

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD122121\
 Data File : VD071423.D
 Acq On : 21 Dec 2021 21:03
 Operator : VA/SY
 Sample : M5182-07MSD
 Misc : 6.81G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 HB-2-(20-25)-12-17-21MSD

Quant Time: Dec 21 21:46:42 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D112921S.M
 Quant Title : SW846 8260
 QLast Update : Mon Nov 29 17:54:09 2021
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 12/22/2021
 Supervised By :Amit Patel 12/24/2021

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

Internal Standards						
1) Pentafluorobenzene	7.979	168	303377	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.862	114	527414	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	491776	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	236157	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	206926	58.129	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 116.260%			
35) Dibromofluoromethane	7.915	113	197301	58.746	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 117.500%			
50) Toluene-d8	10.338	98	632685	49.502	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 99.000%			
62) 4-Bromofluorobenzene	12.626	95	254977	57.553	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 115.100%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.991	85	113579	43.902	ug/l	97
3) Chloromethane	2.215	50	161561	47.204	ug/l	100
4) Vinyl Chloride	2.350	62	197682	51.769	ug/l	97
5) Bromomethane	2.762	94	135384	49.183	ug/l	99
6) Chloroethane	2.921	64	147266	56.073	ug/l	90
7) Trichlorofluoromethane	3.274	101	286139	55.316	ug/l	97
8) Diethyl Ether	3.715	74	93215	66.471	ug/l	97
9) 1,1,2-Trichlorotrifluo...	4.097	101	167390	54.849	ug/l	96
10) Methyl Iodide	4.303	142	173574	49.023	ug/l	95
11) Tert butyl alcohol	5.215	59	56108	243.788	ug/l	98
12) 1,1-Dichloroethene	4.068	96	152035	53.983	ug/l	81
13) Acrolein	3.932	56	6727	27.653	ug/l	98
14) Allyl chloride	4.709	41	302352	56.520	ug/l #	81
15) Acrylonitrile	5.415	53	242243	355.194	ug/l	96
16) Acetone	4.156	43	297809	307.043	ug/l	89
17) Carbon Disulfide	4.415	76	390693	47.381	ug/l	100
18) Methyl Acetate	4.715	43	185736	70.717	ug/l	96
19) Methyl tert-butyl Ether	5.479	73	466476	67.584	ug/l	95
20) Methylene Chloride	4.962	84	219563	62.136	ug/l	93
21) trans-1,2-Dichloroethene	5.473	96	176818	55.773	ug/l	87
22) Diisopropyl ether	6.368	45	704587	65.739	ug/l	96
23) Vinyl Acetate	6.303	43	1507580	259.008	ug/l	97
24) 1,1-Dichloroethane	6.268	63	379760	61.602	ug/l	98
25) 2-Butanone	7.209	43	338372	303.141	ug/l	90
26) 2,2-Dichloropropane	7.209	77	302197	53.909	ug/l	97
27) cis-1,2-Dichloroethene	7.215	96	221776	61.834	ug/l	95
28) Bromochloromethane	7.544	49	167520	62.564	ug/l	92
29) Tetrahydrofuran	7.562	42	202480	358.208	ug/l	93
30) Chloroform	7.709	83	392561	63.451	ug/l	99
31) Cyclohexane	7.979	56	272783	45.050	ug/l	98
32) 1,1,1-Trichloroethane	7.903	97	337831	60.819	ug/l	94
36) 1,1-Dichloropropene	8.109	75	263727	53.501	ug/l	97
37) Ethyl Acetate	7.291	43	137941	64.782	ug/l	95
38) Carbon Tetrachloride	8.097	117	276267	56.855	ug/l	99
39) Methylcyclohexane	9.350	83	230114	38.812	ug/l	96
40) Benzene	8.350	78	751150	56.100	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.520	41	85243	73.700	ug/l #	78
42) 1,2-Dichloroethane	8.420	62	257930	63.108	ug/l	95
43) Isopropyl Acetate	8.450	43	277359	58.237	ug/l #	88
44) Trichloroethene	9.109	130	198732	55.667	ug/l	97
45) 1,2-Dichloropropane	9.385	63	213213	60.551	ug/l	99
46) Dibromomethane	9.473	93	117688	64.421	ug/l	94
47) Bromodichloromethane	9.656	83	310290	64.224	ug/l	99
48) Methyl methacrylate	9.450	41	137871	66.149	ug/l #	78
49) 1,4-Dioxane	9.456	88	24668	1398.818	ug/l	92
51) 4-Methyl-2-Pentanone	10.220	43	727841	296.617	ug/l	91
52) Toluene	10.397	92	479537	56.446	ug/l	99
53) t-1,3-Dichloropropene	10.614	75	283797	63.889	ug/l	96
54) cis-1,3-Dichloropropene	10.085	75	322481	61.118	ug/l #	78
55) 1,1,2-Trichloroethane	10.791	97	160719	67.062	ug/l	93
56) Ethyl methacrylate	10.656	69	217357	61.447	ug/l #	74
57) 1,3-Dichloropropane	10.938	76	280872	66.714	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.938	63	524187	321.424	ug/l	99
59) 2-Hexanone	10.979	43	537487	290.573	ug/l	88
60) Dibromochloromethane	11.138	129	200698	67.380	ug/l	100
61) 1,2-Dibromoethane	11.238	107	153199	66.559	ug/l	99
64) Tetrachloroethene	10.873	164	162279	51.979	ug/l	96
65) Chlorobenzene	11.661	112	520330	57.025	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.738	131	206818	62.078	ug/l	98
67) Ethyl Benzene	11.738	91	952104	55.428	ug/l	98
68) m/p-Xylenes	11.850	106	696488	107.400	ug/l	93
69) o-Xylene	12.173	106	349891	57.406	ug/l	94
70) Styrene	12.185	104	600672	58.474	ug/l	96
71) Bromoform	12.350	173	111872	64.817	ug/l #	98
73) Isopropylbenzene	12.473	105	880863	51.513	ug/l	99
74) N-amyl acetate	12.279	43	281615	58.995	ug/l #	87
75) 1,1,2,2-Tetrachloroethane	12.720	83	193683	68.780	ug/l	100
76) 1,2,3-Trichloropropane	12.773	75	128029m	56.902	ug/l	
77) Bromobenzene	12.750	156	206995	55.887	ug/l	94
78) n-propylbenzene	12.808	91	1029532	48.346	ug/l	100
79) 2-Chlorotoluene	12.897	91	632792	52.945	ug/l	98
80) 1,3,5-Trimethylbenzene	12.950	105	698556	49.541	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.520	75	48782	50.628	ug/l #	71
82) 4-Chlorotoluene	12.997	91	651186	52.481	ug/l	99
83) tert-Butylbenzene	13.214	119	587489	48.514	ug/l	95
84) 1,2,4-Trimethylbenzene	13.261	105	696762	50.612	ug/l	96
85) sec-Butylbenzene	13.391	105	794226	42.941	ug/l	98
86) p-Isopropyltoluene	13.502	119	662274	43.779	ug/l	97
87) 1,3-Dichlorobenzene	13.502	146	391135	53.050	ug/l	94
88) 1,4-Dichlorobenzene	13.585	146	386079	52.854	ug/l	95
89) n-Butylbenzene	13.832	91	578239	39.157	ug/l	99
90) Hexachloroethane	14.097	117	137893	48.085	ug/l	86
91) 1,2-Dichlorobenzene	13.879	146	351926	56.129	ug/l	94
92) 1,2-Dibromo-3-Chloropr...	14.491	75	30385	66.259	ug/l	98
93) 1,2,4-Trichlorobenzene	15.144	180	181570	46.425	ug/l #	56
94) Hexachlorobutadiene	15.249	225	45176	20.415	ug/l	99
95) Naphthalene	15.385	128	460889	66.849	ug/l	98
96) 1,2,3-Trichlorobenzene	15.579	180	172070	51.800	ug/l #	73

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Supervised By :Amit Patel 12/24/2021

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

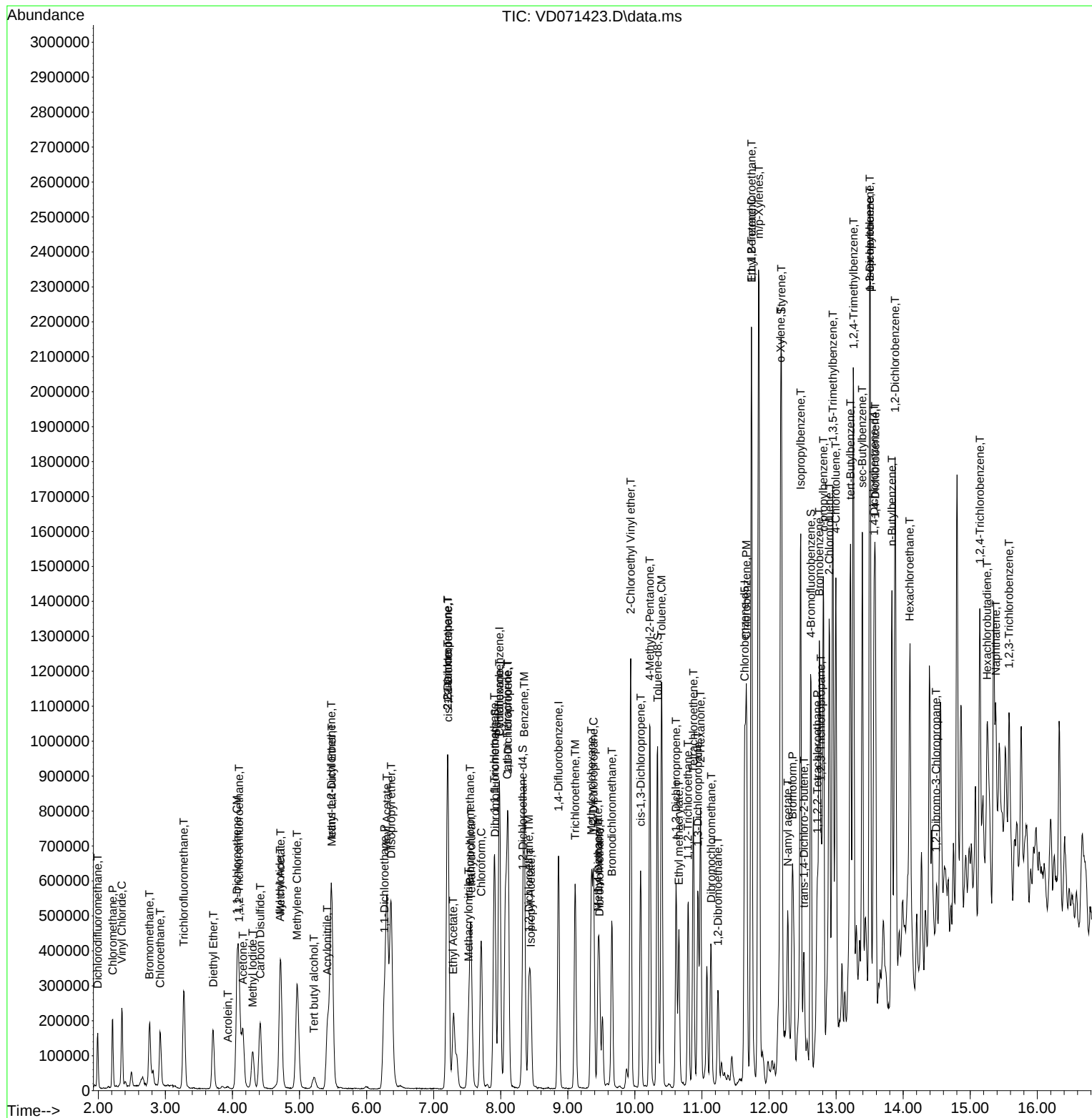
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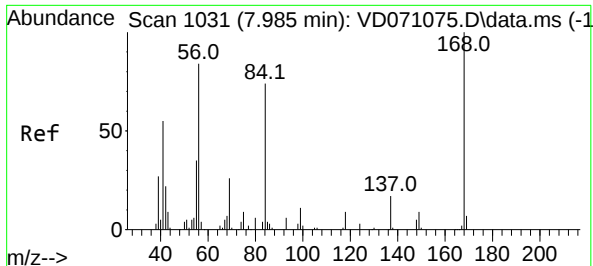
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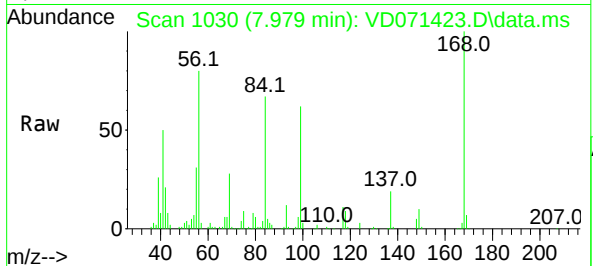
Reviewed By :Semsettin Yesilyurt 12/22/2021
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#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 1031
Delta R.T. -0.006 min
Lab File: VD071423.D
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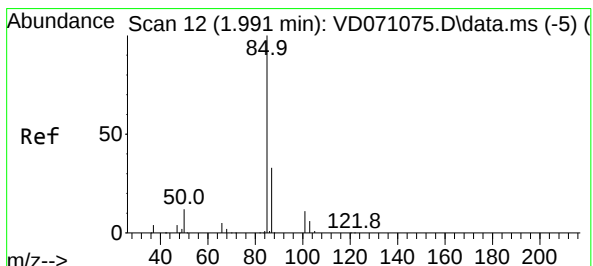
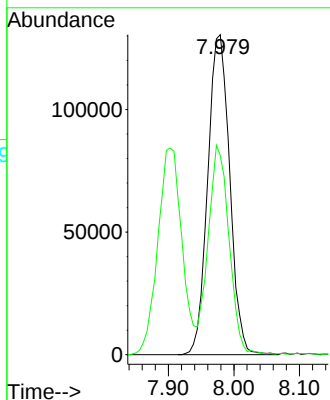
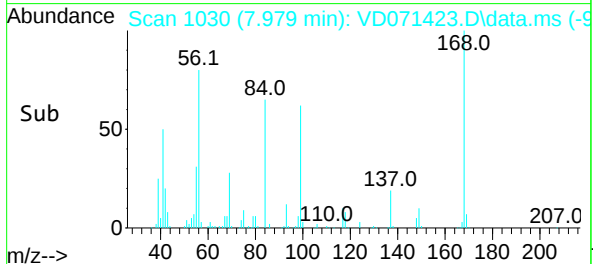
Instrument :
MSVOA_D
ClientSampleId :
HB-2-(20-25)-12-17-21MSD



Tgt Ion:168 Resp: 30337
Ion Ratio Lower Upper
168 100
99 61.9 46.6 69.8

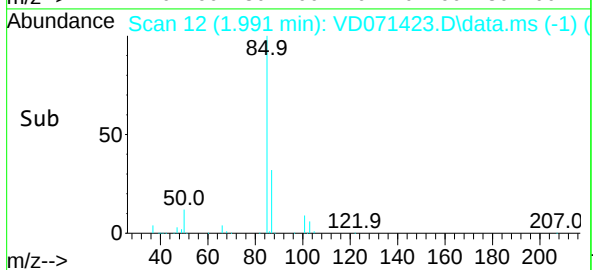
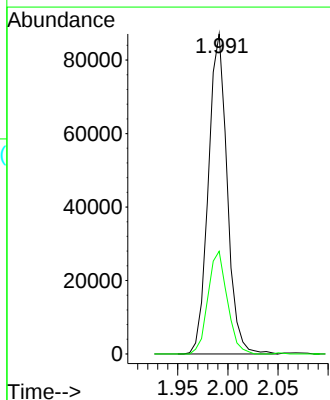
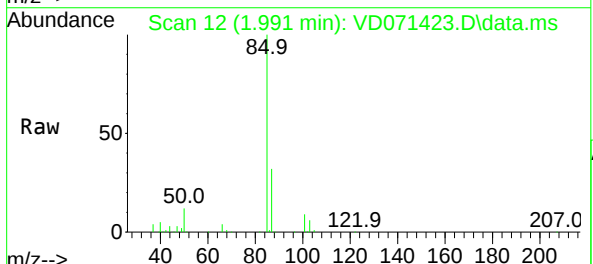
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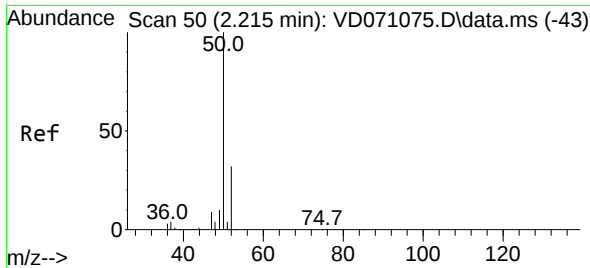
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#2
Dichlorodifluoromethane
Concen: 43.902 ug/l
RT: 1.991 min Scan# 12
Delta R.T. 0.000 min
Lab File: VD071423.D
Acq: 21 Dec 2021 21:03

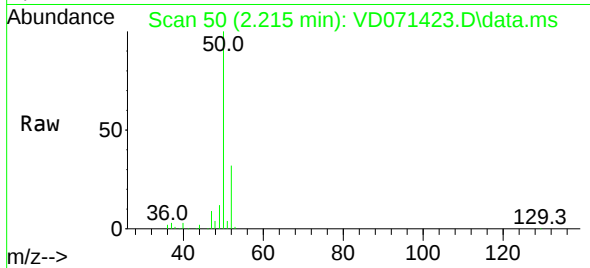
Tgt Ion: 85 Resp: 113579
Ion Ratio Lower Upper
85 100
87 32.1 15.2 45.6





#3
Chloromethane
Concen: 47.204 ug/l
RT: 2.215 min Scan# 50
Delta R.T. -0.000 min
Lab File: VD071423.D
Acq: 21 Dec 2021 21:03

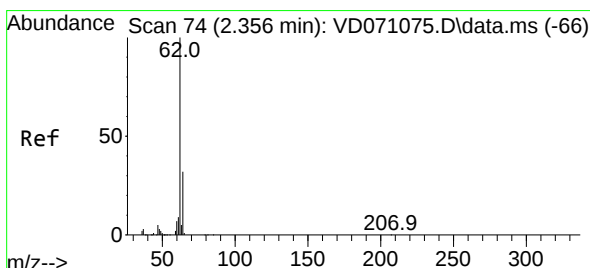
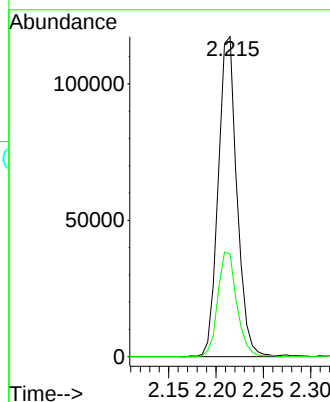
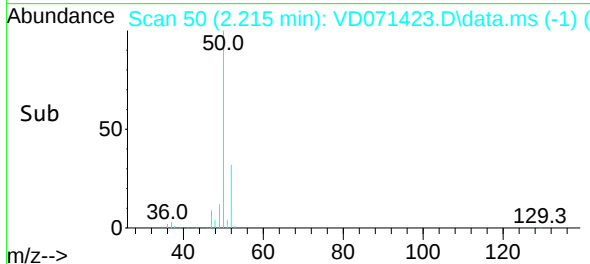
Instrument :
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Tgt Ion: 50 Resp: 16156
Ion Ratio Lower Upper
50 100
52 32.1 25.8 38.8

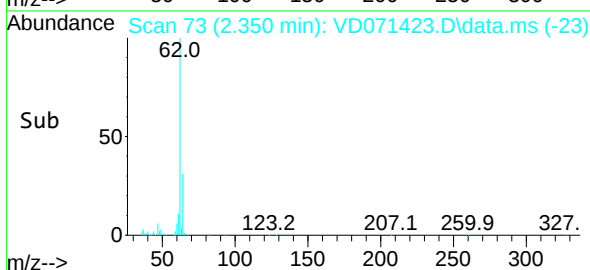
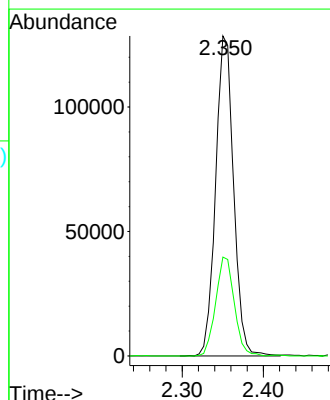
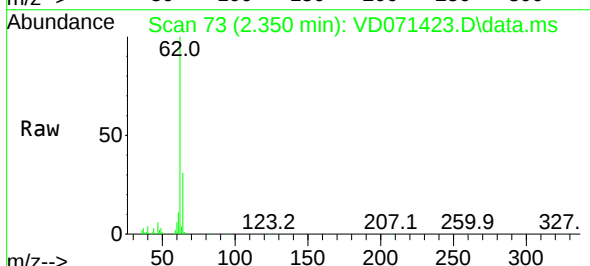
Manual Integrations
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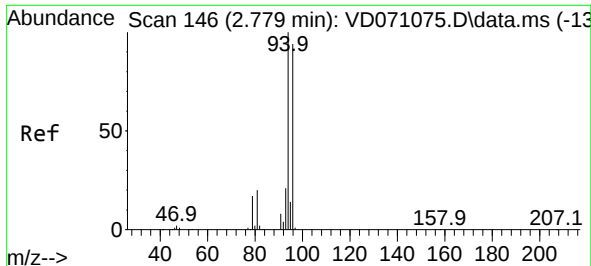
Reviewed By :Semsettin Yesilyurt 12/22/2021
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#4
Vinyl Chloride
Concen: 51.769 ug/l
RT: 2.350 min Scan# 73
Delta R.T. -0.006 min
Lab File: VD071423.D
Acq: 21 Dec 2021 21:03

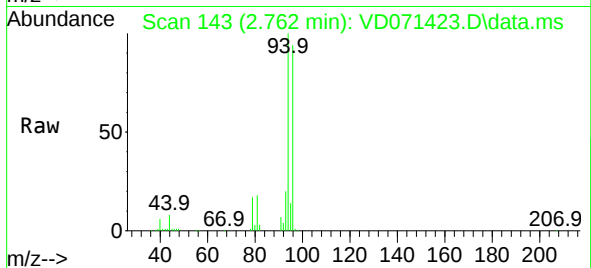
Tgt Ion: 62 Resp: 197682
Ion Ratio Lower Upper
62 100
64 30.9 26.0 39.0





#5
Bromomethane
Concen: 49.183 ug/l
RT: 2.762 min Scan# 146
Delta R.T. -0.017 min
Lab File: VD071423.D
Acq: 21 Dec 2021 21:03

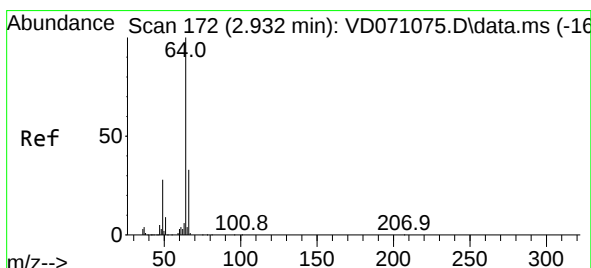
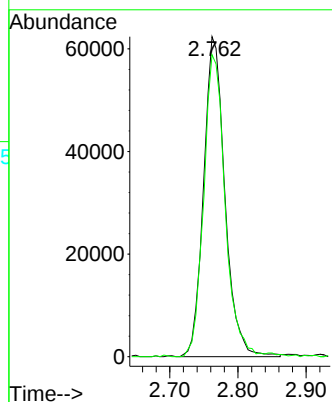
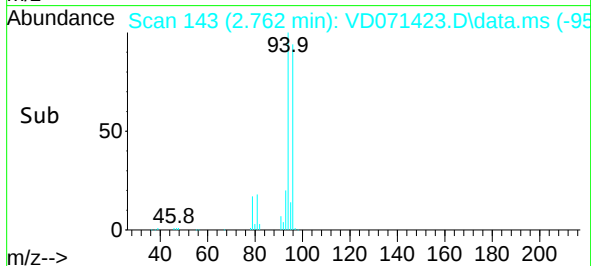
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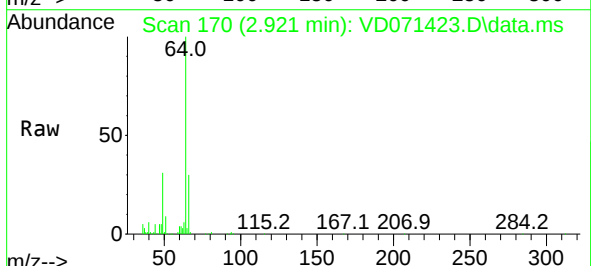
Tgt Ion: 94 Resp: 135384
Ion Ratio Lower Upper
94 100
96 94.3 74.8 112.2

Manual Integrations
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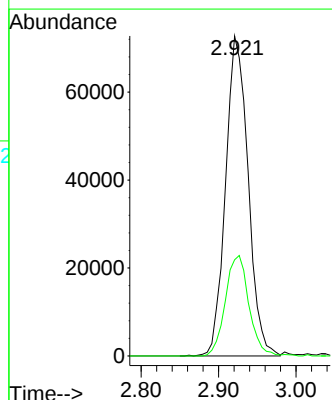
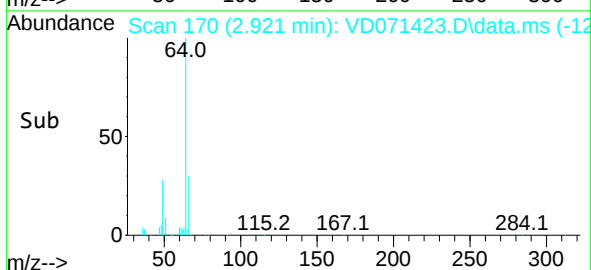
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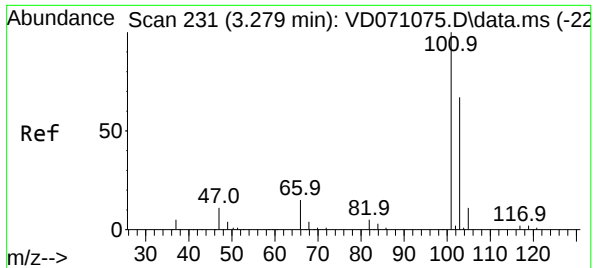


#6
Chloroethane
Concen: 56.073 ug/l
RT: 2.921 min Scan# 170
Delta R.T. -0.011 min
Lab File: VD071423.D
Acq: 21 Dec 2021 21:03



Tgt Ion: 64 Resp: 147266
Ion Ratio Lower Upper
64 100
66 30.1 29.0 43.4





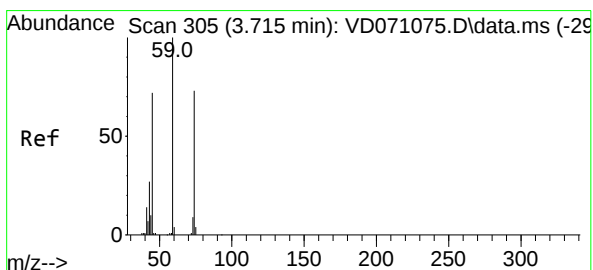
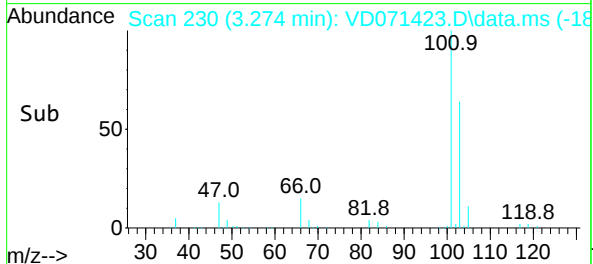
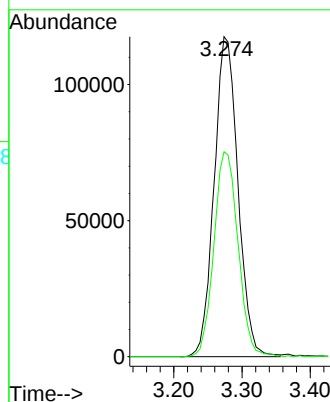
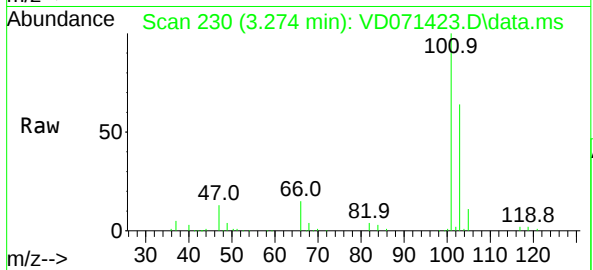
#7
Trichlorofluoromethane
Concen: 55.316 ug/l
RT: 3.274 min Scan# 21
Delta R.T. -0.005 min
Lab File: VD071423.D
Acq: 21 Dec 2021 21:03

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Tgt Ion:101 Resp: 286139
Ion Ratio Lower Upper
101 100
103 64.1 49.7 74.5

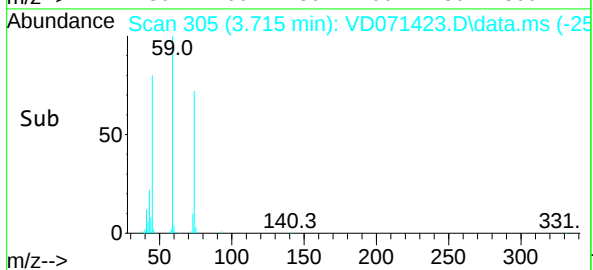
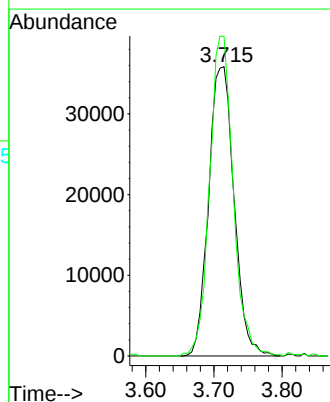
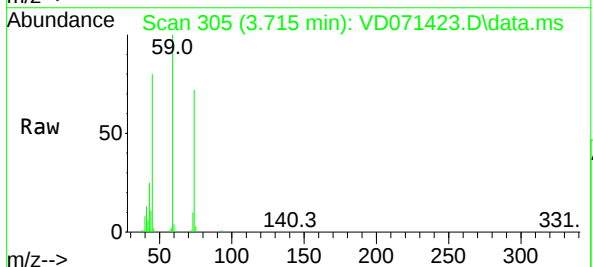
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#8
Diethyl Ether
Concen: 66.471 ug/l
RT: 3.715 min Scan# 305
Delta R.T. -0.000 min
Lab File: VD071423.D
Acq: 21 Dec 2021 21:03

Tgt Ion: 74 Resp: 93215
Ion Ratio Lower Upper
74 100
45 102.6 49.6 149.0





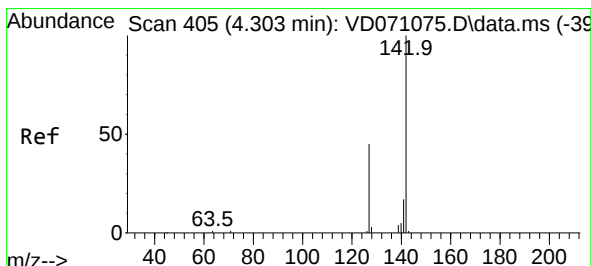
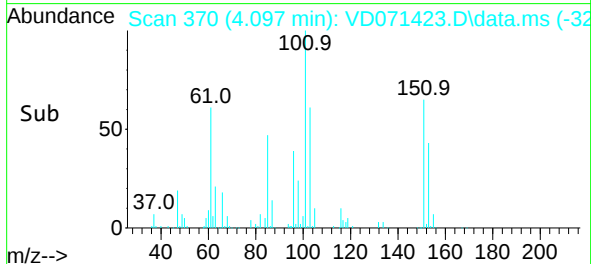
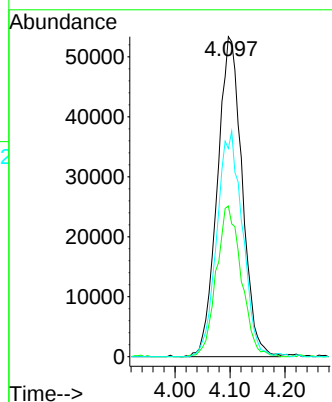
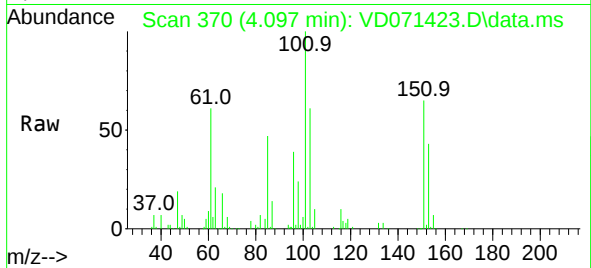
#9
1,1,2-Trichlorotrifluoroethane
Concen: 54.849 ug/l
RT: 4.097 min Scan# 31
Delta R.T. -0.006 min
Lab File: VD071423.D
Acq: 21 Dec 2021 21:03

Instrument :
MSVOA_D
ClientSampleId :
HB-2-(20-25)-12-17-21MSD

Tgt Ion:101 Resp: 167390
Ion Ratio Lower Upper
101 100
85 47.3 34.8 52.2
151 72.5 60.4 90.6

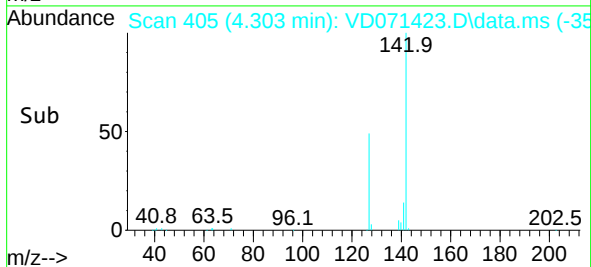
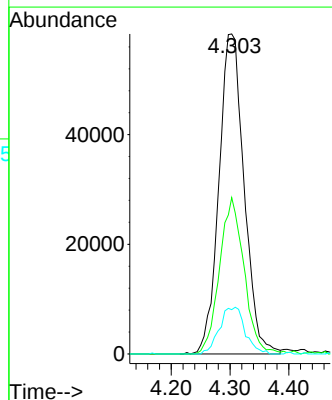
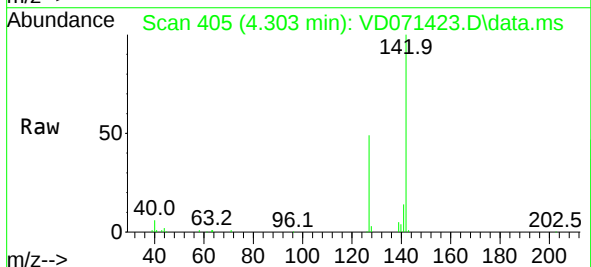
Manual Integrations
APPROVED

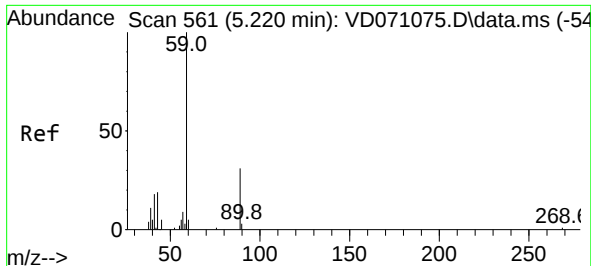
Reviewed By :Semsettin Yesilyurt 12/22/2021
Supervised By :Amit Patel 12/24/2021



#10
Methyl Iodide
Concen: 49.023 ug/l
RT: 4.303 min Scan# 405
Delta R.T. -0.000 min
Lab File: VD071423.D
Acq: 21 Dec 2021 21:03

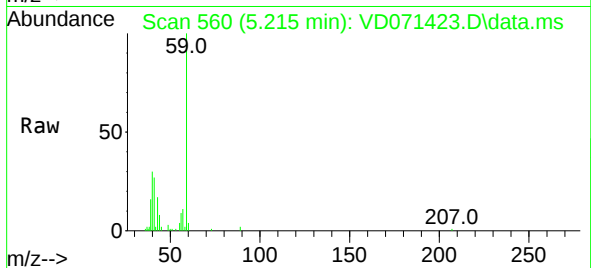
Tgt Ion:142 Resp: 173574
Ion Ratio Lower Upper
142 100
127 47.6 35.0 52.4
141 14.8 12.0 18.0





#11
Tert butyl alcohol
Concen: 243.788 ug/l
RT: 5.215 min Scan# 561
Delta R.T. -0.005 min
Lab File: VD071423.D
Acq: 21 Dec 2021 21:03

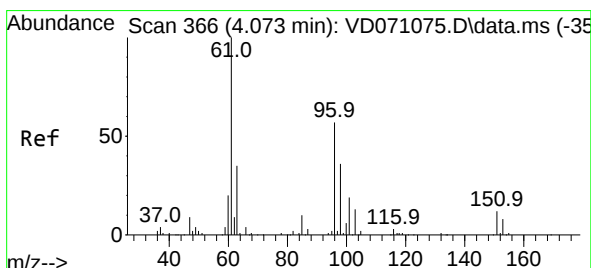
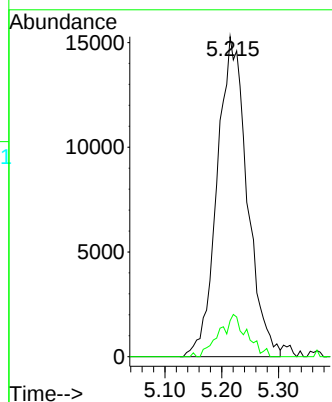
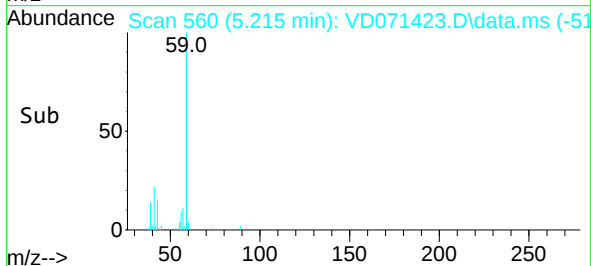
Instrument :
MSVOA_D
ClientSampleId :
HB-2-(20-25)-12-17-21MSD



Tgt Ion: 59 Resp: 56108
Ion Ratio Lower Upper
59 100
57 12.0 9.0 13.4

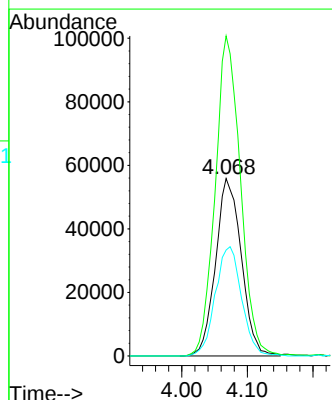
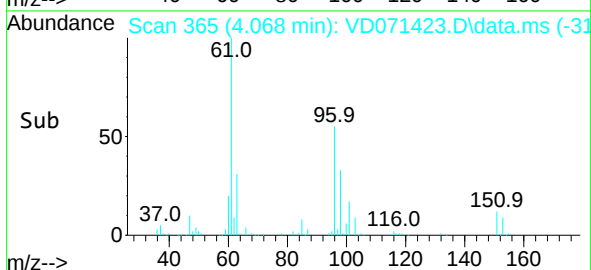
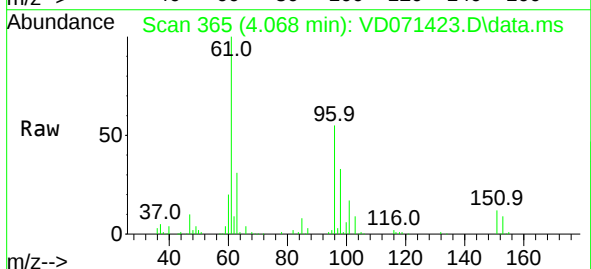
Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 12/22/2021
Supervised By :Amit Patel 12/24/2021



#12
1,1-Dichloroethene
Concen: 53.983 ug/l
RT: 4.068 min Scan# 365
Delta R.T. -0.005 min
Lab File: VD071423.D
Acq: 21 Dec 2021 21:03

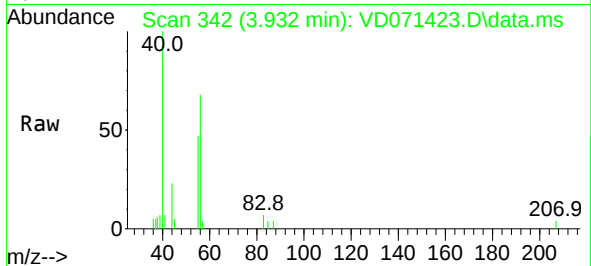
Tgt Ion: 96 Resp: 152035
Ion Ratio Lower Upper
96 100
61 180.4 120.3 180.5
98 59.7 54.4 81.6





#13
Acrolein
Concen: 27.653 ug/l
RT: 3.932 min Scan# 341
Delta R.T. 0.006 min
Lab File: VD071423.D
Acq: 21 Dec 2021 21:03

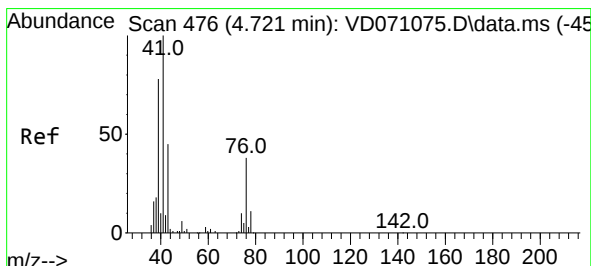
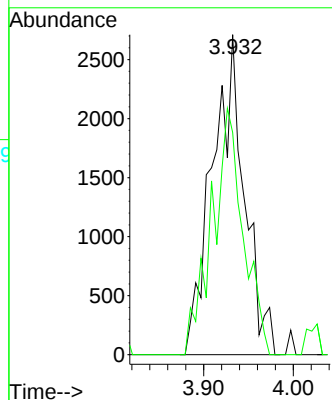
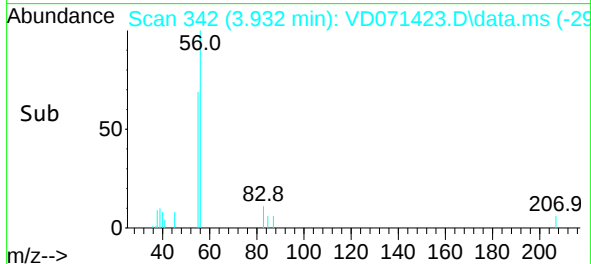
Instrument :
MSVOA_D
ClientSampleId :
HB-2-(20-25)-12-17-21MSD



Tgt Ion: 56 Resp: 672
Ion Ratio Lower Upper
56 100
55 74.9 58.6 87.8

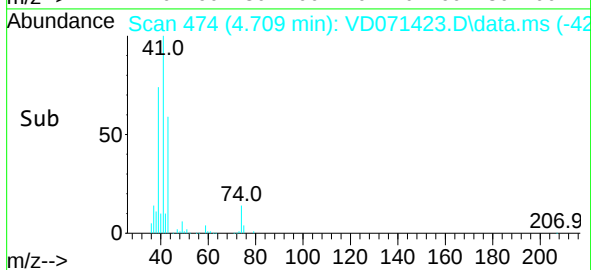
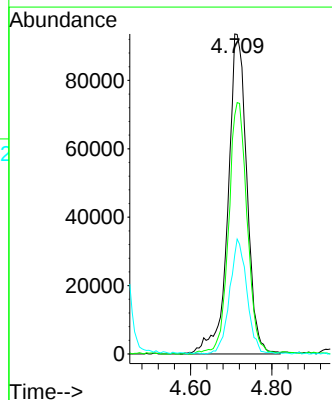
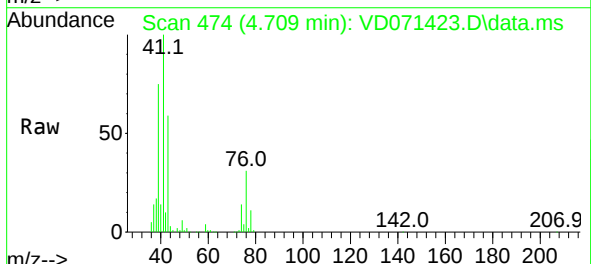
Manual Integrations
APPROVED

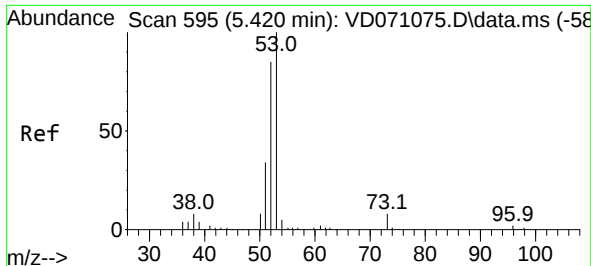
Reviewed By :Semsettin Yesilyurt 12/22/2021
Supervised By :Amit Patel 12/24/2021



#14
Allyl chloride
Concen: 56.520 ug/l
RT: 4.709 min Scan# 474
Delta R.T. -0.012 min
Lab File: VD071423.D
Acq: 21 Dec 2021 21:03

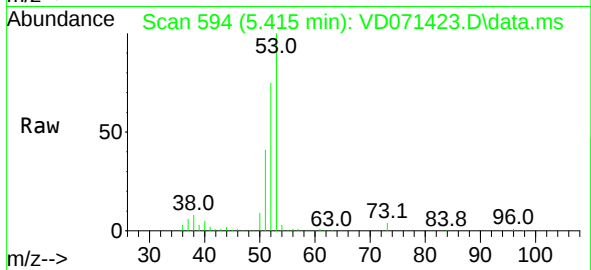
Tgt Ion: 41 Resp: 302352
Ion Ratio Lower Upper
41 100
39 76.8 45.6 68.4#
76 32.9 30.2 45.4





#15
Acrylonitrile
Concen: 355.194 ug/l
RT: 5.415 min Scan# 595
Delta R.T. -0.005 min
Lab File: VD071423.D
Acq: 21 Dec 2021 21:03

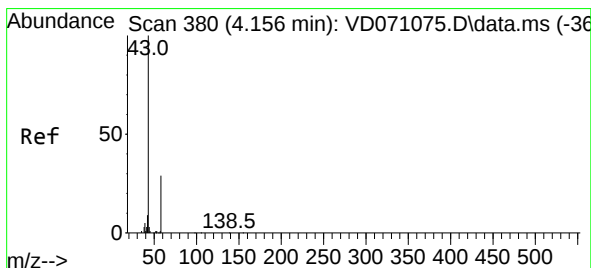
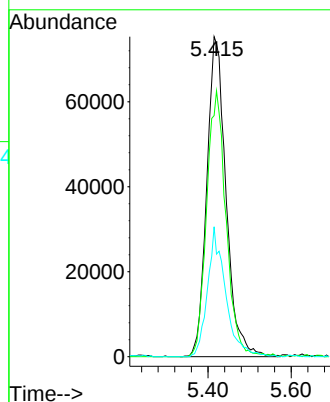
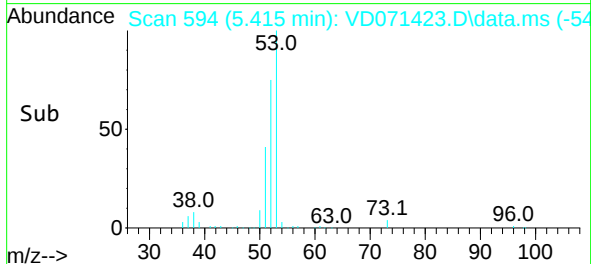
Instrument : MSVOA_D
ClientSampleId : HB-2-(20-25)-12-17-21MSD



Tgt Ion: 53 Resp: 242243
Ion Ratio Lower Upper
53 100
52 83.5 63.8 95.8
51 38.0 28.5 42.7

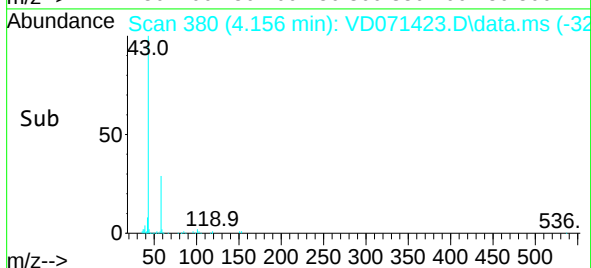
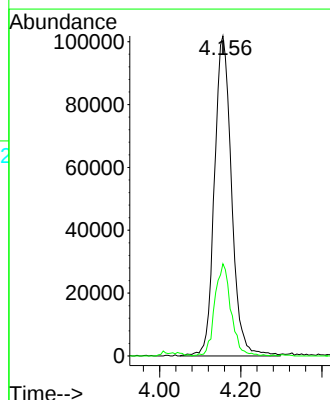
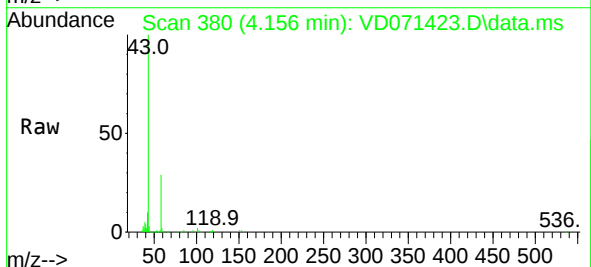
Manual Integrations
APPROVED

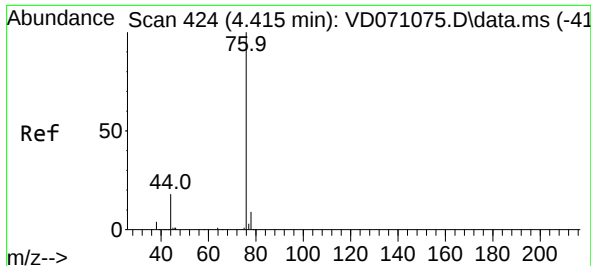
Reviewed By :Semsettin Yesilyurt 12/22/2021
Supervised By :Amit Patel 12/24/2021



#16
Acetone
Concen: 307.043 ug/l
RT: 4.156 min Scan# 380
Delta R.T. -0.000 min
Lab File: VD071423.D
Acq: 21 Dec 2021 21:03

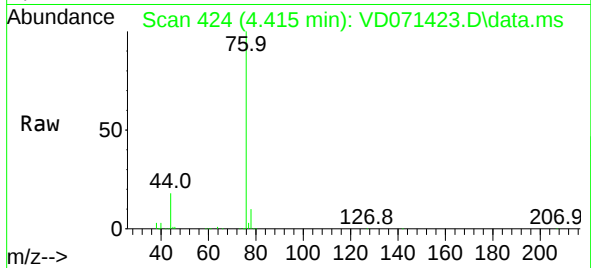
Tgt Ion: 43 Resp: 297809
Ion Ratio Lower Upper
43 100
58 28.5 27.8 41.8





#17
Carbon Disulfide
Concen: 47.381 ug/l
RT: 4.415 min Scan# 41
Delta R.T. -0.000 min
Lab File: VD071423.D
Acq: 21 Dec 2021 21:03

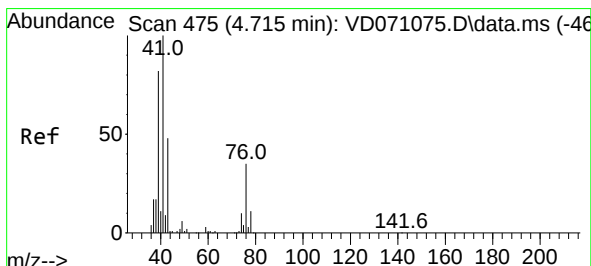
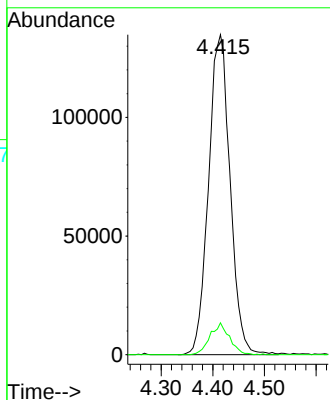
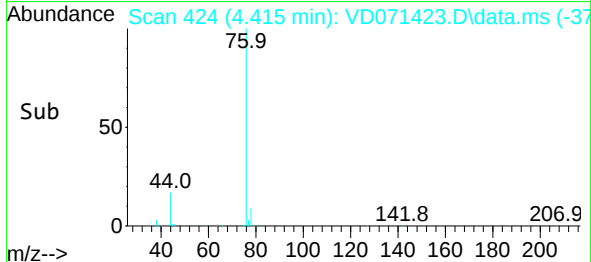
Instrument :
MSVOA_D
ClientSampleId :
HB-2-(20-25)-12-17-21MSD



Tgt Ion: 76 Resp: 39069
Ion Ratio Lower Upper
76 100
78 9.9 7.8 11.8

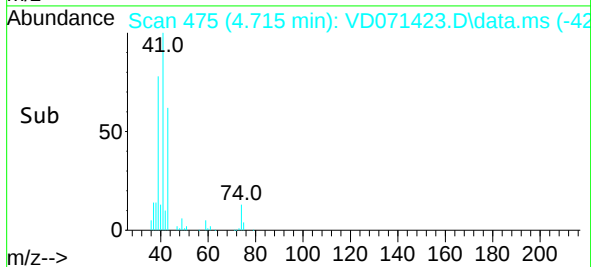
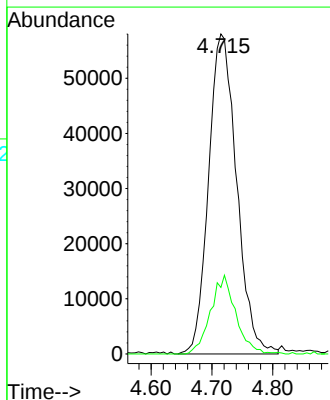
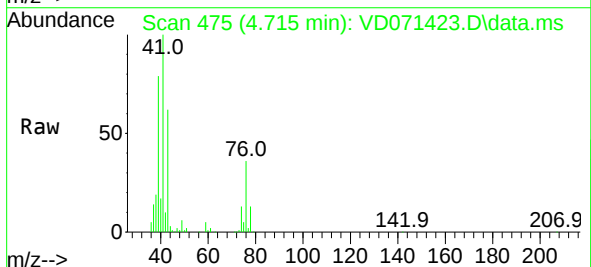
Manual Integrations
APPROVED

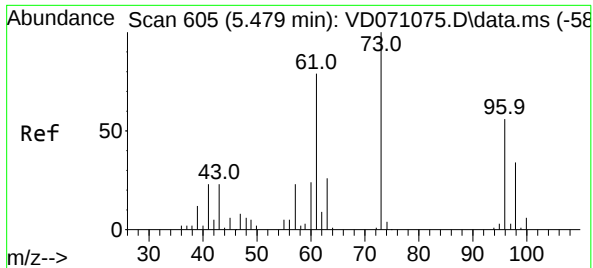
Reviewed By :Semsettin Yesilyurt 12/22/2021
Supervised By :Amit Patel 12/24/2021



#18
Methyl Acetate
Concen: 70.717 ug/l
RT: 4.715 min Scan# 475
Delta R.T. -0.000 min
Lab File: VD071423.D
Acq: 21 Dec 2021 21:03

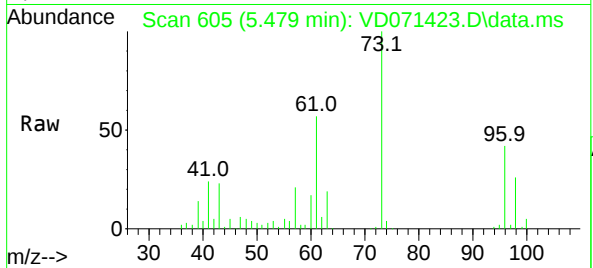
Tgt Ion: 43 Resp: 185736
Ion Ratio Lower Upper
43 100
74 22.1 19.3 28.9





#19
Methyl tert-butyl Ether
Concen: 67.584 ug/l
RT: 5.479 min Scan# 605
Delta R.T. 0.000 min
Lab File: VD071423.D
Acq: 21 Dec 2021 21:03

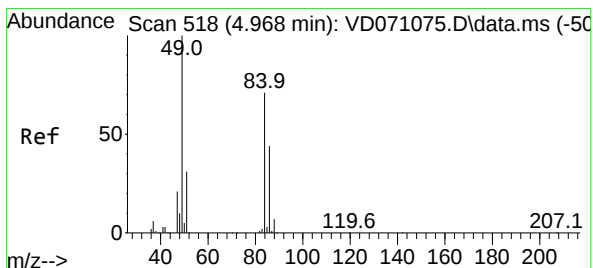
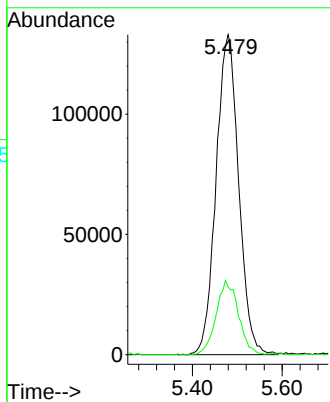
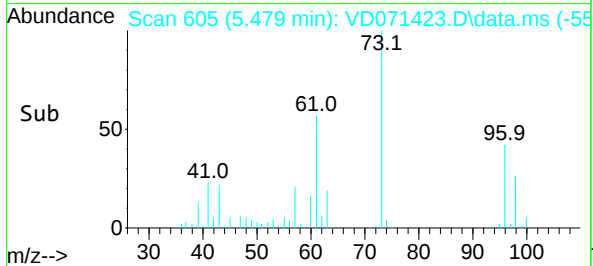
Instrument :
MSVOA_D
ClientSampleId :
HB-2-(20-25)-12-17-21MSD



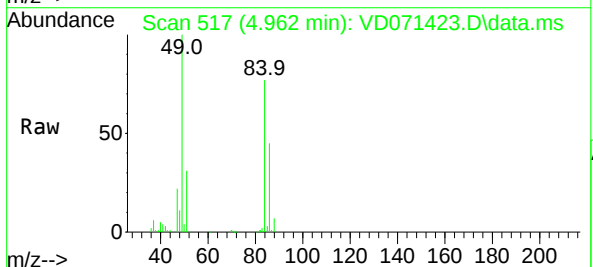
Tgt Ion: 73 Resp: 466470
Ion Ratio Lower Upper
73 100
57 21.0 18.9 28.3

Manual Integrations
APPROVED

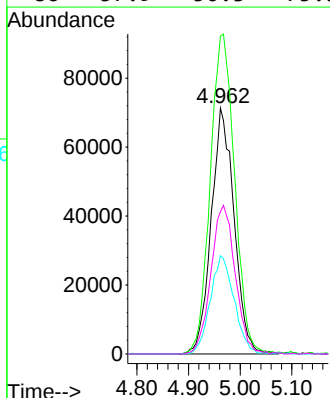
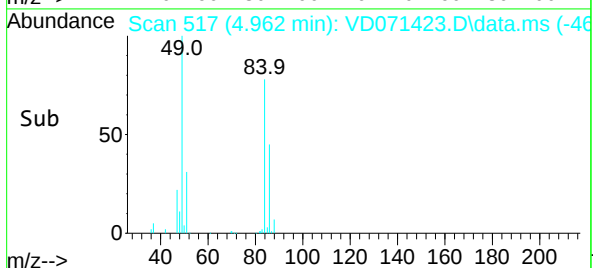
Reviewed By :Semsettin Yesilyurt 12/22/2021
Supervised By :Amit Patel 12/24/2021

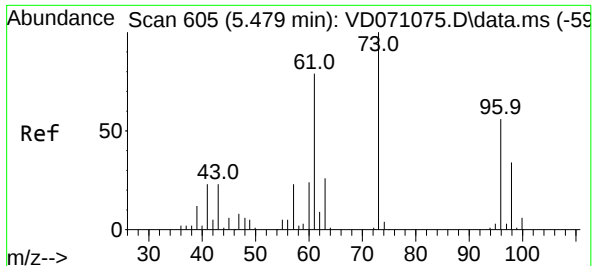


#20
Methylene Chloride
Concen: 62.136 ug/l
RT: 4.962 min Scan# 517
Delta R.T. -0.006 min
Lab File: VD071423.D
Acq: 21 Dec 2021 21:03



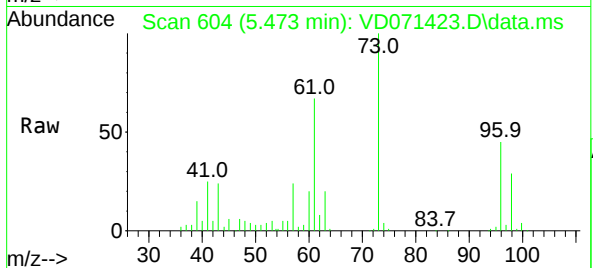
Tgt Ion: 84 Resp: 219563
Ion Ratio Lower Upper
84 100
49 129.2 95.8 143.6
51 40.0 30.9 46.3
86 57.9 50.3 75.5





#21
trans-1,2-Dichloroethene
Concen: 55.773 ug/l
RT: 5.473 min Scan# 605
Delta R.T. -0.006 min
Lab File: VD071423.D
Acq: 21 Dec 2021 21:03

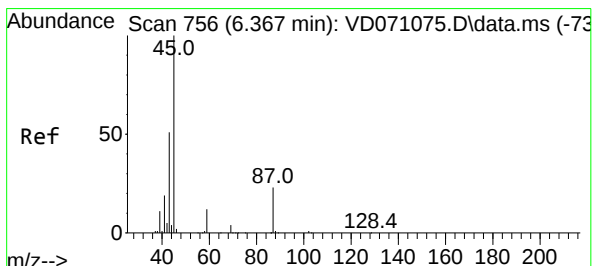
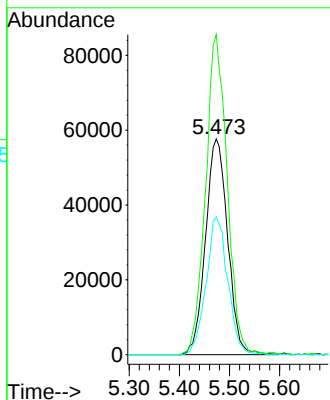
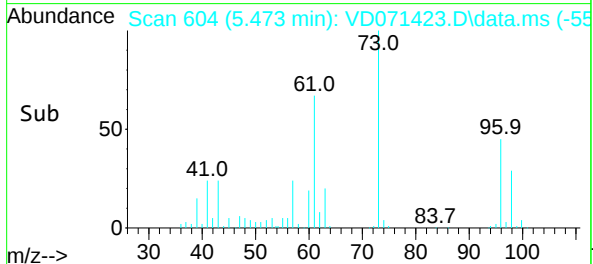
Instrument :
MSVOA_D
ClientSampleId :
HB-2-(20-25)-12-17-21MSD



Tgt Ion: 96 Resp: 176818
Ion Ratio Lower Upper
96 100
61 148.3 102.1 153.1
98 63.8 50.1 75.1

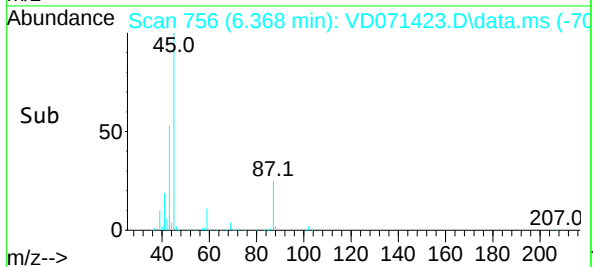
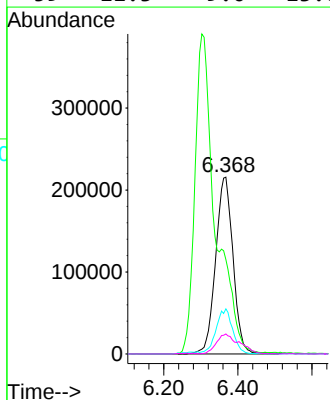
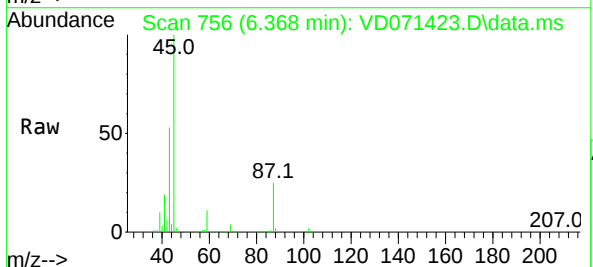
Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 12/22/2021
Supervised By :Amit Patel 12/24/2021



#22
Diisopropyl ether
Concen: 65.739 ug/l
RT: 6.368 min Scan# 756
Delta R.T. 0.001 min
Lab File: VD071423.D
Acq: 21 Dec 2021 21:03

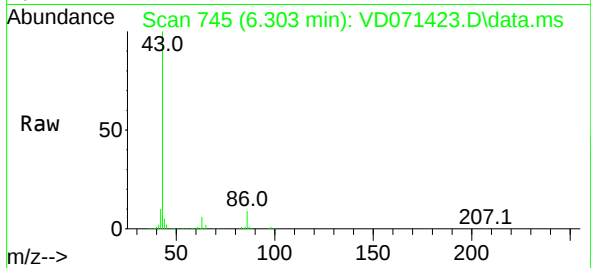
Tgt Ion: 45 Resp: 704587
Ion Ratio Lower Upper
45 100
43 53.1 39.6 59.4
87 25.5 21.2 31.8
59 11.3 9.0 13.6





#23
 Vinyl Acetate
 Concen: 259.008 ug/l
 RT: 6.303 min Scan# 746
 Delta R.T. -0.006 min
 Lab File: VD071423.D
 Acq: 21 Dec 2021 21:03

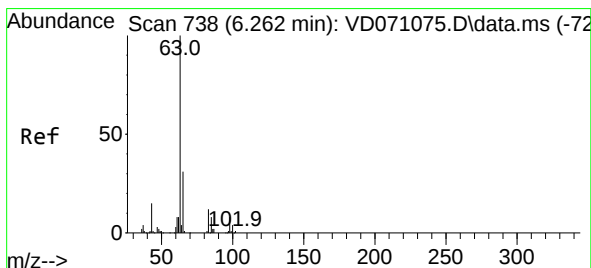
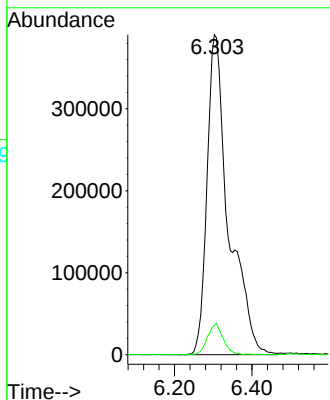
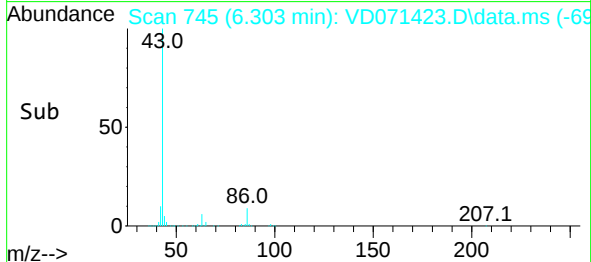
Instrument :
 MSVOA_D
 ClientSampleId :
 HB-2-(20-25)-12-17-21MSD



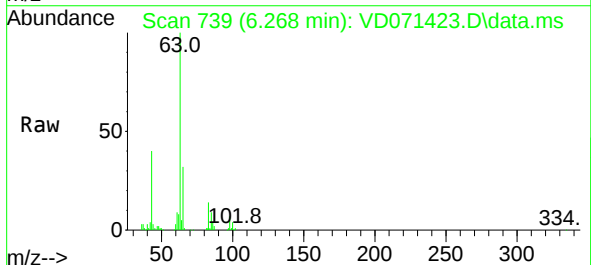
Tgt Ion: 43 Resp: 1507580
 Ion Ratio Lower Upper
 43 100
 86 9.1 8.2 12.4

Manual Integrations
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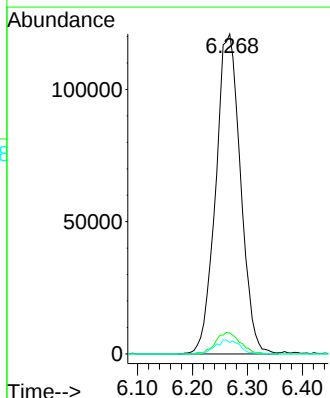
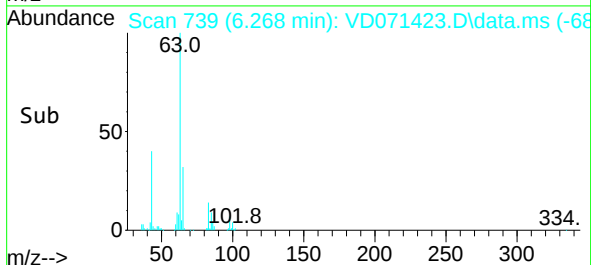
Reviewed By :Semsettin Yesilyurt 12/22/2021
 Supervised By :Amit Patel 12/24/2021

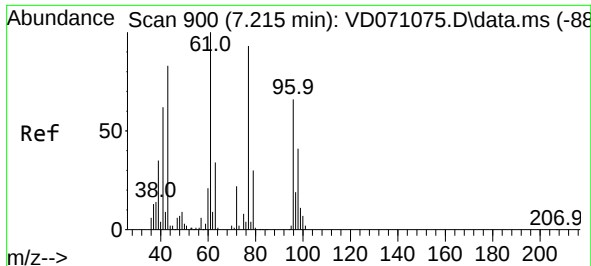


#24
 1,1-Dichloroethane
 Concen: 61.602 ug/l
 RT: 6.268 min Scan# 739
 Delta R.T. 0.006 min
 Lab File: VD071423.D
 Acq: 21 Dec 2021 21:03



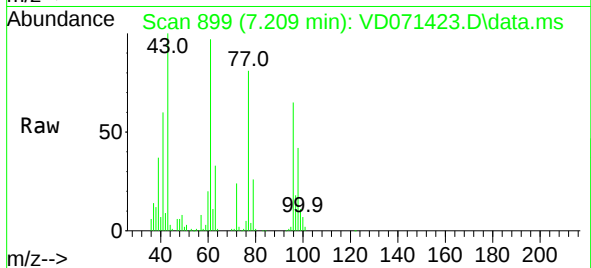
Tgt Ion: 63 Resp: 379760
 Ion Ratio Lower Upper
 63 100
 98 6.6 3.5 10.6
 100 3.7 2.1 6.3





#25
2-Butanone
Concen: 303.141 ug/l
RT: 7.209 min Scan# 899
Delta R.T. -0.006 min
Lab File: VD071423.D
Acq: 21 Dec 2021 21:03

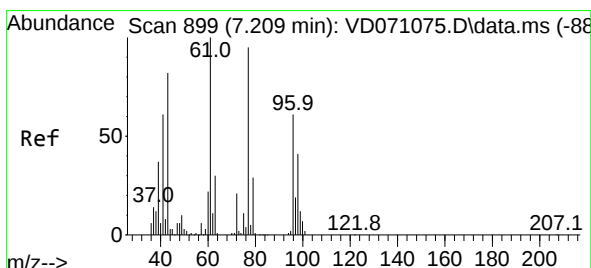
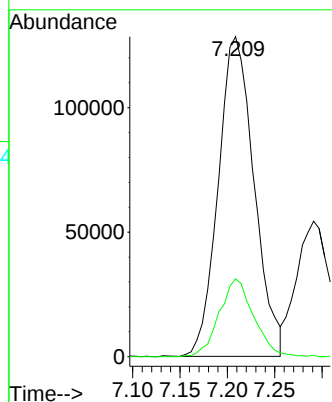
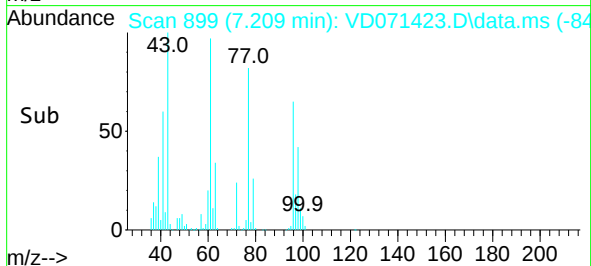
Instrument : MSVOA_D
ClientSampleId : HB-2-(20-25)-12-17-21MSD



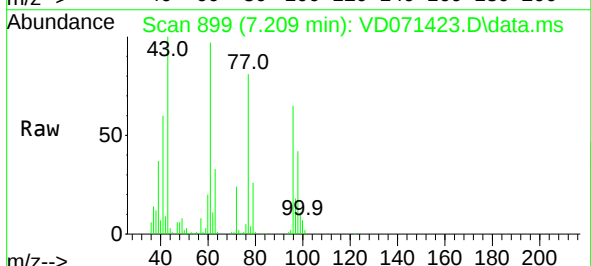
Tgt Ion: 43 Resp: 338372
Ion Ratio Lower Upper
43 100
72 24.4 23.8 35.6

Manual Integrations
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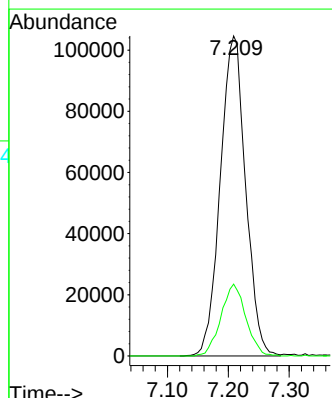
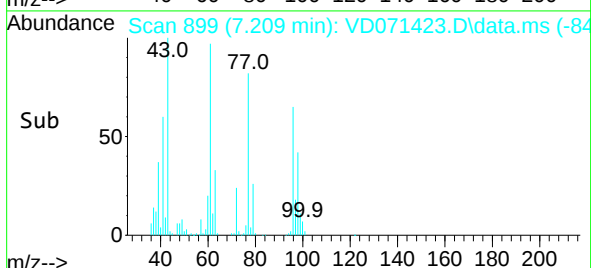
Reviewed By :Semsettin Yesilyurt 12/22/2021
Supervised By :Amit Patel 12/24/2021

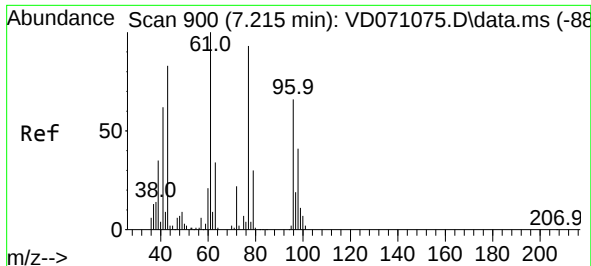


#26
2,2-Dichloropropane
Concen: 53.909 ug/l
RT: 7.209 min Scan# 899
Delta R.T. -0.000 min
Lab File: VD071423.D
Acq: 21 Dec 2021 21:03



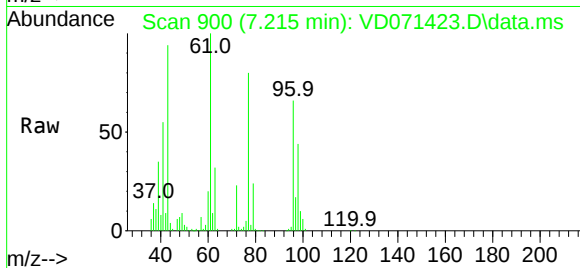
Tgt Ion: 77 Resp: 302197
Ion Ratio Lower Upper
77 100
97 22.1 11.9 35.5





#27
 cis-1,2-Dichloroethene
 Concen: 61.834 ug/l
 RT: 7.215 min Scan# 900
 Delta R.T. -0.000 min
 Lab File: VD071423.D
 Acq: 21 Dec 2021 21:03

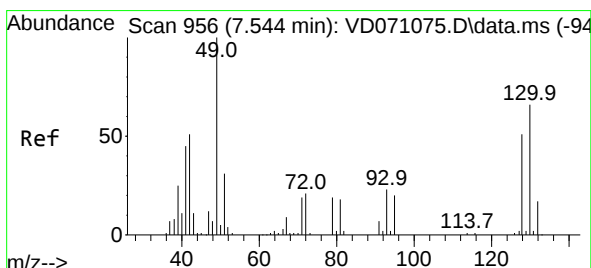
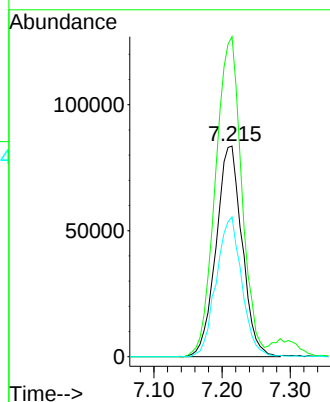
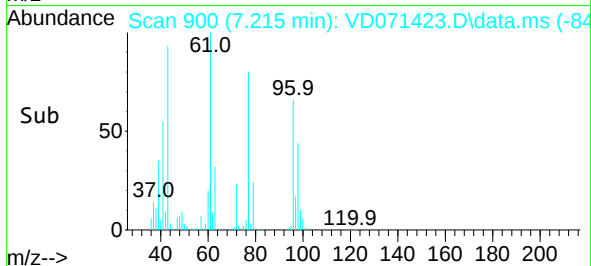
Instrument :
 MSVOA_D
 ClientSampleId :
 HB-2-(20-25)-12-17-21MSD



Tgt Ion: 96 Resp: 221770
 Ion Ratio Lower Upper
 96 100
 61 153.3 0.0 288.6
 98 65.2 0.0 129.2

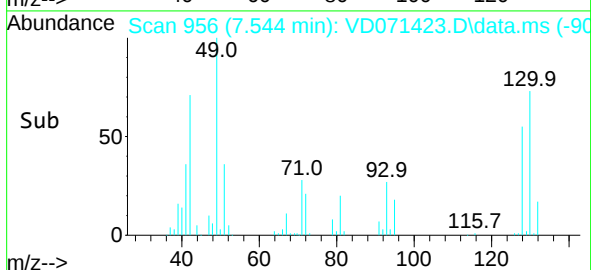
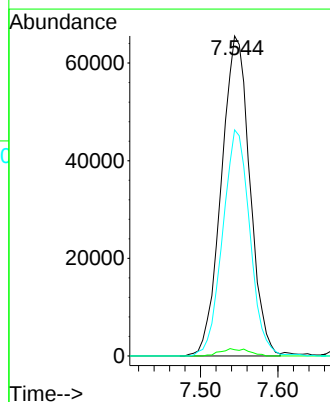
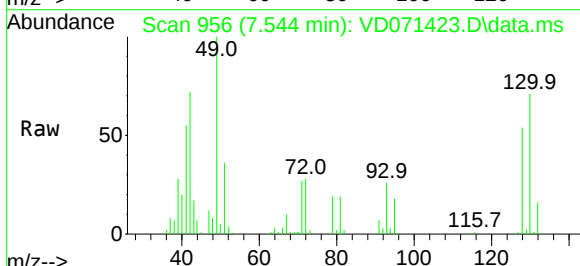
Manual Integrations
 APPROVED

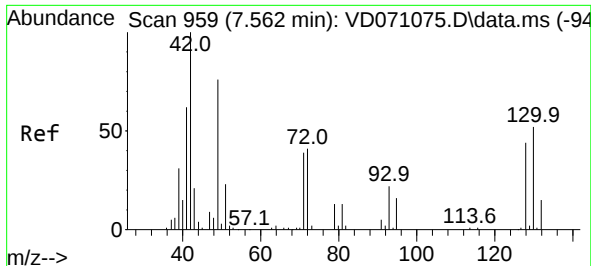
Reviewed By :Semsettin Yesilyurt 12/22/2021
 Supervised By :Amit Patel 12/24/2021



#28
 Bromochloromethane
 Concen: 62.564 ug/l
 RT: 7.544 min Scan# 956
 Delta R.T. -0.000 min
 Lab File: VD071423.D
 Acq: 21 Dec 2021 21:03

Tgt Ion: 49 Resp: 167520
 Ion Ratio Lower Upper
 49 100
 129 2.3 0.0 4.0
 130 67.8 60.2 90.2





#29

Tetrahydrofuran

Concen: 358.208 ug/l

RT: 7.562 min Scan# 91

Delta R.T. -0.000 min

Lab File: VD071423.D

Acq: 21 Dec 2021 21:03

Instrument :

MSVOA_D

ClientSampleId :

HB-2-(20-25)-12-17-21MSD

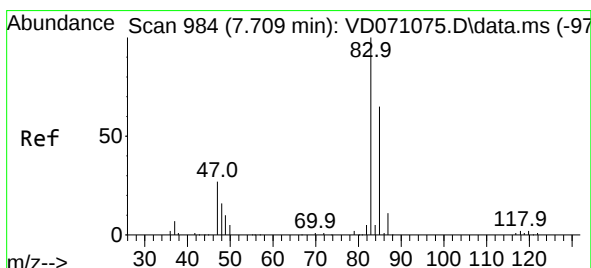
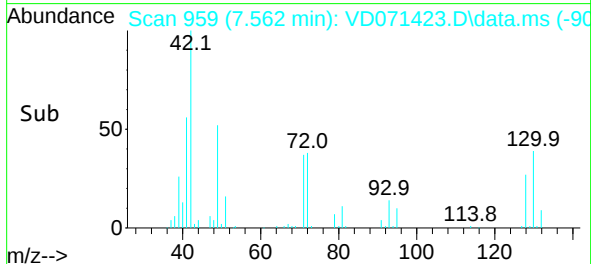
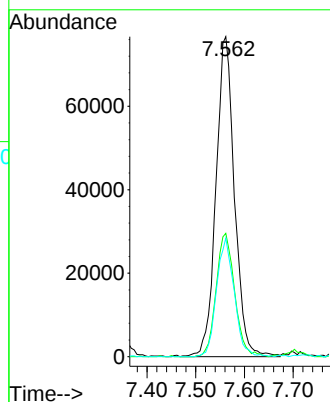
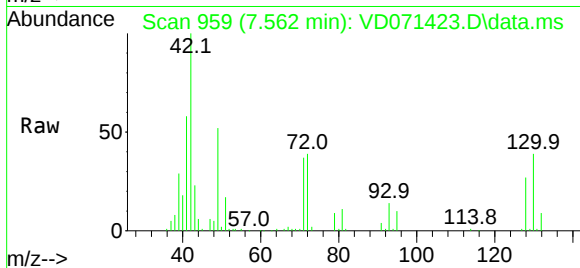
Tgt Ion: 42 Resp: 202480

Ion	Ratio	Lower	Upper
42	100		
72	38.6	33.7	50.5
71	35.5	32.7	49.1

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 12/22/2021
Supervised By :Amit Patel 12/24/2021



#30

Chloroform

Concen: 63.451 ug/l

RT: 7.709 min Scan# 984

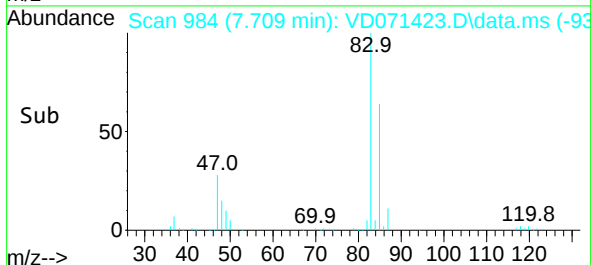
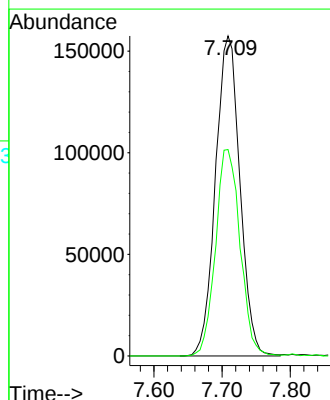
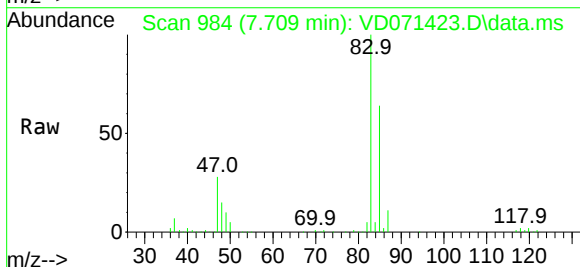
Delta R.T. -0.000 min

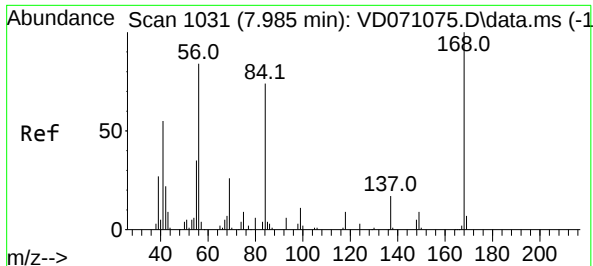
Lab File: VD071423.D

Acq: 21 Dec 2021 21:03

Tgt Ion: 83 Resp: 392561

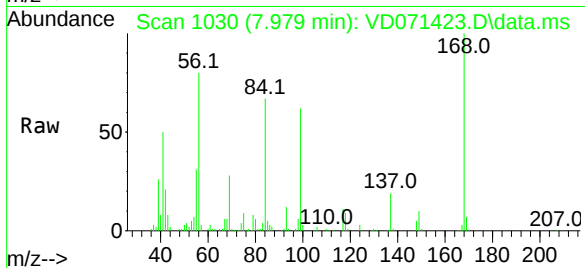
Ion	Ratio	Lower	Upper
83	100		
85	64.5	51.0	76.6





#31
Cyclohexane
Concen: 45.050 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.006 min
Lab File: VD071423.D
Acq: 21 Dec 2021 21:03

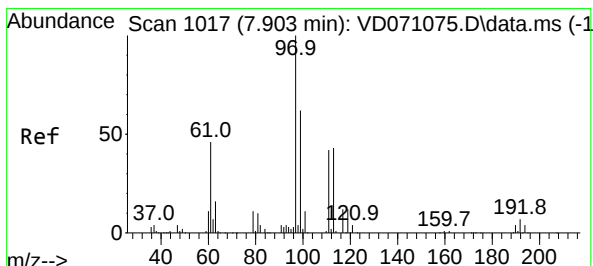
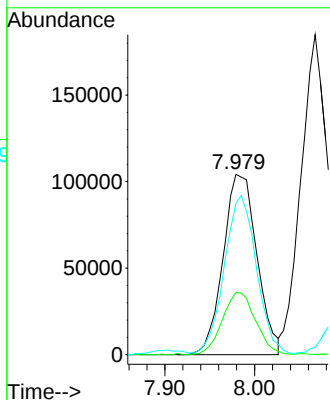
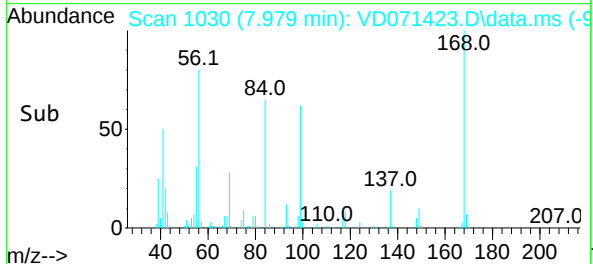
Instrument :
MSVOA_D
ClientSampleId :
HB-2-(20-25)-12-17-21MSD



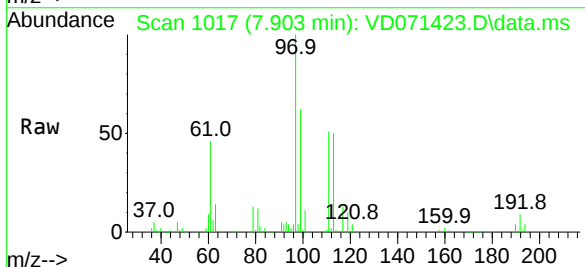
Tgt Ion: 56 Resp: 272783
Ion Ratio Lower Upper
56 100
69 33.8 25.9 38.9
84 81.8 64.3 96.5

Manual Integrations
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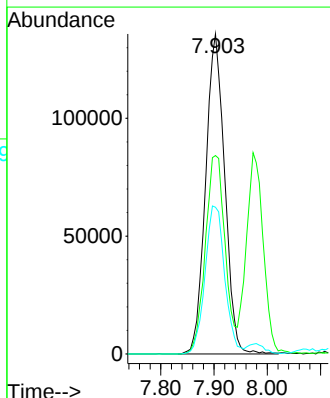
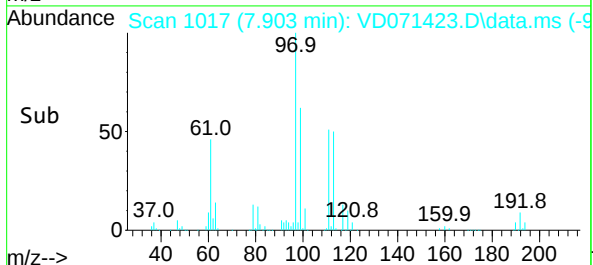
Reviewed By :Semsettin Yesilyurt 12/22/2021
Supervised By :Amit Patel 12/24/2021

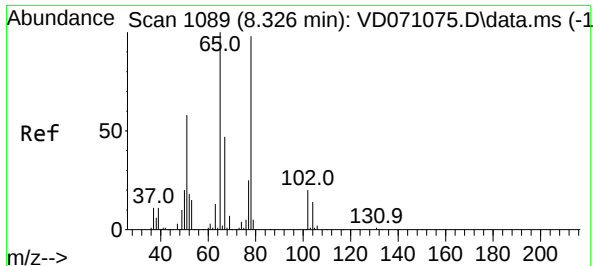


#32
1,1,1-Trichloroethane
Concen: 60.819 ug/l
RT: 7.903 min Scan# 1017
Delta R.T. -0.000 min
Lab File: VD071423.D
Acq: 21 Dec 2021 21:03



Tgt Ion: 97 Resp: 337831
Ion Ratio Lower Upper
97 100
99 64.7 50.3 75.5
61 47.9 33.0 49.4





#33

1,2-Dichloroethane-d4

Concen: 58.129 ug/l

RT: 8.326 min Scan# 1089

Delta R.T. 0.000 min

Lab File: VD071423.D

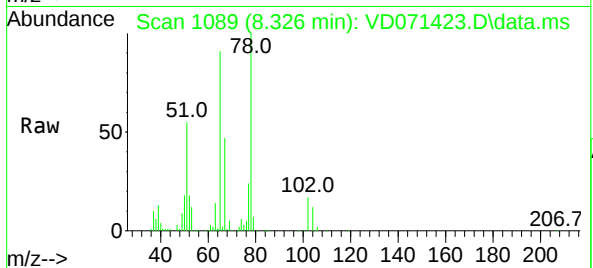
Acq: 21 Dec 2021 21:03

Instrument :

MSVOA_D

ClientSampleId :

HB-2-(20-25)-12-17-21MSD



Tgt Ion: 65 Resp: 206920

Ion Ratio Lower Upper

65 100

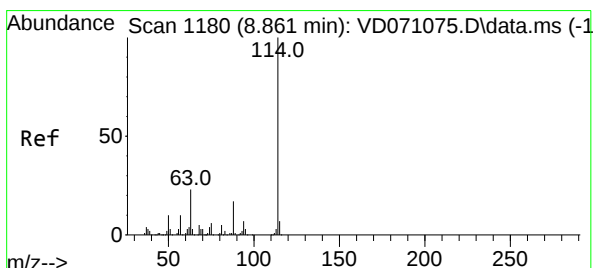
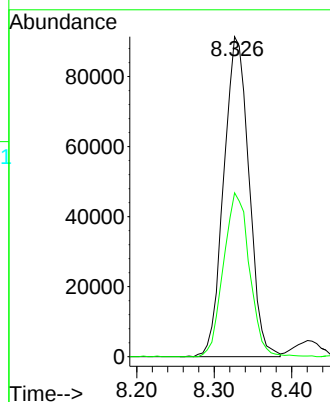
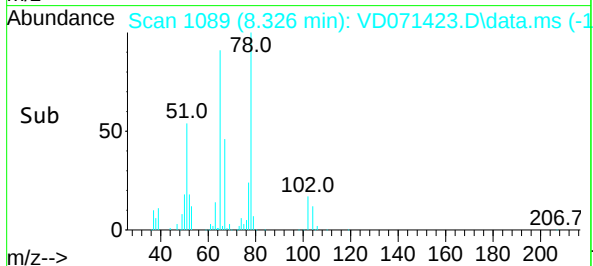
67 52.9 0.0 112.2

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 12/22/2021

Supervised By :Amit Patel 12/24/2021



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.862 min Scan# 1180

Delta R.T. 0.001 min

Lab File: VD071423.D

Acq: 21 Dec 2021 21:03

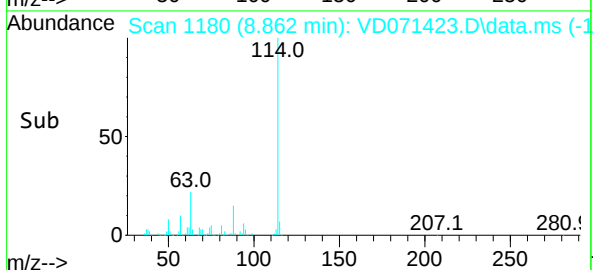
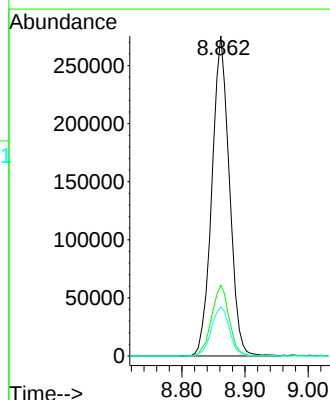
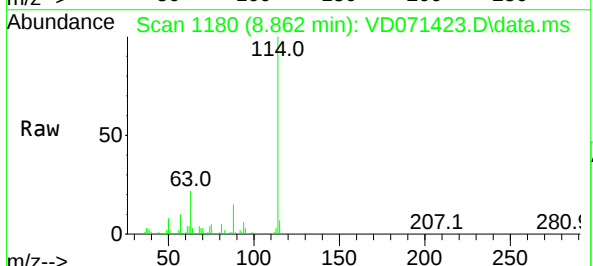
Tgt Ion:114 Resp: 527414

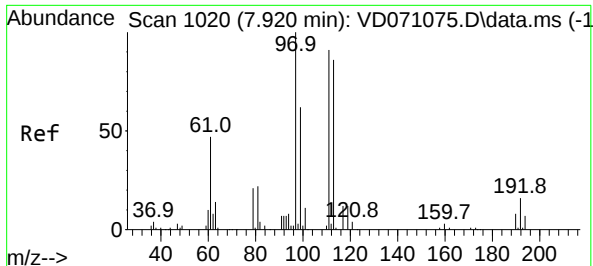
Ion Ratio Lower Upper

114 100

63 22.1 0.0 41.8

88 15.4 0.0 32.8





#35

Dibromofluoromethane

Concen: 58.746 ug/l

RT: 7.915 min Scan# 1019

Delta R.T. -0.005 min

Lab File: VD071423.D

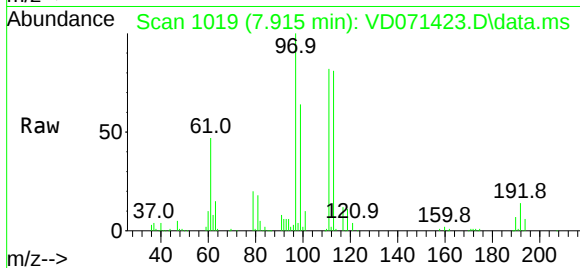
Acq: 21 Dec 2021 21:03

Instrument :

MSVOA_D

ClientSampleId :

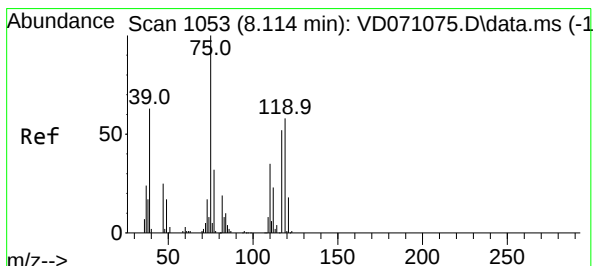
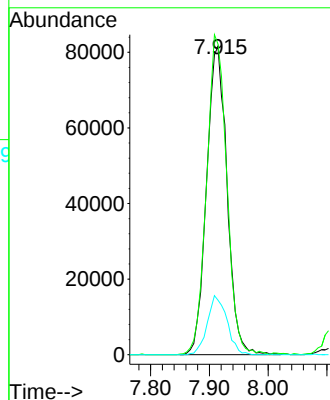
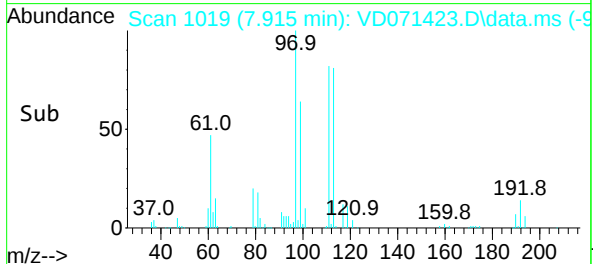
HB-2-(20-25)-12-17-21MSD



Tgt Ion:	113	Resp:	19730
Ion Ratio	Lower	Upper	
113	100		
111	102.4	82.0	123.0
192	18.3	15.2	22.8

Manual Integrations
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Reviewed By :Semsettin Yesilyurt 12/22/2021
Supervised By :Amit Patel 12/24/2021



#36

1,1-Dichloropropene

Concen: 53.501 ug/l

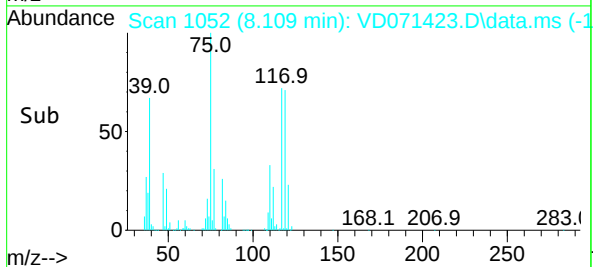
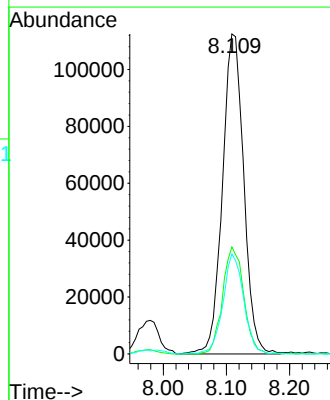
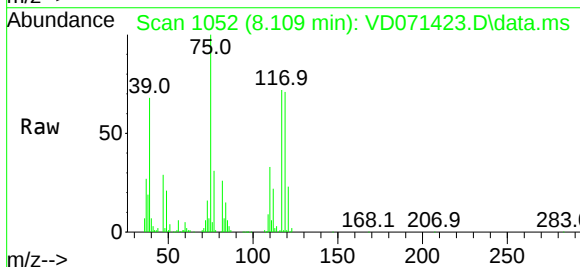
RT: 8.109 min Scan# 1052

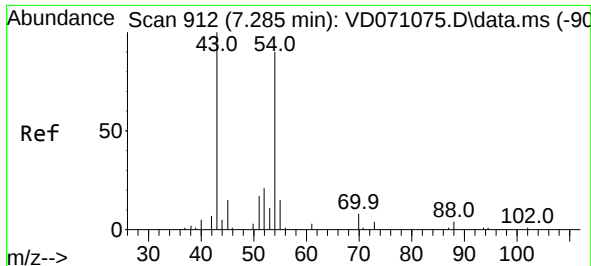
Delta R.T. -0.005 min

Lab File: VD071423.D

Acq: 21 Dec 2021 21:03

Tgt Ion:	75	Resp:	263727
Ion Ratio	Lower	Upper	
75	100		
110	33.1	17.8	53.4
77	30.5	24.8	37.2





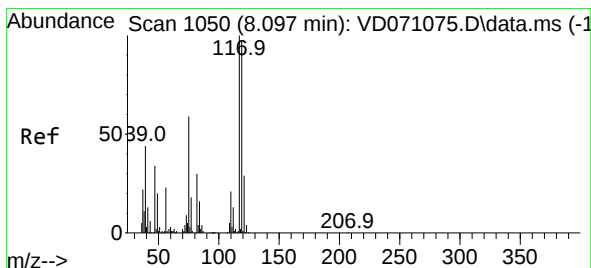
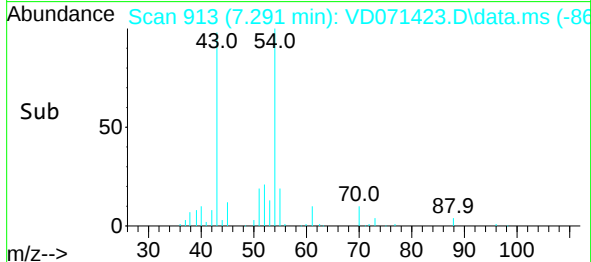
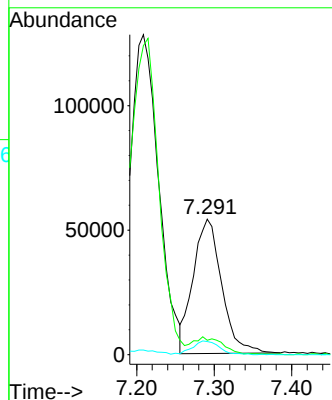
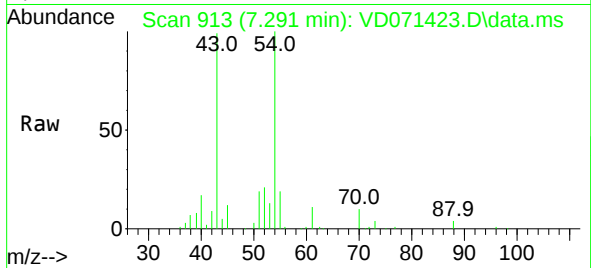
#37
Ethyl Acetate
Concen: 64.782 ug/l
RT: 7.291 min Scan# 912
Delta R.T. 0.006 min
Lab File: VD071423.D
Acq: 21 Dec 2021 21:03

Instrument :
MSVOA_D
ClientSampleId :
HB-2-(20-25)-12-17-21MSD

Tgt Ion: 43 Resp: 13794
Ion Ratio Lower Upper
43 100
61 13.3 13.0 19.6
70 9.7 8.7 13.1

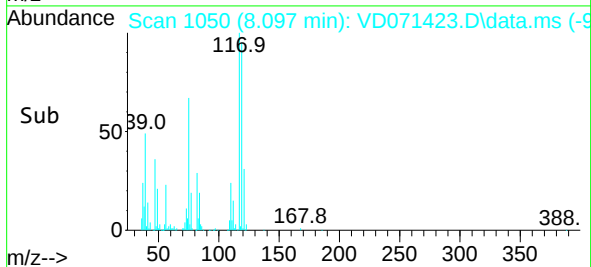
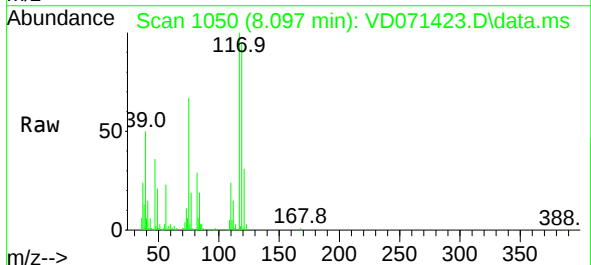
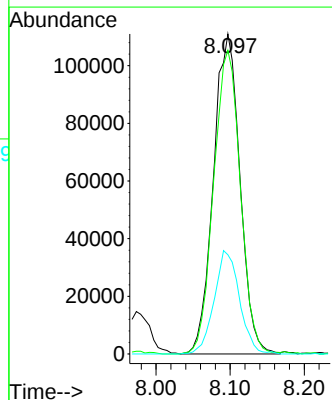
Manual Integrations
APPROVED

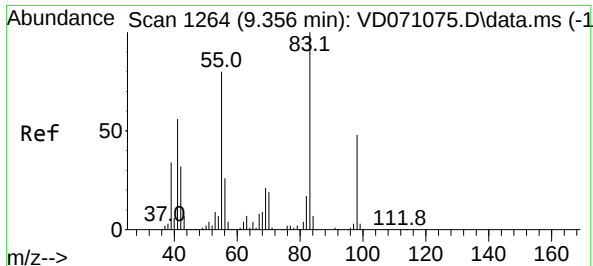
Reviewed By :Semsettin Yesilyurt 12/22/2021
Supervised By :Amit Patel 12/24/2021



#38
Carbon Tetrachloride
Concen: 56.855 ug/l
RT: 8.097 min Scan# 1050
Delta R.T. -0.000 min
Lab File: VD071423.D
Acq: 21 Dec 2021 21:03

Tgt Ion:117 Resp: 276267
Ion Ratio Lower Upper
117 100
119 94.9 75.8 113.6
121 31.0 23.6 35.4





#39

Methylcyclohexane

Concen: 38.812 ug/l

RT: 9.350 min Scan# 11

Delta R.T. -0.006 min

Lab File: VD071423.D

Acq: 21 Dec 2021 21:03

Instrument :

MSVOA_D

ClientSampleId :

HB-2-(20-25)-12-17-21MSD

Tgt Ion: 83 Resp: 230114

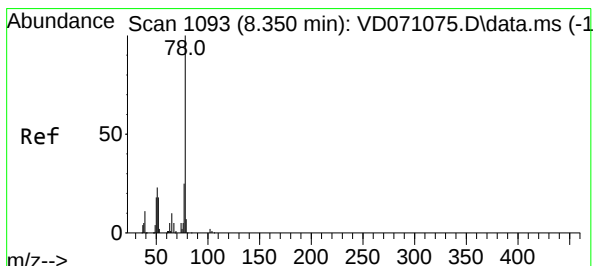
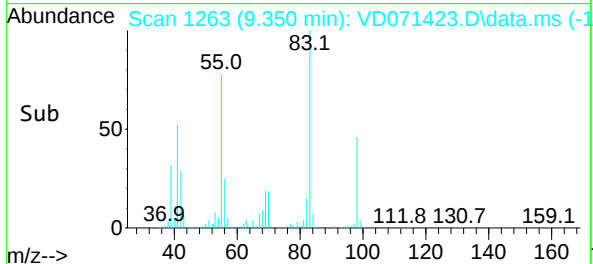
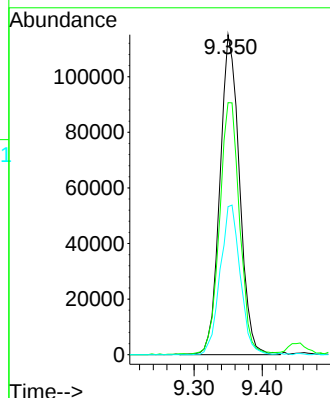
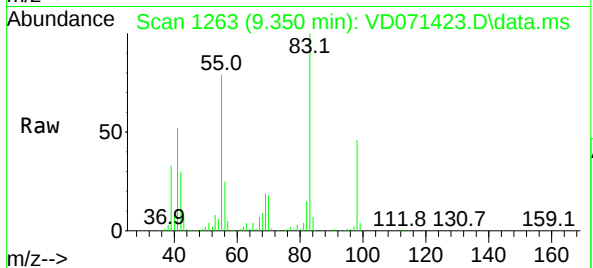
Ion	Ratio	Lower	Upper
83	100		
55	78.4	65.8	98.8
98	46.2	38.7	58.1

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 12/22/2021

Supervised By :Amit Patel 12/24/2021



#40

Benzene

Concen: 56.100 ug/l

RT: 8.350 min Scan# 1093

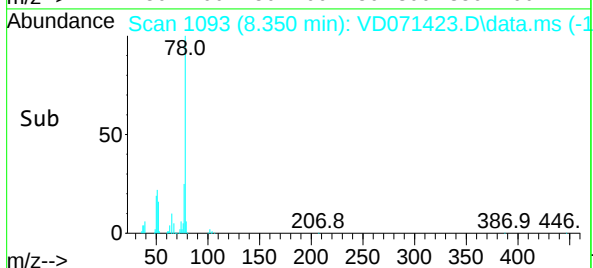
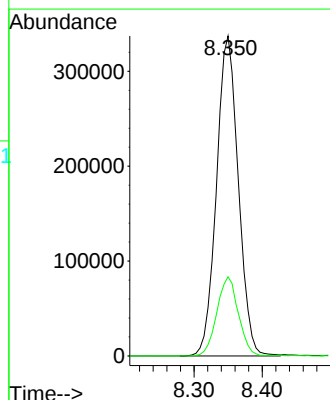
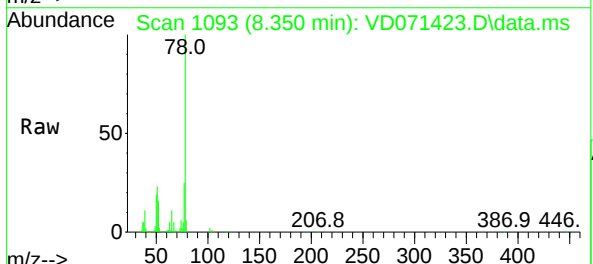
Delta R.T. -0.000 min

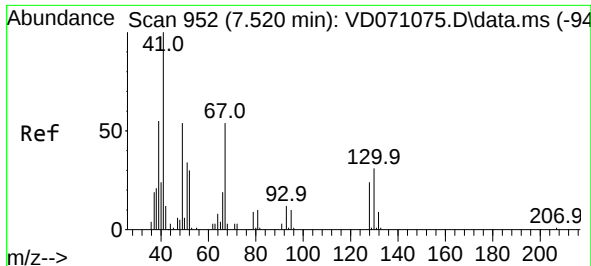
Lab File: VD071423.D

Acq: 21 Dec 2021 21:03

Tgt Ion: 78 Resp: 751150

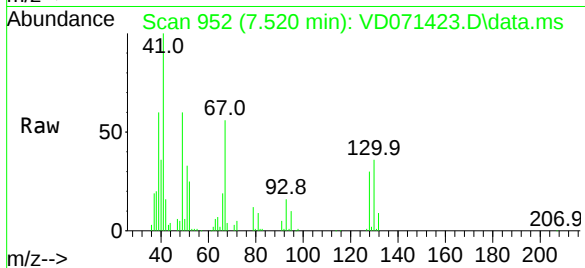
Ion	Ratio	Lower	Upper
78	100		
77	24.8	19.1	28.7





#41
Methacrylonitrile
Concen: 73.700 ug/l
RT: 7.520 min Scan# 911
Delta R.T. 0.000 min
Lab File: VD071423.D
Acq: 21 Dec 2021 21:03

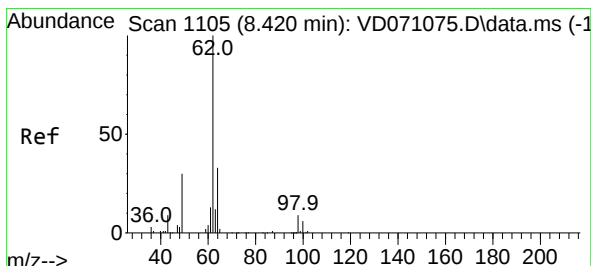
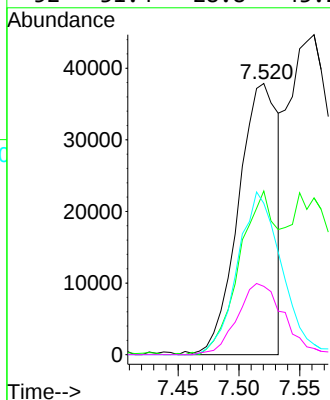
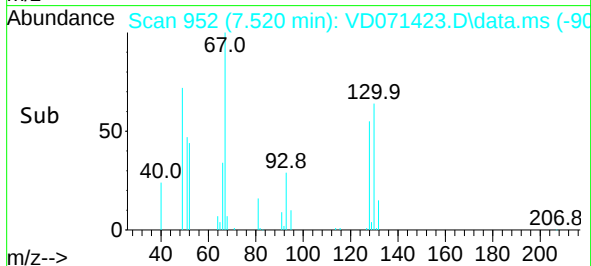
Instrument :
MSVOA_D
ClientSampleId :
HB-2-(20-25)-12-17-21MSD



Tgt Ion	Ratio	Lower	Upper
41	100		
39	56.7	60.2	90.4
67	67.2	74.8	112.2
52	31.4	28.8	43.2

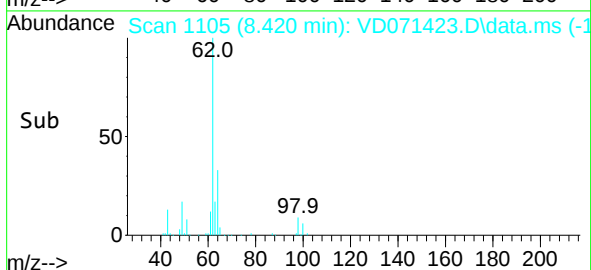
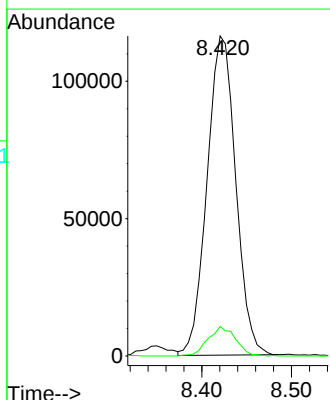
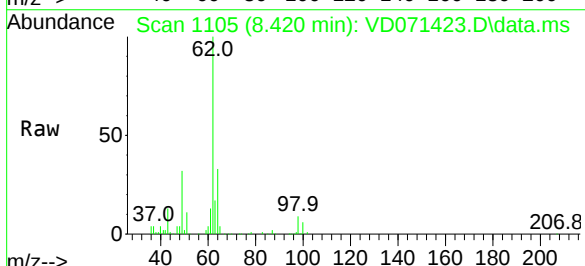
Manual Integrations
APPROVED

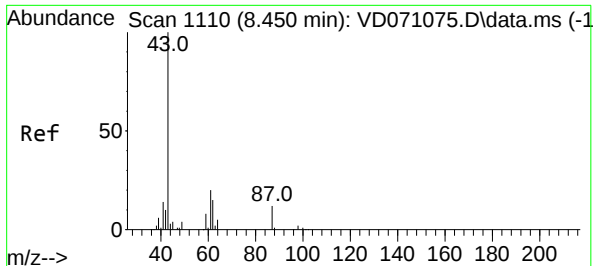
Reviewed By :Semsettin Yesilyurt 12/22/2021
Supervised By :Amit Patel 12/24/2021



#42
1,2-Dichloroethane
Concen: 63.108 ug/l
RT: 8.420 min Scan# 1105
Delta R.T. 0.000 min
Lab File: VD071423.D
Acq: 21 Dec 2021 21:03

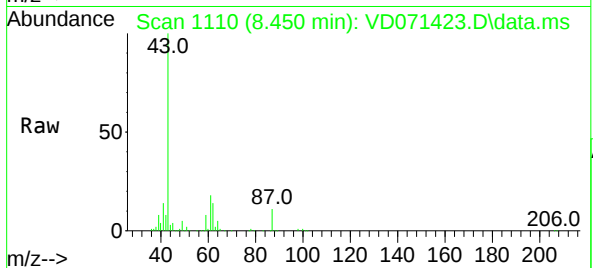
Tgt Ion	Ratio	Lower	Upper
62	100		
98	8.9	0.0	21.8





#43
Isopropyl Acetate
Concen: 58.237 ug/l
RT: 8.450 min Scan# 1110
Delta R.T. -0.000 min
Lab File: VD071423.D
Acq: 21 Dec 2021 21:03

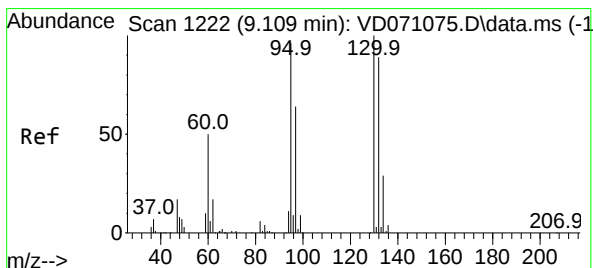
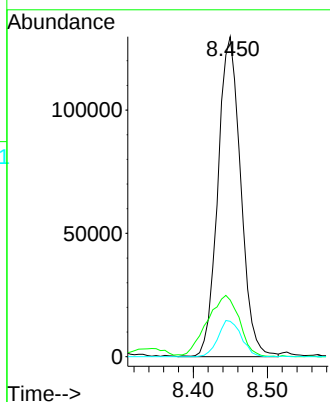
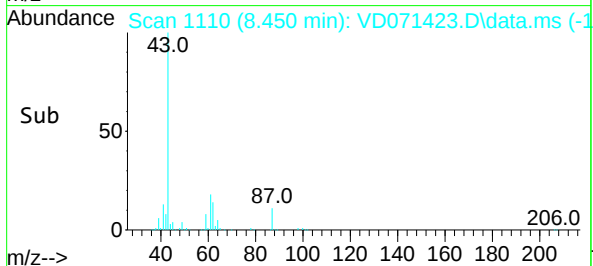
Instrument : MSVOA_D
ClientSampleId : HB-2-(20-25)-12-17-21MSD



Tgt Ion: 43 Resp: 277359
Ion Ratio Lower Upper
43 100
61 27.1 28.2 42.4
87 11.5 10.7 16.1

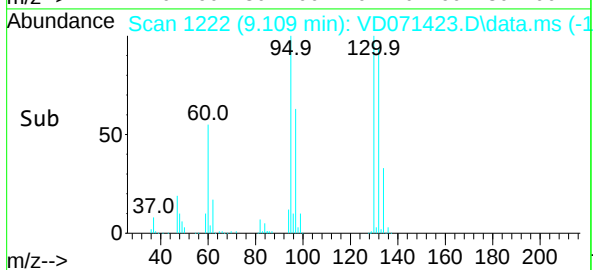
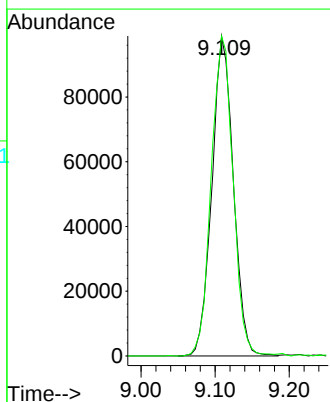
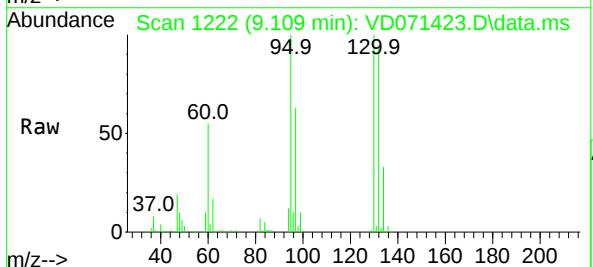
Manual Integrations
APPROVED

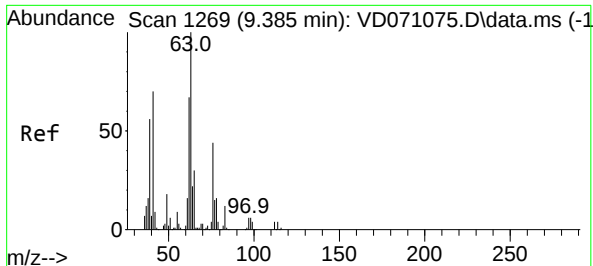
Reviewed By :Semsettin Yesilyurt 12/22/2021
Supervised By :Amit Patel 12/24/2021



#44
Trichloroethene
Concen: 55.667 ug/l
RT: 9.109 min Scan# 1222
Delta R.T. -0.000 min
Lab File: VD071423.D
Acq: 21 Dec 2021 21:03

Tgt Ion:130 Resp: 198732
Ion Ratio Lower Upper
130 100
95 99.9 0.0 193.2





#45

1,2-Dichloropropane

Concen: 60.551 ug/l

RT: 9.385 min Scan# 1269

Delta R.T. 0.000 min

Lab File: VD071423.D

Acq: 21 Dec 2021 21:03

Instrument :

MSVOA_D

ClientSampleId :

HB-2-(20-25)-12-17-21MSD

Tgt Ion: 63 Resp: 21321

Ion Ratio Lower Upper

63 100

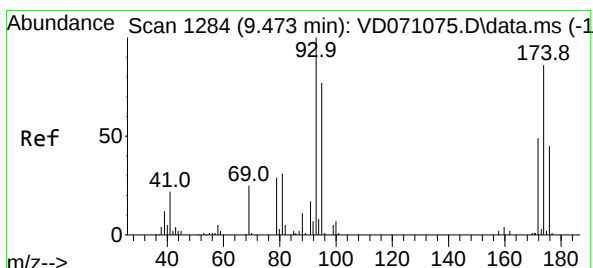
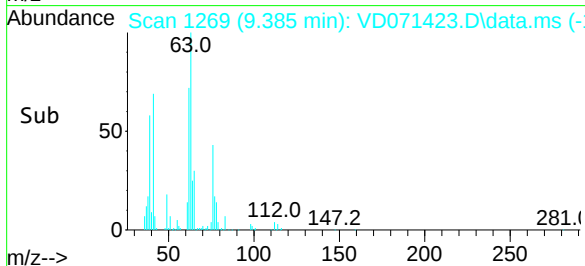
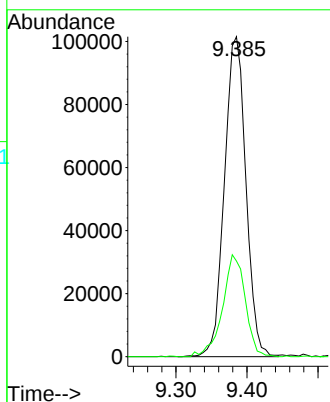
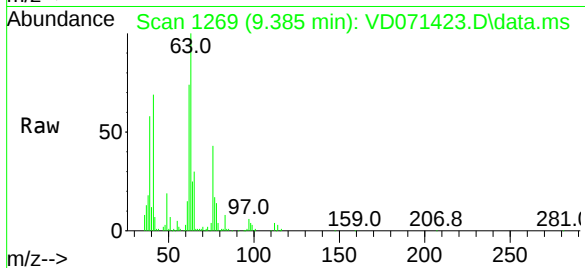
65 29.9 24.2 36.2

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 12/22/2021

Supervised By :Amit Patel 12/24/2021



#46

Dibromomethane

Concen: 64.421 ug/l

RT: 9.473 min Scan# 1284

Delta R.T. 0.000 min

Lab File: VD071423.D

Acq: 21 Dec 2021 21:03

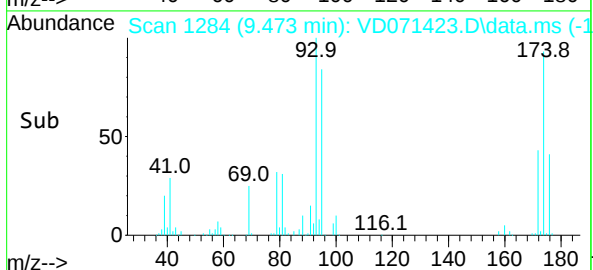
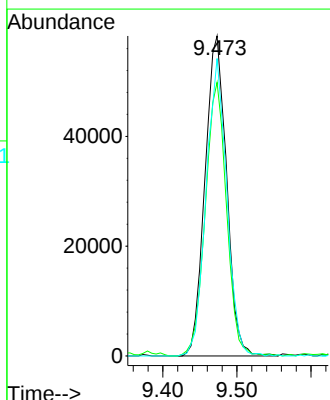
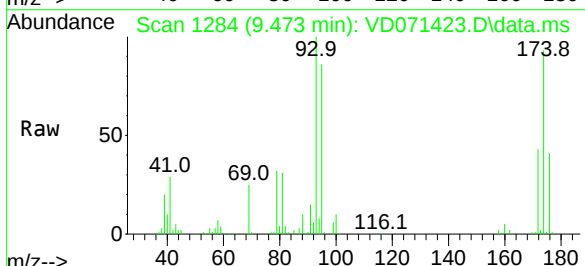
Tgt Ion: 93 Resp: 117688

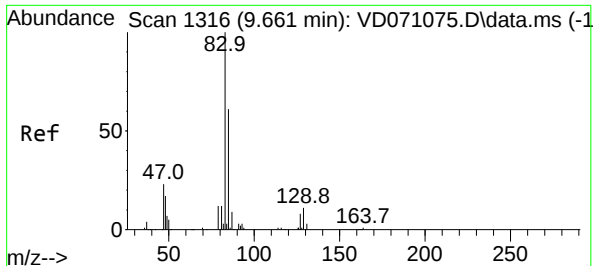
Ion Ratio Lower Upper

93 100

95 84.1 66.1 99.1

174 89.2 78.6 117.8





#47

Bromodichloromethane

Concen: 64.224 ug/l

RT: 9.656 min Scan# 11

Delta R.T. -0.005 min

Lab File: VD071423.D

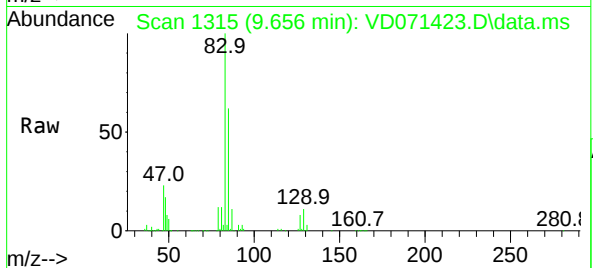
Acq: 21 Dec 2021 21:03

Instrument :

MSVOA_D

ClientSampleId :

HB-2-(20-25)-12-17-21MSD

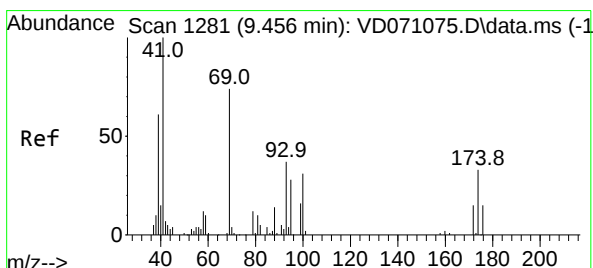
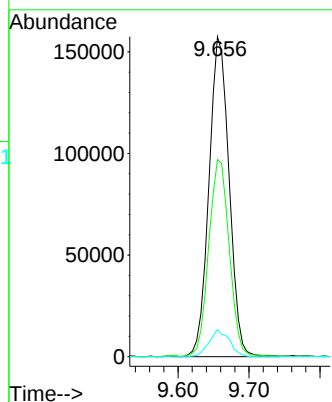
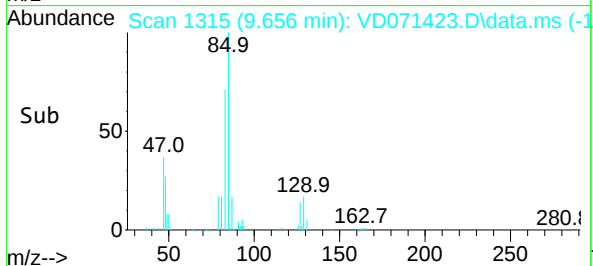


Tgt Ion: 83 Resp: 310290

Ion	Ratio	Lower	Upper
83	100		
85	61.5	50.0	75.0
127	8.4	7.3	10.9

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 12/22/2021
Supervised By :Amit Patel 12/24/2021



#48

Methyl methacrylate

Concen: 66.149 ug/l

RT: 9.450 min Scan# 1280

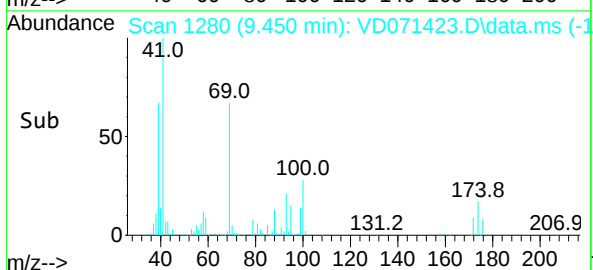
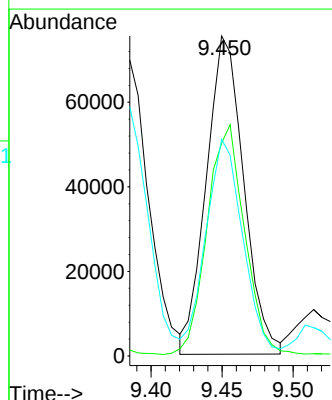
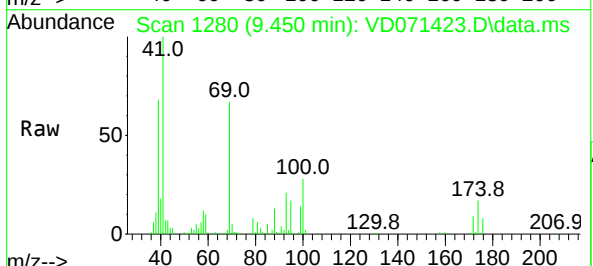
Delta R.T. -0.006 min

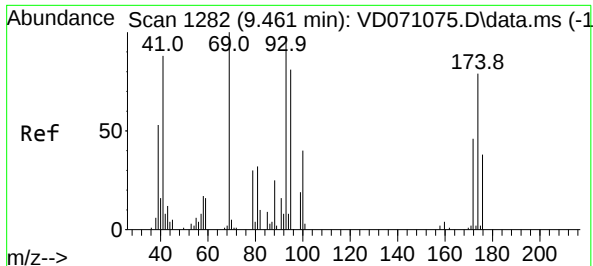
Lab File: VD071423.D

Acq: 21 Dec 2021 21:03

Tgt Ion: 41 Resp: 137871

Ion	Ratio	Lower	Upper
41	100		
69	72.9	69.8	104.6
39	67.1	35.6	53.4





#49

1,4-Dioxane

Concen: 1398.818 ug/l

RT: 9.456 min Scan# 1282

Delta R.T. -0.005 min

Lab File: VD071423.D

Acq: 21 Dec 2021 21:03

Instrument :

MSVOA_D

ClientSampleId :

HB-2-(20-25)-12-17-21MSD

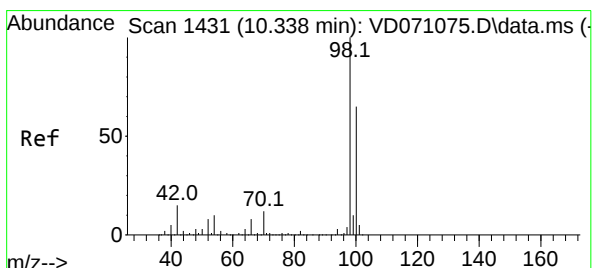
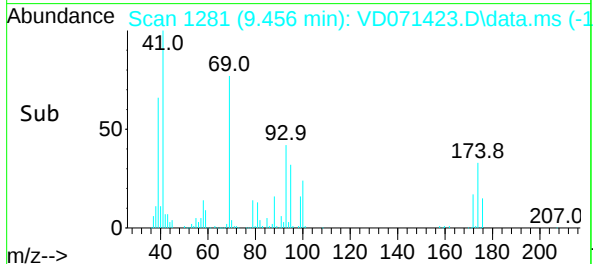
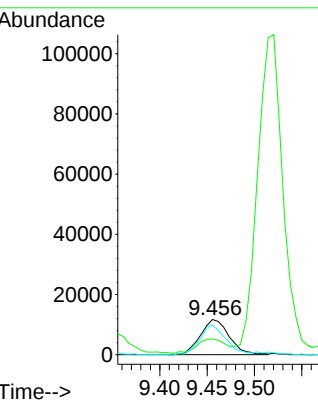
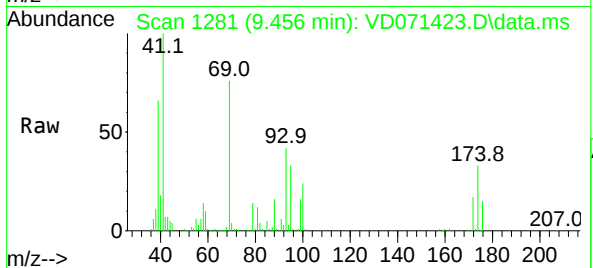
Tgt Ion:	88	Resp:	2466
Ion Ratio	Lower	Upper	
88	100		
43	40.8	28.9	43.3
58	76.4	56.3	84.5

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 12/22/2021

Supervised By :Amit Patel 12/24/2021



#50

Toluene-d8

Concen: 49.502 ug/l

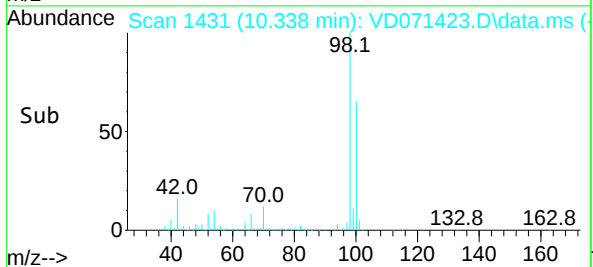
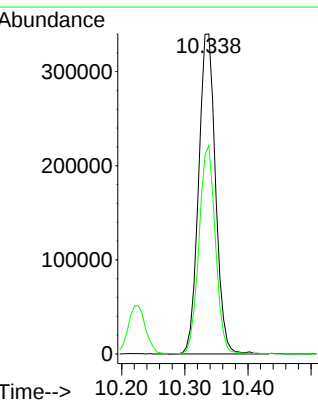
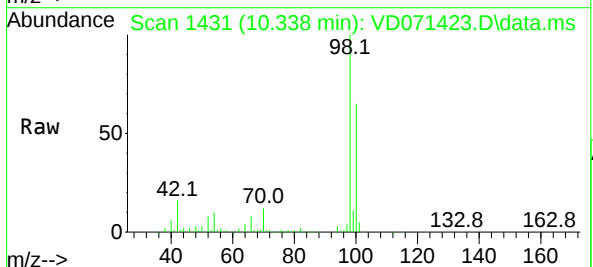
RT: 10.338 min Scan# 1431

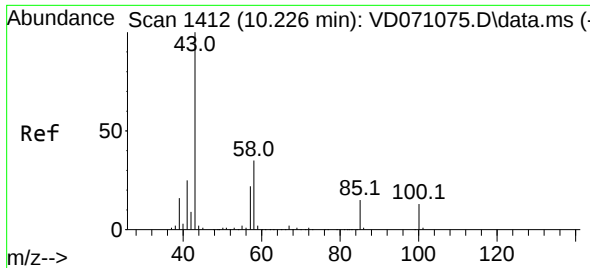
Delta R.T. -0.000 min

Lab File: VD071423.D

Acq: 21 Dec 2021 21:03

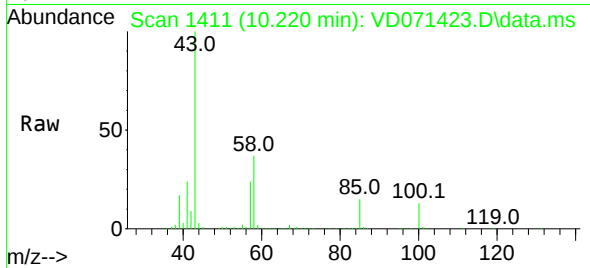
Tgt Ion:	98	Resp:	632685
Ion Ratio	Lower	Upper	
98	100		
100	62.7	51.8	77.6





#51
4-Methyl-2-Pentanone
Concen: 296.617 ug/l
RT: 10.220 min Scan# 1412
Delta R.T. -0.006 min
Lab File: VD071423.D
Acq: 21 Dec 2021 21:03

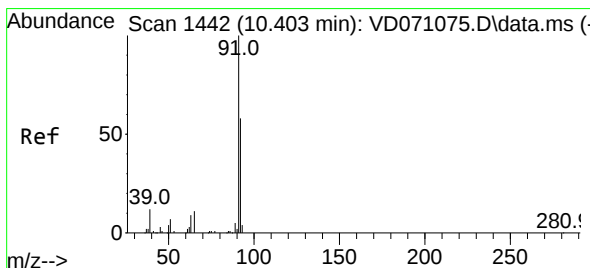
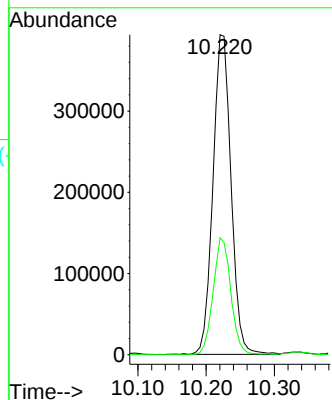
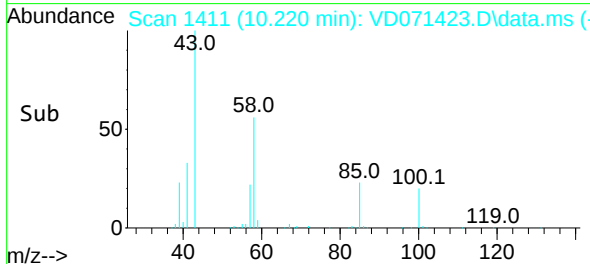
Instrument :
MSVOA_D
ClientSampleId :
HB-2-(20-25)-12-17-21MSD



Tgt Ion: 43 Resp: 72784
Ion Ratio Lower Upper
43 100
58 35.6 33.1 49.7

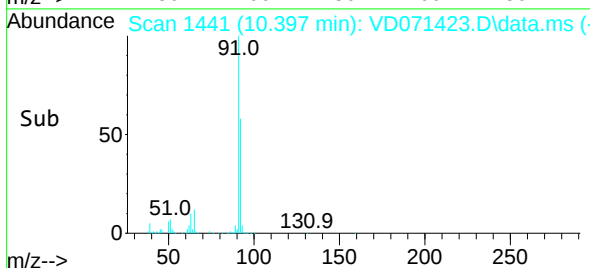
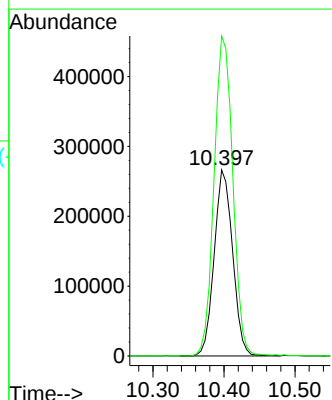
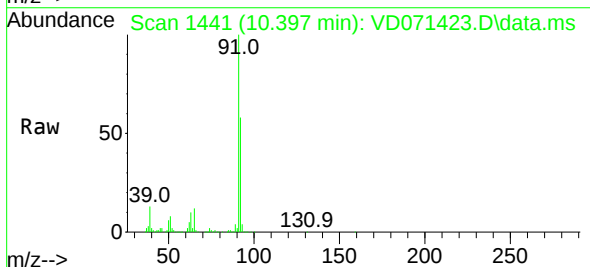
Manual Integrations
APPROVED

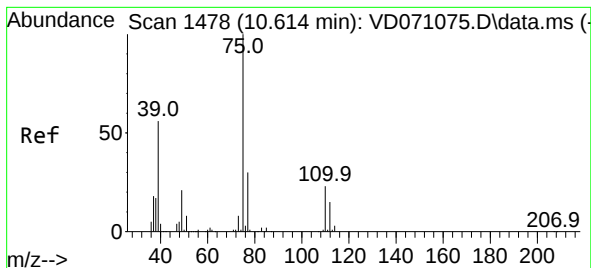
Reviewed By :Semsettin Yesilyurt 12/22/2021
Supervised By :Amit Patel 12/24/2021



#52
Toluene
Concen: 56.446 ug/l
RT: 10.397 min Scan# 1441
Delta R.T. -0.006 min
Lab File: VD071423.D
Acq: 21 Dec 2021 21:03

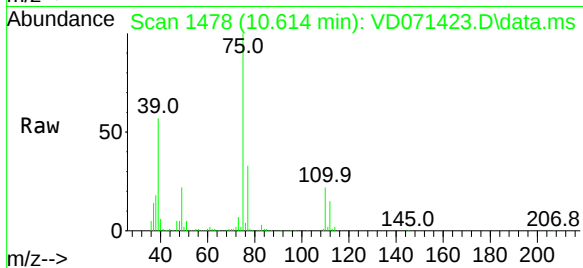
Tgt Ion: 92 Resp: 479537
Ion Ratio Lower Upper
92 100
91 175.0 140.7 211.1





#53
t-1,3-Dichloropropene
Concen: 63.889 ug/l
RT: 10.614 min Scan# 1478
Delta R.T. 0.000 min
Lab File: VD071423.D
Acq: 21 Dec 2021 21:03

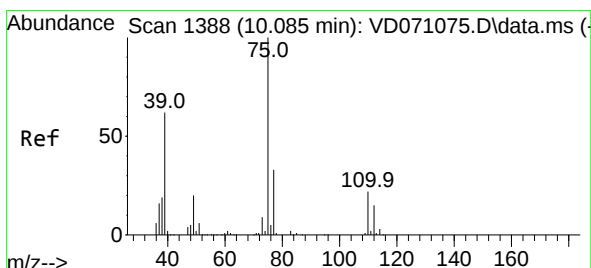
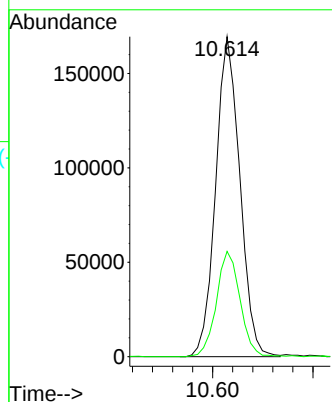
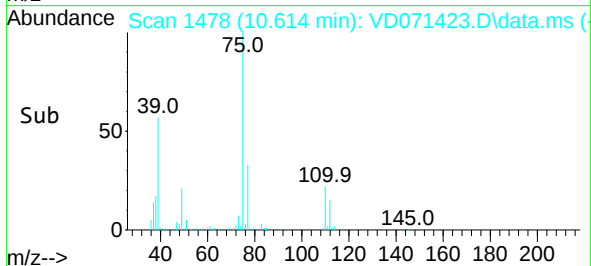
Instrument :
MSVOA_D
ClientSampleId :
HB-2-(20-25)-12-17-21MSD



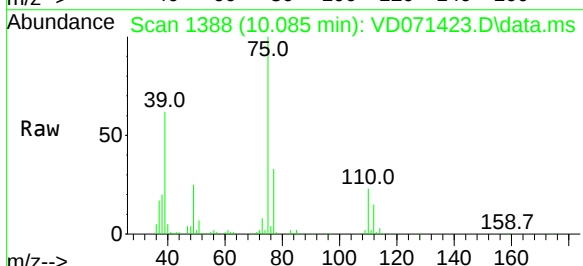
Tgt Ion: 75 Resp: 28379
Ion Ratio Lower Upper
75 100
77 32.9 24.5 36.7

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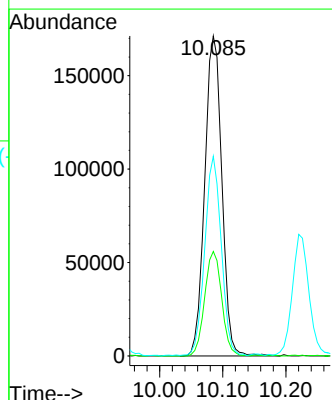
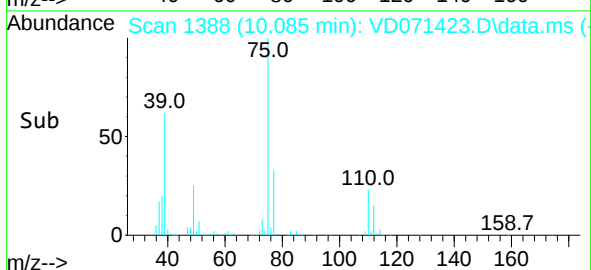
Reviewed By :Semsettin Yesilyurt 12/22/2021
Supervised By :Amit Patel 12/24/2021

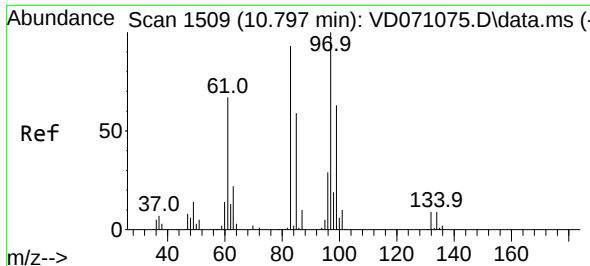


#54
cis-1,3-Dichloropropene
Concen: 61.118 ug/l
RT: 10.085 min Scan# 1388
Delta R.T. -0.000 min
Lab File: VD071423.D
Acq: 21 Dec 2021 21:03



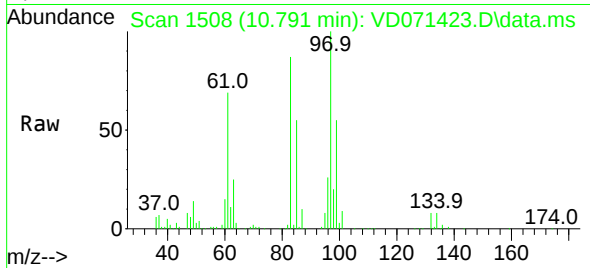
Tgt Ion: 75 Resp: 322481
Ion Ratio Lower Upper
75 100
77 32.6 25.0 37.6
39 62.3 31.6 47.4#





#55
1,1,2-Trichloroethane
Concen: 67.062 ug/l
RT: 10.791 min Scan# 1509
Delta R.T. -0.006 min
Lab File: VD071423.D
Acq: 21 Dec 2021 21:03

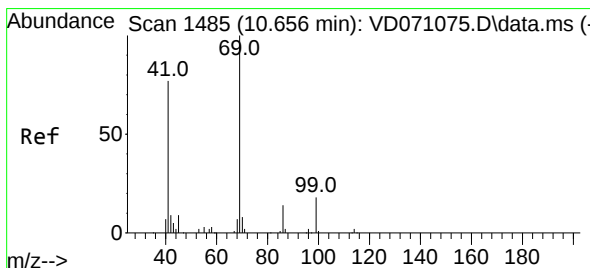
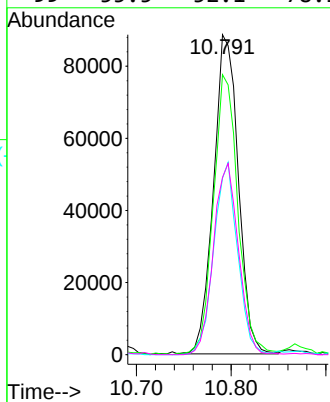
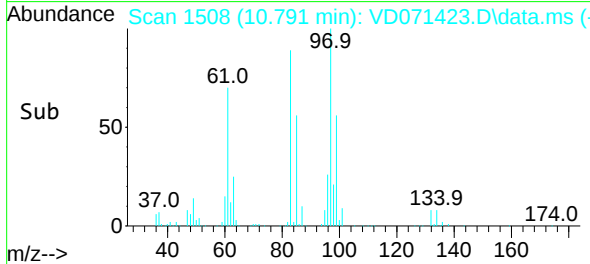
Instrument : MSVOA_D
ClientSampleId : HB-2-(20-25)-12-17-21MSD



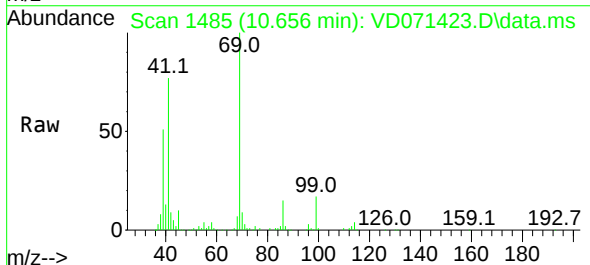
Tgt Ion: 97 Resp: 160719
Ion Ratio Lower Upper
97 100
83 87.3 65.2 97.8
85 55.3 43.4 65.0
99 55.5 52.1 78.1

Manual Integrations
APPROVED

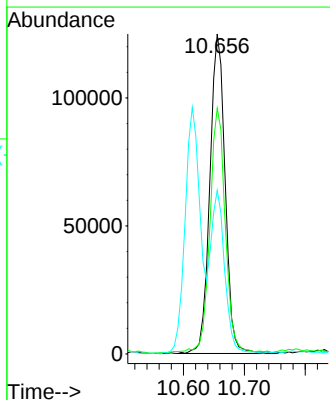
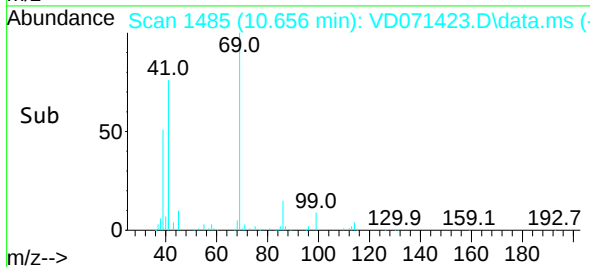
Reviewed By :Semsettin Yesilyurt 12/22/2021
Supervised By :Amit Patel 12/24/2021

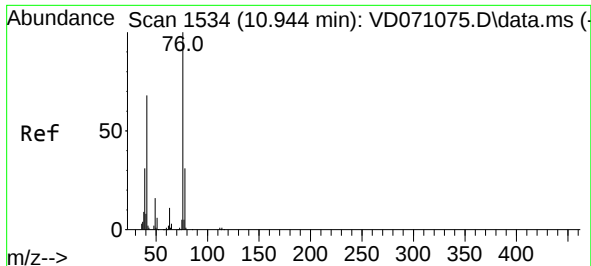


#56
Ethyl methacrylate
Concen: 61.447 ug/l
RT: 10.656 min Scan# 1485
Delta R.T. -0.000 min
Lab File: VD071423.D
Acq: 21 Dec 2021 21:03



Tgt Ion: 69 Resp: 217357
Ion Ratio Lower Upper
69 100
41 77.8 50.2 75.2#
39 45.8 19.8 29.8#





#57

1,3-Dichloropropane

Concen: 66.714 ug/l

RT: 10.938 min Scan# 1533

Delta R.T. -0.006 min

Lab File: VD071423.D

Acq: 21 Dec 2021 21:03

Instrument :

MSVOA_D

ClientSampleId :

HB-2-(20-25)-12-17-21MSD

Tgt Ion: 76 Resp: 280872

Ion Ratio Lower Upper

76 100

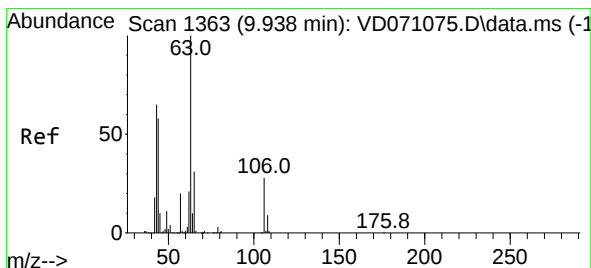
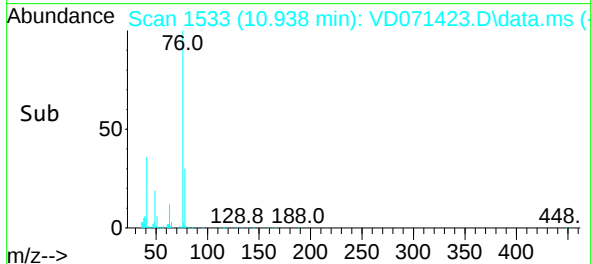
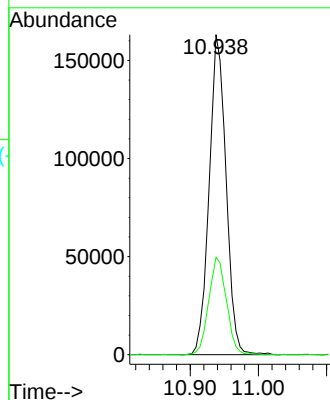
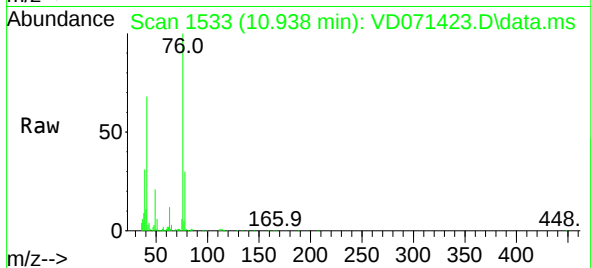
78 32.0 25.8 38.6

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 12/22/2021

Supervised By :Amit Patel 12/24/2021



#58

2-Chloroethyl Vinyl ether

Concen: 321.424 ug/l

RT: 9.938 min Scan# 1363

Delta R.T. -0.000 min

Lab File: VD071423.D

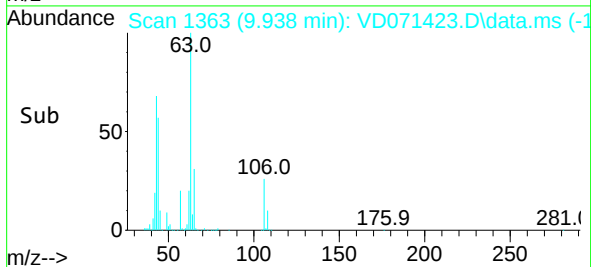
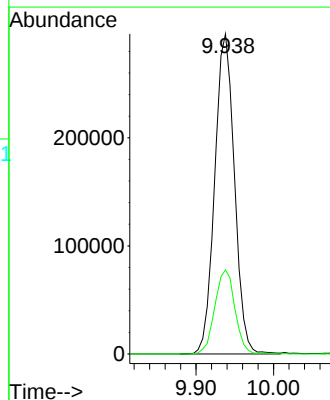
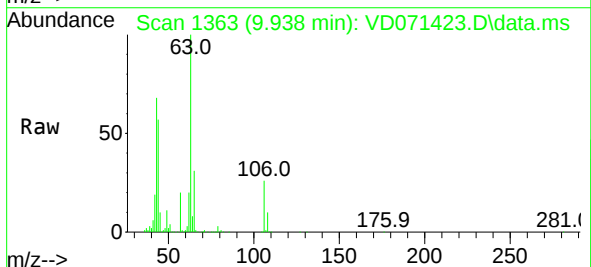
Acq: 21 Dec 2021 21:03

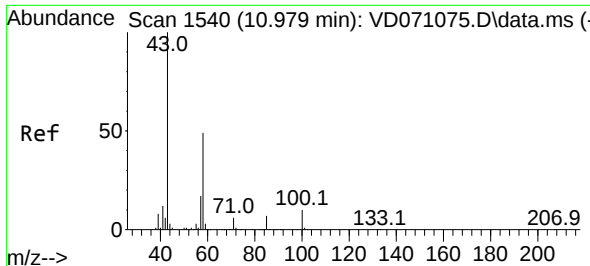
Tgt Ion: 63 Resp: 524187

Ion Ratio Lower Upper

63 100

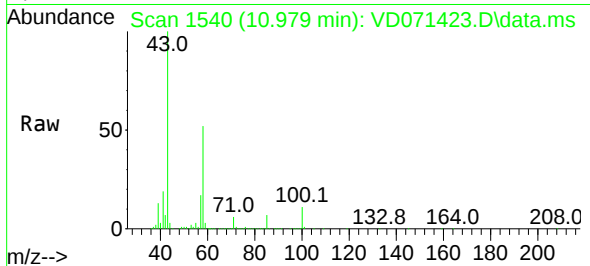
106 26.9 21.0 31.4





#59
2-Hexanone
Concen: 290.573 ug/l
RT: 10.979 min Scan# 1540
Delta R.T. 0.000 min
Lab File: VD071423.D
Acq: 21 Dec 2021 21:03

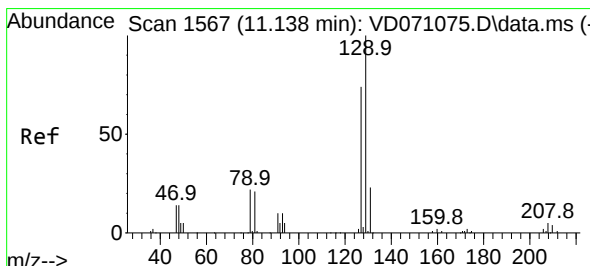
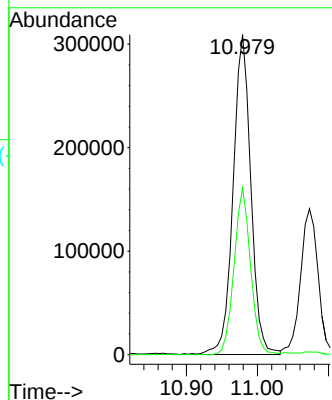
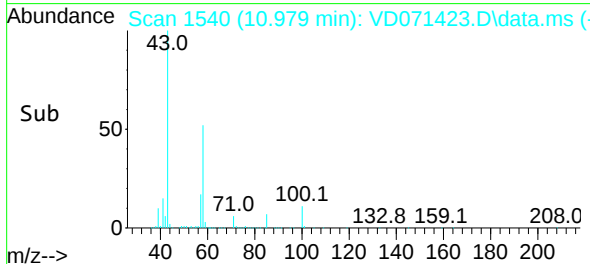
Instrument :
MSVOA_D
ClientSampleId :
HB-2-(20-25)-12-17-21MSD



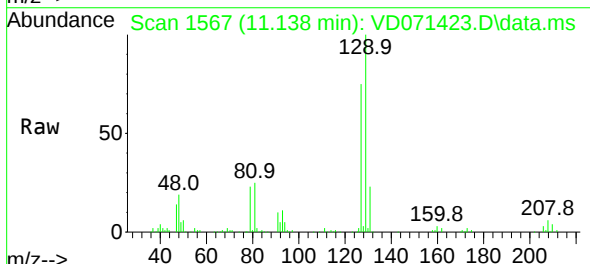
Tgt Ion: 43 Resp: 53748
Ion Ratio Lower Upper
43 100
58 48.4 28.7 86.1

Manual Integrations
APPROVED

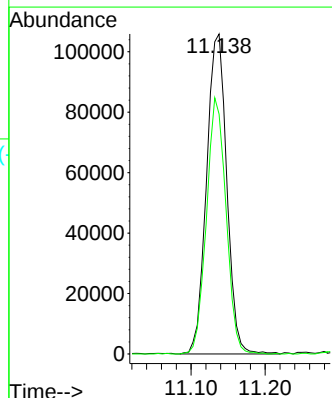
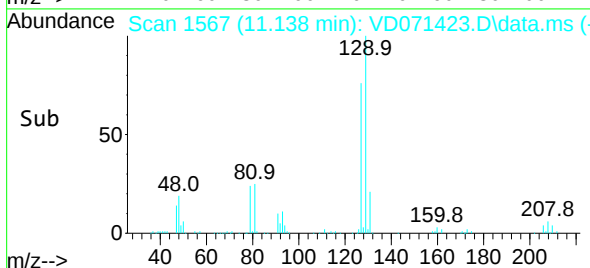
Reviewed By :Semsettin Yesilyurt 12/22/2021
Supervised By :Amit Patel 12/24/2021

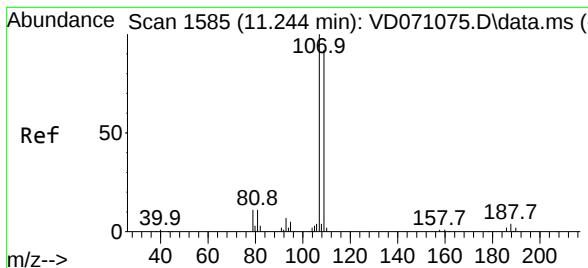


#60
Dibromochloromethane
Concen: 67.380 ug/l
RT: 11.138 min Scan# 1567
Delta R.T. -0.000 min
Lab File: VD071423.D
Acq: 21 Dec 2021 21:03



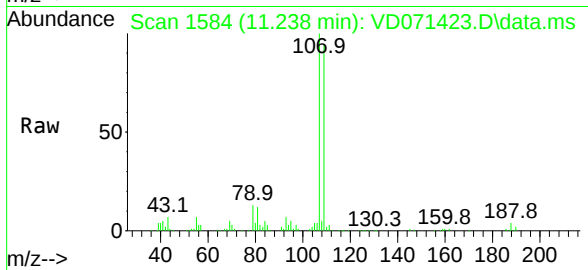
Tgt Ion:129 Resp: 200698
Ion Ratio Lower Upper
129 100
127 77.5 38.9 116.6





#61
1,2-Dibromoethane
Concen: 66.559 ug/l
RT: 11.238 min Scan# 11
Delta R.T. -0.006 min
Lab File: VD071423.D
Acq: 21 Dec 2021 21:03

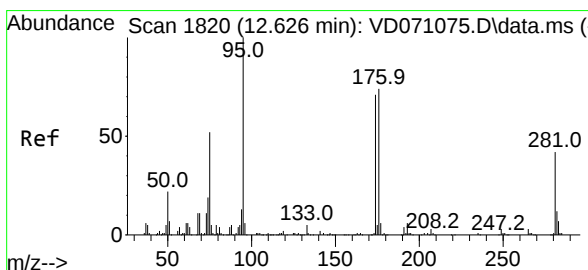
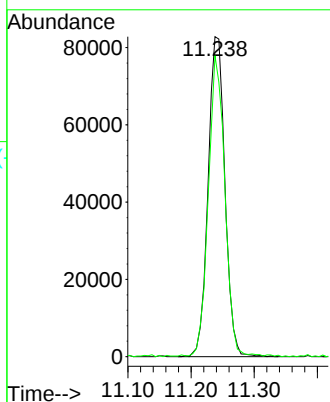
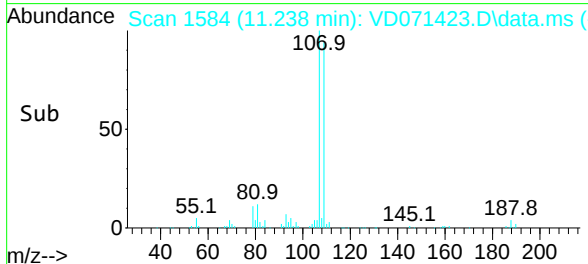
Instrument :
MSVOA_D
ClientSampleId :
HB-2-(20-25)-12-17-21MSD



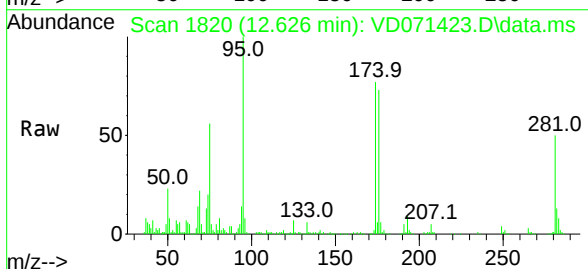
Tgt Ion:107 Resp: 153199
Ion Ratio Lower Upper
107 100
109 91.9 74.6 112.0

Manual Integrations
APPROVED

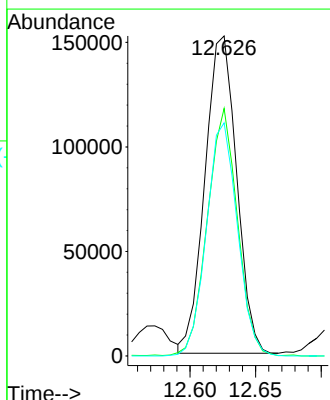
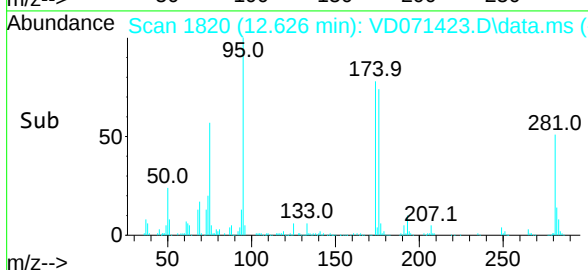
Reviewed By :Semsettin Yesilyurt 12/22/2021
Supervised By :Amit Patel 12/24/2021

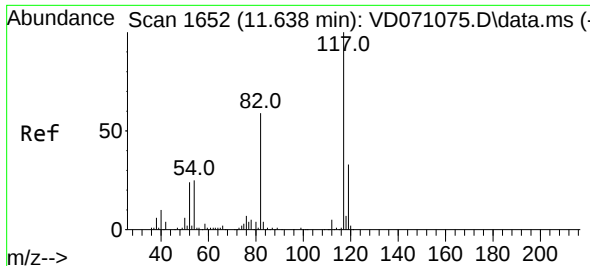


#62
4-Bromofluorobenzene
Concen: 57.553 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.000 min
Lab File: VD071423.D
Acq: 21 Dec 2021 21:03



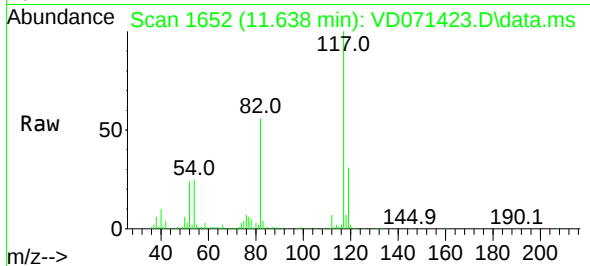
Tgt Ion: 95 Resp: 254977
Ion Ratio Lower Upper
95 100
174 74.4 0.0 159.4
176 71.9 0.0 154.0





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. -0.000 min
Lab File: VD071423.D
Acq: 21 Dec 2021 21:03

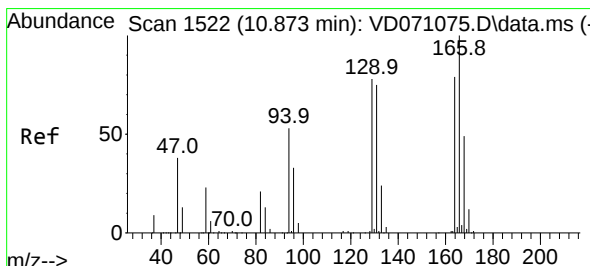
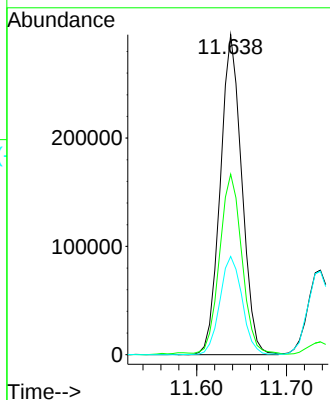
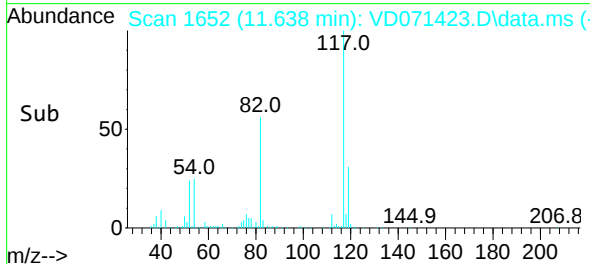
Instrument : MSVOA_D
ClientSampleId : HB-2-(20-25)-12-17-21MSD



Tgt Ion:117 Resp: 491770
Ion Ratio Lower Upper
117 100
82 55.8 44.7 67.1
119 30.7 26.2 39.4

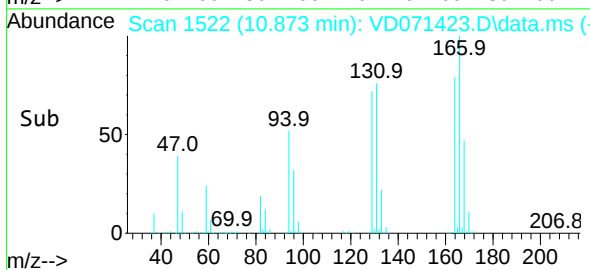
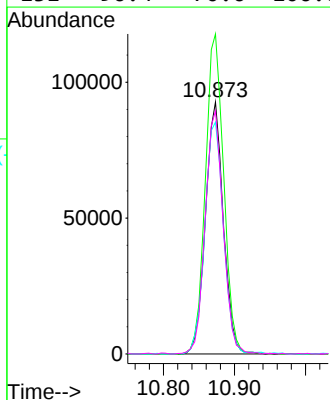
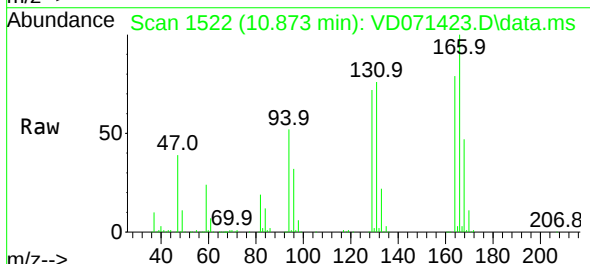
Manual Integrations
APPROVED

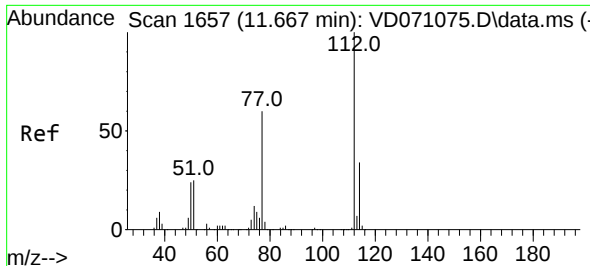
Reviewed By :Semsettin Yesilyurt 12/22/2021
Supervised By :Amit Patel 12/24/2021



#64
Tetrachloroethene
Concen: 51.979 ug/l
RT: 10.873 min Scan# 1522
Delta R.T. 0.000 min
Lab File: VD071423.D
Acq: 21 Dec 2021 21:03

Tgt Ion:164 Resp: 162279
Ion Ratio Lower Upper
164 100
166 127.0 102.6 153.8
129 91.8 75.4 113.0
131 96.4 70.6 106.0





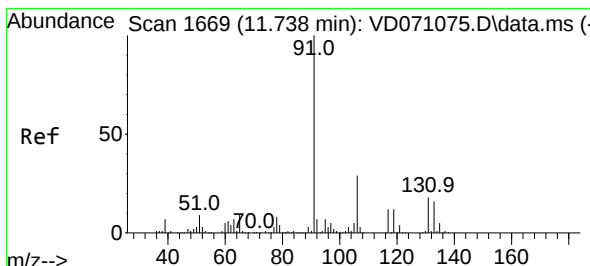
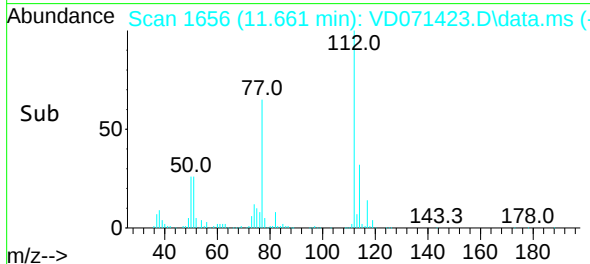
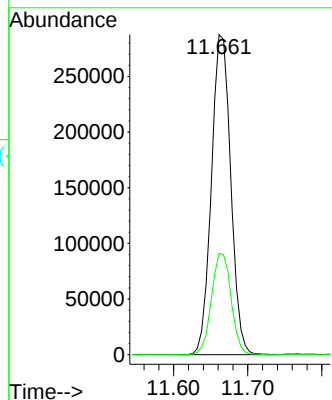
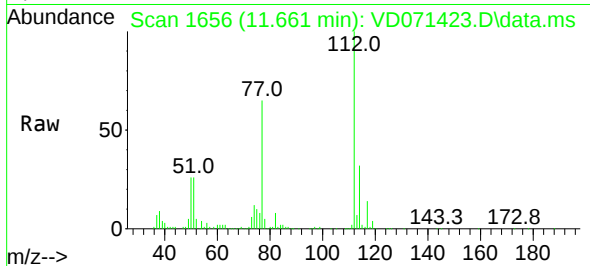
#65
Chlorobenzene
Concen: 57.025 ug/l
RT: 11.661 min Scan# 1656
Delta R.T. -0.006 min
Lab File: VD071423.D
Acq: 21 Dec 2021 21:03

Instrument :
MSVOA_D
ClientSampleId :
HB-2-(20-25)-12-17-21MSD

Tgt Ion:112 Resp: 520330
Ion Ratio Lower Upper
112 100
114 31.7 26.0 39.0

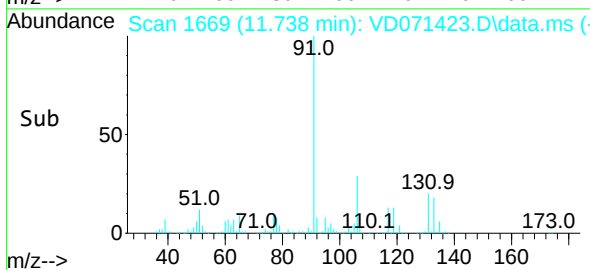
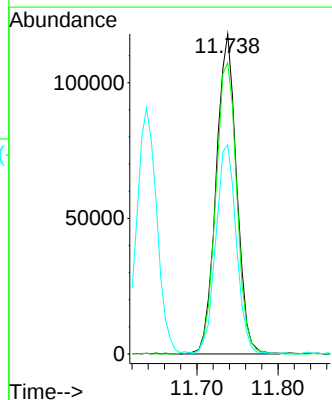
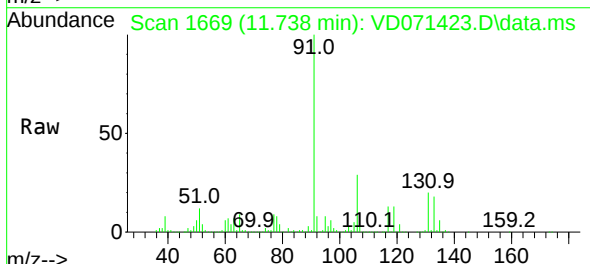
Manual Integrations
APPROVED

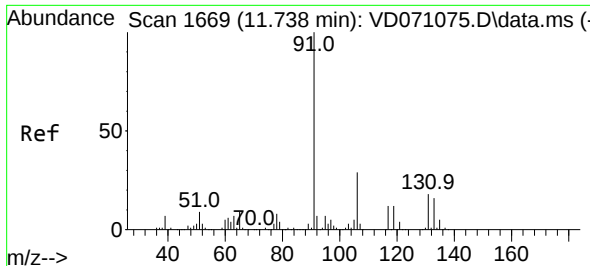
Reviewed By :Semsettin Yesilyurt 12/22/2021
Supervised By :Amit Patel 12/24/2021



#66
1,1,1,2-Tetrachloroethane
Concen: 62.078 ug/l
RT: 11.738 min Scan# 1669
Delta R.T. -0.000 min
Lab File: VD071423.D
Acq: 21 Dec 2021 21:03

Tgt Ion:131 Resp: 206818
Ion Ratio Lower Upper
131 100
133 93.5 48.0 144.0
119 65.1 33.5 100.4





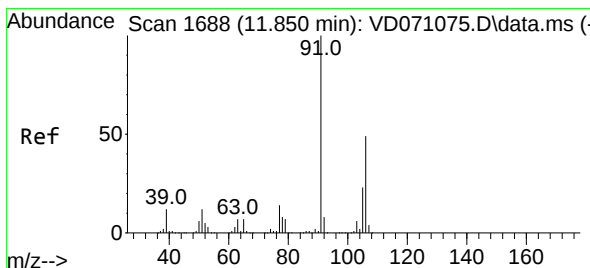
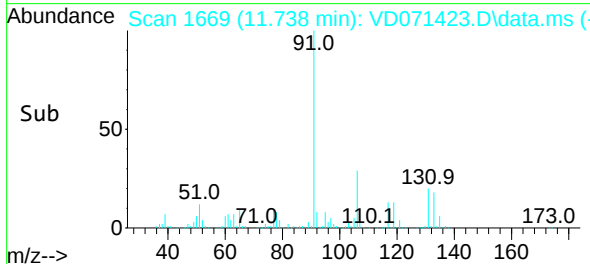
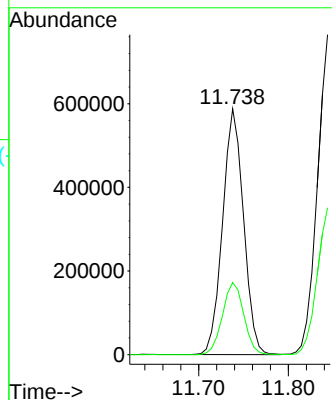
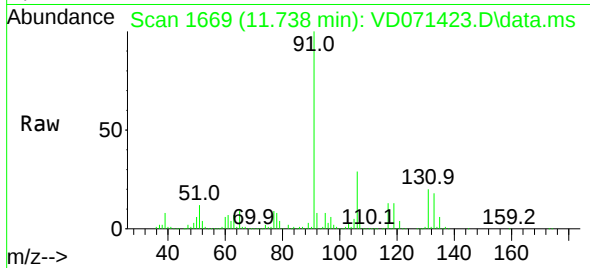
#67
Ethyl Benzene
Concen: 55.428 ug/l
RT: 11.738 min Scan# 1669
Delta R.T. -0.000 min
Lab File: VD071423.D
Acq: 21 Dec 2021 21:03

Instrument :
MSVOA_D
ClientSampleId :
HB-2-(20-25)-12-17-21MSD

Tgt Ion: 91 Resp: 952104
Ion Ratio Lower Upper
91 100
106 29.4 24.6 36.8

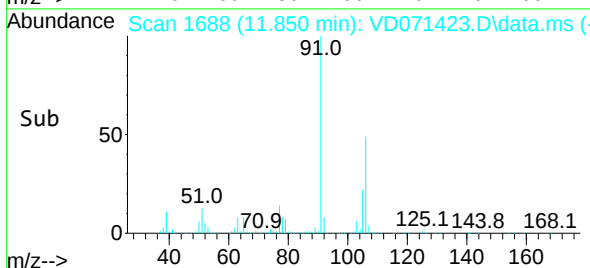
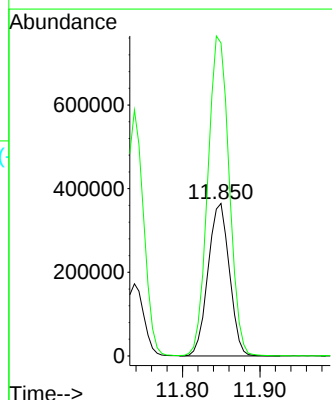
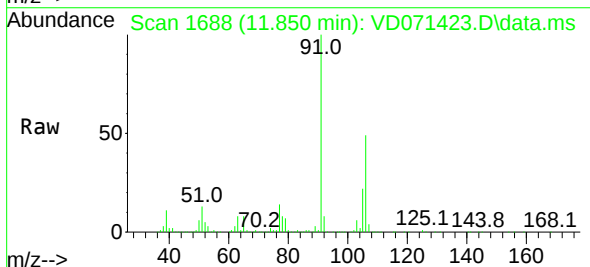
Manual Integrations
APPROVED

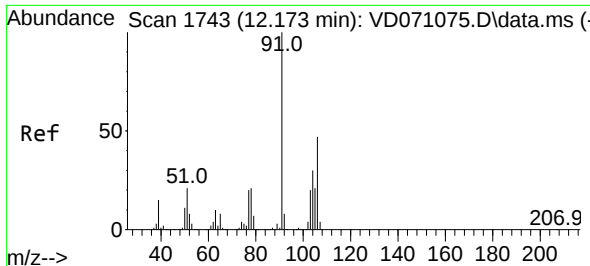
Reviewed By :Semsettin Yesilyurt 12/22/2021
Supervised By :Amit Patel 12/24/2021



#68
m/p-Xylenes
Concen: 107.400 ug/l
RT: 11.850 min Scan# 1688
Delta R.T. -0.000 min
Lab File: VD071423.D
Acq: 21 Dec 2021 21:03

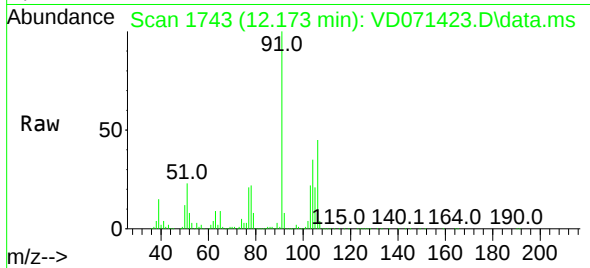
Tgt Ion:106 Resp: 696488
Ion Ratio Lower Upper
106 100
91 210.6 160.1 240.1





#69
o-Xylene
Concen: 57.406 ug/l
RT: 12.173 min Scan# 11
Delta R.T. 0.000 min
Lab File: VD071423.D
Acq: 21 Dec 2021 21:03

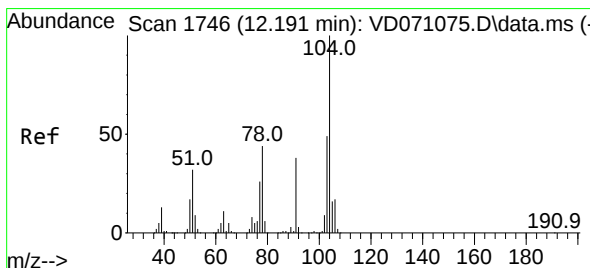
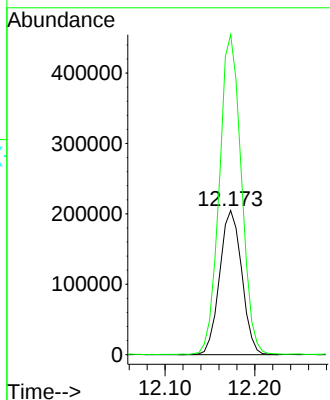
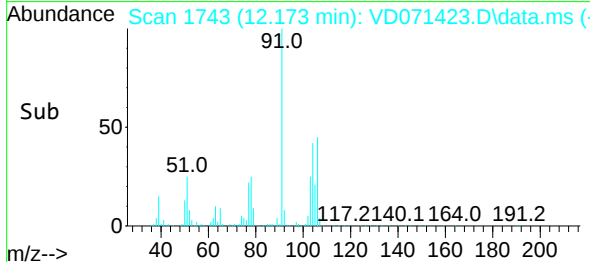
Instrument :
MSVOA_D
ClientSampleId :
HB-2-(20-25)-12-17-21MSD



Tgt Ion:106 Resp: 34989
Ion Ratio Lower Upper
106 100
91 222.0 106.3 319.0

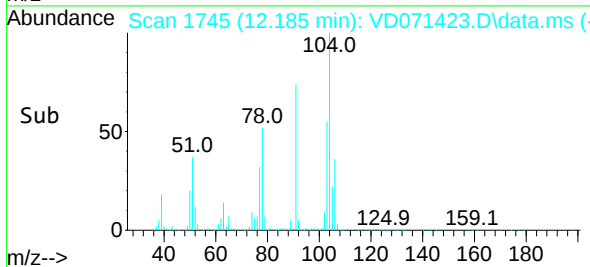
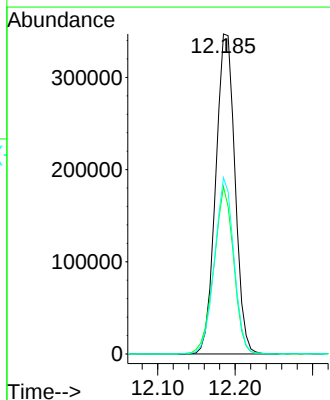
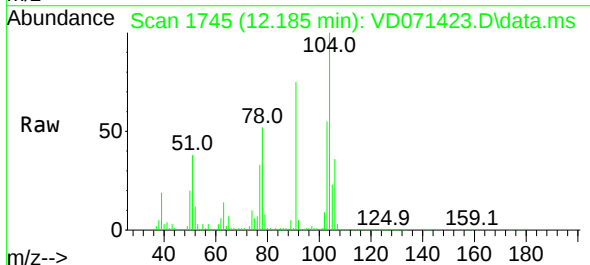
Manual Integrations
APPROVED

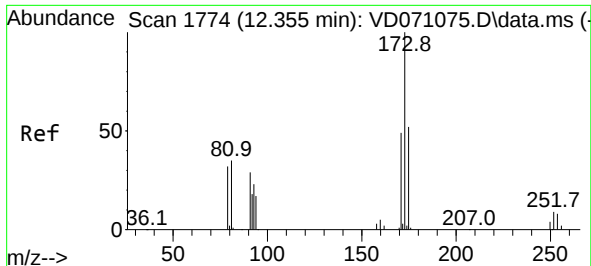
Reviewed By :Semsettin Yesilyurt 12/22/2021
Supervised By :Amit Patel 12/24/2021



#70
Styrene
Concen: 58.474 ug/l
RT: 12.185 min Scan# 1745
Delta R.T. -0.006 min
Lab File: VD071423.D
Acq: 21 Dec 2021 21:03

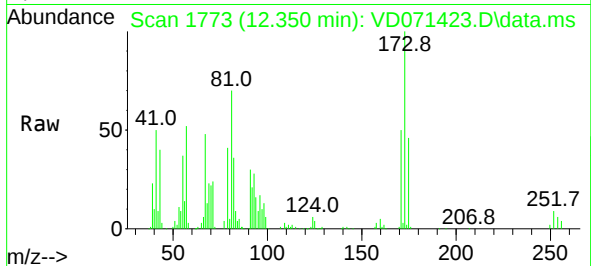
Tgt Ion:104 Resp: 600672
Ion Ratio Lower Upper
104 100
78 53.5 39.4 59.0
103 55.2 43.4 65.0





#71
Bromoform
Concen: 64.817 ug/l
RT: 12.350 min Scan# 1773
Delta R.T. -0.005 min
Lab File: VD071423.D
Acq: 21 Dec 2021 21:03

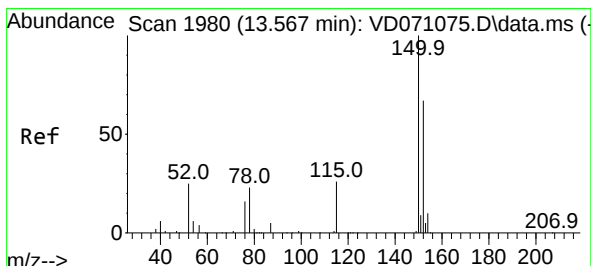
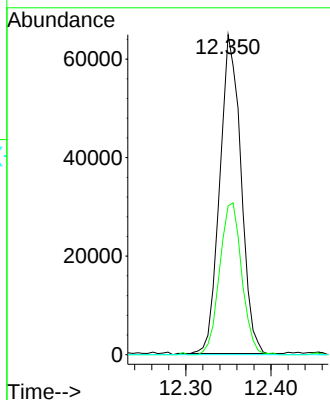
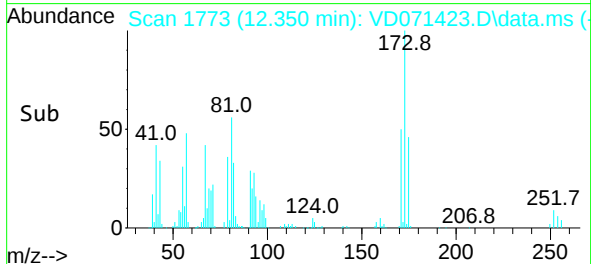
Instrument :
MSVOA_D
ClientSampleId :
HB-2-(20-25)-12-17-21MSD



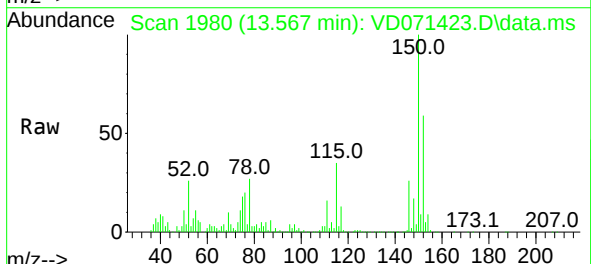
Tgt Ion:173 Resp: 111872
Ion Ratio Lower Upper
173 100
175 49.7 24.1 72.2
254 0.0 0.1 0.1

Manual Integrations
APPROVED

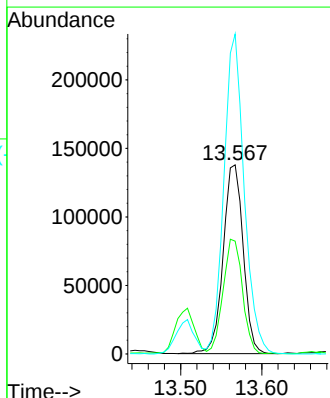
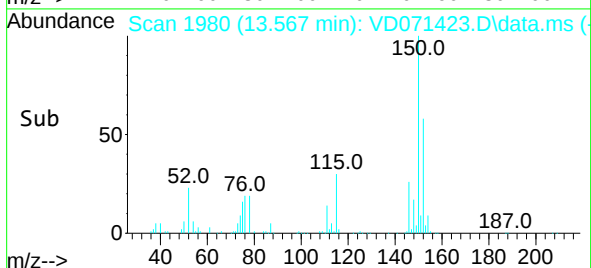
Reviewed By :Semsettin Yesilyurt 12/22/2021
Supervised By :Amit Patel 12/24/2021

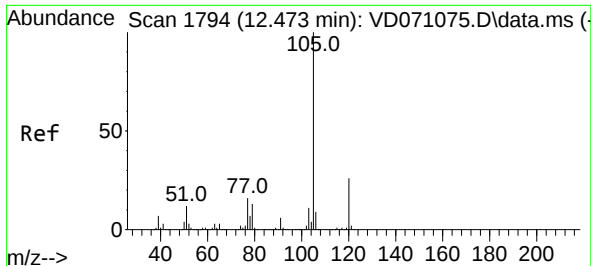


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.567 min Scan# 1980
Delta R.T. 0.000 min
Lab File: VD071423.D
Acq: 21 Dec 2021 21:03



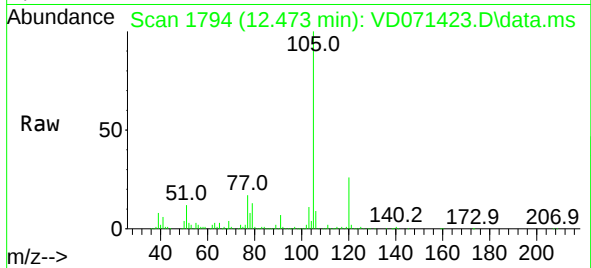
Tgt Ion:152 Resp: 236157
Ion Ratio Lower Upper
152 100
115 58.8 29.8 89.3
150 171.9 0.0 349.2





#73
Isopropylbenzene
Concen: 51.513 ug/l
RT: 12.473 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VD071423.D
Acq: 21 Dec 2021 21:03

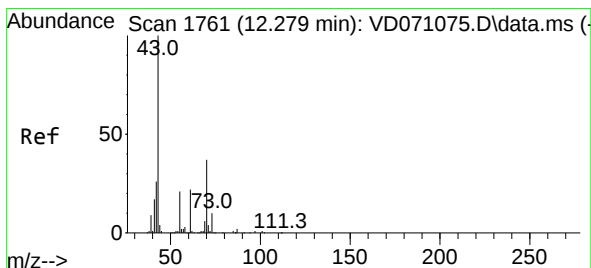
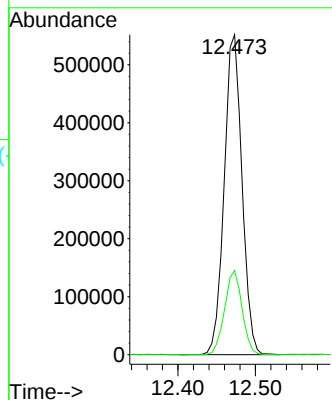
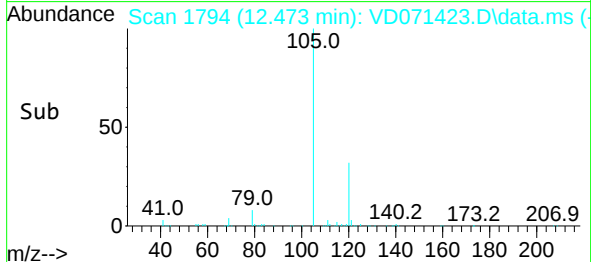
Instrument :
MSVOA_D
ClientSampleId :
HB-2-(20-25)-12-17-21MSD



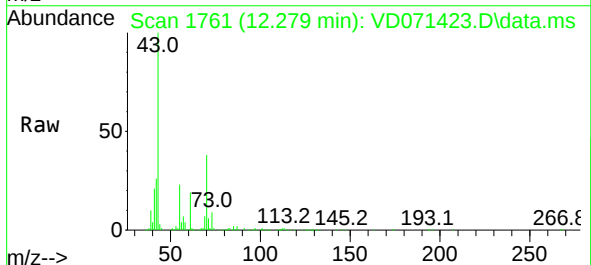
Tgt Ion:105 Resp: 88086
Ion Ratio Lower Upper
105 100
120 25.8 13.2 39.5

Manual Integrations
APPROVED

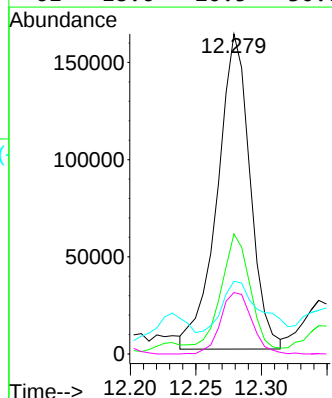
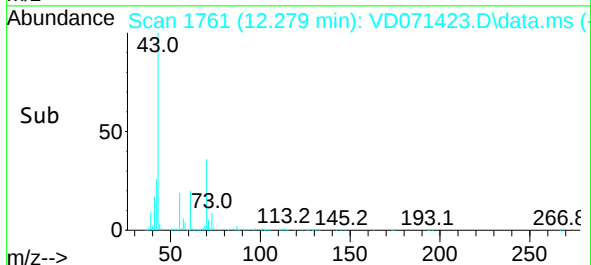
Reviewed By :Semsettin Yesilyurt 12/22/2021
Supervised By :Amit Patel 12/24/2021

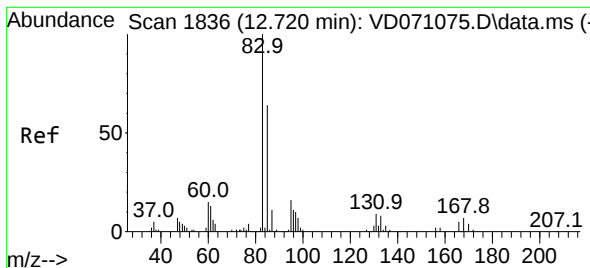


#74
N-ethyl acetate
Concen: 58.995 ug/l
RT: 12.279 min Scan# 1761
Delta R.T. -0.000 min
Lab File: VD071423.D
Acq: 21 Dec 2021 21:03



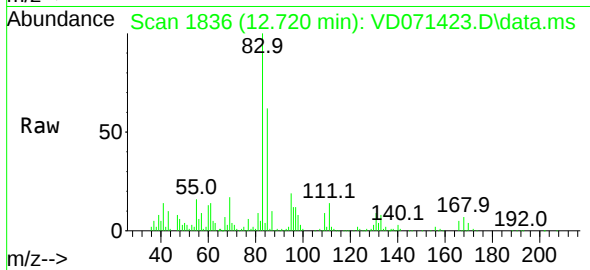
Tgt Ion: 43 Resp: 281615
Ion Ratio Lower Upper
43 100
70 33.2 36.6 55.0#
55 26.0 22.5 33.7
61 18.6 20.5 30.7#





#75
1,1,2,2-Tetrachloroethane
Concen: 68.780 ug/l
RT: 12.720 min Scan# 1836
Delta R.T. 0.000 min
Lab File: VD071423.D
Acq: 21 Dec 2021 21:03

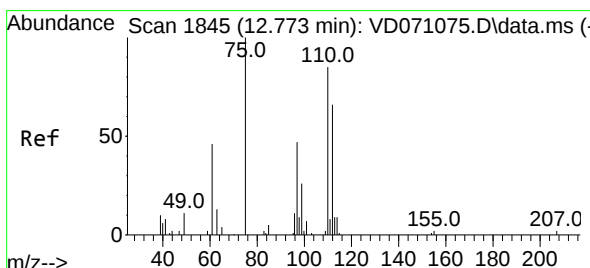
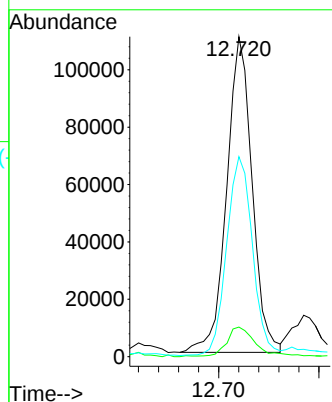
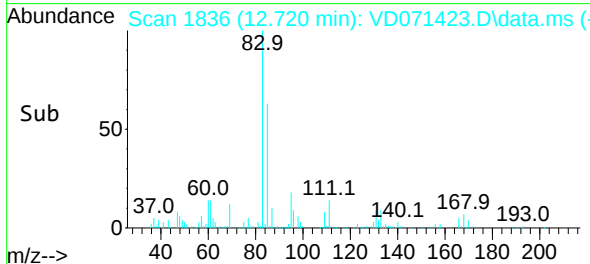
Instrument :
MSVOA_D
ClientSampleId :
HB-2-(20-25)-12-17-21MSD



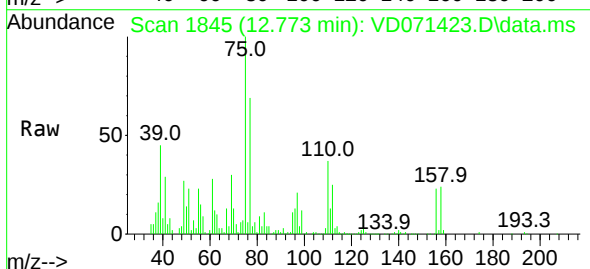
Tgt Ion: 83 Resp: 19368
Ion Ratio Lower Upper
83 100
131 10.9 4.9 14.7
85 64.1 32.0 96.2

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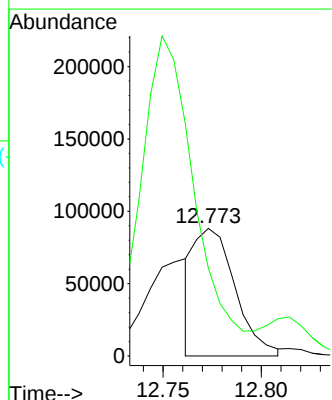
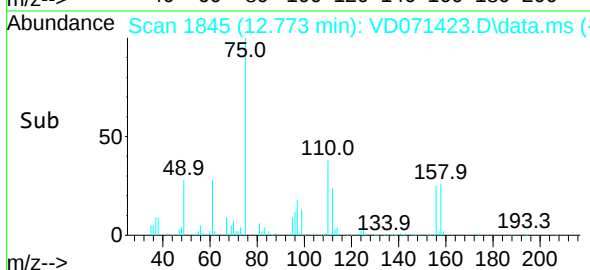
Reviewed By :Semsettin Yesilyurt 12/22/2021
Supervised By :Amit Patel 12/24/2021

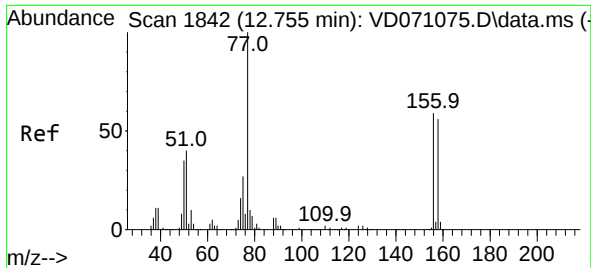


#76
1,2,3-Trichloropropane
Concen: 56.902 ug/l m
RT: 12.773 min Scan# 1845
Delta R.T. 0.000 min
Lab File: VD071423.D
Acq: 21 Dec 2021 21:03



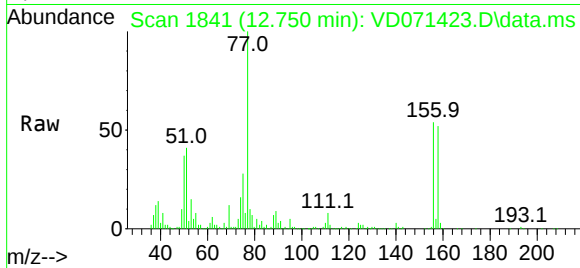
Tgt Ion: 75 Resp: 128029
Ion Ratio Lower Upper
75 100
77 0.0 158.4 475.3#





#77
Bromobenzene
Concen: 55.887 ug/l
RT: 12.750 min Scan# 1842
Delta R.T. -0.005 min
Lab File: VD071423.D
Acq: 21 Dec 2021 21:03

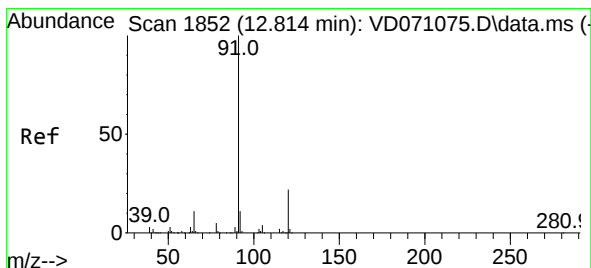
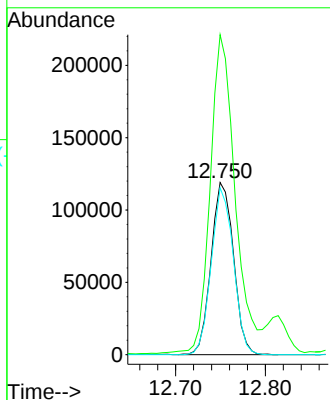
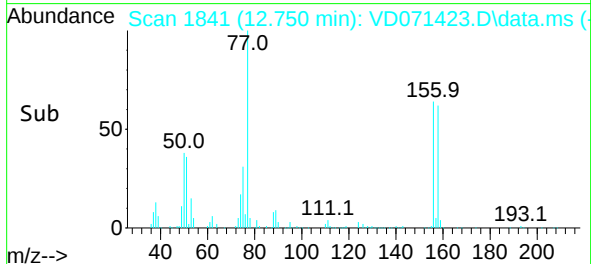
Instrument :
MSVOA_D
ClientSampleId :
HB-2-(20-25)-12-17-21MSD



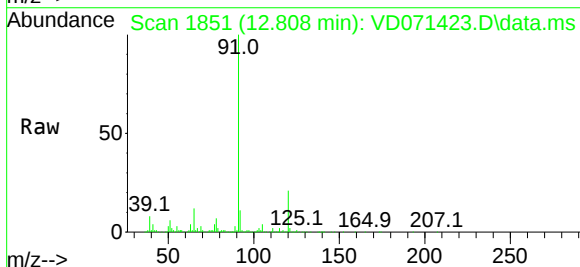
Tgt Ion:156 Resp: 206998
Ion Ratio Lower Upper
156 100
77 203.5 96.6 289.8
158 95.1 49.1 147.4

Manual Integrations
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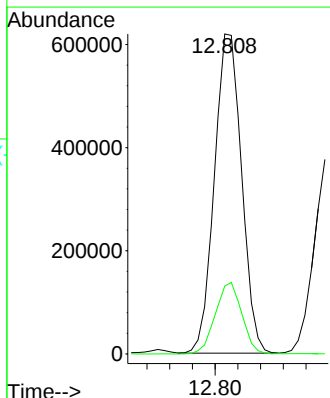
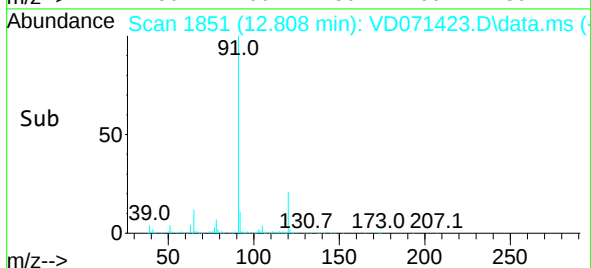
Reviewed By :Semsettin Yesilyurt 12/22/2021
Supervised By :Amit Patel 12/24/2021

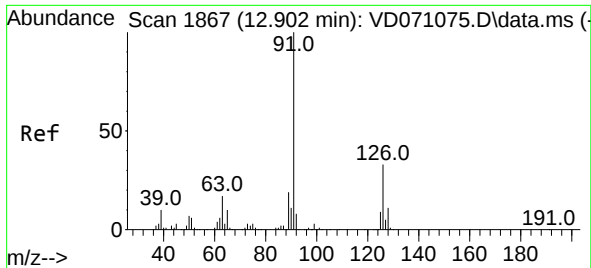


#78
n-propylbenzene
Concen: 48.346 ug/l
RT: 12.808 min Scan# 1851
Delta R.T. -0.006 min
Lab File: VD071423.D
Acq: 21 Dec 2021 21:03



Tgt Ion: 91 Resp: 1029532
Ion Ratio Lower Upper
91 100
120 21.8 10.9 32.9





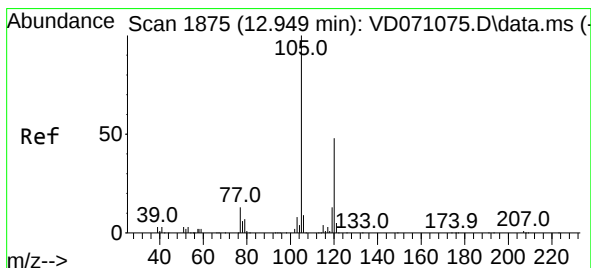
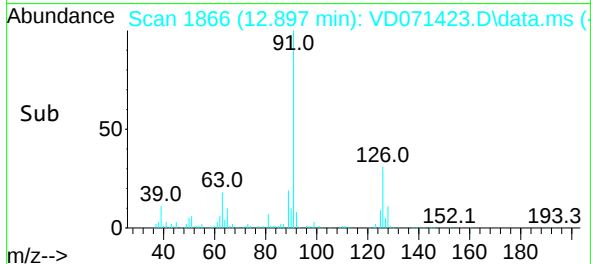
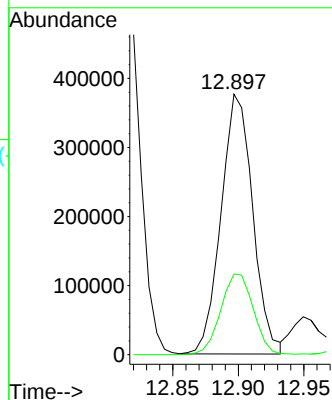
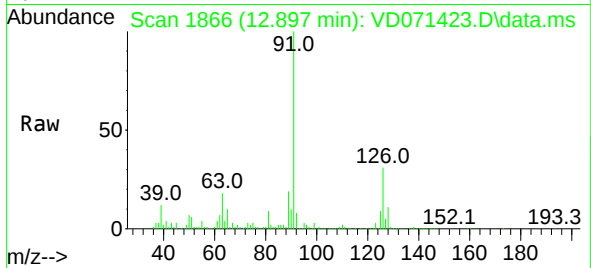
#79
2-Chlorotoluene
Concen: 52.945 ug/l
RT: 12.897 min Scan# 1866
Delta R.T. -0.005 min
Lab File: VD071423.D
Acq: 21 Dec 2021 21:03

Instrument :
MSVOA_D
ClientSampleId :
HB-2-(20-25)-12-17-21MSD

Tgt Ion: 91 Resp: 632792
Ion Ratio Lower Upper
91 100
126 32.0 16.6 49.7

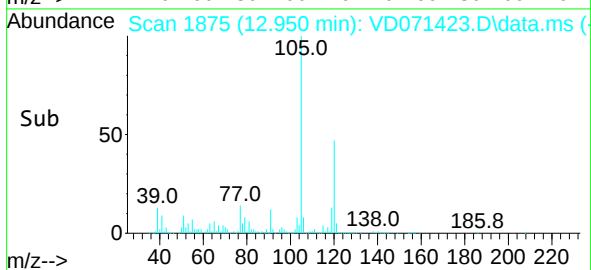
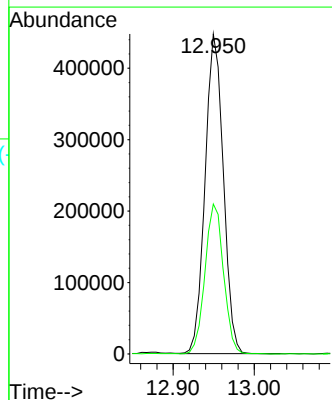
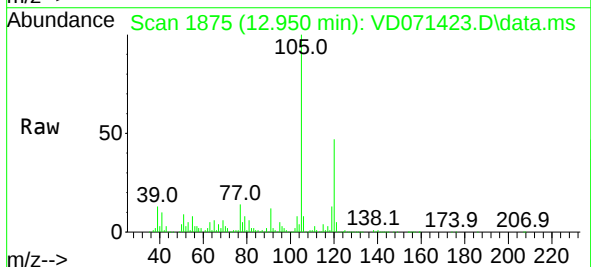
Manual Integrations
APPROVED

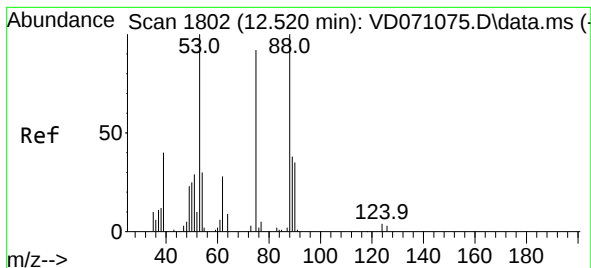
Reviewed By :Semsettin Yesilyurt 12/22/2021
Supervised By :Amit Patel 12/24/2021



#80
1,3,5-Trimethylbenzene
Concen: 49.541 ug/l
RT: 12.950 min Scan# 1875
Delta R.T. 0.001 min
Lab File: VD071423.D
Acq: 21 Dec 2021 21:03

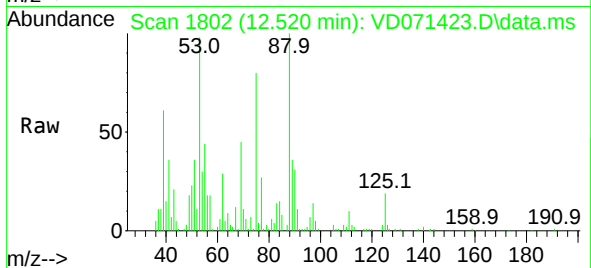
Tgt Ion:105 Resp: 698556
Ion Ratio Lower Upper
105 100
120 47.7 24.6 73.8





#81
trans-1,4-Dichloro-2-butene
Concen: 50.628 ug/l
RT: 12.520 min Scan# 1802
Delta R.T. 0.000 min
Lab File: VD071423.D
Acq: 21 Dec 2021 21:03

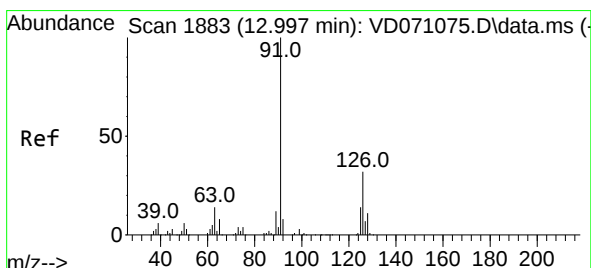
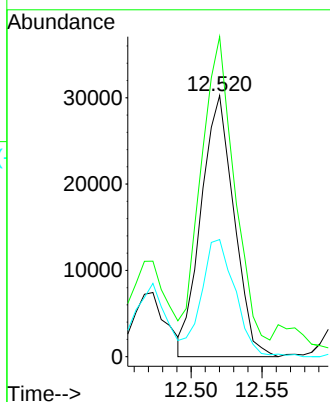
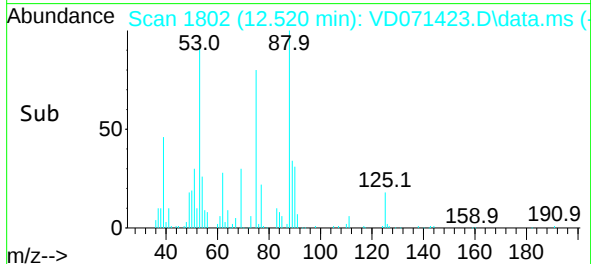
Instrument : MSVOA_D
ClientSampleId : HB-2-(20-25)-12-17-21MSD



Tgt Ion: 75 Resp: 48782
Ion Ratio Lower Upper
75 100
53 114.5 62.6 94.0
89 46.6 34.5 51.7

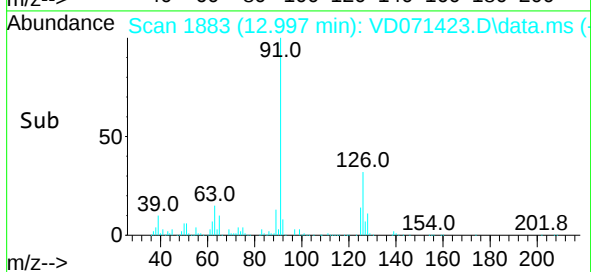
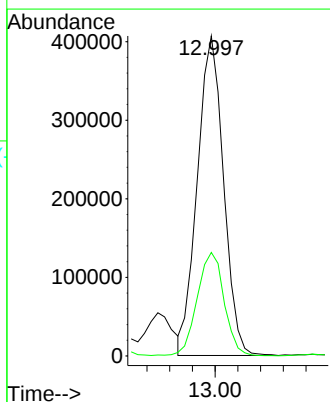
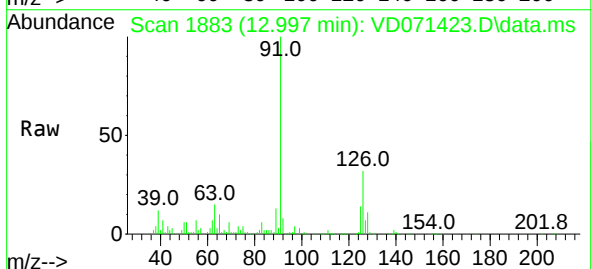
Manual Integrations
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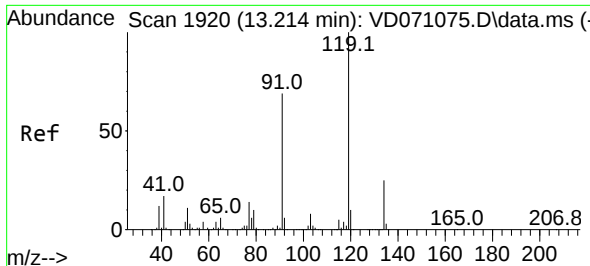
Reviewed By :Semsettin Yesilyurt 12/22/2021
Supervised By :Amit Patel 12/24/2021



#82
4-Chlorotoluene
Concen: 52.481 ug/l
RT: 12.997 min Scan# 1883
Delta R.T. -0.000 min
Lab File: VD071423.D
Acq: 21 Dec 2021 21:03

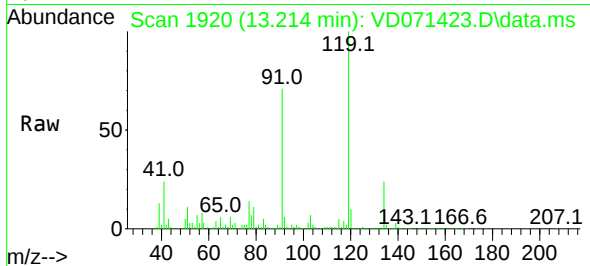
Tgt Ion: 91 Resp: 651186
Ion Ratio Lower Upper
91 100
126 33.3 16.4 49.1





#83
tert-Butylbenzene
Concen: 48.514 ug/l
RT: 13.214 min Scan# 1920
Delta R.T. 0.000 min
Lab File: VD071423.D
Acq: 21 Dec 2021 21:03

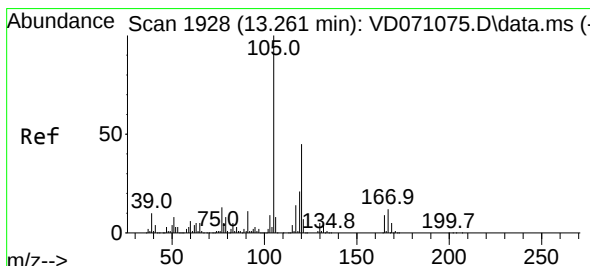
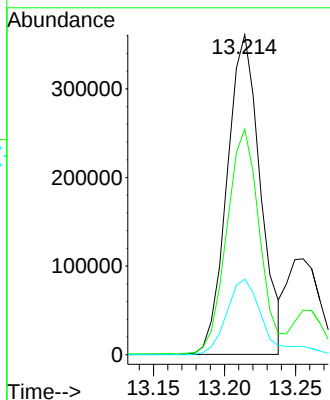
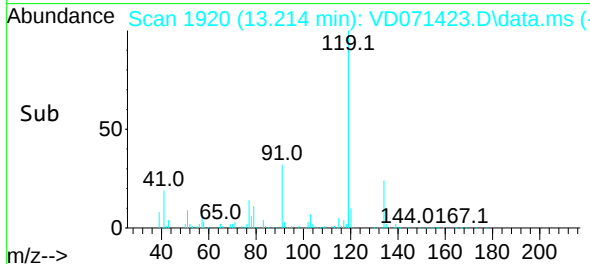
Instrument : MSVOA_D
ClientSampleId : HB-2-(20-25)-12-17-21MSD



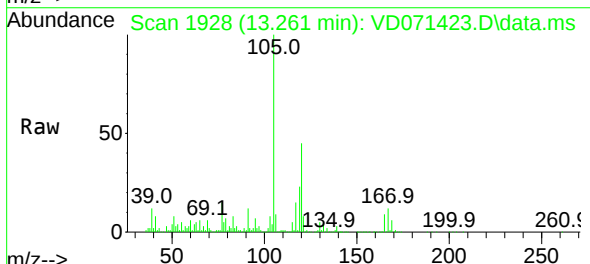
Tgt Ion:119 Resp: 587489
Ion Ratio Lower Upper
119 100
91 70.1 32.5 97.5
134 26.1 13.2 39.6

Manual Integrations
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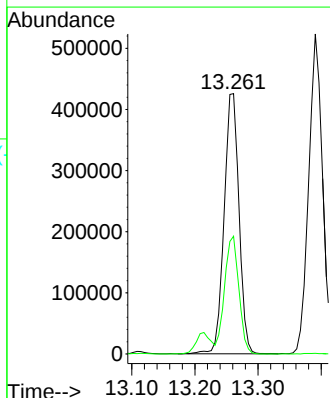
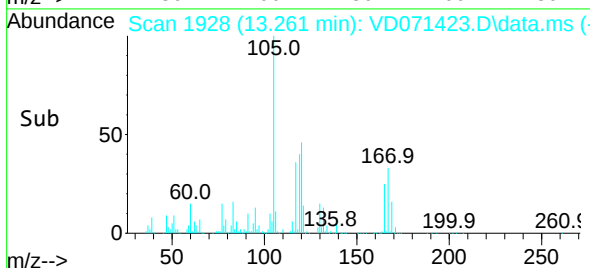
Reviewed By :Semsettin Yesilyurt 12/22/2021
Supervised By :Amit Patel 12/24/2021

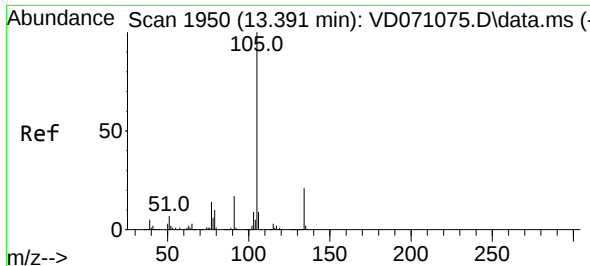


#84
1,2,4-Trimethylbenzene
Concen: 50.612 ug/l
RT: 13.261 min Scan# 1928
Delta R.T. 0.000 min
Lab File: VD071423.D
Acq: 21 Dec 2021 21:03



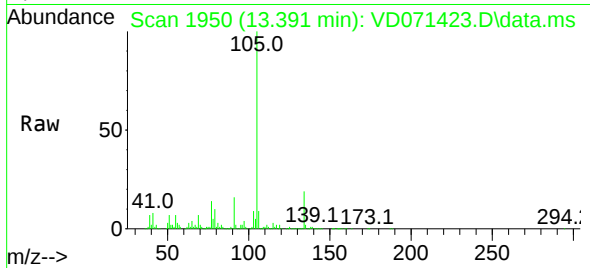
Tgt Ion:105 Resp: 696762
Ion Ratio Lower Upper
105 100
120 43.5 22.9 68.7





#85
 sec-Butylbenzene
 Concen: 42.941 ug/l
 RT: 13.391 min Scan# 1950
 Delta R.T. -0.000 min
 Lab File: VD071423.D
 Acq: 21 Dec 2021 21:03

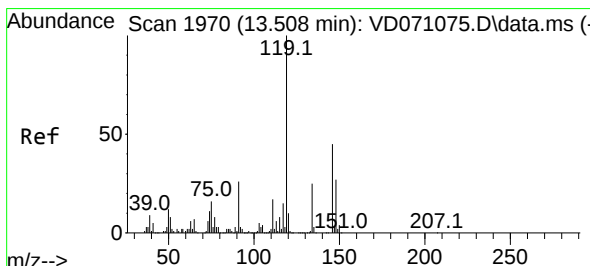
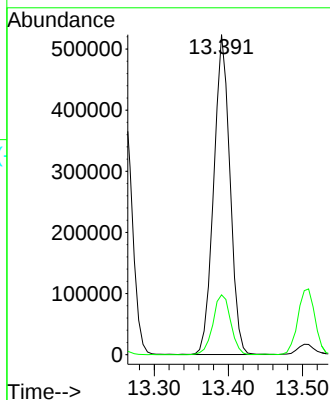
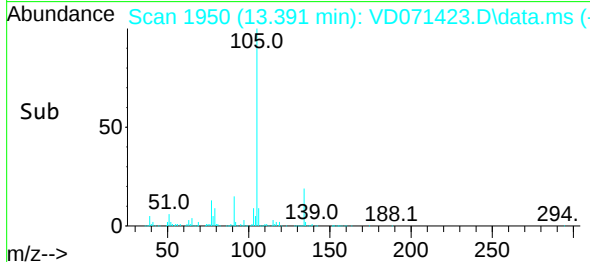
Instrument : MSVOA_D
 ClientSampleId : HB-2-(20-25)-12-17-21MSD



Tgt Ion:105 Resp: 794220
 Ion Ratio Lower Upper
 105 100
 134 20.4 9.7 28.9

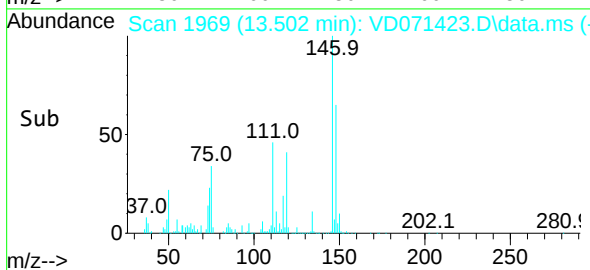
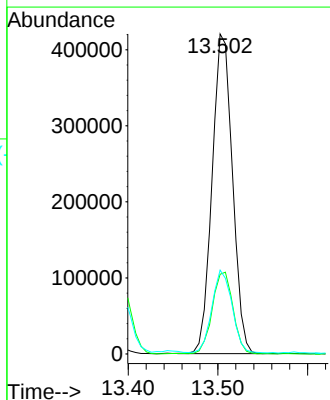
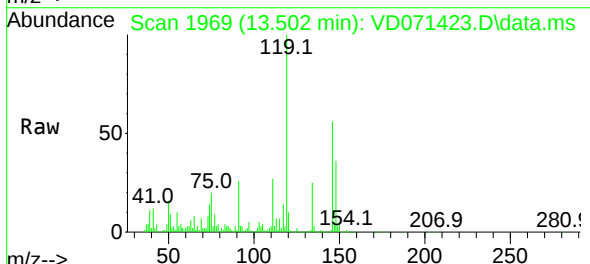
Manual Integrations
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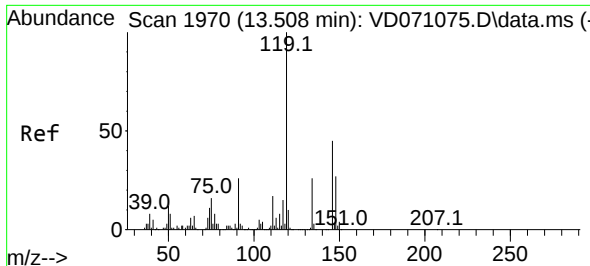
Reviewed By :Semsettin Yesilyurt 12/22/2021
 Supervised By :Amit Patel 12/24/2021



#86
 p-Isopropyltoluene
 Concen: 43.779 ug/l
 RT: 13.502 min Scan# 1969
 Delta R.T. -0.006 min
 Lab File: VD071423.D
 Acq: 21 Dec 2021 21:03

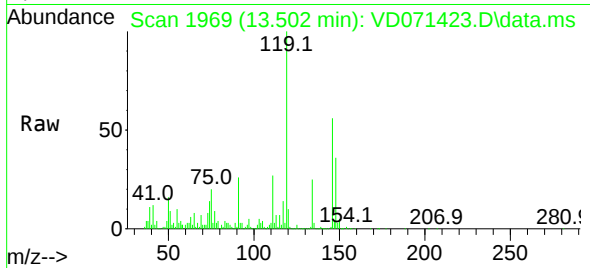
Tgt Ion:119 Resp: 662274
 Ion Ratio Lower Upper
 119 100
 134 25.9 13.0 38.9
 91 25.6 11.4 34.2





#87
 1,3-Dichlorobenzene
 Concen: 53.050 ug/l
 RT: 13.502 min Scan# 1969
 Delta R.T. -0.006 min
 Lab File: VD071423.D
 Acq: 21 Dec 2021 21:03

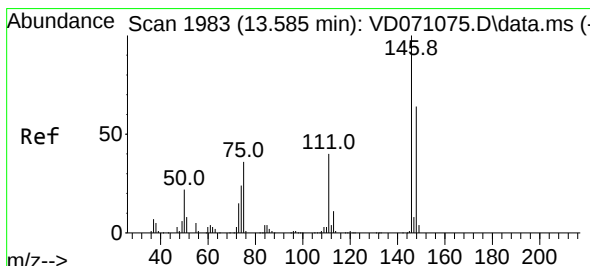
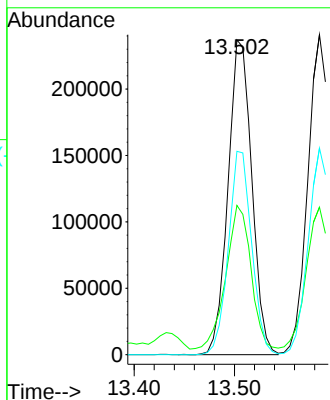
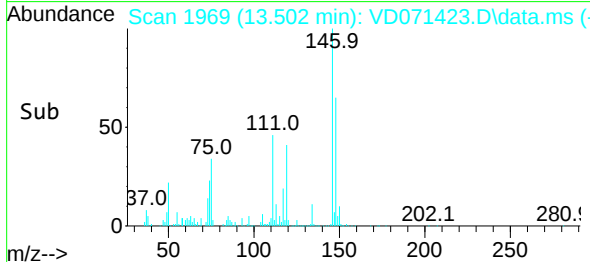
Instrument :
 MSVOA_D
 ClientSampleId :
 HB-2-(20-25)-12-17-21MSD



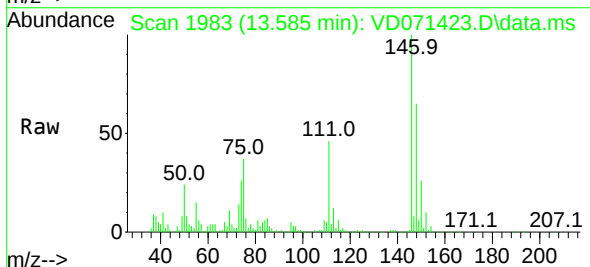
Tgt Ion:146 Resp: 391135
 Ion Ratio Lower Upper
 146 100
 111 48.0 19.8 59.4
 148 63.2 32.1 96.3

Manual Integrations
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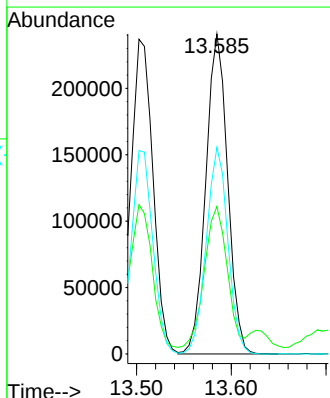
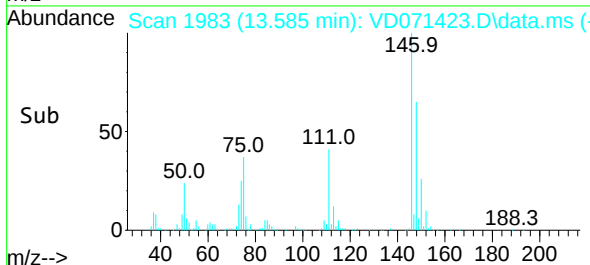
Reviewed By :Semsettin Yesilyurt 12/22/2021
 Supervised By :Amit Patel 12/24/2021

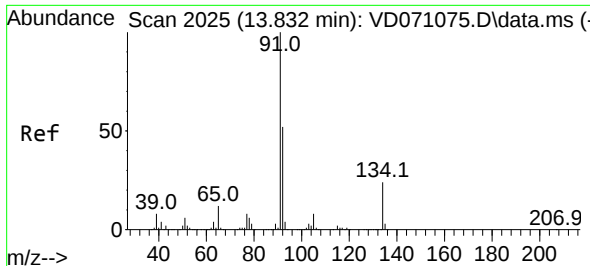


#88
 1,4-Dichlorobenzene
 Concen: 52.854 ug/l
 RT: 13.585 min Scan# 1983
 Delta R.T. -0.000 min
 Lab File: VD071423.D
 Acq: 21 Dec 2021 21:03



Tgt Ion:146 Resp: 386079
 Ion Ratio Lower Upper
 146 100
 111 46.5 19.6 58.8
 148 64.1 31.5 94.5





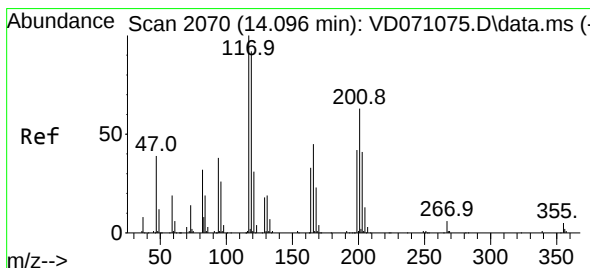
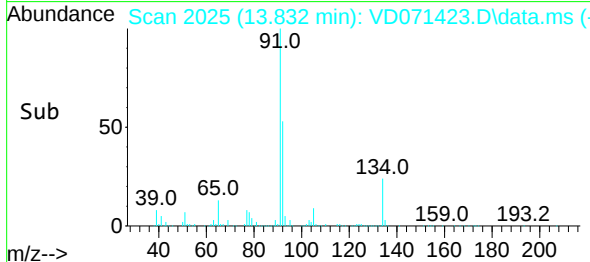
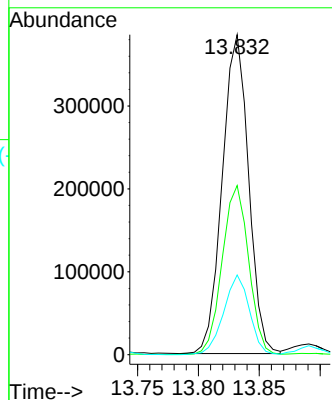
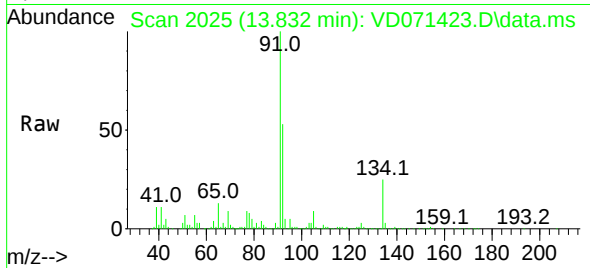
#89
n-Butylbenzene
Concen: 39.157 ug/l
RT: 13.832 min Scan# 2025
Delta R.T. -0.000 min
Lab File: VD071423.D
Acq: 21 Dec 2021 21:03

Instrument : MSVOA_D
ClientSampleId : HB-2-(20-25)-12-17-21MSD

Tgt Ion: 91 Resp: 578239
Ion Ratio Lower Upper
91 100
92 53.2 27.3 81.9
134 24.5 12.3 36.9

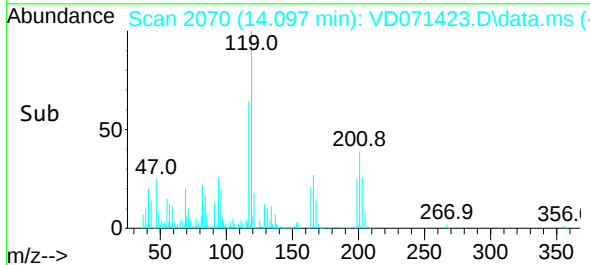
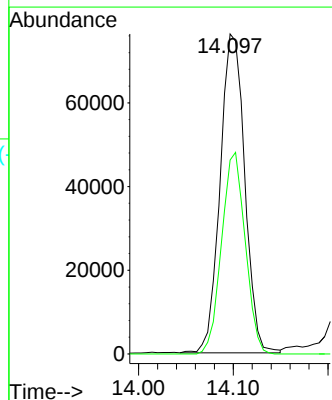
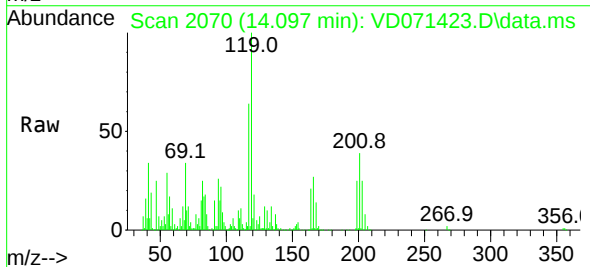
Manual Integrations
APPROVED

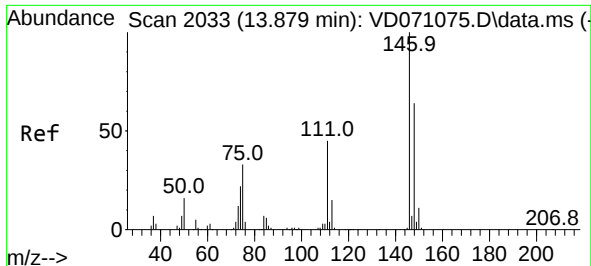
Reviewed By :Semsettin Yesilyurt 12/22/2021
Supervised By :Amit Patel 12/24/2021



#90
Hexachloroethane
Concen: 48.085 ug/l
RT: 14.097 min Scan# 2070
Delta R.T. 0.001 min
Lab File: VD071423.D
Acq: 21 Dec 2021 21:03

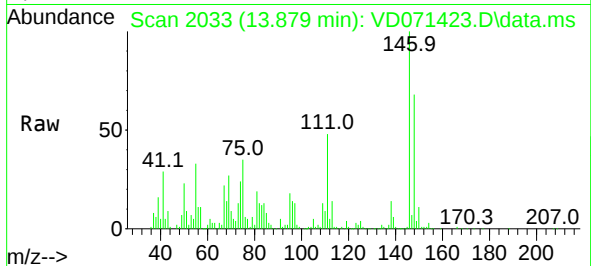
Tgt Ion:117 Resp: 137893
Ion Ratio Lower Upper
117 100
201 60.6 36.0 108.1





#91
1,2-Dichlorobenzene
Concen: 56.129 ug/l
RT: 13.879 min Scan# 2033
Delta R.T. -0.000 min
Lab File: VD071423.D
Acq: 21 Dec 2021 21:03

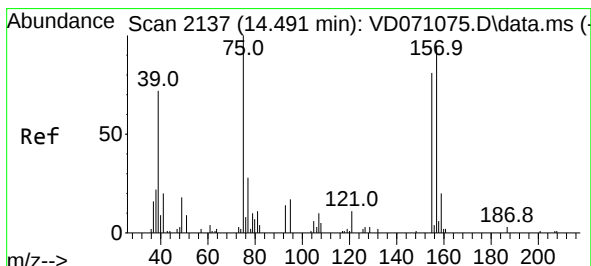
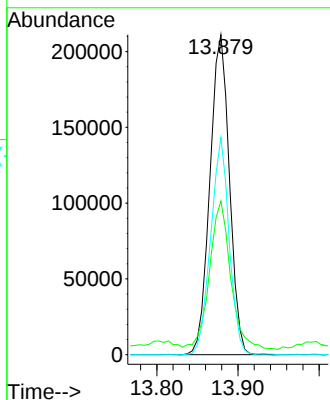
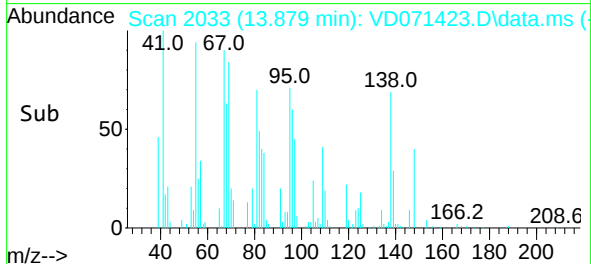
Instrument : MSVOA_D
ClientSampleId : HB-2-(20-25)-12-17-21MSD



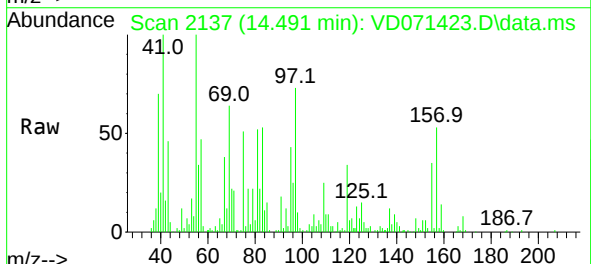
Tgt Ion:146 Resp: 351920
Ion Ratio Lower Upper
146 100
111 50.4 20.8 62.2
148 64.5 31.7 95.1

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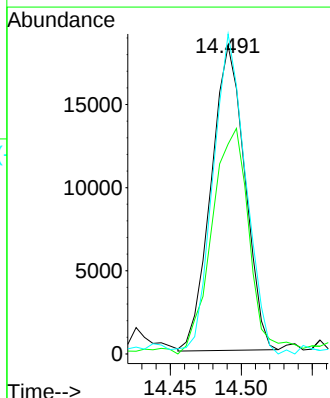
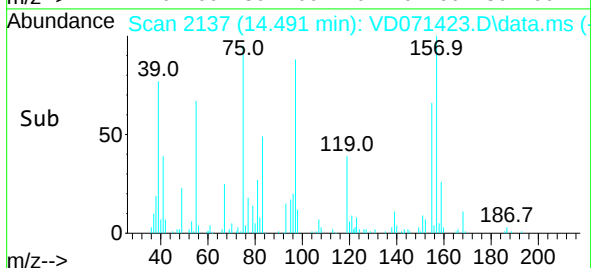
Reviewed By :Semsettin Yesilyurt 12/22/2021
Supervised By :Amit Patel 12/24/2021

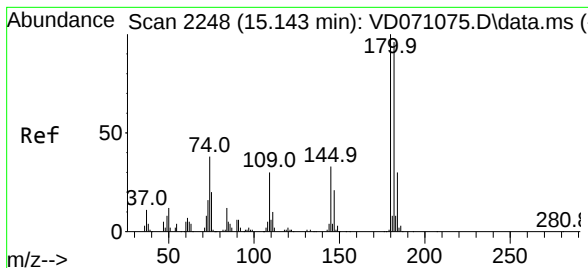


#92
1,2-Dibromo-3-Chloropropane
Concen: 66.259 ug/l
RT: 14.491 min Scan# 2137
Delta R.T. -0.000 min
Lab File: VD071423.D
Acq: 21 Dec 2021 21:03



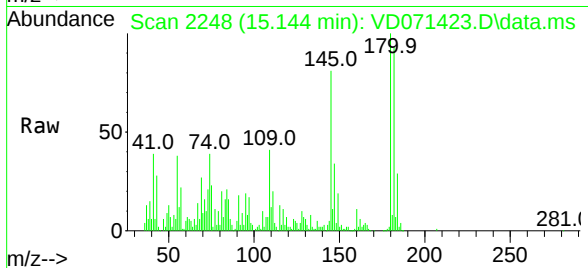
Tgt Ion: 75 Resp: 30385
Ion Ratio Lower Upper
75 100
155 82.1 40.0 120.0
157 101.6 49.8 149.3





#93
1,2,4-Trichlorobenzene
Concen: 46.425 ug/l
RT: 15.144 min Scan# 211
Delta R.T. 0.001 min
Lab File: VD071423.D
Acq: 21 Dec 2021 21:03

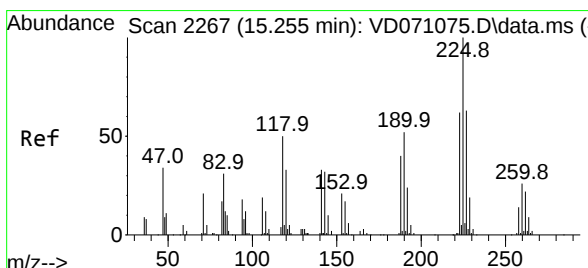
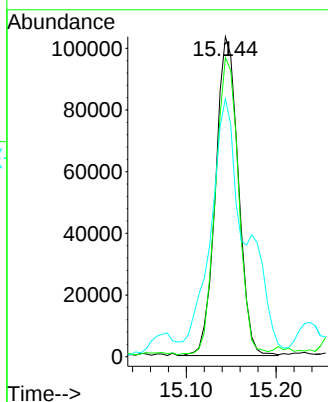
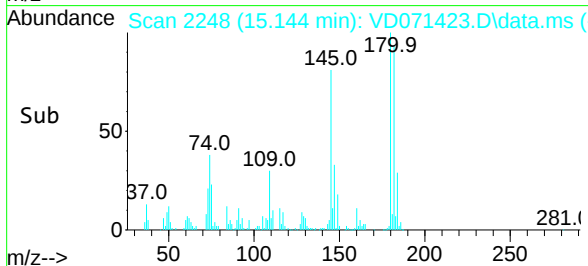
Instrument :
MSVOA_D
ClientSampleId :
HB-2-(20-25)-12-17-21MSD



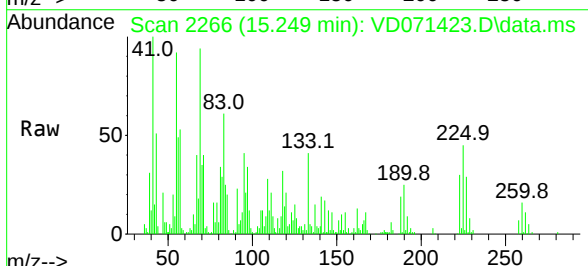
Tgt Ion:180 Resp: 181570
Ion Ratio Lower Upper
180 100
182 94.6 48.2 144.6
145 126.2 15.4 46.2

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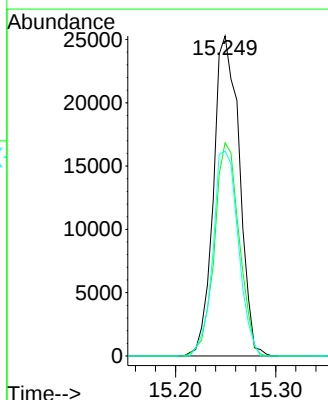
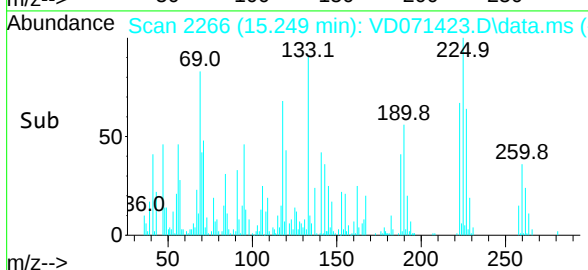
Reviewed By :Semsettin Yesilyurt 12/22/2021
Supervised By :Amit Patel 12/24/2021

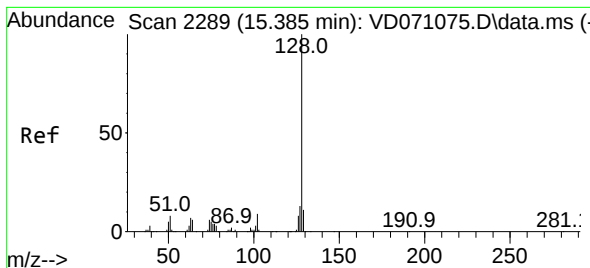


#94
Hexachlorobutadiene
Concen: 20.415 ug/l
RT: 15.249 min Scan# 2266
Delta R.T. -0.006 min
Lab File: VD071423.D
Acq: 21 Dec 2021 21:03



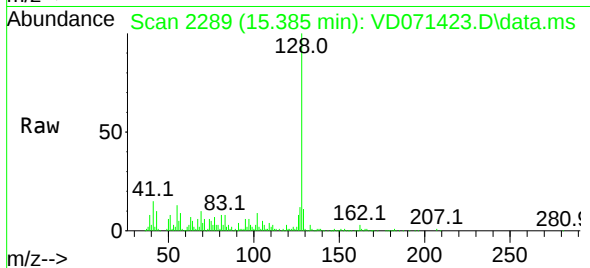
Tgt Ion:225 Resp: 45176
Ion Ratio Lower Upper
225 100
223 64.2 31.8 95.3
227 62.9 31.6 94.8





#95
Naphthalene
Concen: 66.849 ug/l
RT: 15.385 min Scan# 21
Delta R.T. -0.000 min
Lab File: VD071423.D
Acq: 21 Dec 2021 21:03

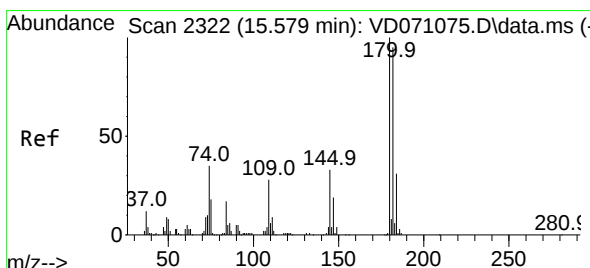
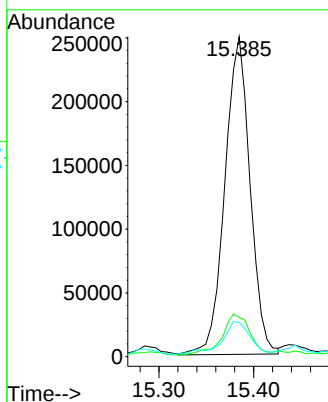
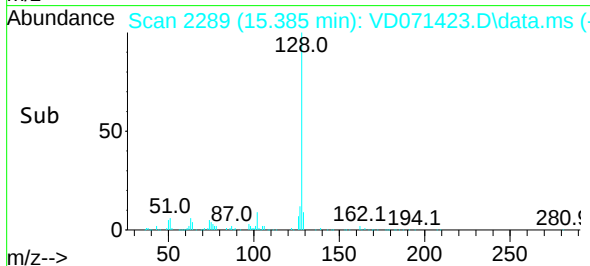
Instrument :
MSVOA_D
ClientSampleId :
HB-2-(20-25)-12-17-21MSD



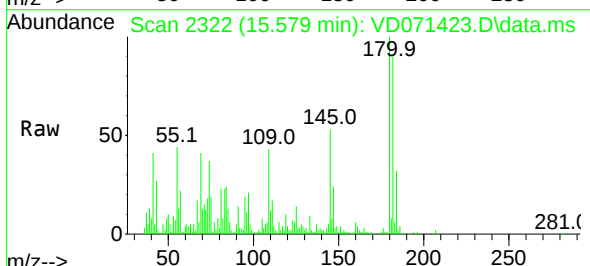
Tgt Ion:128 Resp: 460889
Ion Ratio Lower Upper
128 100
127 14.1 10.7 16.1
129 11.4 8.7 13.1

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 12/22/2021
Supervised By :Amit Patel 12/24/2021



#96
1,2,3-Trichlorobenzene
Concen: 51.800 ug/l
RT: 15.579 min Scan# 2322
Delta R.T. -0.000 min
Lab File: VD071423.D
Acq: 21 Dec 2021 21:03



Tgt Ion:180 Resp: 172070
Ion Ratio Lower Upper
180 100
182 87.0 46.7 140.1
145 79.9 15.9 47.6#

