

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW120121\
 Data File : VW020998.D
 Acq On : 01 Dec 2021 10:43
 Operator : SY/VA
 Sample : M4868-01
 Misc : 5.10g/10.0mL/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 BGKN8

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 12/05/2021
 Supervised By : Amit Patel 12/07/2021

Quant Time: Dec 02 01:57:11 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM111521SMA.M
 Quant Title : SFAM01.0
 QLast Update : Thu Dec 02 01:54:41 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	8.841	114	135794	25.000	ug/L	# 0.00
28) Chlorobenzene-d5	11.633	117	115064	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.560	152	61078	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.355	65	24948	15.839	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	63.360%
7) Chloroethane-d5	2.891	69	16960	16.695	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	66.760%
11) 1,1-Dichloroethene-d2	4.019	63	35545	11.663	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	46.640%
21) 2-Butanone-d5	7.085	46	11727	29.828	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	59.660%
24) Chloroform-d	7.652	84	56846	16.614	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	66.440%
26) 1,2-Dichloroethane-d4	8.305	65	26594	15.313	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	61.240%#
32) Benzene-d6	8.274	84	107275	17.689	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	70.760%
36) 1,2-Dichloropropane-d6	9.274	67	30347	17.573	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	70.280%
41) Toluene-d8	10.323	98	103284	17.159	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	68.640%
43) trans-1,3-Dichloroprop...	10.579	79	11994	14.694	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	58.760%
47) 2-Hexanone-d5	10.926	63	9045	31.580	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	63.160%
56) 1,1,2,2-Tetrachloroeth...	12.694	84	20279	15.329	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	61.320%
66) 1,2-Dichlorobenzene-d4	13.853	152	40908	18.792	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	75.160%
Target Compounds						
						Qvalue
5) Vinyl chloride	2.367	62	170151	82.332	ug/L	94
13) Acetone	4.123	43	107441	306.083	ug/L	91
16) Methylene chloride	4.921	84	24579m	12.978	ug/L	
17) trans-1,2-Dichloroethene	5.421	96	13761	7.504	ug/L	82
19) 1,1-Dichloroethane	6.220	63	6214	2.045	ug/L	97
20) cis-1,2-Dichloroethene	7.171	96	1914967	968.955	ug/L	70
27) 1,2-Dichloroethane	8.402	62	26773	13.314	ug/L	# 95
29) Cyclohexane	7.927	56	6605	2.575	ug/L	# 79
33) Benzene	8.323	78	624871	95.914	ug/L	100
34) Trichloroethene	9.097	95	9802	5.379	ug/L	97
35) Methylcyclohexane	9.335	83	14473	4.817	ug/L	# 63
40) 4-Methyl-2-pentanone	10.213	43	31421	34.817	ug/L	# 94
42) Toluene	10.390	91	1561926	213.144	ug/L	99
46) Tetrachloroethene	10.859	164	2029	1.213	ug/L	96
51) Chlorobenzene	11.658	112	43429	8.911	ug/L	92
52) Ethylbenzene	11.731	91	5679101	699.380	ug/L	93
53) m,p-Xylene	11.847	106	6969195	2102.178	ug/L	72
54) o-Xylene	12.170	106	2145572	673.876	ug/L	84
60) Isopropylbenzene	12.463	105	725669	87.231	ug/L	96

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW120121\
 Data File : VW020998.D
 Acq On : 01 Dec 2021 10:43
 Operator : SY/VA
 Sample : M4868-01
 Misc : 5.10g/10.0mL/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 BGKN8

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 12/05/2021
 Supervised By :Amit Patel 12/07/2021

Quant Time: Dec 02 01:57:11 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM111521SMA.M
 Quant Title : SFAM01.0
 QLast Update : Thu Dec 02 01:54:41 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
62) 1,3,5-Trimethylbenzene	12.944	105	1000617	142.584	ug/L	94
63) 1,2,4-Trimethylbenzene	13.249	105	3388557	489.395	ug/L	95
67) 1,2-Dichlorobenzene	13.871	146	69026	20.084	ug/L	92
70) 1,2,4-trichlorobenzene	15.133	180	15859	6.275	ug/L #	31

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

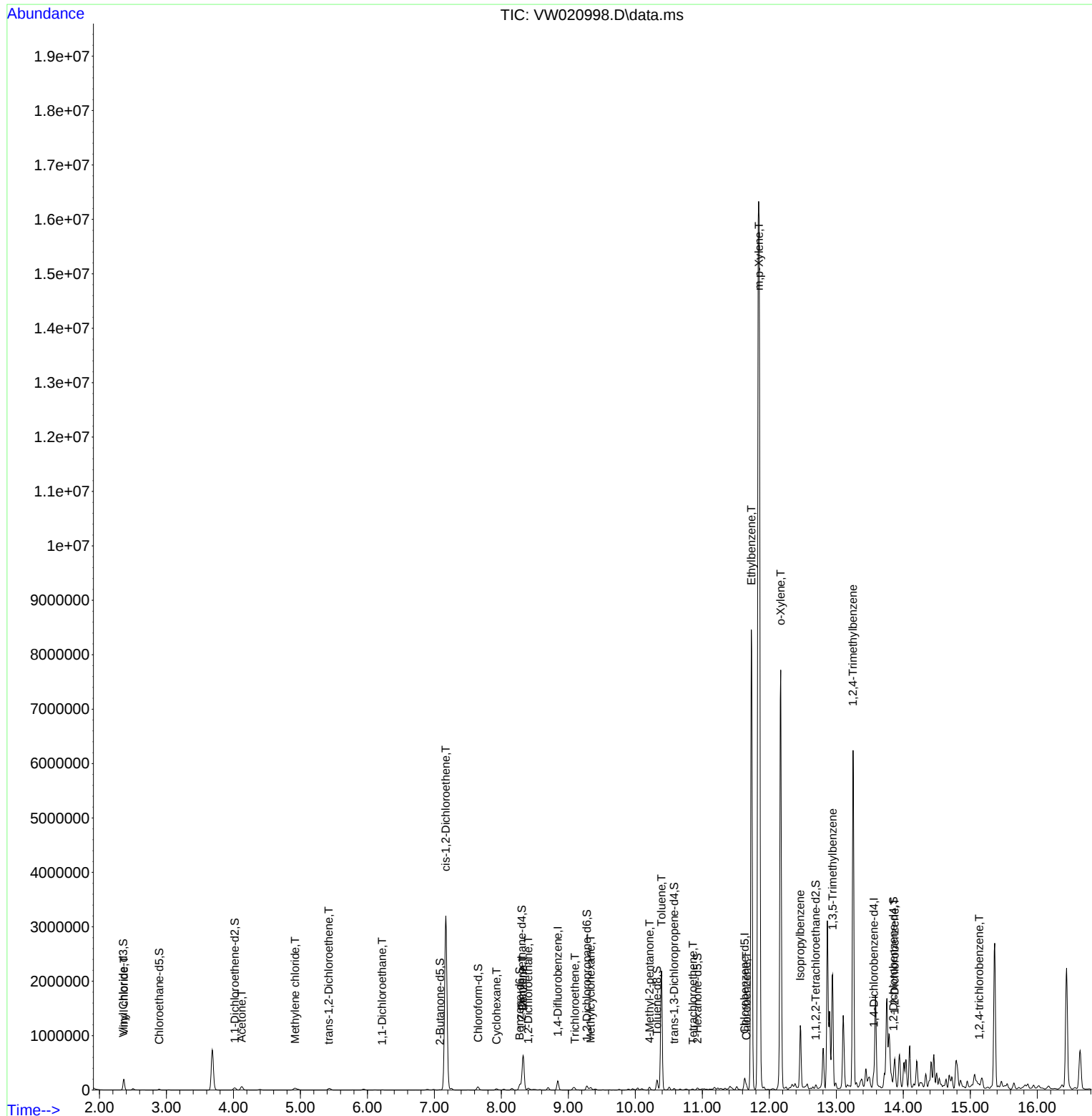
Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW120121\
Data File : VW020998.D
Acq On : 01 Dec 2021 10:43
Operator : SY/VA
Sample : M4868-01
Misc : 5.10g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

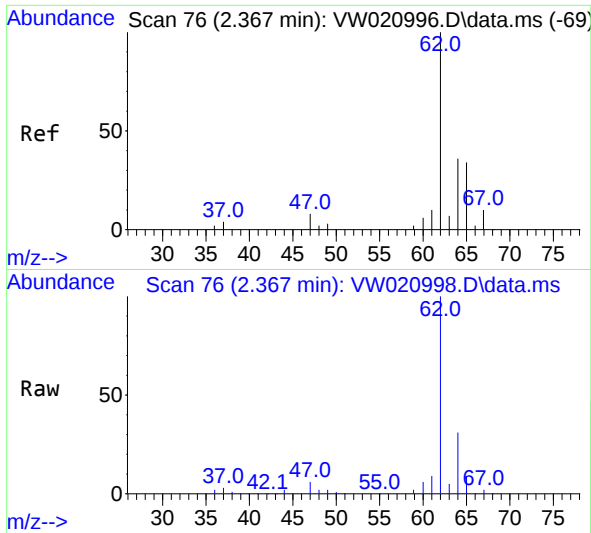
Instrument :
MSVOA_W
ClientSampleId :
BGKN8

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 12/05/2021
Supervised By :Amit Patel 12/07/2021

Quant Time: Dec 02 01:57:11 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM111521SMA.M
Quant Title : SFAM01.0
QLast Update : Thu Dec 02 01:54:41 2021
Response via : Initial Calibration





#5

Vinyl chloride

Concen: 82.332 ug/L

RT: 2.367 min Scan# 70

Delta R.T. -0.000 min

Lab File: VW020998.D

Acq: 01 Dec 2021 10:43

Instrument :

MSVOA_W

ClientSampleId :

BGKN8

Tgt Ion: 62 Resp: 17015

Ion Ratio Lower Upper

62 100

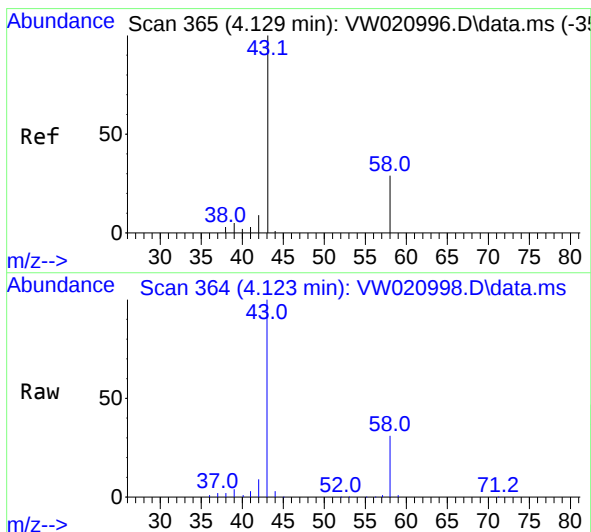
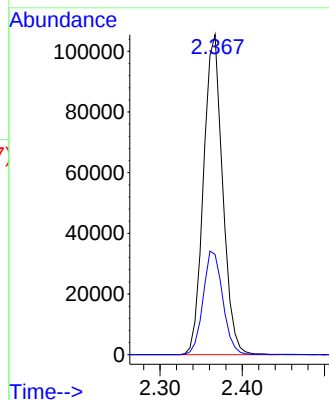
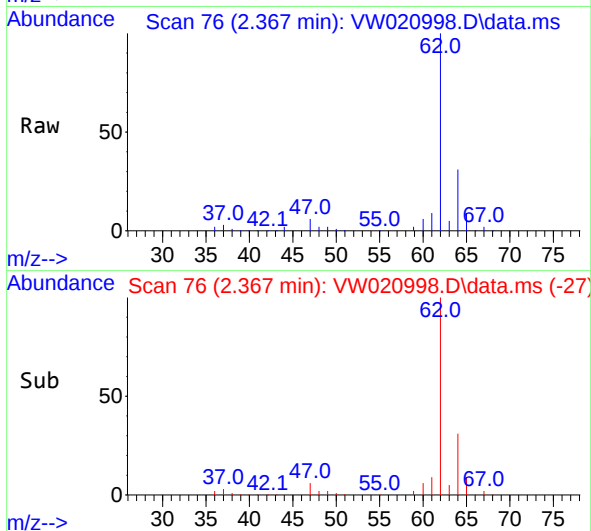
64 31.4 24.4 45.2

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 12/05/2021

Supervised By :Amit Patel 12/07/2021



#13

Acetone

Concen: 306.083 ug/L

RT: 4.123 min Scan# 364

Delta R.T. -0.006 min

Lab File: VW020998.D

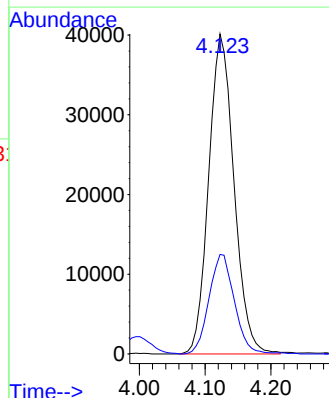
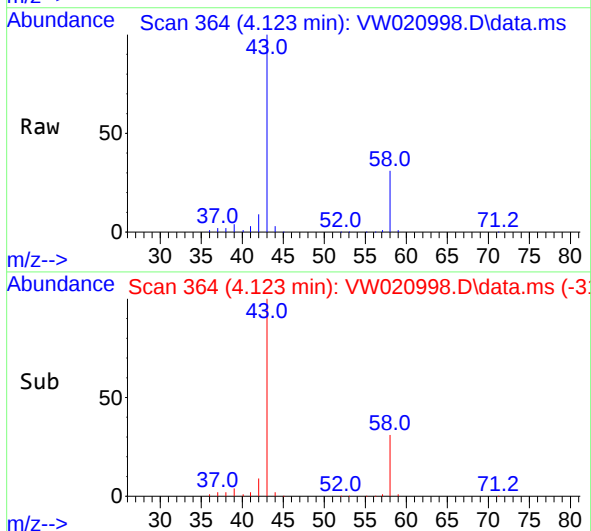
Acq: 01 Dec 2021 10:43

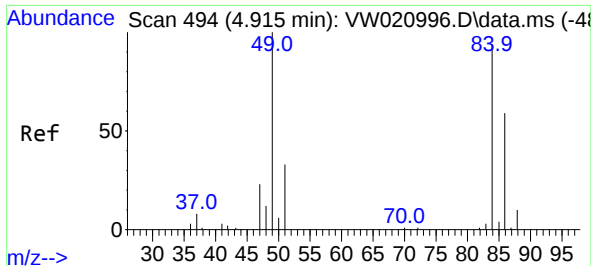
Tgt Ion: 43 Resp: 107441

Ion Ratio Lower Upper

43 100

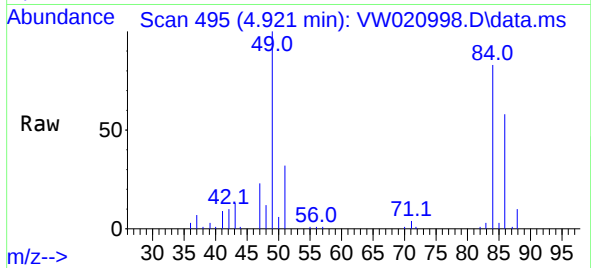
58 31.1 0.0 52.8





#16
Methylene chloride
Concen: 12.978 ug/L m
RT: 4.921 min Scan# 494
Delta R.T. 0.006 min
Lab File: VW020998.D
Acq: 01 Dec 2021 10:43

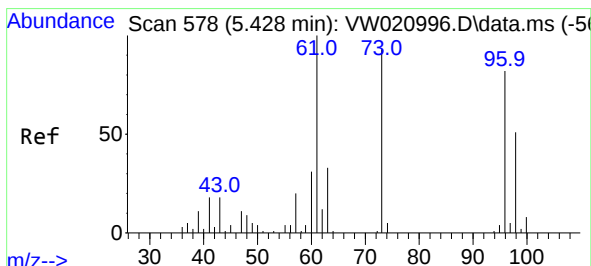
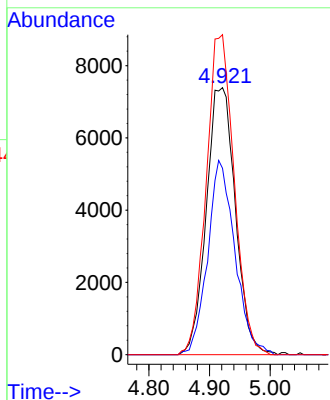
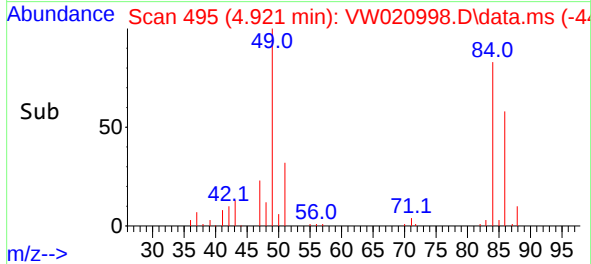
Instrument :
MSVOA_W
ClientSampleId :
BGKN8



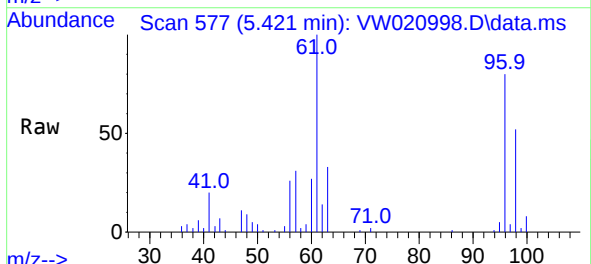
Tgt Ion: 84 Resp: 24579
Ion Ratio Lower Upper
84 100
86 69.8 45.5 84.5
49 119.8 100.5 186.7

Manual Integrations
APPROVED

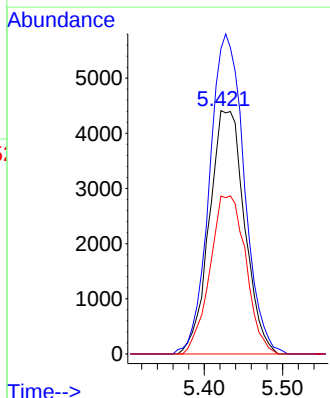
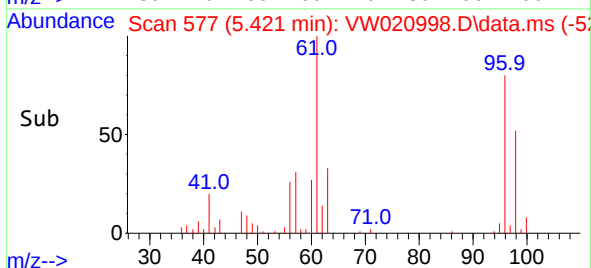
Reviewed By :Semsettin Yesilyurt 12/05/2021
Supervised By :Amit Patel 12/07/2021

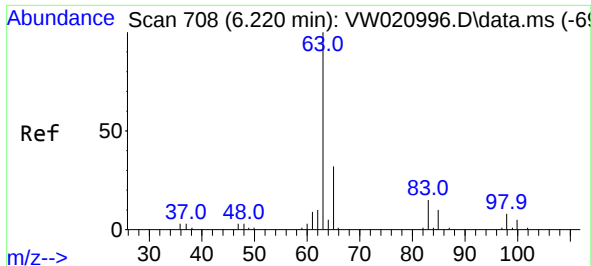


#17
trans-1,2-Dichloroethene
Concen: 7.504 ug/L
RT: 5.421 min Scan# 577
Delta R.T. -0.006 min
Lab File: VW020998.D
Acq: 01 Dec 2021 10:43



Tgt Ion: 96 Resp: 13761
Ion Ratio Lower Upper
96 100
61 125.4 107.4 199.4
98 64.9 41.2 76.6





#19

1,1-Dichloroethane

Concen: 2.045 ug/L

RT: 6.220 min Scan# 708

Delta R.T. -0.000 min

Lab File: VW020998.D

Acq: 01 Dec 2021 10:43

Instrument :

MSVOA_W

ClientSampleId :

BGKN8

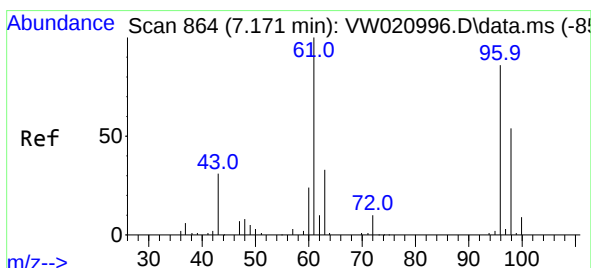
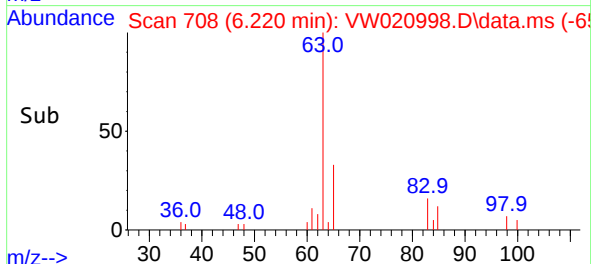
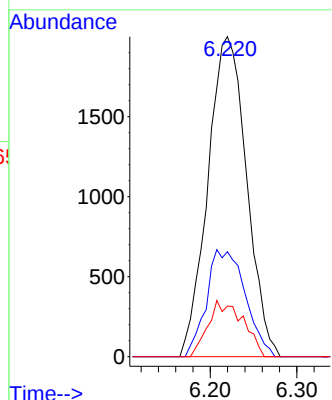
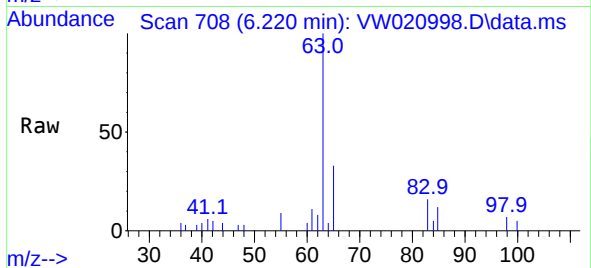
Tgt Ion: 63 Resp: 6214

Ion	Ratio	Lower	Upper
63	100		
65	32.8	22.1	41.1
83	15.8	9.2	17.2

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 12/05/2021
Supervised By :Amit Patel 12/07/2021



#20

cis-1,2-Dichloroethene

Concen: 968.955 ug/L

RT: 7.171 min Scan# 864

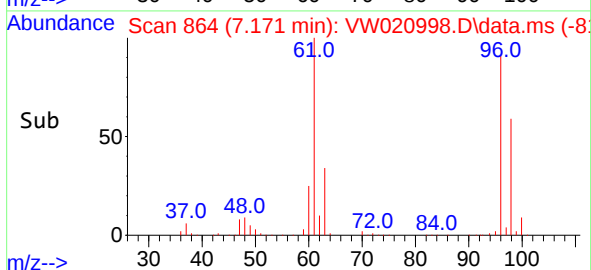
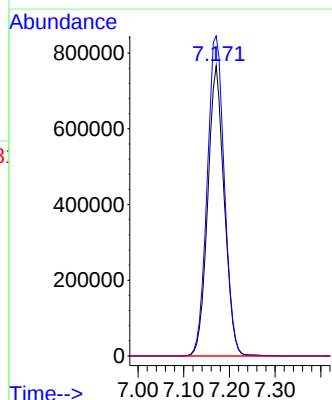
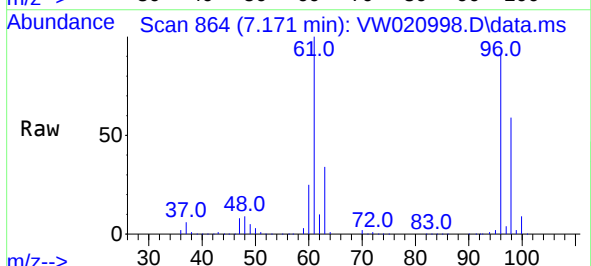
Delta R.T. -0.000 min

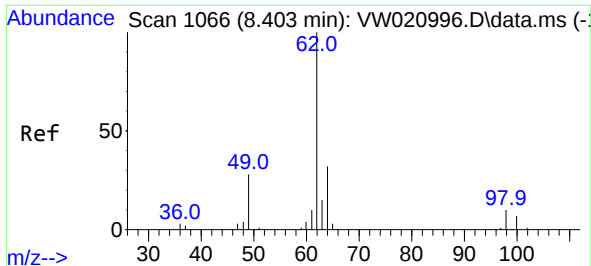
Lab File: VW020998.D

Acq: 01 Dec 2021 10:43

Tgt Ion: 96 Resp: 1914967

Ion	Ratio	Lower	Upper
96	100		
61	110.3	103.7	192.7
68	0.0	0.0	0.0





#27

1,2-Dichloroethane

Concen: 13.314 ug/L

RT: 8.402 min Scan# 1066

Delta R.T. -0.000 min

Lab File: VW020998.D

Acq: 01 Dec 2021 10:43

Instrument :

MSVOA_W

ClientSampleId :

BGKN8

Tgt Ion: 62 Resp: 2677

Ion Ratio Lower Upper

62 100

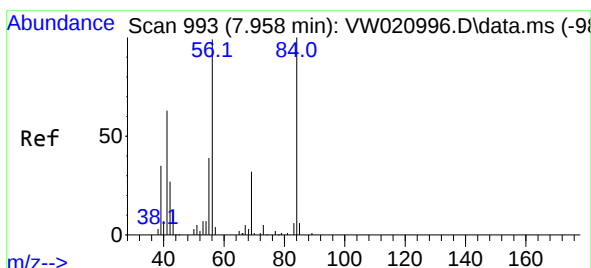
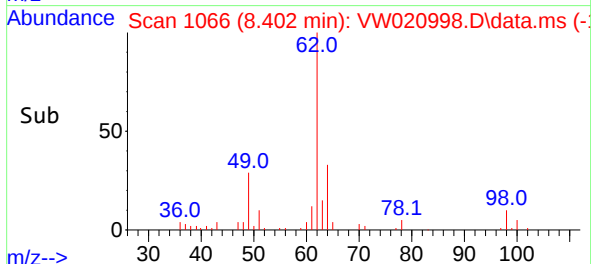
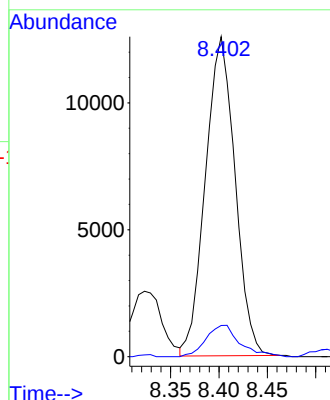
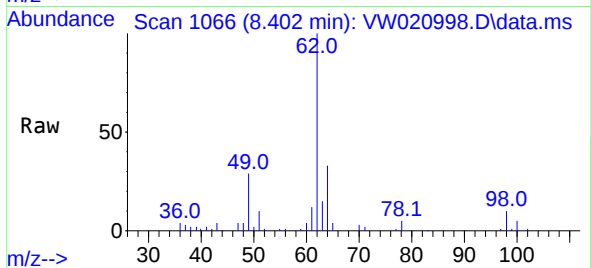
98 9.7 6.5 9.7

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 12/05/2021

Supervised By :Amit Patel 12/07/2021



#29

Cyclohexane

Concen: 2.575 ug/L

RT: 7.927 min Scan# 988

Delta R.T. -0.031 min

Lab File: VW020998.D

Acq: 01 Dec 2021 10:43

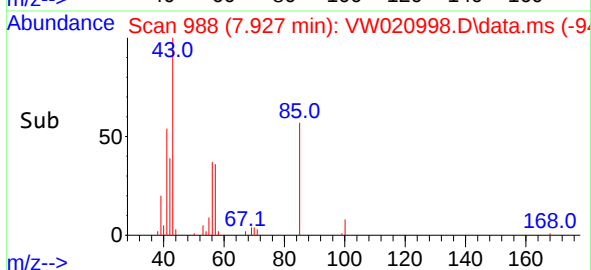
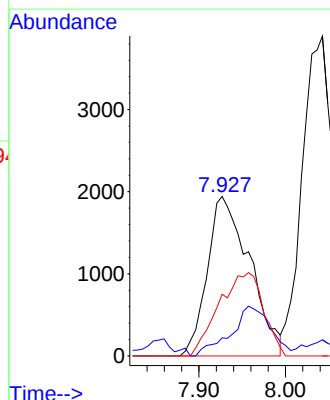
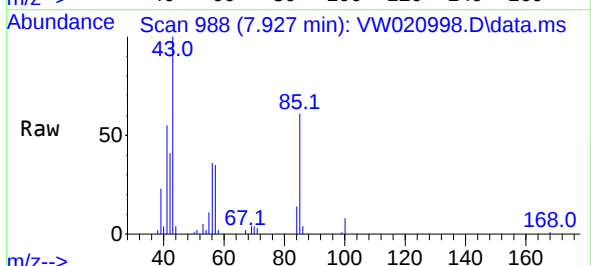
Tgt Ion: 56 Resp: 6605

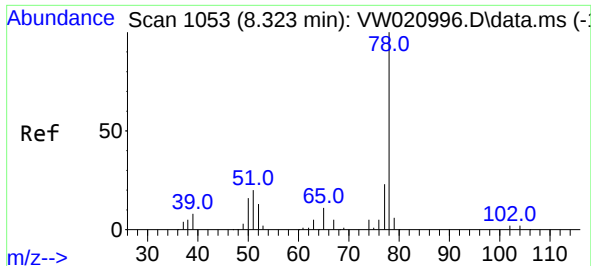
Ion Ratio Lower Upper

56 100

69 29.0 23.5 35.3

84 54.7 63.4 95.2





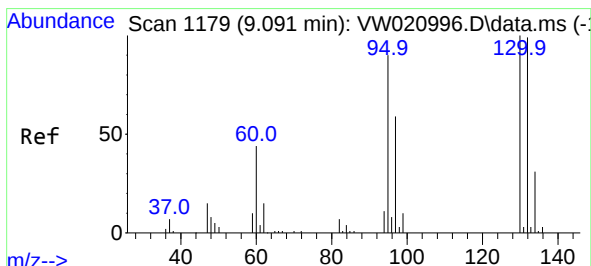
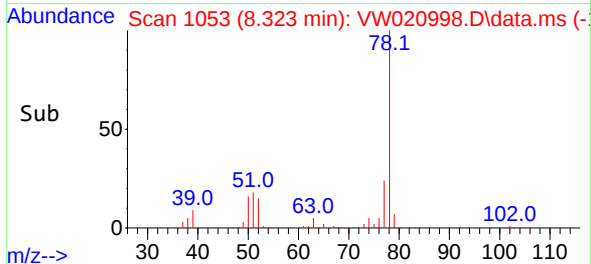
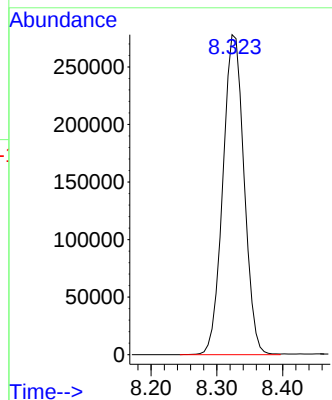
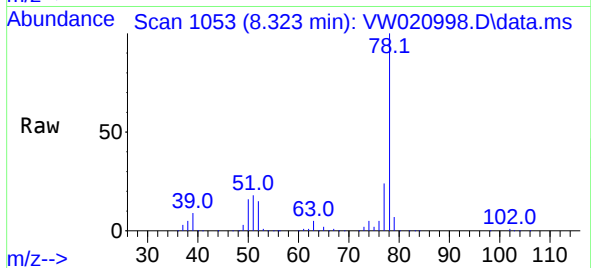
#33
Benzene
Concen: 95.914 ug/L
RT: 8.323 min Scan# 1180
Delta R.T. -0.000 min
Lab File: VW020998.D
Acq: 01 Dec 2021 10:43

Instrument :
MSVOA_W
ClientSampleId :
BGKN8

Tgt Ion: 78 Resp: 62487

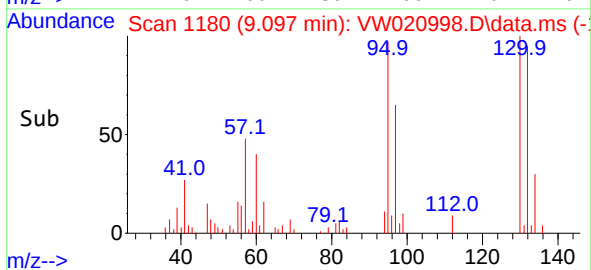
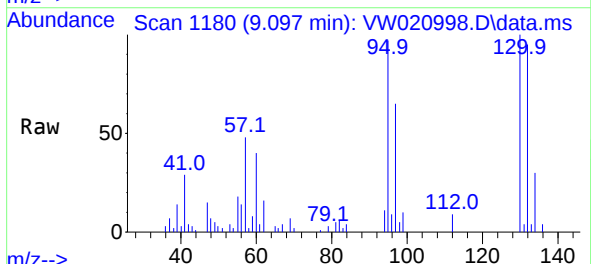
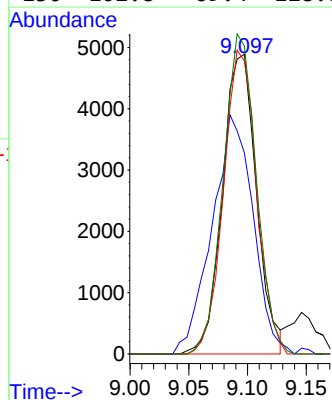
Manual Integrations
APPROVED

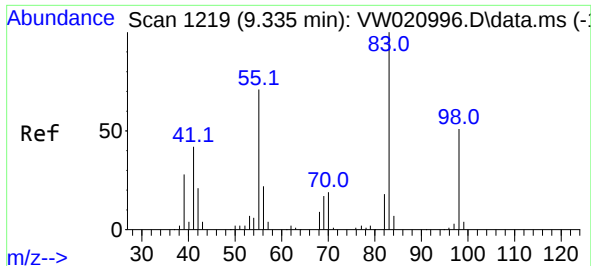
Reviewed By :Semsettin Yesilyurt 12/05/2021
Supervised By :Amit Patel 12/07/2021



#34
Trichloroethene
Concen: 5.379 ug/L
RT: 9.097 min Scan# 1180
Delta R.T. 0.006 min
Lab File: VW020998.D
Acq: 01 Dec 2021 10:43

Tgt Ion: 95 Resp: 9802
Ion Ratio Lower Upper
95 100
97 67.1 47.0 87.2
132 97.9 65.5 121.6
130 102.8 69.4 128.8





#35

Methylcyclohexane

Concen: 4.817 ug/L

RT: 9.335 min Scan# 1219

Delta R.T. -0.000 min

Lab File: VW020998.D

Acq: 01 Dec 2021 10:43

Instrument :

MSVOA_W

ClientSampleId :

BGKN8

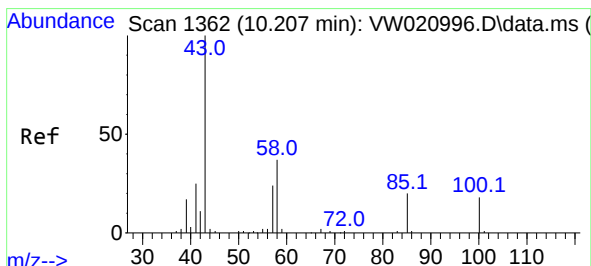
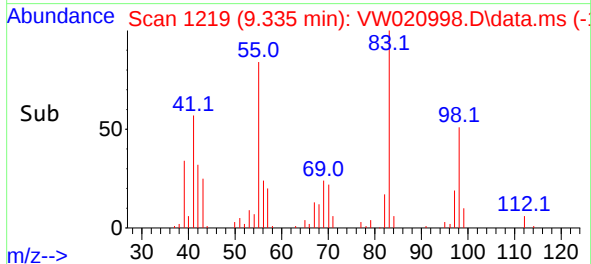
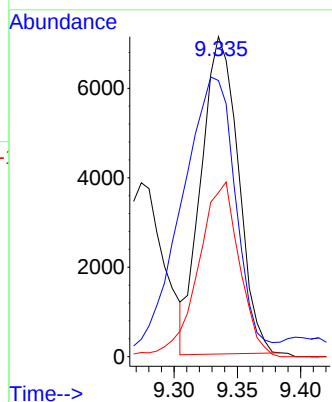
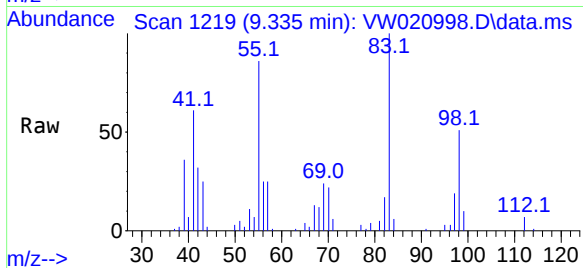
Tgt Ion: 83 Resp: 1447

Ion	Ratio	Lower	Upper
83	100		
55	130.9	70.8	106.2
98	61.0	37.7	56.5

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 12/05/2021
Supervised By :Amit Patel 12/07/2021



#40

4-Methyl-2-pentanone

Concen: 34.817 ug/L

RT: 10.213 min Scan# 1363

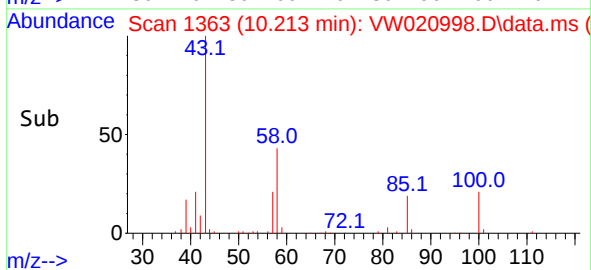
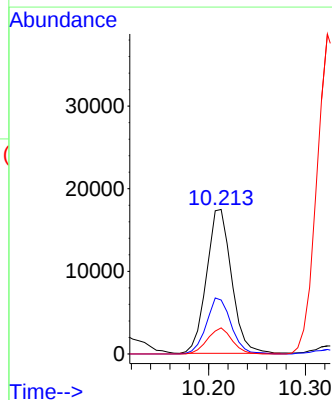
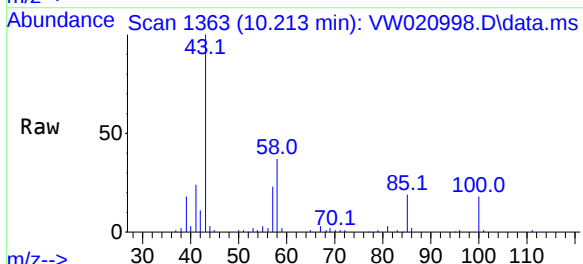
Delta R.T. 0.006 min

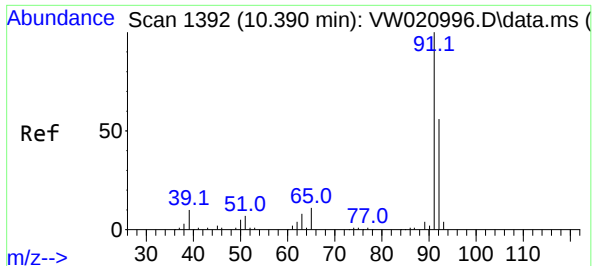
Lab File: VW020998.D

Acq: 01 Dec 2021 10:43

Tgt Ion: 43 Resp: 31421

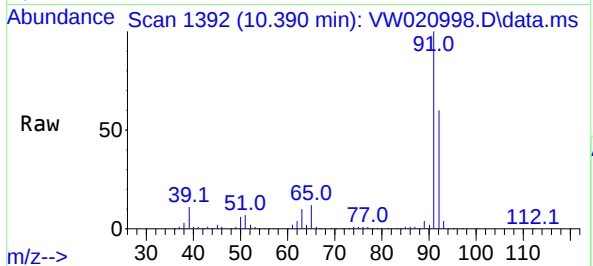
Ion	Ratio	Lower	Upper
43	100		
58	38.4	28.8	43.2
100	17.7	10.0	15.0





#42
Toluene
Concen: 213.144 ug/L
RT: 10.390 min Scan# 11
Delta R.T. -0.000 min
Lab File: VW020998.D
Acq: 01 Dec 2021 10:43

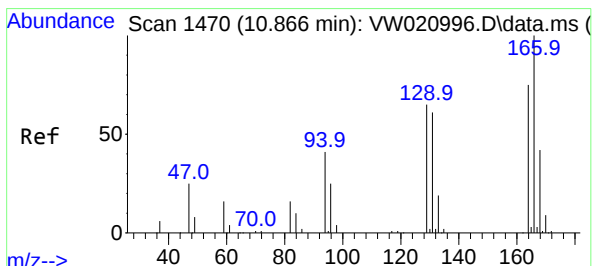
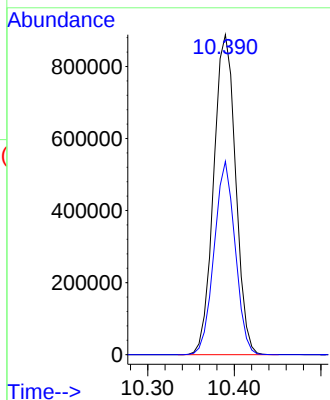
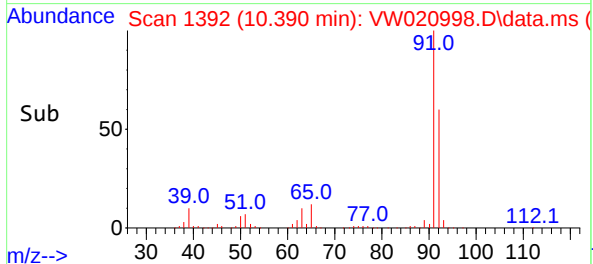
Instrument :
MSVOA_W
ClientSampleId :
BGKN8



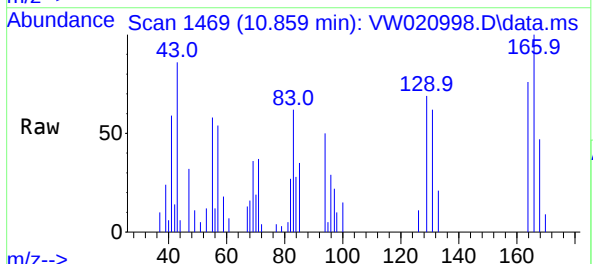
Tgt Ion: 91 Resp: 1561920
Ion Ratio Lower Upper
91 100
92 60.4 41.7 77.5

Manual Integrations
APPROVED

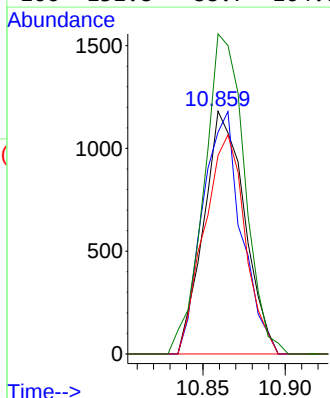
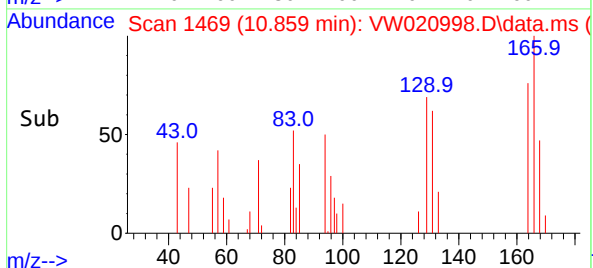
Reviewed By :Semsettin Yesilyurt 12/05/2021
Supervised By :Amit Patel 12/07/2021

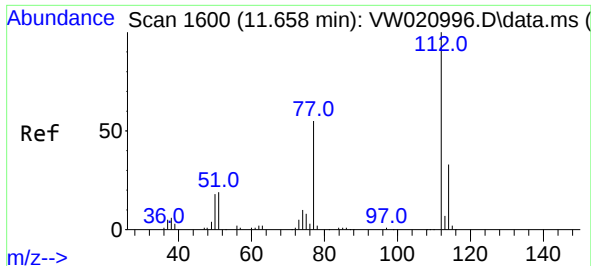


#46
Tetrachloroethene
Concen: 1.213 ug/L
RT: 10.859 min Scan# 1469
Delta R.T. -0.006 min
Lab File: VW020998.D
Acq: 01 Dec 2021 10:43



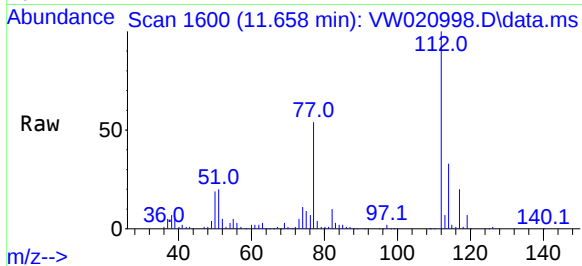
Tgt Ion:164 Resp: 2029
Ion Ratio Lower Upper
164 100
129 91.4 65.5 121.7
131 81.8 59.7 110.9
166 131.8 88.7 164.7





#51
Chlorobenzene
Concen: 8.911 ug/L
RT: 11.658 min Scan# 1600
Delta R.T. -0.000 min
Lab File: VW020998.D
Acq: 01 Dec 2021 10:43

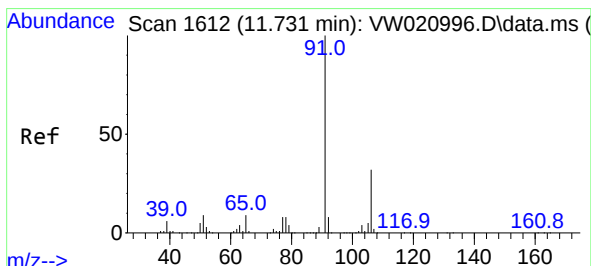
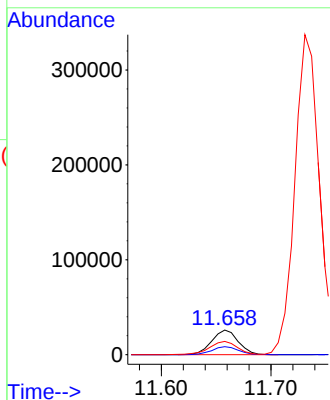
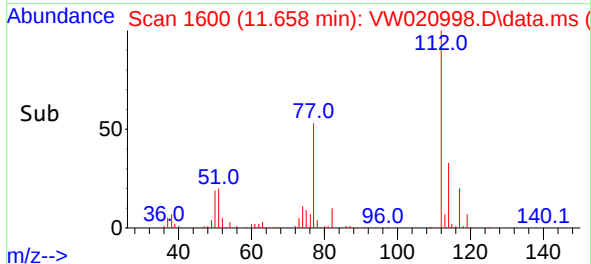
Instrument :
MSVOA_W
ClientSampleId :
BGKN8



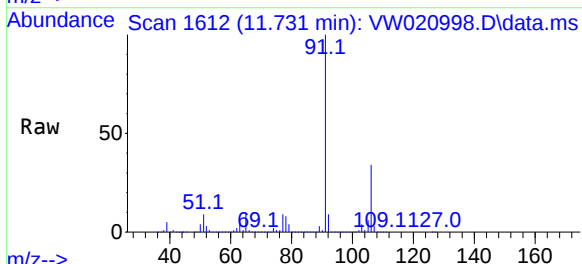
Tgt Ion:112 Resp: 43429
Ion Ratio Lower Upper
112 100
114 32.6 22.4 41.6
77 53.8 50.2 75.4

Manual Integrations
APPROVED

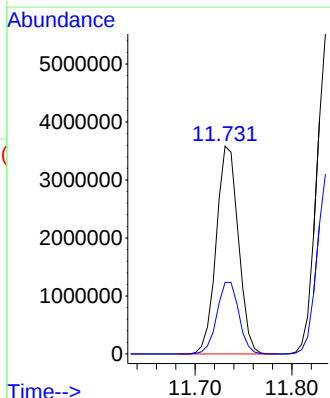
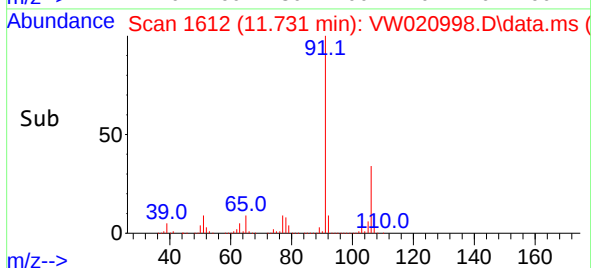
Reviewed By :Semsettin Yesilyurt 12/05/2021
Supervised By :Amit Patel 12/07/2021

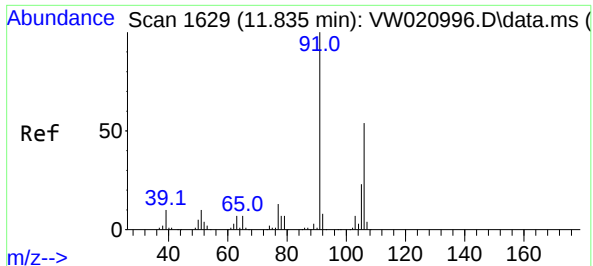


#52
Ethylbenzene
Concen: 699.380 ug/L
RT: 11.731 min Scan# 1612
Delta R.T. -0.000 min
Lab File: VW020998.D
Acq: 01 Dec 2021 10:43



Tgt Ion: 91 Resp: 5679101
Ion Ratio Lower Upper
91 100
106 34.4 21.5 39.9





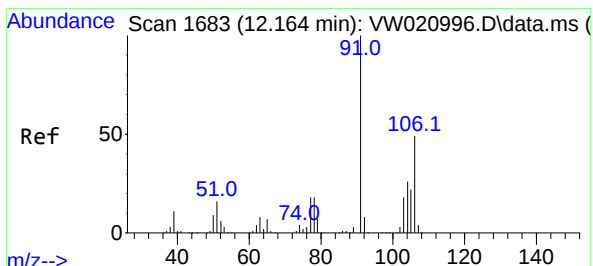
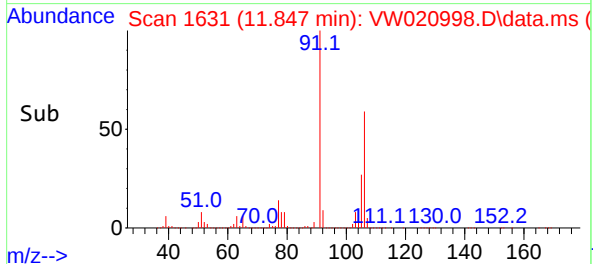
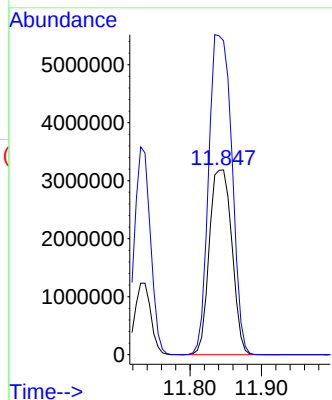
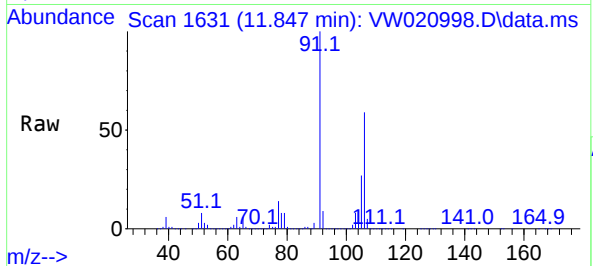
#53
m,p-Xylene
Concen: 2102.178 ug/L
RT: 11.847 min Scan# 11847
Delta R.T. 0.012 min
Lab File: VW020998.D
Acq: 01 Dec 2021 10:43

Instrument :
MSVOA_W
ClientSampleId :
BGKN8

Tgt Ion:106 Resp: 696919
Ion Ratio Lower Upper
106 100
91 169.9 149.9 278.3

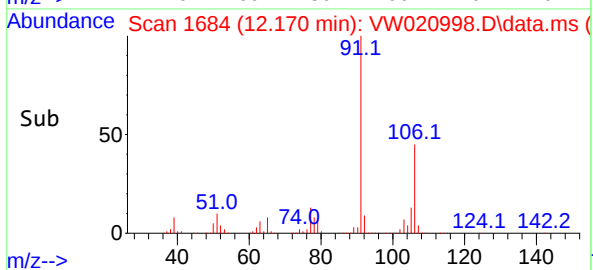
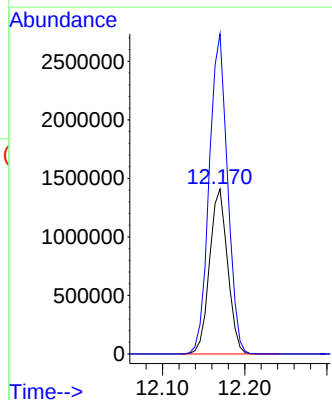
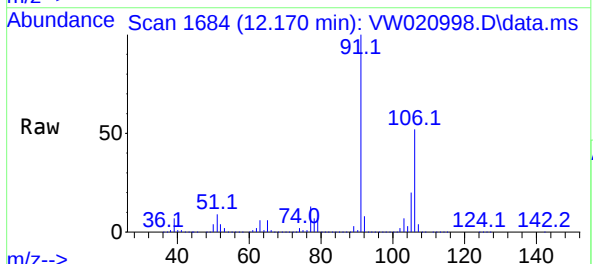
Manual Integrations
APPROVED

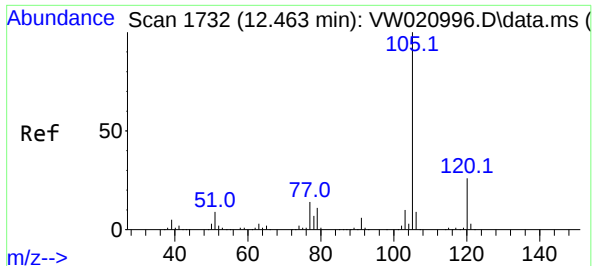
Reviewed By :Semsettin Yesilyurt 12/05/2021
Supervised By :Amit Patel 12/07/2021



#54
o-Xylene
Concen: 673.876 ug/L
RT: 12.170 min Scan# 1684
Delta R.T. 0.006 min
Lab File: VW020998.D
Acq: 01 Dec 2021 10:43

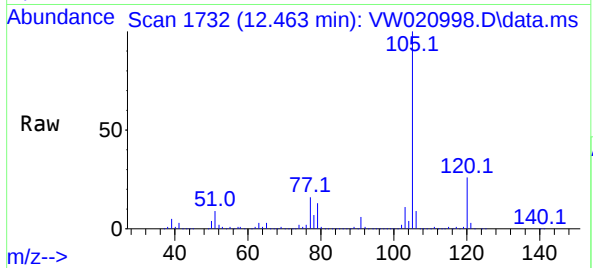
Tgt Ion:106 Resp: 2145572
Ion Ratio Lower Upper
106 100
91 194.0 153.6 285.3





#60
Isopropylbenzene
Concen: 87.231 ug/L
RT: 12.463 min Scan# 11
Delta R.T. -0.000 min
Lab File: VW020998.D
Acq: 01 Dec 2021 10:43

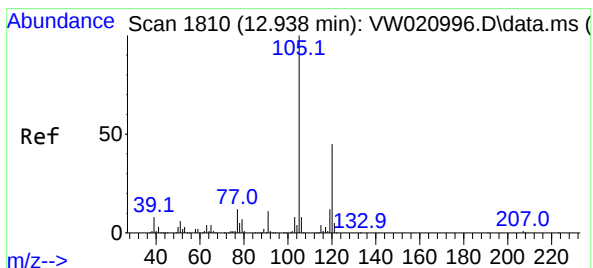
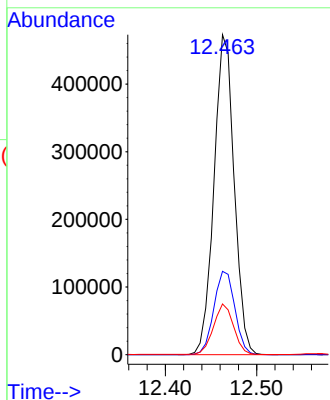
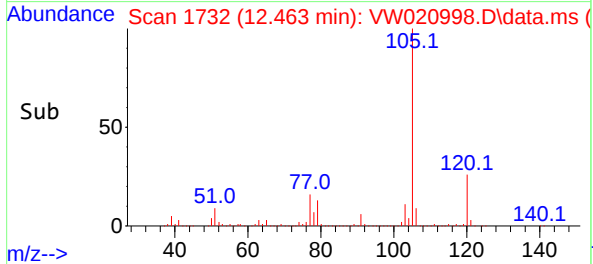
Instrument :
MSVOA_W
ClientSampleId :
BGKN8



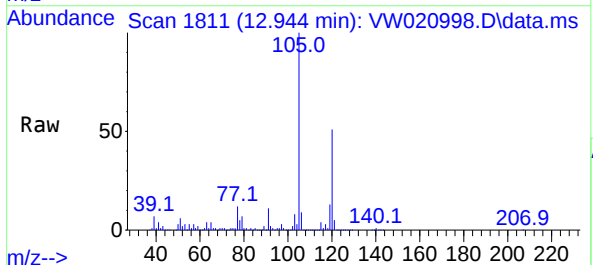
Tgt Ion:105 Resp: 725669
Ion Ratio Lower Upper
105 100
120 27.1 20.1 30.1
77 15.8 13.8 20.8

Manual Integrations
APPROVED

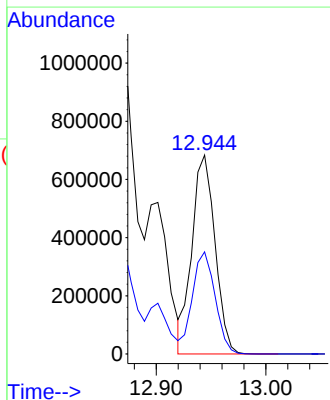
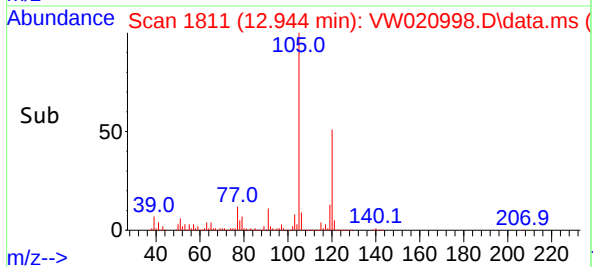
Reviewed By :Semsettin Yesilyurt 12/05/2021
Supervised By :Amit Patel 12/07/2021



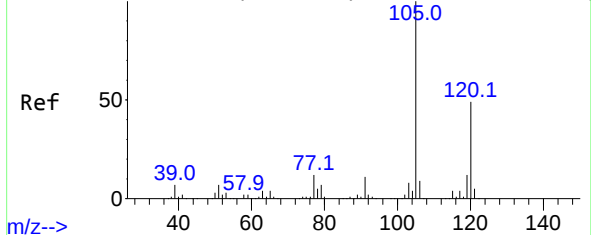
#62
1,3,5-Trimethylbenzene
Concen: 142.584 ug/L
RT: 12.944 min Scan# 1811
Delta R.T. 0.006 min
Lab File: VW020998.D
Acq: 01 Dec 2021 10:43



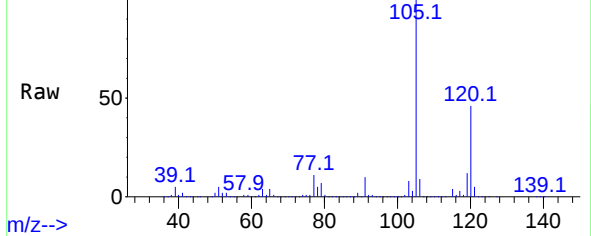
Tgt Ion:105 Resp: 1000617
Ion Ratio Lower Upper
105 100
120 50.8 37.4 56.2



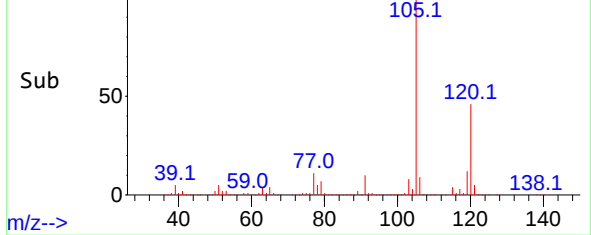
Abundance Scan 1861 (13.249 min): VW020996.D\data.ms (



m/z--> Abundance Scan 1861 (13.249 min): VW020998.D\data.ms



m/z--> Abundance Scan 1861 (13.249 min): VW020998.D\data.ms (



m/z-->

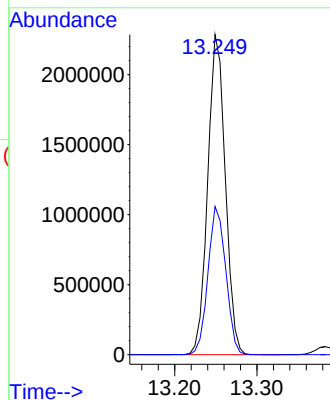
#63
1,2,4-Trimethylbenzene
Concen: 489.395 ug/L
RT: 13.249 min Scan# 1861
Delta R.T. -0.000 min
Lab File: VW020998.D
Acq: 01 Dec 2021 10:43

Tgt Ion:105 Resp: 338855
Ion Ratio Lower Upper
105 100
120 46.9 35.0 52.6

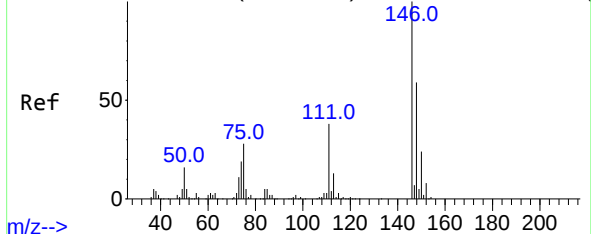
Instrument :
MSVOA_W
ClientSampleId :
BGKN8

Manual Integrations
APPROVED

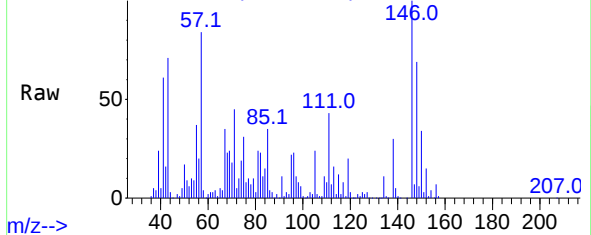
Reviewed By :Semsettin Yesilyurt 12/05/2021
Supervised By :Amit Patel 12/07/2021



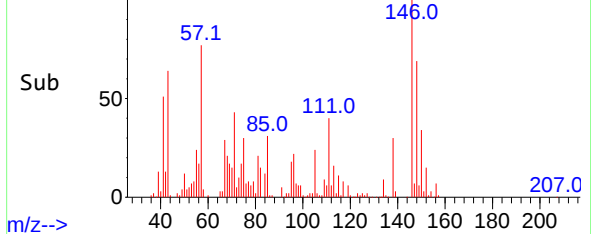
Abundance Scan 1963 (13.871 min): VW020996.D\data.ms (



m/z--> Abundance Scan 1963 (13.871 min): VW020998.D\data.ms



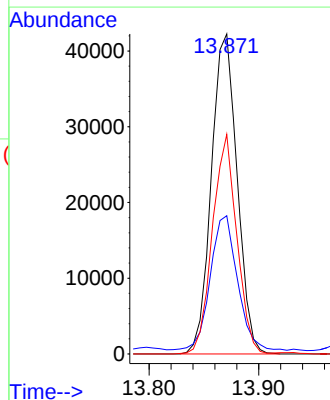
m/z--> Abundance Scan 1963 (13.871 min): VW020998.D\data.ms (



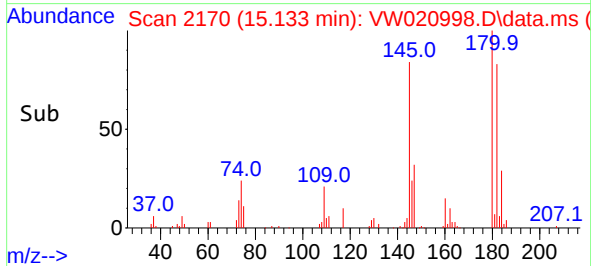
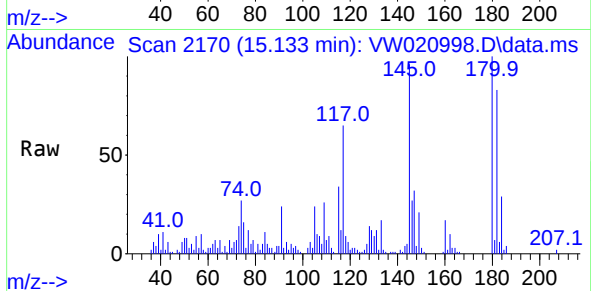
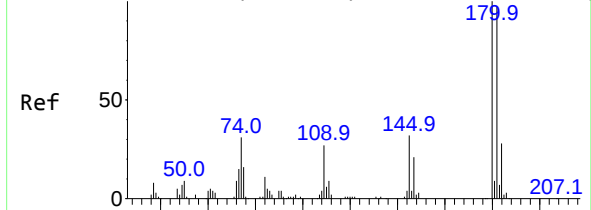
m/z-->

#67
1,2-Dichlorobenzene
Concen: 20.084 ug/L
RT: 13.871 min Scan# 1963
Delta R.T. -0.000 min
Lab File: VW020998.D
Acq: 01 Dec 2021 10:43

Tgt Ion:146 Resp: 69026
Ion Ratio Lower Upper
146 100
111 43.2 33.1 49.7
148 68.6 47.4 71.2



Abundance Scan 2169 (15.127 min): VW020996.D\data.ms (



#70
1,2,4-trichlorobenzene
Concen: 6.275 ug/L
RT: 15.133 min Scan# 21
Delta R.T. 0.006 min
Lab File: VW020998.D
Acq: 01 Dec 2021 10:43

Instrument :
MSVOA_W
ClientSampleId :
BGKN8

Tgt Ion:180 Resp: 1585
Ion Ratio Lower Upper
180 100
182 86.8 79.0 118.6
145 167.9 26.0 39.0

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 12/05/2021
Supervised By :Amit Patel 12/07/2021

