

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL021524\
 Data File : VL041073.D
 Acq On : 15 Feb 2024 16:11
 Operator : SY/MD
 Sample : P1490-01 4X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SV1

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 02/19/2024
 Supervised By :Mahesh Dadoda 02/20/2024

Quant Time: Feb 16 04:10:02 2024

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL012324AIR.M

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

QLast Update : Fri Feb 16 04:05:22 2024

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.192	49	1285777	10.000	ppbv	0.02
33) 1,4-Difluorobenzene	6.655	114	3152700	10.000	ppbv	0.02
55) Chlorobenzene-d5	11.484	117	2538642	10.000	ppbv	0.03
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.786	95	2136343	11.141	ppbv	0.03
Spiked Amount	10.000	Range	65 - 135	Recovery	=	111.400%
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.713	85	27350	0.096	ppbv	94
3) Chlorodifluoromethane	2.655	51	115256m	0.533	ppbv	
15) Acetone	3.475	43	270467	1.645	ppbv #	79
20) Methylene Chloride	3.932	84	100858	1.594	ppbv	95
26) Hexane	5.214	57	122369	0.963	ppbv #	43
29) Chloroform	5.276	83	93432	0.415	ppbv	91
34) 2-Butanone	4.793	43	395223	2.631	ppbv	98
35) Carbon Tetrachloride	6.497	117	8386m	0.040	ppbv	
38) Trichloroethene	7.292	130	39579	0.379	ppbv	94
51) 2-Hexanone	9.571	43	75543	0.396	ppbv #	98
52) Tetrachloroethene	10.697	164	84168559m	973.404	ppbv	
53) Toluene	9.224	91	153202	0.537	ppbv	98
58) Ethyl Benzene	12.098	91	78732	0.231	ppbv	91
59) m/p-Xylene	12.356	91	268553	0.904	ppbv	100
60) o-Xylene	13.073	91	102410	0.359	ppbv	99
72) 4-Ethyltoluene	15.195	105	62062m	0.195	ppbv	
73) 1,3,5-Trimethylbenzene	15.352	105	48043	0.170	ppbv	87
74) 1,2,4-Trimethylbenzene	16.111	105	242602	0.757	ppbv #	59

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

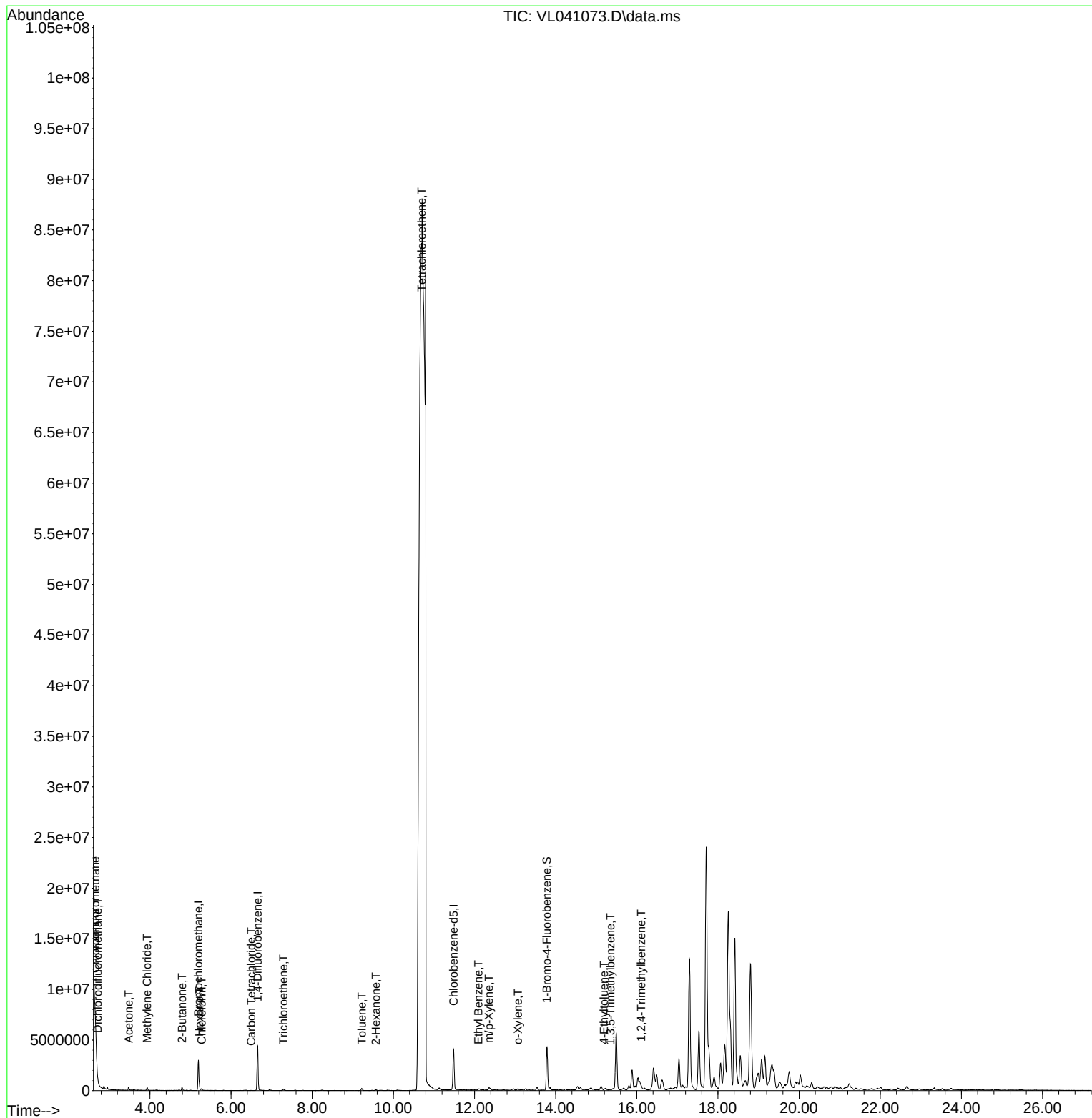
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL021524\
Data File : VL041073.D
Acq On : 15 Feb 2024 16:11
Operator : SY/MD
Sample : P1490-01 4X
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

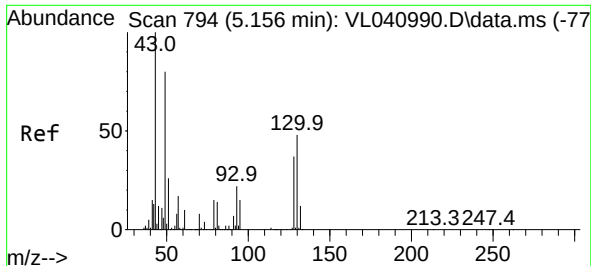
Instrument :
MSVOA_L
ClientSampleId :
SV1

Quant Time: Feb 16 04:10:02 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL012324AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug
QLast Update : Fri Feb 16 04:05:22 2024
Response via : Initial Calibration

Manual Integrations
APPROVED

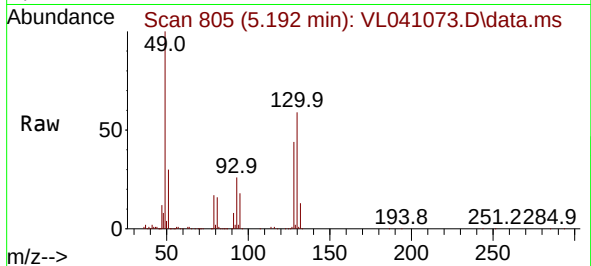
Reviewed By : Semsettin Yesilyurt 02/19/2024
Supervised By : Mahesh Dadoda 02/20/2024





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.192 min Scan# 80
Delta R.T. 0.016 min
Lab File: VL041073.D
Acq: 15 Feb 2024 16:11

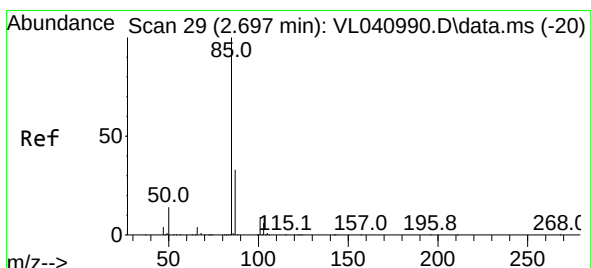
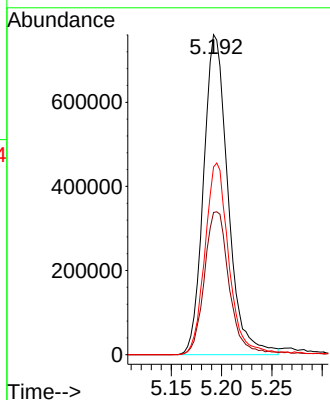
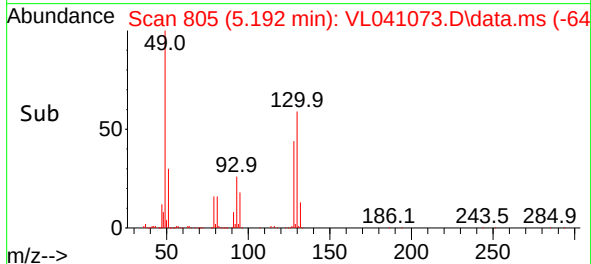
Instrument :
MSVOA_L
ClientSampleId :
SV1



Tgt Ion: 49 Resp: 128577
Ion Ratio Lower Upper
49 100
128 46.3 23.9 71.7
130 59.7 31.1 93.5

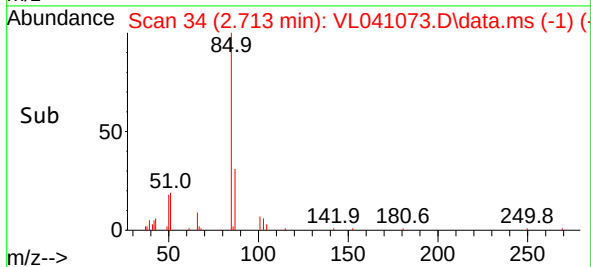
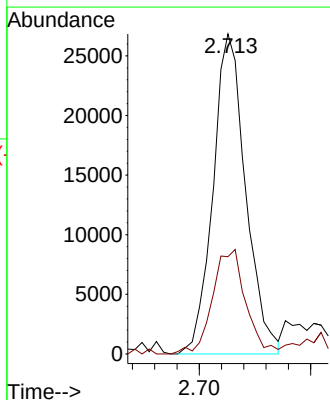
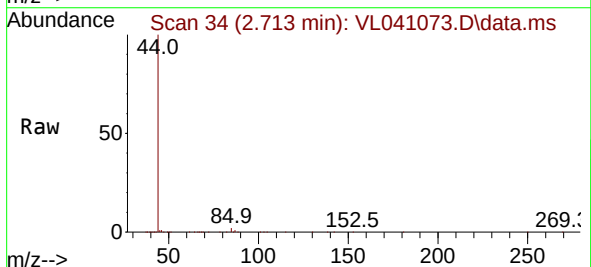
Manual Integrations
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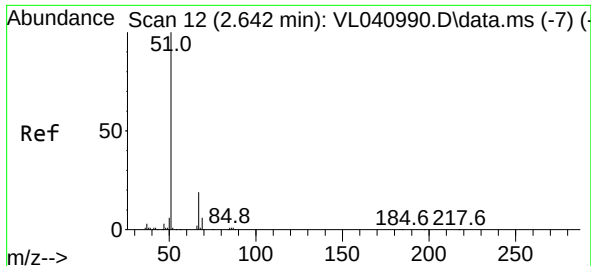
Reviewed By :Semsettin Yesilyurt 02/19/2024
Supervised By :Mahesh Dadoda 02/20/2024



#2
Dichlorodifluoromethane
Concen: 0.096 ppbv
RT: 2.713 min Scan# 34
Delta R.T. 0.007 min
Lab File: VL041073.D
Acq: 15 Feb 2024 16:11

Tgt Ion: 85 Resp: 27350
Ion Ratio Lower Upper
85 100
87 29.6 26.3 39.5





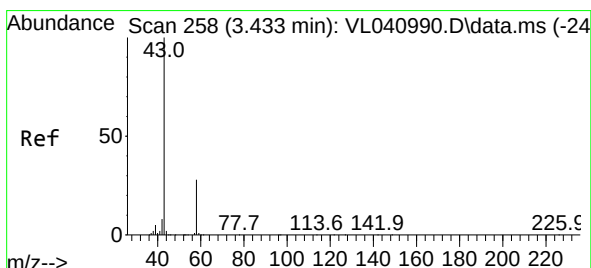
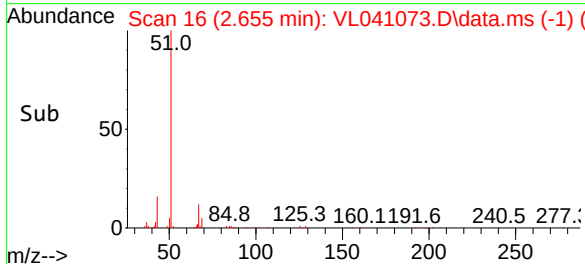
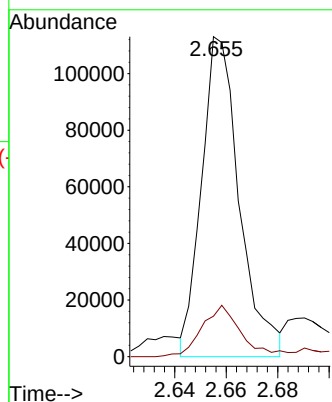
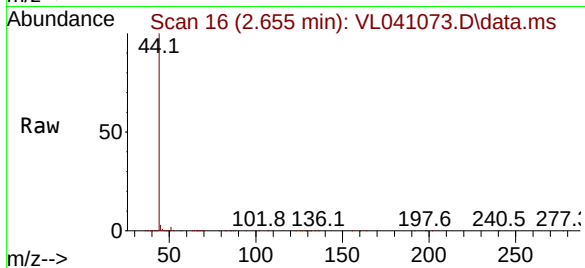
#3
Chlorodifluoromethane
Concen: 0.533 ppbv m
RT: 2.655 min Scan# 11
Delta R.T. 0.003 min
Lab File: VL041073.D
Acq: 15 Feb 2024 16:11

Instrument :
MSVOA_L
ClientSampleId :
SV1

Tgt Ion: 51 Resp: 115250
Ion Ratio Lower Upper
51 100
67 20.7 14.8 22.2

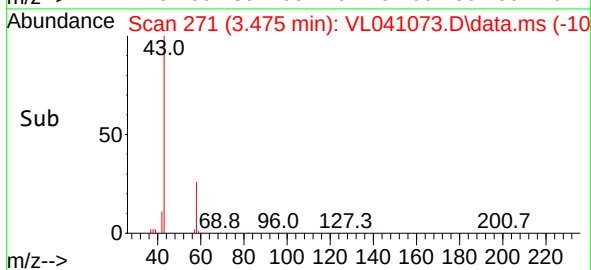
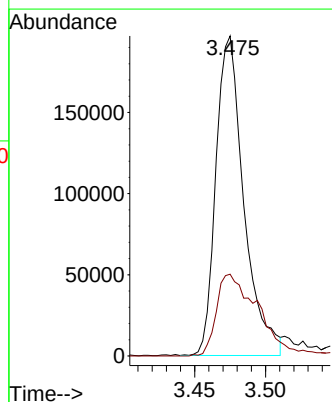
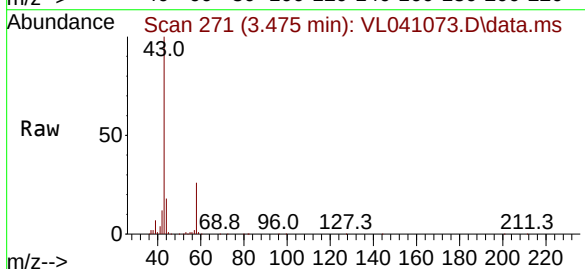
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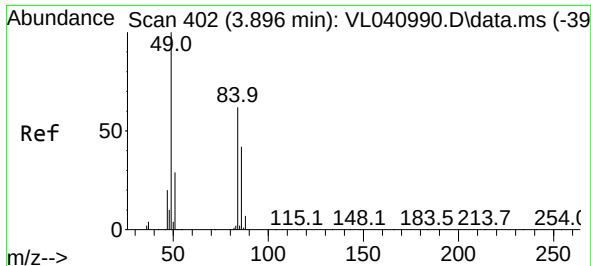
Reviewed By :Semsettin Yesilyurt 02/19/2024
Supervised By :Mahesh Dadoda 02/20/2024



#15
Acetone
Concen: 1.645 ppbv
RT: 3.475 min Scan# 271
Delta R.T. 0.029 min
Lab File: VL041073.D
Acq: 15 Feb 2024 16:11

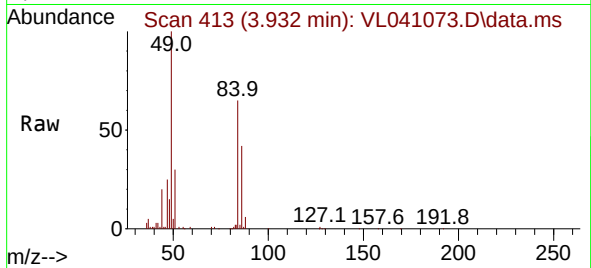
Tgt Ion: 43 Resp: 270467
Ion Ratio Lower Upper
43 100
58 38.8 22.2 33.2#





#20
Methylene Chloride
Concen: 1.594 ppbv
RT: 3.932 min Scan# 413
Delta R.T. 0.019 min
Lab File: VL041073.D
Acq: 15 Feb 2024 16:11

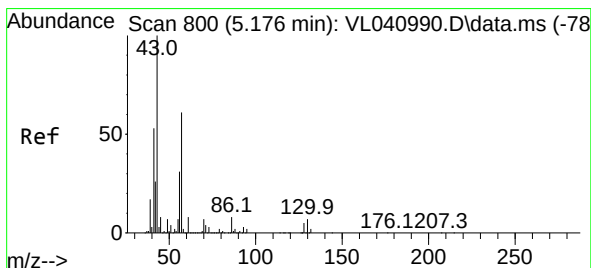
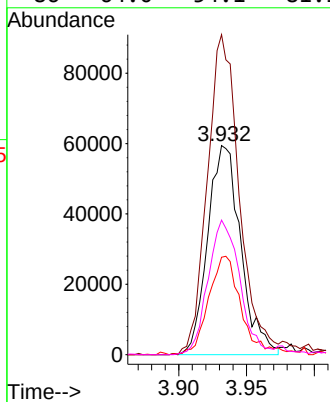
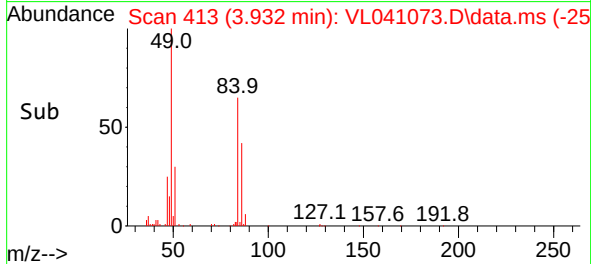
Instrument :
MSVOA_L
ClientSampleId :
SV1



Tgt Ion: 84 Resp: 100858
Ion Ratio Lower Upper
84 100
49 152.6 128.1 192.1
51 46.1 36.5 54.7
86 64.0 54.1 81.1

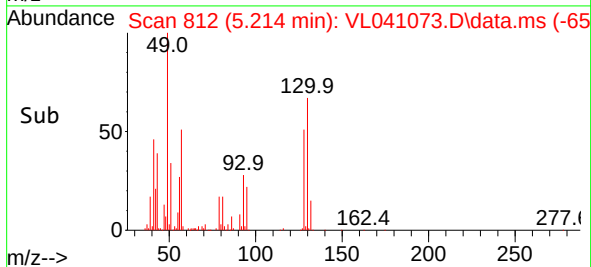
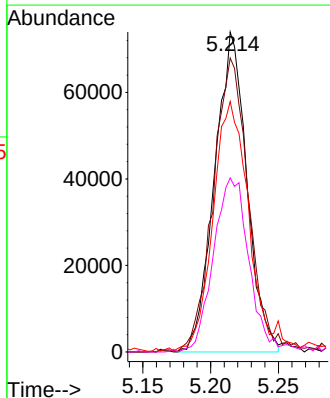
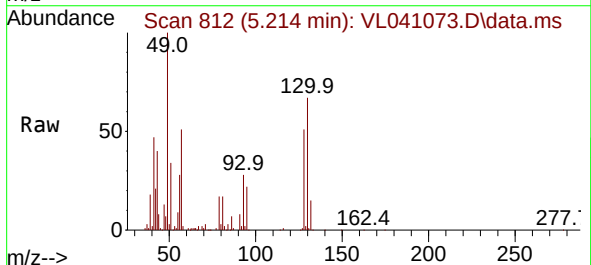
Manual Integrations
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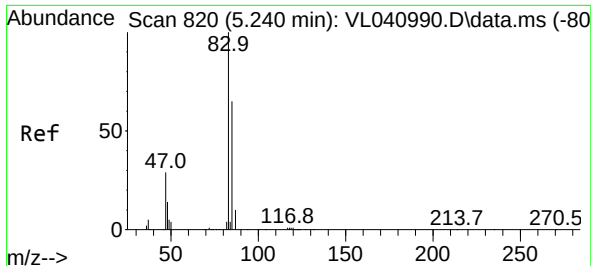
Reviewed By :Semsettin Yesilyurt 02/19/2024
Supervised By :Mahesh Dadoda 02/20/2024



#26
Hexane
Concen: 0.963 ppbv
RT: 5.214 min Scan# 812
Delta R.T. 0.019 min
Lab File: VL041073.D
Acq: 15 Feb 2024 16:11

Tgt Ion: 57 Resp: 122369
Ion Ratio Lower Upper
57 100
41 101.3 74.4 111.6
43 92.4 190.6 285.8#
56 62.1 43.0 64.4





#29

Chloroform

Concen: 0.415 ppbv

RT: 5.276 min Scan# 81

Delta R.T. 0.019 min

Lab File: VL041073.D

Acq: 15 Feb 2024 16:11

Instrument :

MSVOA_L

ClientSampleId :

SV1

Tgt Ion: 83 Resp: 9343

Ion Ratio Lower Upper

83 100

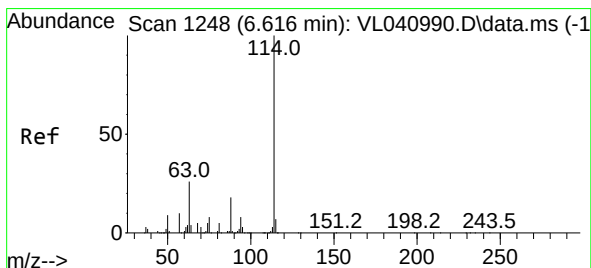
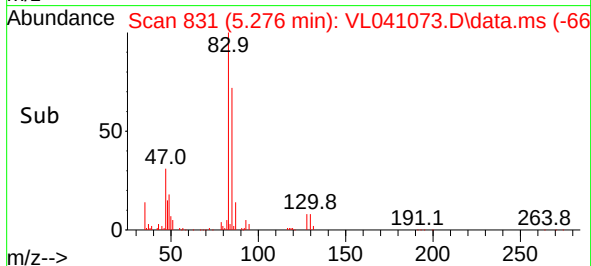
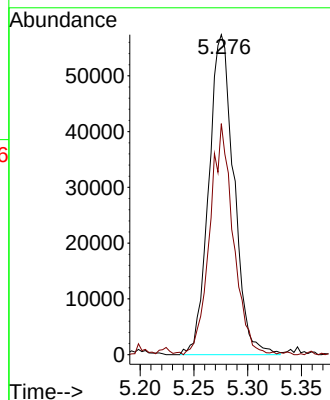
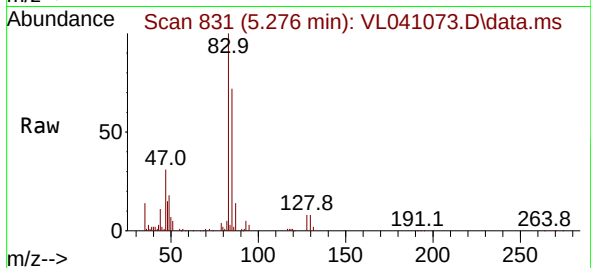
85 71.6 51.6 77.4

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 02/19/2024

Supervised By :Mahesh Dadoda 02/20/2024



#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.655 min Scan# 1260

Delta R.T. 0.016 min

Lab File: VL041073.D

Acq: 15 Feb 2024 16:11

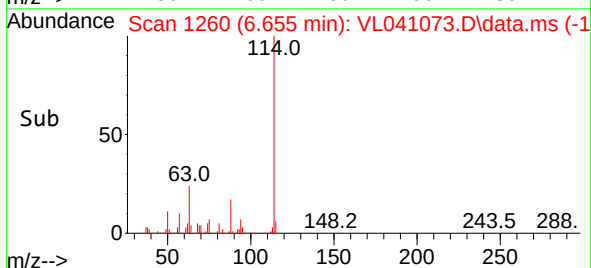
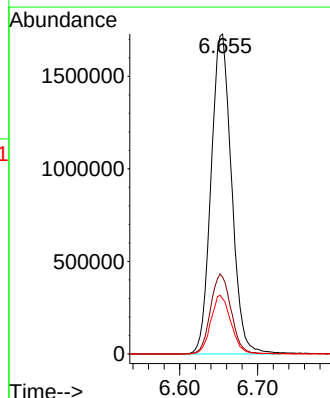
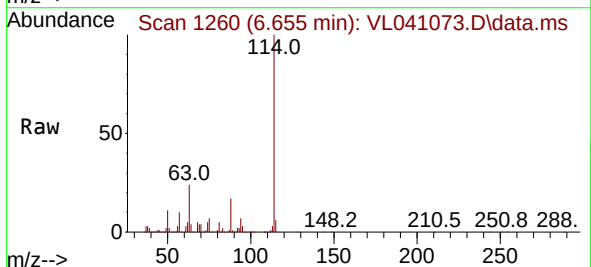
Tgt Ion:114 Resp: 3152700

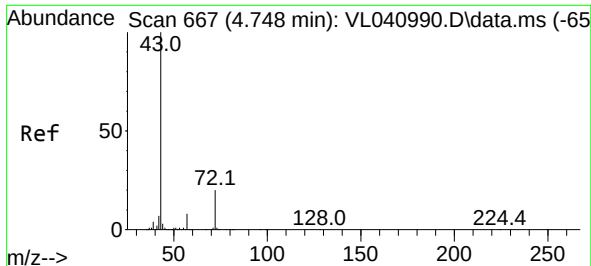
Ion Ratio Lower Upper

114 100

63 25.3 20.8 31.2

88 18.1 14.3 21.5





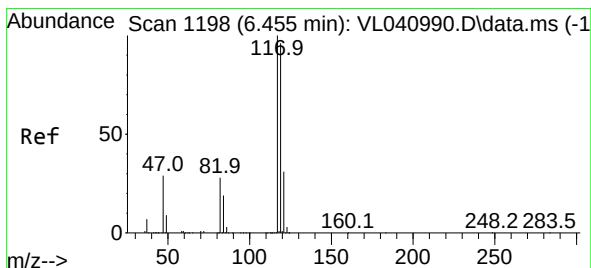
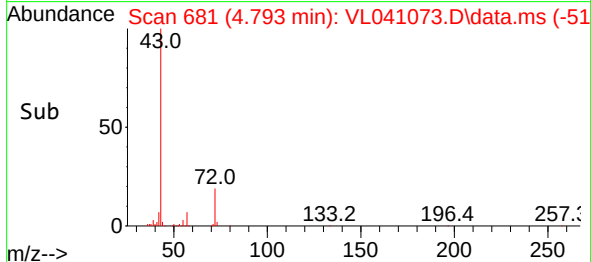
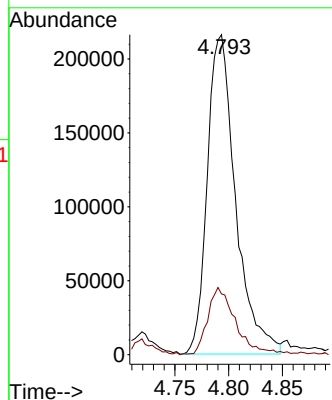
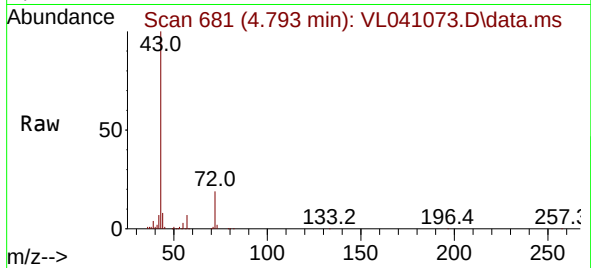
#34
2-Butanone
Concen: 2.631 ppbv
RT: 4.793 min Scan# 61
Delta R.T. 0.026 min
Lab File: VL041073.D
Acq: 15 Feb 2024 16:11

Instrument :
MSVOA_L
ClientSampleId :
SV1

Tgt Ion: 43 Resp: 39522
Ion Ratio Lower Upper
43 100
72 21.0 17.5 26.3

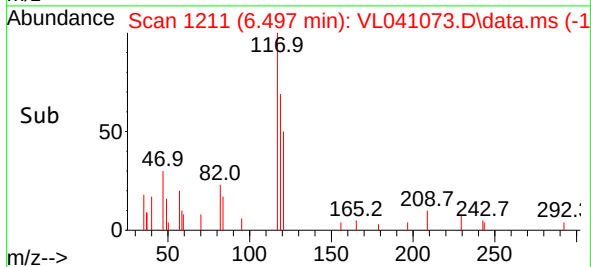
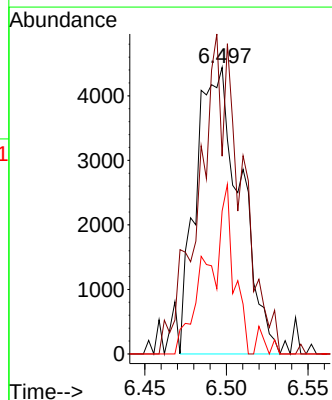
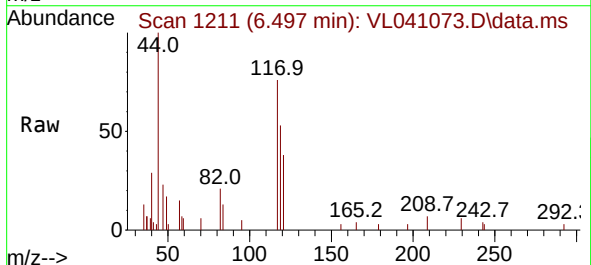
Manual Integrations
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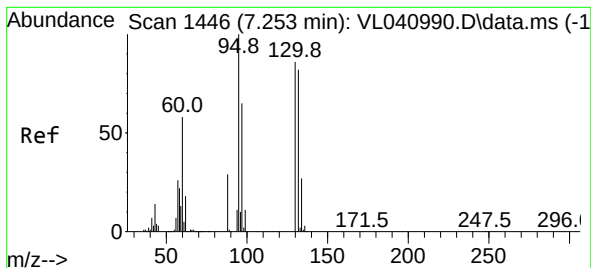
Reviewed By :Semsettin Yesilyurt 02/19/2024
Supervised By :Mahesh Dadoda 02/20/2024



#35
Carbon Tetrachloride
Concen: 0.040 ppbv m
RT: 6.497 min Scan# 1211
Delta R.T. 0.019 min
Lab File: VL041073.D
Acq: 15 Feb 2024 16:11

Tgt Ion:117 Resp: 8386
Ion Ratio Lower Upper
117 100
119 69.0 76.9 115.3#
121 49.9 24.7 37.1#





#38

Trichloroethene

Concen: 0.379 ppbv

RT: 7.292 min Scan# 1446

Delta R.T. 0.016 min

Lab File: VL041073.D

Acq: 15 Feb 2024 16:11

Instrument :

MSVOA_L

ClientSampleId :

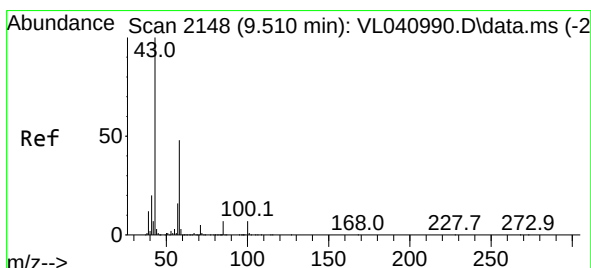
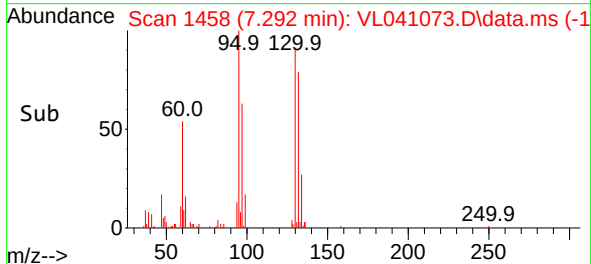
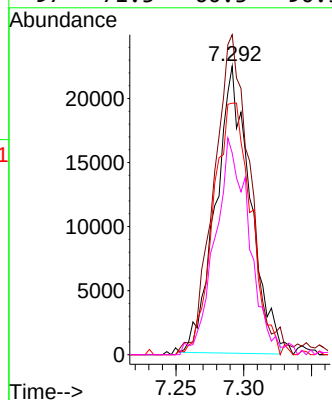
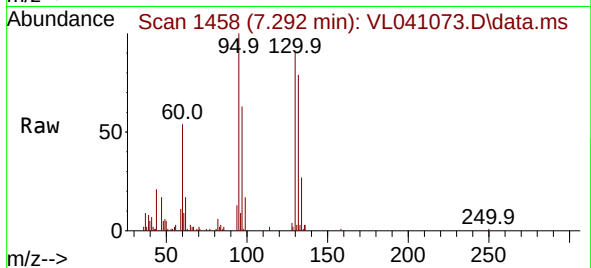
SV1

Tgt Ion:	130	Resp:	39579
Ion	Ratio	Lower	Upper
130	100		
95	109.6	92.9	139.3
132	87.9	76.2	114.2
97	71.3	60.3	90.5

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 02/19/2024
Supervised By :Mahesh Dadoda 02/20/2024



#51

2-Hexanone

Concen: 0.396 ppbv

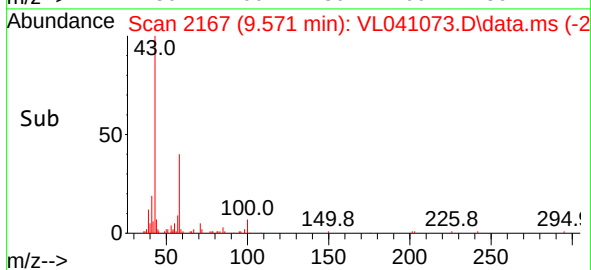
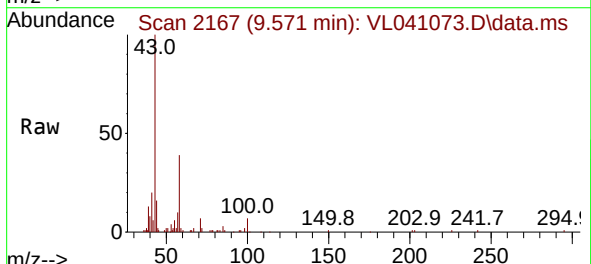
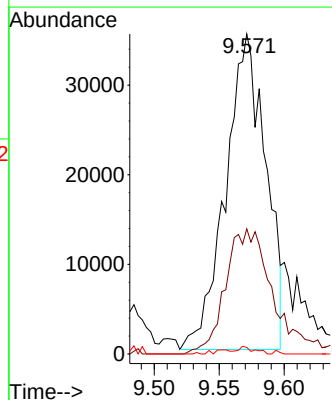
RT: 9.571 min Scan# 2167

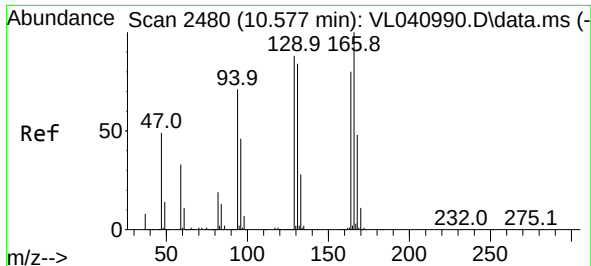
Delta R.T. 0.032 min

Lab File: VL041073.D

Acq: 15 Feb 2024 16:11

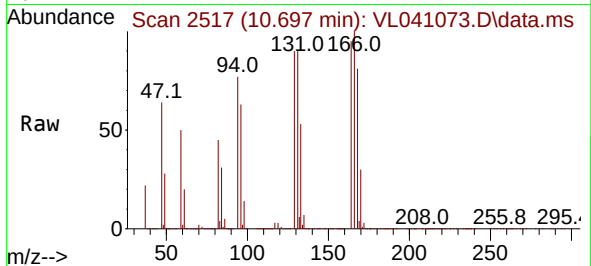
Tgt Ion:	43	Resp:	75543
Ion	Ratio	Lower	Upper
43	100		
58	47.1	36.8	55.2
98	1.7	0.3	0.5





#52
Tetrachloroethene
Concen: 973.404 ppbv m
RT: 10.697 min Scan# 2059
Delta R.T. 0.097 min
Lab File: VL041073.D
Acq: 15 Feb 2024 16:11

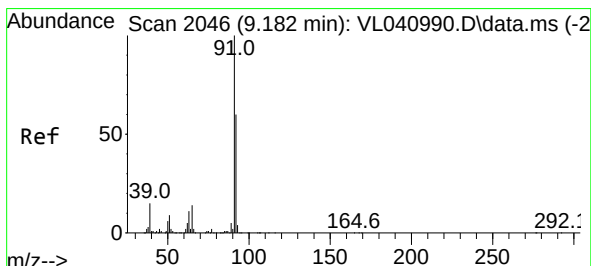
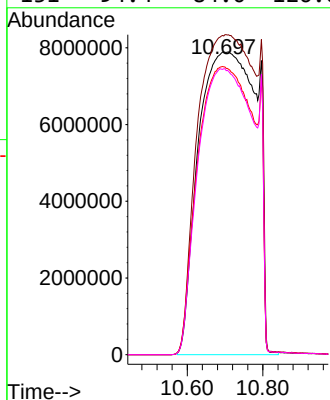
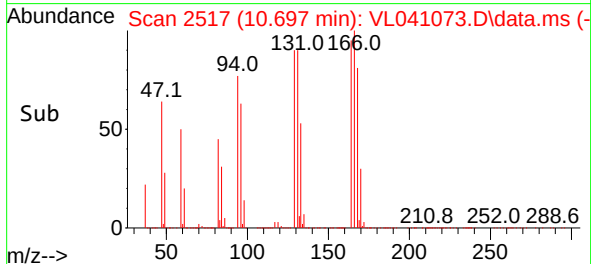
Instrument :
MSVOA_L
ClientSampleId :
SV1



Tgt Ion:164 Resp:84168559
Ion Ratio Lower Upper
164 100
166 105.3 100.2 150.2
129 95.1 87.9 131.9
131 94.4 84.0 126.0

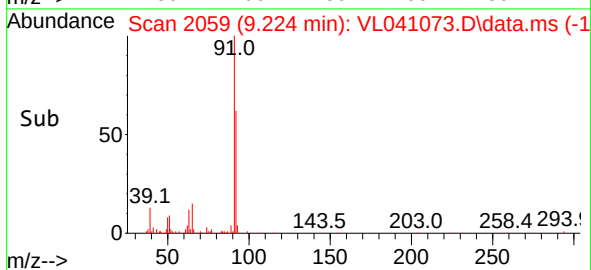
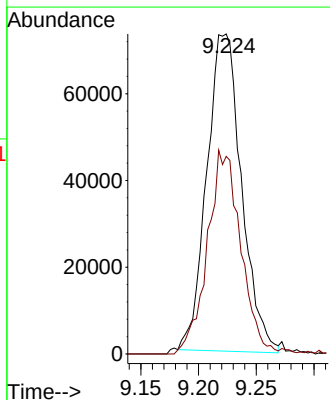
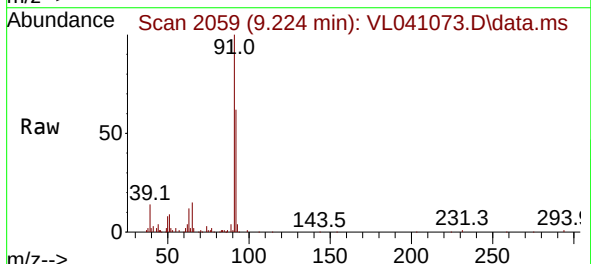
Manual Integrations
APPROVED

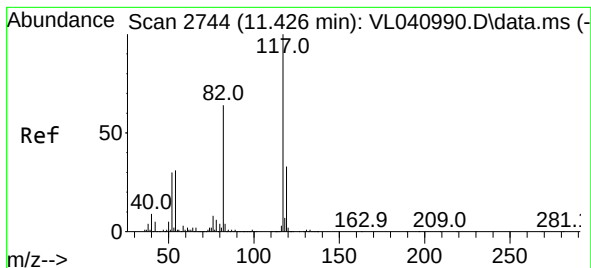
Reviewed By :Semsettin Yesilyurt 02/19/2024
Supervised By :Mahesh Dadoda 02/20/2024



#53
Toluene
Concen: 0.537 ppbv
RT: 9.224 min Scan# 2059
Delta R.T. 0.019 min
Lab File: VL041073.D
Acq: 15 Feb 2024 16:11

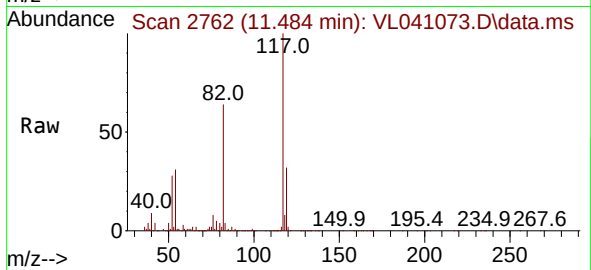
Tgt Ion: 91 Resp: 153202
Ion Ratio Lower Upper
91 100
92 62.2 48.6 72.8





#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.484 min Scan# 21
Delta R.T. 0.032 min
Lab File: VL041073.D
Acq: 15 Feb 2024 16:11

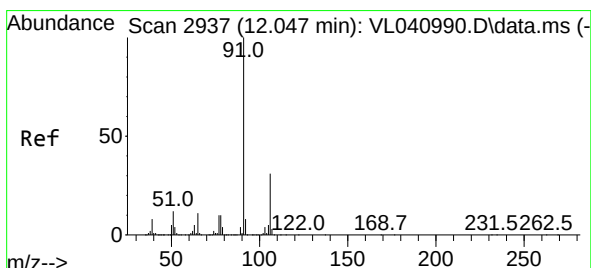
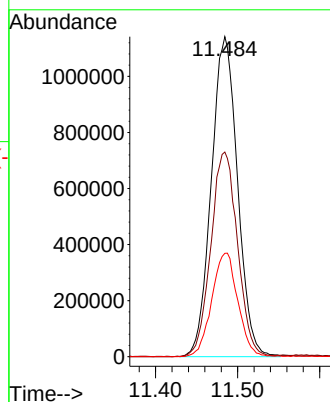
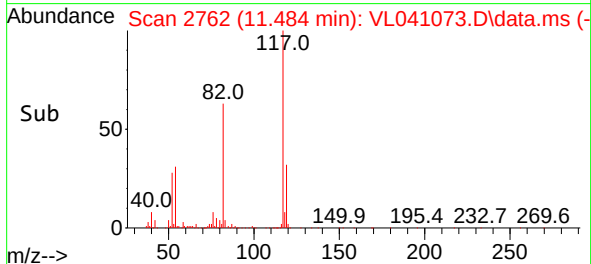
Instrument :
MSVOA_L
ClientSampleId :
SV1



Tgt Ion:117 Resp: 253864
Ion Ratio Lower Upper
117 100
82 65.0 51.7 77.5
119 32.2 23.8 35.6

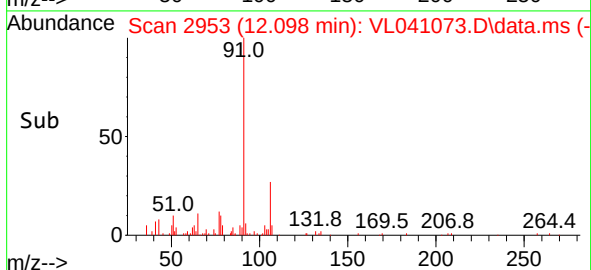
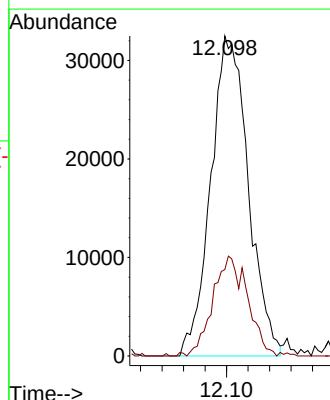
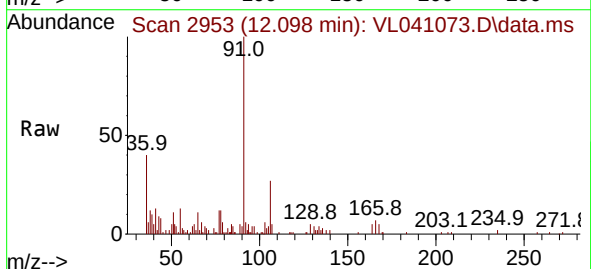
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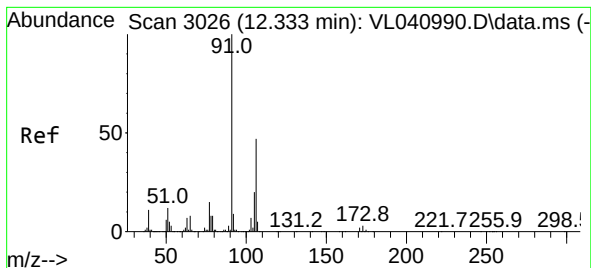
Reviewed By :Semsettin Yesilyurt 02/19/2024
Supervised By :Mahesh Dadoda 02/20/2024



#58
Ethyl Benzene
Concen: 0.231 ppbv
RT: 12.098 min Scan# 2953
Delta R.T. 0.023 min
Lab File: VL041073.D
Acq: 15 Feb 2024 16:11

Tgt Ion: 91 Resp: 78732
Ion Ratio Lower Upper
91 100
106 26.2 24.8 37.2





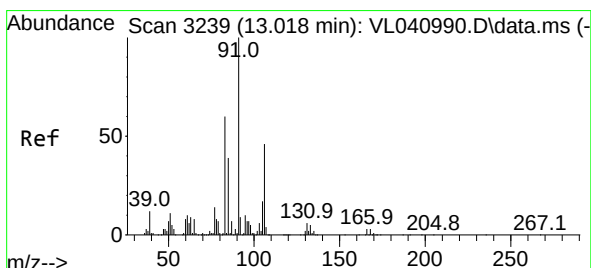
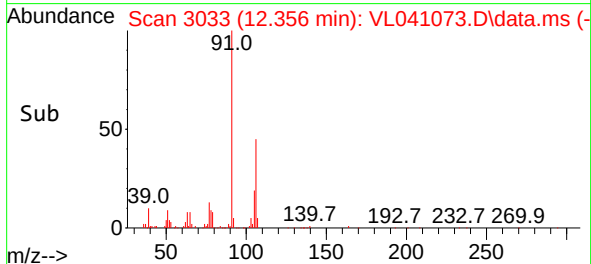
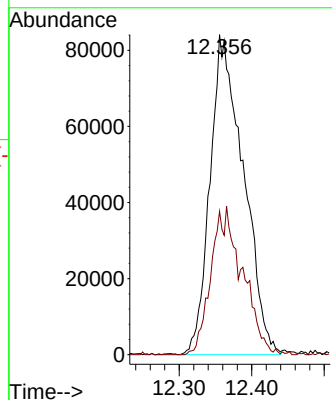
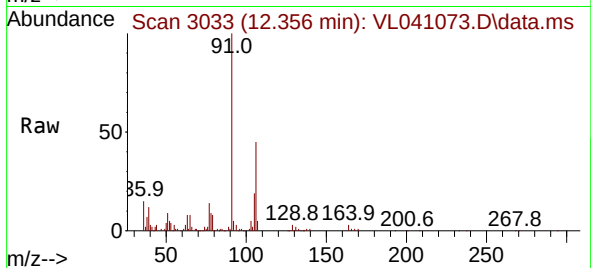
#59
m/p-Xylene
Concen: 0.904 ppbv
RT: 12.356 min Scan# 3026
Delta R.T. -0.003 min
Lab File: VL041073.D
Acq: 15 Feb 2024 16:11

Instrument :
MSVOA_L
ClientSampleId :
SV1

Tgt Ion: 91 Resp: 26855
Ion Ratio Lower Upper
91 100
106 43.8 34.9 52.3

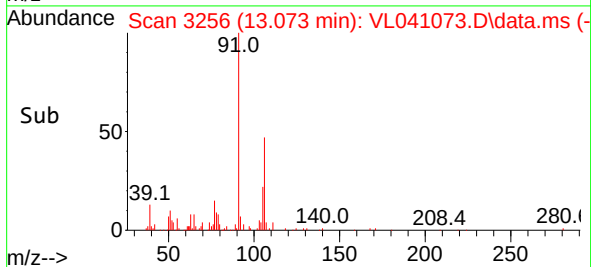
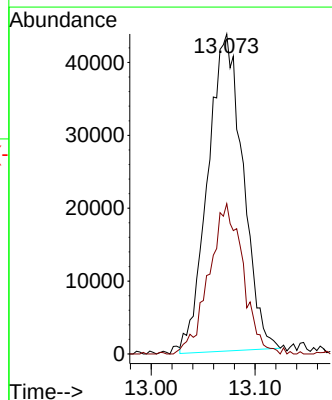
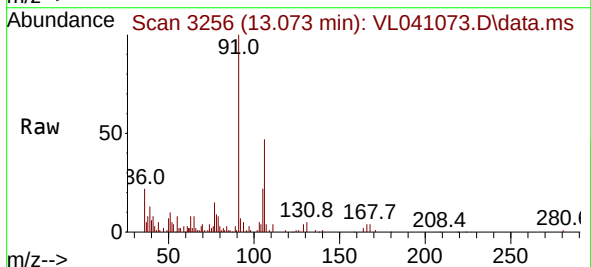
Manual Integrations
APPROVED

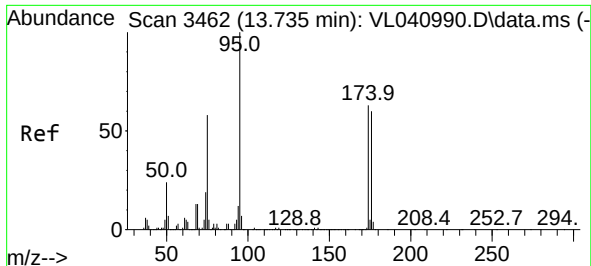
Reviewed By :Semsettin Yesilyurt 02/19/2024
Supervised By :Mahesh Dadoda 02/20/2024



#60
o-Xylene
Concen: 0.359 ppbv
RT: 13.073 min Scan# 3256
Delta R.T. 0.029 min
Lab File: VL041073.D
Acq: 15 Feb 2024 16:11

Tgt Ion: 91 Resp: 102410
Ion Ratio Lower Upper
91 100
106 45.9 22.6 67.7





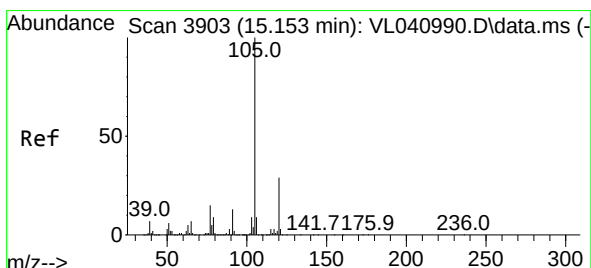
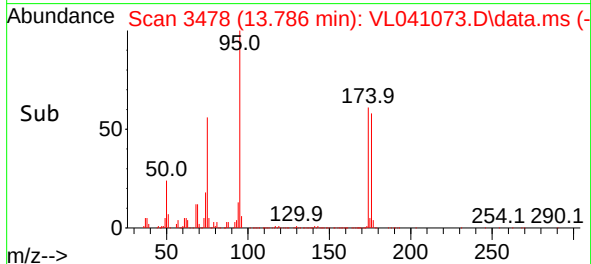
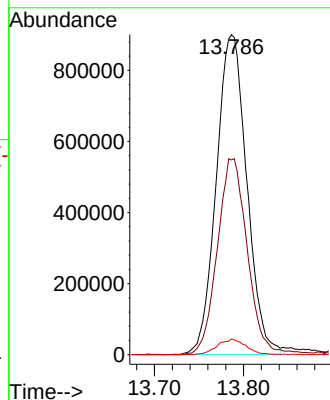
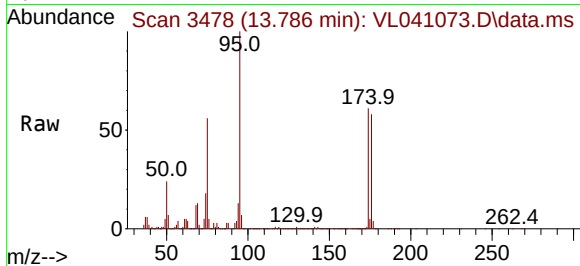
#68
1-Bromo-4-Fluorobenzene
Concen: 11.141 ppbv
RT: 13.786 min Scan# 3462
Delta R.T. 0.026 min
Lab File: VL041073.D
Acq: 15 Feb 2024 16:11

Instrument :
MSVOA_L
ClientSampleId :
SV1

Tgt Ion: 95 Resp: 213634
Ion Ratio Lower Upper
95 100
174 61.4 49.1 73.7
175 4.7 3.7 5.5

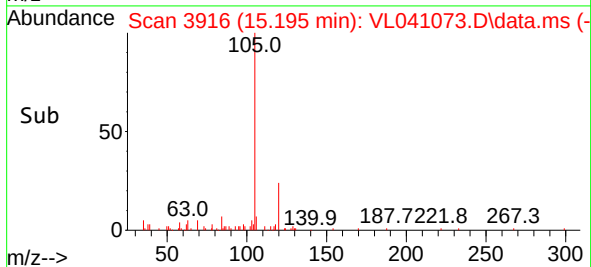
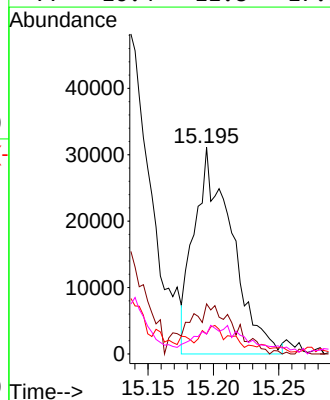
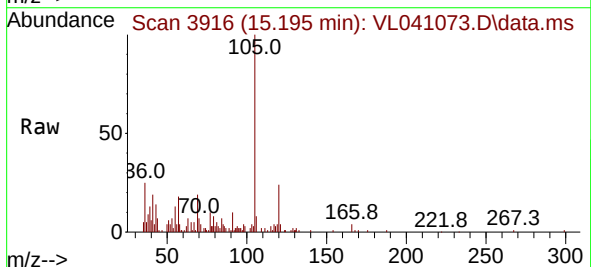
Manual Integrations
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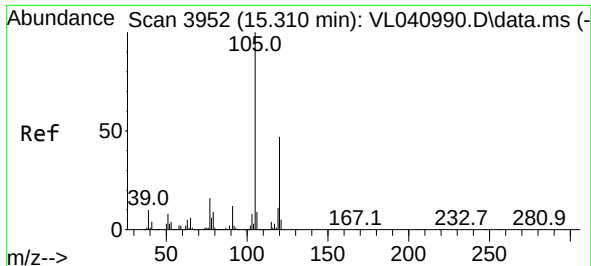
Reviewed By :Semsettin Yesilyurt 02/19/2024
Supervised By :Mahesh Dadoda 02/20/2024



#72
4-Ethyltoluene
Concen: 0.195 ppbv m
RT: 15.195 min Scan# 3916
Delta R.T. 0.016 min
Lab File: VL041073.D
Acq: 15 Feb 2024 16:11

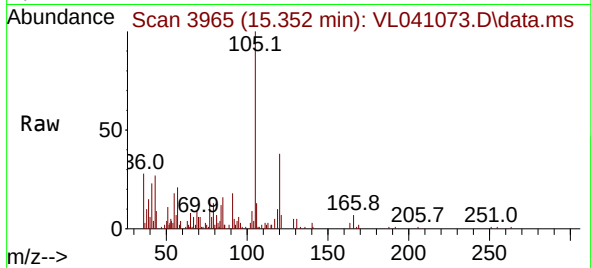
Tgt Ion:105 Resp: 62062
Ion Ratio Lower Upper
105 100
120 0.0 24.3 36.5#
91 15.1 11.0 16.4
77 16.4 11.8 17.8





#73
1,3,5-Trimethylbenzene
Concen: 0.170 ppbv
RT: 15.352 min Scan# 3952
Delta R.T. 0.016 min
Lab File: VL041073.D
Acq: 15 Feb 2024 16:11

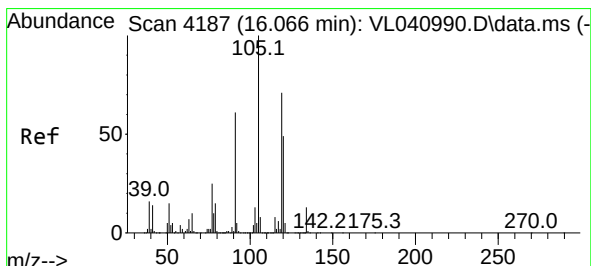
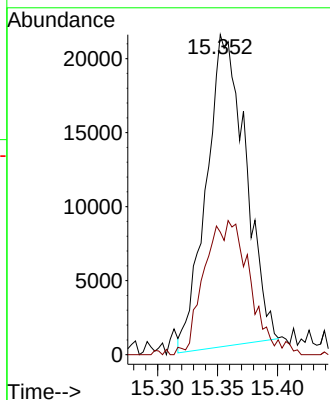
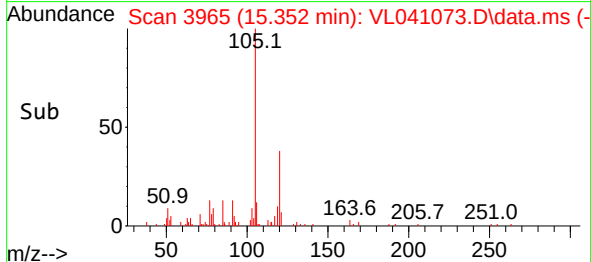
Instrument :
MSVOA_L
ClientSampleId :
SV1



Tgt Ion:105 Resp: 4804
Ion Ratio Lower Upper
105 100
120 37.9 37.2 55.8

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 02/19/2024
Supervised By :Mahesh Dadoda 02/20/2024



#74
1,2,4-Trimethylbenzene
Concen: 0.757 ppbv
RT: 16.111 min Scan# 4201
Delta R.T. 0.013 min
Lab File: VL041073.D
Acq: 15 Feb 2024 16:11

Tgt Ion:105 Resp: 242602
Ion Ratio Lower Upper
105 100
120 36.5 39.3 58.9#
91 10.6 48.7 73.1#
77 13.3 19.8 29.8#

