

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL083122\
 Data File : VL039611.D
 Acq On : 31 Aug 2022 17:05
 Operator : SY/AP
 Sample : N4408-01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SVE-IN-082222

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 09/01/2022
 Supervised By : Mahesh Dadoda 09/02/2022

Quant Time: Aug 31 23:46:07 2022

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL081722AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022

QLast Update : Fri Aug 26 06:05:16 2022

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.217	49	931286	10.000	ppbv	0.01
33) 1,4-Difluorobenzene	6.674	114	2401766	10.000	ppbv	0.01
55) Chlorobenzene-d5	11.484	117	2125322	10.000	ppbv	0.01
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.796	95	1578400	9.844	ppbv	0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	98.400%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.758	85	106303	0.858	ppbv	94
4) Chloromethane	2.841	50	41009	0.614	ppbv	98
9) Propene	2.726	41	47459	0.935	ppbv	100
11) Trichlorofluoromethane	3.594	101	79146	0.582	ppbv	95
15) Acetone	3.494	43	2503269	23.996	ppbv	94
20) Methylene Chloride	3.963	84	174187	4.110	ppbv	98
26) Hexane	5.234	57	76180	0.836	ppbv #	42
29) Chloroform	5.298	83	73627m	0.517	ppbv	
31) cis-1,2-Dichloroethene	5.105	61	1008939	11.434	ppbv	100
32) 1,1,1-Trichloroethane	6.024	97	346674	2.766	ppbv	98
34) 2-Butanone	4.812	43	306975	2.571	ppbv	97
35) Carbon Tetrachloride	6.516	117	7763m	0.060	ppbv	
36) Benzene	6.394	78	19421m	0.106	ppbv	
38) Trichloroethene	7.311	130	1029840	10.498	ppbv	99
52) Tetrachloroethene	10.635	164	3815092	55.080	ppbv	96
53) Toluene	9.240	91	154039	0.752	ppbv	98

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

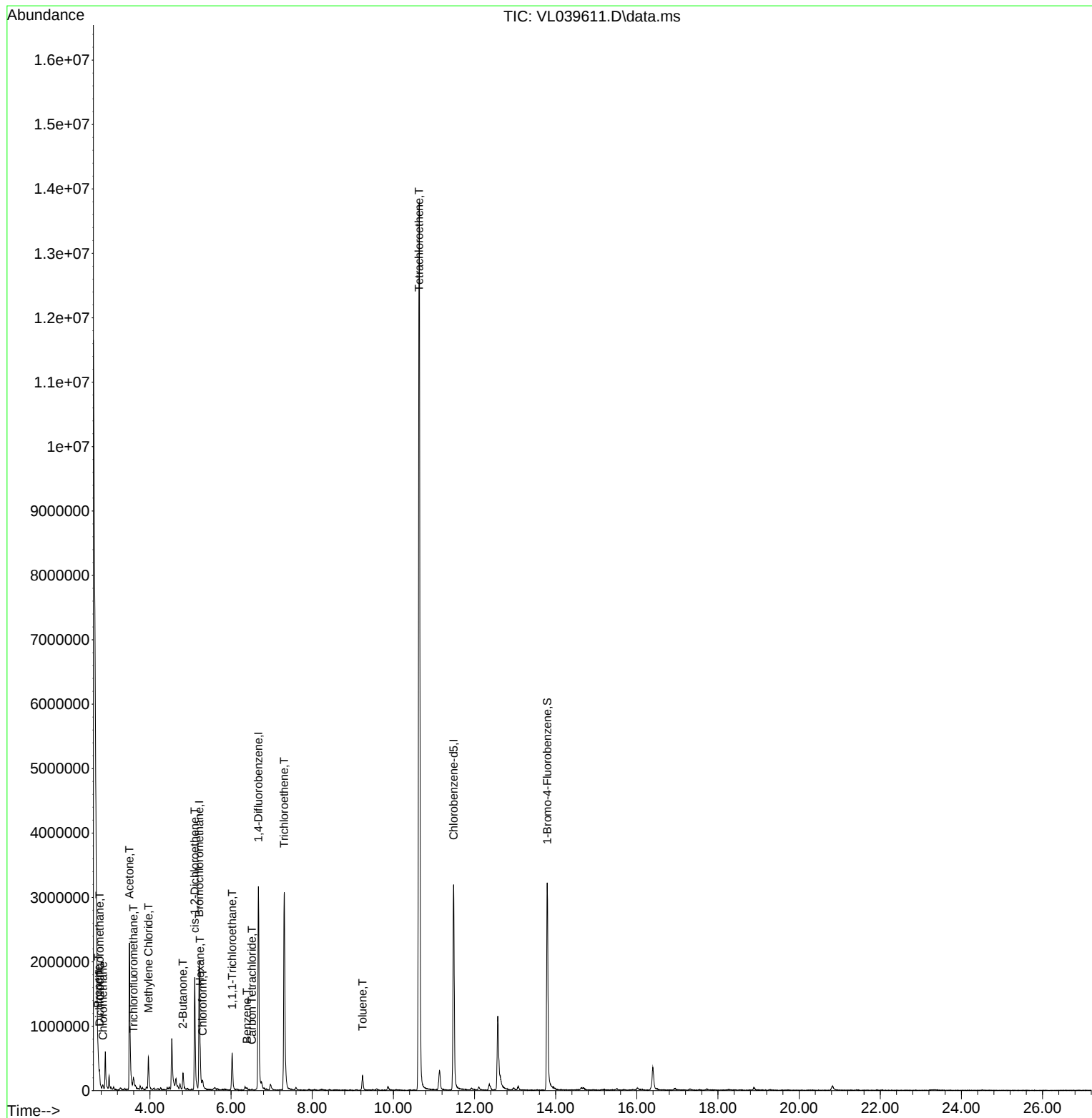
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL083122\
Data File : VL039611.D
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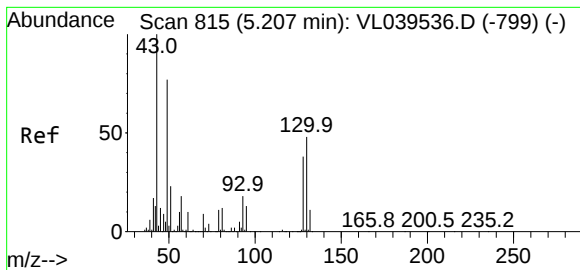
Instrument :
MSVOA_L
ClientSampleId :
SVE-IN-082222

Quant Time: Aug 31 23:46:07 2022
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL081722AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug
QLast Update : Fri Aug 26 06:05:16 2022
Response via : Initial Calibration

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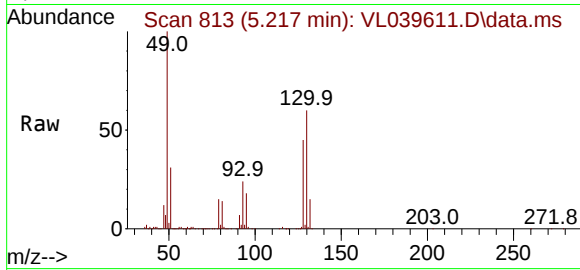
Reviewed By : Semsettin Yesilyurt 09/01/2022
Supervised By : Mahesh Dadoda 09/02/2022





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.217 min Scan# 81
Delta R.T. 0.010 min
Lab File: VL039611.D
Acq: 31 Aug 2022 17:05

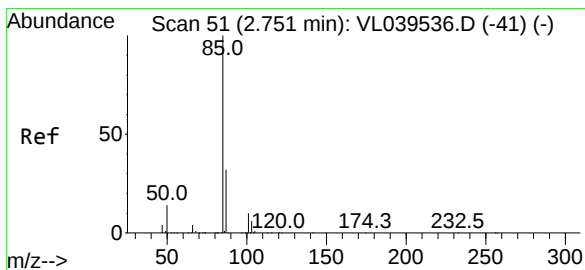
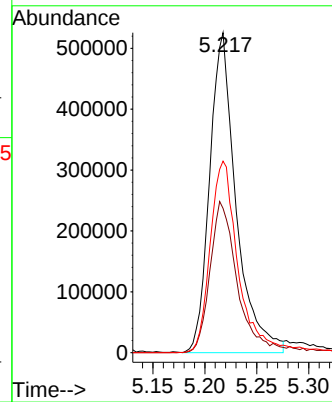
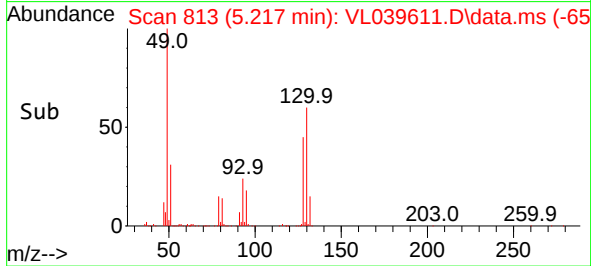
Instrument :
MSVOA_L
ClientSampleId :
SVE-IN-082222



Tgt Ion: 49 Resp: 931280
Ion Ratio Lower Upper
49 100
128 50.9 26.7 80.0
130 65.0 34.3 102.8

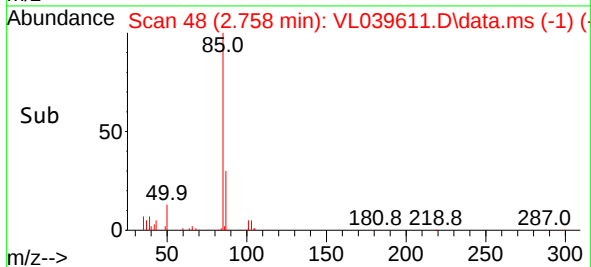
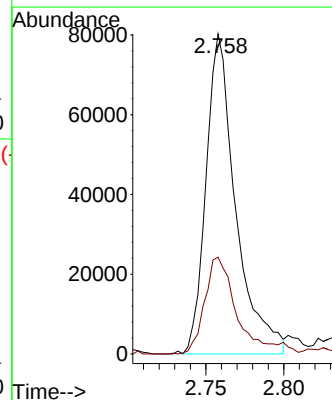
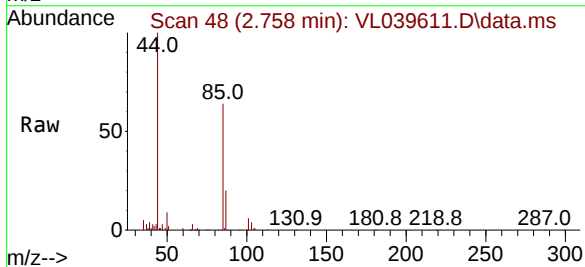
Manual Integrations
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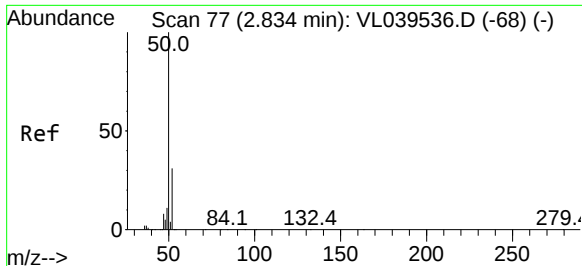
Reviewed By :Semsettin Yesilyurt 09/01/2022
Supervised By :Mahesh Dadoda 09/02/2022



#2
Dichlorodifluoromethane
Concen: 0.858 ppbv
RT: 2.758 min Scan# 48
Delta R.T. 0.007 min
Lab File: VL039611.D
Acq: 31 Aug 2022 17:05

Tgt Ion: 85 Resp: 106303
Ion Ratio Lower Upper
85 100
87 29.9 26.7 40.1





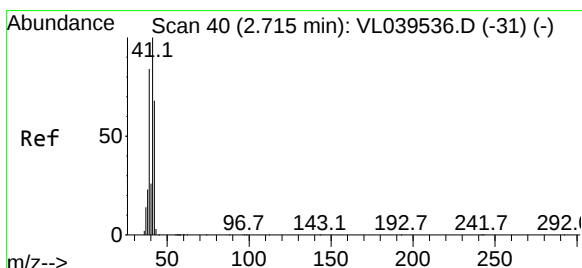
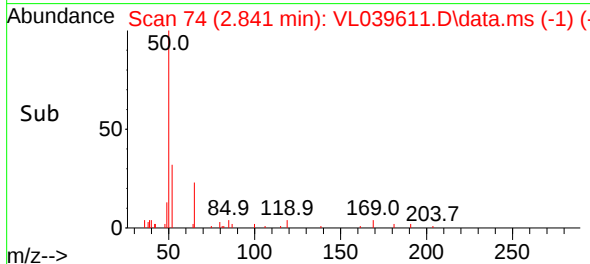
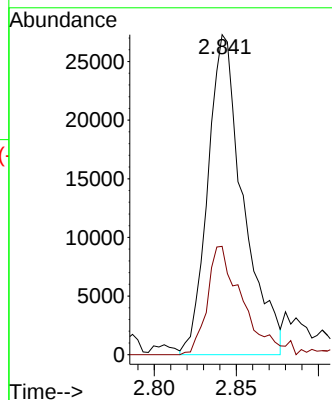
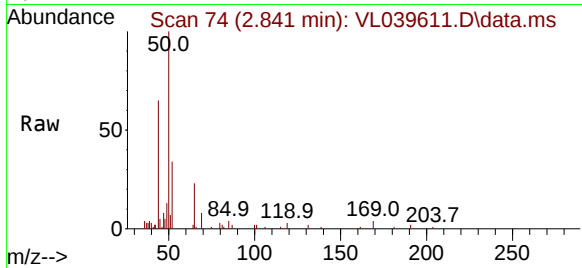
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Chloromethane
Concen: 0.614 ppbv
RT: 2.841 min Scan# 74
Delta R.T. 0.007 min
Lab File: VL039611.D
Acq: 31 Aug 2022 17:05

Instrument :
MSVOA_L
ClientSampleId :
SVE-IN-082222

Tgt Ion: 50 Resp: 41009
Ion Ratio Lower Upper
50 100
52 34.2 26.5 39.7

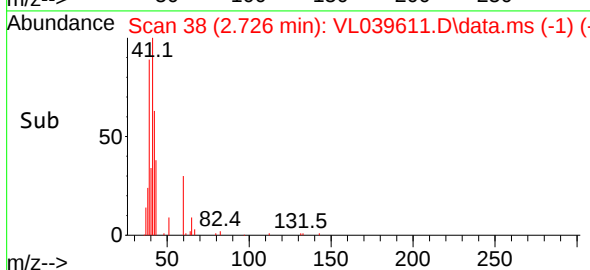
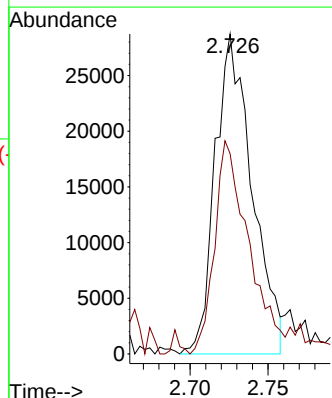
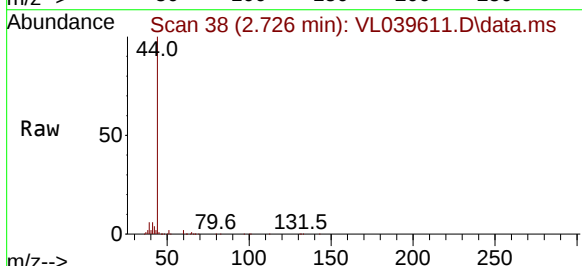
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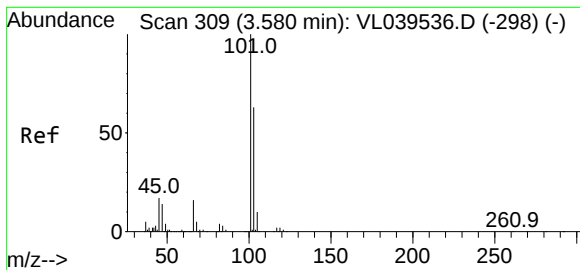
Reviewed By :Semsettin Yesilyurt 09/01/2022
Supervised By :Mahesh Dadoda 09/02/2022



#9
Propene
Concen: 0.935 ppbv
RT: 2.726 min Scan# 38
Delta R.T. 0.010 min
Lab File: VL039611.D
Acq: 31 Aug 2022 17:05

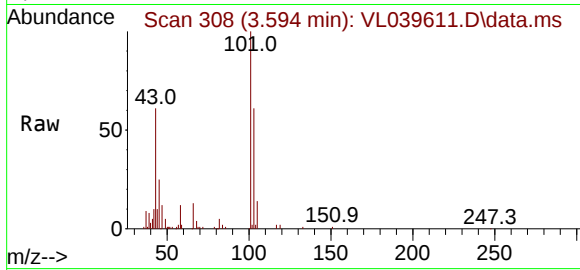
Tgt Ion: 41 Resp: 47459
Ion Ratio Lower Upper
41 100
42 69.2 55.2 82.8





#11
Trichlorofluoromethane
Concen: 0.582 ppbv
RT: 3.594 min Scan# 309
Delta R.T. 0.013 min
Lab File: VL039611.D
Acq: 31 Aug 2022 17:05

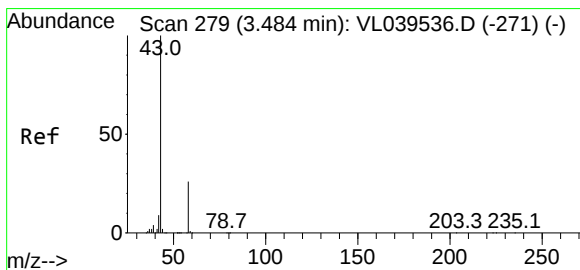
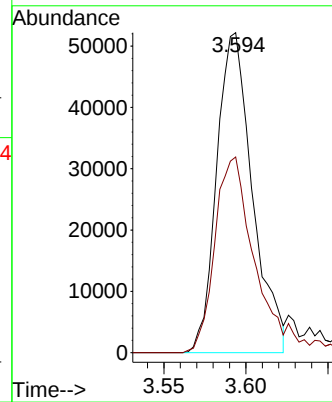
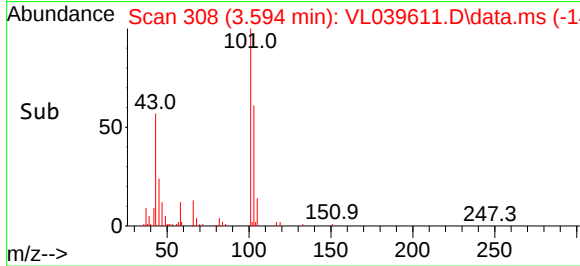
Instrument :
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Tgt Ion:101 Resp: 79140
Ion Ratio Lower Upper
101 100
103 61.2 51.8 77.8

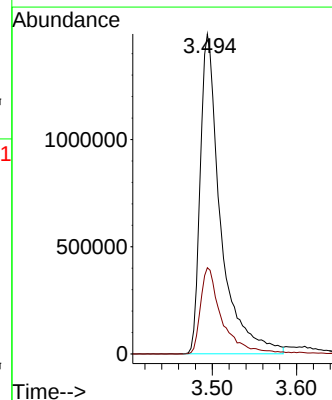
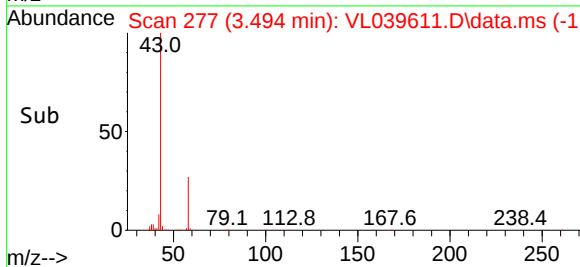
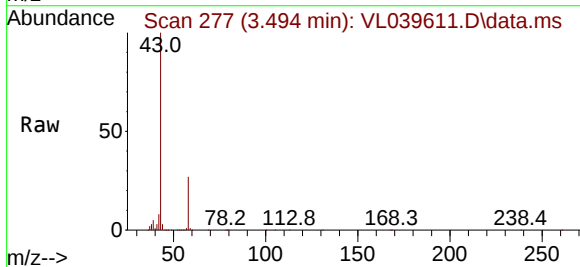
Manual Integrations
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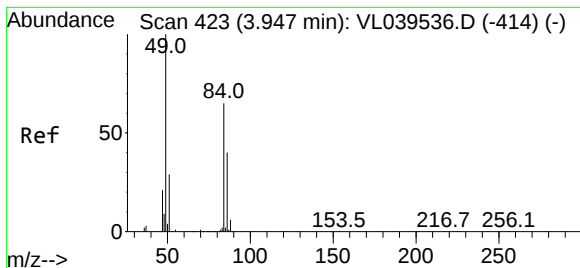
Reviewed By :Semsettin Yesilyurt 09/01/2022
Supervised By :Mahesh Dadoda 09/02/2022



#15
Acetone
Concen: 23.996 ppbv
RT: 3.494 min Scan# 277
Delta R.T. 0.010 min
Lab File: VL039611.D
Acq: 31 Aug 2022 17:05

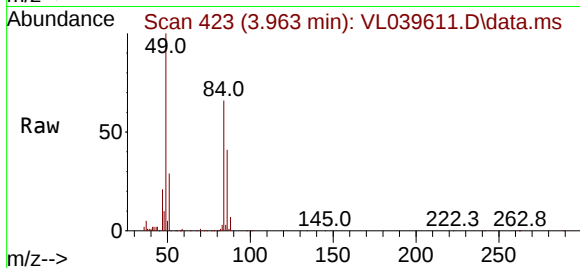
Tgt Ion: 43 Resp: 2503269
Ion Ratio Lower Upper
43 100
58 29.3 21.0 31.6





#20
Methylene Chloride
Concen: 4.110 ppbv
RT: 3.963 min Scan# 41
Delta R.T. 0.017 min
Lab File: VL039611.D
Acq: 31 Aug 2022 17:05

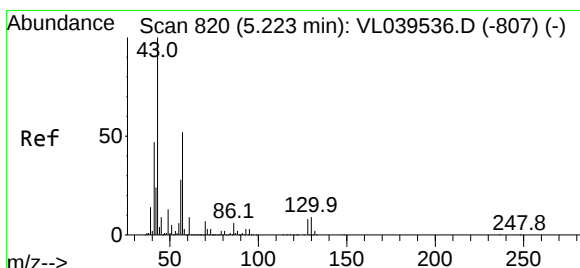
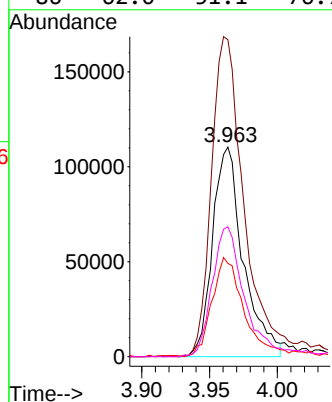
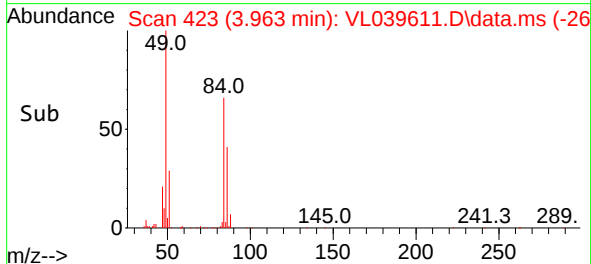
Instrument :
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ClientSampleId :
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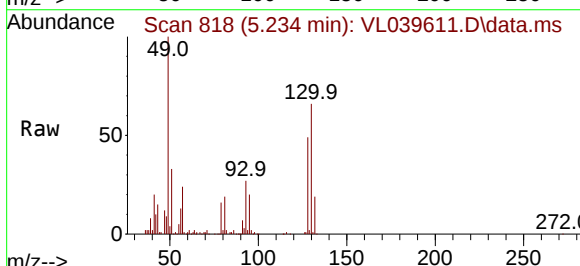
Tgt Ion: 84 Resp: 17418
Ion Ratio Lower Upper
84 100
49 151.3 123.1 184.7
51 44.1 34.4 51.6
86 62.0 51.1 76.7

Manual Integrations
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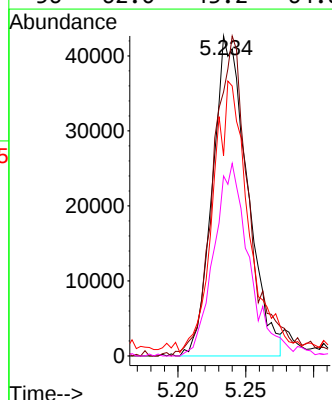
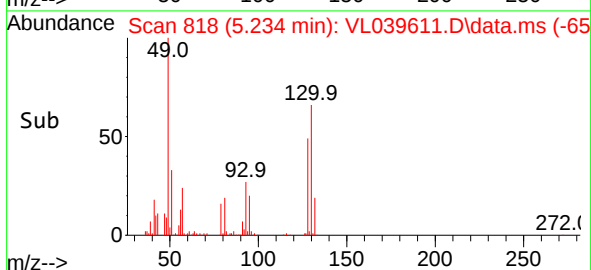
Reviewed By :Semsettin Yesilyurt 09/01/2022
Supervised By :Mahesh Dadoda 09/02/2022

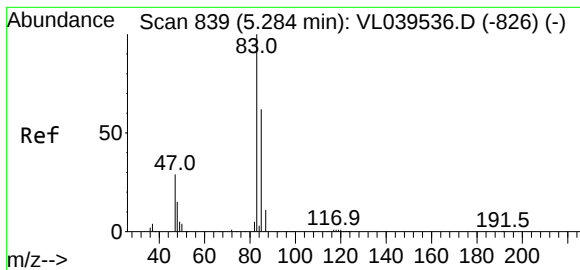


#26
Hexane
Concen: 0.836 ppbv
RT: 5.234 min Scan# 818
Delta R.T. 0.010 min
Lab File: VL039611.D
Acq: 31 Aug 2022 17:05



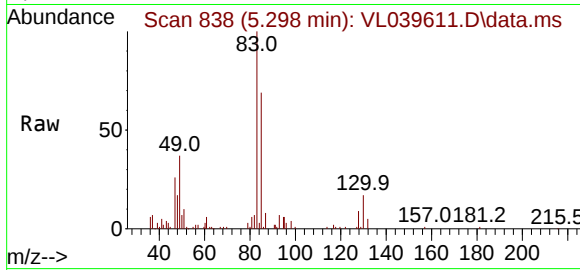
Tgt Ion: 57 Resp: 76180
Ion Ratio Lower Upper
57 100
41 104.7 76.9 115.3
43 89.2 191.0 286.6#
56 62.0 43.2 64.8





#29
Chloroform
Concen: 0.517 ppbv m
RT: 5.298 min Scan# 81
Delta R.T. 0.013 min
Lab File: VL039611.D
Acq: 31 Aug 2022 17:05

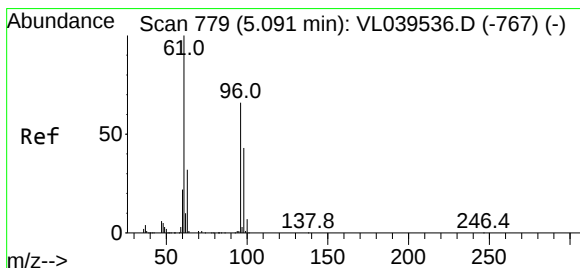
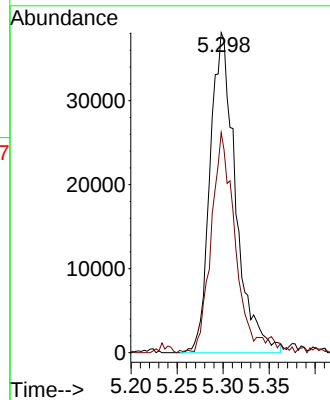
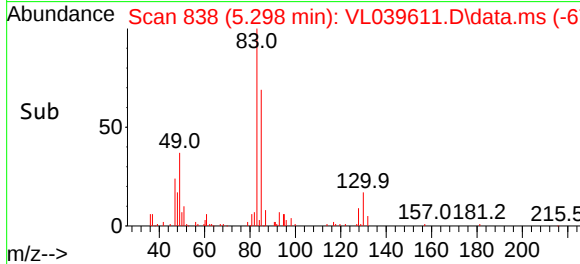
Instrument :
MSVOA_L
ClientSampleId :
SVE-IN-082222



Tgt Ion: 83 Resp: 7362
Ion Ratio Lower Upper
83 100
85 68.7 52.8 79.2

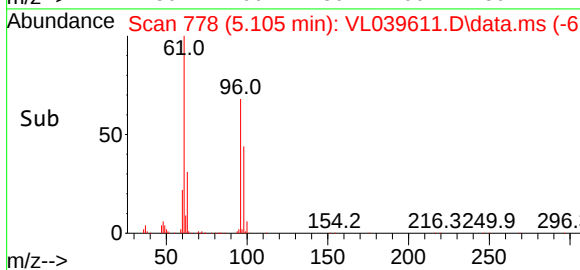
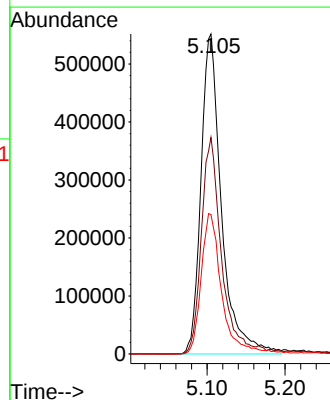
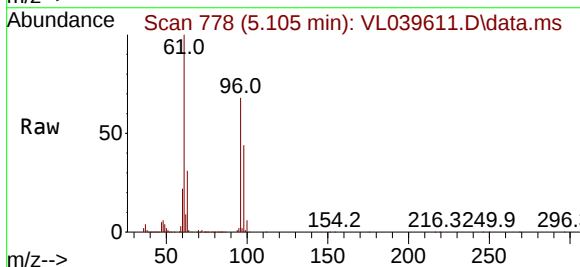
Manual Integrations
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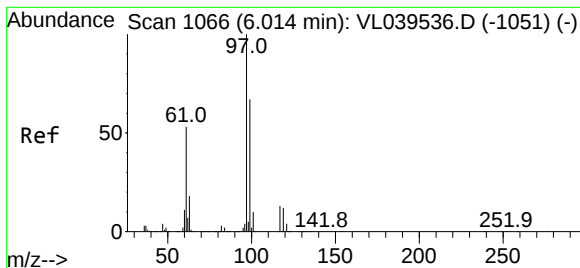
Reviewed By :Semsettin Yesilyurt 09/01/2022
Supervised By :Mahesh Dadoda 09/02/2022



#31
cis-1,2-Dichloroethene
Concen: 11.434 ppbv
RT: 5.105 min Scan# 778
Delta R.T. 0.013 min
Lab File: VL039611.D
Acq: 31 Aug 2022 17:05

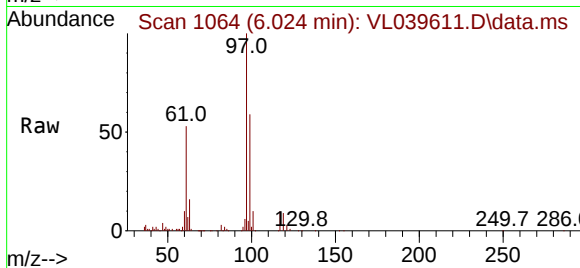
Tgt Ion: 61 Resp: 1008939
Ion Ratio Lower Upper
61 100
96 67.6 54.1 81.1
98 43.5 34.6 52.0





#32
1,1,1-Trichloroethane
Concen: 2.766 ppbv
RT: 6.024 min Scan# 1066
Delta R.T. 0.010 min
Lab File: VL039611.D
Acq: 31 Aug 2022 17:05

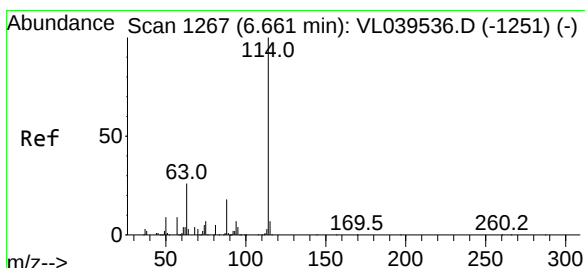
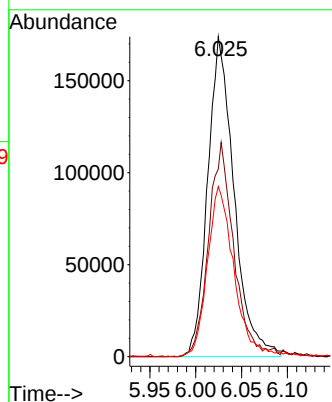
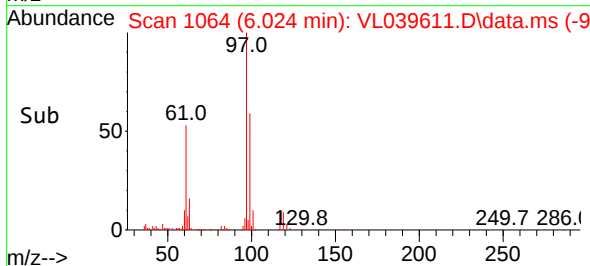
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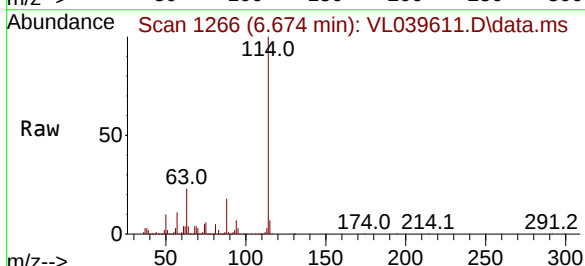
Tgt Ion: 97 Resp: 346674
Ion Ratio Lower Upper
97 100
99 65.6 52.3 78.5
61 54.2 40.9 61.3

Manual Integrations
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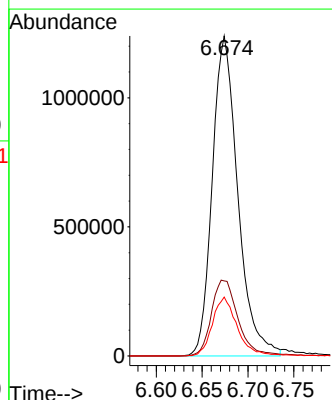
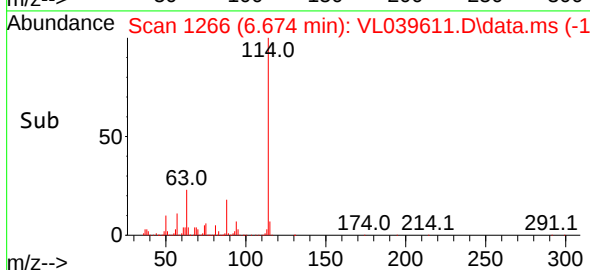
Reviewed By :Semsettin Yesilyurt 09/01/2022
Supervised By :Mahesh Dadoda 09/02/2022

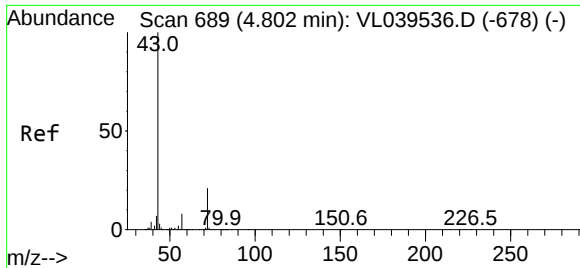


#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 6.674 min Scan# 1266
Delta R.T. 0.013 min
Lab File: VL039611.D
Acq: 31 Aug 2022 17:05



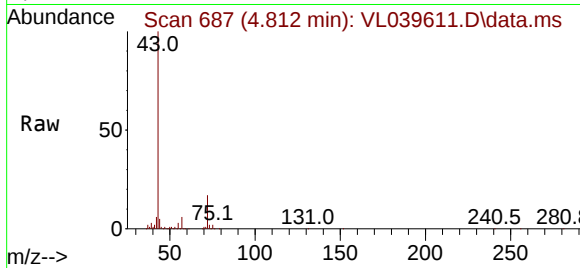
Tgt Ion:114 Resp: 2401766
Ion Ratio Lower Upper
114 100
63 25.1 20.2 30.4
88 18.1 14.5 21.7





#34
2-Butanone
Concen: 2.571 ppbv
RT: 4.812 min Scan# 61
Delta R.T. 0.010 min
Lab File: VL039611.D
Acq: 31 Aug 2022 17:05

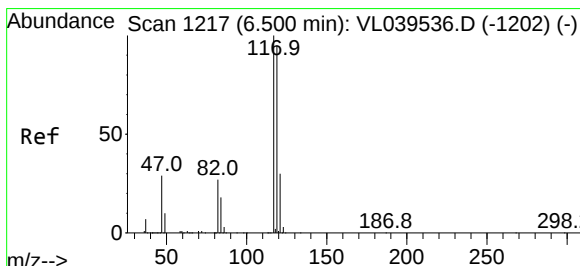
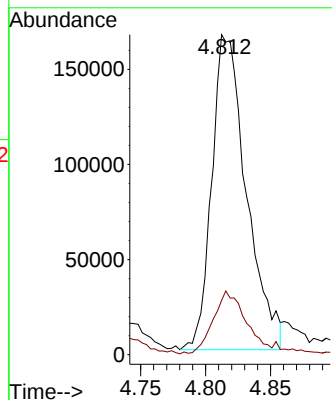
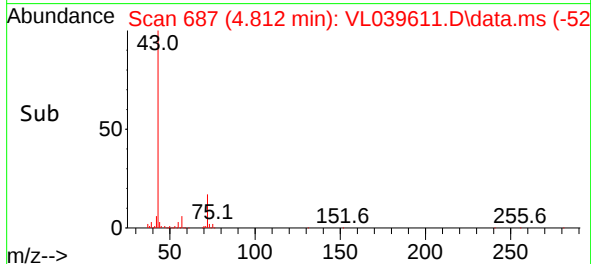
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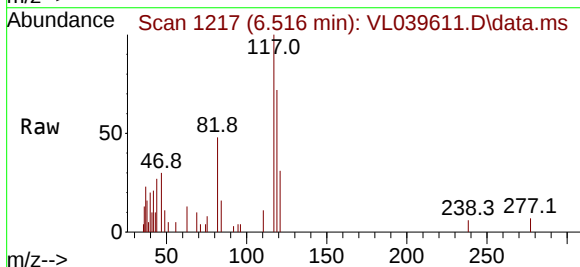
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Ion Ratio Lower Upper
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72 21.1 17.9 26.9

Manual Integrations
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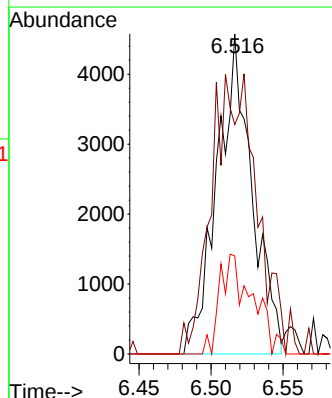
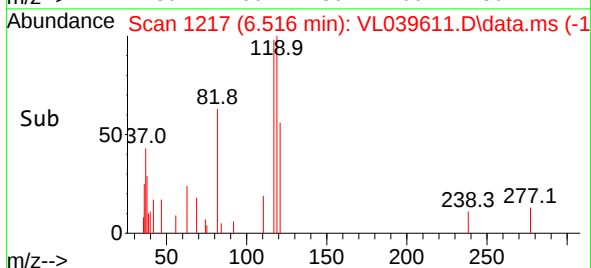
Reviewed By :Semsettin Yesilyurt 09/01/2022
Supervised By :Mahesh Dadoda 09/02/2022

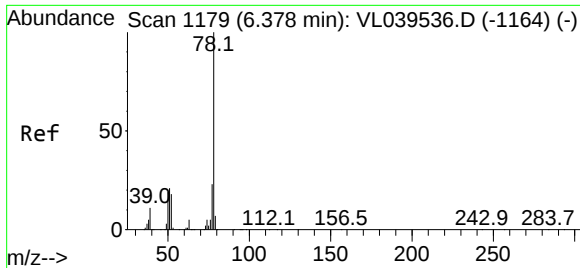


#35
Carbon Tetrachloride
Concen: 0.060 ppbv m
RT: 6.516 min Scan# 1217
Delta R.T. 0.017 min
Lab File: VL039611.D
Acq: 31 Aug 2022 17:05



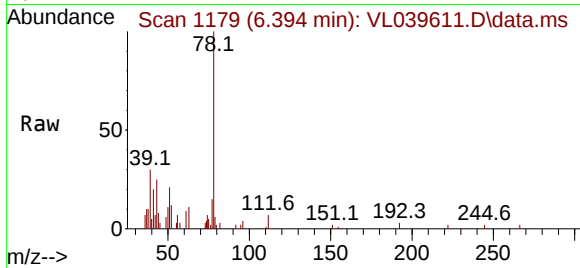
Tgt Ion:117 Resp: 7763
Ion Ratio Lower Upper
117 100
119 71.7 75.4 113.2#
121 30.6 24.2 36.2





#36
Benzene
Concen: 0.106 ppbv m
RT: 6.394 min Scan# 1179
Delta R.T. 0.017 min
Lab File: VL039611.D
Acq: 31 Aug 2022 17:05

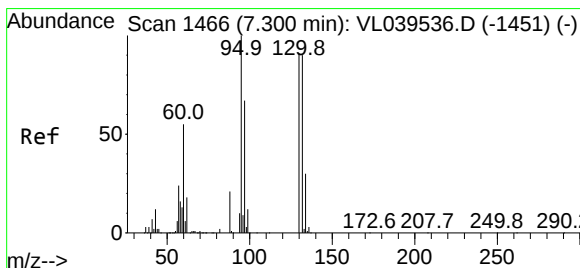
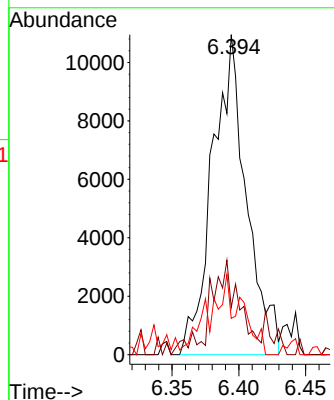
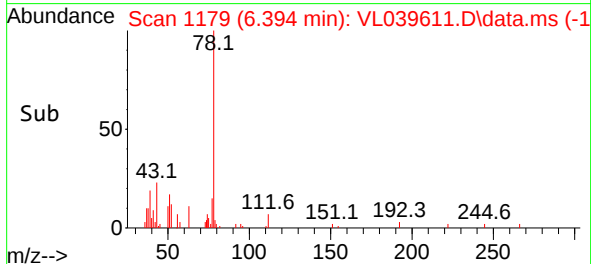
Instrument :
MSVOA_L
ClientSampleId :
SVE-IN-082222



Tgt Ion: 78 Resp: 1942
Ion Ratio Lower Upper
78 100
77 14.7 20.3 30.5
50 11.3 15.5 23.3

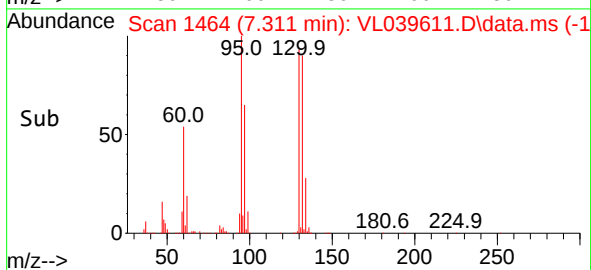
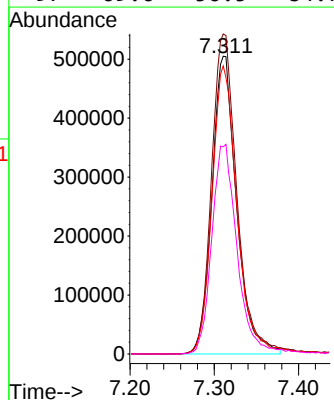
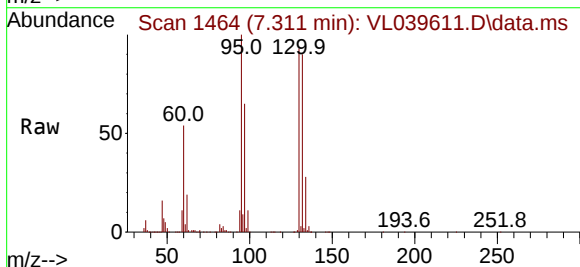
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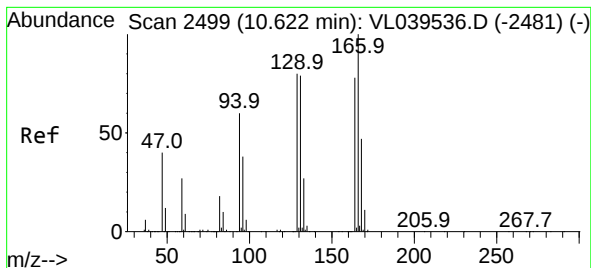
Reviewed By :Semsettin Yesilyurt 09/01/2022
Supervised By :Mahesh Dadoda 09/02/2022



#38
Trichloroethene
Concen: 10.498 ppbv
RT: 7.311 min Scan# 1464
Delta R.T. 0.010 min
Lab File: VL039611.D
Acq: 31 Aug 2022 17:05

Tgt Ion:130 Resp: 1029840
Ion Ratio Lower Upper
130 100
95 107.5 87.3 130.9
132 96.7 76.7 115.1
97 69.6 56.5 84.7





#52

Tetrachloroethene

Concen: 55.080 ppbv

RT: 10.635 min Scan# 2499

Delta R.T. 0.013 min

Lab File: VL039611.D

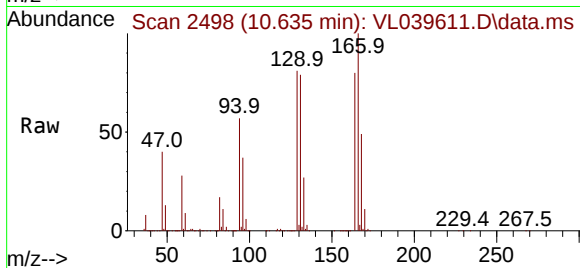
Acq: 31 Aug 2022 17:05

Instrument :

MSVOA_L

ClientSampleId :

SVE-IN-082222



Tgt Ion:164 Resp: 381509

Ion Ratio Lower Upper

164 100

166 125.5 102.2 153.2

129 101.3 85.8 128.8

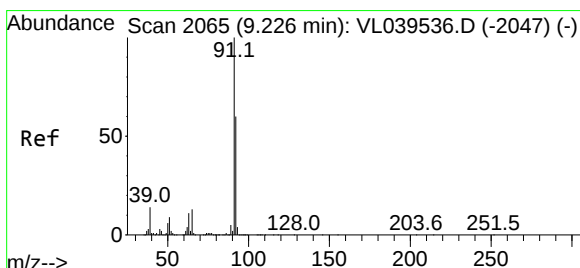
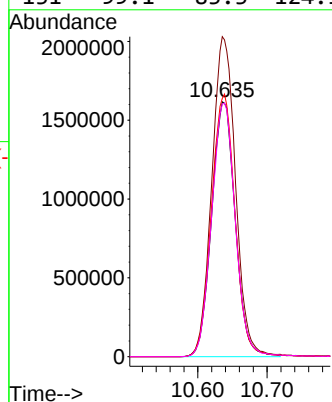
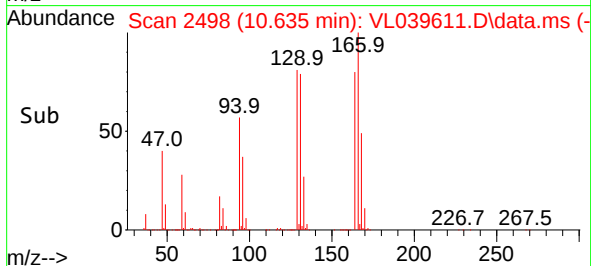
131 99.1 83.3 124.9

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 09/01/2022

Supervised By :Mahesh Dadoda 09/02/2022



#53

Toluene

Concen: 0.752 ppbv

RT: 9.240 min Scan# 2064

Delta R.T. 0.013 min

Lab File: VL039611.D

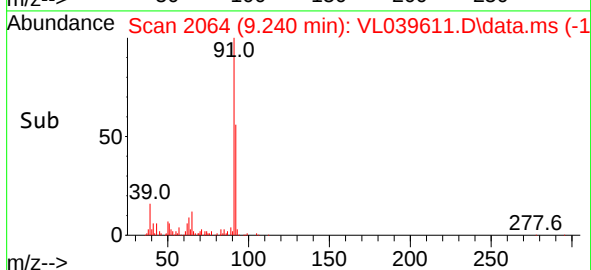
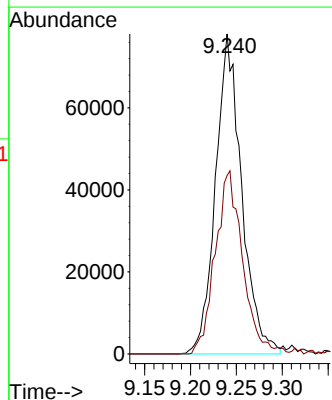
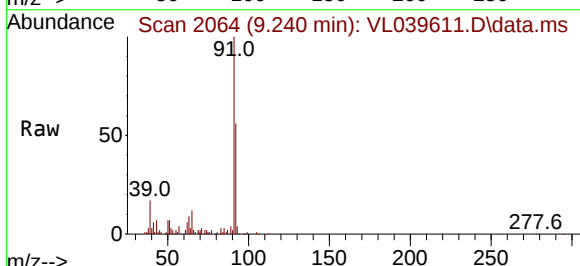
Acq: 31 Aug 2022 17:05

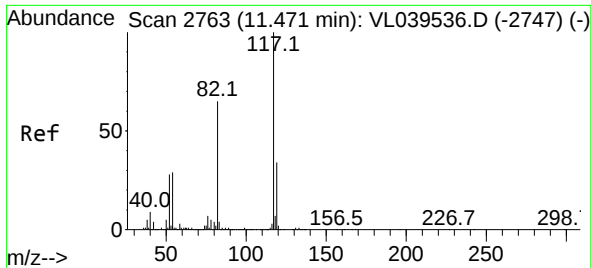
Tgt Ion: 91 Resp: 154039

Ion Ratio Lower Upper

91 100

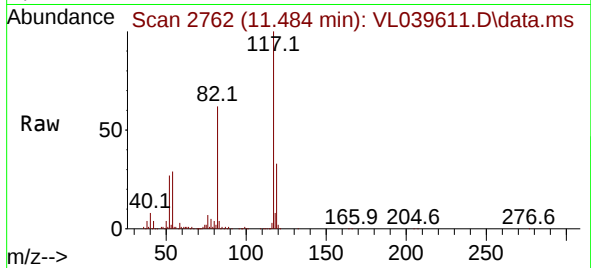
92 61.4 48.2 72.2





#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.484 min Scan# 21
Delta R.T. 0.013 min
Lab File: VL039611.D
Acq: 31 Aug 2022 17:05

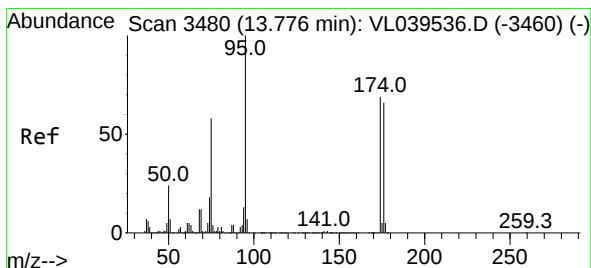
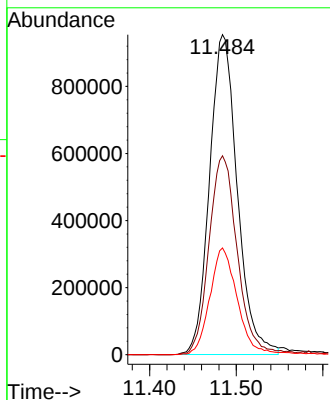
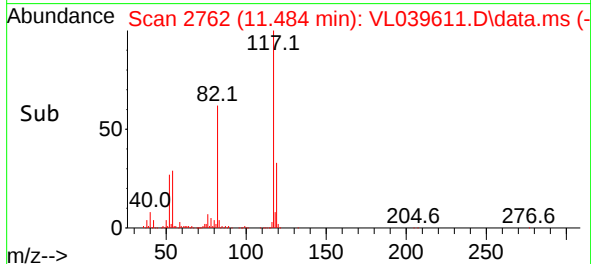
Instrument :
MSVOA_L
ClientSampleId :
SVE-IN-082222



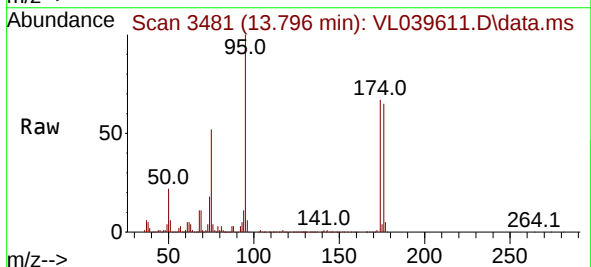
Tgt Ion: 117 Resp: 212532
Ion Ratio Lower Upper
117 100
82 64.5 50.8 76.2
119 33.7 24.1 36.1

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 09/01/2022
Supervised By :Mahesh Dadoda 09/02/2022



#68
1-Bromo-4-Fluorobenzene
Concen: 9.844 ppbv
RT: 13.796 min Scan# 3481
Delta R.T. 0.020 min
Lab File: VL039611.D
Acq: 31 Aug 2022 17:05



Tgt Ion: 95 Resp: 1578400
Ion Ratio Lower Upper
95 100
174 71.5 55.9 83.9
175 5.5 4.2 6.4

