

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL071922\
 Data File : VL039485.D
 Acq On : 19 Jul 2022 16:45
 Operator : SY/AP
 Sample : N3750-01 2X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SV-1

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 07/20/2022
 Supervised By :Mahesh Dadoda 07/21/2022

Quant Time: Jul 20 05:40:37 2022

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL062922AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Jul 6

QLast Update : Wed Jul 06 02:15:38 2022

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.677	49	1231762	10.000	ppbv	0.03
33) 1,4-Difluorobenzene	7.189	114	3515403	10.000	ppbv	0.03
55) Chlorobenzene-d5	12.098	117	3213846	10.000	ppbv	0.03
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.429	95	2414778	10.128	ppbv	0.04
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.300%
Target Compounds						Qvalue
9) Propene	3.022	41	540072	7.652	ppbv	89
10) Heptane	8.131	43	36995m	0.224	ppbv	
13) Ethanol	3.607	45	40243m	9.829	ppbv	
15) Acetone	3.851	43	4174583	28.647	ppbv	95
17) tert-Butyl alcohol	4.298	59	80991m	0.655	ppbv	
20) Methylene Chloride	4.353	84	243399	4.190	ppbv	96
26) Hexane	5.700	57	802045	6.659	ppbv #	38
27) Carbon Disulfide	4.552	76	32325m	0.222	ppbv	
29) Chloroform	5.764	83	2062846	9.849	ppbv	99
31) cis-1,2-Dichloroethene	5.558	61	21871m	0.171	ppbv	
34) 2-Butanone	5.256	43	259631	1.467	ppbv	93
35) Carbon Tetrachloride	7.034	117	7074m	0.033	ppbv	
36) Benzene	6.906	78	68125m	0.250	ppbv	
38) Trichloroethene	7.845	130	5044m	0.034	ppbv	
50) 4-Methyl-2-Pentanone	8.771	43	43350m	0.162	ppbv	
51) 2-Hexanone	10.150	43	61193m	0.302	ppbv	
52) Tetrachloroethene	11.240	164	16785m	0.153	ppbv	
53) Toluene	9.819	91	80475m	0.256	ppbv	
59) m/p-Xylene	12.983	91	57623m	0.158	ppbv	
74) 1,2,4-Trimethylbenzene	16.777	105	84949m	0.205	ppbv	

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

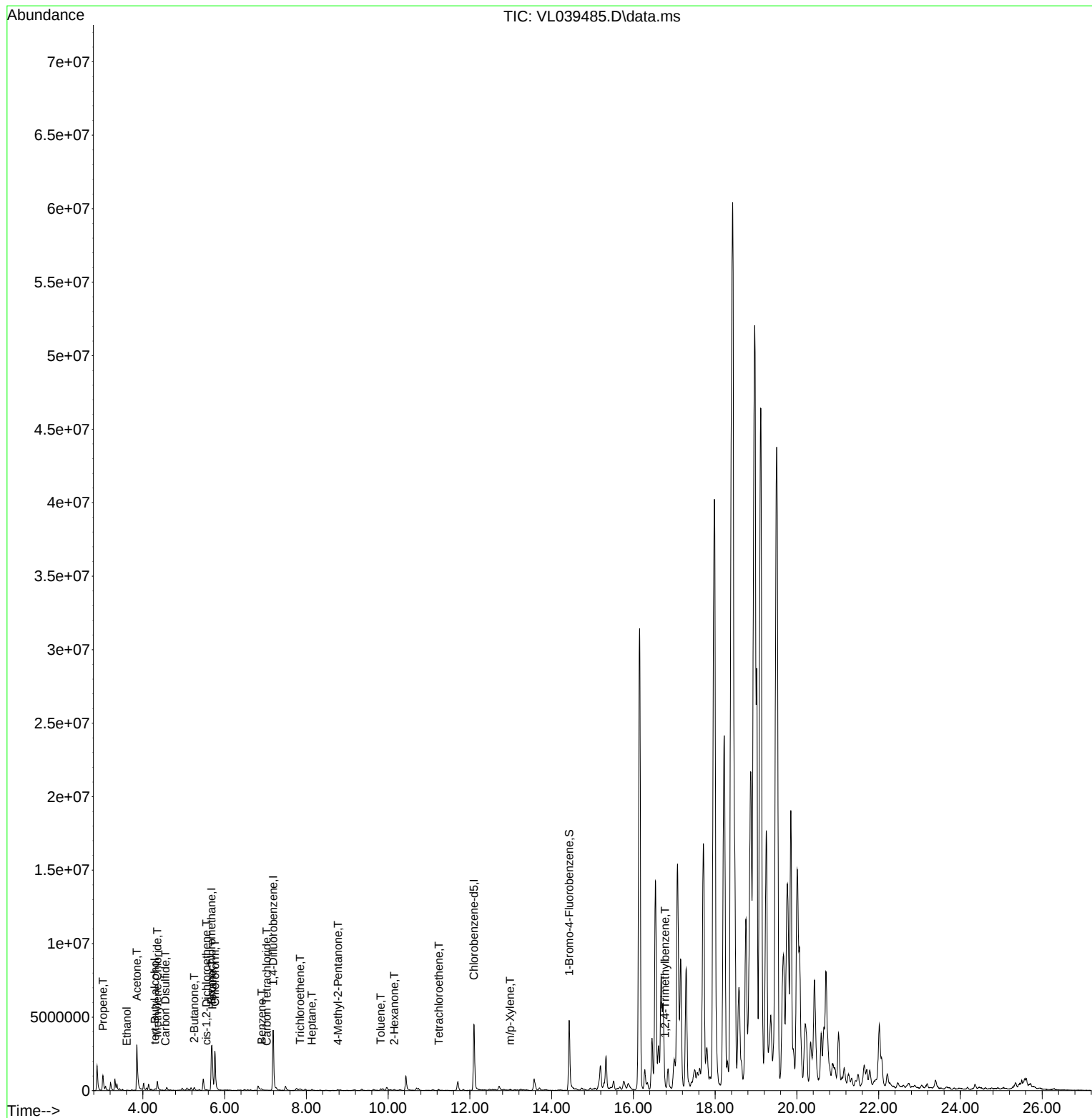
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL071922\
Data File : VL039485.D
Acq On : 19 Jul 2022 16:45
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Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

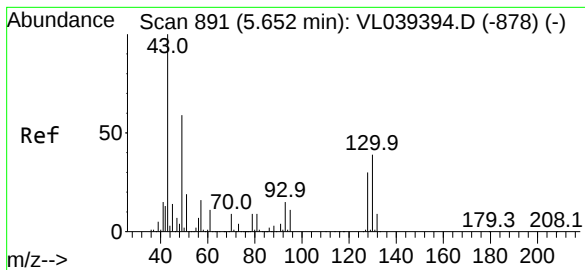
Instrument :
MSVOA_L
ClientSampleId :
SV-1

Quant Time: Jul 20 05:40:37 2022
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL062922AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Jul
QLast Update : Wed Jul 06 02:15:38 2022
Response via : Initial Calibration

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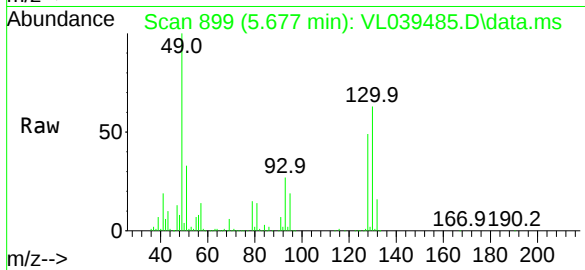
Reviewed By :Semsettin Yesilyurt 07/20/2022
Supervised By :Mahesh Dadoda 07/21/2022





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.677 min Scan# 891
Delta R.T. 0.026 min
Lab File: VL039485.D
Acq: 19 Jul 2022 16:45

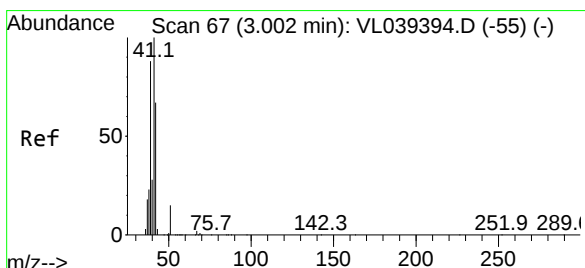
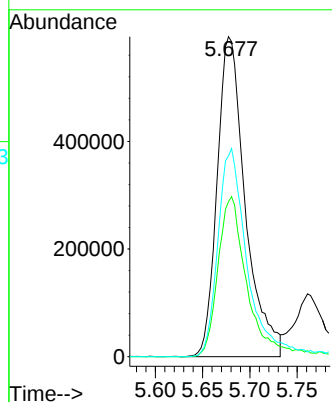
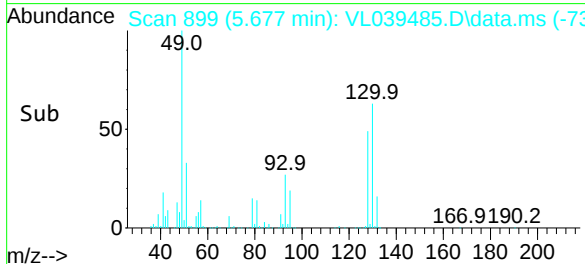
Instrument :
MSVOA_L
ClientSampleId :
SV-1



Tgt Ion: 49 Resp: 1231762
Ion Ratio Lower Upper
49 100
128 53.4 26.7 80.0
130 70.0 34.3 102.8

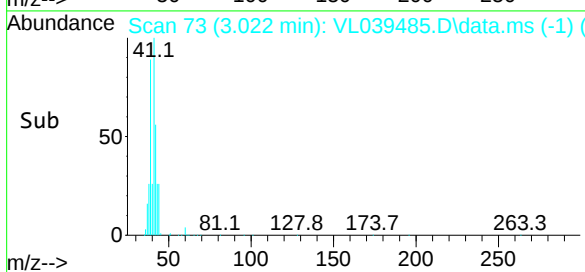
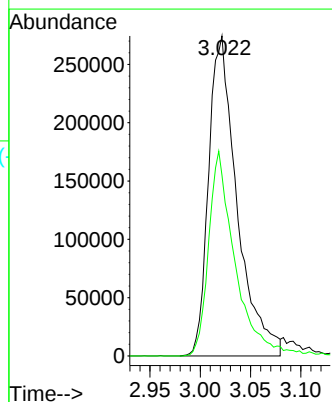
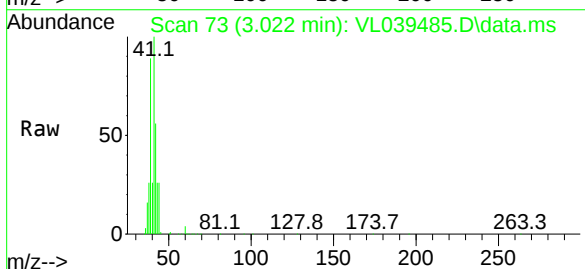
Manual Integrations
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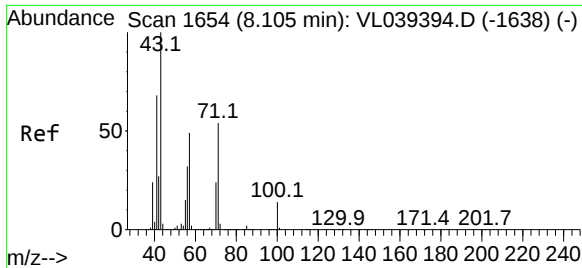
Reviewed By :Semsettin Yesilyurt 07/20/2022
Supervised By :Mahesh Dadoda 07/21/2022



#9
Propene
Concen: 7.652 ppbv
RT: 3.022 min Scan# 73
Delta R.T. 0.019 min
Lab File: VL039485.D
Acq: 19 Jul 2022 16:45

Tgt Ion: 41 Resp: 540072
Ion Ratio Lower Upper
41 100
42 60.0 55.2 82.8





#10

Heptane

Concen: 0.224 ppbv m

RT: 8.131 min Scan# 1

Delta R.T. 0.026 min

Lab File: VL039485.D

Acq: 19 Jul 2022 16:45

Instrument :

MSVOA_L

ClientSampleId :

SV-1

Tgt Ion: 43 Resp: 3699

Ion Ratio Lower Upper

43 100

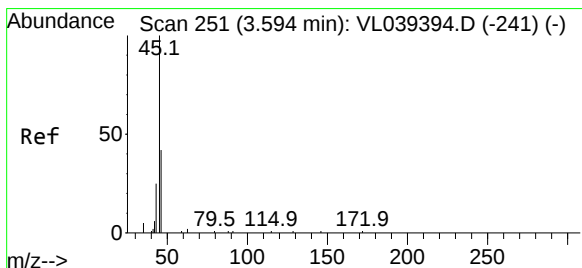
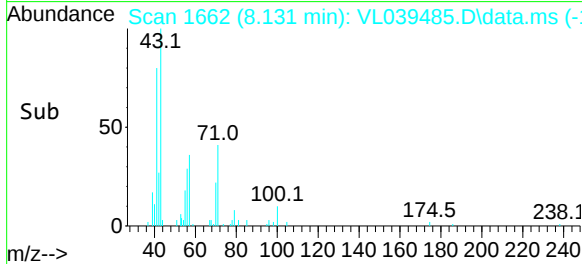
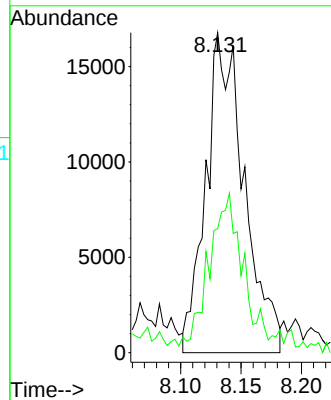
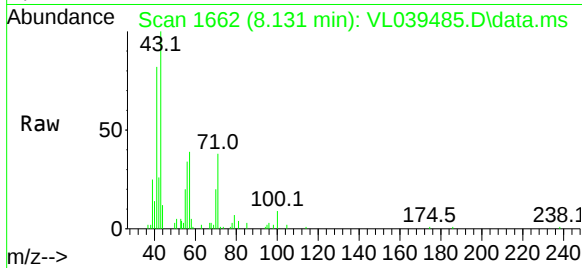
57 50.1 40.5 60.7

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 07/20/2022

Supervised By :Mahesh Dadoda 07/21/2022



#13

Ethanol

Concen: 9.829 ppbv m

RT: 3.607 min Scan# 255

Delta R.T. 0.013 min

Lab File: VL039485.D

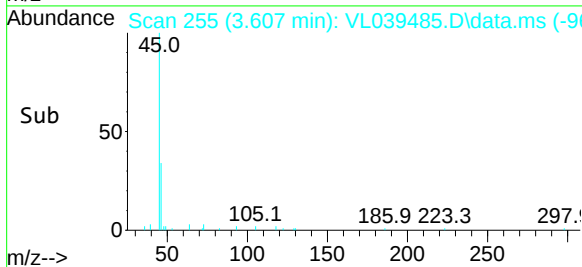
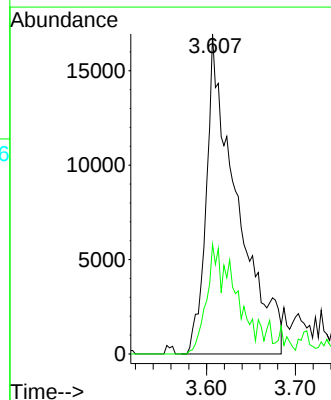
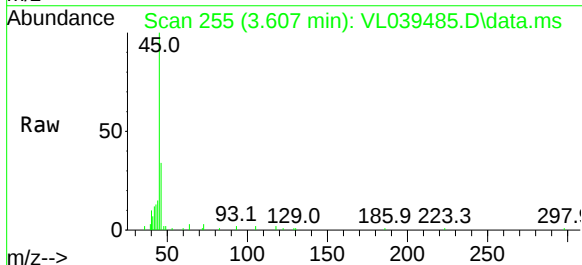
Acq: 19 Jul 2022 16:45

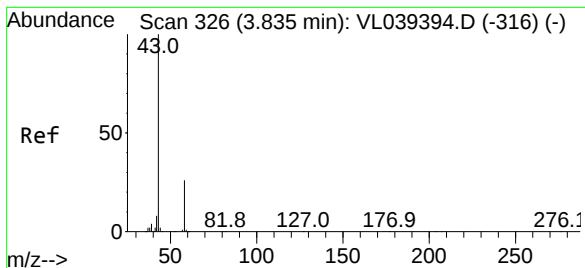
Tgt Ion: 45 Resp: 40243

Ion Ratio Lower Upper

45 100

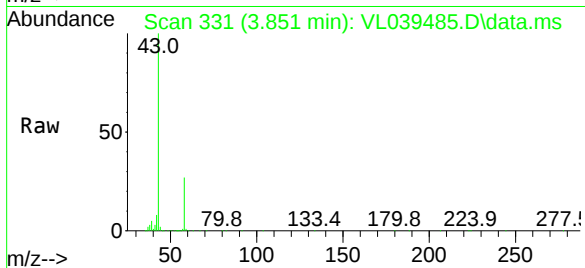
46 37.8 22.8 91.2





#15
Acetone
Concen: 28.647 ppbv
RT: 3.851 min Scan# 31
Delta R.T. 0.016 min
Lab File: VL039485.D
Acq: 19 Jul 2022 16:45

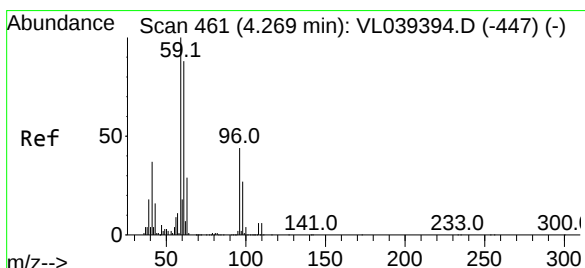
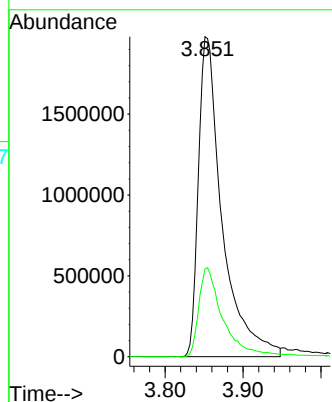
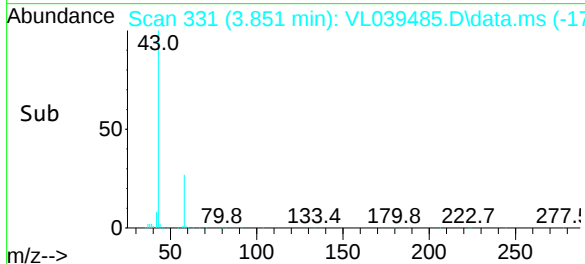
Instrument :
MSVOA_L
ClientSampleId :
SV-1



Tgt Ion: 43 Resp: 417458
Ion Ratio Lower Upper
43 100
58 29.1 21.0 31.6

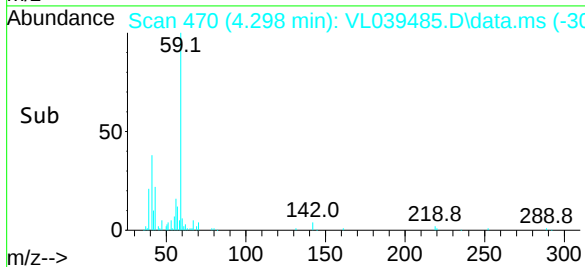
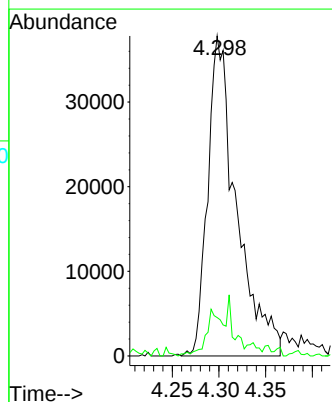
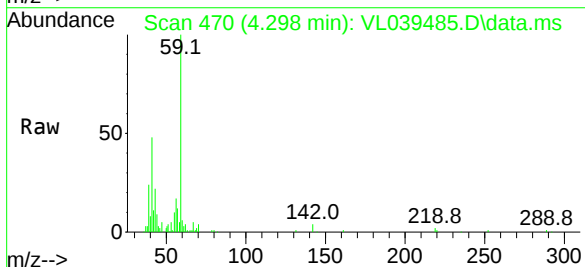
Manual Integrations
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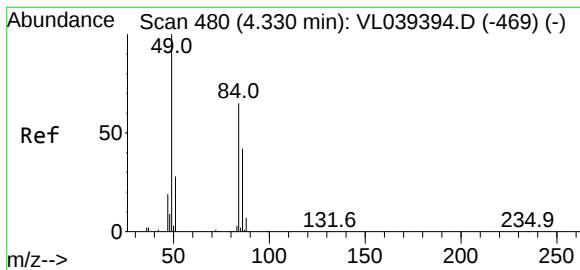
Reviewed By :Semsettin Yesilyurt 07/20/2022
Supervised By :Mahesh Dadoda 07/21/2022



#17
tert-Butyl alcohol
Concen: 0.655 ppbv m
RT: 4.298 min Scan# 470
Delta R.T. 0.029 min
Lab File: VL039485.D
Acq: 19 Jul 2022 16:45

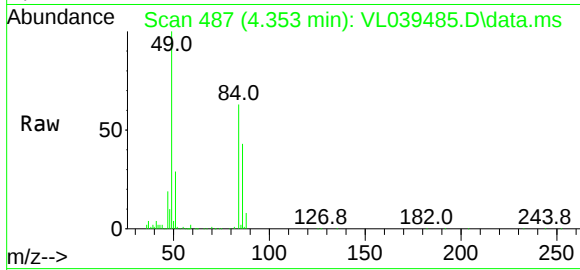
Tgt Ion: 59 Resp: 80991
Ion Ratio Lower Upper
59 100
57 0.0 8.7 13.1#





#20
Methylene Chloride
Concen: 4.190 ppbv
RT: 4.353 min Scan# 41
Delta R.T. 0.022 min
Lab File: VL039485.D
Acq: 19 Jul 2022 16:45

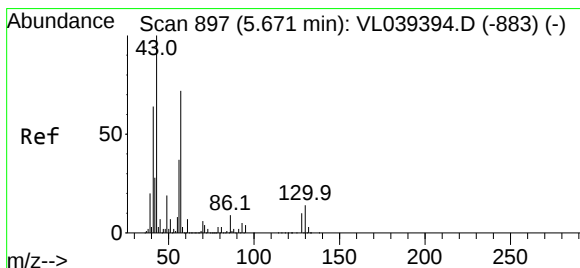
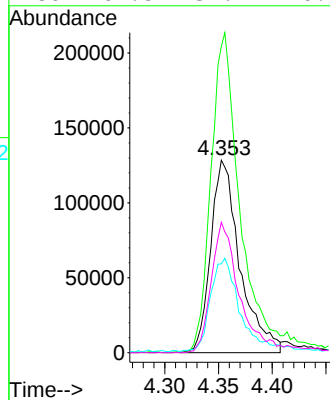
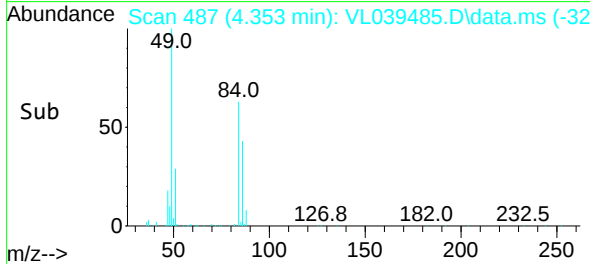
Instrument :
MSVOA_L
ClientSampleId :
SV-1



Tgt Ion: 84 Resp: 243399
Ion Ratio Lower Upper
84 100
49 158.8 123.1 184.7
51 45.1 34.4 51.6
86 67.8 51.1 76.7

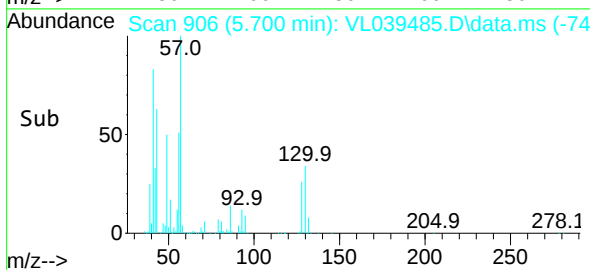
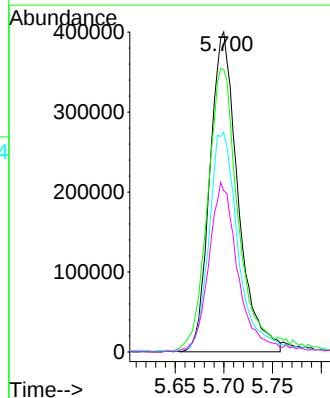
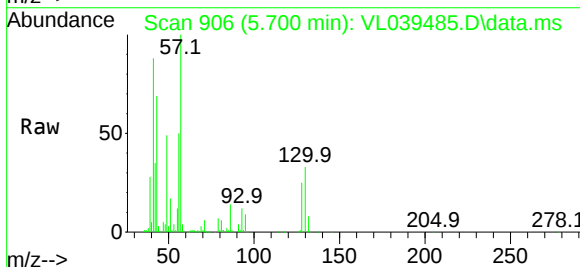
Manual Integrations
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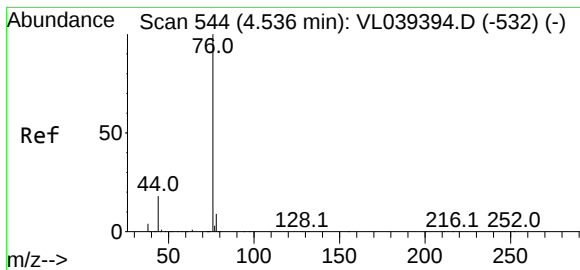
Reviewed By :Semsettin Yesilyurt 07/20/2022
Supervised By :Mahesh Dadoda 07/21/2022



#26
Hexane
Concen: 6.659 ppbv
RT: 5.700 min Scan# 906
Delta R.T. 0.029 min
Lab File: VL039485.D
Acq: 19 Jul 2022 16:45

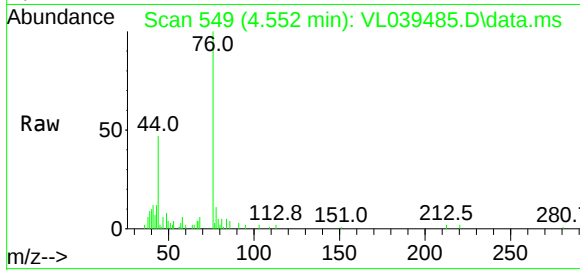
Tgt Ion: 57 Resp: 802045
Ion Ratio Lower Upper
57 100
41 100.2 76.9 115.3
43 72.7 191.0 286.6#
56 56.1 43.2 64.8





#27
Carbon Disulfide
Concen: 0.222 ppbv m
RT: 4.552 min Scan# 544
Delta R.T. 0.016 min
Lab File: VL039485.D
Acq: 19 Jul 2022 16:45

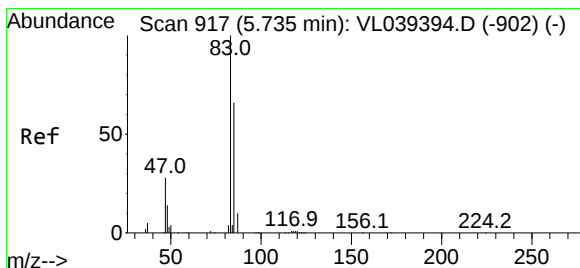
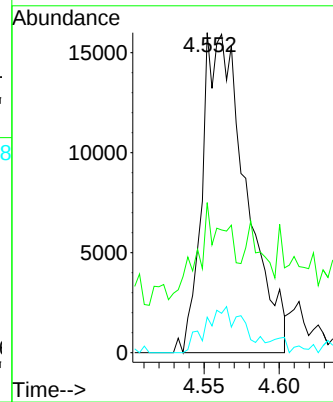
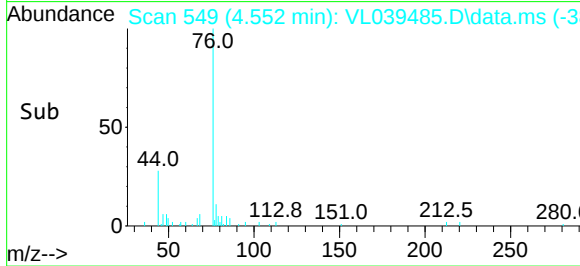
Instrument : MSVOA_L
ClientSampleId : SV-1



Tgt Ion: 76 Resp: 3232
Ion Ratio Lower Upper
76 100
44 33.9 14.6 21.8
78 0.0 7.8 11.6

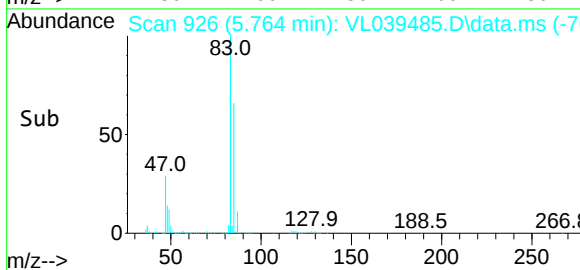
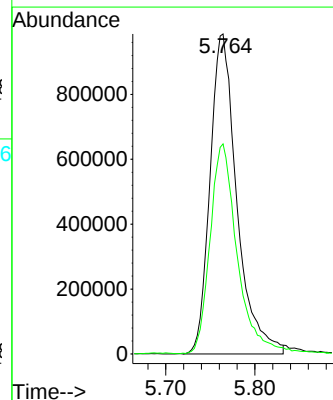
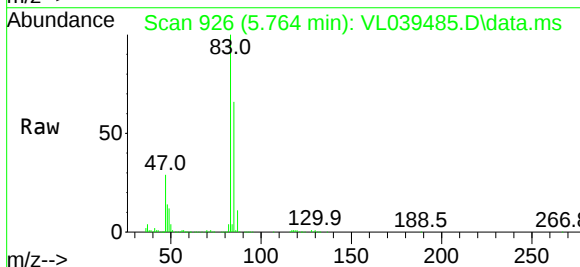
Manual Integrations
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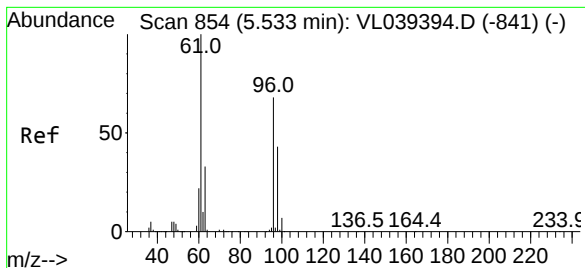
Reviewed By :Semsettin Yesilyurt 07/20/2022
Supervised By :Mahesh Dadoda 07/21/2022



#29
Chloroform
Concen: 9.849 ppbv
RT: 5.764 min Scan# 926
Delta R.T. 0.029 min
Lab File: VL039485.D
Acq: 19 Jul 2022 16:45

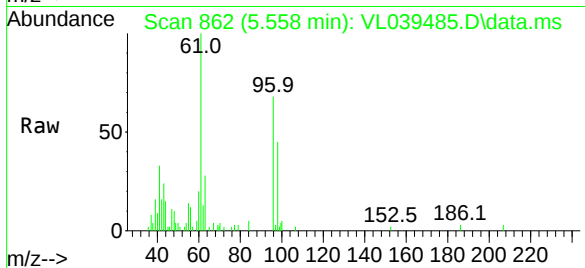
Tgt Ion: 83 Resp: 2062846
Ion Ratio Lower Upper
83 100
85 65.4 52.8 79.2





#31
cis-1,2-Dichloroethene
Concen: 0.171 ppbv m
RT: 5.558 min Scan# 80
Delta R.T. 0.026 min
Lab File: VL039485.D
Acq: 19 Jul 2022 16:45

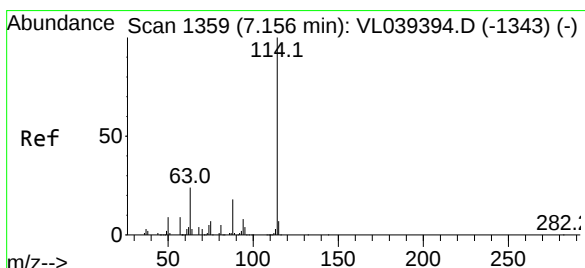
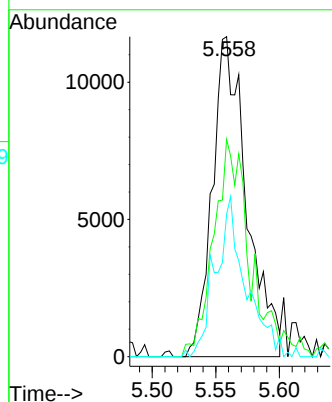
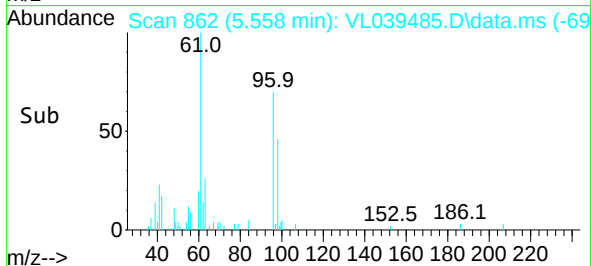
Instrument :
MSVOA_L
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SV-1



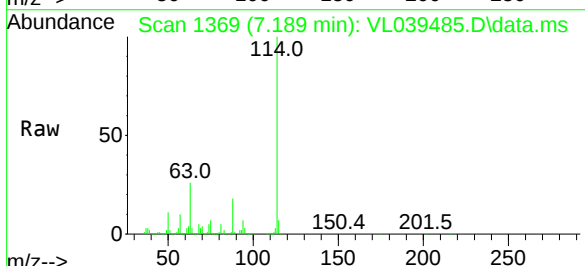
Tgt Ion: 61 Resp: 2187
Ion Ratio Lower Upper
61 100
96 68.0 54.1 81.1
98 44.5 34.6 52.0

Manual Integrations
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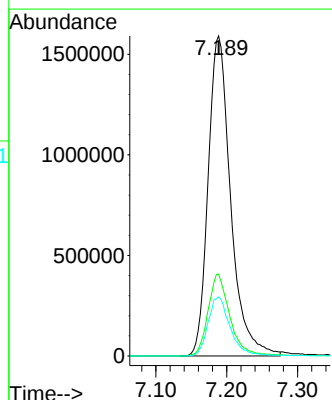
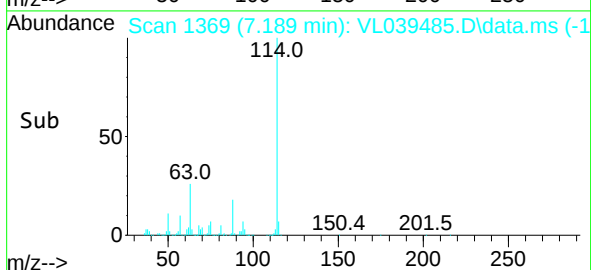
Reviewed By :Semsettin Yesilyurt 07/20/2022
Supervised By :Mahesh Dadoda 07/21/2022

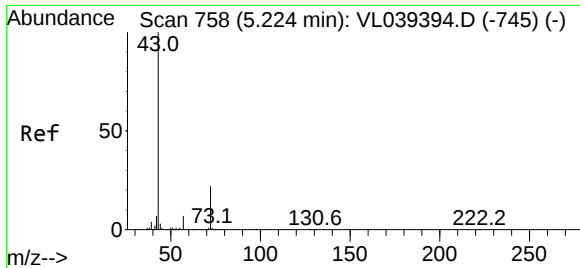


#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.189 min Scan# 1369
Delta R.T. 0.032 min
Lab File: VL039485.D
Acq: 19 Jul 2022 16:45



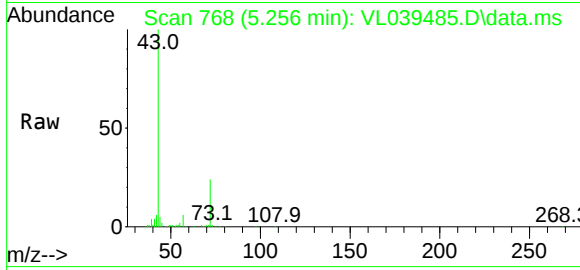
Tgt Ion:114 Resp: 3515403
Ion Ratio Lower Upper
114 100
63 25.1 20.2 30.4
88 18.3 14.5 21.7





#34
2-Butanone
Concen: 1.467 ppbv
RT: 5.256 min Scan# 70
Delta R.T. 0.032 min
Lab File: VL039485.D
Acq: 19 Jul 2022 16:45

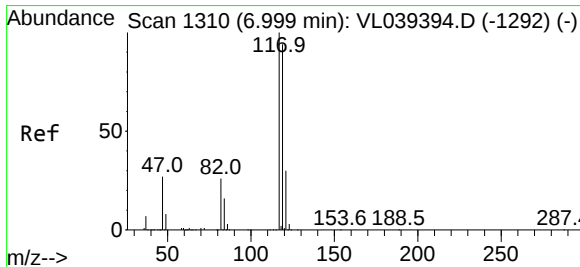
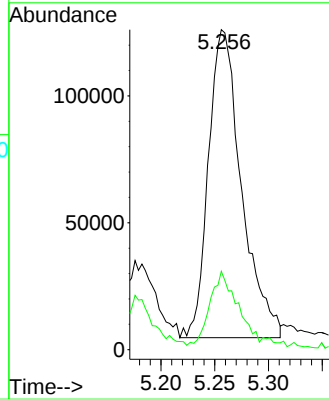
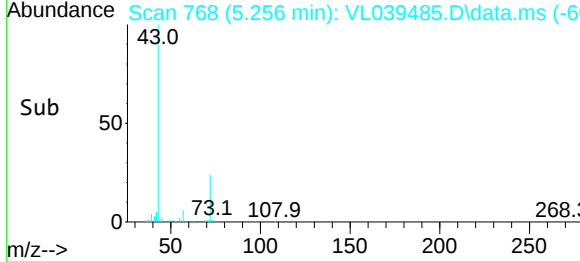
Instrument :
MSVOA_L
ClientSampleId :
SV-1



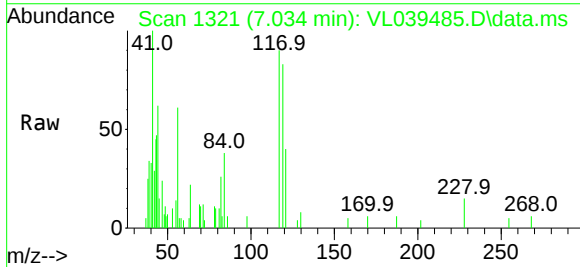
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Ion Ratio Lower Upper
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72 25.6 17.9 26.9

Manual Integrations
APPROVED

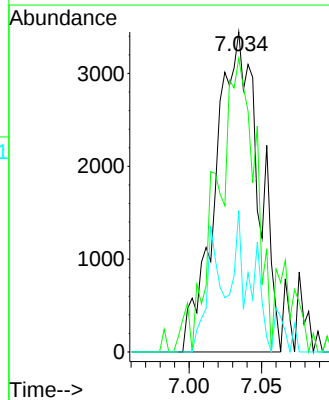
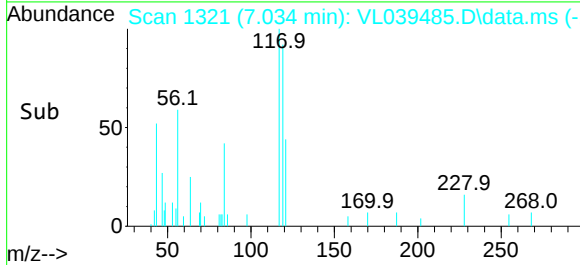
Reviewed By :Semsettin Yesilyurt 07/20/2022
Supervised By :Mahesh Dadoda 07/21/2022

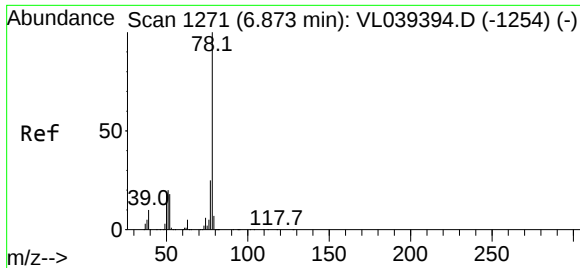


#35
Carbon Tetrachloride
Concen: 0.033 ppbv m
RT: 7.034 min Scan# 1321
Delta R.T. 0.035 min
Lab File: VL039485.D
Acq: 19 Jul 2022 16:45



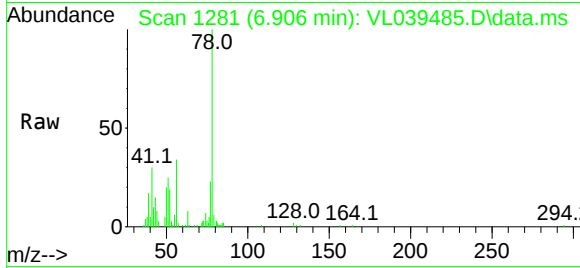
Tgt Ion:117 Resp: 7074
Ion Ratio Lower Upper
117 100
119 91.7 75.4 113.2
121 44.2 24.2 36.2#





#36
Benzene
Concen: 0.250 ppbv m
RT: 6.906 min Scan# 11
Delta R.T. 0.032 min
Lab File: VL039485.D
Acq: 19 Jul 2022 16:45

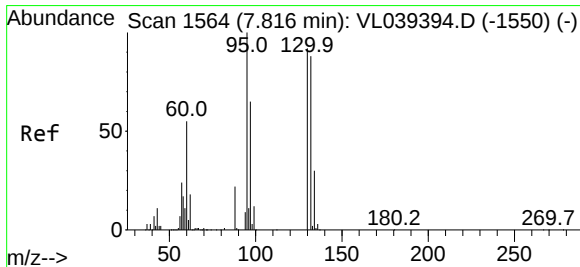
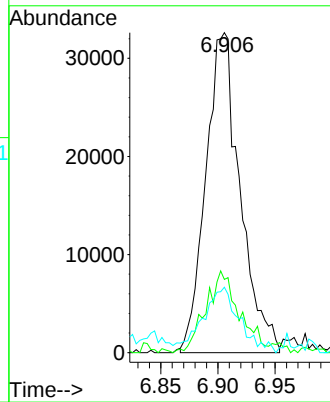
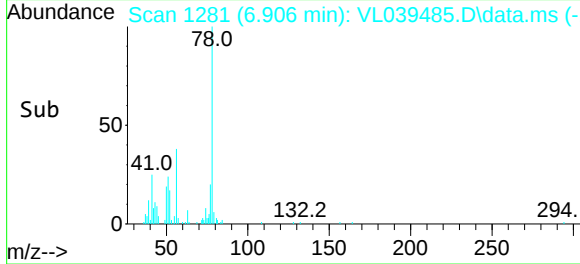
Instrument :
MSVOA_L
ClientSampleId :
SV-1



Tgt Ion: 78 Resp: 6812
Ion Ratio Lower Upper
78 100
77 22.9 20.3 30.5
50 20.4 15.5 23.3

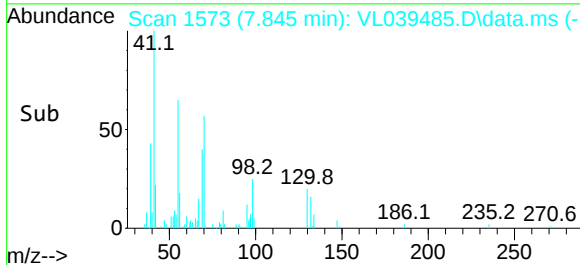
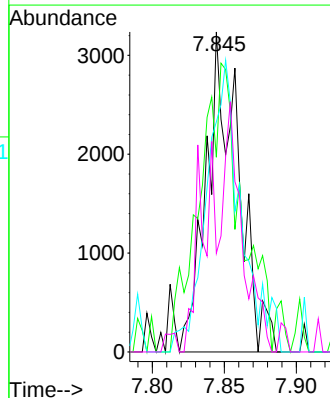
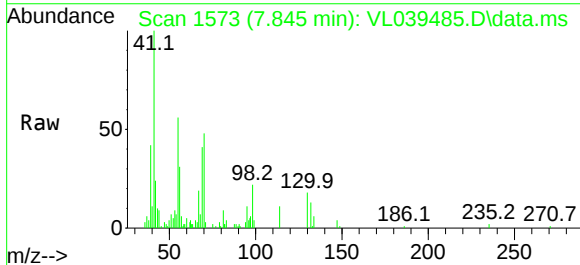
Manual Integrations
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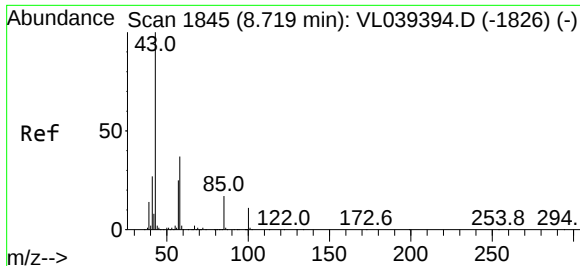
Reviewed By :Semsettin Yesilyurt 07/20/2022
Supervised By :Mahesh Dadoda 07/21/2022



#38
Trichloroethene
Concen: 0.034 ppbv m
RT: 7.845 min Scan# 1573
Delta R.T. 0.029 min
Lab File: VL039485.D
Acq: 19 Jul 2022 16:45

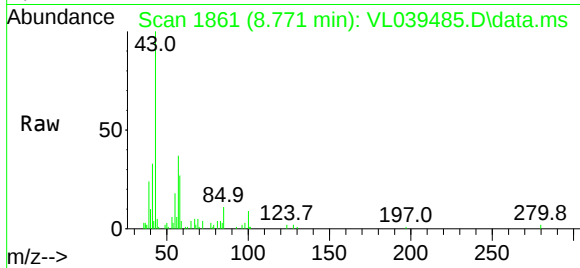
Tgt Ion:130 Resp: 5044
Ion Ratio Lower Upper
130 100
95 60.8 87.3 130.9#
132 71.9 76.7 115.1#
97 30.9 56.5 84.7#





#50
4-Methyl-2-Pentanone
Concen: 0.162 ppbv m
RT: 8.771 min Scan# 11
Delta R.T. 0.051 min
Lab File: VL039485.D
Acq: 19 Jul 2022 16:45

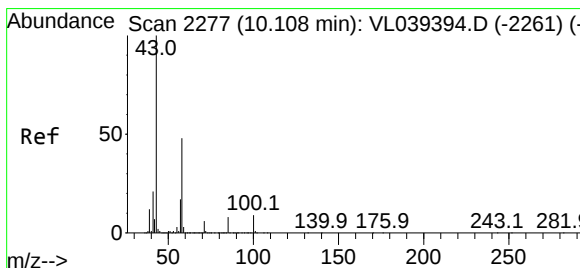
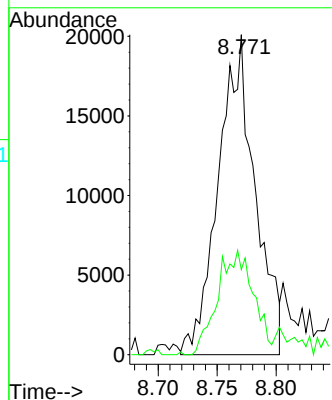
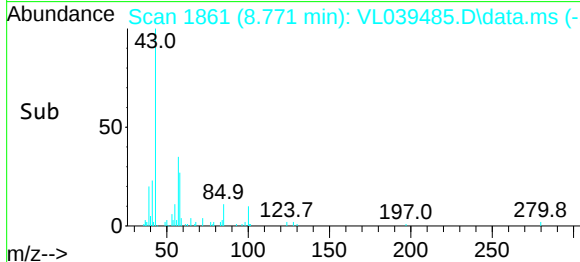
Instrument :
MSVOA_L
ClientSampleId :
SV-1



Tgt Ion: 43 Resp: 43350
Ion Ratio Lower Upper
43 100
58 0.0 28.8 43.2

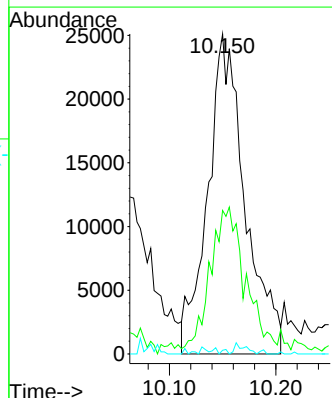
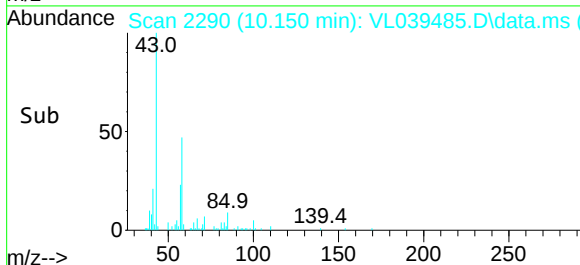
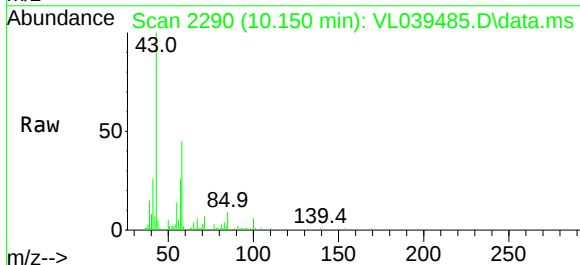
Manual Integrations
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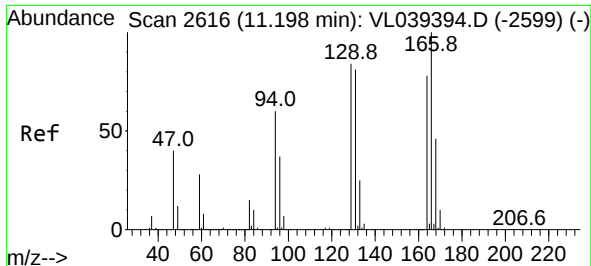
Reviewed By :Semsettin Yesilyurt 07/20/2022
Supervised By :Mahesh Dadoda 07/21/2022



#51
2-Hexanone
Concen: 0.302 ppbv m
RT: 10.150 min Scan# 2290
Delta R.T. 0.042 min
Lab File: VL039485.D
Acq: 19 Jul 2022 16:45

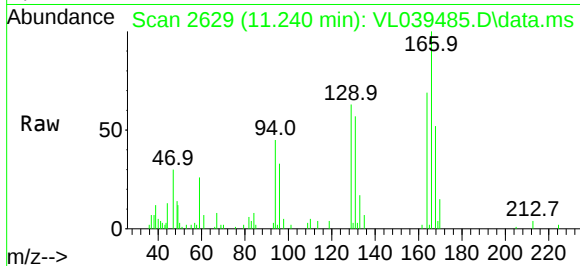
Tgt Ion: 43 Resp: 61193
Ion Ratio Lower Upper
43 100
58 43.4 38.4 57.6
98 2.1 0.3 0.5





#52
Tetrachloroethene
Concen: 0.153 ppbv m
RT: 11.240 min Scan# 2168
Delta R.T. 0.042 min
Lab File: VL039485.D
Acq: 19 Jul 2022 16:45

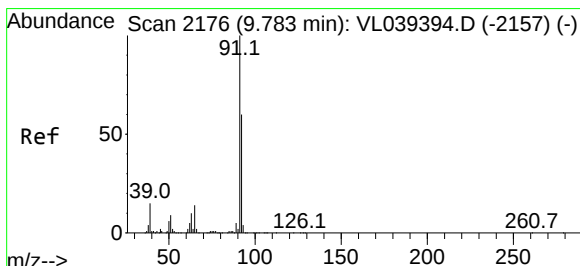
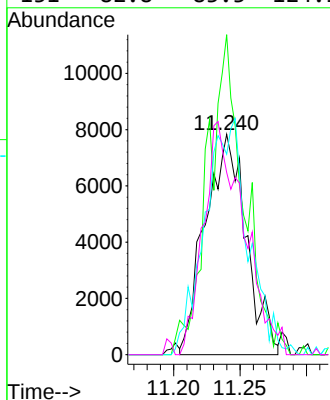
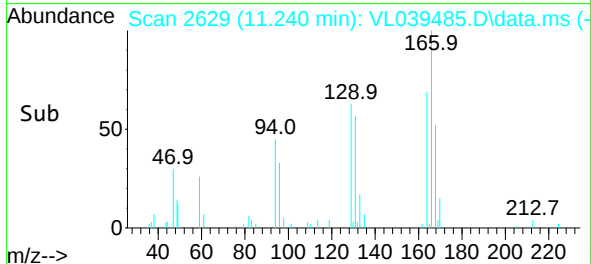
Instrument :
MSVOA_L
ClientSampleId :
SV-1



Tgt Ion:164 Resp: 1678
Ion Ratio Lower Upper
164 100
166 145.3 102.2 153.2
129 91.0 85.8 128.8
131 82.8 83.3 124.9#

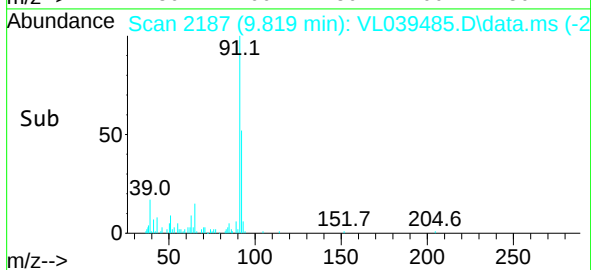
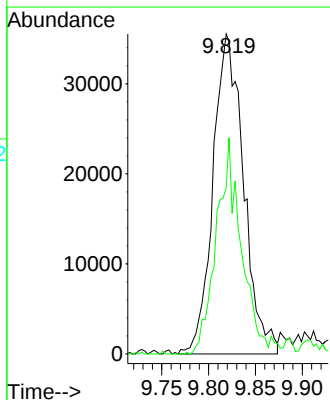
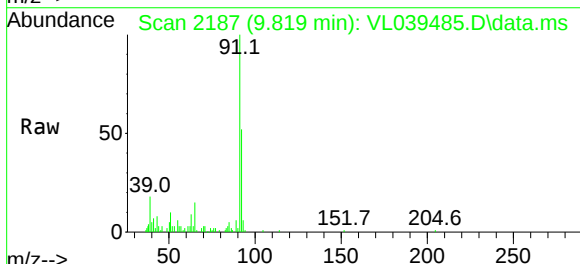
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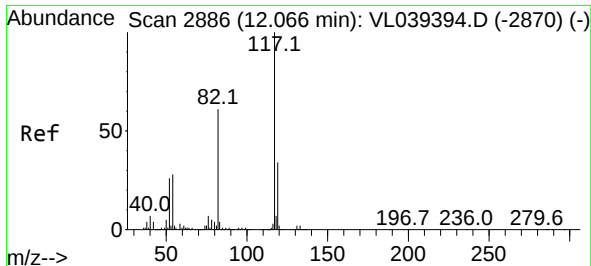
Reviewed By :Semsettin Yesilyurt 07/20/2022
Supervised By :Mahesh Dadoda 07/21/2022



#53
Toluene
Concen: 0.256 ppbv m
RT: 9.819 min Scan# 2187
Delta R.T. 0.035 min
Lab File: VL039485.D
Acq: 19 Jul 2022 16:45

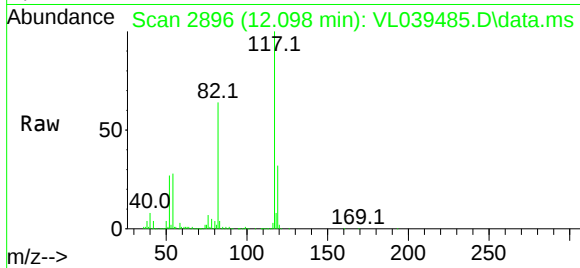
Tgt Ion: 91 Resp: 80475
Ion Ratio Lower Upper
91 100
92 0.0 48.2 72.2#





#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.098 min Scan# 21
Delta R.T. 0.032 min
Lab File: VL039485.D
Acq: 19 Jul 2022 16:45

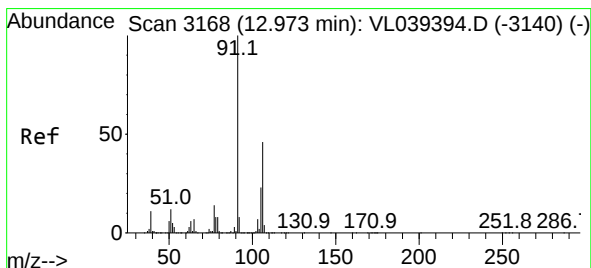
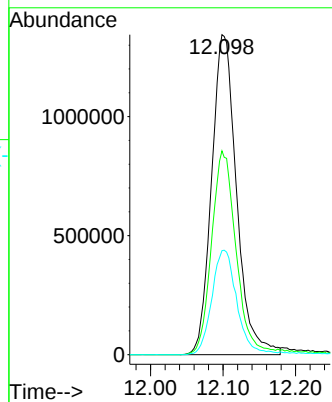
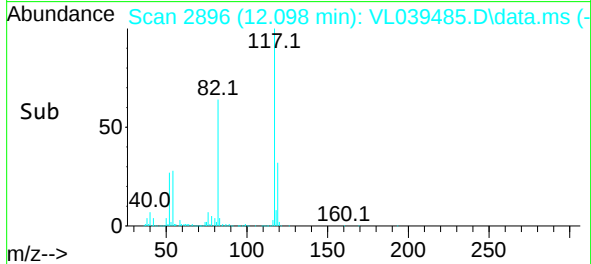
Instrument :
MSVOA_L
ClientSampleId :
SV-1



Tgt Ion: 117 Resp: 321384
Ion Ratio Lower Upper
117 100
82 65.0 50.8 76.2
119 33.8 24.1 36.1

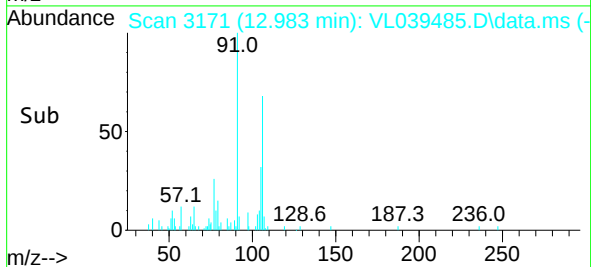
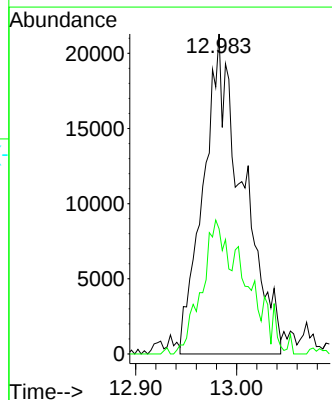
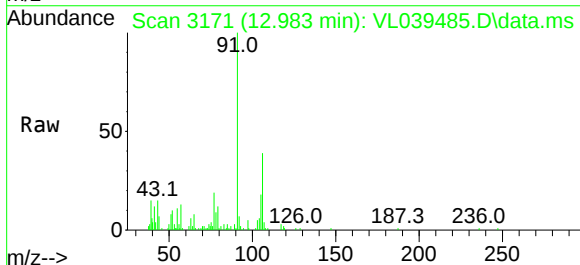
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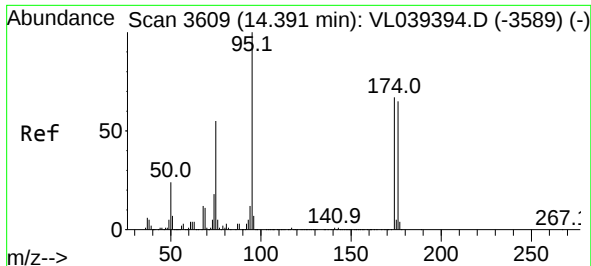
Reviewed By :Semsettin Yesilyurt 07/20/2022
Supervised By :Mahesh Dadoda 07/21/2022



#59
m/p-Xylene
Concen: 0.158 ppbv m
RT: 12.983 min Scan# 3171
Delta R.T. 0.010 min
Lab File: VL039485.D
Acq: 19 Jul 2022 16:45

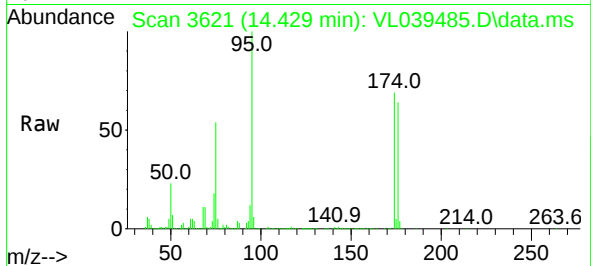
Tgt Ion: 91 Resp: 57623
Ion Ratio Lower Upper
91 100
106 0.0 35.4 53.2#





#68
1-Bromo-4-Fluorobenzene
Concen: 10.128 ppbv
RT: 14.429 min Scan# 3609
Delta R.T. 0.039 min
Lab File: VL039485.D
Acq: 19 Jul 2022 16:45

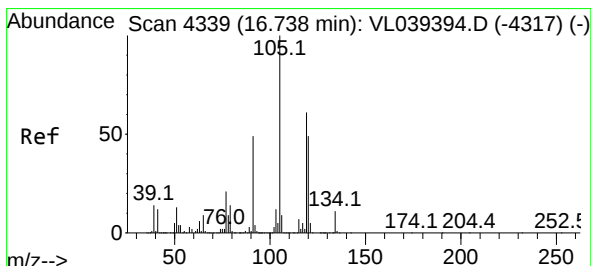
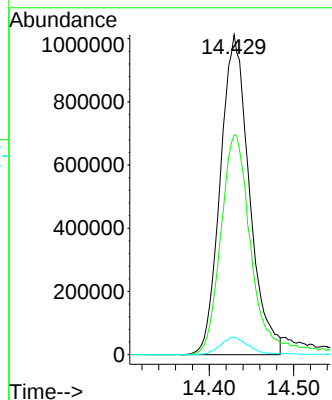
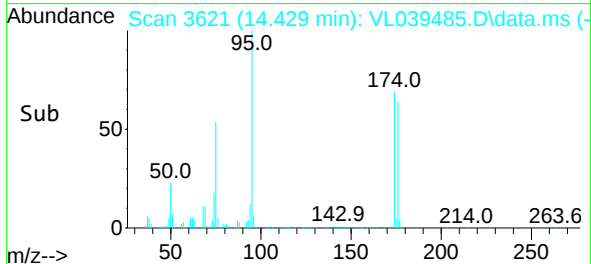
Instrument :
MSVOA_L
ClientSampleId :
SV-1



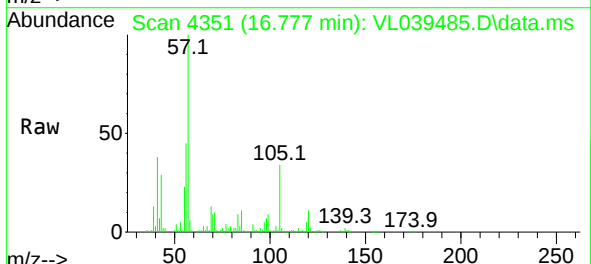
Tgt Ion: 95 Resp: 2414778
Ion Ratio Lower Upper
95 100
174 75.0 55.9 83.9
175 5.7 4.2 6.4

Manual Integrations
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Reviewed By :Semsettin Yesilyurt 07/20/2022
Supervised By :Mahesh Dadoda 07/21/2022



#74
1,2,4-Trimethylbenzene
Concen: 0.205 ppbv m
RT: 16.777 min Scan# 4351
Delta R.T. 0.039 min
Lab File: VL039485.D
Acq: 19 Jul 2022 16:45



Tgt Ion:105 Resp: 84949
Ion Ratio Lower Upper
105 100
120 33.4 39.5 59.3#
91 13.3 39.2 58.8#
77 13.3 17.2 25.8#

