

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL120122\
 Data File : VL039943.D
 Acq On : 1 Dec 2022 15:46
 Operator : SY/MD
 Sample : N5824-01DUP
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 TPC-1ADUP

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 12/02/2022
 Supervised By :Mahesh Dadoda 12/05/2022

Quant Time: Dec 02 05:32:54 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 05:29:35 2022

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.166	49	1097239	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.629	114	3030604	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.446	117	2686629	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.757	95	2037528	9.929	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.300%
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.703	85	79219	0.504	ppbv	97
4) Chloromethane	2.790	50	33235	0.343	ppbv	98
9) Propene	2.677	41	96774m	1.357	ppbv	
10) Heptane	7.555	43	41707m	0.242	ppbv	
11) Trichlorofluoromethane	3.536	101	95597	0.499	ppbv	92
13) Ethanol	3.227	45	12296485	2258.202	ppbv	92
15) Acetone	3.439	43	3407751	23.415	ppbv	99
17) tert-Butyl alcohol	3.877	59	60903m	0.364	ppbv	
19) Isopropyl Alcohol	3.565	45	9010818	114.353	ppbv #	31
20) Methylene Chloride	3.909	84	732427	10.388	ppbv	96
26) Hexane	5.185	57	1008871	8.643	ppbv #	57
30) Cyclohexane	6.574	84	24789	0.216	ppbv #	83
34) 2-Butanone	4.764	43	48378	0.334	ppbv	92
35) Carbon Tetrachloride	6.462	117	12923m	0.075	ppbv	
36) Benzene	6.349	78	95196m	0.370	ppbv	
52) Tetrachloroethene	10.590	164	16426m	0.170	ppbv	
53) Toluene	9.195	91	807368	2.751	ppbv	99
59) m/p-Xylene	12.327	91	57299m	0.188	ppbv	

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

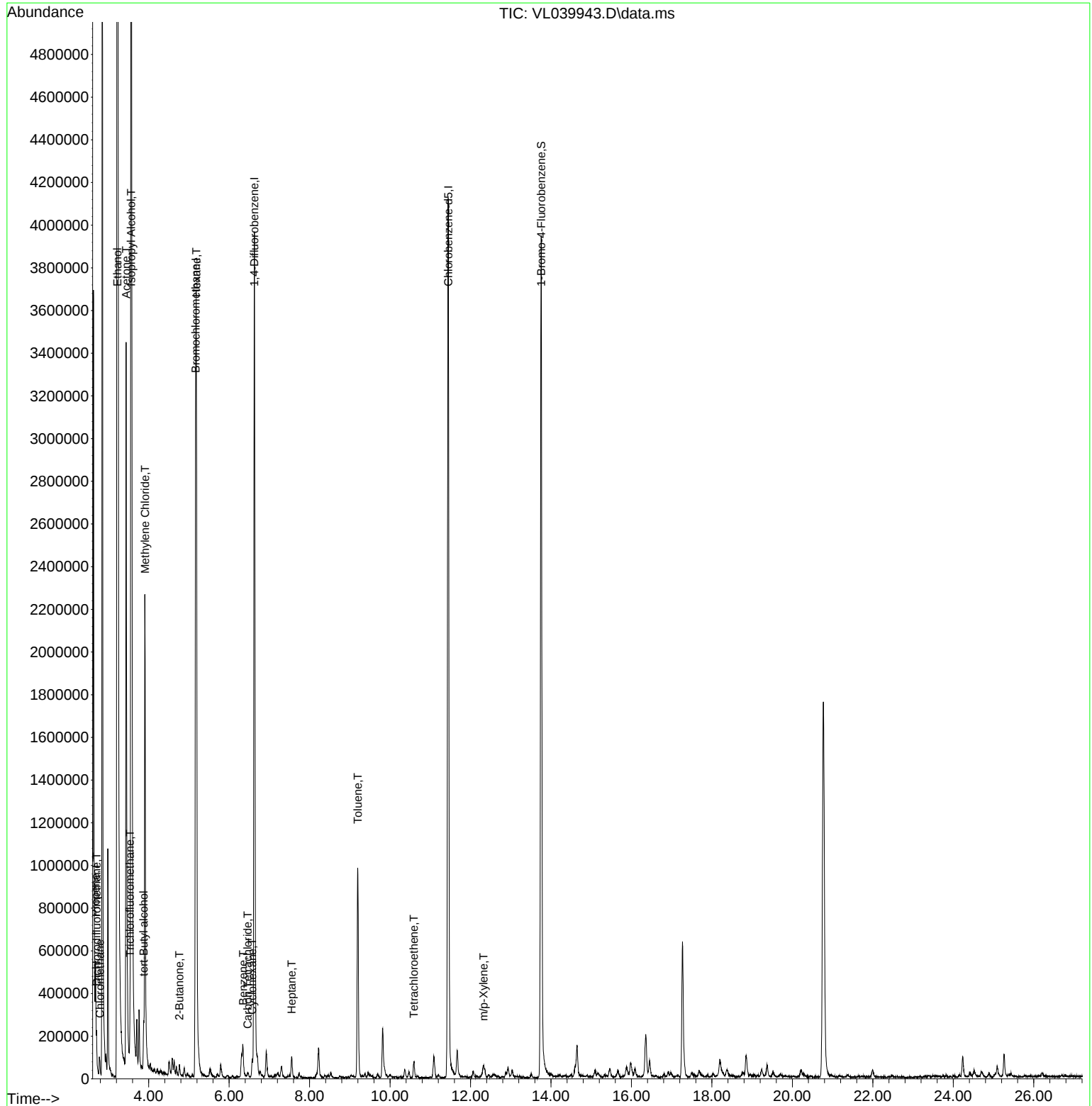
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL120122\
Data File : VL039943.D
Acq On : 1 Dec 2022 15:46
Operator : SY/MD
Sample : N5824-01DUP
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
TPC-1ADUP

Quant Time: Dec 02 05:32:54 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 05:29:35 2022
Response via : Initial Calibration

Manual Integrations
APPROVED

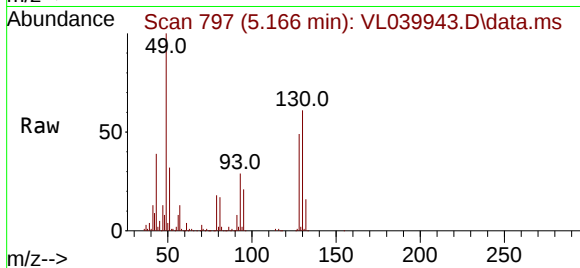
Reviewed By : Semsettin Yesilyurt 12/02/2022
Supervised By : Mahesh Dadoda 12/05/2022





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.166 min Scan# 79
Delta R.T. -0.007 min
Lab File: VL039943.D
Acq: 1 Dec 2022 15:46

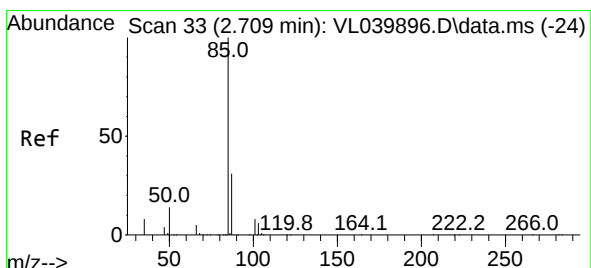
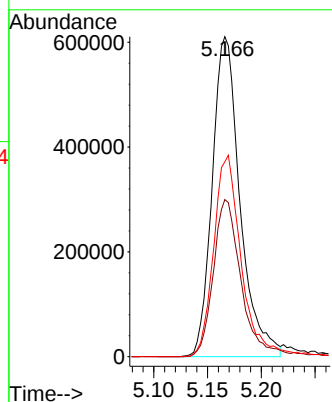
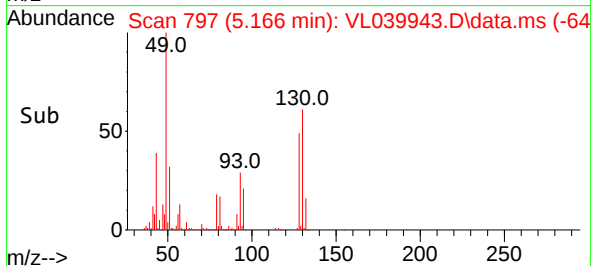
Instrument :
MSVOA_L
ClientSampleId :
TPC-1ADUP



Tgt Ion: 49 Resp: 1097239
Ion Ratio Lower Upper
49 100
128 49.8 22.1 66.3
130 64.2 27.7 83.1

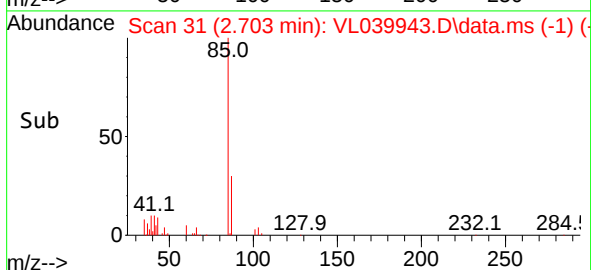
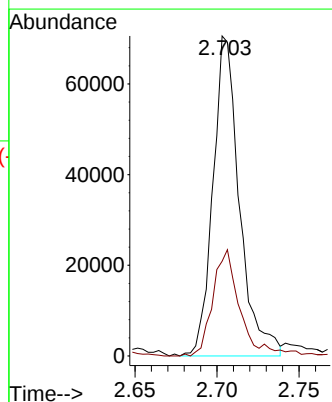
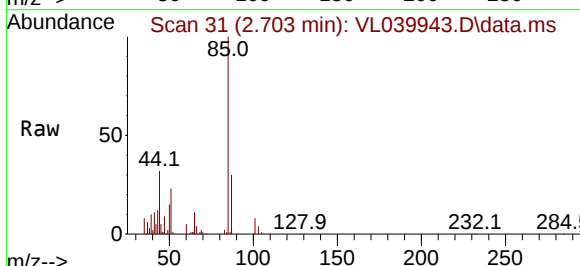
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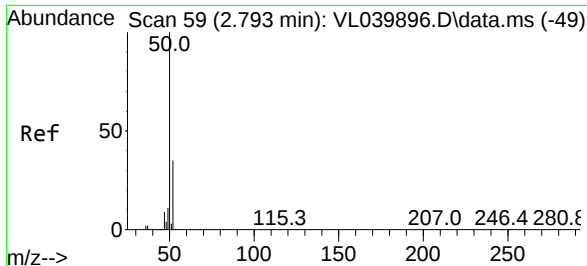
Reviewed By :Semsettin Yesilyurt 12/02/2022
Supervised By :Mahesh Dadoda 12/05/2022



#2
Dichlorodifluoromethane
Concen: 0.504 ppbv
RT: 2.703 min Scan# 31
Delta R.T. -0.006 min
Lab File: VL039943.D
Acq: 1 Dec 2022 15:46

Tgt Ion: 85 Resp: 79219
Ion Ratio Lower Upper
85 100
87 29.6 25.0 37.4





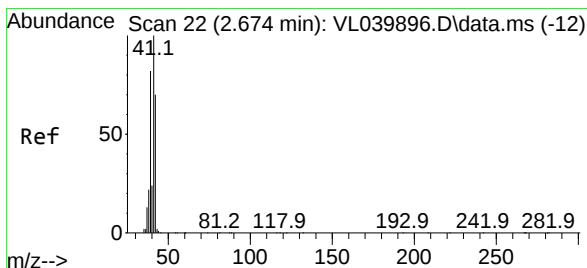
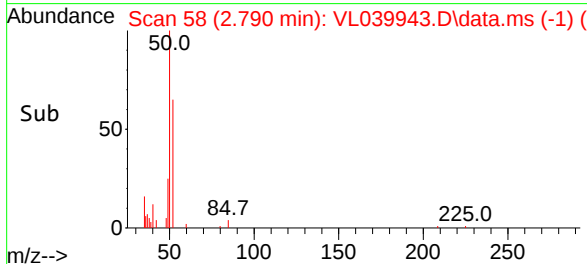
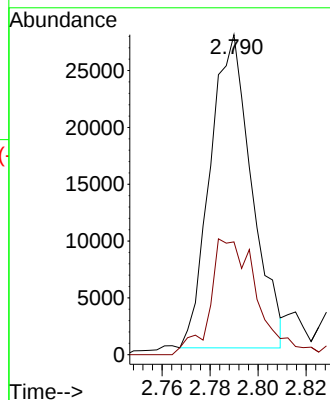
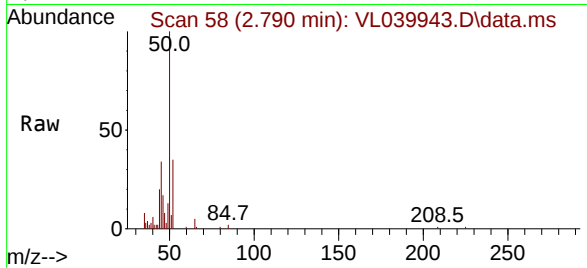
#4
Chloromethane
Concen: 0.343 ppbv
RT: 2.790 min Scan# 50
Delta R.T. -0.000 min
Lab File: VL039943.D
Acq: 1 Dec 2022 15:46

Instrument :
MSVOA_L
ClientSampleId :
TPC-1ADUP

Tgt Ion: 50 Resp: 3323
Ion Ratio Lower Upper
50 100
52 33.8 27.8 41.8

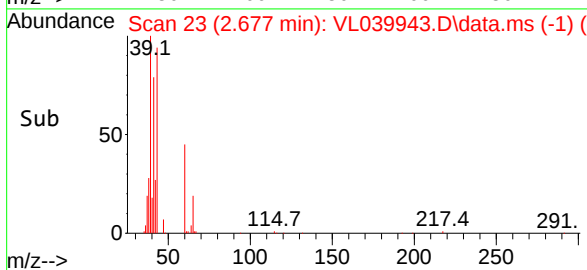
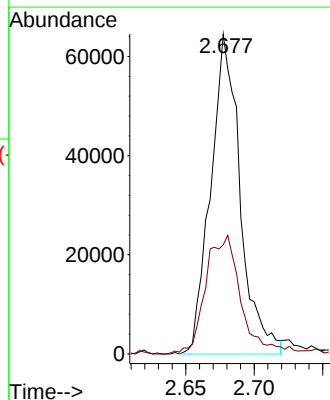
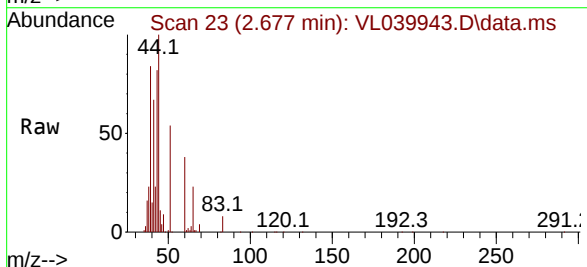
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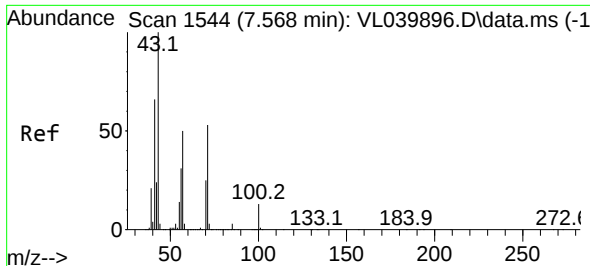
Reviewed By :Semsettin Yesilyurt 12/02/2022
Supervised By :Mahesh Dadoda 12/05/2022



#9
Propene
Concen: 1.357 ppbv m
RT: 2.677 min Scan# 23
Delta R.T. 0.006 min
Lab File: VL039943.D
Acq: 1 Dec 2022 15:46

Tgt Ion: 41 Resp: 96774
Ion Ratio Lower Upper
41 100
42 1277.9 55.8 83.6#





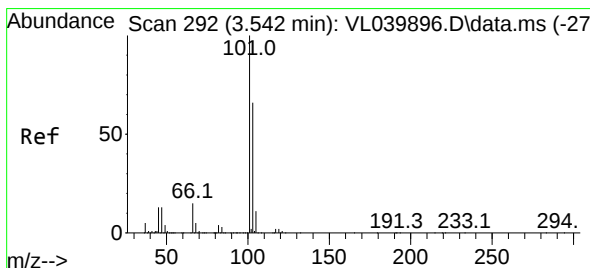
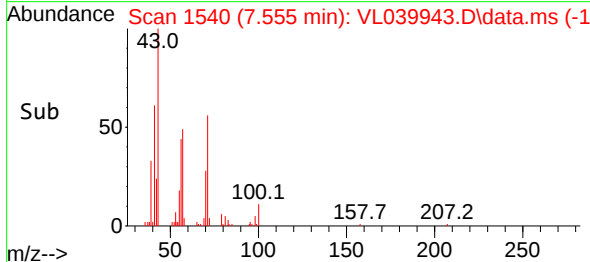
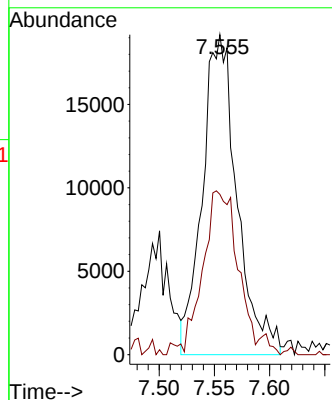
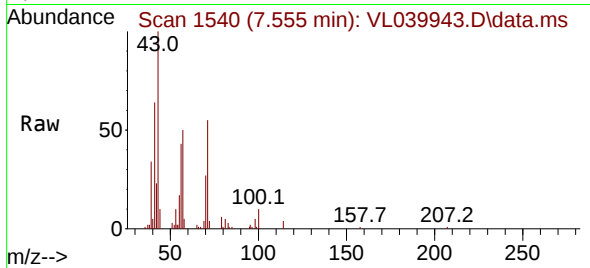
#10
Heptane
Concen: 0.242 ppbv m
RT: 7.555 min Scan# 11
Delta R.T. -0.010 min
Lab File: VL039943.D
Acq: 1 Dec 2022 15:46

Instrument :
MSVOA_L
ClientSampleId :
TPC-1ADUP

Tgt Ion: 43 Resp: 4170
Ion Ratio Lower Upper
43 100
57 54.7 40.7 61.1

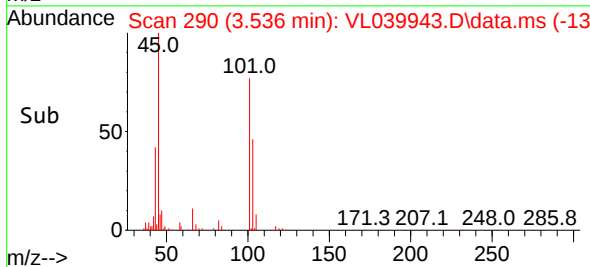
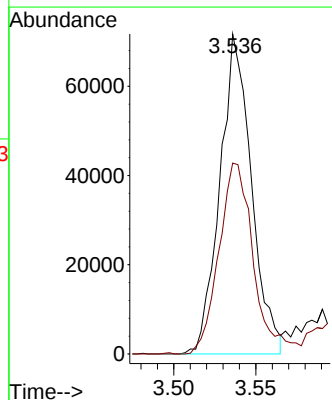
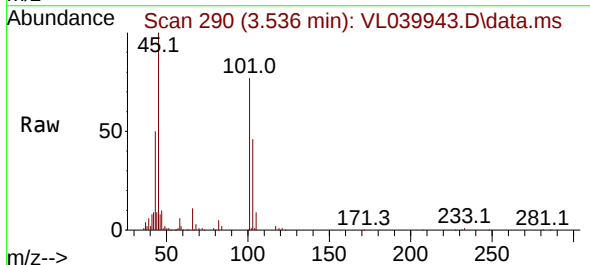
Manual Integrations
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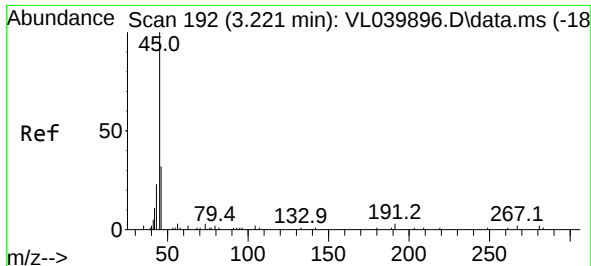
Reviewed By :Semsettin Yesilyurt 12/02/2022
Supervised By :Mahesh Dadoda 12/05/2022



#11
Trichlorofluoromethane
Concen: 0.499 ppbv
RT: 3.536 min Scan# 290
Delta R.T. -0.006 min
Lab File: VL039943.D
Acq: 1 Dec 2022 15:46

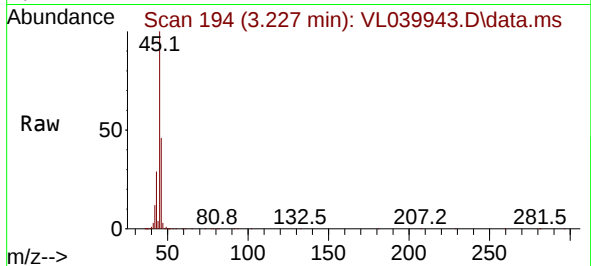
Tgt Ion:101 Resp: 95597
Ion Ratio Lower Upper
101 100
103 59.6 52.6 78.8





#13
Ethanol
Concen: 2258.202 ppbv
RT: 3.227 min Scan# 192
Delta R.T. -0.000 min
Lab File: VL039943.D
Acq: 1 Dec 2022 15:46

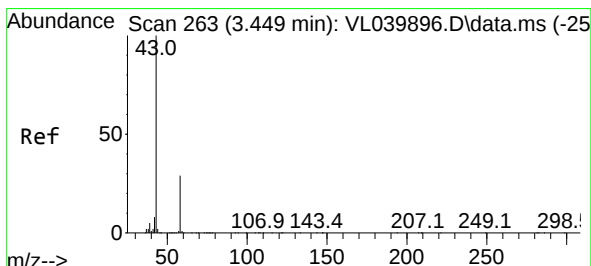
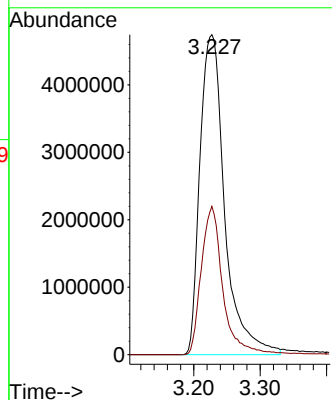
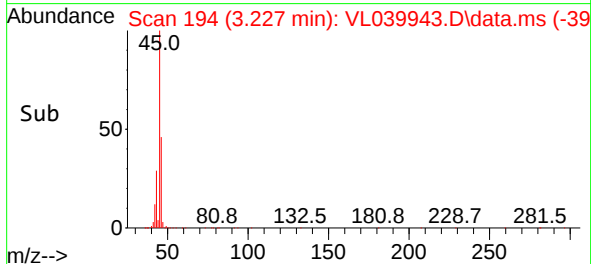
Instrument :
MSVOA_L
ClientSampleId :
TPC-1ADUP



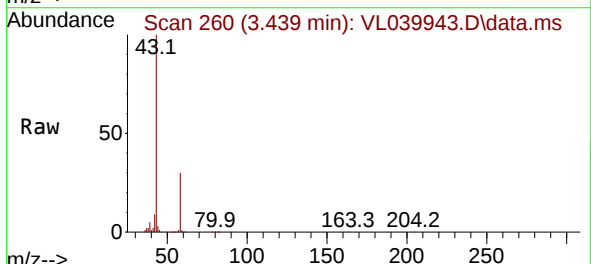
Tgt Ion: 45 Resp:1229648
Ion Ratio Lower Upper
45 100
46 41.1 14.6 58.2

Manual Integrations
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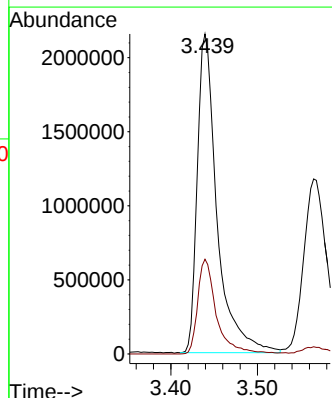
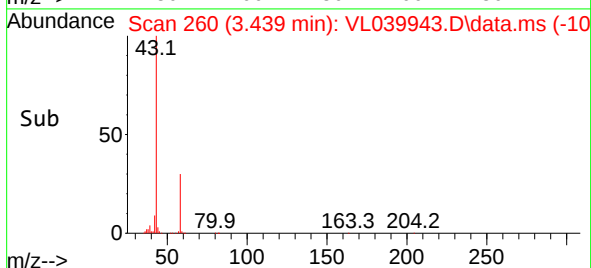
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Supervised By :Mahesh Dadoda 12/05/2022

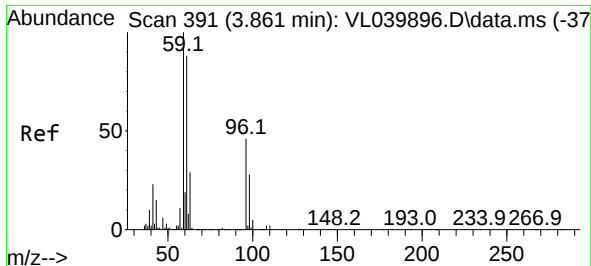


#15
Acetone
Concen: 23.415 ppbv
RT: 3.439 min Scan# 260
Delta R.T. -0.006 min
Lab File: VL039943.D
Acq: 1 Dec 2022 15:46



Tgt Ion: 43 Resp: 3407751
Ion Ratio Lower Upper
43 100
58 28.3 22.9 34.3





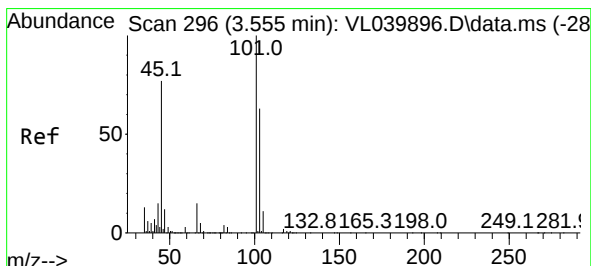
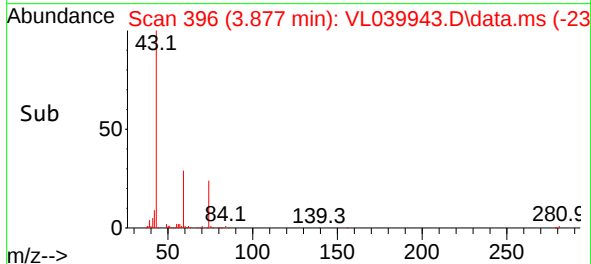
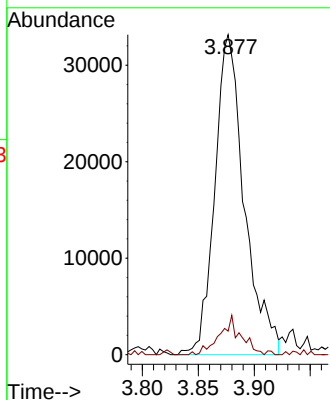
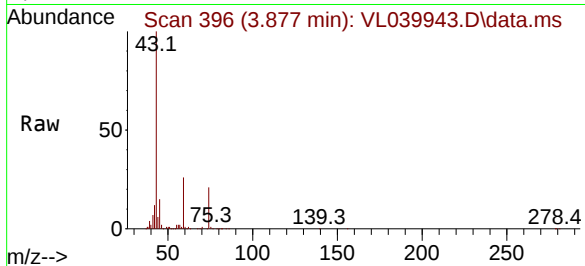
#17
tert-Butyl alcohol
Concen: 0.364 ppbv m
RT: 3.877 min Scan# 391
Delta R.T. 0.019 min
Lab File: VL039943.D
Acq: 1 Dec 2022 15:46

Instrument :
MSVOA_L
ClientSampleId :
TPC-1ADUP

Tgt Ion: 59 Resp: 6090
Ion Ratio Lower Upper
59 100
57 9.4 8.3 12.5

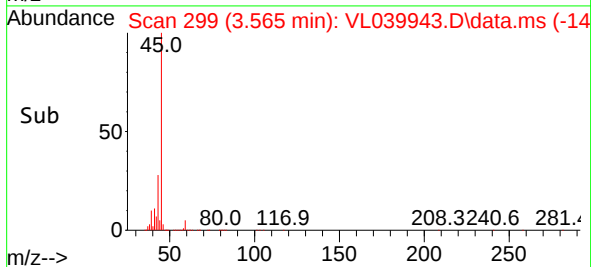
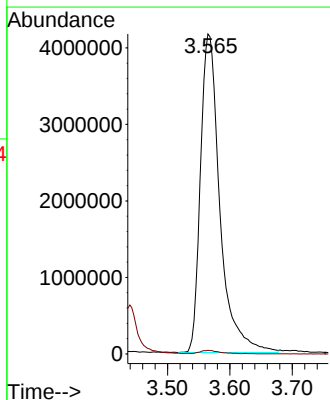
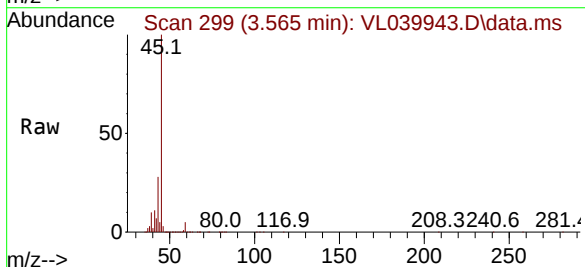
Manual Integrations
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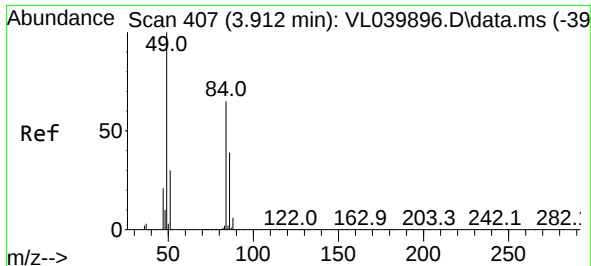
Reviewed By :Semsettin Yesilyurt 12/02/2022
Supervised By :Mahesh Dadoda 12/05/2022



#19
Isopropyl Alcohol
Concen: 114.353 ppbv
RT: 3.565 min Scan# 299
Delta R.T. 0.010 min
Lab File: VL039943.D
Acq: 1 Dec 2022 15:46

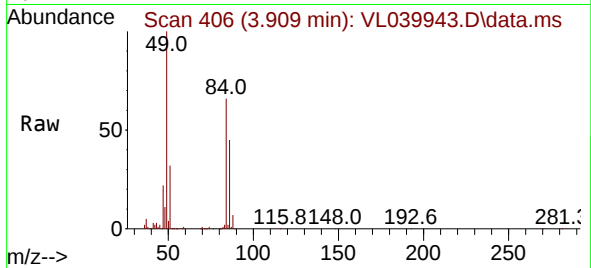
Tgt Ion: 45 Resp: 9010818
Ion Ratio Lower Upper
45 100
58 1.4 38.7 58.1#





#20
Methylene Chloride
Concen: 10.388 ppbv
RT: 3.909 min Scan# 406
Delta R.T. -0.003 min
Lab File: VL039943.D
Acq: 1 Dec 2022 15:46

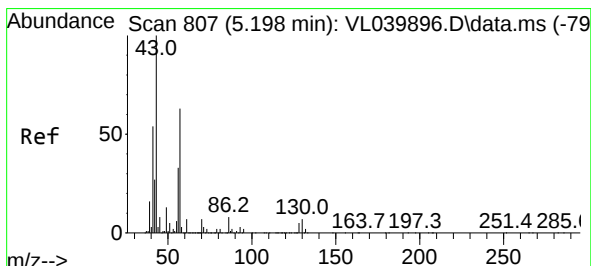
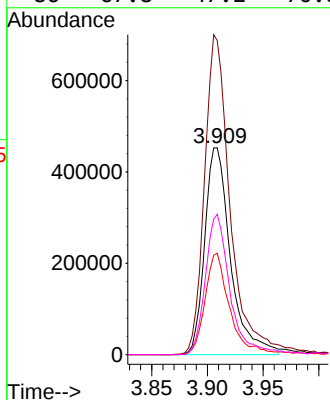
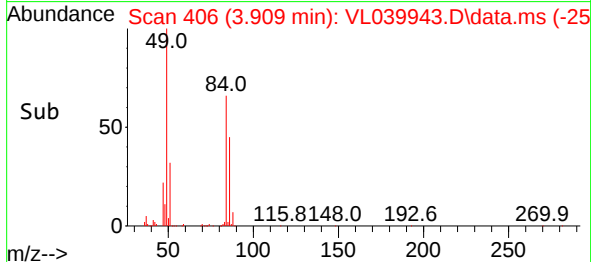
Instrument :
MSVOA_L
ClientSampleId :
TPC-1ADUP



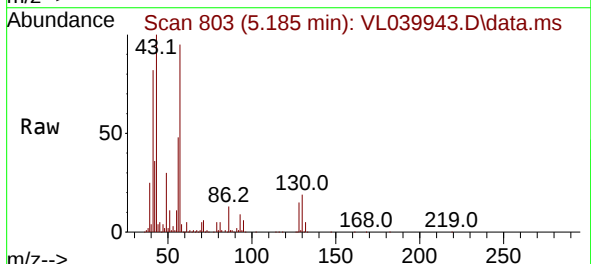
Tgt Ion: 84 Resp: 732421
Ion Ratio Lower Upper
84 100
49 151.7 122.2 183.4
51 48.7 36.3 54.5
86 67.8 47.2 70.8

Manual Integrations
APPROVED

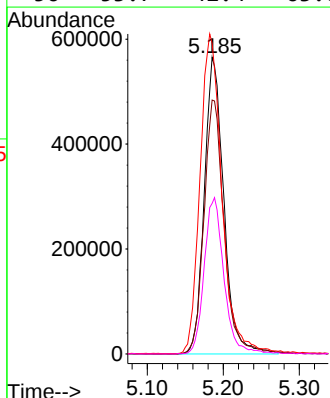
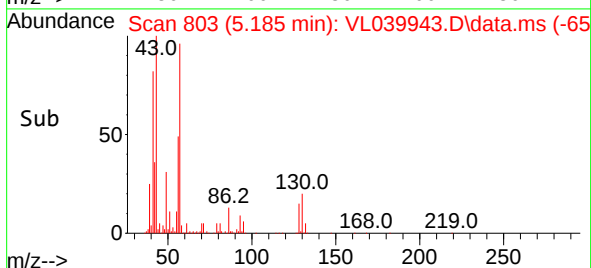
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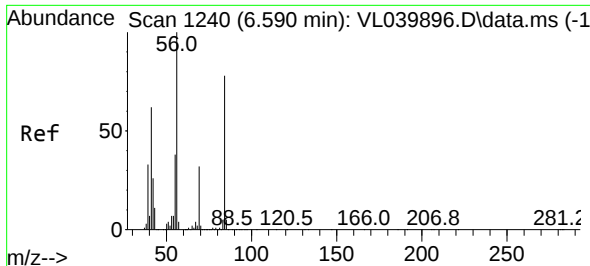


#26
Hexane
Concen: 8.643 ppbv
RT: 5.185 min Scan# 803
Delta R.T. -0.010 min
Lab File: VL039943.D
Acq: 1 Dec 2022 15:46



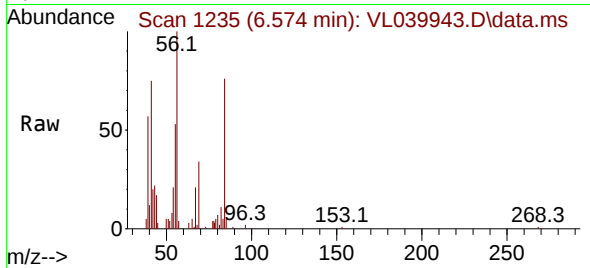
Tgt Ion: 57 Resp: 1008871
Ion Ratio Lower Upper
57 100
41 88.6 72.3 108.5
43 121.6 188.7 283.1#
56 53.7 42.4 63.6





#30
Cyclohexane
Concen: 0.216 ppbv
RT: 6.574 min Scan# 1235
Delta R.T. -0.010 min
Lab File: VL039943.D
Acq: 1 Dec 2022 15:46

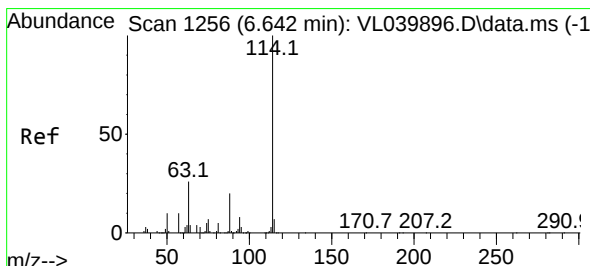
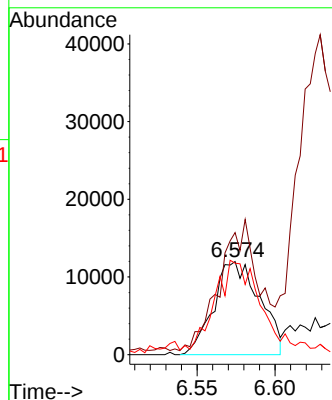
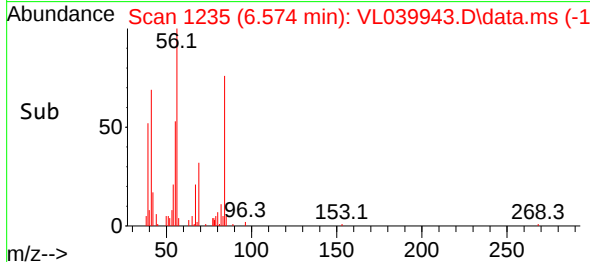
Instrument :
MSVOA_L
ClientSampleId :
TPC-1ADUP



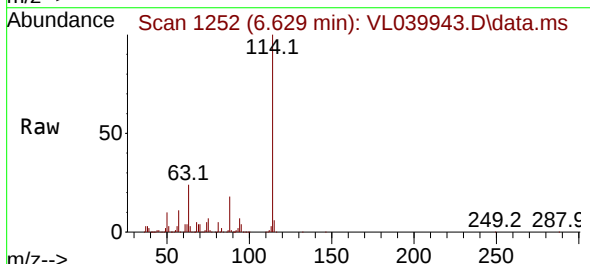
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Ion Ratio Lower Upper
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56 124.2 112.5 168.7
41 104.9 67.8 101.8

Manual Integrations
APPROVED

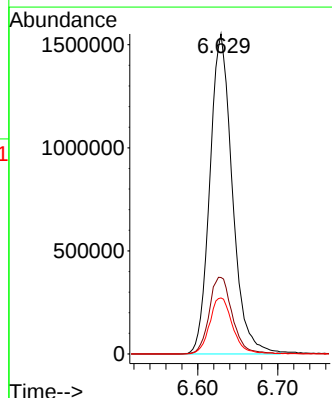
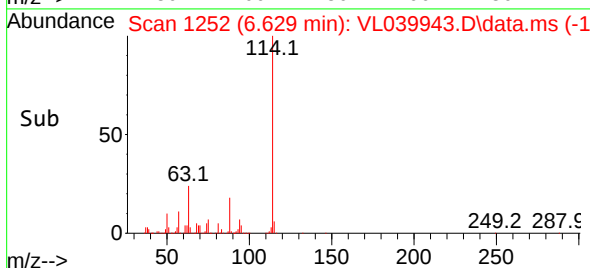
Reviewed By :Semsettin Yesilyurt 12/02/2022
Supervised By :Mahesh Dadoda 12/05/2022

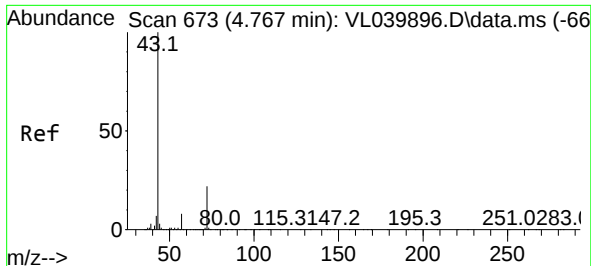


#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 6.629 min Scan# 1252
Delta R.T. -0.006 min
Lab File: VL039943.D
Acq: 1 Dec 2022 15:46



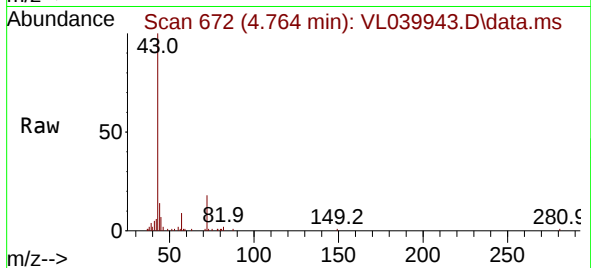
Tgt Ion:114 Resp: 3030604
Ion Ratio Lower Upper
114 100
63 25.0 21.4 32.0
88 18.0 15.3 22.9





#34
2-Butanone
Concen: 0.334 ppbv
RT: 4.764 min Scan# 61
Delta R.T. -0.003 min
Lab File: VL039943.D
Acq: 1 Dec 2022 15:46

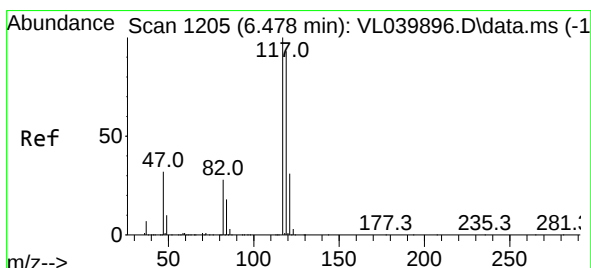
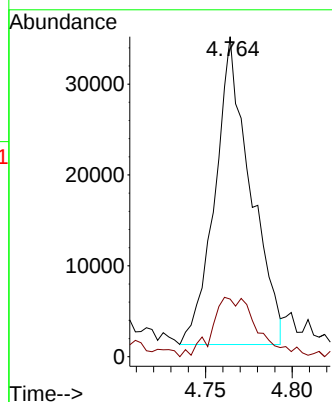
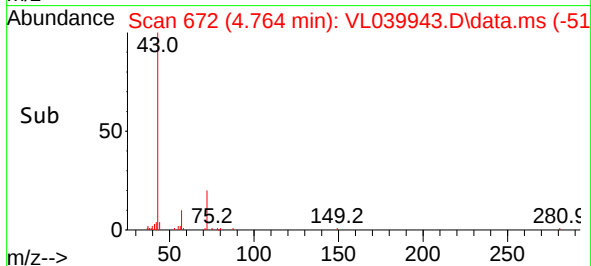
Instrument :
MSVOA_L
ClientSampleId :
TPC-1ADUP



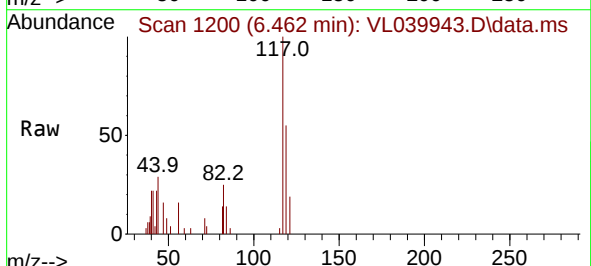
Tgt Ion: 43 Resp: 48378
Ion Ratio Lower Upper
43 100
72 25.6 17.4 26.2

Manual Integrations
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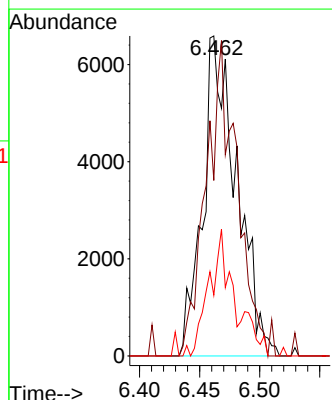
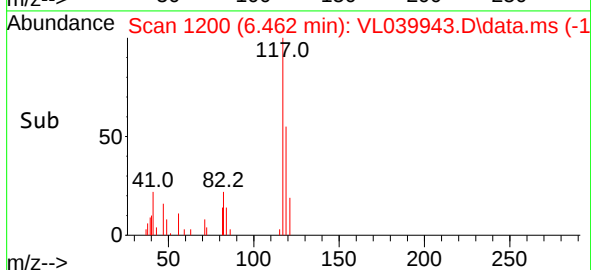
Reviewed By :Semsettin Yesilyurt 12/02/2022
Supervised By :Mahesh Dadoda 12/05/2022

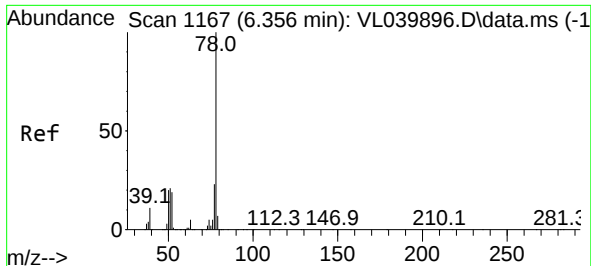


#35
Carbon Tetrachloride
Concen: 0.075 ppbv m
RT: 6.462 min Scan# 1200
Delta R.T. -0.016 min
Lab File: VL039943.D
Acq: 1 Dec 2022 15:46



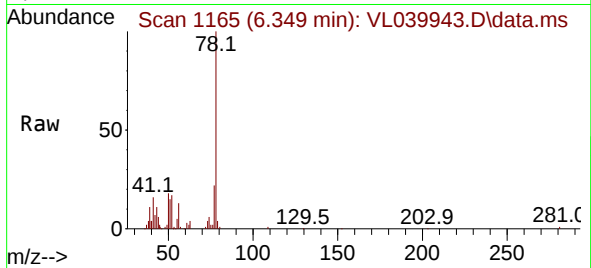
Tgt Ion:117 Resp: 12923
Ion Ratio Lower Upper
117 100
119 54.8 74.7 112.1#
121 19.0 24.5 36.7#





#36
Benzene
Concen: 0.370 ppbv m
RT: 6.349 min Scan# 1165
Delta R.T. -0.003 min
Lab File: VL039943.D
Acq: 1 Dec 2022 15:46

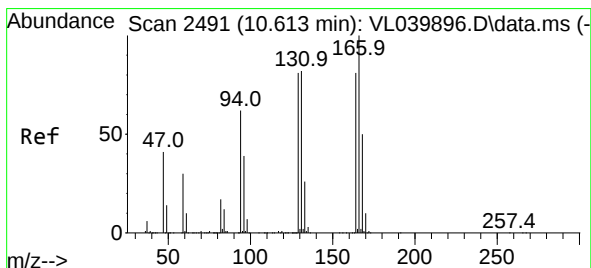
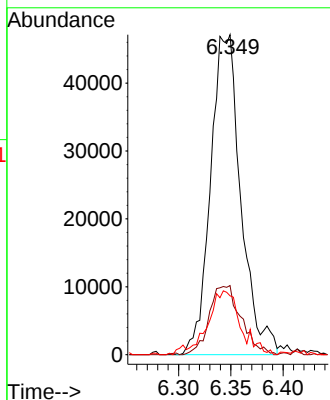
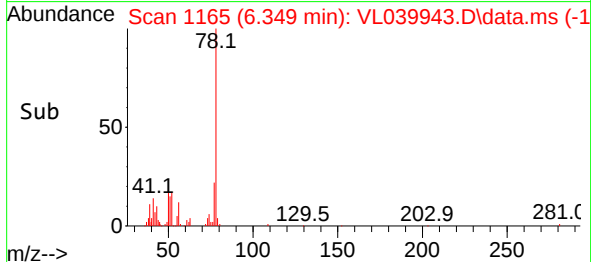
Instrument :
MSVOA_L
ClientSampleId :
TPC-1ADUP



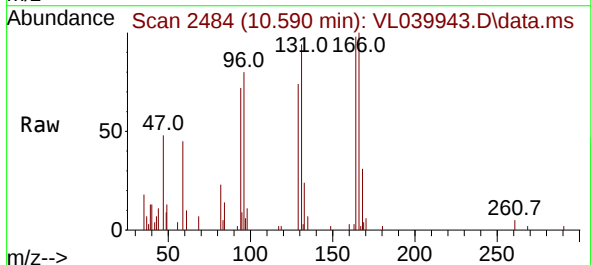
Tgt Ion: 78 Resp: 95190
Ion Ratio Lower Upper
78 100
77 21.6 18.2 27.2
50 18.4 15.8 23.8

Manual Integrations
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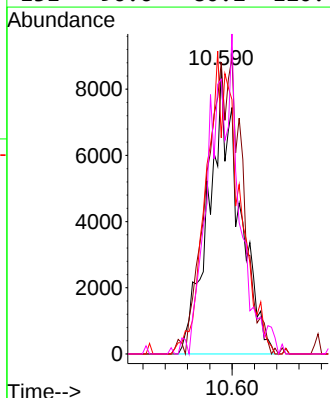
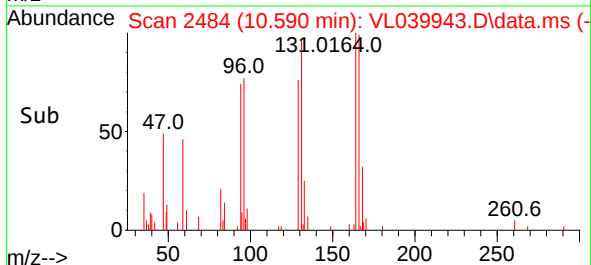
Reviewed By :Semsettin Yesilyurt 12/02/2022
Supervised By :Mahesh Dadoda 12/05/2022

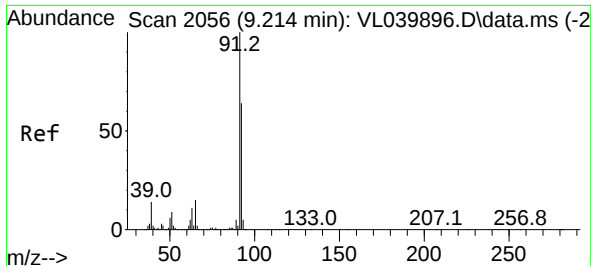


#52
Tetrachloroethene
Concen: 0.170 ppbv m
RT: 10.590 min Scan# 2484
Delta R.T. -0.013 min
Lab File: VL039943.D
Acq: 1 Dec 2022 15:46



Tgt Ion:164 Resp: 16426
Ion Ratio Lower Upper
164 100
166 102.5 98.3 147.5
129 76.0 79.7 119.5#
131 96.6 80.2 120.4





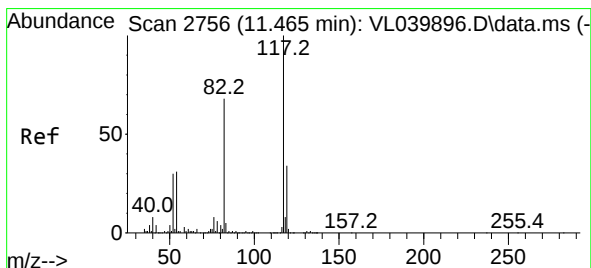
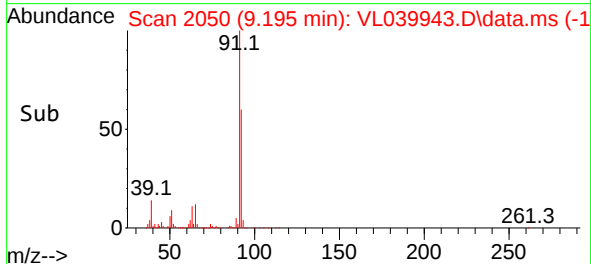
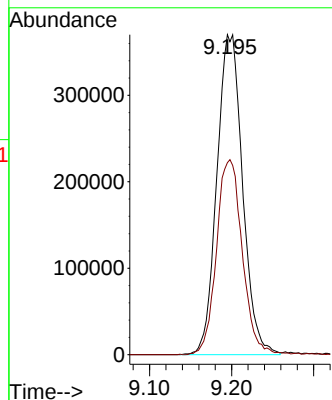
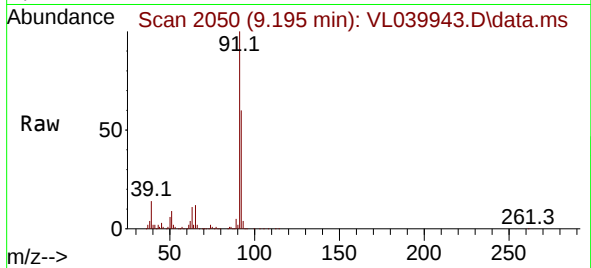
#53
Toluene
Concen: 2.751 ppbv
RT: 9.195 min Scan# 2056
Delta R.T. -0.010 min
Lab File: VL039943.D
Acq: 1 Dec 2022 15:46

Instrument :
MSVOA_L
ClientSampleId :
TPC-1ADUP

Tgt Ion: 91 Resp: 807368
Ion Ratio Lower Upper
91 100
92 61.5 49.8 74.6

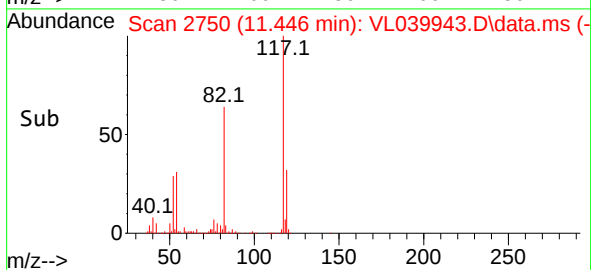
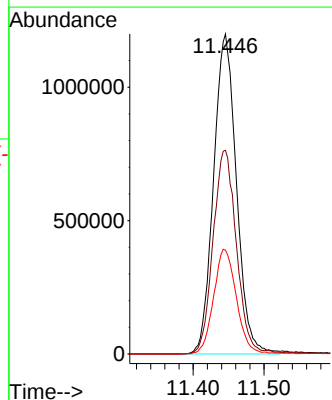
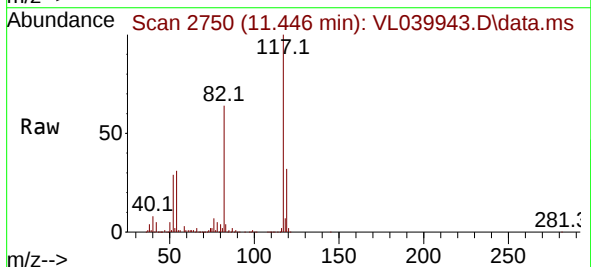
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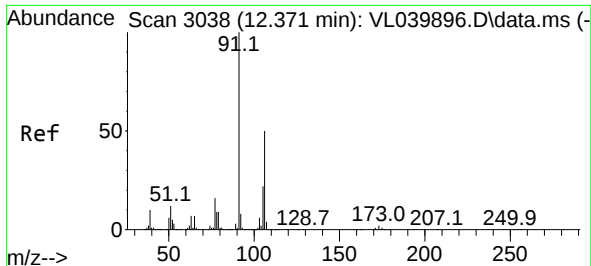
Reviewed By :Semsettin Yesilyurt 12/02/2022
Supervised By :Mahesh Dadoda 12/05/2022



#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.446 min Scan# 2750
Delta R.T. -0.006 min
Lab File: VL039943.D
Acq: 1 Dec 2022 15:46

Tgt Ion:117 Resp: 2686629
Ion Ratio Lower Upper
117 100
82 65.6 52.3 78.5
119 32.9 25.7 38.5





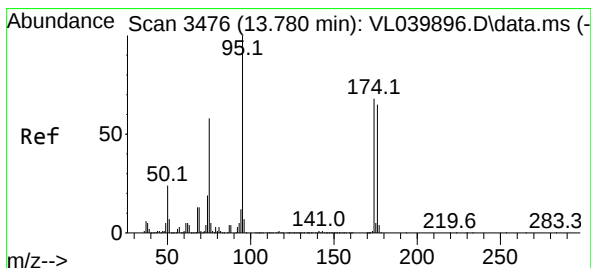
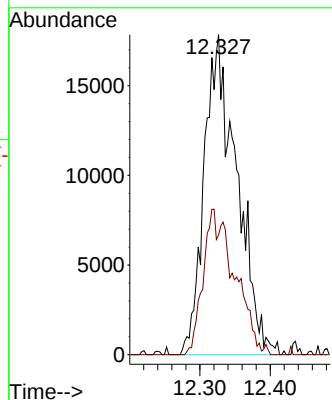
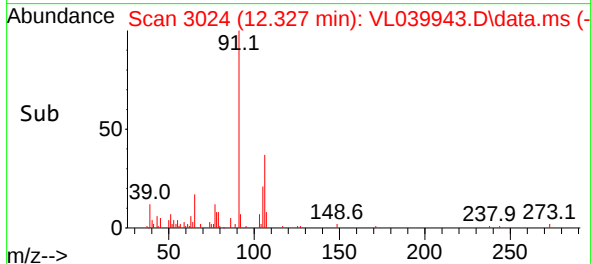
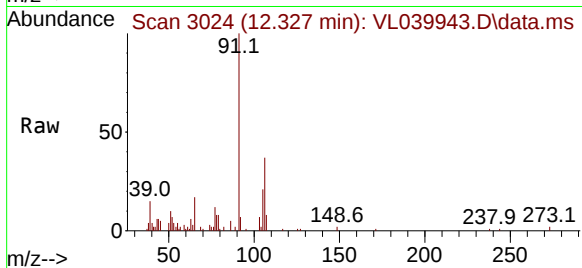
#59
m/p-Xylene
Concen: 0.188 ppbv m
RT: 12.327 min Scan# 3038
Delta R.T. -0.032 min
Lab File: VL039943.D
Acq: 1 Dec 2022 15:46

Instrument :
MSVOA_L
ClientSampleId :
TPC-1ADUP

Tgt Ion: 91 Resp: 57295
Ion Ratio Lower Upper
91 100
106 0.0 37.0 55.6

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 12/02/2022
Supervised By :Mahesh Dadoda 12/05/2022



#68
1-Bromo-4-Fluorobenzene
Concen: 9.929 ppbv
RT: 13.757 min Scan# 3469
Delta R.T. -0.006 min
Lab File: VL039943.D
Acq: 1 Dec 2022 15:46

Tgt Ion: 95 Resp: 2037528
Ion Ratio Lower Upper
95 100
174 61.2 53.7 80.5
175 4.4 4.0 6.0

