

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW120424\
 Data File : VW031131.D
 Acq On : 04 Dec 2024 17:45
 Operator : SY/MD
 Sample : P5066-01
 Misc : 1.23g/10mL/MSVOA_W/SOIL/A
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 E28M0

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 12/06/2024
 Supervised By :Semsettin Yesilyurt 12/06/2024

Quant Time: Dec 05 02:40:36 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120424SMA.M
 Quant Title : SFAM01.0
 QLast Update : Thu Dec 05 01:31:20 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	8.849	114	308527	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.629	117	157427	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.556	152	41100	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.363	65	140220	29.533	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery = 118.120%			
7) Chloroethane-d5	2.887	69	118184	32.083	ug/L	-0.01
Spiked Amount 25.000	Range 30 - 150		Recovery = 128.320%			
11) 1,1-Dichloroethene-d2	4.003	65	61297	28.297	ug/L	-0.02
Spiked Amount 25.000	Range 45 - 110		Recovery = 113.200%#			
21) 2-Butanone-d5	7.161	46	52478m	63.200	ug/L	0.09
Spiked Amount 50.000	Range 20 - 135		Recovery = 126.400%			
24) Chloroform-d	7.667	84	191778	21.223	ug/L	0.02
Spiked Amount 25.000	Range 40 - 150		Recovery = 84.880%			
26) 1,2-Dichloroethane-d4	8.325	65	130460	29.340	ug/L	0.02
Spiked Amount 25.000	Range 70 - 130		Recovery = 117.360%			
32) Benzene-d6	8.282	84	381744	39.453	ug/L	0.00
Spiked Amount 25.000	Range 20 - 135		Recovery = 157.800%#			
36) 1,2-Dichloropropane-d6	9.282	67	120399	42.480	ug/L	0.01
Spiked Amount 25.000	Range 70 - 120		Recovery = 169.920%#			
41) Toluene-d8	10.325	98	239047	27.376	ug/L	0.00
Spiked Amount 25.000	Range 30 - 130		Recovery = 109.520%			
43) trans-1,3-Dichloroprop...	10.581	79	47305	41.457	ug/L	0.00
Spiked Amount 25.000	Range 30 - 135		Recovery = 165.840%#			
47) 2-Hexanone-d5	10.934	63	40410	121.695	ug/L	0.01
Spiked Amount 50.000	Range 20 - 135		Recovery = 243.400%#			
56) 1,1,2,2-Tetrachloroeth...	12.690	84	46240	24.174	ug/L	0.00
Spiked Amount 25.000	Range 45 - 120		Recovery = 96.680%			
66) 1,2-Dichlorobenzene-d4	13.848	152	33598	23.015	ug/L	0.00
Spiked Amount 25.000	Range 75 - 120		Recovery = 92.040%			
Target Compounds						Qvalue
3) Chloromethane	2.222	50	4539	0.988	ug/L	90
14) Carbon disulfide	4.362	76	13494	0.939	ug/L #	91
17) trans-1,2-Dichloroethene	5.429	96	8572	1.840	ug/L	93
20) cis-1,2-Dichloroethene	7.191	96	25430	5.198	ug/L	95
25) Chloroform	7.691	83	31896	3.580	ug/L	99
29) Cyclohexane	7.959	56	8716	2.200	ug/L	86
33) Benzene	8.337	78	9701	0.911	ug/L	100
34) Trichloroethene	9.099	95	434659	148.019	ug/L	96
35) Methylcyclohexane	9.337	83	42679	9.134	ug/L #	81
40) 4-Methyl-2-pentanone	10.227	43	2303m	1.942	ug/L	
42) Toluene	10.392	91	263302	23.479	ug/L	99
46) Tetrachloroethene	10.861	164	2000359	918.907	ug/L	94
48) 2-Hexanone	10.934	43	29199	27.215	ug/L #	32
52) Ethylbenzene	11.727	91	100005	7.869	ug/L	98
53) m,p-Xylene	11.830	106	114746	24.261	ug/L	91
54) o-Xylene	12.160	106	71372	16.221	ug/L	96
60) Isopropylbenzene	12.458	105	26511m	3.996	ug/L	
62) 1,3,5-Trimethylbenzene	12.940	105	123343	23.608	ug/L	96
63) 1,2,4-Trimethylbenzene	13.245	105	336684	65.600	ug/L	100

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 Quant Title : SFAM01.0
 QLast Update : Thu Dec 05 01:31:20 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
64) 1,3-Dichlorobenzene	13.495	146	2869	0.992	ug/L #	1
65) 1,4-Dichlorobenzene	13.568	146	3692	1.263	ug/L #	1
67) 1,2-Dichlorobenzene	13.867	146	2043	0.807	ug/L #	1
70) 1,2,4-trichlorobenzene	15.123	180	3897	2.528	ug/L #	1

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

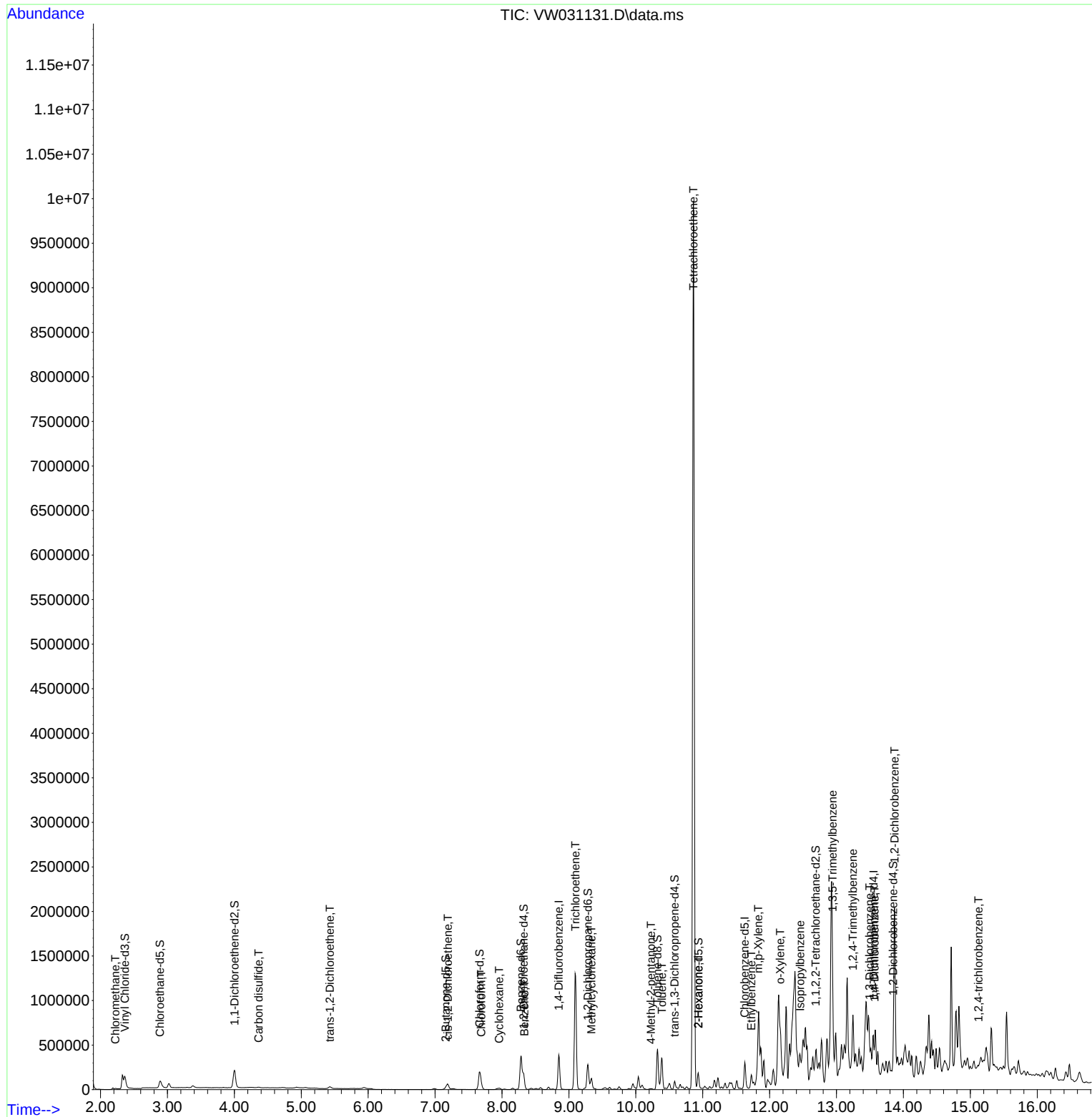
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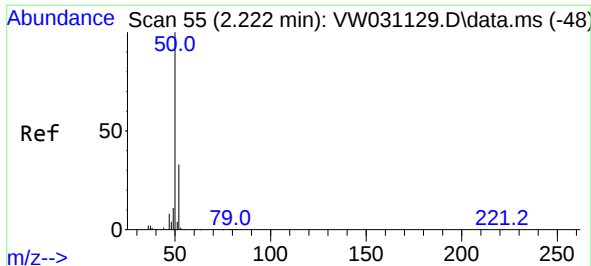
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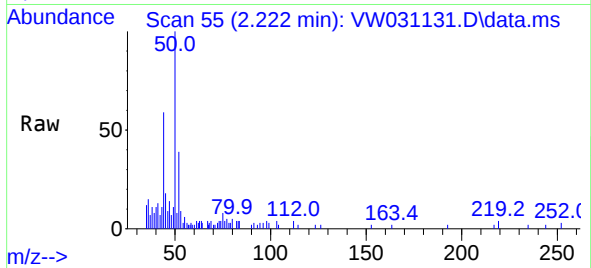
Quant Time: Dec 05 02:40:36 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120424SMA.M
Quant Title : SFAM01.0
QLast Update : Thu Dec 05 01:31:20 2024
Response via : Initial Calibration





#3
Chloromethane
Concen: 0.988 ug/L
RT: 2.222 min Scan# 50
Delta R.T. -0.006 min
Lab File: VW031131.D
Acq: 04 Dec 2024 17:45

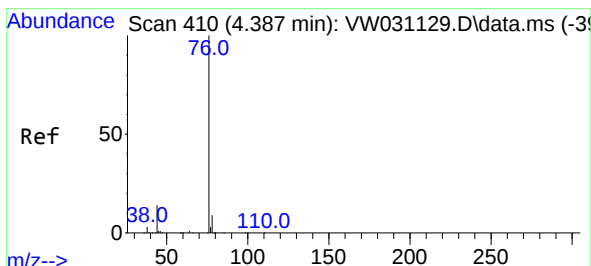
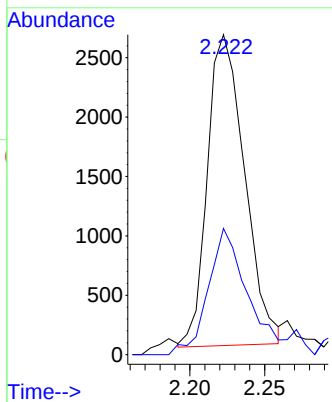
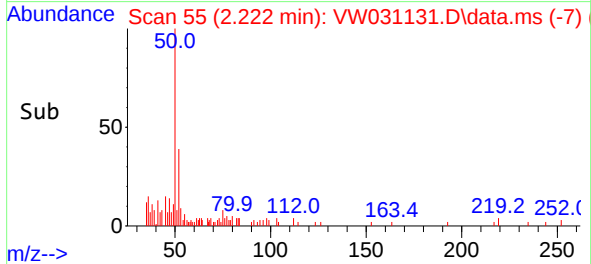
Instrument :
MSVOA_W
ClientSampleId :
E28M0



Tgt Ion: 50 Resp: 4539
Ion Ratio Lower Upper
50 100
52 39.5 23.4 43.6

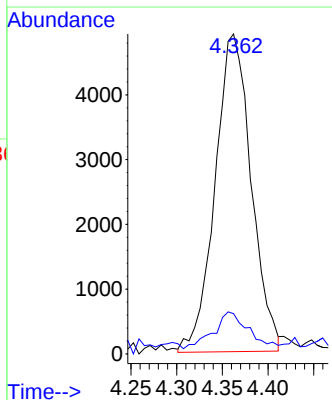
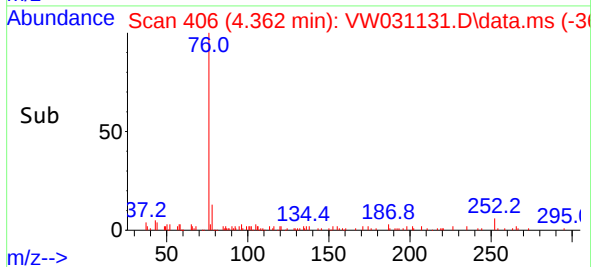
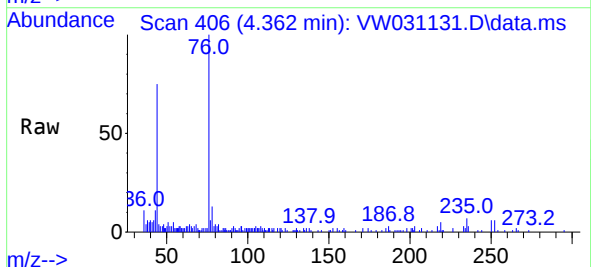
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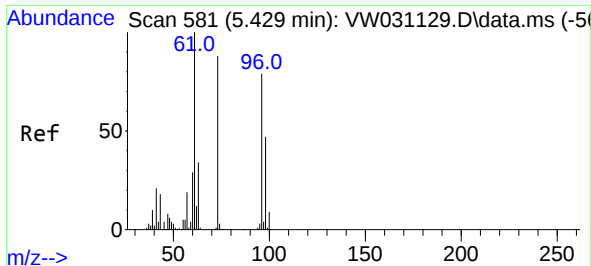
Reviewed By :Mahesh Dadoda 12/06/2024
Supervised By :Semsettin Yesilyurt 12/06/2024



#14
Carbon disulfide
Concen: 0.939 ug/L
RT: 4.362 min Scan# 406
Delta R.T. -0.031 min
Lab File: VW031131.D
Acq: 04 Dec 2024 17:45

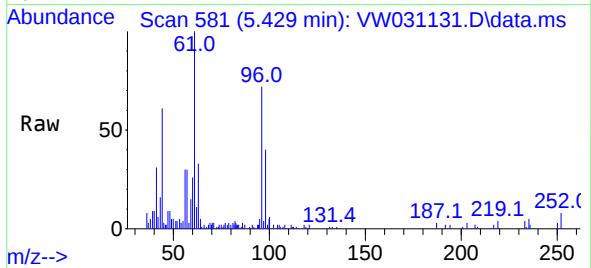
Tgt Ion: 76 Resp: 13494
Ion Ratio Lower Upper
76 100
78 12.6 7.4 11.2#





#17
trans-1,2-Dichloroethene
Concen: 1.840 ug/L
RT: 5.429 min Scan# 581
Delta R.T. -0.006 min
Lab File: VW031131.D
Acq: 04 Dec 2024 17:45

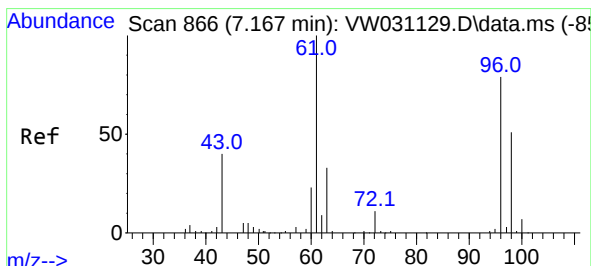
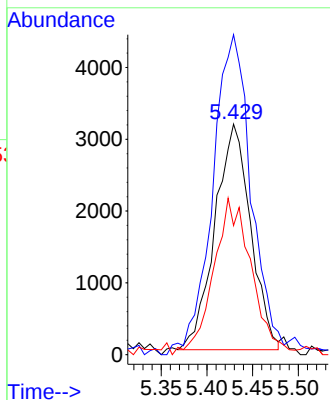
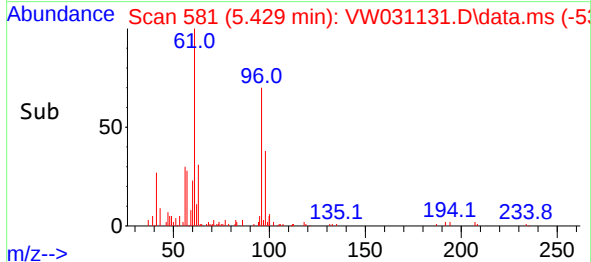
Instrument :
MSVOA_W
ClientSampleId :
E28M0



Tgt Ion: 96 Resp: 8572
Ion Ratio Lower Upper
96 100
61 138.8 92.7 172.3
98 56.0 44.4 82.4

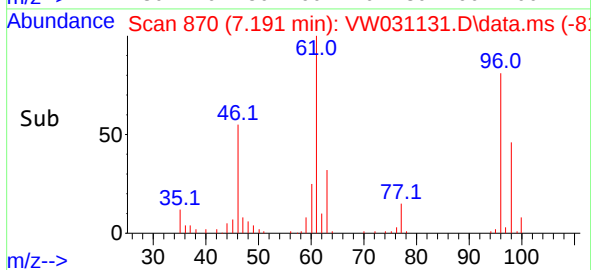
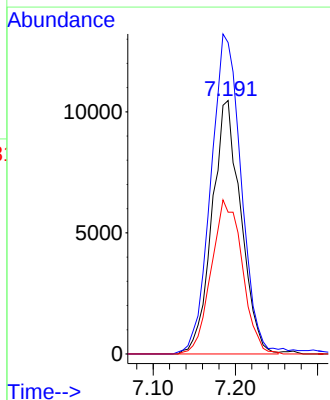
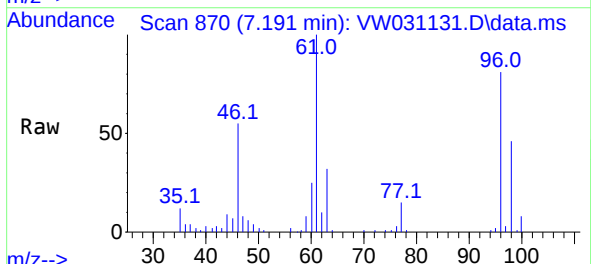
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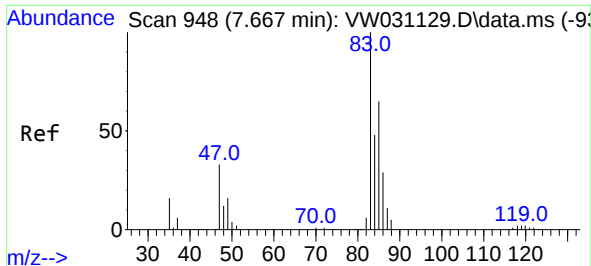
Reviewed By :Mahesh Dadoda 12/06/2024
Supervised By :Semsettin Yesilyurt 12/06/2024



#20
cis-1,2-Dichloroethene
Concen: 5.198 ug/L
RT: 7.191 min Scan# 870
Delta R.T. 0.018 min
Lab File: VW031131.D
Acq: 04 Dec 2024 17:45

Tgt Ion: 96 Resp: 25430
Ion Ratio Lower Upper
96 100
61 122.9 83.7 155.5
98 55.9 43.9 81.5





#25

Chloroform

Concen: 3.580 ug/L

RT: 7.691 min Scan# 91

Delta R.T. 0.012 min

Lab File: VW031131.D

Acq: 04 Dec 2024 17:45

Instrument :

MSVOA_W

ClientSampleId :

E28M0

Tgt Ion: 83 Resp: 3189

Ion Ratio Lower Upper

83 100

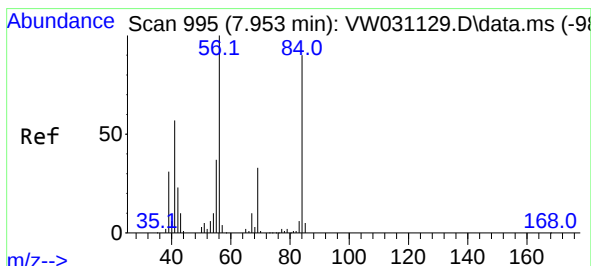
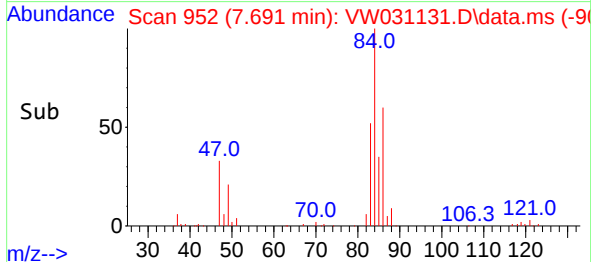
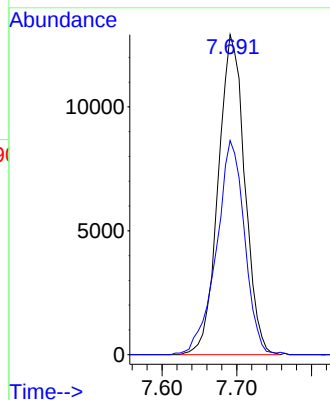
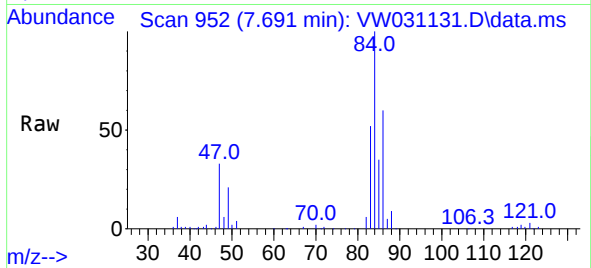
85 66.9 46.5 86.3

Manual Integrations

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Supervised By :Semsettin Yesilyurt 12/06/2024



#29

Cyclohexane

Concen: 2.200 ug/L

RT: 7.959 min Scan# 996

Delta R.T. -0.000 min

Lab File: VW031131.D

Acq: 04 Dec 2024 17:45

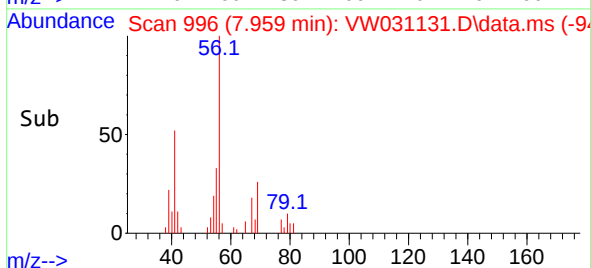
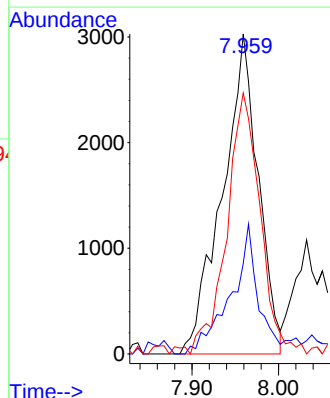
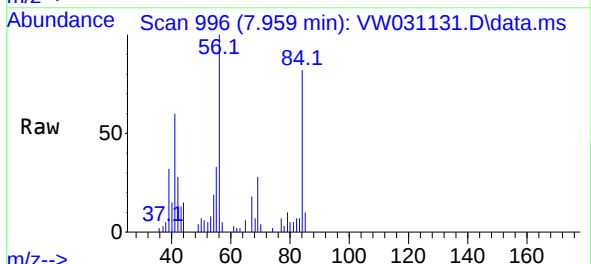
Tgt Ion: 56 Resp: 8716

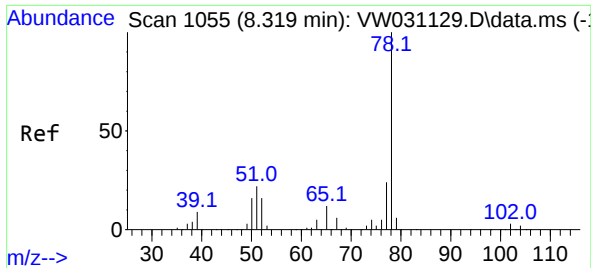
Ion Ratio Lower Upper

56 100

69 30.7 25.4 38.2

84 71.5 71.1 106.7





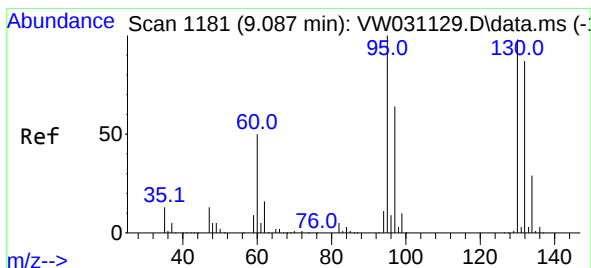
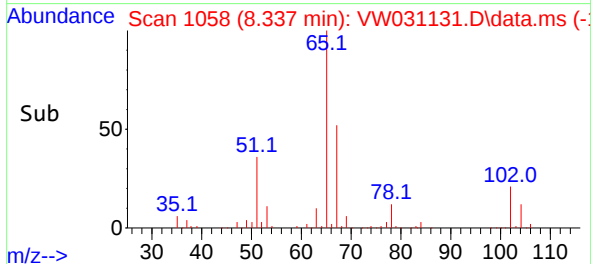
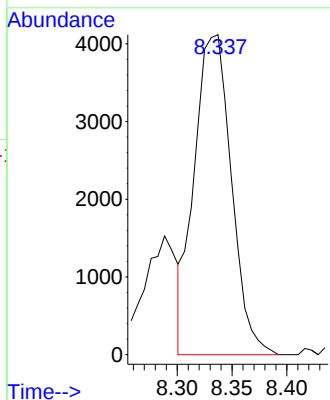
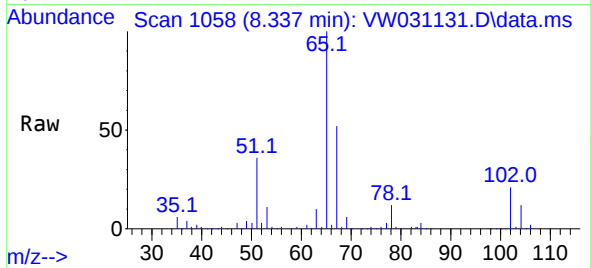
#33
Benzene
Concen: 0.911 ug/L
RT: 8.337 min Scan# 1058
Delta R.T. 0.012 min
Lab File: VW031131.D
Acq: 04 Dec 2024 17:45

Instrument :
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E28M0

Tgt Ion: 78 Resp: 970

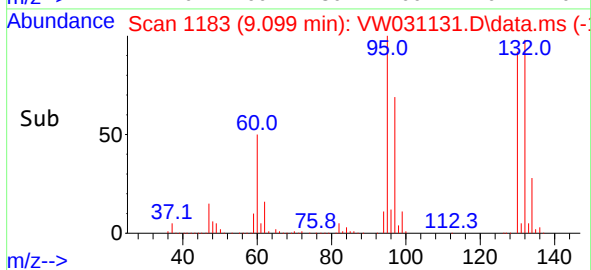
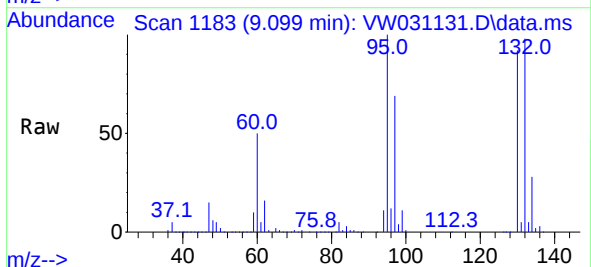
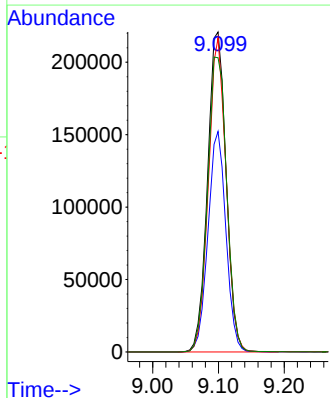
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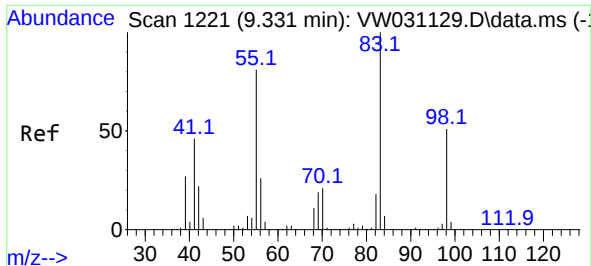
Reviewed By :Mahesh Dadoda 12/06/2024
Supervised By :Semsettin Yesilyurt 12/06/2024



#34
Trichloroethene
Concen: 148.019 ug/L
RT: 9.099 min Scan# 1183
Delta R.T. 0.012 min
Lab File: VW031131.D
Acq: 04 Dec 2024 17:45

Tgt Ion: 95 Resp: 434659
Ion Ratio Lower Upper
95 100
97 68.9 48.0 89.2
132 98.1 67.4 125.2
130 91.9 69.5 129.1





#35

Methylcyclohexane

Concen: 9.134 ug/L

RT: 9.337 min Scan# 1221

Delta R.T. 0.006 min

Lab File: VW031131.D

Acq: 04 Dec 2024 17:45

Instrument :

MSVOA_W

ClientSampleId :

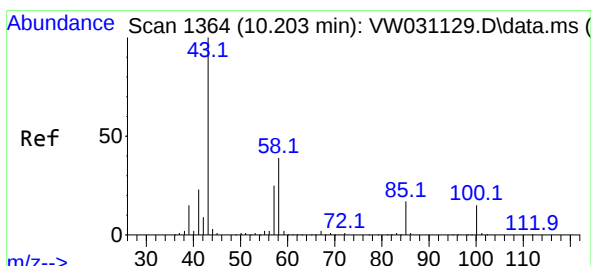
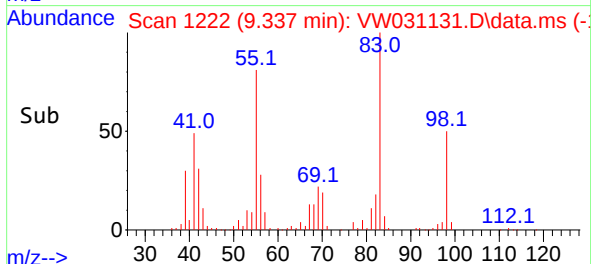
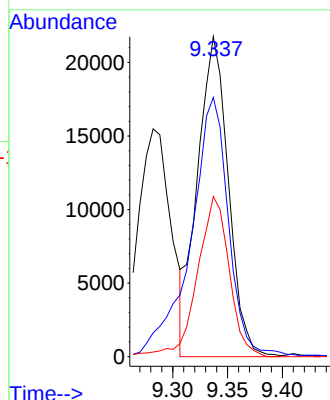
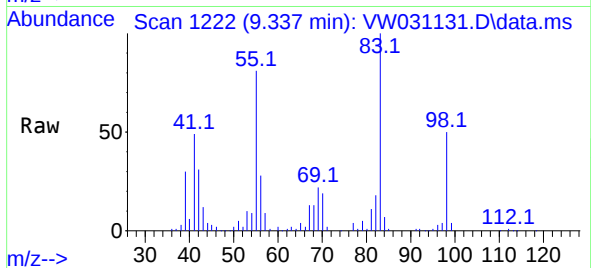
E28M0

Tgt Ion:	83	Resp:	42679
Ion	Ratio	Lower	Upper
83	100		
55	98.2	59.5	89.3
98	51.6	38.7	58.1

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#40

4-Methyl-2-pentanone

Concen: 1.942 ug/L m

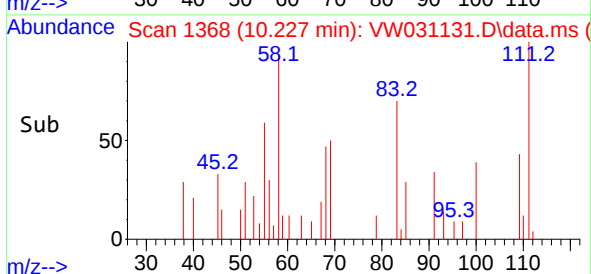
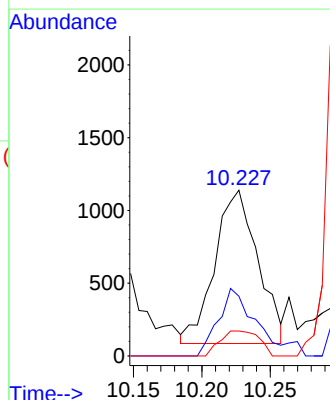
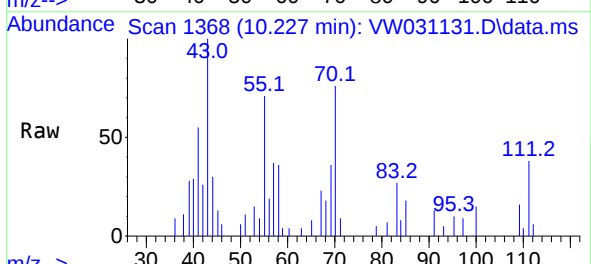
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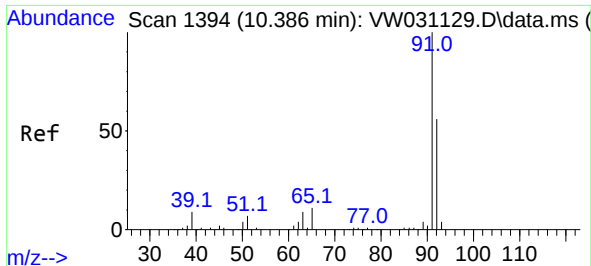
Delta R.T. 0.018 min

Lab File: VW031131.D

Acq: 04 Dec 2024 17:45

Tgt Ion:	43	Resp:	2303
Ion	Ratio	Lower	Upper
43	100		
58	37.0	33.7	50.5
100	14.8	14.2	21.2





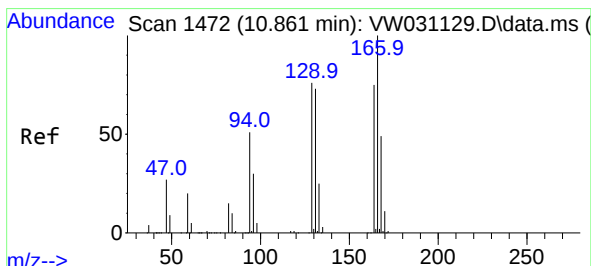
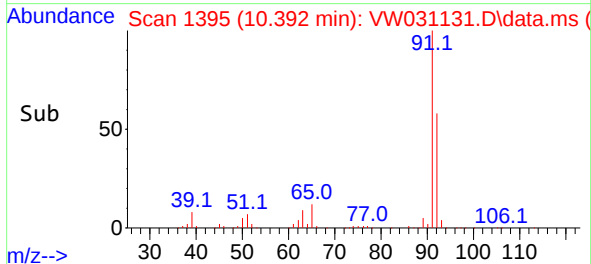
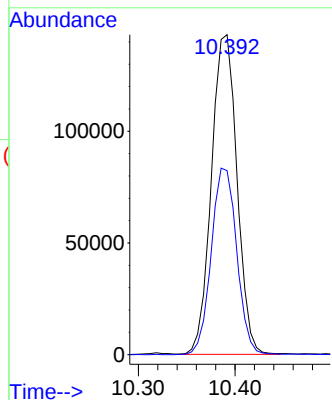
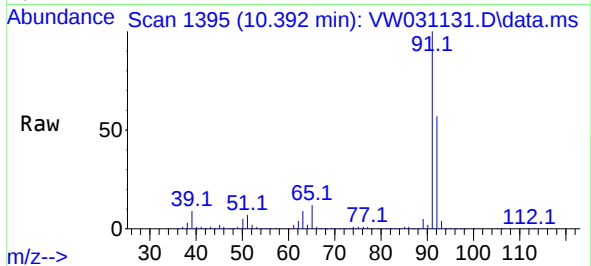
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Toluene
Concen: 23.479 ug/L
RT: 10.392 min Scan# 11
Delta R.T. 0.006 min
Lab File: VW031131.D
Acq: 04 Dec 2024 17:45

Instrument :
MSVOA_W
ClientSampleId :
E28M0

Tgt Ion: 91 Resp: 263302
Ion Ratio Lower Upper
91 100
92 57.5 40.8 75.8

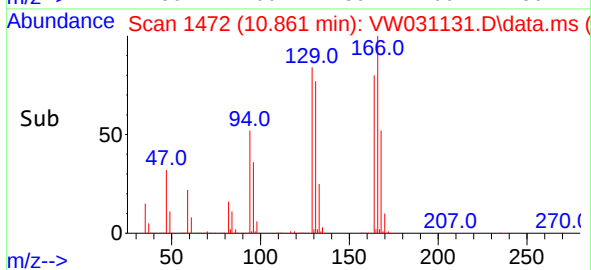
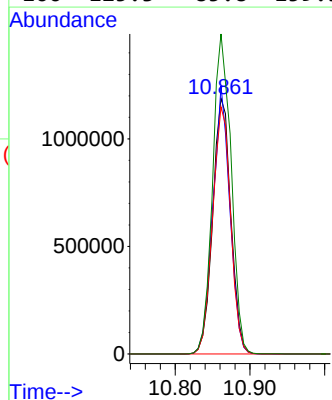
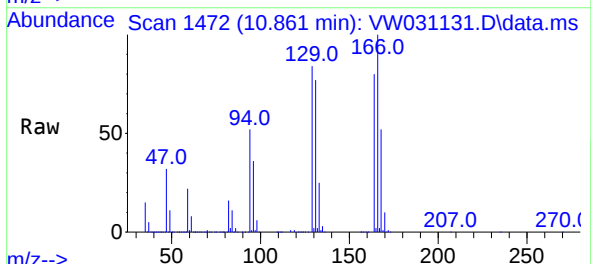
Manual Integrations
APPROVED

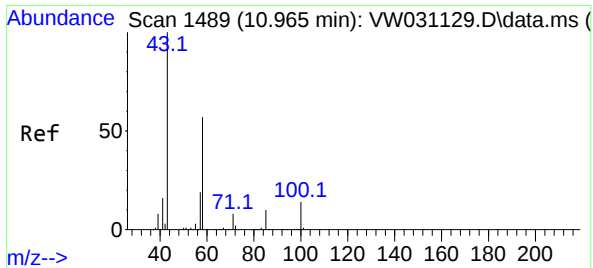
Reviewed By :Mahesh Dadoda 12/06/2024
Supervised By :Semsettin Yesilyurt 12/06/2024



#46
Tetrachloroethene
Concen: 918.907 ug/L
RT: 10.861 min Scan# 1472
Delta R.T. -0.000 min
Lab File: VW031131.D
Acq: 04 Dec 2024 17:45

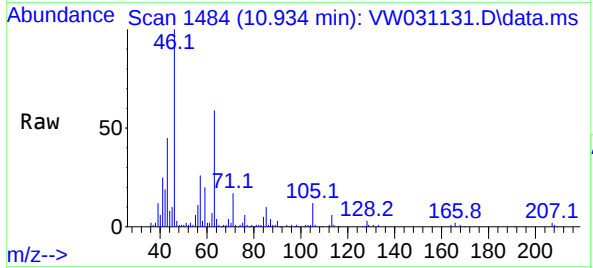
Tgt Ion:164 Resp: 2000359
Ion Ratio Lower Upper
164 100
129 104.9 61.9 114.9
131 96.7 67.9 126.1
166 125.3 85.8 159.3





#48
2-Hexanone
Concen: 27.215 ug/L
RT: 10.934 min Scan# 1489
Delta R.T. -0.031 min
Lab File: VW031131.D
Acq: 04 Dec 2024 17:45

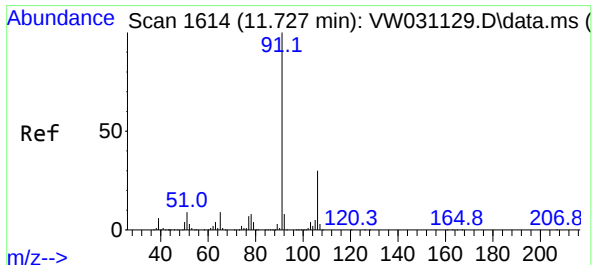
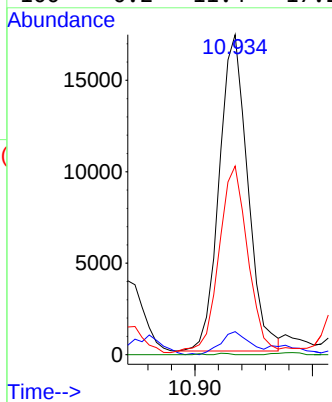
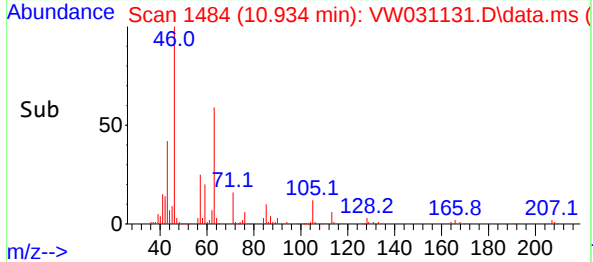
Instrument : MSVOA_W
ClientSampleId : E28M0



Tgt Ion: 43 Resp: 29199
Ion Ratio Lower Upper
43 100
58 7.4 49.8 74.6
57 59.3 16.6 24.8
100 0.2 11.4 17.2#

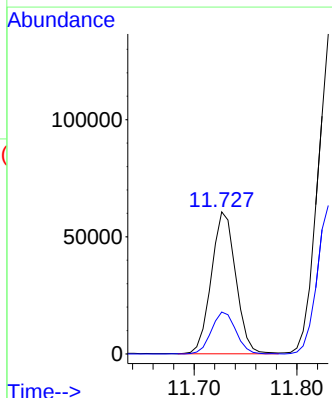
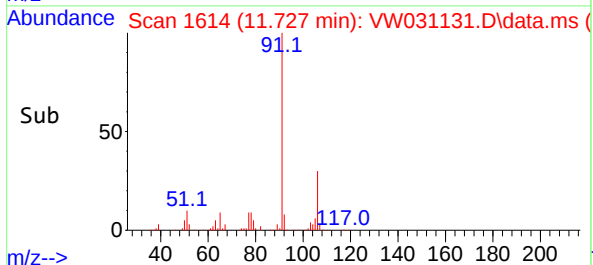
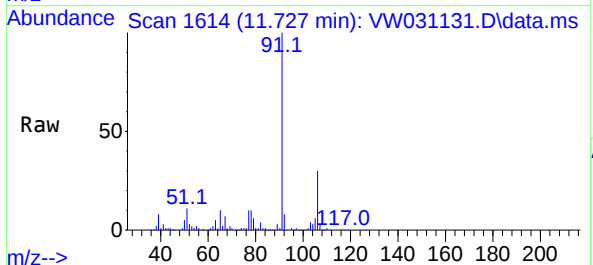
Manual Integrations
APPROVED

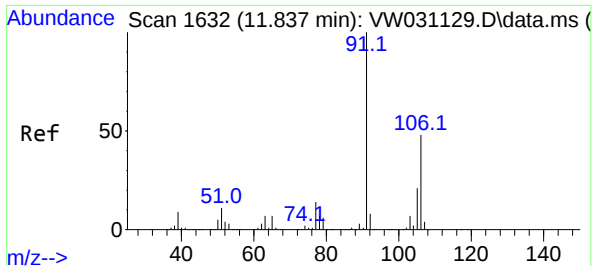
Reviewed By :Mahesh Dadoda 12/06/2024
Supervised By :Semsettin Yesilyurt 12/06/2024



#52
Ethylbenzene
Concen: 7.869 ug/L
RT: 11.727 min Scan# 1614
Delta R.T. -0.000 min
Lab File: VW031131.D
Acq: 04 Dec 2024 17:45

Tgt Ion: 91 Resp: 100005
Ion Ratio Lower Upper
91 100
106 29.6 21.3 39.5





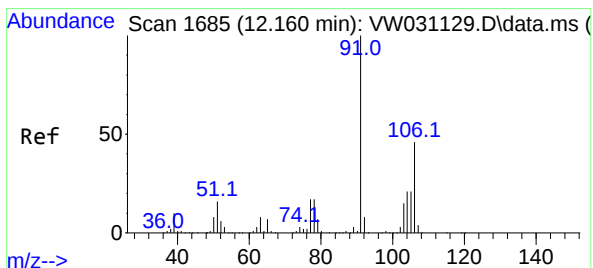
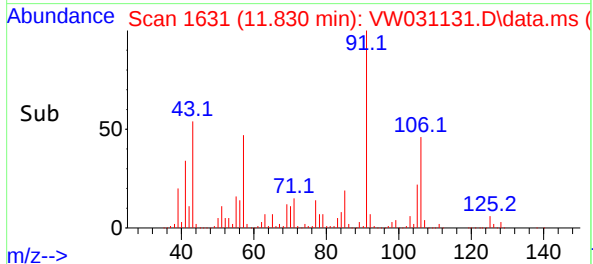
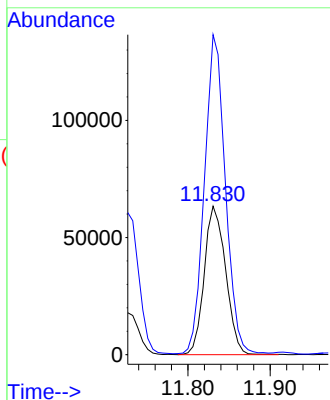
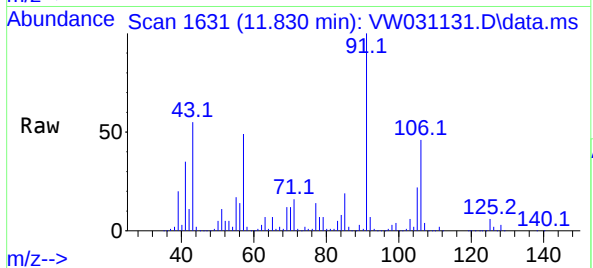
#53
m,p-Xylene
Concen: 24.261 ug/L
RT: 11.830 min Scan# 11830
Delta R.T. -0.006 min
Lab File: VW031131.D
Acq: 04 Dec 2024 17:45

Instrument :
MSVOA_W
ClientSampleId :
E28M0

Tgt Ion:106 Resp: 114740
Ion Ratio Lower Upper
106 100
91 215.5 140.9 261.7

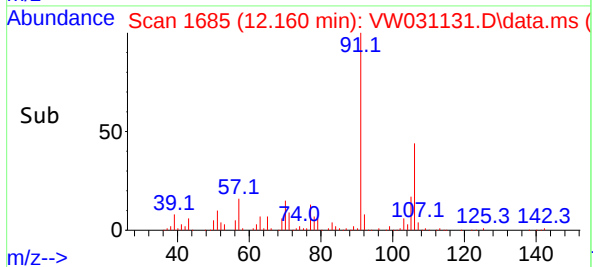
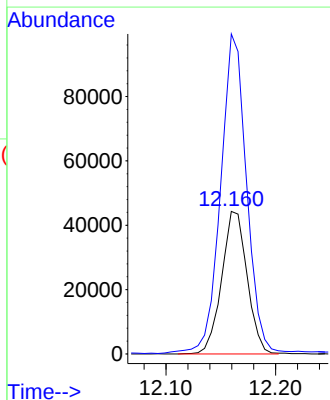
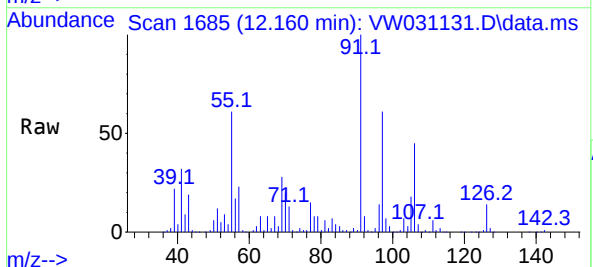
Manual Integrations
APPROVED

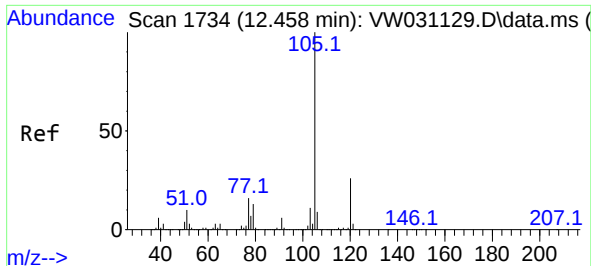
Reviewed By :Mahesh Dadoda 12/06/2024
Supervised By :Semsettin Yesilyurt 12/06/2024



#54
o-Xylene
Concen: 16.221 ug/L
RT: 12.160 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VW031131.D
Acq: 04 Dec 2024 17:45

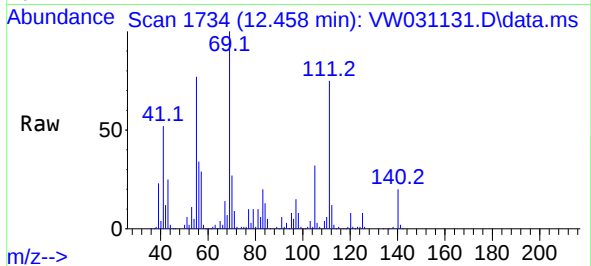
Tgt Ion:106 Resp: 71372
Ion Ratio Lower Upper
106 100
91 224.4 152.7 283.5





#60
Isopropylbenzene
Concen: 3.996 ug/L m
RT: 12.458 min Scan# 1734
Delta R.T. -0.000 min
Lab File: VW031131.D
Acq: 04 Dec 2024 17:45

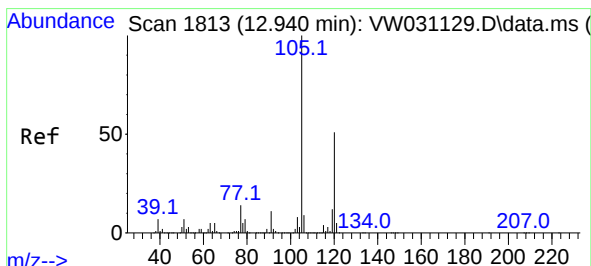
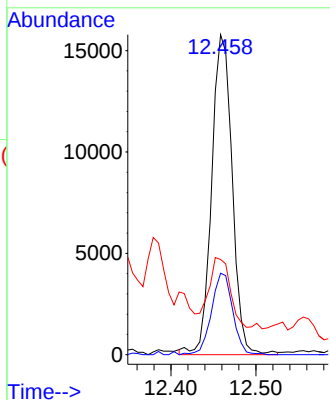
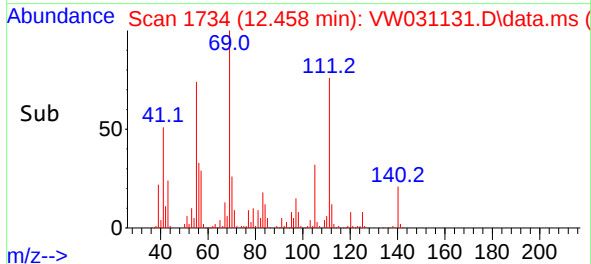
Instrument :
MSVOA_W
ClientSampleId :
E28M0



Tgt Ion:	105	Resp:	2651
Ion	Ratio	Lower	Upper
105	100		
120	150.2	21.5	32.3
77	82.4	12.3	18.5

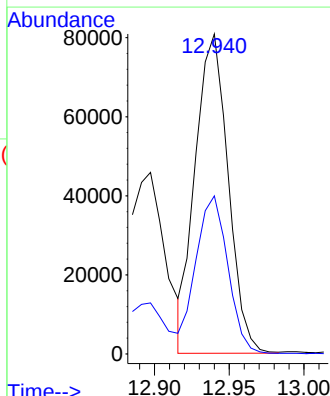
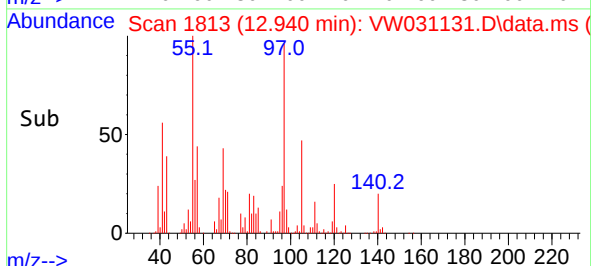
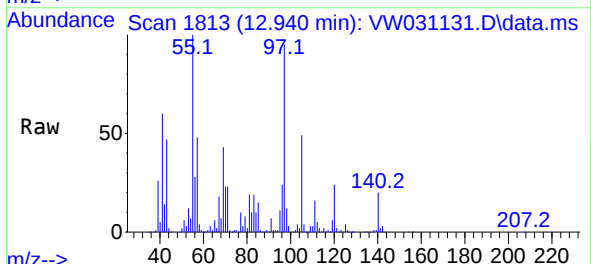
Manual Integrations
APPROVED

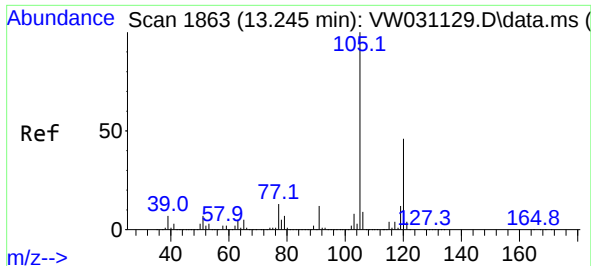
Reviewed By :Mahesh Dadoda 12/06/2024
Supervised By :Semsettin Yesilyurt 12/06/2024



#62
1,3,5-Trimethylbenzene
Concen: 23.608 ug/L
RT: 12.940 min Scan# 1813
Delta R.T. -0.000 min
Lab File: VW031131.D
Acq: 04 Dec 2024 17:45

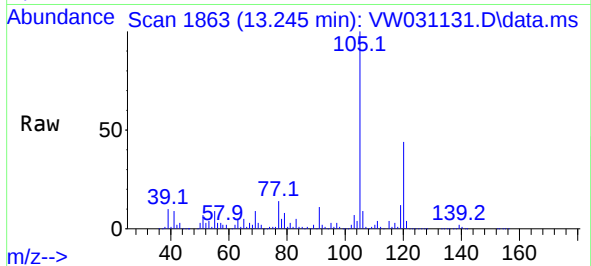
Tgt Ion:	105	Resp:	123343
Ion	Ratio	Lower	Upper
105	100		
120	48.1	40.5	60.7





#63
1,2,4-Trimethylbenzene
Concen: 65.600 ug/L
RT: 13.245 min Scan# 11
Delta R.T. -0.000 min
Lab File: VW031131.D
Acq: 04 Dec 2024 17:45

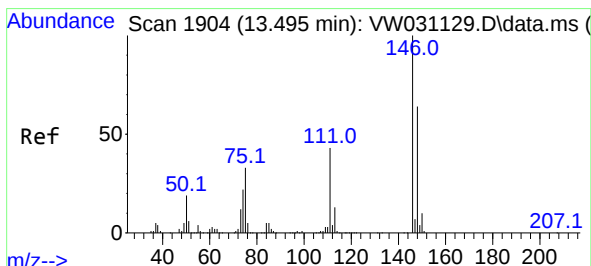
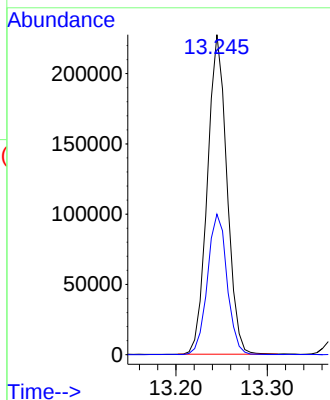
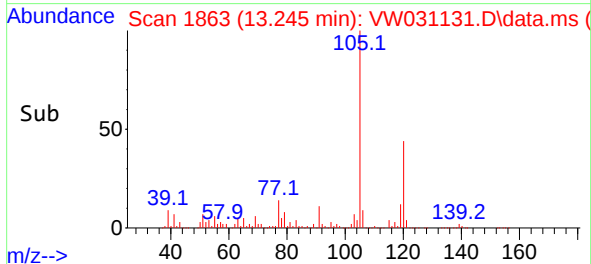
Instrument :
MSVOA_W
ClientSampleId :
E28M0



Tgt Ion:105 Resp: 336684
Ion Ratio Lower Upper
105 100
120 44.0 35.4 53.0

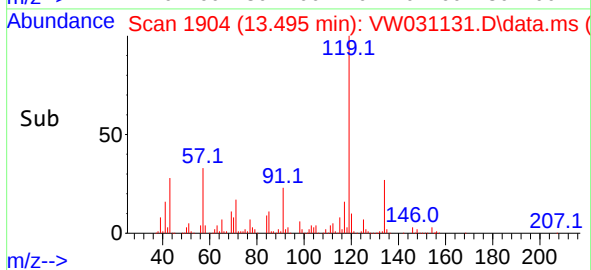
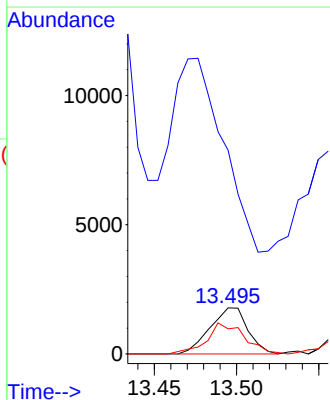
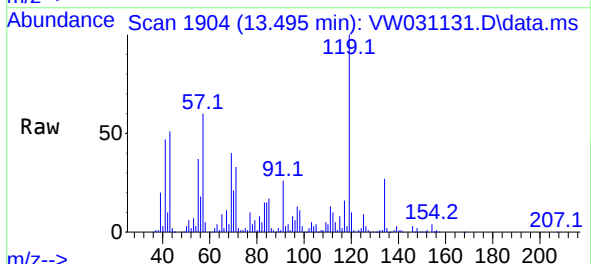
Manual Integrations
APPROVED

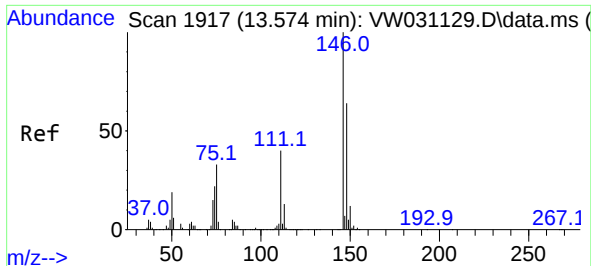
Reviewed By :Mahesh Dadoda 12/06/2024
Supervised By :Semsettin Yesilyurt 12/06/2024



#64
1,3-Dichlorobenzene
Concen: 0.992 ug/L
RT: 13.495 min Scan# 1904
Delta R.T. -0.000 min
Lab File: VW031131.D
Acq: 04 Dec 2024 17:45

Tgt Ion:146 Resp: 2869
Ion Ratio Lower Upper
146 100
111 442.5 28.5 52.9#
148 54.7 44.1 81.9





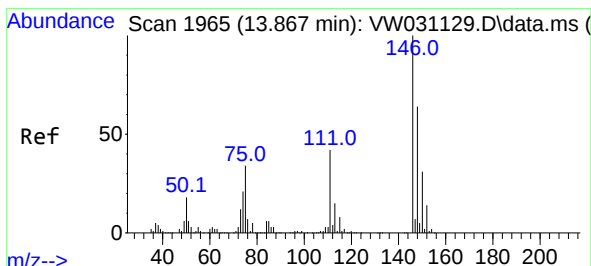
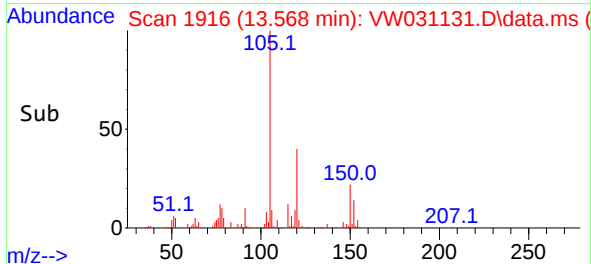
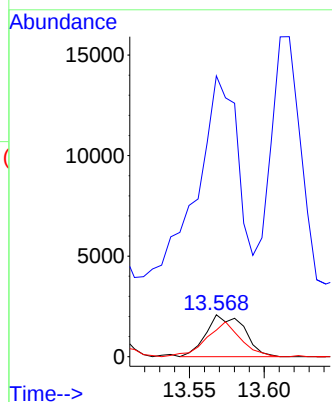
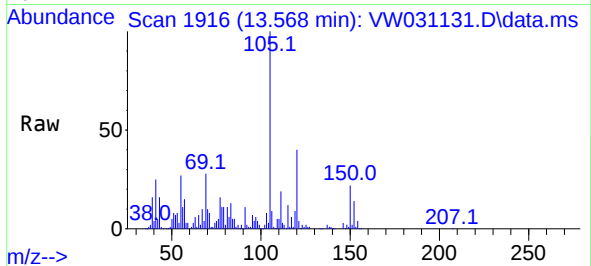
#65
1,4-Dichlorobenzene
Concen: 1.263 ug/L
RT: 13.568 min Scan# 1916
Delta R.T. -0.006 min
Lab File: VW031131.D
Acq: 04 Dec 2024 17:45

Instrument :
MSVOA_W
ClientSampleId :
E28M0

Tgt Ion:146 Resp: 3692
Ion Ratio Lower Upper
146 100
111 670.9 26.6 49.4#
148 63.5 42.1 78.1

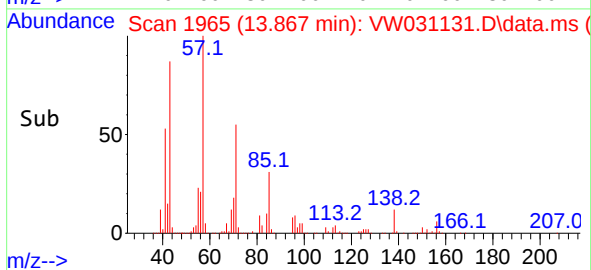
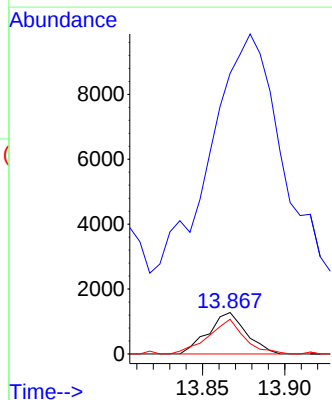
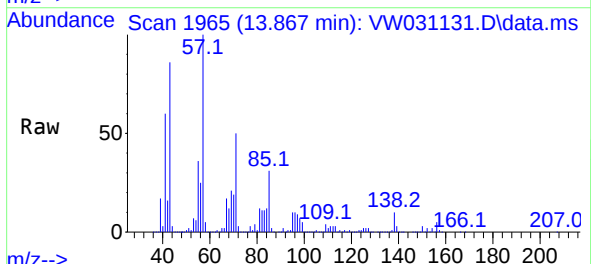
Manual Integrations
APPROVED

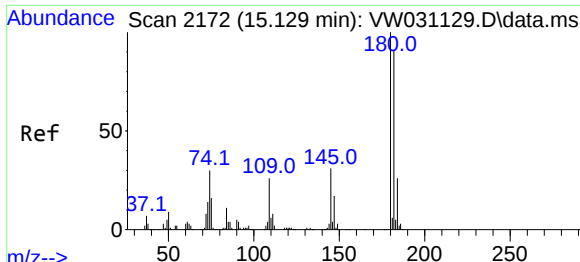
Reviewed By :Mahesh Dadoda 12/06/2024
Supervised By :Semsettin Yesilyurt 12/06/2024



#67
1,2-Dichlorobenzene
Concen: 0.807 ug/L
RT: 13.867 min Scan# 1965
Delta R.T. -0.000 min
Lab File: VW031131.D
Acq: 04 Dec 2024 17:45

Tgt Ion:146 Resp: 2043
Ion Ratio Lower Upper
146 100
111 678.5 30.9 46.3#
148 84.1 50.0 75.0#





#70
1,2,4-trichlorobenzene
Concen: 2.528 ug/L
RT: 15.123 min Scan# 2171
Delta R.T. -0.000 min
Lab File: VW031131.D
Acq: 04 Dec 2024 17:45

Instrument : MSVOA_W
ClientSampleId : E28M0

Tgt Ion:	180	Resp:	389
Ion Ratio	Lower	Upper	
180	100		
182	96.3	76.1	114.1
145	330.2	25.7	38.5

Manual Integrations
APPROVED
Reviewed By :Mahesh Dadoda 12/06/2024
Supervised By :Semsettin Yesilyurt 12/06/2024

