

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL120122\
 Data File : VL039950.D
 Acq On : 1 Dec 2022 20:18
 Operator : SY/MD
 Sample : N5825-02DL 10X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 OTC-SSDL

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 12/02/2022
 Supervised By :Mahesh Dadoda 12/05/2022

Quant Time: Dec 02 05:35:10 2022

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL111822AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 12 2022

QLast Update : Fri Dec 02 05:29:35 2022

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	5.160	49	1309793	10.000	ppbv	-0.01
33) 1,4-Difluorobenzene	6.623	114	3486626	10.000	ppbv	-0.01
55) Chlorobenzene-d5	11.439	117	3223084	10.000	ppbv	-0.01
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.751	95	2504463	10.173	ppbv	-0.01
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.700%
Target Compounds						
					Qvalue	
3) Chlorodifluoromethane	2.645	51	306562	1.696	ppbv	100
9) Propene	2.671	41	40115	0.471	ppbv	98
13) Ethanol	3.211	45	126258m	19.424	ppbv	
15) Acetone	3.433	43	9150909	52.673	ppbv #	88
19) Isopropyl Alcohol	3.549	45	375156m	3.988	ppbv	
20) Methylene Chloride	3.902	84	187597	2.229	ppbv	97
26) Hexane	5.179	57	131144	0.941	ppbv #	39
29) Chloroform	5.240	83	31393m	0.170	ppbv	
34) 2-Butanone	4.764	43	72820	0.436	ppbv #	88
38) Trichloroethene	7.253	130	44163m	0.267	ppbv	
52) Tetrachloroethene	10.606	164	15149915	136.649	ppbv	92
59) m/p-Xylene	12.320	91	75291m	0.206	ppbv	
74) 1,2,4-Trimethylbenzene	16.082	105	60956m	0.160	ppbv	
79) Naphthalene	21.352	128	41786m	0.184	ppbv	

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

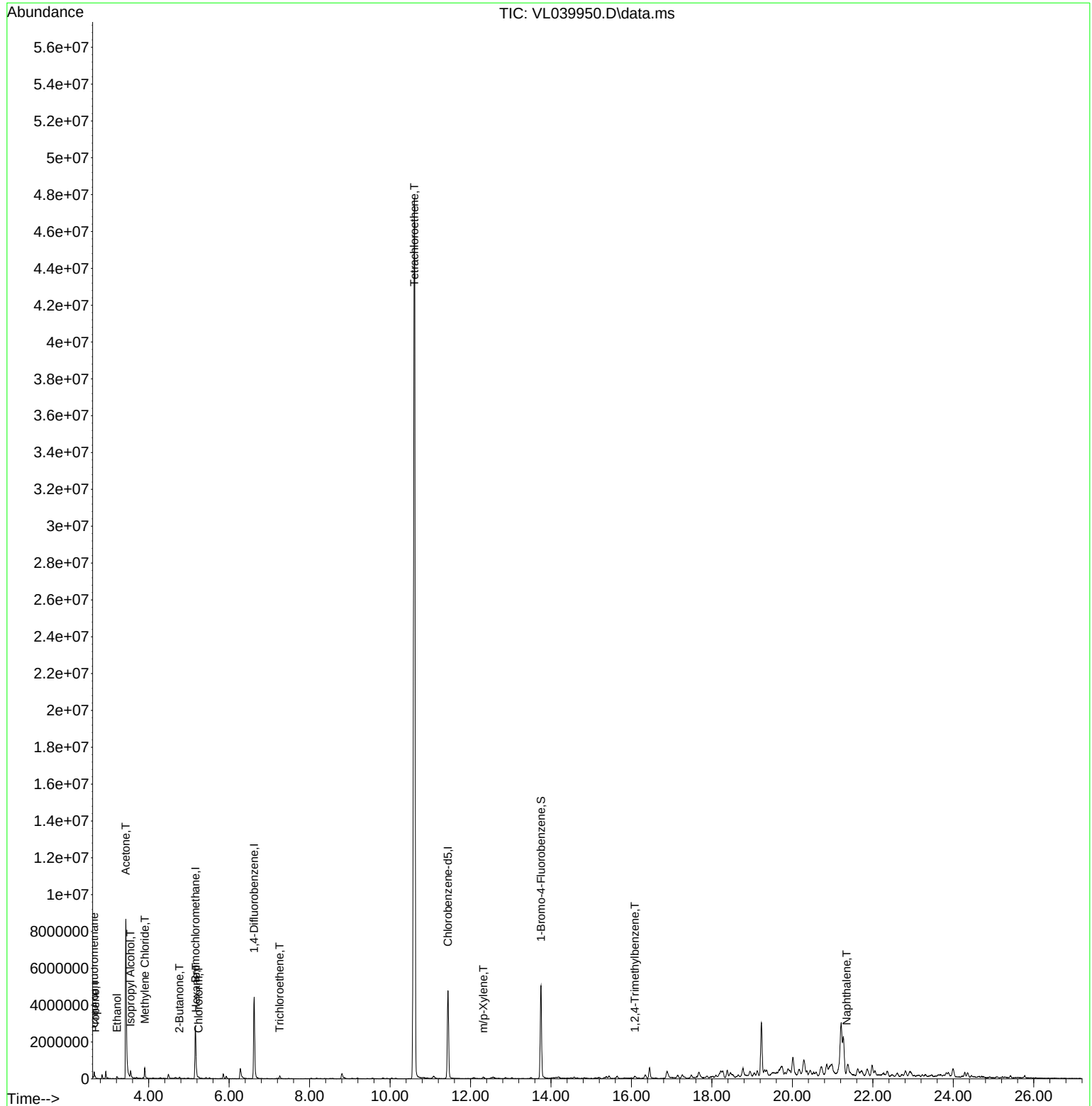
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL120122\
Data File : VL039950.D
Acq On : 1 Dec 2022 20:18
Operator : SY/MD
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Misc : 400mL/MSVOA_L
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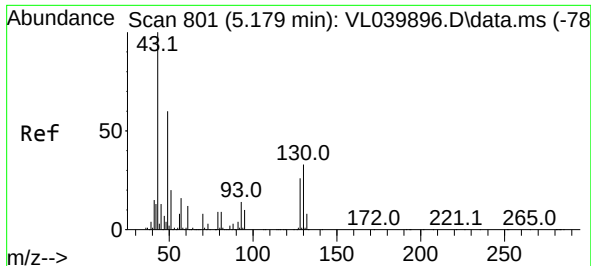
Instrument :
MSVOA_L
ClientSampleId :
OTC-SSDL

Quant Time: Dec 02 05:35:10 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL11822AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug
QLast Update : Fri Dec 02 05:29:35 2022
Response via : Initial Calibration

Manual Integrations
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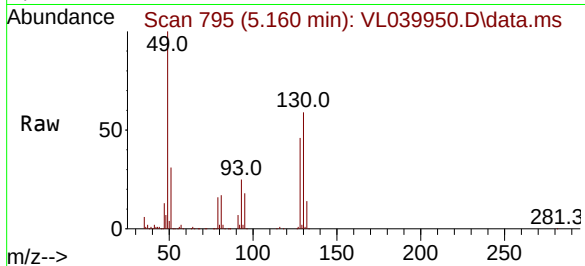
Reviewed By : Semsettin Yesilyurt 12/02/2022
Supervised By : Mahesh Dadoda 12/05/2022





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.160 min Scan# 795
Delta R.T. -0.013 min
Lab File: VL039950.D
Acq: 1 Dec 2022 20:18

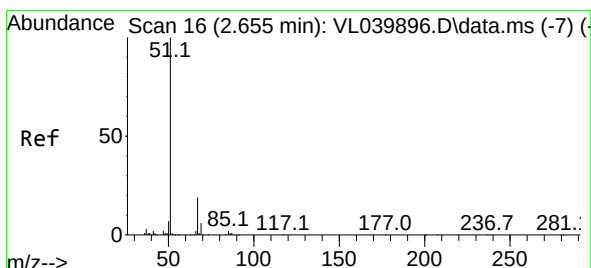
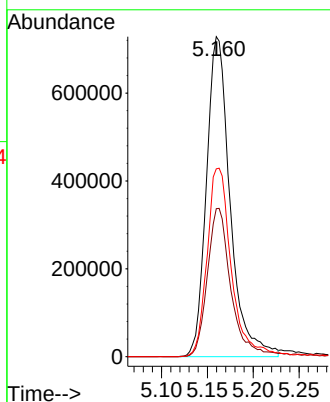
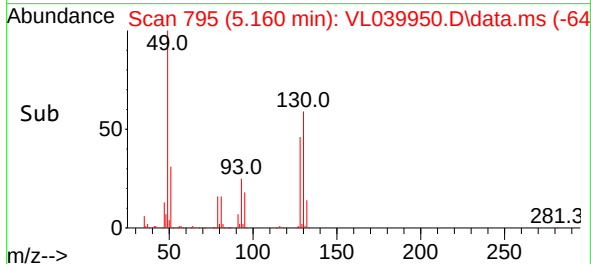
Instrument :
MSVOA_L
ClientSampleId :
OTC-SSDL



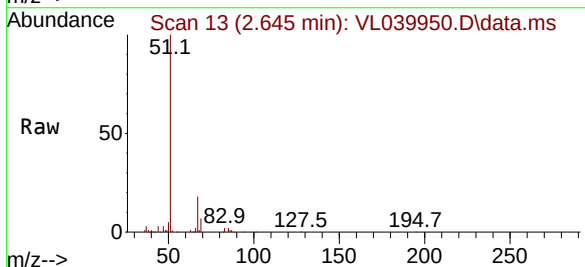
Tgt Ion: 49 Resp: 130979
Ion Ratio Lower Upper
49 100
128 47.7 22.1 66.3
130 61.8 27.7 83.1

Manual Integrations
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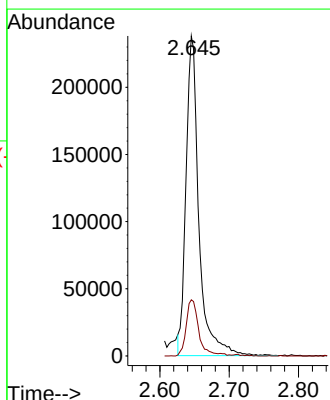
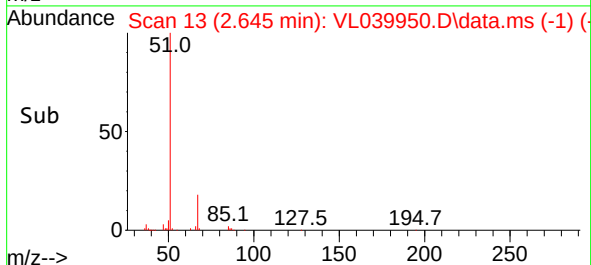
Reviewed By :Semsettin Yesilyurt 12/02/2022
Supervised By :Mahesh Dadoda 12/05/2022

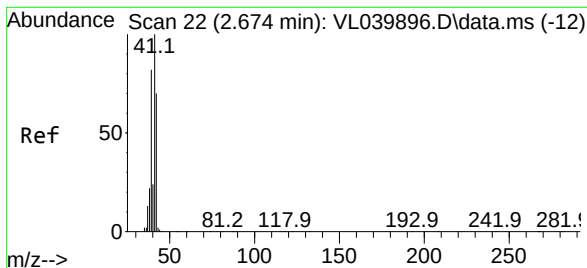


#3
Chlorodifluoromethane
Concen: 1.696 ppbv
RT: 2.645 min Scan# 13
Delta R.T. -0.010 min
Lab File: VL039950.D
Acq: 1 Dec 2022 20:18



Tgt Ion: 51 Resp: 306562
Ion Ratio Lower Upper
51 100
67 17.7 14.2 21.4





#9

Propene

Concen: 0.471 ppbv

RT: 2.671 min Scan# 21

Delta R.T. -0.000 min

Lab File: VL039950.D

Acq: 1 Dec 2022 20:18

Instrument :

MSVOA_L

ClientSampleId :

OTC-SSDL

Tgt Ion: 41 Resp: 4011

Ion Ratio Lower Upper

41 100

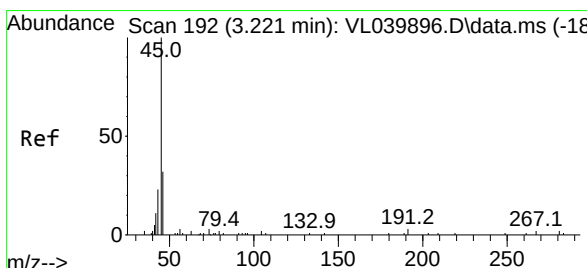
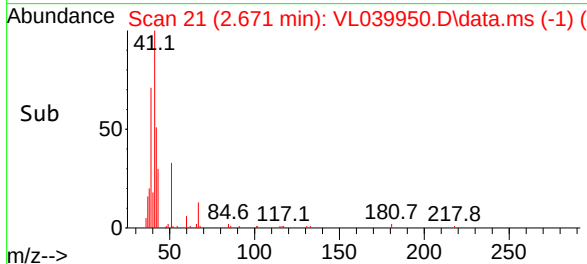
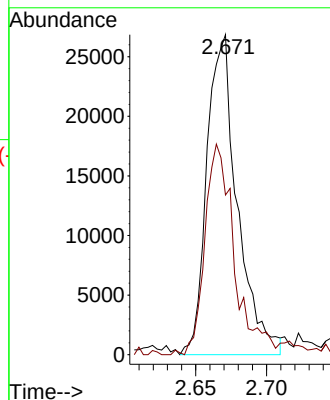
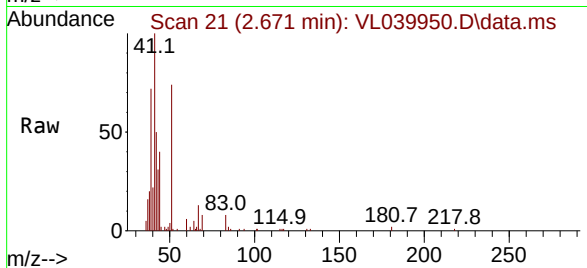
42 68.0 55.8 83.6

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Reviewed By :Semsettin Yesilyurt 12/02/2022

Supervised By :Mahesh Dadoda 12/05/2022



#13

Ethanol

Concen: 19.424 ppbv m

RT: 3.211 min Scan# 189

Delta R.T. -0.016 min

Lab File: VL039950.D

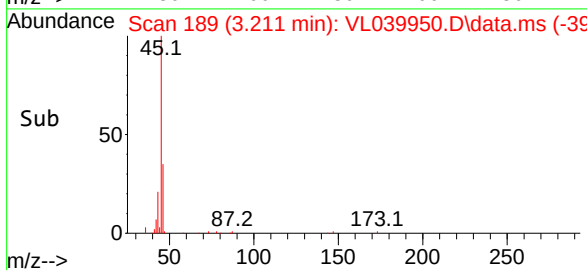
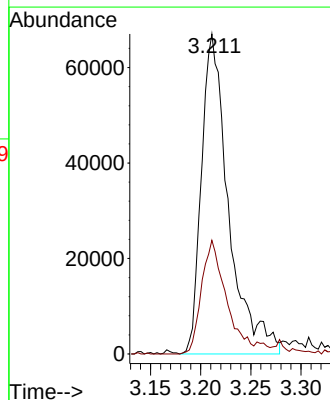
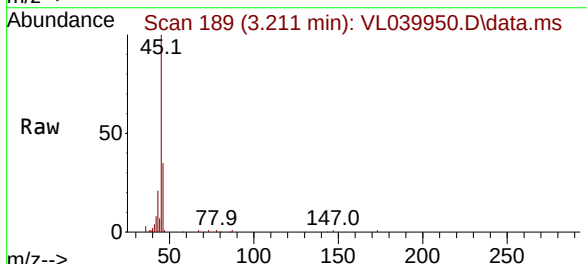
Acq: 1 Dec 2022 20:18

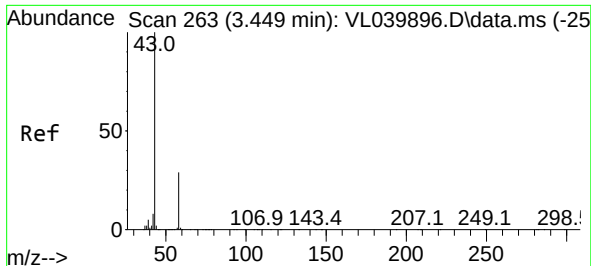
Tgt Ion: 45 Resp: 126258

Ion Ratio Lower Upper

45 100

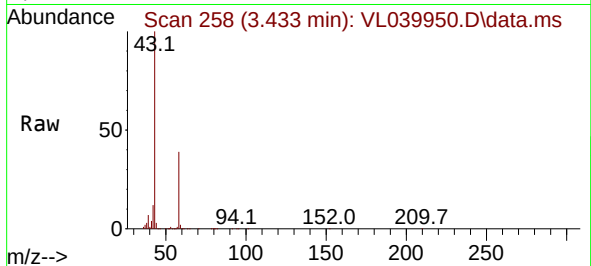
46 36.2 14.6 58.2





#15
Acetone
Concen: 52.673 ppbv
RT: 3.433 min Scan# 210
Delta R.T. -0.013 min
Lab File: VL039950.D
Acq: 1 Dec 2022 20:18

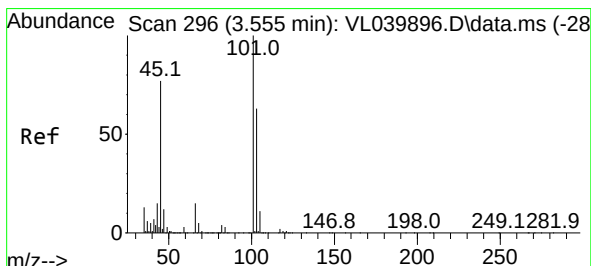
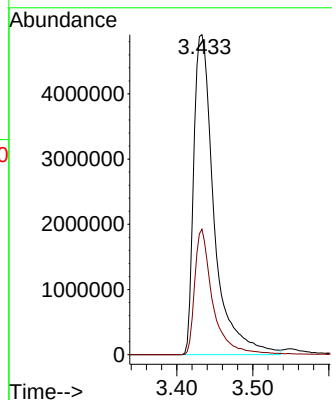
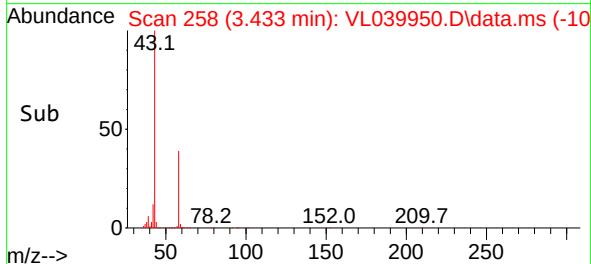
Instrument :
MSVOA_L
ClientSampleId :
OTC-SSDL



Tgt Ion: 43 Resp: 9150909
Ion Ratio Lower Upper
43 100
58 35.1 22.9 34.3

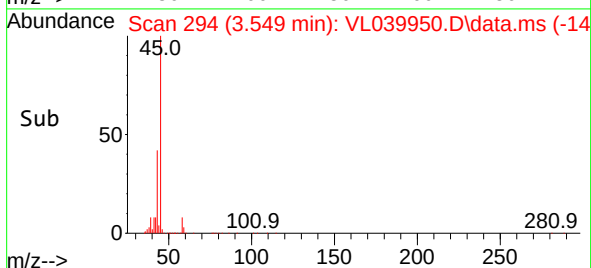
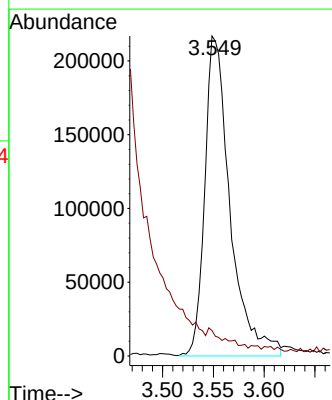
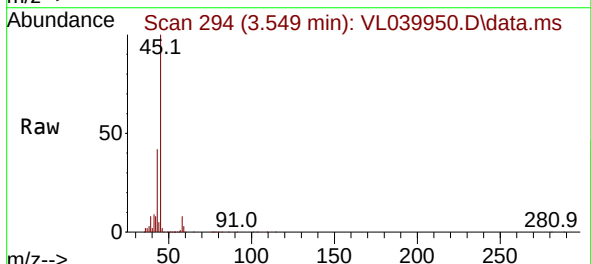
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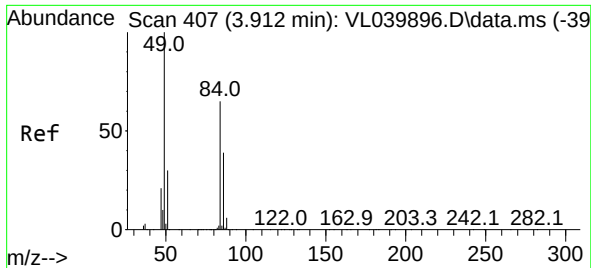
Reviewed By :Semsettin Yesilyurt 12/02/2022
Supervised By :Mahesh Dadoda 12/05/2022



#19
Isopropyl Alcohol
Concen: 3.988 ppbv m
RT: 3.549 min Scan# 294
Delta R.T. -0.006 min
Lab File: VL039950.D
Acq: 1 Dec 2022 20:18

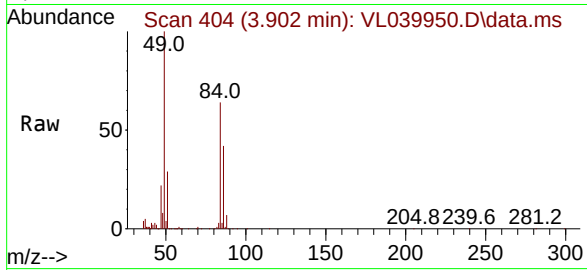
Tgt Ion: 45 Resp: 375156
Ion Ratio Lower Upper
45 100
58 0.0 38.7 58.1





#20
Methylene Chloride
Concen: 2.229 ppbv
RT: 3.902 min Scan# 407
Delta R.T. -0.010 min
Lab File: VL039950.D
Acq: 1 Dec 2022 20:18

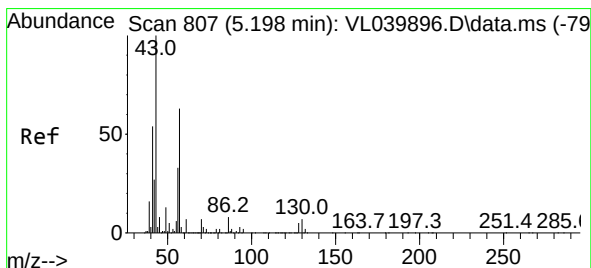
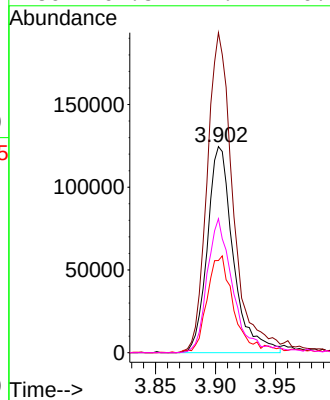
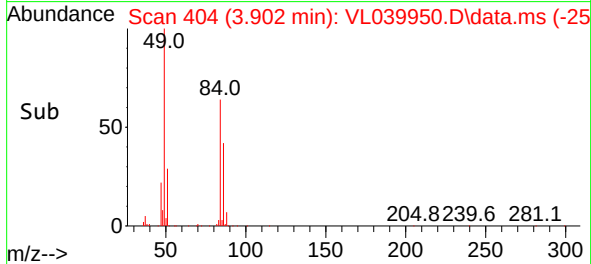
Instrument :
MSVOA_L
ClientSampleId :
OTC-SSDL



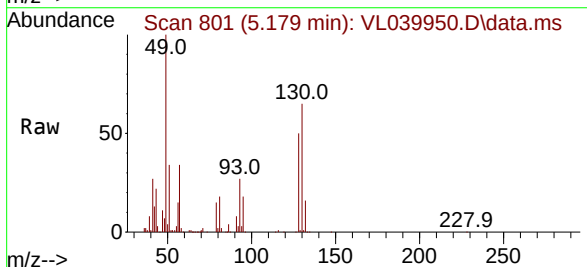
Tgt Ion: 84 Resp: 187597
Ion Ratio Lower Upper
84 100
49 154.9 122.2 183.4
51 44.6 36.3 54.5
86 64.8 47.2 70.8

Manual Integrations
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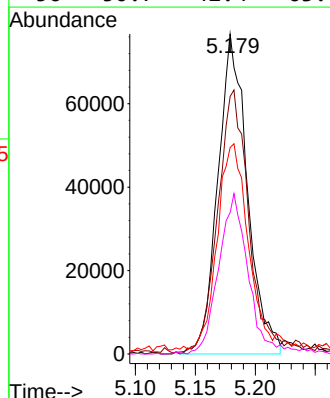
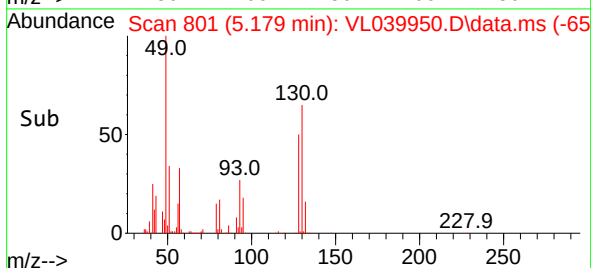
Reviewed By :Semsettin Yesilyurt 12/02/2022
Supervised By :Mahesh Dadoda 12/05/2022

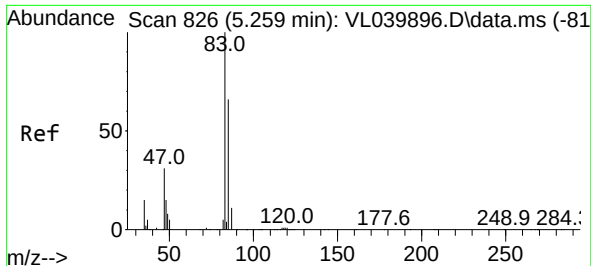


#26
Hexane
Concen: 0.941 ppbv
RT: 5.179 min Scan# 801
Delta R.T. -0.016 min
Lab File: VL039950.D
Acq: 1 Dec 2022 20:18



Tgt Ion: 57 Resp: 131144
Ion Ratio Lower Upper
57 100
41 87.3 72.3 108.5
43 73.9 188.7 283.1#
56 50.7 42.4 63.6





#29

Chloroform

Concen: 0.170 ppbv m

RT: 5.240 min Scan# 81

Delta R.T. -0.016 min

Lab File: VL039950.D

Acq: 1 Dec 2022 20:18

Instrument :

MSVOA_L

ClientSampleId :

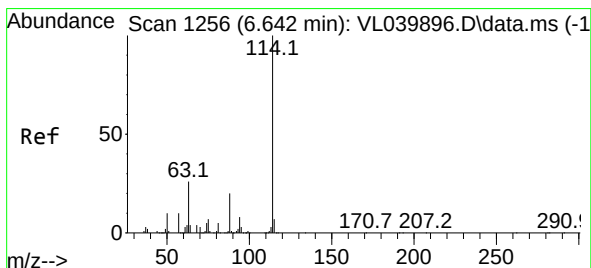
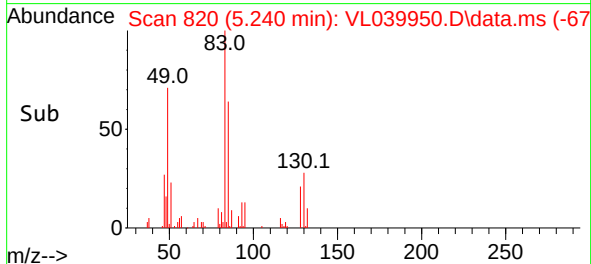
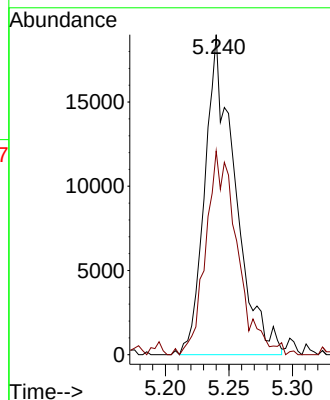
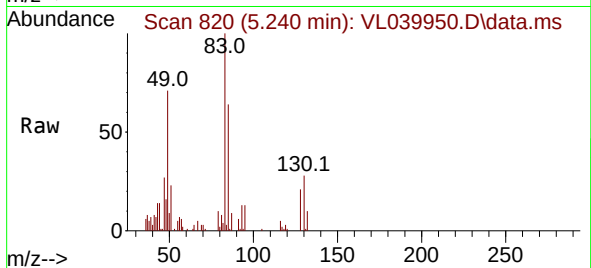
OTC-SSDL

Tgt Ion: 83 Resp: 3139
 Ion Ratio Lower Upper
 83 100
 85 63.6 52.4 78.6

Manual Integrations

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 Supervised By :Mahesh Dadoda 12/05/2022



#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

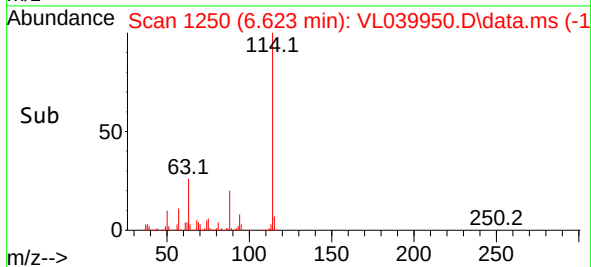
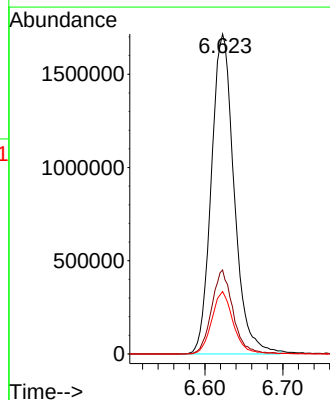
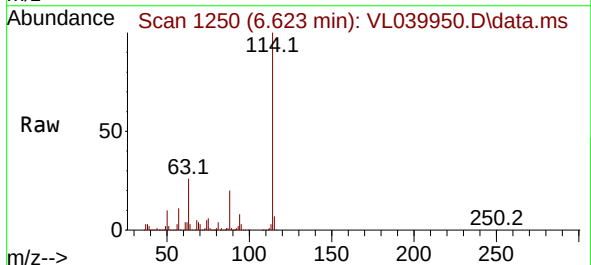
RT: 6.623 min Scan# 1250

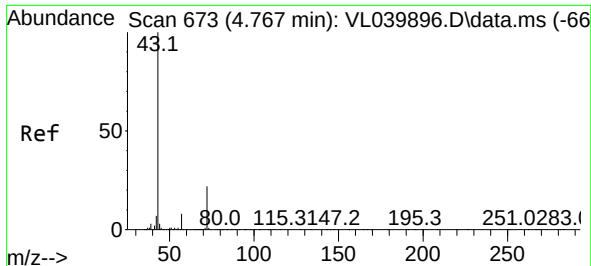
Delta R.T. -0.013 min

Lab File: VL039950.D

Acq: 1 Dec 2022 20:18

Tgt Ion:114 Resp: 3486626
 Ion Ratio Lower Upper
 114 100
 63 24.8 21.4 32.0
 88 18.5 15.3 22.9





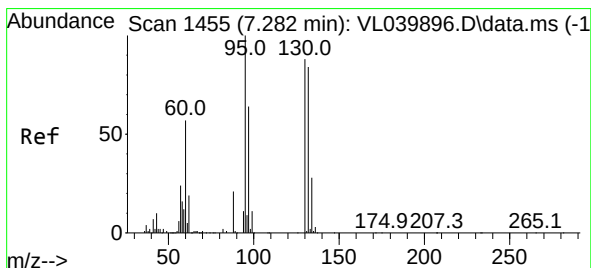
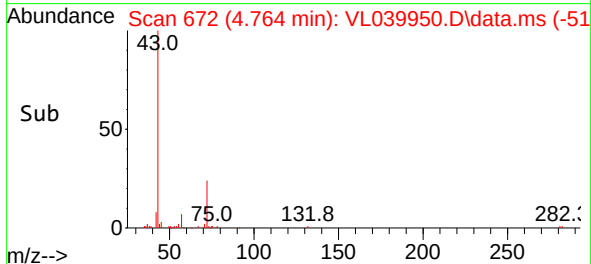
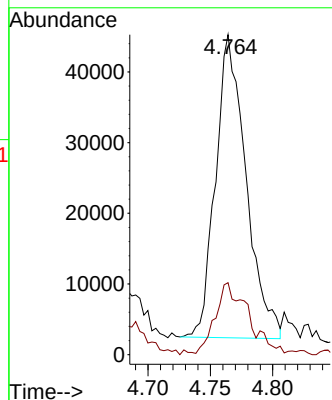
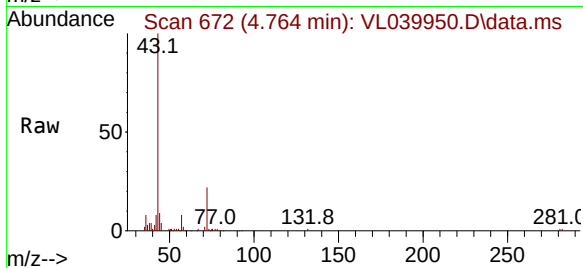
#34
2-Butanone
Concen: 0.436 ppbv
RT: 4.764 min Scan# 61
Delta R.T. -0.003 min
Lab File: VL039950.D
Acq: 1 Dec 2022 20:18

Instrument :
MSVOA_L
ClientSampleId :
OTC-SSDL

Tgt Ion: 43 Resp: 72820
Ion Ratio Lower Upper
43 100
72 27.4 17.4 26.2

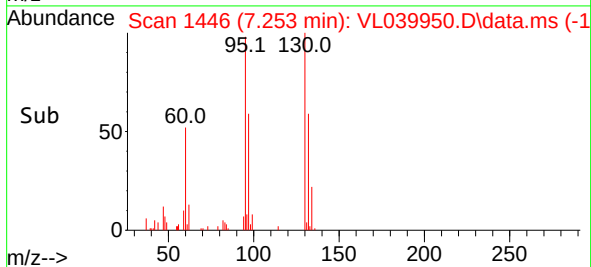
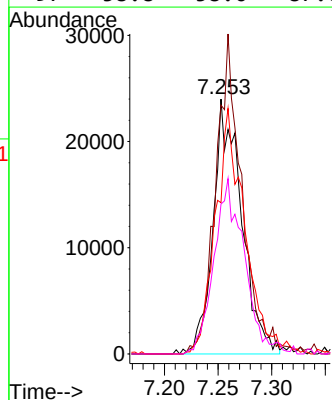
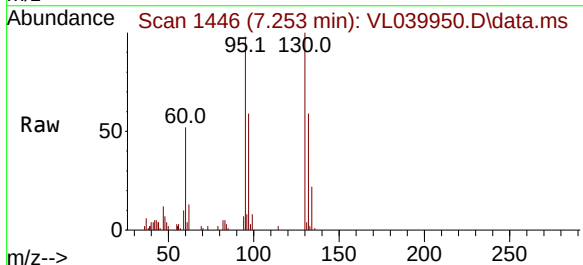
Manual Integrations
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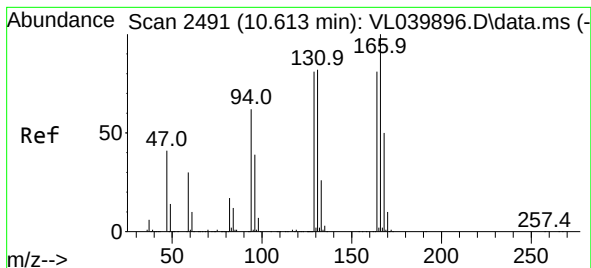
Reviewed By :Semsettin Yesilyurt 12/02/2022
Supervised By :Mahesh Dadoda 12/05/2022



#38
Trichloroethene
Concen: 0.267 ppbv m
RT: 7.253 min Scan# 1446
Delta R.T. -0.023 min
Lab File: VL039950.D
Acq: 1 Dec 2022 20:18

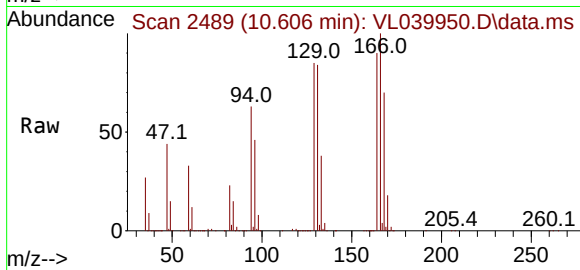
Tgt Ion:130 Resp: 44163
Ion Ratio Lower Upper
130 100
95 97.7 90.6 135.8
132 59.3 76.2 114.4#
97 58.8 58.0 87.0





#52
Tetrachloroethene
Concen: 136.649 ppbv
RT: 10.606 min Scan# 2491
Delta R.T. 0.003 min
Lab File: VL039950.D
Acq: 1 Dec 2022 20:18

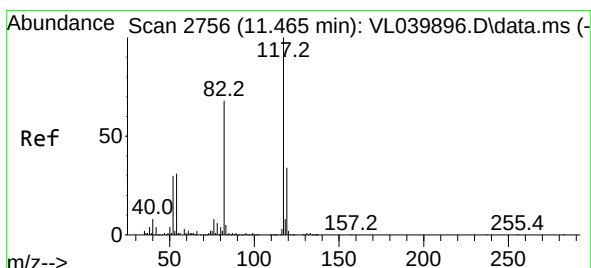
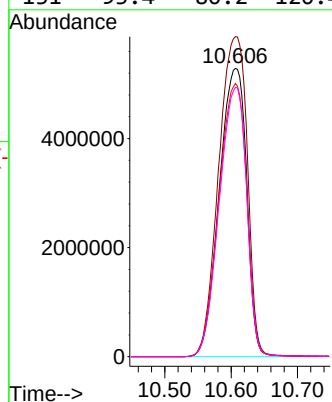
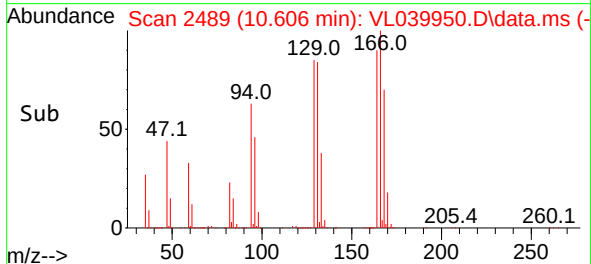
Instrument :
MSVOA_L
ClientSampleId :
OTC-SSDL



Tgt Ion:164 Resp:1514991
Ion Ratio Lower Upper
164 100
166 111.0 98.3 147.5
129 94.8 79.7 119.5
131 93.4 80.2 120.4

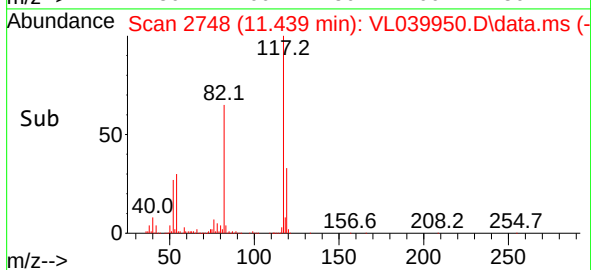
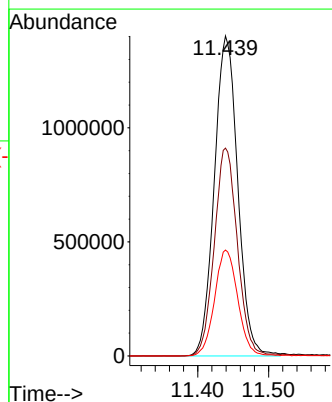
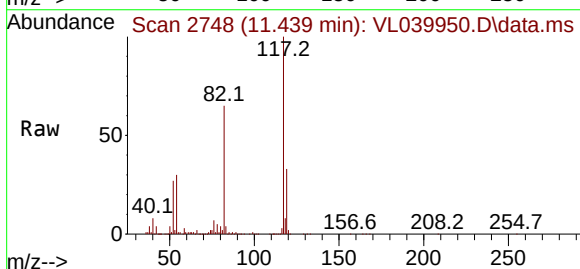
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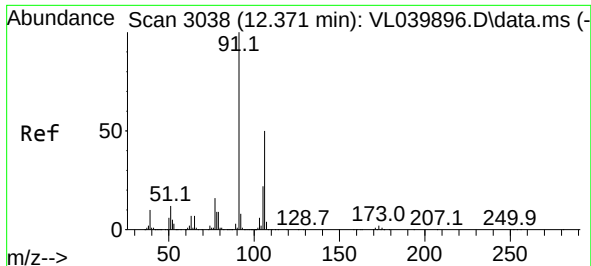
Reviewed By :Semsettin Yesilyurt 12/02/2022
Supervised By :Mahesh Dadoda 12/05/2022



#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.439 min Scan# 2748
Delta R.T. -0.013 min
Lab File: VL039950.D
Acq: 1 Dec 2022 20:18

Tgt Ion:117 Resp: 3223084
Ion Ratio Lower Upper
117 100
82 64.8 52.3 78.5
119 33.0 25.7 38.5





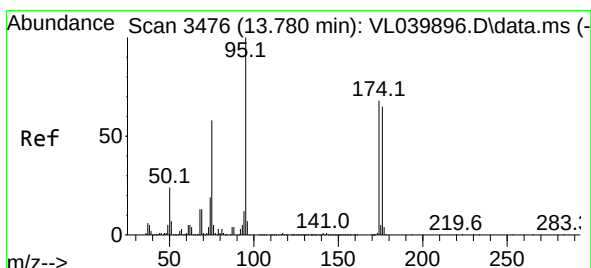
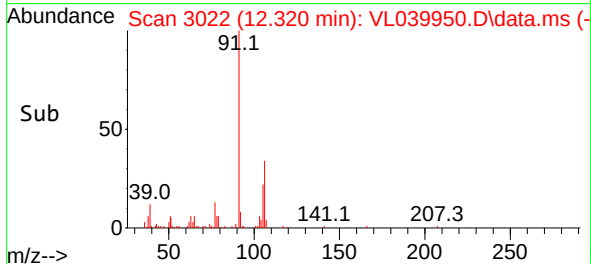
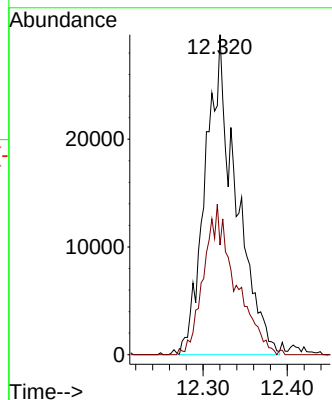
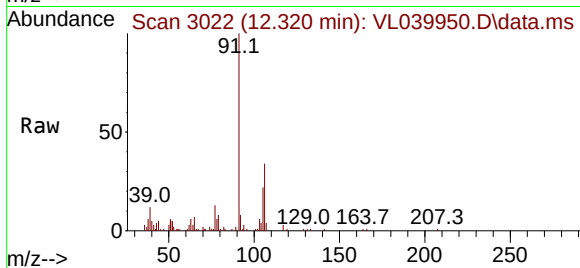
#59
m/p-Xylene
Concen: 0.206 ppbv m
RT: 12.320 min Scan# 3038
Delta R.T. -0.039 min
Lab File: VL039950.D
Acq: 1 Dec 2022 20:18

Instrument :
MSVOA_L
ClientSampleId :
OTC-SSDL

Tgt Ion: 91 Resp: 7529
Ion Ratio Lower Upper
91 100
106 0.0 37.0 55.6

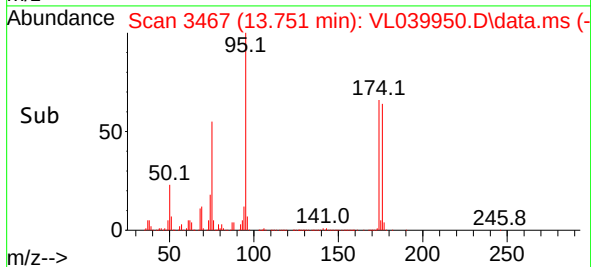
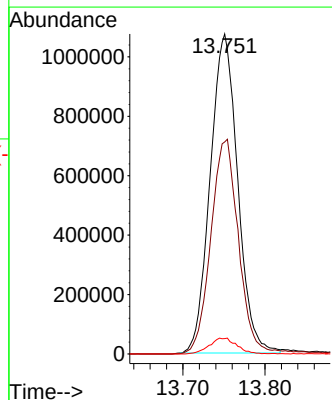
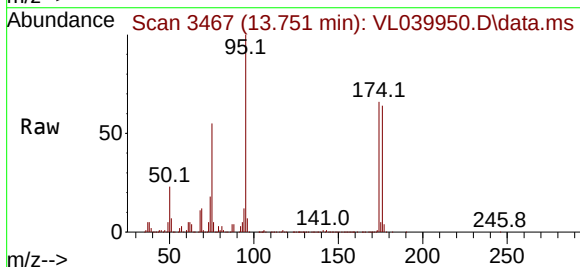
Manual Integrations
APPROVED

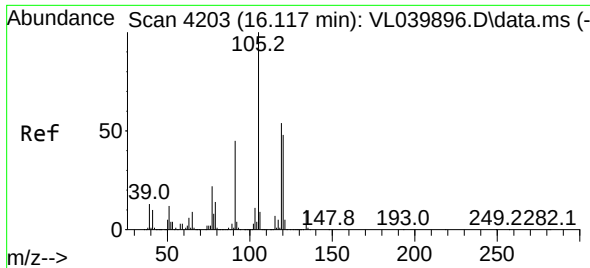
Reviewed By :Semsettin Yesilyurt 12/02/2022
Supervised By :Mahesh Dadoda 12/05/2022



#68
1-Bromo-4-Fluorobenzene
Concen: 10.173 ppbv
RT: 13.751 min Scan# 3467
Delta R.T. -0.013 min
Lab File: VL039950.D
Acq: 1 Dec 2022 20:18

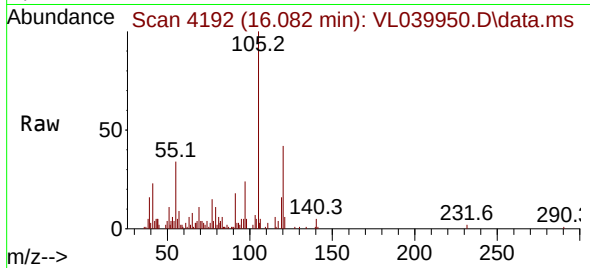
Tgt Ion: 95 Resp: 2504463
Ion Ratio Lower Upper
95 100
174 68.8 53.7 80.5
175 5.1 4.0 6.0





#74
1,2,4-Trimethylbenzene
Concen: 0.160 ppbv m
RT: 16.082 min Scan# 4192
Delta R.T. -0.016 min
Lab File: VL039950.D
Acq: 1 Dec 2022 20:18

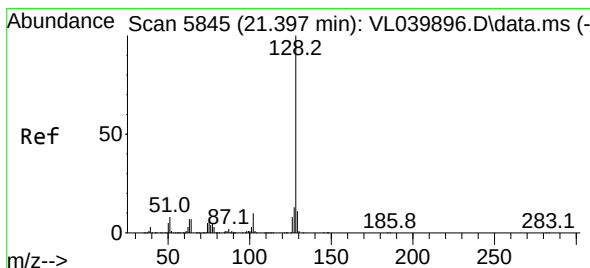
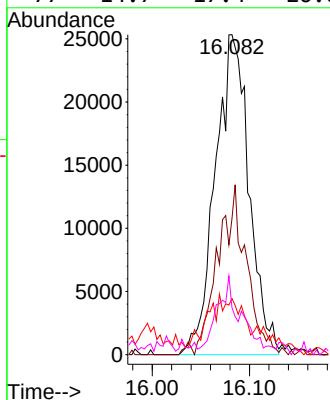
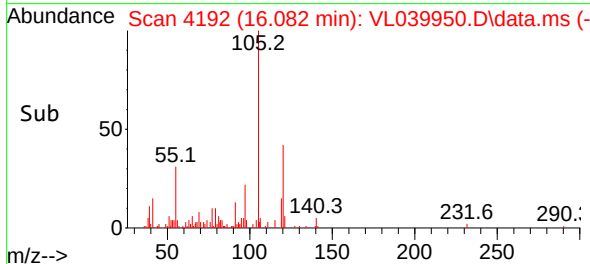
Instrument :
MSVOA_L
ClientSampleId :
OTC-SSDL



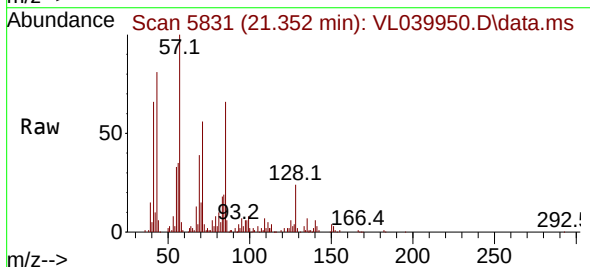
Tgt Ion:105 Resp: 60950
Ion Ratio Lower Upper
105 100
120 42.5 38.7 58.1
91 17.5 36.4 54.6
77 14.7 17.4 26.0#

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 12/02/2022
Supervised By :Mahesh Dadoda 12/05/2022



#79
Naphthalene
Concen: 0.184 ppbv m
RT: 21.352 min Scan# 5831
Delta R.T. -0.019 min
Lab File: VL039950.D
Acq: 1 Dec 2022 20:18



Tgt Ion:128 Resp: 41786
Ion Ratio Lower Upper
128 100
127 18.3 10.0 15.0#
129 9.3 8.8 13.2

