

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD072823\
 Data File : VD076849.D
 Acq On : 28 Jul 2023 12:32
 Operator : KP/SY
 Sample : VD0728SBS01
 Misc : 5.00G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0728SBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 07/31/2023
 Supervised By : Mahesh Dadoda 07/31/2023

Quant Time: Jul 28 23:01:59 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	163968	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.775	114	294702	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.580	117	275191	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	127332	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	77536	47.476	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	94.960%		
35) Dibromofluoromethane	7.804	113	93494	50.485	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	100.960%		
50) Toluene-d8	10.269	98	311174	46.969	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	93.940%		
62) 4-Bromofluorobenzene	12.574	95	101981	47.583	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	95.160%		
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.928	85	25797	20.119	ug/l	91
3) Chloromethane	2.146	50	41746	18.874	ug/l	100
4) Vinyl Chloride	2.275	62	58158	19.725	ug/l	99
5) Bromomethane	2.669	94	47682	19.655	ug/l	97
6) Chloroethane	2.822	64	42382	19.038	ug/l	96
7) Trichlorofluoromethane	3.157	101	54175	20.649	ug/l	95
8) Diethyl Ether	3.587	74	17186	19.026	ug/l	87
9) 1,1,2-Trichlorotrifluo...	3.951	101	37255	21.603	ug/l	95
10) Methyl Iodide	4.157	142	35326	18.171	ug/l	91
11) Tert butyl alcohol	5.057	59	14001	114.885	ug/l	97
12) 1,1-Dichloroethene	3.922	96	31339	19.342	ug/l	92
13) Acrolein	3.793	56	8750	105.359	ug/l	93
14) Allyl chloride	4.545	41	42366	19.905	ug/l	91
15) Acrylonitrile	5.257	53	47229	106.456	ug/l	98
16) Acetone	4.028	43	40652	104.226	ug/l #	86
17) Carbon Disulfide	4.257	76	62184	16.432	ug/l	98
18) Methyl Acetate	4.557	43	34099	23.269	ug/l	90
19) Methyl tert-butyl Ether	5.322	73	87517	20.142	ug/l	96
20) Methylene Chloride	4.793	84	69477	24.704	ug/l #	88
21) trans-1,2-Dichloroethene	5.310	96	37594	19.961	ug/l	97
22) Diisopropyl ether	6.216	45	105354	20.903	ug/l	98
23) Vinyl Acetate	6.151	43	236242m	94.732	ug/l	
24) 1,1-Dichloroethane	6.104	63	72413	21.309	ug/l	99
25) 2-Butanone	7.087	43	58016	111.141	ug/l #	86
26) 2,2-Dichloropropane	7.081	77	61806	21.099	ug/l	95
27) cis-1,2-Dichloroethene	7.075	96	46152	19.878	ug/l	89
28) Bromochloromethane	7.428	49	19038	22.408	ug/l	84
29) Tetrahydrofuran	7.451	42	32164	104.286	ug/l	95
30) Chloroform	7.592	83	80474	21.621	ug/l	99
31) Cyclohexane	7.875	56	42801	17.808	ug/l	97
32) 1,1,1-Trichloroethane	7.787	97	64757	21.564	ug/l	96
36) 1,1-Dichloropropene	7.998	75	50329	20.797	ug/l	94
37) Ethyl Acetate	7.169	43	23389	21.612	ug/l	98
38) Carbon Tetrachloride	7.992	117	48042	20.733	ug/l	92
39) Methylcyclohexane	9.269	83	51947	18.591	ug/l	97
40) Benzene	8.251	78	156587	20.508	ug/l	98

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.392	41	14286	21.617	ug/l	92
42) 1,2-Dichloroethane	8.322	62	45237	22.801	ug/l	98
43) Isopropyl Acetate	8.357	43	45819	21.694	ug/l	91
44) Trichloroethene	9.028	130	42806	20.573	ug/l	99
45) 1,2-Dichloropropane	9.298	63	42557	21.591	ug/l	99
46) Dibromomethane	9.392	93	24827	21.519	ug/l	91
47) Bromodichloromethane	9.581	83	63118	21.801	ug/l	99
48) Methyl methacrylate	9.381	41	18228	18.962	ug/l #	87
49) 1,4-Dioxane	9.392	88	6160	416.737	ug/l #	84
51) 4-Methyl-2-Pentanone	10.157	43	123520	109.840	ug/l	93
52) Toluene	10.333	92	100137	19.968	ug/l	99
53) t-1,3-Dichloropropene	10.551	75	55531	20.664	ug/l #	88
54) cis-1,3-Dichloropropene	10.016	75	67606	21.346	ug/l #	90
55) 1,1,2-Trichloroethane	10.733	97	35782	21.239	ug/l	96
56) Ethyl methacrylate	10.598	69	39548	20.338	ug/l	92
57) 1,3-Dichloropropane	10.875	76	57964	21.127	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.869	63	89491	118.898	ug/l	96
59) 2-Hexanone	10.922	43	88427	110.202	ug/l	90
60) Dibromochloromethane	11.075	129	40937	20.917	ug/l	90
61) 1,2-Dibromoethane	11.180	107	32083	20.541	ug/l	96
64) Tetrachloroethene	10.810	164	33725	21.492	ug/l	93
65) Chlorobenzene	11.604	112	116259	21.006	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.680	131	44335	21.516	ug/l	95
67) Ethyl Benzene	11.680	91	196182	20.183	ug/l	93
68) m/p-Xylenes	11.792	106	150471	40.308	ug/l	89
69) o-Xylene	12.122	106	73307	20.307	ug/l	95
70) Styrene	12.133	104	127454	20.169	ug/l	98
71) Bromoform	12.298	173	24527	21.733	ug/l #	100
73) Isopropylbenzene	12.422	105	193592	20.956	ug/l	96
74) N-amyl acetate	12.233	43	40857	20.993	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.674	83	45030	22.702	ug/l	97
76) 1,2,3-Trichloropropane	12.722	75	27192m	22.456	ug/l	
77) Bromobenzene	12.704	156	45492	21.334	ug/l	85
78) n-propylbenzene	12.763	91	236344	21.103	ug/l	95
79) 2-Chlorotoluene	12.845	91	131336	21.387	ug/l	96
80) 1,3,5-Trimethylbenzene	12.904	105	155969	20.880	ug/l	94
81) trans-1,4-Dichloro-2-b...	12.469	75	12418	21.825	ug/l	98
82) 4-Chlorotoluene	12.945	91	135562	21.131	ug/l	96
83) tert-Butylbenzene	13.163	119	136910	20.816	ug/l	99
84) 1,2,4-Trimethylbenzene	13.210	105	157536	20.637	ug/l	96
85) sec-Butylbenzene	13.345	105	214128	21.309	ug/l	95
86) p-Isopropyltoluene	13.457	119	169801	20.460	ug/l	97
87) 1,3-Dichlorobenzene	13.457	146	91193	20.792	ug/l	97
88) 1,4-Dichlorobenzene	13.539	146	92554	21.538	ug/l	97
89) n-Butylbenzene	13.786	91	161318	19.865	ug/l	98
90) Hexachloroethane	14.051	117	36546	23.820	ug/l	83
91) 1,2-Dichlorobenzene	13.833	146	84149	21.773	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.445	75	5885	20.809	ug/l	94
93) 1,2,4-Trichlorobenzene	15.098	180	48476	20.545	ug/l	96
94) Hexachlorobutadiene	15.204	225	23814	20.986	ug/l	98
95) Naphthalene	15.333	128	114031	22.321	ug/l	99
96) 1,2,3-Trichlorobenzene	15.515	180	44045	20.802	ug/l	98

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ALS Vial : 6 Sample Multiplier: 1

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ClientSampleId :
VD0728SBSD01

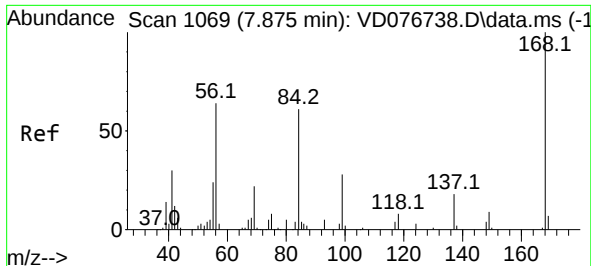
Manual Integrations
APPROVED

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Supervised By : Mahesh Dadoda 07/31/2023

Quant Time: Jul 28 23:01:59 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

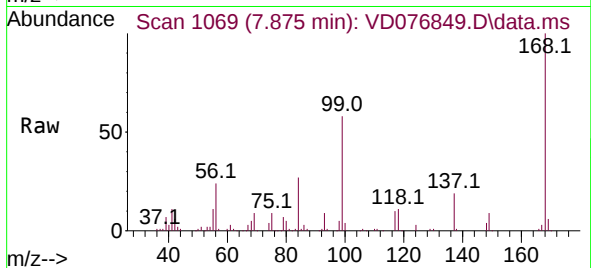
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. -0.000 min
Lab File: VD076849.D
Acq: 28 Jul 2023 12:32

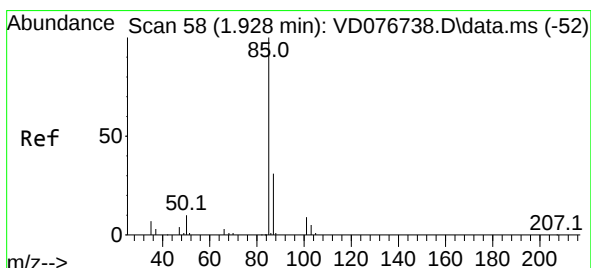
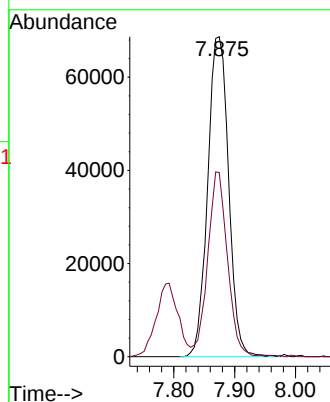
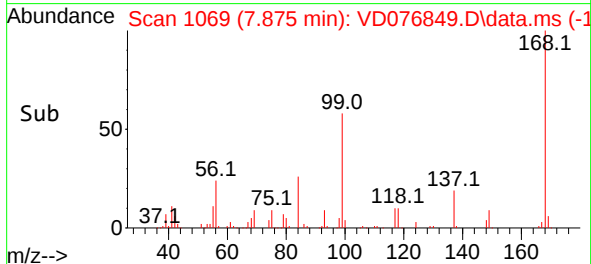
Instrument :
MSVOA_D
ClientSampleId :
VD0728SBS01



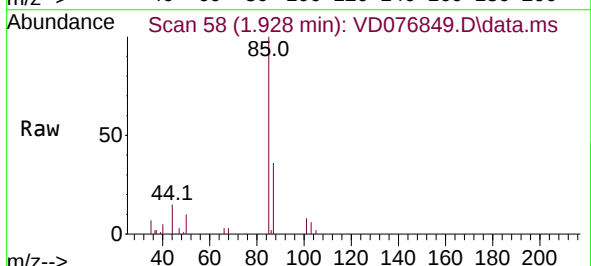
Tgt Ion:168 Resp: 163968
Ion Ratio Lower Upper
168 100
99 57.1 36.7 55.1

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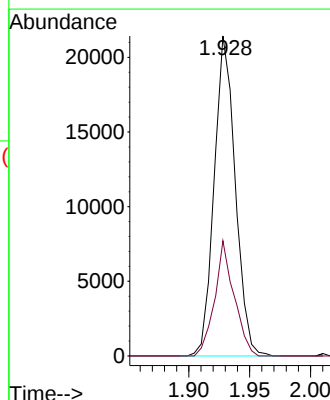
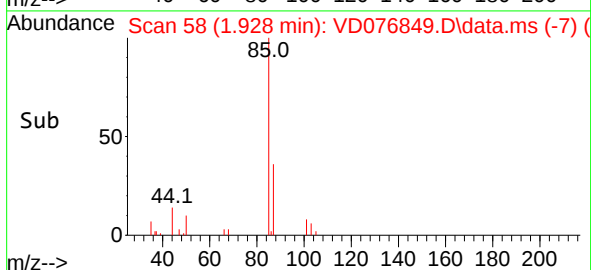
Reviewed By :John Carlone 07/31/2023
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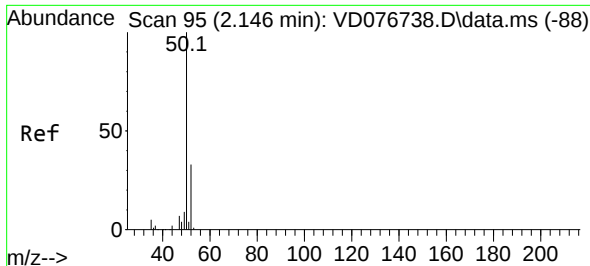


#2
Dichlorodifluoromethane
Concen: 20.119 ug/l
RT: 1.928 min Scan# 58
Delta R.T. -0.000 min
Lab File: VD076849.D
Acq: 28 Jul 2023 12:32



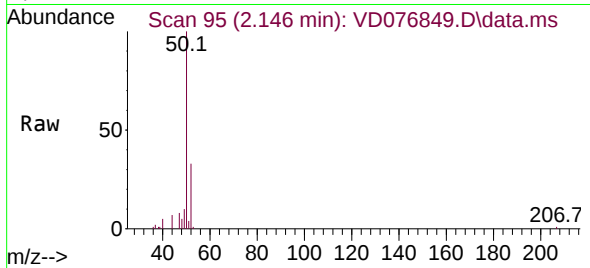
Tgt Ion: 85 Resp: 25797
Ion Ratio Lower Upper
85 100
87 36.0 15.7 47.0





#3
Chloromethane
Concen: 18.874 ug/l
RT: 2.146 min Scan# 95
Delta R.T. -0.000 min
Lab File: VD076849.D
Acq: 28 Jul 2023 12:32

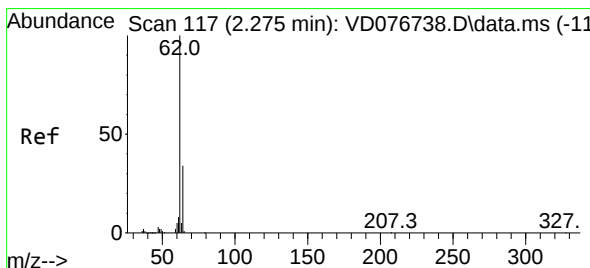
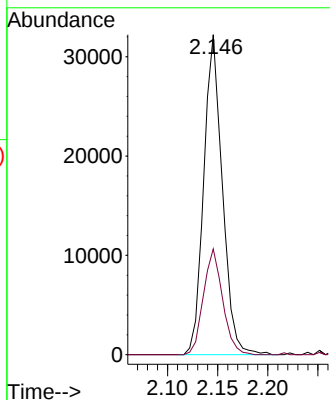
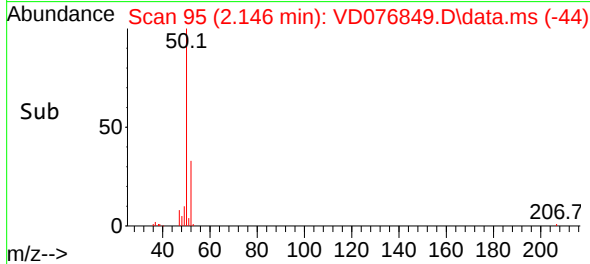
Instrument :
MSVOA_D
ClientSampleId :
VD0728SBSD01



Tgt Ion: 50 Resp: 41740
Ion Ratio Lower Upper
50 100
52 33.1 26.6 40.0

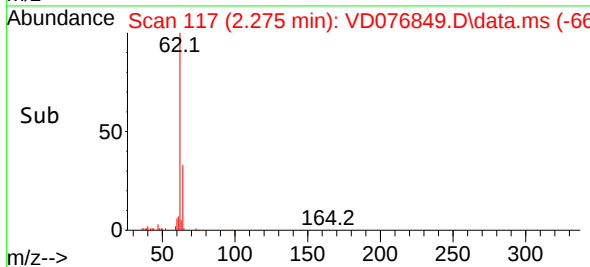
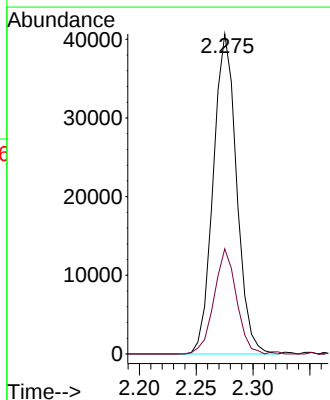
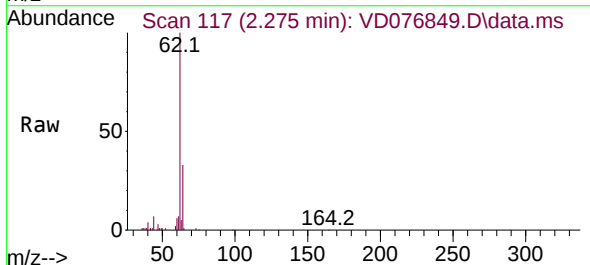
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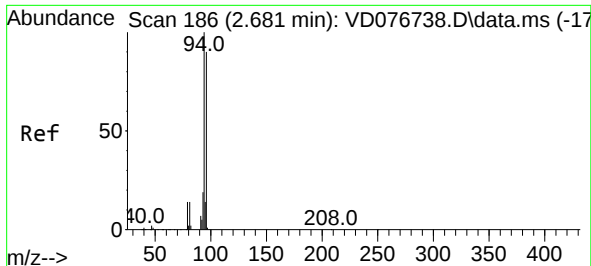
Reviewed By :John Carlone 07/31/2023
Supervised By :Mahesh Dadoda 07/31/2023



#4
Vinyl Chloride
Concen: 19.725 ug/l
RT: 2.275 min Scan# 117
Delta R.T. 0.000 min
Lab File: VD076849.D
Acq: 28 Jul 2023 12:32

Tgt Ion: 62 Resp: 58158
Ion Ratio Lower Upper
62 100
64 32.9 26.0 39.0





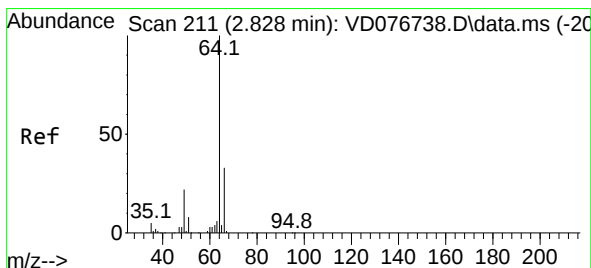
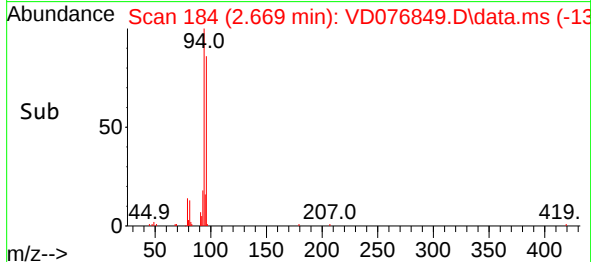
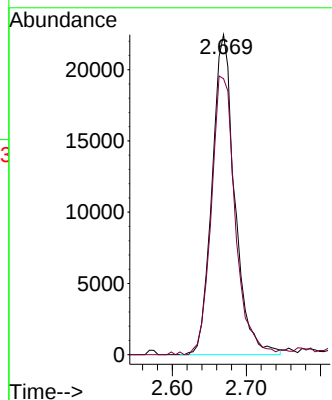
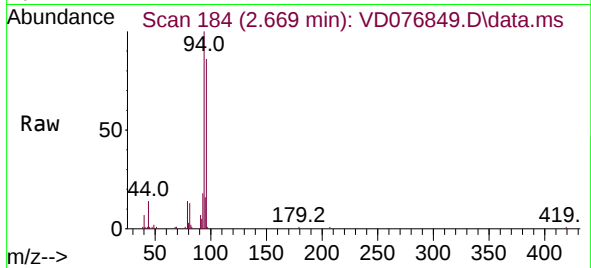
#5
Bromomethane
Concen: 19.655 ug/l
RT: 2.669 min Scan# 11
Delta R.T. -0.012 min
Lab File: VD076849.D
Acq: 28 Jul 2023 12:32

Instrument :
MSVOA_D
ClientSampleId :
VD0728SBSD01

Tgt Ion: 94 Resp: 47682
Ion Ratio Lower Upper
94 100
96 91.8 75.8 113.8

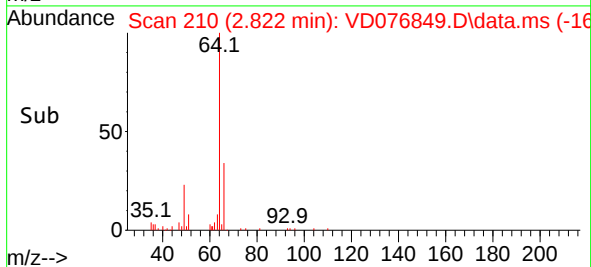
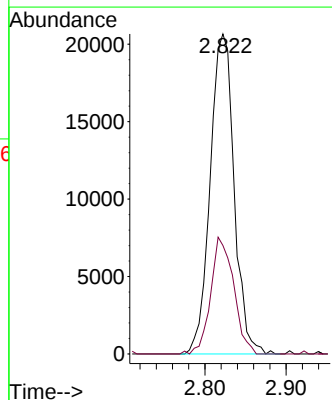
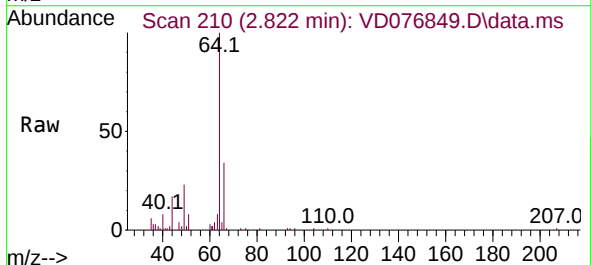
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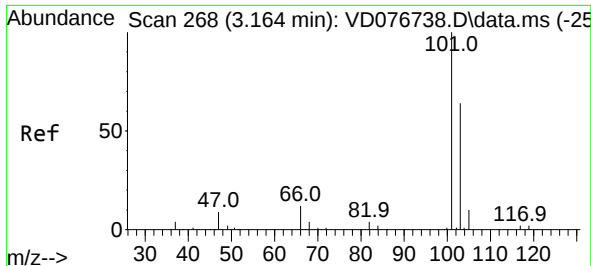
Reviewed By :John Carlone 07/31/2023
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#6
Chloroethane
Concen: 19.038 ug/l
RT: 2.822 min Scan# 210
Delta R.T. -0.006 min
Lab File: VD076849.D
Acq: 28 Jul 2023 12:32

Tgt Ion: 64 Resp: 42382
Ion Ratio Lower Upper
64 100
66 33.9 25.5 38.3





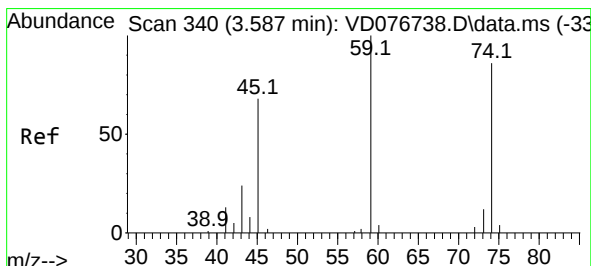
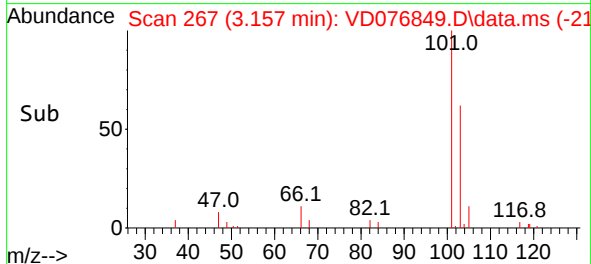
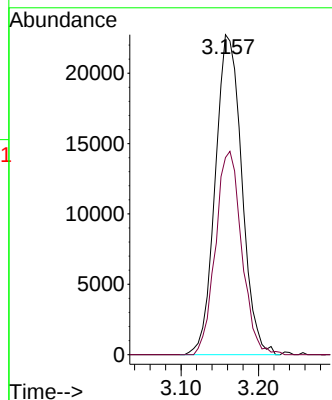
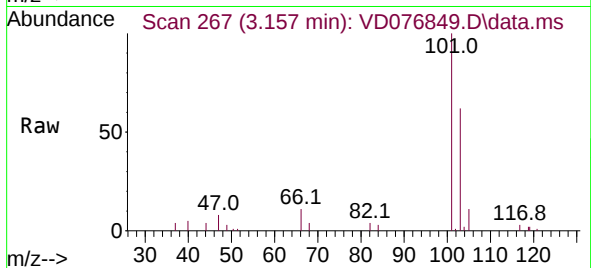
#7
Trichlorofluoromethane
Concen: 20.649 ug/l
RT: 3.157 min Scan# 20
Delta R.T. -0.007 min
Lab File: VD076849.D
Acq: 28 Jul 2023 12:32

Instrument :
MSVOA_D
ClientSampleId :
VD0728SBSD01

Tgt Ion:101 Resp: 5417
Ion Ratio Lower Upper
101 100
103 61.6 52.3 78.5

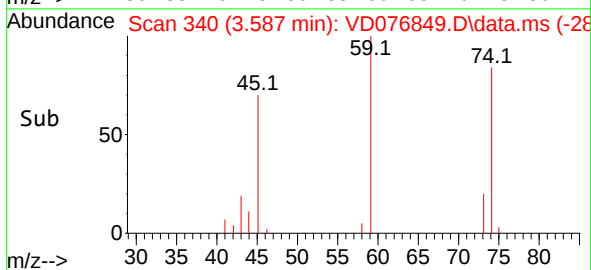
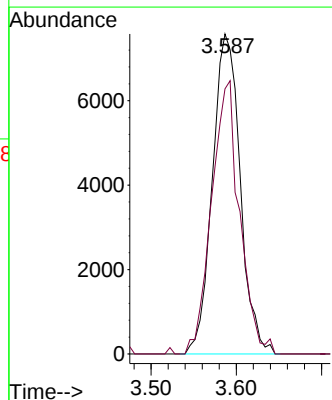
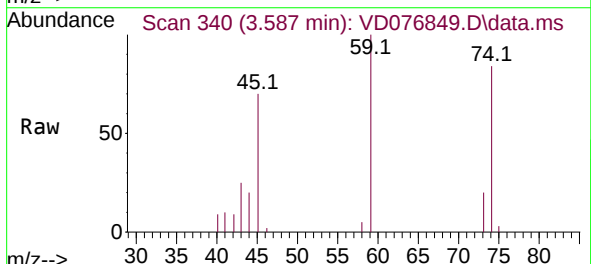
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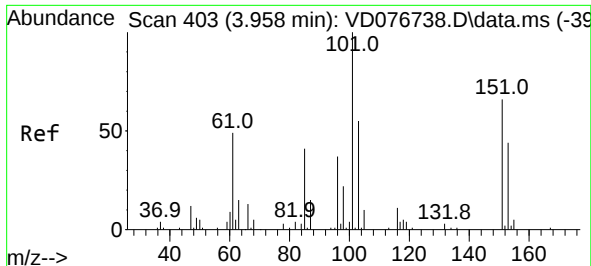
Reviewed By :John Carlone 07/31/2023
Supervised By :Mahesh Dadoda 07/31/2023



#8
Diethyl Ether
Concen: 19.026 ug/l
RT: 3.587 min Scan# 340
Delta R.T. -0.000 min
Lab File: VD076849.D
Acq: 28 Jul 2023 12:32

Tgt Ion: 74 Resp: 17186
Ion Ratio Lower Upper
74 100
45 86.2 37.5 112.7





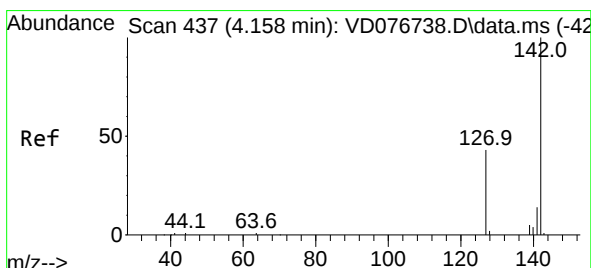
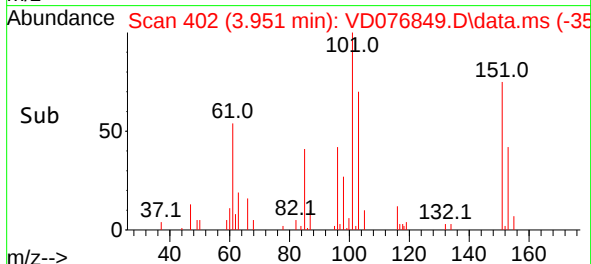
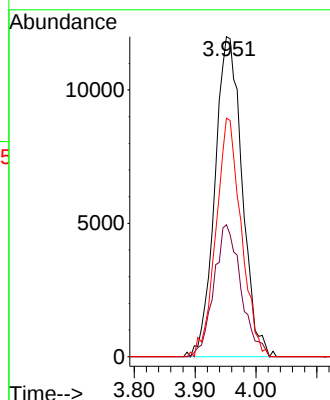
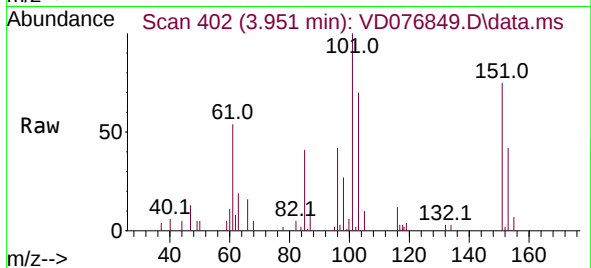
#9
1,1,2-Trichlorotrifluoroethane
Concen: 21.603 ug/l
RT: 3.951 min Scan# 403
Delta R.T. -0.007 min
Lab File: VD076849.D
Acq: 28 Jul 2023 12:32

Instrument :
MSVOA_D
ClientSampleId :
VD0728SBS01

Tgt Ion:101 Resp: 3725
Ion Ratio Lower Upper
101 100
85 41.2 33.8 50.6
151 69.1 59.8 89.6

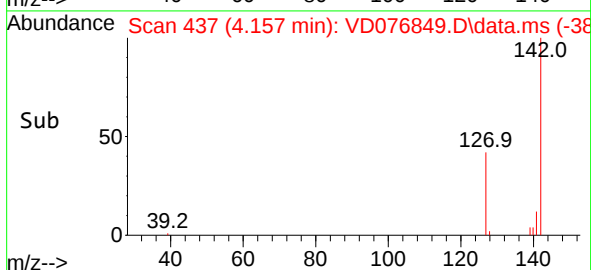
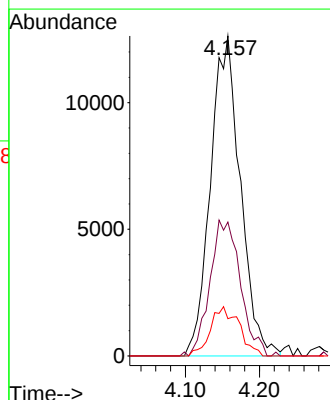
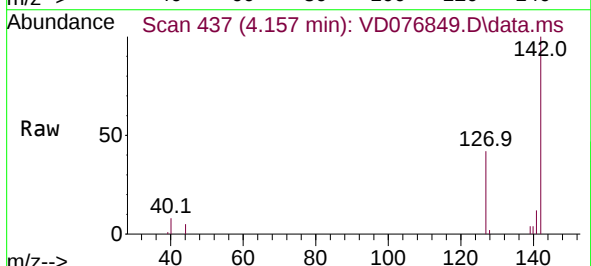
Manual Integrations
APPROVED

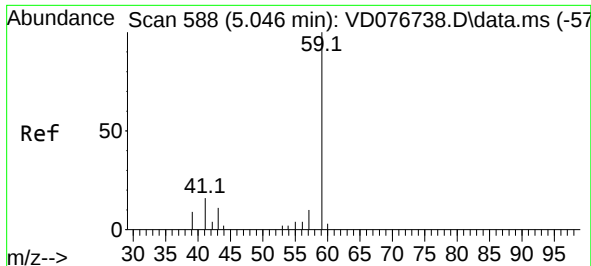
Reviewed By :John Carlone 07/31/2023
Supervised By :Mahesh Dadoda 07/31/2023



#10
Methyl Iodide
Concen: 18.171 ug/l
RT: 4.157 min Scan# 437
Delta R.T. -0.001 min
Lab File: VD076849.D
Acq: 28 Jul 2023 12:32

Tgt Ion:142 Resp: 35326
Ion Ratio Lower Upper
142 100
127 43.2 29.4 44.0
141 14.8 11.1 16.7





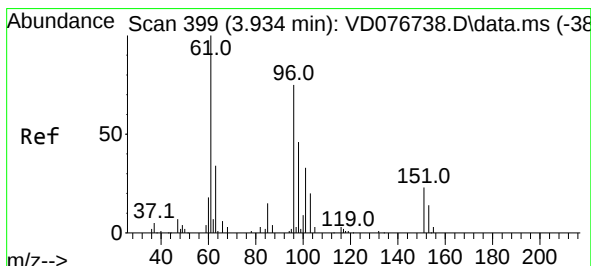
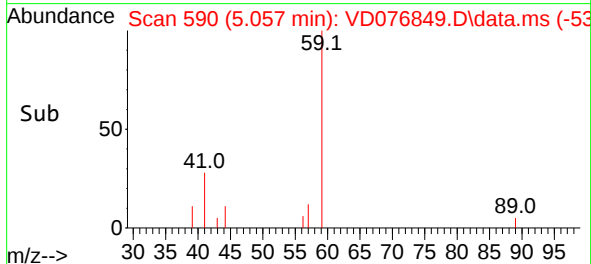
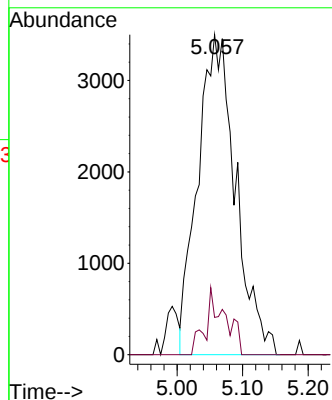
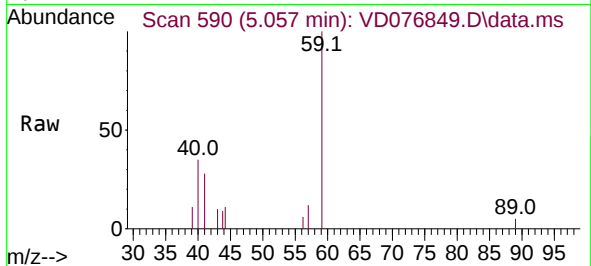
#11
Tert butyl alcohol
Concen: 114.885 ug/l
RT: 5.057 min Scan# 590
Delta R.T. 0.011 min
Lab File: VD076849.D
Acq: 28 Jul 2023 12:32

Instrument :
MSVOA_D
ClientSampleId :
VD0728SBSD01

Tgt Ion: 59 Resp: 1400
Ion Ratio Lower Upper
59 100
57 11.0 7.8 11.8

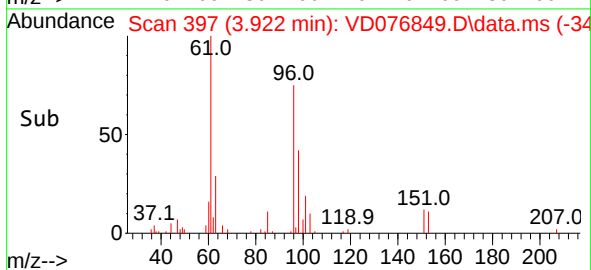
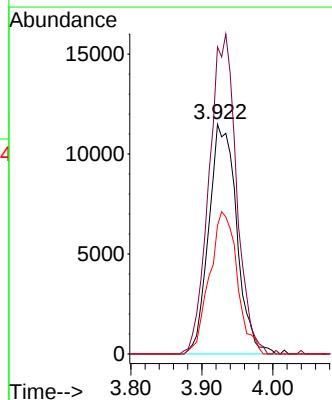
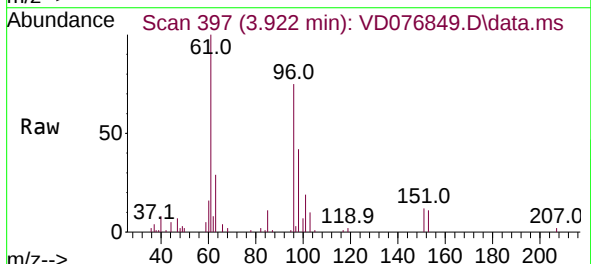
Manual Integrations
APPROVED

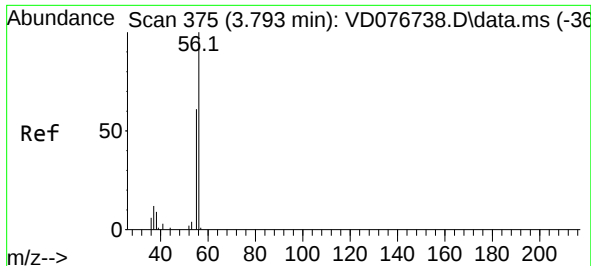
Reviewed By :John Carlone 07/31/2023
Supervised By :Mahesh Dadoda 07/31/2023



#12
1,1-Dichloroethene
Concen: 19.342 ug/l
RT: 3.922 min Scan# 397
Delta R.T. -0.012 min
Lab File: VD076849.D
Acq: 28 Jul 2023 12:32

Tgt Ion: 96 Resp: 31339
Ion Ratio Lower Upper
96 100
61 133.7 100.6 150.8
98 55.8 50.2 75.2





#13

Acrolein

Concen: 105.359 ug/l

RT: 3.793 min Scan# 31

Delta R.T. -0.000 min

Lab File: VD076849.D

Acq: 28 Jul 2023 12:32

Instrument :

MSVOA_D

ClientSampleId :

VD0728SBS01

Tgt Ion: 56 Resp: 8750

Ion Ratio Lower Upper

56 100

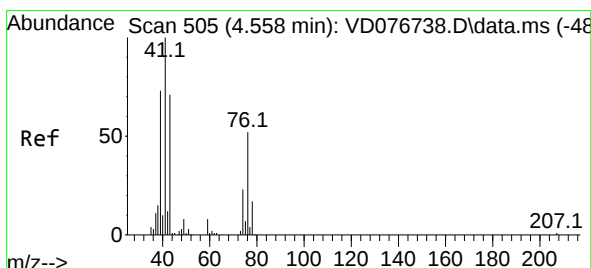
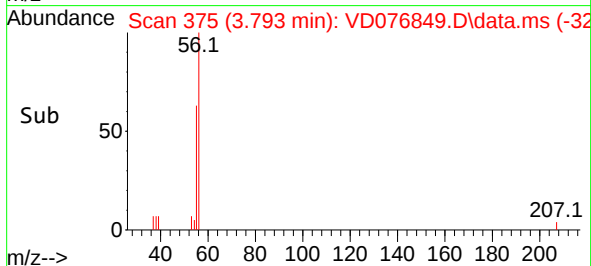
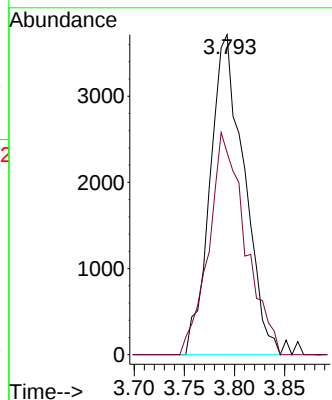
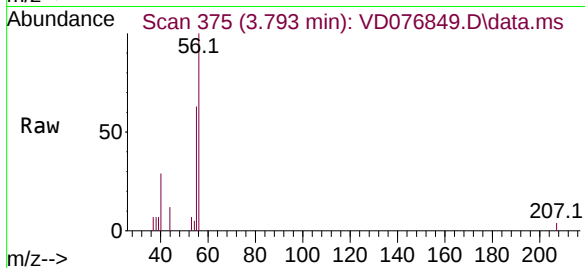
55 74.6 55.1 82.7

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/31/2023

Supervised By :Mahesh Dadoda 07/31/2023



#14

Allyl chloride

Concen: 19.905 ug/l

RT: 4.545 min Scan# 503

Delta R.T. -0.013 min

Lab File: VD076849.D

Acq: 28 Jul 2023 12:32

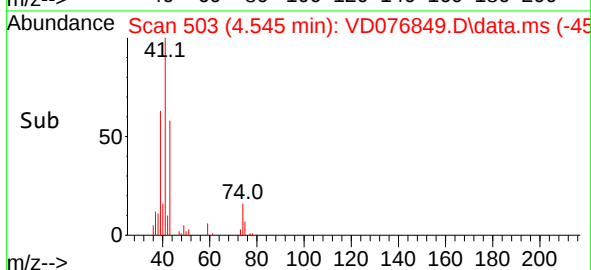
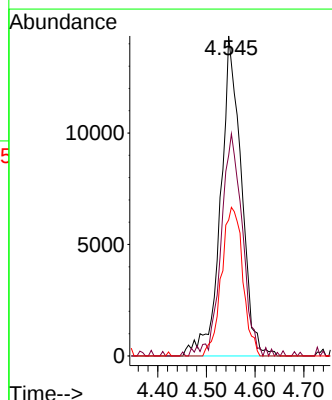
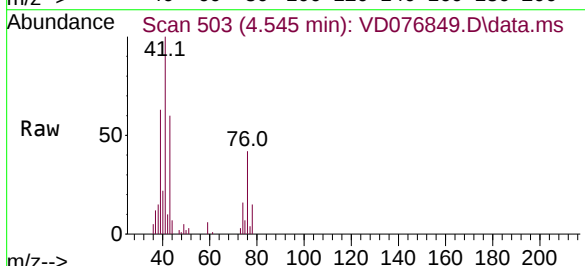
Tgt Ion: 41 Resp: 42366

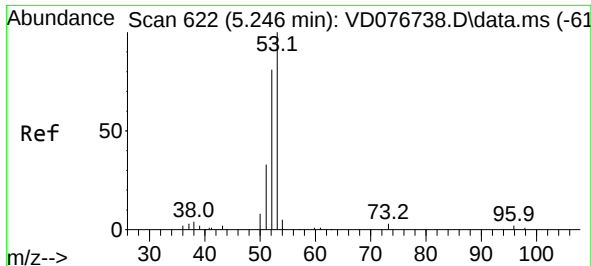
Ion Ratio Lower Upper

41 100

39 71.1 53.8 80.6

76 47.6 45.8 68.8





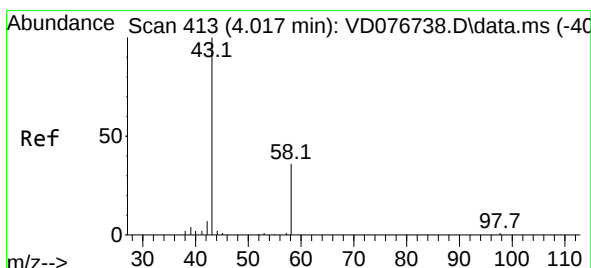
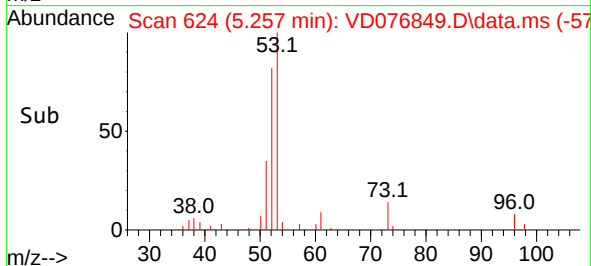
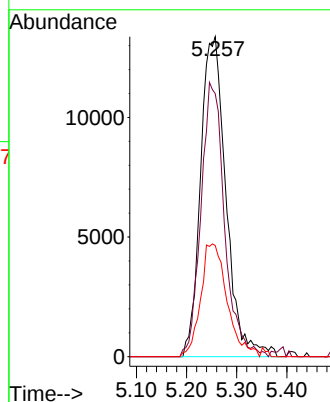
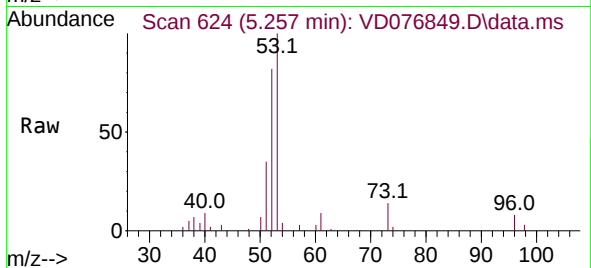
#15
Acrylonitrile
Concen: 106.456 ug/l
RT: 5.257 min Scan# 61
Delta R.T. 0.011 min
Lab File: VD076849.D
Acq: 28 Jul 2023 12:32

Instrument :
MSVOA_D
ClientSampleId :
VD0728SBS01

Tgt Ion: 53 Resp: 47229
Ion Ratio Lower Upper
53 100
52 79.2 65.0 97.4
51 36.5 28.3 42.5

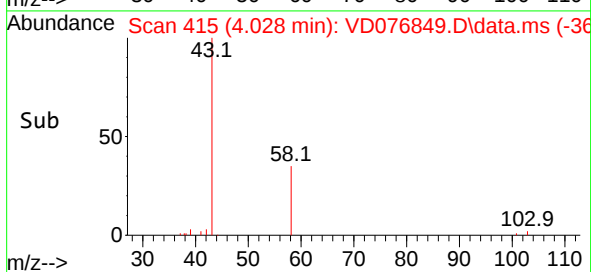
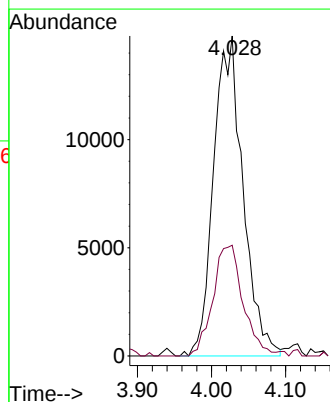
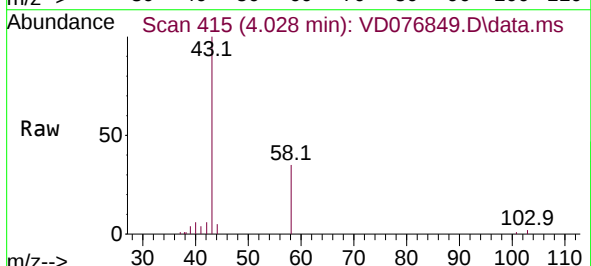
Manual Integrations
APPROVED

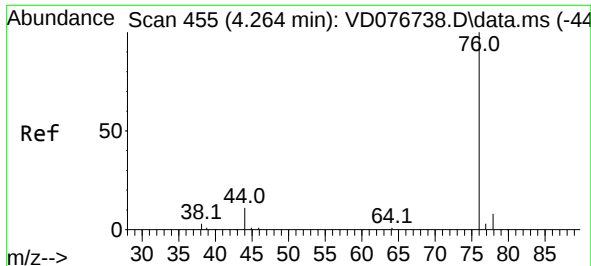
Reviewed By :John Carlone 07/31/2023
Supervised By :Mahesh Dadoda 07/31/2023



#16
Acetone
Concen: 104.226 ug/l
RT: 4.028 min Scan# 415
Delta R.T. 0.011 min
Lab File: VD076849.D
Acq: 28 Jul 2023 12:32

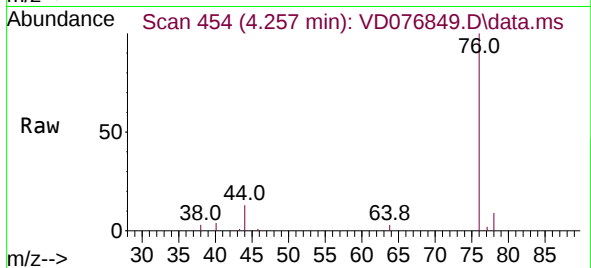
Tgt Ion: 43 Resp: 40652
Ion Ratio Lower Upper
43 100
58 34.6 34.7 52.1#





#17
Carbon Disulfide
Concen: 16.432 ug/l
RT: 4.257 min Scan# 41
Delta R.T. -0.007 min
Lab File: VD076849.D
Acq: 28 Jul 2023 12:32

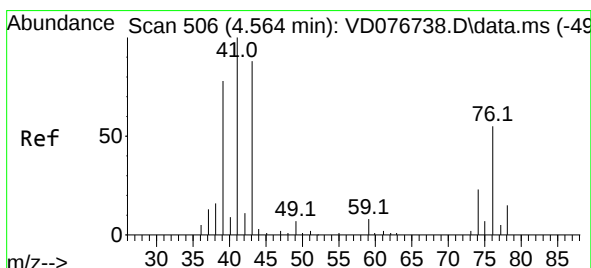
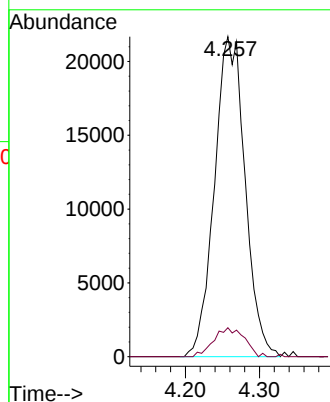
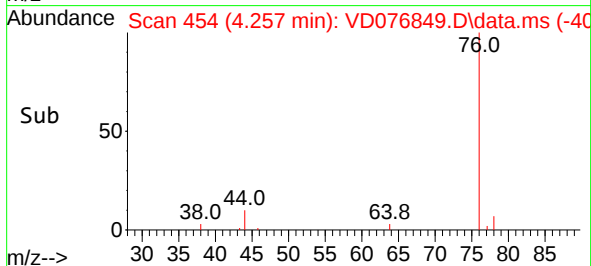
Instrument :
MSVOA_D
ClientSampleId :
VD0728SBSD01



Tgt Ion: 76 Resp: 62184
Ion Ratio Lower Upper
76 100
78 9.0 6.8 10.2

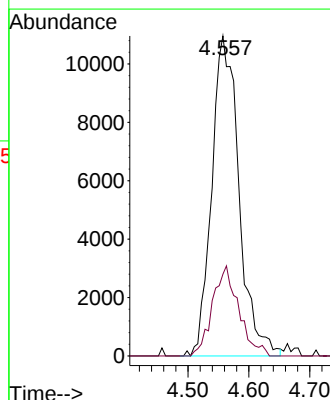
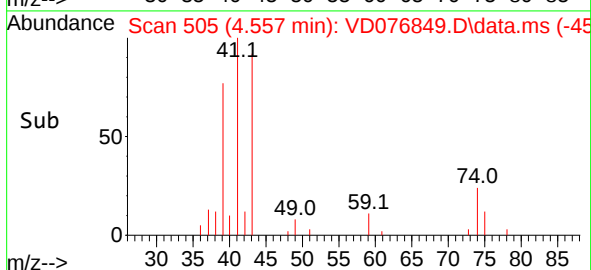
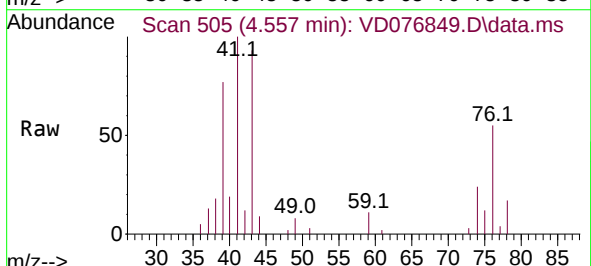
Manual Integrations
APPROVED

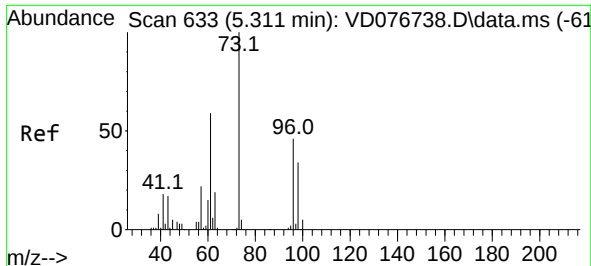
Reviewed By :John Carlone 07/31/2023
Supervised By :Mahesh Dadoda 07/31/2023



#18
Methyl Acetate
Concen: 23.269 ug/l
RT: 4.557 min Scan# 505
Delta R.T. -0.007 min
Lab File: VD076849.D
Acq: 28 Jul 2023 12:32

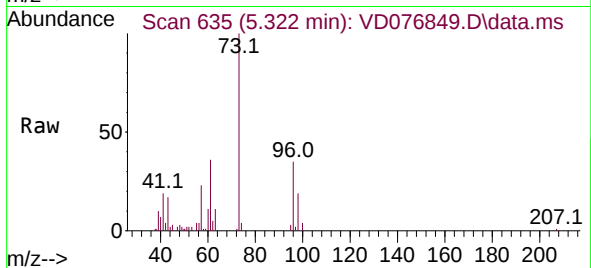
Tgt Ion: 43 Resp: 34099
Ion Ratio Lower Upper
43 100
74 27.1 26.4 39.6





#19
Methyl tert-butyl Ether
Concen: 20.142 ug/l
RT: 5.322 min Scan# 61
Delta R.T. 0.011 min
Lab File: VD076849.D
Acq: 28 Jul 2023 12:32

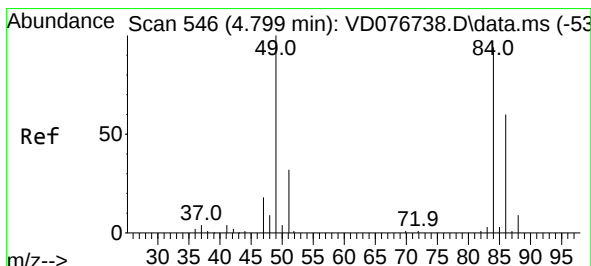
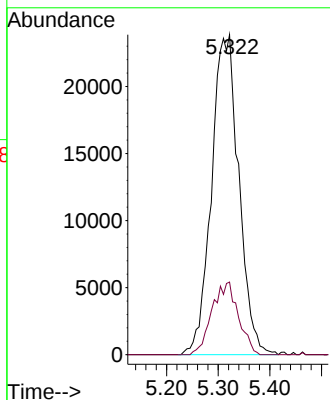
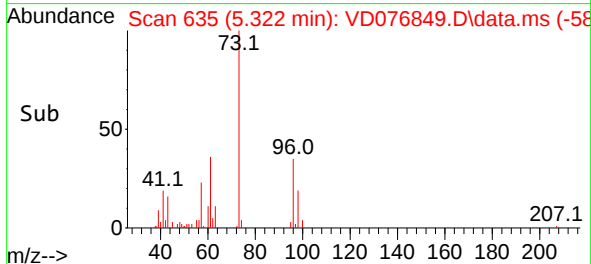
Instrument :
MSVOA_D
ClientSampleId :
VD0728SBSD01



Tgt Ion: 73 Resp: 8751
Ion Ratio Lower Upper
73 100
57 22.7 16.6 25.0

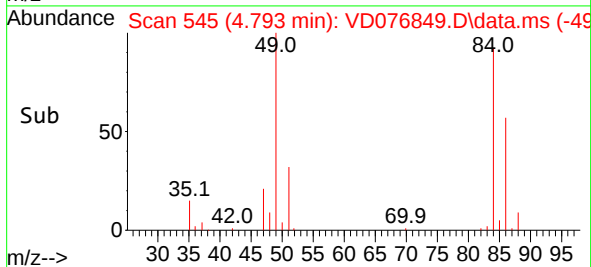
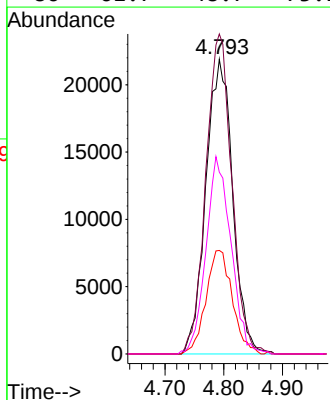
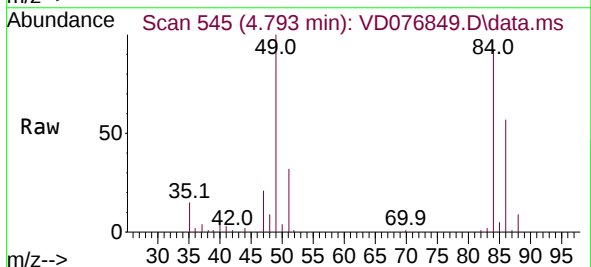
Manual Integrations
APPROVED

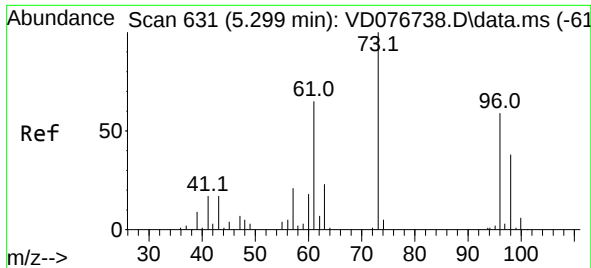
Reviewed By :John Carlone 07/31/2023
Supervised By :Mahesh Dadoda 07/31/2023



#20
Methylene Chloride
Concen: 24.704 ug/l
RT: 4.793 min Scan# 545
Delta R.T. -0.006 min
Lab File: VD076849.D
Acq: 28 Jul 2023 12:32

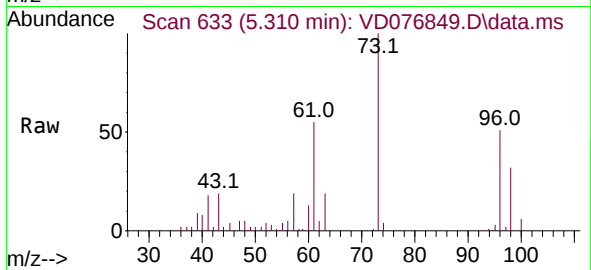
Tgt Ion: 84 Resp: 69477
Ion Ratio Lower Upper
84 100
49 108.5 71.4 107.2#
51 35.1 24.5 36.7
86 61.7 48.7 73.1





#21
trans-1,2-Dichloroethene
Concen: 19.961 ug/l
RT: 5.310 min Scan# 611
Delta R.T. 0.011 min
Lab File: VD076849.D
Acq: 28 Jul 2023 12:32

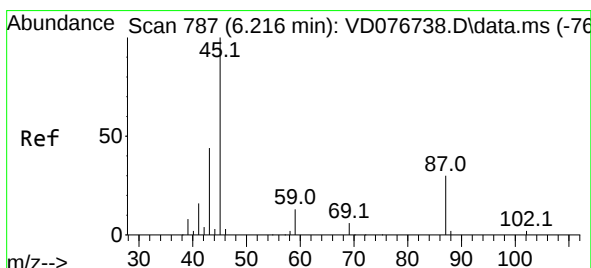
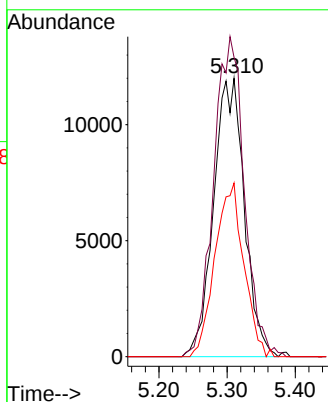
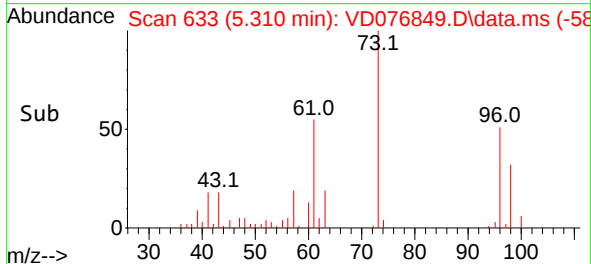
Instrument :
MSVOA_D
ClientSampleId :
VD0728SBSD01



Tgt Ion: 96 Resp: 37594
Ion Ratio Lower Upper
96 100
61 107.5 89.3 133.9
98 62.3 48.6 73.0

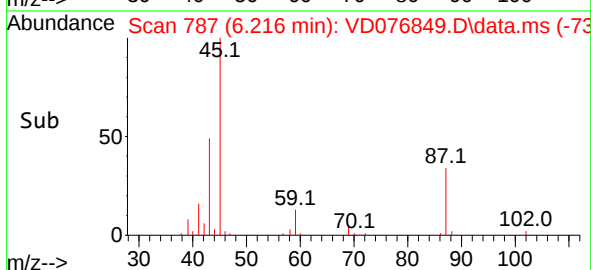
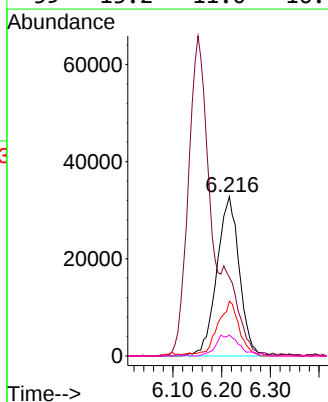
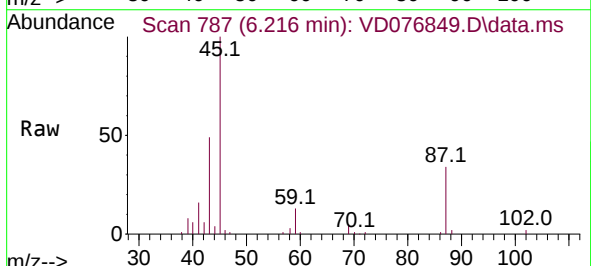
Manual Integrations
APPROVED

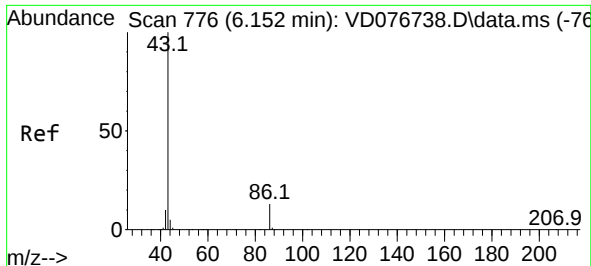
Reviewed By :John Carlone 07/31/2023
Supervised By :Mahesh Dadoda 07/31/2023



#22
Diisopropyl ether
Concen: 20.903 ug/l
RT: 6.216 min Scan# 787
Delta R.T. -0.000 min
Lab File: VD076849.D
Acq: 28 Jul 2023 12:32

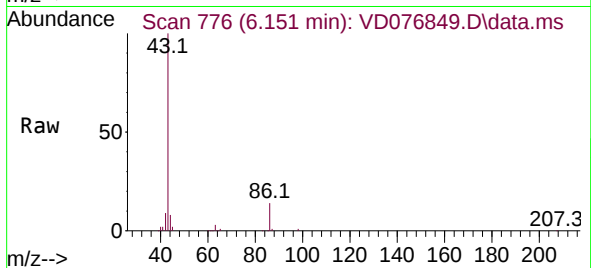
Tgt Ion: 45 Resp: 105354
Ion Ratio Lower Upper
45 100
43 48.3 40.0 60.0
87 34.3 28.2 42.4
59 13.2 11.0 16.4





#23
 Vinyl Acetate
 Concen: 94.732 ug/l m
 RT: 6.151 min Scan# 776
 Delta R.T. -0.001 min
 Lab File: VD076849.D
 Acq: 28 Jul 2023 12:32

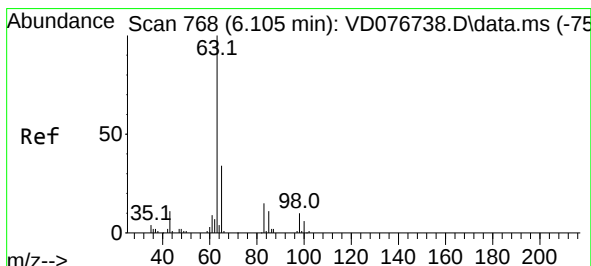
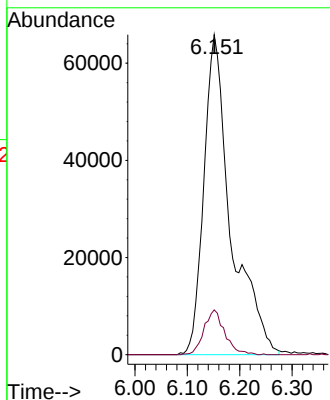
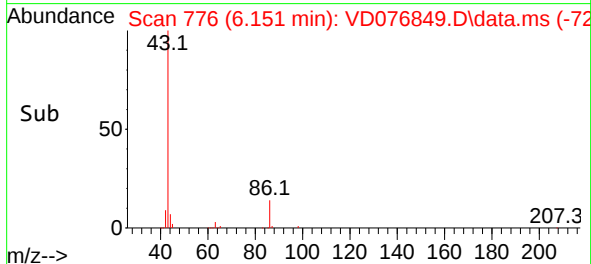
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0728SBS01



Tgt Ion: 43 Resp: 23624
 Ion Ratio Lower Upper
 43 100
 86 14.0 12.5 18.7

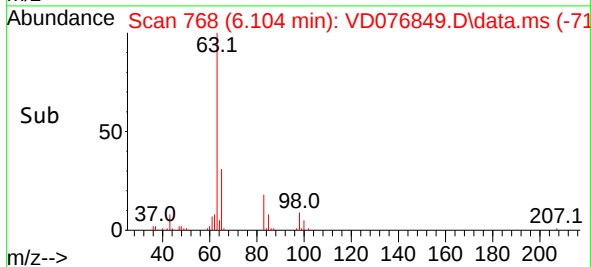
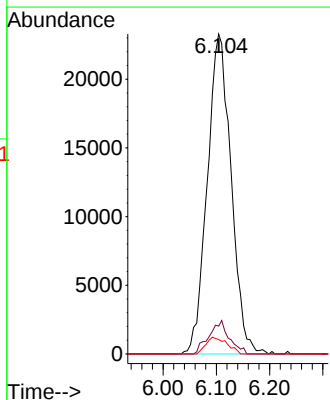
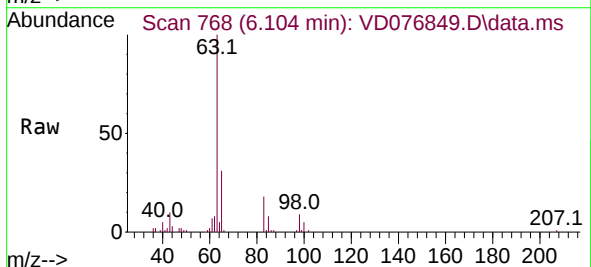
Manual Integrations
 APPROVED

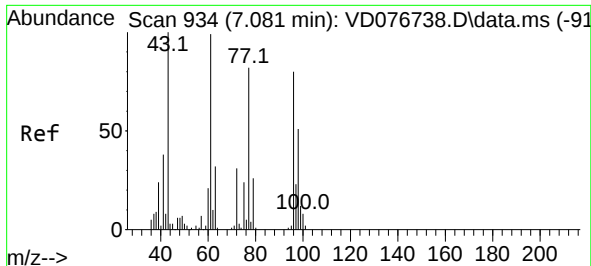
Reviewed By :John Carlone 07/31/2023
 Supervised By :Mahesh Dadoda 07/31/2023



#24
 1,1-Dichloroethane
 Concen: 21.309 ug/l
 RT: 6.104 min Scan# 768
 Delta R.T. -0.001 min
 Lab File: VD076849.D
 Acq: 28 Jul 2023 12:32

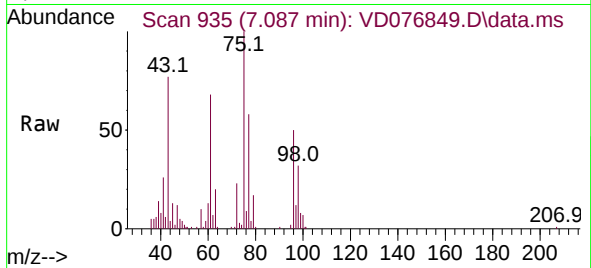
Tgt Ion: 63 Resp: 72413
 Ion Ratio Lower Upper
 63 100
 98 8.7 4.5 13.7
 100 4.5 2.5 7.5





#25
2-Butanone
Concen: 111.141 ug/l
RT: 7.087 min Scan# 91
Delta R.T. 0.006 min
Lab File: VD076849.D
Acq: 28 Jul 2023 12:32

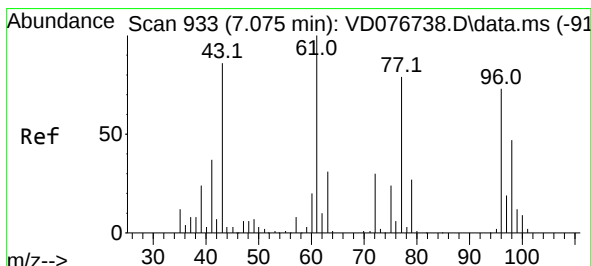
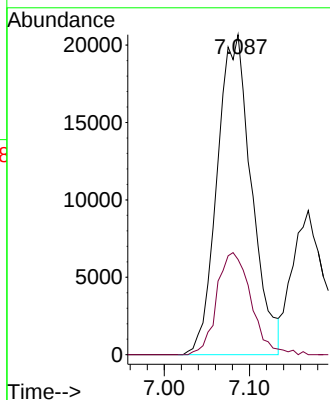
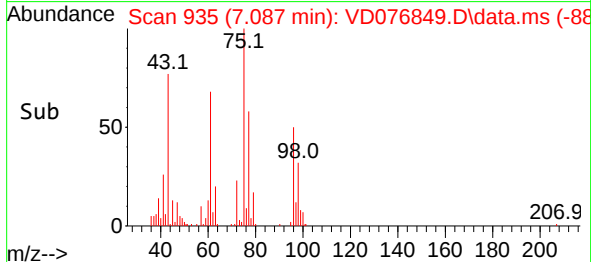
Instrument :
MSVOA_D
ClientSampleId :
VD0728SBS01



Tgt Ion: 43 Resp: 58010
Ion Ratio Lower Upper
43 100
72 29.7 30.7 46.1

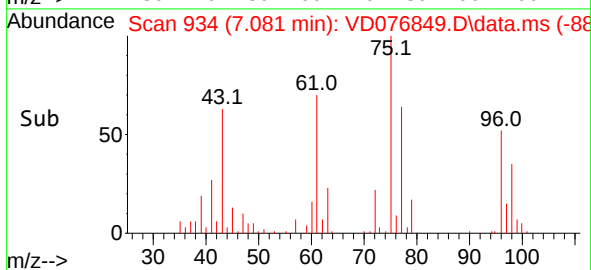
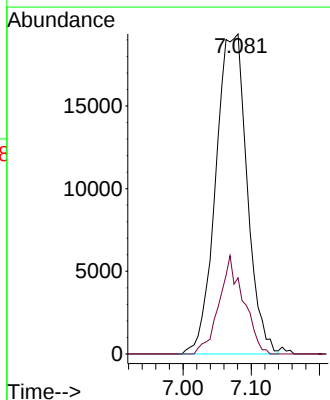
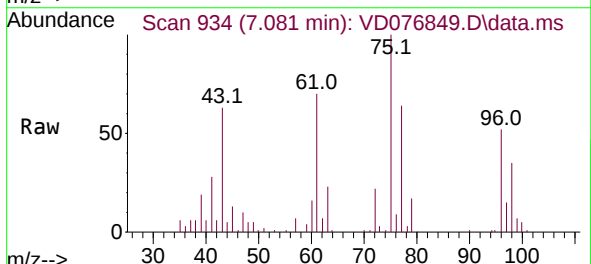
Manual Integrations
APPROVED

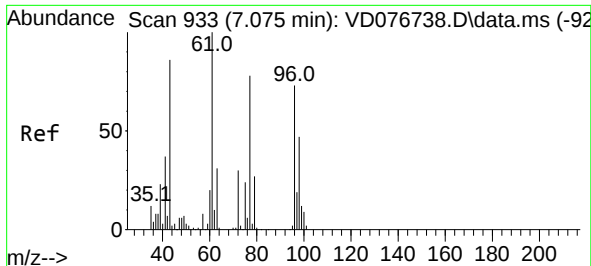
Reviewed By :John Carlone 07/31/2023
Supervised By :Mahesh Dadoda 07/31/2023



#26
2,2-Dichloropropane
Concen: 21.099 ug/l
RT: 7.081 min Scan# 934
Delta R.T. 0.006 min
Lab File: VD076849.D
Acq: 28 Jul 2023 12:32

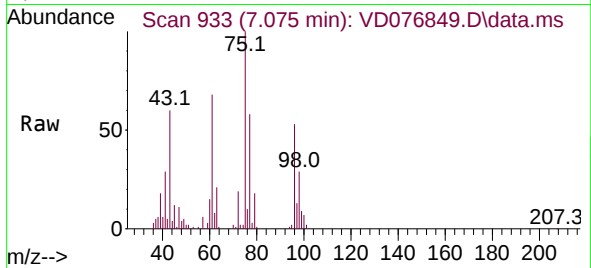
Tgt Ion: 77 Resp: 61806
Ion Ratio Lower Upper
77 100
97 24.1 13.2 39.6





#27
 cis-1,2-Dichloroethene
 Concen: 19.878 ug/l
 RT: 7.075 min Scan# 91
 Delta R.T. -0.000 min
 Lab File: VD076849.D
 Acq: 28 Jul 2023 12:32

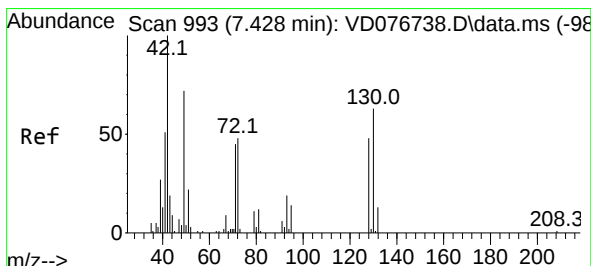
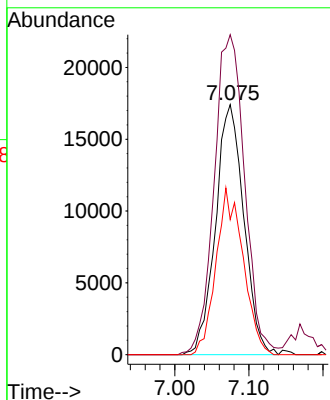
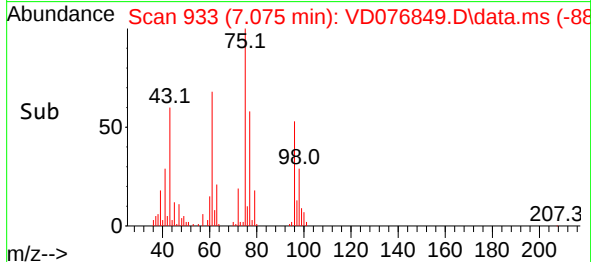
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0728SBSD01



Tgt Ion: 96 Resp: 4615
 Ion Ratio Lower Upper
 96 100
 61 138.1 0.0 239.2
 98 64.0 0.0 128.6

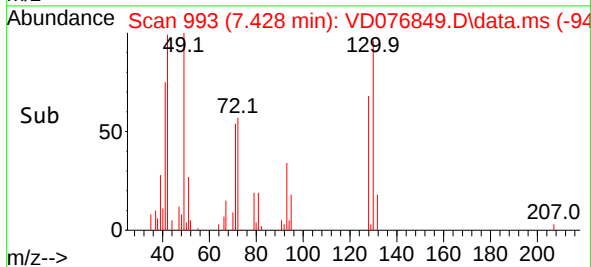
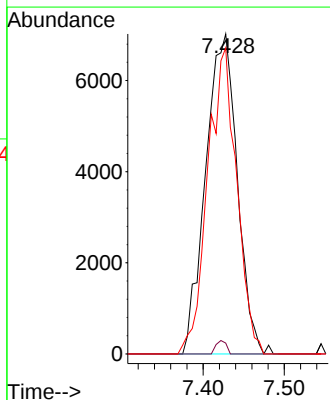
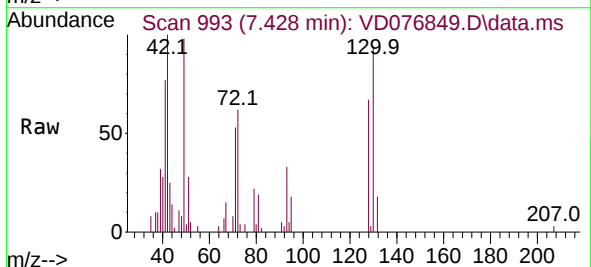
Manual Integrations
 APPROVED

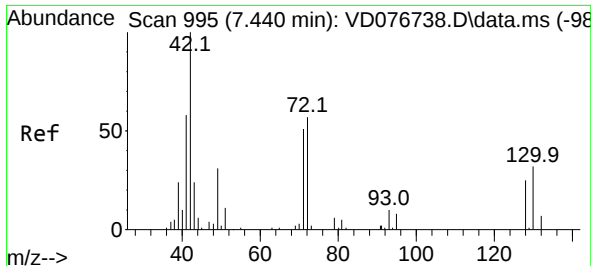
Reviewed By :John Carlone 07/31/2023
 Supervised By :Mahesh Dadoda 07/31/2023



#28
 Bromochloromethane
 Concen: 22.408 ug/l
 RT: 7.428 min Scan# 993
 Delta R.T. -0.000 min
 Lab File: VD076849.D
 Acq: 28 Jul 2023 12:32

Tgt Ion: 49 Resp: 19038
 Ion Ratio Lower Upper
 49 100
 129 1.4 0.0 6.0
 130 87.3 83.2 124.8





#29

Tetrahydrofuran

Concen: 104.286 ug/l

RT: 7.451 min Scan# 995

Delta R.T. 0.011 min

Lab File: VD076849.D

Acq: 28 Jul 2023 12:32

Instrument :

MSVOA_D

ClientSampleId :

VD0728SBSD01

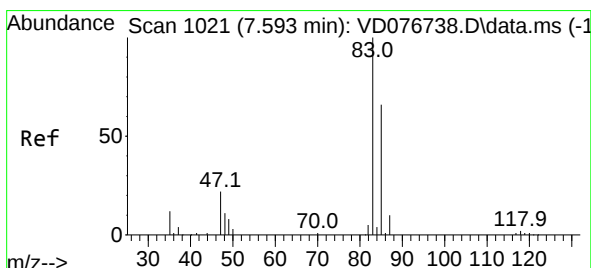
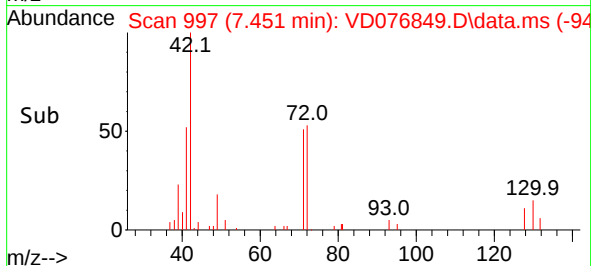
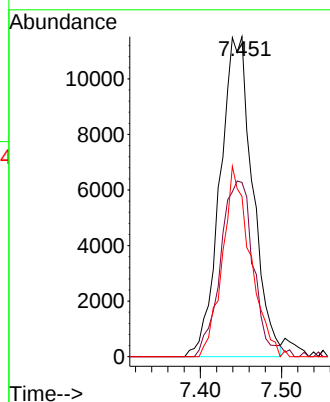
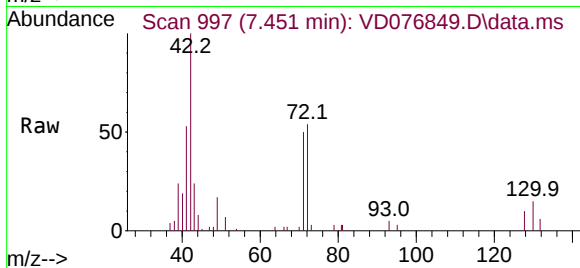
Tgt Ion: 42	Resp: 32164
Ion Ratio	Lower Upper
42 100	
72 55.5	46.5 69.7
71 50.8	44.5 66.7

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/31/2023

Supervised By :Mahesh Dadoda 07/31/2023



#30

Chloroform

Concen: 21.621 ug/l

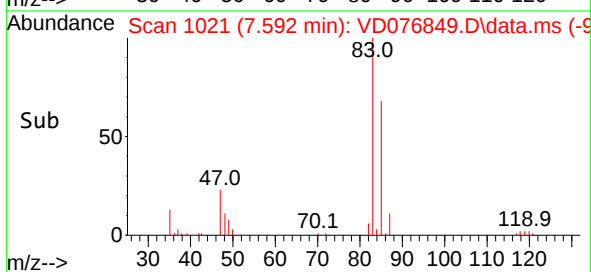
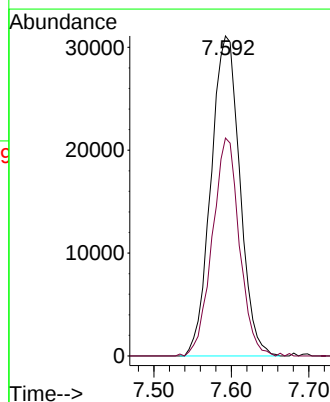
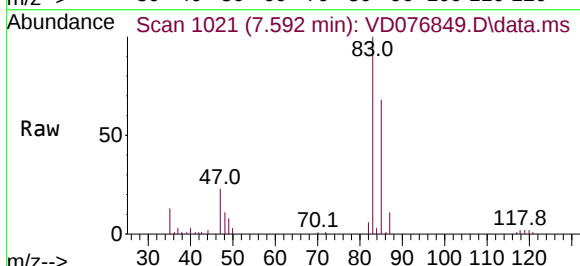
RT: 7.592 min Scan# 1021

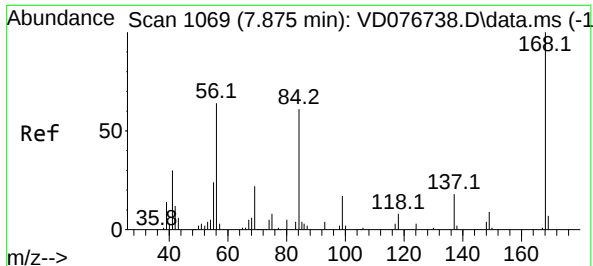
Delta R.T. -0.001 min

Lab File: VD076849.D

Acq: 28 Jul 2023 12:32

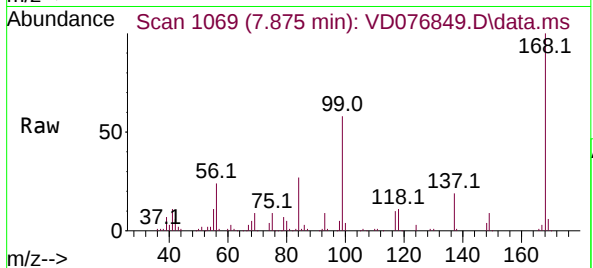
Tgt Ion: 83	Resp: 80474
Ion Ratio	Lower Upper
83 100	
85 67.5	53.4 80.2





#31
Cyclohexane
Concen: 17.808 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. -0.000 min
Lab File: VD076849.D
Acq: 28 Jul 2023 12:32

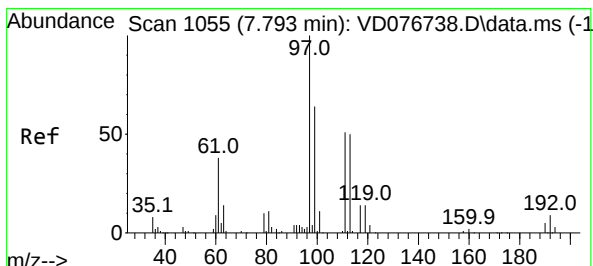
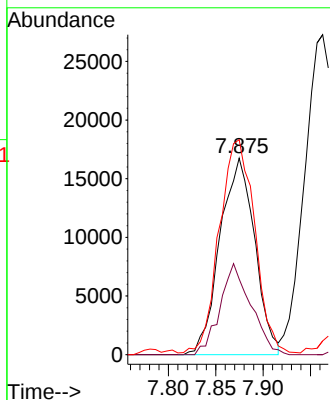
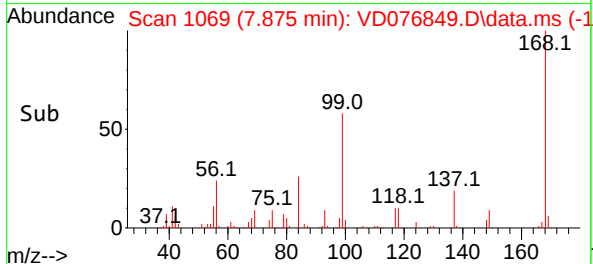
Instrument :
MSVOA_D
ClientSampleId :
VD0728SBSD01



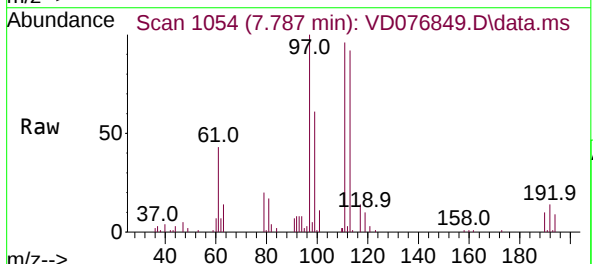
Tgt Ion: 56 Resp: 4280
Ion Ratio Lower Upper
56 100
69 38.5 28.6 43.0
84 108.5 84.8 127.2

Manual Integrations
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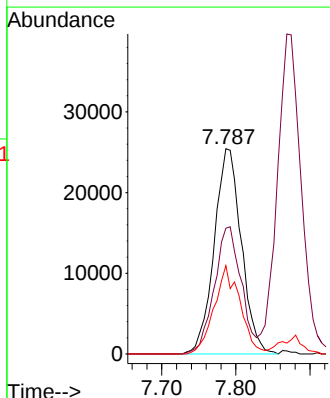
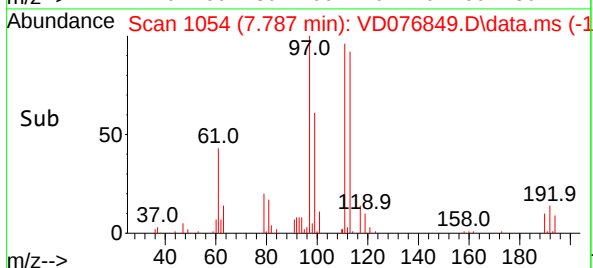
Reviewed By :John Carlone 07/31/2023
Supervised By :Mahesh Dadoda 07/31/2023

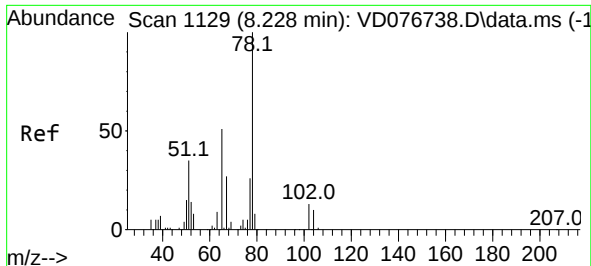


#32
1,1,1-Trichloroethane
Concen: 21.564 ug/l
RT: 7.787 min Scan# 1054
Delta R.T. -0.006 min
Lab File: VD076849.D
Acq: 28 Jul 2023 12:32



Tgt Ion: 97 Resp: 64757
Ion Ratio Lower Upper
97 100
99 61.4 52.0 78.0
61 41.0 33.8 50.8





#33

1,2-Dichloroethane-d4

Concen: 47.476 ug/l

RT: 8.228 min Scan# 1129

Delta R.T. -0.000 min

Lab File: VD076849.D

Acq: 28 Jul 2023 12:32

Instrument :

MSVOA_D

ClientSampleId :

VD0728SBS01

Tgt Ion: 65 Resp: 77530

Ion Ratio Lower Upper

65 100

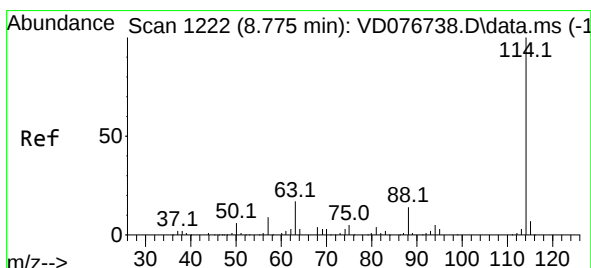
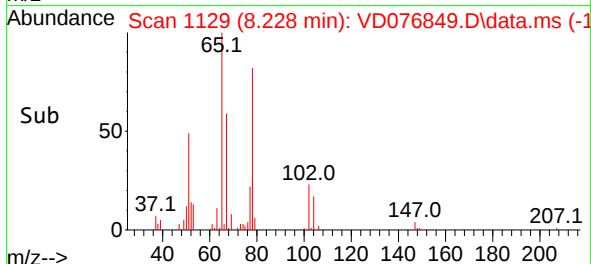
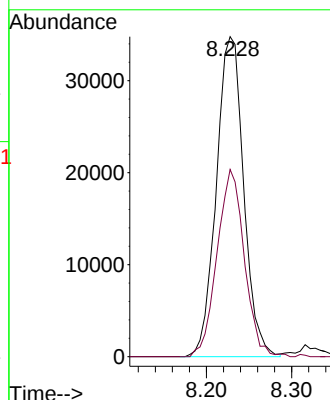
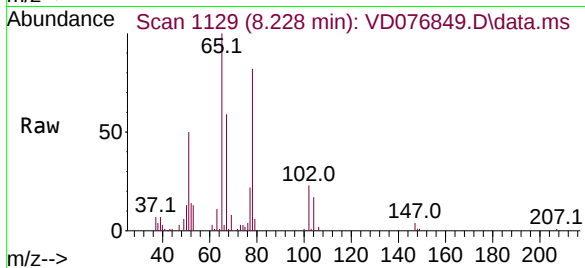
67 58.3 0.0 115.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/31/2023

Supervised By :Mahesh Dadoda 07/31/2023



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.775 min Scan# 1222

Delta R.T. -0.000 min

Lab File: VD076849.D

Acq: 28 Jul 2023 12:32

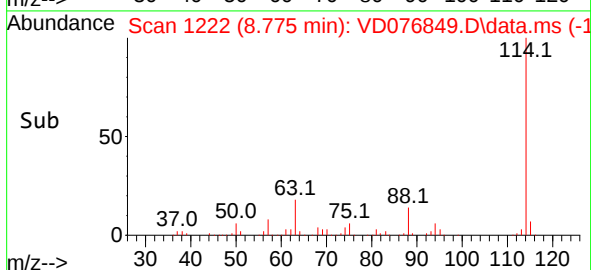
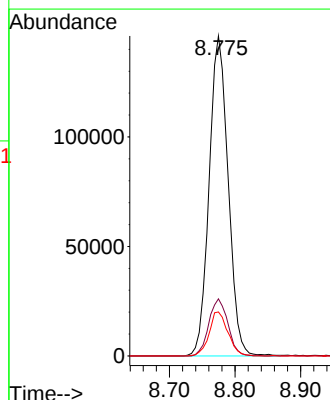
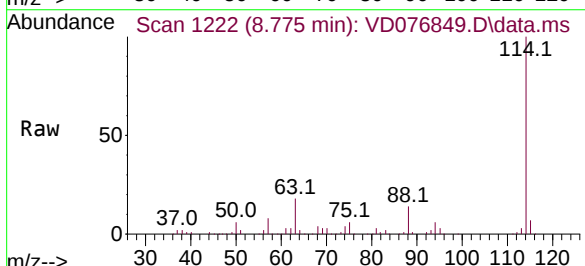
Tgt Ion:114 Resp: 294702

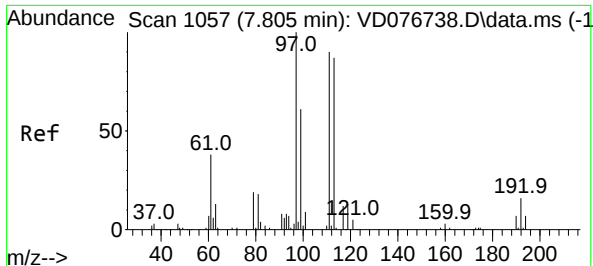
Ion Ratio Lower Upper

114 100

63 17.9 0.0 33.4

88 13.7 0.0 26.2





#35

Dibromofluoromethane

Concen: 50.485 ug/l

RT: 7.804 min Scan# 1057

Delta R.T. -0.001 min

Lab File: VD076849.D

Acq: 28 Jul 2023 12:32

Instrument :

MSVOA_D

ClientSampleId :

VD0728SBS01

Tgt Ion: 113 Resp: 93494

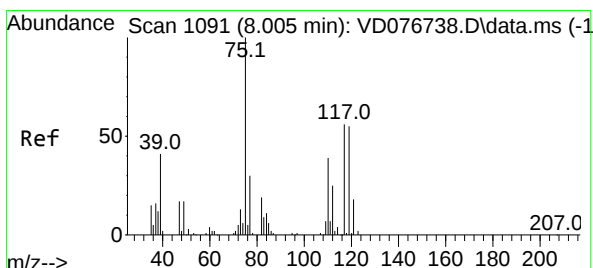
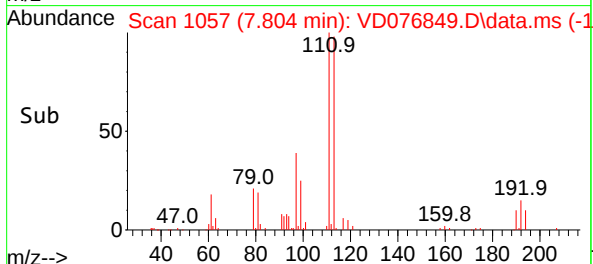
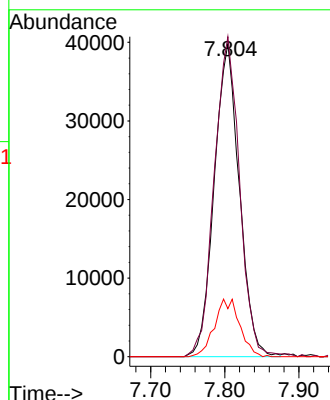
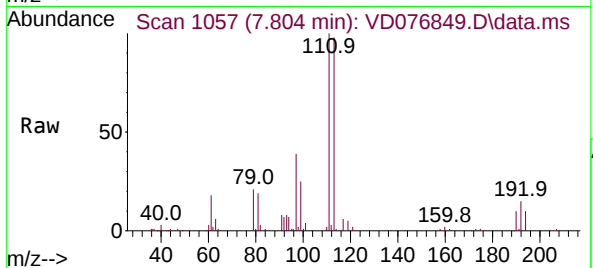
Ion	Ratio	Lower	Upper
113	100		
111	103.5	84.7	127.1
192	18.6	16.8	25.2

Manual Integrations

APPROVED

Reviewed By : John Carlone 07/31/2023

Supervised By : Mahesh Dadoda 07/31/2023



#36

1,1-Dichloropropene

Concen: 20.797 ug/l

RT: 7.998 min Scan# 1090

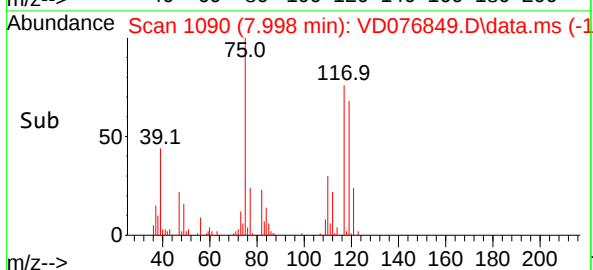
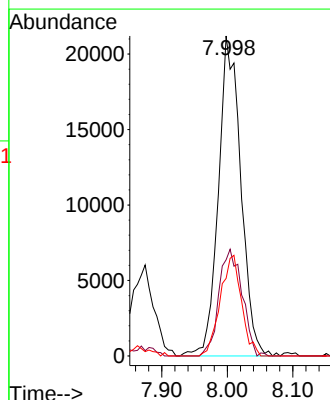
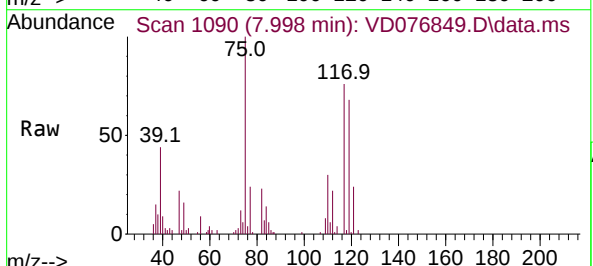
Delta R.T. -0.007 min

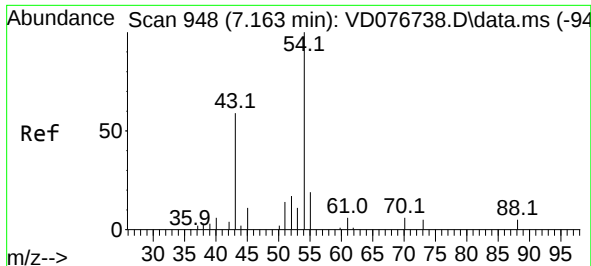
Lab File: VD076849.D

Acq: 28 Jul 2023 12:32

Tgt Ion: 75 Resp: 50329

Ion	Ratio	Lower	Upper
75	100		
110	34.5	19.9	59.6
77	29.7	24.7	37.1





#37

Ethyl Acetate

Concen: 21.612 ug/l

RT: 7.169 min Scan# 948

Delta R.T. 0.006 min

Lab File: VD076849.D

Acq: 28 Jul 2023 12:32

Instrument :

MSVOA_D

ClientSampleId :

VD0728SBS01

Tgt Ion: 43 Resp: 23389

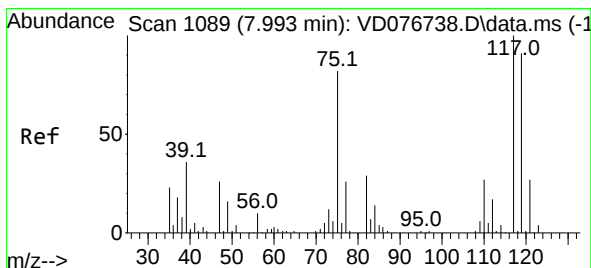
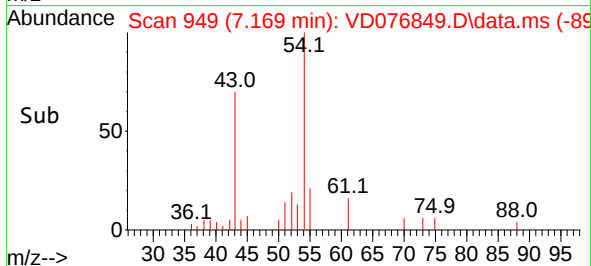
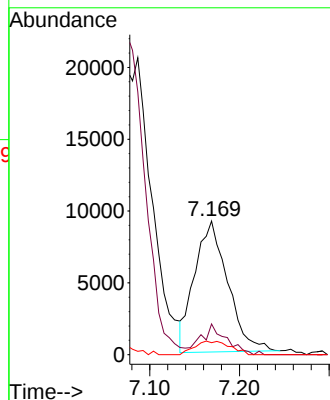
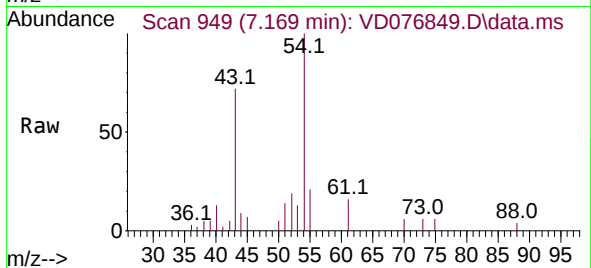
Ion	Ratio	Lower	Upper
43	100		
61	18.0	14.9	22.3
70	11.0	10.0	15.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/31/2023

Supervised By :Mahesh Dadoda 07/31/2023



#38

Carbon Tetrachloride

Concen: 20.733 ug/l

RT: 7.992 min Scan# 1089

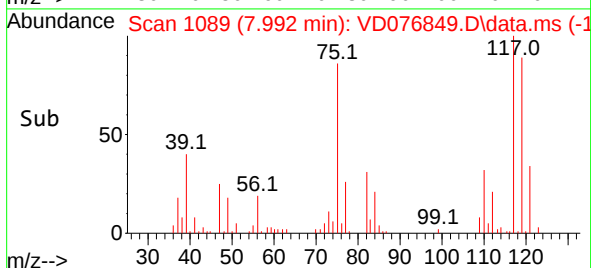
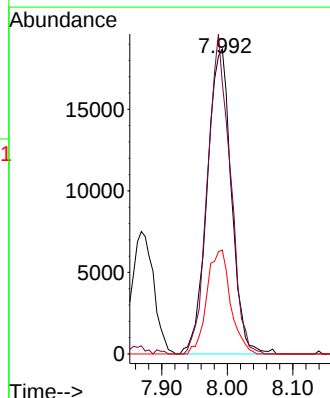
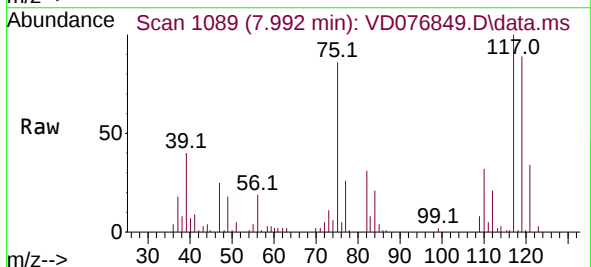
Delta R.T. -0.001 min

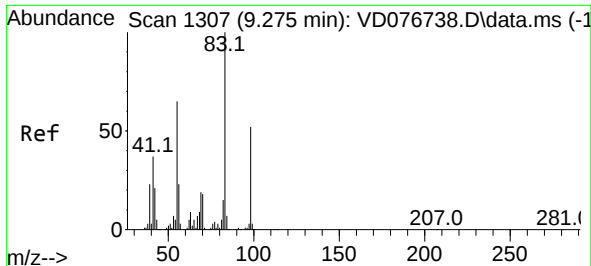
Lab File: VD076849.D

Acq: 28 Jul 2023 12:32

Tgt Ion:117 Resp: 48042

Ion	Ratio	Lower	Upper
117	100		
119	89.0	78.0	117.0
121	34.1	24.2	36.2





#39

Methylcyclohexane

Concen: 18.591 ug/l

RT: 9.269 min Scan# 1130

Delta R.T. -0.006 min

Lab File: VD076849.D

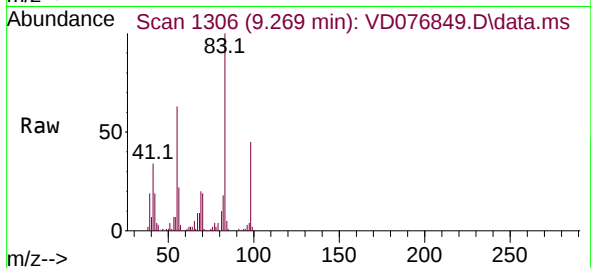
Acq: 28 Jul 2023 12:32

Instrument :

MSVOA_D

ClientSampleId :

VD0728SBS01



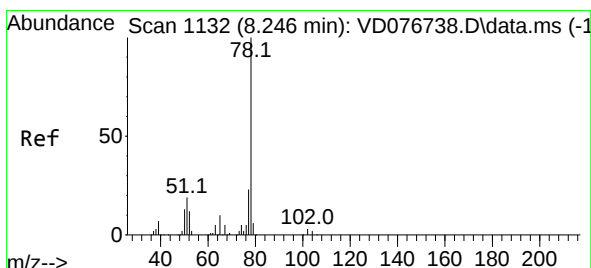
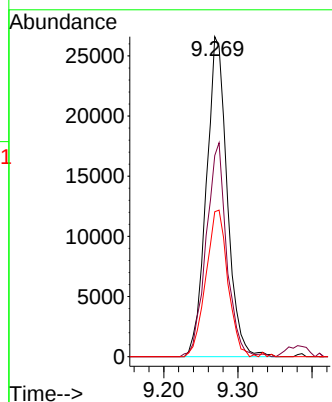
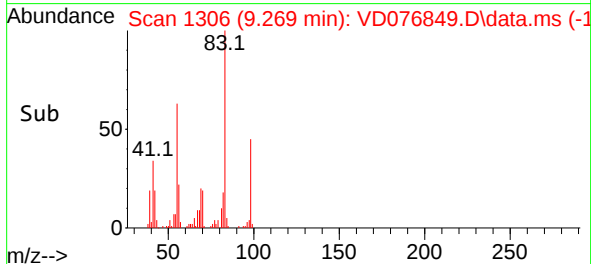
Tgt Ion:	83	Resp:	5194
Ion	Ratio	Lower	Upper
83	100		
55	62.9	49.4	74.0
98	45.3	38.4	57.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/31/2023

Supervised By :Mahesh Dadoda 07/31/2023



#40

Benzene

Concen: 20.508 ug/l

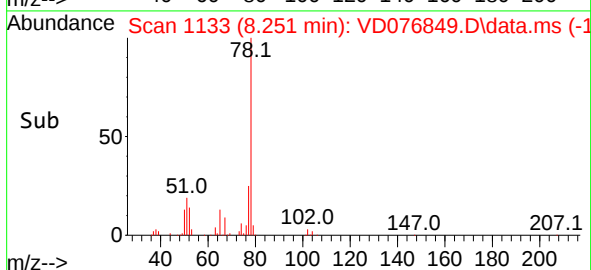
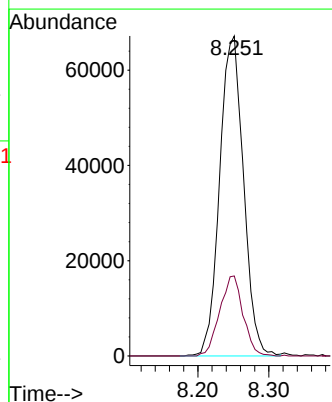
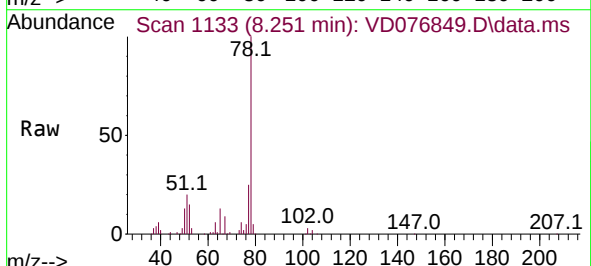
RT: 8.251 min Scan# 1133

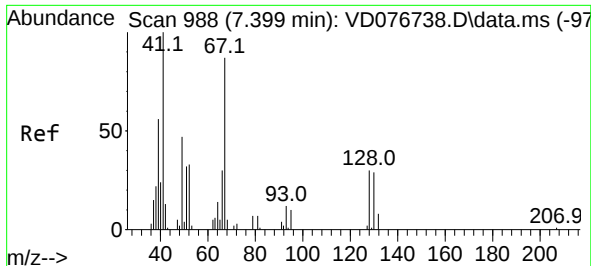
Delta R.T. 0.005 min

Lab File: VD076849.D

Acq: 28 Jul 2023 12:32

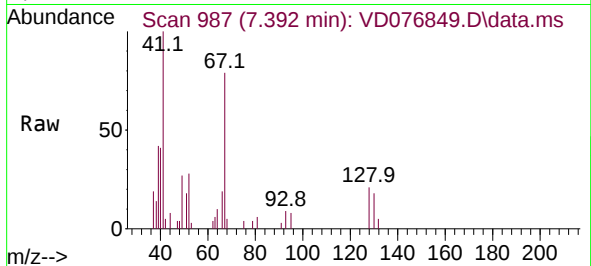
Tgt Ion:	78	Resp:	156587
Ion	Ratio	Lower	Upper
78	100		
77	25.0	19.4	29.0





#41
Methacrylonitrile
Concen: 21.617 ug/l
RT: 7.392 min Scan# 91
Delta R.T. -0.007 min
Lab File: VD076849.D
Acq: 28 Jul 2023 12:32

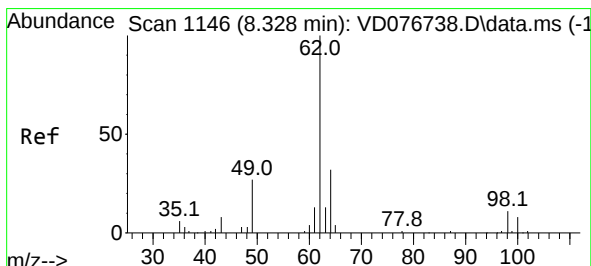
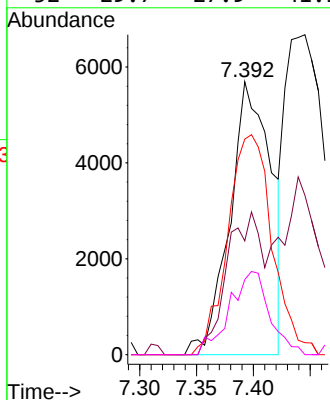
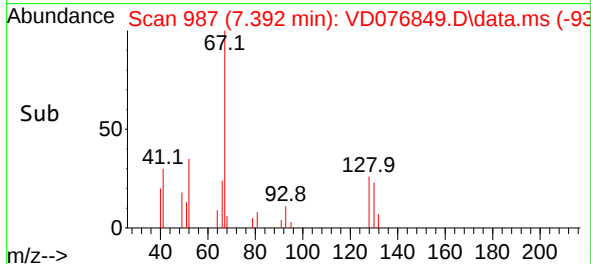
Instrument :
MSVOA_D
ClientSampleId :
VD0728SBSD01



Tgt Ion: 41 Resp: 1428
Ion Ratio Lower Upper
41 100
39 44.7 34.0 51.0
67 87.4 77.0 115.4
52 29.7 27.9 41.9

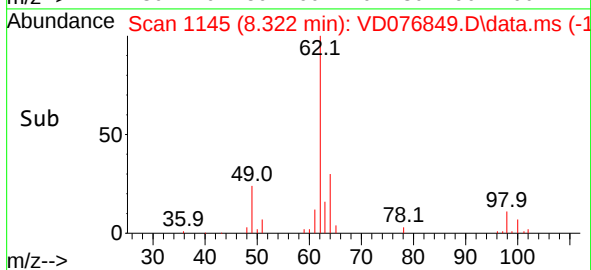
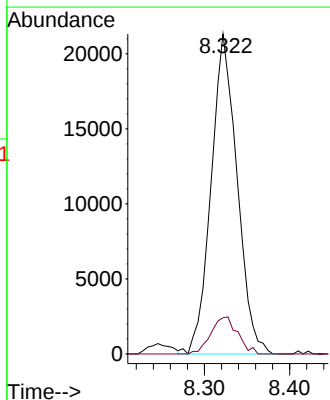
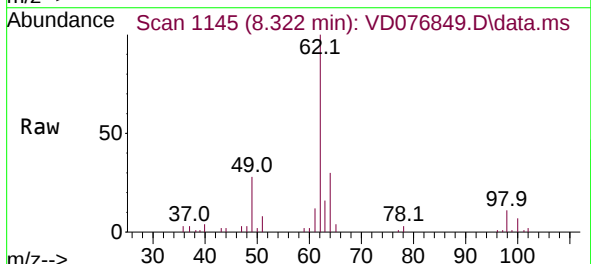
Manual Integrations
APPROVED

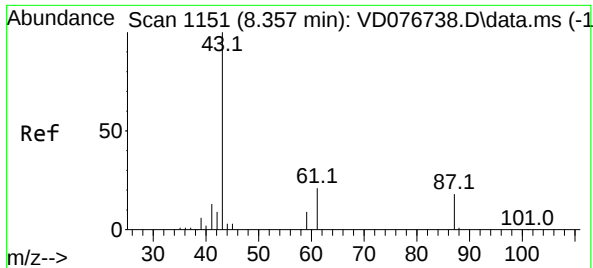
Reviewed By :John Carlone 07/31/2023
Supervised By :Mahesh Dadoda 07/31/2023



#42
1,2-Dichloroethane
Concen: 22.801 ug/l
RT: 8.322 min Scan# 1145
Delta R.T. -0.006 min
Lab File: VD076849.D
Acq: 28 Jul 2023 12:32

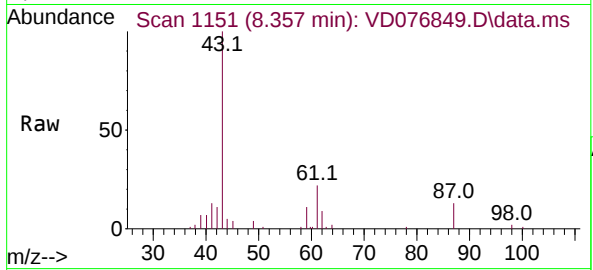
Tgt Ion: 62 Resp: 45237
Ion Ratio Lower Upper
62 100
98 11.9 0.0 25.4





#43
Isopropyl Acetate
Concen: 21.694 ug/l
RT: 8.357 min Scan# 1151
Delta R.T. 0.000 min
Lab File: VD076849.D
Acq: 28 Jul 2023 12:32

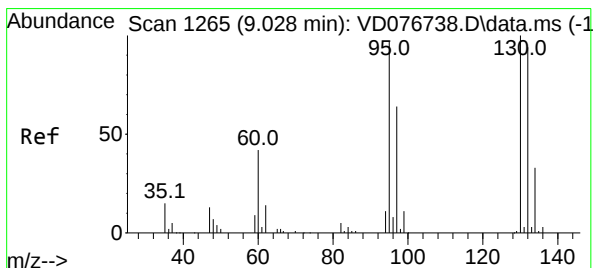
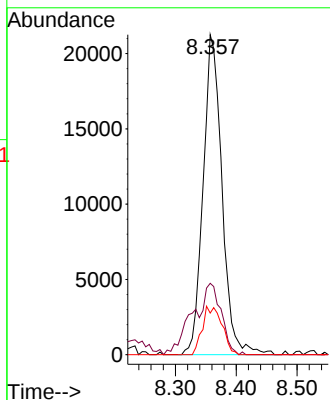
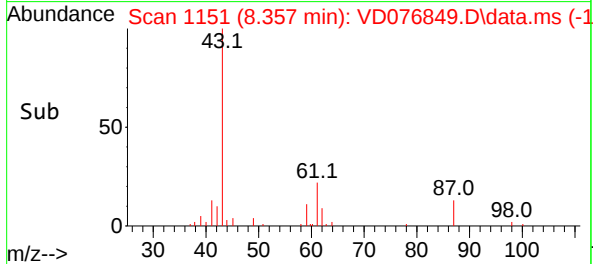
Instrument :
MSVOA_D
ClientSampleId :
VD0728SBS01



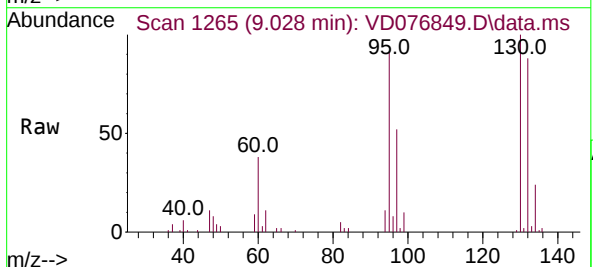
Tgt Ion: 43 Resp: 45819
Ion Ratio Lower Upper
43 100
61 33.3 31.4 47.0
87 15.7 14.9 22.3

Manual Integrations
APPROVED

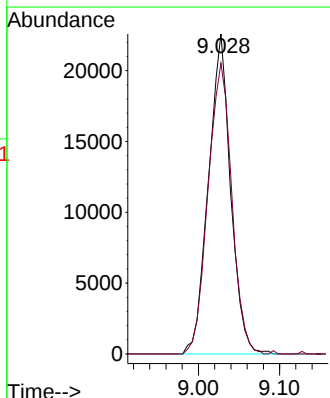
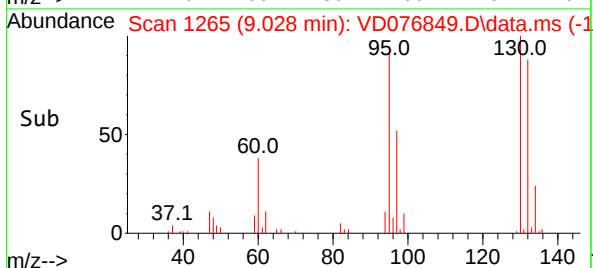
Reviewed By :John Carlone 07/31/2023
Supervised By :Mahesh Dadoda 07/31/2023

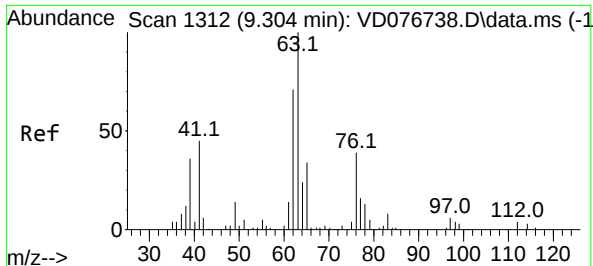


#44
Trichloroethene
Concen: 20.573 ug/l
RT: 9.028 min Scan# 1265
Delta R.T. -0.000 min
Lab File: VD076849.D
Acq: 28 Jul 2023 12:32



Tgt Ion:130 Resp: 42806
Ion Ratio Lower Upper
130 100
95 90.9 0.0 179.2





#45

1,2-Dichloropropane

Concen: 21.591 ug/l

RT: 9.298 min Scan# 1311

Delta R.T. -0.006 min

Lab File: VD076849.D

Acq: 28 Jul 2023 12:32

Instrument :

MSVOA_D

ClientSampleId :

VD0728SBS01

Tgt Ion: 63 Resp: 4255

Ion Ratio Lower Upper

63 100

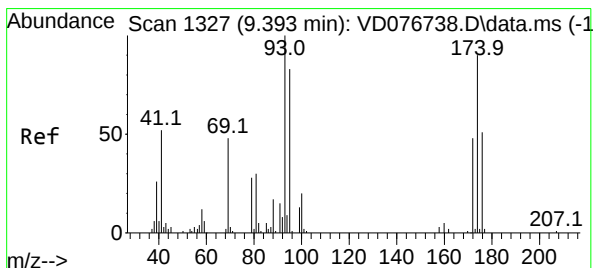
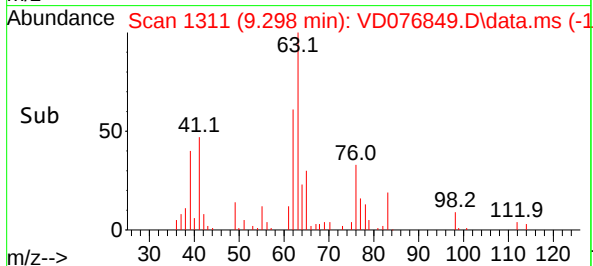
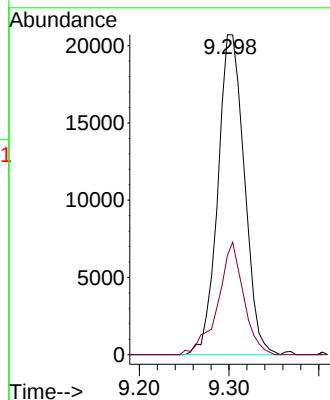
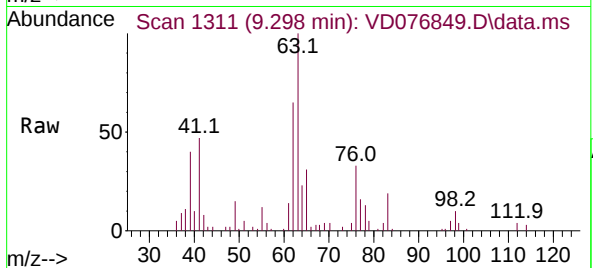
65 31.0 24.5 36.7

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/31/2023

Supervised By :Mahesh Dadoda 07/31/2023



#46

Dibromomethane

Concen: 21.519 ug/l

RT: 9.392 min Scan# 1327

Delta R.T. -0.001 min

Lab File: VD076849.D

Acq: 28 Jul 2023 12:32

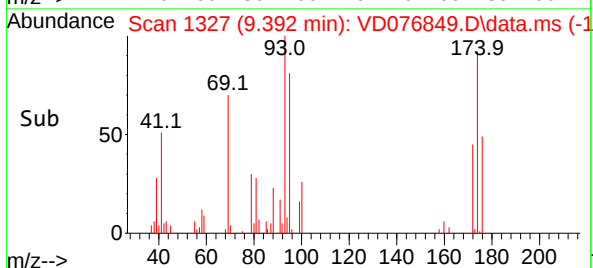
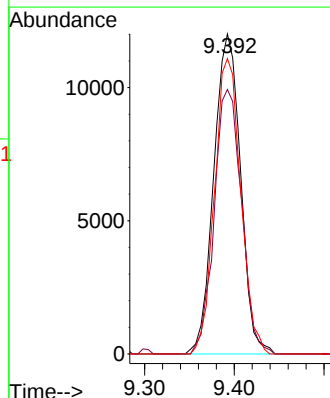
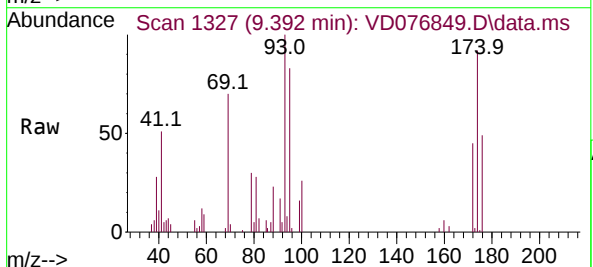
Tgt Ion: 93 Resp: 24827

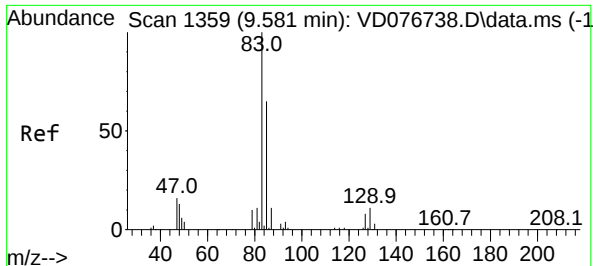
Ion Ratio Lower Upper

93 100

95 84.3 67.7 101.5

174 90.5 85.4 128.2





#47

Bromodichloromethane

Concen: 21.801 ug/l

RT: 9.581 min Scan# 1359

Delta R.T. -0.000 min

Lab File: VD076849.D

Acq: 28 Jul 2023 12:32

Instrument :

MSVOA_D

ClientSampleId :

VD0728SBS01

Tgt Ion: 83 Resp: 63118

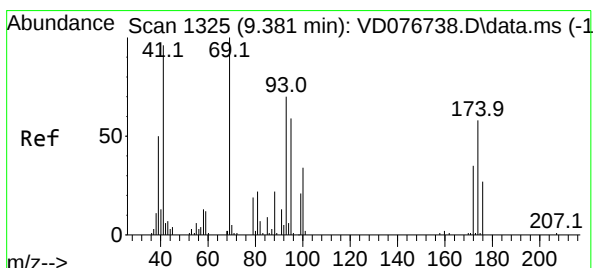
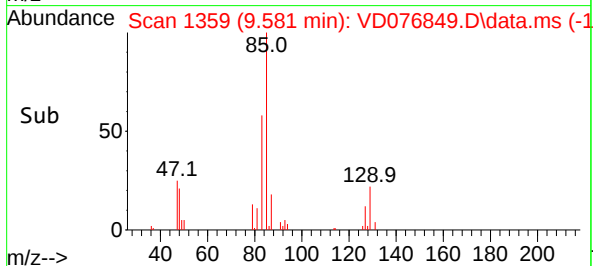
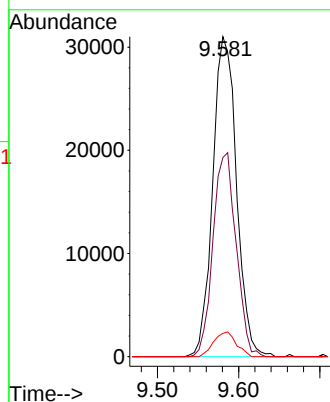
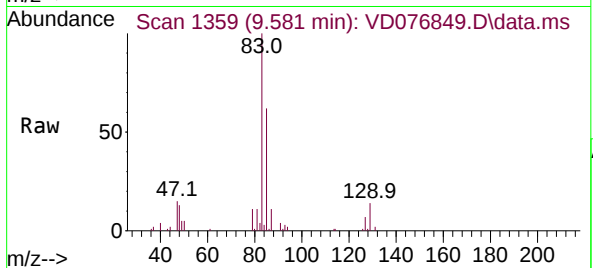
Ion	Ratio	Lower	Upper
83	100		
85	62.3	50.2	75.4
127	7.3	6.3	9.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/31/2023

Supervised By :Mahesh Dadoda 07/31/2023



#48

Methyl methacrylate

Concen: 18.962 ug/l

RT: 9.381 min Scan# 1325

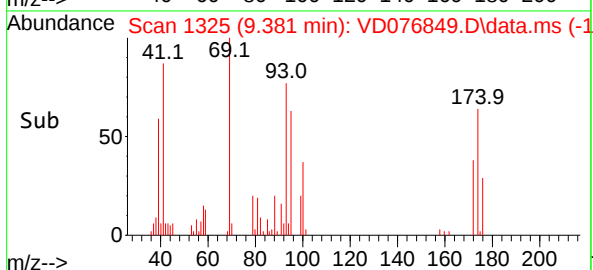
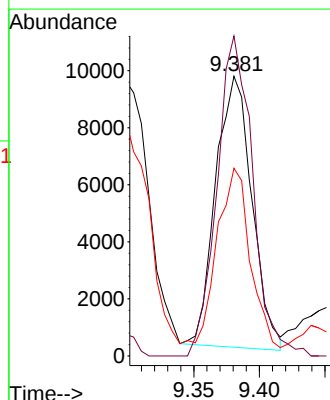
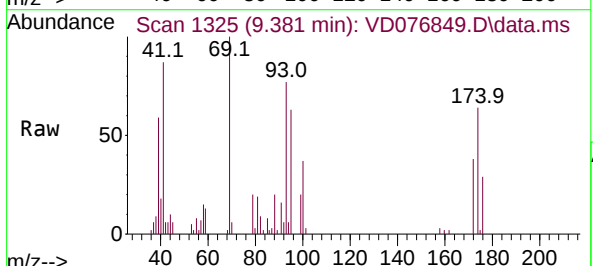
Delta R.T. -0.000 min

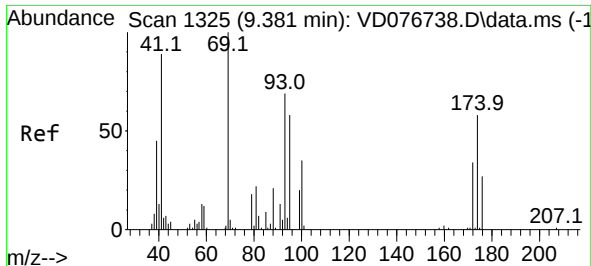
Lab File: VD076849.D

Acq: 28 Jul 2023 12:32

Tgt Ion: 41 Resp: 18228

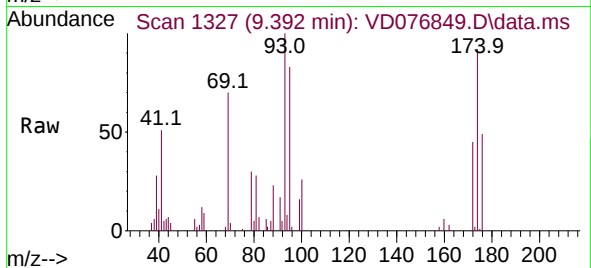
Ion	Ratio	Lower	Upper
41	100		
69	116.6	102.2	153.2
39	65.8	41.4	62.2





#49
1,4-Dioxane
Concen: 416.737 ug/l
RT: 9.392 min Scan# 1327
Delta R.T. 0.011 min
Lab File: VD076849.D
Acq: 28 Jul 2023 12:32

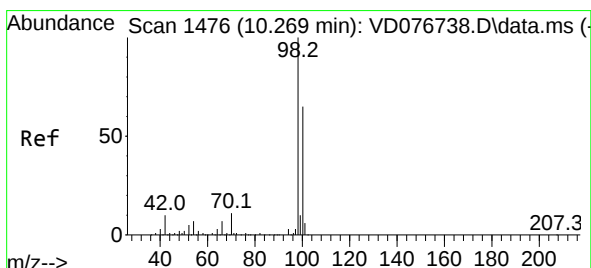
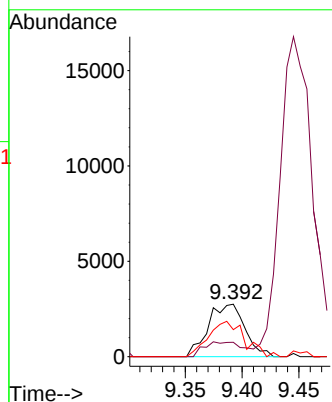
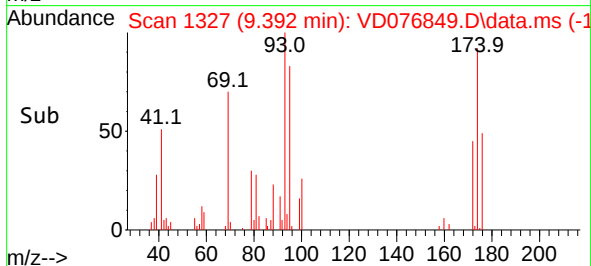
Instrument :
MSVOA_D
ClientSampleId :
VD0728SBSD01



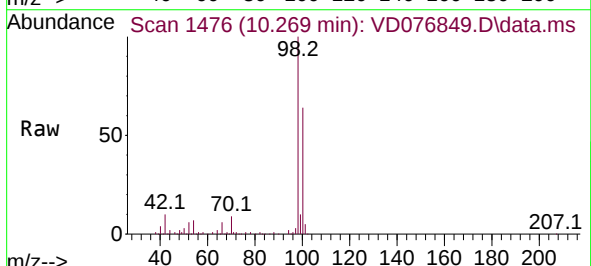
Tgt Ion: 88 Resp: 6160
Ion Ratio Lower Upper
88 100
43 30.6 19.0 28.6
58 66.8 43.5 65.3

Manual Integrations
APPROVED

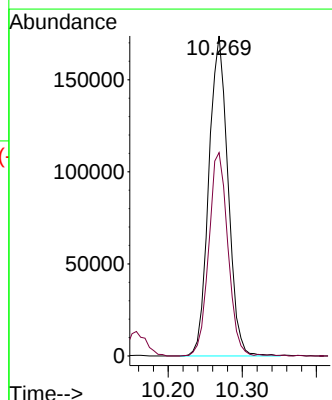
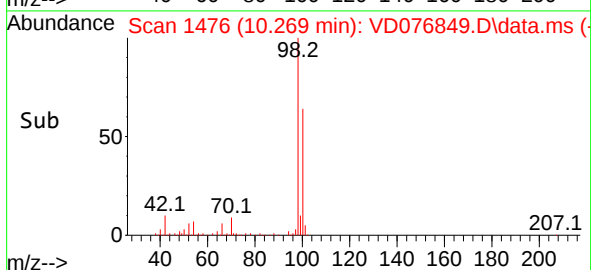
Reviewed By :John Carlone 07/31/2023
Supervised By :Mahesh Dadoda 07/31/2023

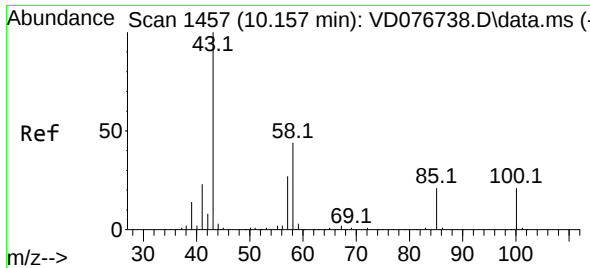


#50
Toluene-d8
Concen: 46.969 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. -0.000 min
Lab File: VD076849.D
Acq: 28 Jul 2023 12:32



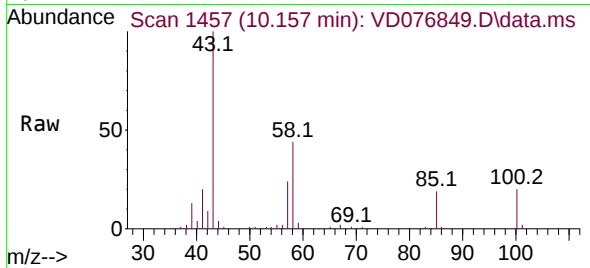
Tgt Ion: 98 Resp: 311174
Ion Ratio Lower Upper
98 100
100 63.7 50.3 75.5





#51
4-Methyl-2-Pentanone
Concen: 109.840 ug/l
RT: 10.157 min Scan# 1457
Delta R.T. -0.000 min
Lab File: VD076849.D
Acq: 28 Jul 2023 12:32

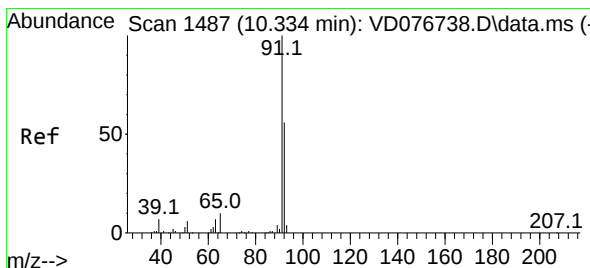
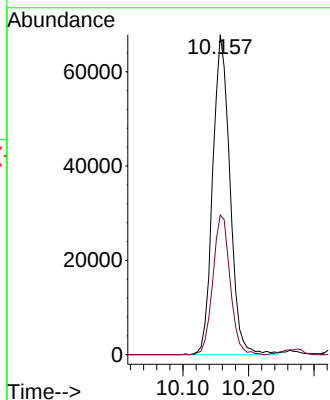
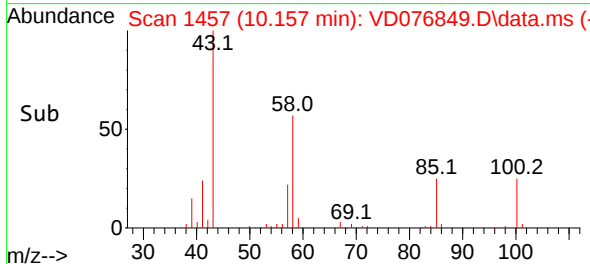
Instrument :
MSVOA_D
ClientSampleId :
VD0728SBSD01



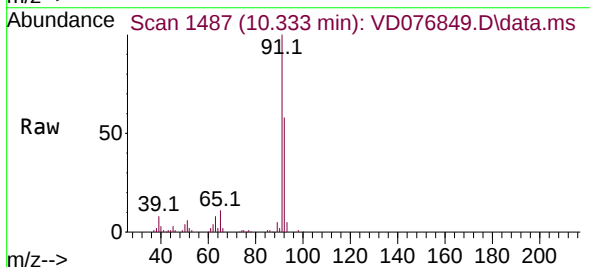
Tgt Ion: 43 Resp: 123520
Ion Ratio Lower Upper
43 100
58 43.7 38.9 58.3

Manual Integrations
APPROVED

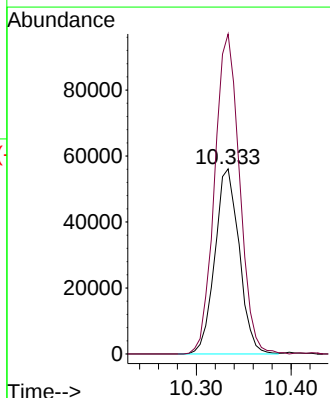
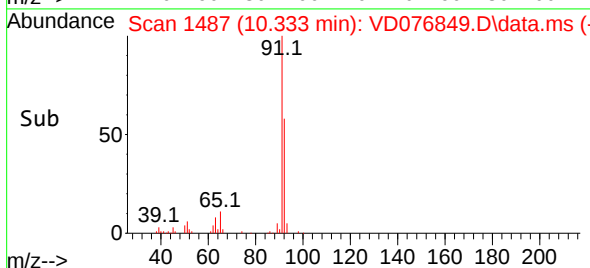
Reviewed By :John Carlone 07/31/2023
Supervised By :Mahesh Dadoda 07/31/2023



#52
Toluene
Concen: 19.968 ug/l
RT: 10.333 min Scan# 1487
Delta R.T. -0.001 min
Lab File: VD076849.D
Acq: 28 Jul 2023 12:32



Tgt Ion: 92 Resp: 100137
Ion Ratio Lower Upper
92 100
91 177.4 143.0 214.4





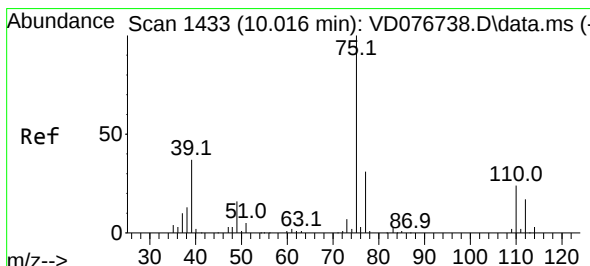
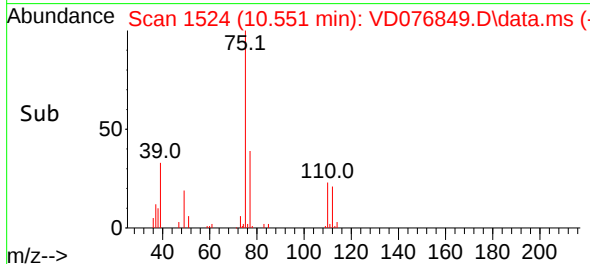
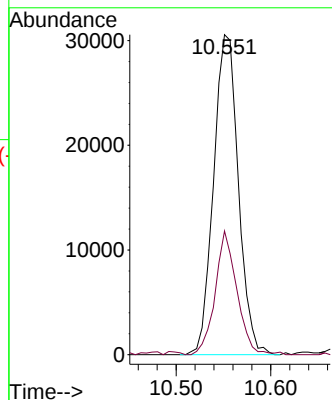
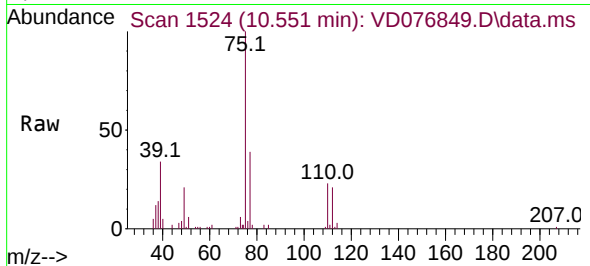
#53
t-1,3-Dichloropropene
Concen: 20.664 ug/l
RT: 10.551 min Scan# 11
Delta R.T. 0.000 min
Lab File: VD076849.D
Acq: 28 Jul 2023 12:32

Instrument :
MSVOA_D
ClientSampleId :
VD0728SBSD01

Tgt Ion: 75 Resp: 5553
Ion Ratio Lower Upper
75 100
77 38.0 25.3 37.9

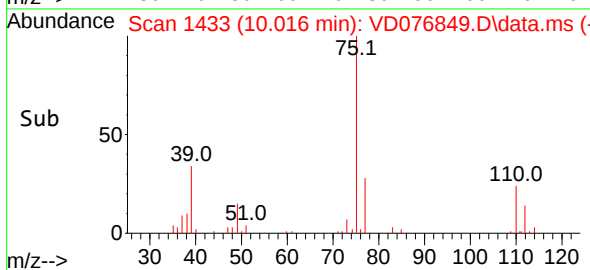
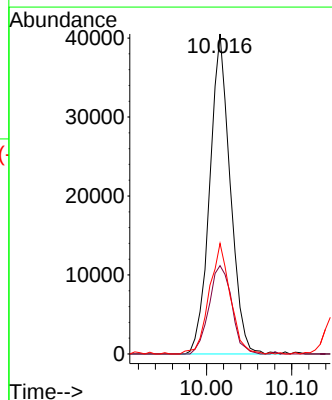
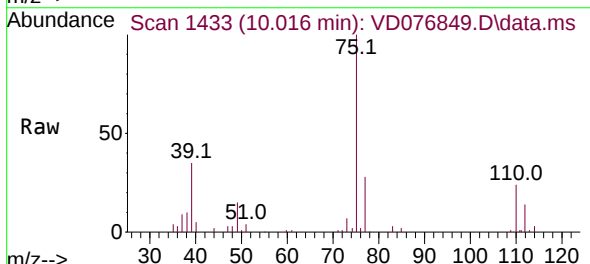
Manual Integrations
APPROVED

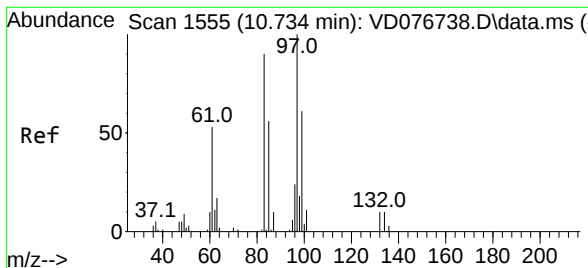
Reviewed By :John Carlone 07/31/2023
Supervised By :Mahesh Dadoda 07/31/2023



#54
cis-1,3-Dichloropropene
Concen: 21.346 ug/l
RT: 10.016 min Scan# 1433
Delta R.T. -0.000 min
Lab File: VD076849.D
Acq: 28 Jul 2023 12:32

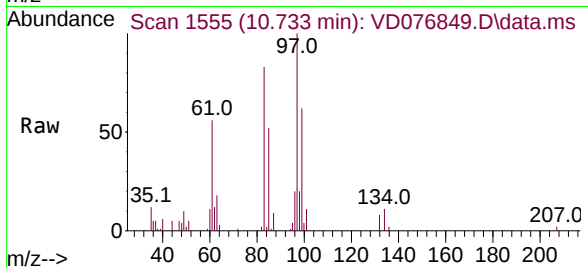
Tgt Ion: 75 Resp: 67606
Ion Ratio Lower Upper
75 100
77 27.6 25.5 38.3
39 34.5 22.1 33.1#





#55
1,1,2-Trichloroethane
Concen: 21.239 ug/l
RT: 10.733 min Scan# 1555
Delta R.T. -0.001 min
Lab File: VD076849.D
Acq: 28 Jul 2023 12:32

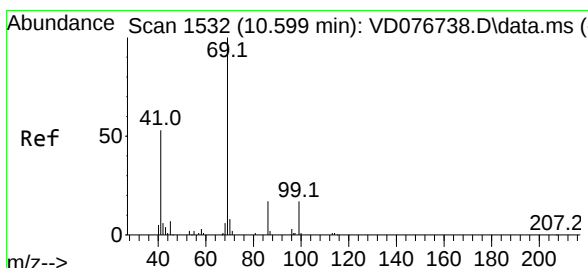
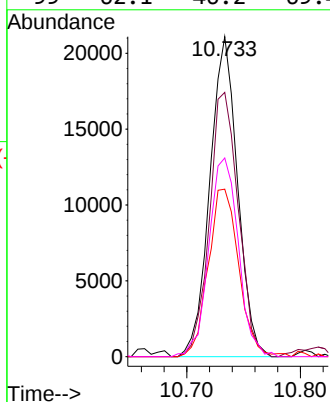
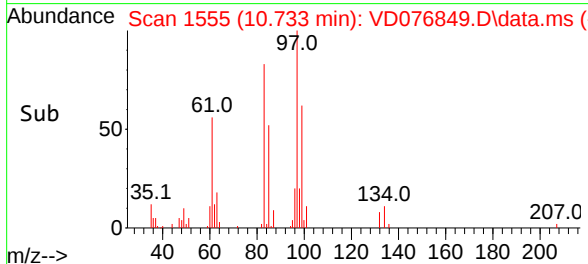
Instrument :
MSVOA_D
ClientSampleId :
VD0728SBSD01



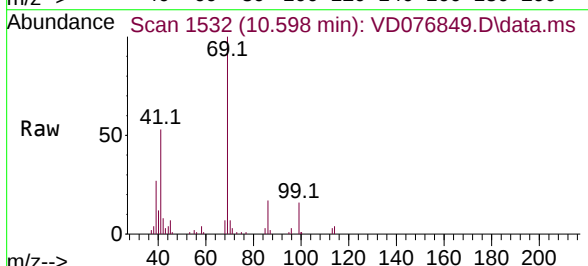
Tgt Ion:	97	Resp:	3578
Ion	Ratio	Lower	Upper
97	100		
83	82.6	65.8	98.6
85	52.3	45.7	68.5
99	62.1	46.2	69.4

Manual Integrations
APPROVED

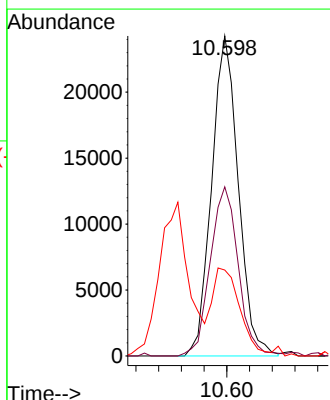
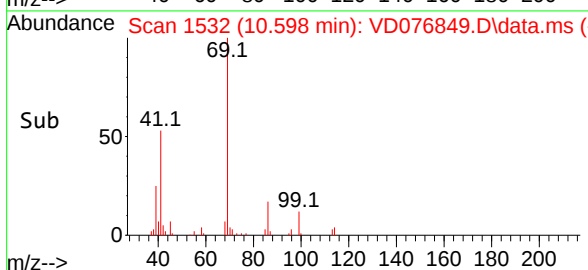
Reviewed By :John Carlone 07/31/2023
Supervised By :Mahesh Dadoda 07/31/2023

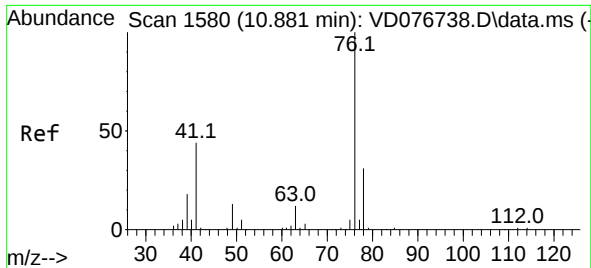


#56
Ethyl methacrylate
Concen: 20.338 ug/l
RT: 10.598 min Scan# 1532
Delta R.T. -0.001 min
Lab File: VD076849.D
Acq: 28 Jul 2023 12:32



Tgt Ion:	69	Resp:	39548
Ion	Ratio	Lower	Upper
69	100		
41	55.6	39.1	58.7
39	26.7	20.0	30.0





#57

1,3-Dichloropropane

Concen: 21.127 ug/l

RT: 10.875 min Scan# 1579

Delta R.T. -0.006 min

Lab File: VD076849.D

Acq: 28 Jul 2023 12:32

Instrument :

MSVOA_D

ClientSampleId :

VD0728SBS01

Tgt Ion: 76 Resp: 57964

Ion Ratio Lower Upper

76 100

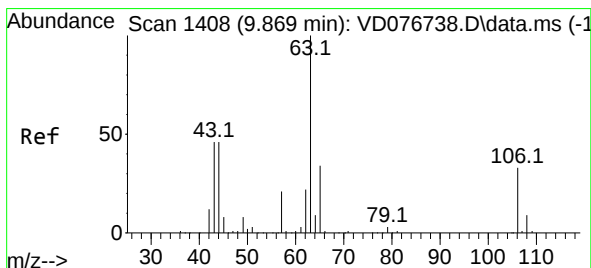
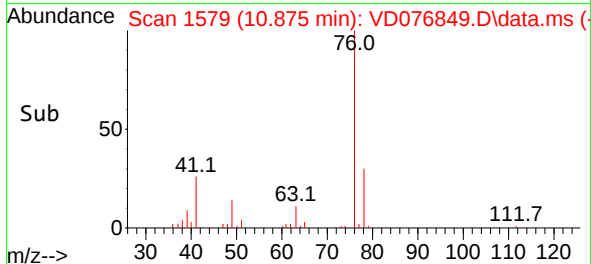
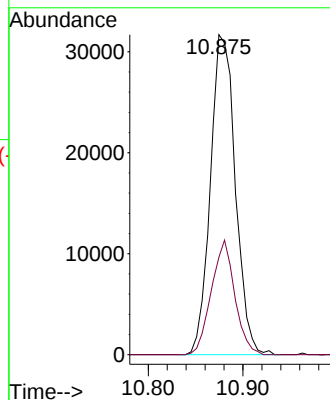
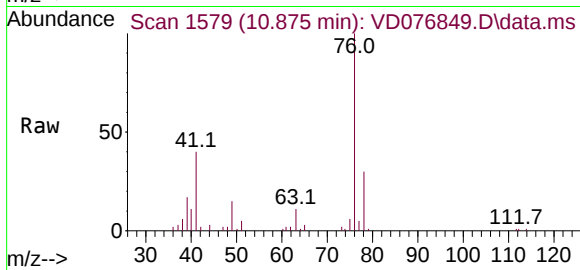
78 33.6 26.4 39.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/31/2023

Supervised By :Mahesh Dadoda 07/31/2023



#58

2-Chloroethyl Vinyl ether

Concen: 118.898 ug/l

RT: 9.869 min Scan# 1408

Delta R.T. -0.000 min

Lab File: VD076849.D

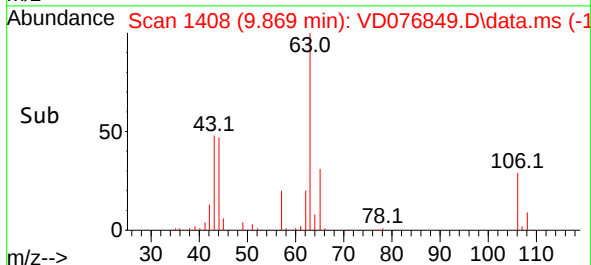
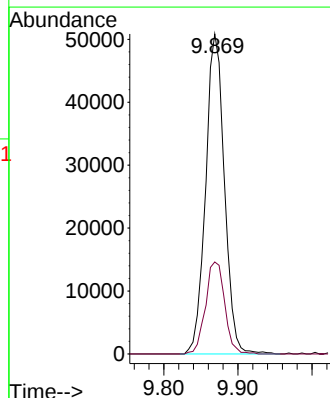
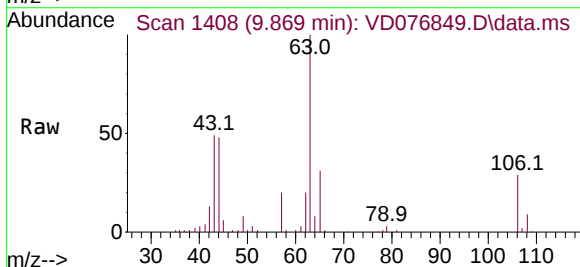
Acq: 28 Jul 2023 12:32

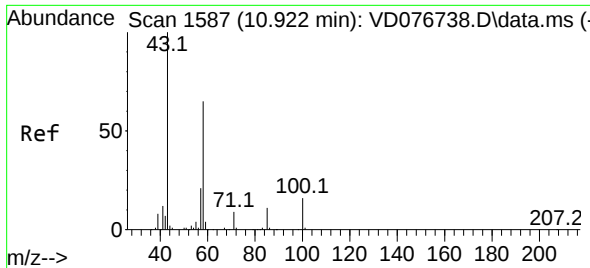
Tgt Ion: 63 Resp: 89491

Ion Ratio Lower Upper

63 100

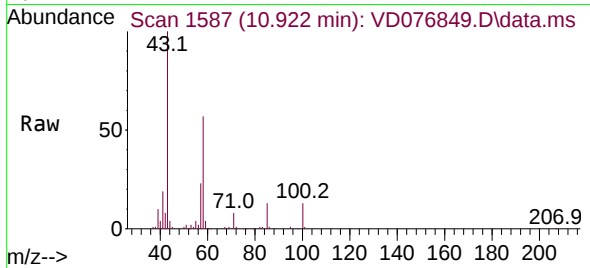
106 29.4 25.3 37.9





#59
2-Hexanone
Concen: 110.202 ug/l
RT: 10.922 min Scan# 1102
Delta R.T. -0.000 min
Lab File: VD076849.D
Acq: 28 Jul 2023 12:32

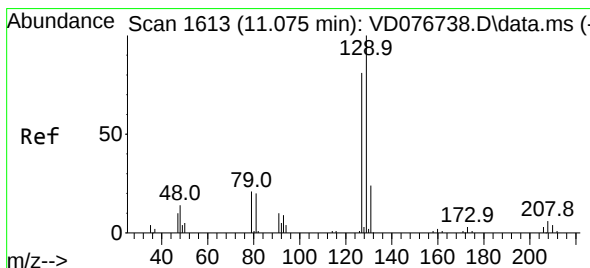
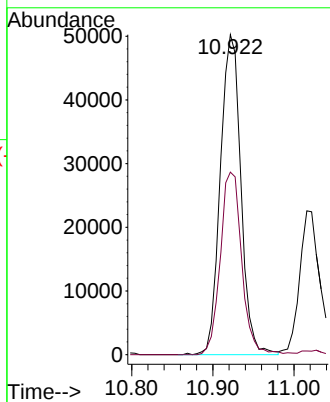
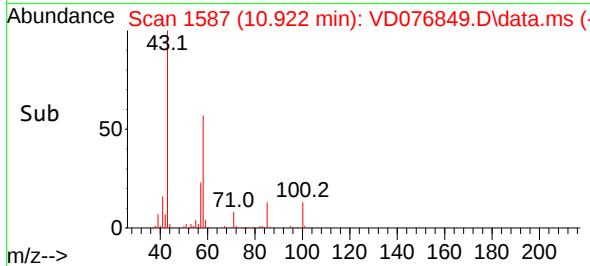
Instrument :
MSVOA_D
ClientSampleId :
VD0728SBSD01



Tgt Ion: 43 Resp: 8842
Ion Ratio Lower Upper
43 100
58 59.7 34.1 102.2

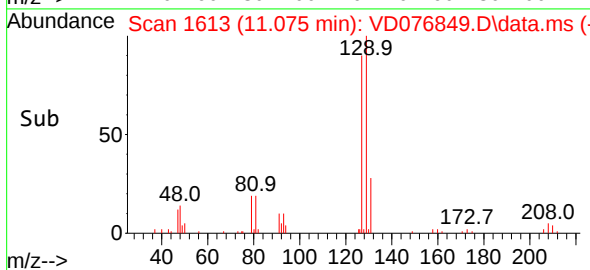
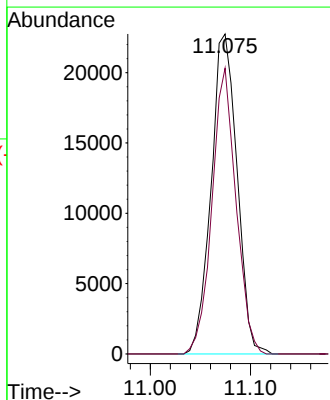
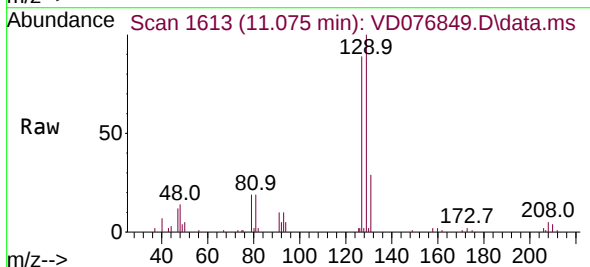
Manual Integrations
APPROVED

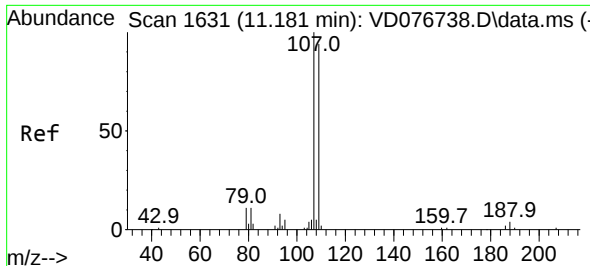
Reviewed By :John Carlone 07/31/2023
Supervised By :Mahesh Dadoda 07/31/2023



#60
Dibromochloromethane
Concen: 20.917 ug/l
RT: 11.075 min Scan# 1613
Delta R.T. -0.000 min
Lab File: VD076849.D
Acq: 28 Jul 2023 12:32

Tgt Ion:129 Resp: 40937
Ion Ratio Lower Upper
129 100
127 82.8 37.1 111.5





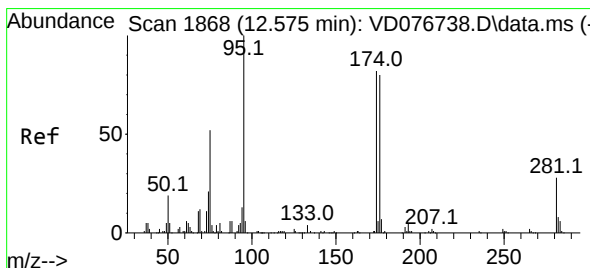
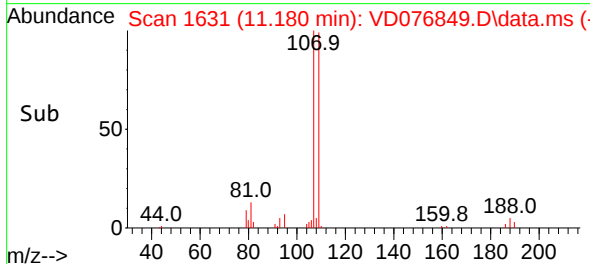
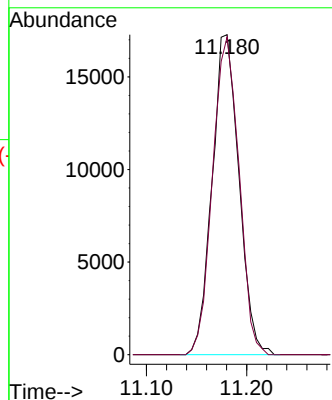
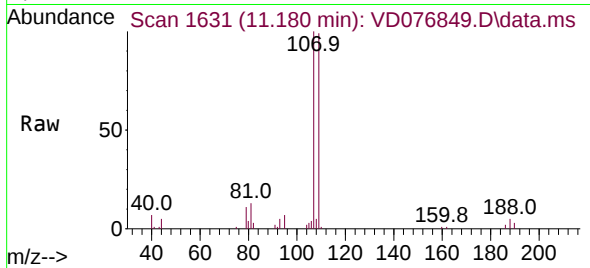
#61
1,2-Dibromoethane
Concen: 20.541 ug/l
RT: 11.180 min Scan# 1631
Delta R.T. -0.001 min
Lab File: VD076849.D
Acq: 28 Jul 2023 12:32

Instrument :
MSVOA_D
ClientSampleId :
VD0728SBS01

Tgt Ion:107 Resp: 3208
Ion Ratio Lower Upper
107 100
109 98.0 75.6 113.4

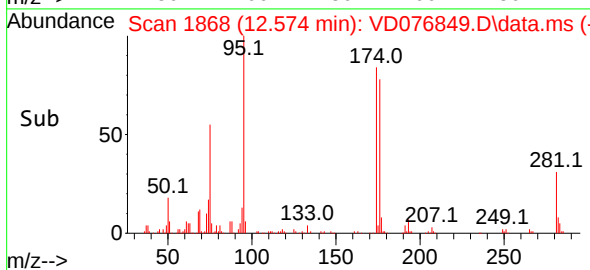
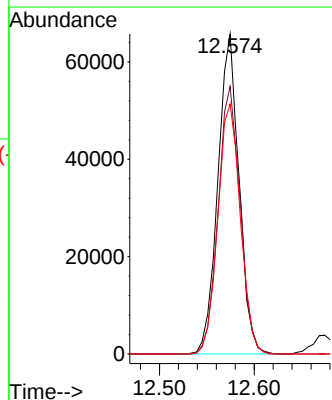
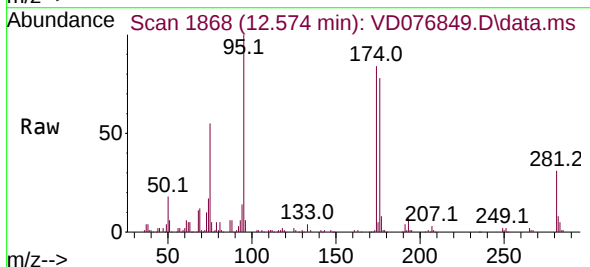
Manual Integrations
APPROVED

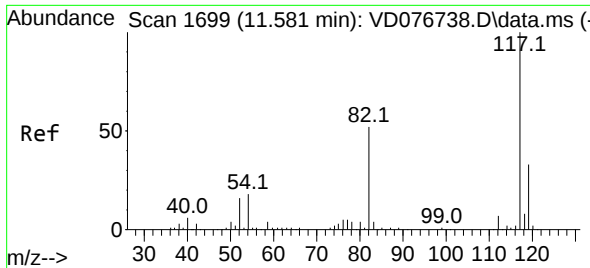
Reviewed By :John Carlone 07/31/2023
Supervised By :Mahesh Dadoda 07/31/2023



#62
4-Bromofluorobenzene
Concen: 47.583 ug/l
RT: 12.574 min Scan# 1868
Delta R.T. -0.001 min
Lab File: VD076849.D
Acq: 28 Jul 2023 12:32

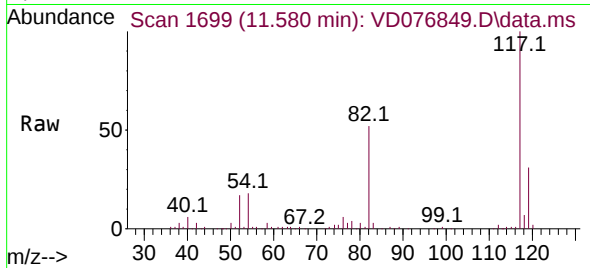
Tgt Ion: 95 Resp: 101981
Ion Ratio Lower Upper
95 100
174 86.8 0.0 201.8
176 83.0 0.0 191.8





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.580 min Scan# 1699
Delta R.T. -0.000 min
Lab File: VD076849.D
Acq: 28 Jul 2023 12:32

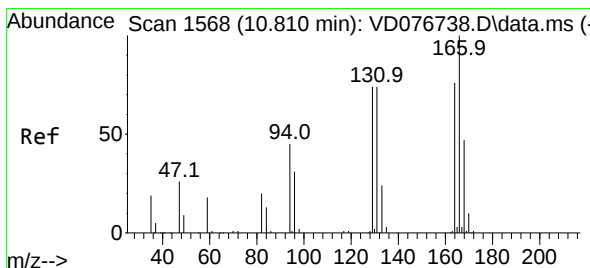
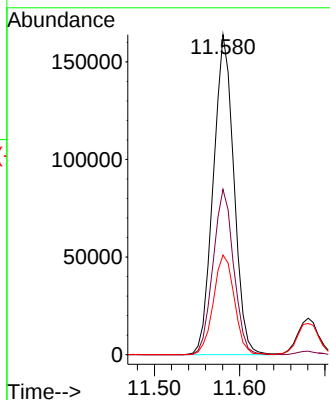
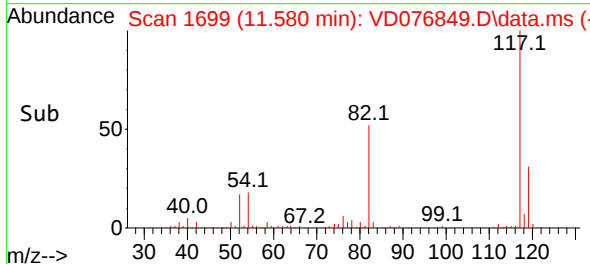
Instrument :
MSVOA_D
ClientSampleId :
VD0728SBS01



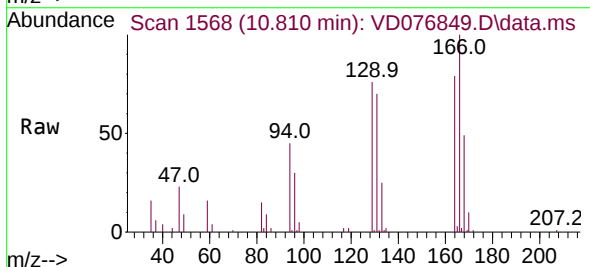
Tgt Ion:117 Resp: 27519
Ion Ratio Lower Upper
117 100
82 51.6 38.3 57.5
119 31.1 25.0 37.4

Manual Integrations
APPROVED

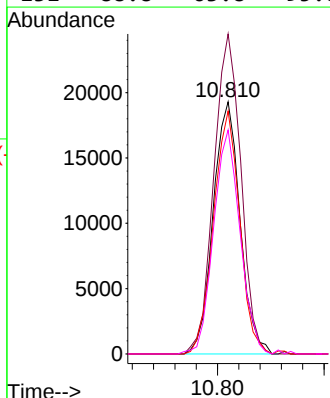
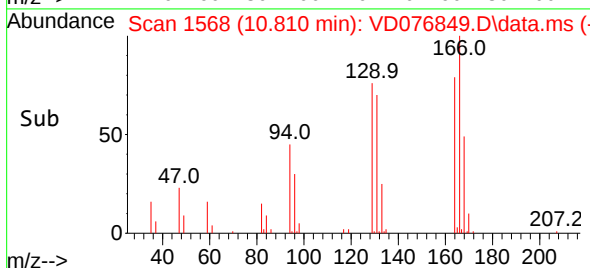
Reviewed By :John Carlone 07/31/2023
Supervised By :Mahesh Dadoda 07/31/2023

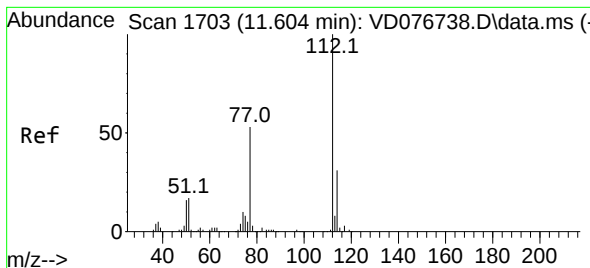


#64
Tetrachloroethene
Concen: 21.492 ug/l
RT: 10.810 min Scan# 1568
Delta R.T. -0.000 min
Lab File: VD076849.D
Acq: 28 Jul 2023 12:32



Tgt Ion:164 Resp: 33725
Ion Ratio Lower Upper
164 100
166 126.9 99.2 148.8
129 96.3 68.4 102.6
131 88.8 63.8 95.8





#65

Chlorobenzene

Concen: 21.006 ug/l

RT: 11.604 min Scan# 1703

Delta R.T. -0.000 min

Lab File: VD076849.D

Acq: 28 Jul 2023 12:32

Instrument :

MSVOA_D

ClientSampleId :

VD0728SBS01

Tgt Ion:112 Resp: 116259

Ion Ratio Lower Upper

112 100

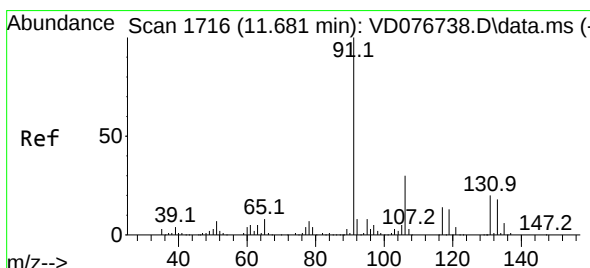
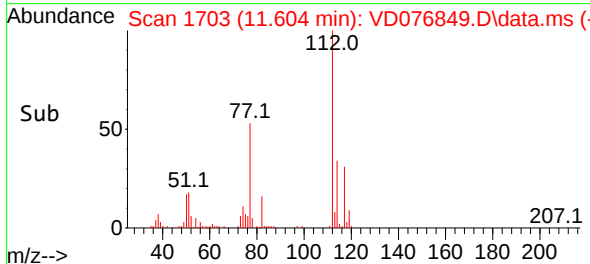
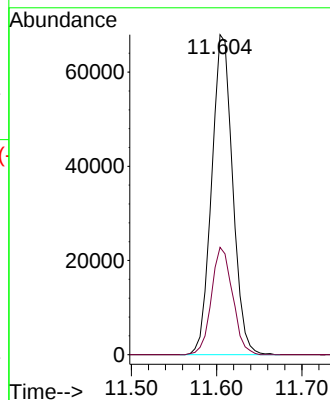
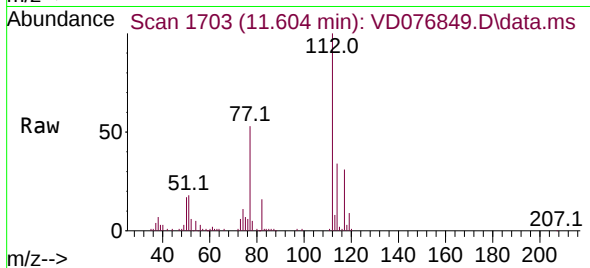
114 33.6 25.1 37.7

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/31/2023

Supervised By :Mahesh Dadoda 07/31/2023



#66

1,1,1,2-Tetrachloroethane

Concen: 21.516 ug/l

RT: 11.680 min Scan# 1716

Delta R.T. -0.001 min

Lab File: VD076849.D

Acq: 28 Jul 2023 12:32

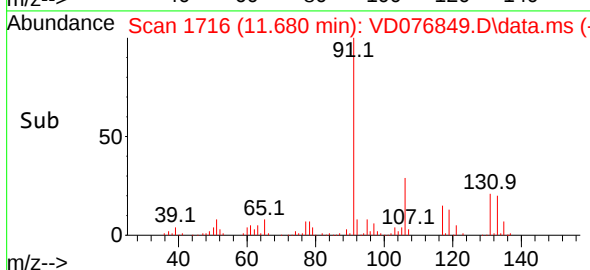
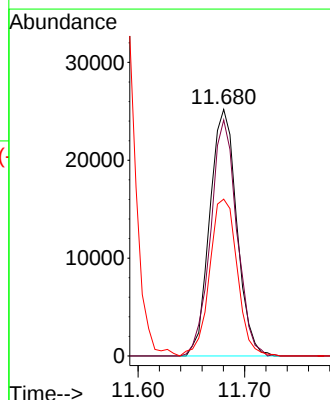
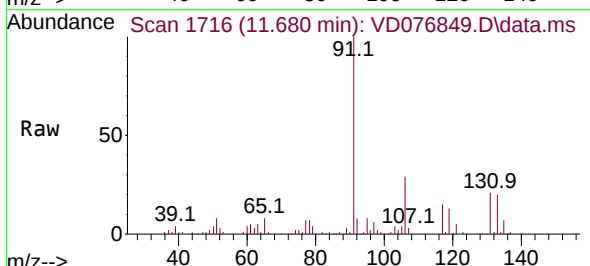
Tgt Ion:131 Resp: 44335

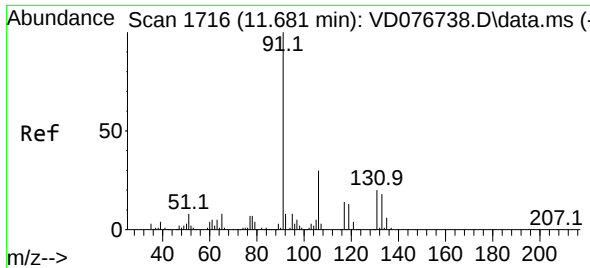
Ion Ratio Lower Upper

131 100

133 93.2 48.5 145.5

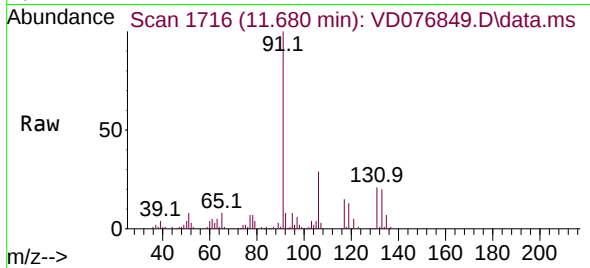
119 65.0 35.6 106.9





#67
Ethyl Benzene
Concen: 20.183 ug/l
RT: 11.680 min Scan# 1716
Delta R.T. -0.001 min
Lab File: VD076849.D
Acq: 28 Jul 2023 12:32

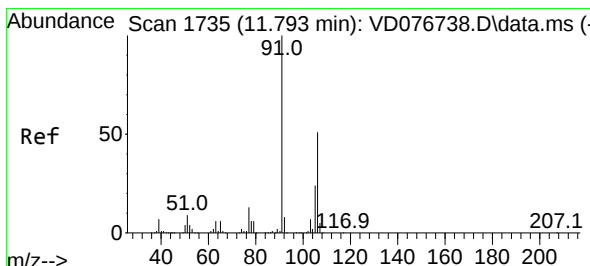
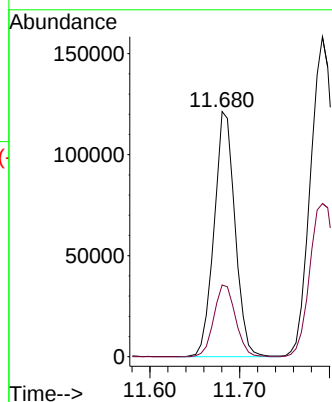
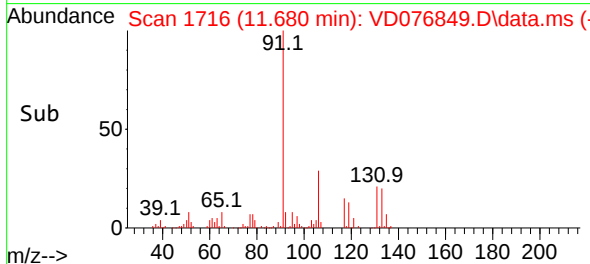
Instrument :
MSVOA_D
ClientSampleId :
VD0728SBS01



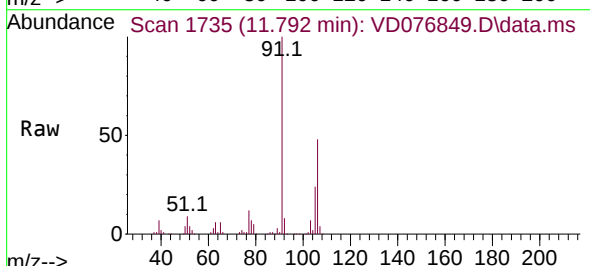
Tgt Ion: 91 Resp: 19618
Ion Ratio Lower Upper
91 100
106 29.3 26.5 39.7

Manual Integrations
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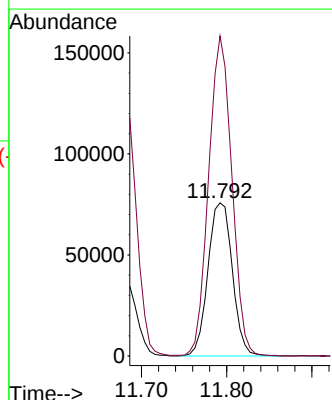
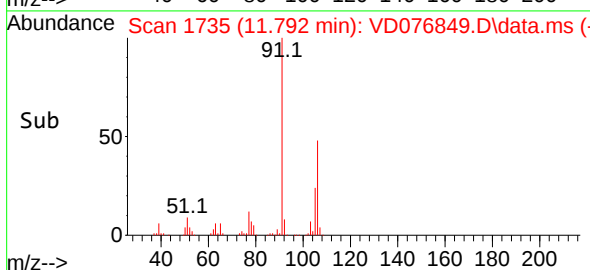
Reviewed By :John Carlone 07/31/2023
Supervised By :Mahesh Dadoda 07/31/2023

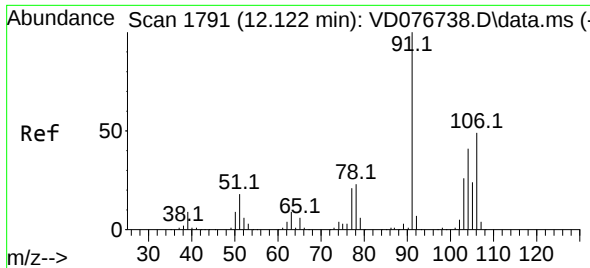


#68
m/p-Xylenes
Concen: 40.308 ug/l
RT: 11.792 min Scan# 1735
Delta R.T. -0.001 min
Lab File: VD076849.D
Acq: 28 Jul 2023 12:32



Tgt Ion:106 Resp: 150471
Ion Ratio Lower Upper
106 100
91 199.2 147.0 220.6





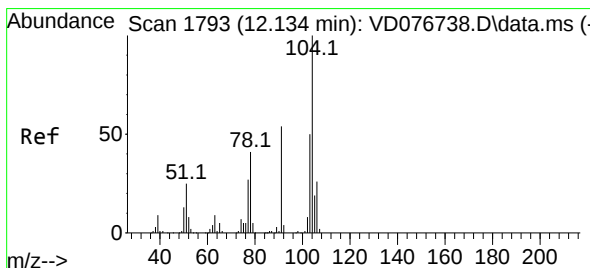
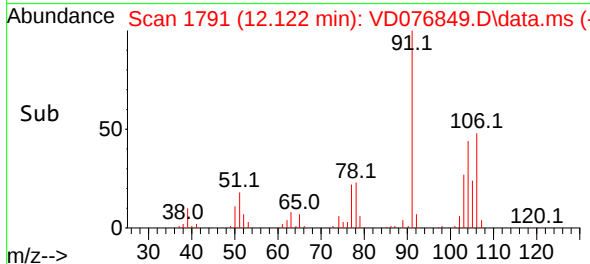
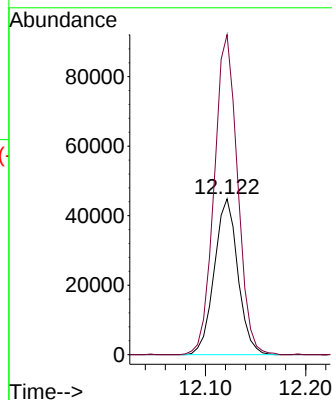
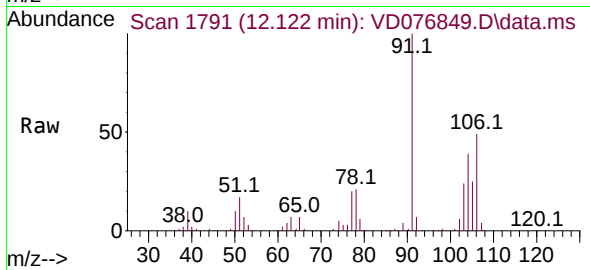
#69
o-Xylene
Concen: 20.307 ug/l
RT: 12.122 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VD076849.D
Acq: 28 Jul 2023 12:32

Instrument :
MSVOA_D
ClientSampleId :
VD0728SBSD01

Tgt Ion:106 Resp: 7330
Ion Ratio Lower Upper
106 100
91 203.6 97.9 293.6

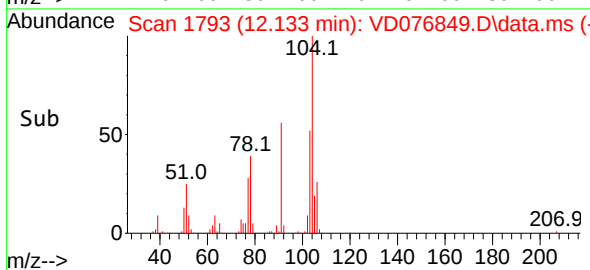
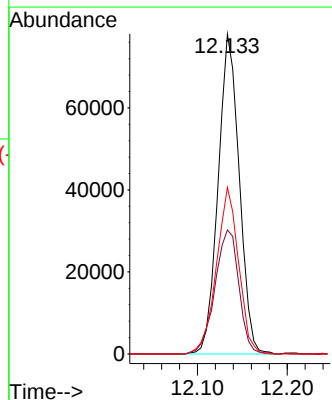
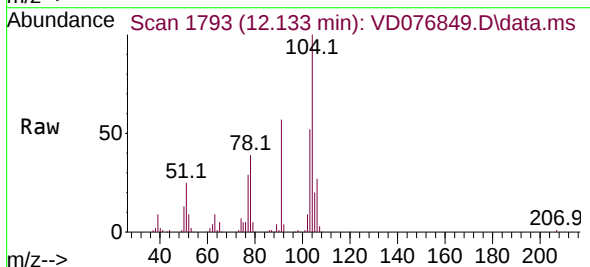
Manual Integrations
APPROVED

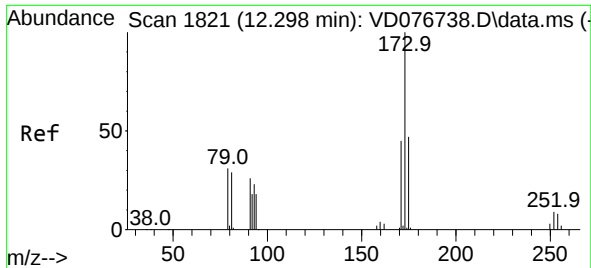
Reviewed By :John Carlone 07/31/2023
Supervised By :Mahesh Dadoda 07/31/2023



#70
Styrene
Concen: 20.169 ug/l
RT: 12.133 min Scan# 1793
Delta R.T. -0.001 min
Lab File: VD076849.D
Acq: 28 Jul 2023 12:32

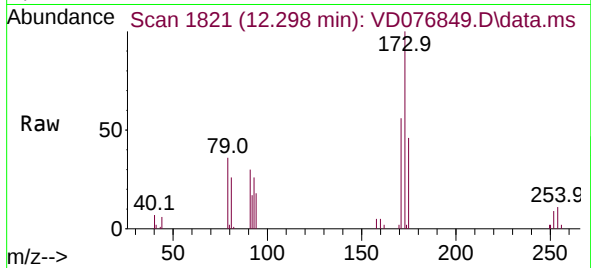
Tgt Ion:104 Resp: 127454
Ion Ratio Lower Upper
104 100
78 43.8 33.2 49.8
103 54.6 43.6 65.4





#71
Bromoform
Concen: 21.733 ug/l
RT: 12.298 min Scan# 1821
Delta R.T. 0.000 min
Lab File: VD076849.D
Acq: 28 Jul 2023 12:32

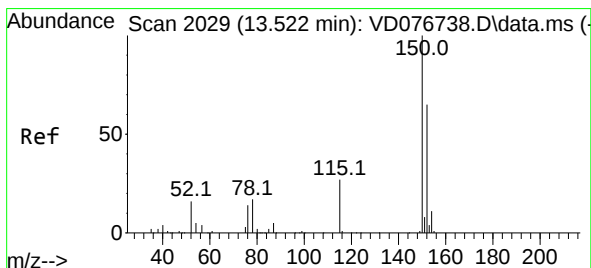
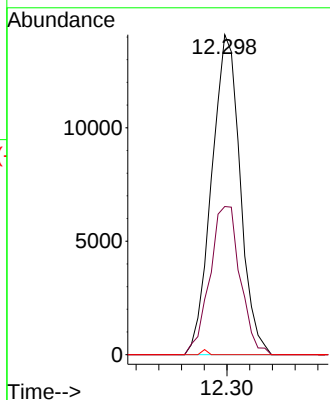
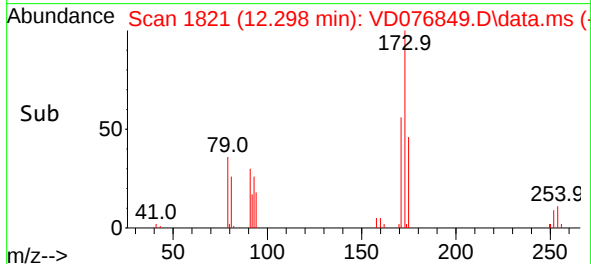
Instrument :
MSVOA_D
ClientSampleId :
VD0728SBSD01



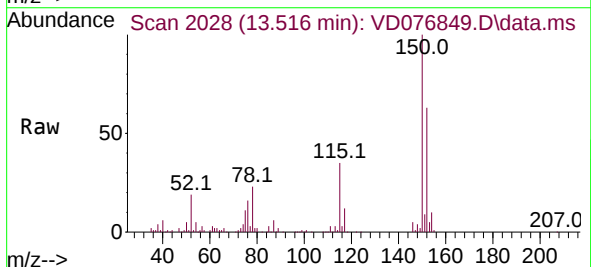
Tgt Ion:173 Resp: 2452
Ion Ratio Lower Upper
173 100
175 49.4 24.6 73.8
254 0.3 0.0 0.0

Manual Integrations
APPROVED

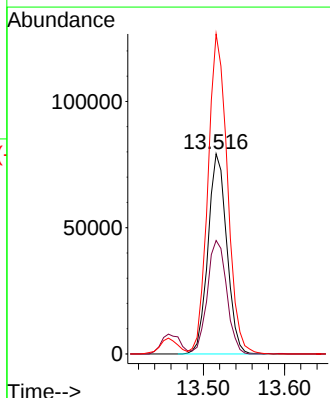
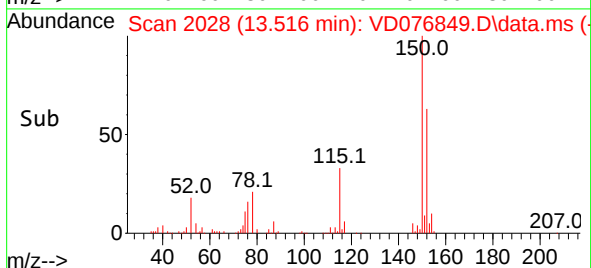
Reviewed By :John Carlone 07/31/2023
Supervised By :Mahesh Dadoda 07/31/2023

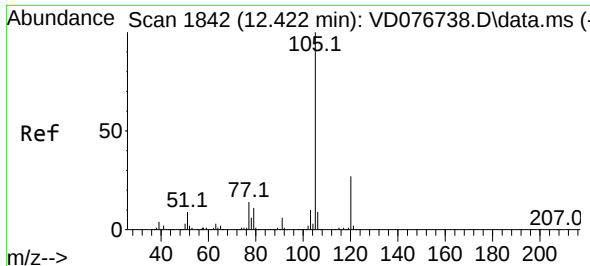


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.516 min Scan# 2028
Delta R.T. -0.006 min
Lab File: VD076849.D
Acq: 28 Jul 2023 12:32



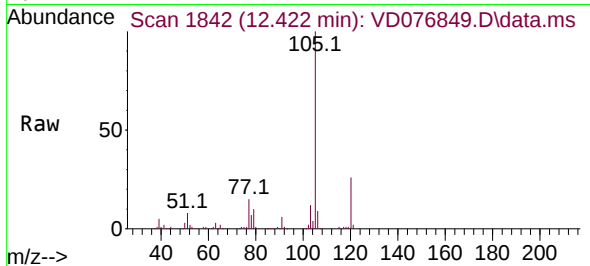
Tgt Ion:152 Resp: 127332
Ion Ratio Lower Upper
152 100
115 58.4 27.1 81.3
150 165.5 0.0 353.6





#73
Isopropylbenzene
Concen: 20.956 ug/l
RT: 12.422 min Scan# 1842
Delta R.T. -0.000 min
Lab File: VD076849.D
Acq: 28 Jul 2023 12:32

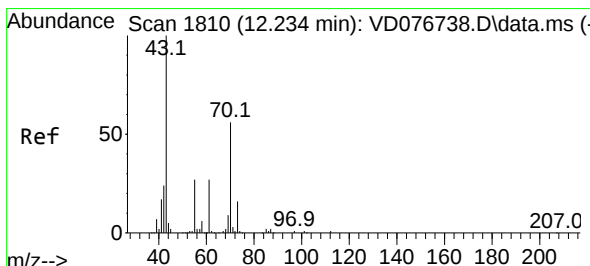
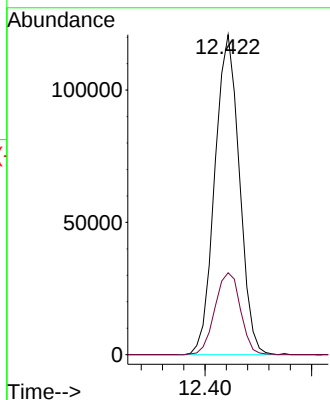
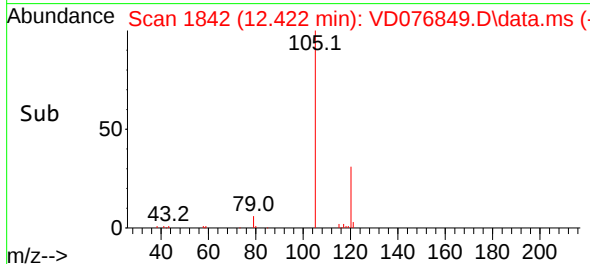
Instrument :
MSVOA_D
ClientSampleId :
VD0728SBSD01



Tgt Ion:105 Resp: 193592
Ion Ratio Lower Upper
105 100
120 26.5 14.3 42.9

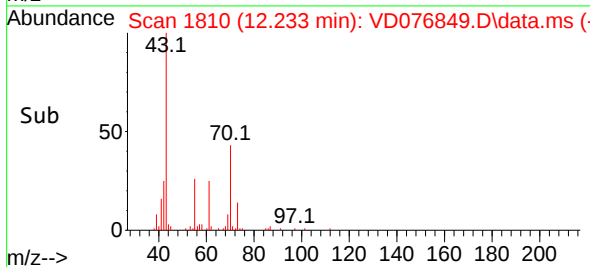
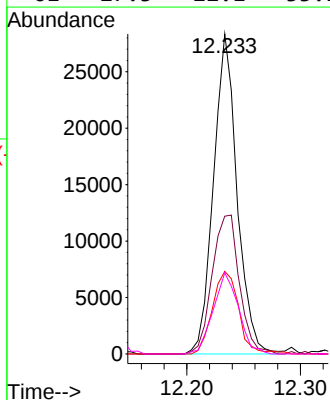
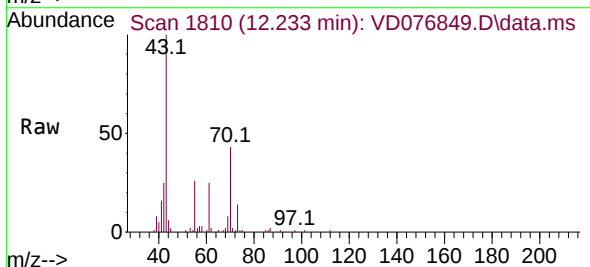
Manual Integrations
APPROVED

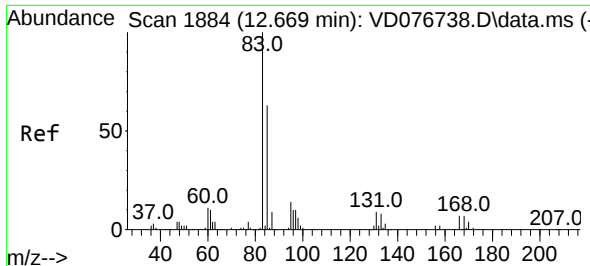
Reviewed By :John Carlone 07/31/2023
Supervised By :Mahesh Dadoda 07/31/2023



#74
N-ethyl acetate
Concen: 20.993 ug/l
RT: 12.233 min Scan# 1810
Delta R.T. -0.001 min
Lab File: VD076849.D
Acq: 28 Jul 2023 12:32

Tgt Ion: 43 Resp: 40857
Ion Ratio Lower Upper
43 100
70 50.1 45.0 67.4
55 28.7 23.8 35.6
61 27.3 22.1 33.1





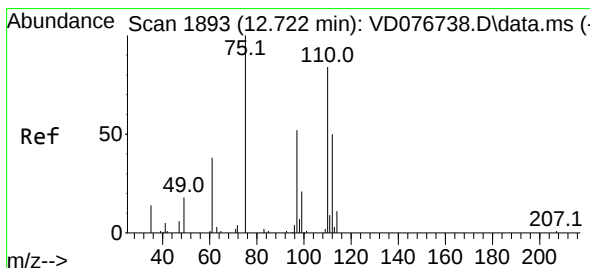
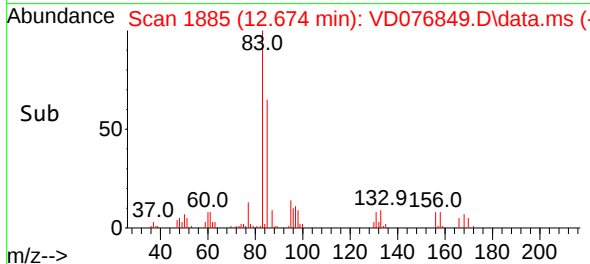
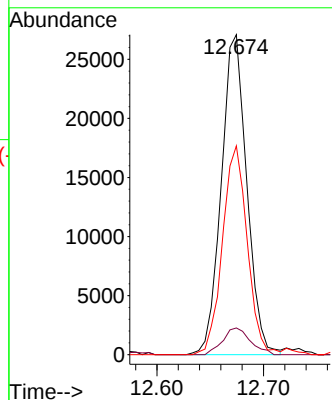
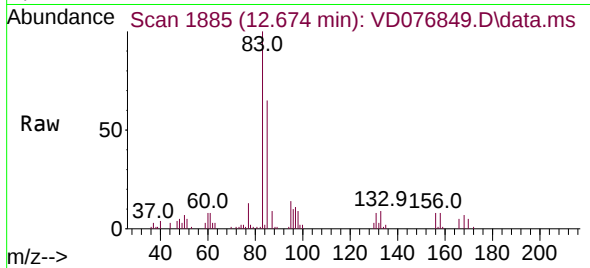
#75
1,1,2,2-Tetrachloroethane
Concen: 22.702 ug/l
RT: 12.674 min Scan# 1885
Delta R.T. 0.005 min
Lab File: VD076849.D
Acq: 28 Jul 2023 12:32

Instrument :
MSVOA_D
ClientSampleId :
VD0728SBSD01

Tgt Ion: 83 Resp: 45030
Ion Ratio Lower Upper
83 100
131 9.1 5.1 15.3
85 63.2 32.6 97.8

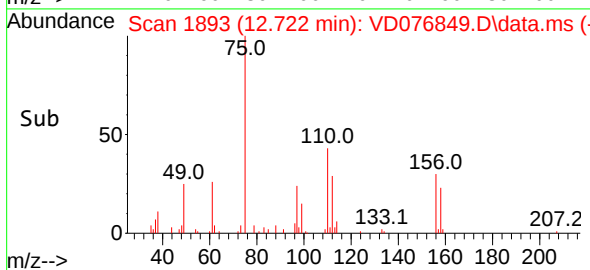
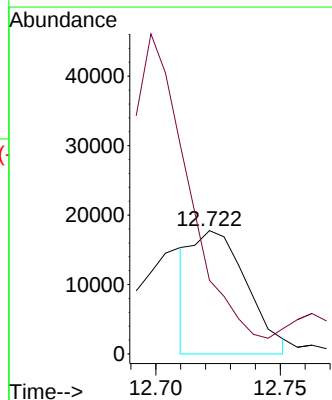
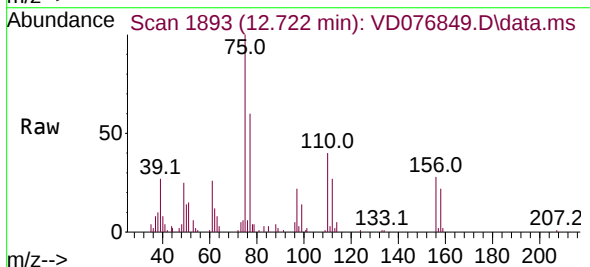
Manual Integrations
APPROVED

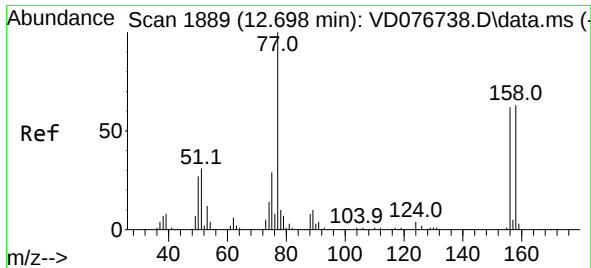
Reviewed By :John Carlone 07/31/2023
Supervised By :Mahesh Dadoda 07/31/2023



#76
1,2,3-Trichloropropane
Concen: 22.456 ug/l m
RT: 12.722 min Scan# 1893
Delta R.T. -0.000 min
Lab File: VD076849.D
Acq: 28 Jul 2023 12:32

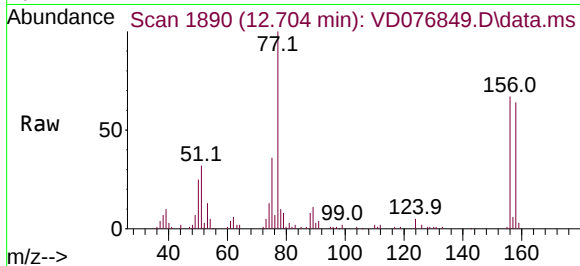
Tgt Ion: 75 Resp: 27192
Ion Ratio Lower Upper
75 100
77 0.0 0.0 0.0





#77
Bromobenzene
Concen: 21.334 ug/l
RT: 12.704 min Scan# 1889
Delta R.T. 0.006 min
Lab File: VD076849.D
Acq: 28 Jul 2023 12:32

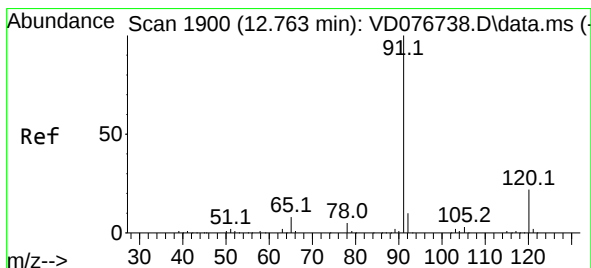
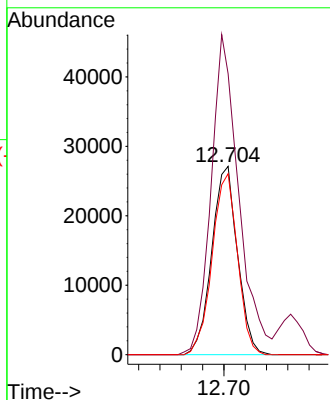
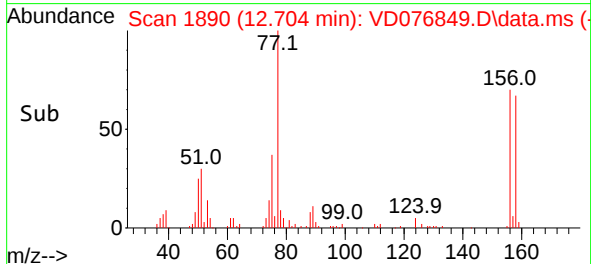
Instrument :
MSVOA_D
ClientSampleId :
VD0728SBSD01



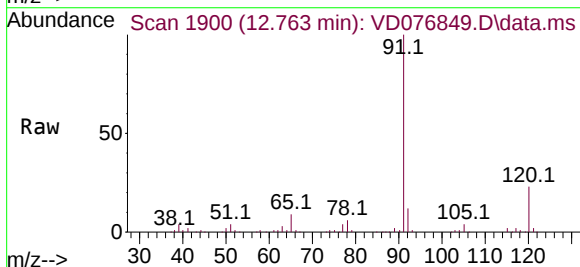
Tgt Ion:156 Resp: 45492
Ion Ratio Lower Upper
156 100
77 182.3 76.8 230.4
158 94.3 48.6 145.9

Manual Integrations
APPROVED

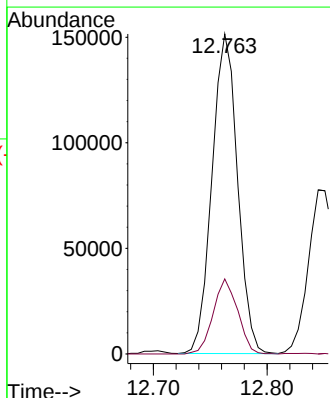
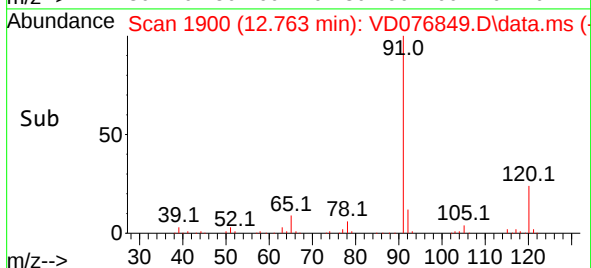
Reviewed By :John Carlone 07/31/2023
Supervised By :Mahesh Dadoda 07/31/2023

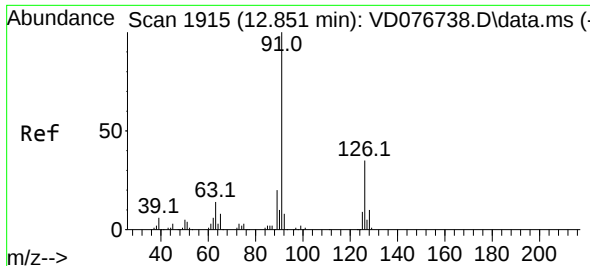


#78
n-propylbenzene
Concen: 21.103 ug/l
RT: 12.763 min Scan# 1900
Delta R.T. -0.000 min
Lab File: VD076849.D
Acq: 28 Jul 2023 12:32



Tgt Ion: 91 Resp: 236344
Ion Ratio Lower Upper
91 100
120 22.5 12.4 37.2





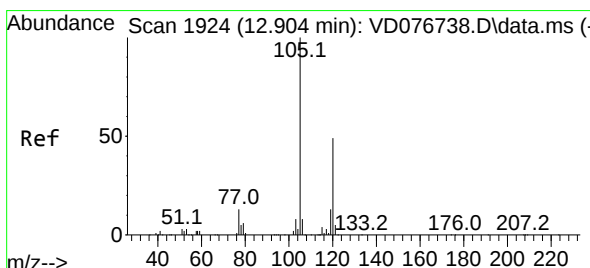
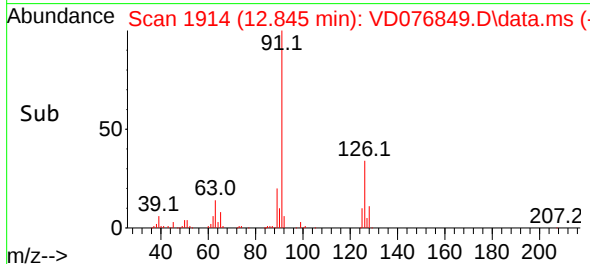
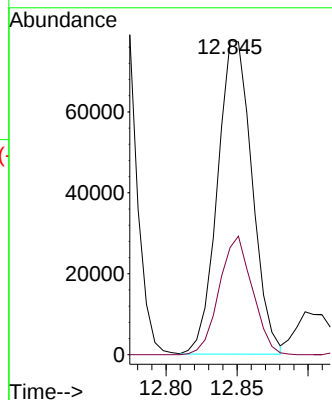
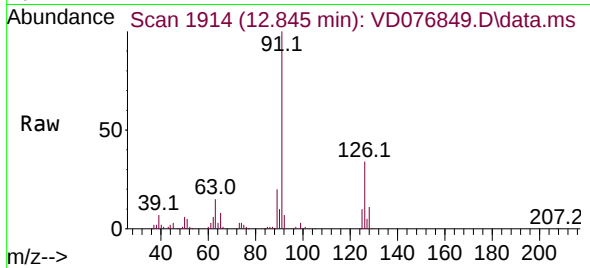
#79
2-Chlorotoluene
Concen: 21.387 ug/l
RT: 12.845 min Scan# 1915
Delta R.T. -0.006 min
Lab File: VD076849.D
Acq: 28 Jul 2023 12:32

Instrument :
MSVOA_D
ClientSampleId :
VD0728SBS01

Tgt Ion: 91 Resp: 131330
Ion Ratio Lower Upper
91 100
126 36.1 19.4 58.1

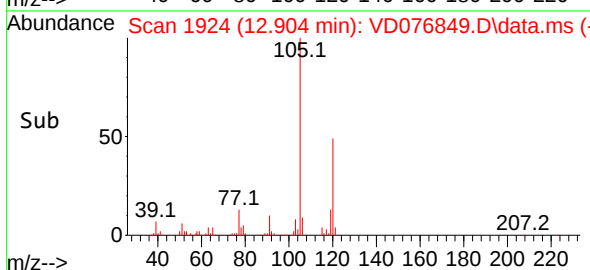
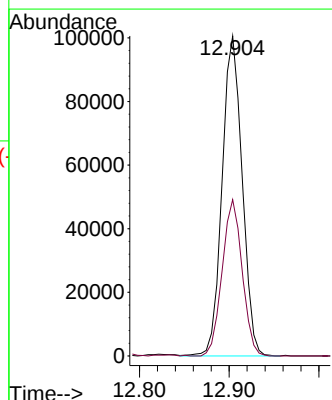
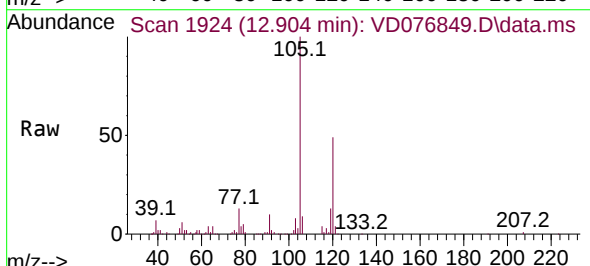
Manual Integrations
APPROVED

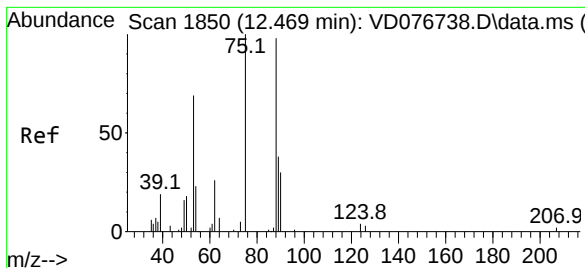
Reviewed By :John Carlone 07/31/2023
Supervised By :Mahesh Dadoda 07/31/2023



#80
1,3,5-Trimethylbenzene
Concen: 20.880 ug/l
RT: 12.904 min Scan# 1924
Delta R.T. -0.000 min
Lab File: VD076849.D
Acq: 28 Jul 2023 12:32

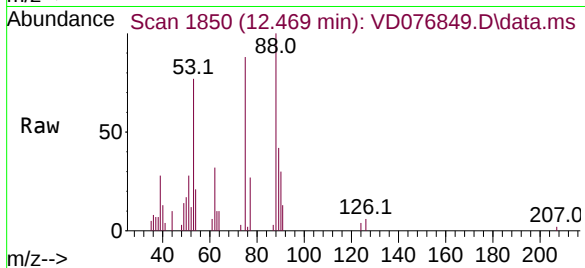
Tgt Ion:105 Resp: 155969
Ion Ratio Lower Upper
105 100
120 48.7 26.4 79.2





#81
trans-1,4-Dichloro-2-butene
Concen: 21.825 ug/l
RT: 12.469 min Scan# 1850
Delta R.T. -0.000 min
Lab File: VD076849.D
Acq: 28 Jul 2023 12:32

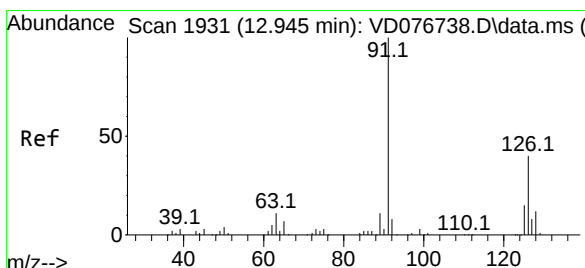
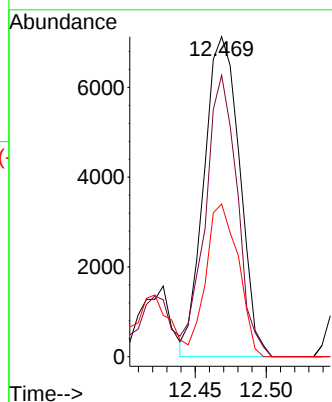
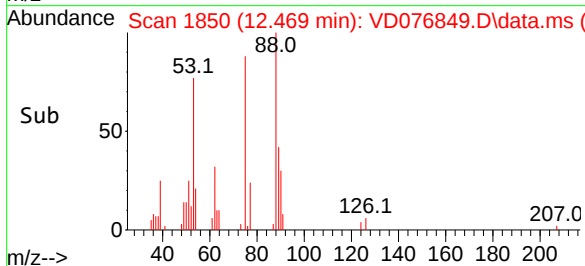
Instrument :
MSVOA_D
ClientSampleId :
VD0728SBSD01



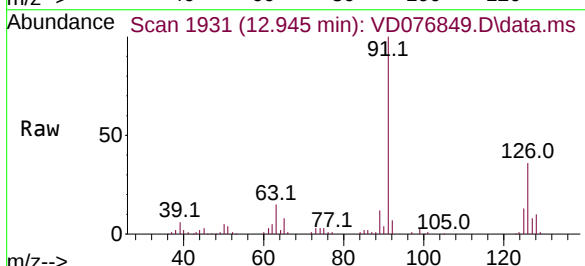
Tgt Ion: 75 Resp: 12418
Ion Ratio Lower Upper
75 100
53 78.8 63.0 94.4
89 43.2 37.9 56.9

Manual Integrations
APPROVED

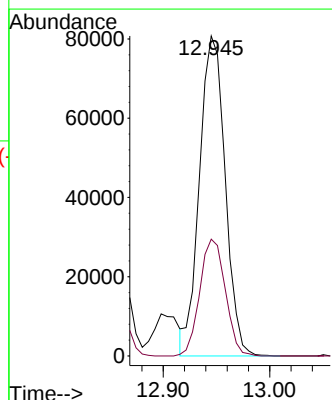
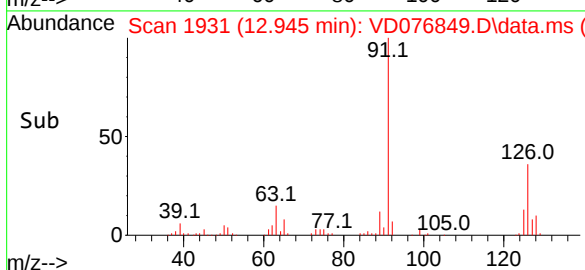
Reviewed By :John Carlone 07/31/2023
Supervised By :Mahesh Dadoda 07/31/2023

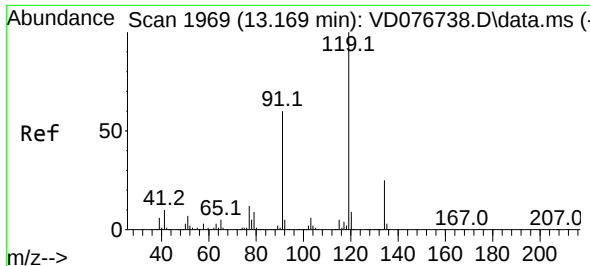


#82
4-Chlorotoluene
Concen: 21.131 ug/l
RT: 12.945 min Scan# 1931
Delta R.T. 0.000 min
Lab File: VD076849.D
Acq: 28 Jul 2023 12:32



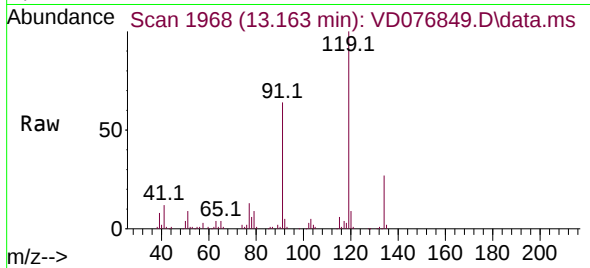
Tgt Ion: 91 Resp: 135562
Ion Ratio Lower Upper
91 100
126 36.3 19.4 58.4





#83
tert-Butylbenzene
Concen: 20.816 ug/l
RT: 13.163 min Scan# 1969
Delta R.T. -0.006 min
Lab File: VD076849.D
Acq: 28 Jul 2023 12:32

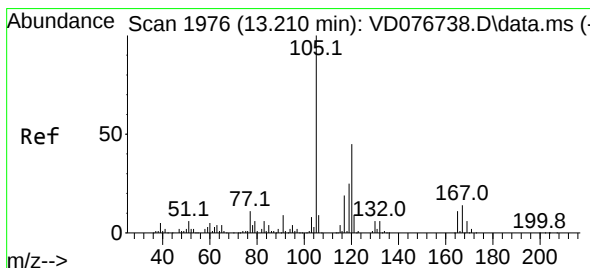
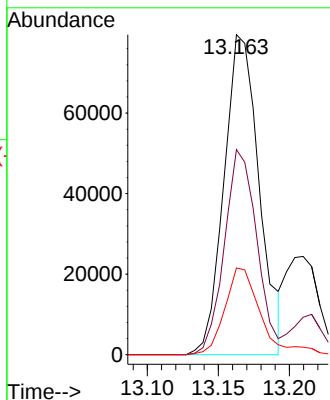
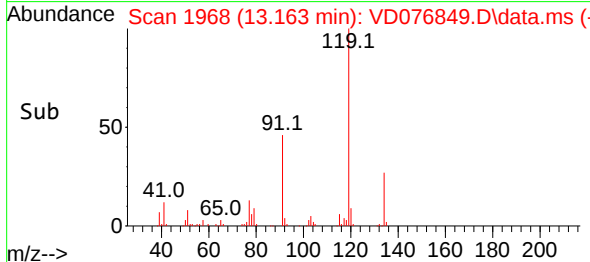
Instrument :
MSVOA_D
ClientSampleId :
VD0728SBSD01



Tgt Ion:119 Resp: 136910
Ion Ratio Lower Upper
119 100
91 59.1 29.3 87.8
134 27.7 14.1 42.3

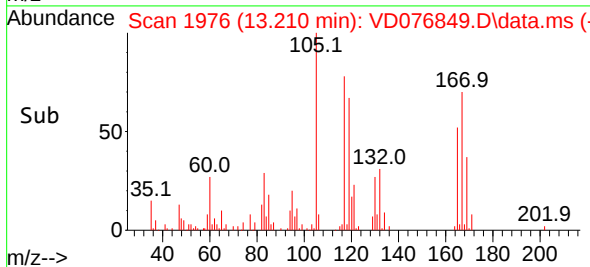
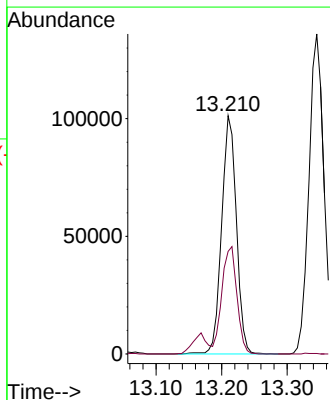
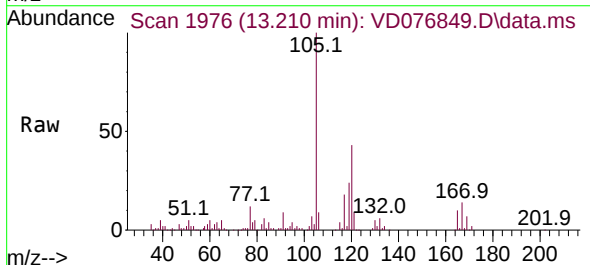
Manual Integrations
APPROVED

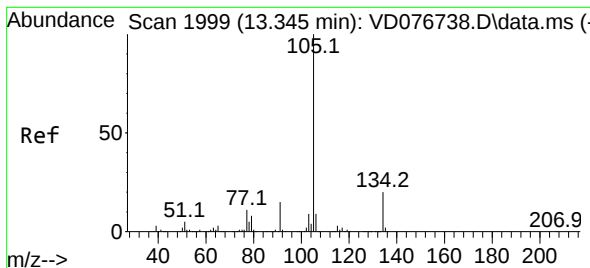
Reviewed By :John Carlone 07/31/2023
Supervised By :Mahesh Dadoda 07/31/2023



#84
1,2,4-Trimethylbenzene
Concen: 20.637 ug/l
RT: 13.210 min Scan# 1976
Delta R.T. -0.000 min
Lab File: VD076849.D
Acq: 28 Jul 2023 12:32

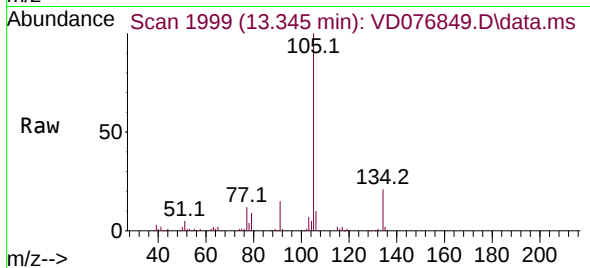
Tgt Ion:105 Resp: 157536
Ion Ratio Lower Upper
105 100
120 45.8 24.3 72.9





#85
 sec-Butylbenzene
 Concen: 21.309 ug/l
 RT: 13.345 min Scan# 1999
 Delta R.T. 0.000 min
 Lab File: VD076849.D
 Acq: 28 Jul 2023 12:32

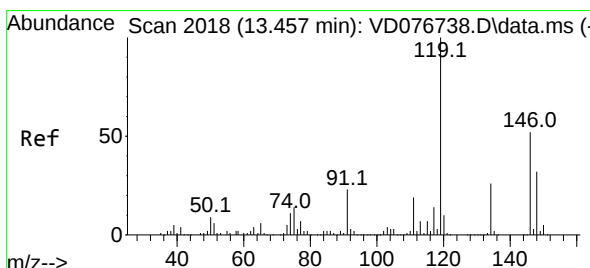
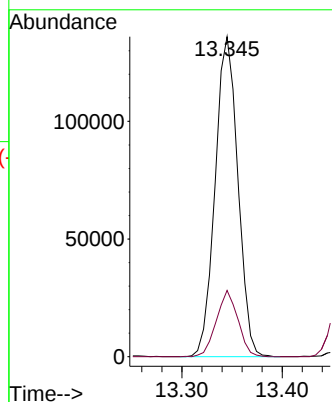
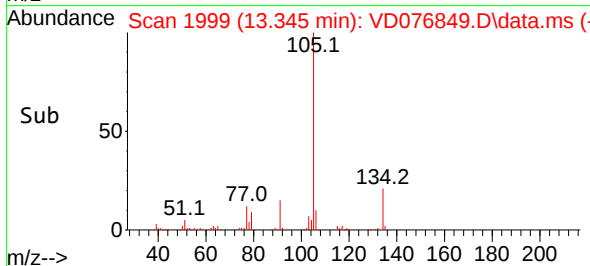
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0728SBSD01



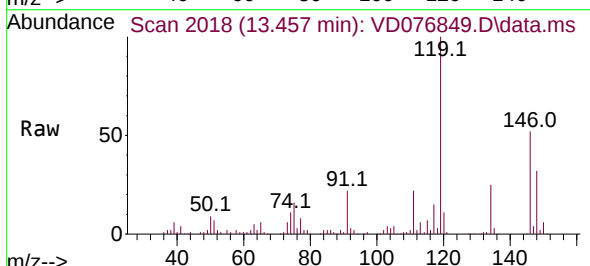
Tgt Ion:105 Resp: 214128
 Ion Ratio Lower Upper
 105 100
 134 19.6 10.9 32.9

Manual Integrations
 APPROVED

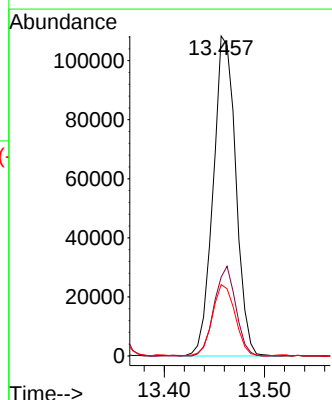
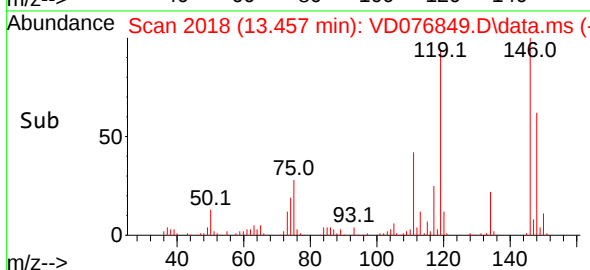
Reviewed By :John Carlone 07/31/2023
 Supervised By :Mahesh Dadoda 07/31/2023

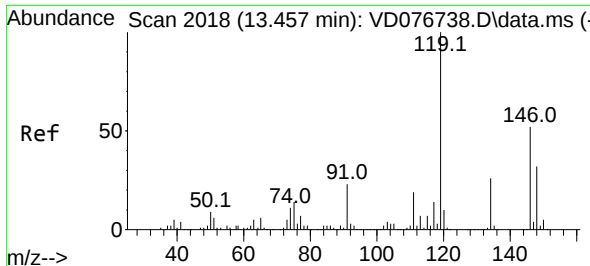


#86
 p-Isopropyltoluene
 Concen: 20.460 ug/l
 RT: 13.457 min Scan# 2018
 Delta R.T. -0.000 min
 Lab File: VD076849.D
 Acq: 28 Jul 2023 12:32



Tgt Ion:119 Resp: 169801
 Ion Ratio Lower Upper
 119 100
 134 26.6 14.2 42.6
 91 22.4 10.5 31.5





#87

1,3-Dichlorobenzene

Concen: 20.792 ug/l

RT: 13.457 min Scan# 2018

Delta R.T. -0.000 min

Lab File: VD076849.D

Acq: 28 Jul 2023 12:32

Instrument :

MSVOA_D

ClientSampleId :

VD0728SBS01

Tgt Ion:146 Resp: 9119

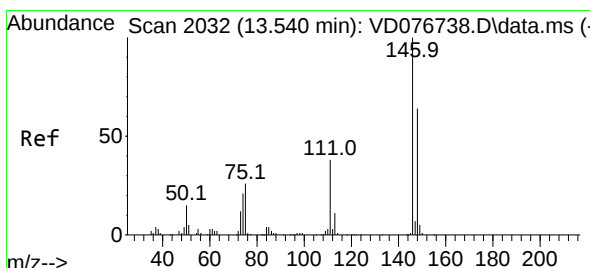
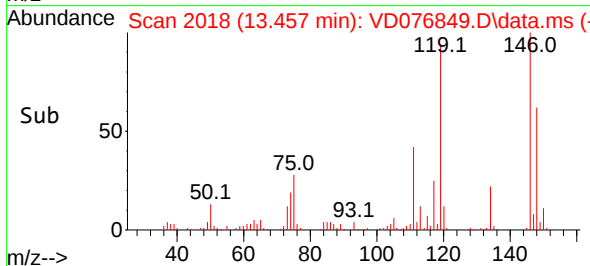
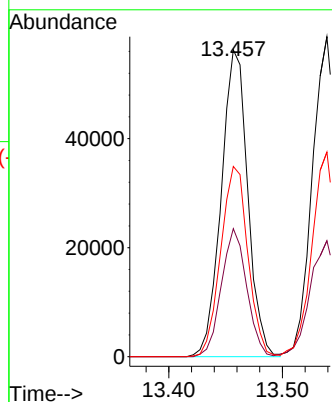
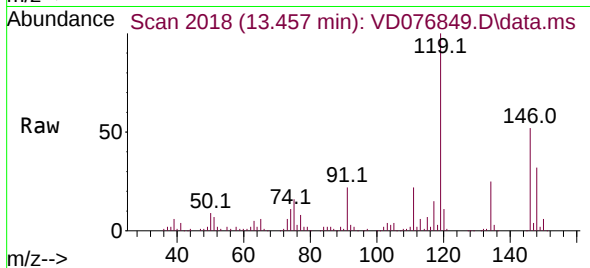
Ion	Ratio	Lower	Upper
146	100		
111	39.9	17.9	53.8
148	63.5	32.3	96.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/31/2023

Supervised By :Mahesh Dadoda 07/31/2023



#88

1,4-Dichlorobenzene

Concen: 21.538 ug/l

RT: 13.539 min Scan# 2032

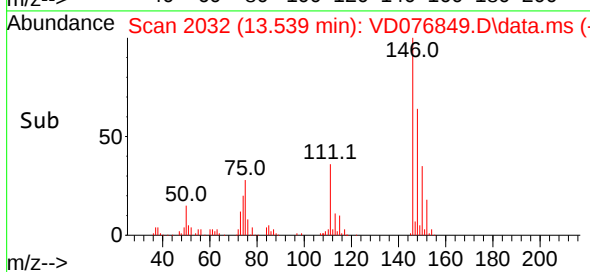
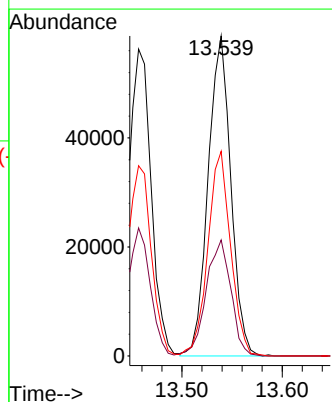
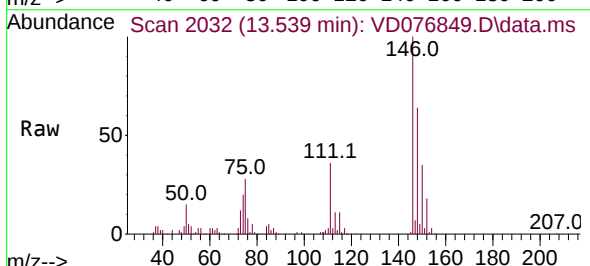
Delta R.T. -0.001 min

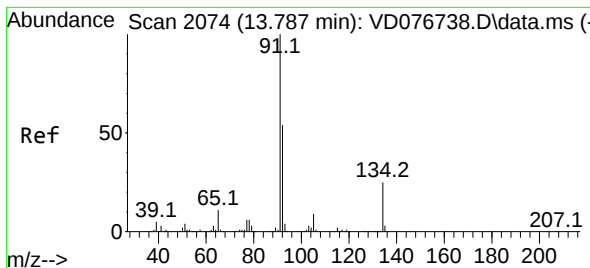
Lab File: VD076849.D

Acq: 28 Jul 2023 12:32

Tgt Ion:146 Resp: 92554

Ion	Ratio	Lower	Upper
146	100		
111	39.4	17.4	52.3
148	64.2	31.7	95.1





#89

n-Butylbenzene

Concen: 19.865 ug/l

RT: 13.786 min Scan# 2074

Delta R.T. -0.001 min

Lab File: VD076849.D

Acq: 28 Jul 2023 12:32

Instrument :

MSVOA_D

ClientSampleId :

VD0728SBSD01

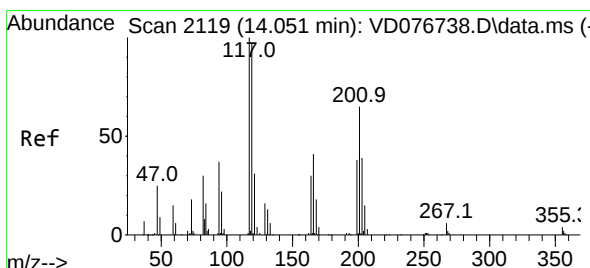
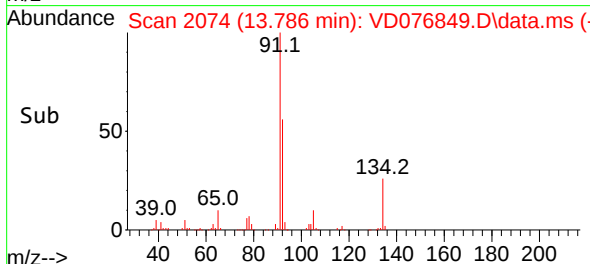
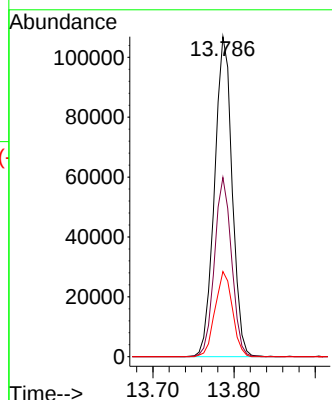
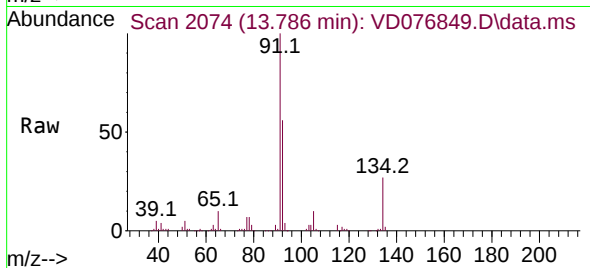
Tgt Ion:	91	Resp:	161318
Ion	Ratio	Lower	Upper
91	100		
92	54.4	26.5	79.5
134	26.2	13.8	41.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/31/2023

Supervised By :Mahesh Dadoda 07/31/2023



#90

Hexachloroethane

Concen: 23.820 ug/l

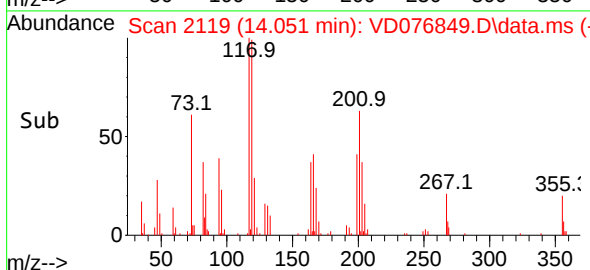
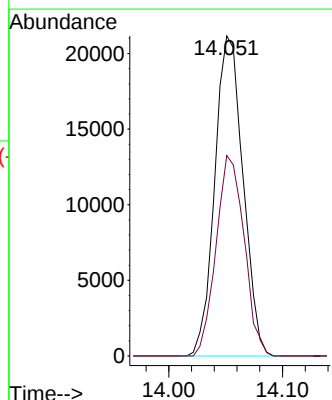
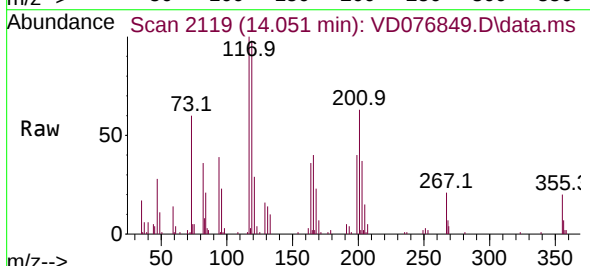
RT: 14.051 min Scan# 2119

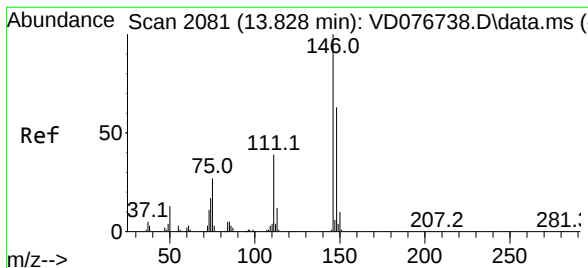
Delta R.T. -0.000 min

Lab File: VD076849.D

Acq: 28 Jul 2023 12:32

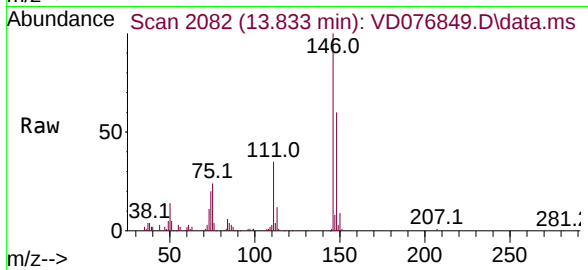
Tgt Ion:	117	Resp:	36546
Ion	Ratio	Lower	Upper
117	100		
201	62.2	38.5	115.5





#91
1,2-Dichlorobenzene
Concen: 21.773 ug/l
RT: 13.833 min Scan# 2081
Delta R.T. 0.005 min
Lab File: VD076849.D
Acq: 28 Jul 2023 12:32

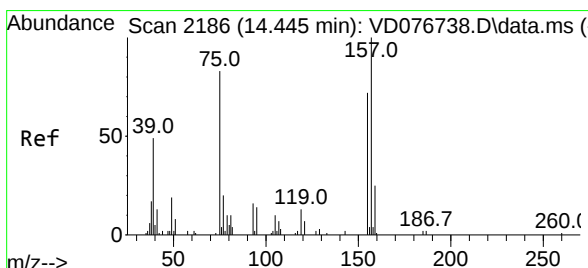
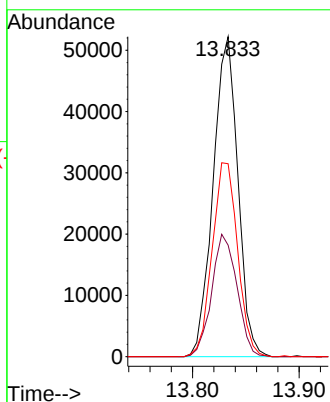
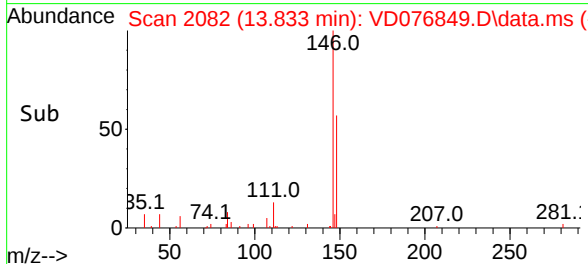
Instrument :
MSVOA_D
ClientSampleId :
VD0728SBS01



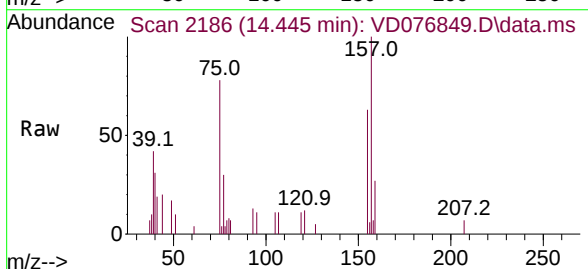
Tgt Ion:146 Resp: 84149
Ion Ratio Lower Upper
146 100
111 39.0 18.3 54.8
148 62.2 31.6 94.7

Manual Integrations
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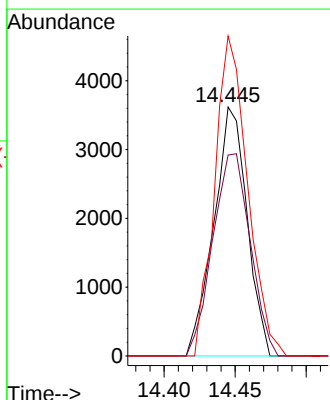
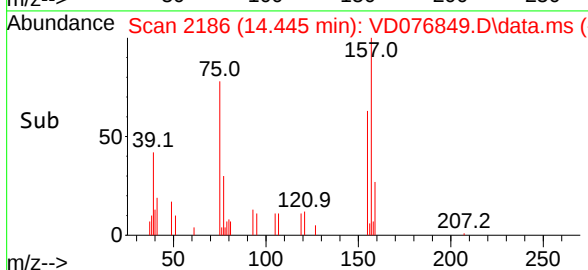
Reviewed By :John Carlone 07/31/2023
Supervised By :Mahesh Dadoda 07/31/2023

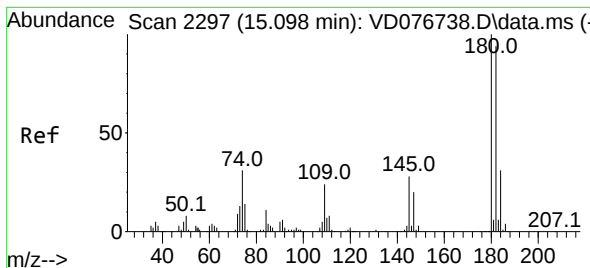


#92
1,2-Dibromo-3-Chloropropane
Concen: 20.809 ug/l
RT: 14.445 min Scan# 2186
Delta R.T. -0.000 min
Lab File: VD076849.D
Acq: 28 Jul 2023 12:32



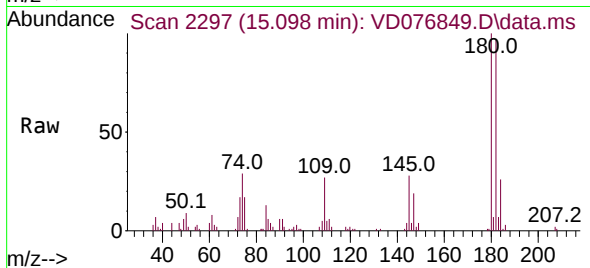
Tgt Ion: 75 Resp: 5885
Ion Ratio Lower Upper
75 100
155 91.5 47.9 143.8
157 127.3 59.9 179.7





#93
1,2,4-Trichlorobenzene
Concen: 20.545 ug/l
RT: 15.098 min Scan# 21
Delta R.T. -0.000 min
Lab File: VD076849.D
Acq: 28 Jul 2023 12:32

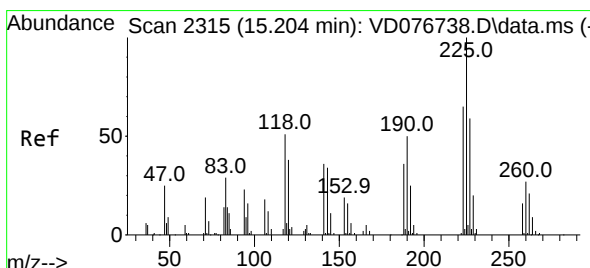
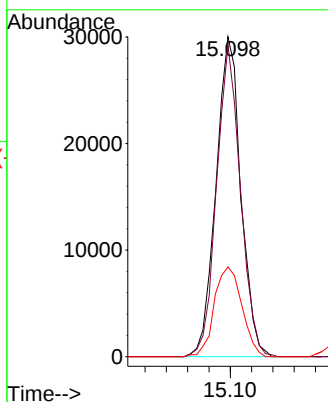
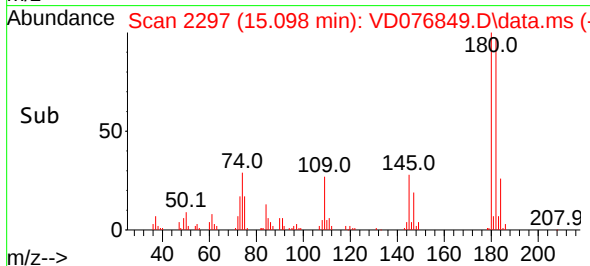
Instrument :
MSVOA_D
ClientSampleId :
VD0728SBS01



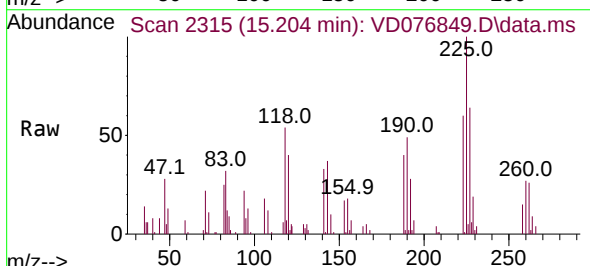
Tgt Ion:180 Resp: 48470
Ion Ratio Lower Upper
180 100
182 93.7 48.5 145.6
145 31.2 14.2 42.6

Manual Integrations
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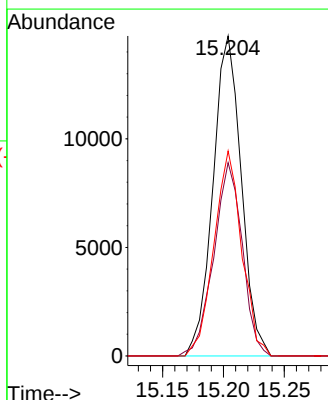
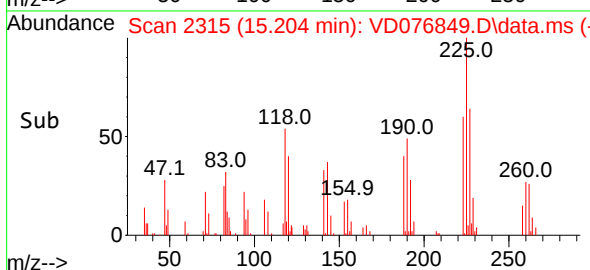
Reviewed By :John Carlone 07/31/2023
Supervised By :Mahesh Dadoda 07/31/2023

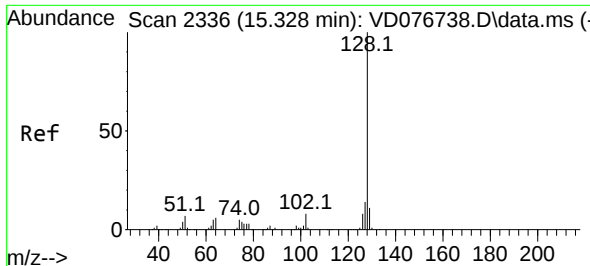


#94
Hexachlorobutadiene
Concen: 20.986 ug/l
RT: 15.204 min Scan# 2315
Delta R.T. -0.000 min
Lab File: VD076849.D
Acq: 28 Jul 2023 12:32



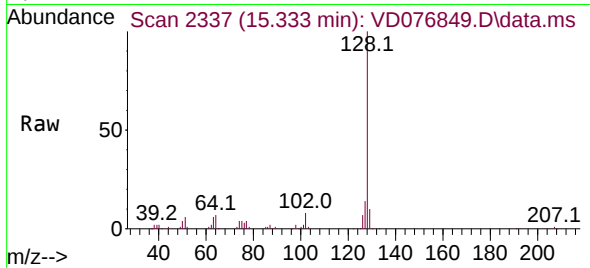
Tgt Ion:225 Resp: 23814
Ion Ratio Lower Upper
225 100
223 60.7 31.6 94.8
227 63.2 31.7 95.1





#95
Naphthalene
Concen: 22.321 ug/l
RT: 15.333 min Scan# 211
Delta R.T. 0.005 min
Lab File: VD076849.D
Acq: 28 Jul 2023 12:32

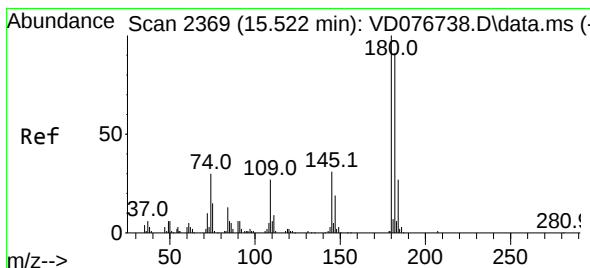
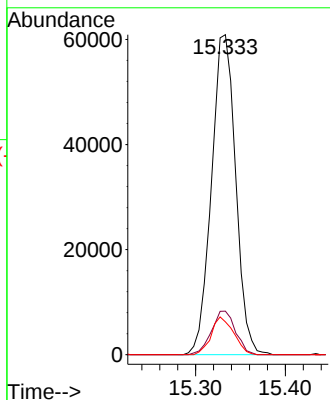
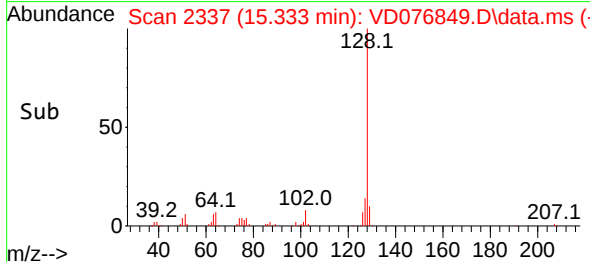
Instrument :
MSVOA_D
ClientSampleId :
VD0728SBSD01



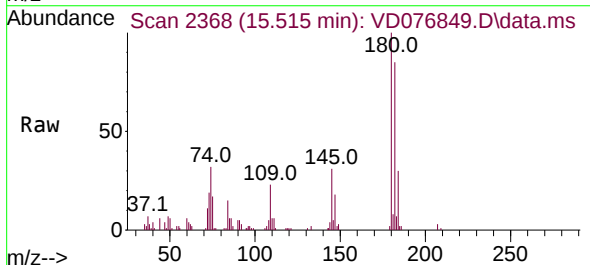
Tgt Ion:128 Resp: 11403
Ion Ratio Lower Upper
128 100
127 13.6 10.5 15.7
129 10.3 8.7 13.1

Manual Integrations
APPROVED

Reviewed By :John Carlone 07/31/2023
Supervised By :Mahesh Dadoda 07/31/2023



#96
1,2,3-Trichlorobenzene
Concen: 20.802 ug/l
RT: 15.515 min Scan# 2368
Delta R.T. -0.007 min
Lab File: VD076849.D
Acq: 28 Jul 2023 12:32



Tgt Ion:180 Resp: 44045
Ion Ratio Lower Upper
180 100
182 93.4 47.3 141.9
145 32.9 15.1 45.3

