

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL080524\
 Data File : VL041497.D
 Acq On : 5 Aug 2024 12:27
 Operator : SY/MD
 Sample : P3454-01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 E069-1100

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 08/09/2024
 Supervised By :Mahesh Dadoda 08/09/2024

Quant Time: Aug 06 01:36:36 2024

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL072524AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 09 12:34:19 2024

QLast Update : Tue Aug 06 01:32:58 2024

Response via : Initial Calibration

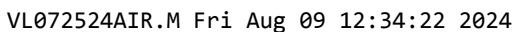
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

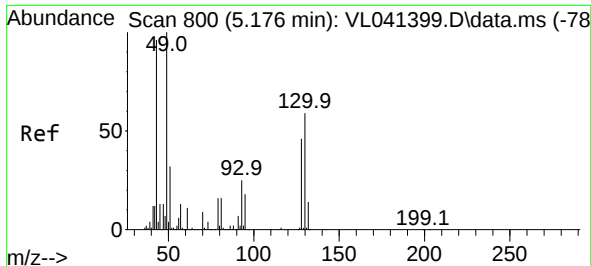
Internal Standards						
1) Bromochloromethane	5.195	49	881947	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.655	114	2483182	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.465	117	2295823	10.000	ppbv	# 0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.777	95	1750505	9.908	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.100%
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.738	85	17567	0.116	ppbv	97
3) Chlorodifluoromethane	2.684	51	15449m	0.147	ppbv	
4) Chloromethane	2.822	50	832933	14.916	ppbv	100
5) Vinyl Chloride	2.928	62	70323	1.278	ppbv	96
9) Propene	2.716	41	11264	0.234	ppbv	86
11) Trichlorofluoromethane	3.568	101	2022001	15.006	ppbv	98
13) Ethanol	3.250	45	122424	28.400	ppbv	92
15) Acetone	3.475	43	778194	7.766	ppbv	99
19) Isopropyl Alcohol	3.591	45	21135m	0.361	ppbv	
20) Methylene Chloride	3.938	84	6855929	183.472	ppbv #	83
26) Hexane	5.217	57	7951106	96.280	ppbv #	37
30) Cyclohexane	6.610	84	13810m	0.205	ppbv	
34) 2-Butanone	4.793	43	23617m	0.197	ppbv	
36) Benzene	6.372	78	5537244	30.517	ppbv	97
37) 1,2-Dichloroethane	5.809	62	1743701	17.170	ppbv	100
39) 1,2-Dichloropropane	7.073	63	1127596	16.232	ppbv	98
53) Toluene	9.221	91	20811	0.103	ppbv	93
57) Chlorobenzene	11.523	112	2277421	13.933	ppbv	98
58) Ethyl Benzene	12.085	91	5016906	18.959	ppbv	100
65) tert-Butylbenzene	16.108	119	692821	2.335	ppbv #	66
73) 1,3,5-Trimethylbenzene	15.349	105	6653424	30.358	ppbv	99
74) 1,2,4-Trimethylbenzene	16.105	105	6038508	23.699	ppbv #	73
77) 1,2-Dichlorobenzene	17.146	146	29853	0.188	ppbv	87

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

Manual Integrations

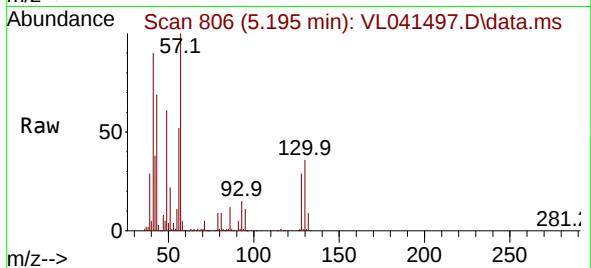
Quant Time: Aug 06 01:36:36 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL072524AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug
QLast Update : Tue Aug 06 01:32:58 2024
Response via : Initial Calibration





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.195 min Scan# 80
Delta R.T. 0.006 min
Lab File: VL041497.D
Acq: 5 Aug 2024 12:27

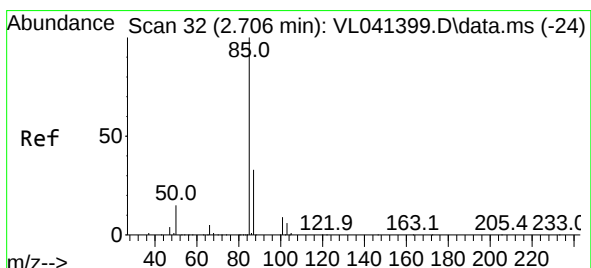
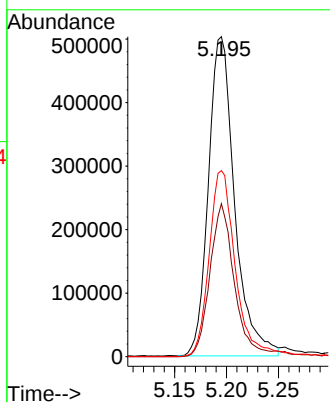
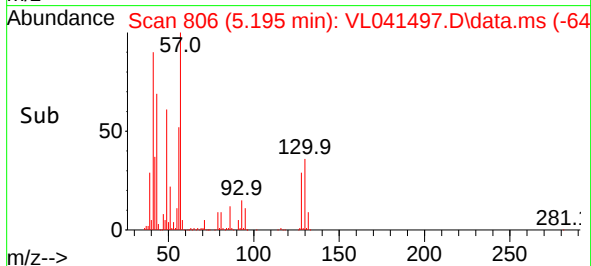
Instrument :
MSVOA_L
ClientSampleId :
E069-1100



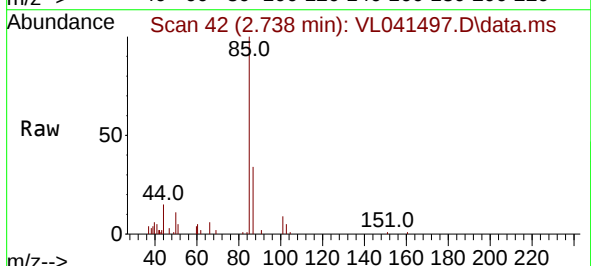
Tgt Ion: 49 Resp: 88194
Ion Ratio Lower Upper
49 100
128 46.4 23.8 71.4
130 59.9 30.8 92.4

Manual Integrations
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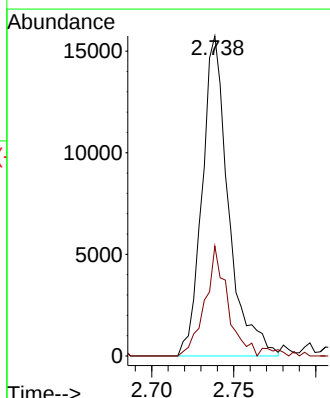
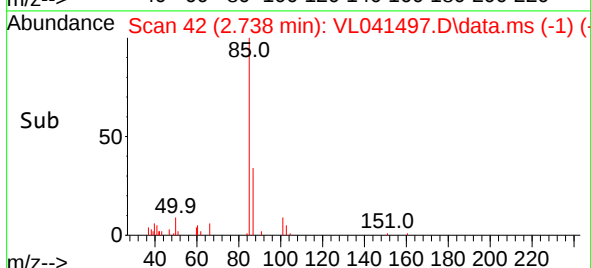
Reviewed By :Semsettin Yesilyurt 08/09/2024
Supervised By :Mahesh Dadoda 08/09/2024

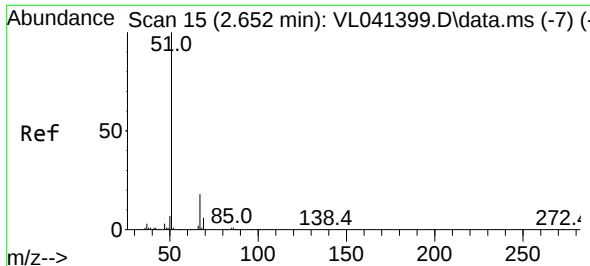


#2
Dichlorodifluoromethane
Concen: 0.116 ppbv
RT: 2.738 min Scan# 42
Delta R.T. 0.006 min
Lab File: VL041497.D
Acq: 5 Aug 2024 12:27



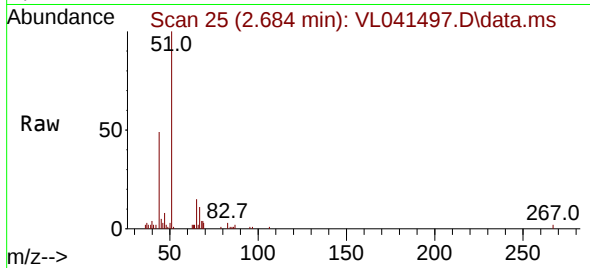
Tgt Ion: 85 Resp: 17567
Ion Ratio Lower Upper
85 100
87 34.4 26.0 39.0





#3
Chlorodifluoromethane
Concen: 0.147 ppbv m
RT: 2.684 min Scan# 21
Delta R.T. 0.006 min
Lab File: VL041497.D
Acq: 5 Aug 2024 12:27

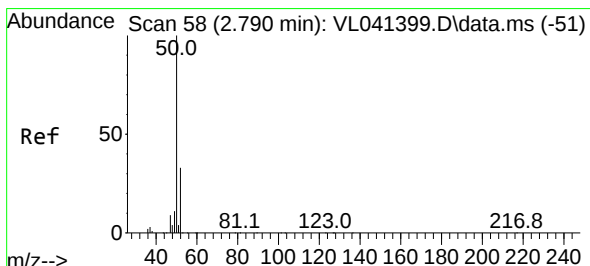
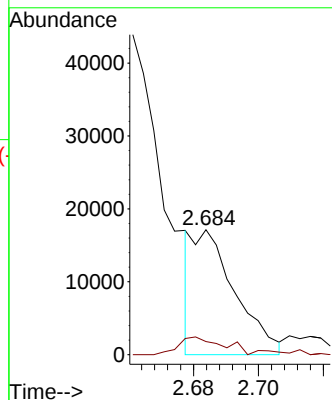
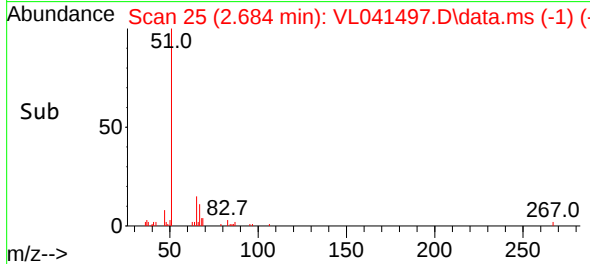
Instrument :
MSVOA_L
ClientSampleId :
E069-1100



Tgt Ion: 51 Resp: 15449
Ion Ratio Lower Upper
51 100
67 18.4 14.5 21.7

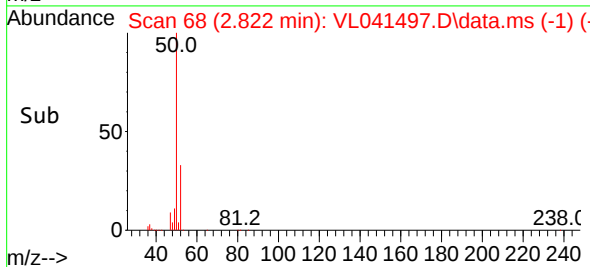
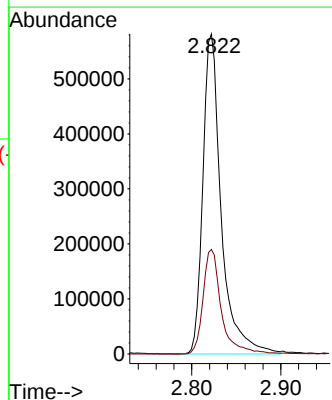
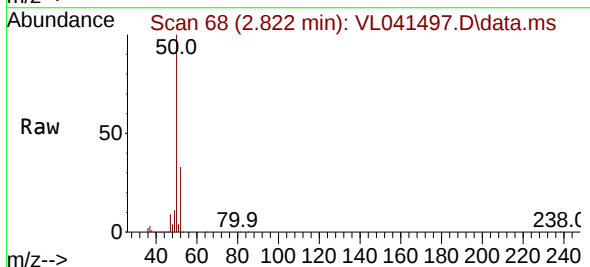
Manual Integrations
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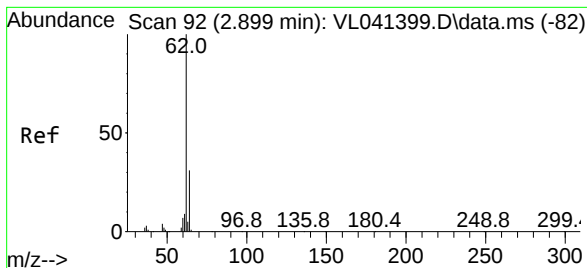
Reviewed By :Semsettin Yesilyurt 08/09/2024
Supervised By :Mahesh Dadoda 08/09/2024



#4
Chloromethane
Concen: 14.916 ppbv
RT: 2.822 min Scan# 68
Delta R.T. 0.006 min
Lab File: VL041497.D
Acq: 5 Aug 2024 12:27

Tgt Ion: 50 Resp: 832933
Ion Ratio Lower Upper
50 100
52 32.7 26.1 39.1





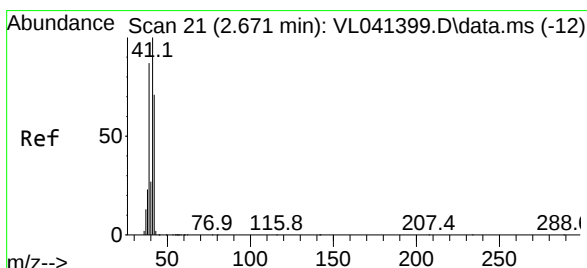
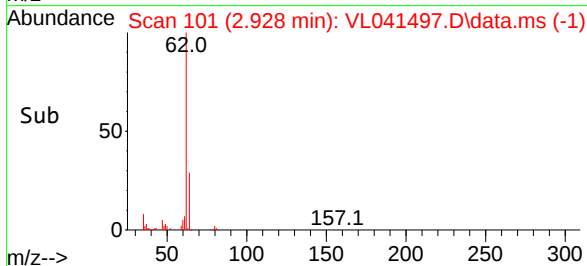
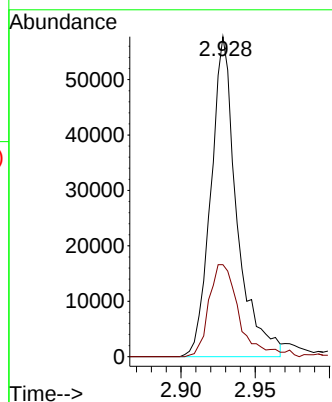
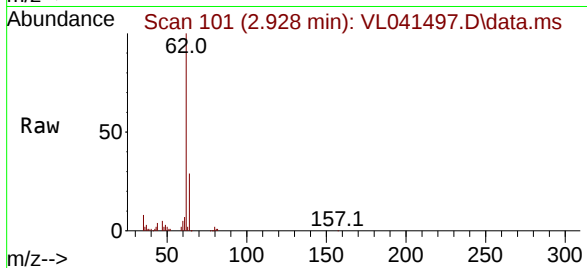
#5
 Vinyl Chloride
 Concen: 1.278 ppbv
 RT: 2.928 min Scan# 101
 Delta R.T. 0.006 min
 Lab File: VL041497.D
 Acq: 5 Aug 2024 12:27

Instrument :
 MSVOA_L
 ClientSampleId :
 E069-1100

Tgt Ion: 62 Resp: 7032
 Ion Ratio Lower Upper
 62 100
 64 28.7 25.0 37.4

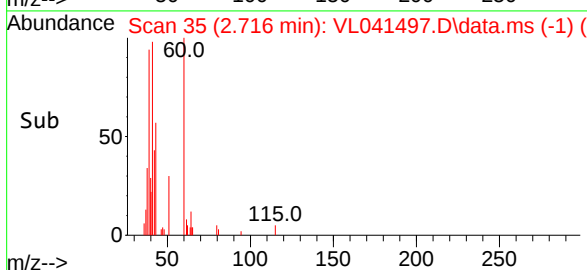
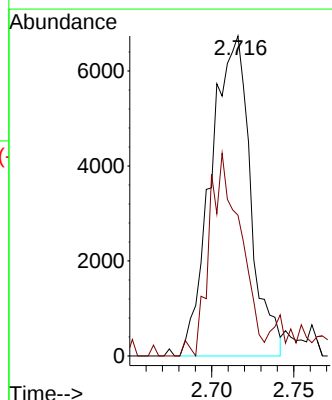
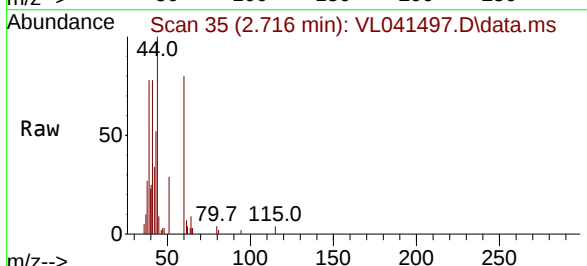
Manual Integrations
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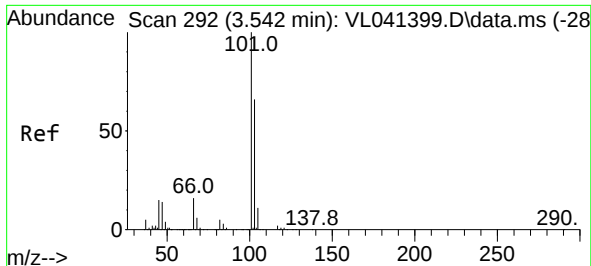
Reviewed By :Semsettin Yesilyurt 08/09/2024
 Supervised By :Mahesh Dadoda 08/09/2024



#9
 Propene
 Concen: 0.234 ppbv
 RT: 2.716 min Scan# 35
 Delta R.T. 0.019 min
 Lab File: VL041497.D
 Acq: 5 Aug 2024 12:27

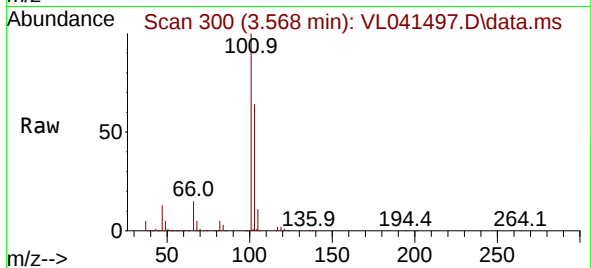
Tgt Ion: 41 Resp: 11264
 Ion Ratio Lower Upper
 41 100
 42 58.5 55.9 83.9





#11
Trichlorofluoromethane
Concen: 15.006 ppbv
RT: 3.568 min Scan# 301
Delta R.T. 0.006 min
Lab File: VL041497.D
Acq: 5 Aug 2024 12:27

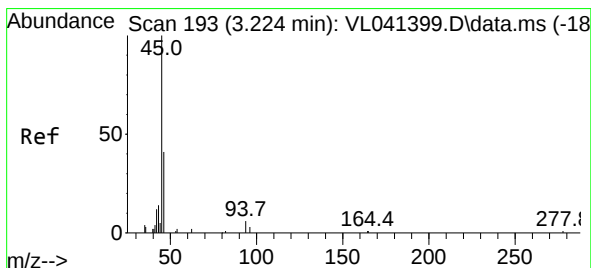
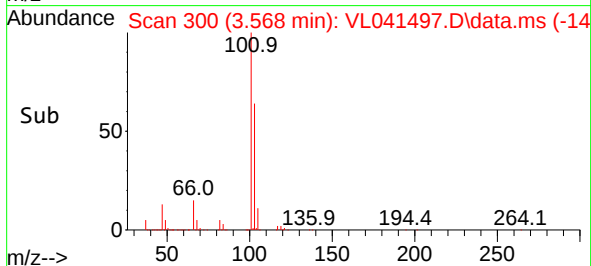
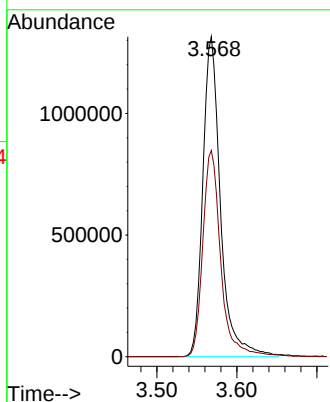
Instrument :
MSVOA_L
ClientSampleId :
E069-1100



Tgt Ion:101 Resp: 202200
Ion Ratio Lower Upper
101 100
103 64.5 52.6 79.0

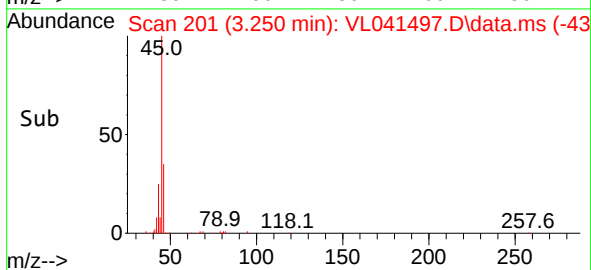
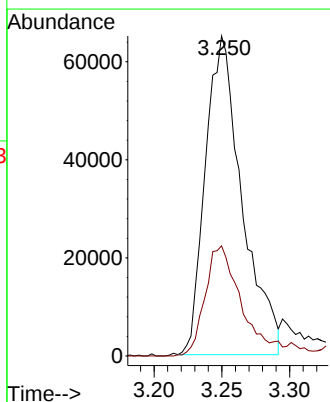
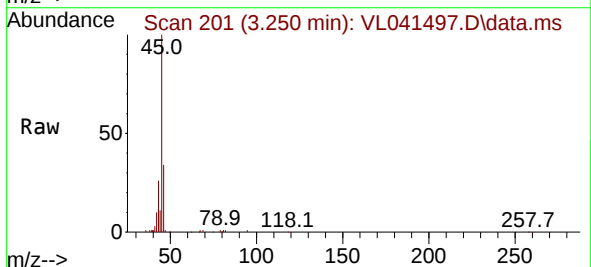
Manual Integrations
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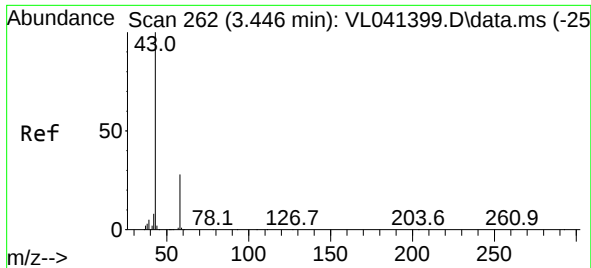
Reviewed By :Semsettin Yesilyurt 08/09/2024
Supervised By :Mahesh Dadoda 08/09/2024



#13
Ethanol
Concen: 28.400 ppbv
RT: 3.250 min Scan# 201
Delta R.T. 0.006 min
Lab File: VL041497.D
Acq: 5 Aug 2024 12:27

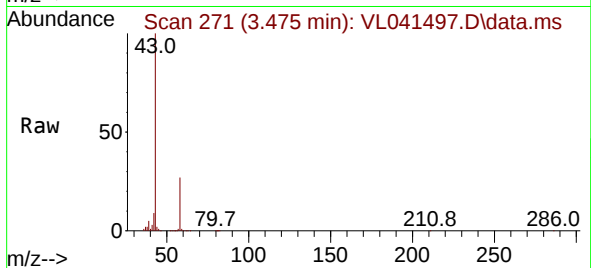
Tgt Ion: 45 Resp: 122424
Ion Ratio Lower Upper
45 100
46 37.7 13.4 53.4





#15
Acetone
Concen: 7.766 ppbv
RT: 3.475 min Scan# 21
Delta R.T. 0.006 min
Lab File: VL041497.D
Acq: 5 Aug 2024 12:27

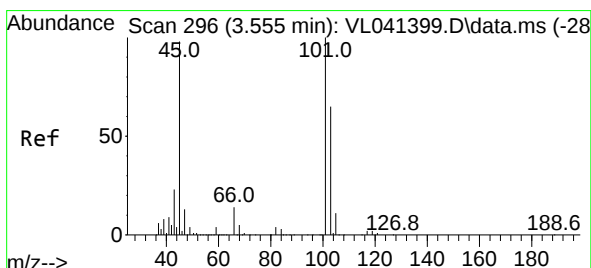
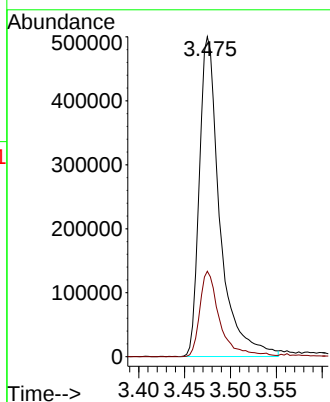
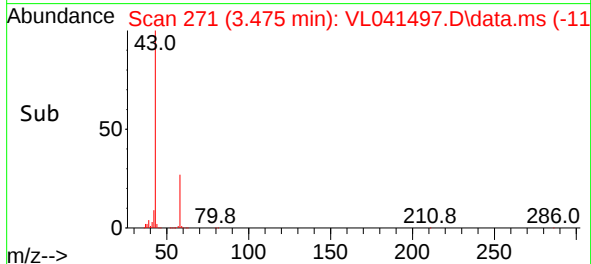
Instrument :
MSVOA_L
ClientSampleId :
E069-1100



Tgt Ion: 43 Resp: 778194
Ion Ratio Lower Upper
43 100
58 26.1 21.4 32.2

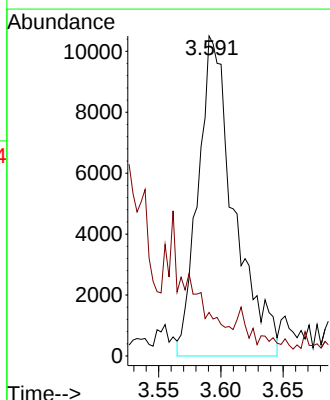
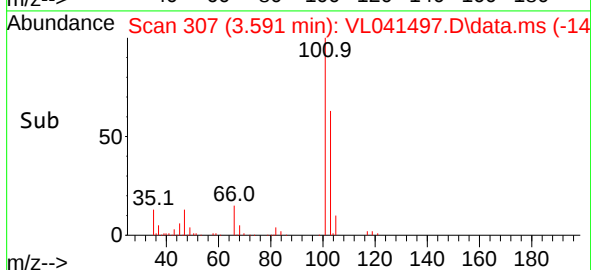
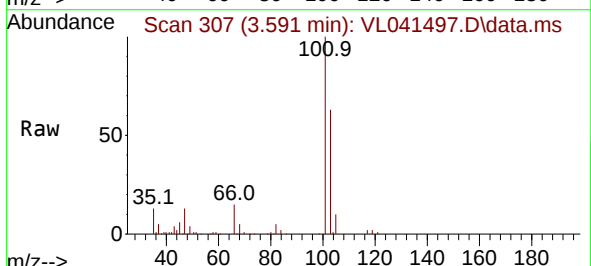
Manual Integrations
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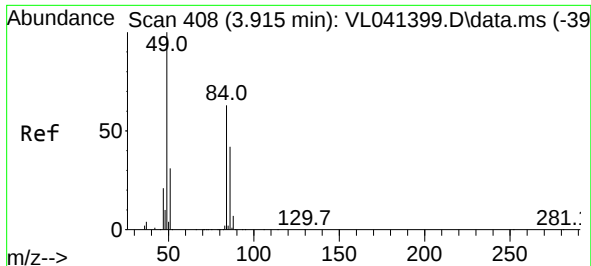
Reviewed By :Semsettin Yesilyurt 08/09/2024
Supervised By :Mahesh Dadoda 08/09/2024



#19
Isopropyl Alcohol
Concen: 0.361 ppbv m
RT: 3.591 min Scan# 307
Delta R.T. 0.016 min
Lab File: VL041497.D
Acq: 5 Aug 2024 12:27

Tgt Ion: 45 Resp: 21135
Ion Ratio Lower Upper
45 100
58 36.5 1.9 2.9#





#20

Methylene Chloride

Concen: 183.472 ppbv

RT: 3.938 min Scan# 415

Delta R.T. 0.006 min

Lab File: VL041497.D

Acq: 5 Aug 2024 12:27

Instrument :

MSVOA_L

ClientSampleId :

E069-1100

Tgt Ion: 84 Resp: 6855929

Ion Ratio Lower Upper

84 100

49 126.6 126.6 190.0

51 52.6 38.6 58.0

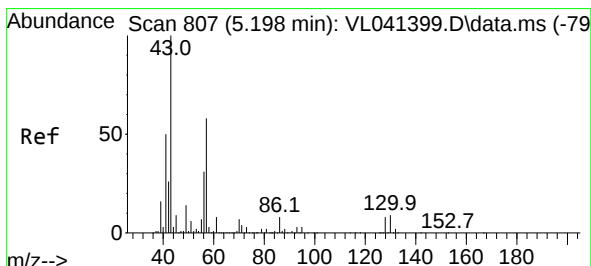
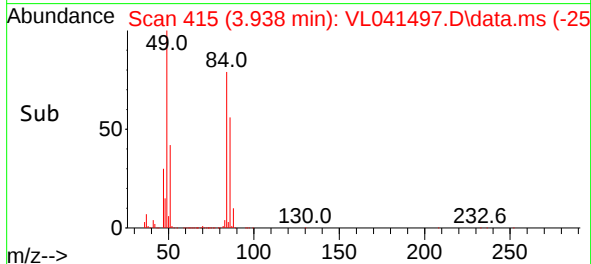
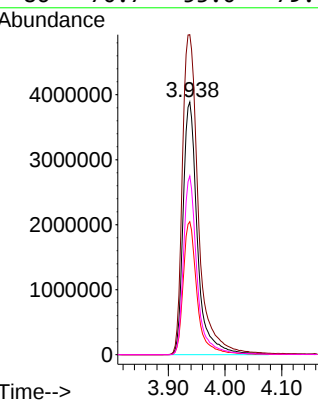
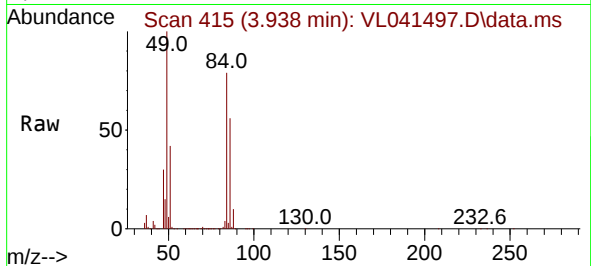
86 70.7 53.0 79.4

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 08/09/2024

Supervised By :Mahesh Dadoda 08/09/2024



#26

Hexane

Concen: 96.280 ppbv

RT: 5.217 min Scan# 813

Delta R.T. 0.006 min

Lab File: VL041497.D

Acq: 5 Aug 2024 12:27

Tgt Ion: 57 Resp: 7951106

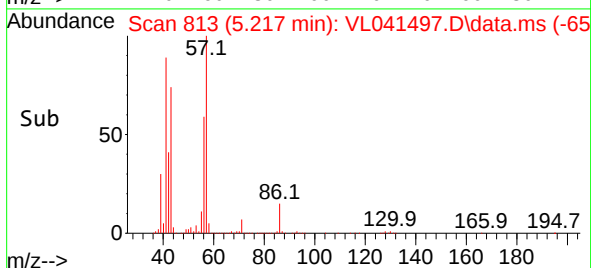
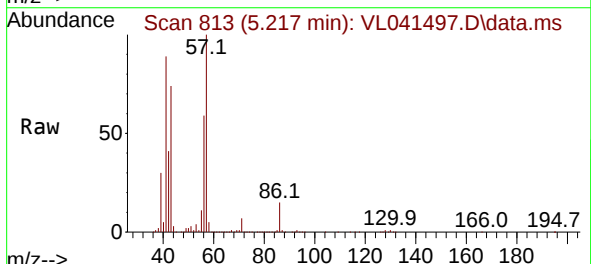
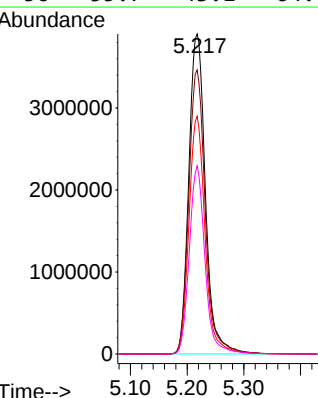
Ion Ratio Lower Upper

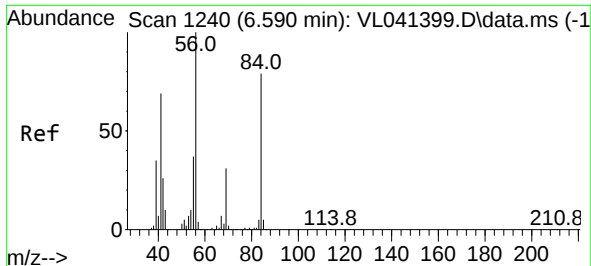
57 100

41 88.5 74.0 111.0

43 72.2 193.6 290.4

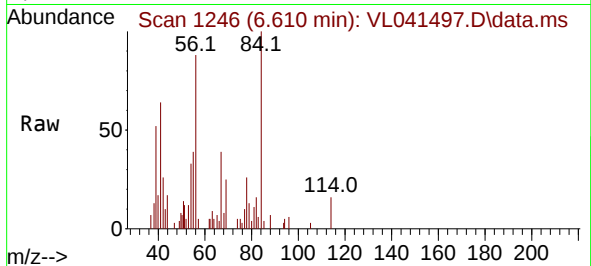
56 55.7 43.1 64.7





#30
Cyclohexane
Concen: 0.205 ppbv m
RT: 6.610 min Scan# 1240
Delta R.T. 0.013 min
Lab File: VL041497.D
Acq: 5 Aug 2024 12:27

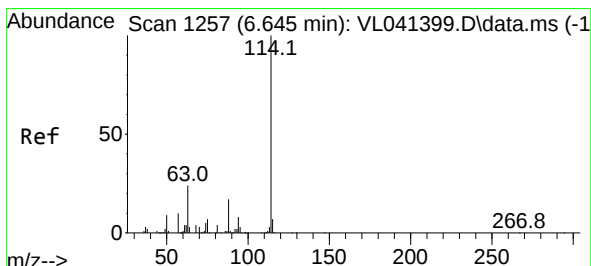
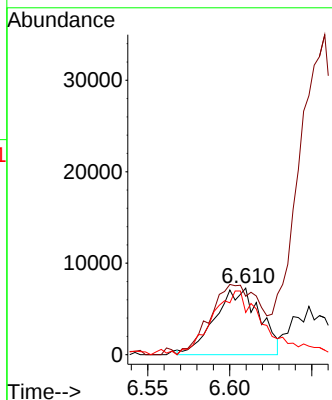
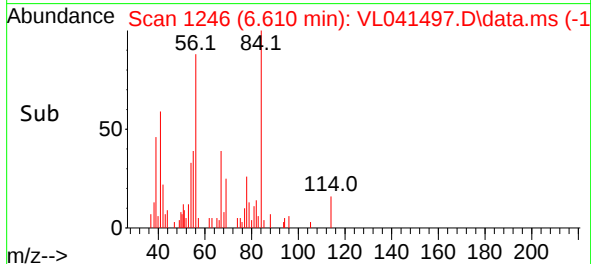
Instrument :
MSVOA_L
ClientSampleId :
E069-1100



Tgt Ion: 84 Resp: 13810
Ion Ratio Lower Upper
84 100
56 122.7 111.2 166.8
41 118.7 70.3 105.5

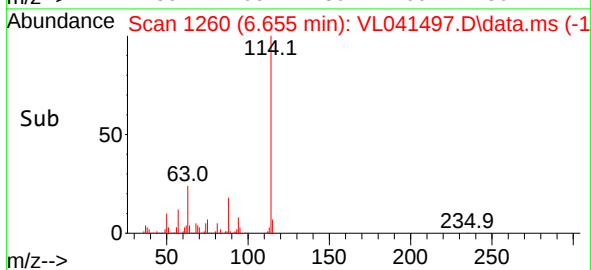
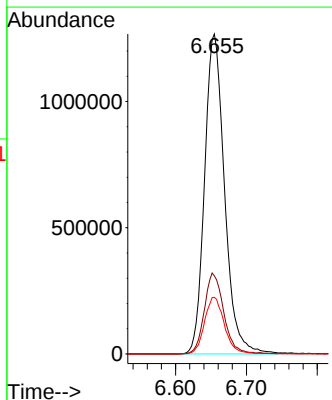
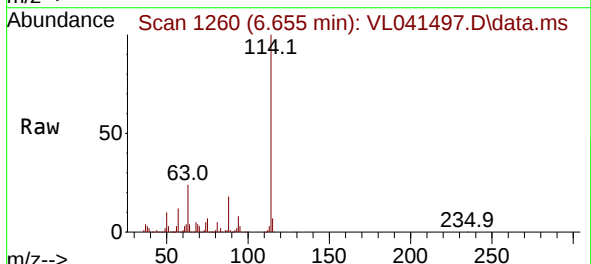
Manual Integrations
APPROVED

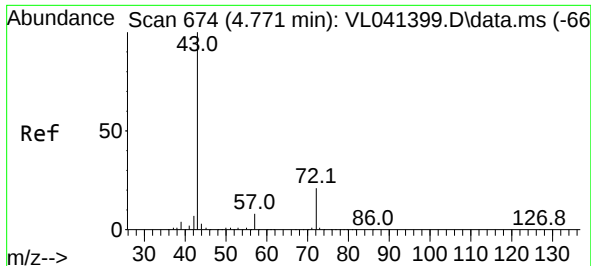
Reviewed By :Semsettin Yesilyurt 08/09/2024
Supervised By :Mahesh Dadoda 08/09/2024



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 6.655 min Scan# 1260
Delta R.T. 0.006 min
Lab File: VL041497.D
Acq: 5 Aug 2024 12:27

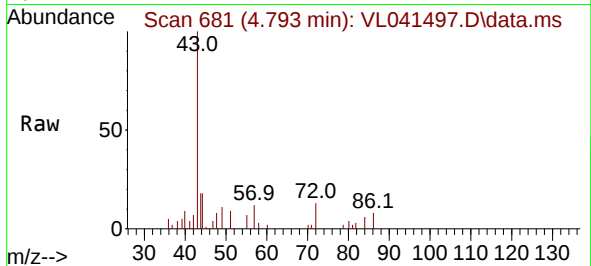
Tgt Ion:114 Resp: 2483182
Ion Ratio Lower Upper
114 100
63 24.8 20.3 30.5
88 17.7 14.3 21.5





#34
2-Butanone
Concen: 0.197 ppbv m
RT: 4.793 min Scan# 61
Delta R.T. 0.010 min
Lab File: VL041497.D
Acq: 5 Aug 2024 12:27

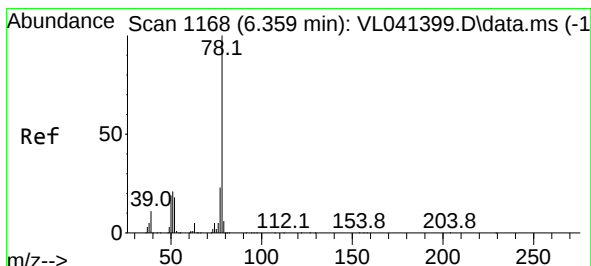
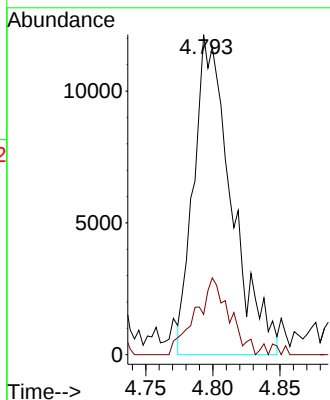
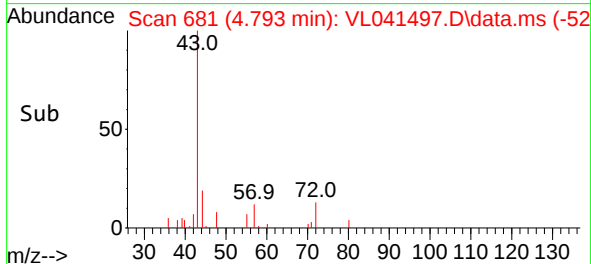
Instrument :
MSVOA_L
ClientSampleId :
E069-1100



Tgt Ion: 43 Resp: 2361
Ion Ratio Lower Upper
43 100
72 0.0 17.3 25.9

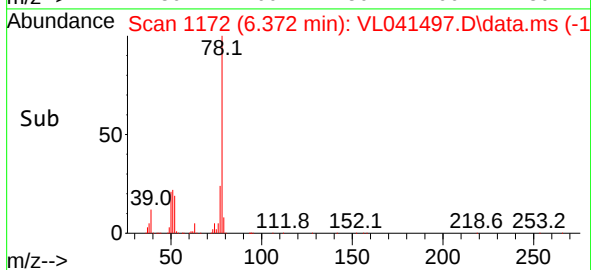
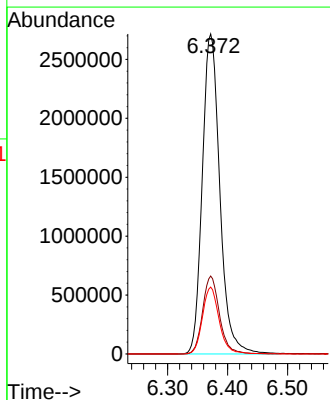
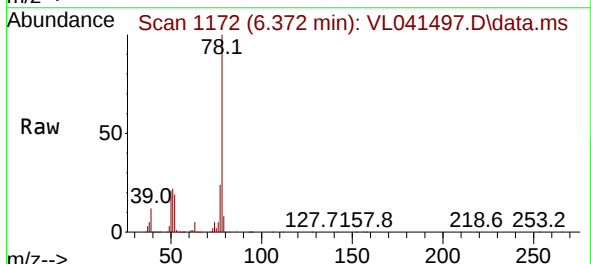
Manual Integrations
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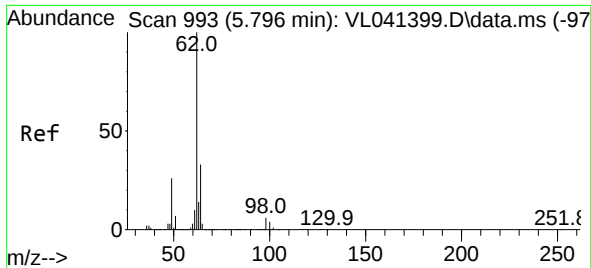
Reviewed By :Semsettin Yesilyurt 08/09/2024
Supervised By :Mahesh Dadoda 08/09/2024



#36
Benzene
Concen: 30.517 ppbv
RT: 6.372 min Scan# 1172
Delta R.T. 0.003 min
Lab File: VL041497.D
Acq: 5 Aug 2024 12:27

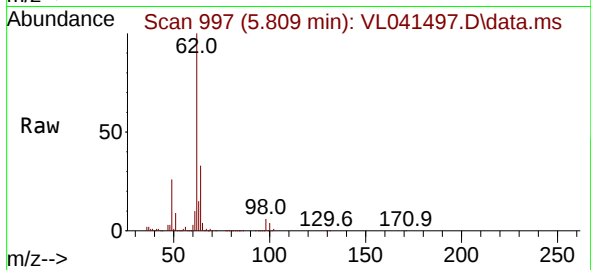
Tgt Ion: 78 Resp: 5537244
Ion Ratio Lower Upper
78 100
77 24.3 18.1 27.1
50 20.9 15.5 23.3





#37
1,2-Dichloroethane
Concen: 17.170 ppbv
RT: 5.809 min Scan# 993
Delta R.T. 0.003 min
Lab File: VL041497.D
Acq: 5 Aug 2024 12:27

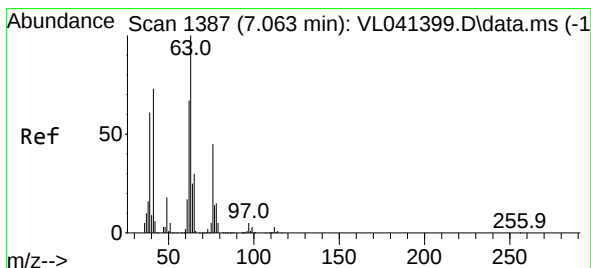
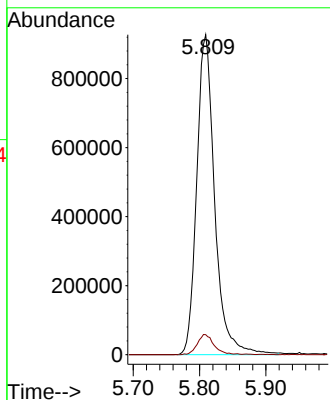
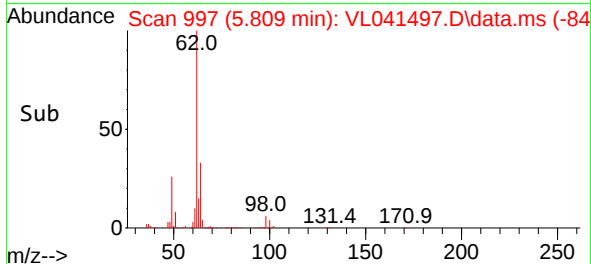
Instrument :
MSVOA_L
ClientSampleId :
E069-1100



Tgt Ion: 62 Resp: 174370
Ion Ratio Lower Upper
62 100
98 6.1 5.0 7.4

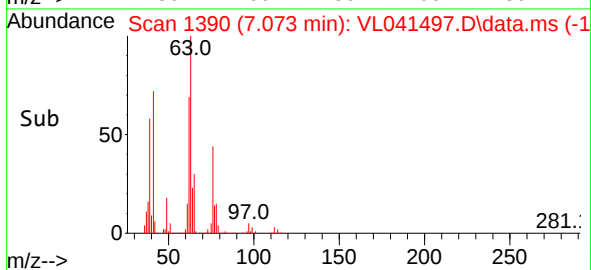
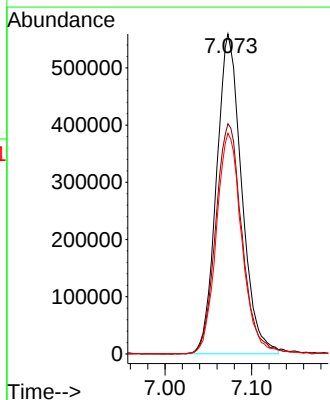
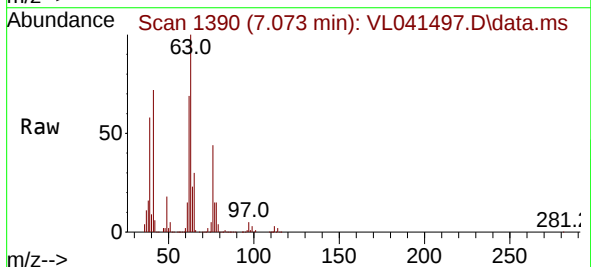
Manual Integrations
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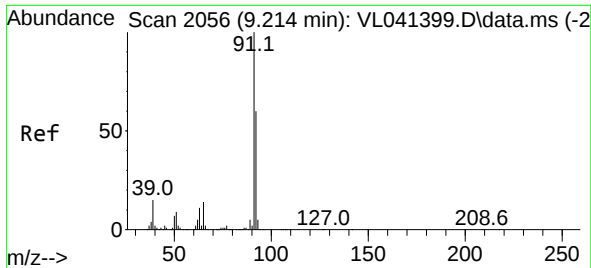
Reviewed By :Semsettin Yesilyurt 08/09/2024
Supervised By :Mahesh Dadoda 08/09/2024



#39
1,2-Dichloropropane
Concen: 16.232 ppbv
RT: 7.073 min Scan# 1390
Delta R.T. 0.003 min
Lab File: VL041497.D
Acq: 5 Aug 2024 12:27

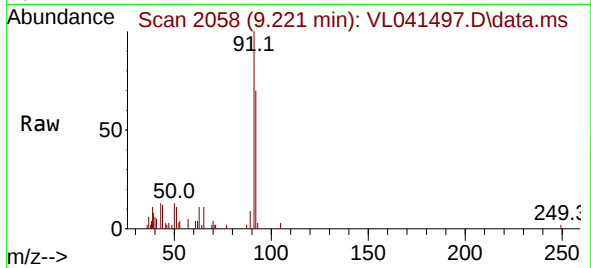
Tgt Ion: 63 Resp: 1127596
Ion Ratio Lower Upper
63 100
41 71.9 58.3 87.5
62 69.0 53.9 80.9





#53
Toluene
Concen: 0.103 ppbv
RT: 9.221 min Scan# 2056
Delta R.T. 0.003 min
Lab File: VL041497.D
Acq: 5 Aug 2024 12:27

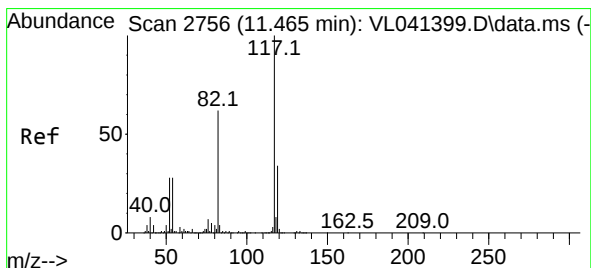
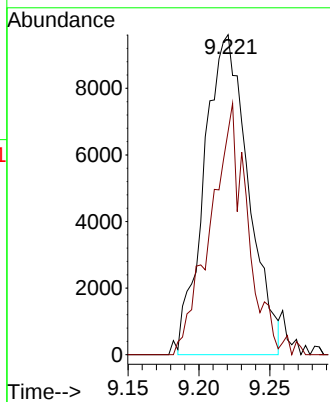
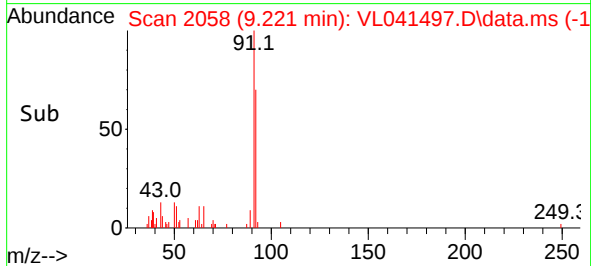
Instrument :
MSVOA_L
ClientSampleId :
E069-1100



Tgt Ion: 91 Resp: 2081
Ion Ratio Lower Upper
91 100
92 66.6 48.7 73.1

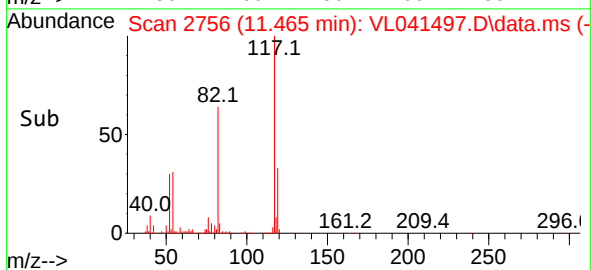
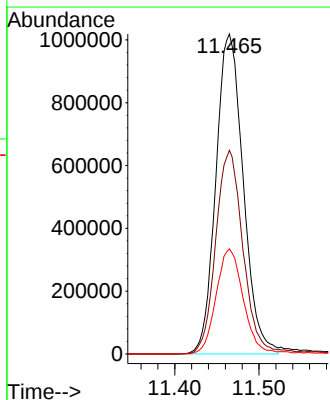
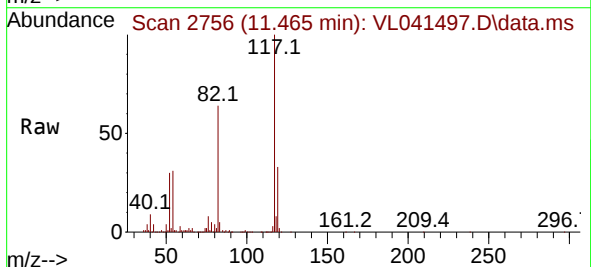
Manual Integrations
APPROVED

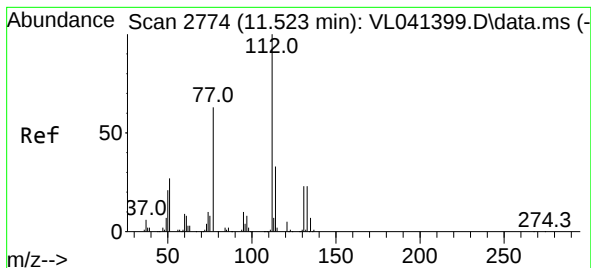
Reviewed By :Semsettin Yesilyurt 08/09/2024
Supervised By :Mahesh Dadoda 08/09/2024



#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.465 min Scan# 2756
Delta R.T. 0.003 min
Lab File: VL041497.D
Acq: 5 Aug 2024 12:27

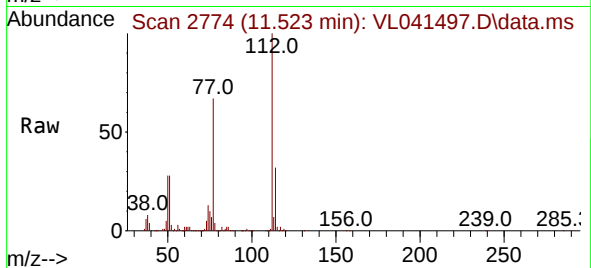
Tgt Ion:117 Resp: 2295823
Ion Ratio Lower Upper
117 100
82 64.2 51.0 76.6
119 33.4 45.2 67.8#





#57
Chlorobenzene
Concen: 13.933 ppbv
RT: 11.523 min Scan# 21
Delta R.T. 0.003 min
Lab File: VL041497.D
Acq: 5 Aug 2024 12:27

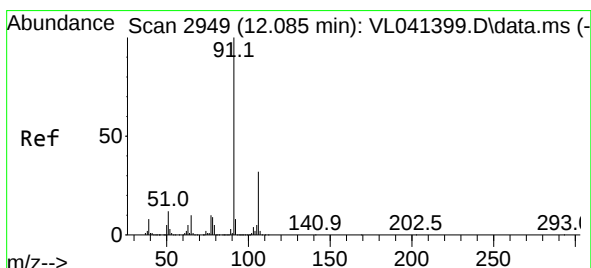
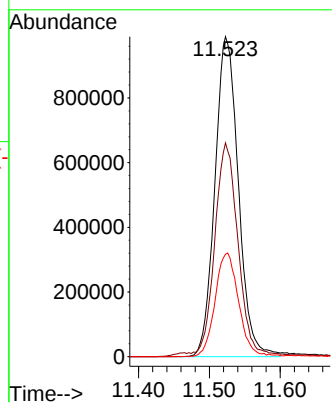
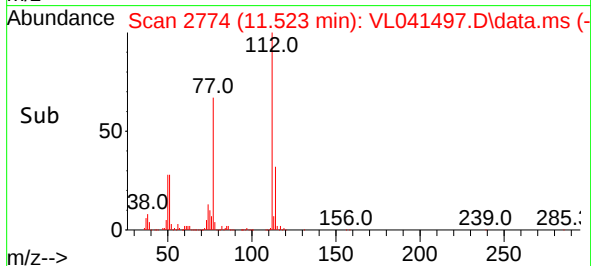
Instrument :
MSVOA_L
ClientSampleId :
E069-1100



Tgt Ion:112 Resp: 227742
Ion Ratio Lower Upper
112 100
77 66.0 51.1 76.7
114 32.0 29.5 36.1

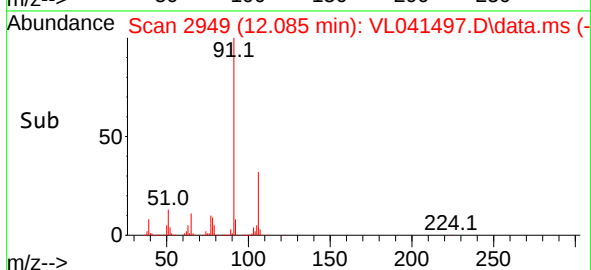
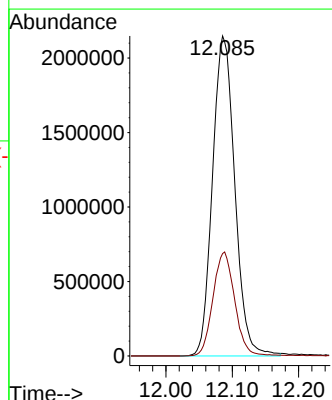
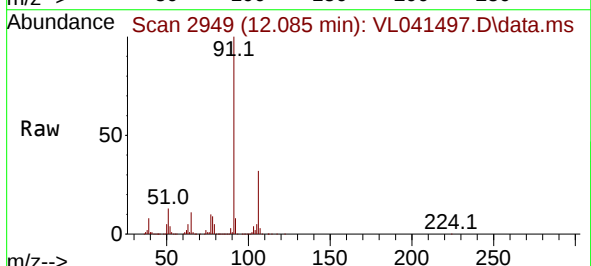
Manual Integrations
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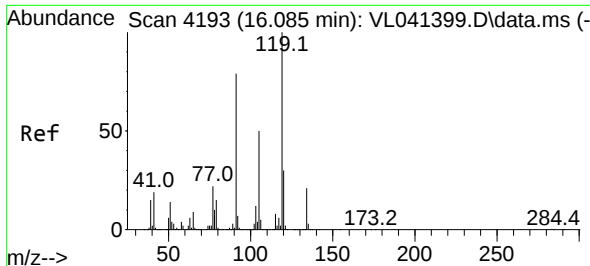
Reviewed By :Semsettin Yesilyurt 08/09/2024
Supervised By :Mahesh Dadoda 08/09/2024



#58
Ethyl Benzene
Concen: 18.959 ppbv
RT: 12.085 min Scan# 2949
Delta R.T. 0.000 min
Lab File: VL041497.D
Acq: 5 Aug 2024 12:27

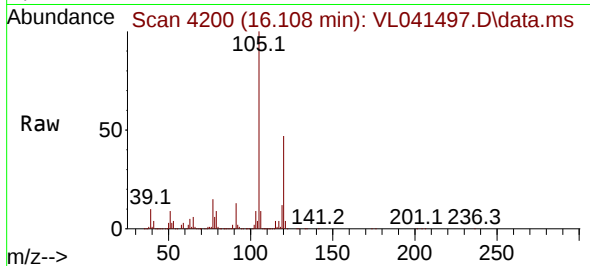
Tgt Ion: 91 Resp: 5016906
Ion Ratio Lower Upper
91 100
106 32.0 25.8 38.8





#65
tert-Butylbenzene
Concen: 2.335 ppbv
RT: 16.108 min Scan# 4193
Delta R.T. 0.026 min
Lab File: VL041497.D
Acq: 5 Aug 2024 12:27

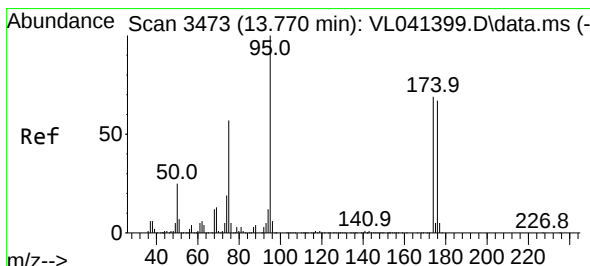
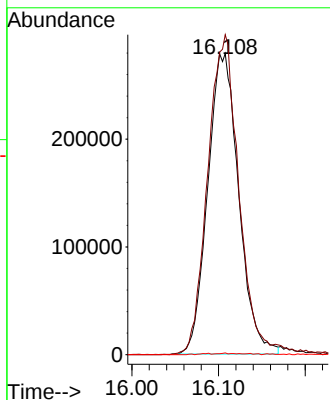
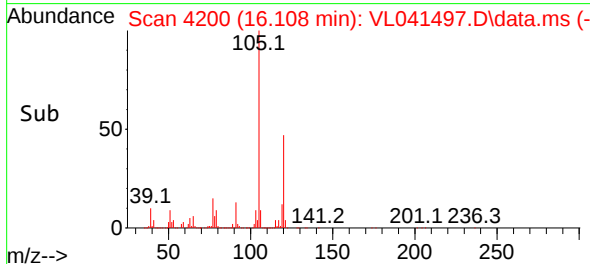
Instrument :
MSVOA_L
ClientSampleId :
E069-1100



Tgt Ion:119 Resp: 69282
Ion Ratio Lower Upper
119 100
91 108.4 64.2 96.2
134 0.5 15.7 23.5

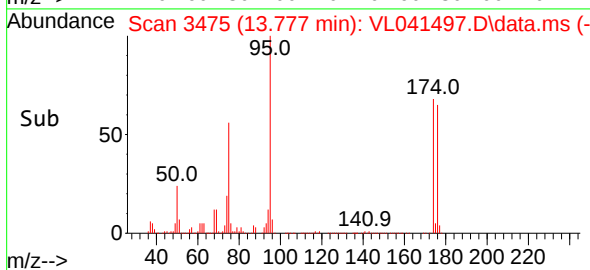
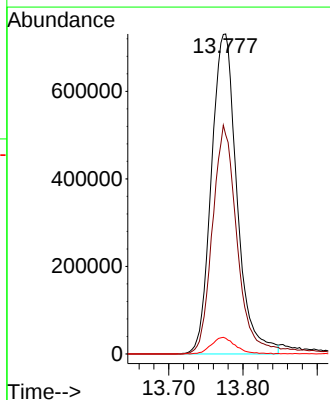
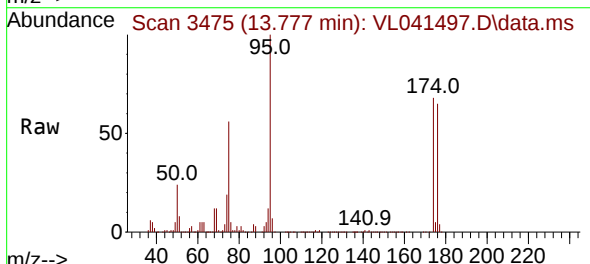
Manual Integrations
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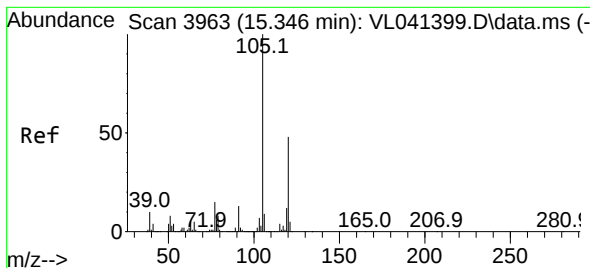
Reviewed By :Semsettin Yesilyurt 08/09/2024
Supervised By :Mahesh Dadoda 08/09/2024



#68
1-Bromo-4-Fluorobenzene
Concen: 9.908 ppbv
RT: 13.777 min Scan# 3475
Delta R.T. 0.010 min
Lab File: VL041497.D
Acq: 5 Aug 2024 12:27

Tgt Ion: 95 Resp: 1750505
Ion Ratio Lower Upper
95 100
174 71.2 56.3 84.5
175 5.0 4.0 6.0





#73

1,3,5-Trimethylbenzene

Concen: 30.358 ppbv

RT: 15.349 min Scan# 3964

Delta R.T. 0.003 min

Lab File: VL041497.D

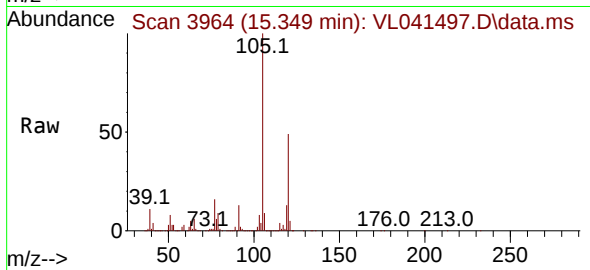
Acq: 5 Aug 2024 12:27

Instrument :

MSVOA_L

ClientSampleId :

E069-1100



Tgt Ion:105 Resp: 6653424

Ion Ratio Lower Upper

105 100

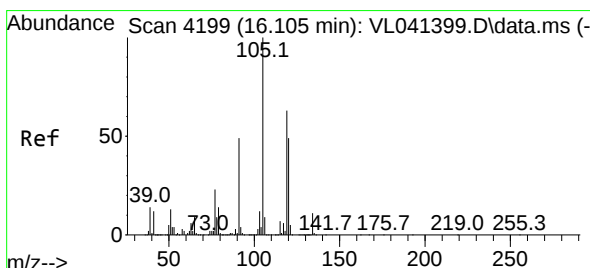
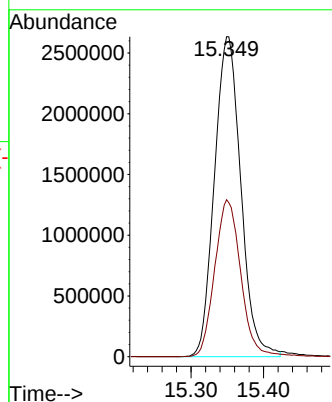
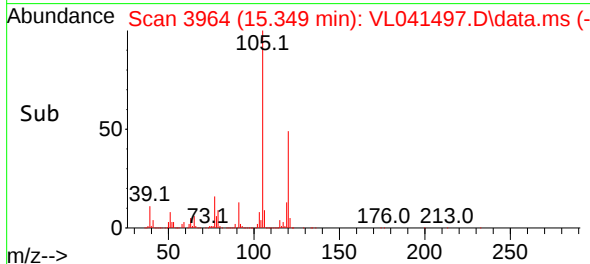
120 49.0 38.6 57.8

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 08/09/2024

Supervised By :Mahesh Dadoda 08/09/2024



#74

1,2,4-Trimethylbenzene

Concen: 23.699 ppbv

RT: 16.105 min Scan# 4199

Delta R.T. 0.003 min

Lab File: VL041497.D

Acq: 5 Aug 2024 12:27

Tgt Ion:105 Resp: 6038508

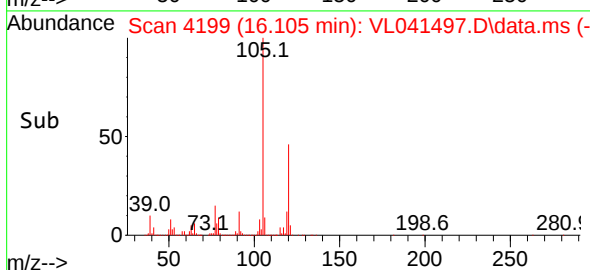
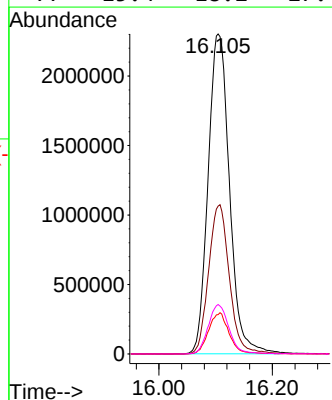
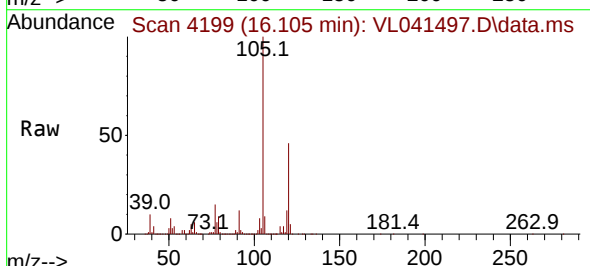
Ion Ratio Lower Upper

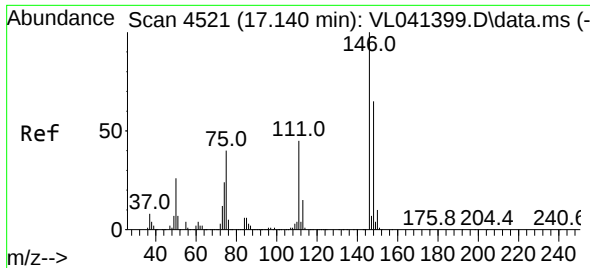
105 100

120 46.2 39.5 59.3

91 12.3 39.8 59.8#

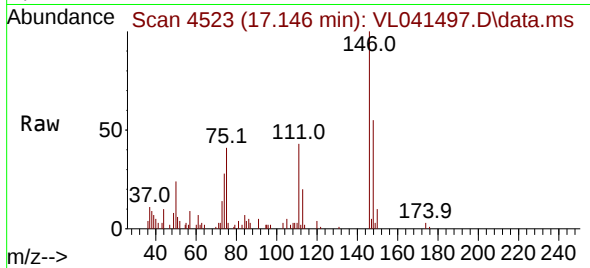
77 15.4 18.2 27.4#





#77
 1,2-Dichlorobenzene
 Concen: 0.188 ppbv
 RT: 17.146 min Scan# 41
 Delta R.T. 0.010 min
 Lab File: VL041497.D
 Acq: 5 Aug 2024 12:27

Instrument :
 MSVOA_L
 ClientSampleId :
 E069-1100



Tgt Ion:146 Resp: 2985
 Ion Ratio Lower Upper
 146 100
 111 53.6 23.4 70.0
 148 76.0 32.2 96.6

Manual Integrations
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Reviewed By :Semsettin Yesilyurt 08/09/2024
 Supervised By :Mahesh Dadoda 08/09/2024

