

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD063023\
 Data File : VD076676.D
 Acq On : 30 Jun 2023 21:26
 Operator : KP/SY
 Sample : 03472-12RE
 Misc : 4.72G/10.0ml/MSVOA_D/SOIL
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 A46S4RE

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 07/03/2023
 Supervised By : Mahesh Dadoda 07/07/2023

Quant Time: Jul 03 01:32:43 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM061523SMA.M
 Quant Title : SFAM01.0
 QLast Update : Fri Jun 16 01:50:34 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	8.775	114	253762	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.581	117	160336	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.516	152	43220	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.269	65	79421	12.852	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery =	51.400%		
7) Chloroethane-d5	2.793	69	77270	15.463	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery =	61.840%		
11) 1,1-Dichloroethene-d2	3.905	65	23904	14.818	ug/L	0.00
Spiked Amount 25.000	Range 45 - 110		Recovery =	59.280%		
21) 2-Butanone-d5	6.981	46	83103	88.792	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery =	177.580%#		
24) Chloroform-d	7.569	84	140824	21.064	ug/L	0.00
Spiked Amount 25.000	Range 40 - 150		Recovery =	84.240%		
26) 1,2-Dichloroethane-d4	8.228	65	91036	27.602	ug/L	0.00
Spiked Amount 25.000	Range 70 - 130		Recovery =	110.400%		
32) Benzene-d6	8.199	84	240019	24.472	ug/L	0.00
Spiked Amount 25.000	Range 20 - 135		Recovery =	97.880%		
36) 1,2-Dichloropropane-d6	9.204	67	91224	29.138	ug/L	0.00
Spiked Amount 25.000	Range 70 - 120		Recovery =	116.560%		
41) Toluene-d8	10.269	98	196703	21.659	ug/L	0.00
Spiked Amount 25.000	Range 30 - 130		Recovery =	86.640%		
43) trans-1,3-Dichloroprop...	10.528	79	30563	23.471	ug/L	0.00
Spiked Amount 25.000	Range 30 - 135		Recovery =	93.880%		
47) 2-Hexanone-d5	10.875	63	59407	122.242	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery =	244.480%#		
56) 1,1,2,2-Tetrachloroeth...	12.651	84	81700	36.681	ug/L	0.00
Spiked Amount 25.000	Range 45 - 120		Recovery =	146.720%#		
66) 1,2-Dichlorobenzene-d4	13.816	152	34906m	22.034	ug/L	0.00
Spiked Amount 25.000	Range 75 - 120		Recovery =	88.120%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.887	85	15444	3.906	ug/L	98
5) Vinyl chloride	2.275	62	790351	111.453	ug/L	96
10) 1,1,2-Trichloro-1,2,2-...	3.958	101	405624	121.961	ug/L	98
12) 1,1-Dichloroethene	3.940	96	12871	3.908	ug/L #	65
13) Acetone	4.016	43	56054	74.152	ug/L	79
14) Carbon disulfide	4.258	76	63679	5.334	ug/L	98
17) trans-1,2-Dichloroethene	5.310	96	22026	5.999	ug/L	87
19) 1,1-Dichloroethane	6.110	63	307641	45.828	ug/L	97
20) cis-1,2-Dichloroethene	7.075	96	802519	195.707	ug/L	98
22) 2-Butanone	7.081	43	34485m	28.268	ug/L	
27) 1,2-Dichloroethane	8.328	62	26129	6.485	ug/L	100
30) 1,1,1-Trichloroethane	7.793	97	1107758	297.403	ug/L	98
33) Benzene	8.246	78	12594	1.187	ug/L	100
34) Trichloroethene	9.028	95	110639	40.587	ug/L	96
35) Methylcyclohexane	9.275	83	18824	4.282	ug/L #	46
42) Toluene	10.334	91	7492	0.661	ug/L	87
46) Tetrachloroethene	10.810	164	209539	97.777	ug/L	92
51) Chlorobenzene	11.610	112	8844	1.249	ug/L	91
65) 1,4-Dichlorobenzene	13.539	146	12326	4.158	ug/L #	41

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Quant Title : SFAM01.0
QLast Update : Fri Jun 16 01:50:34 2023
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
67) 1,2-Dichlorobenzene	13.828	146	902600	344.504	ug/L	97
70) 1,2,4-trichlorobenzene	15.098	180	20327	11.646	ug/L #	85

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

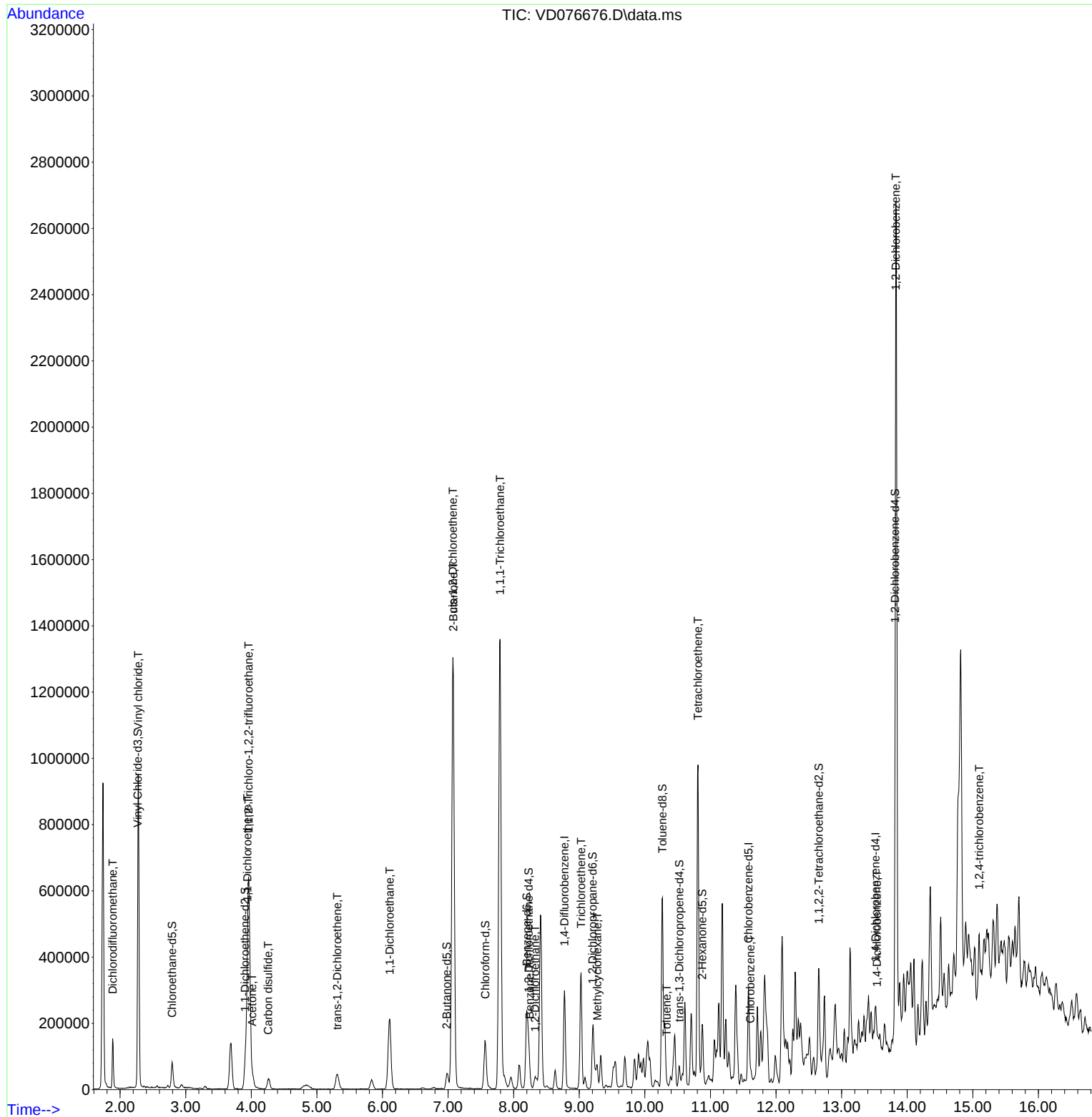
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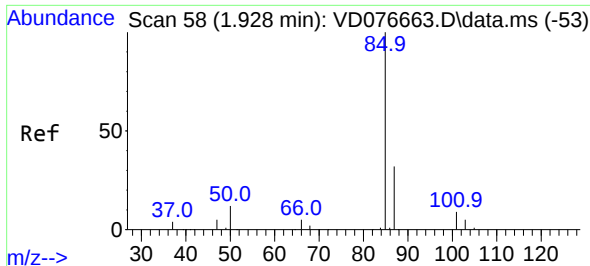
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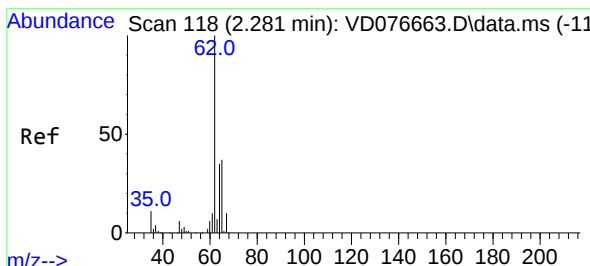
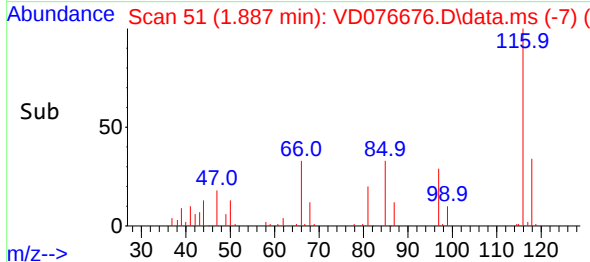
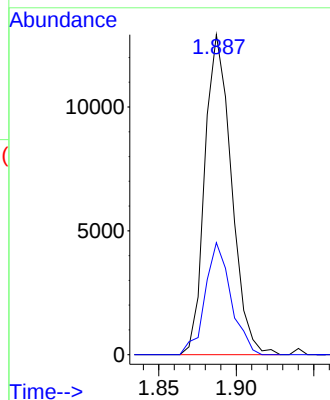
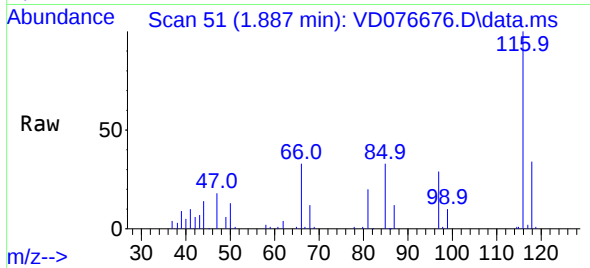
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Dichlorodifluoromethane
Concen: 3.906 ug/L
RT: 1.887 min Scan# 51
Delta R.T. -0.041 min
Lab File: VD076676.D
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Instrument :
MSVOA_D
ClientSampleId :
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Tgt Ion: 85 Resp: 1544
Ion Ratio Lower Upper
85 100
87 34.0 26.3 39.5

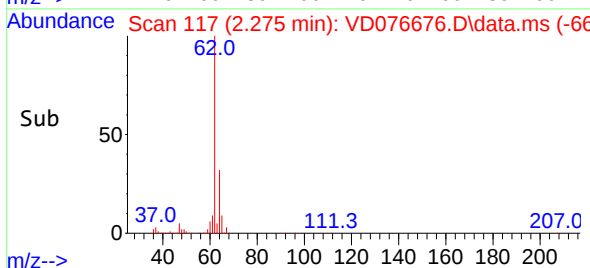
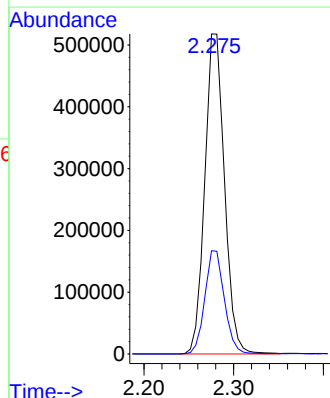
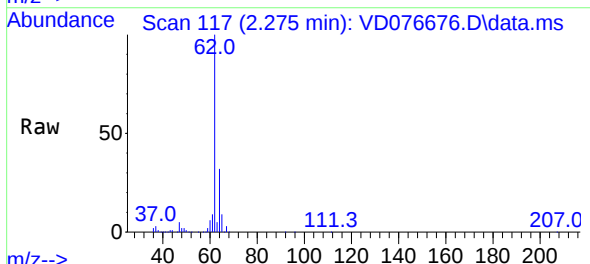
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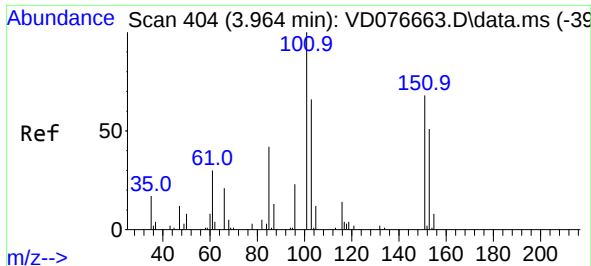
Reviewed By :Semsettin Yesilyurt 07/03/2023
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#5
Vinyl chloride
Concen: 111.453 ug/L
RT: 2.275 min Scan# 117
Delta R.T. -0.000 min
Lab File: VD076676.D
Acq: 30 Jun 2023 21:26

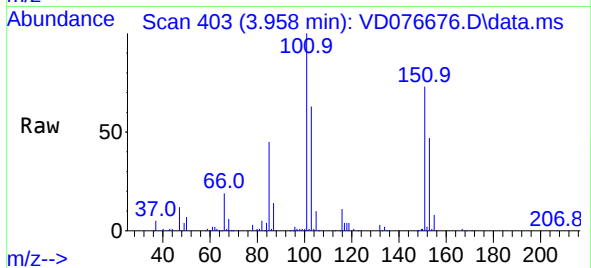
Tgt Ion: 62 Resp: 790351
Ion Ratio Lower Upper
62 100
64 32.3 21.1 39.1





#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 121.961 ug/L
RT: 3.958 min Scan# 403
Delta R.T. -0.000 min
Lab File: VD076676.D
Acq: 30 Jun 2023 21:26

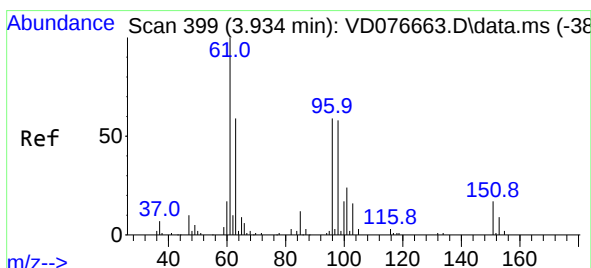
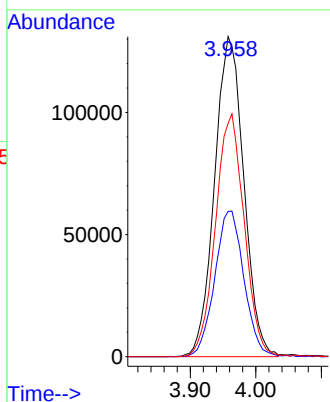
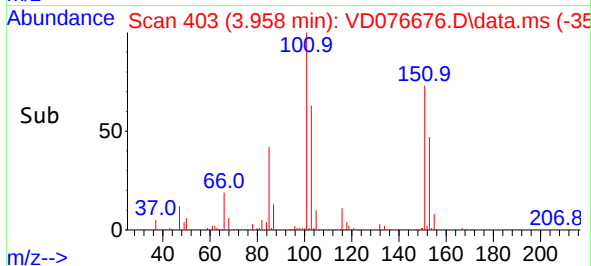
Instrument :
MSVOA_D
ClientSampleId :
A46S4RE



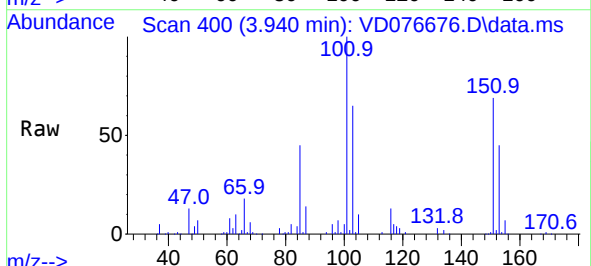
Tgt Ion:101 Resp: 405624
Ion Ratio Lower Upper
101 100
85 45.4 35.5 53.3
151 74.5 58.6 87.8

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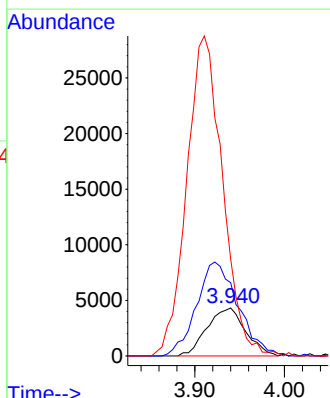
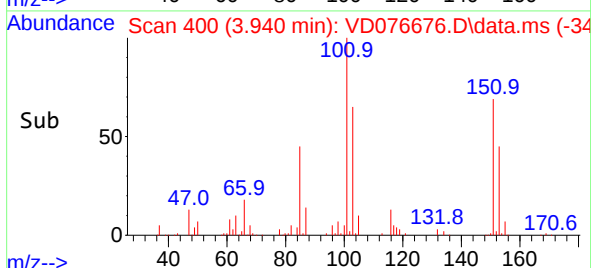
Reviewed By :Semsettin Yesilyurt 07/03/2023
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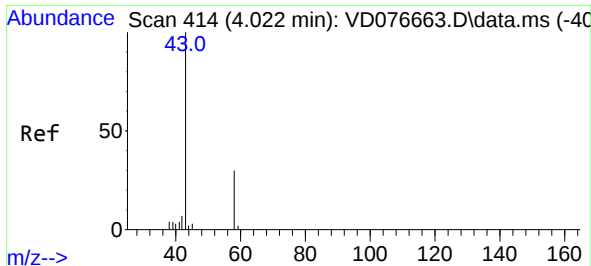


#12
1,1-Dichloroethene
Concen: 3.908 ug/L
RT: 3.940 min Scan# 400
Delta R.T. 0.012 min
Lab File: VD076676.D
Acq: 30 Jun 2023 21:26



Tgt Ion: 96 Resp: 12871
Ion Ratio Lower Upper
96 100
61 152.4 113.0 209.8
63 201.2 83.6 155.2#





#13

Acetone

Concen: 74.152 ug/L

RT: 4.016 min Scan# 41

Delta R.T. -0.006 min

Lab File: VD076676.D

Acq: 30 Jun 2023 21:26

Instrument :

MSVOA_D

ClientSampleId :

A46S4RE

Tgt Ion: 43 Resp: 56054

Ion Ratio Lower Upper

43 100

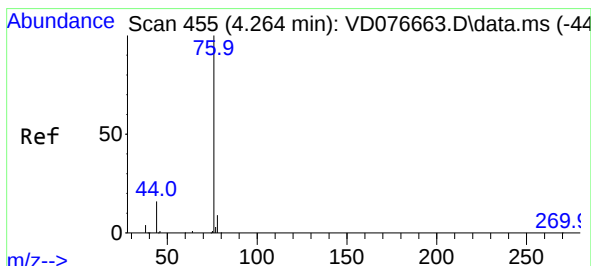
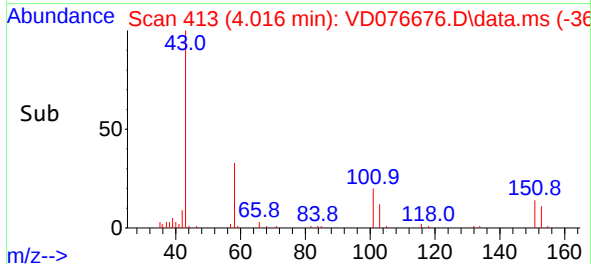
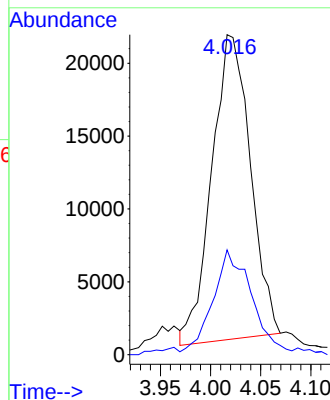
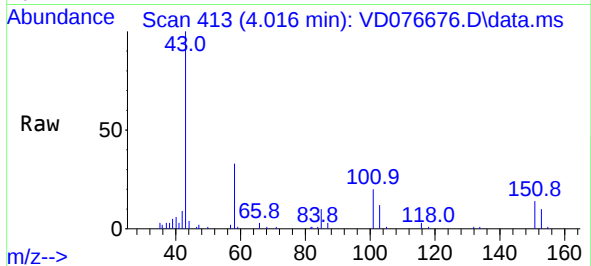
58 21.7 0.0 67.4

Manual Integrations

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Supervised By :Mahesh Dadoda 07/07/2023



#14

Carbon disulfide

Concen: 5.334 ug/L

RT: 4.258 min Scan# 454

Delta R.T. -0.006 min

Lab File: VD076676.D

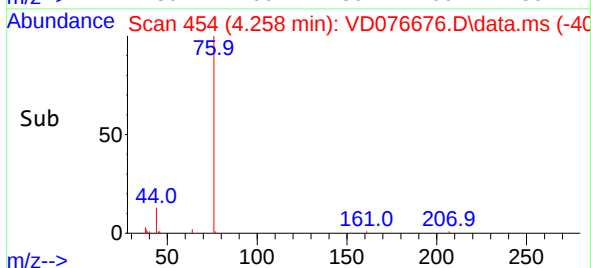
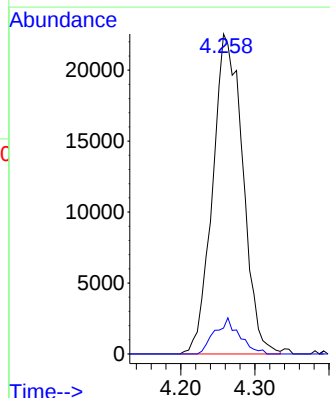
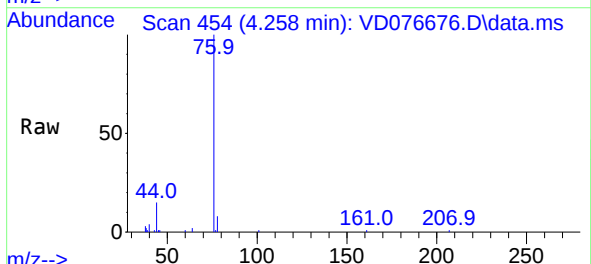
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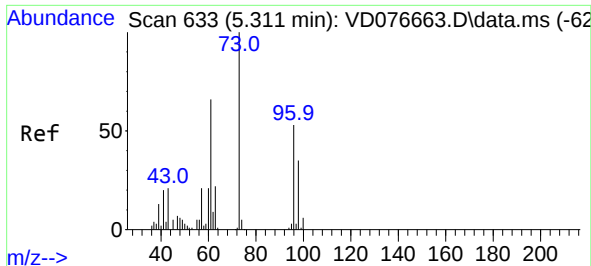
Tgt Ion: 76 Resp: 63679

Ion Ratio Lower Upper

76 100

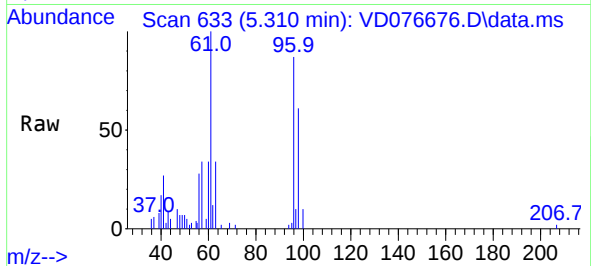
78 8.1 7.0 10.4





#17
trans-1,2-Dichloroethene
Concen: 5.999 ug/L
RT: 5.310 min Scan# 611
Delta R.T. -0.000 min
Lab File: VD076676.D
Acq: 30 Jun 2023 21:26

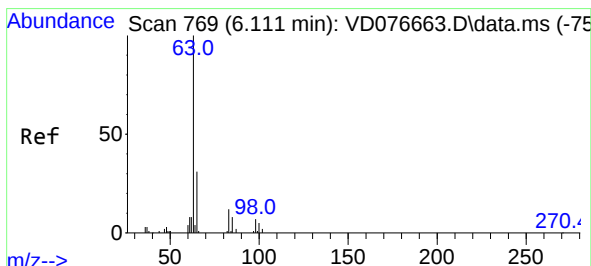
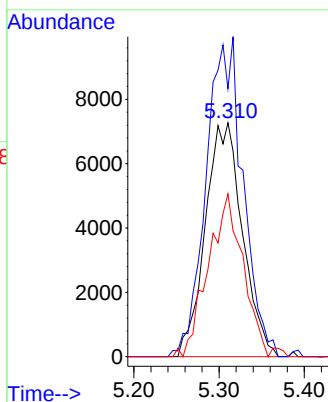
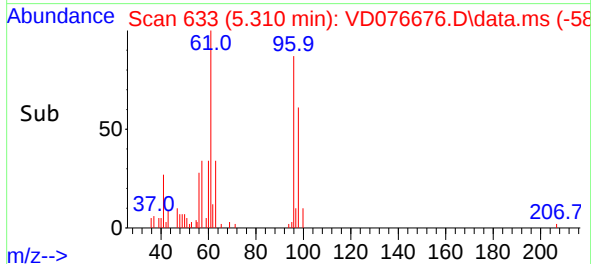
Instrument :
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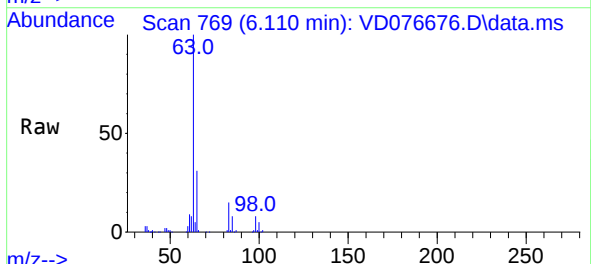
Tgt Ion: 96 Resp: 22020
Ion Ratio Lower Upper
96 100
61 114.6 94.5 175.5
98 69.7 46.0 85.4

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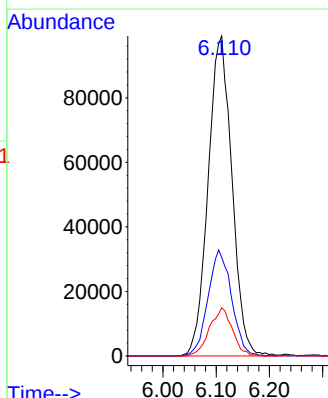
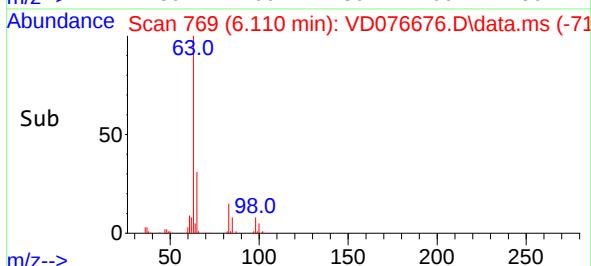
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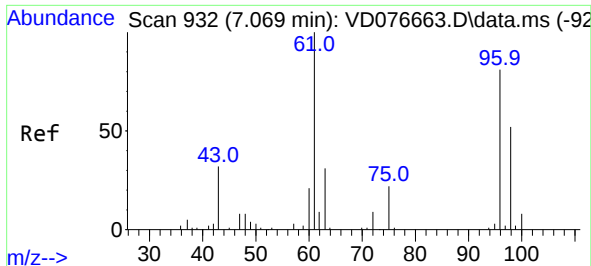


#19
1,1-Dichloroethane
Concen: 45.828 ug/L
RT: 6.110 min Scan# 769
Delta R.T. 0.006 min
Lab File: VD076676.D
Acq: 30 Jun 2023 21:26



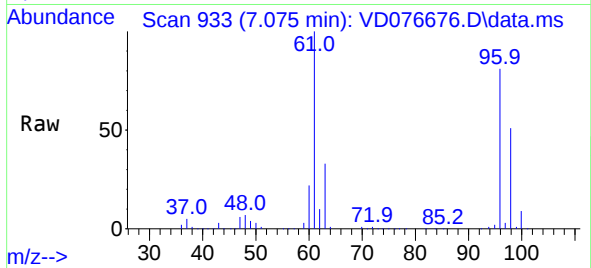
Tgt Ion: 63 Resp: 307641
Ion Ratio Lower Upper
63 100
65 30.8 20.8 38.6
83 15.0 8.9 16.5





#20
cis-1,2-Dichloroethene
Concen: 195.707 ug/L
RT: 7.075 min Scan# 91
Delta R.T. -0.000 min
Lab File: VD076676.D
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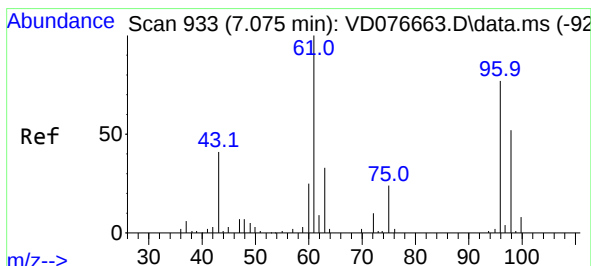
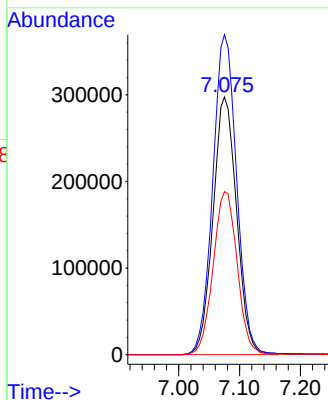
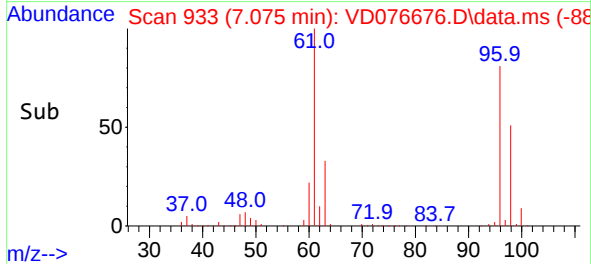
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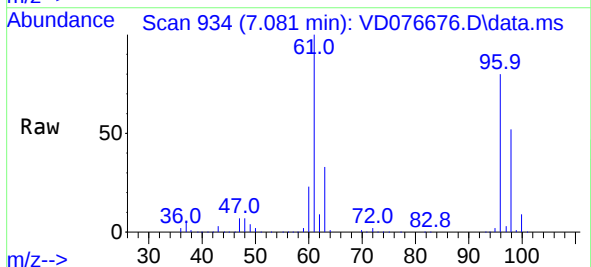
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Ion Ratio Lower Upper
96 100
61 124.1 86.0 159.6
98 63.2 42.2 78.4

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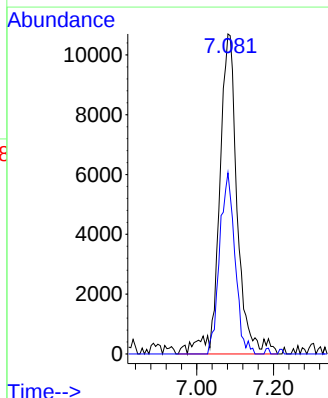
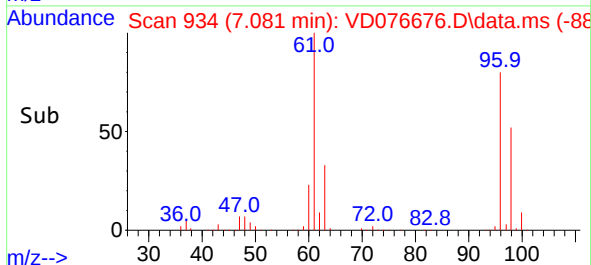
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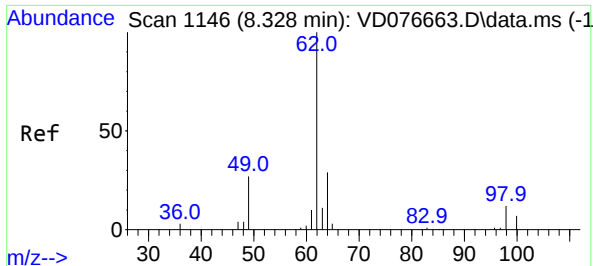


#22
2-Butanone
Concen: 28.268 ug/L m
RT: 7.081 min Scan# 934
Delta R.T. -0.000 min
Lab File: VD076676.D
Acq: 30 Jun 2023 21:26



Tgt Ion: 43 Resp: 34485
Ion Ratio Lower Upper
43 100
72 0.4 12.9 38.7#





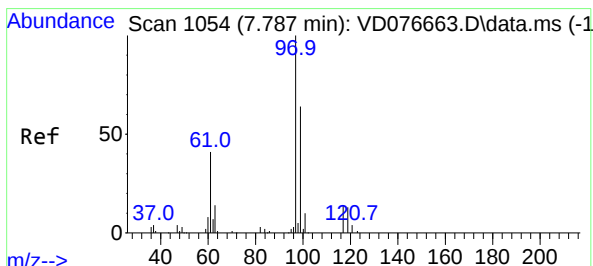
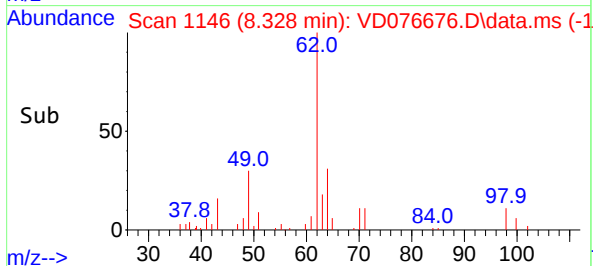
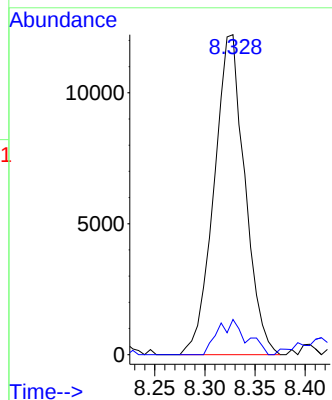
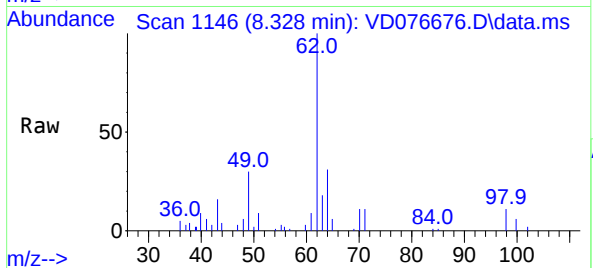
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1,2-Dichloroethane
Concen: 6.485 ug/L
RT: 8.328 min Scan# 1146
Delta R.T. 0.006 min
Lab File: VD076676.D
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Instrument :
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Tgt Ion: 62 Resp: 26129
Ion Ratio Lower Upper
62 100
98 11.0 8.7 13.1

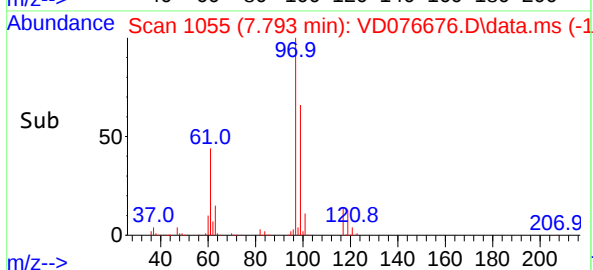
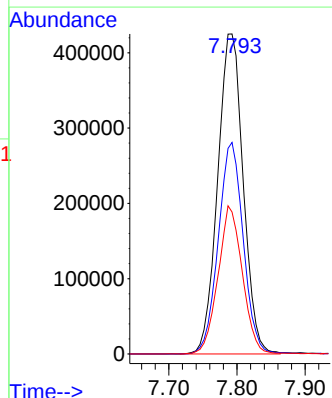
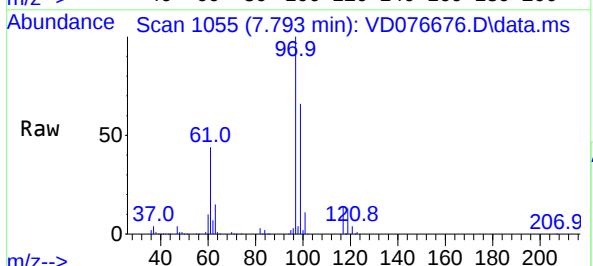
Manual Integrations
APPROVED

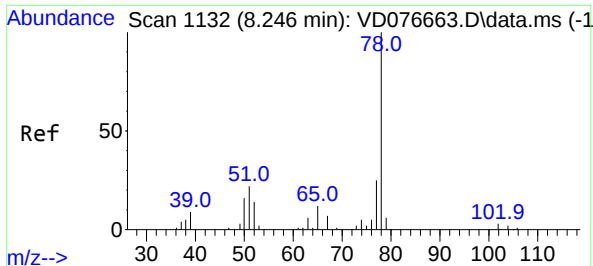
Reviewed By :Semsettin Yesilyurt 07/03/2023
Supervised By :Mahesh Dadoda 07/07/2023



#30
1,1,1-Trichloroethane
Concen: 297.403 ug/L
RT: 7.793 min Scan# 1055
Delta R.T. 0.006 min
Lab File: VD076676.D
Acq: 30 Jun 2023 21:26

Tgt Ion: 97 Resp: 1107758
Ion Ratio Lower Upper
97 100
99 64.6 51.0 76.6
61 44.0 36.4 54.6





Benzene

Concen: 1.187 ug/L

RT: 8.246 min Scan# 1132

Delta R.T. -0.000 min

Lab File: VD076676.D

Acq: 30 Jun 2023 21:26

Instrument :

MSVOA_D

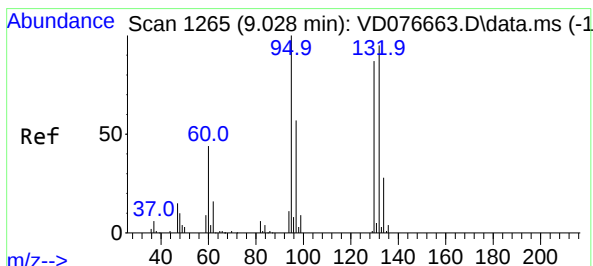
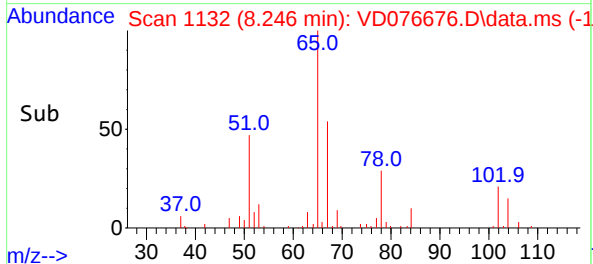
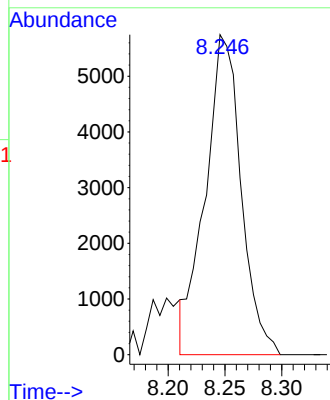
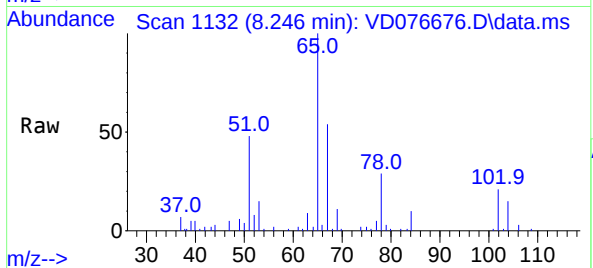
ClientSampleId :

A46S4RE

Tgt Ion: 78 Resp: 12594

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Reviewed By :Semsettin Yesilyurt 07/03/2023
Supervised By :Mahesh Dadoda 07/07/2023



Trichloroethene

Concen: 40.587 ug/L

RT: 9.028 min Scan# 1265

Delta R.T. -0.000 min

Lab File: VD076676.D

Acq: 30 Jun 2023 21:26

Tgt Ion: 95 Resp: 110639

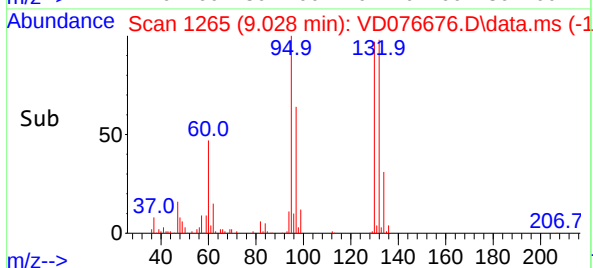
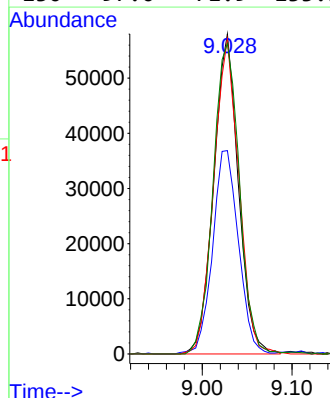
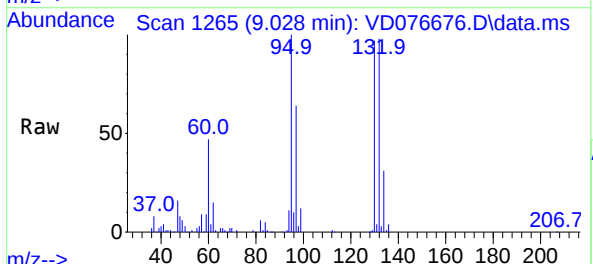
Ion Ratio Lower Upper

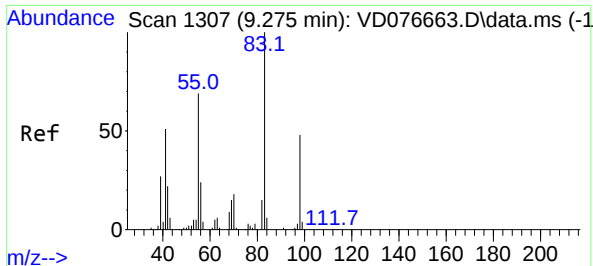
95 100

97 63.6 43.1 80.1

132 98.5 71.8 133.4

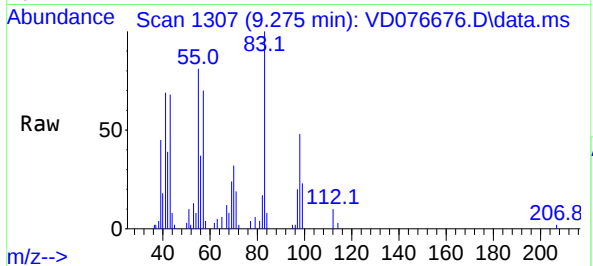
130 97.0 71.9 133.5





#35
Methylcyclohexane
Concen: 4.282 ug/L
RT: 9.275 min Scan# 11
Delta R.T. 0.006 min
Lab File: VD076676.D
Acq: 30 Jun 2023 21:26

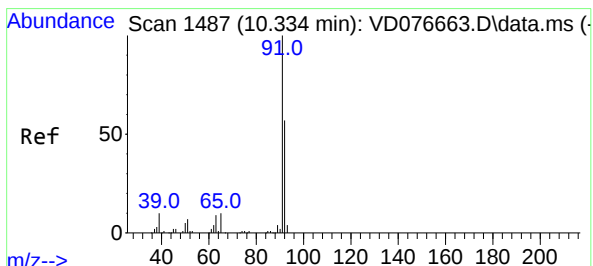
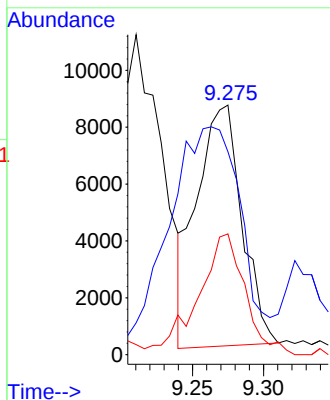
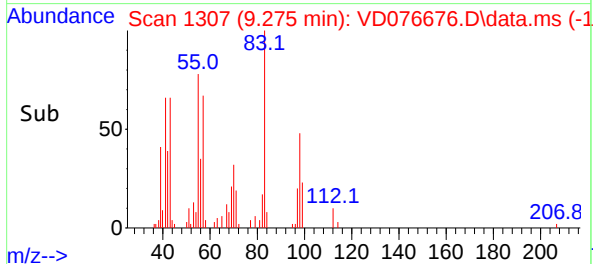
Instrument :
MSVOA_D
ClientSampleId :
A46S4RE



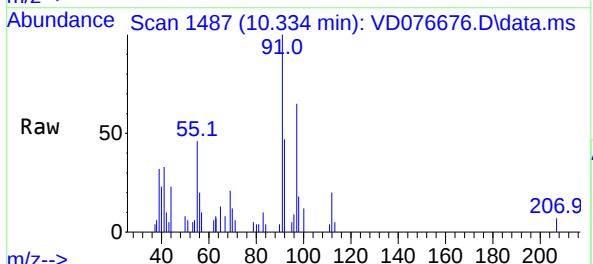
Tgt Ion: 83 Resp: 18824
Ion Ratio Lower Upper
83 100
55 145.9 59.8 89.6
98 51.6 37.8 56.6

Manual Integrations
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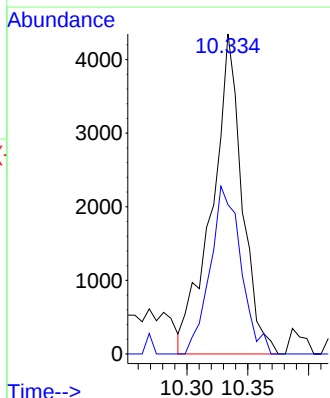
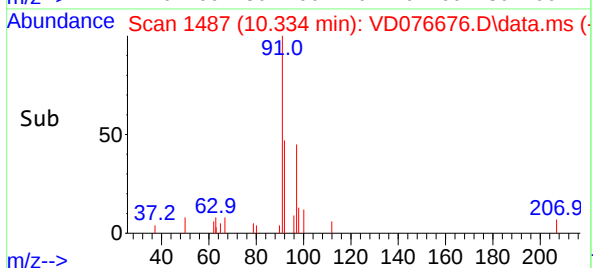
Reviewed By :Semsettin Yesilyurt 07/03/2023
Supervised By :Mahesh Dadoda 07/07/2023

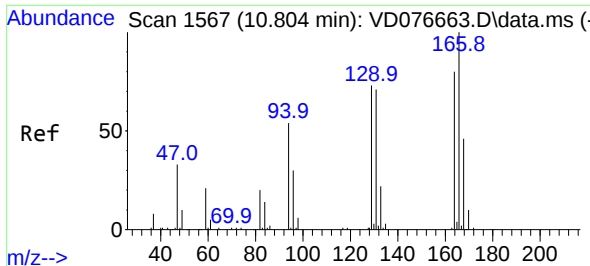


#42
Toluene
Concen: 0.661 ug/L
RT: 10.334 min Scan# 1487
Delta R.T. -0.000 min
Lab File: VD076676.D
Acq: 30 Jun 2023 21:26



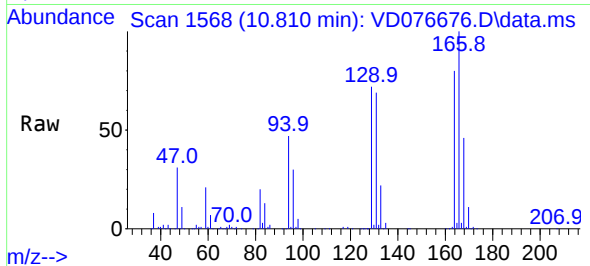
Tgt Ion: 91 Resp: 7492
Ion Ratio Lower Upper
91 100
92 46.7 39.3 73.1





#46
Tetrachloroethene
Concen: 97.777 ug/L
RT: 10.810 min Scan# 11
Delta R.T. -0.000 min
Lab File: VD076676.D
Acq: 30 Jun 2023 21:26

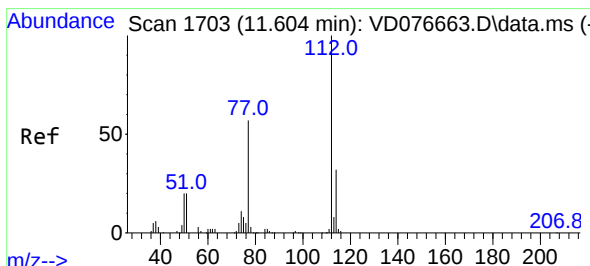
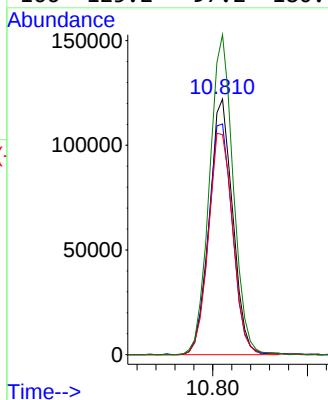
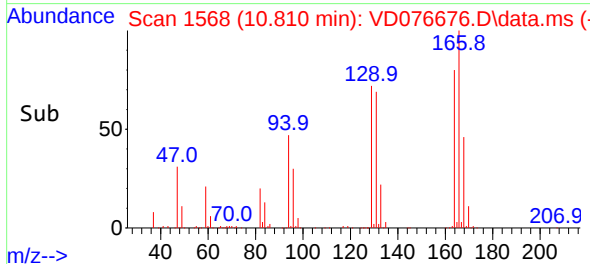
Instrument :
MSVOA_D
ClientSampleId :
A46S4RE



Tgt Ion:164 Resp: 209539
Ion Ratio Lower Upper
164 100
129 90.2 65.5 121.6
131 86.1 64.8 120.3
166 125.2 97.2 180.4

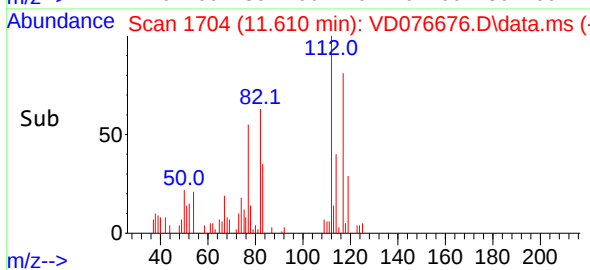
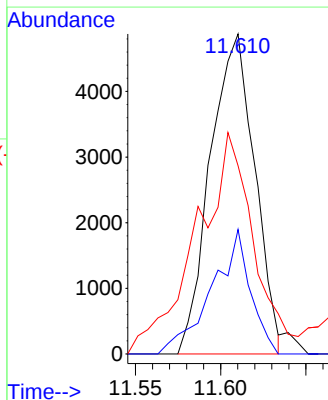
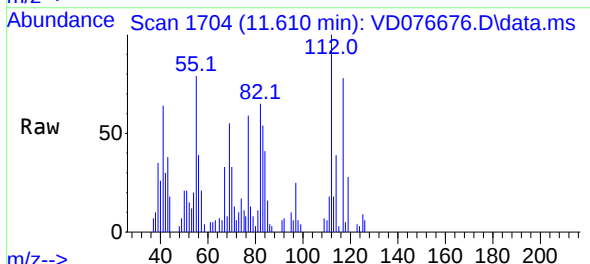
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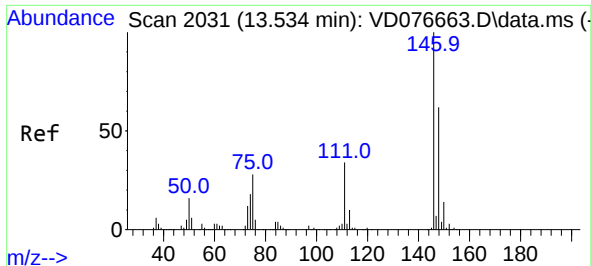
Reviewed By :Semsettin Yesilyurt 07/03/2023
Supervised By :Mahesh Dadoda 07/07/2023



#51
Chlorobenzene
Concen: 1.249 ug/L
RT: 11.610 min Scan# 1704
Delta R.T. 0.006 min
Lab File: VD076676.D
Acq: 30 Jun 2023 21:26

Tgt Ion:112 Resp: 8844
Ion Ratio Lower Upper
112 100
114 38.9 21.5 39.9
77 58.8 43.4 65.2





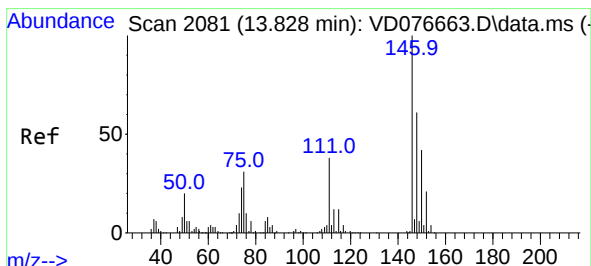
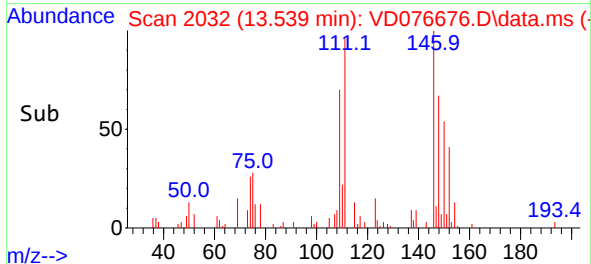
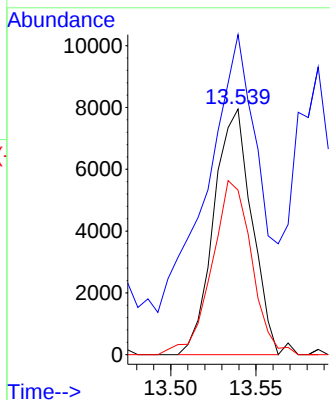
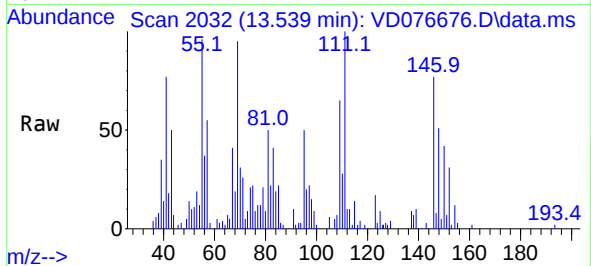
#65
1,4-Dichlorobenzene
Concen: 4.158 ug/L
RT: 13.539 min Scan# 2031
Delta R.T. -0.000 min
Lab File: VD076676.D
Acq: 30 Jun 2023 21:26

Instrument :
MSVOA_D
ClientSampleId :
A46S4RE

Tgt Ion:146 Resp: 12320
Ion Ratio Lower Upper
146 100
111 130.3 25.7 47.7
148 67.0 45.4 84.2

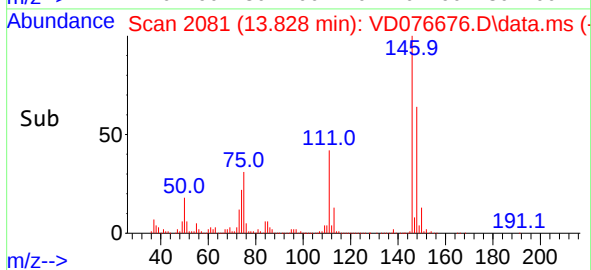
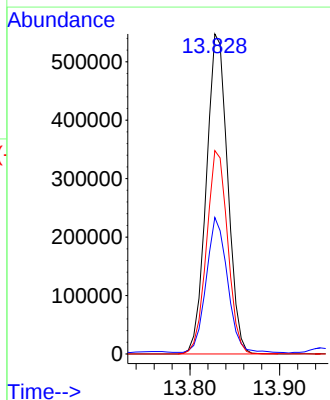
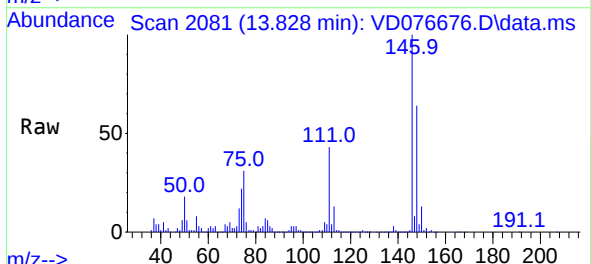
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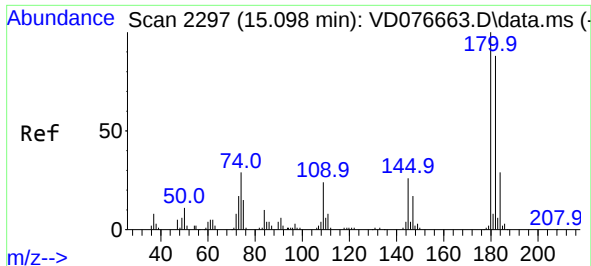
Reviewed By :Semsettin Yesilyurt 07/03/2023
Supervised By :Mahesh Dadoda 07/07/2023



#67
1,2-Dichlorobenzene
Concen: 344.504 ug/L
RT: 13.828 min Scan# 2081
Delta R.T. -0.000 min
Lab File: VD076676.D
Acq: 30 Jun 2023 21:26

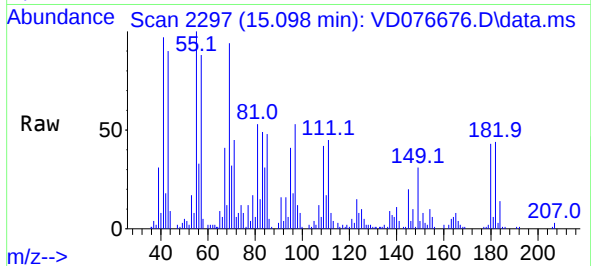
Tgt Ion:146 Resp: 902600
Ion Ratio Lower Upper
146 100
111 42.7 31.3 46.9
148 63.6 51.7 77.5





#70
1,2,4-trichlorobenzene
Concen: 11.646 ug/L
RT: 15.098 min Scan# 21
Delta R.T. -0.000 min
Lab File: VD076676.D
Acq: 30 Jun 2023 21:26

Instrument :
MSVOA_D
ClientSampleId :
A46S4RE



Tgt Ion:180 Resp: 2032
Ion Ratio Lower Upper
180 100
182 91.4 76.9 115.3
145 56.3 23.5 35.3

Manual Integrations
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Reviewed By :Semsettin Yesilyurt 07/03/2023
Supervised By :Mahesh Dadoda 07/07/2023

