

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL080524\
 Data File : VL041499.D
 Acq On : 5 Aug 2024 13:50
 Operator : SY/MD
 Sample : P3454-01DL 4X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 E069-1100DL

Manual Integrations
 APPROVED

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

Quant Time: Aug 06 01:37:31 2024

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

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 09 12:35:06 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	5.189	49	1115379	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.648	114	3028020	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.462	117	2787787	10.000	ppbv	# 0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.767	95	2139112	9.971	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.700%
Target Compounds						Qvalue
4) Chloromethane	2.813	50	287317	4.068	ppbv	100
5) Vinyl Chloride	2.919	62	21567	0.310	ppbv	97
11) Trichlorofluoromethane	3.562	101	701750	4.118	ppbv	99
13) Ethanol	3.266	45	4419m	0.811	ppbv	
15) Acetone	3.488	43	52404	0.414	ppbv	94
20) Methylene Chloride	3.932	84	85875	1.817	ppbv	95
25) Ethyl Acetate	5.208	43	721934	2.867	ppbv #	76
26) Hexane	5.208	57	1016976	9.737	ppbv #	38
36) Benzene	6.365	78	1948352	8.806	ppbv	100
37) 1,2-Dichloroethane	5.803	62	566439	4.574	ppbv	100
39) 1,2-Dichloropropane	7.066	63	374234	4.418	ppbv	97
57) Chlorobenzene	11.520	112	777739	3.918	ppbv	98
58) Ethyl Benzene	12.082	91	1680650	5.230	ppbv	96
65) tert-Butylbenzene	16.101	119	213018	0.591	ppbv #	62
73) 1,3,5-Trimethylbenzene	15.346	105	2231410	8.385	ppbv	98
74) 1,2,4-Trimethylbenzene	16.101	105	1954023	6.315	ppbv #	71

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

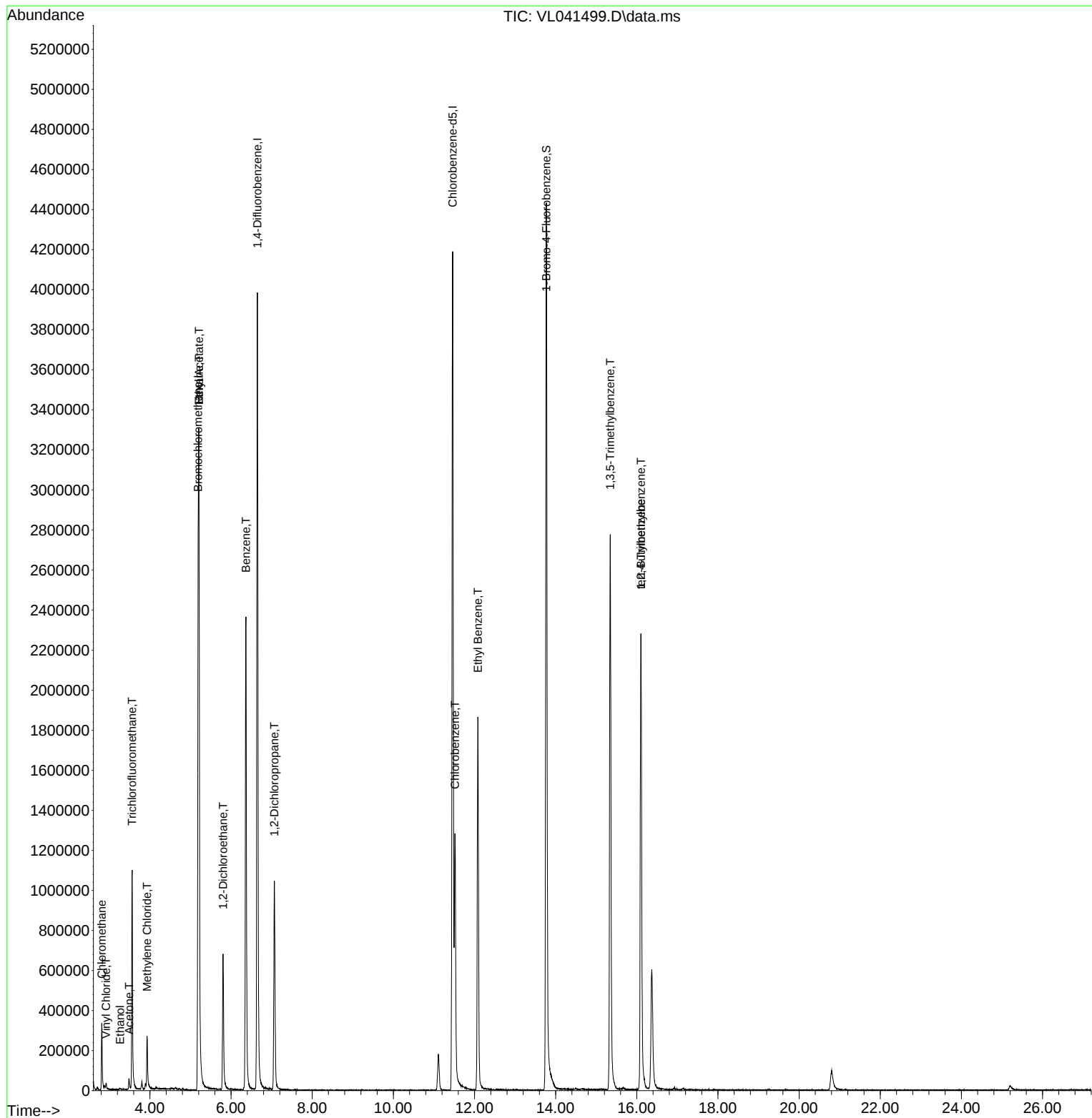
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL080524\
Data File : VL041499.D
Acq On : 5 Aug 2024 13:50
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Sample : P3454-01DL 4X
Misc : 400mL/MSVOA_L
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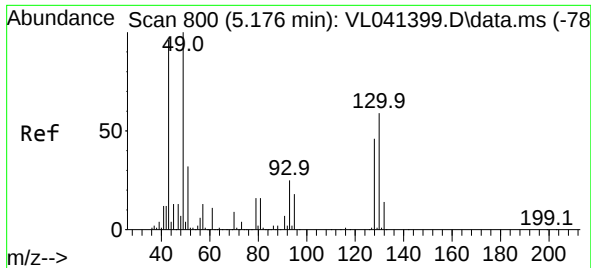
Instrument :
MSVOA_L
ClientSampleId :
E069-1100DL

Quant Time: Aug 06 01:37:31 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL072524AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug
QLast Update : Tue Aug 06 01:32:58 2024
Response via : Initial Calibration

Manual Integrations
APPROVED

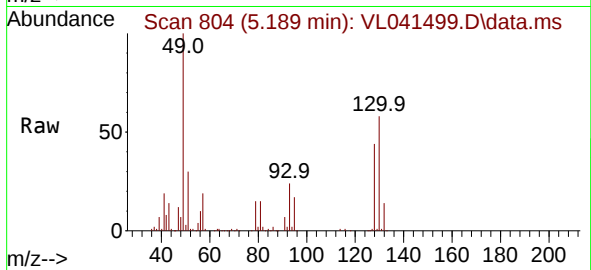
Reviewed By : Mahesh Dadoda 08/09/2024
Supervised By : Semsettin Yesilyurt 08/09/2024





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.189 min Scan# 80
Delta R.T. -0.000 min
Lab File: VL041499.D
Acq: 5 Aug 2024 13:50

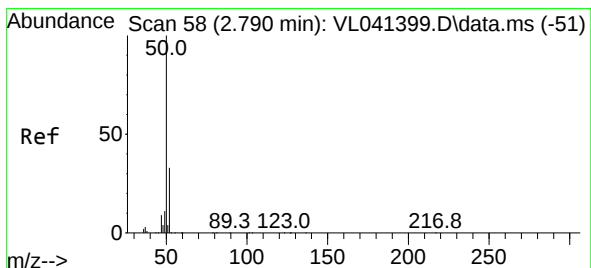
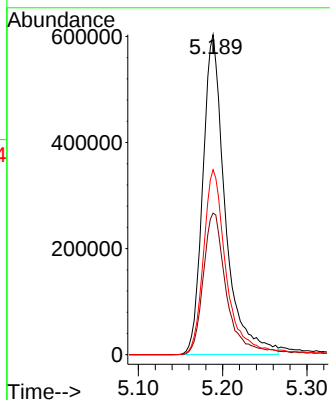
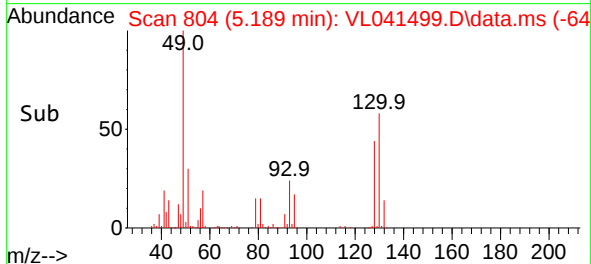
Instrument :
MSVOA_L
ClientSampleId :
E069-1100DL



Tgt Ion: 49 Resp: 1115379
Ion Ratio Lower Upper
49 100
128 46.8 23.8 71.4
130 61.1 30.8 92.4

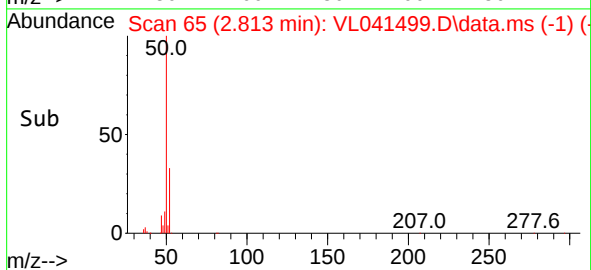
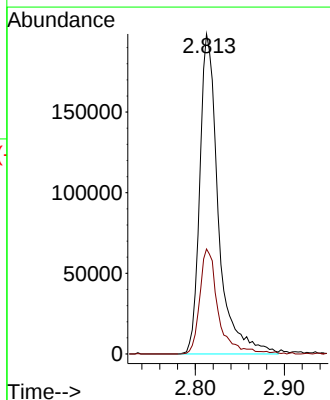
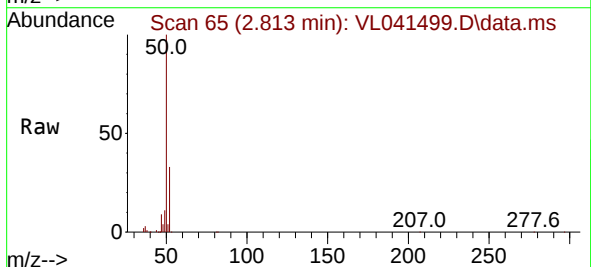
Manual Integrations
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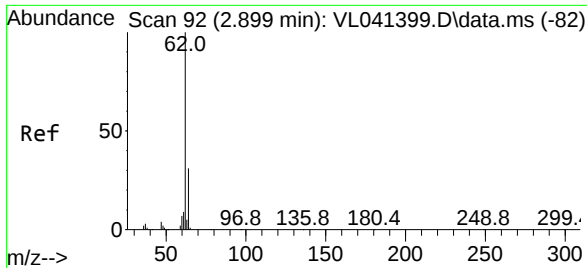
Reviewed By :Mahesh Dadoda 08/09/2024
Supervised By :Semsettin Yesilyurt 08/09/2024



#4
Chloromethane
Concen: 4.068 ppbv
RT: 2.813 min Scan# 65
Delta R.T. -0.003 min
Lab File: VL041499.D
Acq: 5 Aug 2024 13:50

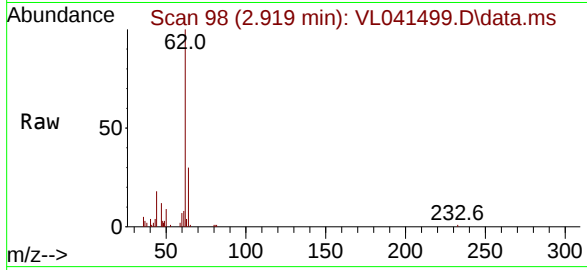
Tgt Ion: 50 Resp: 287317
Ion Ratio Lower Upper
50 100
52 32.8 26.1 39.1





#5
 Vinyl Chloride
 Concen: 0.310 ppbv
 RT: 2.919 min Scan# 91
 Delta R.T. -0.003 min
 Lab File: VL041499.D
 Acq: 5 Aug 2024 13:50

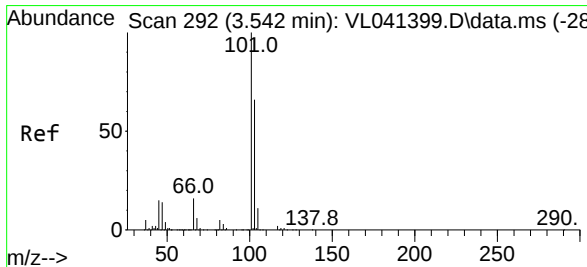
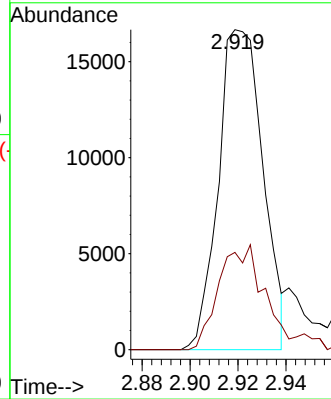
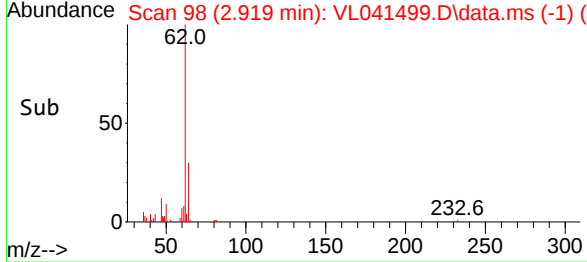
Instrument :
 MSVOA_L
 ClientSampleId :
 E069-1100DL



Tgt Ion: 62 Resp: 2156
 Ion Ratio Lower Upper
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 64 29.3 25.0 37.4

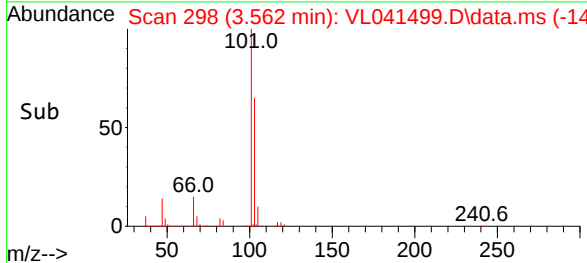
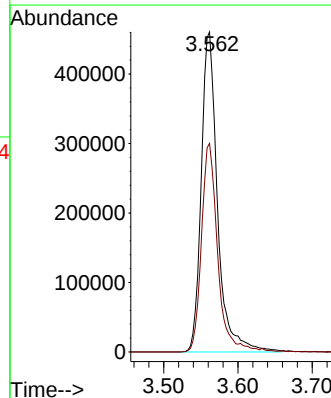
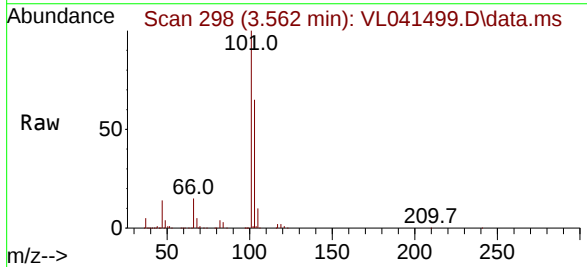
Manual Integrations
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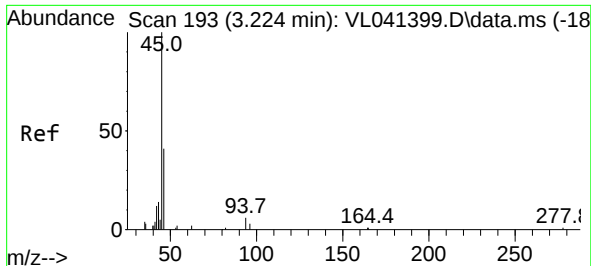
Reviewed By :Mahesh Dadoda 08/09/2024
 Supervised By :Semsettin Yesilyurt 08/09/2024



#11
 Trichlorofluoromethane
 Concen: 4.118 ppbv
 RT: 3.562 min Scan# 298
 Delta R.T. 0.000 min
 Lab File: VL041499.D
 Acq: 5 Aug 2024 13:50

Tgt Ion:101 Resp: 701750
 Ion Ratio Lower Upper
 101 100
 103 65.2 52.6 79.0





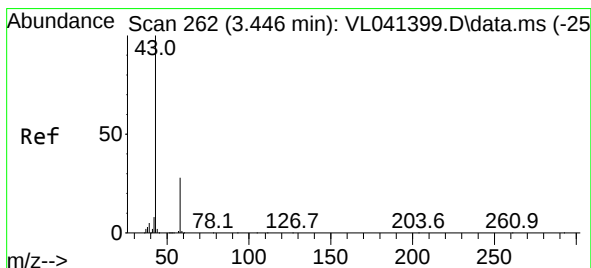
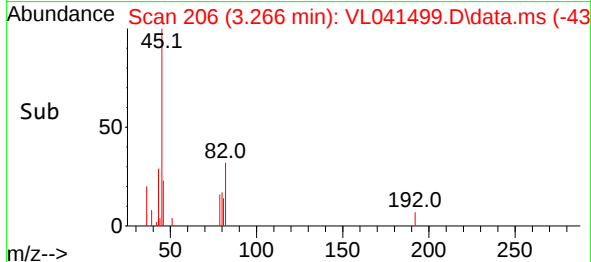
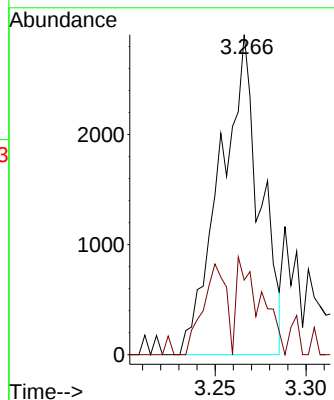
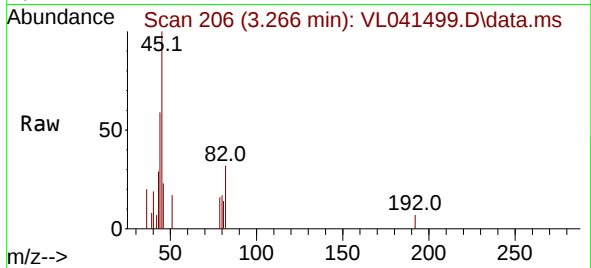
#13
 Ethanol
 Concen: 0.811 ppbv
 RT: 3.266 min Scan# 206
 Delta R.T. 0.023 min
 Lab File: VL041499.D
 Acq: 5 Aug 2024 13:50

Instrument :
 MSVOA_L
 ClientSampleId :
 E069-1100DL

Tgt Ion: 45 Resp: 4419
 Ion Ratio Lower Upper
 45 100
 46 0.0 13.4 53.4

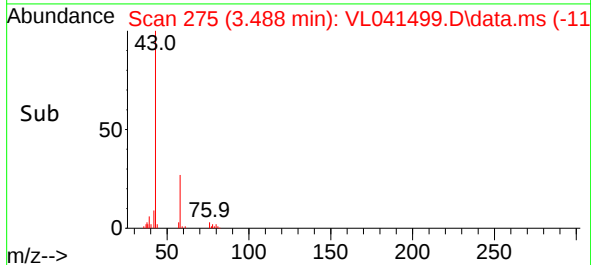
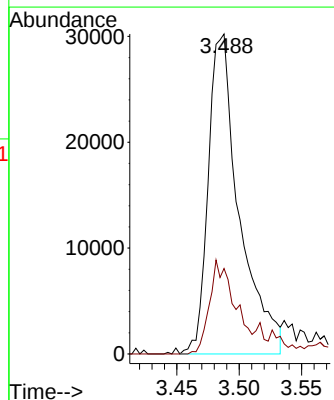
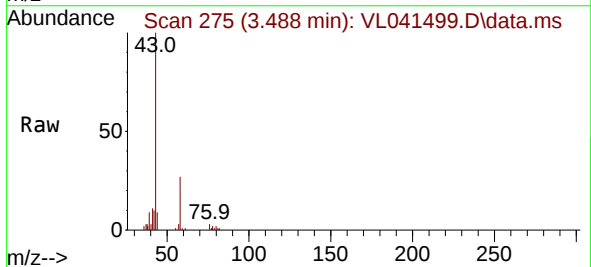
Manual Integrations
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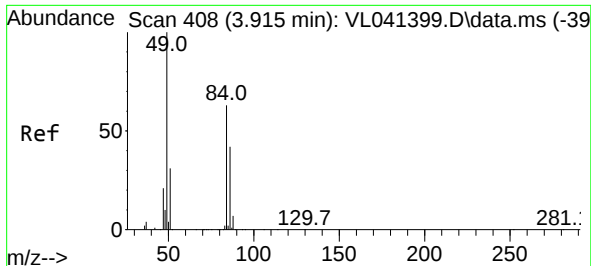
Reviewed By :Mahesh Dadoda 08/09/2024
 Supervised By :Semsettin Yesilyurt 08/09/2024



#15
 Acetone
 Concen: 0.414 ppbv
 RT: 3.488 min Scan# 275
 Delta R.T. 0.019 min
 Lab File: VL041499.D
 Acq: 5 Aug 2024 13:50

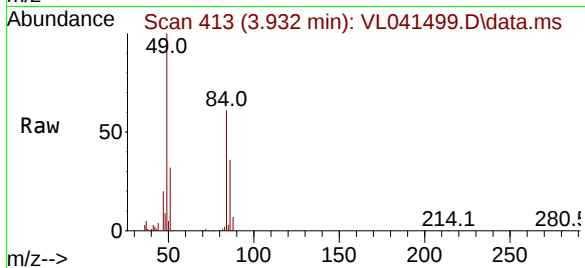
Tgt Ion: 43 Resp: 52404
 Ion Ratio Lower Upper
 43 100
 58 30.1 21.4 32.2





#20
Methylene Chloride
Concen: 1.817 ppbv
RT: 3.932 min Scan# 413
Delta R.T. 0.000 min
Lab File: VL041499.D
Acq: 5 Aug 2024 13:50

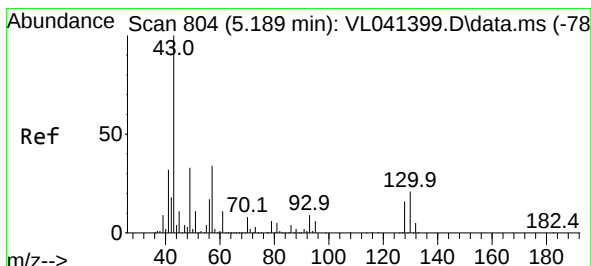
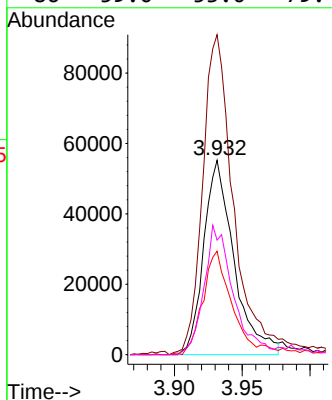
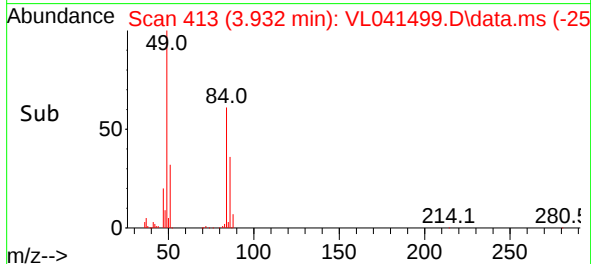
Instrument :
MSVOA_L
ClientSampleId :
E069-1100DL



Tgt Ion: 84 Resp: 85879
Ion Ratio Lower Upper
84 100
49 162.9 126.6 190.0
51 52.5 38.6 58.0
86 59.0 53.0 79.4

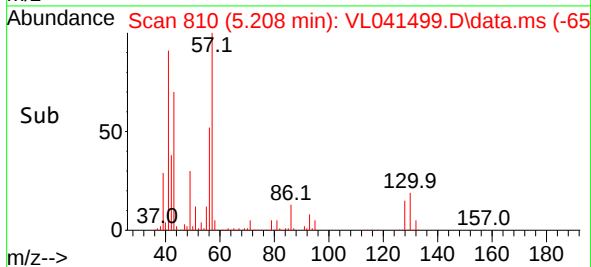
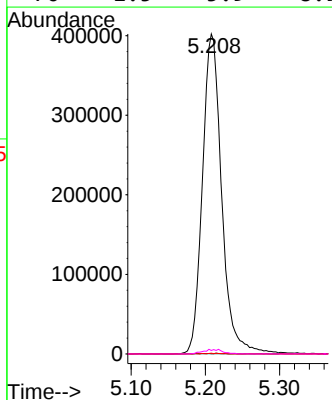
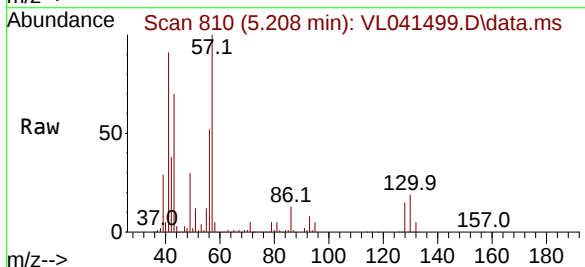
Manual Integrations
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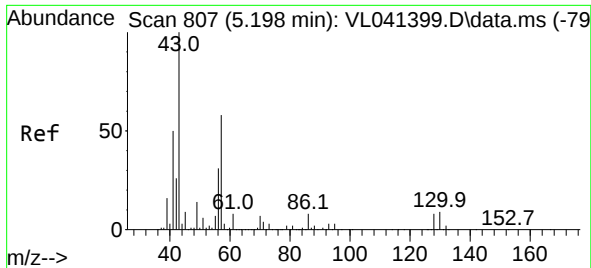
Reviewed By :Mahesh Dadoda 08/09/2024
Supervised By :Semsettin Yesilyurt 08/09/2024



#25
Ethyl Acetate
Concen: 2.867 ppbv
RT: 5.208 min Scan# 810
Delta R.T. 0.007 min
Lab File: VL041499.D
Acq: 5 Aug 2024 13:50

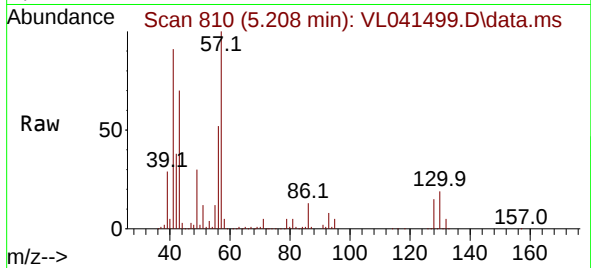
Tgt Ion: 43 Resp: 721934
Ion Ratio Lower Upper
43 100
45 0.2 8.5 12.7#
61 0.2 8.0 12.0#
70 1.5 5.9 8.9#





#26
Hexane
Concen: 9.737 ppbv
RT: 5.208 min Scan# 810
Delta R.T. -0.003 min
Lab File: VL041499.D
Acq: 5 Aug 2024 13:50

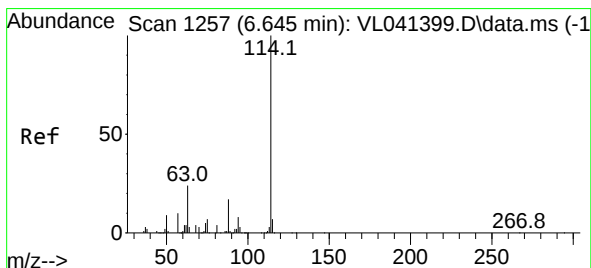
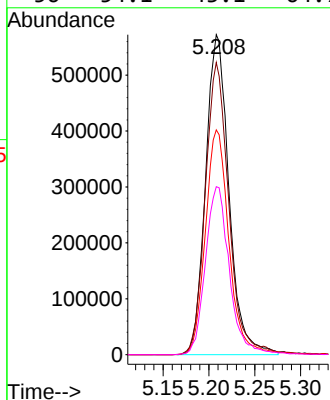
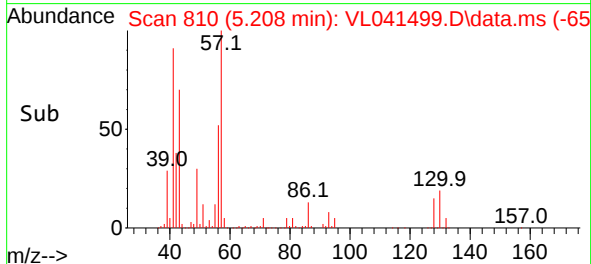
Instrument :
MSVOA_L
ClientSampleId :
E069-1100DL



Tgt Ion: 57 Resp: 1016970
Ion Ratio Lower Upper
57 100
41 92.5 74.0 111.0
43 71.4 193.6 290.4
56 54.1 43.1 64.7

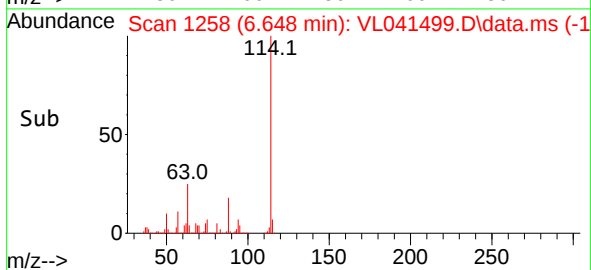
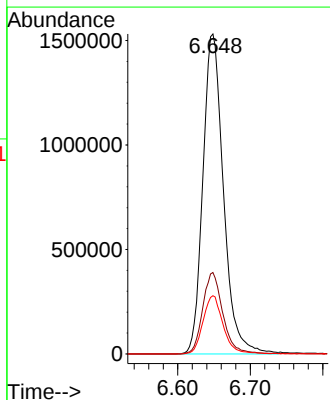
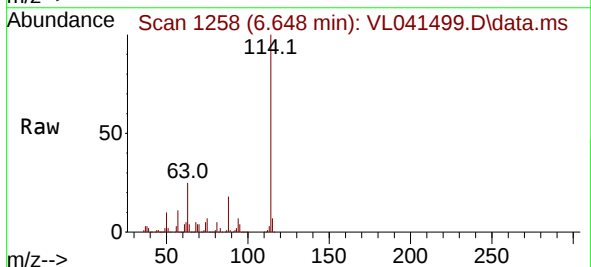
Manual Integrations
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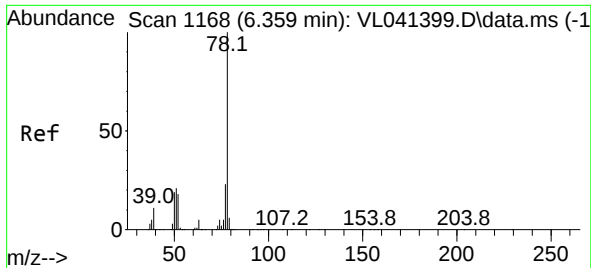
Reviewed By :Mahesh Dadoda 08/09/2024
Supervised By :Semsettin Yesilyurt 08/09/2024



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 6.648 min Scan# 1258
Delta R.T. 0.000 min
Lab File: VL041499.D
Acq: 5 Aug 2024 13:50

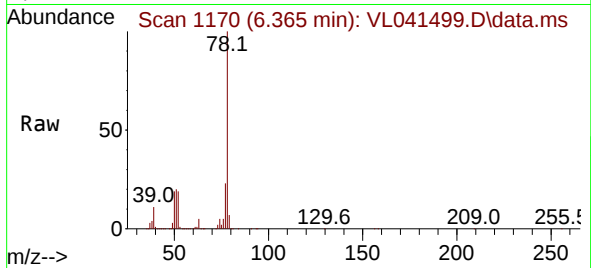
Tgt Ion:114 Resp: 3028020
Ion Ratio Lower Upper
114 100
63 25.1 20.3 30.5
88 17.8 14.3 21.5





#36
Benzene
Concen: 8.806 ppbv
RT: 6.365 min Scan# 1168
Delta R.T. -0.003 min
Lab File: VL041499.D
Acq: 5 Aug 2024 13:50

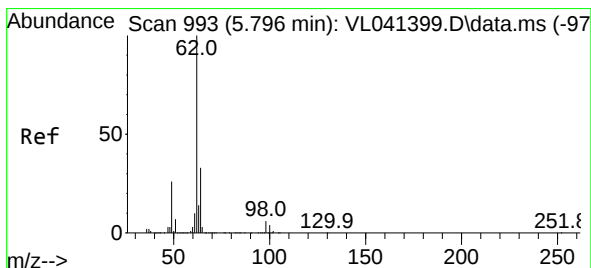
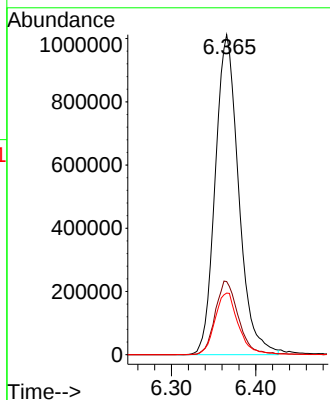
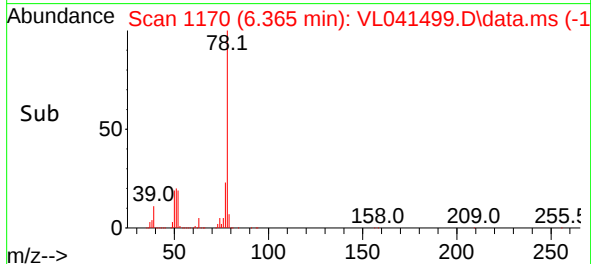
Instrument :
MSVOA_L
ClientSampleId :
E069-1100DL



Tgt Ion: 78 Resp: 1948352
Ion Ratio Lower Upper
78 100
77 22.8 18.1 27.1
50 19.2 15.5 23.3

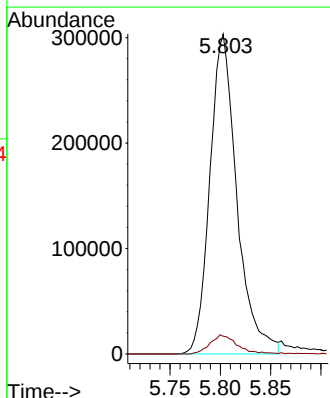
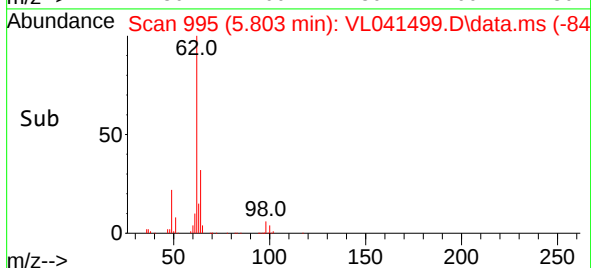
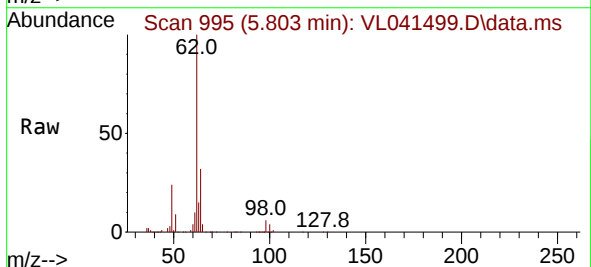
Manual Integrations
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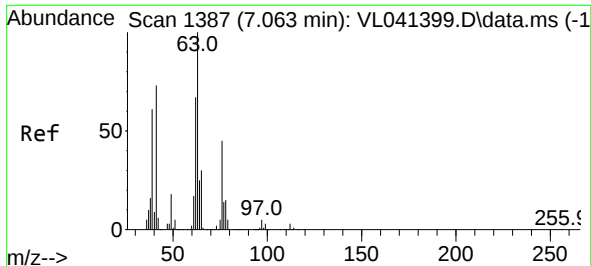
Reviewed By :Mahesh Dadoda 08/09/2024
Supervised By :Semsettin Yesilyurt 08/09/2024



#37
1,2-Dichloroethane
Concen: 4.574 ppbv
RT: 5.803 min Scan# 995
Delta R.T. -0.003 min
Lab File: VL041499.D
Acq: 5 Aug 2024 13:50

Tgt Ion: 62 Resp: 566439
Ion Ratio Lower Upper
62 100
98 6.0 5.0 7.4





#39

1,2-Dichloropropane

Concen: 4.418 ppbv

RT: 7.066 min Scan# 11

Delta R.T. -0.003 min

Lab File: VL041499.D

Acq: 5 Aug 2024 13:50

Instrument :

MSVOA_L

ClientSampleId :

E069-1100DL

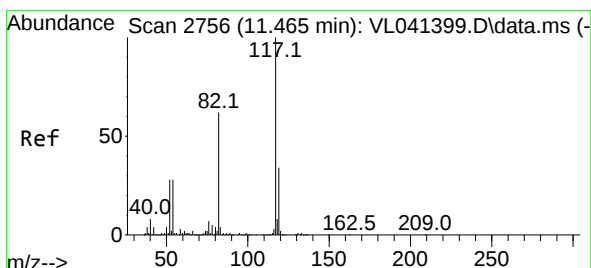
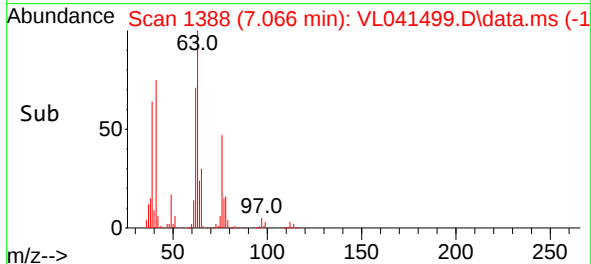
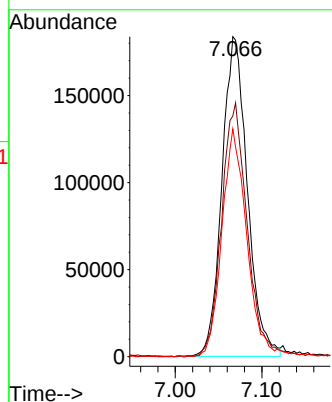
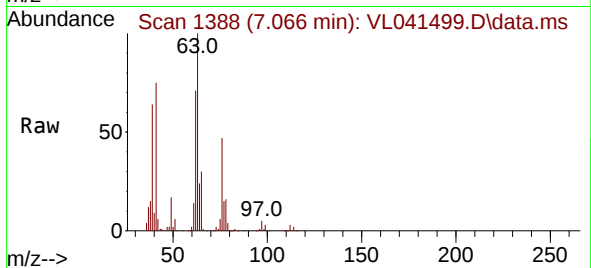
Tgt Ion: 63 Resp: 374234

Ion	Ratio	Lower	Upper
63	100		
41	75.0	58.3	87.5
62	71.0	53.9	80.9

Manual Integrations

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



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 11.462 min Scan# 2755

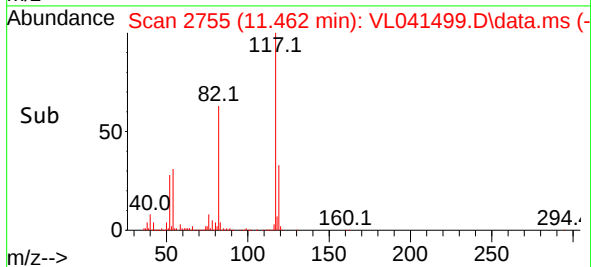
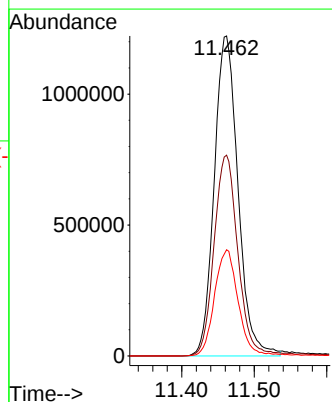
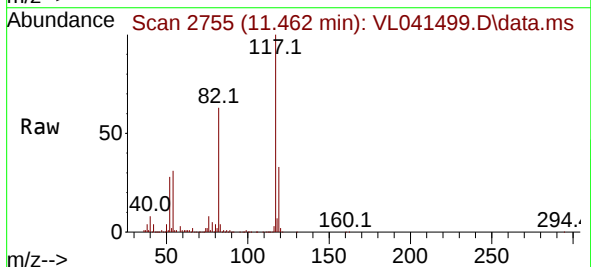
Delta R.T. 0.000 min

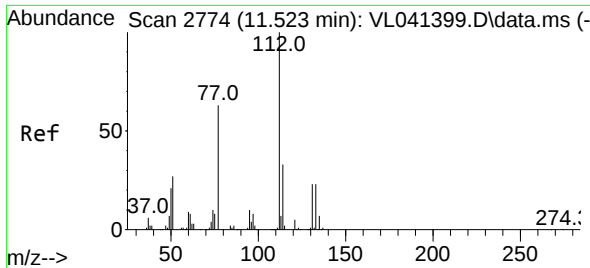
Lab File: VL041499.D

Acq: 5 Aug 2024 13:50

Tgt Ion:117 Resp: 2787787

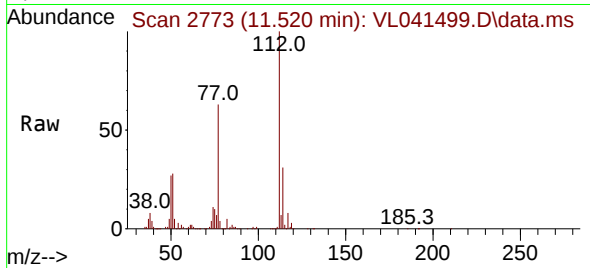
Ion	Ratio	Lower	Upper
117	100		
82	64.2	51.0	76.6
119	33.5	45.2	67.8





#57
Chlorobenzene
Concen: 3.918 ppbv
RT: 11.520 min Scan# 2773
Delta R.T. 0.000 min
Lab File: VL041499.D
Acq: 5 Aug 2024 13:50

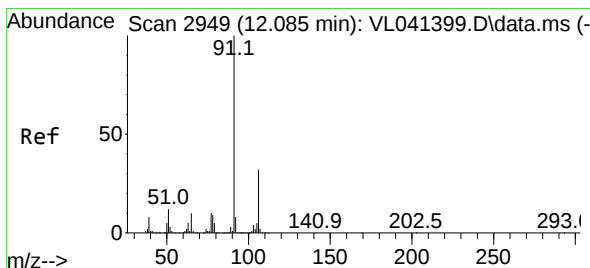
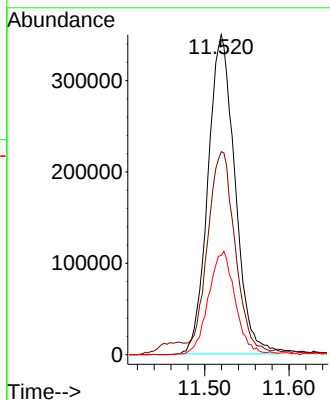
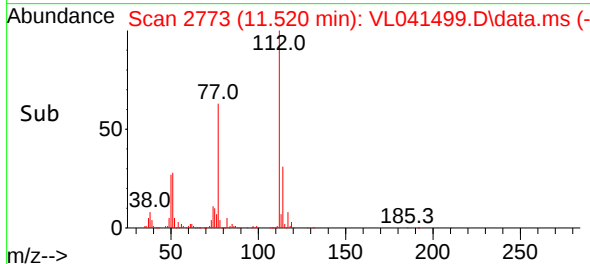
Instrument :
MSVOA_L
ClientSampleId :
E069-1100DL



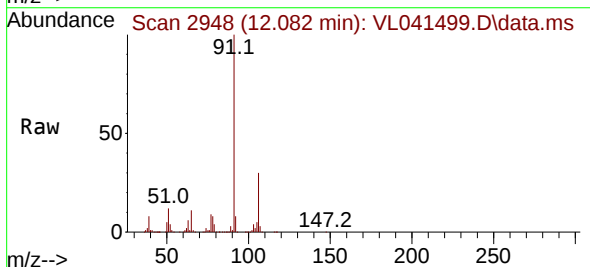
Tgt Ion:112 Resp: 777739
Ion Ratio Lower Upper
112 100
77 62.4 51.1 76.7
114 30.9 29.5 36.1

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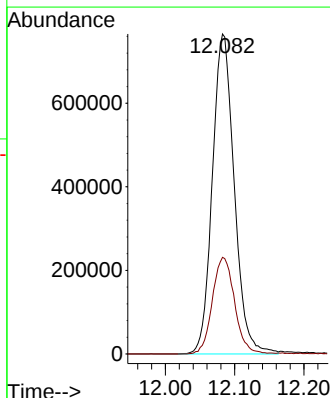
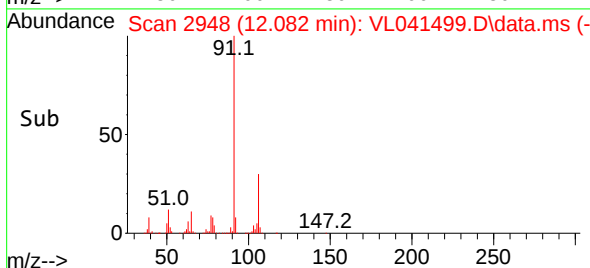
Reviewed By :Mahesh Dadoda 08/09/2024
Supervised By :Semsettin Yesilyurt 08/09/2024

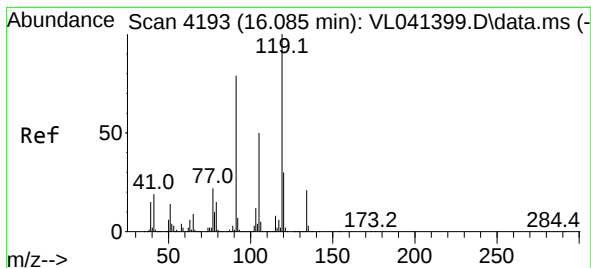


#58
Ethyl Benzene
Concen: 5.230 ppbv
RT: 12.082 min Scan# 2948
Delta R.T. -0.003 min
Lab File: VL041499.D
Acq: 5 Aug 2024 13:50



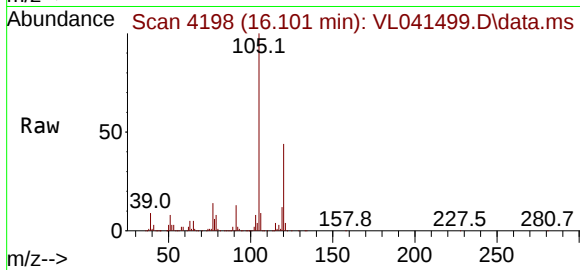
Tgt Ion: 91 Resp: 1680650
Ion Ratio Lower Upper
91 100
106 30.2 25.8 38.8





#65
tert-Butylbenzene
Concen: 0.591 ppbv
RT: 16.101 min Scan# 4198
Delta R.T. 0.019 min
Lab File: VL041499.D
Acq: 5 Aug 2024 13:50

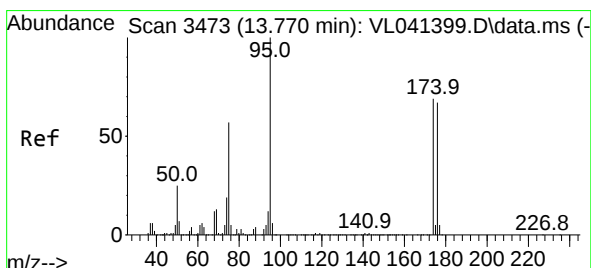
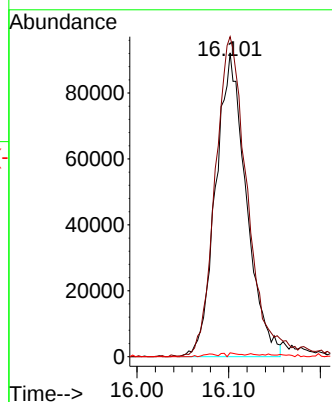
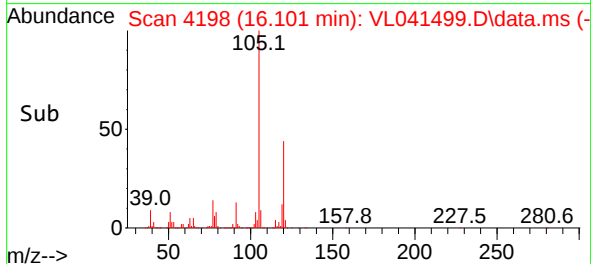
Instrument :
MSVOA_L
ClientSampleId :
E069-1100DL



Tgt Ion: 119 Resp: 213018
Ion Ratio Lower Upper
119 100
91 113.2 64.2 96.2
134 1.8 15.7 23.5

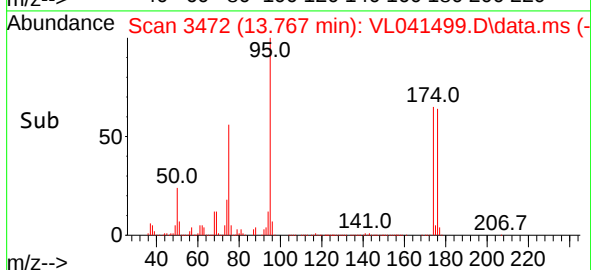
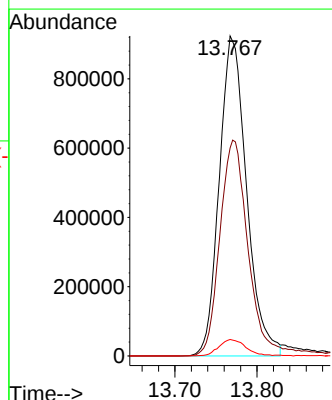
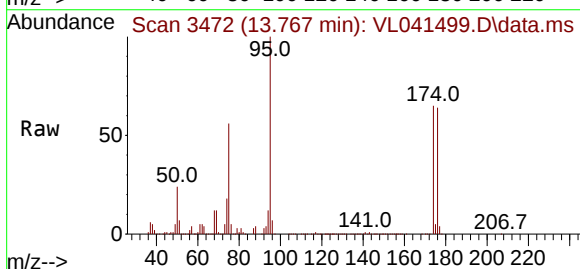
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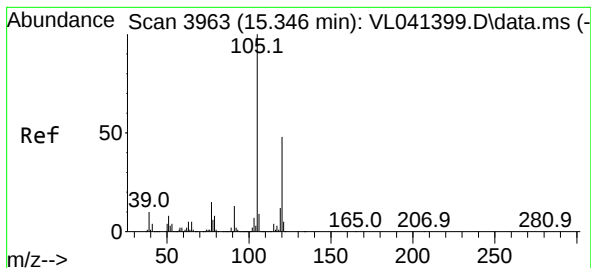
Reviewed By :Mahesh Dadoda 08/09/2024
Supervised By :Semsettin Yesilyurt 08/09/2024



#68
1-Bromo-4-Fluorobenzene
Concen: 9.971 ppbv
RT: 13.767 min Scan# 3472
Delta R.T. 0.000 min
Lab File: VL041499.D
Acq: 5 Aug 2024 13:50

Tgt Ion: 95 Resp: 2139112
Ion Ratio Lower Upper
95 100
174 72.1 56.3 84.5
175 5.2 4.0 6.0





#73

1,3,5-Trimethylbenzene

Concen: 8.385 ppbv

RT: 15.346 min Scan# 3963

Delta R.T. 0.000 min

Lab File: VL041499.D

Acq: 5 Aug 2024 13:50

Instrument :

MSVOA_L

ClientSampleId :

E069-1100DL

Tgt Ion:105 Resp: 2231410

Ion Ratio Lower Upper

105 100

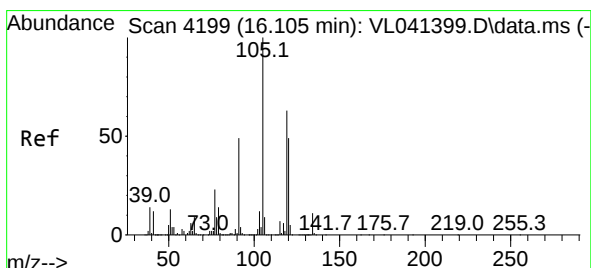
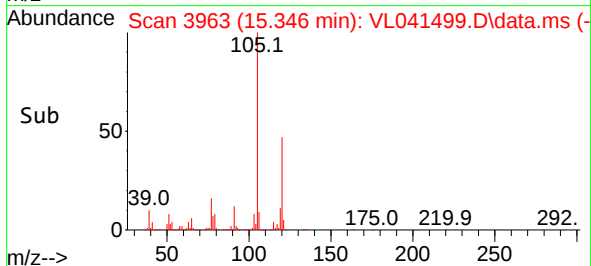
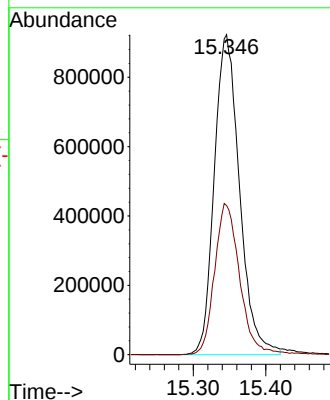
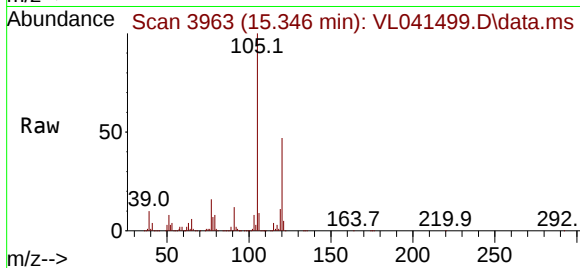
120 46.6 38.6 57.8

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 08/09/2024

Supervised By :Semsettin Yesilyurt 08/09/2024



#74

1,2,4-Trimethylbenzene

Concen: 6.315 ppbv

RT: 16.101 min Scan# 4198

Delta R.T. 0.000 min

Lab File: VL041499.D

Acq: 5 Aug 2024 13:50

Tgt Ion:105 Resp: 1954023

Ion Ratio Lower Upper

105 100

120 43.5 39.5 59.3

91 12.6 39.8 59.8#

77 14.3 18.2 27.4#

