

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL122222\
 Data File : VL040067.D
 Acq On : 22 Dec 2022 14:30
 Operator : SY/MD
 Sample : N6181-05
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 OA1

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 12/23/2022
 Supervised By :Mahesh Dadoda 12/27/2022

Quant Time: Dec 23 06:28:29 2022

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL121922AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 2

QLast Update : Tue Dec 20 04:50:21 2022

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.173	49	894779	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.639	114	2535437	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.452	117	2161238	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.764	95	1669804	10.114	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.100%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.716	85	46618	0.278	ppbv	91
4) Chloromethane	2.796	50	30854	0.373	ppbv	92
9) Propene	2.677	41	106253	1.896	ppbv	93
10) Heptane	7.558	43	29998	0.219	ppbv	95
11) Trichlorofluoromethane	3.546	101	36016	0.198	ppbv	100
12) 1,1,2-Trichlorotrifluo...	4.050	101	8490	0.062	ppbv	96
13) Ethanol	3.224	45	344337	65.301	ppbv	94
15) Acetone	3.468	43	459109m	3.317	ppbv	
20) Methylene Chloride	3.919	84	751917	12.780	ppbv	98
26) Hexane	5.195	57	407046	4.040	ppbv #	38
36) Benzene	6.353	78	177978	0.786	ppbv	98
44) 2,2,4-Trimethylpentane	7.317	57	102558	0.275	ppbv #	77
53) Toluene	9.208	91	354053	1.412	ppbv	99
58) Ethyl Benzene	12.076	91	72476	0.236	ppbv	91
59) m/p-Xylene	12.333	91	185165	0.692	ppbv	96
60) o-Xylene	13.050	91	70539m	0.275	ppbv	

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

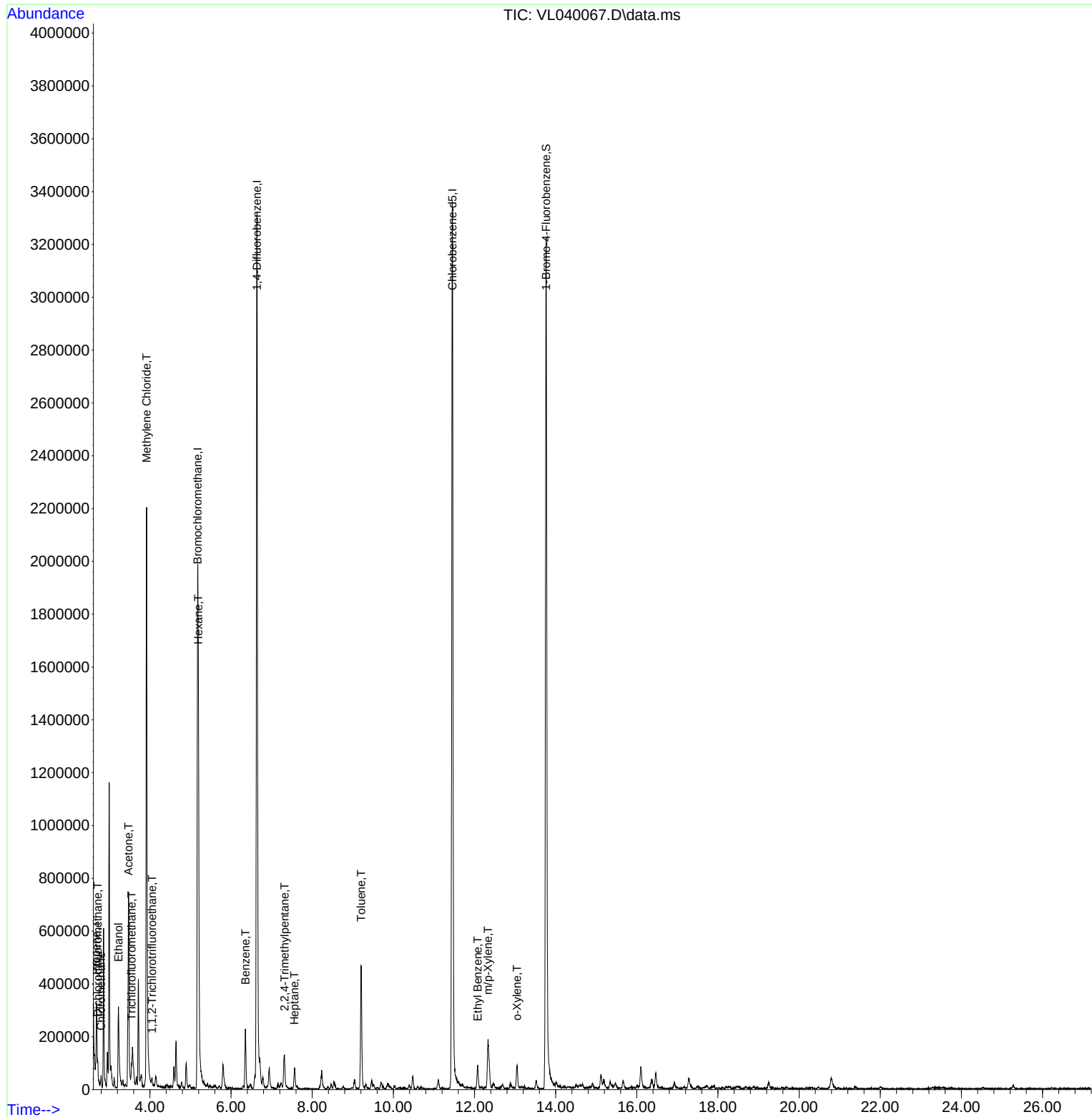
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL122222\
Data File : VL040067.D
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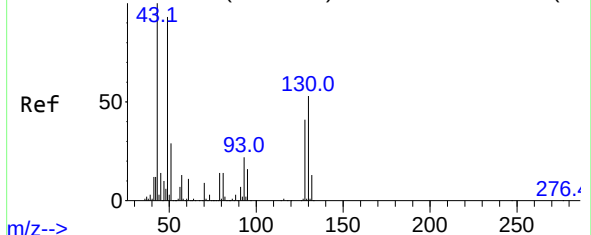
Quant Time: Dec 23 06:28:29 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL121922AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug
QLast Update : Tue Dec 20 04:50:21 2022
Response via : Initial Calibration

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Abundance Scan 799 (5.173 min): VL040020.D\data.ms (-78)



#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.173 min Scan# 799
Delta R.T. -0.000 min
Lab File: VL040067.D
Acq: 22 Dec 2022 14:30

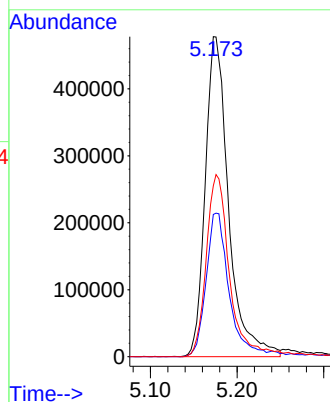
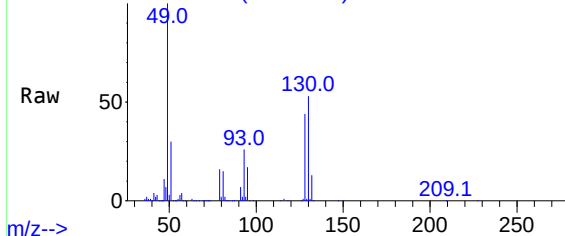
Instrument :
MSVOA_L
ClientSampleId :
OA1

Tgt Ion: 49 Resp: 894779
Ion Ratio Lower Upper
49 100
128 45.8 22.4 67.3
130 58.4 28.9 86.8

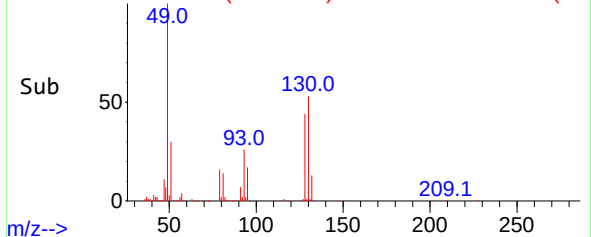
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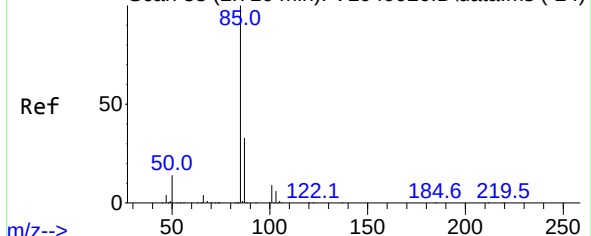
Abundance Scan 799 (5.173 min): VL040067.D\data.ms



Abundance Scan 799 (5.173 min): VL040067.D\data.ms (-64)



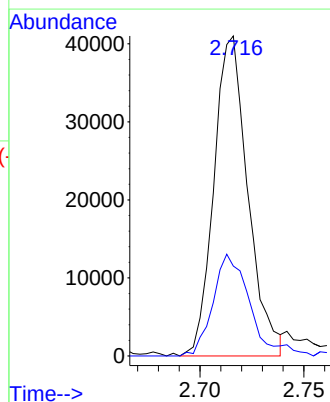
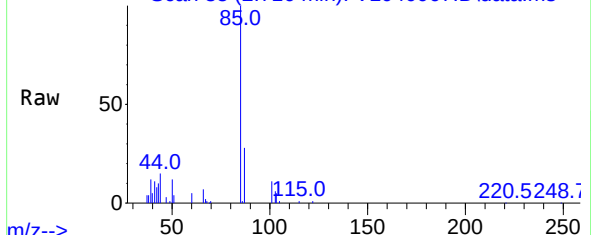
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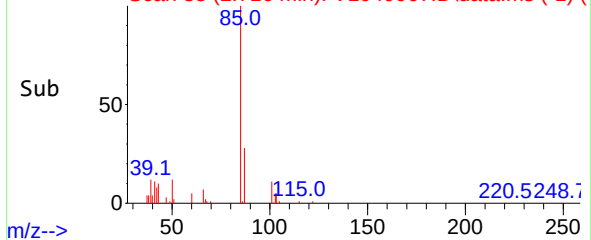
#2
Dichlorodifluoromethane
Concen: 0.278 ppbv
RT: 2.716 min Scan# 35
Delta R.T. 0.006 min
Lab File: VL040067.D
Acq: 22 Dec 2022 14:30

Tgt Ion: 85 Resp: 46618
Ion Ratio Lower Upper
85 100
87 28.1 26.6 40.0

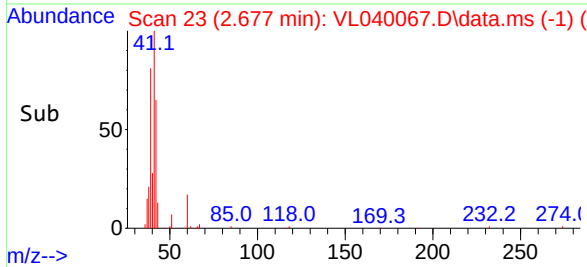
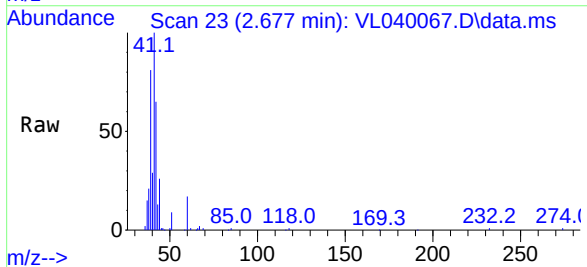
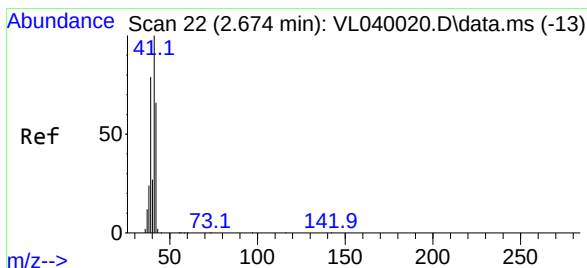
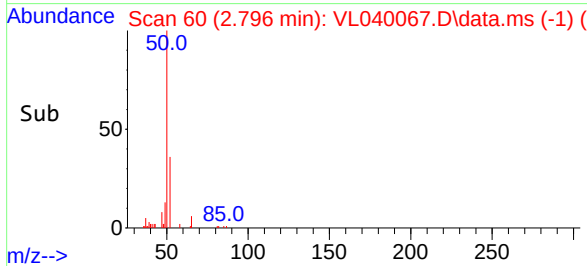
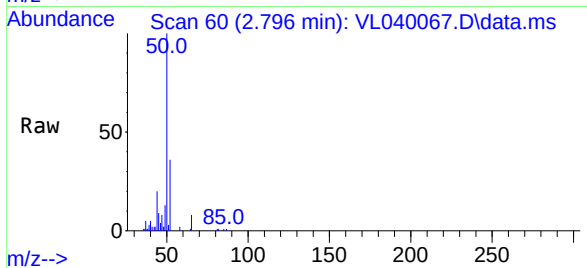
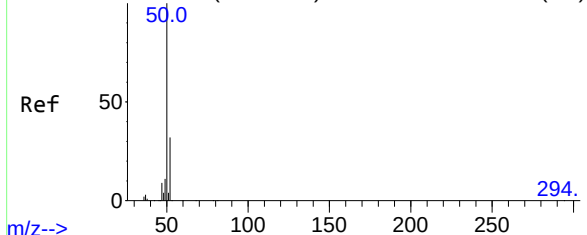
Abundance Scan 35 (2.716 min): VL040067.D\data.ms



Abundance Scan 35 (2.716 min): VL040067.D\data.ms (-1)

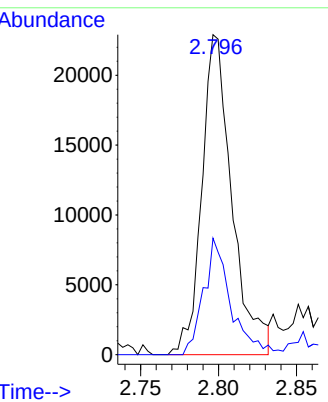


Abundance Scan 59 (2.793 min): VL040020.D\data.ms (-50)



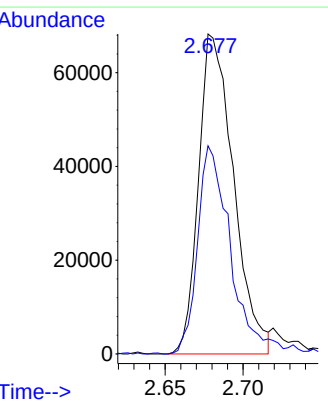
#4
Chloromethane
Concen: 0.373 ppbv
RT: 2.796 min Scan# 60
Delta R.T. 0.003 min
Lab File: VL040067.D
Acq: 22 Dec 2022 14:30

Tgt Ion: 50 Resp: 30854
Ion Ratio Lower Upper
50 100
52 36.4 25.5 38.3



#9
Propene
Concen: 1.896 ppbv
RT: 2.677 min Scan# 23
Delta R.T. 0.003 min
Lab File: VL040067.D
Acq: 22 Dec 2022 14:30

Tgt Ion: 41 Resp: 106253
Ion Ratio Lower Upper
41 100
42 63.0 54.8 82.2



Instrument :

MSVOA_L

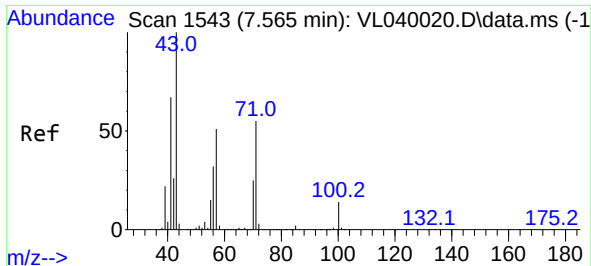
ClientSampleId :

OA1

Manual Integrations

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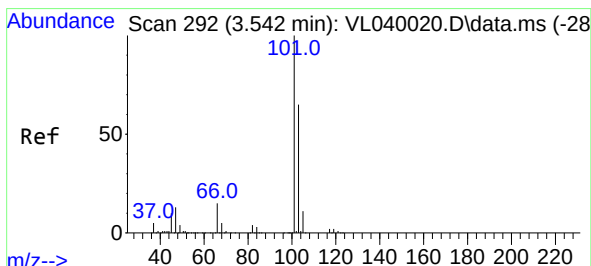
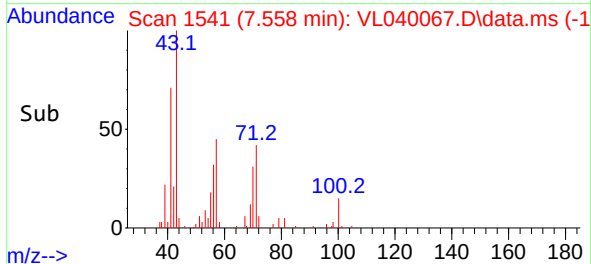
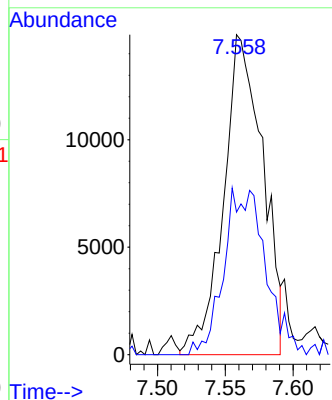
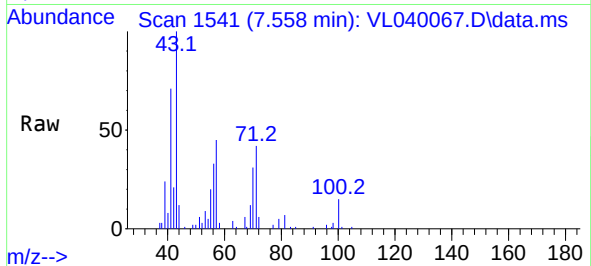
#10
Heptane
Concen: 0.219 ppbv
RT: 7.558 min Scan# 11
Delta R.T. -0.006 min
Lab File: VL040067.D
Acq: 22 Dec 2022 14:30

Instrument :
MSVOA_L
ClientSampleId :
OA1

Tgt Ion: 43 Resp: 29998
Ion Ratio Lower Upper
43 100
57 55.2 41.2 61.8

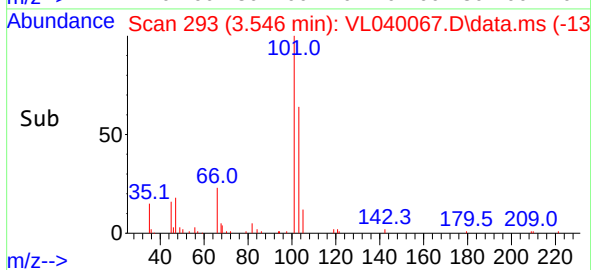
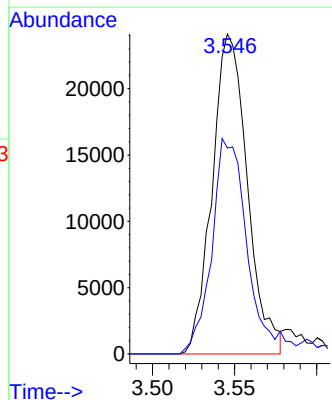
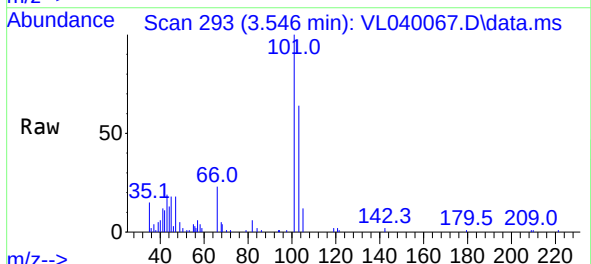
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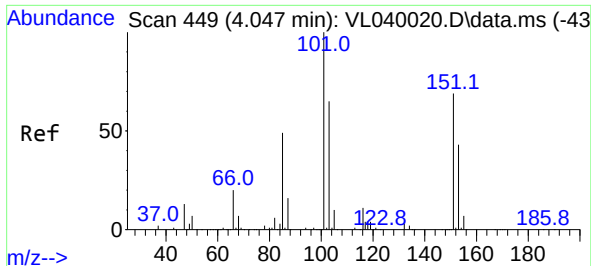
Reviewed By :Semsettin Yesilyurt 12/23/2022
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#11
Trichlorofluoromethane
Concen: 0.198 ppbv
RT: 3.546 min Scan# 293
Delta R.T. 0.003 min
Lab File: VL040067.D
Acq: 22 Dec 2022 14:30

Tgt Ion:101 Resp: 36016
Ion Ratio Lower Upper
101 100
103 64.3 51.7 77.5





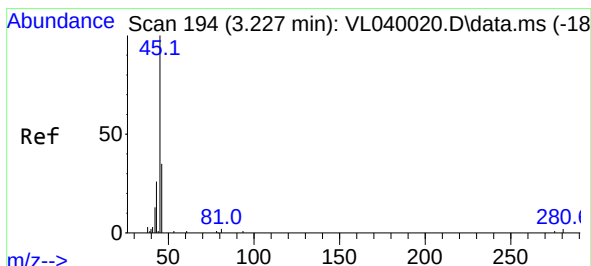
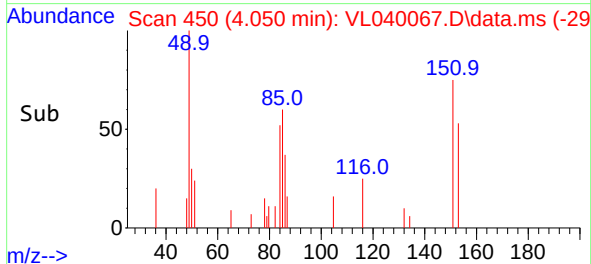
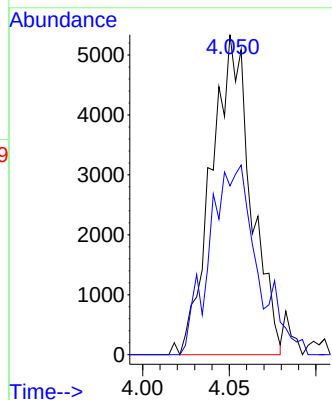
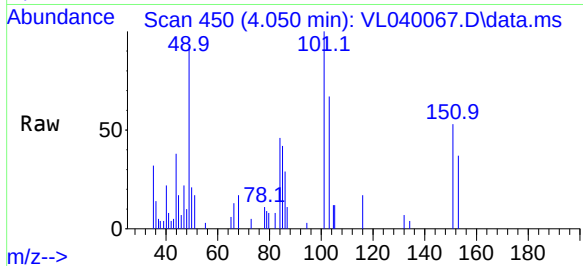
#12
1,1,2-Trichlorotrifluoroethane
Concen: 0.062 ppbv
RT: 4.050 min Scan# 41
Delta R.T. 0.003 min
Lab File: VL040067.D
Acq: 22 Dec 2022 14:30

Instrument :
MSVOA_L
ClientSampleId :
OA1

Tgt Ion:101 Resp: 8490
Ion Ratio Lower Upper
101 100
151 71.8 55.0 82.4

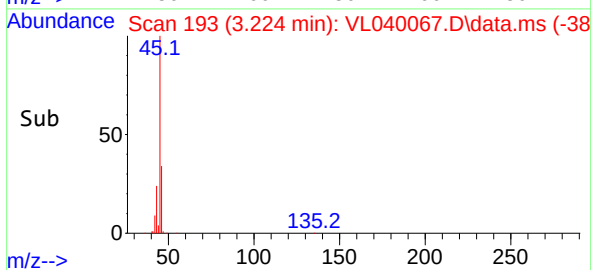
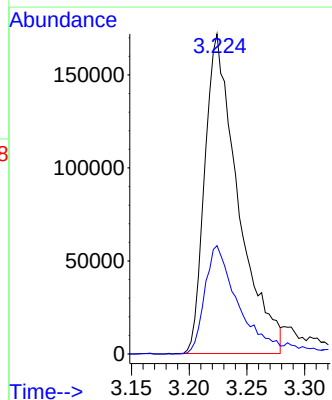
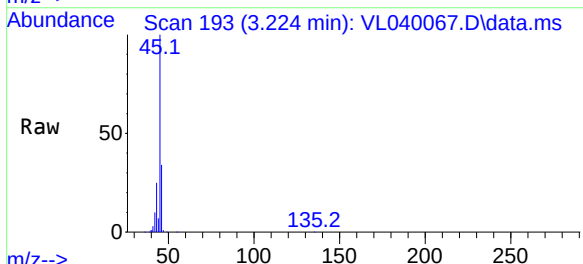
Manual Integrations
APPROVED

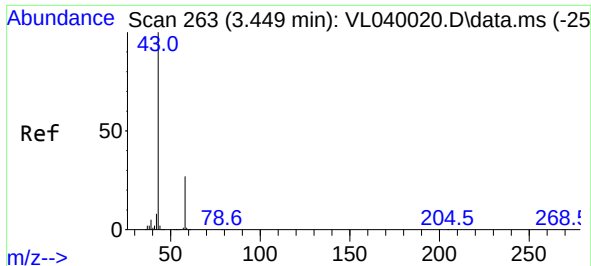
Reviewed By :Semsettin Yesilyurt 12/23/2022
Supervised By :Mahesh Dadoda 12/27/2022



#13
Ethanol
Concen: 65.301 ppbv
RT: 3.224 min Scan# 193
Delta R.T. -0.003 min
Lab File: VL040067.D
Acq: 22 Dec 2022 14:30

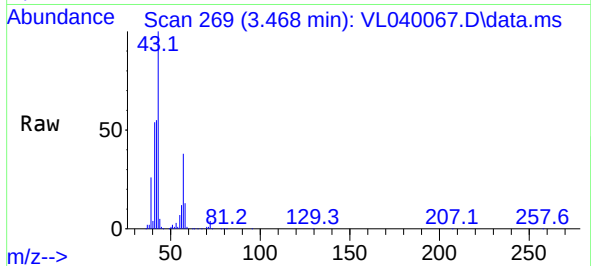
Tgt Ion: 45 Resp: 344337
Ion Ratio Lower Upper
45 100
46 37.7 13.7 54.7





#15
Acetone
Concen: 3.317 ppbv m
RT: 3.468 min Scan# 20
Delta R.T. 0.019 min
Lab File: VL040067.D
Acq: 22 Dec 2022 14:30

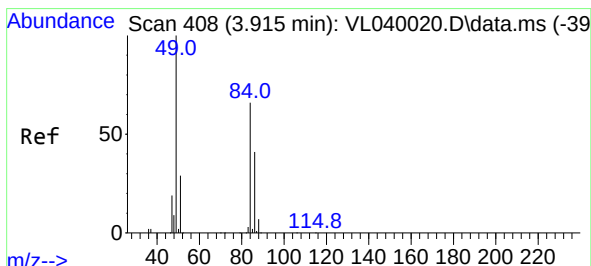
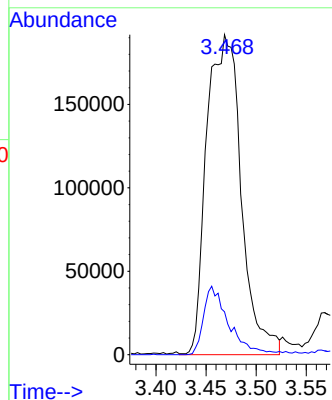
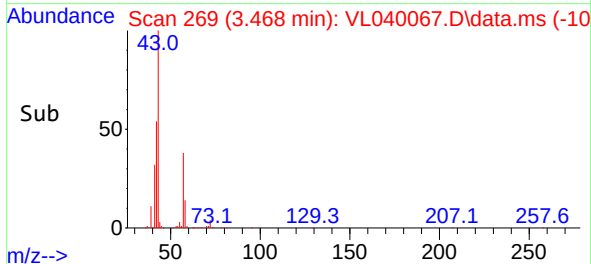
Instrument :
MSVOA_L
ClientSampleId :
OA1



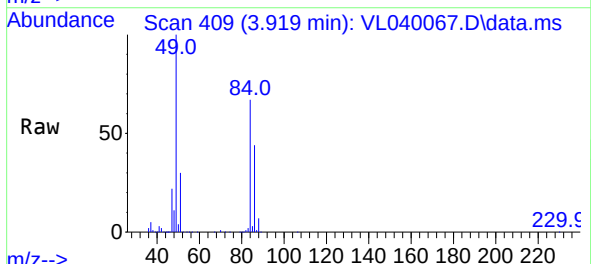
Tgt Ion: 43 Resp: 459109
Ion Ratio Lower Upper
43 100
58 15.8 21.8 32.8

Manual Integrations
APPROVED

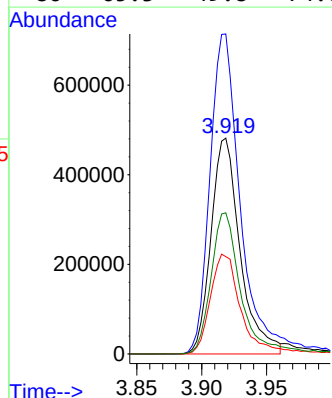
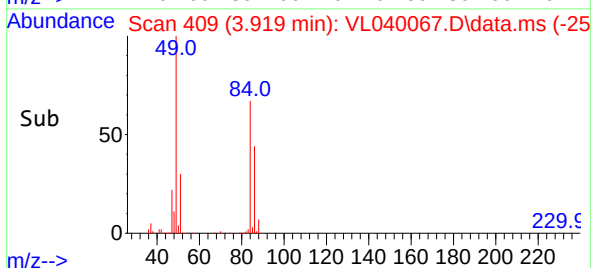
Reviewed By :Semsettin Yesilyurt 12/23/2022
Supervised By :Mahesh Dadoda 12/27/2022

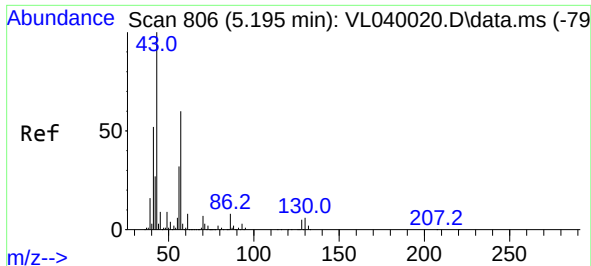


#20
Methylene Chloride
Concen: 12.780 ppbv
RT: 3.919 min Scan# 409
Delta R.T. 0.003 min
Lab File: VL040067.D
Acq: 22 Dec 2022 14:30



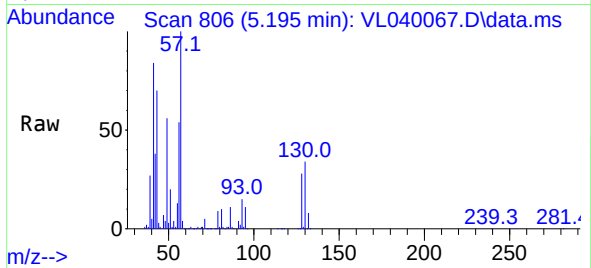
Tgt Ion: 84 Resp: 751917
Ion Ratio Lower Upper
84 100
49 148.1 120.5 180.7
51 45.0 35.2 52.8
86 65.3 49.8 74.6





#26
Hexane
Concen: 4.040 ppbv
RT: 5.195 min Scan# 806
Delta R.T. 0.000 min
Lab File: VL040067.D
Acq: 22 Dec 2022 14:30

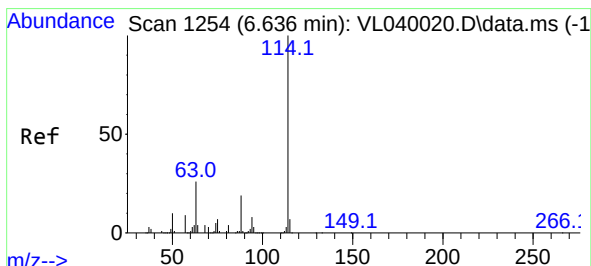
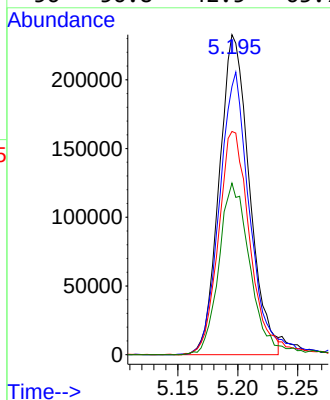
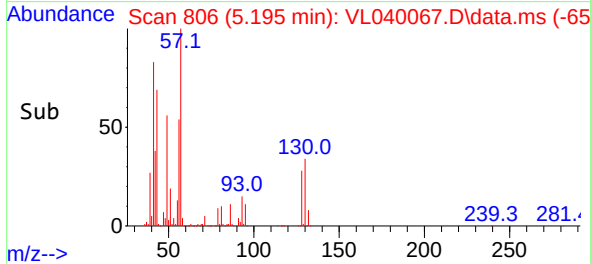
Instrument :
MSVOA_L
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OA1



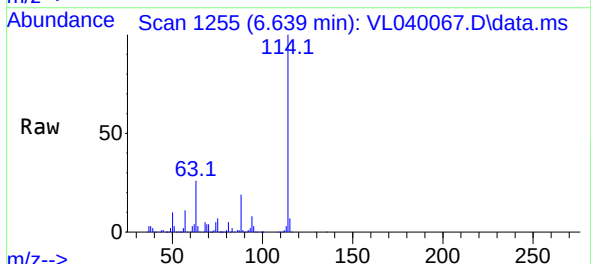
Tgt Ion: 57 Resp: 407040
Ion Ratio Lower Upper
57 100
41 90.5 72.1 108.1
43 74.7 192.1 288.1
56 56.8 42.5 63.7

Manual Integrations
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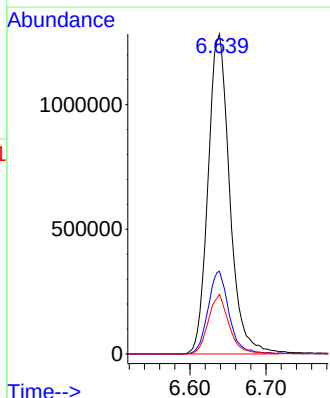
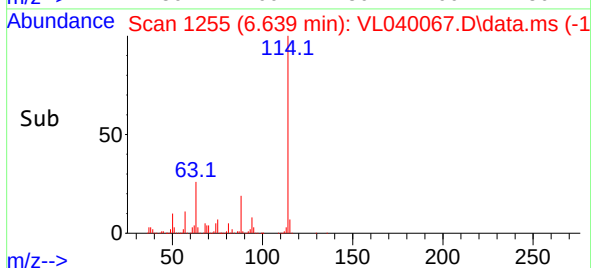
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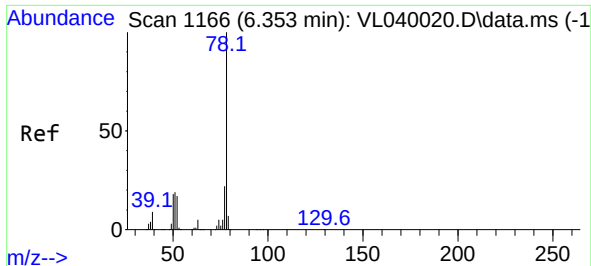


#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 6.639 min Scan# 1255
Delta R.T. 0.003 min
Lab File: VL040067.D
Acq: 22 Dec 2022 14:30



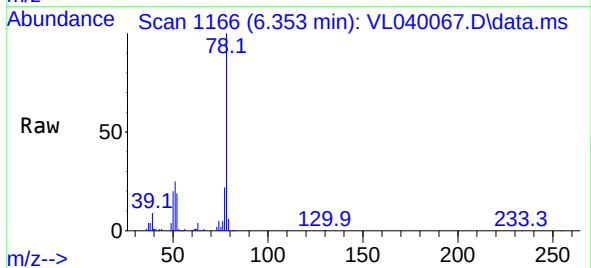
Tgt Ion:114 Resp: 2535437
Ion Ratio Lower Upper
114 100
63 25.4 20.2 30.2
88 17.9 14.6 21.8





#36
Benzene
Concen: 0.786 ppbv
RT: 6.353 min Scan# 1166
Delta R.T. 0.000 min
Lab File: VL040067.D
Acq: 22 Dec 2022 14:30

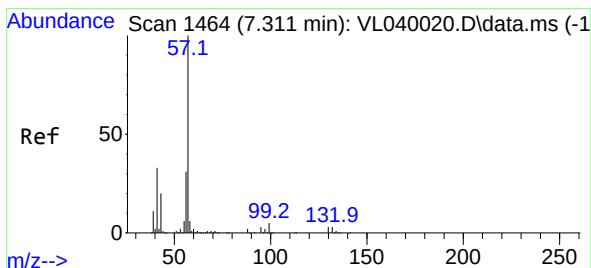
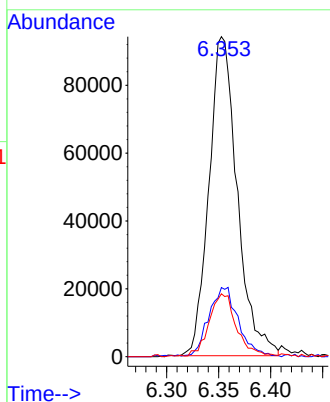
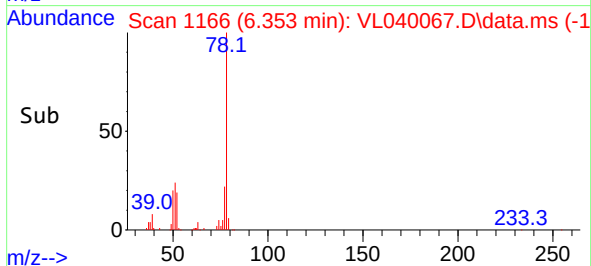
Instrument :
MSVOA_L
ClientSampleId :
OA1



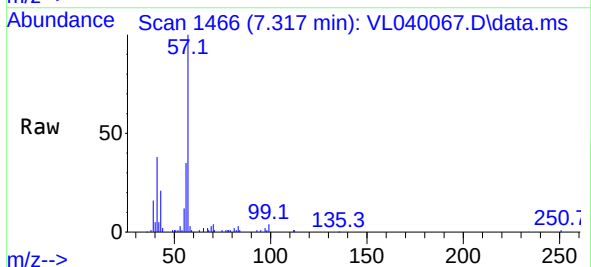
Tgt Ion: 78 Resp: 177978
Ion Ratio Lower Upper
78 100
77 21.3 17.5 26.3
50 19.5 14.2 21.2

Manual Integrations
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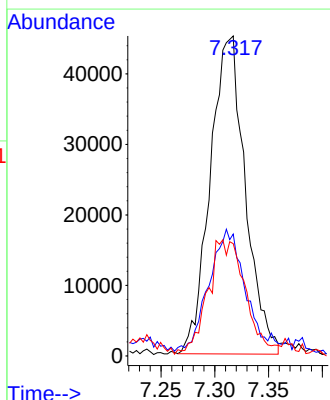
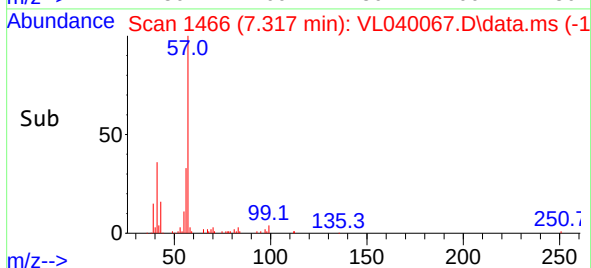
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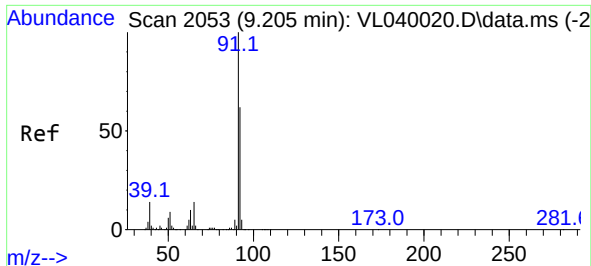


#44
2,2,4-Trimethylpentane
Concen: 0.275 ppbv
RT: 7.317 min Scan# 1466
Delta R.T. 0.006 min
Lab File: VL040067.D
Acq: 22 Dec 2022 14:30



Tgt Ion: 57 Resp: 102558
Ion Ratio Lower Upper
57 100
41 47.4 26.2 39.4#
56 42.3 25.1 37.7#





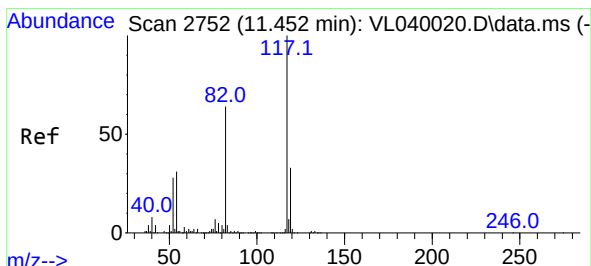
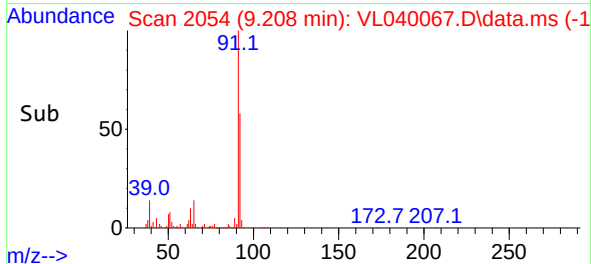
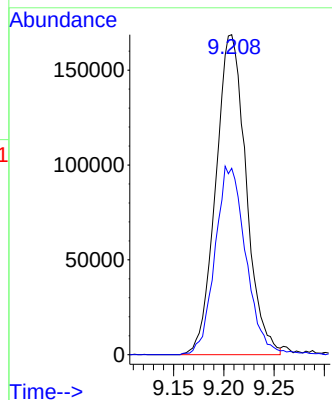
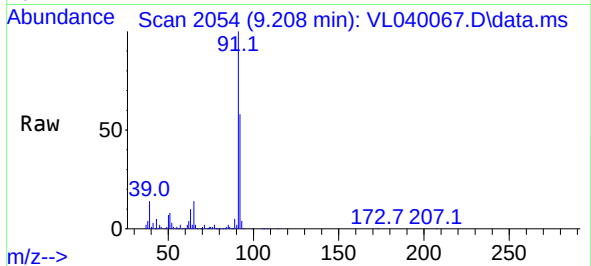
#53
Toluene
Concen: 1.412 ppbv
RT: 9.208 min Scan# 2053
Delta R.T. 0.003 min
Lab File: VL040067.D
Acq: 22 Dec 2022 14:30

Instrument :
MSVOA_1
ClientSampleId :
OA1

Tgt Ion: 91 Resp: 35405
Ion Ratio Lower Upper
91 100
92 60.3 48.7 73.1

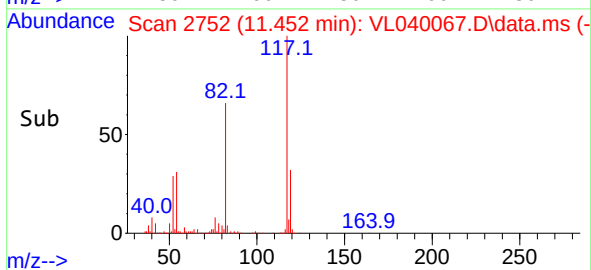
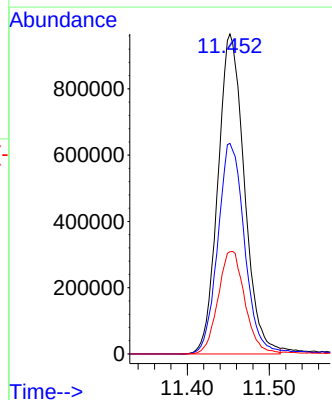
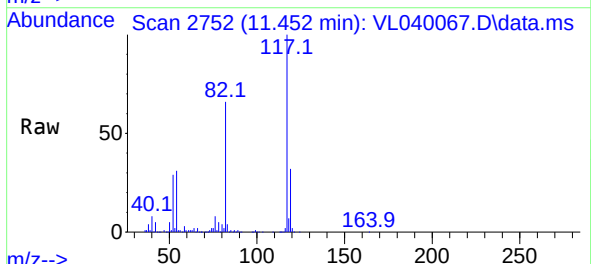
Manual Integrations
APPROVED

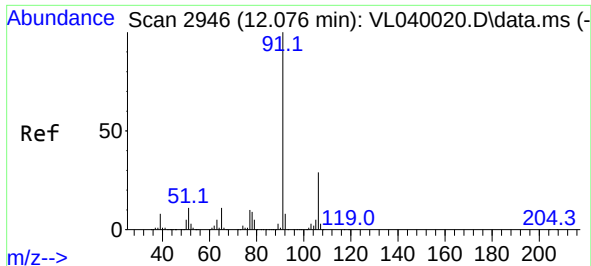
Reviewed By :Semsettin Yesilyurt 12/23/2022
Supervised By :Mahesh Dadoda 12/27/2022



#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.452 min Scan# 2752
Delta R.T. 0.000 min
Lab File: VL040067.D
Acq: 22 Dec 2022 14:30

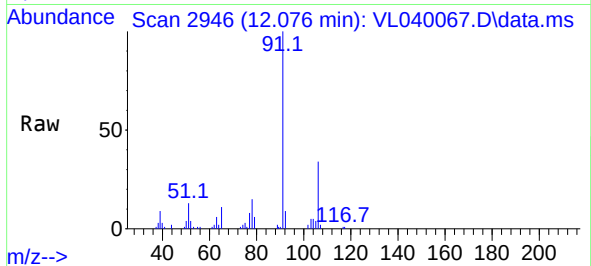
Tgt Ion:117 Resp: 2161238
Ion Ratio Lower Upper
117 100
82 67.7 51.2 76.8
119 33.1 23.2 34.8





#58
Ethyl Benzene
Concen: 0.236 ppbv
RT: 12.076 min Scan# 2946
Delta R.T. 0.000 min
Lab File: VL040067.D
Acq: 22 Dec 2022 14:30

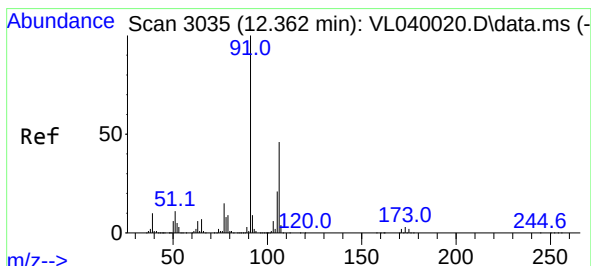
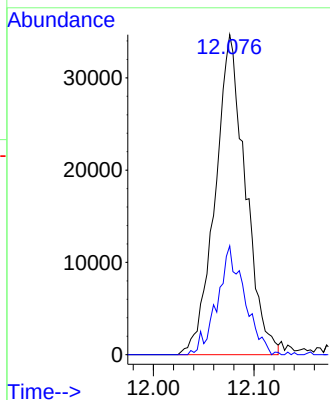
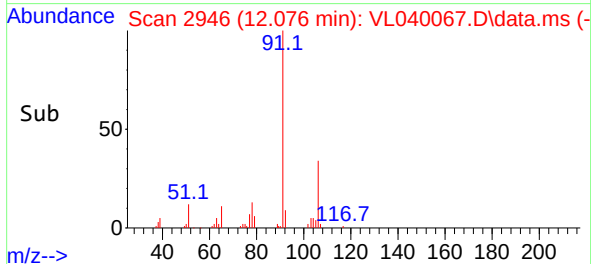
Instrument :
MSVOA_L
ClientSampleId :
OA1



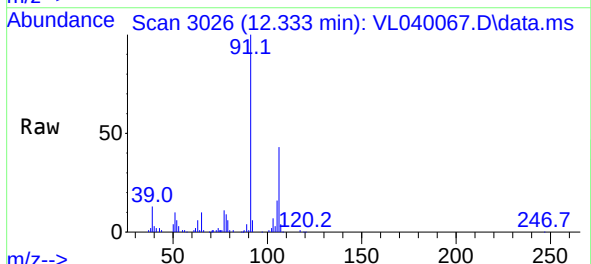
Tgt Ion: 91 Resp: 72470
Ion Ratio Lower Upper
91 100
106 34.0 23.5 35.3

Manual Integrations
APPROVED

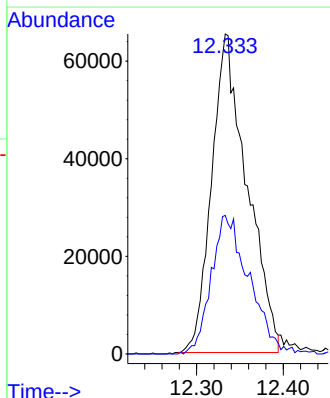
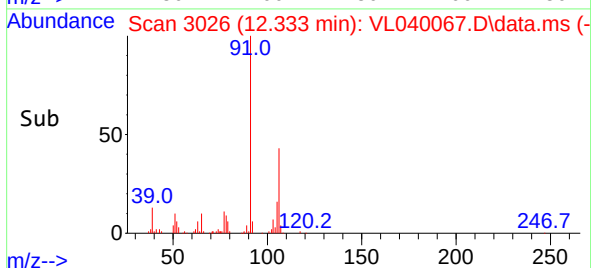
Reviewed By :Semsettin Yesilyurt 12/23/2022
Supervised By :Mahesh Dadoda 12/27/2022

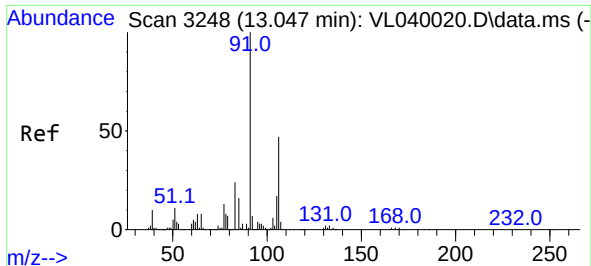


#59
m/p-Xylene
Concen: 0.692 ppbv
RT: 12.333 min Scan# 3026
Delta R.T. -0.029 min
Lab File: VL040067.D
Acq: 22 Dec 2022 14:30



Tgt Ion: 91 Resp: 185165
Ion Ratio Lower Upper
91 100
106 46.9 35.5 53.3





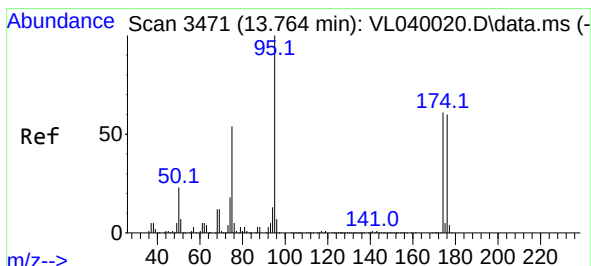
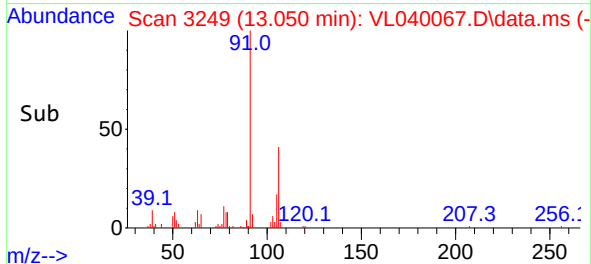
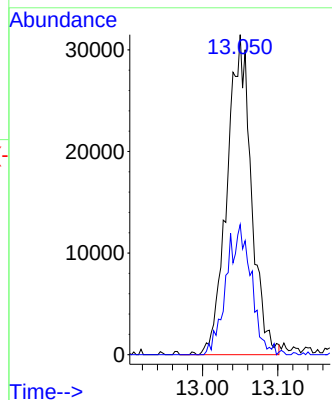
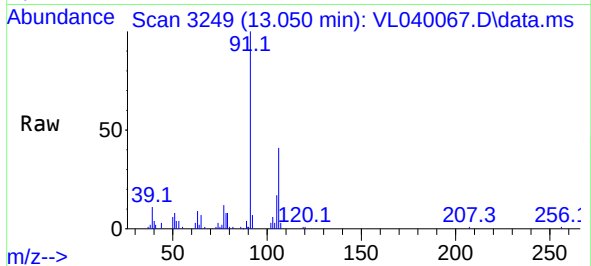
#60
o-Xylene
Concen: 0.275 ppbv m
RT: 13.050 min Scan# 31
Delta R.T. 0.003 min
Lab File: VL040067.D
Acq: 22 Dec 2022 14:30

Instrument :
MSVOA_L
ClientSampleId :
OA1

Tgt Ion: 91 Resp: 70539
Ion Ratio Lower Upper
91 100
106 41.9 22.4 67.0

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 12/23/2022
Supervised By :Mahesh Dadoda 12/27/2022



#68
1-Bromo-4-Fluorobenzene
Concen: 10.114 ppbv
RT: 13.764 min Scan# 3471
Delta R.T. 0.000 min
Lab File: VL040067.D
Acq: 22 Dec 2022 14:30

Tgt Ion: 95 Resp: 1669804
Ion Ratio Lower Upper
95 100
174 59.6 48.6 73.0
175 4.4 3.4 5.2

