

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL011524\
 Data File : VL040979.D
 Acq On : 15 Jan 2024 20:47
 Operator : SY/MD
 Sample : P1138-01 4X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SV1

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 01/16/2024
 Supervised By :Mahesh Dadoda 01/16/2024

Quant Time: Jan 16 12:44:31 2024

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL122023AIR.M

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

QLast Update : Tue Jan 16 03:31:29 2024

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.195	49	1276256	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.648	114	3293659	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.449	117	2980603	10.000	ppbv	0.01

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 13.757 95 2286682 10.415 ppbv 0.02
 Spiked Amount 10.000 Range 65 - 135 Recovery = 104.200%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.748	85	29962	0.123	ppbv	91
9) Propene	2.716	41	176418	2.784	ppbv	88
10) Heptane	7.568	43	173106	1.099	ppbv	98
11) Trichlorofluoromethane	3.581	101	17763	0.093	ppbv	88
12) 1,1,2-Trichlorotrifluo...	4.086	101	15327m	0.104	ppbv	
13) Ethanol	3.262	45	28447m	1.779	ppbv	
15) Acetone	3.484	43	1616756	10.562	ppbv	93
20) Methylene Chloride	3.947	84	193918	3.554	ppbv	98
26) Hexane	5.217	57	377659	3.213	ppbv #	38
27) Carbon Disulfide	4.131	76	15579m	0.098	ppbv	
29) Chloroform	5.278	83	75930	0.383	ppbv	95
30) Cyclohexane	6.600	84	30676m	0.313	ppbv	
32) 1,1,1-Trichloroethane	6.002	97	375044	1.956	ppbv	100
34) 2-Butanone	4.787	43	3120593	17.911	ppbv	98
36) Benzene	6.365	78	56344	0.219	ppbv #	89
38) Trichloroethene	7.282	130	588202	6.082	ppbv	96
51) 2-Hexanone	9.545	43	264444	1.392	ppbv #	99
52) Tetrachloroethene	10.593	164	18504m	0.213	ppbv	
53) Toluene	9.211	91	276564	0.969	ppbv	97
58) Ethyl Benzene	12.069	91	184696	0.482	ppbv	94
59) m/p-Xylene	12.326	91	643598	1.976	ppbv #	100
60) o-Xylene	13.037	91	271101	0.884	ppbv	100
62) Isopropylbenzene	14.014	105	73111m	0.161	ppbv	
72) 4-Ethyltoluene	15.172	105	155790	0.463	ppbv #	97
73) 1,3,5-Trimethylbenzene	15.333	105	185929m	0.640	ppbv	
74) 1,2,4-Trimethylbenzene	16.088	105	447881	1.385	ppbv #	67

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

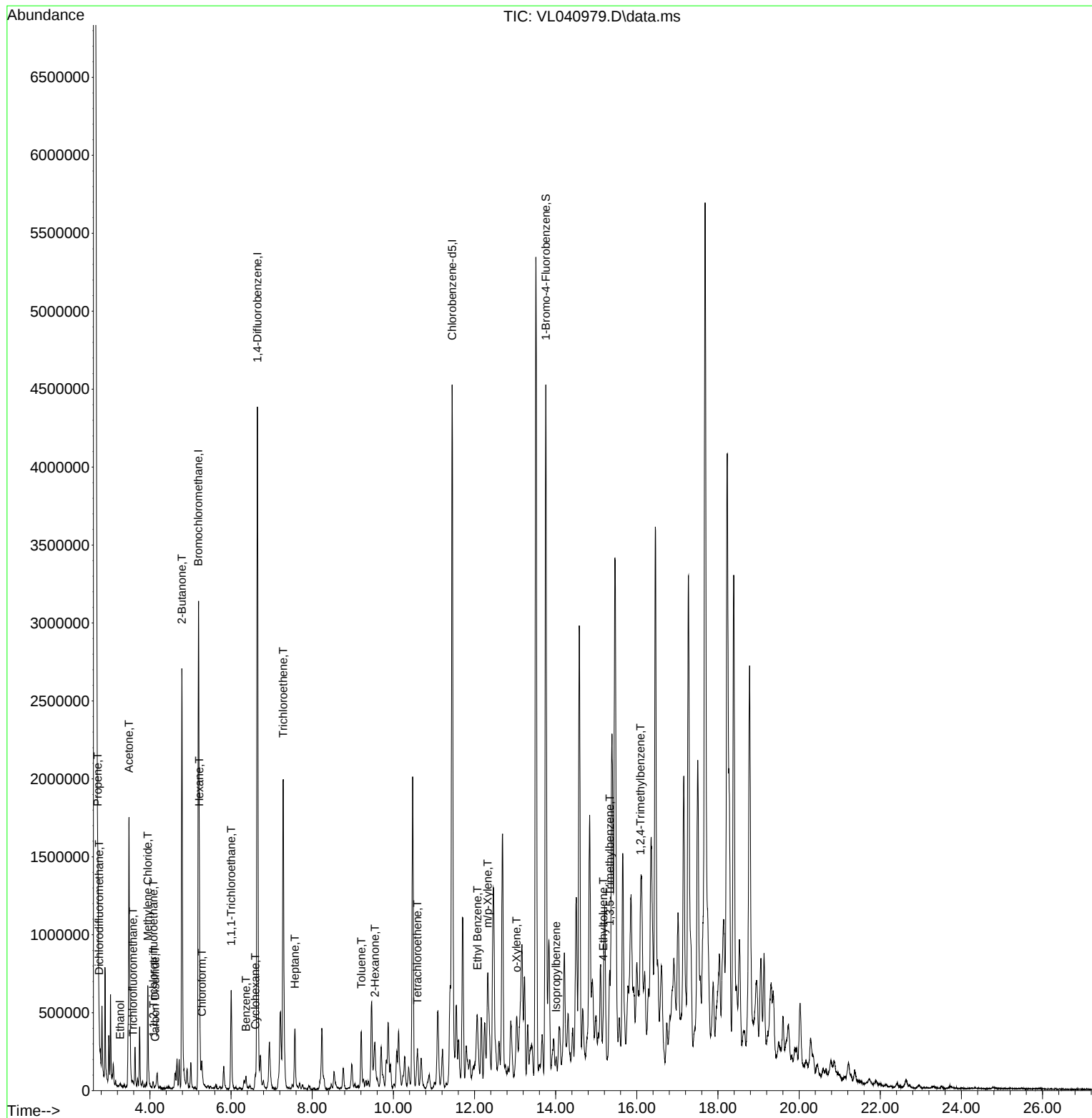
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL011524\
Data File : VL040979.D
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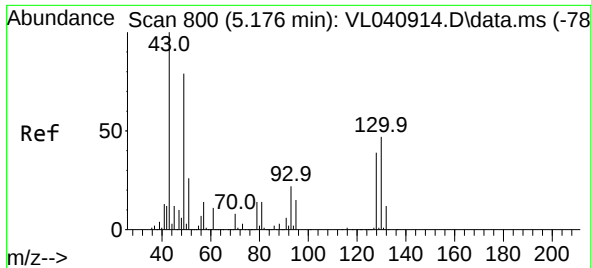
Instrument :
MSVOA_L
ClientSampleId :
SV1

Quant Time: Jan 16 12:44:31 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL122023AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug
QLast Update : Tue Jan 16 03:31:29 2024
Response via : Initial Calibration

Manual Integrations
APPROVED

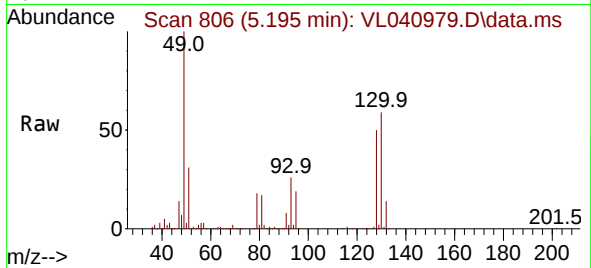
Reviewed By : Semsettin Yesilyurt 01/16/2024
Supervised By : Mahesh Dadoda 01/16/2024





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.195 min Scan# 80
Delta R.T. -0.000 min
Lab File: VL040979.D
Acq: 15 Jan 2024 20:47

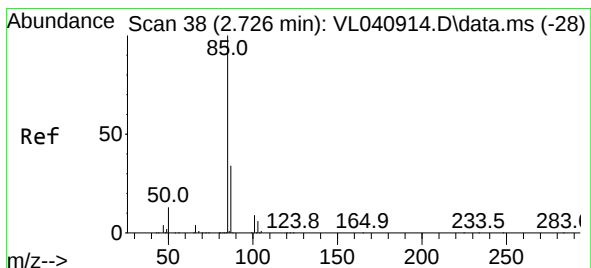
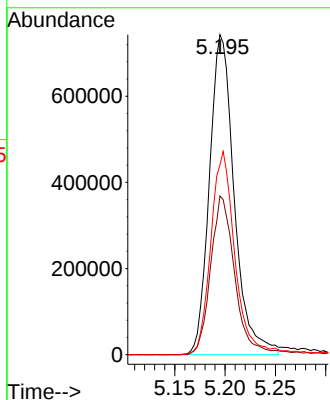
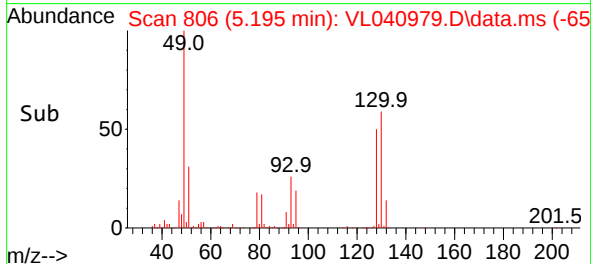
Instrument :
MSVOA_L
ClientSampleId :
SV1



Tgt Ion: 49 Resp: 127625
Ion Ratio Lower Upper
49 100
128 49.5 23.8 71.2
130 63.3 30.1 90.5

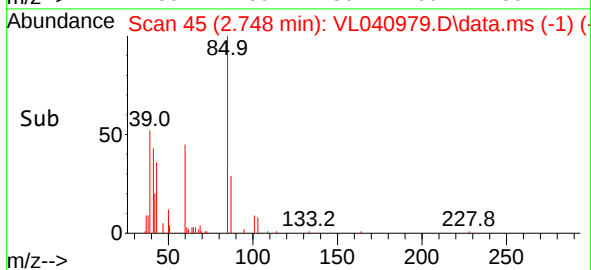
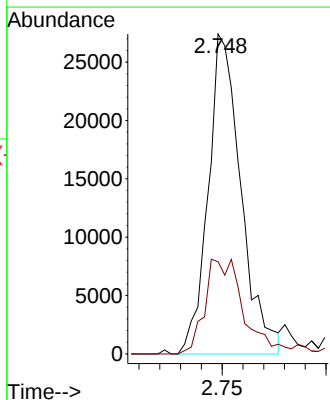
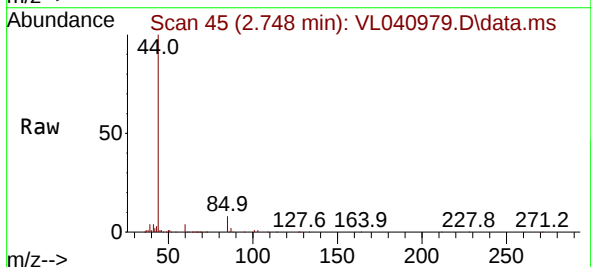
Manual Integrations
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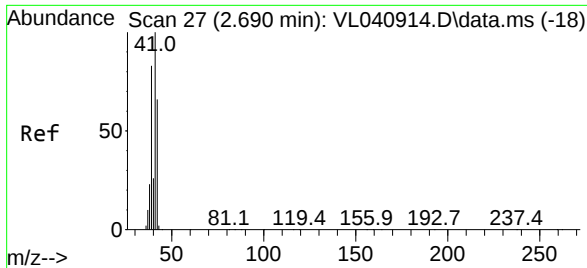
Reviewed By :Semsettin Yesilyurt 01/16/2024
Supervised By :Mahesh Dadoda 01/16/2024



#2
Dichlorodifluoromethane
Concen: 0.123 ppbv
RT: 2.748 min Scan# 45
Delta R.T. -0.023 min
Lab File: VL040979.D
Acq: 15 Jan 2024 20:47

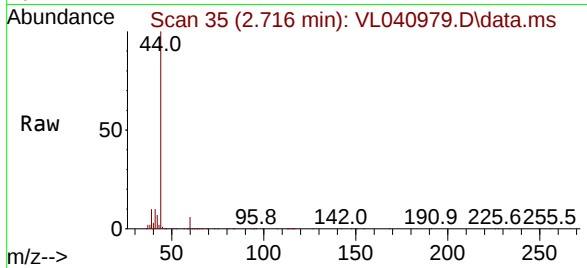
Tgt Ion: 85 Resp: 29962
Ion Ratio Lower Upper
85 100
87 28.9 27.0 40.6





#9
 Propene
 Concen: 2.784 ppbv
 RT: 2.716 min Scan# 31
 Delta R.T. -0.019 min
 Lab File: VL040979.D
 Acq: 15 Jan 2024 20:47

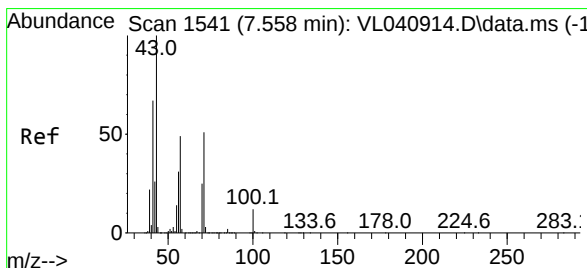
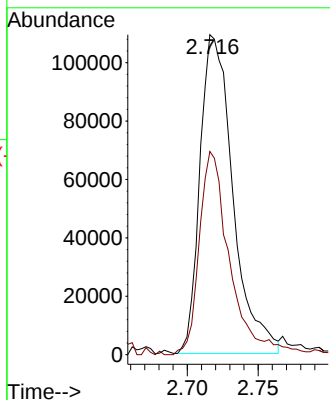
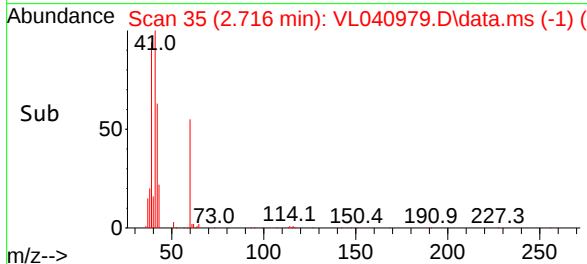
Instrument :
 MSVOA_L
 ClientSampleId :
 SV1



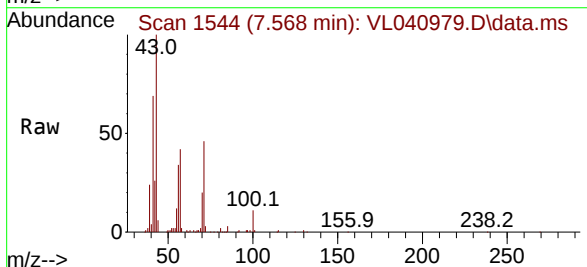
Tgt Ion: 41 Resp: 176418
 Ion Ratio Lower Upper
 41 100
 42 60.1 55.8 83.6

Manual Integrations
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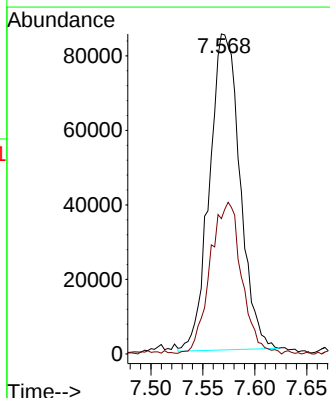
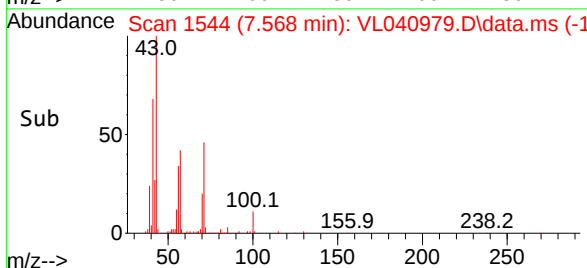
Reviewed By :Semsettin Yesilyurt 01/16/2024
 Supervised By :Mahesh Dadoda 01/16/2024

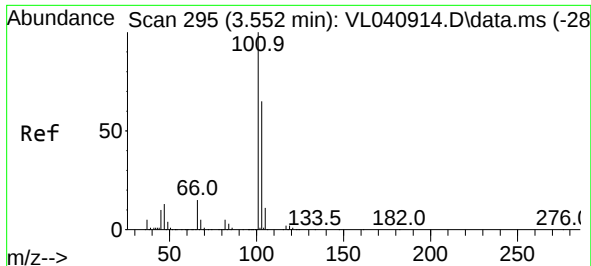


#10
 Heptane
 Concen: 1.099 ppbv
 RT: 7.568 min Scan# 1544
 Delta R.T. 0.003 min
 Lab File: VL040979.D
 Acq: 15 Jan 2024 20:47



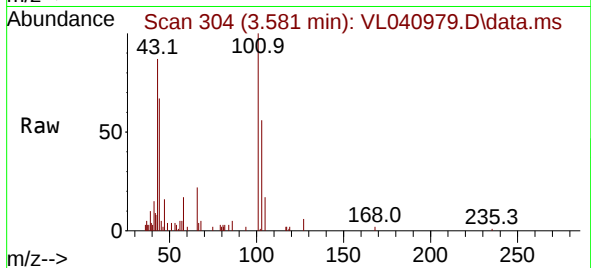
Tgt Ion: 43 Resp: 173106
 Ion Ratio Lower Upper
 43 100
 57 50.3 39.3 58.9





#11
Trichlorofluoromethane
Concen: 0.093 ppbv
RT: 3.581 min Scan# 304
Delta R.T. -0.007 min
Lab File: VL040979.D
Acq: 15 Jan 2024 20:47

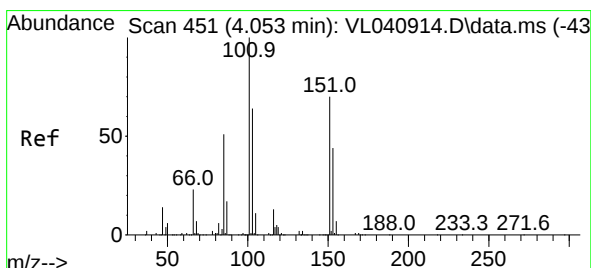
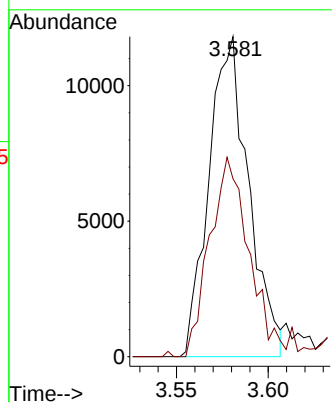
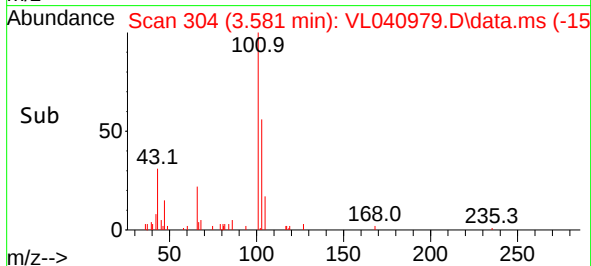
Instrument :
MSVOA_L
ClientSampleId :
SV1



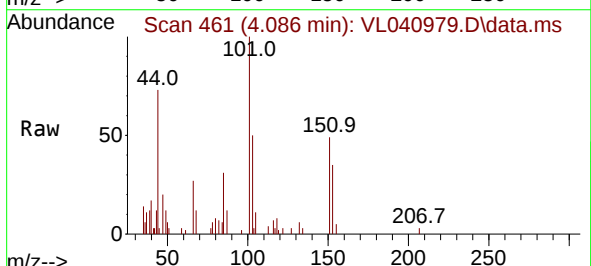
Tgt Ion:101 Resp: 1776
Ion Ratio Lower Upper
101 100
103 55.6 51.9 77.9

Manual Integrations
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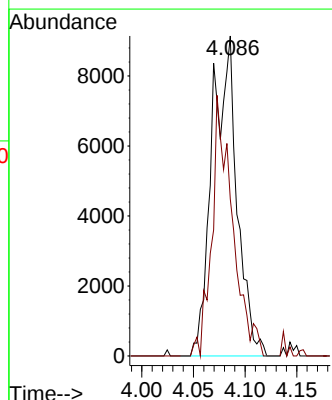
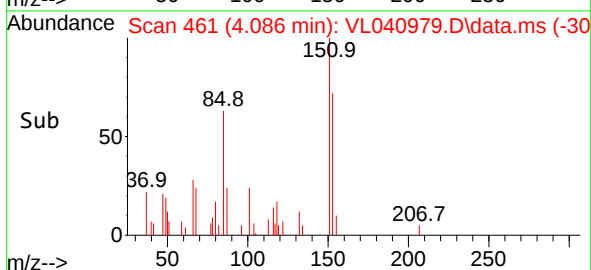
Reviewed By :Semsettin Yesilyurt 01/16/2024
Supervised By :Mahesh Dadoda 01/16/2024

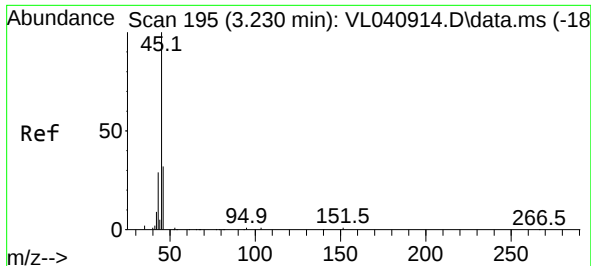


#12
1,1,2-Trichlorotrifluoroethane
Concen: 0.104 ppbv m
RT: 4.086 min Scan# 461
Delta R.T. 0.003 min
Lab File: VL040979.D
Acq: 15 Jan 2024 20:47



Tgt Ion:101 Resp: 15327
Ion Ratio Lower Upper
101 100
151 0.0 55.8 83.8#





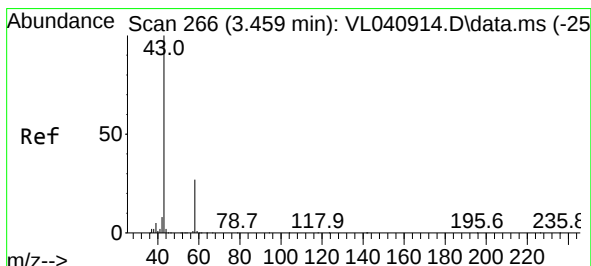
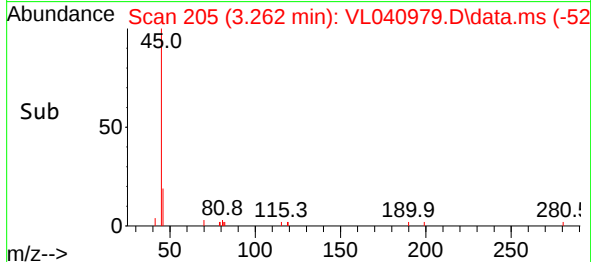
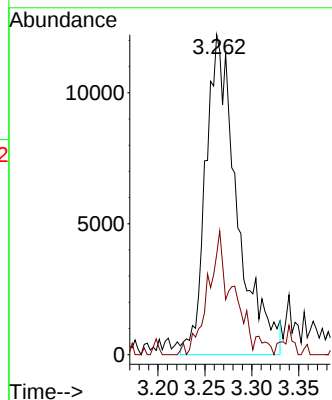
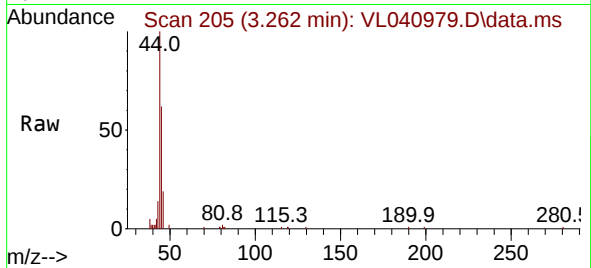
#13
Ethanol
Concen: 1.779 ppbv m
RT: 3.262 min Scan# 205
Delta R.T. -0.007 min
Lab File: VL040979.D
Acq: 15 Jan 2024 20:47

Instrument :
MSVOA_L
ClientSampleId :
SV1

Tgt Ion: 45 Resp: 2844
Ion Ratio Lower Upper
45 100
46 32.0 15.0 60.0

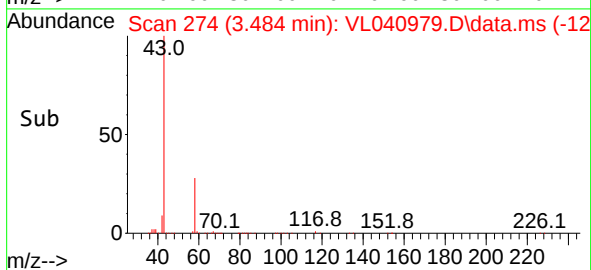
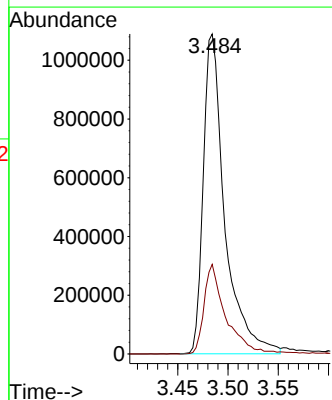
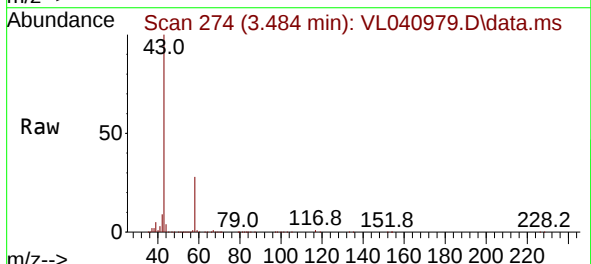
Manual Integrations
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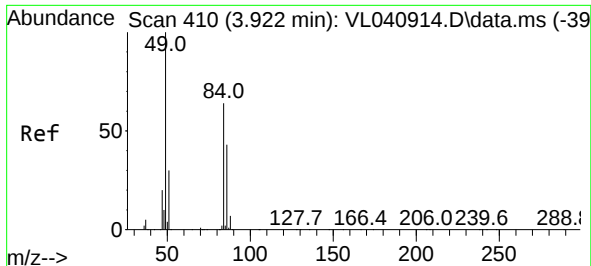
Reviewed By :Semsettin Yesilyurt 01/16/2024
Supervised By :Mahesh Dadoda 01/16/2024



#15
Acetone
Concen: 10.562 ppbv
RT: 3.484 min Scan# 274
Delta R.T. -0.010 min
Lab File: VL040979.D
Acq: 15 Jan 2024 20:47

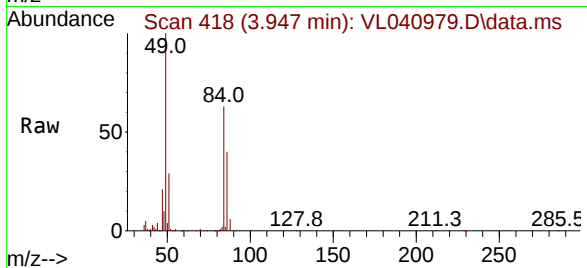
Tgt Ion: 43 Resp: 1616756
Ion Ratio Lower Upper
43 100
58 29.3 20.6 30.8





#20
Methylene Chloride
Concen: 3.554 ppbv
RT: 3.947 min Scan# 410
Delta R.T. -0.003 min
Lab File: VL040979.D
Acq: 15 Jan 2024 20:47

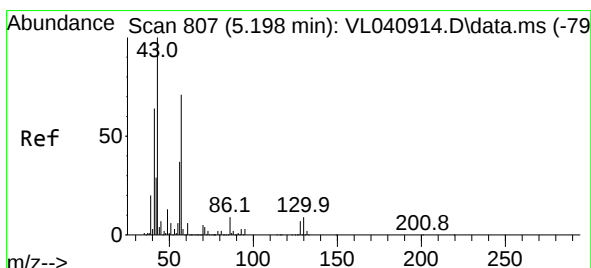
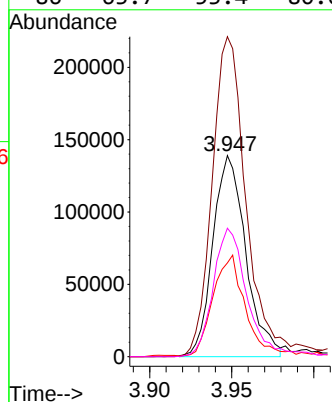
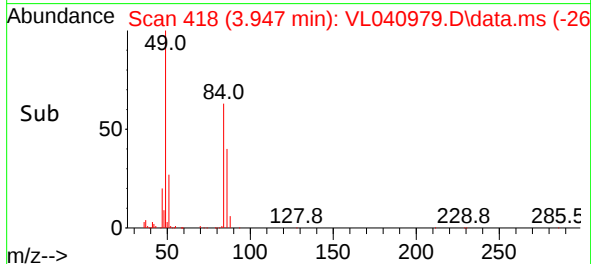
Instrument :
MSVOA_L
ClientSampleId :
SV1



Tgt Ion: 84 Resp: 193918
Ion Ratio Lower Upper
84 100
49 158.5 124.6 187.0
51 46.5 37.2 55.8
86 63.7 53.4 80.0

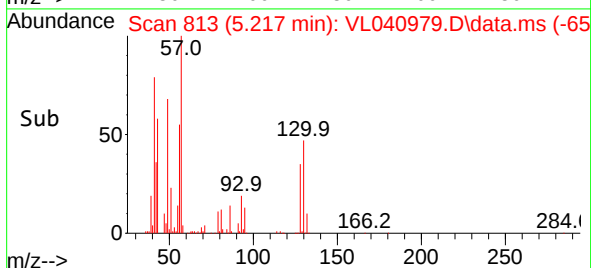
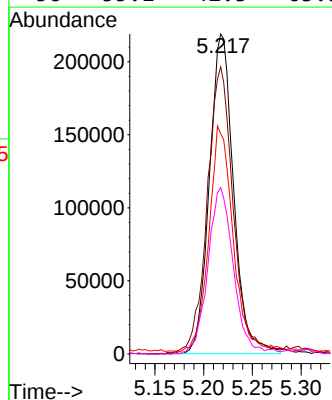
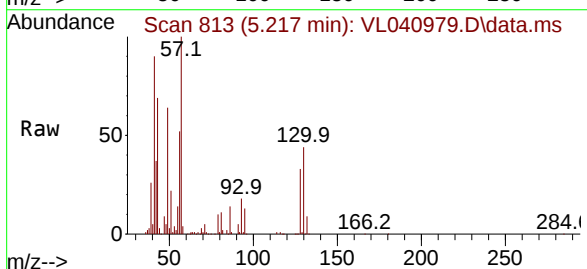
Manual Integrations
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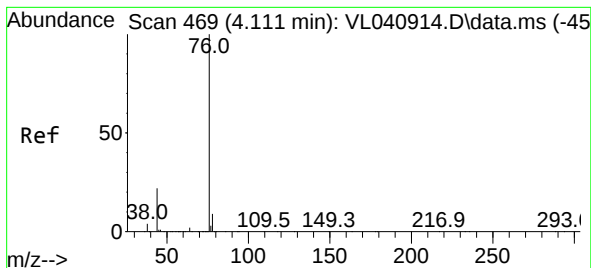
Reviewed By :Semsettin Yesilyurt 01/16/2024
Supervised By :Mahesh Dadoda 01/16/2024



#26
Hexane
Concen: 3.213 ppbv
RT: 5.217 min Scan# 813
Delta R.T. 0.003 min
Lab File: VL040979.D
Acq: 15 Jan 2024 20:47

Tgt Ion: 57 Resp: 377659
Ion Ratio Lower Upper
57 100
41 97.0 75.2 112.8
43 70.6 188.0 282.0#
56 55.1 42.3 63.5





#27

Carbon Disulfide

Concen: 0.098 ppbv

RT: 4.131 min Scan# 41

Delta R.T. -0.010 min

Lab File: VL040979.D

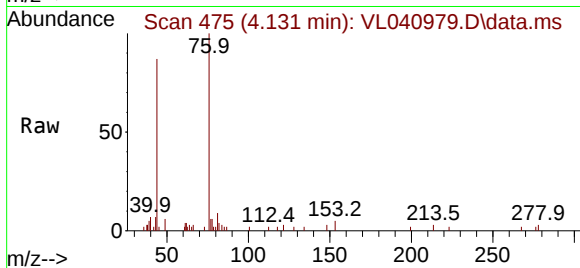
Acq: 15 Jan 2024 20:47

Instrument :

MSVOA_L

ClientSampleId :

SV1

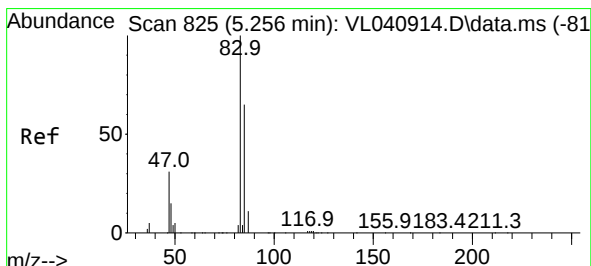
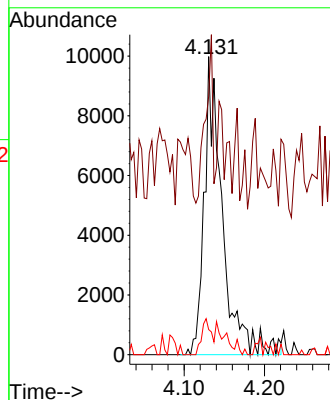
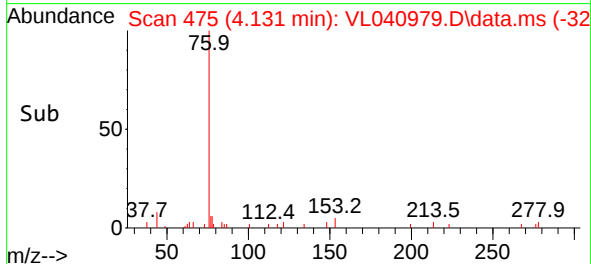


Tgt Ion: 76	Resp: 15579
Ion Ratio	Lower Upper
76 100	
44 68.2	18.4 27.6
78 0.0	7.9 11.9

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 01/16/2024
Supervised By :Mahesh Dadoda 01/16/2024



#29

Chloroform

Concen: 0.383 ppbv

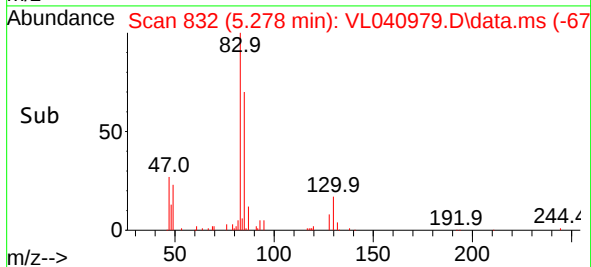
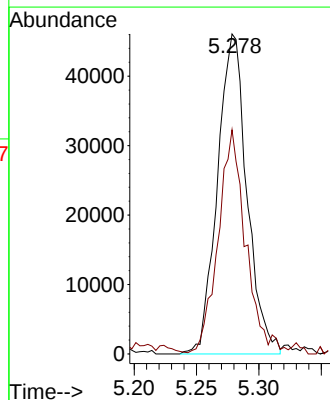
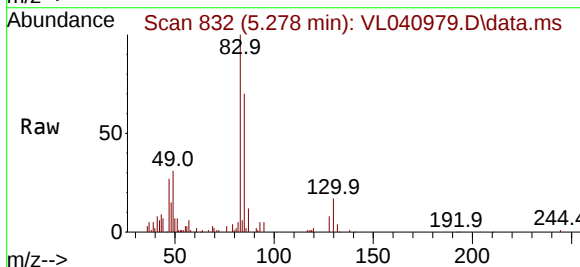
RT: 5.278 min Scan# 832

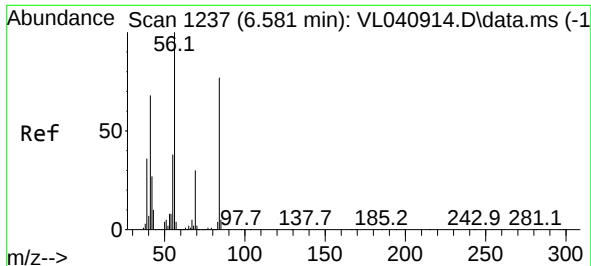
Delta R.T. 0.003 min

Lab File: VL040979.D

Acq: 15 Jan 2024 20:47

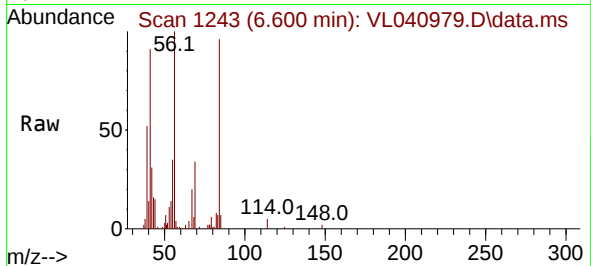
Tgt Ion: 83	Resp: 75930
Ion Ratio	Lower Upper
83 100	
85 69.2	52.3 78.5





#30
Cyclohexane
Concen: 0.313 ppbv m
RT: 6.600 min Scan# 11
Delta R.T. 0.006 min
Lab File: VL040979.D
Acq: 15 Jan 2024 20:47

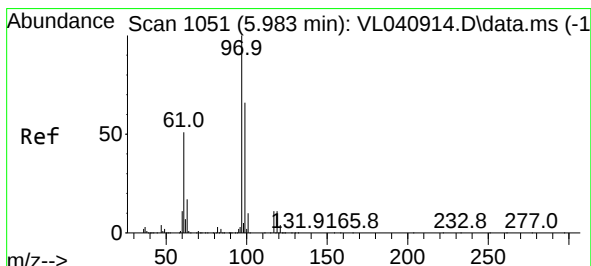
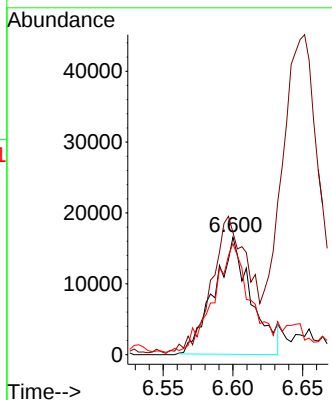
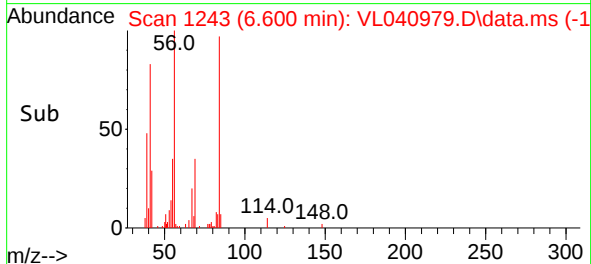
Instrument :
MSVOA_L
ClientSampleId :
SV1



Tgt Ion: 84 Resp: 30670
Ion Ratio Lower Upper
84 100
56 0.0 111.4 167.2
41 0.0 70.0 105.0

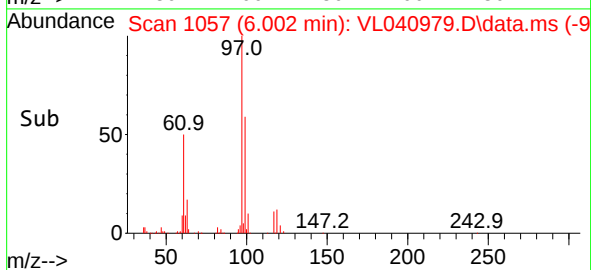
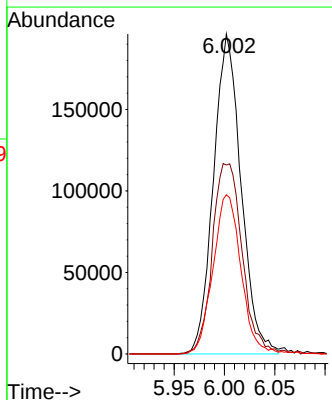
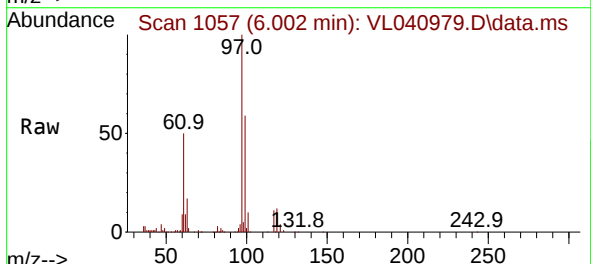
Manual Integrations
APPROVED

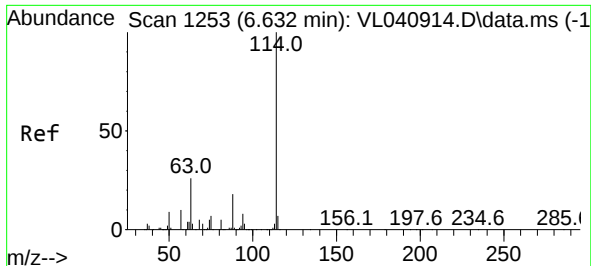
Reviewed By :Semsettin Yesilyurt 01/16/2024
Supervised By :Mahesh Dadoda 01/16/2024



#32
1,1,1-Trichloroethane
Concen: 1.956 ppbv
RT: 6.002 min Scan# 1057
Delta R.T. 0.003 min
Lab File: VL040979.D
Acq: 15 Jan 2024 20:47

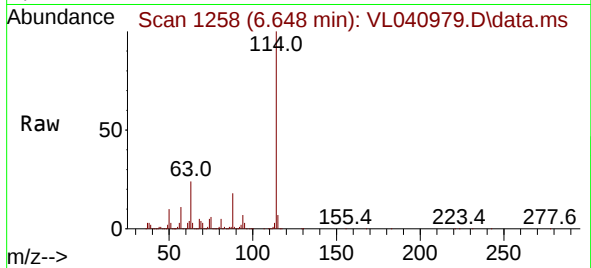
Tgt Ion: 97 Resp: 375044
Ion Ratio Lower Upper
97 100
99 64.7 51.8 77.6
61 50.7 41.0 61.6





#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 6.648 min Scan# 114
Delta R.T. 0.006 min
Lab File: VL040979.D
Acq: 15 Jan 2024 20:47

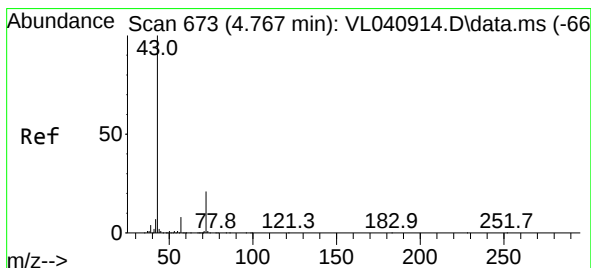
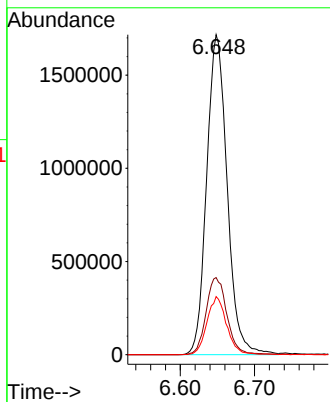
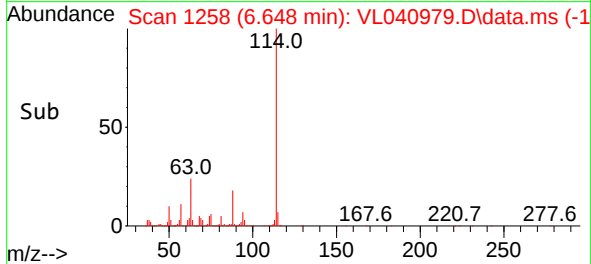
Instrument :
MSVOA_L
ClientSampleId :
SV1



Tgt Ion:114 Resp: 3293659
Ion Ratio Lower Upper
114 100
63 24.6 21.0 31.6
88 17.5 14.3 21.5

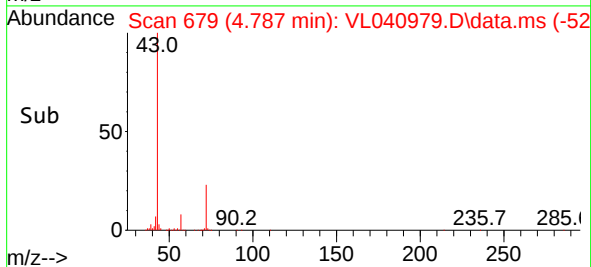
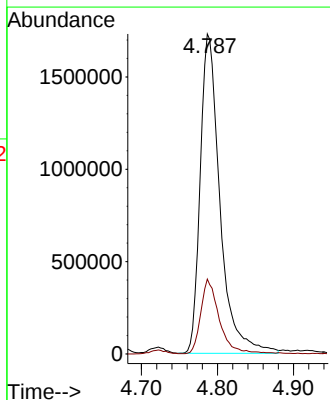
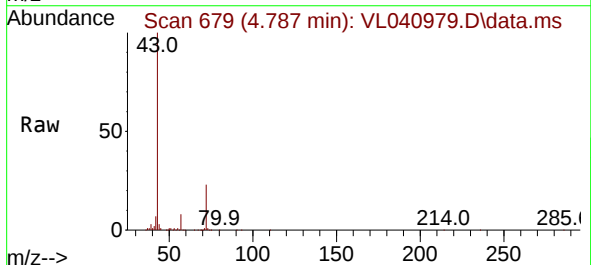
Manual Integrations
APPROVED

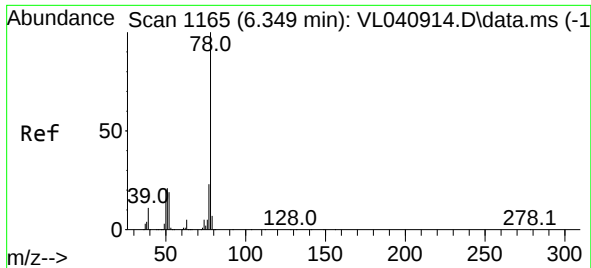
Reviewed By :Semsettin Yesilyurt 01/16/2024
Supervised By :Mahesh Dadoda 01/16/2024



#34
2-Butanone
Concen: 17.911 ppbv
RT: 4.787 min Scan# 679
Delta R.T. -0.007 min
Lab File: VL040979.D
Acq: 15 Jan 2024 20:47

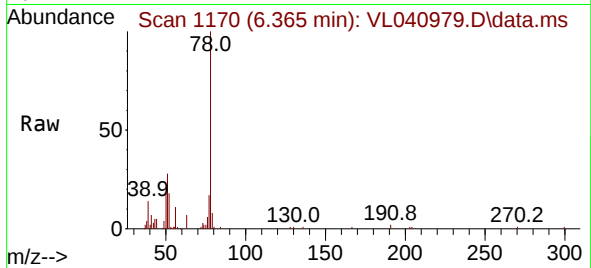
Tgt Ion: 43 Resp: 3120593
Ion Ratio Lower Upper
43 100
72 22.3 17.2 25.8





#36
Benzene
Concen: 0.219 ppbv
RT: 6.365 min Scan# 1165
Delta R.T. 0.003 min
Lab File: VL040979.D
Acq: 15 Jan 2024 20:47

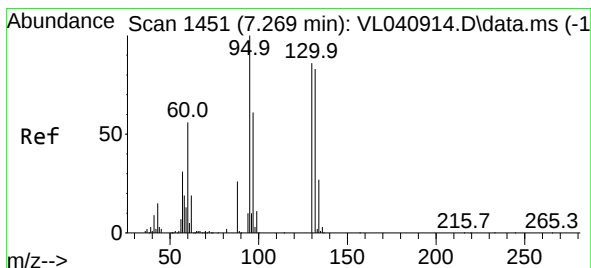
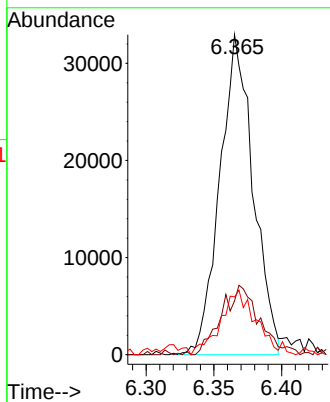
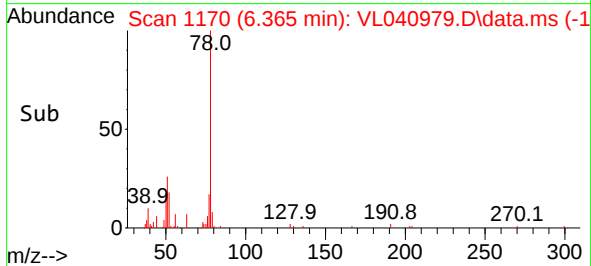
Instrument :
MSVOA_L
ClientSampleId :
SV1



Tgt Ion: 78 Resp: 56344
Ion Ratio Lower Upper
78 100
77 16.4 18.4 27.6
50 16.7 16.0 24.0

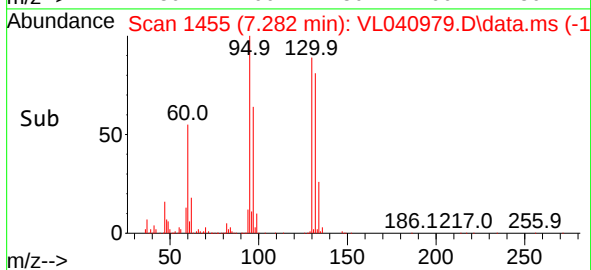
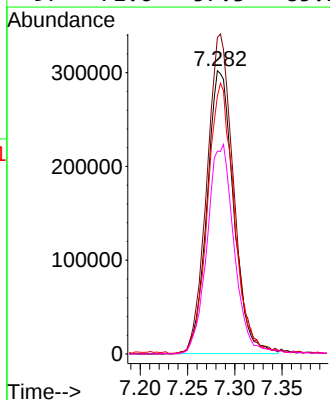
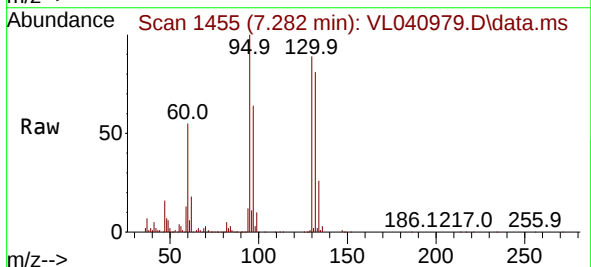
Manual Integrations
APPROVED

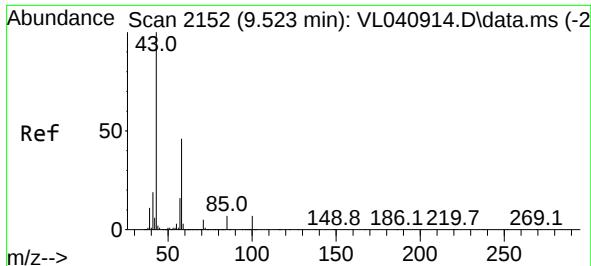
Reviewed By :Semsettin Yesilyurt 01/16/2024
Supervised By :Mahesh Dadoda 01/16/2024



#38
Trichloroethene
Concen: 6.082 ppbv
RT: 7.282 min Scan# 1455
Delta R.T. 0.003 min
Lab File: VL040979.D
Acq: 15 Jan 2024 20:47

Tgt Ion:130 Resp: 588202
Ion Ratio Lower Upper
130 100
95 111.6 93.5 140.3
132 90.6 77.4 116.2
97 71.6 57.3 85.9





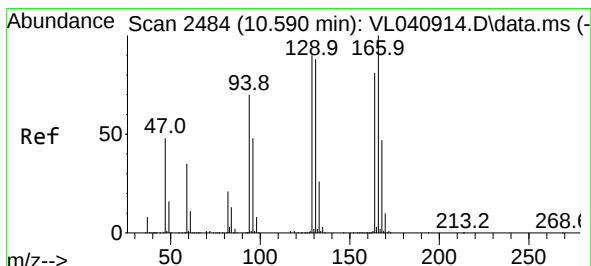
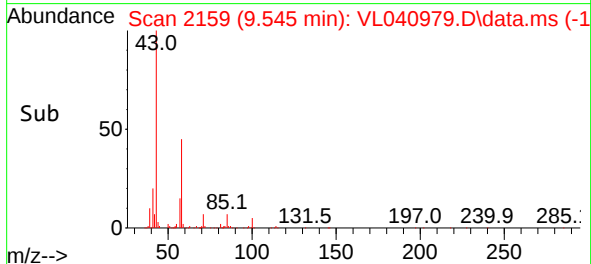
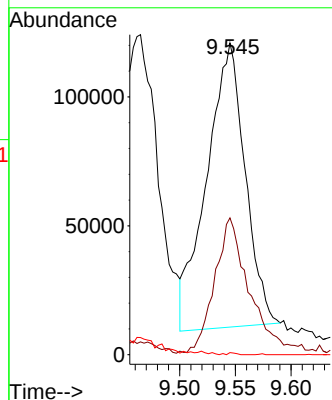
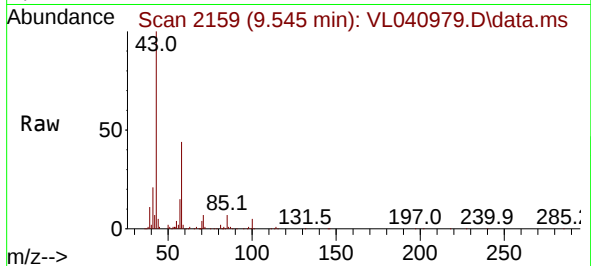
#51
2-Hexanone
Concen: 1.392 ppbv
RT: 9.545 min Scan# 2152
Delta R.T. 0.022 min
Lab File: VL040979.D
Acq: 15 Jan 2024 20:47

Instrument :
MSVOA_L
ClientSampleId :
SV1

Tgt Ion: 43 Resp: 264444
Ion Ratio Lower Upper
43 100
58 46.0 37.3 55.9
98 0.0 0.2 0.2

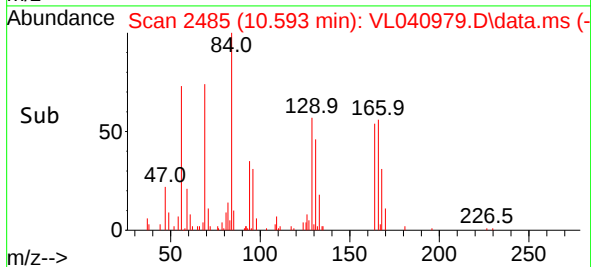
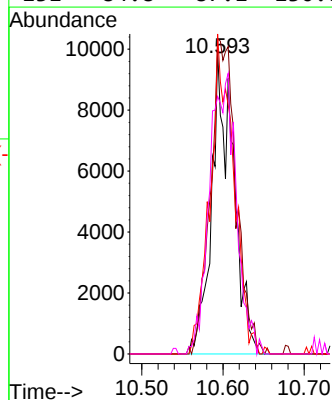
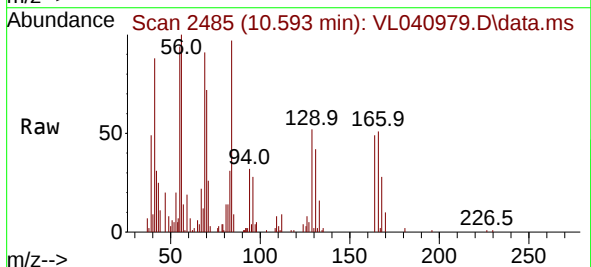
Manual Integrations
APPROVED

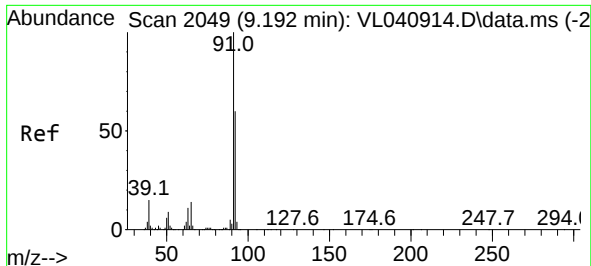
Reviewed By :Semsettin Yesilyurt 01/16/2024
Supervised By :Mahesh Dadoda 01/16/2024



#52
Tetrachloroethene
Concen: 0.213 ppbv m
RT: 10.593 min Scan# 2485
Delta R.T. 0.006 min
Lab File: VL040979.D
Acq: 15 Jan 2024 20:47

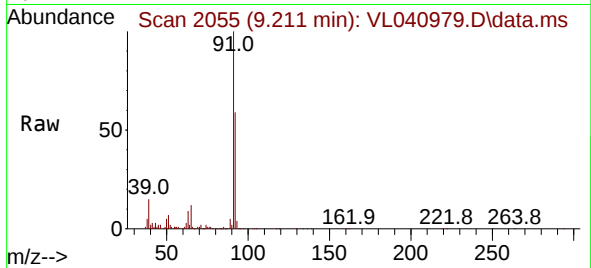
Tgt Ion:164 Resp: 18504
Ion Ratio Lower Upper
164 100
166 103.7 98.9 148.3
129 105.4 88.7 133.1
131 84.8 87.1 130.7#





#53
Toluene
Concen: 0.969 ppbv
RT: 9.211 min Scan# 2049
Delta R.T. 0.016 min
Lab File: VL040979.D
Acq: 15 Jan 2024 20:47

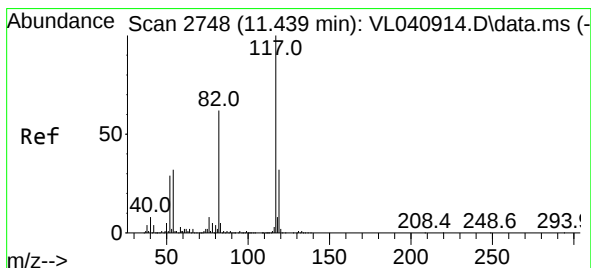
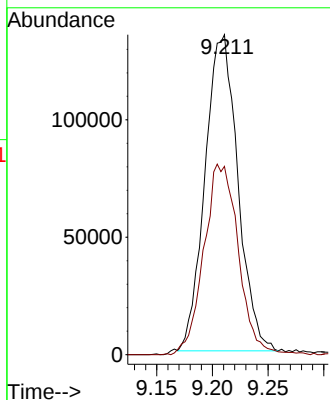
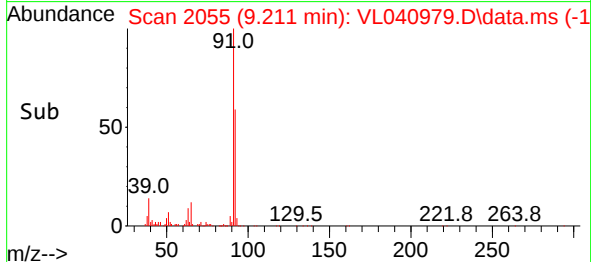
Instrument :
MSVOA_L
ClientSampleId :
SV1



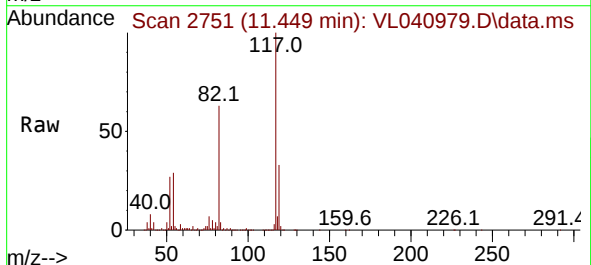
Tgt Ion: 91 Resp: 276564
Ion Ratio Lower Upper
91 100
92 63.6 49.2 73.8

Manual Integrations
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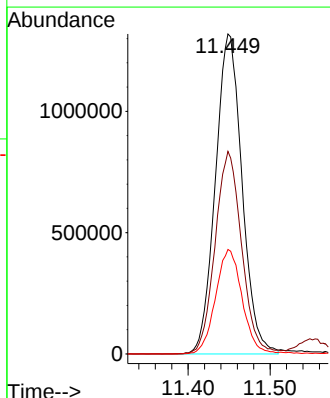
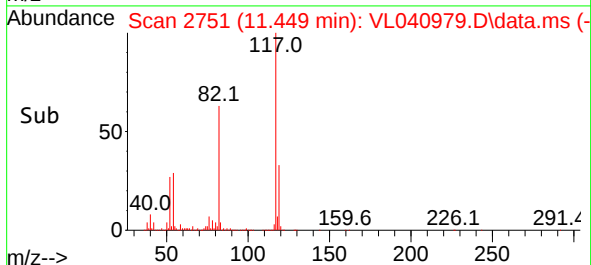
Reviewed By :Semsettin Yesilyurt 01/16/2024
Supervised By :Mahesh Dadoda 01/16/2024

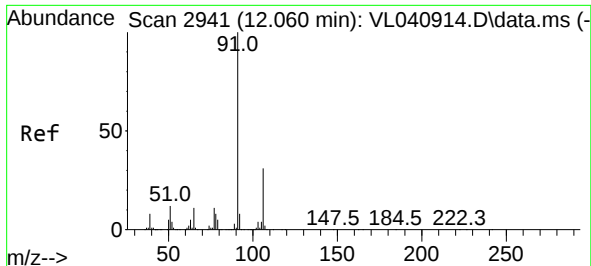


#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.449 min Scan# 2751
Delta R.T. 0.013 min
Lab File: VL040979.D
Acq: 15 Jan 2024 20:47



Tgt Ion:117 Resp: 2980603
Ion Ratio Lower Upper
117 100
82 63.2 49.6 74.4
119 33.0 23.4 35.0





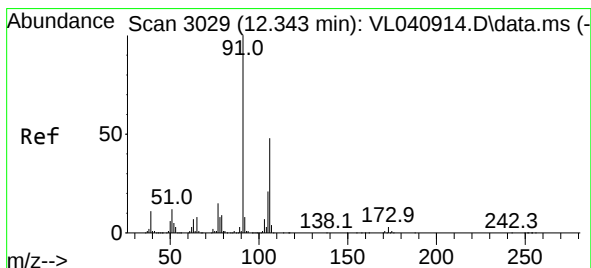
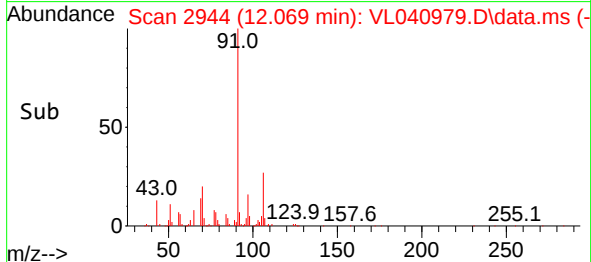
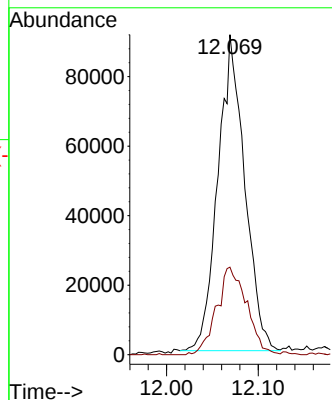
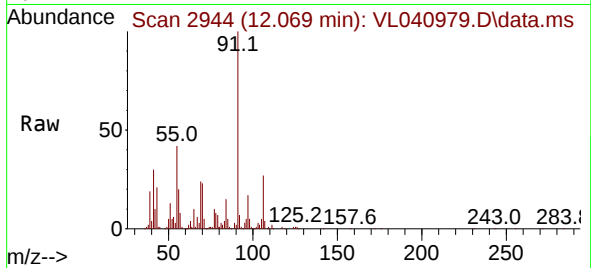
#58
Ethyl Benzene
Concen: 0.482 ppbv
RT: 12.069 min Scan# 2941
Delta R.T. 0.013 min
Lab File: VL040979.D
Acq: 15 Jan 2024 20:47

Instrument :
MSVOA_L
ClientSampleId :
SV1

Tgt Ion: 91 Resp: 184690
Ion Ratio Lower Upper
91 100
106 27.8 24.9 37.3

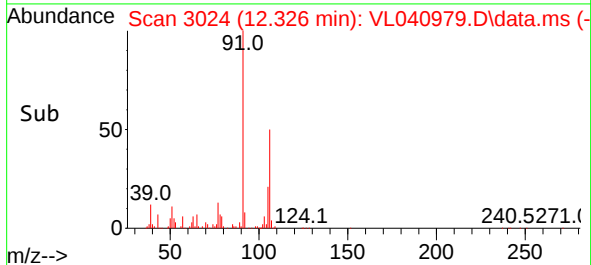
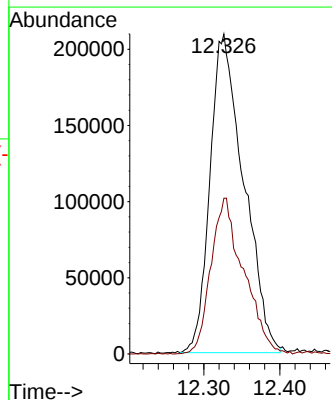
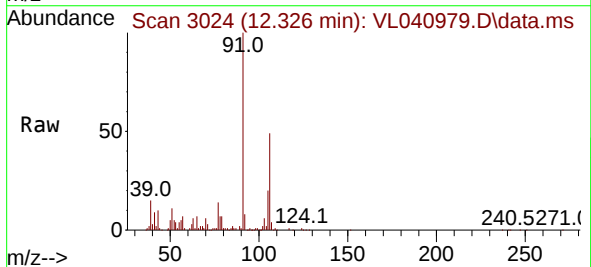
Manual Integrations
APPROVED

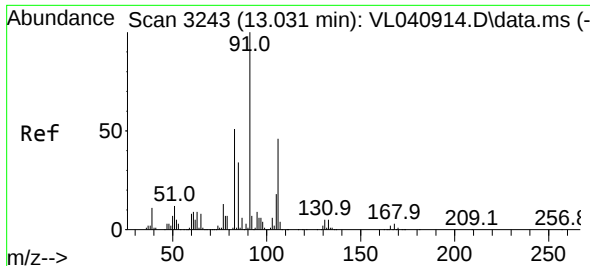
Reviewed By :Semsettin Yesilyurt 01/16/2024
Supervised By :Mahesh Dadoda 01/16/2024



#59
m/p-Xylene
Concen: 1.976 ppbv
RT: 12.326 min Scan# 3024
Delta R.T. -0.010 min
Lab File: VL040979.D
Acq: 15 Jan 2024 20:47

Tgt Ion: 91 Resp: 643598
Ion Ratio Lower Upper
91 100
106 47.6 0.0 0.0#





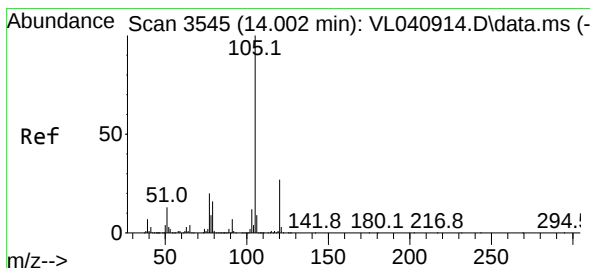
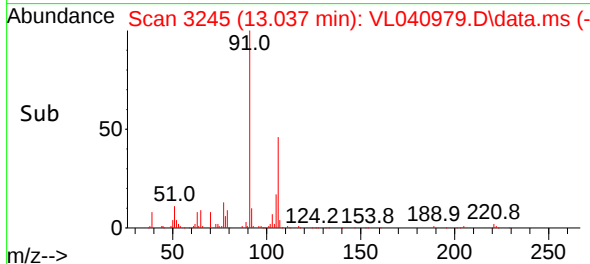
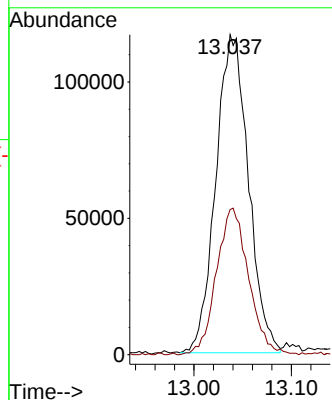
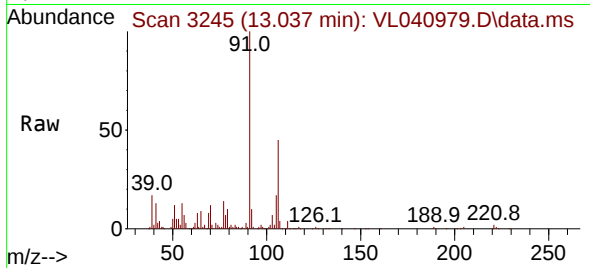
#60
o-Xylene
Concen: 0.884 ppbv
RT: 13.037 min Scan# 31
Delta R.T. 0.013 min
Lab File: VL040979.D
Acq: 15 Jan 2024 20:47

Instrument :
MSVOA_L
ClientSampleId :
SV1

Tgt Ion: 91 Resp: 27110
Ion Ratio Lower Upper
91 100
106 45.4 22.6 67.7

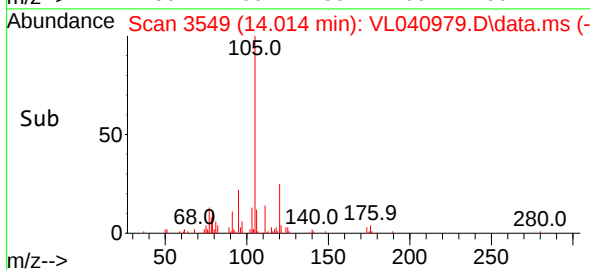
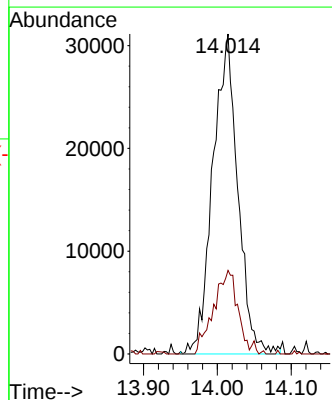
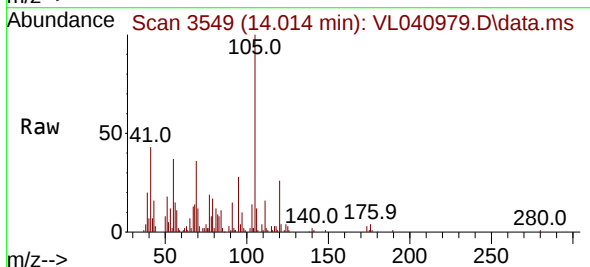
Manual Integrations
APPROVED

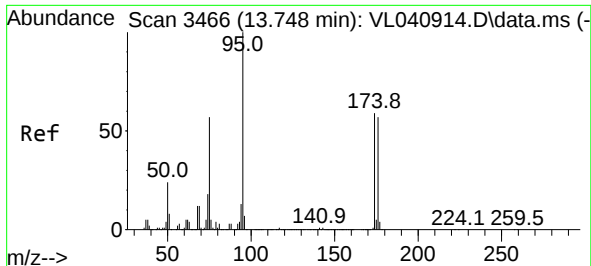
Reviewed By :Semsettin Yesilyurt 01/16/2024
Supervised By :Mahesh Dadoda 01/16/2024



#62
Isopropylbenzene
Concen: 0.161 ppbv m
RT: 14.014 min Scan# 3549
Delta R.T. 0.022 min
Lab File: VL040979.D
Acq: 15 Jan 2024 20:47

Tgt Ion:105 Resp: 73111
Ion Ratio Lower Upper
105 100
120 0.0 20.7 31.1#





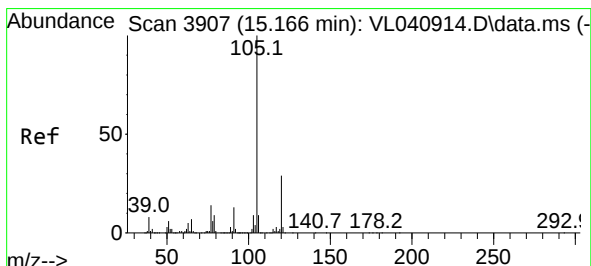
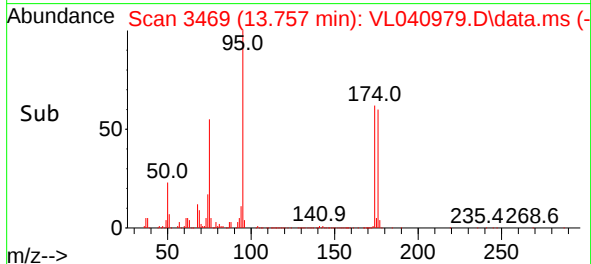
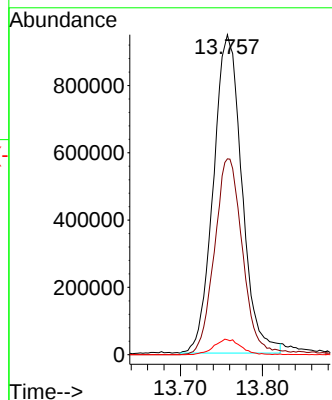
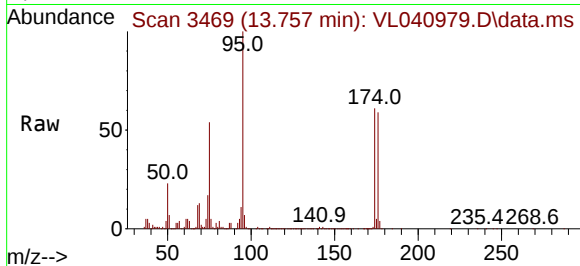
#68
1-Bromo-4-Fluorobenzene
Concen: 10.415 ppbv
RT: 13.757 min Scan# 3466
Delta R.T. 0.019 min
Lab File: VL040979.D
Acq: 15 Jan 2024 20:47

Instrument :
MSVOA_L
ClientSampleId :
SV1

Tgt Ion: 95 Resp: 228668
Ion Ratio Lower Upper
95 100
174 62.2 48.0 72.0
175 4.6 3.7 5.5

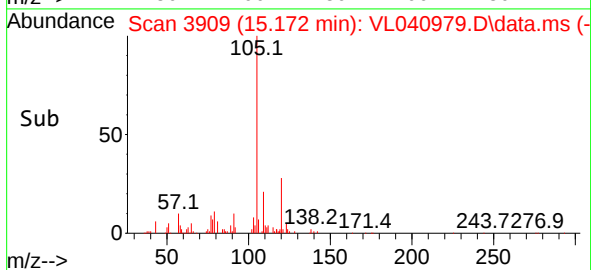
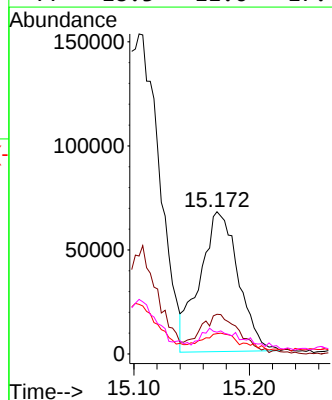
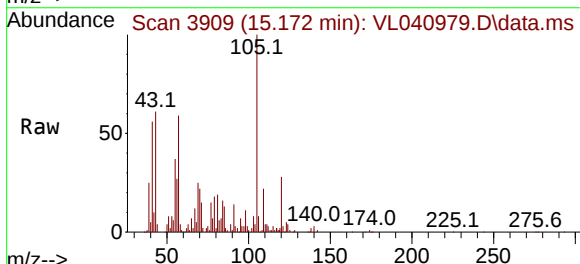
Manual Integrations
APPROVED

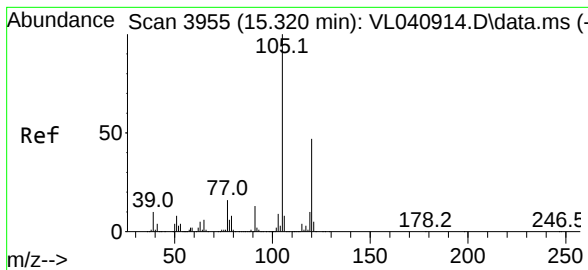
Reviewed By :Semsettin Yesilyurt 01/16/2024
Supervised By :Mahesh Dadoda 01/16/2024



#72
4-Ethyltoluene
Concen: 0.463 ppbv
RT: 15.172 min Scan# 3909
Delta R.T. 0.016 min
Lab File: VL040979.D
Acq: 15 Jan 2024 20:47

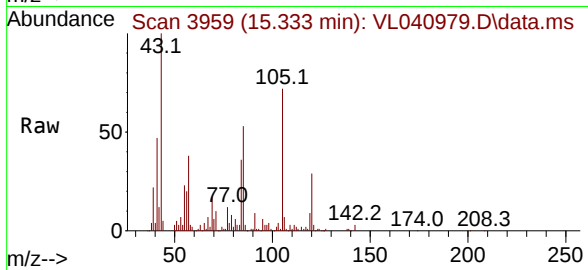
Tgt Ion:105 Resp: 155790
Ion Ratio Lower Upper
105 100
120 29.6 23.8 35.8
91 12.2 10.9 16.3
77 18.3 11.6 17.4#





#73
1,3,5-Trimethylbenzene
Concen: 0.640 ppbv m
RT: 15.333 min Scan# 3955
Delta R.T. 0.016 min
Lab File: VL040979.D
Acq: 15 Jan 2024 20:47

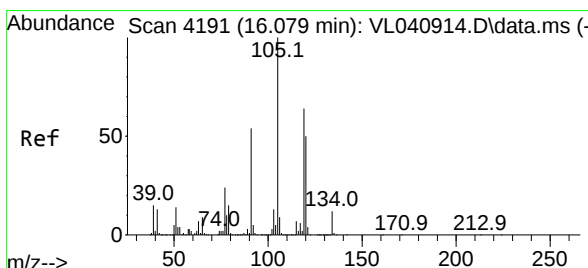
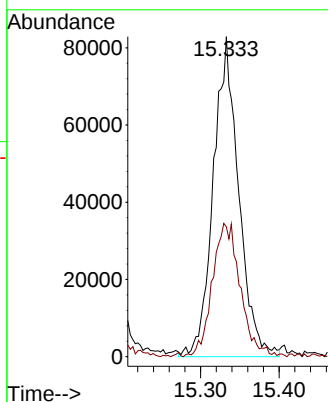
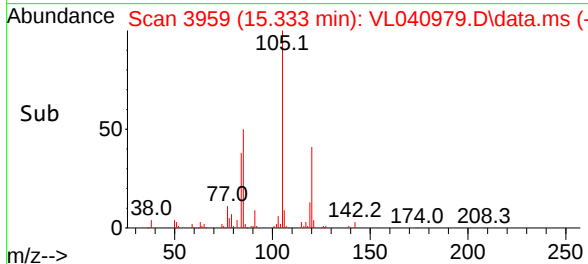
Instrument :
MSVOA_L
ClientSampleId :
SV1



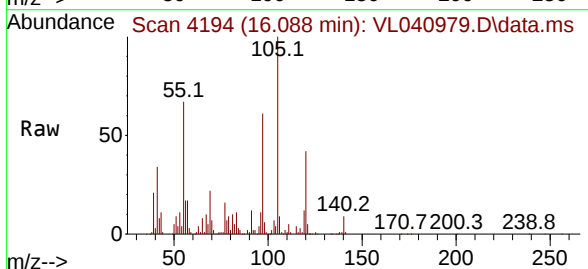
Tgt Ion:105 Resp: 185929
Ion Ratio Lower Upper
105 100
120 40.6 37.8 56.8

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 01/16/2024
Supervised By :Mahesh Dadoda 01/16/2024



#74
1,2,4-Trimethylbenzene
Concen: 1.385 ppbv
RT: 16.088 min Scan# 4194
Delta R.T. 0.016 min
Lab File: VL040979.D
Acq: 15 Jan 2024 20:47



Tgt Ion:105 Resp: 447881
Ion Ratio Lower Upper
105 100
120 42.2 40.2 60.4
91 11.3 43.0 64.6#
77 15.0 18.9 28.3#

