 09:33



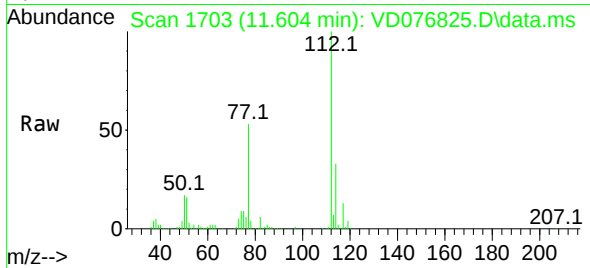
Tgt Ion:164 Resp: 101575
Ion Ratio Lower Upper
164 100
166 124.5 99.2 148.8
129 91.7 68.4 102.6
131 91.6 63.8 95.8





#65
Chlorobenzene
Concen: 49.581 ug/l
RT: 11.604 min Scan# 1703
Delta R.T. 0.000 min
Lab File: VD076825.D
Acq: 27 Jul 2023 09:33

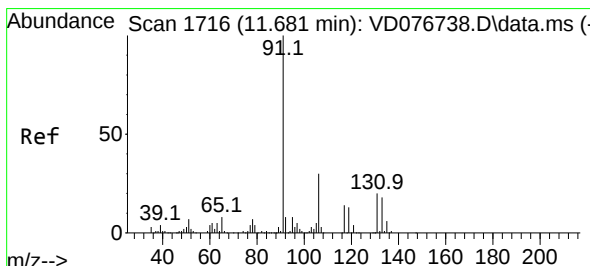
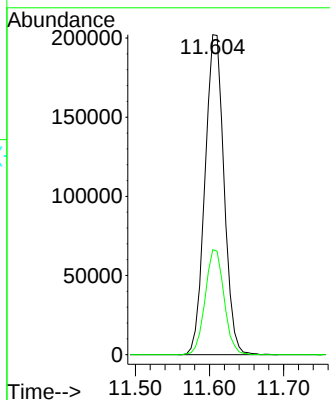
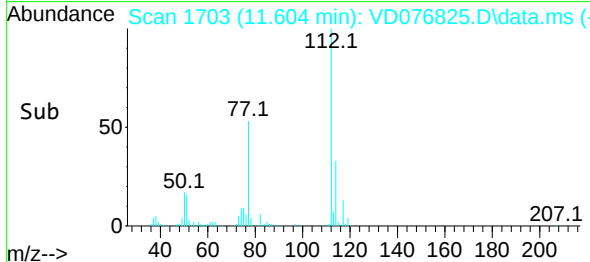
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050



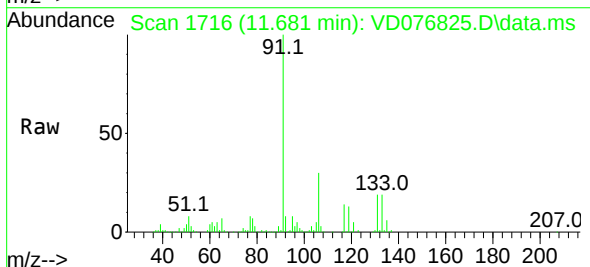
Tgt Ion:112 Resp: 359798
Ion Ratio Lower Upper
112 100
114 32.8 25.1 37.7

Manual Integrations
APPROVED

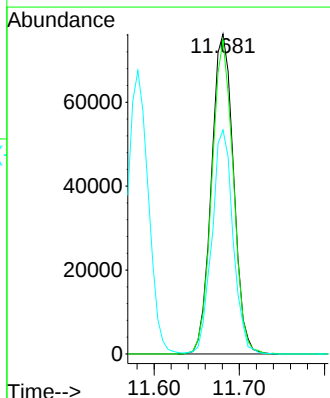
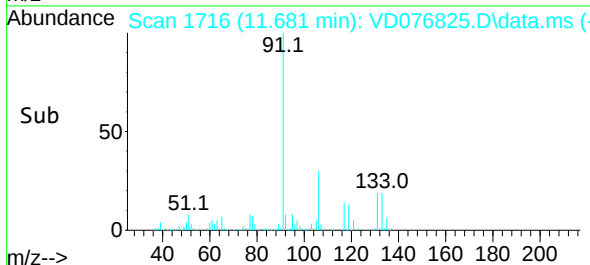
Reviewed By :John Carlone 07/28/2023
Supervised By :Mahesh Dadoda 07/28/2023

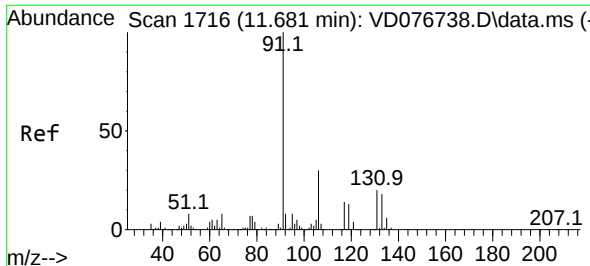


#66
1,1,1,2-Tetrachloroethane
Concen: 50.697 ug/l
RT: 11.681 min Scan# 1716
Delta R.T. -0.000 min
Lab File: VD076825.D
Acq: 27 Jul 2023 09:33



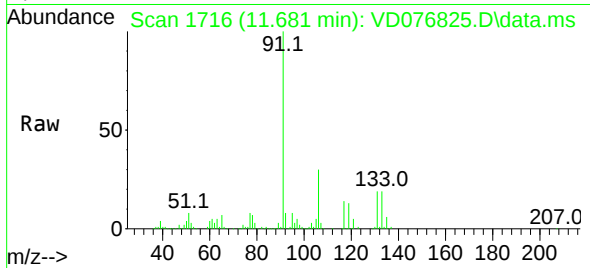
Tgt Ion:131 Resp: 136968
Ion Ratio Lower Upper
131 100
133 95.0 48.5 145.5
119 67.2 35.6 106.9





#67
Ethyl Benzene
Concen: 50.660 ug/l
RT: 11.681 min Scan# 1716
Delta R.T. -0.000 min
Lab File: VD076825.D
Acq: 27 Jul 2023 09:33

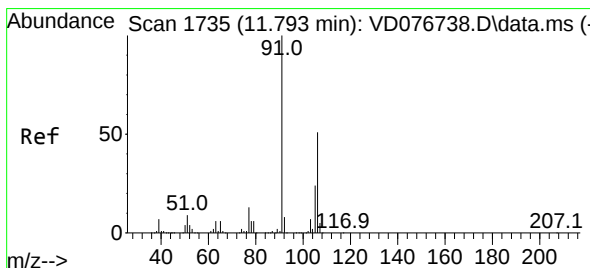
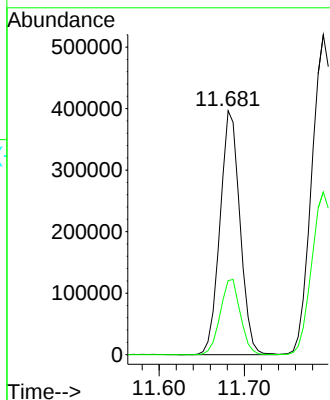
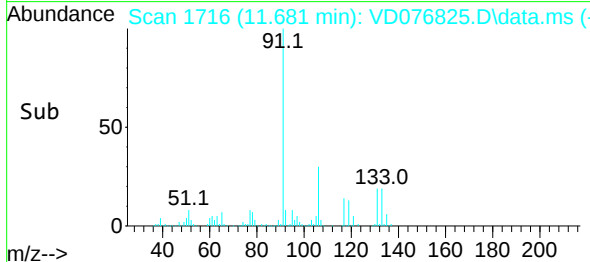
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050



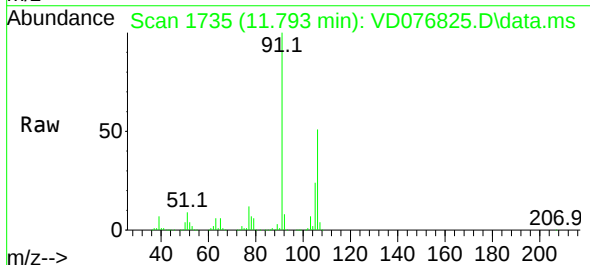
Tgt Ion: 91 Resp: 645619
Ion Ratio Lower Upper
91 100
106 30.3 26.5 39.7

Manual Integrations
APPROVED

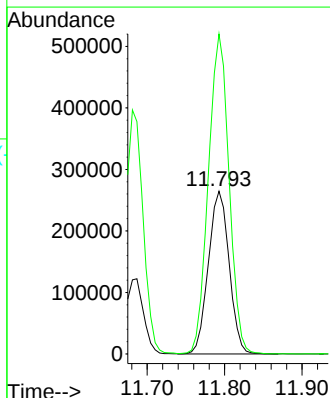
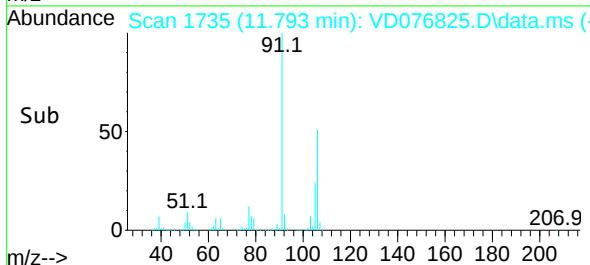
Reviewed By :John Carlone 07/28/2023
Supervised By :Mahesh Dadoda 07/28/2023

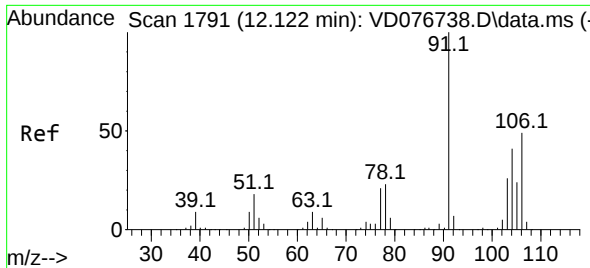


#68
m/p-Xylenes
Concen: 100.667 ug/l
RT: 11.793 min Scan# 1735
Delta R.T. -0.000 min
Lab File: VD076825.D
Acq: 27 Jul 2023 09:33



Tgt Ion:106 Resp: 492715
Ion Ratio Lower Upper
106 100
91 195.7 147.0 220.6





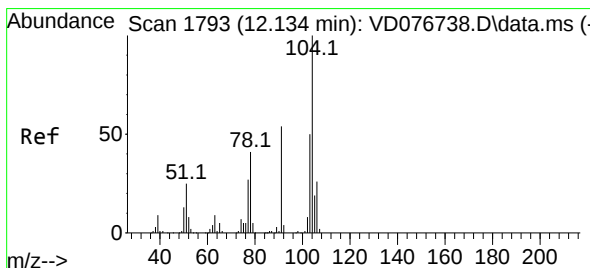
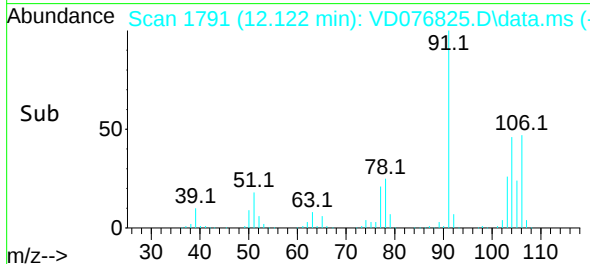
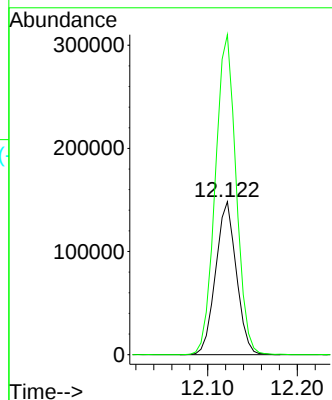
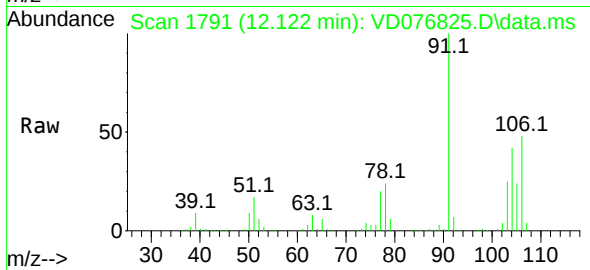
#69
o-Xylene
Concen: 50.123 ug/l
RT: 12.122 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VD076825.D
Acq: 27 Jul 2023 09:33

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tgt Ion:106 Resp: 237230
Ion Ratio Lower Upper
106 100
91 210.6 97.9 293.6

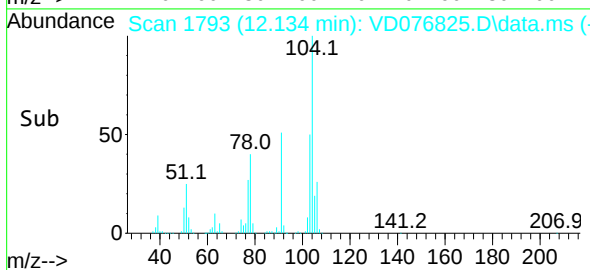
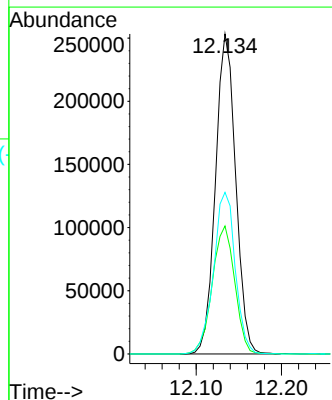
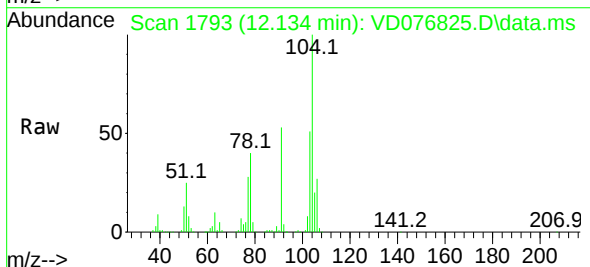
Manual Integrations
APPROVED

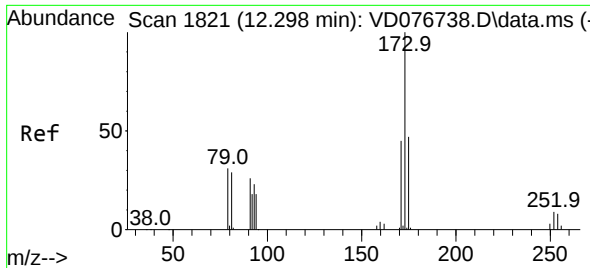
Reviewed By :John Carlone 07/28/2023
Supervised By :Mahesh Dadoda 07/28/2023



#70
Styrene
Concen: 50.386 ug/l
RT: 12.134 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VD076825.D
Acq: 27 Jul 2023 09:33

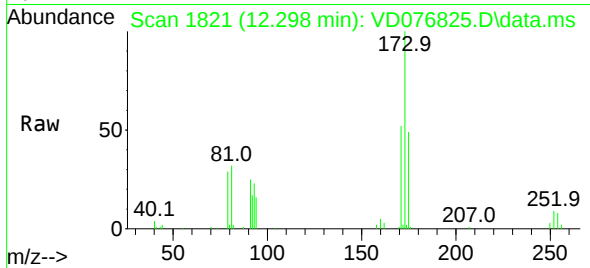
Tgt Ion:104 Resp: 417478
Ion Ratio Lower Upper
104 100
78 44.5 33.2 49.8
103 54.4 43.6 65.4





#71
Bromoform
Concen: 52.290 ug/l
RT: 12.298 min Scan# 1821
Delta R.T. 0.000 min
Lab File: VD076825.D
Acq: 27 Jul 2023 09:33

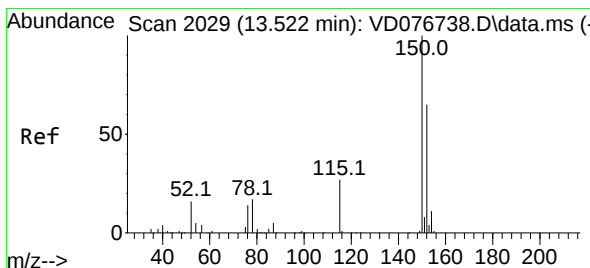
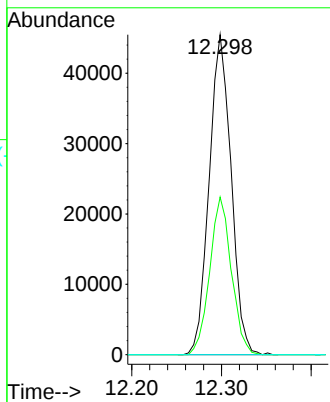
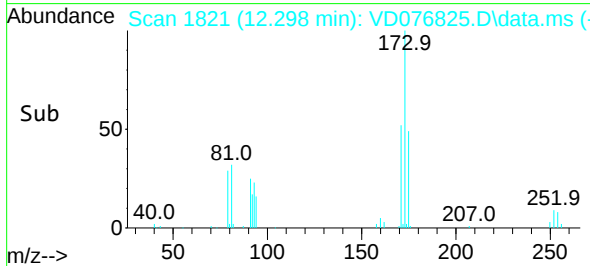
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050



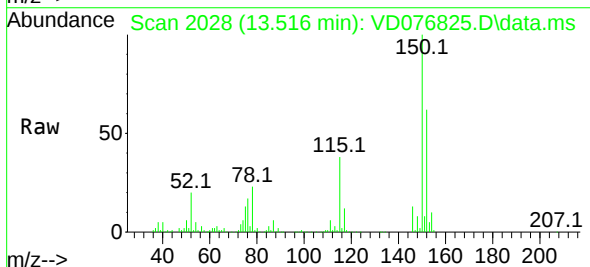
Tgt Ion:173 Resp: 7737
Ion Ratio Lower Upper
173 100
175 48.5 24.6 73.8
254 0.0 0.0 0.0

Manual Integrations
APPROVED

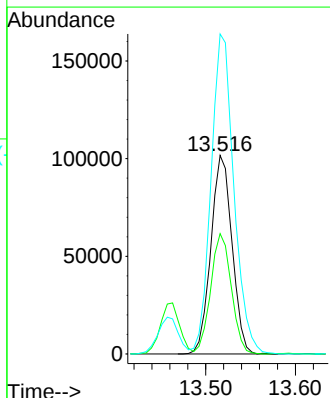
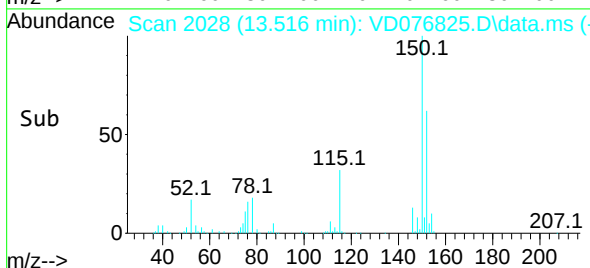
Reviewed By :John Carlone 07/28/2023
Supervised By :Mahesh Dadoda 07/28/2023

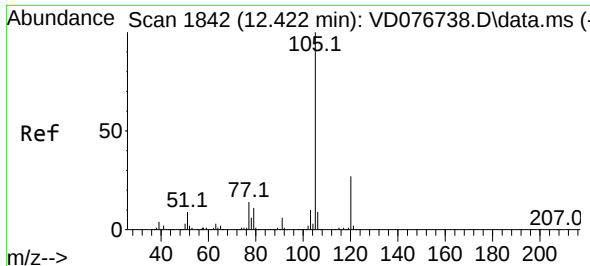


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.516 min Scan# 2028
Delta R.T. -0.006 min
Lab File: VD076825.D
Acq: 27 Jul 2023 09:33



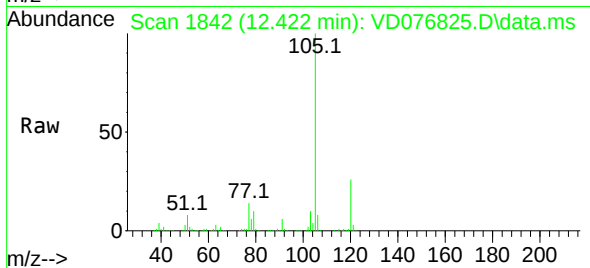
Tgt Ion:152 Resp: 166398
Ion Ratio Lower Upper
152 100
115 59.0 27.1 81.3
150 174.3 0.0 353.6





#73
Isopropylbenzene
Concen: 51.843 ug/l
RT: 12.422 min Scan# 1842
Delta R.T. -0.000 min
Lab File: VD076825.D
Acq: 27 Jul 2023 09:33

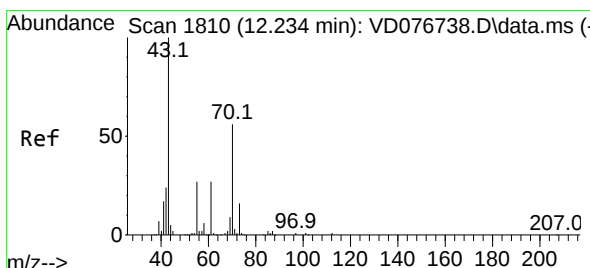
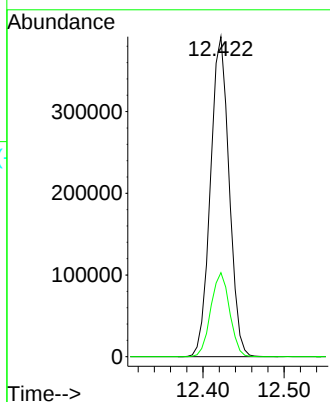
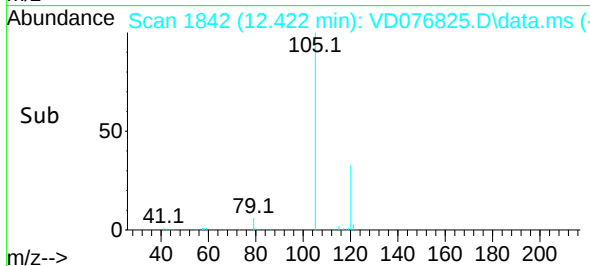
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050



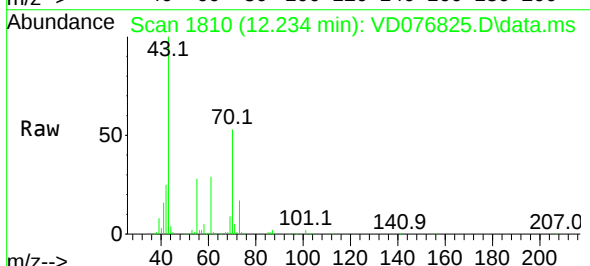
Tgt Ion:105 Resp: 62587
Ion Ratio Lower Upper
105 100
120 26.4 14.3 42.9

Manual Integrations
APPROVED

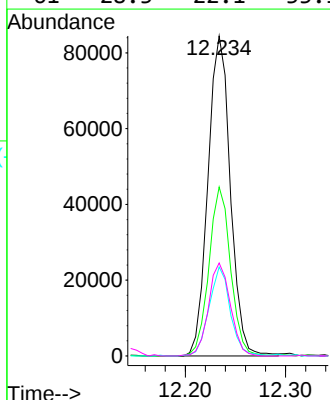
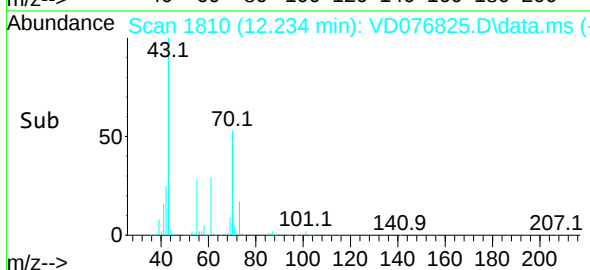
Reviewed By :John Carlone 07/28/2023
Supervised By :Mahesh Dadoda 07/28/2023

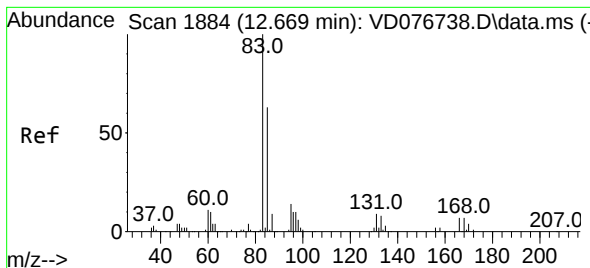


#74
N-ethyl acetate
Concen: 51.611 ug/l
RT: 12.234 min Scan# 1810
Delta R.T. -0.000 min
Lab File: VD076825.D
Acq: 27 Jul 2023 09:33



Tgt Ion: 43 Resp: 131263
Ion Ratio Lower Upper
43 100
70 51.0 45.0 67.4
55 26.4 23.8 35.6
61 28.3 22.1 33.1





#75

1,1,2,2-Tetrachloroethane

Concen: 50.002 ug/l

RT: 12.675 min Scan# 1885

Delta R.T. 0.006 min

Lab File: VD076825.D

Acq: 27 Jul 2023 09:33

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tgt Ion: 83 Resp: 12960

Ion Ratio Lower Upper

83 100

131 10.0 5.1 15.3

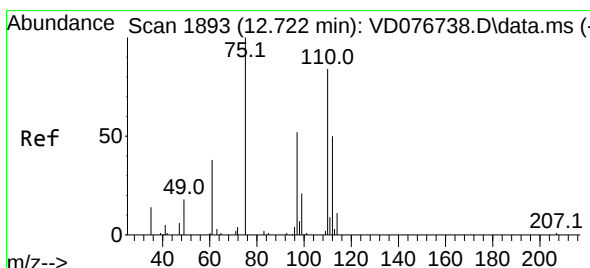
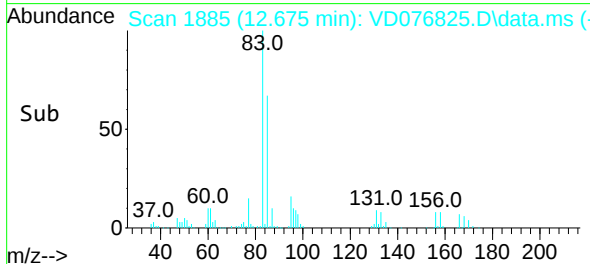
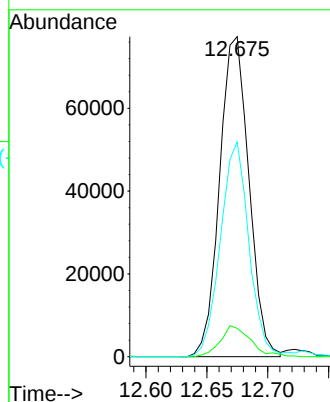
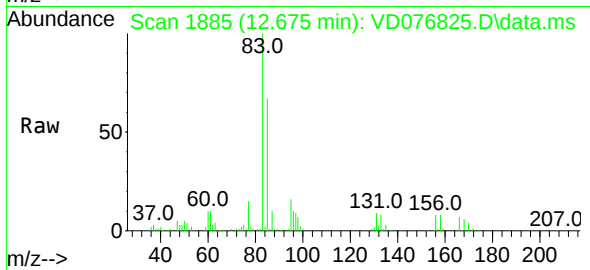
85 65.4 32.6 97.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/28/2023

Supervised By :Mahesh Dadoda 07/28/2023



#76

1,2,3-Trichloropropane

Concen: 52.709 ug/l m

RT: 12.722 min Scan# 1893

Delta R.T. -0.000 min

Lab File: VD076825.D

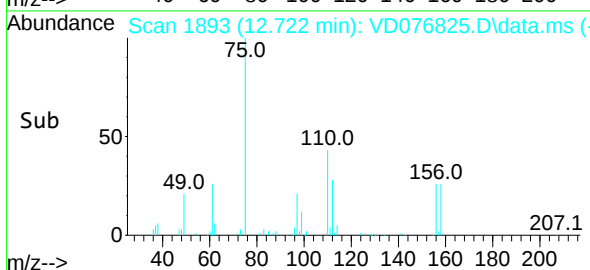
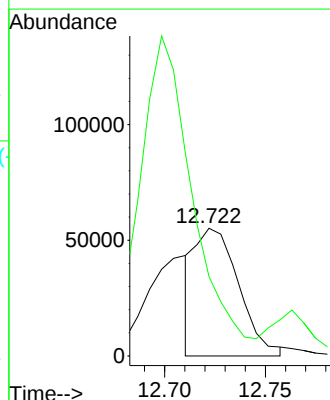
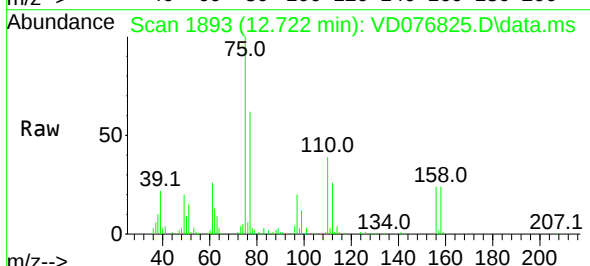
Acq: 27 Jul 2023 09:33

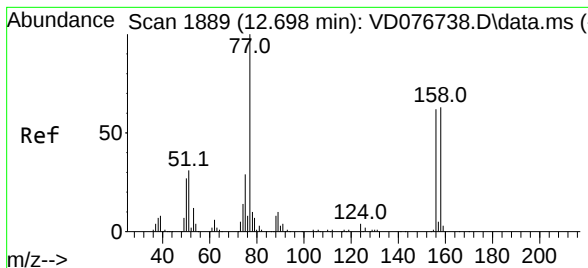
Tgt Ion: 75 Resp: 83408

Ion Ratio Lower Upper

75 100

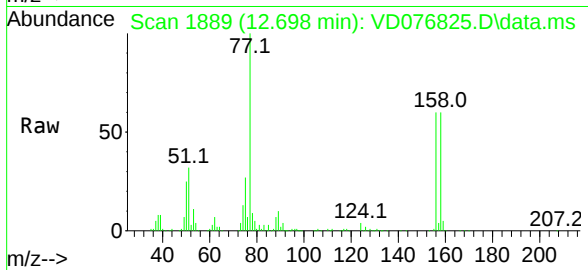
77 0.0 0.0 0.0





#77
Bromobenzene
Concen: 51.011 ug/l
RT: 12.698 min Scan# 1889
Delta R.T. 0.000 min
Lab File: VD076825.D
Acq: 27 Jul 2023 09:33

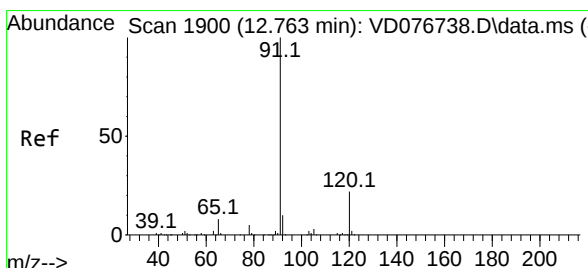
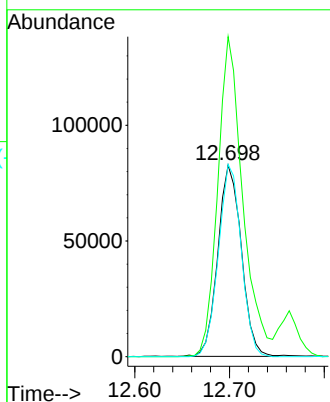
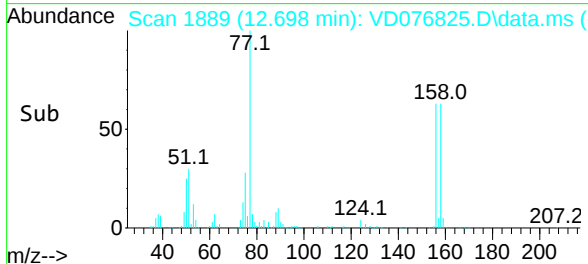
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050



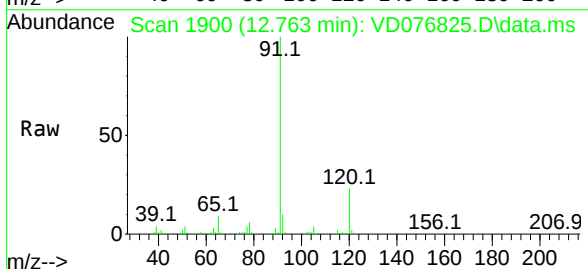
Tgt Ion:156 Resp: 142148
Ion Ratio Lower Upper
156 100
77 179.0 76.8 230.4
158 97.9 48.6 145.9

Manual Integrations
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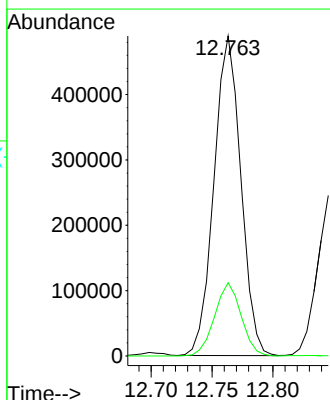
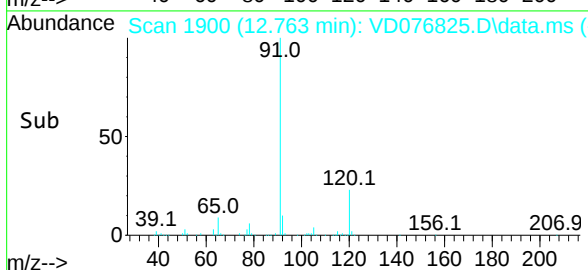
Reviewed By :John Carlone 07/28/2023
Supervised By :Mahesh Dadoda 07/28/2023

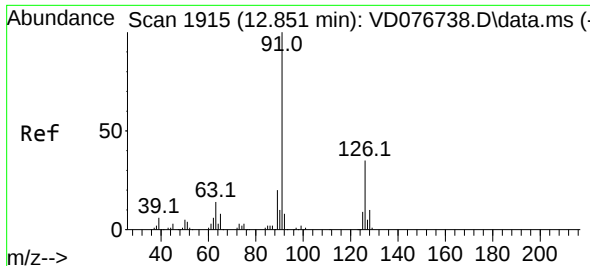


#78
n-propylbenzene
Concen: 51.268 ug/l
RT: 12.763 min Scan# 1900
Delta R.T. 0.000 min
Lab File: VD076825.D
Acq: 27 Jul 2023 09:33



Tgt Ion: 91 Resp: 750340
Ion Ratio Lower Upper
91 100
120 22.6 12.4 37.2





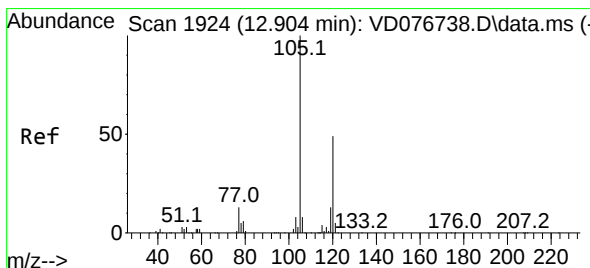
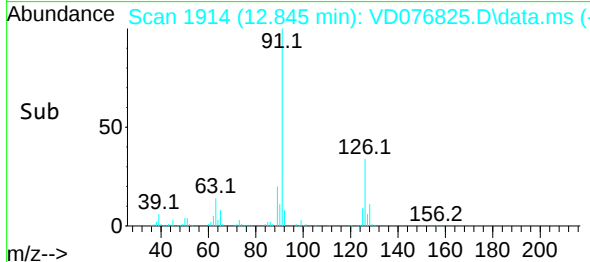
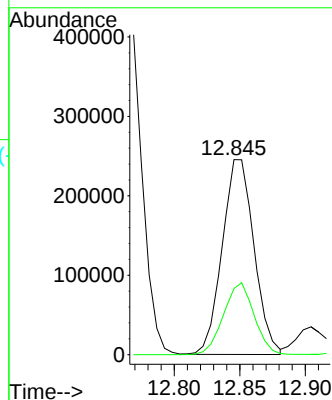
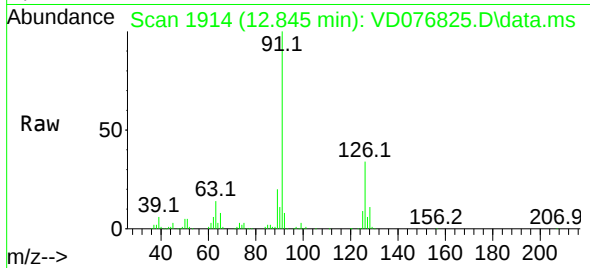
#79
2-Chlorotoluene
Concen: 51.634 ug/l
RT: 12.845 min Scan# 1915
Delta R.T. -0.006 min
Lab File: VD076825.D
Acq: 27 Jul 2023 09:33

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tgt Ion: 91 Resp: 414350
Ion Ratio Lower Upper
91 100
126 35.6 19.4 58.1

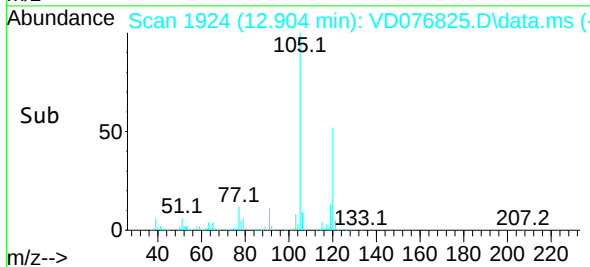
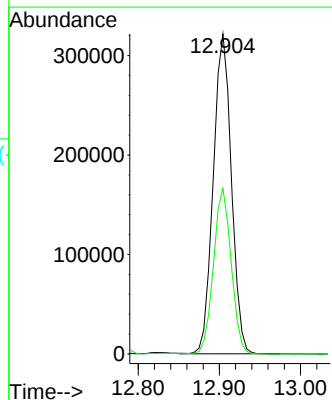
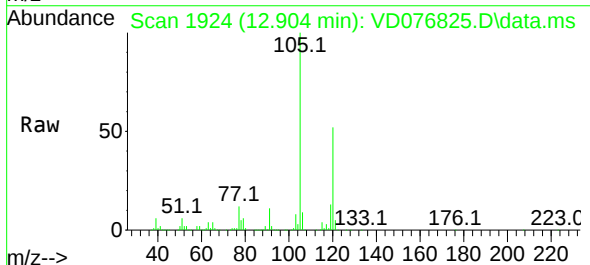
Manual Integrations
APPROVED

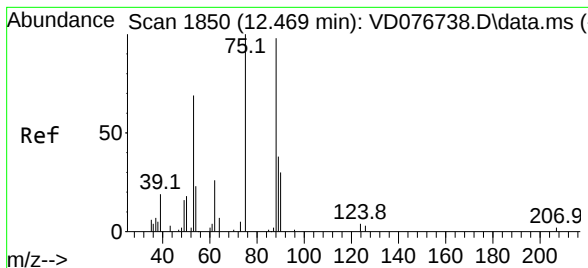
Reviewed By :John Carlone 07/28/2023
Supervised By :Mahesh Dadoda 07/28/2023



#80
1,3,5-Trimethylbenzene
Concen: 51.103 ug/l
RT: 12.904 min Scan# 1924
Delta R.T. 0.000 min
Lab File: VD076825.D
Acq: 27 Jul 2023 09:33

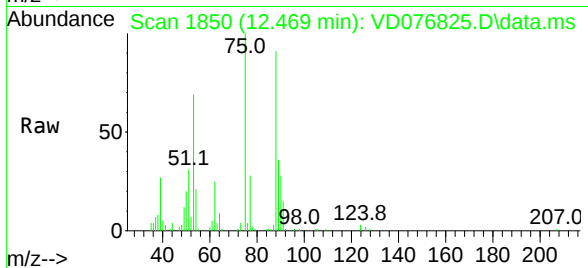
Tgt Ion:105 Resp: 498856
Ion Ratio Lower Upper
105 100
120 50.5 26.4 79.2





#81
trans-1,4-Dichloro-2-butene
Concen: 52.607 ug/l
RT: 12.469 min Scan# 1850
Delta R.T. 0.000 min
Lab File: VD076825.D
Acq: 27 Jul 2023 09:33

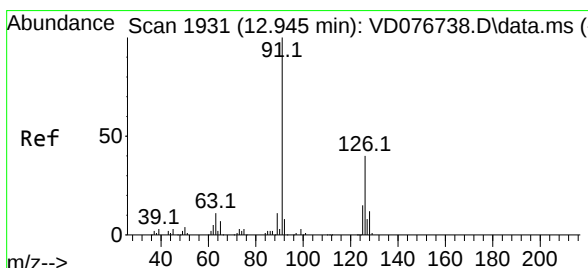
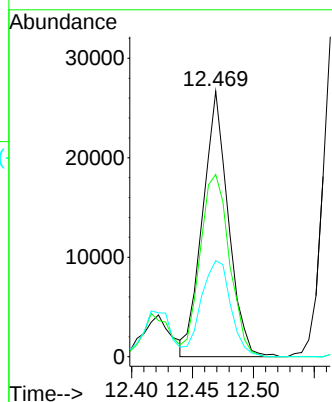
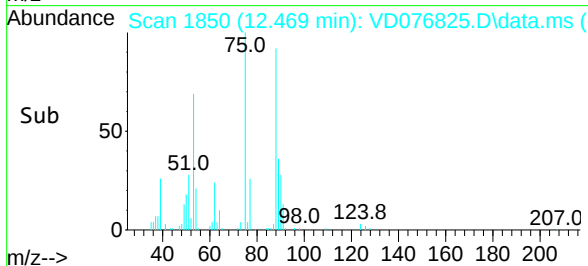
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050



Tgt Ion: 75 Resp: 3911
Ion Ratio Lower Upper
75 100
53 78.7 63.0 94.4
89 41.7 37.9 56.9

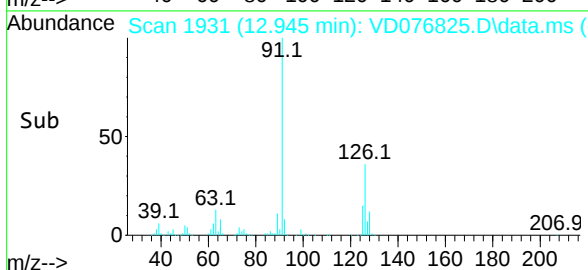
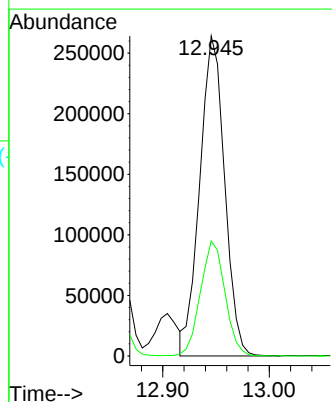
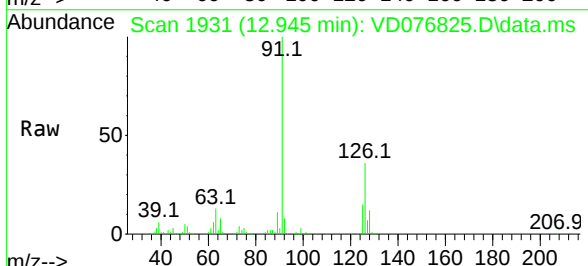
Manual Integrations
APPROVED

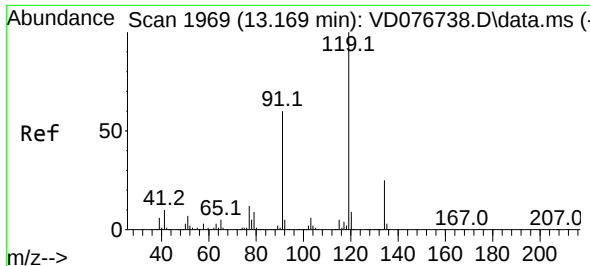
Reviewed By :John Carlone 07/28/2023
Supervised By :Mahesh Dadoda 07/28/2023



#82
4-Chlorotoluene
Concen: 51.124 ug/l
RT: 12.945 min Scan# 1931
Delta R.T. 0.000 min
Lab File: VD076825.D
Acq: 27 Jul 2023 09:33

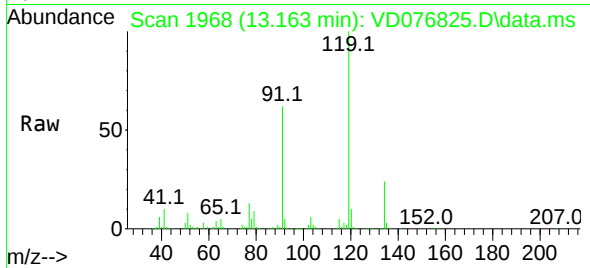
Tgt Ion: 91 Resp: 428597
Ion Ratio Lower Upper
91 100
126 35.6 19.4 58.4





#83
tert-Butylbenzene
Concen: 52.511 ug/l
RT: 13.163 min Scan# 1968
Delta R.T. -0.006 min
Lab File: VD076825.D
Acq: 27 Jul 2023 09:33

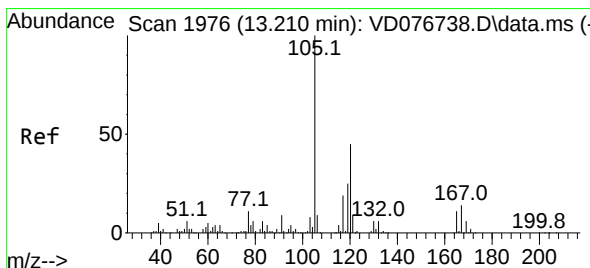
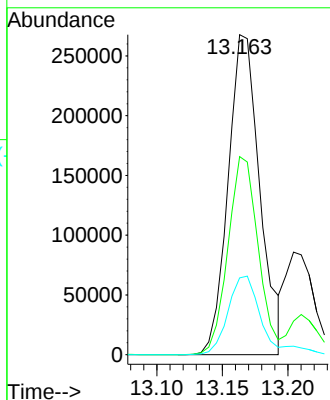
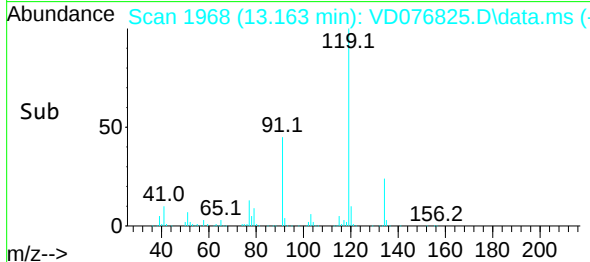
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050



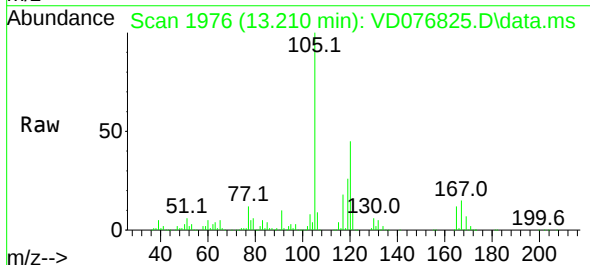
Tgt Ion:119 Resp: 451342
Ion Ratio Lower Upper
119 100
91 58.8 29.3 87.8
134 26.1 14.1 42.3

Manual Integrations
APPROVED

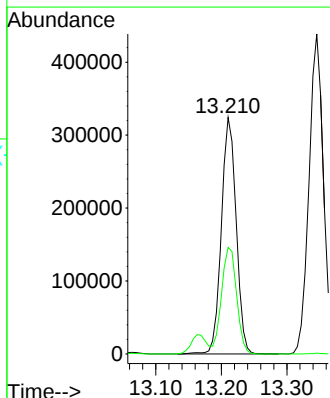
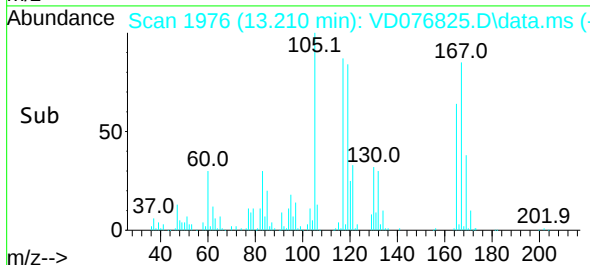
Reviewed By :John Carlone 07/28/2023
Supervised By :Mahesh Dadoda 07/28/2023

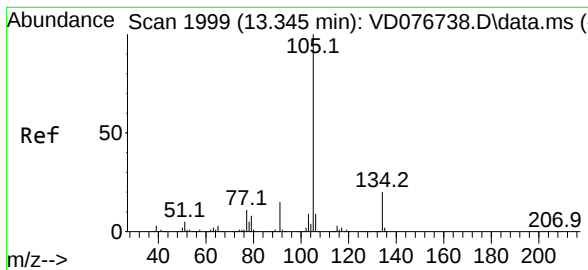


#84
1,2,4-Trimethylbenzene
Concen: 50.713 ug/l
RT: 13.210 min Scan# 1976
Delta R.T. 0.000 min
Lab File: VD076825.D
Acq: 27 Jul 2023 09:33



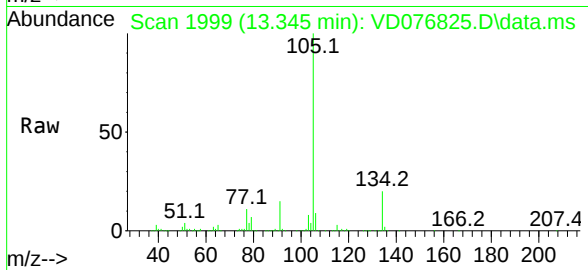
Tgt Ion:105 Resp: 505892
Ion Ratio Lower Upper
105 100
120 45.6 24.3 72.9





#85
 sec-Butylbenzene
 Concen: 50.943 ug/l
 RT: 13.345 min Scan# 1999
 Delta R.T. 0.000 min
 Lab File: VD076825.D
 Acq: 27 Jul 2023 09:33

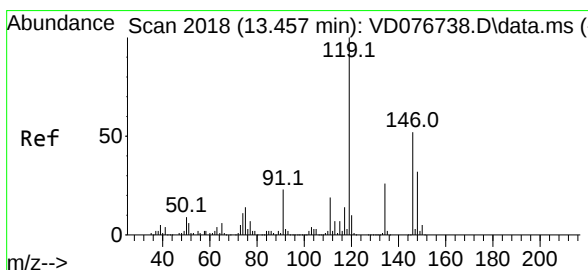
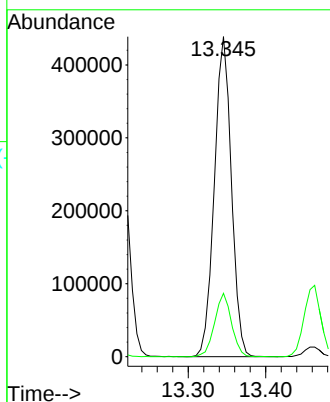
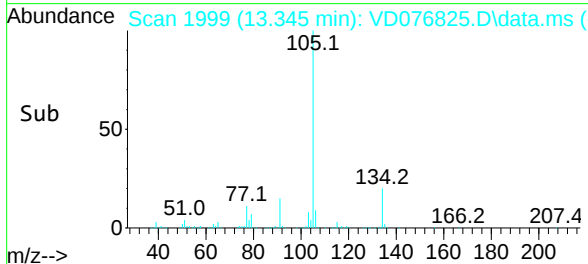
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050



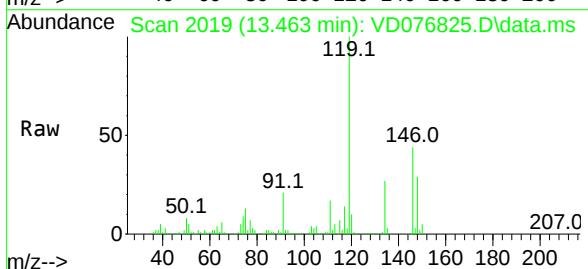
Tgt Ion:105 Resp: 668974
 Ion Ratio Lower Upper
 105 100
 134 19.6 10.9 32.9

Manual Integrations
 APPROVED

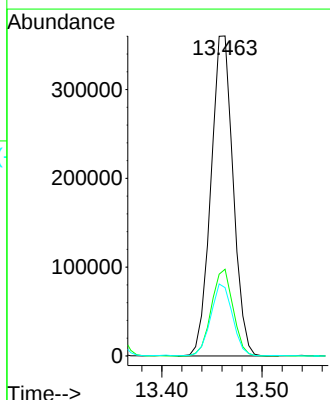
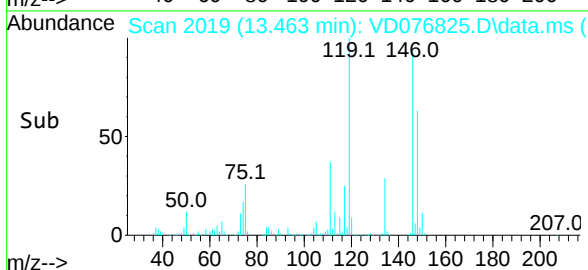
Reviewed By :John Carlone 07/28/2023
 Supervised By :Mahesh Dadoda 07/28/2023

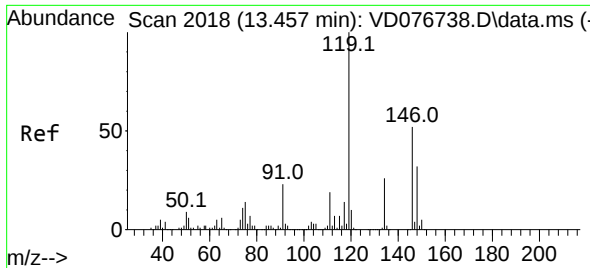


#86
 p-Isopropyltoluene
 Concen: 51.132 ug/l
 RT: 13.463 min Scan# 2019
 Delta R.T. 0.006 min
 Lab File: VD076825.D
 Acq: 27 Jul 2023 09:33



Tgt Ion:119 Resp: 554532
 Ion Ratio Lower Upper
 119 100
 134 26.5 14.2 42.6
 91 22.0 10.5 31.5





#87
 1,3-Dichlorobenzene
 Concen: 49.902 ug/l
 RT: 13.457 min Scan# 2018
 Delta R.T. 0.000 min
 Lab File: VD076825.D
 Acq: 27 Jul 2023 09:33

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

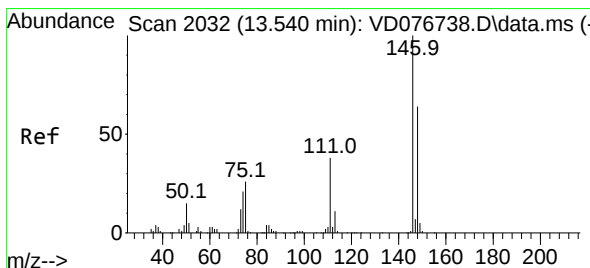
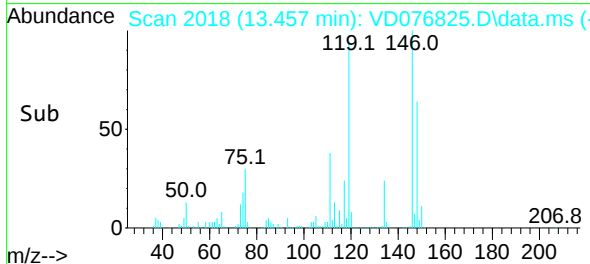
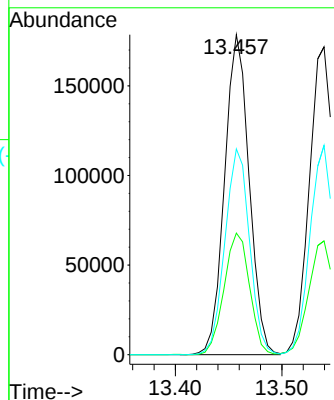
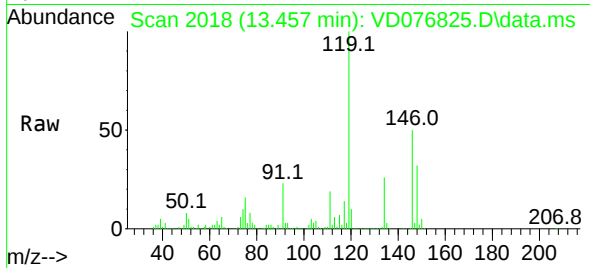
Tgt Ion:146 Resp: 286020
 Ion Ratio Lower Upper
 146 100
 111 39.4 17.9 53.8
 148 64.5 32.3 96.8

Manual Integrations

APPROVED

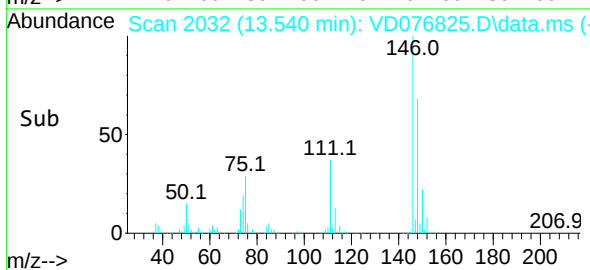
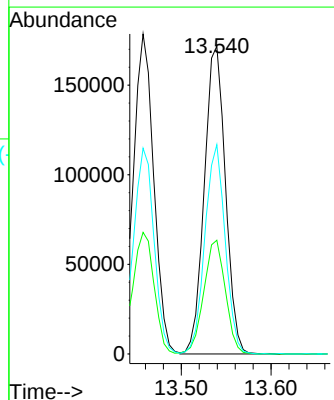
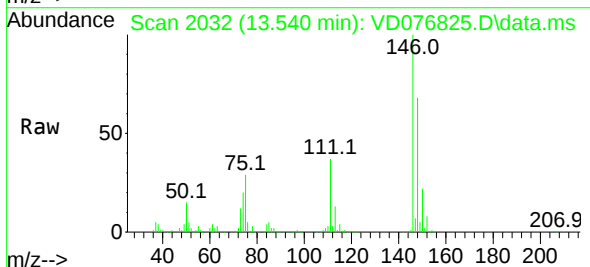
Reviewed By :John Carlone 07/28/2023

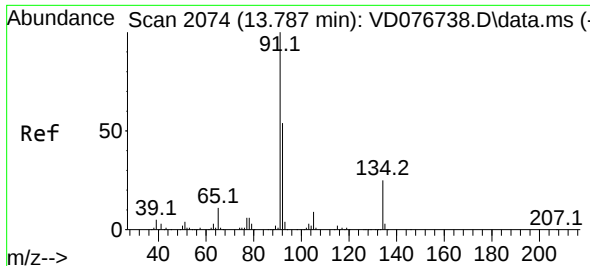
Supervised By :Mahesh Dadoda 07/28/2023



#88
 1,4-Dichlorobenzene
 Concen: 50.036 ug/l
 RT: 13.540 min Scan# 2032
 Delta R.T. -0.000 min
 Lab File: VD076825.D
 Acq: 27 Jul 2023 09:33

Tgt Ion:146 Resp: 280978
 Ion Ratio Lower Upper
 146 100
 111 37.9 17.4 52.3
 148 65.4 31.7 95.1





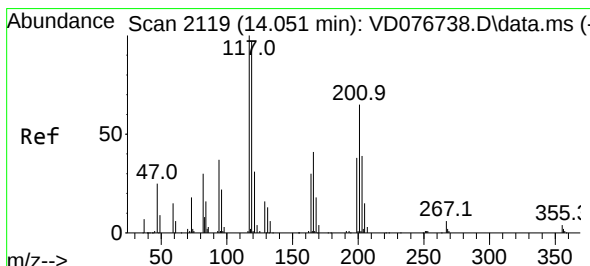
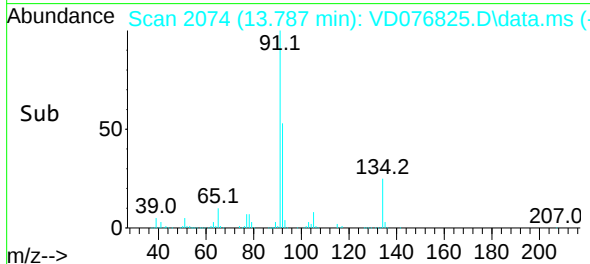
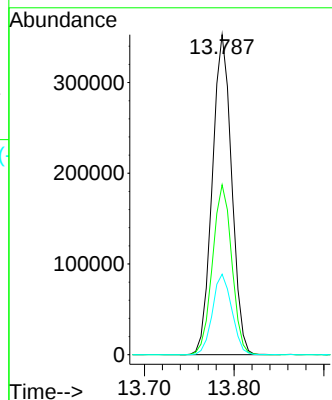
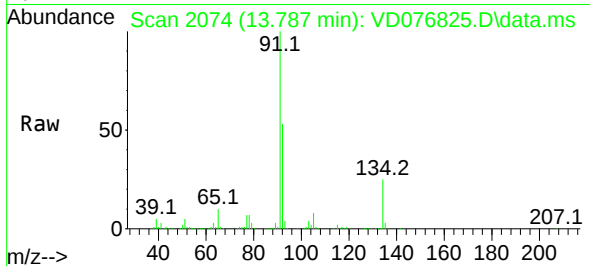
#89
n-Butylbenzene
Concen: 49.762 ug/l
RT: 13.787 min Scan# 2074
Delta R.T. -0.000 min
Lab File: VD076825.D
Acq: 27 Jul 2023 09:33

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tgt Ion: 91 Resp: 528090
Ion Ratio Lower Upper
91 100
92 52.9 26.5 79.5
134 25.2 13.8 41.3

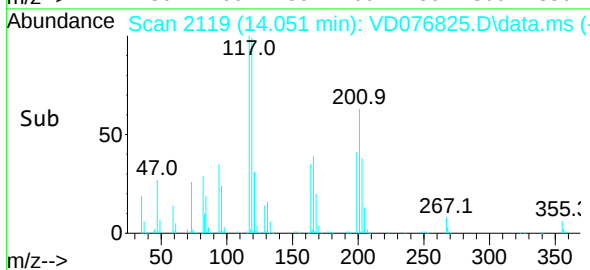
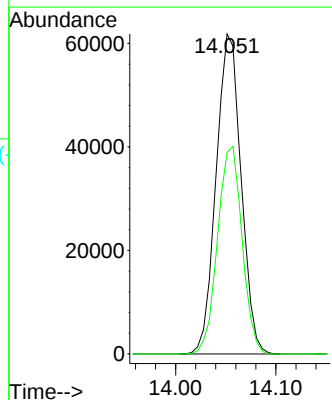
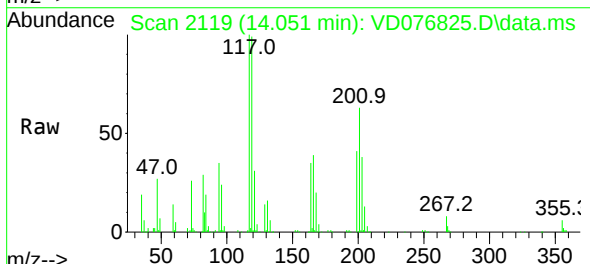
Manual Integrations
APPROVED

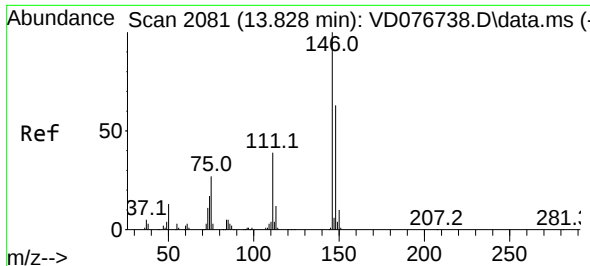
Reviewed By :John Carlone 07/28/2023
Supervised By :Mahesh Dadoda 07/28/2023



#90
Hexachloroethane
Concen: 53.210 ug/l
RT: 14.051 min Scan# 2119
Delta R.T. 0.000 min
Lab File: VD076825.D
Acq: 27 Jul 2023 09:33

Tgt Ion:117 Resp: 106687
Ion Ratio Lower Upper
117 100
201 63.7 38.5 115.5





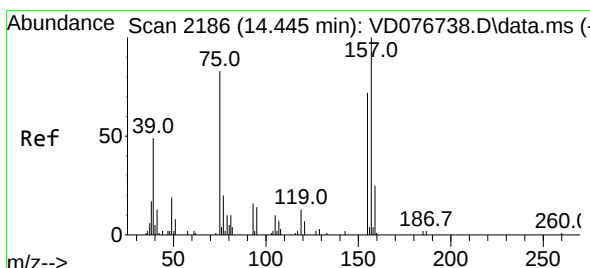
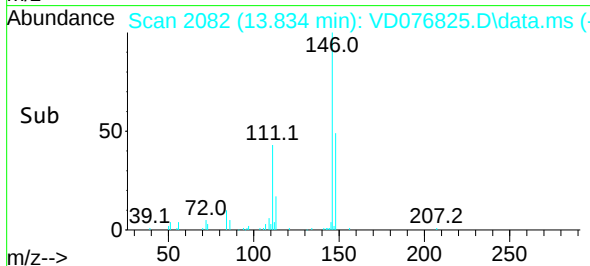
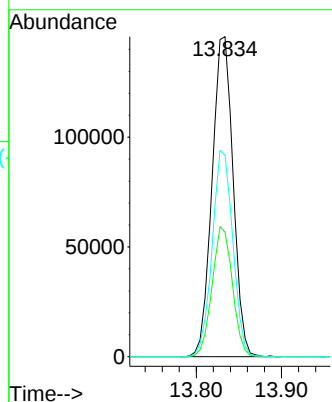
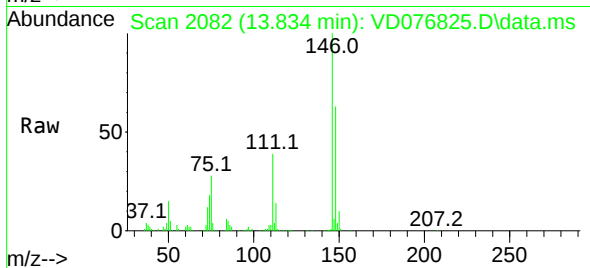
#91
1,2-Dichlorobenzene
Concen: 49.489 ug/l
RT: 13.834 min Scan# 2081
Delta R.T. 0.006 min
Lab File: VD076825.D
Acq: 27 Jul 2023 09:33

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tgt Ion:146 Resp: 24994
Ion Ratio Lower Upper
146 100
111 39.1 18.3 54.8
148 63.4 31.6 94.7

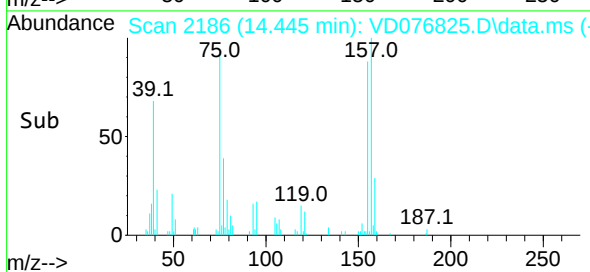
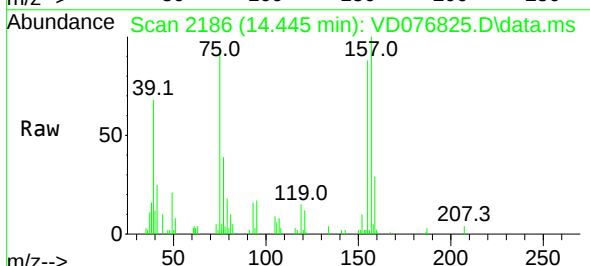
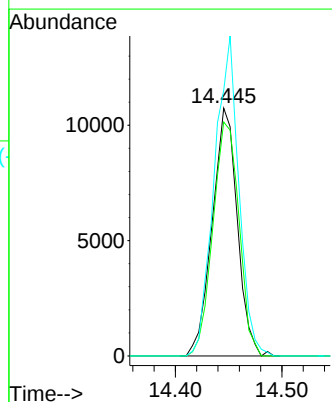
Manual Integrations
APPROVED

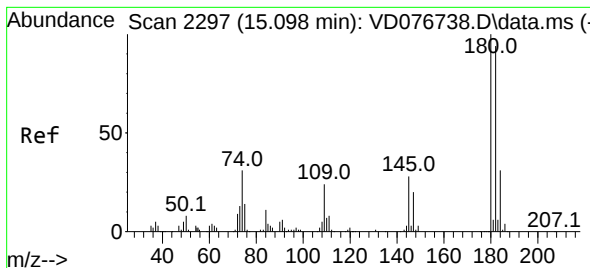
Reviewed By :John Carlone 07/28/2023
Supervised By :Mahesh Dadoda 07/28/2023



#92
1,2-Dibromo-3-Chloropropane
Concen: 47.565 ug/l
RT: 14.445 min Scan# 2186
Delta R.T. 0.000 min
Lab File: VD076825.D
Acq: 27 Jul 2023 09:33

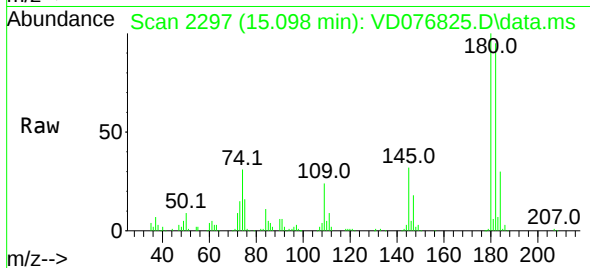
Tgt Ion: 75 Resp: 17579
Ion Ratio Lower Upper
75 100
155 97.9 47.9 143.8
157 125.7 59.9 179.7





#93
1,2,4-Trichlorobenzene
Concen: 50.863 ug/l
RT: 15.098 min Scan# 2297
Delta R.T. 0.000 min
Lab File: VD076825.D
Acq: 27 Jul 2023 09:33

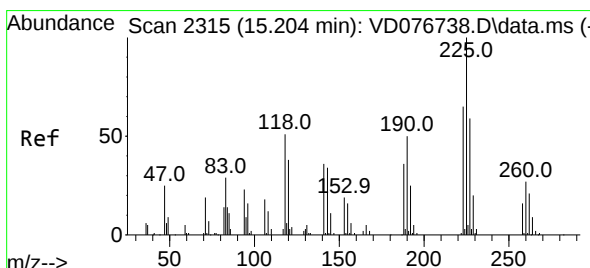
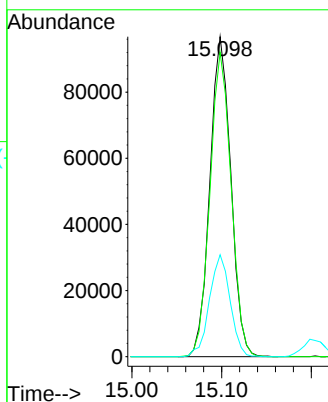
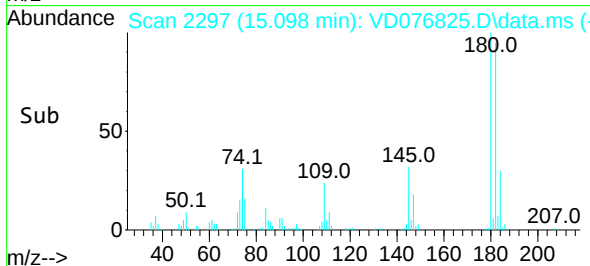
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050



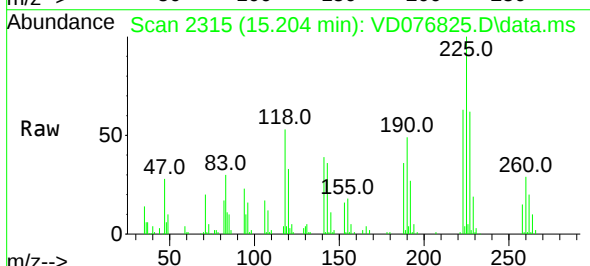
Tgt Ion:180 Resp: 156829
Ion Ratio Lower Upper
180 100
182 96.3 48.5 145.6
145 31.5 14.2 42.6

Manual Integrations
APPROVED

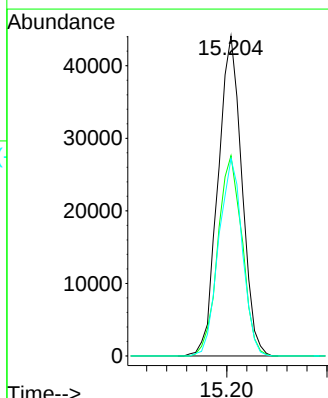
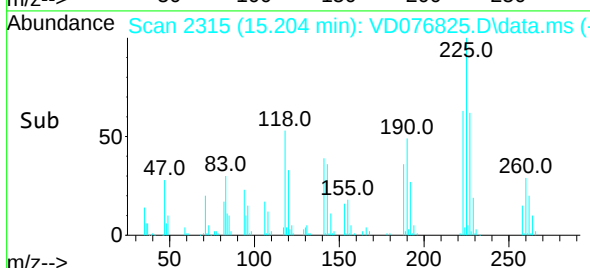
Reviewed By :John Carlone 07/28/2023
Supervised By :Mahesh Dadoda 07/28/2023

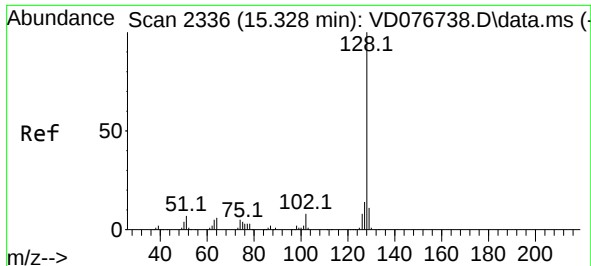


#94
Hexachlorobutadiene
Concen: 49.028 ug/l
RT: 15.204 min Scan# 2315
Delta R.T. 0.000 min
Lab File: VD076825.D
Acq: 27 Jul 2023 09:33



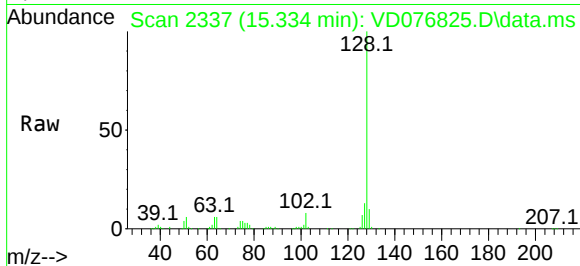
Tgt Ion:225 Resp: 72704
Ion Ratio Lower Upper
225 100
223 63.5 31.6 94.8
227 61.1 31.7 95.1





#95
Naphthalene
Concen: 58.807 ug/l
RT: 15.334 min Scan# 2337
Delta R.T. 0.006 min
Lab File: VD076825.D
Acq: 27 Jul 2023 09:33

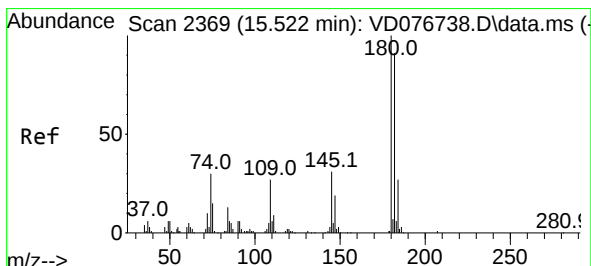
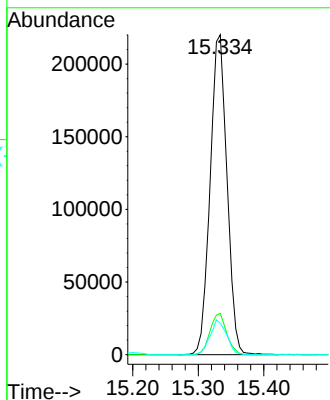
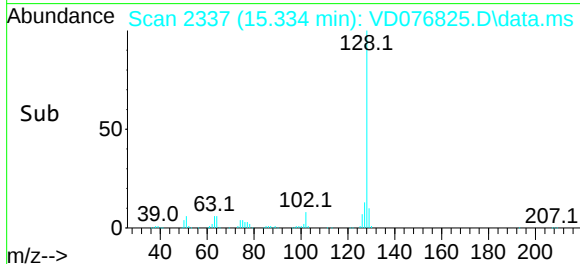
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050



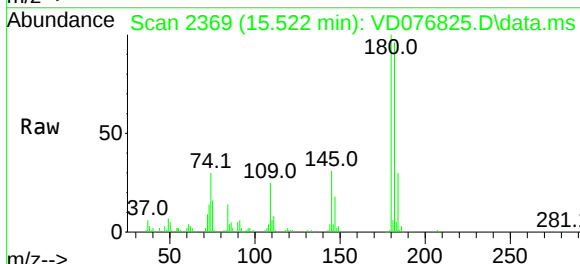
Tgt Ion:128 Resp: 392609
Ion Ratio Lower Upper
128 100
127 12.9 10.5 15.7
129 9.8 8.7 13.1

Manual Integrations
APPROVED

Reviewed By :John Carlone 07/28/2023
Supervised By :Mahesh Dadoda 07/28/2023



#96
1,2,3-Trichlorobenzene
Concen: 51.344 ug/l
RT: 15.522 min Scan# 2369
Delta R.T. -0.000 min
Lab File: VD076825.D
Acq: 27 Jul 2023 09:33



Tgt Ion:180 Resp: 142067
Ion Ratio Lower Upper
180 100
182 94.3 47.3 141.9
145 30.7 15.1 45.3

