

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD063023\
 Data File : VD076657.D
 Acq On : 30 Jun 2023 12:49
 Operator : KP/SY
 Sample : 03472-12
 Misc : 5.20G/10.0ml/MSVOA_D/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 A46S4

Manual Integrations
 APPROVED

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

Quant Time: Jul 03 01:30:02 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	213218	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.581	117	142717	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.516	152	44004	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.270	65	66042	12.719	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery =	50.880%		
7) Chloroethane-d5	2.799	69	67038	15.967	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery =	63.880%		
11) 1,1-Dichloroethene-d2	3.911	65	19661m	14.506	ug/L	0.00
Spiked Amount 25.000	Range 45 - 110		Recovery =	58.040%		
21) 2-Butanone-d5	6.981	46	56603	71.978	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery =	143.960%#		
24) Chloroform-d	7.563	84	116188	20.683	ug/L	0.00
Spiked Amount 25.000	Range 40 - 150		Recovery =	82.720%		
26) 1,2-Dichloroethane-d4	8.228	65	70997	25.619	ug/L	0.00
Spiked Amount 25.000	Range 70 - 130		Recovery =	102.480%		
32) Benzene-d6	8.199	84	209294	23.973	ug/L	0.00
Spiked Amount 25.000	Range 20 - 135		Recovery =	95.880%		
36) 1,2-Dichloropropane-d6	9.210	67	78274	28.089	ug/L	0.00
Spiked Amount 25.000	Range 70 - 120		Recovery =	112.360%		
41) Toluene-d8	10.269	98	166570	20.606	ug/L	0.00
Spiked Amount 25.000	Range 30 - 130		Recovery =	82.440%		
43) trans-1,3-Dichloroprop...	10.522	79	29724	25.645	ug/L	0.00
Spiked Amount 25.000	Range 30 - 135		Recovery =	102.560%		
47) 2-Hexanone-d5	10.875	63	40700	94.088	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery =	188.180%#		
56) 1,1,2,2-Tetrachloroeth...	12.651	84	62690	31.621	ug/L	0.00
Spiked Amount 25.000	Range 45 - 120		Recovery =	126.480%#		
66) 1,2-Dichlorobenzene-d4	13.816	152	35109m	21.767	ug/L	0.00
Spiked Amount 25.000	Range 75 - 120		Recovery =	87.080%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.887	85	4867	1.465	ug/L	96
5) Vinyl chloride	2.281	62	382016	64.114	ug/L	97
10) 1,1,2-Trichloro-1,2,2-...	3.964	101	185578	66.409	ug/L	99
12) 1,1-Dichloroethene	3.928	96	7820	2.826	ug/L #	1
13) Acetone	4.022	43	31000	48.807	ug/L	76
14) Carbon disulfide	4.258	76	20489	2.043	ug/L	96
17) trans-1,2-Dichloroethene	5.311	96	11966	3.879	ug/L	82
19) 1,1-Dichloroethane	6.105	63	210762	37.367	ug/L	99
20) cis-1,2-Dichloroethene	7.081	96	647017	187.789	ug/L	96
27) 1,2-Dichloroethane	8.322	62	20166	5.957	ug/L	99
30) 1,1,1-Trichloroethane	7.793	97	701184	211.489	ug/L	98
33) Benzene	8.246	78	9054	0.959	ug/L	100
34) Trichloroethene	9.028	95	115032	47.408	ug/L	96
42) Toluene	10.334	91	5288	0.524	ug/L	87
46) Tetrachloroethene	10.810	164	162573	85.227	ug/L	90
65) 1,4-Dichlorobenzene	13.534	146	11647	3.859	ug/L #	67
67) 1,2-Dichlorobenzene	13.828	146	743578	278.752	ug/L	97
70) 1,2,4-trichlorobenzene	15.098	180	16949	9.538	ug/L #	82

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

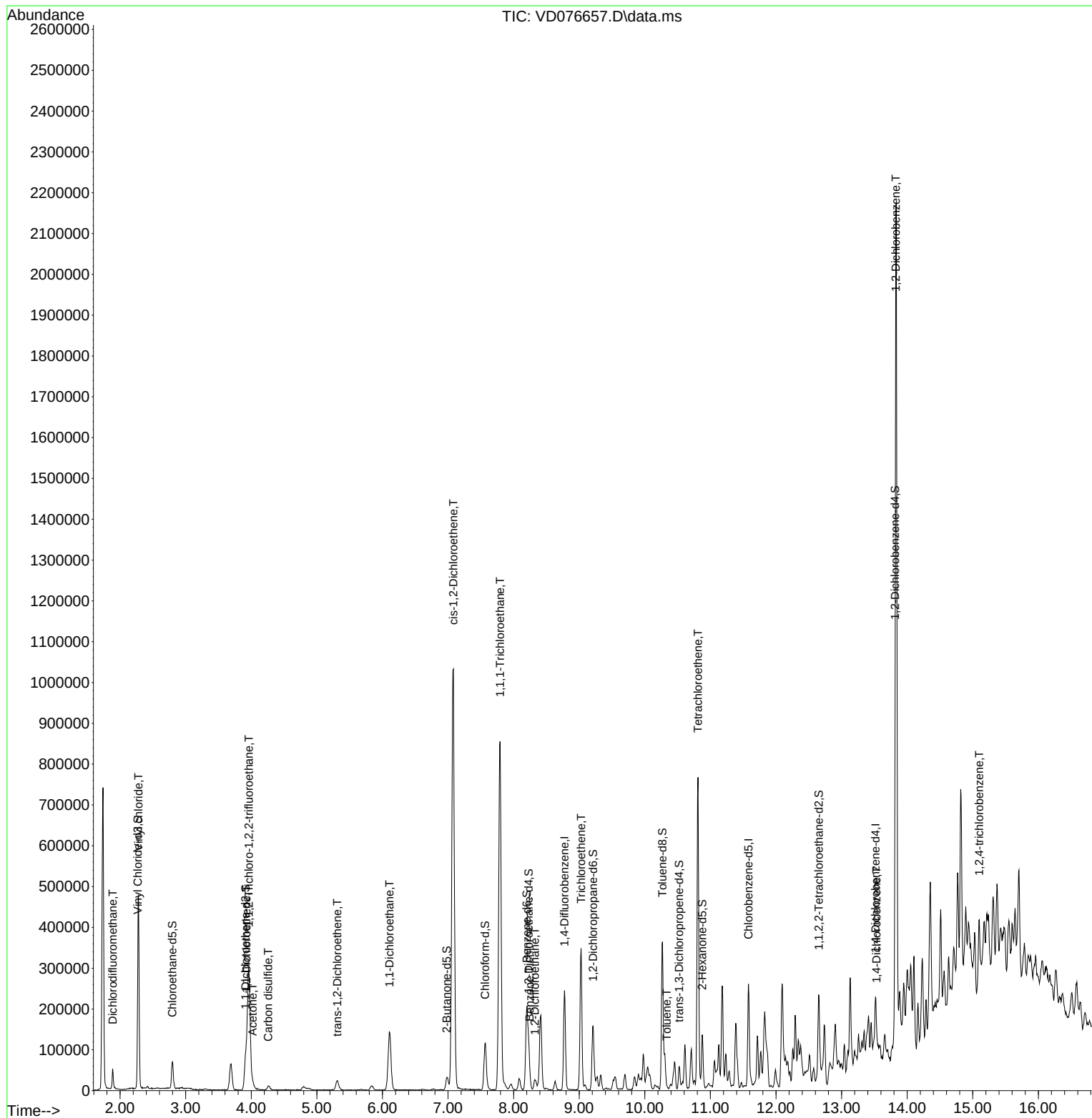
Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD063023\
Data File : VD076657.D
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Operator : KP/SY
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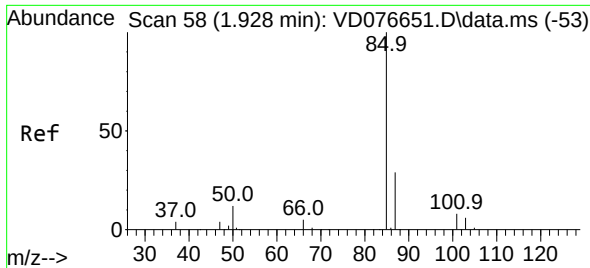
Instrument :
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Quant Title : SFAM01.0
QLast Update : Fri Jun 16 01:50:34 2023
Response via : Initial Calibration





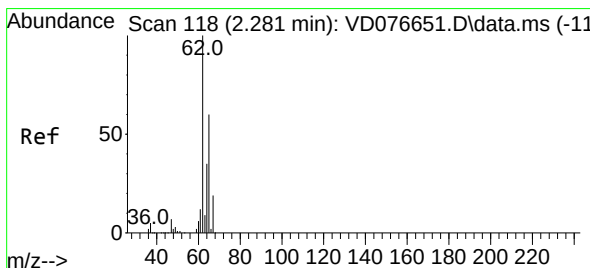
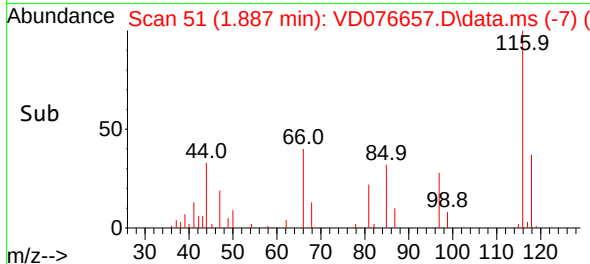
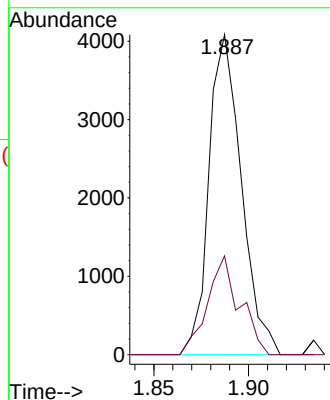
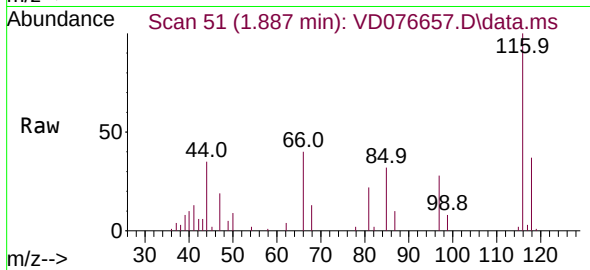
#2
Dichlorodifluoromethane
Concen: 1.465 ug/L
RT: 1.887 min Scan# 51
Delta R.T. -0.041 min
Lab File: VD076657.D
Acq: 30 Jun 2023 12:49

Instrument :
MSVOA_D
ClientSampleId :
A46S4

Tgt Ion: 85 Resp: 486
Ion Ratio Lower Upper
85 100
87 30.8 26.3 39.5

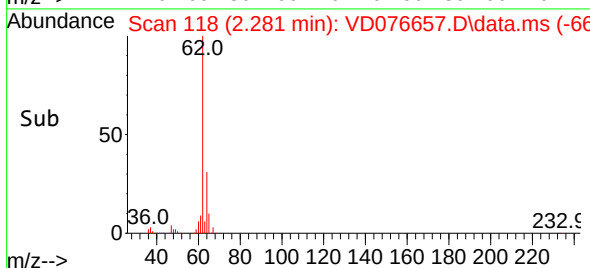
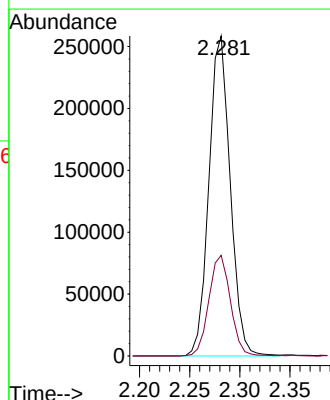
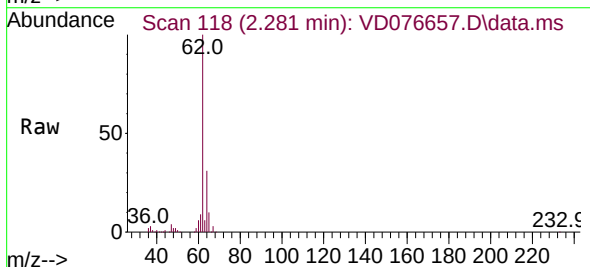
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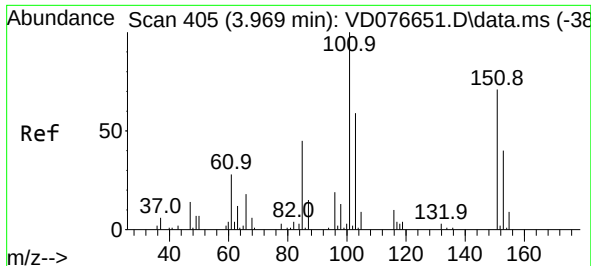
Reviewed By :Semsettin Yesilyurt 07/03/2023
Supervised By :Mahesh Dadoda 07/07/2023



#5
Vinyl chloride
Concen: 64.114 ug/L
RT: 2.281 min Scan# 118
Delta R.T. 0.006 min
Lab File: VD076657.D
Acq: 30 Jun 2023 12:49

Tgt Ion: 62 Resp: 382016
Ion Ratio Lower Upper
62 100
64 31.5 21.1 39.1





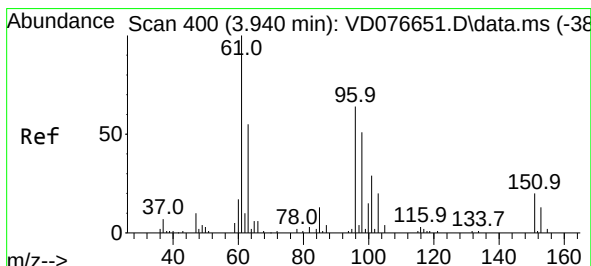
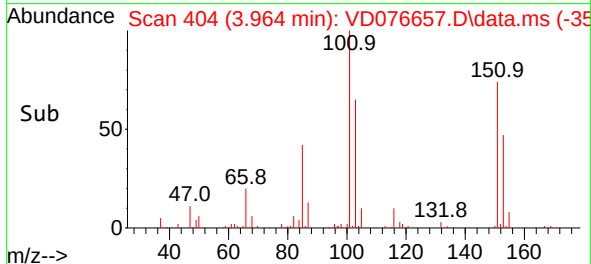
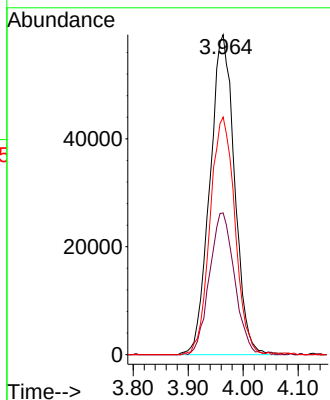
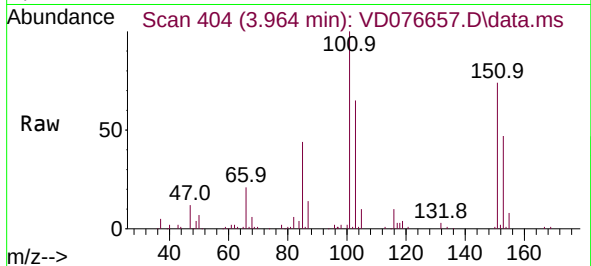
#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 66.409 ug/L
RT: 3.964 min Scan# 405
Delta R.T. 0.006 min
Lab File: VD076657.D
Acq: 30 Jun 2023 12:49

Instrument :
MSVOA_D
Client Sample Id :
A46S4

Tgt Ion: 101 Resp: 185578
Ion Ratio Lower Upper
101 100
85 44.8 35.5 53.3
151 74.4 58.6 87.8

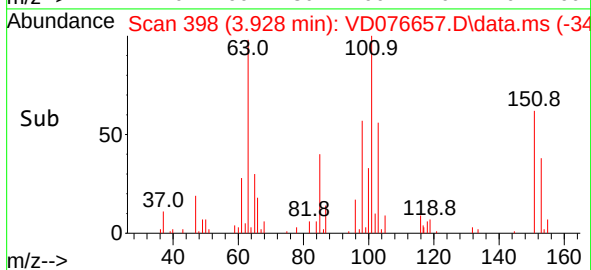
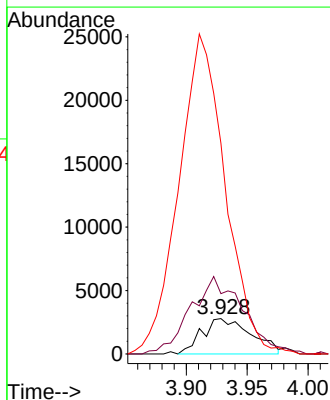
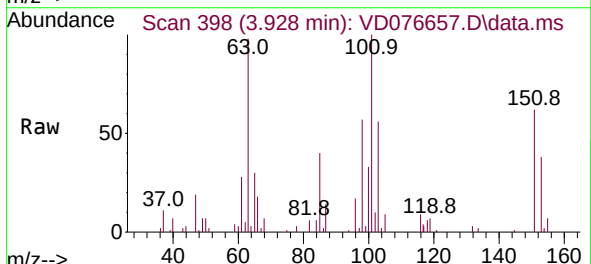
Manual Integrations
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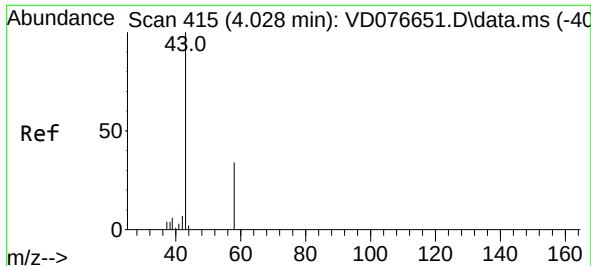
Reviewed By : Semsettin Yesilyurt 07/03/2023
Supervised By : Mahesh Dadoda 07/07/2023



#12
1,1-Dichloroethene
Concen: 2.826 ug/L
RT: 3.928 min Scan# 398
Delta R.T. 0.000 min
Lab File: VD076657.D
Acq: 30 Jun 2023 12:49

Tgt Ion: 96 Resp: 7820
Ion Ratio Lower Upper
96 100
61 170.2 113.0 209.8
63 595.1 83.6 155.2#





#13

Acetone

Concen: 48.807 ug/L

RT: 4.022 min Scan# 41

Delta R.T. 0.000 min

Lab File: VD076657.D

Acq: 30 Jun 2023 12:49

Instrument :

MSVOA_D

ClientSampleId :

A46S4

Tgt Ion: 43 Resp: 31000

Ion Ratio Lower Upper

43 100

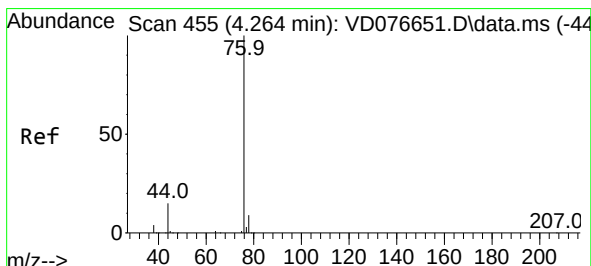
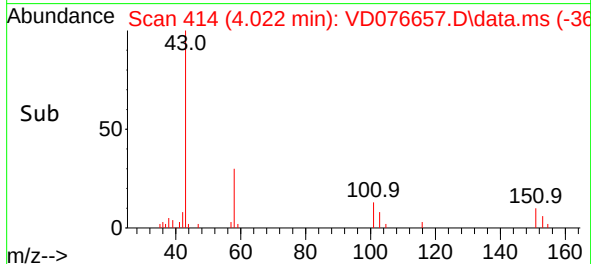
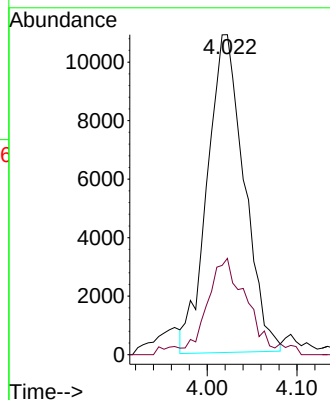
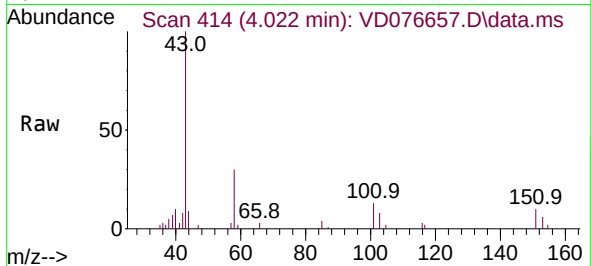
58 20.1 0.0 67.4

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 07/03/2023

Supervised By :Mahesh Dadoda 07/07/2023



#14

Carbon disulfide

Concen: 2.043 ug/L

RT: 4.258 min Scan# 454

Delta R.T. -0.006 min

Lab File: VD076657.D

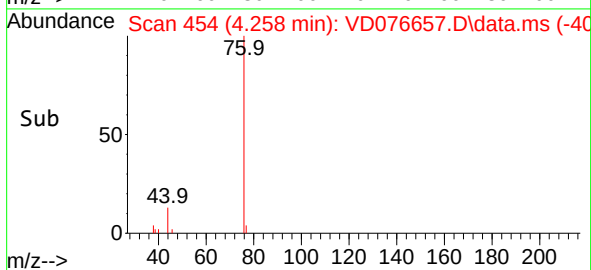
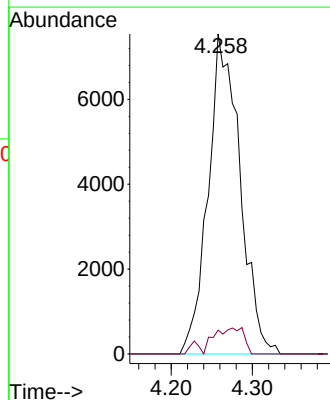
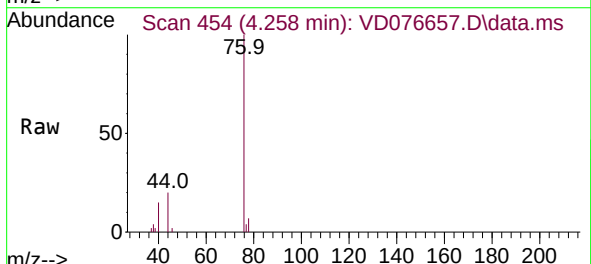
Acq: 30 Jun 2023 12:49

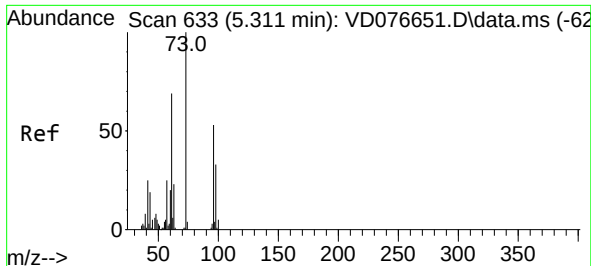
Tgt Ion: 76 Resp: 20489

Ion Ratio Lower Upper

76 100

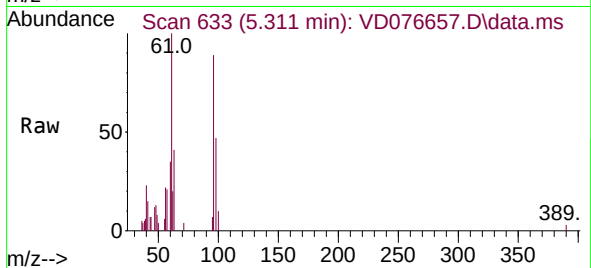
78 7.4 7.0 10.4





#17
trans-1,2-Dichloroethene
Concen: 3.879 ug/L
RT: 5.311 min Scan# 611
Delta R.T. 0.000 min
Lab File: VD076657.D
Acq: 30 Jun 2023 12:49

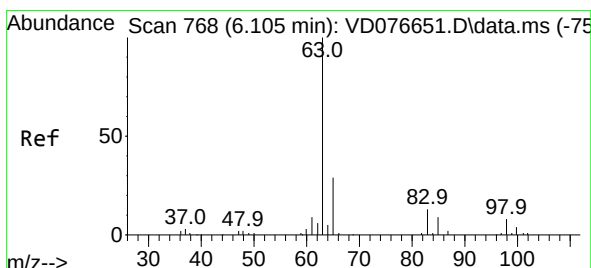
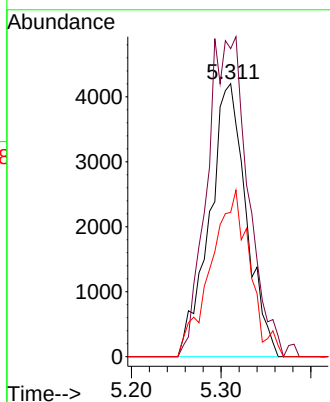
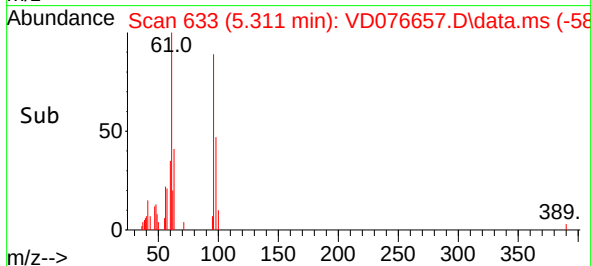
Instrument :
MSVOA_D
ClientSampleId :
A46S4



Tgt Ion: 96 Resp: 11960
Ion Ratio Lower Upper
96 100
61 112.9 94.5 175.5
98 52.9 46.0 85.4

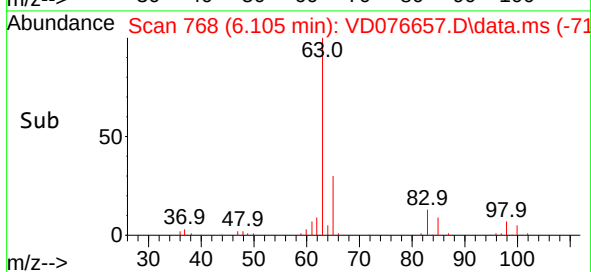
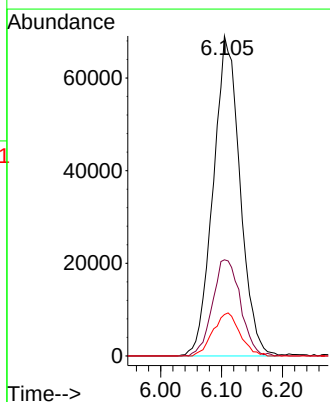
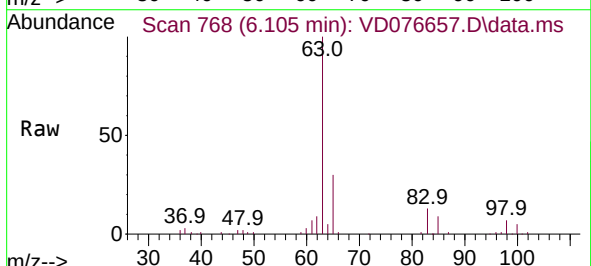
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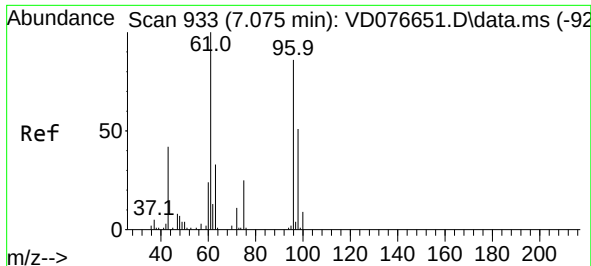
Reviewed By :Semsettin Yesilyurt 07/03/2023
Supervised By :Mahesh Dadoda 07/07/2023



#19
1,1-Dichloroethane
Concen: 37.367 ug/L
RT: 6.105 min Scan# 768
Delta R.T. 0.000 min
Lab File: VD076657.D
Acq: 30 Jun 2023 12:49

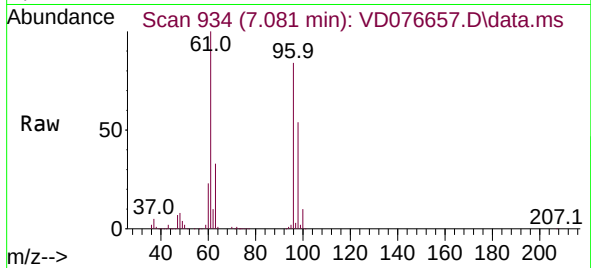
Tgt Ion: 63 Resp: 210762
Ion Ratio Lower Upper
63 100
65 30.1 20.8 38.6
83 13.0 8.9 16.5





#20
cis-1,2-Dichloroethene
Concen: 187.789 ug/L
RT: 7.081 min Scan# 91
Delta R.T. 0.006 min
Lab File: VD076657.D
Acq: 30 Jun 2023 12:49

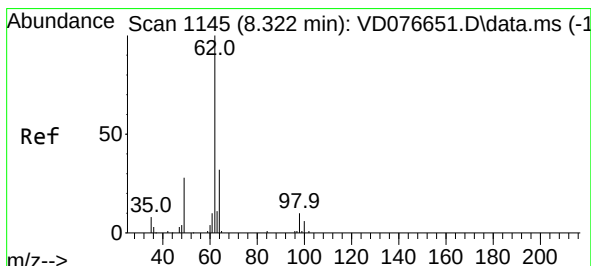
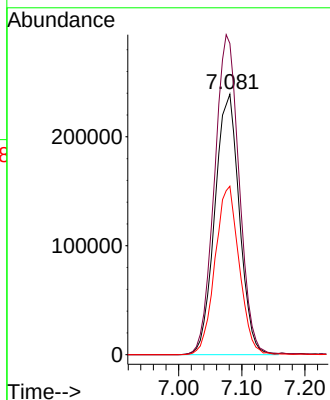
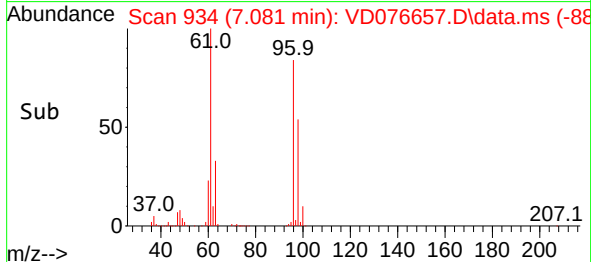
Instrument :
MSVOA_D
ClientSampleId :
A46S4



Tgt Ion: 96 Resp: 64701
Ion Ratio Lower Upper
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98 64.7 42.2 78.4

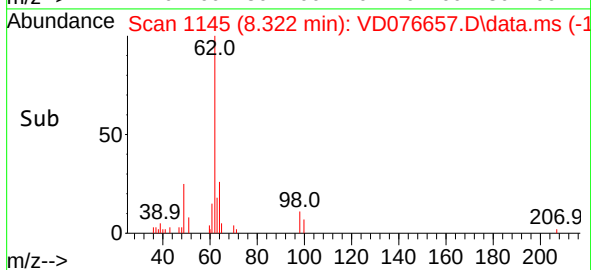
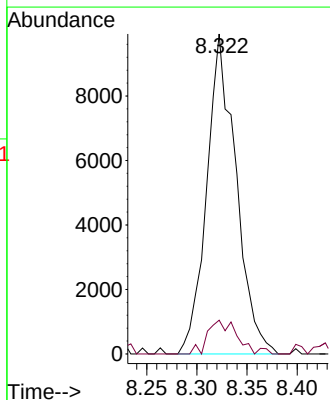
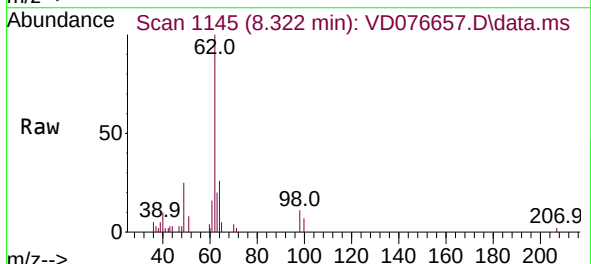
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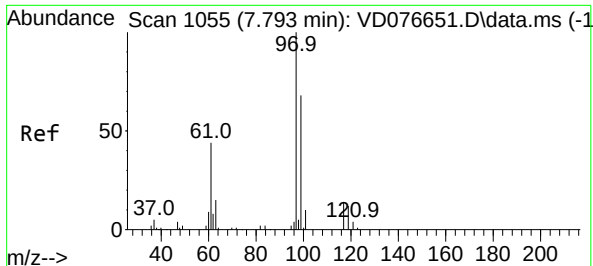
Reviewed By :Semsettin Yesilyurt 07/03/2023
Supervised By :Mahesh Dadoda 07/07/2023



#27
1,2-Dichloroethane
Concen: 5.957 ug/L
RT: 8.322 min Scan# 1145
Delta R.T. 0.000 min
Lab File: VD076657.D
Acq: 30 Jun 2023 12:49

Tgt Ion: 62 Resp: 20166
Ion Ratio Lower Upper
62 100
98 10.5 8.7 13.1





#30

1,1,1-Trichloroethane

Concen: 211.489 ug/L

RT: 7.793 min Scan# 1055

Delta R.T. 0.006 min

Lab File: VD076657.D

Acq: 30 Jun 2023 12:49

Instrument :

MSVOA_D

ClientSampleId :

A46S4

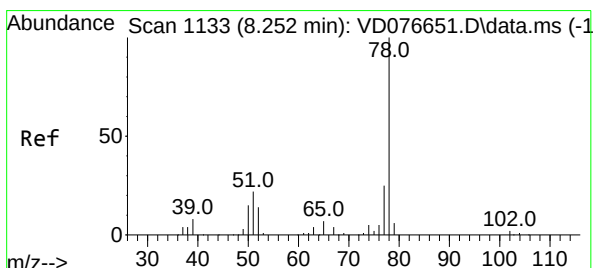
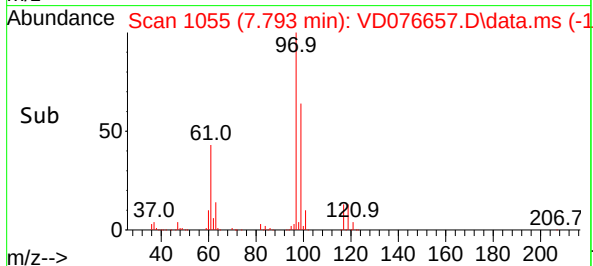
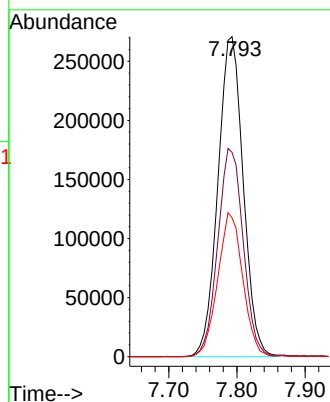
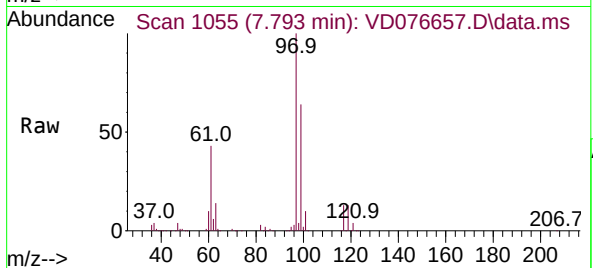
Tgt Ion: 97 Resp: 701184

Ion	Ratio	Lower	Upper
97	100		
99	65.2	51.0	76.6
61	44.5	36.4	54.6

Manual Integrations

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Supervised By :Mahesh Dadoda 07/07/2023



#33

Benzene

Concen: 0.959 ug/L

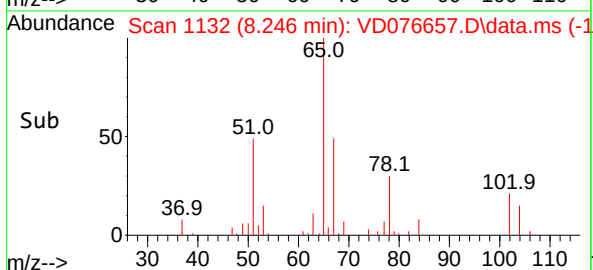
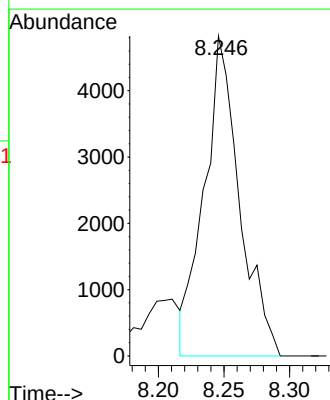
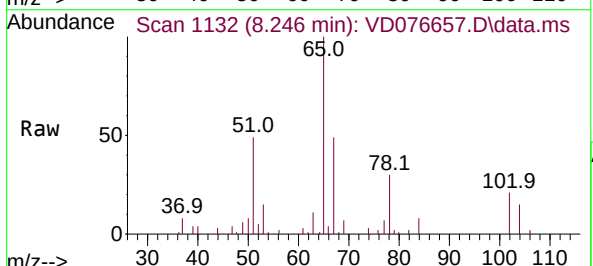
RT: 8.246 min Scan# 1132

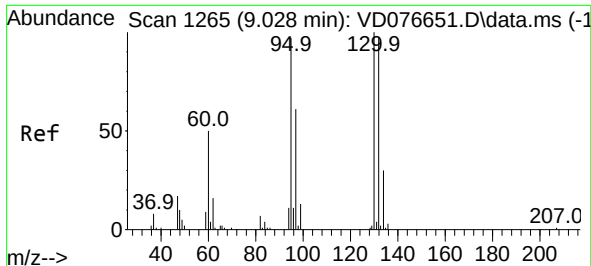
Delta R.T. 0.000 min

Lab File: VD076657.D

Acq: 30 Jun 2023 12:49

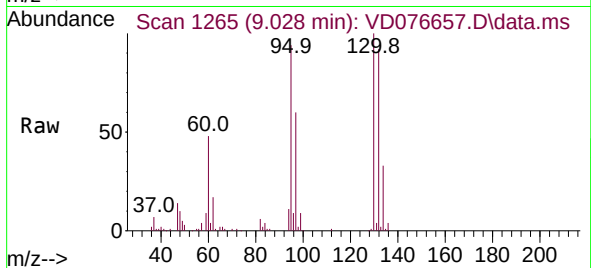
Tgt Ion: 78 Resp: 9054





#34
Trichloroethene
Concen: 47.408 ug/L
RT: 9.028 min Scan# 1265
Delta R.T. 0.000 min
Lab File: VD076657.D
Acq: 30 Jun 2023 12:49

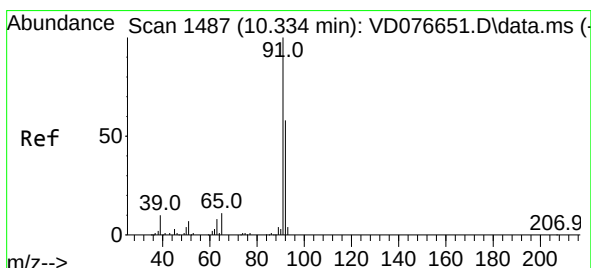
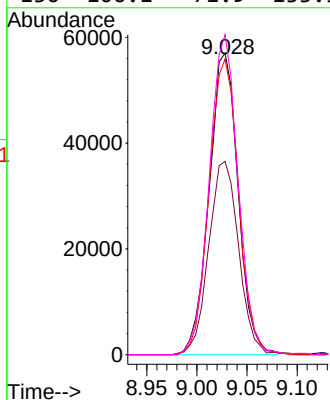
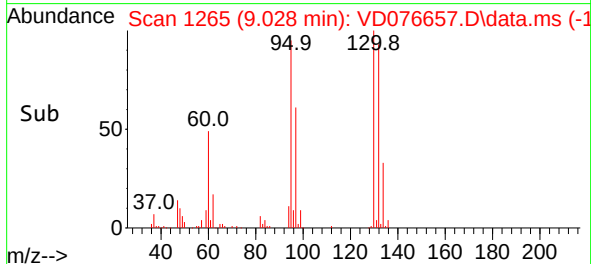
Instrument :
MSVOA_D
ClientSampleId :
A46S4



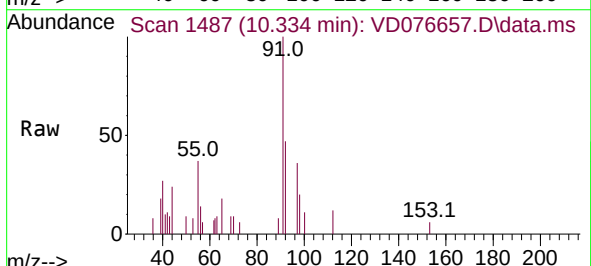
Tgt Ion: 95 Resp: 11503
Ion Ratio Lower Upper
95 100
97 64.1 43.1 80.1
132 98.0 71.8 133.4
130 106.1 71.9 133.5

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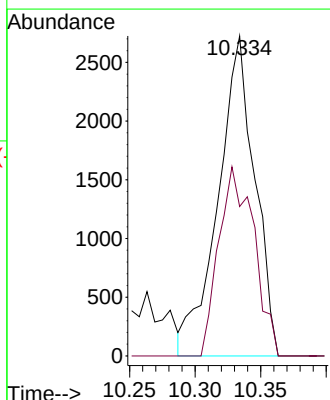
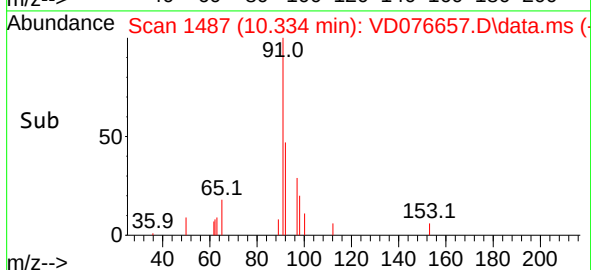
Reviewed By :Semsettin Yesilyurt 07/03/2023
Supervised By :Mahesh Dadoda 07/07/2023

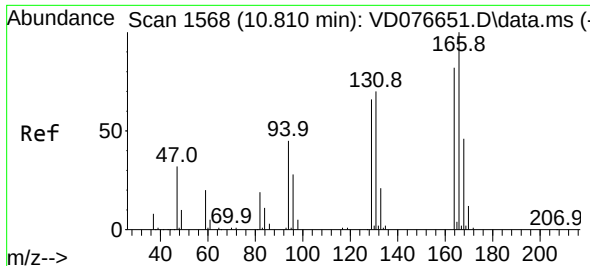


#42
Toluene
Concen: 0.524 ug/L
RT: 10.334 min Scan# 1487
Delta R.T. 0.000 min
Lab File: VD076657.D
Acq: 30 Jun 2023 12:49



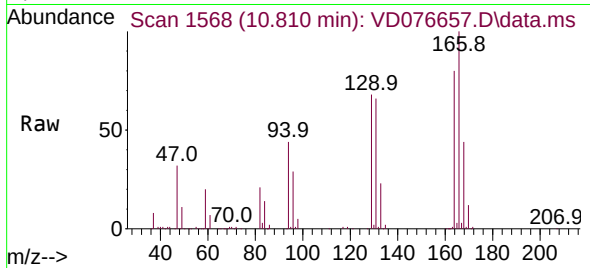
Tgt Ion: 91 Resp: 5288
Ion Ratio Lower Upper
91 100
92 46.7 39.3 73.1





#46
Tetrachloroethene
Concen: 85.227 ug/L
RT: 10.810 min Scan# 11
Delta R.T. 0.000 min
Lab File: VD076657.D
Acq: 30 Jun 2023 12:49

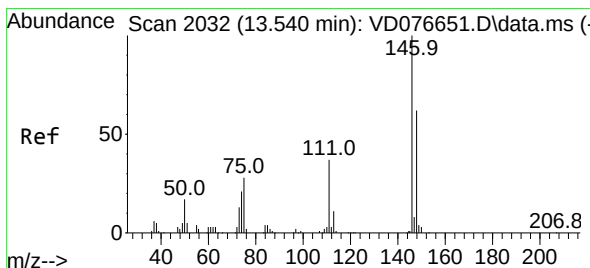
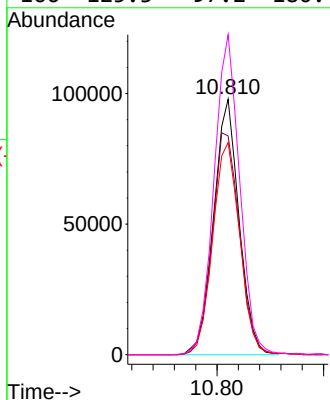
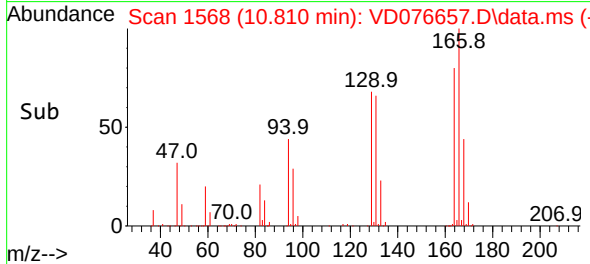
Instrument :
MSVOA_D
ClientSampleId :
A46S4



Tgt Ion:164 Resp: 16257
Ion Ratio Lower Upper
164 100
129 85.6 65.5 121.6
131 83.0 64.8 120.3
166 125.3 97.2 180.4

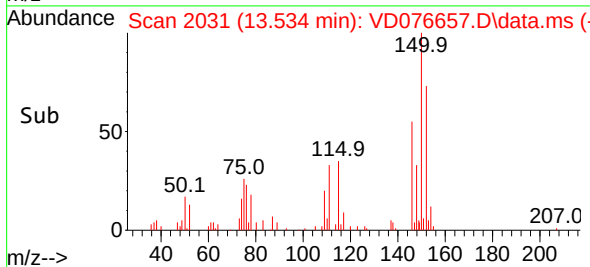
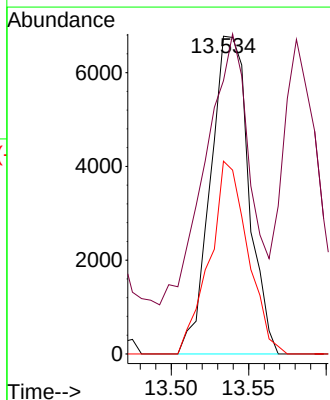
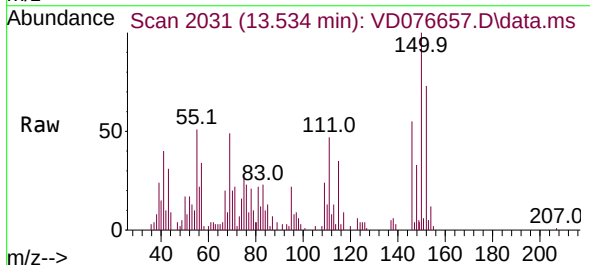
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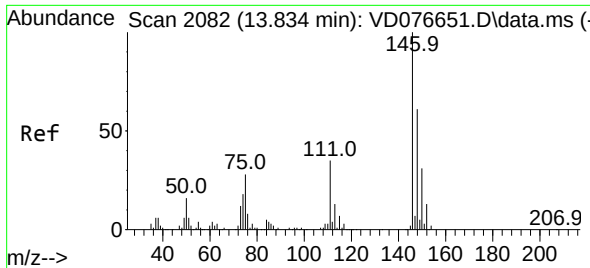
Reviewed By :Semsettin Yesilyurt 07/03/2023
Supervised By :Mahesh Dadoda 07/07/2023



#65
1,4-Dichlorobenzene
Concen: 3.859 ug/L
RT: 13.534 min Scan# 2031
Delta R.T. -0.006 min
Lab File: VD076657.D
Acq: 30 Jun 2023 12:49

Tgt Ion:146 Resp: 11647
Ion Ratio Lower Upper
146 100
111 86.0 25.7 47.7#
148 60.6 45.4 84.2





#67

1,2-Dichlorobenzene

Concen: 278.752 ug/L

RT: 13.828 min Scan# 2082

Delta R.T. 0.000 min

Lab File: VD076657.D

Acq: 30 Jun 2023 12:49

Instrument :

MSVOA_D

ClientSampleId :

A46S4

Tgt Ion:146 Resp: 743578

Ion Ratio Lower Upper

146 100

111 41.4 31.3 46.9

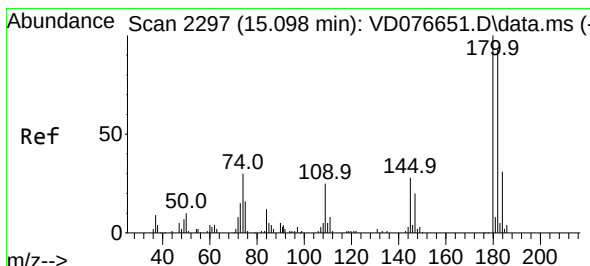
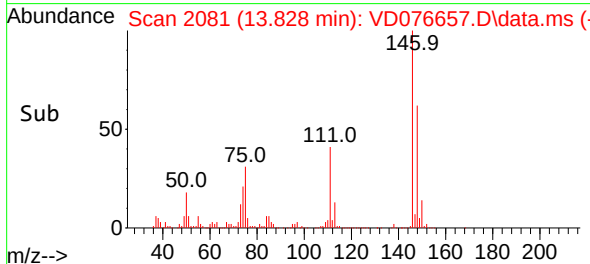
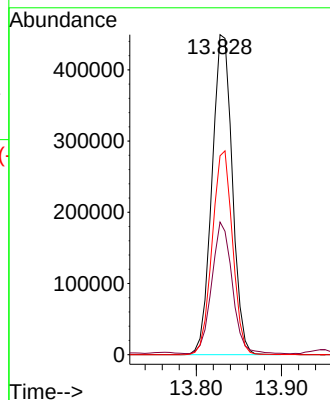
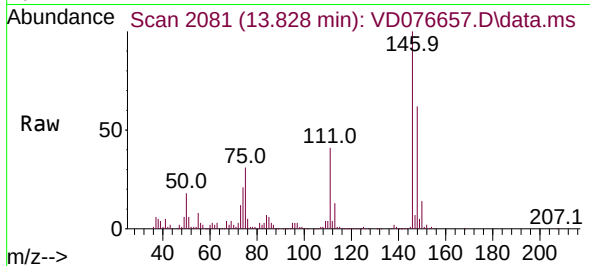
148 62.2 51.7 77.5

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 07/03/2023

Supervised By :Mahesh Dadoda 07/07/2023



#70

1,2,4-trichlorobenzene

Concen: 9.538 ug/L

RT: 15.098 min Scan# 2297

Delta R.T. 0.000 min

Lab File: VD076657.D

Acq: 30 Jun 2023 12:49

Tgt Ion:180 Resp: 16949

Ion Ratio Lower Upper

180 100

182 102.1 76.9 115.3

145 60.4 23.5 35.3#

