

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL090723\
 Data File : VL040674.D
 Acq On : 7 Sep 2023 16:29
 Operator : SY/MD
 Sample : 04323-01 4X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SV1

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 09/11/2023
 Supervised By :Mahesh Dadoda 09/11/2023

Quant Time: Sep 07 19:11:18 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL081523AIR.M
 Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Fri Aug 2023
 QLast Update : Wed Aug 16 05:43:50 2023
 Response via : Initial Calibration

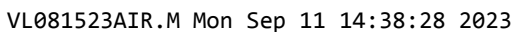
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

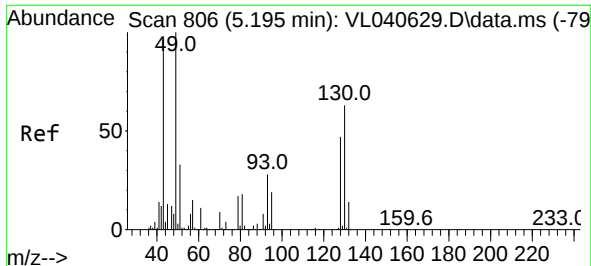
Internal Standards						
1) Bromochloromethane	5.192	49	941685	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.658	114	2463000	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.487	117	2194046	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.793	95	1898878	10.882	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	108.800%
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.719	85	41025	0.202	ppbv	98
3) Chlorodifluoromethane	2.661	51	13570m	0.088	ppbv	
9) Propene	2.690	41	21470	0.448	ppbv	87
10) Heptane	7.587	43	18148m	0.164	ppbv	
11) Trichlorofluoromethane	3.558	101	15579	0.095	ppbv	98
15) Acetone	3.465	43	893008	7.753	ppbv	96
17) tert-Butyl alcohol	3.890	59	25152	0.206	ppbv #	90
20) Methylene Chloride	3.928	84	507768	9.021	ppbv	97
22) trans-1,2-Dichloroethene	4.439	96	54675	1.011	ppbv	86
26) Hexane	5.214	57	409861	3.916	ppbv #	36
28) Methyl tert-Butyl Ether	4.597	73	9082m	0.112	ppbv	
29) Chloroform	5.272	83	182594	1.102	ppbv	95
31) cis-1,2-Dichloroethene	5.076	61	1625689	17.211	ppbv	97
34) 2-Butanone	4.800	43	88477	0.712	ppbv	97
36) Benzene	6.378	78	36336	0.185	ppbv #	85
38) Trichloroethene	7.301	130	8242296	108.635	ppbv	94
52) Tetrachloroethene	10.725	164	53274678	868.164	ppbv	88
53) Toluene	9.237	91	54368m	0.261	ppbv	

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

Manual Integrations

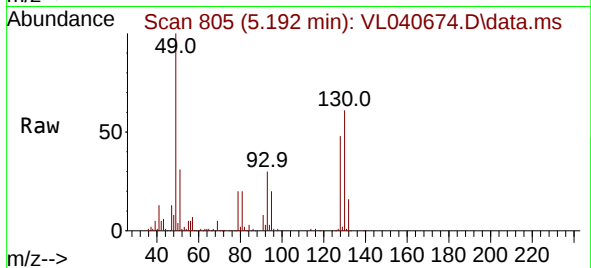
Quant Time: Sep 07 19:11:18 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL081523AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug
QLast Update : Wed Aug 16 05:43:50 2023
Response via : Initial Calibration





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.192 min Scan# 806
Delta R.T. -0.003 min
Lab File: VL040674.D
Acq: 7 Sep 2023 16:29

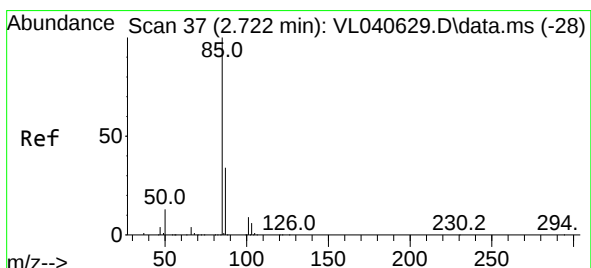
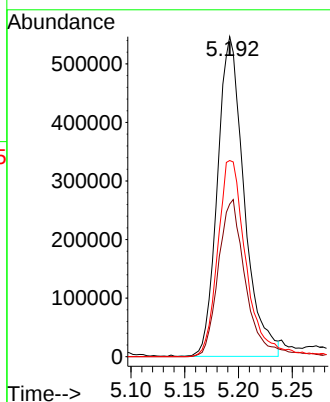
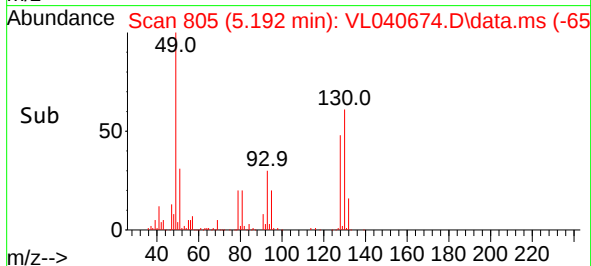
Instrument :
MSVOA_L
ClientSampleId :
SV1



Tgt Ion: 49 Resp: 94168
Ion Ratio Lower Upper
49 100
128 51.8 24.9 74.7
130 67.0 32.2 96.6

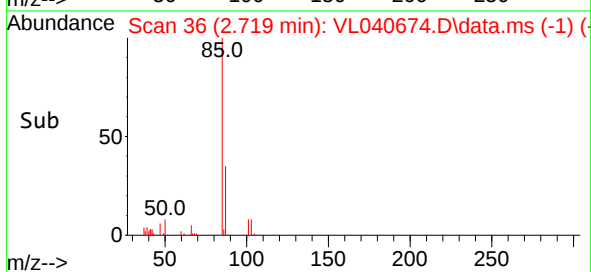
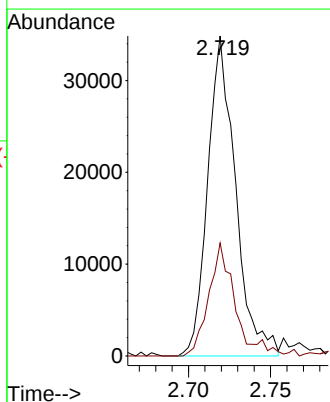
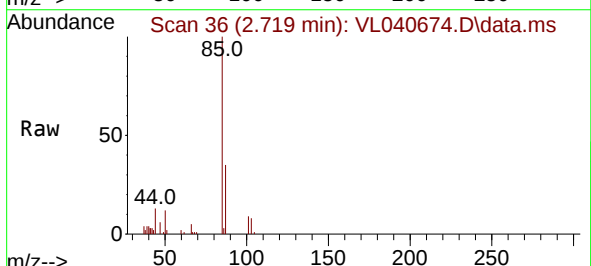
Manual Integrations
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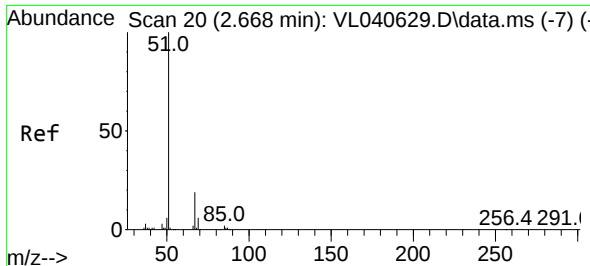
Reviewed By :Semsettin Yesilyurt 09/11/2023
Supervised By :Mahesh Dadoda 09/11/2023



#2
Dichlorodifluoromethane
Concen: 0.202 ppbv
RT: 2.719 min Scan# 36
Delta R.T. -0.003 min
Lab File: VL040674.D
Acq: 7 Sep 2023 16:29

Tgt Ion: 85 Resp: 41025
Ion Ratio Lower Upper
85 100
87 35.3 27.5 41.3





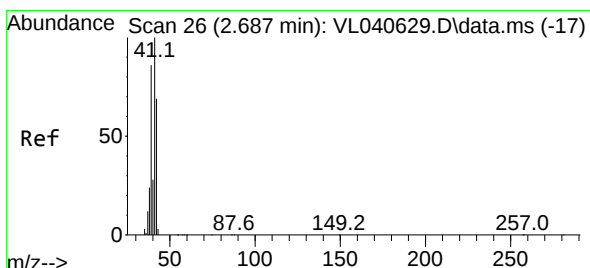
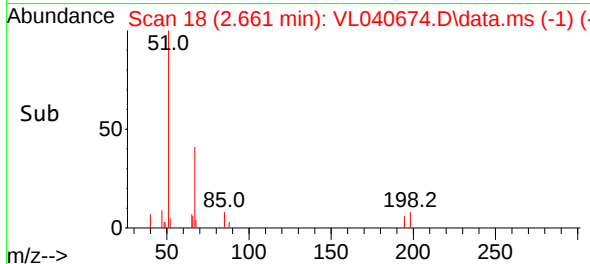
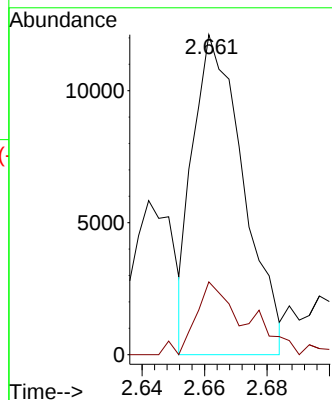
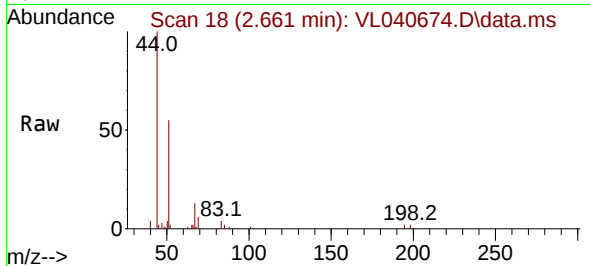
#3
Chlorodifluoromethane
Concen: 0.088 ppbv m
RT: 2.661 min Scan# 11
Delta R.T. -0.006 min
Lab File: VL040674.D
Acq: 7 Sep 2023 16:29

Instrument :
MSVOA_L
ClientSampleId :
SV1

Tgt Ion: 51 Resp: 13570
Ion Ratio Lower Upper
51 100
67 1.5 15.0 22.6

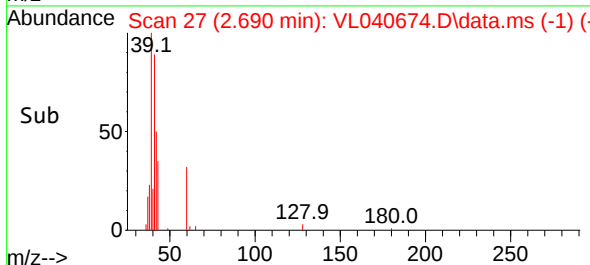
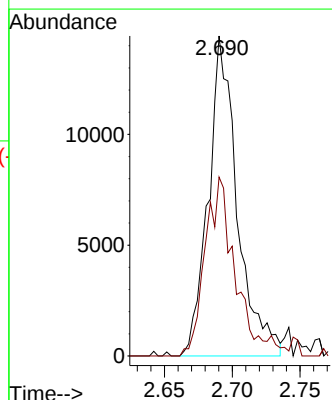
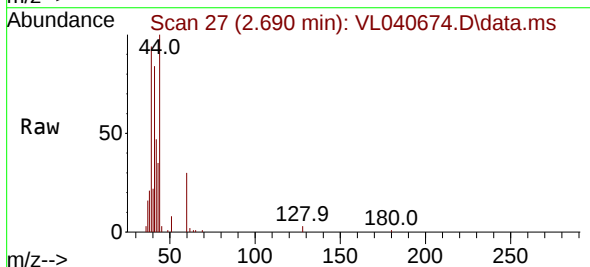
Manual Integrations
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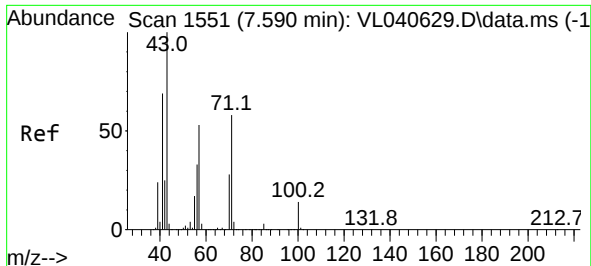
Reviewed By :Semsettin Yesilyurt 09/11/2023
Supervised By :Mahesh Dadoda 09/11/2023



#9
Propene
Concen: 0.448 ppbv
RT: 2.690 min Scan# 27
Delta R.T. 0.003 min
Lab File: VL040674.D
Acq: 7 Sep 2023 16:29

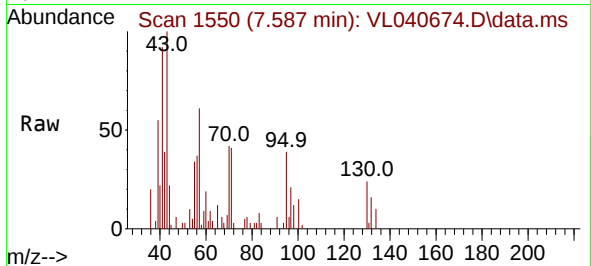
Tgt Ion: 41 Resp: 21470
Ion Ratio Lower Upper
41 100
42 60.1 56.5 84.7





#10
Heptane
Concen: 0.164 ppbv m
RT: 7.587 min Scan# 11
Delta R.T. -0.003 min
Lab File: VL040674.D
Acq: 7 Sep 2023 16:29

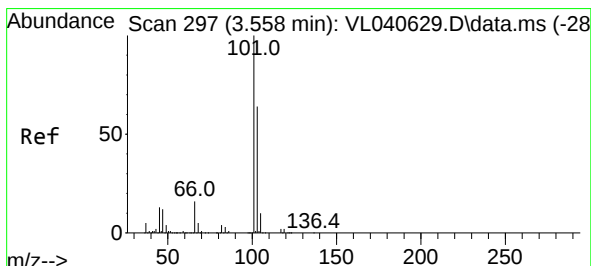
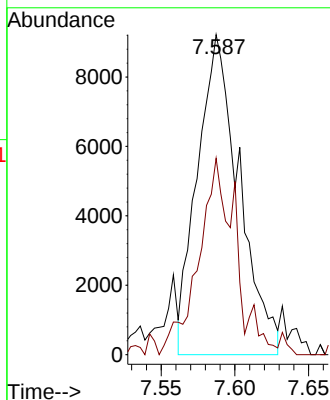
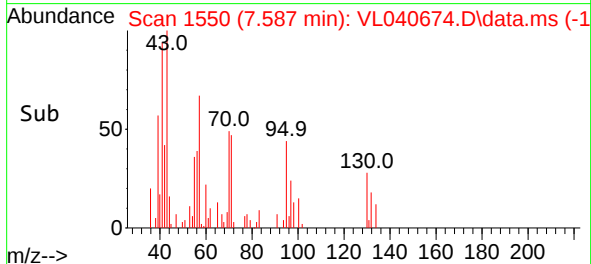
Instrument :
MSVOA_L
ClientSampleId :
SV1



Tgt Ion: 43 Resp: 1814
Ion Ratio Lower Upper
43 100
57 56.7 42.5 63.7

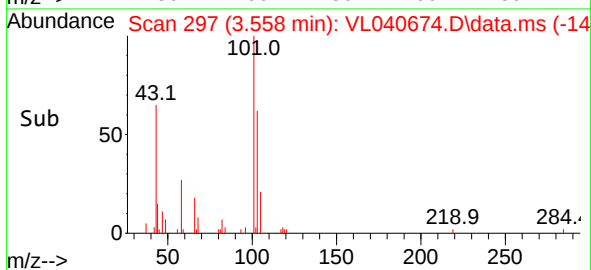
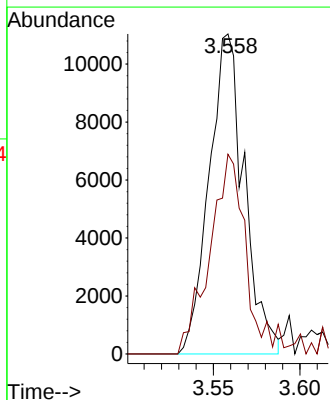
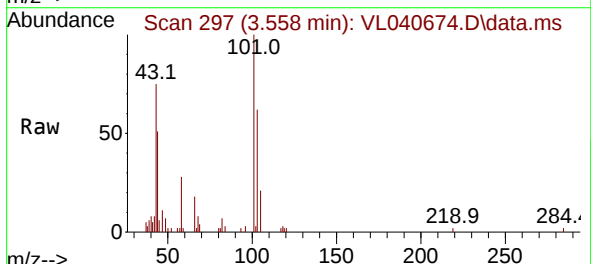
Manual Integrations
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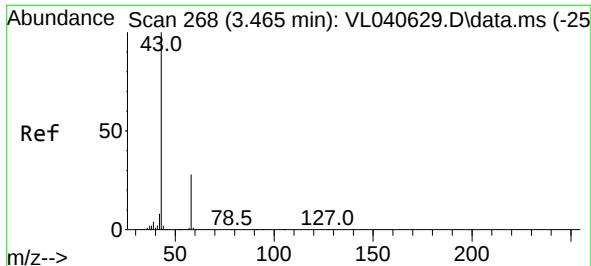
Reviewed By :Semsettin Yesilyurt 09/11/2023
Supervised By :Mahesh Dadoda 09/11/2023



#11
Trichlorofluoromethane
Concen: 0.095 ppbv
RT: 3.558 min Scan# 297
Delta R.T. -0.000 min
Lab File: VL040674.D
Acq: 7 Sep 2023 16:29

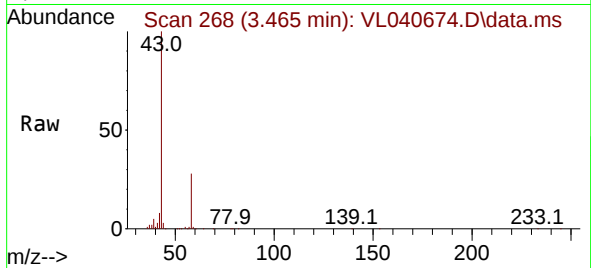
Tgt Ion:101 Resp: 15579
Ion Ratio Lower Upper
101 100
103 62.4 51.1 76.7





#15
Acetone
Concen: 7.753 ppbv
RT: 3.465 min Scan# 20
Delta R.T. 0.000 min
Lab File: VL040674.D
Acq: 7 Sep 2023 16:29

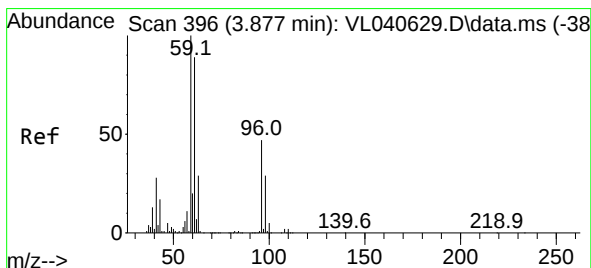
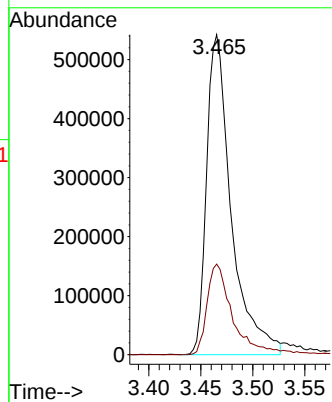
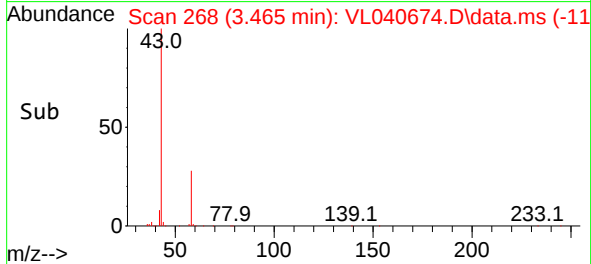
Instrument :
MSVOA_L
ClientSampleId :
SV1



Tgt Ion: 43 Resp: 893008
Ion Ratio Lower Upper
43 100
58 30.3 22.4 33.6

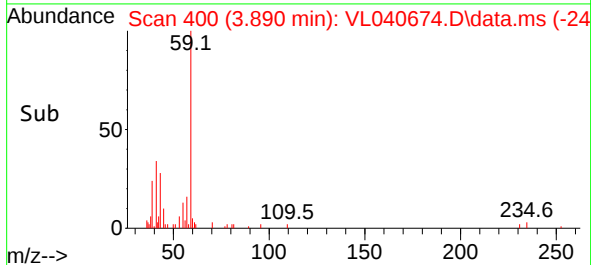
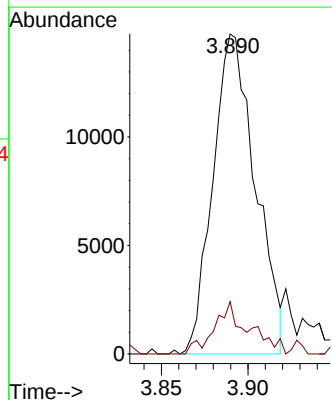
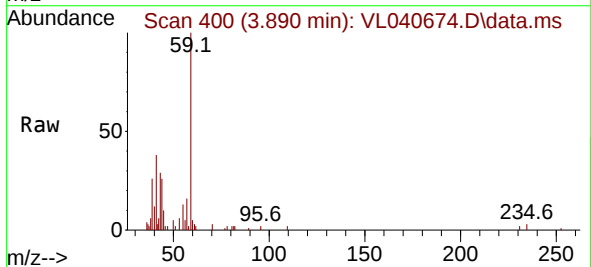
Manual Integrations
APPROVED

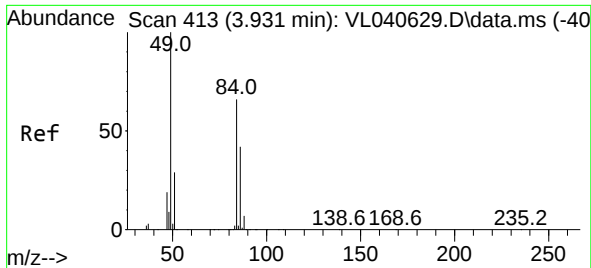
Reviewed By :Semsettin Yesilyurt 09/11/2023
Supervised By :Mahesh Dadoda 09/11/2023



#17
tert-Butyl alcohol
Concen: 0.206 ppbv
RT: 3.890 min Scan# 400
Delta R.T. 0.013 min
Lab File: VL040674.D
Acq: 7 Sep 2023 16:29

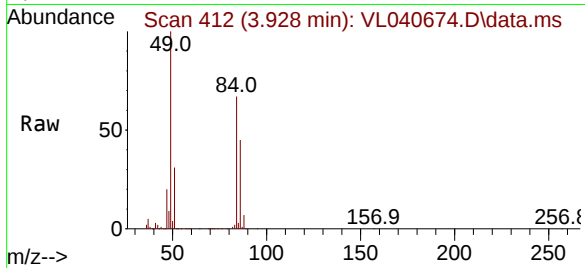
Tgt Ion: 59 Resp: 25152
Ion Ratio Lower Upper
59 100
57 14.2 8.4 12.6#





#20
Methylene Chloride
Concen: 9.021 ppbv
RT: 3.928 min Scan# 413
Delta R.T. -0.003 min
Lab File: VL040674.D
Acq: 7 Sep 2023 16:29

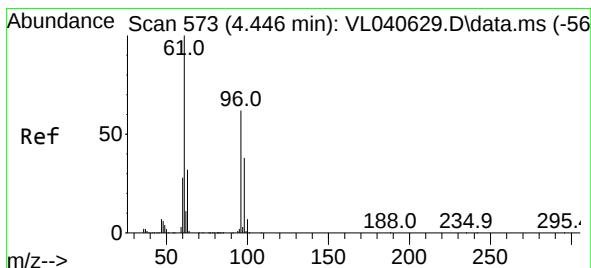
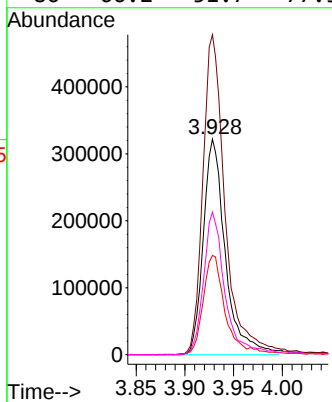
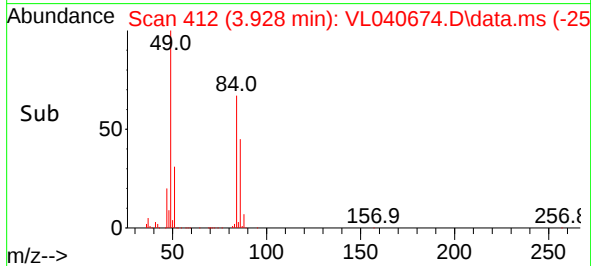
Instrument :
MSVOA_L
ClientSampleId :
SV1



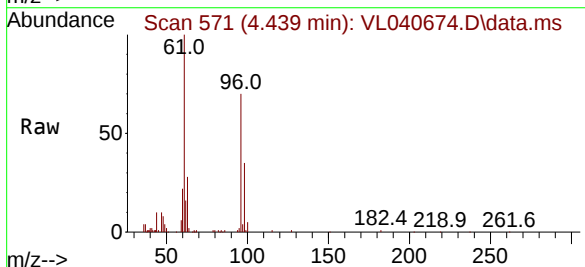
Tgt Ion: 84 Resp: 50776
Ion Ratio Lower Upper
84 100
49 148.2 122.1 183.1
51 46.0 35.4 53.2
86 66.2 51.7 77.5

Manual Integrations
APPROVED

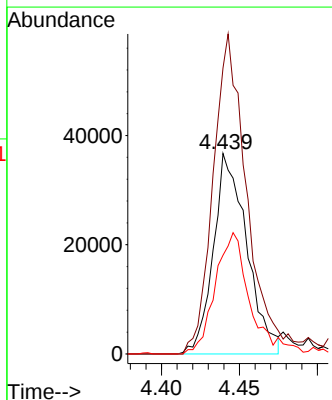
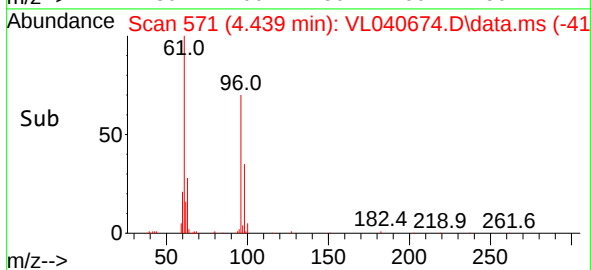
Reviewed By :Semsettin Yesilyurt 09/11/2023
Supervised By :Mahesh Dadoda 09/11/2023

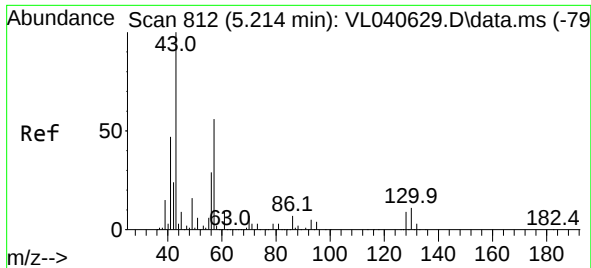


#22
trans-1,2-Dichloroethene
Concen: 1.011 ppbv
RT: 4.439 min Scan# 571
Delta R.T. -0.006 min
Lab File: VL040674.D
Acq: 7 Sep 2023 16:29



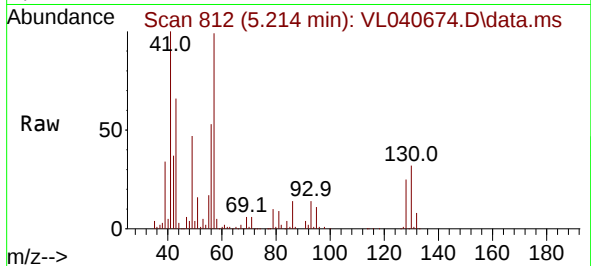
Tgt Ion: 96 Resp: 54675
Ion Ratio Lower Upper
96 100
61 142.6 128.1 192.1
98 49.2 48.1 72.1





#26
Hexane
Concen: 3.916 ppbv
RT: 5.214 min Scan# 812
Delta R.T. -0.000 min
Lab File: VL040674.D
Acq: 7 Sep 2023 16:29

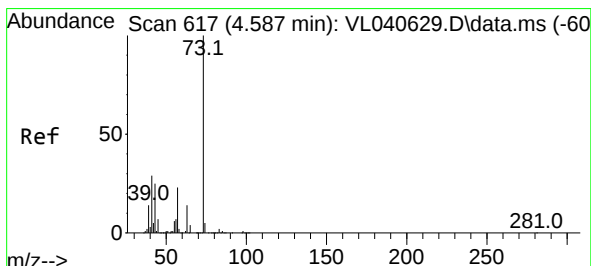
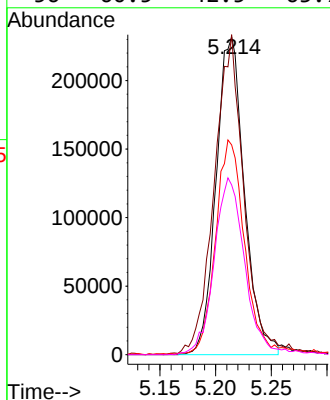
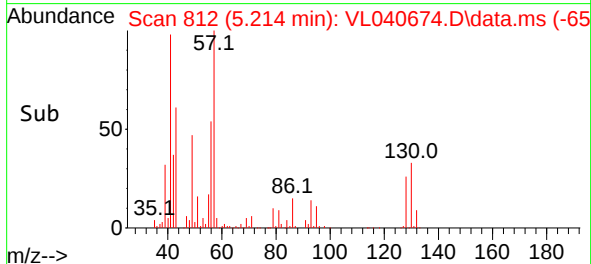
Instrument :
MSVOA_L
ClientSampleId :
SV1



Tgt Ion: 57 Resp: 40986
Ion Ratio Lower Upper
57 100
41 106.7 69.3 103.9
43 71.5 177.9 266.9
56 60.5 42.5 63.7

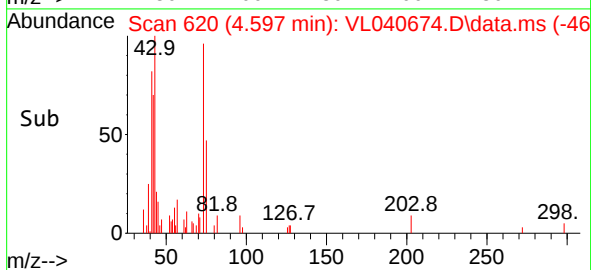
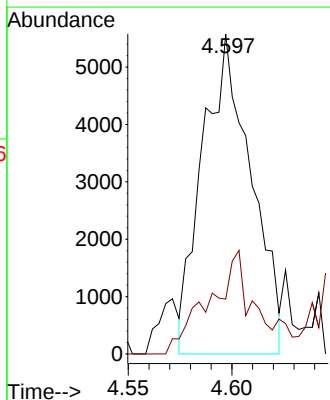
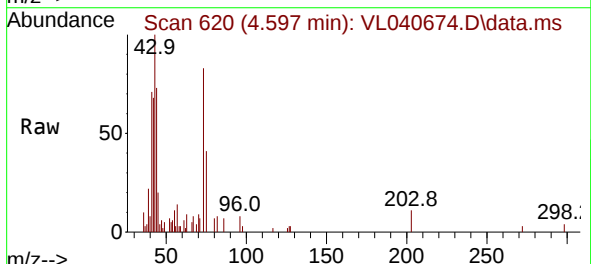
Manual Integrations
APPROVED

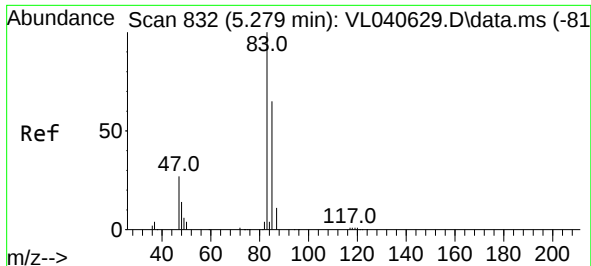
Reviewed By :Semsettin Yesilyurt 09/11/2023
Supervised By :Mahesh Dadoda 09/11/2023



#28
Methyl tert-Butyl Ether
Concen: 0.112 ppbv m
RT: 4.597 min Scan# 620
Delta R.T. 0.010 min
Lab File: VL040674.D
Acq: 7 Sep 2023 16:29

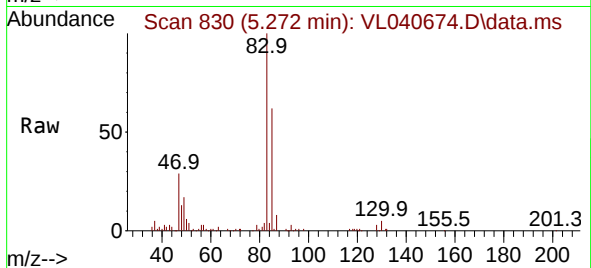
Tgt Ion: 73 Resp: 9082
Ion Ratio Lower Upper
73 100
57 0.0 18.9 28.3#





#29
Chloroform
Concen: 1.102 ppbv
RT: 5.272 min Scan# 81
Delta R.T. -0.006 min
Lab File: VL040674.D
Acq: 7 Sep 2023 16:29

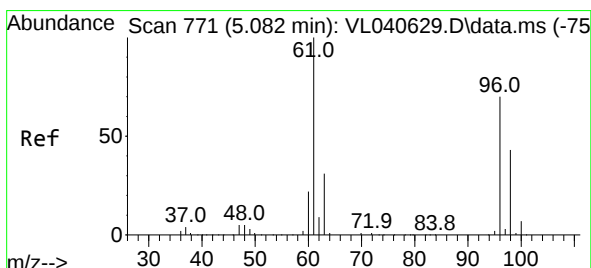
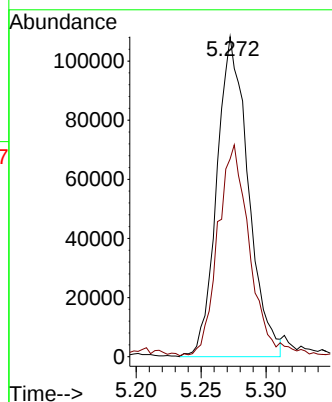
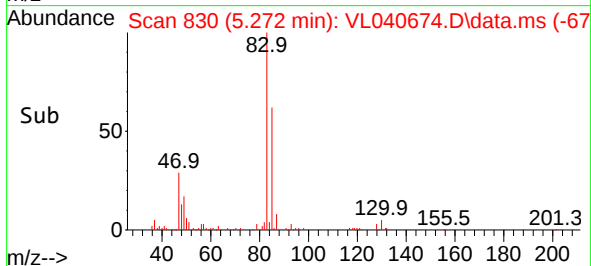
Instrument :
MSVOA_L
ClientSampleId :
SV1



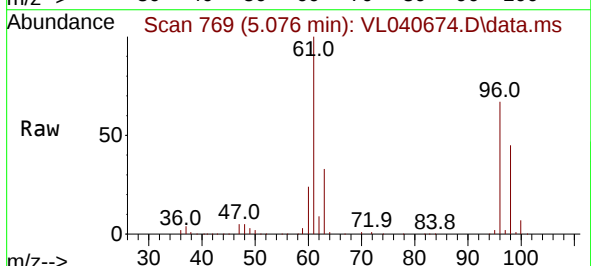
Tgt Ion: 83 Resp: 182594
Ion Ratio Lower Upper
83 100
85 61.5 52.2 78.2

Manual Integrations
APPROVED

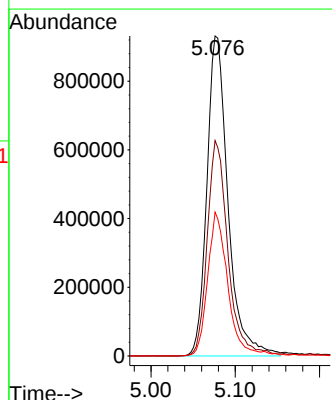
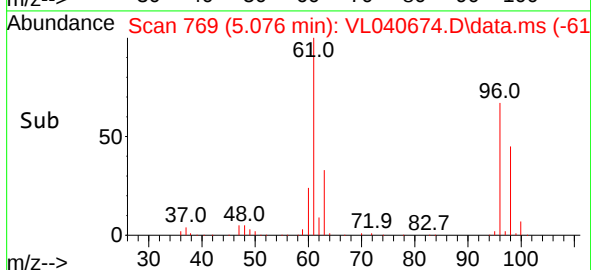
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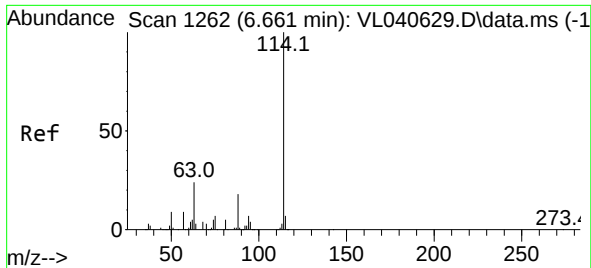


#31
cis-1,2-Dichloroethene
Concen: 17.211 ppbv
RT: 5.076 min Scan# 769
Delta R.T. -0.006 min
Lab File: VL040674.D
Acq: 7 Sep 2023 16:29



Tgt Ion: 61 Resp: 1625689
Ion Ratio Lower Upper
61 100
96 67.3 55.8 83.6
98 44.9 34.8 52.2





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.658 min Scan# 114

Delta R.T. -0.003 min

Lab File: VL040674.D

Acq: 7 Sep 2023 16:29

Instrument :

MSVOA_L

ClientSampleId :

SV1

Tgt Ion:114 Resp: 2463000

Ion Ratio Lower Upper

114 100

63 25.8 20.2 30.2

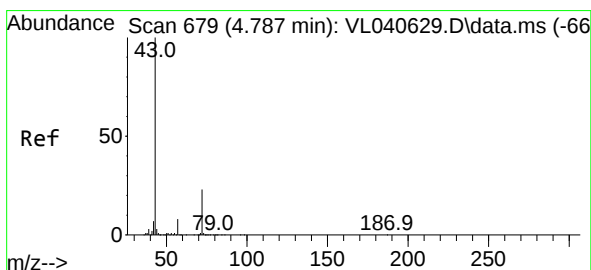
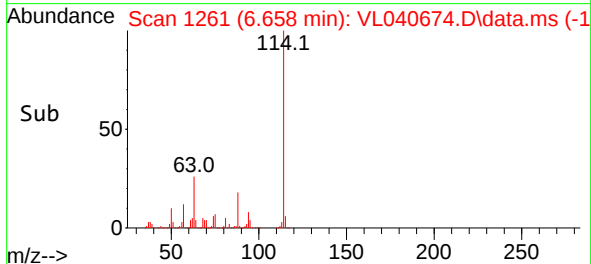
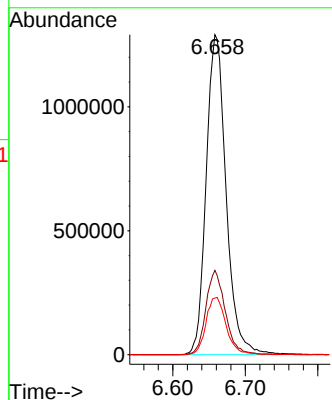
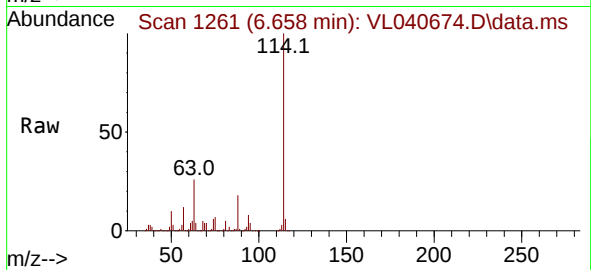
88 18.2 14.1 21.1

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 09/11/2023

Supervised By :Mahesh Dadoda 09/11/2023



#34

2-Butanone

Concen: 0.712 ppbv

RT: 4.800 min Scan# 683

Delta R.T. 0.013 min

Lab File: VL040674.D

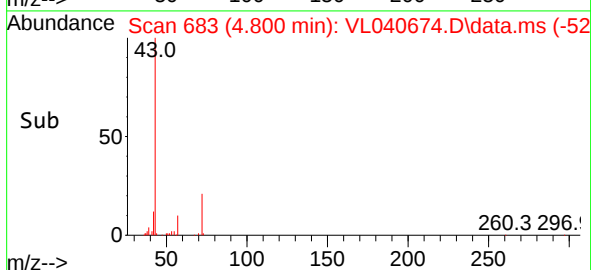
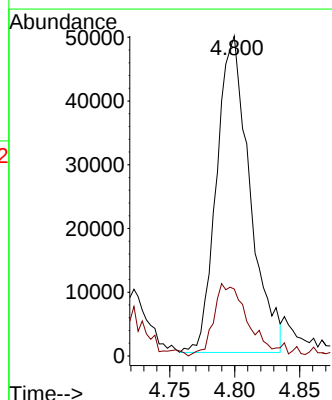
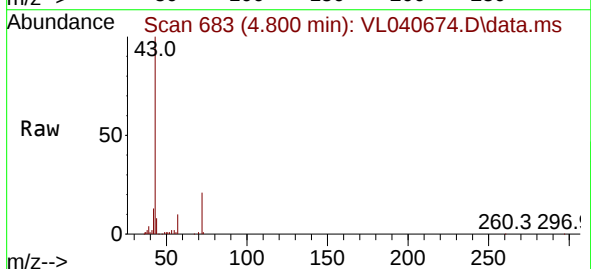
Acq: 7 Sep 2023 16:29

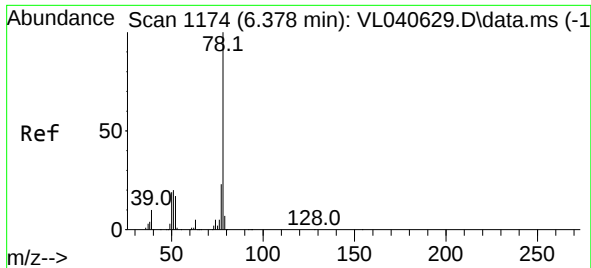
Tgt Ion: 43 Resp: 88477

Ion Ratio Lower Upper

43 100

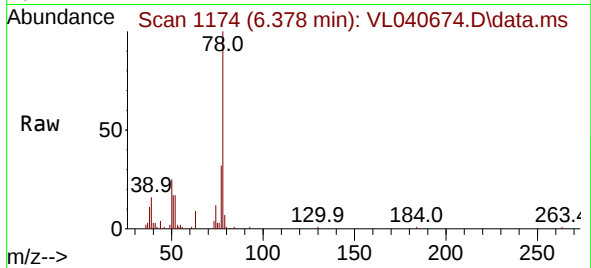
72 25.4 19.2 28.8





#36
Benzene
Concen: 0.185 ppbv
RT: 6.378 min Scan# 1174
Delta R.T. 0.000 min
Lab File: VL040674.D
Acq: 7 Sep 2023 16:29

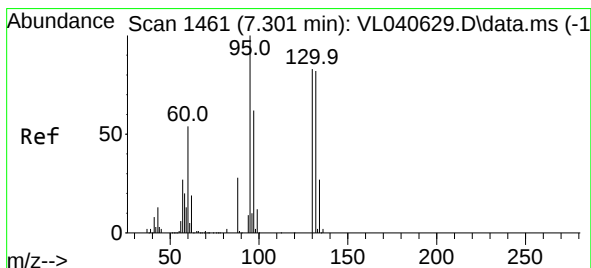
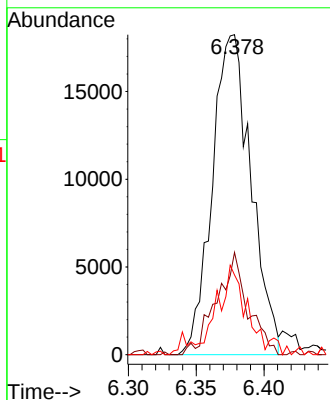
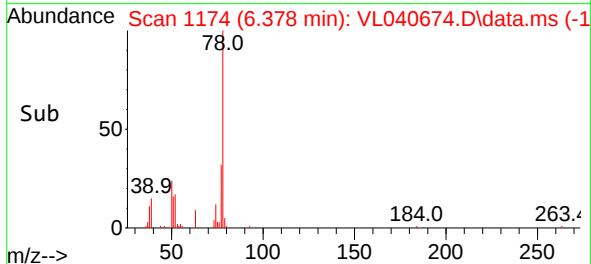
Instrument :
MSVOA_L
ClientSampleId :
SV1



Tgt Ion: 78 Resp: 36330
Ion Ratio Lower Upper
78 100
77 32.0 18.2 27.2
50 23.4 15.0 22.6

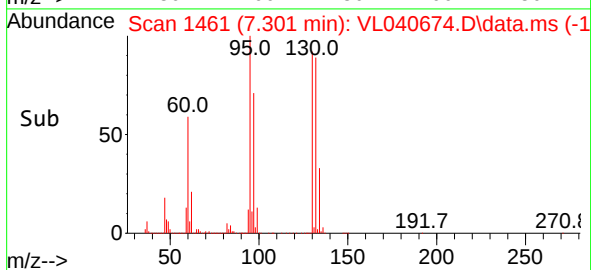
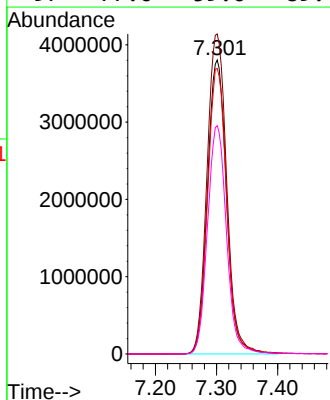
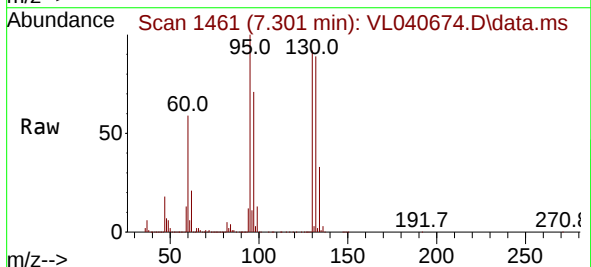
Manual Integrations
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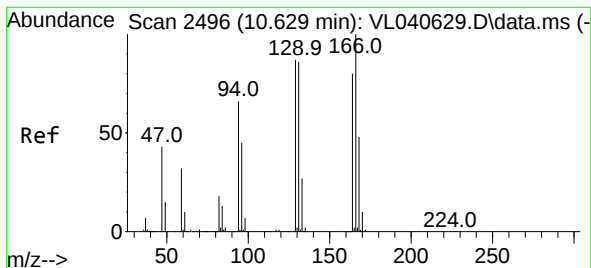
Reviewed By :Semsettin Yesilyurt 09/11/2023
Supervised By :Mahesh Dadoda 09/11/2023



#38
Trichloroethene
Concen: 108.635 ppbv
RT: 7.301 min Scan# 1461
Delta R.T. -0.000 min
Lab File: VL040674.D
Acq: 7 Sep 2023 16:29

Tgt Ion:130 Resp: 8242296
Ion Ratio Lower Upper
130 100
95 108.9 95.9 143.9
132 97.0 79.0 118.4
97 77.6 59.6 89.4





#52

Tetrachloroethene

Concen: 868.164 ppbv

RT: 10.725 min Scan# 2496

Delta R.T. 0.096 min

Lab File: VL040674.D

Acq: 7 Sep 2023 16:29

Instrument :

MSVOA_L

ClientSampleId :

SV1

Tgt Ion:164 Resp:53274678

Ion Ratio Lower Upper

164 100

166 107.1 99.5 149.3

129 98.3 86.9 130.3

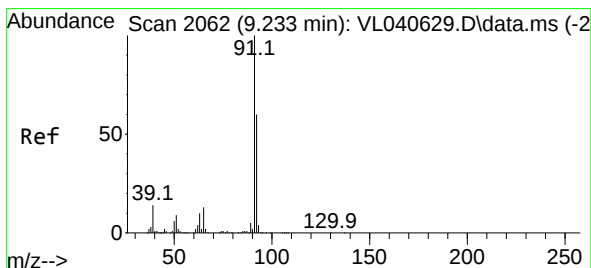
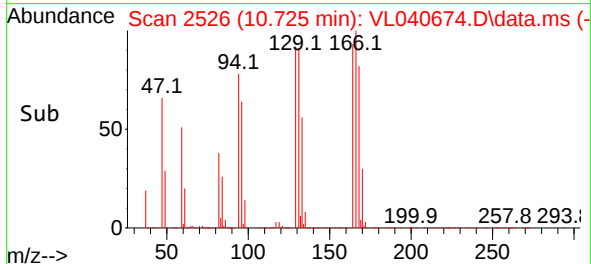
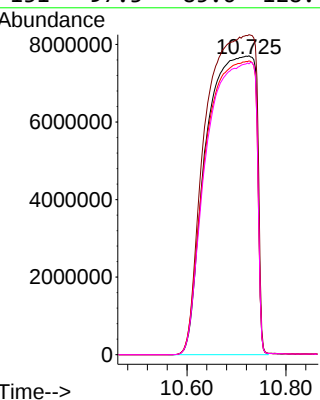
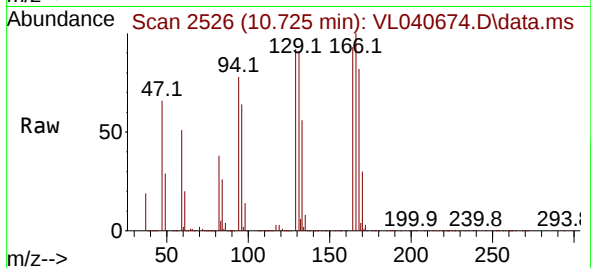
131 97.3 85.6 128.4

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 09/11/2023

Supervised By :Mahesh Dadoda 09/11/2023



#53

Toluene

Concen: 0.261 ppbv m

RT: 9.237 min Scan# 2063

Delta R.T. 0.003 min

Lab File: VL040674.D

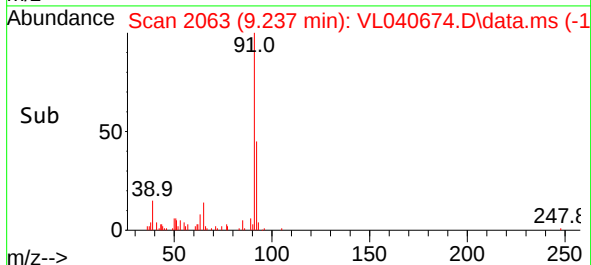
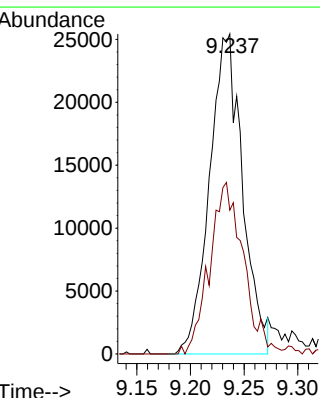
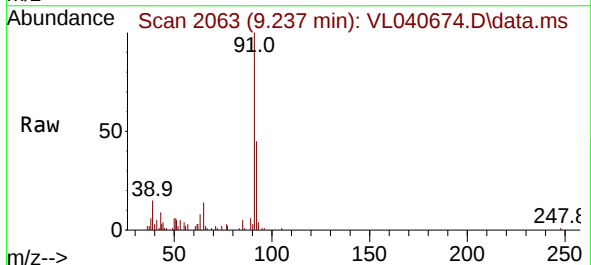
Acq: 7 Sep 2023 16:29

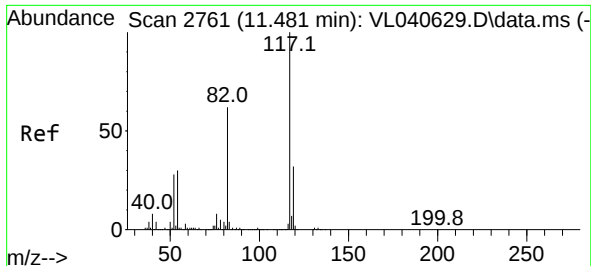
Tgt Ion: 91 Resp: 54368

Ion Ratio Lower Upper

91 100

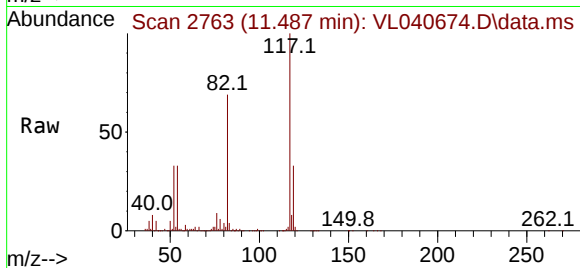
92 56.1 48.0 72.0





#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.487 min Scan# 21
Delta R.T. 0.006 min
Lab File: VL040674.D
Acq: 7 Sep 2023 16:29

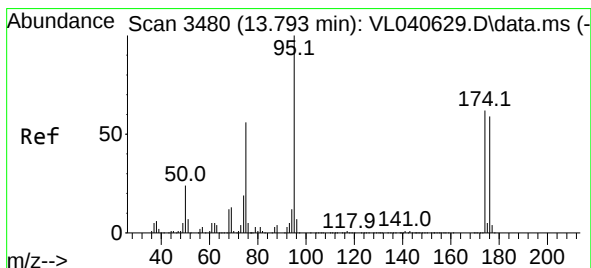
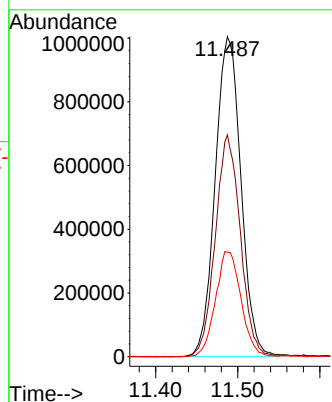
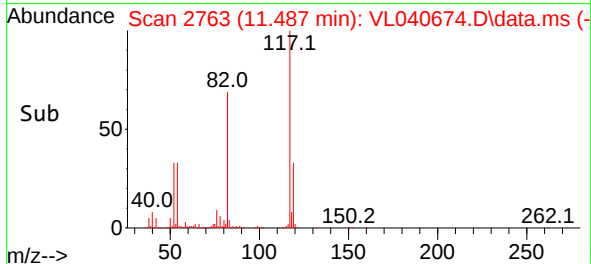
Instrument :
MSVOA_L
ClientSampleId :
SV1



Tgt Ion: 117 Resp: 2194040
Ion Ratio Lower Upper
117 100
82 67.7 49.5 74.3
119 32.7 24.5 36.7

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 09/11/2023
Supervised By :Mahesh Dadoda 09/11/2023



#68
1-Bromo-4-Fluorobenzene
Concen: 10.882 ppbv
RT: 13.793 min Scan# 3480
Delta R.T. -0.000 min
Lab File: VL040674.D
Acq: 7 Sep 2023 16:29

Tgt Ion: 95 Resp: 1898878
Ion Ratio Lower Upper
95 100
174 61.2 49.1 73.7
175 4.4 3.7 5.5

