

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL012324\
 Data File : VL041007.D
 Acq On : 23 Jan 2024 22:08
 Operator : SY/MD
 Sample : P1212-01 2X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SV1

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 01/24/2024
 Supervised By : Mahesh Dadoda 01/24/2024

Quant Time: Jan 24 01:02:06 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 : Wed Jan 24 00:50:15 2024

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.160	49	1062281	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.616	114	2695673	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.420	117	2423961	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 13.732 95 2289344 12.504 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 125.000%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.710	85	68643	0.293	ppbv	99
3) Chlorodifluoromethane	2.652	51	25093m	0.140	ppbv	
4) Chloromethane	2.790	50	30680	0.458	ppbv	97
9) Propene	2.681	41	90518	1.545	ppbv #	77
10) Heptane	7.542	43	222887	1.545	ppbv	99
11) Trichlorofluoromethane	3.539	101	25400	0.134	ppbv	88
13) Ethanol	3.221	45	53862	3.856	ppbv	98
15) Acetone	3.443	43	866446	6.378	ppbv	93
20) Methylene Chloride	3.906	84	1985569	37.985	ppbv	93
25) Ethyl Acetate	5.182	43	2023831	8.216	ppbv #	76
26) Hexane	5.182	57	2940143	28.004	ppbv #	37
29) Chloroform	5.243	83	14449m	0.078	ppbv	
34) 2-Butanone	4.758	43	335787	2.615	ppbv	95
36) Benzene	6.333	78	52634	0.236	ppbv #	92
38) Trichloroethene	7.253	130	4249m	0.048	ppbv	
41) Tetrahydrofuran	5.526	42	258272	2.962	ppbv	99
44) 2,2,4-Trimethylpentane	7.291	57	45679m	0.122	ppbv	
52) Tetrachloroethene	10.571	164	109259	1.478	ppbv	94
53) Toluene	9.179	91	187048	0.767	ppbv	98
58) Ethyl Benzene	12.047	91	89321	0.274	ppbv	97
59) m/p-Xylene	12.298	91	124447m	0.439	ppbv	
60) o-Xylene	13.011	91	56623m	0.208	ppbv	
62) Isopropylbenzene	13.992	105	64159	0.159	ppbv	97

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

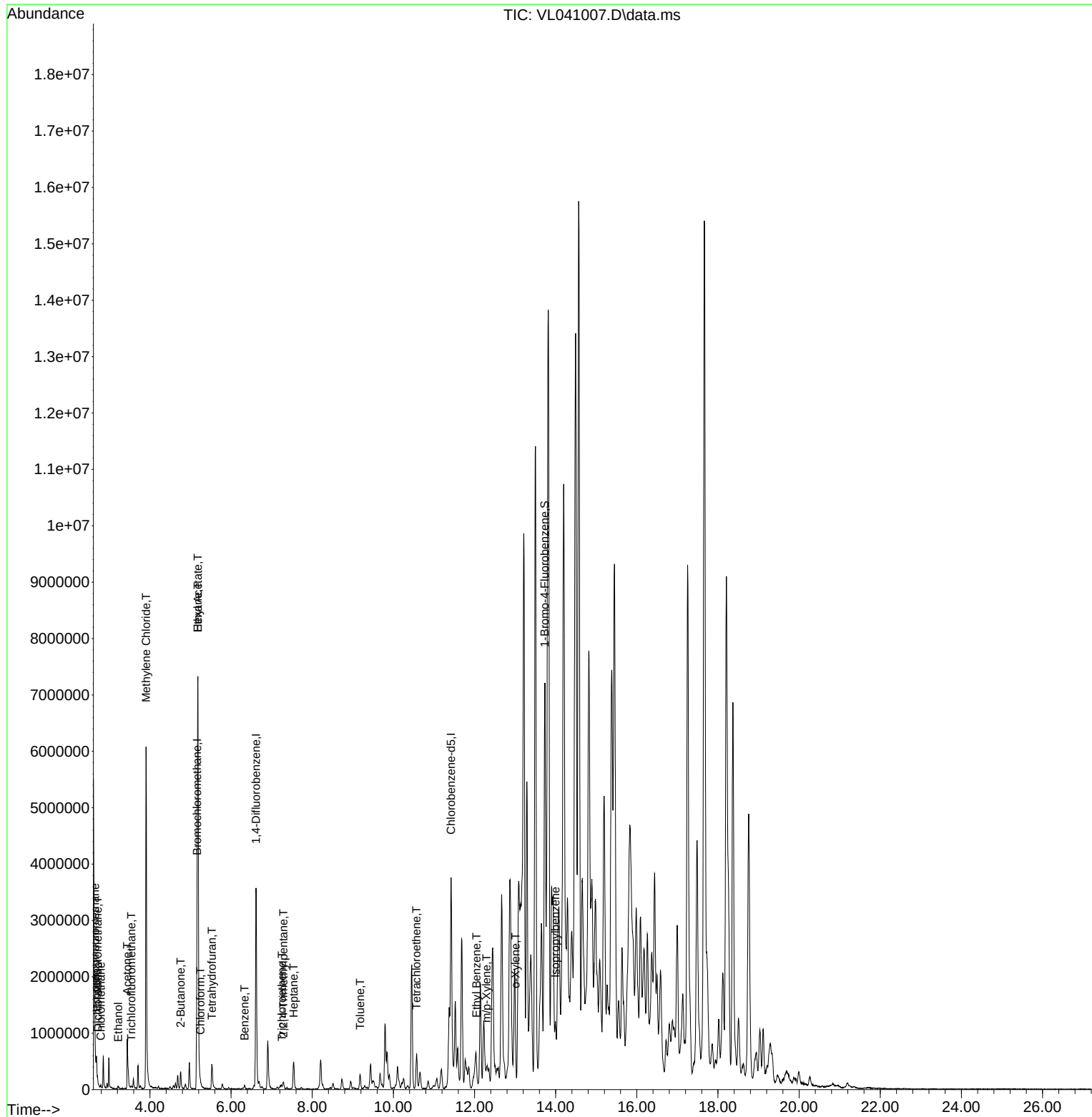
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL012324\
Data File : VL041007.D
Acq On : 23 Jan 2024 22:08
Operator : SY/MD
Sample : P1212-01 2X
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

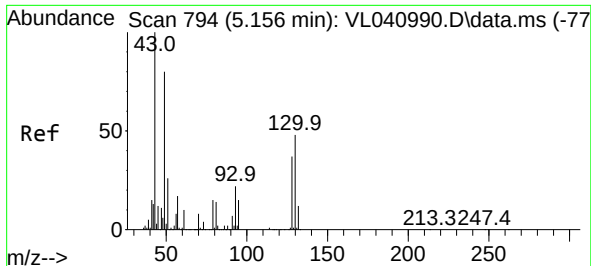
Instrument :
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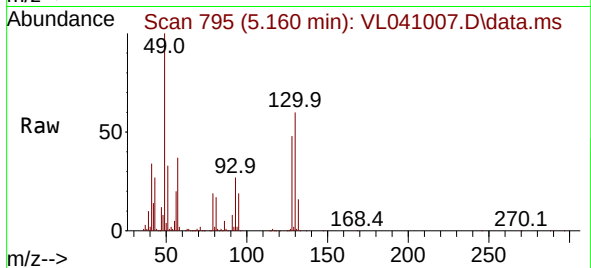
Quant Time: Jan 24 01:02:06 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL012324AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug
QLast Update : Wed Jan 24 00:50:15 2024
Response via : Initial Calibration





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.160 min Scan# 794
Delta R.T. 0.004 min
Lab File: VL041007.D
Acq: 23 Jan 2024 22:08

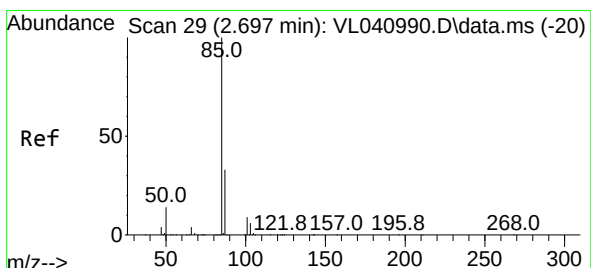
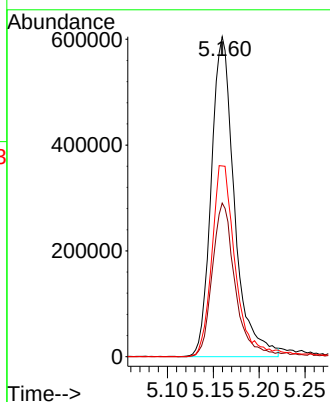
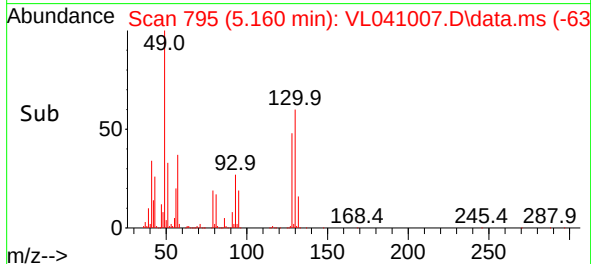
Instrument :
MSVOA_L
ClientSampleId :
SV1



Tgt Ion: 49 Resp: 106228
Ion Ratio Lower Upper
49 100
128 48.3 23.9 71.7
130 62.1 31.1 93.5

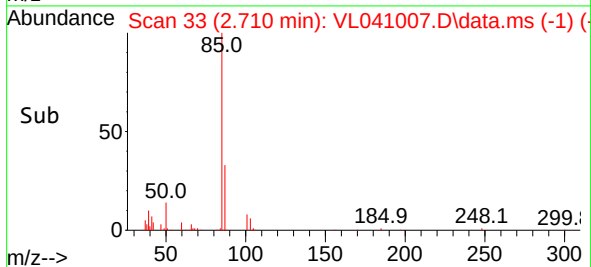
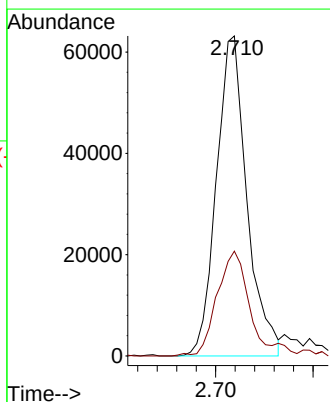
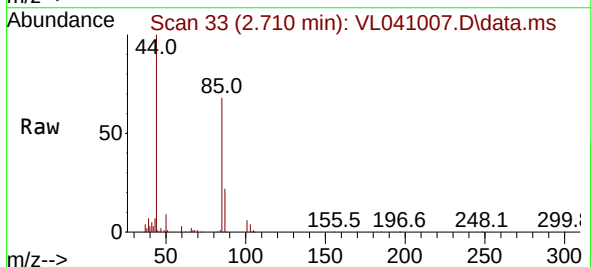
Manual Integrations
APPROVED

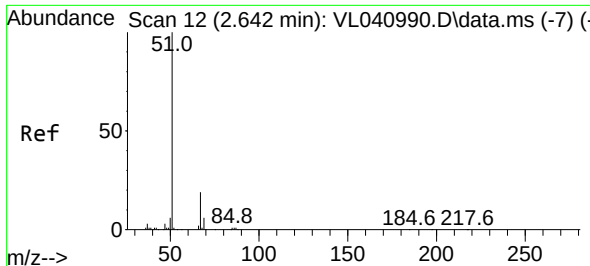
Reviewed By :Semsettin Yesilyurt 01/24/2024
Supervised By :Mahesh Dadoda 01/24/2024



#2
Dichlorodifluoromethane
Concen: 0.293 ppbv
RT: 2.710 min Scan# 33
Delta R.T. 0.013 min
Lab File: VL041007.D
Acq: 23 Jan 2024 22:08

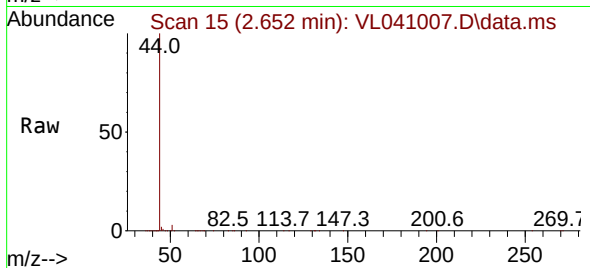
Tgt Ion: 85 Resp: 68643
Ion Ratio Lower Upper
85 100
87 32.5 26.3 39.5





#3
Chlorodifluoromethane
Concen: 0.140 ppbv m
RT: 2.652 min Scan# 11
Delta R.T. 0.010 min
Lab File: VL041007.D
Acq: 23 Jan 2024 22:08

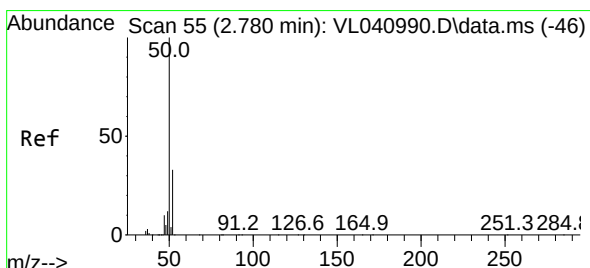
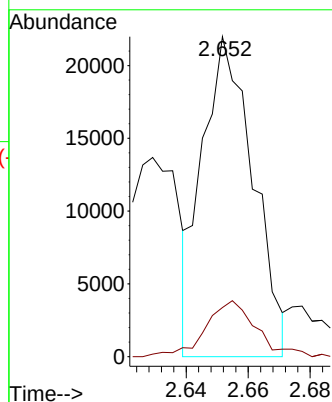
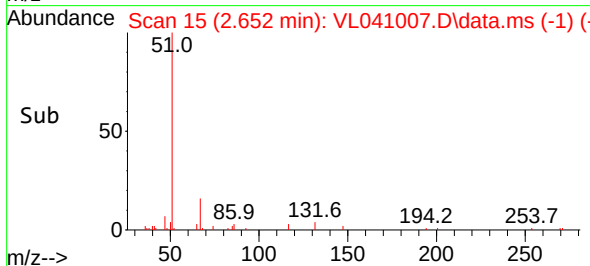
Instrument :
MSVOA_L
ClientSampleId :
SV1



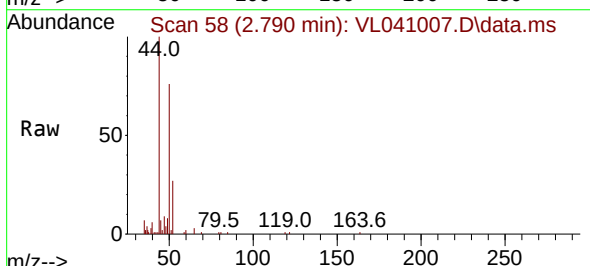
Tgt Ion: 51 Resp: 2509
Ion Ratio Lower Upper
51 100
67 19.1 14.8 22.2

Manual Integrations
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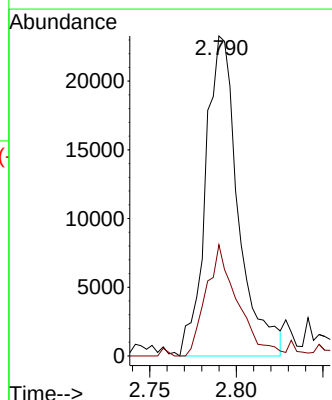
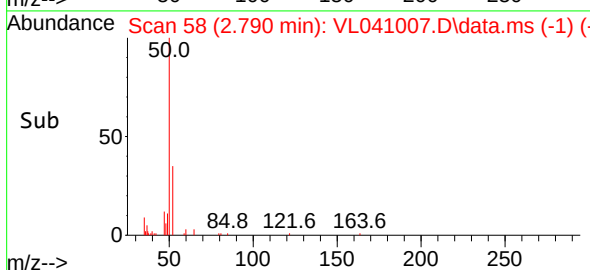
Reviewed By :Semsettin Yesilyurt 01/24/2024
Supervised By :Mahesh Dadoda 01/24/2024

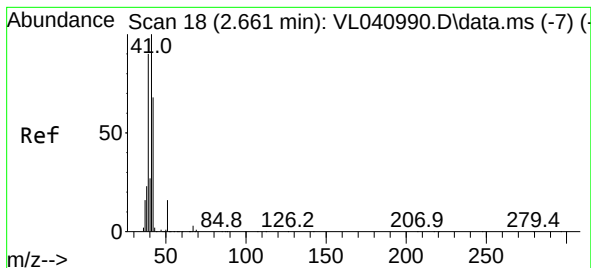


#4
Chloromethane
Concen: 0.458 ppbv
RT: 2.790 min Scan# 58
Delta R.T. 0.010 min
Lab File: VL041007.D
Acq: 23 Jan 2024 22:08



Tgt Ion: 50 Resp: 30680
Ion Ratio Lower Upper
50 100
52 34.7 26.2 39.4





#9

Propene

Concen: 1.545 ppbv

RT: 2.681 min Scan# 24

Delta R.T. 0.019 min

Lab File: VL041007.D

Acq: 23 Jan 2024 22:08

Instrument :

MSVOA_L

ClientSampleId :

SV1

Tgt Ion: 41 Resp: 90518

Ion Ratio Lower Upper

41 100

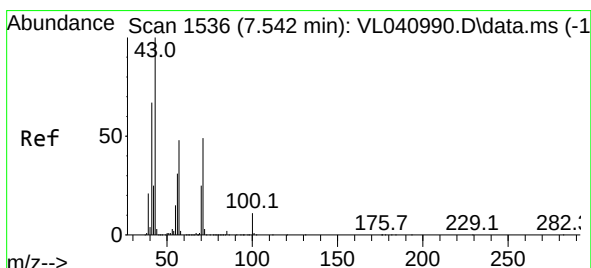
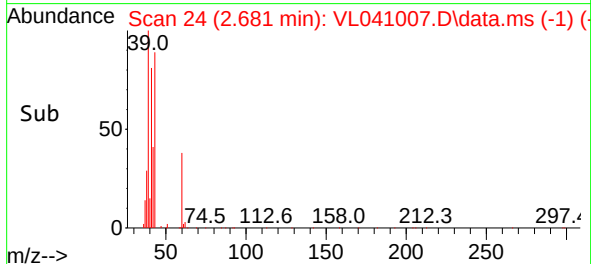
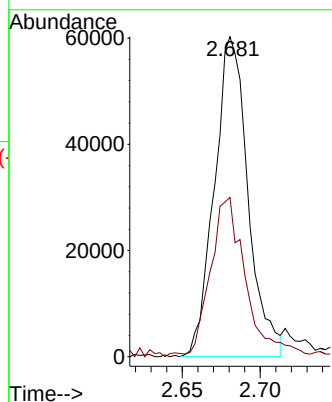
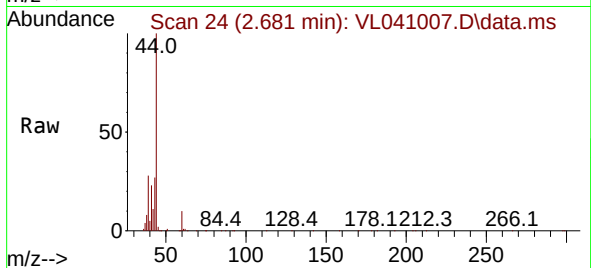
42 54.1 59.0 88.4

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 01/24/2024

Supervised By :Mahesh Dadoda 01/24/2024



#10

Heptane

Concen: 1.545 ppbv

RT: 7.542 min Scan# 1536

Delta R.T. -0.000 min

Lab File: VL041007.D

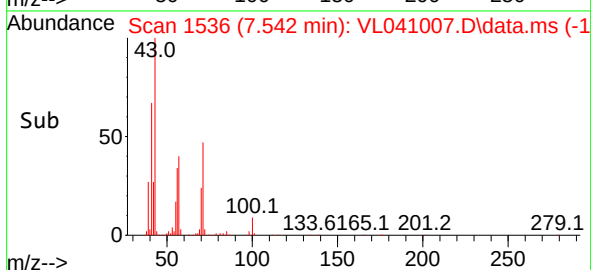
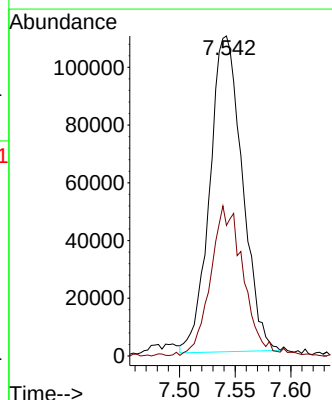
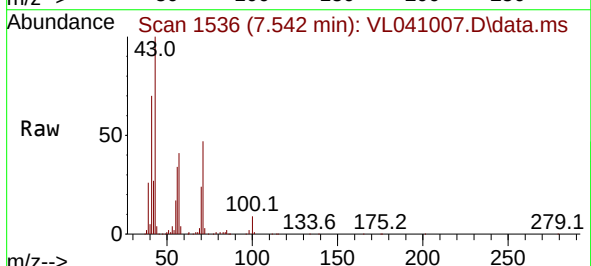
Acq: 23 Jan 2024 22:08

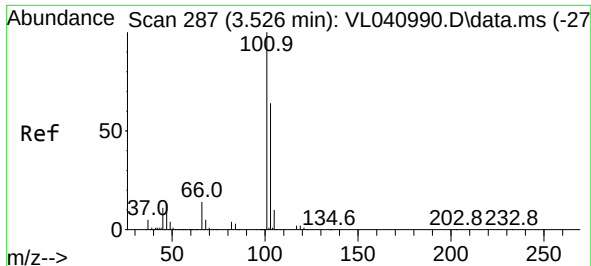
Tgt Ion: 43 Resp: 222887

Ion Ratio Lower Upper

43 100

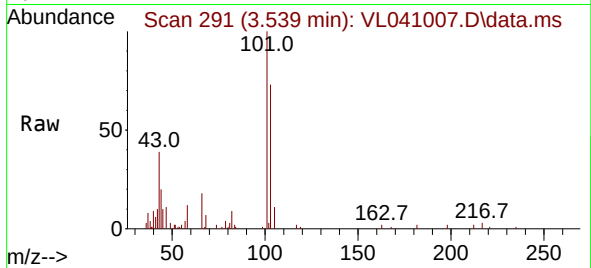
57 48.6 39.4 59.2





#11
 Trichlorofluoromethane
 Concen: 0.134 ppbv
 RT: 3.539 min Scan# 291
 Delta R.T. 0.013 min
 Lab File: VL041007.D
 Acq: 23 Jan 2024 22:08

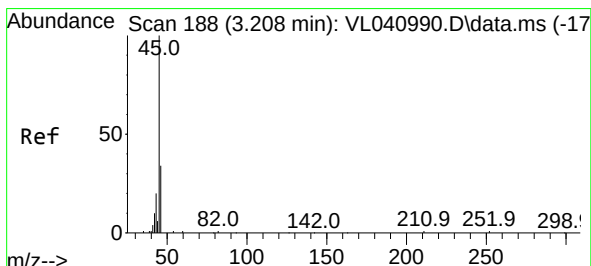
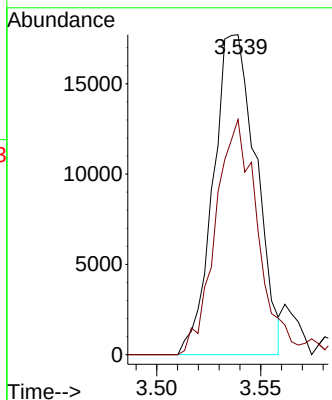
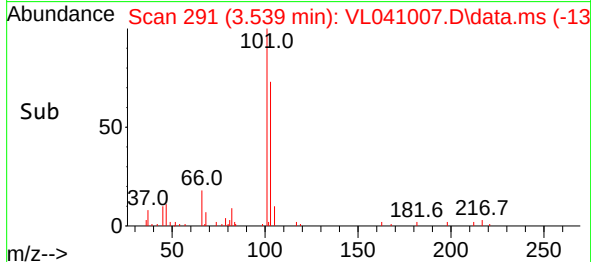
Instrument :
 MSVOA_L
 ClientSampleId :
 SV1



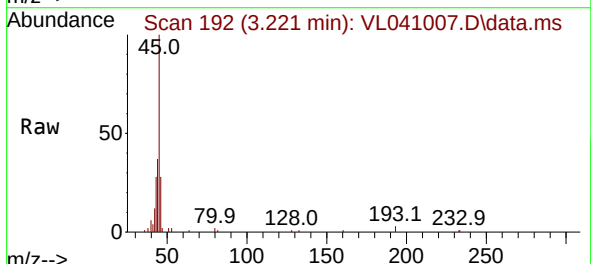
Tgt Ion:101 Resp: 25400
 Ion Ratio Lower Upper
 101 100
 103 73.5 51.4 77.2

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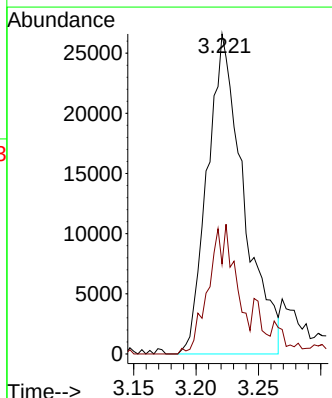
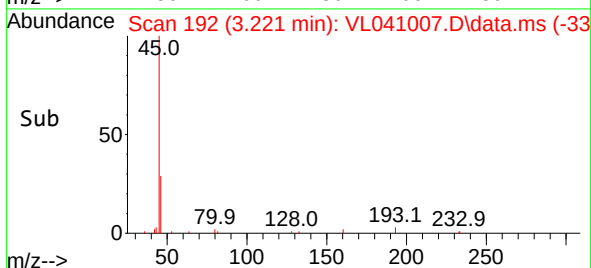
Reviewed By :Semsettin Yesilyurt 01/24/2024
 Supervised By :Mahesh Dadoda 01/24/2024

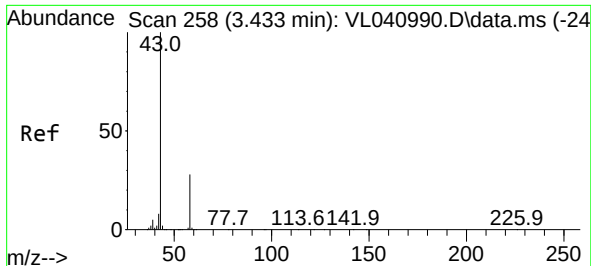


#13
 Ethanol
 Concen: 3.856 ppbv
 RT: 3.221 min Scan# 192
 Delta R.T. 0.013 min
 Lab File: VL041007.D
 Acq: 23 Jan 2024 22:08



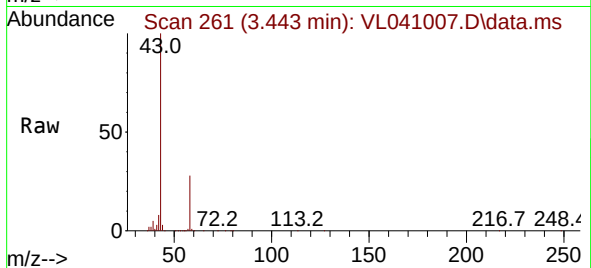
Tgt Ion: 45 Resp: 53862
 Ion Ratio Lower Upper
 45 100
 46 41.6 16.2 64.8





#15
Acetone
Concen: 6.378 ppbv
RT: 3.443 min Scan# 20
Delta R.T. 0.010 min
Lab File: VL041007.D
Acq: 23 Jan 2024 22:08

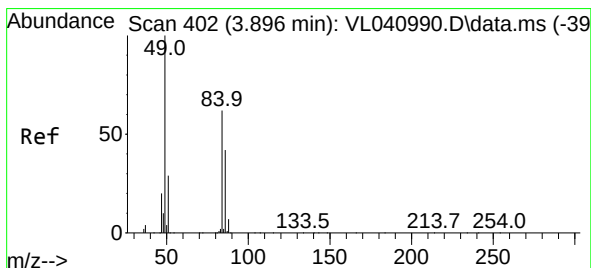
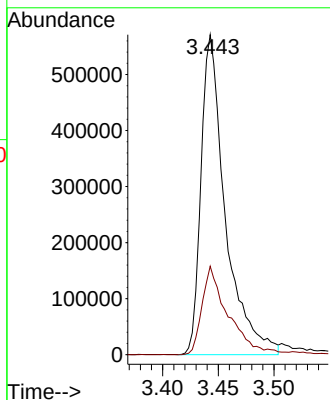
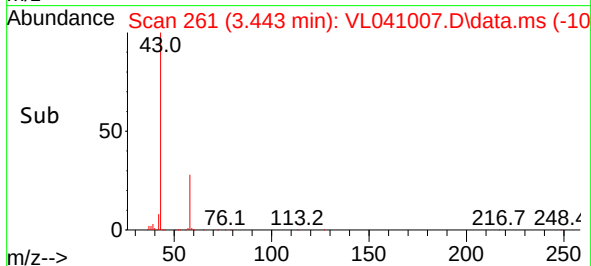
Instrument :
MSVOA_L
ClientSampleId :
SV1



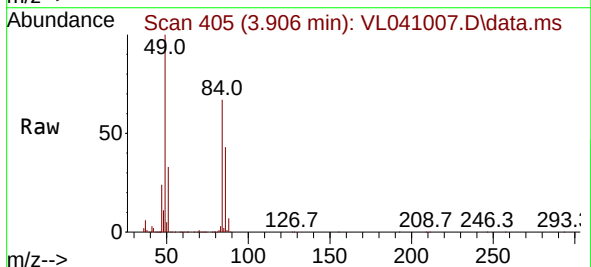
Tgt Ion: 43 Resp: 866440
Ion Ratio Lower Upper
43 100
58 31.3 22.2 33.2

Manual Integrations
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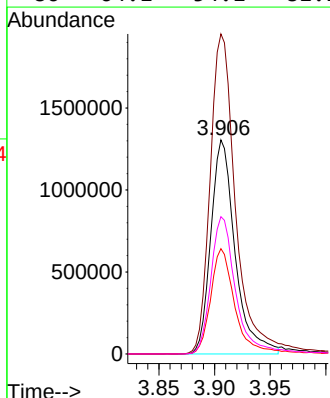
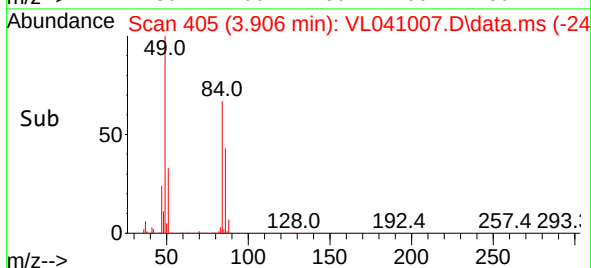
Reviewed By :Semsettin Yesilyurt 01/24/2024
Supervised By :Mahesh Dadoda 01/24/2024

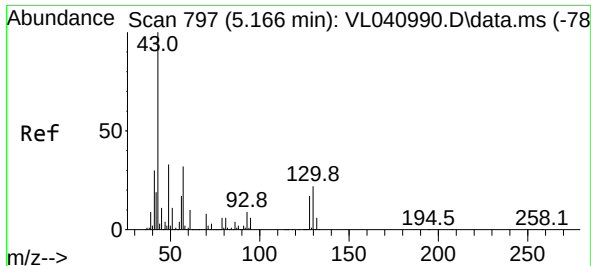


#20
Methylene Chloride
Concen: 37.985 ppbv
RT: 3.906 min Scan# 405
Delta R.T. 0.010 min
Lab File: VL041007.D
Acq: 23 Jan 2024 22:08



Tgt Ion: 84 Resp: 1985569
Ion Ratio Lower Upper
84 100
49 149.5 128.1 192.1
51 49.1 36.5 54.7
86 64.1 54.1 81.1





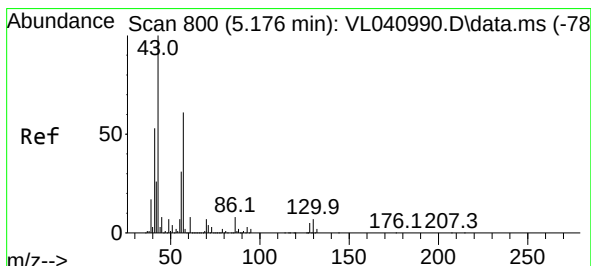
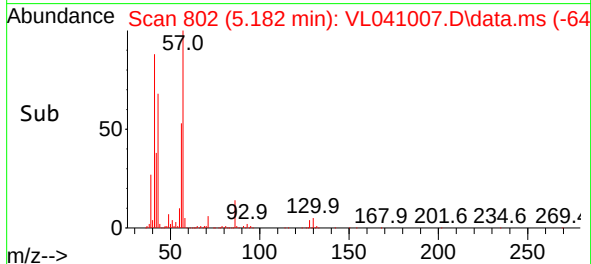
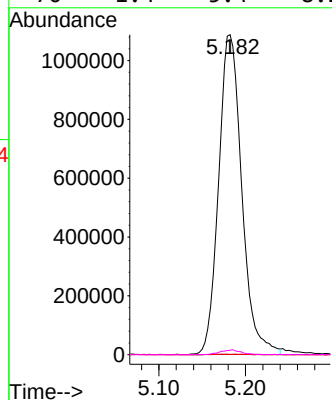
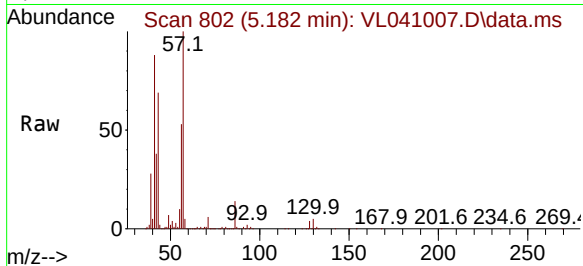
#25
Ethyl Acetate
Concen: 8.216 ppbv
RT: 5.182 min Scan# 802
Delta R.T. 0.016 min
Lab File: VL041007.D
Acq: 23 Jan 2024 22:08

Instrument :
MSVOA_L
ClientSampleId :
SV1

Tgt Ion: 43 Resp: 202383
Ion Ratio Lower Upper
43 100
45 0.2 8.2 12.4
61 0.2 7.9 11.9
70 1.4 5.4 8.2

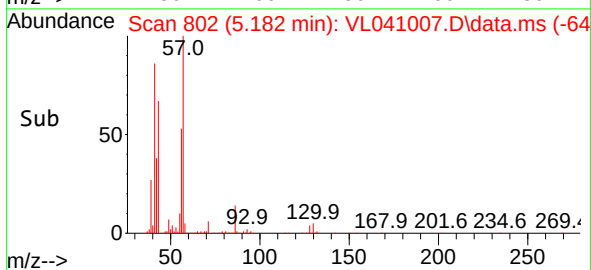
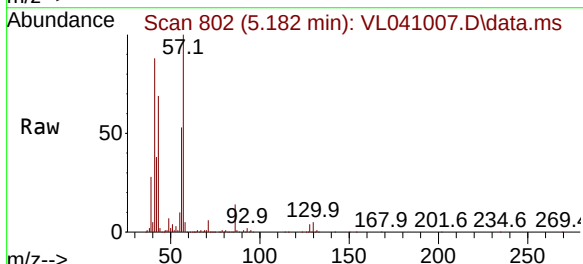
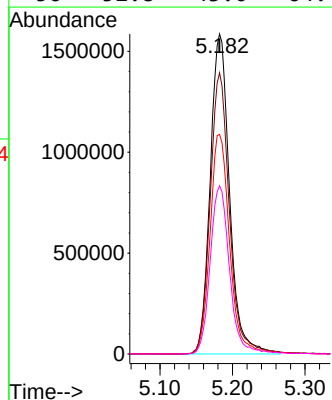
Manual Integrations
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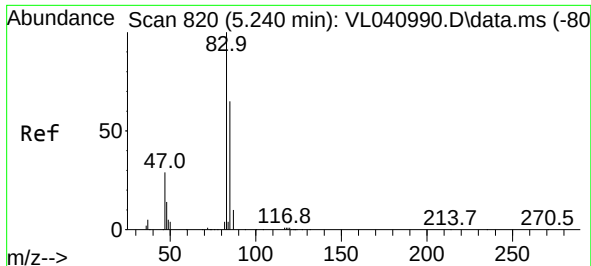
Reviewed By :Semsettin Yesilyurt 01/24/2024
Supervised By :Mahesh Dadoda 01/24/2024



#26
Hexane
Concen: 28.004 ppbv
RT: 5.182 min Scan# 802
Delta R.T. 0.006 min
Lab File: VL041007.D
Acq: 23 Jan 2024 22:08

Tgt Ion: 57 Resp: 2940143
Ion Ratio Lower Upper
57 100
41 88.5 74.4 111.6
43 69.8 190.6 285.8
56 52.8 43.0 64.4





#29

Chloroform

Concen: 0.078 ppbv m

RT: 5.243 min Scan# 81

Delta R.T. 0.003 min

Lab File: VL041007.D

Acq: 23 Jan 2024 22:08

Instrument :

MSVOA_L

ClientSampleId :

SV1

Tgt Ion: 83 Resp: 14449

Ion Ratio Lower Upper

83 100

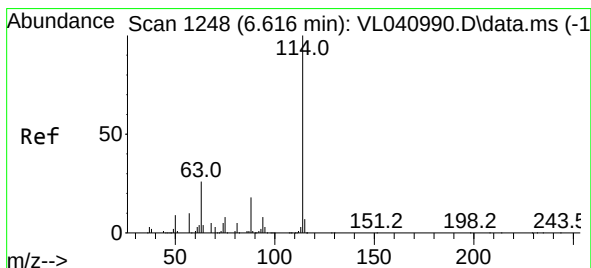
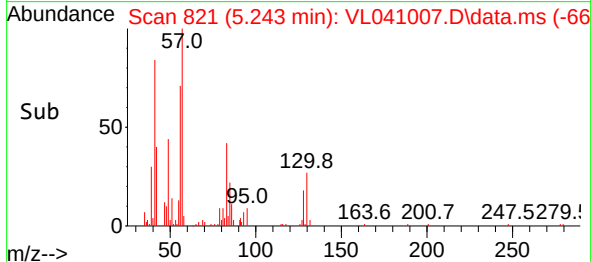
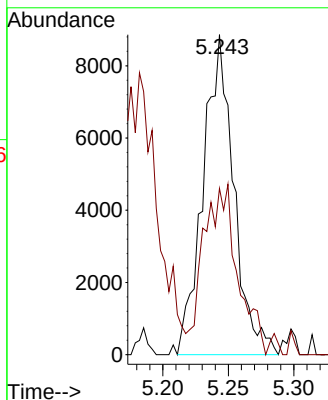
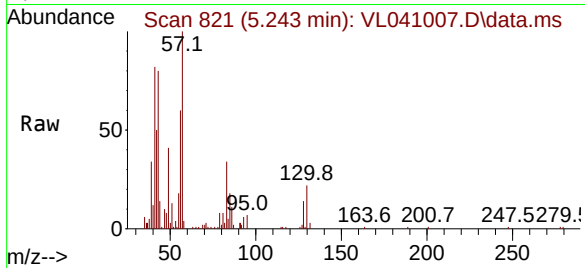
85 51.9 51.6 77.4

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 01/24/2024

Supervised By :Mahesh Dadoda 01/24/2024



#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.616 min Scan# 1248

Delta R.T. -0.000 min

Lab File: VL041007.D

Acq: 23 Jan 2024 22:08

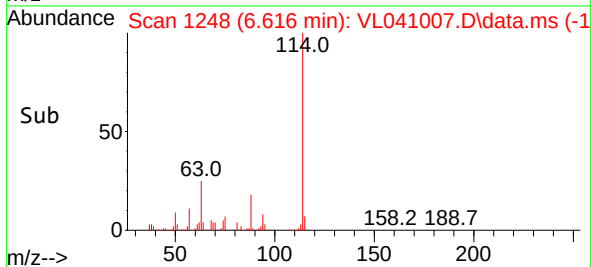
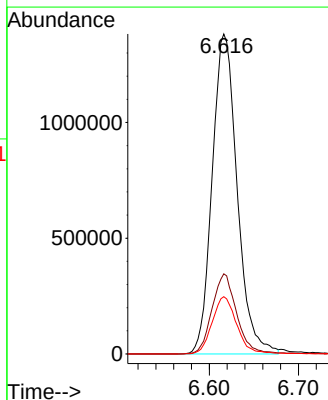
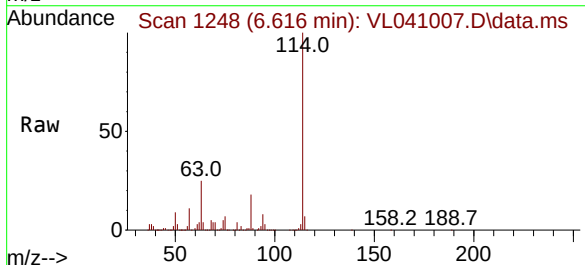
Tgt Ion:114 Resp: 2695673

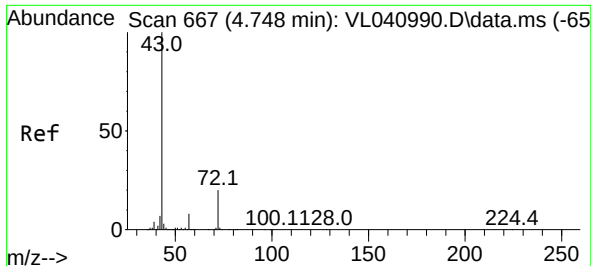
Ion Ratio Lower Upper

114 100

63 24.9 20.8 31.2

88 17.7 14.3 21.5





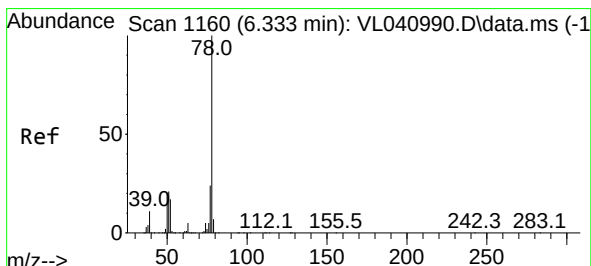
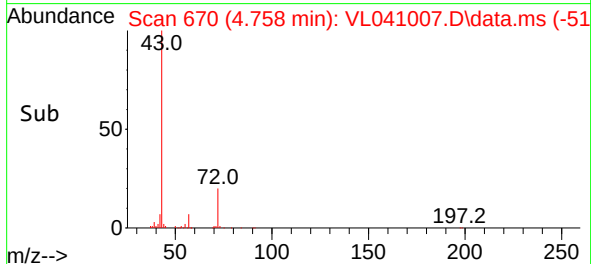
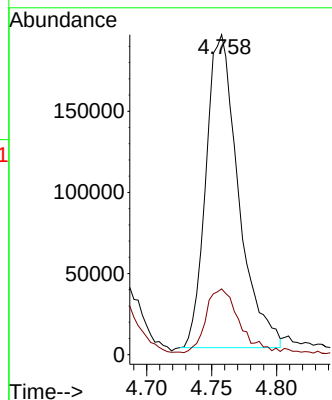
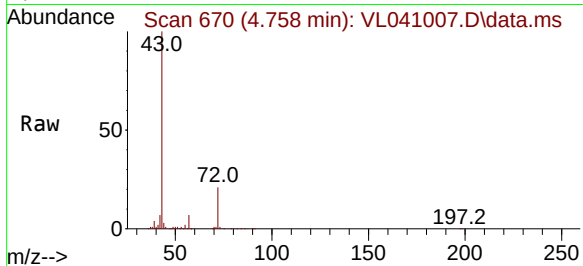
#34
2-Butanone
Concen: 2.615 ppbv
RT: 4.758 min Scan# 61
Delta R.T. 0.010 min
Lab File: VL041007.D
Acq: 23 Jan 2024 22:08

Instrument :
MSVOA_L
ClientSampleId :
SV1

Tgt Ion: 43 Resp: 33578
Ion Ratio Lower Upper
43 100
72 24.3 17.5 26.3

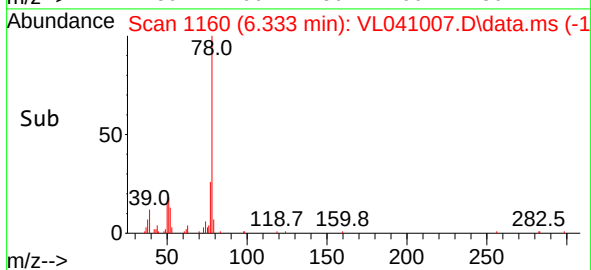
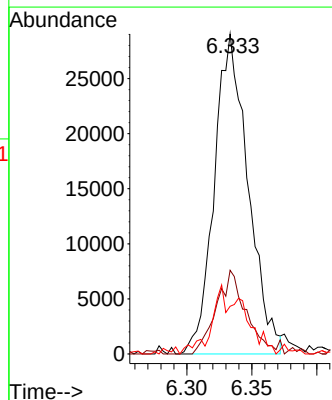
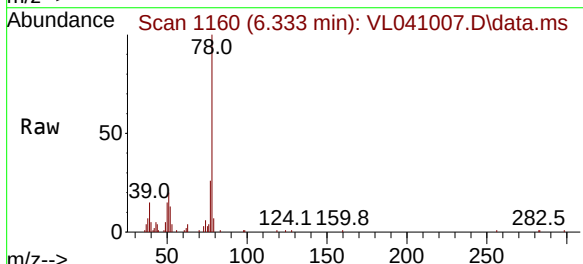
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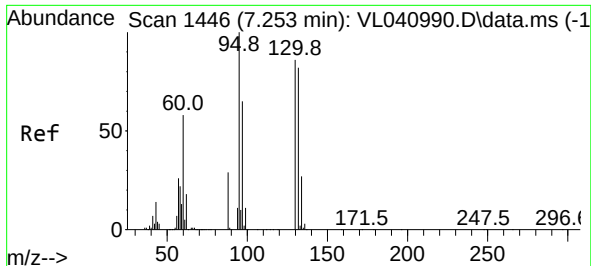
Reviewed By :Semsettin Yesilyurt 01/24/2024
Supervised By :Mahesh Dadoda 01/24/2024



#36
Benzene
Concen: 0.236 ppbv
RT: 6.333 min Scan# 1160
Delta R.T. -0.000 min
Lab File: VL041007.D
Acq: 23 Jan 2024 22:08

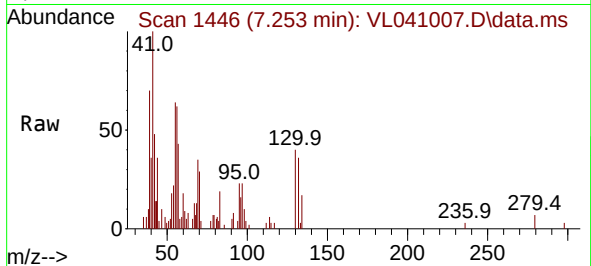
Tgt Ion: 78 Resp: 52634
Ion Ratio Lower Upper
78 100
77 26.2 19.0 28.4
50 14.9 15.8 23.6#





#38
 Trichloroethene
 Concen: 0.048 ppbv m
 RT: 7.253 min Scan# 1446
 Delta R.T. -0.000 min
 Lab File: VL041007.D
 Acq: 23 Jan 2024 22:08

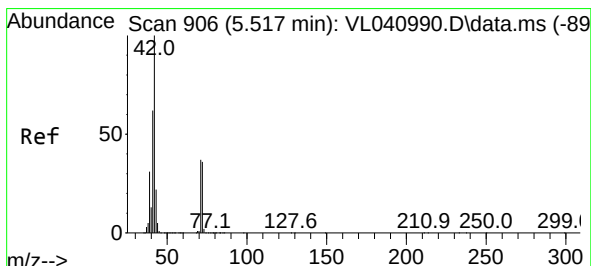
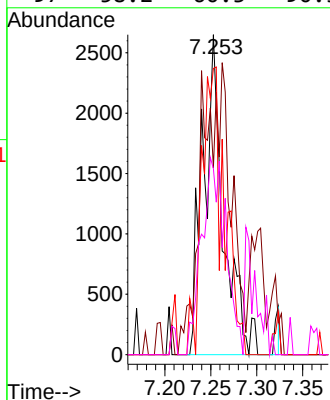
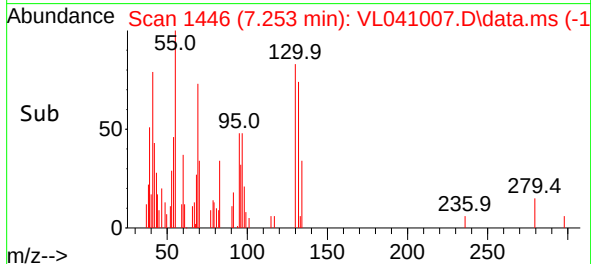
Instrument :
 MSVOA_L
 ClientSampleId :
 SV1



Tgt Ion:	130	Resp:	4249
Ion	Ratio	Lower	Upper
130	100		
95	58.3	92.9	139.3
132	89.5	76.2	114.2
97	58.2	60.3	90.5

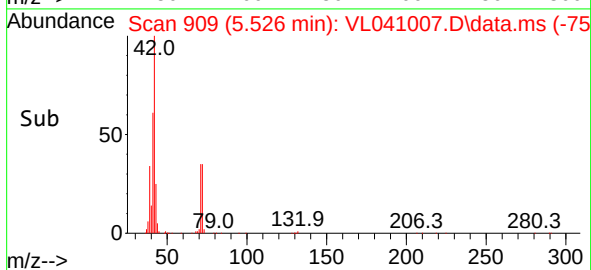
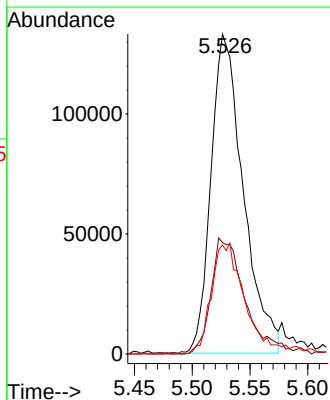
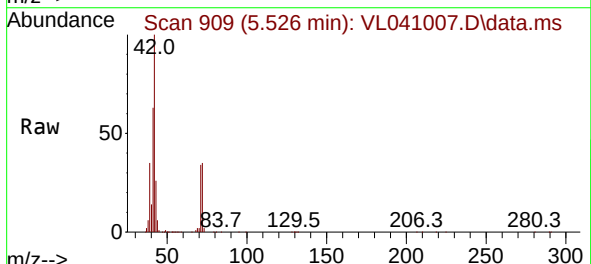
Manual Integrations
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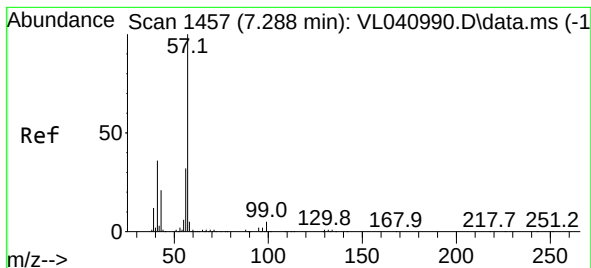
Reviewed By :Semsettin Yesilyurt 01/24/2024
 Supervised By :Mahesh Dadoda 01/24/2024



#41
 Tetrahydrofuran
 Concen: 2.962 ppbv
 RT: 5.526 min Scan# 909
 Delta R.T. 0.010 min
 Lab File: VL041007.D
 Acq: 23 Jan 2024 22:08

Tgt Ion:	42	Resp:	258272
Ion	Ratio	Lower	Upper
42	100		
72	38.6	30.0	45.0
71	37.4	29.5	44.3





#44

2,2,4-Trimethylpentane

Concen: 0.122 ppbv m

RT: 7.291 min Scan# 1457

Delta R.T. 0.003 min

Lab File: VL041007.D

Acq: 23 Jan 2024 22:08

Instrument :

MSVOA_L

ClientSampleId :

SV1

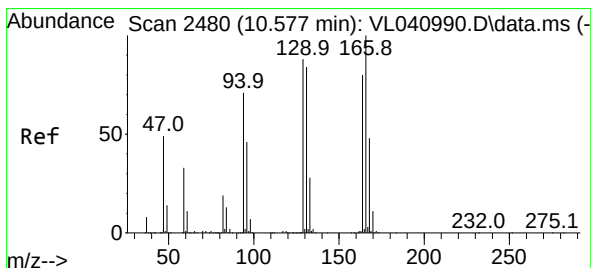
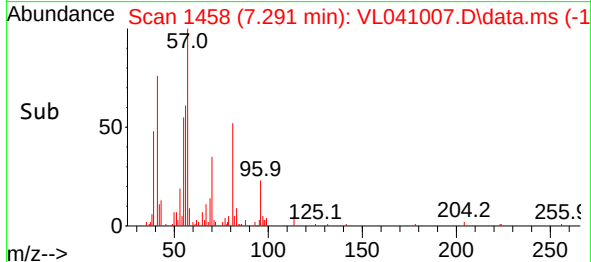
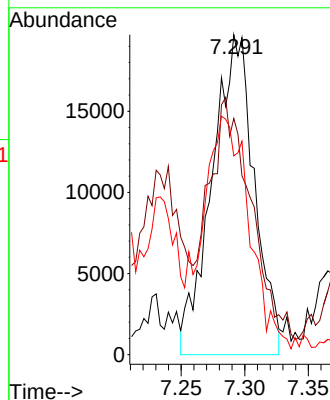
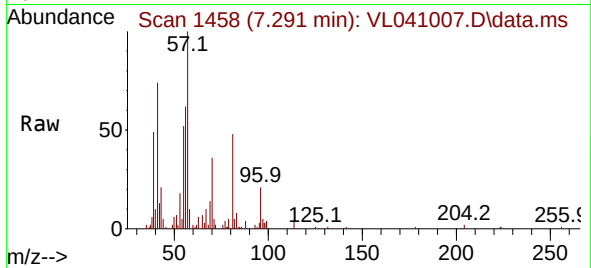
Tgt Ion:	57	Resp:	45679
Ion Ratio	Lower	Upper	
57	100		
41	0.0	28.6	43.0
56	0.0	25.2	37.8

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 01/24/2024

Supervised By :Mahesh Dadoda 01/24/2024



#52

Tetrachloroethene

Concen: 1.478 ppbv

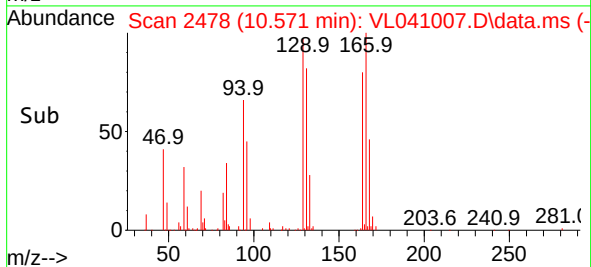
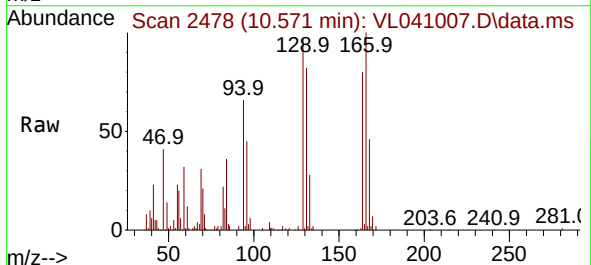
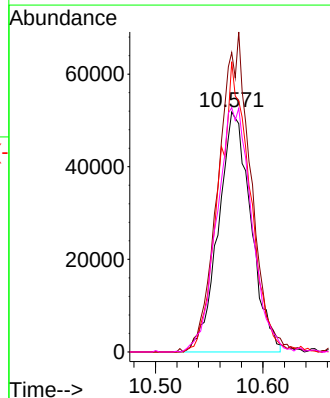
RT: 10.571 min Scan# 2478

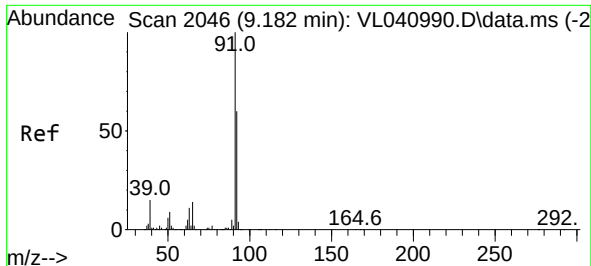
Delta R.T. -0.006 min

Lab File: VL041007.D

Acq: 23 Jan 2024 22:08

Tgt Ion:	164	Resp:	109259
Ion Ratio	Lower	Upper	
164	100		
166	123.3	100.2	150.2
129	122.7	87.9	131.9
131	101.8	84.0	126.0





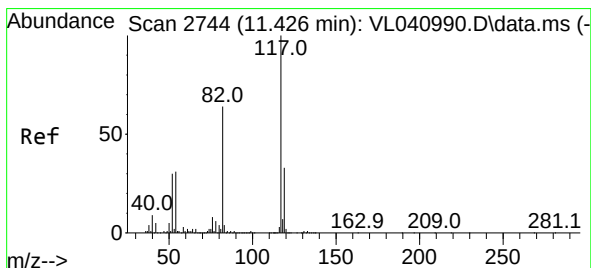
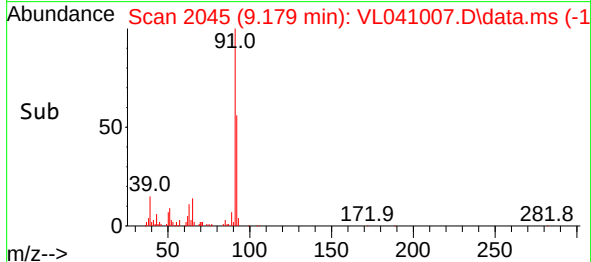
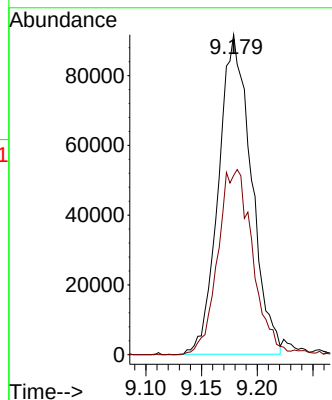
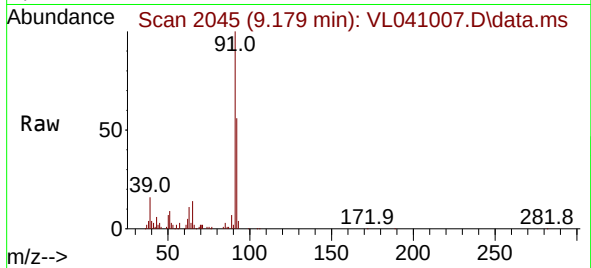
#53
Toluene
Concen: 0.767 ppbv
RT: 9.179 min Scan# 2046
Delta R.T. -0.003 min
Lab File: VL041007.D
Acq: 23 Jan 2024 22:08

Instrument :
MSVOA_L
ClientSampleId :
SV1

Tgt Ion: 91 Resp: 187048
Ion Ratio Lower Upper
91 100
92 62.5 48.6 72.8

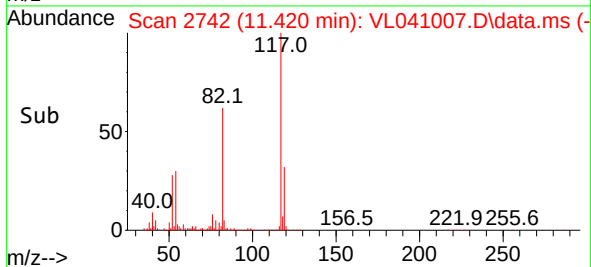
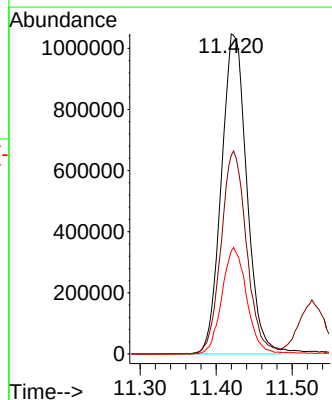
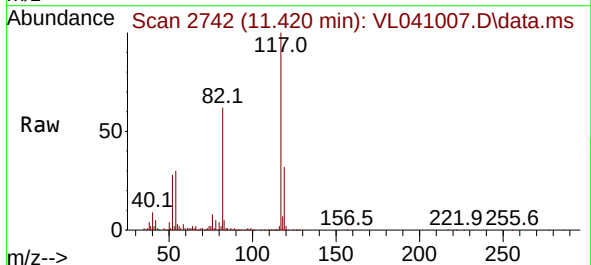
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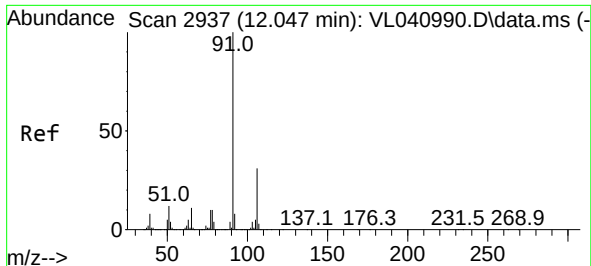
Reviewed By :Semsettin Yesilyurt 01/24/2024
Supervised By :Mahesh Dadoda 01/24/2024



#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.420 min Scan# 2742
Delta R.T. -0.006 min
Lab File: VL041007.D
Acq: 23 Jan 2024 22:08

Tgt Ion:117 Resp: 2423961
Ion Ratio Lower Upper
117 100
82 63.9 51.7 77.5
119 33.0 23.8 35.6





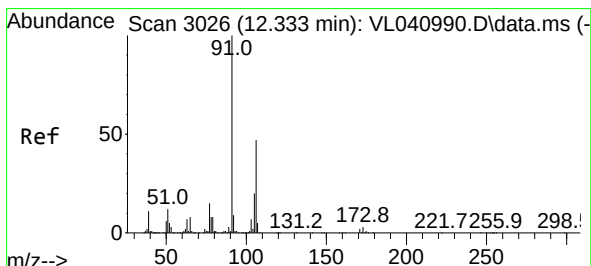
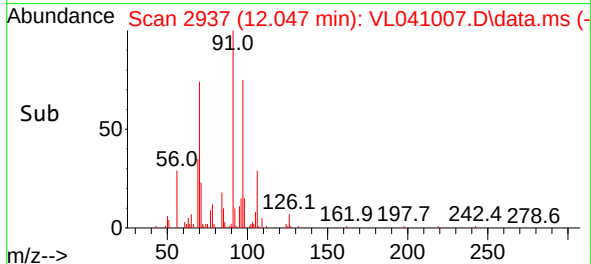
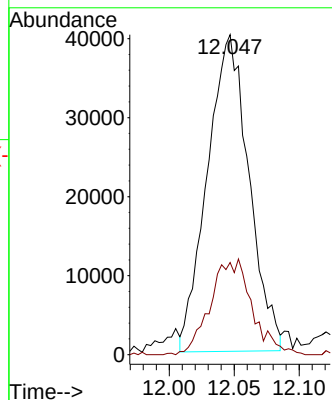
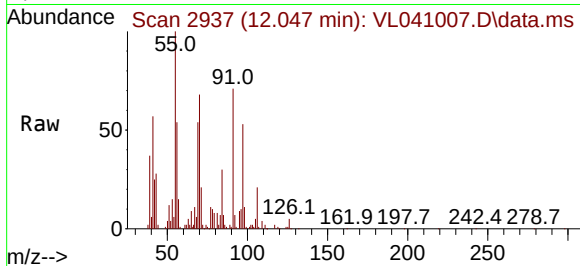
#58
Ethyl Benzene
Concen: 0.274 ppbv
RT: 12.047 min Scan# 2937
Delta R.T. -0.000 min
Lab File: VL041007.D
Acq: 23 Jan 2024 22:08

Instrument :
MSVOA_L
ClientSampleId :
SV1

Tgt Ion: 91 Resp: 8932
Ion Ratio Lower Upper
91 100
106 29.4 24.8 37.2

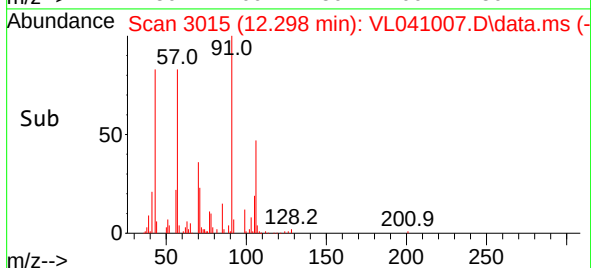
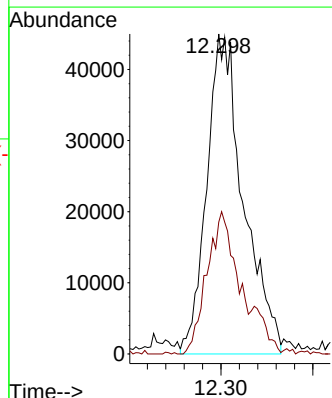
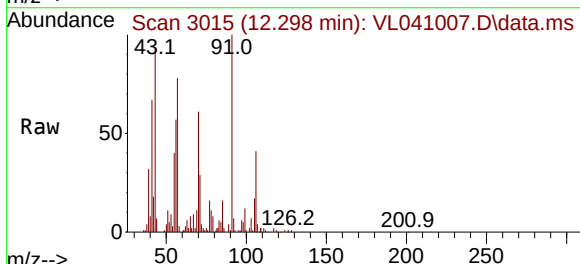
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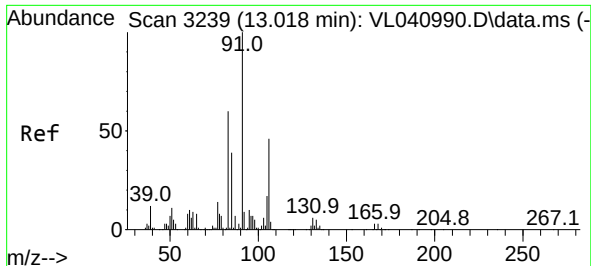
Reviewed By :Semsettin Yesilyurt 01/24/2024
Supervised By :Mahesh Dadoda 01/24/2024



#59
m/p-Xylene
Concen: 0.439 ppbv m
RT: 12.298 min Scan# 3015
Delta R.T. -0.035 min
Lab File: VL041007.D
Acq: 23 Jan 2024 22:08

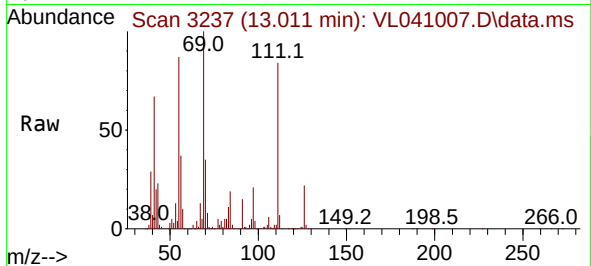
Tgt Ion: 91 Resp: 124447
Ion Ratio Lower Upper
91 100
106 0.0 34.9 52.3#





#60
o-Xylene
Concen: 0.208 ppbv m
RT: 13.011 min Scan# 31
Delta R.T. -0.007 min
Lab File: VL041007.D
Acq: 23 Jan 2024 22:08

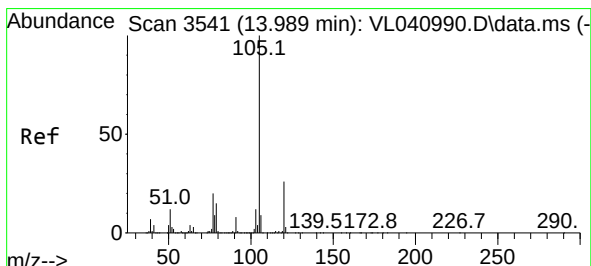
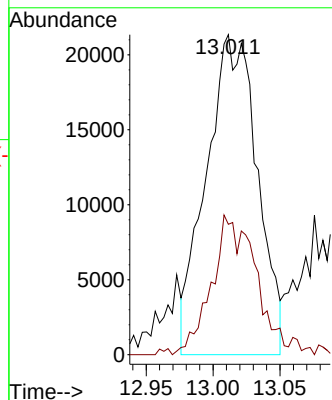
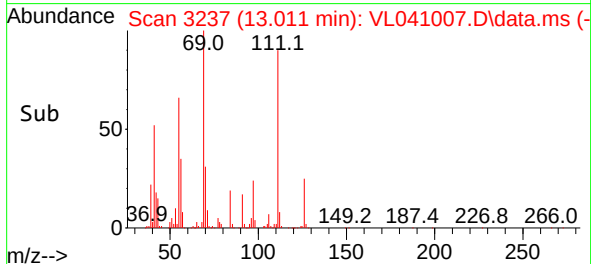
Instrument :
MSVOA_L
ClientSampleId :
SV1



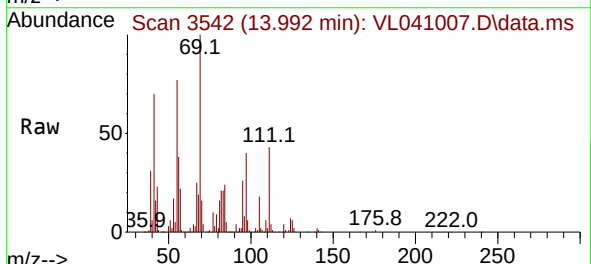
Tgt Ion: 91 Resp: 5662
Ion Ratio Lower Upper
91 100
106 39.8 22.6 67.7

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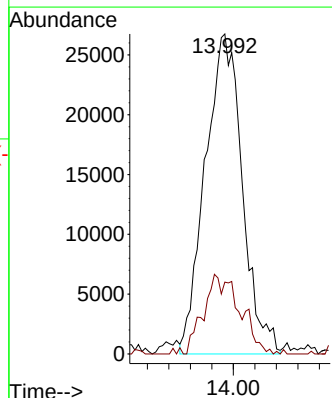
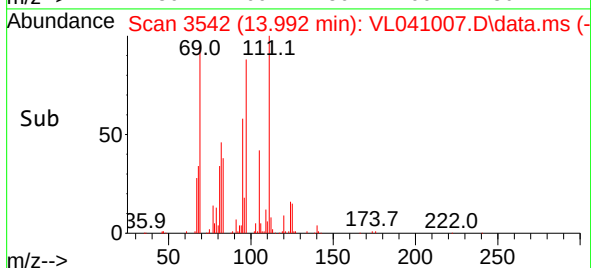
Reviewed By :Semsettin Yesilyurt 01/24/2024
Supervised By :Mahesh Dadoda 01/24/2024

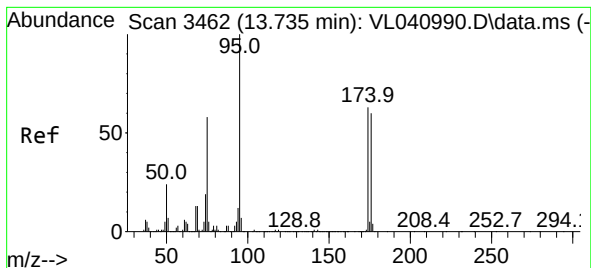


#62
Isopropylbenzene
Concen: 0.159 ppbv
RT: 13.992 min Scan# 3542
Delta R.T. 0.003 min
Lab File: VL041007.D
Acq: 23 Jan 2024 22:08



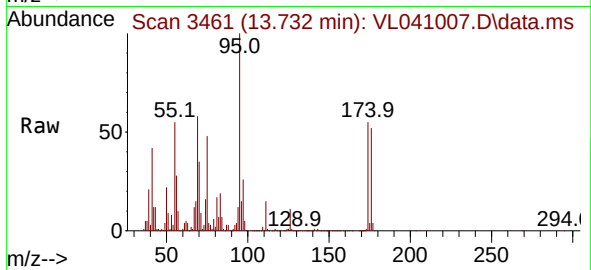
Tgt Ion:105 Resp: 64159
Ion Ratio Lower Upper
105 100
120 24.7 20.9 31.3





#68
 1-Bromo-4-Fluorobenzene
 Concen: 12.504 ppbv
 RT: 13.732 min Scan# 3461
 Delta R.T. -0.003 min
 Lab File: VL041007.D
 Acq: 23 Jan 2024 22:08

Instrument :
 MSVOA_L
 ClientSampleId :
 SV1



Tgt Ion: 95 Resp: 2289344
 Ion Ratio Lower Upper
 95 100
 174 51.5 49.1 73.7
 175 3.8 3.7 5.5

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 01/24/2024
 Supervised By :Mahesh Dadoda 01/24/2024

