

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL020724\
 Data File : VL041047.D
 Acq On : 7 Feb 2024 22:46
 Operator : SY/MD
 Sample : P1393-01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SV-2

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 02/08/2024
 Supervised By :Mahesh Dadoda 02/08/2024

Quant Time: Feb 08 02:47:08 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 : Thu Feb 08 02:04:13 2024

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.173	49	1049730	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.629	114	2605131	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.442	117	2409625	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.751	95	1886228	10.364	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	103.600%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.716	85	110761	0.478	ppbv	93
4) Chloromethane	2.800	50	53025	0.801	ppbv	99
5) Vinyl Chloride	2.903	62	2739	0.042	ppbv #	77
9) Propene	2.681	41	866556	14.963	ppbv	88
10) Heptane	7.555	43	20206m	0.142	ppbv	
11) Trichlorofluoromethane	3.546	101	40793	0.218	ppbv	87
12) 1,1,2-Trichlorotrifluo...	4.047	101	8739m	0.065	ppbv	
13) Ethanol	3.227	45	65520m	4.747	ppbv	
15) Acetone	3.452	43	851036	6.340	ppbv #	84
20) Methylene Chloride	3.915	84	1200657	23.244	ppbv	95
26) Hexane	5.195	57	1009650	9.732	ppbv #	39
34) 2-Butanone	4.771	43	320565	2.583	ppbv	97
35) Carbon Tetrachloride	6.475	117	12252m	0.071	ppbv	
36) Benzene	6.349	78	132483	0.616	ppbv	92
44) 2,2,4-Trimethylpentane	7.304	57	43466m	0.120	ppbv	
51) 2-Hexanone	9.549	43	29765m	0.189	ppbv	
52) Tetrachloroethene	10.590	164	1818m	0.025	ppbv	
53) Toluene	9.198	91	111139	0.472	ppbv	98
59) m/p-Xylene	12.352	91	134680	0.477	ppbv	96
60) o-Xylene	13.040	91	19082m	0.070	ppbv	

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

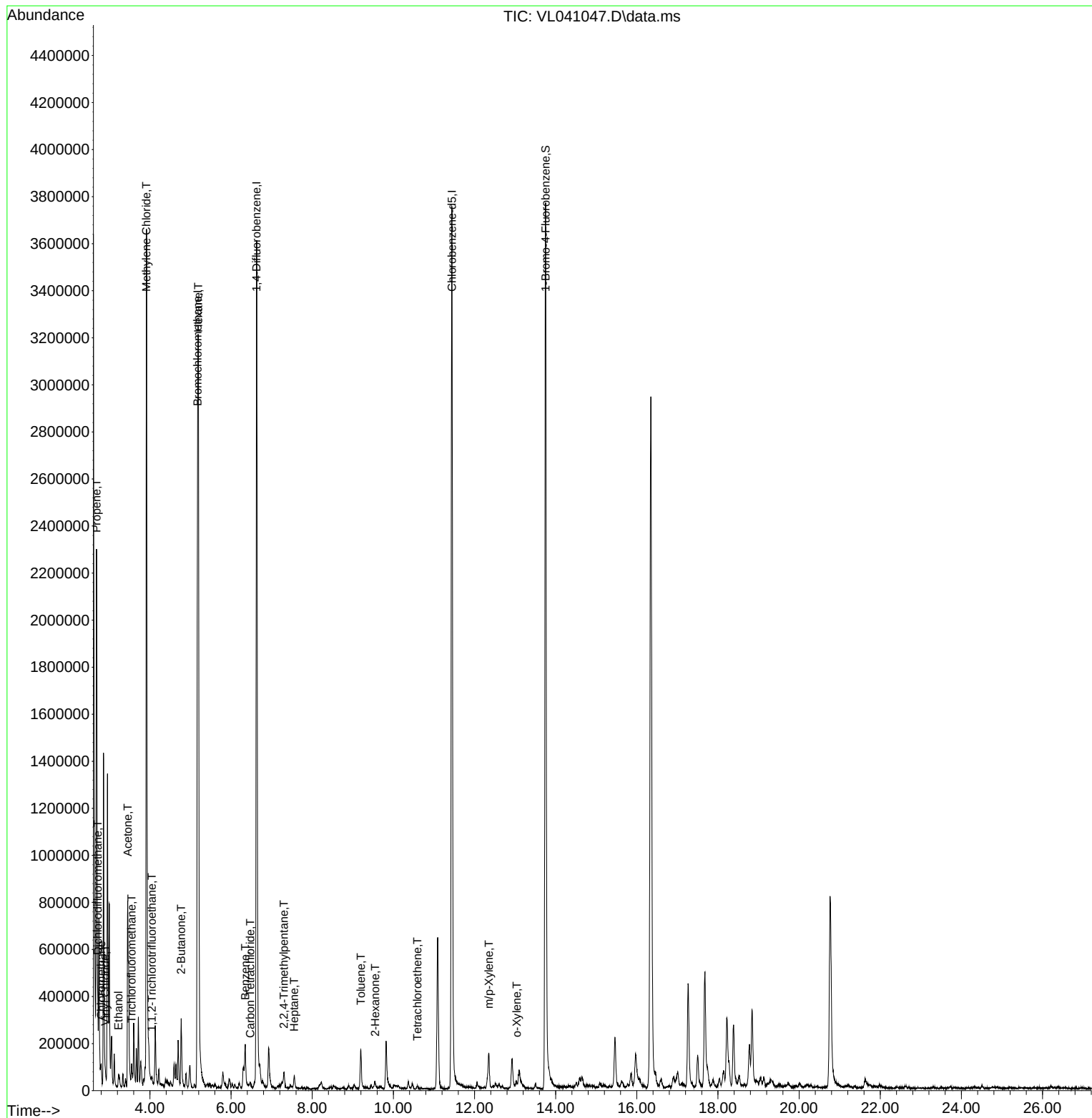
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL020724\
Data File : VL041047.D
Acq On : 7 Feb 2024 22:46
Operator : SY/MD
Sample : P1393-01
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

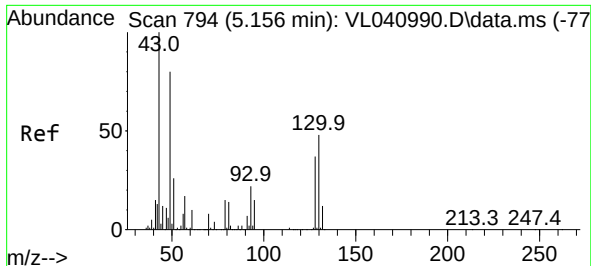
Instrument :
MSVOA_L
ClientSampleId :
SV-2

Quant Time: Feb 08 02:47:08 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 : Thu Feb 08 02:04:13 2024
Response via : Initial Calibration

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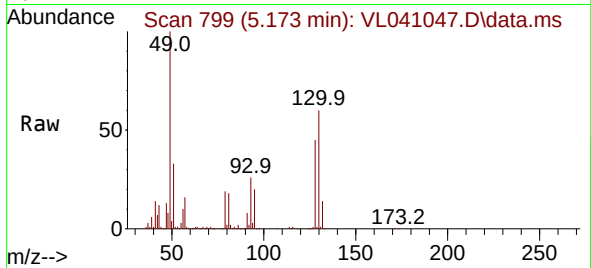
Reviewed By : Semsettin Yesilyurt 02/08/2024
Supervised By : Mahesh Dadoda 02/08/2024





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.173 min Scan# 794
Delta R.T. 0.007 min
Lab File: VL041047.D
Acq: 7 Feb 2024 22:46

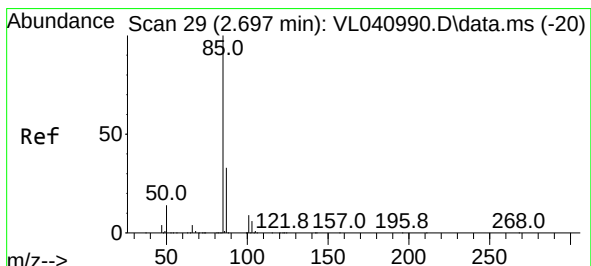
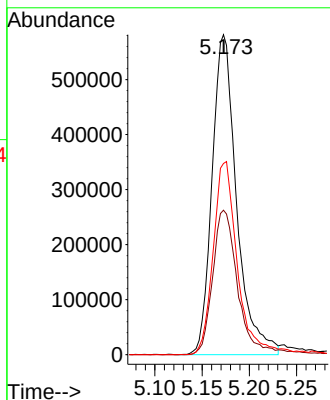
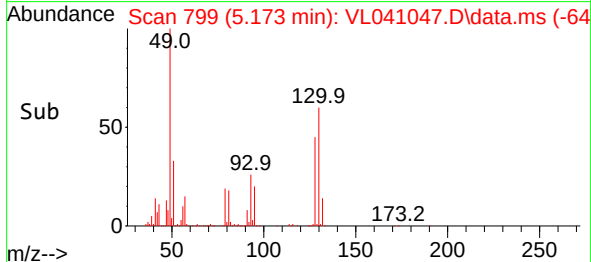
Instrument :
MSVOA_L
ClientSampleId :
SV-2



Tgt Ion: 49 Resp: 1049730
Ion Ratio Lower Upper
49 100
128 47.2 23.9 71.7
130 61.1 31.1 93.5

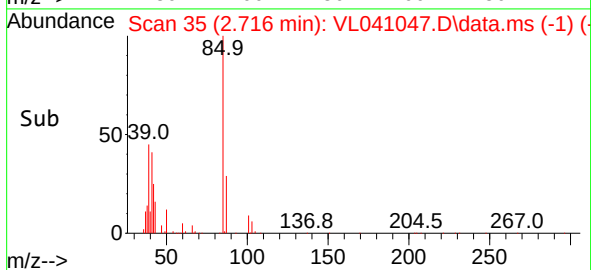
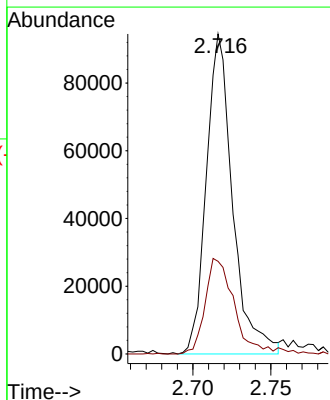
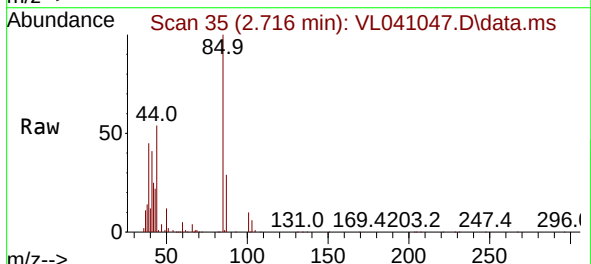
Manual Integrations
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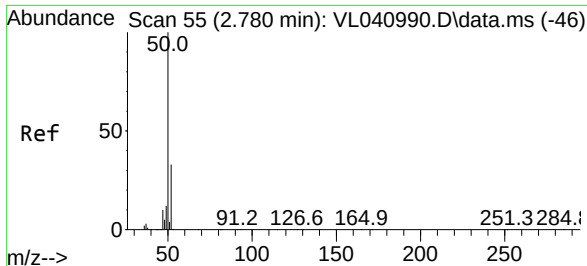
Reviewed By :Semsettin Yesilyurt 02/08/2024
Supervised By :Mahesh Dadoda 02/08/2024



#2
Dichlorodifluoromethane
Concen: 0.478 ppbv
RT: 2.716 min Scan# 35
Delta R.T. 0.013 min
Lab File: VL041047.D
Acq: 7 Feb 2024 22:46

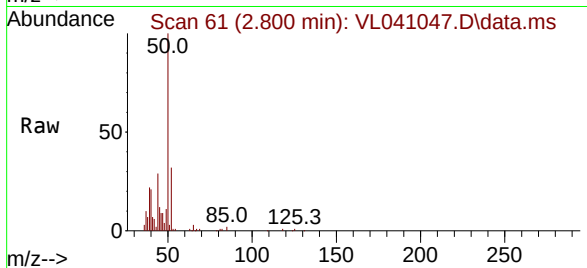
Tgt Ion: 85 Resp: 110761
Ion Ratio Lower Upper
85 100
87 29.0 26.3 39.5





#4
Chloromethane
Concen: 0.801 ppbv
RT: 2.800 min Scan# 61
Delta R.T. 0.013 min
Lab File: VL041047.D
Acq: 7 Feb 2024 22:46

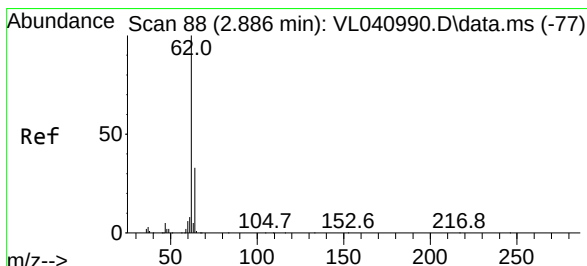
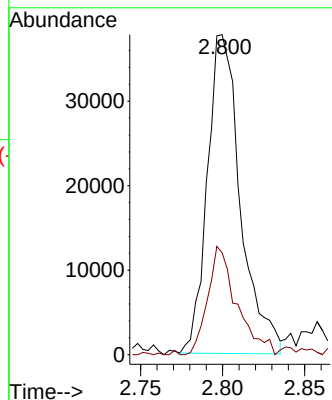
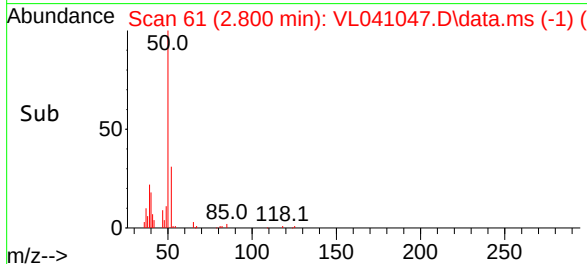
Instrument :
MSVOA_L
ClientSampleId :
SV-2



Tgt Ion: 50 Resp: 53025
Ion Ratio Lower Upper
50 100
52 32.0 26.2 39.4

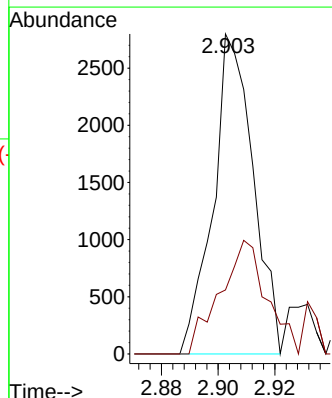
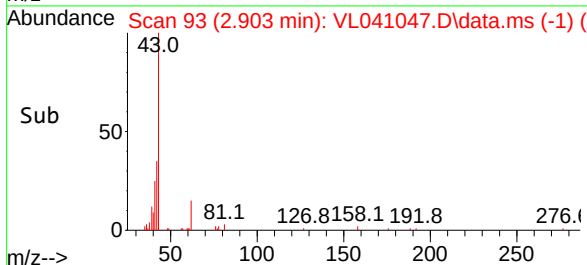
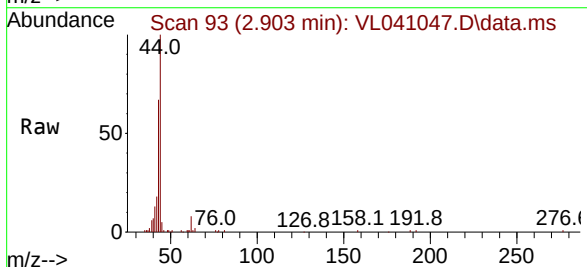
Manual Integrations
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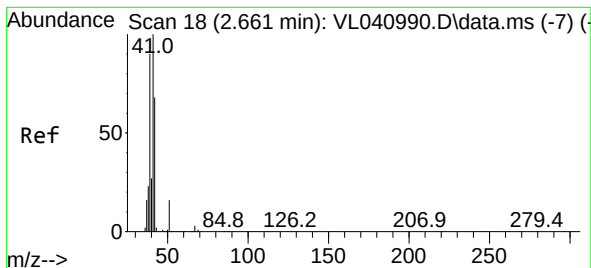
Reviewed By :Semsettin Yesilyurt 02/08/2024
Supervised By :Mahesh Dadoda 02/08/2024



#5
Vinyl Chloride
Concen: 0.042 ppbv
RT: 2.903 min Scan# 93
Delta R.T. 0.010 min
Lab File: VL041047.D
Acq: 7 Feb 2024 22:46

Tgt Ion: 62 Resp: 2739
Ion Ratio Lower Upper
62 100
64 20.0 26.6 40.0#





#9

Propene

Concen: 14.963 ppbv

RT: 2.681 min Scan# 24

Delta R.T. 0.013 min

Lab File: VL041047.D

Acq: 7 Feb 2024 22:46

Instrument :

MSVOA_L

ClientSampleId :

SV-2

Tgt Ion: 41 Resp: 866550

Ion Ratio Lower Upper

41 100

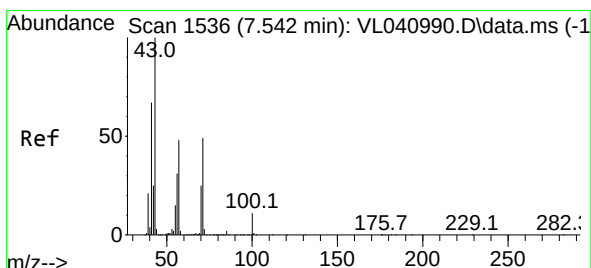
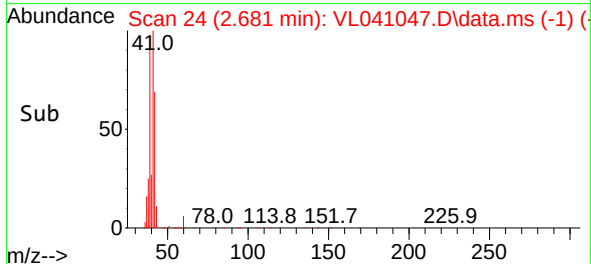
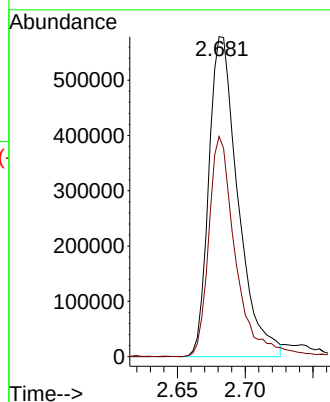
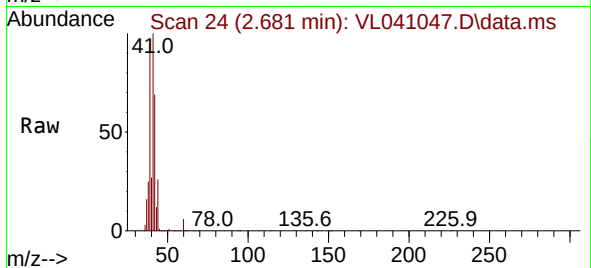
42 63.8 59.0 88.4

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 02/08/2024

Supervised By :Mahesh Dadoda 02/08/2024



#10

Heptane

Concen: 0.142 ppbv m

RT: 7.555 min Scan# 1540

Delta R.T. 0.003 min

Lab File: VL041047.D

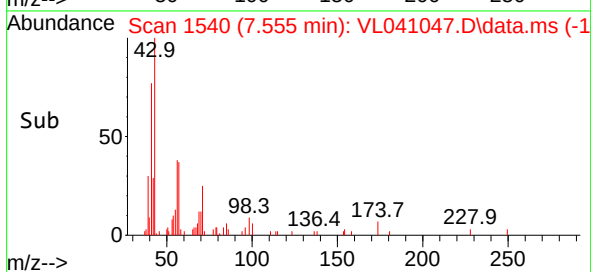
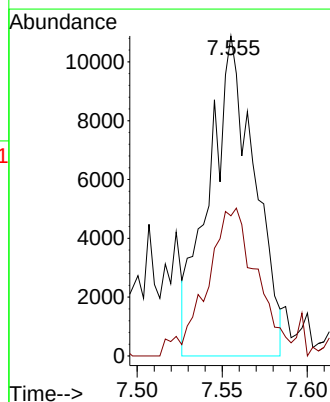
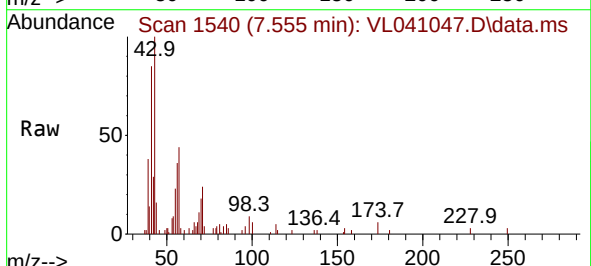
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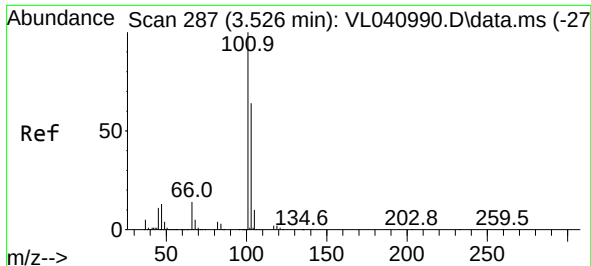
Tgt Ion: 43 Resp: 20206

Ion Ratio Lower Upper

43 100

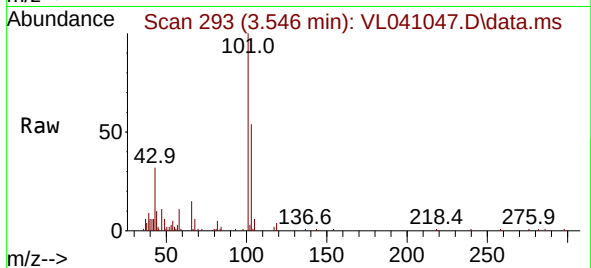
57 0.0 39.4 59.2#





#11
Trichlorofluoromethane
Concen: 0.218 ppbv
RT: 3.546 min Scan# 293
Delta R.T. 0.013 min
Lab File: VL041047.D
Acq: 7 Feb 2024 22:46

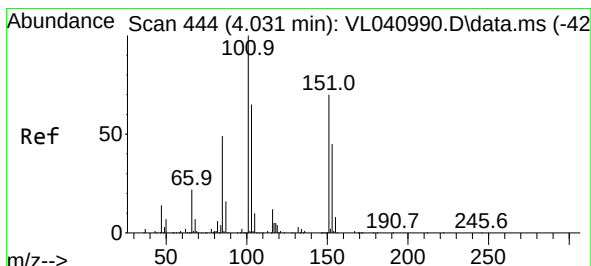
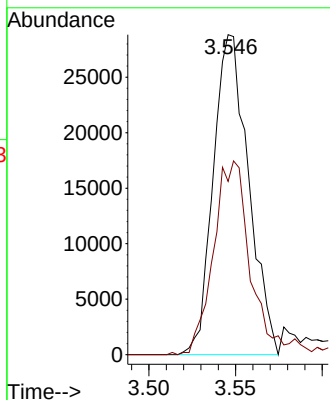
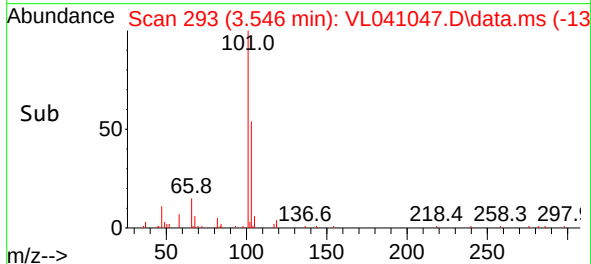
Instrument :
MSVOA_L
ClientSampleId :
SV-2



Tgt Ion:101 Resp: 4079
Ion Ratio Lower Upper
101 100
103 54.2 51.4 77.2

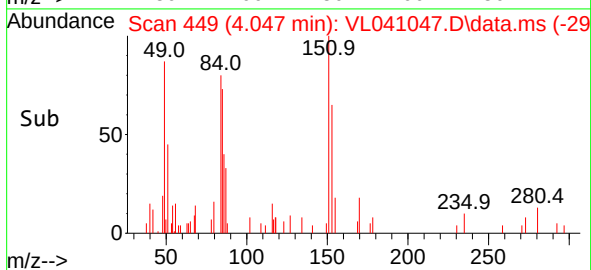
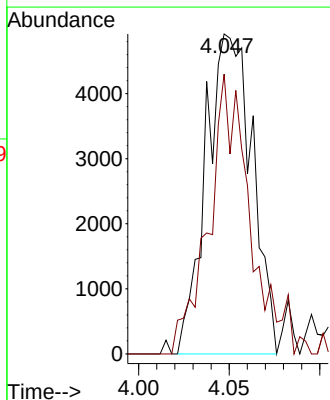
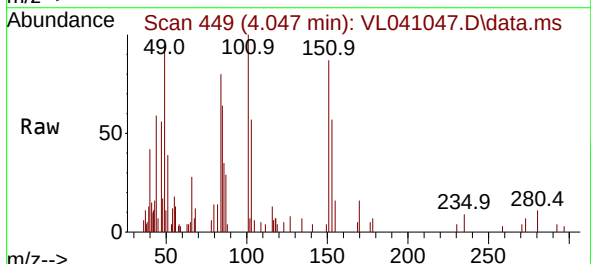
Manual Integrations
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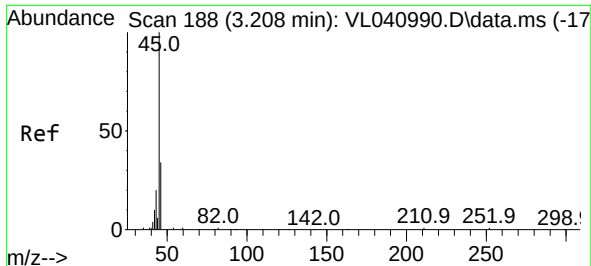
Reviewed By :Semsettin Yesilyurt 02/08/2024
Supervised By :Mahesh Dadoda 02/08/2024



#12
1,1,2-Trichlorotrifluoroethane
Concen: 0.065 ppbv m
RT: 4.047 min Scan# 449
Delta R.T. 0.007 min
Lab File: VL041047.D
Acq: 7 Feb 2024 22:46

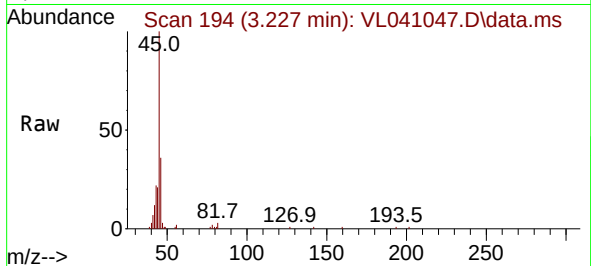
Tgt Ion:101 Resp: 8739
Ion Ratio Lower Upper
101 100
151 78.4 56.6 85.0





#13
Ethanol
Concen: 4.747 ppbv m
RT: 3.227 min Scan# 194
Delta R.T. 0.013 min
Lab File: VL041047.D
Acq: 7 Feb 2024 22:46

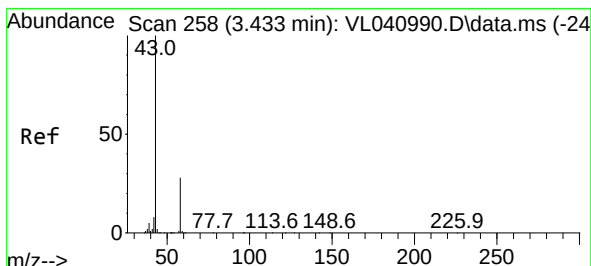
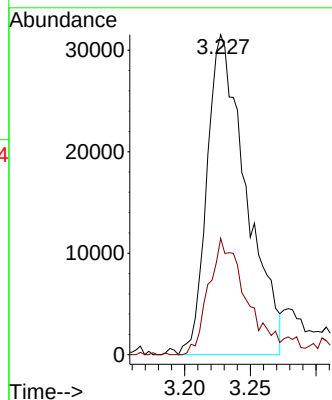
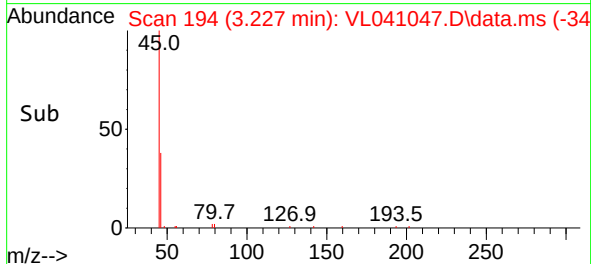
Instrument :
MSVOA_L
ClientSampleId :
SV-2



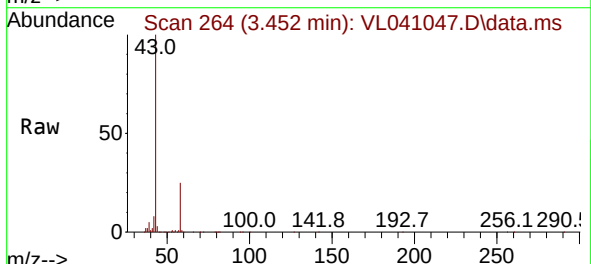
Tgt Ion: 45 Resp: 65520
Ion Ratio Lower Upper
45 100
46 36.8 16.2 64.8

Manual Integrations
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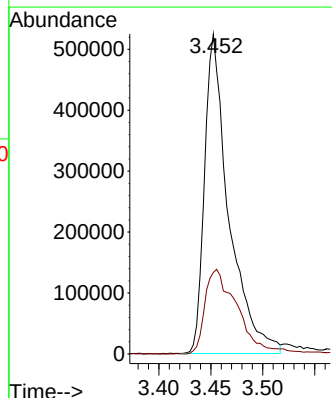
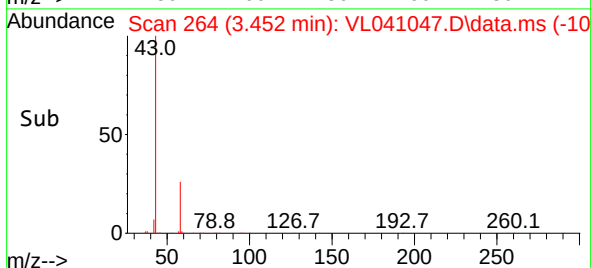
Reviewed By :Semsettin Yesilyurt 02/08/2024
Supervised By :Mahesh Dadoda 02/08/2024

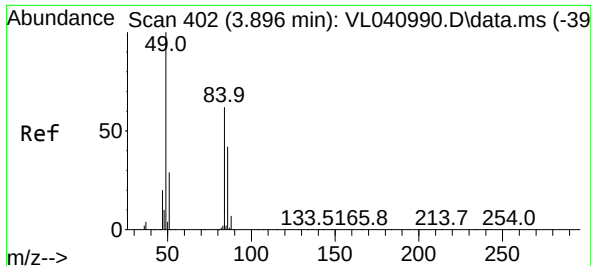


#15
Acetone
Concen: 6.340 ppbv
RT: 3.452 min Scan# 264
Delta R.T. 0.013 min
Lab File: VL041047.D
Acq: 7 Feb 2024 22:46



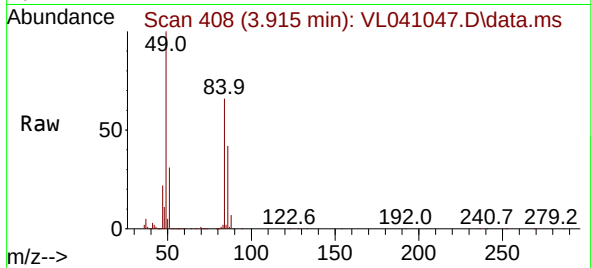
Tgt Ion: 43 Resp: 851036
Ion Ratio Lower Upper
43 100
58 36.3 22.2 33.2#





#20
Methylene Chloride
Concen: 23.244 ppbv
RT: 3.915 min Scan# 408
Delta R.T. 0.010 min
Lab File: VL041047.D
Acq: 7 Feb 2024 22:46

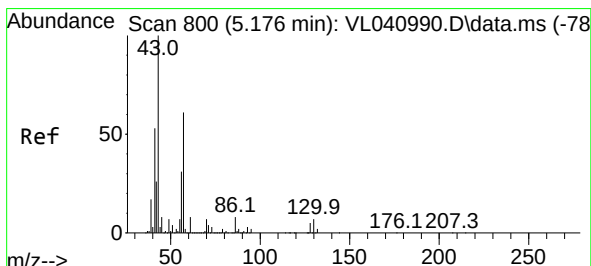
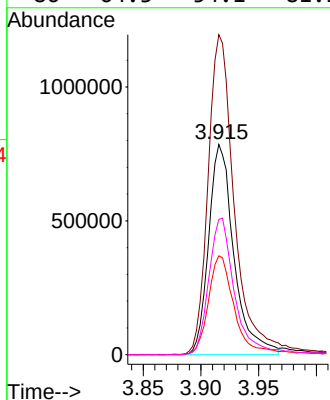
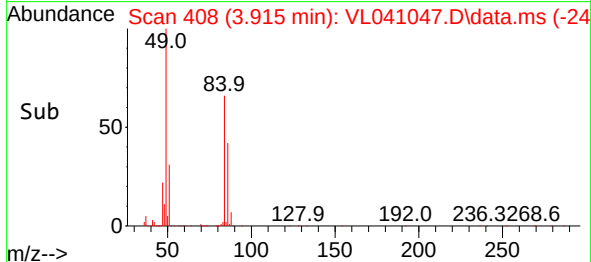
Instrument :
MSVOA_L
ClientSampleId :
SV-2



Tgt Ion: 84 Resp: 120065
Ion Ratio Lower Upper
84 100
49 152.1 128.1 192.1
51 46.8 36.5 54.7
86 64.3 54.1 81.1

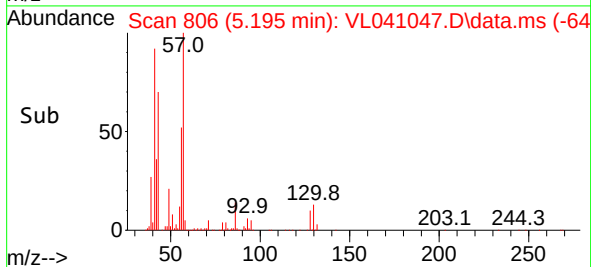
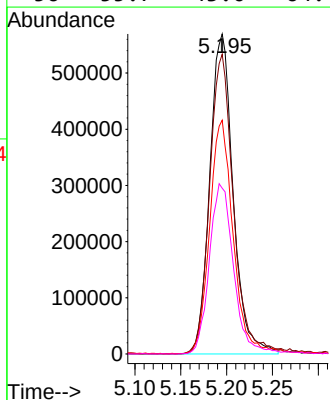
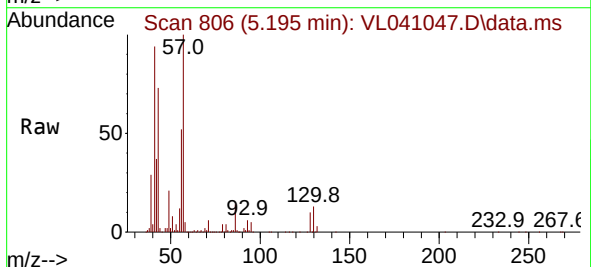
Manual Integrations
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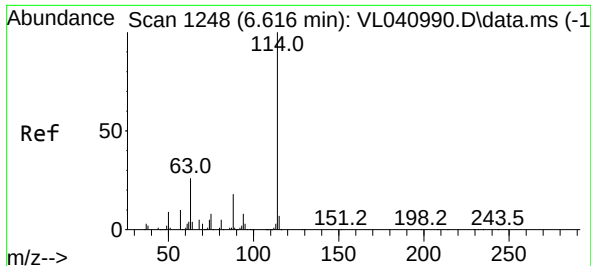
Reviewed By :Semsettin Yesilyurt 02/08/2024
Supervised By :Mahesh Dadoda 02/08/2024



#26
Hexane
Concen: 9.732 ppbv
RT: 5.195 min Scan# 806
Delta R.T. 0.010 min
Lab File: VL041047.D
Acq: 7 Feb 2024 22:46

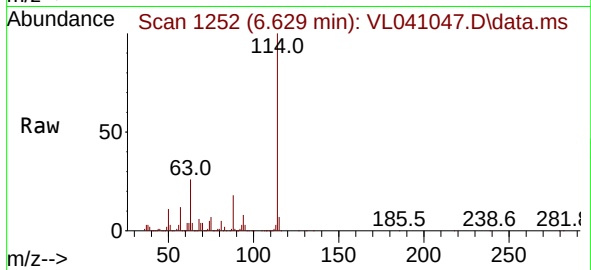
Tgt Ion: 57 Resp: 1009650
Ion Ratio Lower Upper
57 100
41 96.8 74.4 111.6
43 74.5 190.6 285.8#
56 55.7 43.0 64.4





#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 6.629 min Scan# 114
Delta R.T. 0.003 min
Lab File: VL041047.D
Acq: 7 Feb 2024 22:46

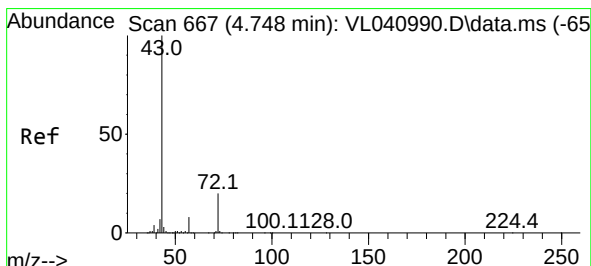
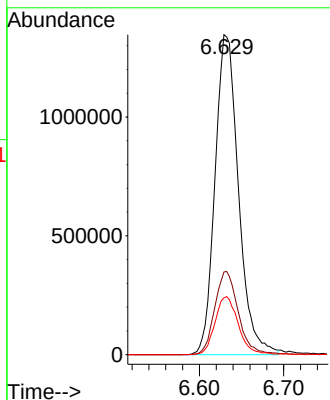
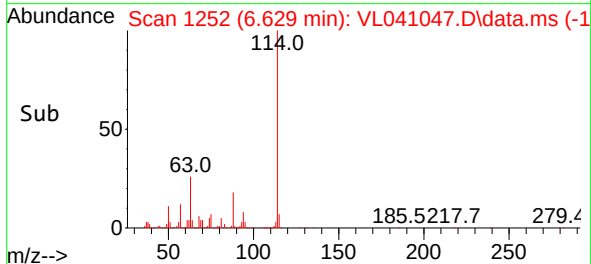
Instrument :
MSVOA_L
ClientSampleId :
SV-2



Tgt Ion:114 Resp: 260513
Ion Ratio Lower Upper
114 100
63 26.5 20.8 31.2
88 18.2 14.3 21.5

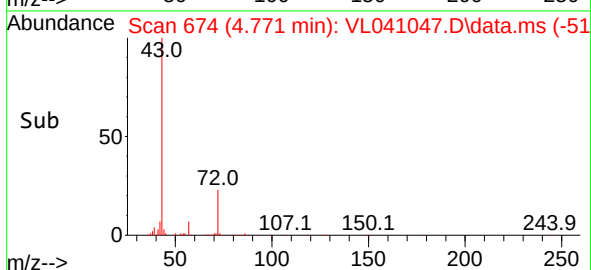
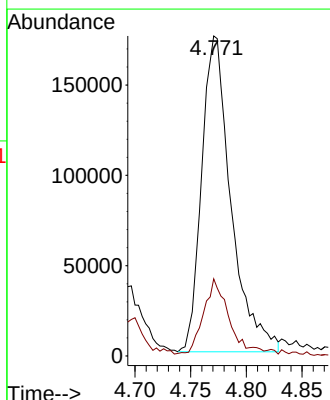
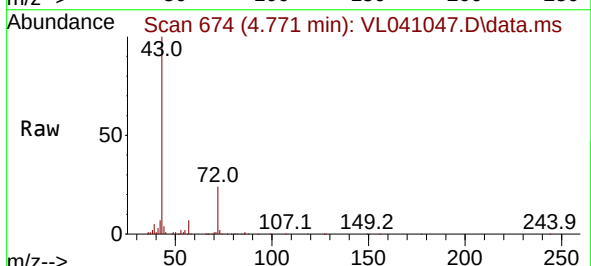
Manual Integrations
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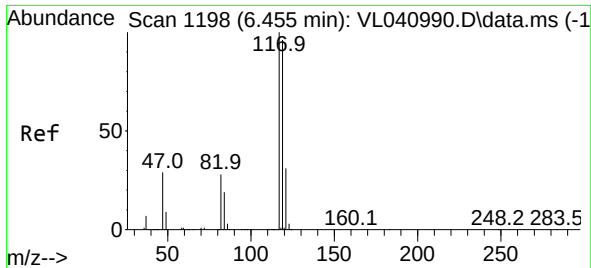
Reviewed By :Semsettin Yesilyurt 02/08/2024
Supervised By :Mahesh Dadoda 02/08/2024



#34
2-Butanone
Concen: 2.583 ppbv
RT: 4.771 min Scan# 674
Delta R.T. 0.013 min
Lab File: VL041047.D
Acq: 7 Feb 2024 22:46

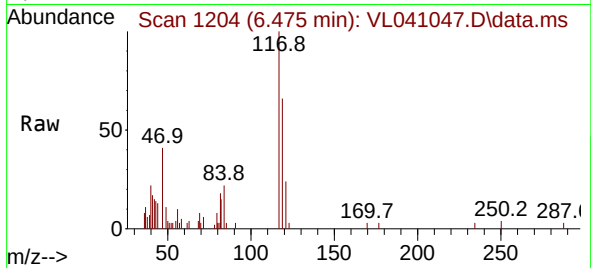
Tgt Ion: 43 Resp: 320565
Ion Ratio Lower Upper
43 100
72 23.4 17.5 26.3





#35
Carbon Tetrachloride
Concen: 0.071 ppbv m
RT: 6.475 min Scan# 1198
Delta R.T. 0.010 min
Lab File: VL041047.D
Acq: 7 Feb 2024 22:46

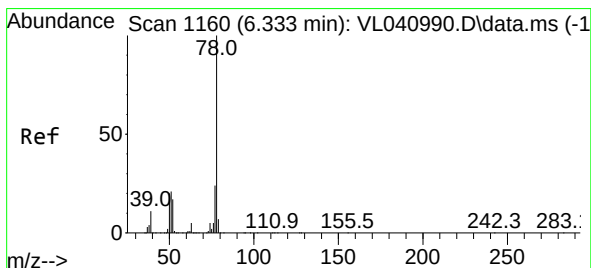
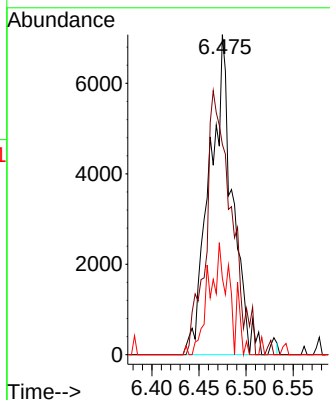
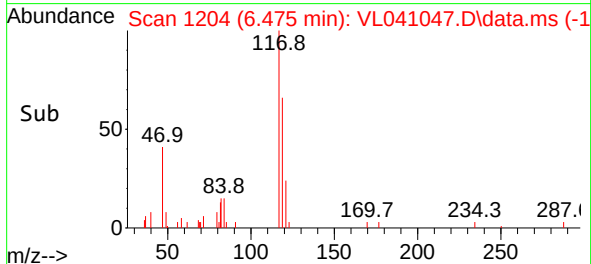
Instrument :
MSVOA_L
ClientSampleId :
SV-2



Tgt Ion: 117 Resp: 1225
Ion Ratio Lower Upper
117 100
119 65.7 76.9 115.3
121 23.9 24.7 37.1

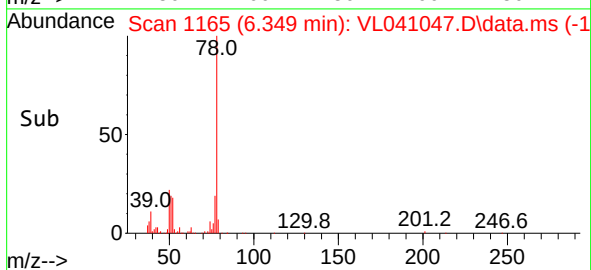
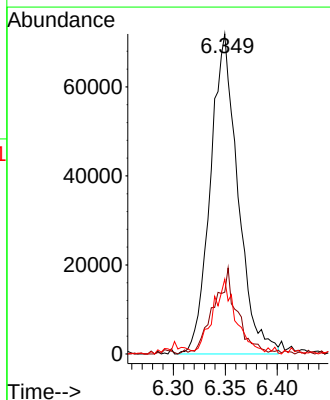
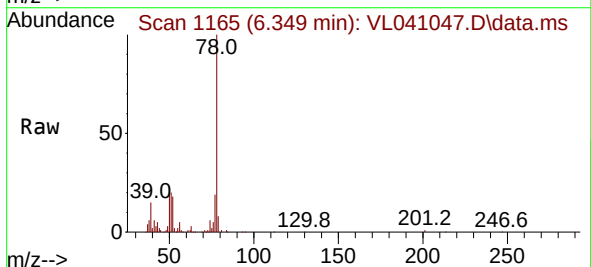
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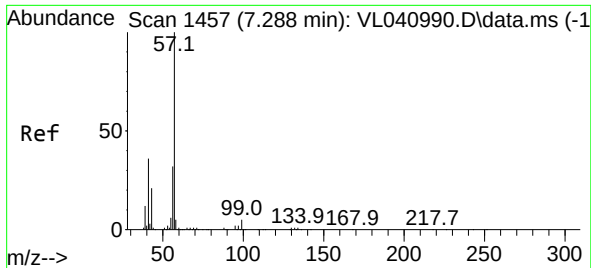
Reviewed By :Semsettin Yesilyurt 02/08/2024
Supervised By :Mahesh Dadoda 02/08/2024



#36
Benzene
Concen: 0.616 ppbv
RT: 6.349 min Scan# 1165
Delta R.T. 0.007 min
Lab File: VL041047.D
Acq: 7 Feb 2024 22:46

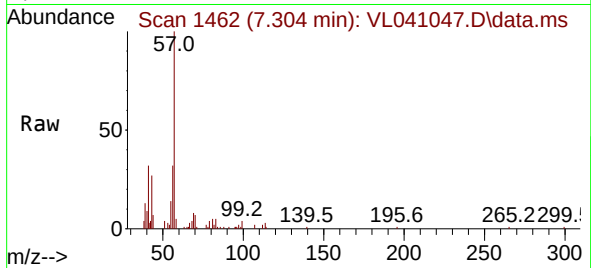
Tgt Ion: 78 Resp: 132483
Ion Ratio Lower Upper
78 100
77 19.4 19.0 28.4
50 23.2 15.8 23.6





#44
2,2,4-Trimethylpentane
Concen: 0.120 ppbv m
RT: 7.304 min Scan# 1457
Delta R.T. 0.007 min
Lab File: VL041047.D
Acq: 7 Feb 2024 22:46

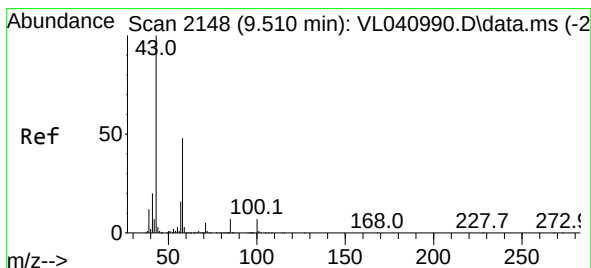
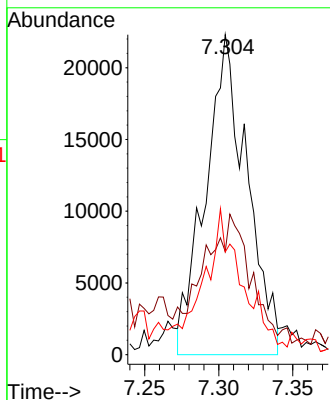
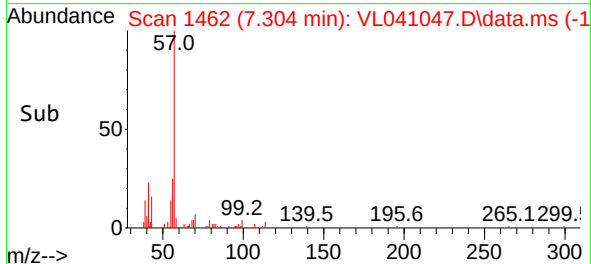
Instrument :
MSVOA_L
ClientSampleId :
SV-2



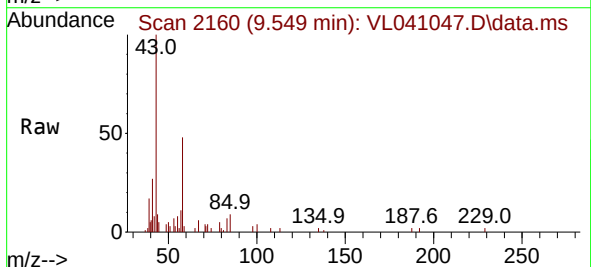
Tgt Ion: 57 Resp: 43460
Ion Ratio Lower Upper
57 100
41 50.1 28.6 43.0#
56 48.1 25.2 37.8#

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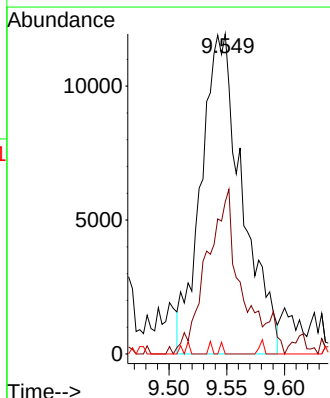
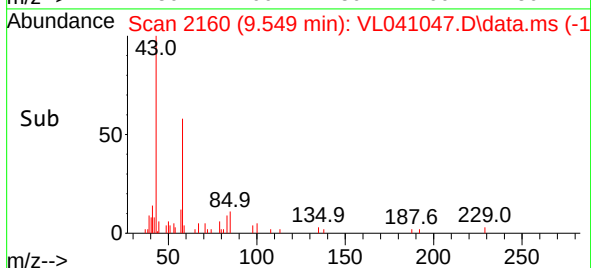
Reviewed By :Semsettin Yesilyurt 02/08/2024
Supervised By :Mahesh Dadoda 02/08/2024

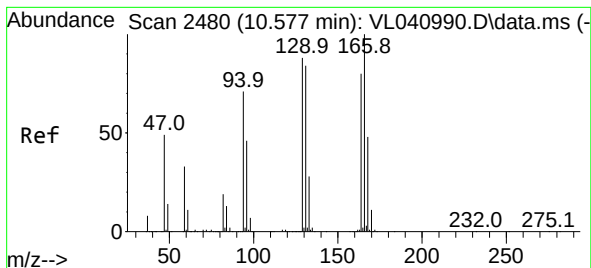


#51
2-Hexanone
Concen: 0.189 ppbv m
RT: 9.549 min Scan# 2160
Delta R.T. 0.026 min
Lab File: VL041047.D
Acq: 7 Feb 2024 22:46



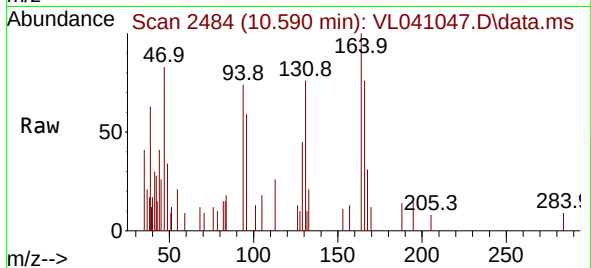
Tgt Ion: 43 Resp: 29765
Ion Ratio Lower Upper
43 100
58 0.0 36.8 55.2#
98 0.0 0.3 0.5#





#52
Tetrachloroethene
Concen: 0.025 ppbv m
RT: 10.590 min Scan# 2484
Delta R.T. 0.007 min
Lab File: VL041047.D
Acq: 7 Feb 2024 22:46

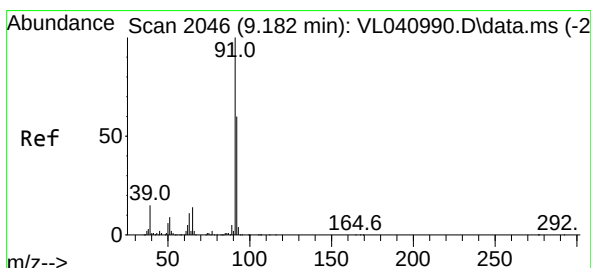
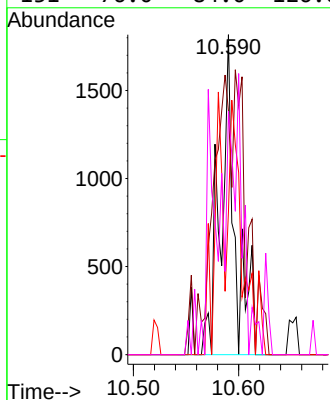
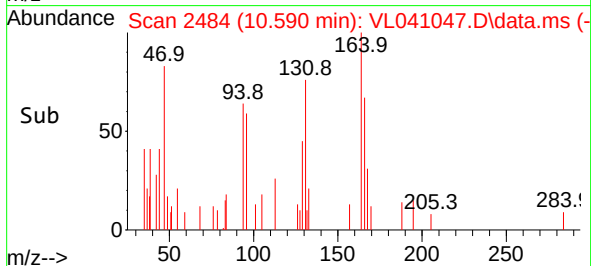
Instrument :
MSVOA_L
ClientSampleId :
SV-2



Tgt Ion:164 Resp: 1818
Ion Ratio Lower Upper
164 100
166 76.2 100.2 150.2
129 44.6 87.9 131.9
131 76.0 84.0 126.0

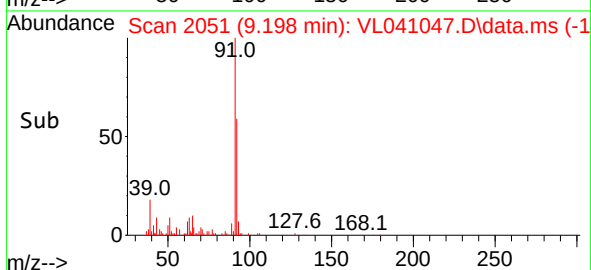
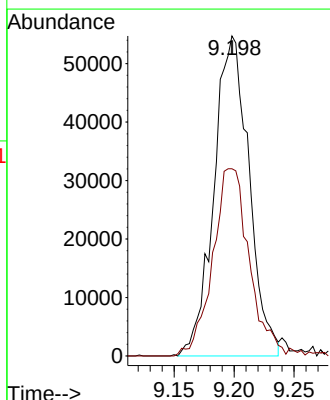
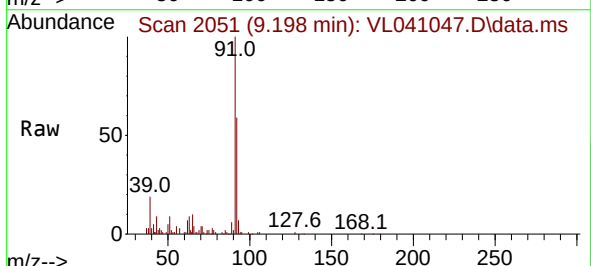
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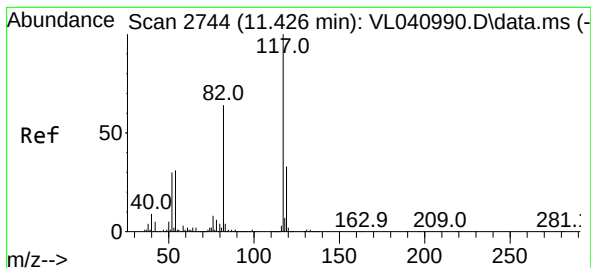
Reviewed By :Semsettin Yesilyurt 02/08/2024
Supervised By :Mahesh Dadoda 02/08/2024



#53
Toluene
Concen: 0.472 ppbv
RT: 9.198 min Scan# 2051
Delta R.T. 0.003 min
Lab File: VL041047.D
Acq: 7 Feb 2024 22:46

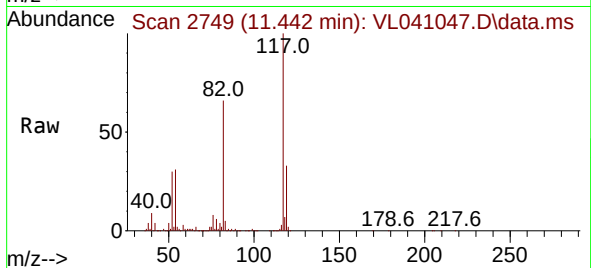
Tgt Ion: 91 Resp: 111139
Ion Ratio Lower Upper
91 100
92 61.9 48.6 72.8





#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.442 min Scan# 21
Delta R.T. 0.003 min
Lab File: VL041047.D
Acq: 7 Feb 2024 22:46

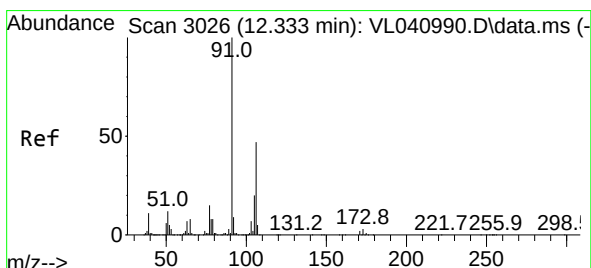
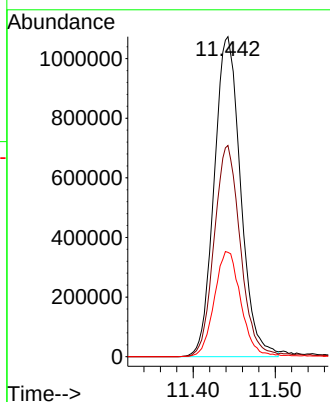
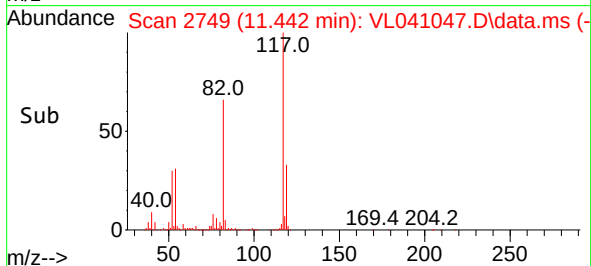
Instrument :
MSVOA_L
ClientSampleId :
SV-2



Tgt Ion:117 Resp: 2409629
Ion Ratio Lower Upper
117 100
82 66.3 51.7 77.5
119 33.4 23.8 35.6

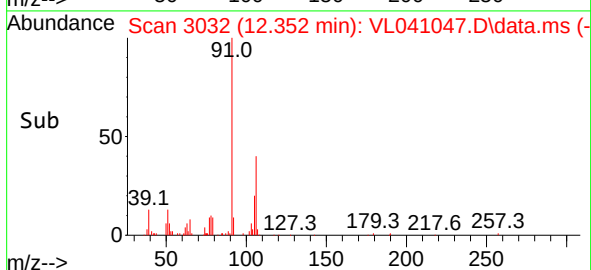
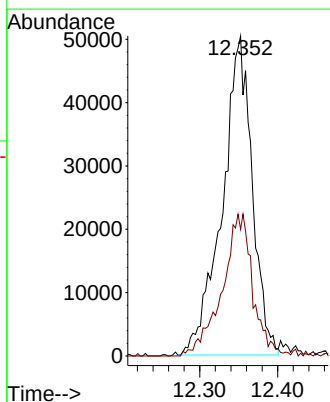
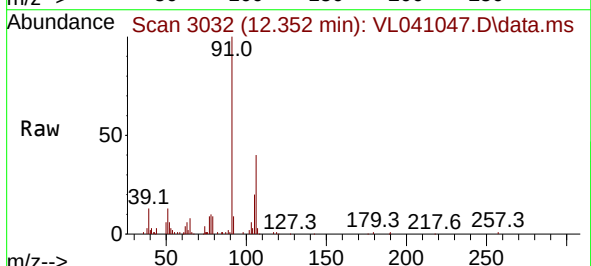
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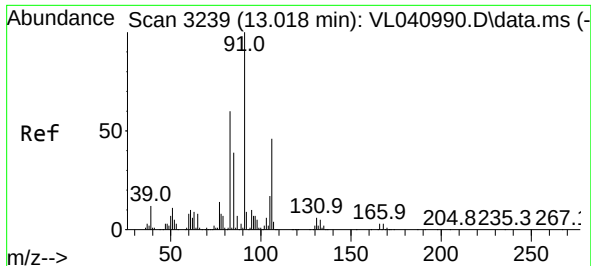
Reviewed By :Semsettin Yesilyurt 02/08/2024
Supervised By :Mahesh Dadoda 02/08/2024



#59
m/p-Xylene
Concen: 0.477 ppbv
RT: 12.352 min Scan# 3032
Delta R.T. 0.003 min
Lab File: VL041047.D
Acq: 7 Feb 2024 22:46

Tgt Ion: 91 Resp: 134680
Ion Ratio Lower Upper
91 100
106 45.9 34.9 52.3





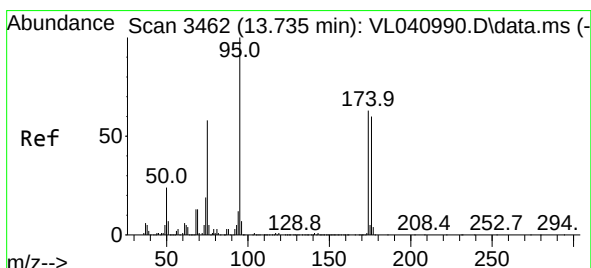
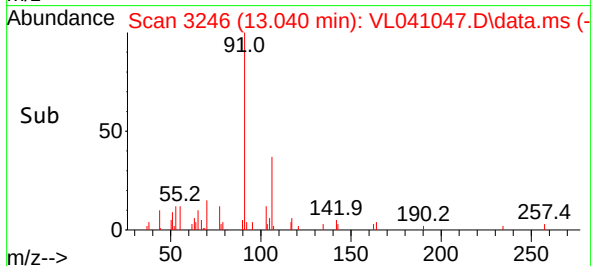
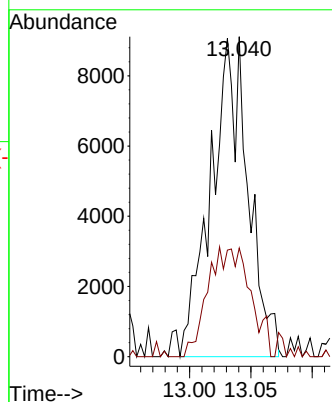
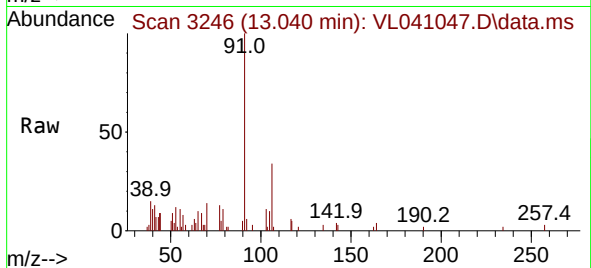
#60
o-Xylene
Concen: 0.070 ppbv m
RT: 13.040 min Scan# 31
Delta R.T. 0.010 min
Lab File: VL041047.D
Acq: 7 Feb 2024 22:46

Instrument :
MSVOA_L
ClientSampleId :
SV-2

Tgt Ion: 91 Resp: 1908
Ion Ratio Lower Upper
91 100
106 0.0 22.6 67.7

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 02/08/2024
Supervised By :Mahesh Dadoda 02/08/2024



#68
1-Bromo-4-Fluorobenzene
Concen: 10.364 ppbv
RT: 13.751 min Scan# 3467
Delta R.T. 0.003 min
Lab File: VL041047.D
Acq: 7 Feb 2024 22:46

Tgt Ion: 95 Resp: 1886228
Ion Ratio Lower Upper
95 100
174 60.8 49.1 73.7
175 4.4 3.7 5.5

