

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL121322\
 Data File : VL040017.D
 Acq On : 13 Dec 2022 22:51
 Operator : SY/MD
 Sample : N5971-02
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SS-5

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 12/14/2022
 Supervised By : Mahesh Dadoda 12/14/2022

Quant Time: Dec 14 03:59:18 2022

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL111822AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 12 2022

QLast Update : Fri Dec 02 23:21:36 2022

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.179	49	955038	10.000	ppbv	0.02
33) 1,4-Difluorobenzene	6.642	114	2595445	10.000	ppbv	0.02
55) Chlorobenzene-d5	11.455	117	2449205	10.000	ppbv	0.02
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.767	95	1866125	9.975	ppbv	0.03
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.800%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.716	85	38109	0.279	ppbv	91
3) Chlorodifluoromethane	2.661	51	70259	0.533	ppbv #	91
4) Chloromethane	2.787	50	120548m	1.431	ppbv	
6) Bromomethane	3.105	94	6304	0.281	ppbv	88
9) Propene	2.684	41	484955	7.812	ppbv	84
11) Trichlorofluoromethane	3.549	101	35584	0.213	ppbv	93
13) Ethanol	3.237	45	12952925	2732.941	ppbv	92
15) Acetone	3.449	43	5843852	46.133	ppbv	100
20) Methylene Chloride	3.918	84	342237	5.576	ppbv	96
26) Hexane	5.201	57	372678	3.668	ppbv #	47
30) Cyclohexane	6.594	84	65286	0.655	ppbv	87
35) Carbon Tetrachloride	6.478	117	9261m	0.063	ppbv	
36) Benzene	6.356	78	167768	0.760	ppbv #	92
52) Tetrachloroethene	10.600	164	3033m	0.037	ppbv	
53) Toluene	9.211	91	376581	1.498	ppbv	98
59) m/p-Xylene	12.343	91	306728m	1.103	ppbv	
60) o-Xylene	13.047	91	107911m	0.407	ppbv	
61) Styrene	12.886	104	114723	0.725	ppbv	98
74) 1,2,4-Trimethylbenzene	16.101	105	62899	0.218	ppbv #	75

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

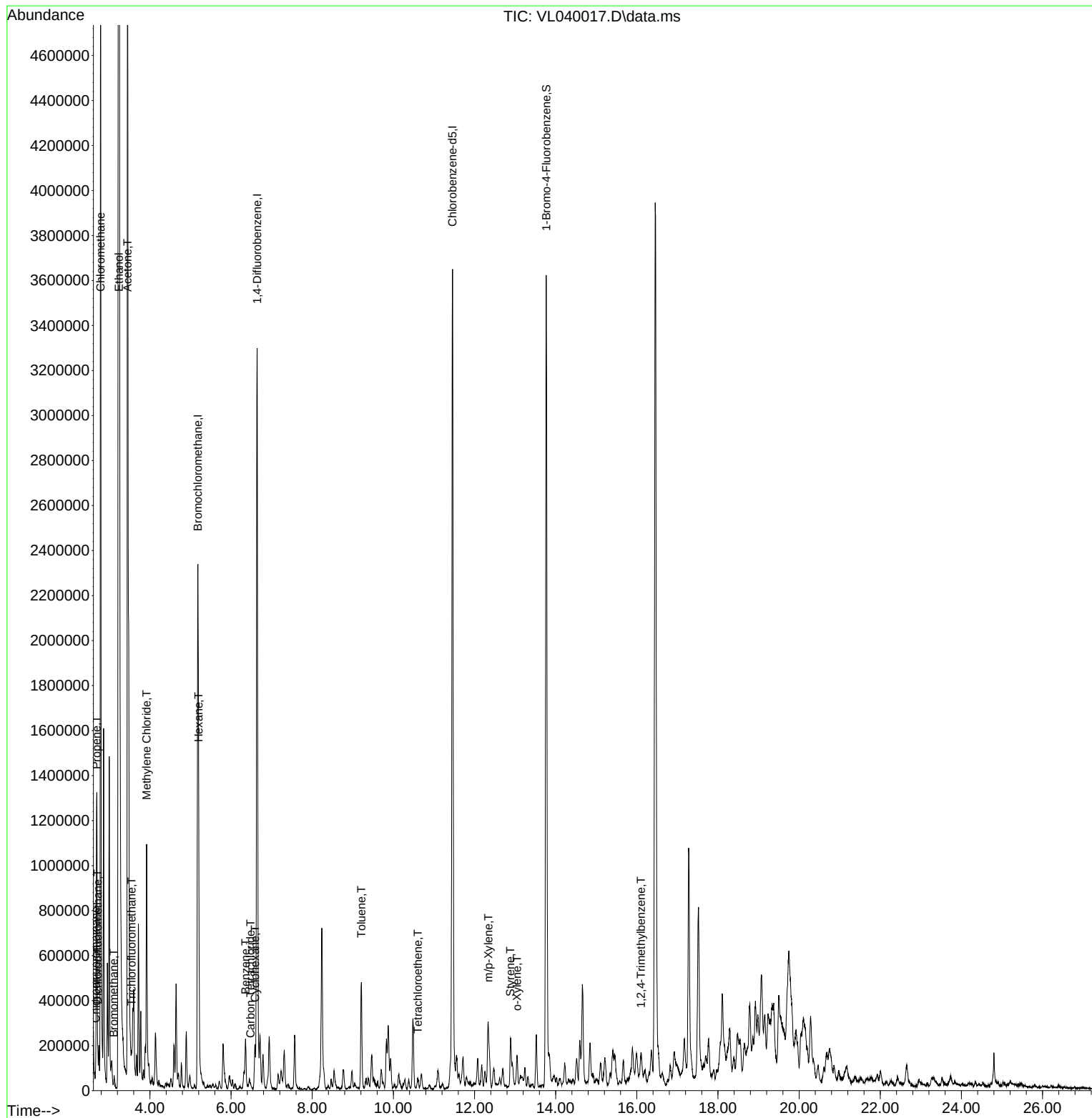
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL121322\
Data File : VL040017.D
Acq On : 13 Dec 2022 22:51
Operator : SY/MD
Sample : N5971-02
Misc : 400mL/MSVOA_L
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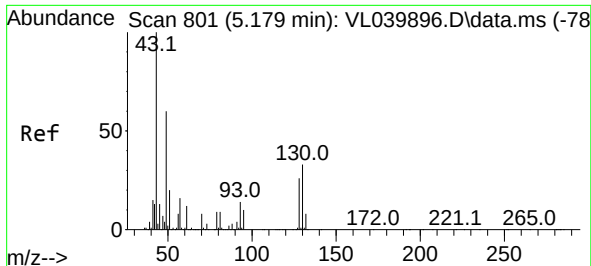
Instrument :
MSVOA_L
ClientSampleId :
SS-5

Quant Time: Dec 14 03:59:18 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL11822AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug
QLast Update : Fri Dec 02 23:21:36 2022
Response via : Initial Calibration

Manual Integrations
APPROVED

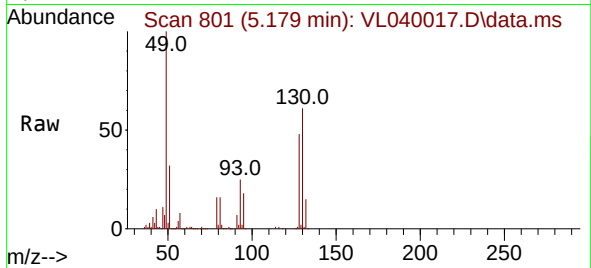
Reviewed By : Semsettin Yesilyurt 12/14/2022
Supervised By : Mahesh Dadoda 12/14/2022





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.179 min Scan# 80
Delta R.T. 0.023 min
Lab File: VL040017.D
Acq: 13 Dec 2022 22:51

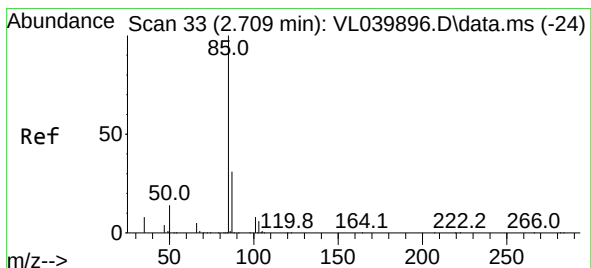
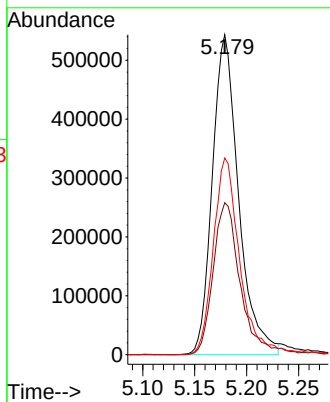
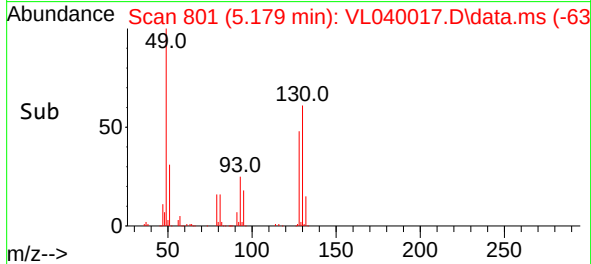
Instrument :
MSVOA_L
ClientSampleId :
SS-5



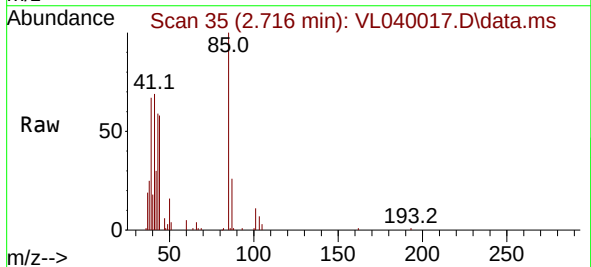
Tgt Ion: 49 Resp: 955038
Ion Ratio Lower Upper
49 100
128 49.9 22.1 66.3
130 63.6 27.7 83.1

Manual Integrations
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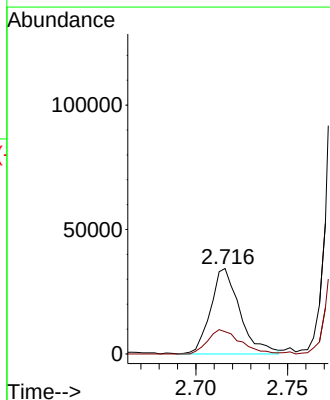
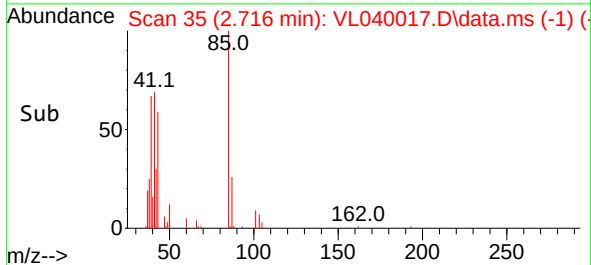
Reviewed By :Semsettin Yesilyurt 12/14/2022
Supervised By :Mahesh Dadoda 12/14/2022

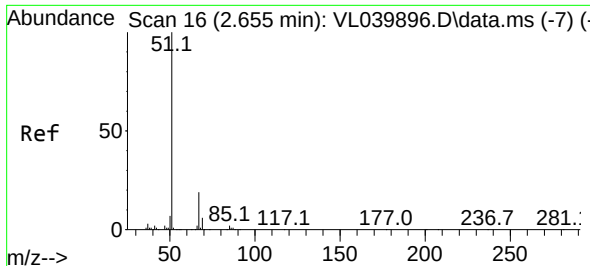


#2
Dichlorodifluoromethane
Concen: 0.279 ppbv
RT: 2.716 min Scan# 35
Delta R.T. 0.019 min
Lab File: VL040017.D
Acq: 13 Dec 2022 22:51



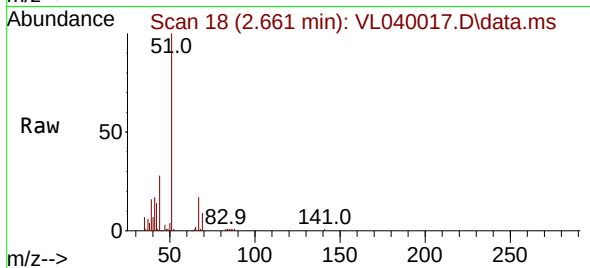
Tgt Ion: 85 Resp: 38109
Ion Ratio Lower Upper
85 100
87 26.0 25.0 37.4





#3
Chlorodifluoromethane
Concen: 0.533 ppbv
RT: 2.661 min Scan# 16
Delta R.T. 0.019 min
Lab File: VL040017.D
Acq: 13 Dec 2022 22:51

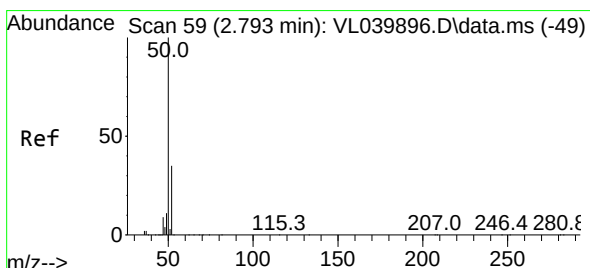
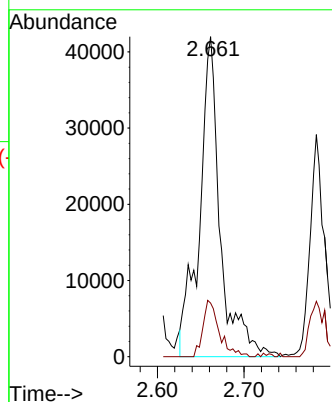
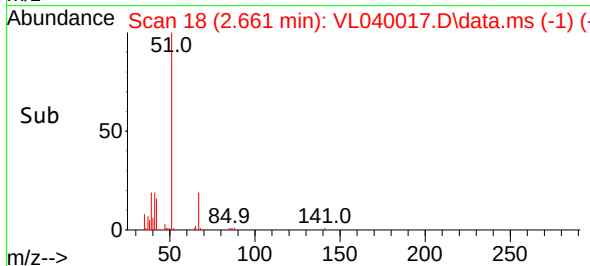
Instrument :
MSVOA_L
ClientSampleId :
SS-5



Tgt Ion: 51 Resp: 70259
Ion Ratio Lower Upper
51 100
67 13.7 14.2 21.4

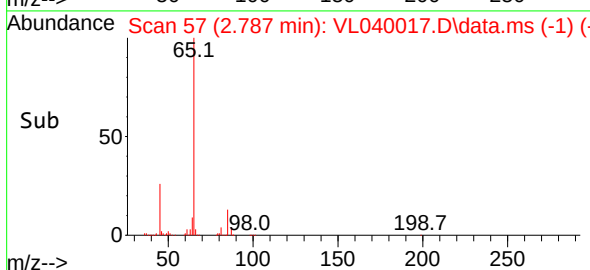
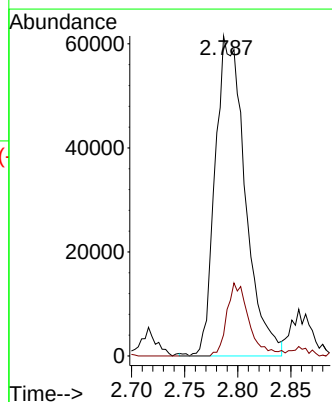
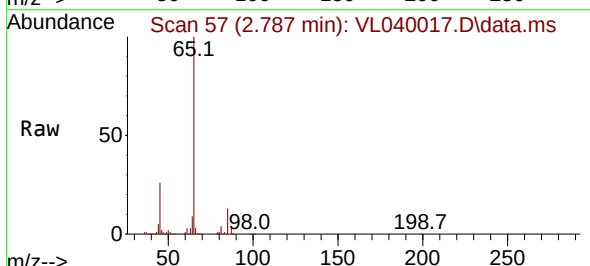
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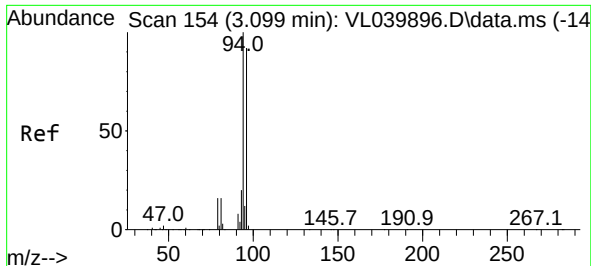
Reviewed By :Semsettin Yesilyurt 12/14/2022
Supervised By :Mahesh Dadoda 12/14/2022



#4
Chloromethane
Concen: 1.431 ppbv m
RT: 2.787 min Scan# 57
Delta R.T. 0.006 min
Lab File: VL040017.D
Acq: 13 Dec 2022 22:51

Tgt Ion: 50 Resp: 120548
Ion Ratio Lower Upper
50 100
52 6.6 27.8 41.8





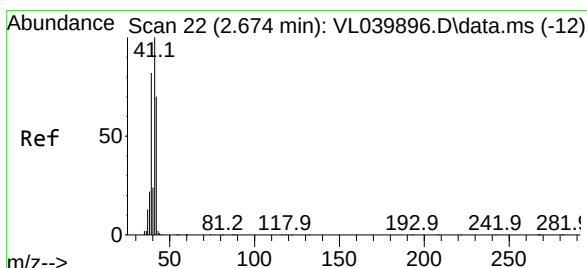
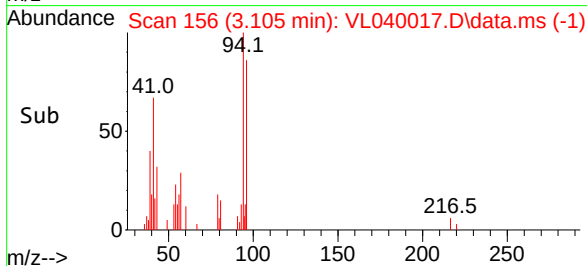
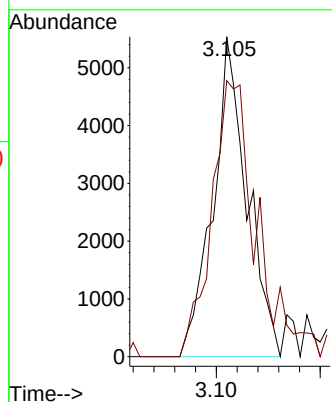
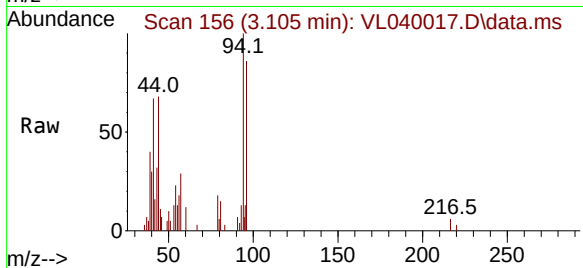
#6
Bromomethane
Concen: 0.281 ppbv
RT: 3.105 min Scan# 11
Delta R.T. 0.019 min
Lab File: VL040017.D
Acq: 13 Dec 2022 22:51

Instrument :
MSVOA_L
ClientSampleId :
SS-5

Tgt Ion: 94 Resp: 6304
Ion Ratio Lower Upper
94 100
96 80.4 73.7 110.5

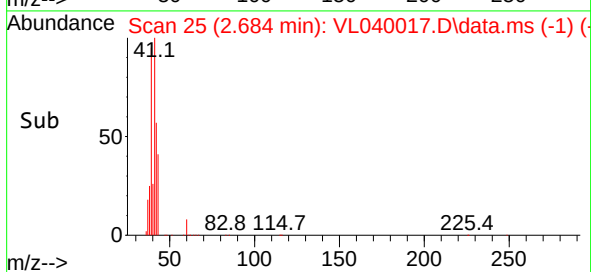
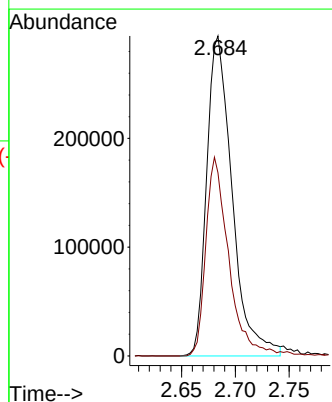
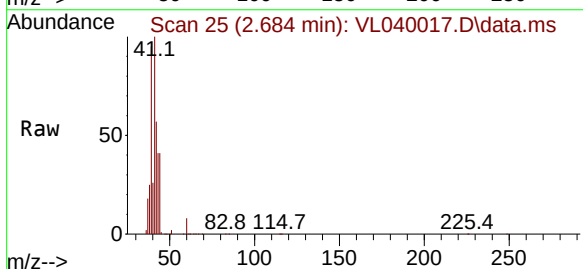
Manual Integrations
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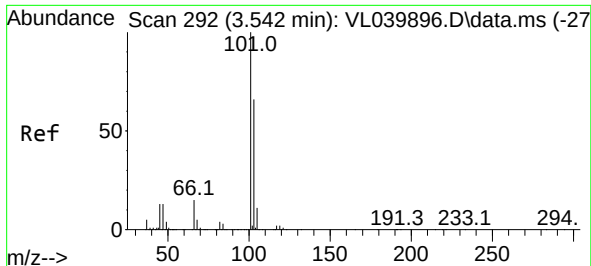
Reviewed By :Semsettin Yesilyurt 12/14/2022
Supervised By :Mahesh Dadoda 12/14/2022



#9
Propene
Concen: 7.812 ppbv
RT: 2.684 min Scan# 25
Delta R.T. 0.023 min
Lab File: VL040017.D
Acq: 13 Dec 2022 22:51

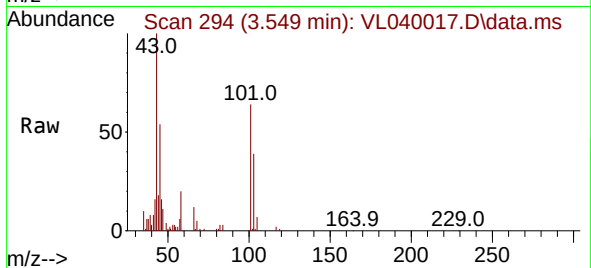
Tgt Ion: 41 Resp: 484955
Ion Ratio Lower Upper
41 100
42 57.0 55.8 83.6





#11
Trichlorofluoromethane
Concen: 0.213 ppbv
RT: 3.549 min Scan# 292
Delta R.T. 0.019 min
Lab File: VL040017.D
Acq: 13 Dec 2022 22:51

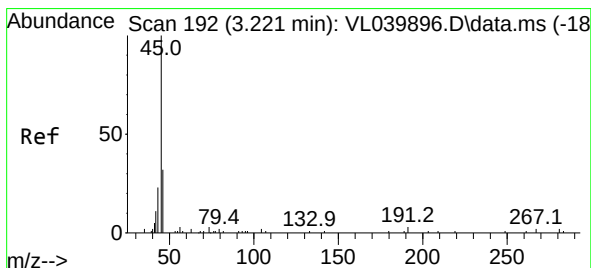
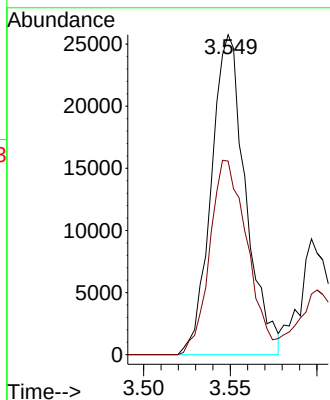
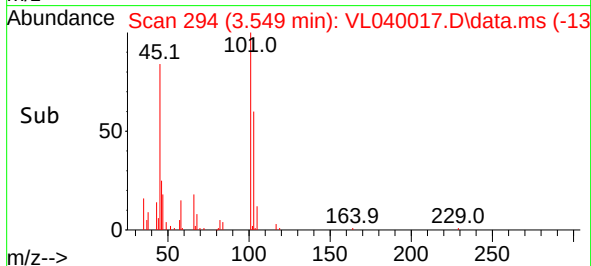
Instrument :
MSVOA_L
ClientSampleId :
SS-5



Tgt Ion:101 Resp: 35584
Ion Ratio Lower Upper
101 100
103 60.5 52.6 78.8

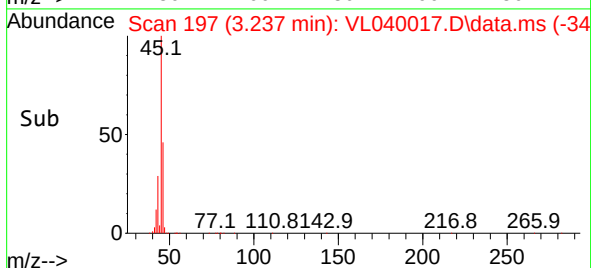
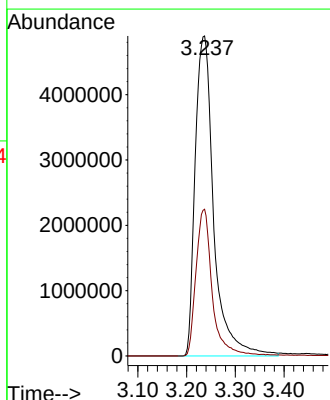
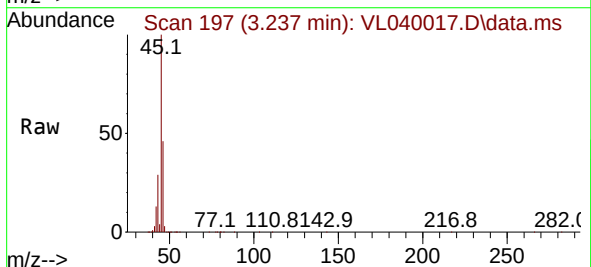
Manual Integrations
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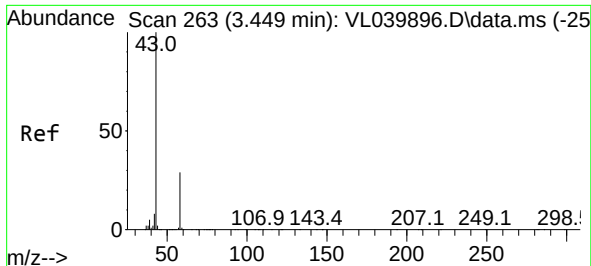
Reviewed By :Semsettin Yesilyurt 12/14/2022
Supervised By :Mahesh Dadoda 12/14/2022



#13
Ethanol
Concen: 2732.941 ppbv
RT: 3.237 min Scan# 197
Delta R.T. 0.023 min
Lab File: VL040017.D
Acq: 13 Dec 2022 22:51

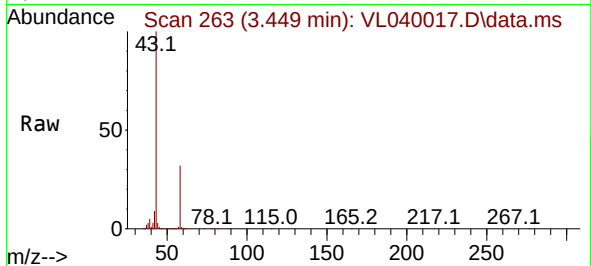
Tgt Ion: 45 Resp:12952925
Ion Ratio Lower Upper
45 100
46 40.9 14.6 58.2





#15
Acetone
Concen: 46.133 ppbv
RT: 3.449 min Scan# 20
Delta R.T. 0.016 min
Lab File: VL040017.D
Acq: 13 Dec 2022 22:51

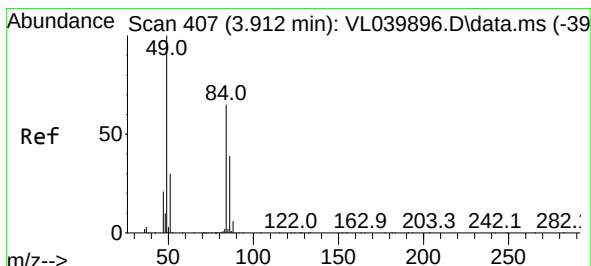
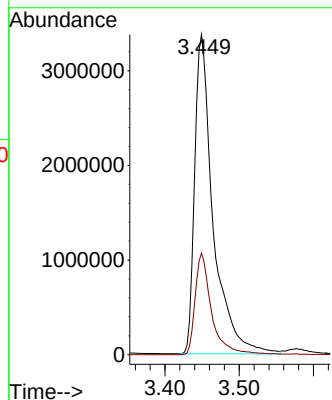
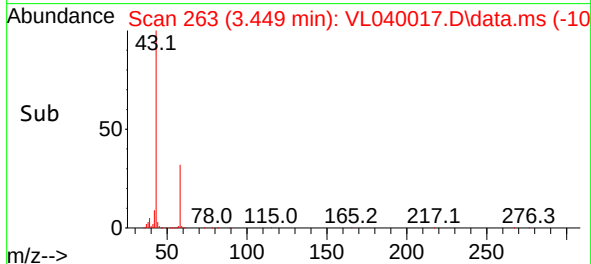
Instrument :
MSVOA_L
ClientSampleId :
SS-5



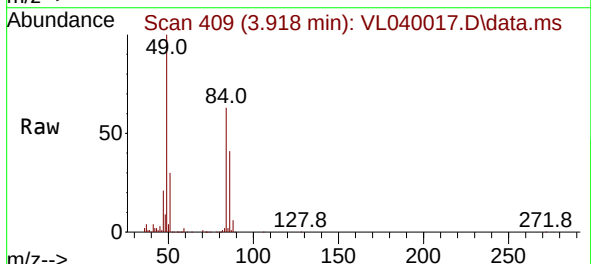
Tgt Ion: 43 Resp: 584385
Ion Ratio Lower Upper
43 100
58 28.8 22.9 34.3

Manual Integrations
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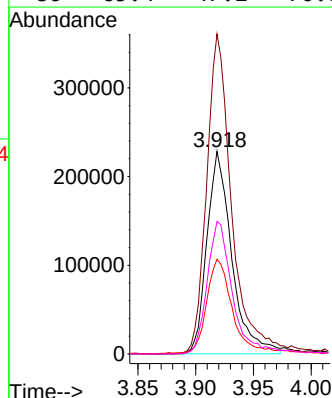
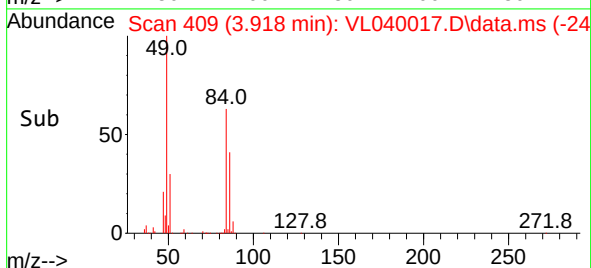
Reviewed By :Semsettin Yesilyurt 12/14/2022
Supervised By :Mahesh Dadoda 12/14/2022

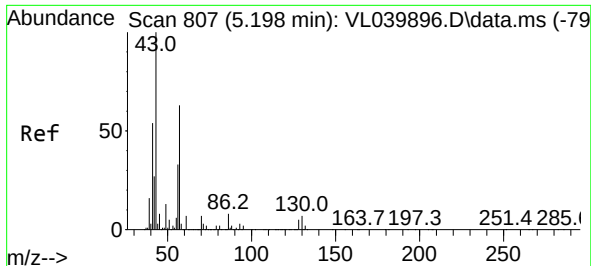


#20
Methylene Chloride
Concen: 5.576 ppbv
RT: 3.918 min Scan# 409
Delta R.T. 0.023 min
Lab File: VL040017.D
Acq: 13 Dec 2022 22:51



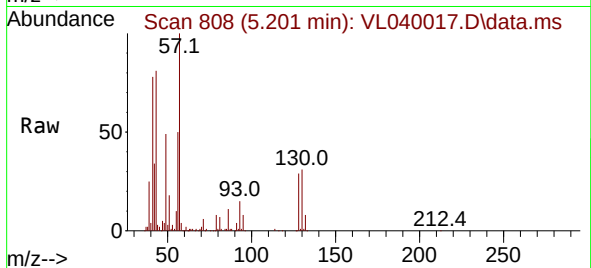
Tgt Ion: 84 Resp: 342237
Ion Ratio Lower Upper
84 100
49 157.8 122.2 183.4
51 46.2 36.3 54.5
86 65.4 47.2 70.8





#26
Hexane
Concen: 3.668 ppbv
RT: 5.201 min Scan# 807
Delta R.T. 0.026 min
Lab File: VL040017.D
Acq: 13 Dec 2022 22:51

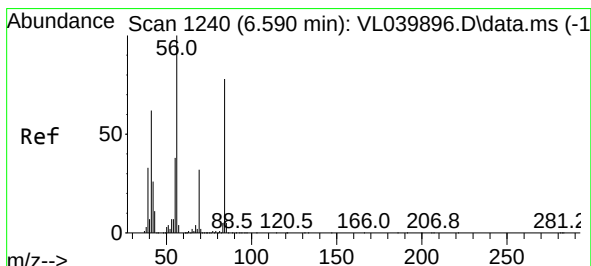
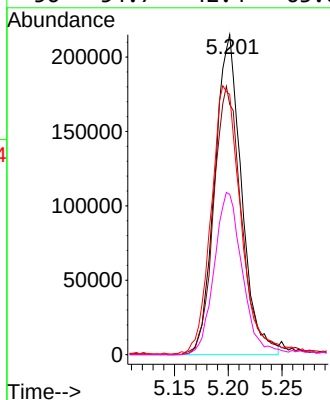
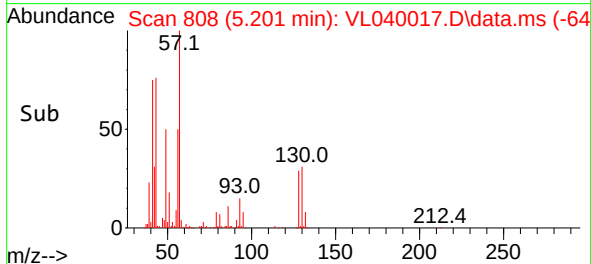
Instrument :
MSVOA_L
ClientSampleId :
SS-5



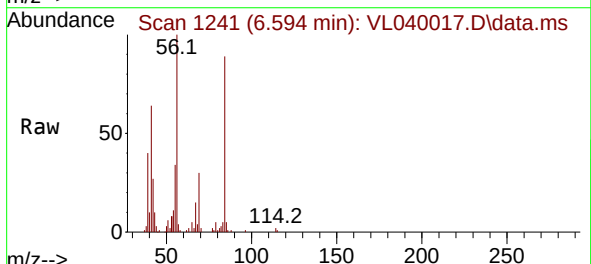
Tgt Ion: 57 Resp: 372678
Ion Ratio Lower Upper
57 100
41 89.6 72.3 108.5
43 94.3 188.7 283.1
56 54.7 42.4 63.6

Manual Integrations
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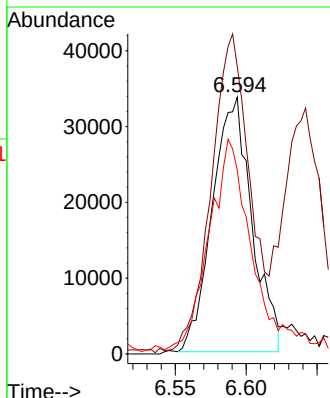
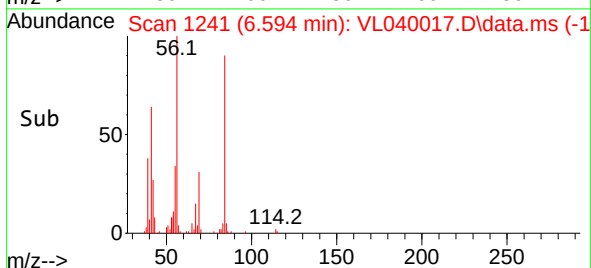
Reviewed By :Semsettin Yesilyurt 12/14/2022
Supervised By :Mahesh Dadoda 12/14/2022

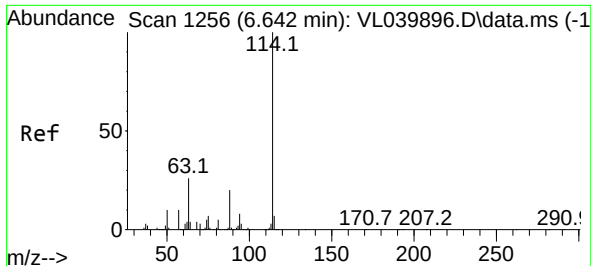


#30
Cyclohexane
Concen: 0.655 ppbv
RT: 6.594 min Scan# 1241
Delta R.T. 0.029 min
Lab File: VL040017.D
Acq: 13 Dec 2022 22:51



Tgt Ion: 84 Resp: 65286
Ion Ratio Lower Upper
84 100
56 121.5 112.5 168.7
41 93.2 67.8 101.8





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.642 min Scan# 1

Delta R.T. 0.023 min

Lab File: VL040017.D

Acq: 13 Dec 2022 22:51

Instrument :

MSVOA_L

ClientSampleId :

SS-5

Tgt Ion:114 Resp: 259544

Ion Ratio Lower Upper

114 100

63 24.2 21.4 32.0

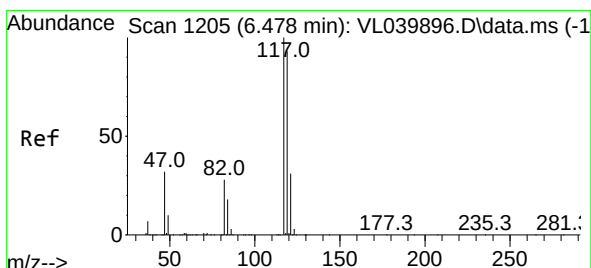
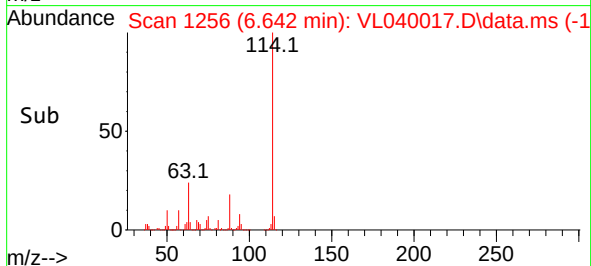
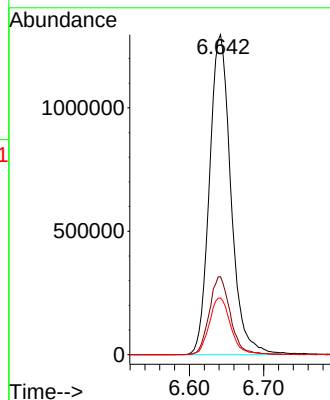
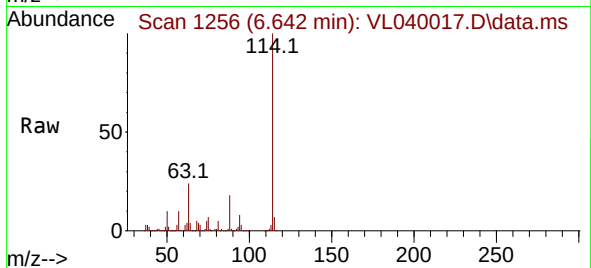
88 17.9 15.3 22.9

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 12/14/2022

Supervised By :Mahesh Dadoda 12/14/2022



#35

Carbon Tetrachloride

Concen: 0.063 ppbv m

RT: 6.478 min Scan# 1205

Delta R.T. 0.023 min

Lab File: VL040017.D

Acq: 13 Dec 2022 22:51

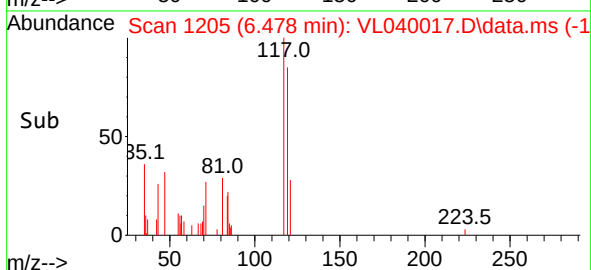
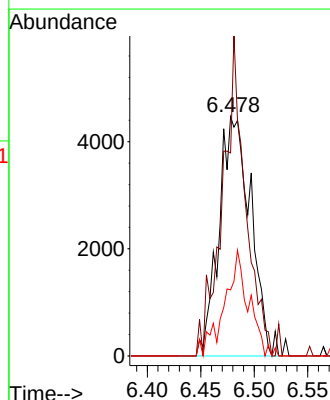
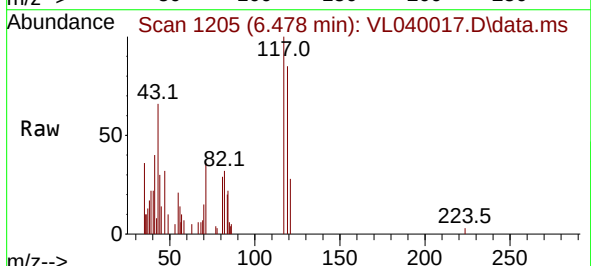
Tgt Ion:117 Resp: 9261

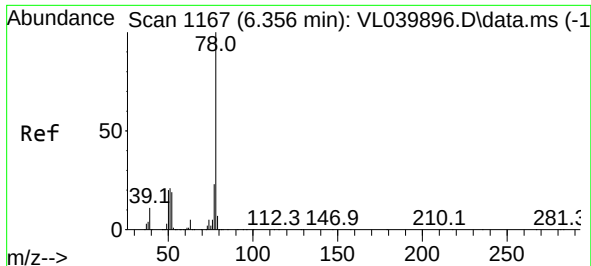
Ion Ratio Lower Upper

117 100

119 84.8 74.7 112.1

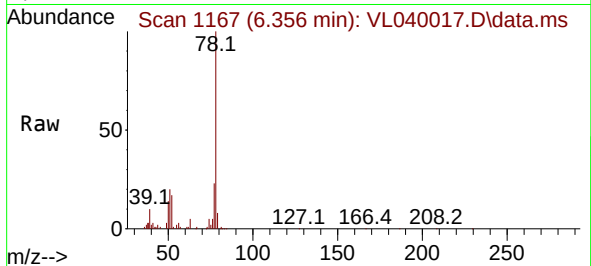
121 27.6 24.5 36.7





#36
Benzene
Concen: 0.760 ppbv
RT: 6.356 min Scan# 1167
Delta R.T. 0.023 min
Lab File: VL040017.D
Acq: 13 Dec 2022 22:51

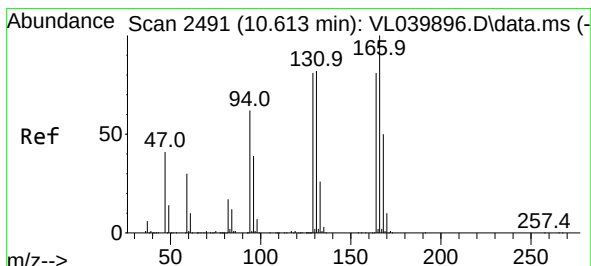
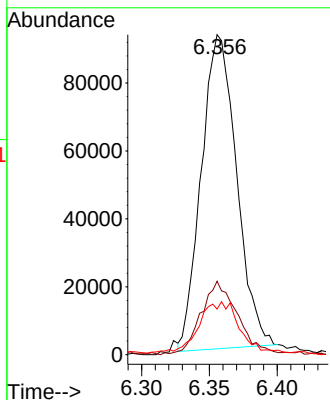
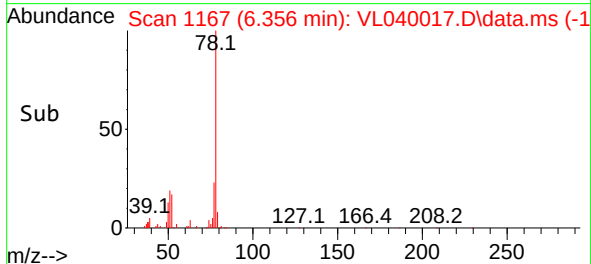
Instrument :
MSVOA_L
ClientSampleId :
SS-5



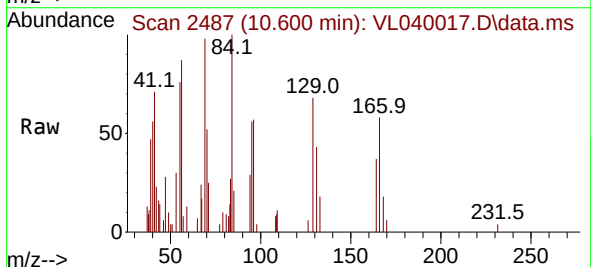
Tgt Ion: 78 Resp: 167768
Ion Ratio Lower Upper
78 100
77 23.1 18.2 27.2
50 12.8 15.8 23.8

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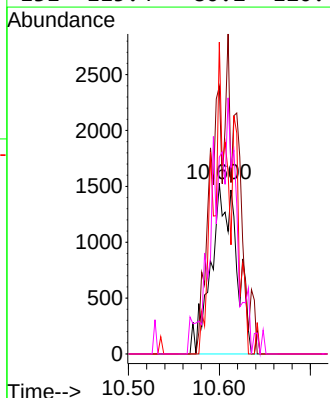
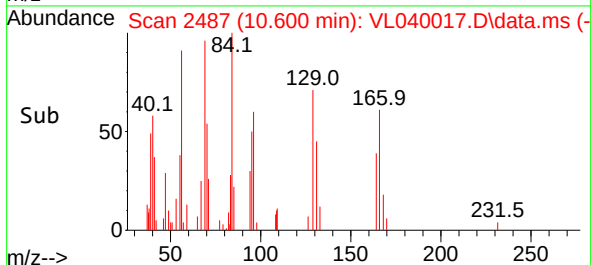
Reviewed By :Semsettin Yesilyurt 12/14/2022
Supervised By :Mahesh Dadoda 12/14/2022

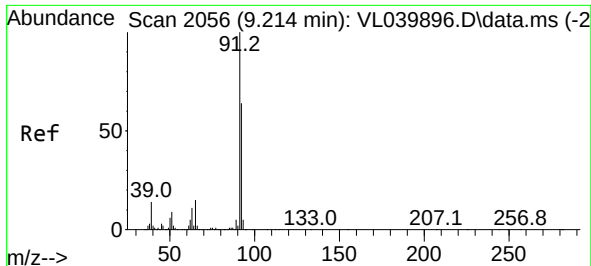


#52
Tetrachloroethene
Concen: 0.037 ppbv m
RT: 10.600 min Scan# 2487
Delta R.T. 0.019 min
Lab File: VL040017.D
Acq: 13 Dec 2022 22:51



Tgt Ion:164 Resp: 3033
Ion Ratio Lower Upper
164 100
166 156.9 98.3 147.5#
129 182.9 79.7 119.5#
131 115.4 80.2 120.4





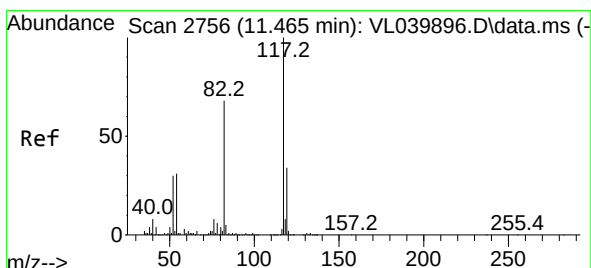
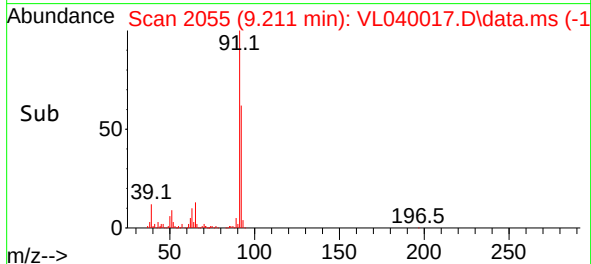
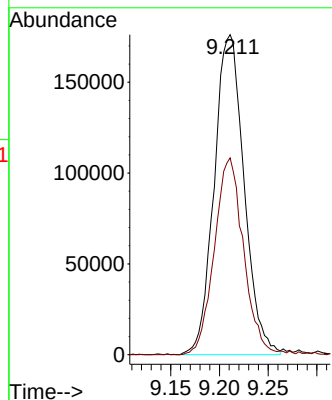
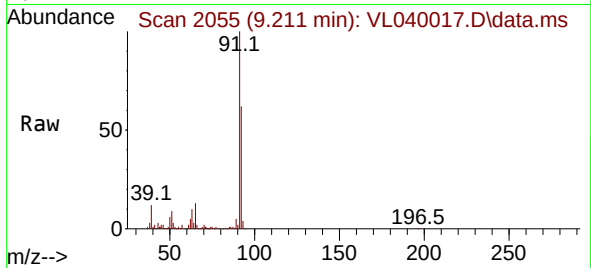
#53
Toluene
Concen: 1.498 ppbv
RT: 9.211 min Scan# 2056
Delta R.T. 0.026 min
Lab File: VL040017.D
Acq: 13 Dec 2022 22:51

Instrument :
MSVOA_L
ClientSampleId :
SS-5

Tgt Ion: 91 Resp: 37658
Ion Ratio Lower Upper
91 100
92 60.4 49.8 74.6

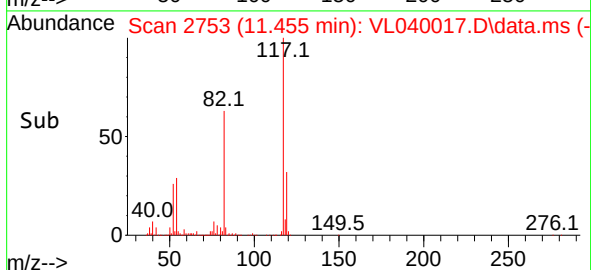
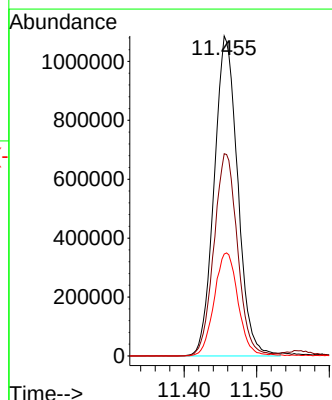
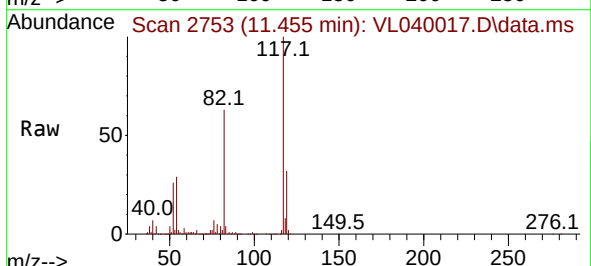
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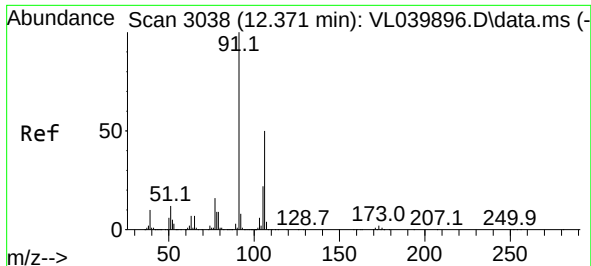
Reviewed By :Semsettin Yesilyurt 12/14/2022
Supervised By :Mahesh Dadoda 12/14/2022



#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.455 min Scan# 2753
Delta R.T. 0.023 min
Lab File: VL040017.D
Acq: 13 Dec 2022 22:51

Tgt Ion:117 Resp: 2449205
Ion Ratio Lower Upper
117 100
82 63.7 52.3 78.5
119 32.8 25.7 38.5





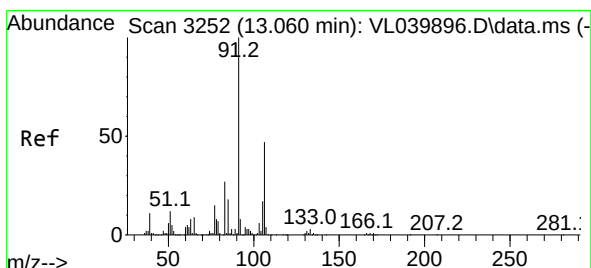
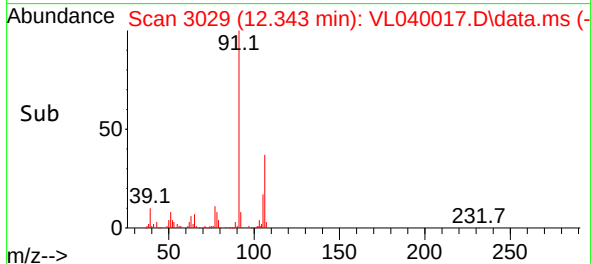
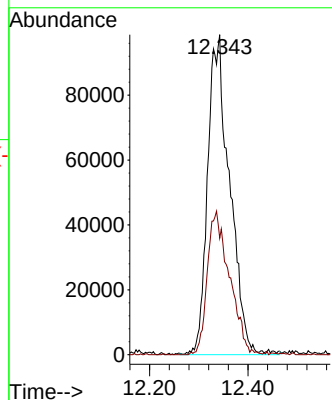
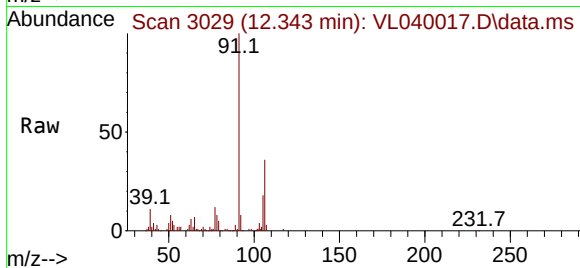
#59
m/p-Xylene
Concen: 1.103 ppbv m
RT: 12.343 min Scan# 3038
Delta R.T. 0.003 min
Lab File: VL040017.D
Acq: 13 Dec 2022 22:51

Instrument :
MSVOA_L
ClientSampleId :
SS-5

Tgt Ion: 91 Resp: 306728
Ion Ratio Lower Upper
91 100
106 45.3 37.0 55.6

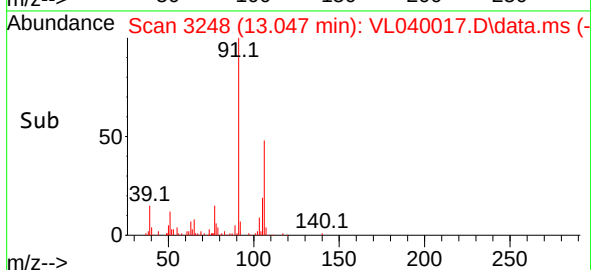
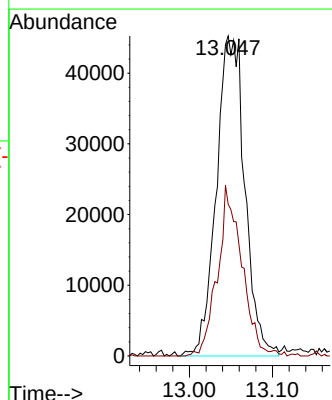
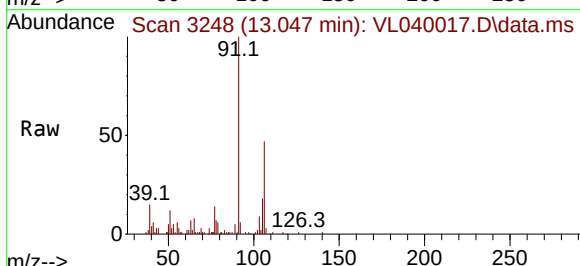
Manual Integrations
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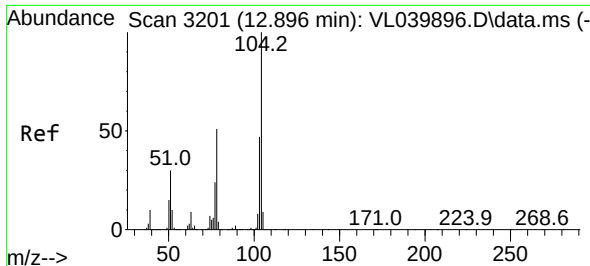
Reviewed By :Semsettin Yesilyurt 12/14/2022
Supervised By :Mahesh Dadoda 12/14/2022



#60
o-Xylene
Concen: 0.407 ppbv m
RT: 13.047 min Scan# 3248
Delta R.T. 0.019 min
Lab File: VL040017.D
Acq: 13 Dec 2022 22:51

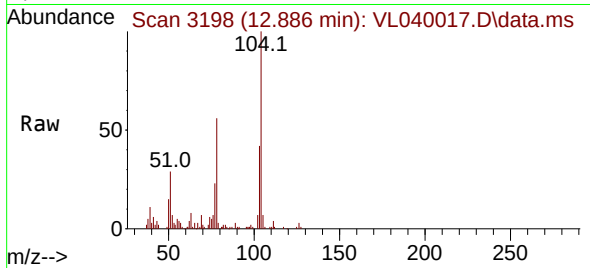
Tgt Ion: 91 Resp: 107911
Ion Ratio Lower Upper
91 100
106 45.4 23.2 69.6





#61
Styrene
Concen: 0.725 ppbv
RT: 12.886 min Scan# 3198
Delta R.T. 0.023 min
Lab File: VL040017.D
Acq: 13 Dec 2022 22:51

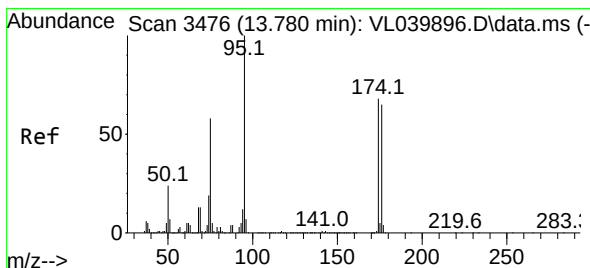
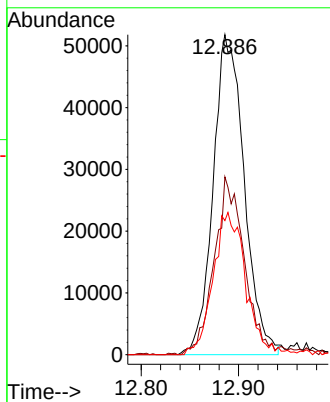
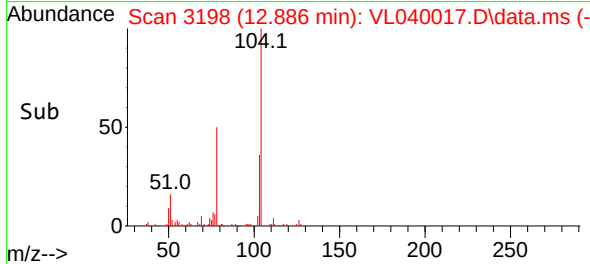
Instrument :
MSVOA_L
ClientSampleId :
SS-5



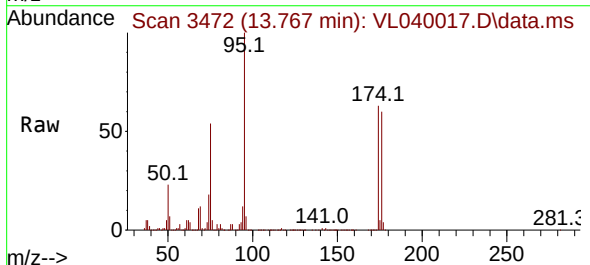
Tgt Ion:104 Resp: 11472
Ion Ratio Lower Upper
104 100
78 54.7 41.8 62.8
103 47.2 37.2 55.8

Manual Integrations
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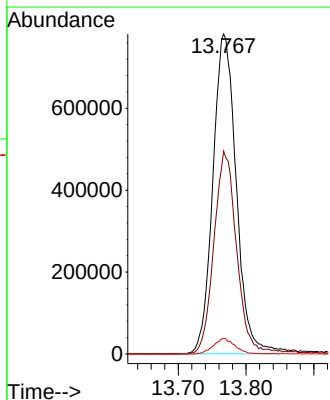
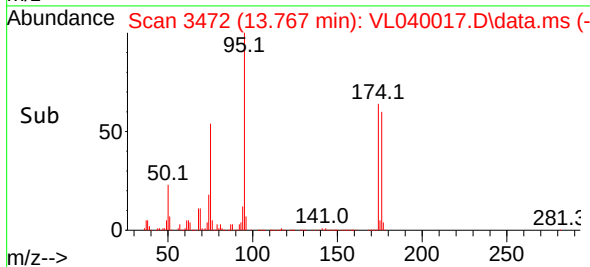
Reviewed By :Semsettin Yesilyurt 12/14/2022
Supervised By :Mahesh Dadoda 12/14/2022

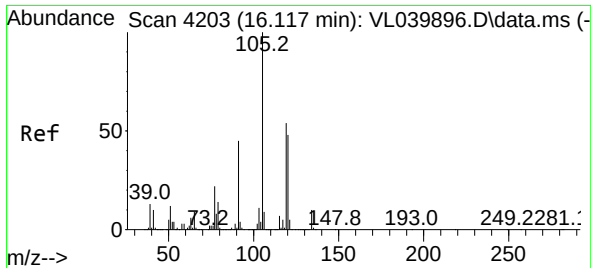


#68
1-Bromo-4-Fluorobenzene
Concen: 9.975 ppbv
RT: 13.767 min Scan# 3472
Delta R.T. 0.026 min
Lab File: VL040017.D
Acq: 13 Dec 2022 22:51



Tgt Ion: 95 Resp: 1866125
Ion Ratio Lower Upper
95 100
174 62.3 53.7 80.5
175 4.6 4.0 6.0





#74

1,2,4-Trimethylbenzene

Concen: 0.218 ppbv

RT: 16.101 min Scan# 41

Delta R.T. 0.026 min

Lab File: VL040017.D

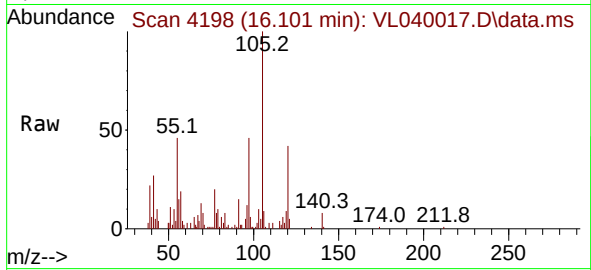
Acq: 13 Dec 2022 22:51

Instrument :

MSVOA_L

ClientSampleId :

SS-5



Tgt Ion:105 Resp: 6289

Ion Ratio Lower Upper

105 100

120 42.0 38.7 58.1

91 12.6 36.4 54.6

77 18.5 17.4 26.0

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 12/14/2022

Supervised By :Mahesh Dadoda 12/14/2022

