

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL110922\
 Data File : VL039850.D
 Acq On : 9 Nov 2022 16:16
 Operator : SY/AP
 Sample : N5527-01DUP
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 10053-BASEMENT-BARDUP

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 11/10/2022
 Supervised By :Mahesh Dadoda 11/11/2022

Quant Time: Nov 10 03:49:29 2022

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL110222AIR.M

Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Fri Aug 2

QLast Update : Thu Nov 03 09:27:12 2022

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.179	49	952562	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.632	114	2226111	10.000	ppbv	-0.01
55) Chlorobenzene-d5	11.433	117	2022688	10.000	ppbv	-0.02
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.741	95	1578640	10.427	ppbv	-0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	104.300%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.738	85	74084	0.461	ppbv	98
3) Chlorodifluoromethane	2.684	51	8240068	72.560	ppbv #	90
4) Chloromethane	2.822	50	46389	0.656	ppbv	95
9) Propene	2.713	41	757227	12.798	ppbv #	59
11) Trichlorofluoromethane	3.565	101	33535	0.256	ppbv	88
13) Ethanol	3.243	45	4405929	1053.622	ppbv	93
15) Acetone	3.462	43	9932192	85.662	ppbv	92
17) tert-Butyl alcohol	3.896	59	25430m	0.230	ppbv	
19) Isopropyl Alcohol	3.581	45	845304	14.730	ppbv #	1
20) Methylene Chloride	3.931	84	219924	5.302	ppbv	93
26) Hexane	5.195	57	231489	2.174	ppbv #	57
29) Chloroform	5.263	83	25049	0.167	ppbv	95
30) Cyclohexane	6.578	84	12115	0.136	ppbv #	78
34) 2-Butanone	4.774	43	749321	8.159	ppbv	100
35) Carbon Tetrachloride	6.478	117	4486m	0.035	ppbv	
37) 1,2-Dichloroethane	5.790	62	13235	0.147	ppbv #	94
41) Tetrahydrofuran	5.542	42	387438	5.048	ppbv	98

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

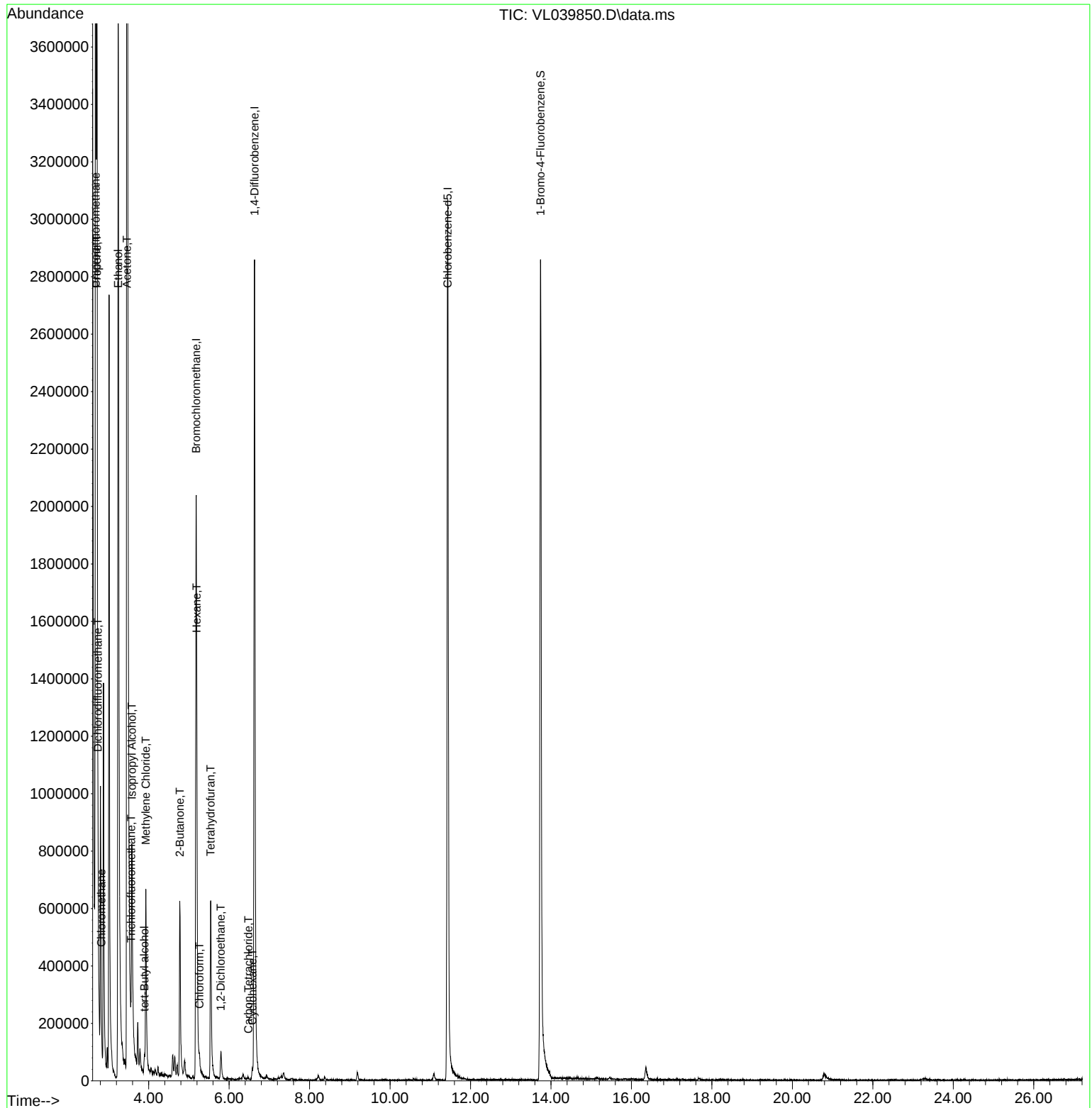
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL110922\
Data File : VL039850.D
Acq On : 9 Nov 2022 16:16
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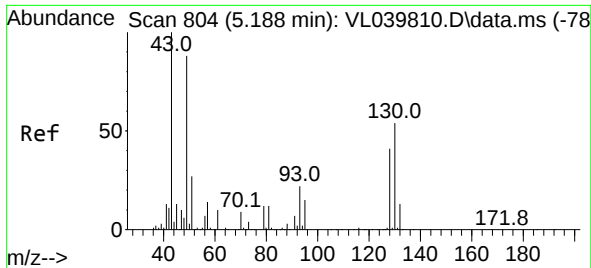
Instrument :
MSVOA_L
ClientSampleId :
10053-BASEMENT-BARDUP

Quant Time: Nov 10 03:49:29 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL110222AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug
QLast Update : Thu Nov 03 09:27:12 2022
Response via : Initial Calibration

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APPROVED

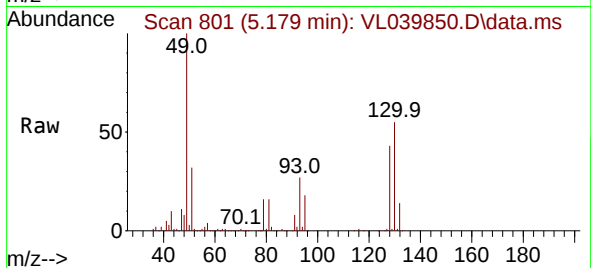
Reviewed By :Semsettin Yesilyurt 11/10/2022
Supervised By :Mahesh Dadoda 11/11/2022





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.179 min Scan# 80
Delta R.T. -0.009 min
Lab File: VL039850.D
Acq: 9 Nov 2022 16:16

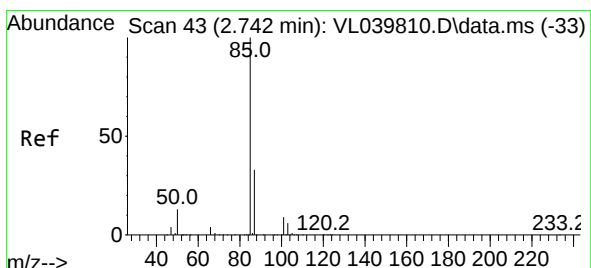
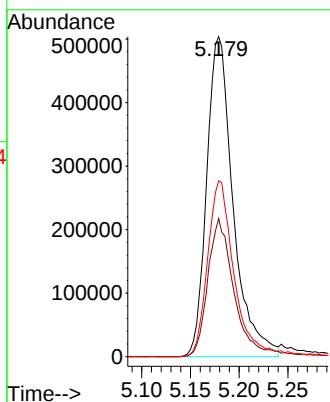
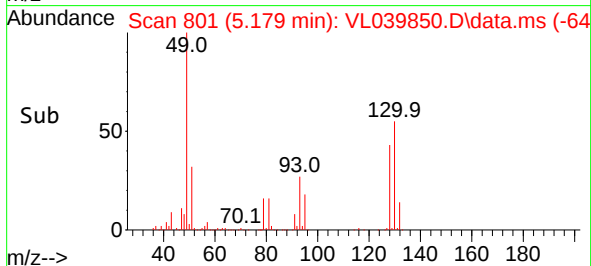
Instrument :
MSVOA_L
ClientSampleId :
10053-BASEMENT-BARDUP



Tgt Ion: 49 Resp: 95256
Ion Ratio Lower Upper
49 100
128 43.9 24.6 73.6
130 56.5 31.1 93.2

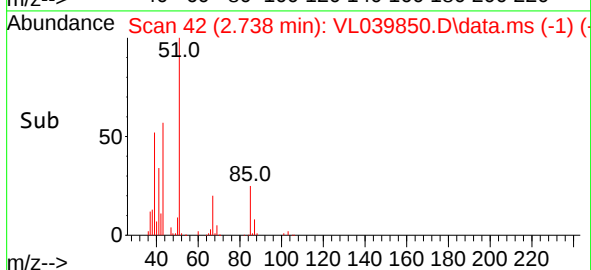
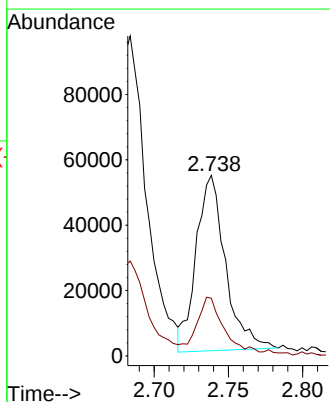
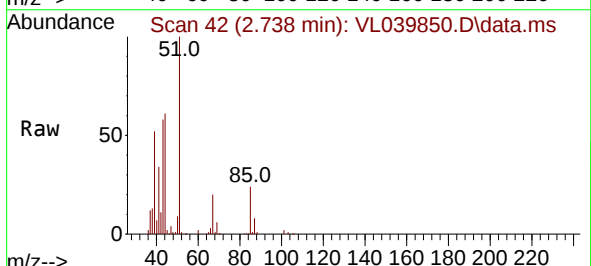
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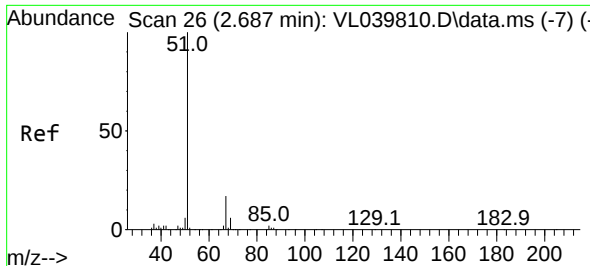
Reviewed By :Semsettin Yesilyurt 11/10/2022
Supervised By :Mahesh Dadoda 11/11/2022



#2
Dichlorodifluoromethane
Concen: 0.461 ppbv
RT: 2.738 min Scan# 42
Delta R.T. -0.003 min
Lab File: VL039850.D
Acq: 9 Nov 2022 16:16

Tgt Ion: 85 Resp: 74084
Ion Ratio Lower Upper
85 100
87 31.7 26.4 39.6





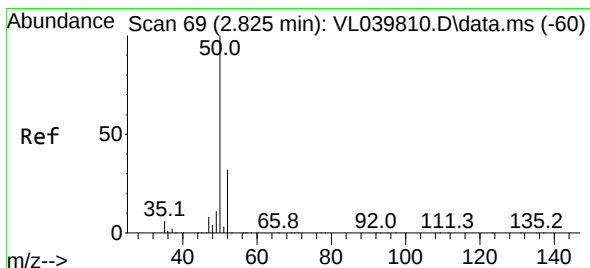
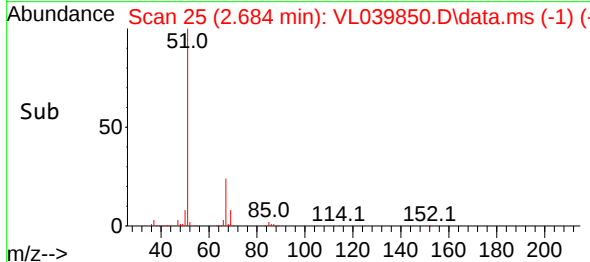
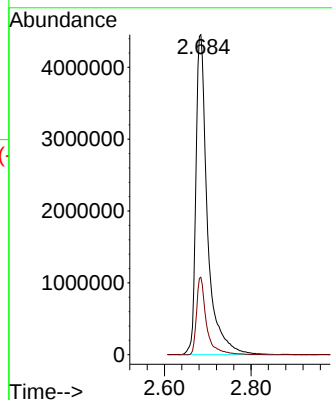
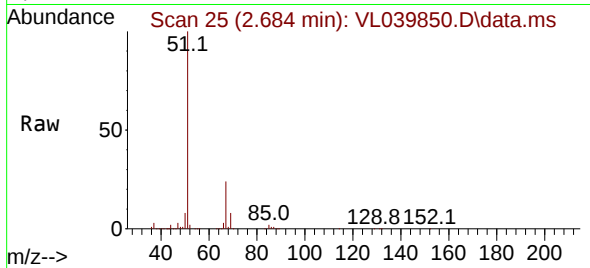
#3
Chlorodifluoromethane
Concen: 72.560 ppbv
RT: 2.684 min Scan# 21
Delta R.T. -0.003 min
Lab File: VL039850.D
Acq: 9 Nov 2022 16:16

Instrument : MSVOA_L
ClientSampleId : 10053-BASEMENT-BARDUP

Tgt Ion: 51 Resp: 824006
Ion Ratio Lower Upper
51 100
67 20.8 13.2 19.8

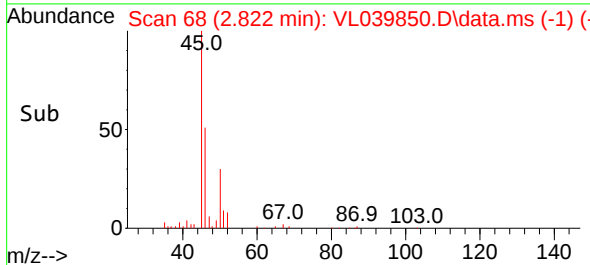
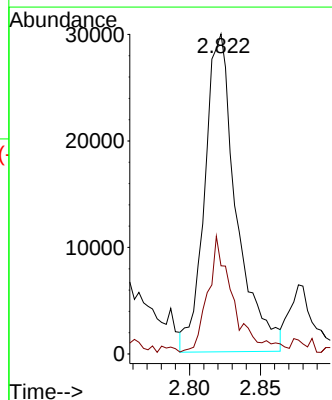
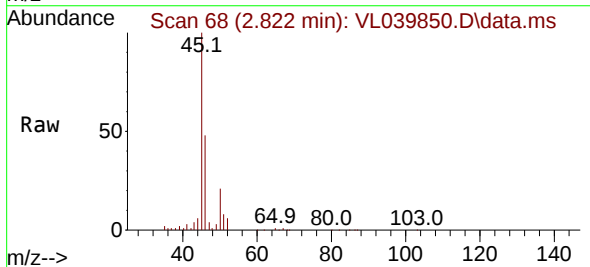
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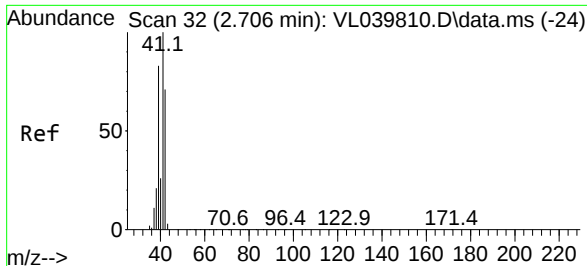
Reviewed By :Semsettin Yesilyurt 11/10/2022
Supervised By :Mahesh Dadoda 11/11/2022



#4
Chloromethane
Concen: 0.656 ppbv
RT: 2.822 min Scan# 68
Delta R.T. -0.003 min
Lab File: VL039850.D
Acq: 9 Nov 2022 16:16

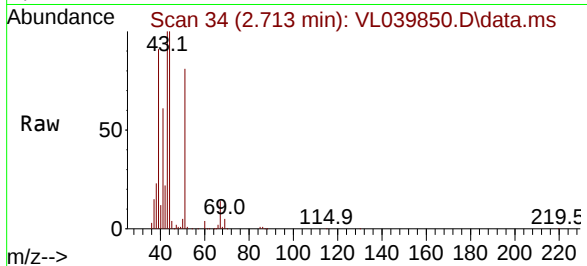
Tgt Ion: 50 Resp: 46389
Ion Ratio Lower Upper
50 100
52 28.9 25.5 38.3





#9
Propene
Concen: 12.798 ppbv
RT: 2.713 min Scan# 34
Delta R.T. 0.007 min
Lab File: VL039850.D
Acq: 9 Nov 2022 16:16

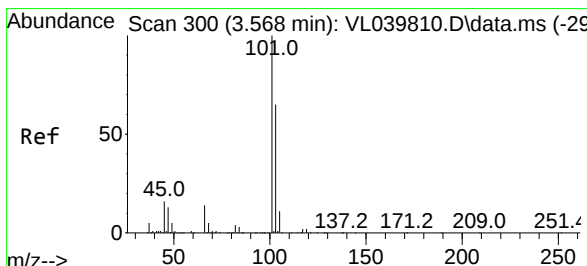
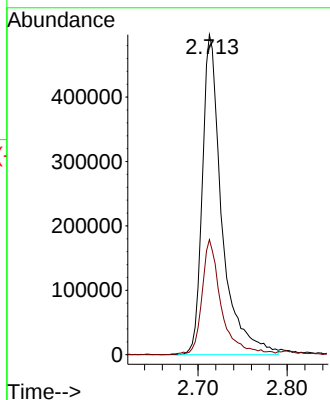
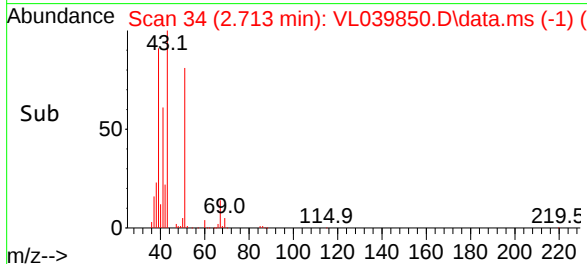
Instrument :
MSVOA_L
ClientSampleId :
10053-BASEMENT-BARDUP



Tgt Ion: 41 Resp: 75722
Ion Ratio Lower Upper
41 100
42 36.5 56.3 84.5

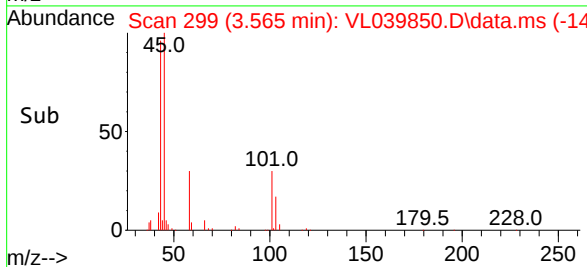
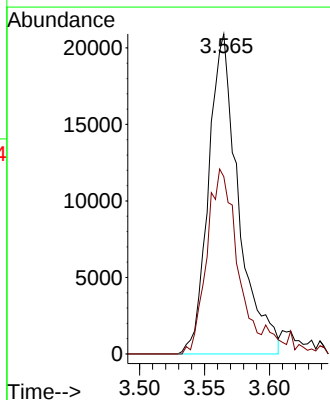
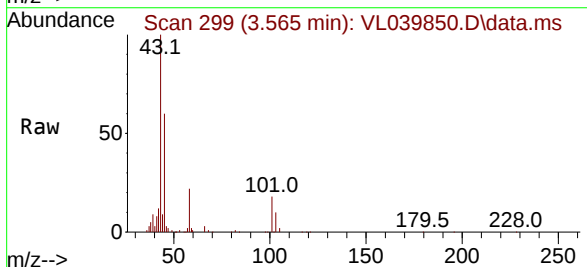
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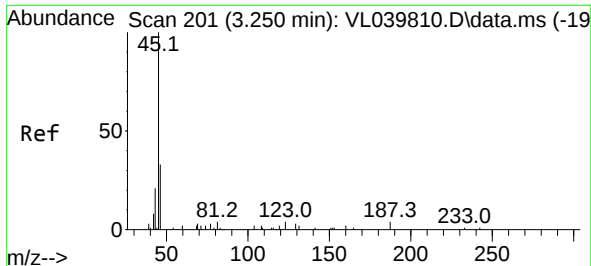
Reviewed By :Semsettin Yesilyurt 11/10/2022
Supervised By :Mahesh Dadoda 11/11/2022



#11
Trichlorofluoromethane
Concen: 0.256 ppbv
RT: 3.565 min Scan# 299
Delta R.T. -0.003 min
Lab File: VL039850.D
Acq: 9 Nov 2022 16:16

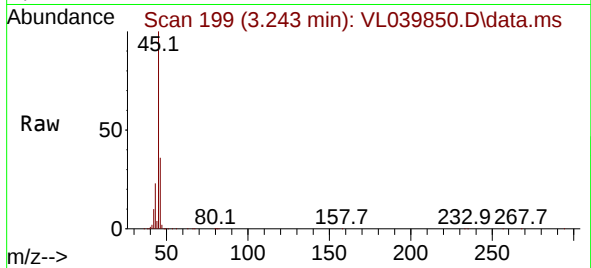
Tgt Ion:101 Resp: 33535
Ion Ratio Lower Upper
101 100
103 55.4 52.2 78.2





#13
Ethanol
Concen: 1053.622 ppbv
RT: 3.243 min Scan# 199
Delta R.T. -0.006 min
Lab File: VL039850.D
Acq: 9 Nov 2022 16:16

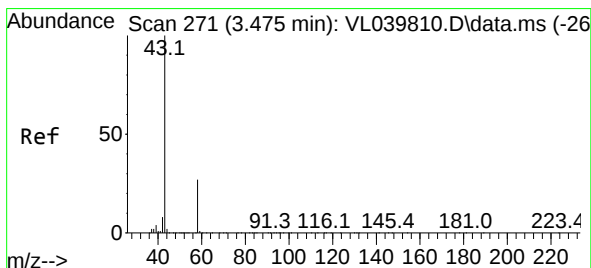
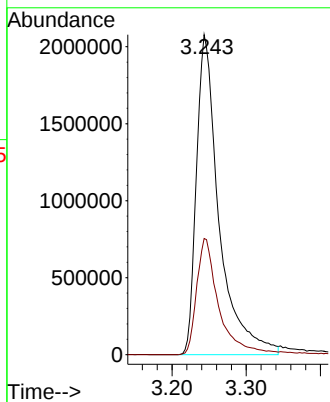
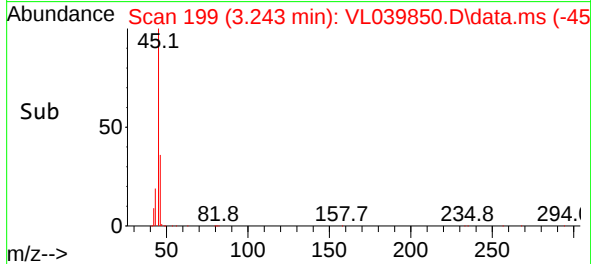
Instrument :
MSVOA_L
ClientSampleId :
10053-BASEMENT-BARDUP



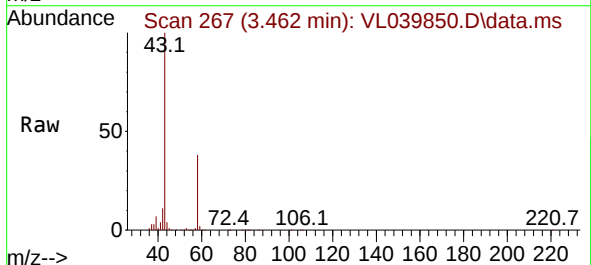
Tgt Ion: 45 Resp: 4405929
Ion Ratio Lower Upper
45 100
46 37.0 16.5 65.9

Manual Integrations
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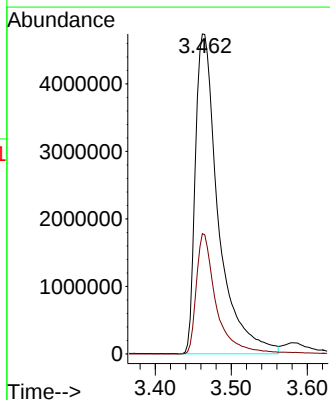
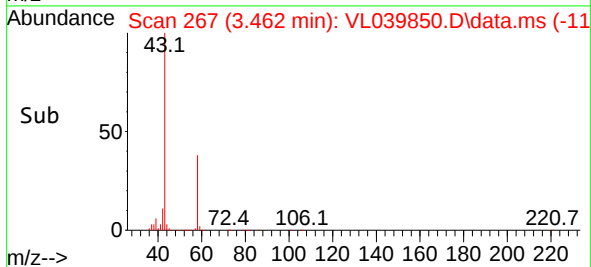
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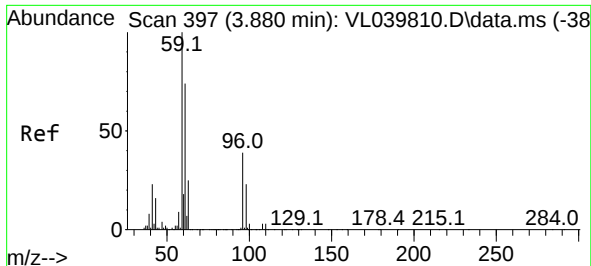


#15
Acetone
Concen: 85.662 ppbv
RT: 3.462 min Scan# 267
Delta R.T. -0.013 min
Lab File: VL039850.D
Acq: 9 Nov 2022 16:16



Tgt Ion: 43 Resp: 9932192
Ion Ratio Lower Upper
43 100
58 33.4 23.2 34.8





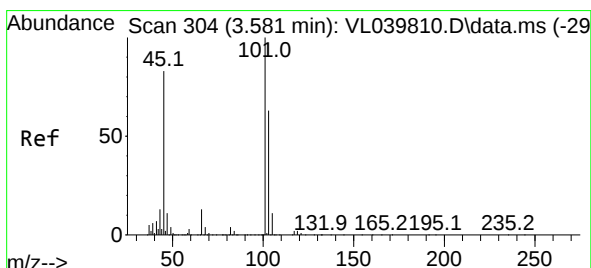
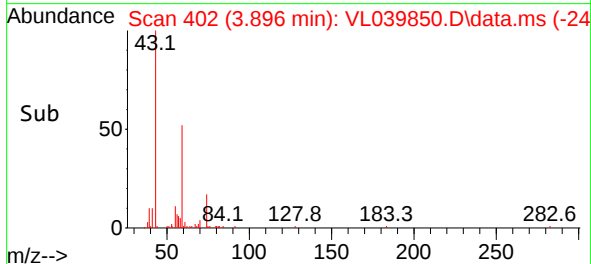
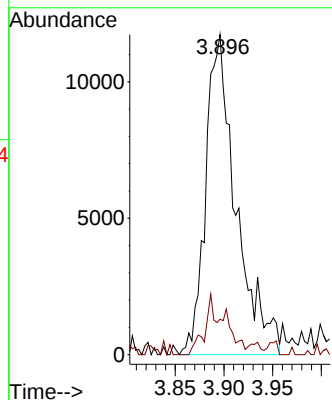
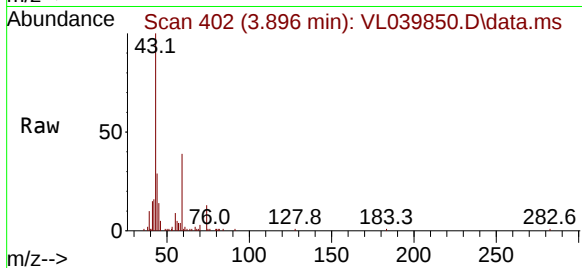
#17
tert-Butyl alcohol
Concen: 0.230 ppbv m
RT: 3.896 min Scan# 402
Delta R.T. 0.016 min
Lab File: VL039850.D
Acq: 9 Nov 2022 16:16

Instrument : MSVOA_L
ClientSampleId : 10053-BASEMENT-BARDUP

Tgt Ion: 59 Resp: 25430
Ion Ratio Lower Upper
59 100
57 0.0 9.0 13.6

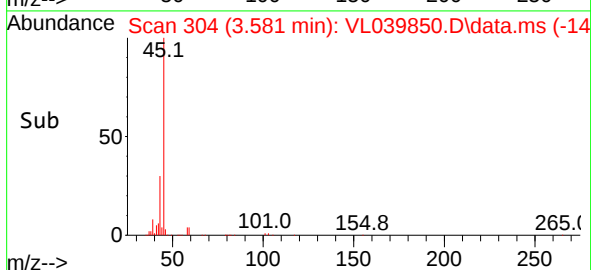
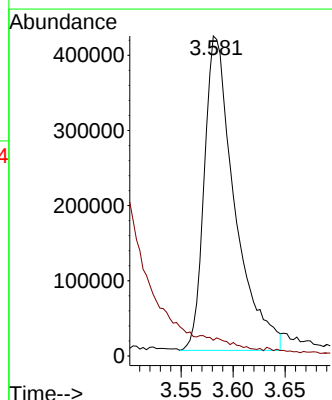
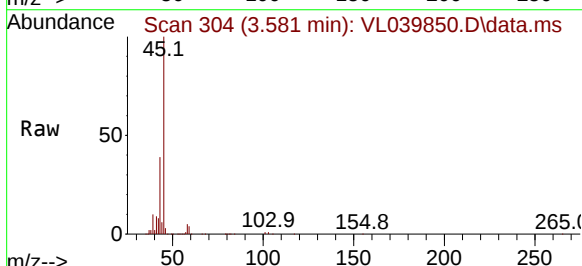
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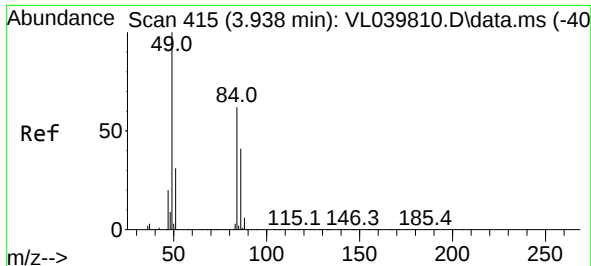
Reviewed By :Semsettin Yesilyurt 11/10/2022
Supervised By :Mahesh Dadoda 11/11/2022



#19
Isopropyl Alcohol
Concen: 14.730 ppbv
RT: 3.581 min Scan# 304
Delta R.T. 0.000 min
Lab File: VL039850.D
Acq: 9 Nov 2022 16:16

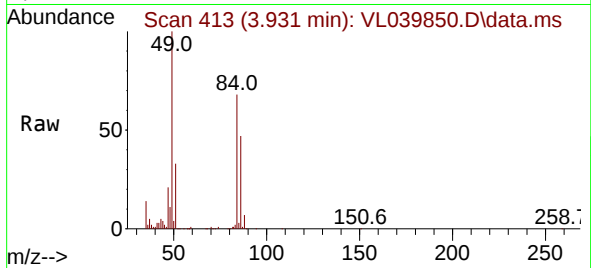
Tgt Ion: 45 Resp: 845304
Ion Ratio Lower Upper
45 100
58 392.4 38.3 57.5





#20
Methylene Chloride
Concen: 5.302 ppbv
RT: 3.931 min Scan# 415
Delta R.T. -0.006 min
Lab File: VL039850.D
Acq: 9 Nov 2022 16:16

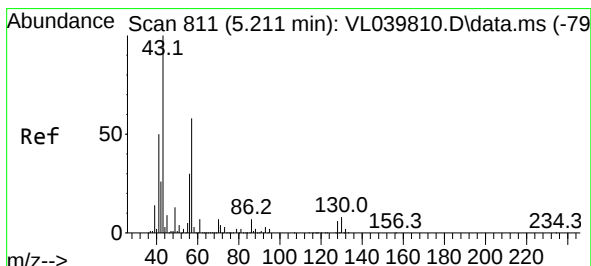
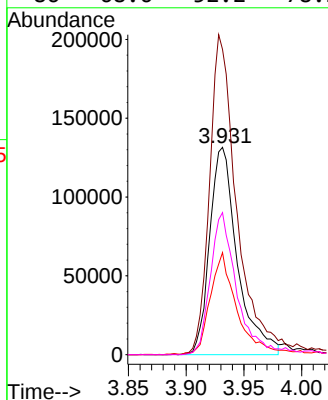
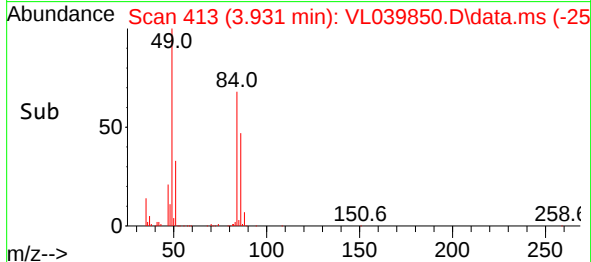
Instrument :
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10053-BASEMENT-BARDUP



Tgt Ion	Ratio	Lower	Upper
84	100		
49	147.3	128.6	192.8
51	48.9	40.2	60.4
86	68.6	52.2	78.2

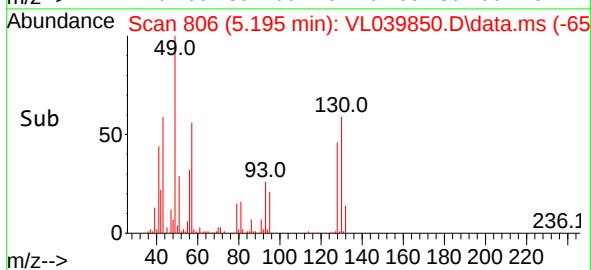
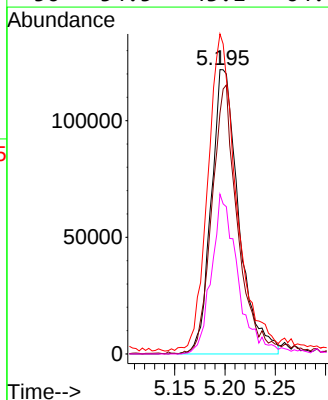
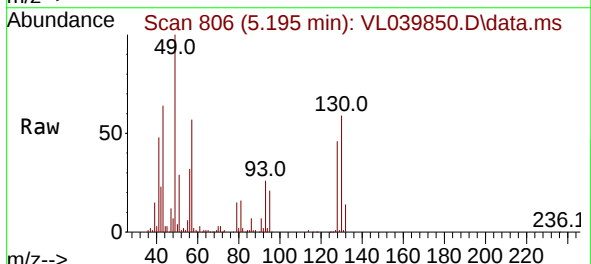
Manual Integrations
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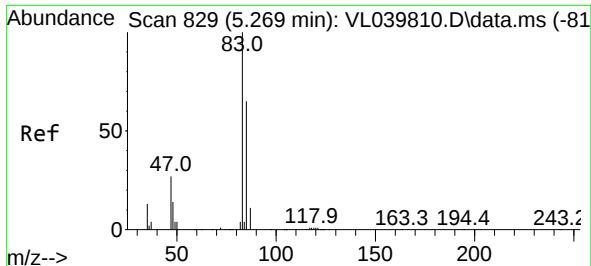
Reviewed By :Semsettin Yesilyurt 11/10/2022
Supervised By :Mahesh Dadoda 11/11/2022



#26
Hexane
Concen: 2.174 ppbv
RT: 5.195 min Scan# 806
Delta R.T. -0.016 min
Lab File: VL039850.D
Acq: 9 Nov 2022 16:16

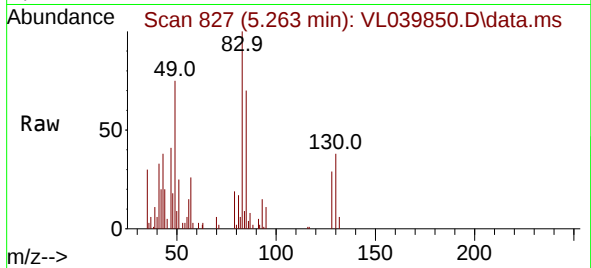
Tgt Ion	Ratio	Lower	Upper
57	100		
41	91.9	73.7	110.5
43	120.5	189.8	284.8#
56	54.5	43.1	64.7





#29
Chloroform
Concen: 0.167 ppbv
RT: 5.263 min Scan# 81
Delta R.T. -0.006 min
Lab File: VL039850.D
Acq: 9 Nov 2022 16:16

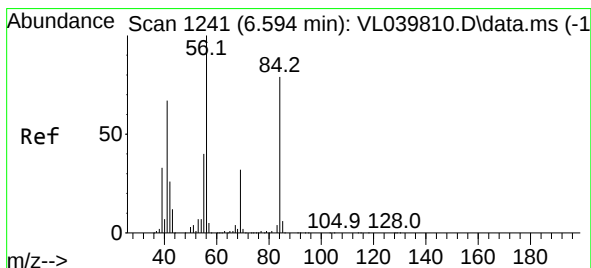
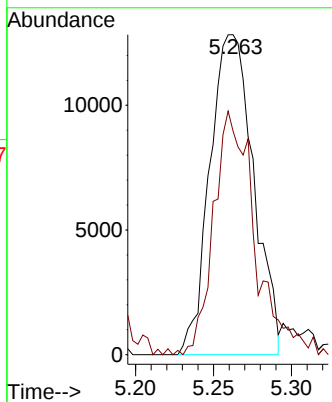
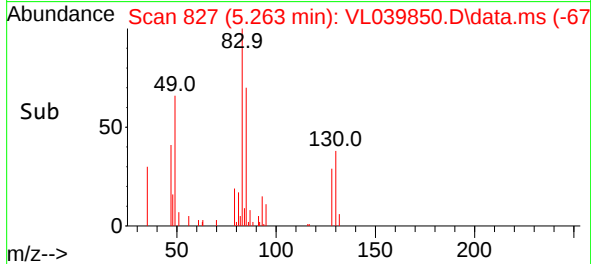
Instrument :
MSVOA_L
ClientSampleId :
10053-BASEMENT-BARDUP



Tgt Ion: 83 Resp: 25049
Ion Ratio Lower Upper
83 100
85 68.5 51.6 77.4

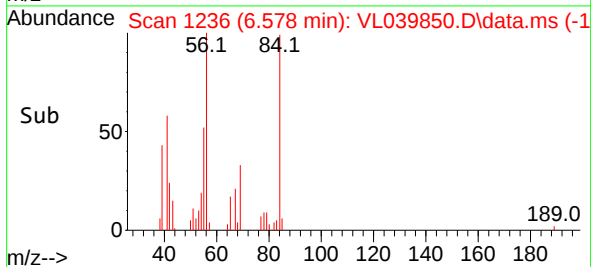
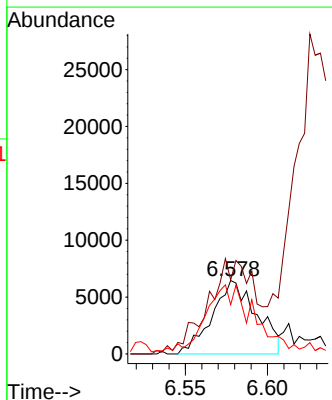
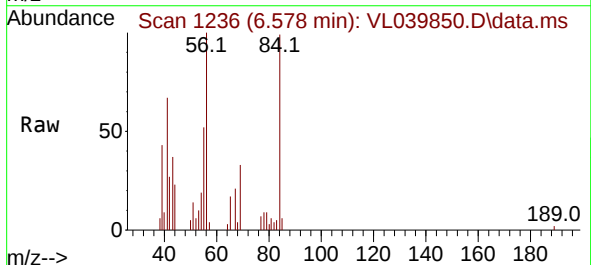
Manual Integrations
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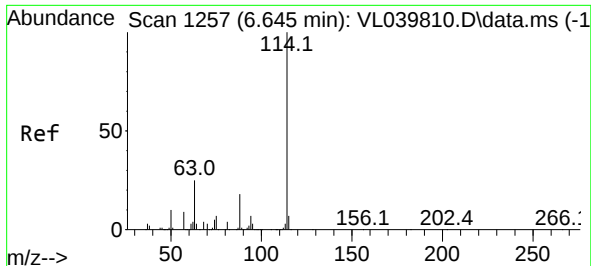
Reviewed By :Semsettin Yesilyurt 11/10/2022
Supervised By :Mahesh Dadoda 11/11/2022



#30
Cyclohexane
Concen: 0.136 ppbv
RT: 6.578 min Scan# 1236
Delta R.T. -0.016 min
Lab File: VL039850.D
Acq: 9 Nov 2022 16:16

Tgt Ion: 84 Resp: 12115
Ion Ratio Lower Upper
84 100
56 127.0 114.8 172.2
41 119.6 68.6 103.0#





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.632 min Scan# 114

Delta R.T. -0.013 min

Lab File: VL039850.D

Acq: 9 Nov 2022 16:16

Instrument :

MSVOA_L

ClientSampleId :

10053-BASEMENT-BARDUP

Tgt Ion:114 Resp: 222611

Ion Ratio Lower Upper

114 100

63 26.9 19.8 29.6

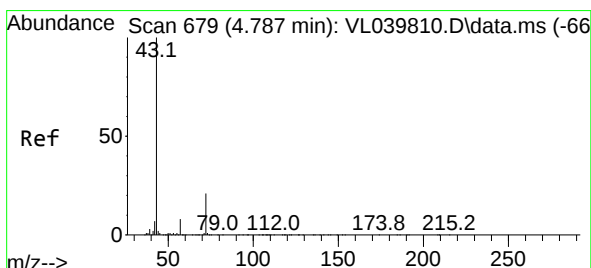
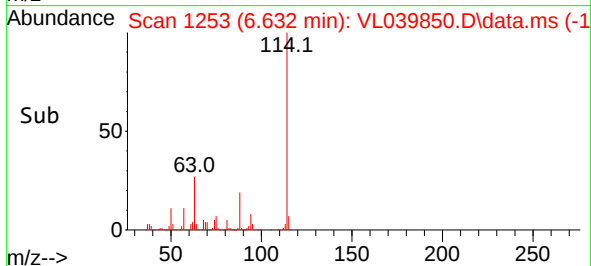
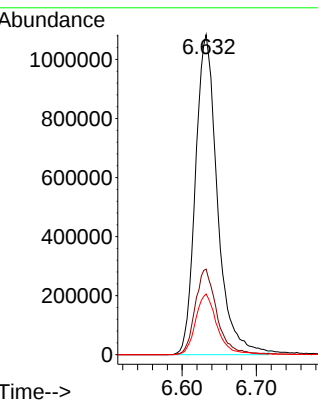
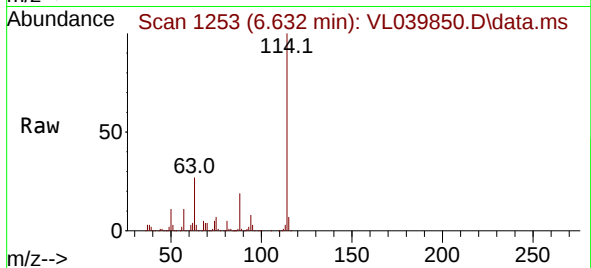
88 18.8 14.4 21.6

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Reviewed By :Semsettin Yesilyurt 11/10/2022

Supervised By :Mahesh Dadoda 11/11/2022



#34

2-Butanone

Concen: 8.159 ppbv

RT: 4.774 min Scan# 675

Delta R.T. -0.013 min

Lab File: VL039850.D

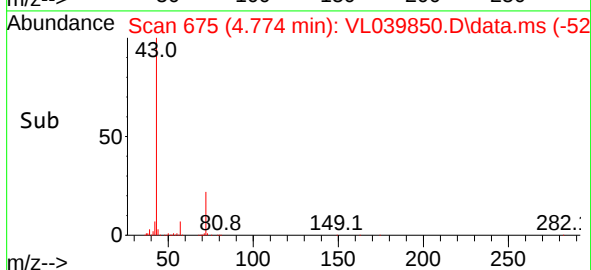
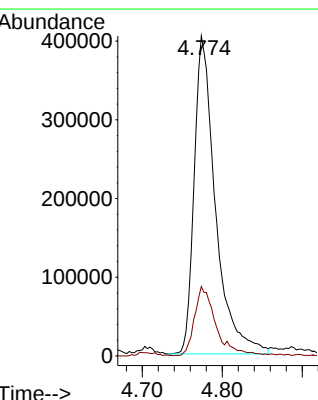
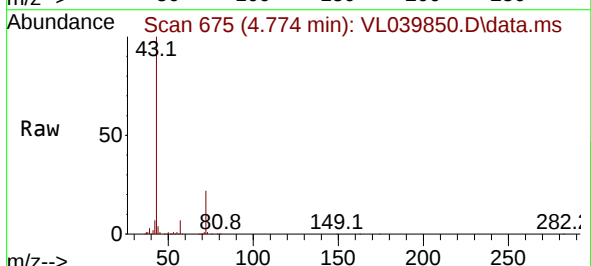
Acq: 9 Nov 2022 16:16

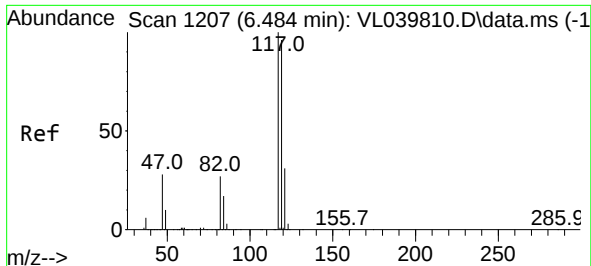
Tgt Ion: 43 Resp: 749321

Ion Ratio Lower Upper

43 100

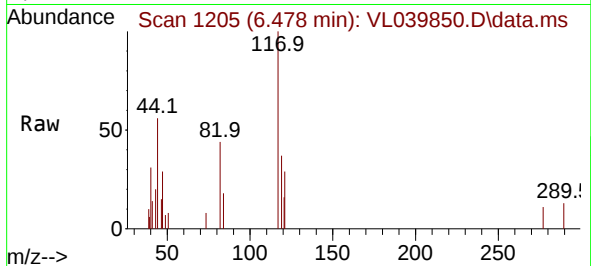
72 22.0 17.5 26.3





#35
Carbon Tetrachloride
Concen: 0.035 ppbv m
RT: 6.478 min Scan# 117
Delta R.T. -0.006 min
Lab File: VL039850.D
Acq: 9 Nov 2022 16:16

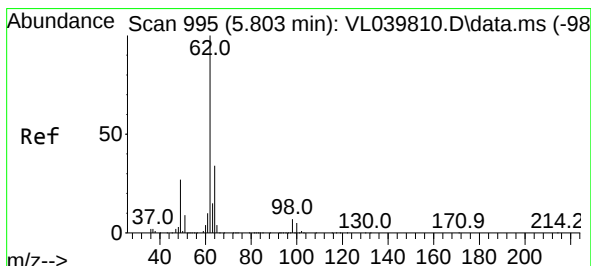
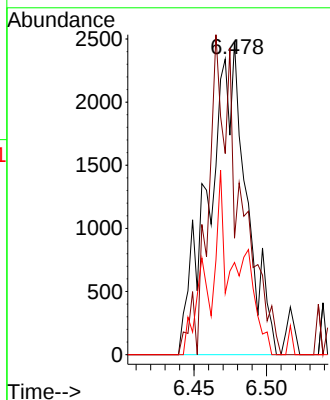
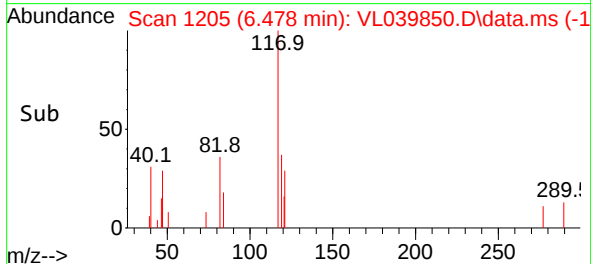
Instrument : MSVOA_L
ClientSampleId : 10053-BASEMENT-BARDUP



Tgt Ion: 117 Resp: 4480
Ion Ratio Lower Upper
117 100
119 37.3 76.5 114.7
121 29.5 25.2 37.8

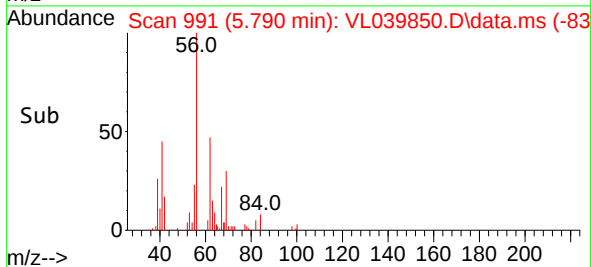
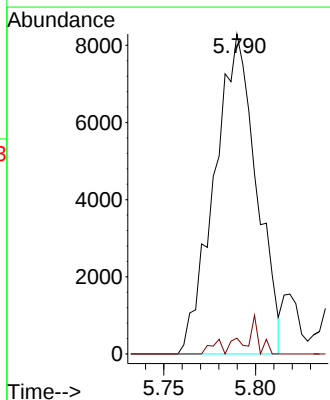
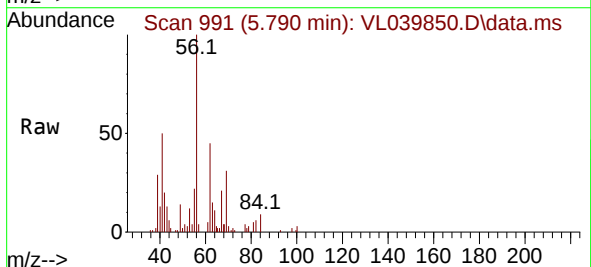
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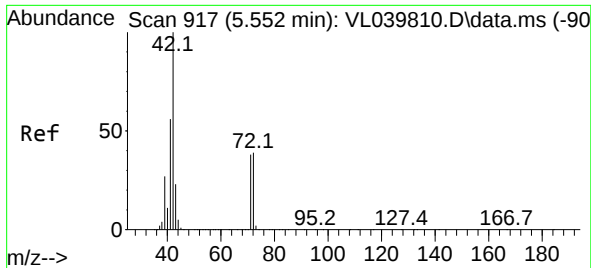
Reviewed By :Semsettin Yesilyurt 11/10/2022
Supervised By :Mahesh Dadoda 11/11/2022



#37
1,2-Dichloroethane
Concen: 0.147 ppbv
RT: 5.790 min Scan# 991
Delta R.T. -0.013 min
Lab File: VL039850.D
Acq: 9 Nov 2022 16:16

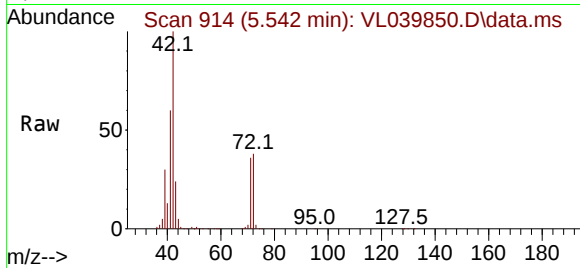
Tgt Ion: 62 Resp: 13235
Ion Ratio Lower Upper
62 100
98 4.9 5.4 8.2#





#41
Tetrahydrofuran
Concen: 5.048 ppbv
RT: 5.542 min Scan# 914
Delta R.T. -0.010 min
Lab File: VL039850.D
Acq: 9 Nov 2022 16:16

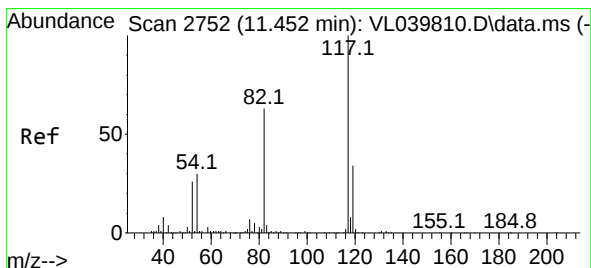
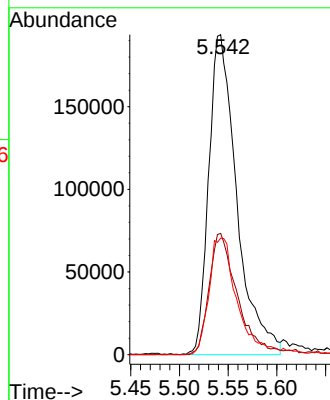
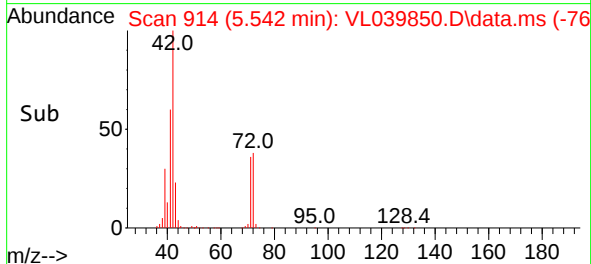
Instrument : MSVOA_L
ClientSampleId : 10053-BASEMENT-BARDUP



Tgt Ion: 42 Resp: 387438
Ion Ratio Lower Upper
42 100
72 39.9 31.4 47.2
71 37.7 31.5 47.3

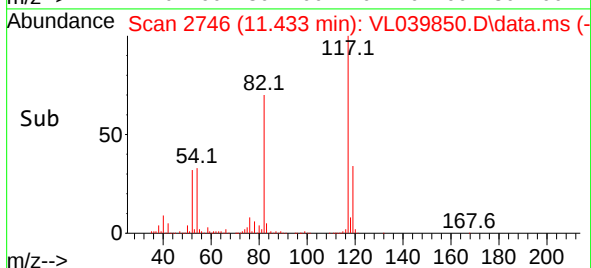
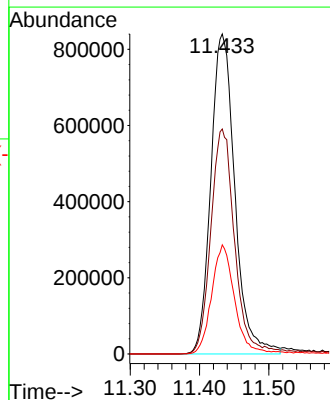
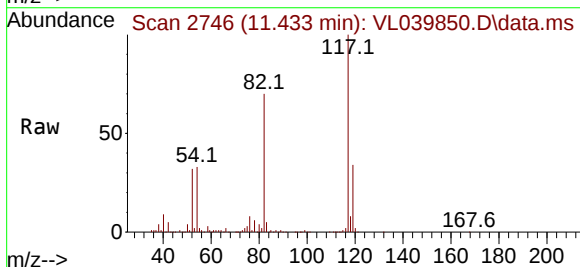
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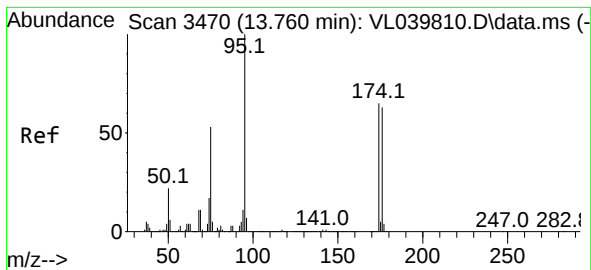
Reviewed By :Semsettin Yesilyurt 11/10/2022
Supervised By :Mahesh Dadoda 11/11/2022



#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.433 min Scan# 2746
Delta R.T. -0.019 min
Lab File: VL039850.D
Acq: 9 Nov 2022 16:16

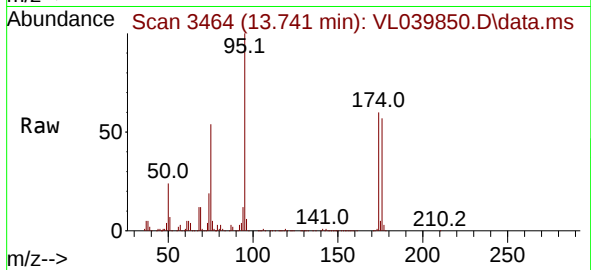
Tgt Ion:117 Resp: 2022688
Ion Ratio Lower Upper
117 100
82 71.7 51.0 76.6
119 33.2 24.7 37.1





#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.427 ppbv
 RT: 13.741 min Scan# 34
 Delta R.T. -0.019 min
 Lab File: VL039850.D
 Acq: 9 Nov 2022 16:16

Instrument : MSVOA_L
 ClientSampleId : 10053-BASEMENT-BARDUP



Tgt Ion: 95 Resp: 1578640

Ion	Ratio	Lower	Upper
95	100		
174	63.2	53.4	80.0
175	4.5	4.1	6.1

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 11/10/2022
 Supervised By :Mahesh Dadoda 11/11/2022

