

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL061124\
 Data File : VL041346.D
 Acq On : 11 Jun 2024 14:17
 Operator : SY/MD
 Sample : P2837-03
 Misc : 400mL/MSVOA_L
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 OA1

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 06/12/2024
 Supervised By :Mahesh Dadoda 06/12/2024

Quant Time: Jun 12 01:23:37 2024

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL060424AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 2

QLast Update : Wed Jun 12 01:18:29 2024

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.208	49	1095932	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.664	114	2861996	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.471	117	2573608	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.783	95	1909697	9.611	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	96.100%
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.758	85	50163	0.287	ppbv	94
3) Chlorodifluoromethane	2.706	51	47949m	0.277	ppbv	
4) Chloromethane	2.841	50	36903	0.566	ppbv	99
9) Propene	2.732	41	32683	0.530	ppbv	83
11) Trichlorofluoromethane	3.584	101	35265	0.219	ppbv	96
13) Ethanol	3.272	45	139648	8.701	ppbv	99
15) Acetone	3.491	43	987867	7.895	ppbv	99
20) Methylene Chloride	3.954	84	1205807	26.513	ppbv	98
26) Hexane	5.227	57	1743685	15.664	ppbv #	40
34) 2-Butanone	4.819	43	33125	0.242	ppbv	91
35) Carbon Tetrachloride	6.507	117	10278m	0.063	ppbv	
36) Benzene	6.381	78	37777	0.170	ppbv #	91
38) Trichloroethene	7.311	130	3662m	0.041	ppbv	
44) 2,2,4-Trimethylpentane	7.340	57	51042	0.134	ppbv #	83
52) Tetrachloroethene	10.613	164	3899m	0.048	ppbv	
53) Toluene	9.227	91	94798m	0.372	ppbv	
59) m/p-Xylene	12.346	91	42787m	0.151	ppbv	

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

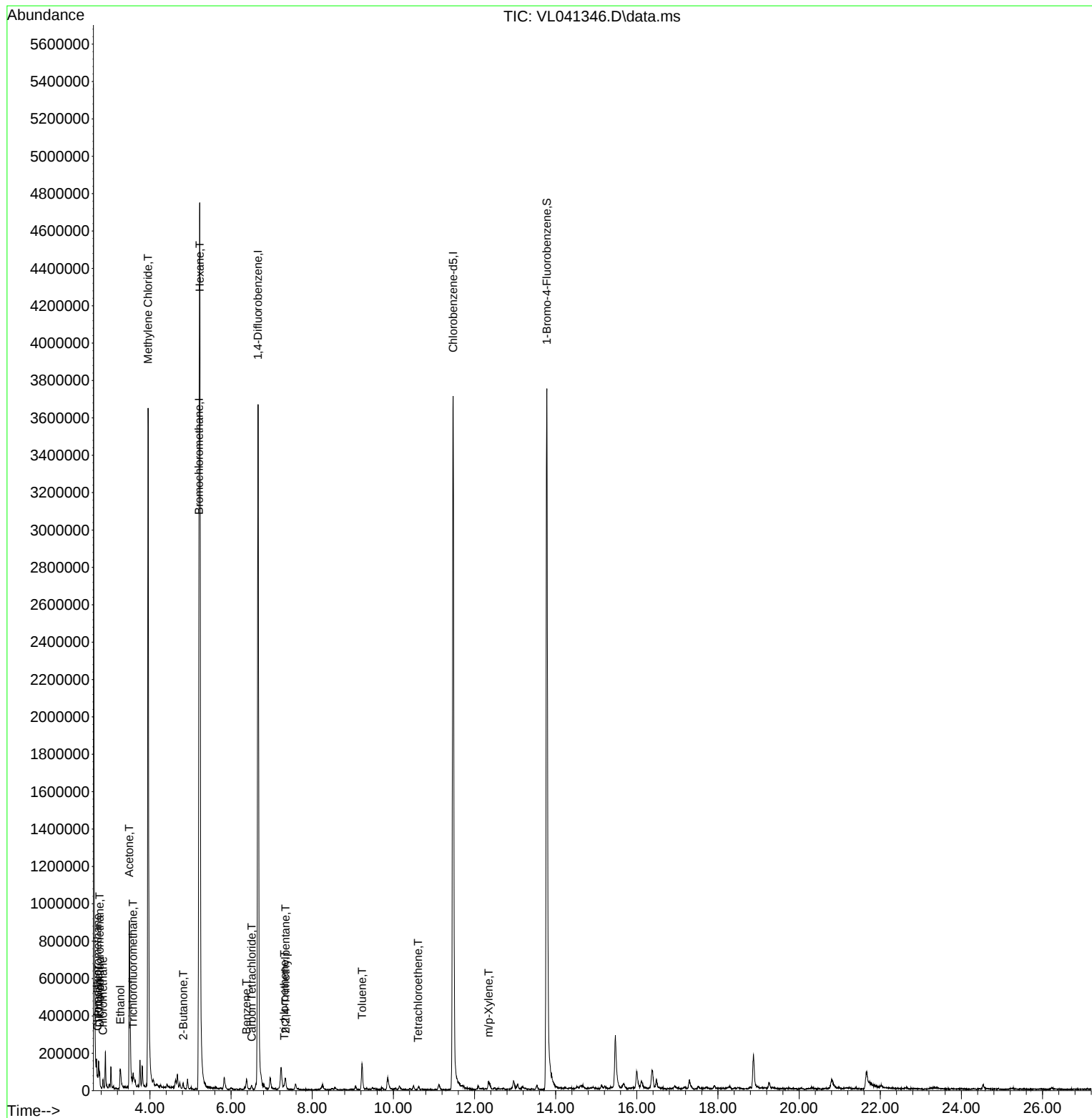
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL061124\
Data File : VL041346.D
Acq On : 11 Jun 2024 14:17
Operator : SY/MD
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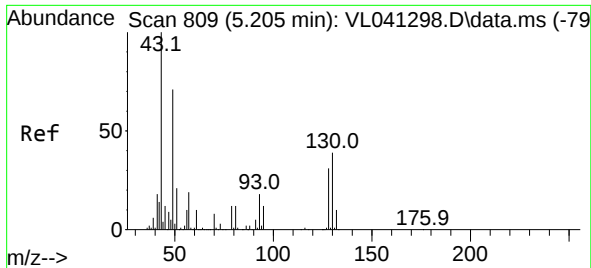
Instrument :
MSVOA_L
ClientSampleId :
OA1

Quant Time: Jun 12 01:23:37 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL060424AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug
QLast Update : Wed Jun 12 01:18:29 2024
Response via : Initial Calibration

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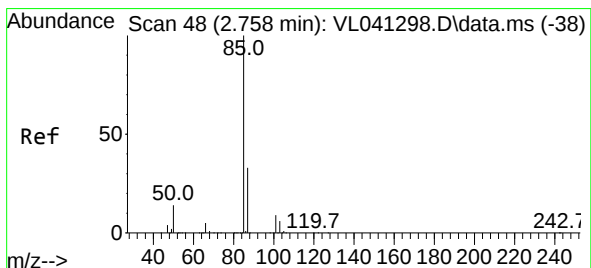
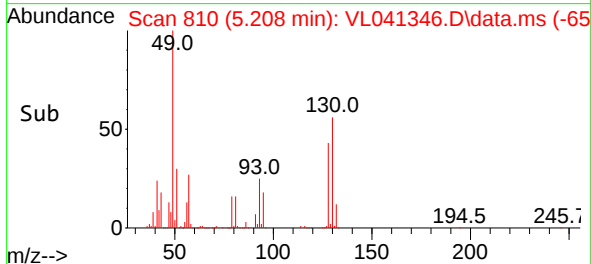
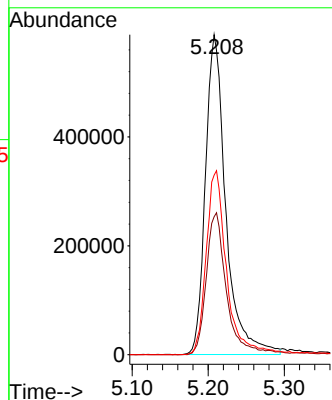
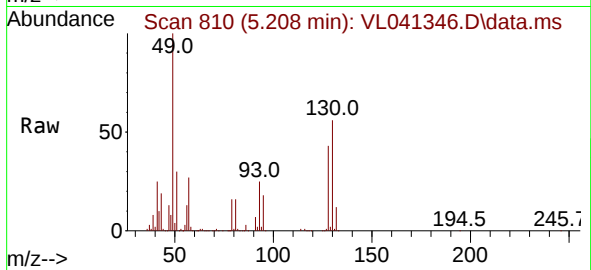
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.208 min Scan# 81
Delta R.T. -0.003 min
Lab File: VL041346.D
Acq: 11 Jun 2024 14:17

Instrument :
MSVOA_L
ClientSampleId :
OA1

Tgt Ion: 49 Resp: 109593
Ion Ratio Lower Upper
49 100
128 45.7 22.8 68.3
130 59.0 28.4 85.3

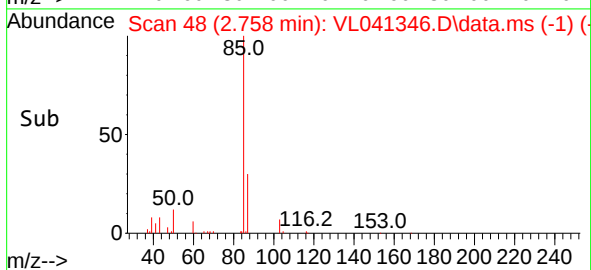
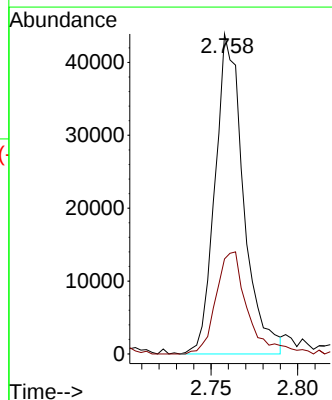
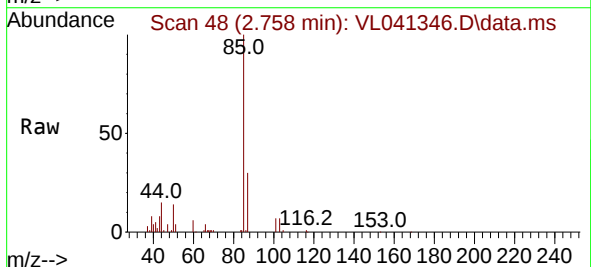
Manual Integrations
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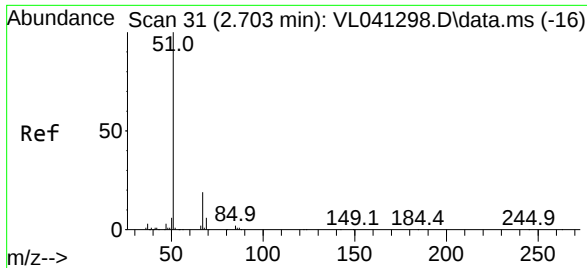
Reviewed By :Semsettin Yesilyurt 06/12/2024
Supervised By :Mahesh Dadoda 06/12/2024



#2
Dichlorodifluoromethane
Concen: 0.287 ppbv
RT: 2.758 min Scan# 48
Delta R.T. -0.003 min
Lab File: VL041346.D
Acq: 11 Jun 2024 14:17

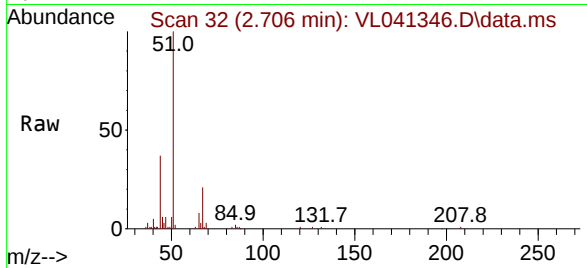
Tgt Ion: 85 Resp: 50163
Ion Ratio Lower Upper
85 100
87 29.7 26.5 39.7





#3
Chlorodifluoromethane
Concen: 0.277 ppbv m
RT: 2.706 min Scan# 31
Delta R.T. 0.000 min
Lab File: VL041346.D
Acq: 11 Jun 2024 14:17

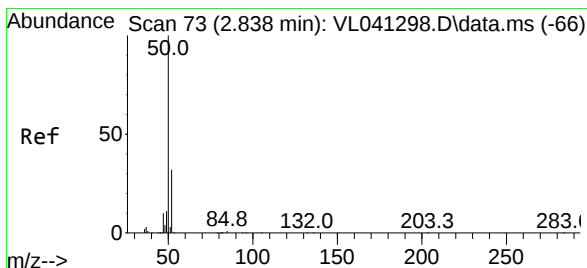
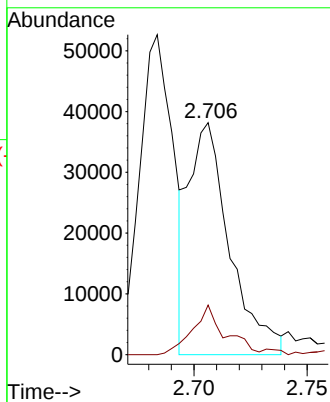
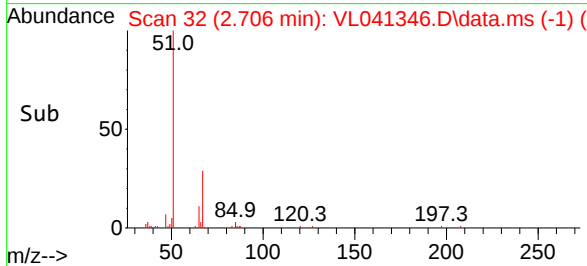
Instrument :
MSVOA_L
ClientSampleId :
OA1



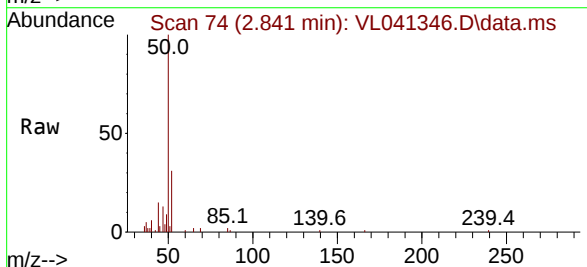
Tgt Ion: 51 Resp: 47949
Ion Ratio Lower Upper
51 100
67 17.9 14.7 22.1

Manual Integrations
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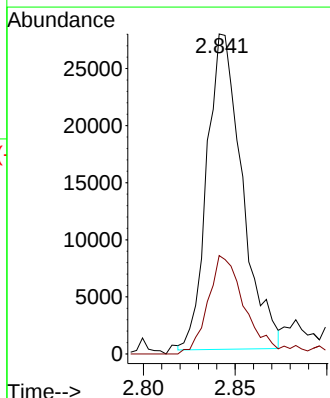
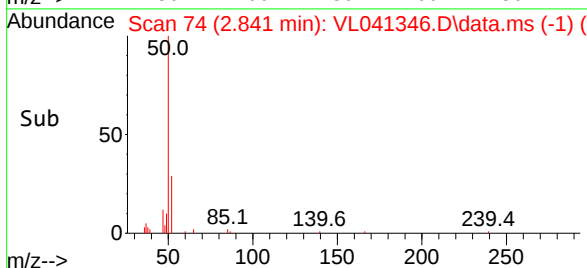
Reviewed By :Semsettin Yesilyurt 06/12/2024
Supervised By :Mahesh Dadoda 06/12/2024

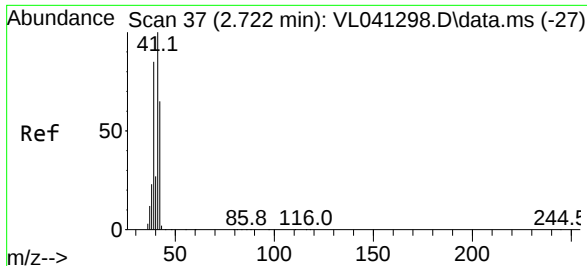


#4
Chloromethane
Concen: 0.566 ppbv
RT: 2.841 min Scan# 74
Delta R.T. -0.003 min
Lab File: VL041346.D
Acq: 11 Jun 2024 14:17



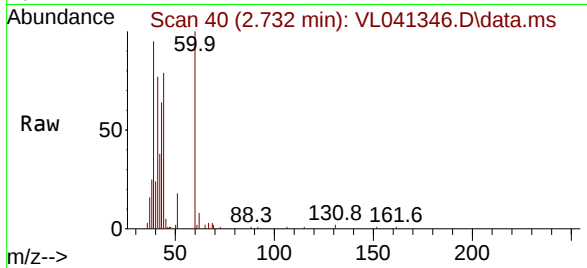
Tgt Ion: 50 Resp: 36903
Ion Ratio Lower Upper
50 100
52 31.6 25.6 38.4





#9
 Propene
 Concen: 0.530 ppbv
 RT: 2.732 min Scan# 40
 Delta R.T. 0.006 min
 Lab File: VL041346.D
 Acq: 11 Jun 2024 14:17

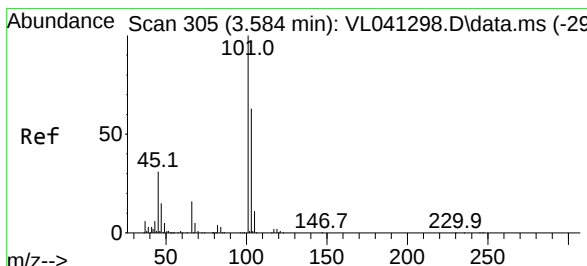
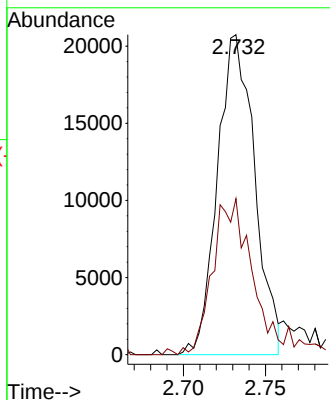
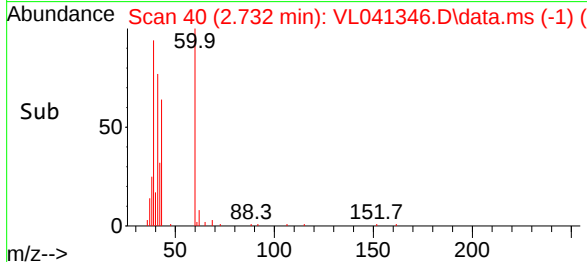
Instrument :
 MSVOA_L
 ClientSampleId :
 OA1



Tgt Ion: 41 Resp: 3268
 Ion Ratio Lower Upper
 41 100
 42 55.3 55.2 82.8

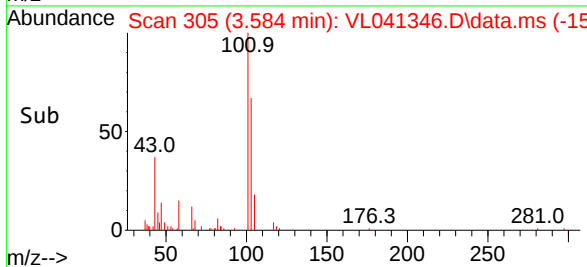
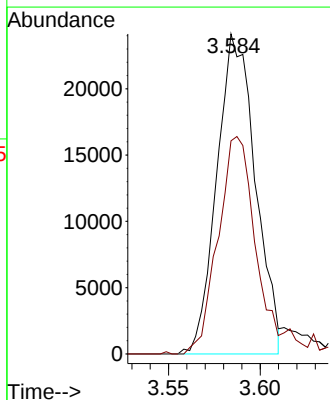
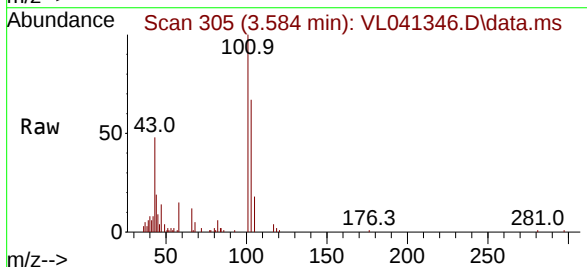
Manual Integrations
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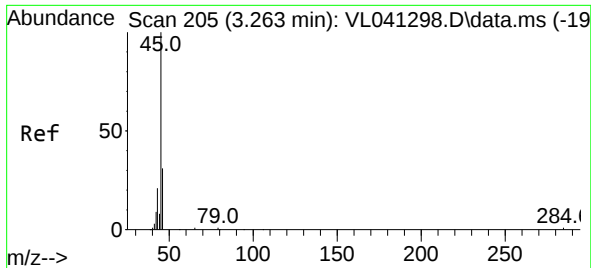
Reviewed By :Semsettin Yesilyurt 06/12/2024
 Supervised By :Mahesh Dadoda 06/12/2024



#11
 Trichlorofluoromethane
 Concen: 0.219 ppbv
 RT: 3.584 min Scan# 305
 Delta R.T. -0.003 min
 Lab File: VL041346.D
 Acq: 11 Jun 2024 14:17

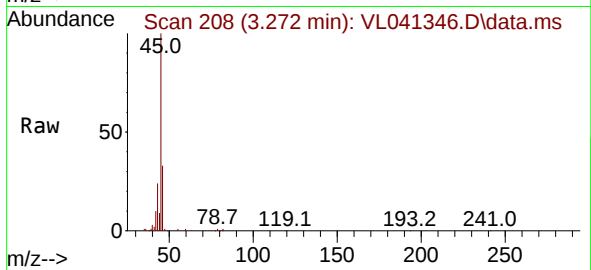
Tgt Ion:101 Resp: 35265
 Ion Ratio Lower Upper
 101 100
 103 66.6 50.6 76.0





#13
Ethanol
Concen: 8.701 ppbv
RT: 3.272 min Scan# 208
Delta R.T. 0.003 min
Lab File: VL041346.D
Acq: 11 Jun 2024 14:17

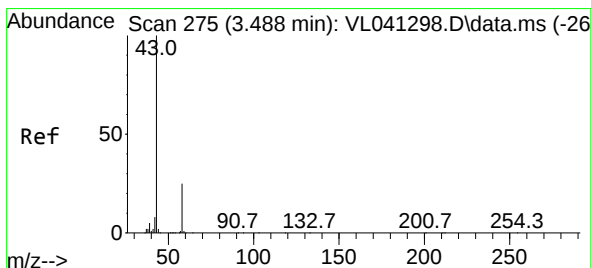
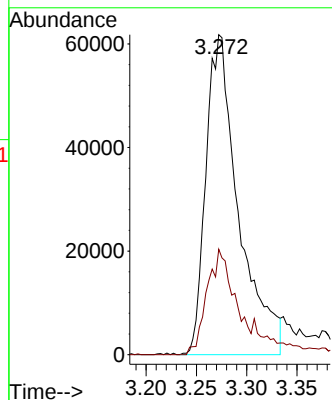
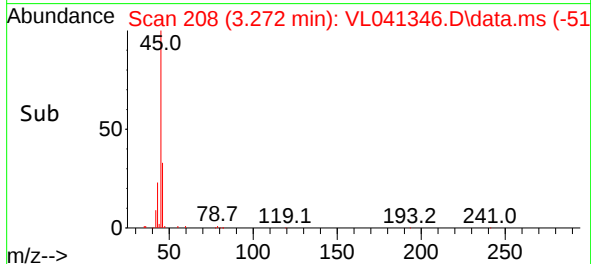
Instrument :
MSVOA_L
ClientSampleId :
OA1



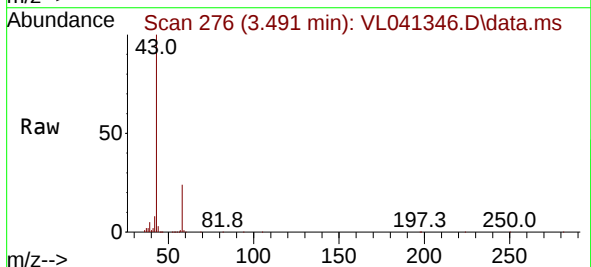
Tgt Ion: 45 Resp: 139648
Ion Ratio Lower Upper
45 100
46 34.5 14.2 56.6

Manual Integrations
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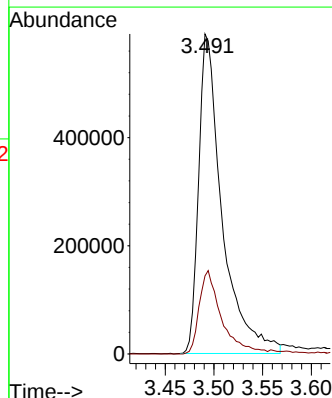
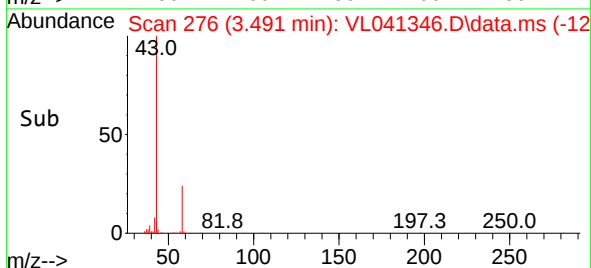
Reviewed By :Semsettin Yesilyurt 06/12/2024
Supervised By :Mahesh Dadoda 06/12/2024

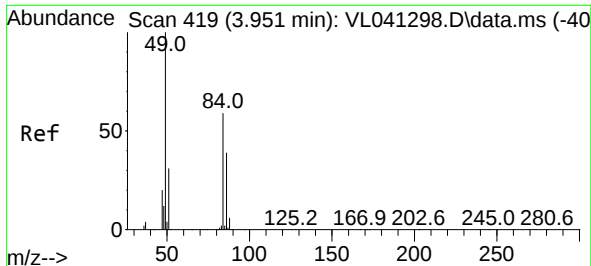


#15
Acetone
Concen: 7.895 ppbv
RT: 3.491 min Scan# 276
Delta R.T. -0.003 min
Lab File: VL041346.D
Acq: 11 Jun 2024 14:17



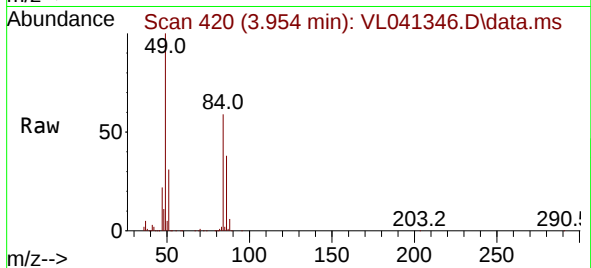
Tgt Ion: 43 Resp: 987867
Ion Ratio Lower Upper
43 100
58 26.4 20.6 31.0





#20
Methylene Chloride
Concen: 26.513 ppbv
RT: 3.954 min Scan# 419
Delta R.T. 0.000 min
Lab File: VL041346.D
Acq: 11 Jun 2024 14:17

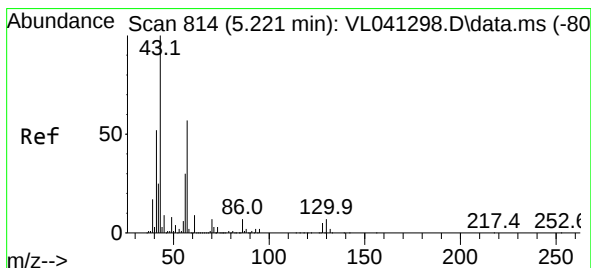
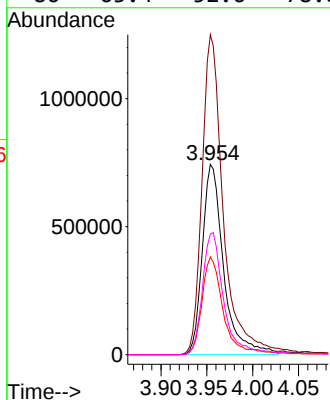
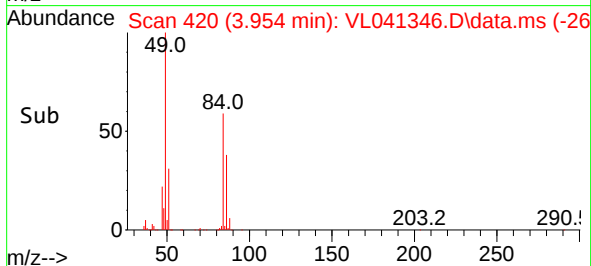
Instrument :
MSVOA_L
ClientSampleId :
OA1



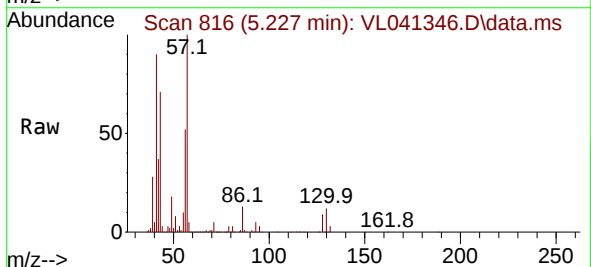
Tgt Ion: 84 Resp: 1205807
Ion Ratio Lower Upper
84 100
49 168.2 136.2 204.2
51 51.4 41.9 62.9
86 63.4 52.6 78.8

Manual Integrations
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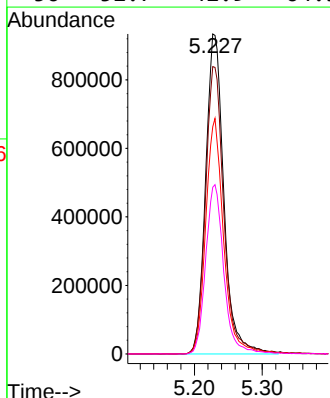
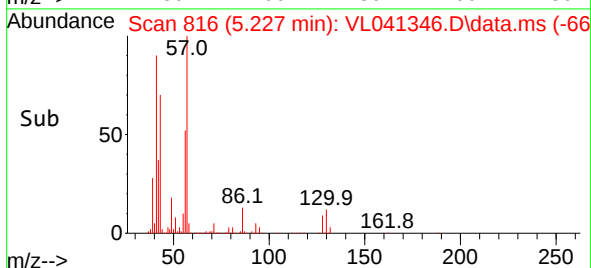
Reviewed By :Semsettin Yesilyurt 06/12/2024
Supervised By :Mahesh Dadoda 06/12/2024

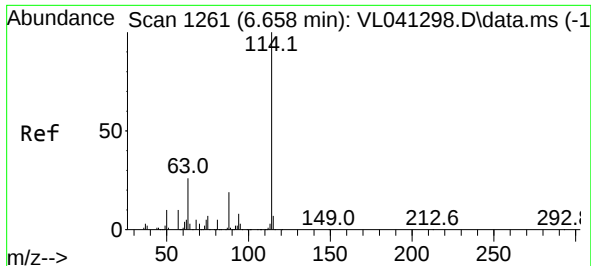


#26
Hexane
Concen: 15.664 ppbv
RT: 5.227 min Scan# 816
Delta R.T. -0.003 min
Lab File: VL041346.D
Acq: 11 Jun 2024 14:17



Tgt Ion: 57 Resp: 1743685
Ion Ratio Lower Upper
57 100
41 91.4 77.1 115.7
43 72.7 186.1 279.1#
56 52.7 42.9 64.3





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.664 min Scan# 1

Delta R.T. -0.003 min

Lab File: VL041346.D

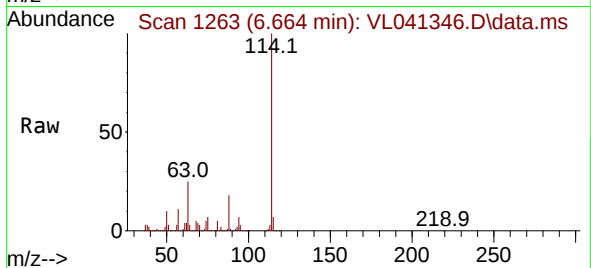
Acq: 11 Jun 2024 14:17

Instrument :

MSVOA_L

ClientSampleId :

OA1



Tgt Ion:114 Resp: 286199

Ion Ratio Lower Upper

114 100

63 25.2 20.6 30.8

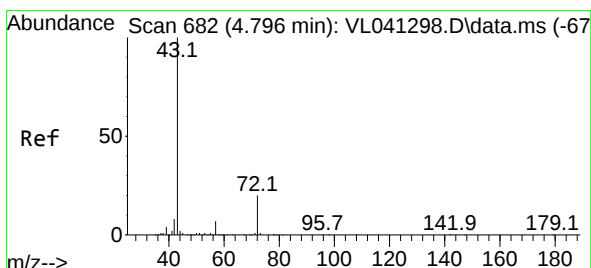
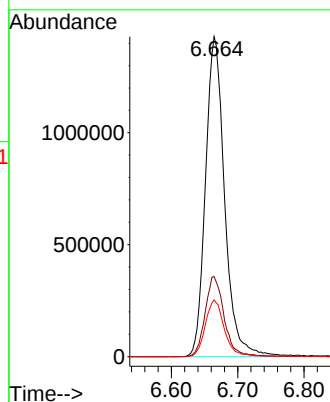
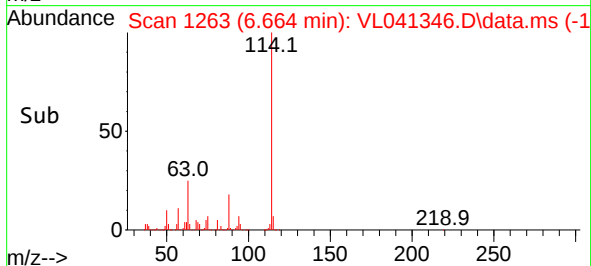
88 17.8 14.5 21.7

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 06/12/2024

Supervised By :Mahesh Dadoda 06/12/2024



#34

2-Butanone

Concen: 0.242 ppbv

RT: 4.819 min Scan# 689

Delta R.T. 0.016 min

Lab File: VL041346.D

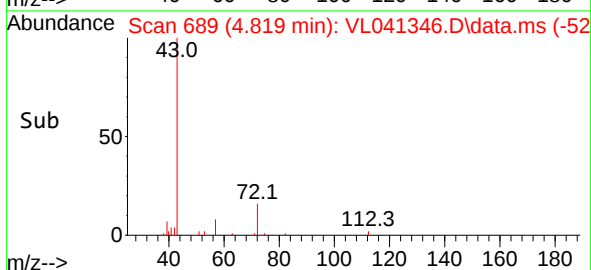
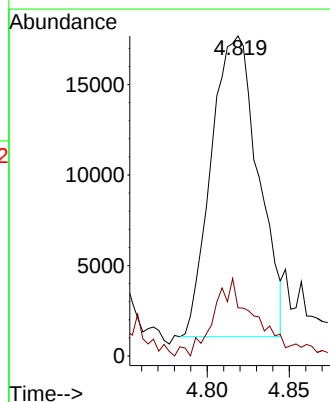
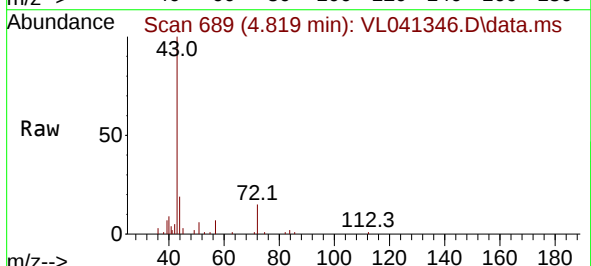
Acq: 11 Jun 2024 14:17

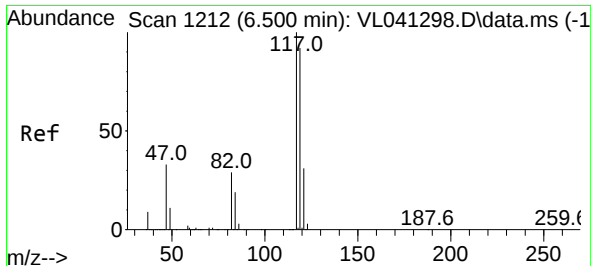
Tgt Ion: 43 Resp: 33125

Ion Ratio Lower Upper

43 100

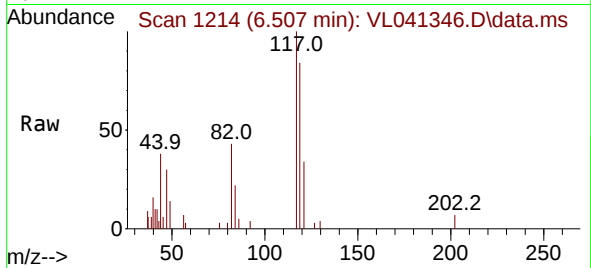
72 26.0 17.4 26.0





#35
Carbon Tetrachloride
Concen: 0.063 ppbv
RT: 6.507 min Scan# 1174
Delta R.T. -0.003 min
Lab File: VL041346.D
Acq: 11 Jun 2024 14:17

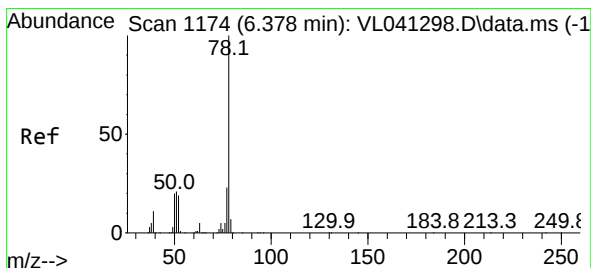
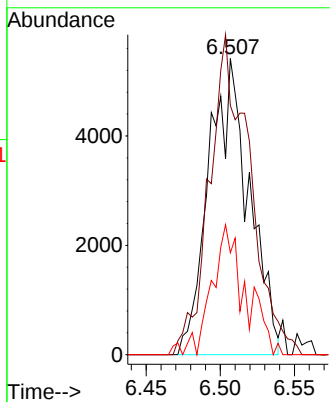
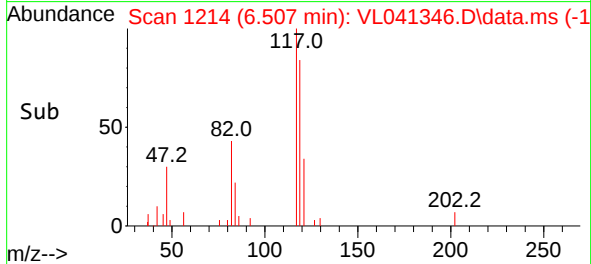
Instrument :
MSVOA_L
ClientSampleId :
OA1



Tgt Ion: 117 Resp: 10278
Ion Ratio Lower Upper
117 100
119 84.1 74.0 111.0
121 34.4 24.8 37.2

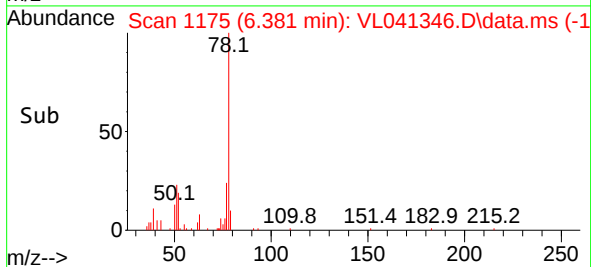
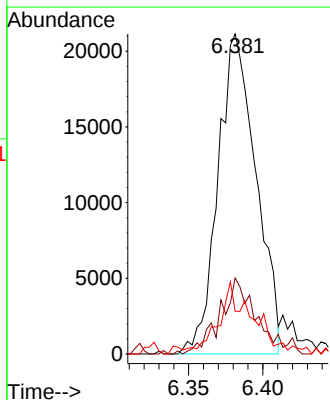
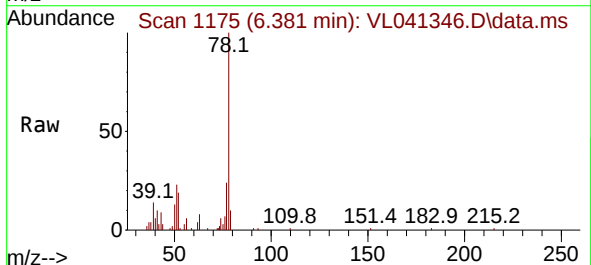
Manual Integrations
APPROVED

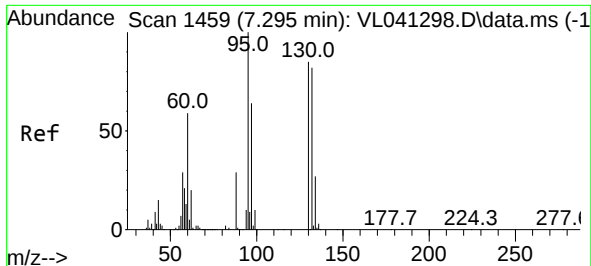
Reviewed By :Semsettin Yesilyurt 06/12/2024
Supervised By :Mahesh Dadoda 06/12/2024



#36
Benzene
Concen: 0.170 ppbv
RT: 6.381 min Scan# 1175
Delta R.T. -0.003 min
Lab File: VL041346.D
Acq: 11 Jun 2024 14:17

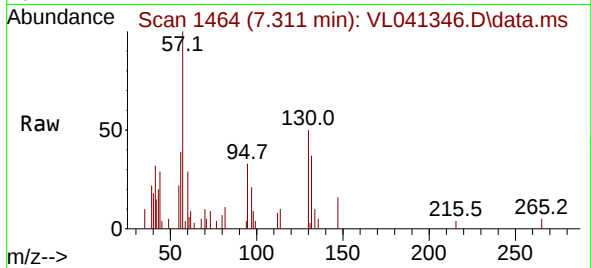
Tgt Ion: 78 Resp: 37777
Ion Ratio Lower Upper
78 100
77 22.8 18.6 28.0
50 11.2 16.0 24.0#





#38
 Trichloroethene
 Concen: 0.041 ppbv m
 RT: 7.311 min Scan# 1459
 Delta R.T. 0.006 min
 Lab File: VL041346.D
 Acq: 11 Jun 2024 14:17

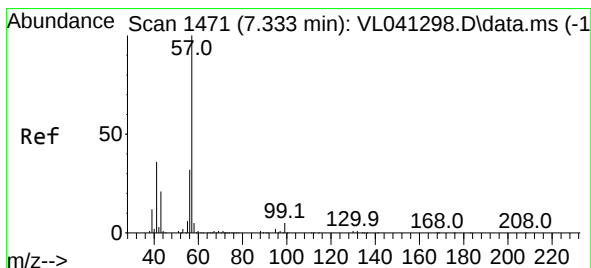
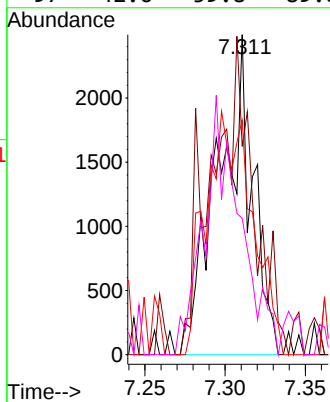
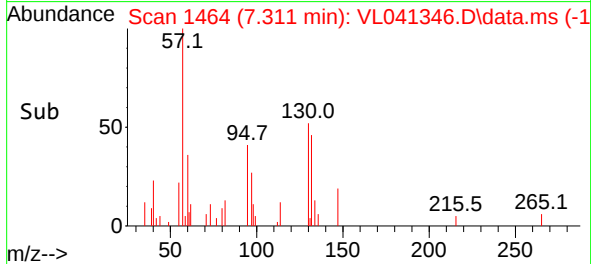
Instrument :
 MSVOA_L
 ClientSampleId :
 OA1



Tgt Ion:130 Resp: 3662
 Ion Ratio Lower Upper
 130 100
 95 65.1 94.0 141.0#
 132 73.3 76.7 115.1#
 97 42.6 59.8 89.8#

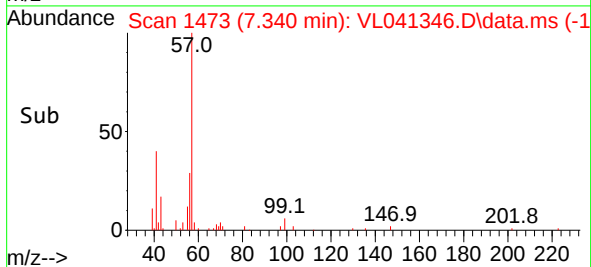
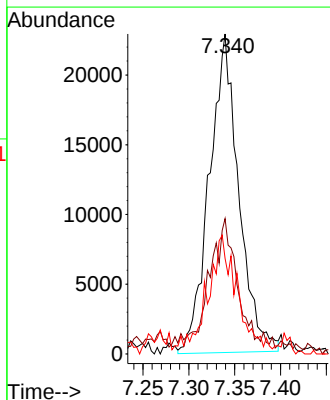
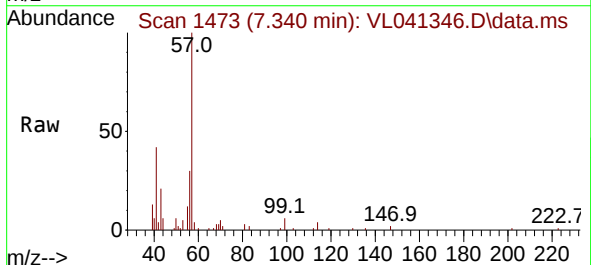
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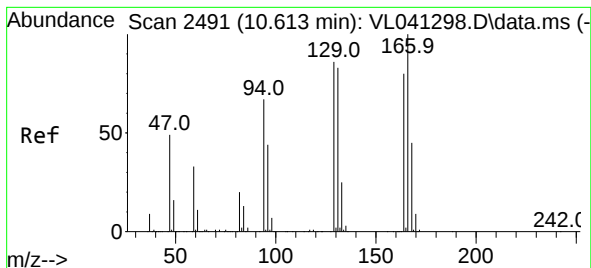
Reviewed By :Semsettin Yesilyurt 06/12/2024
 Supervised By :Mahesh Dadoda 06/12/2024



#44
 2,2,4-Trimethylpentane
 Concen: 0.134 ppbv
 RT: 7.340 min Scan# 1473
 Delta R.T. 0.000 min
 Lab File: VL041346.D
 Acq: 11 Jun 2024 14:17

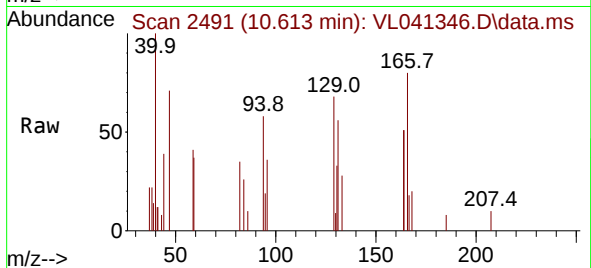
Tgt Ion: 57 Resp: 51042
 Ion Ratio Lower Upper
 57 100
 41 47.3 29.4 44.2#
 56 40.4 25.0 37.4#





#52
Tetrachloroethene
Concen: 0.048 ppbv m
RT: 10.613 min Scan# 2491
Delta R.T. -0.013 min
Lab File: VL041346.D
Acq: 11 Jun 2024 14:17

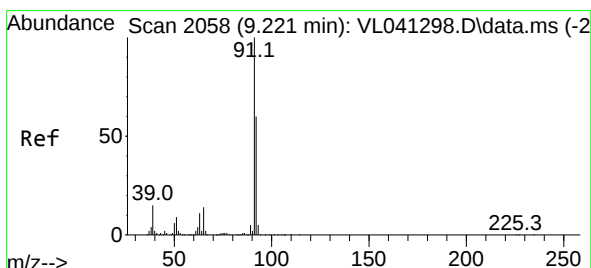
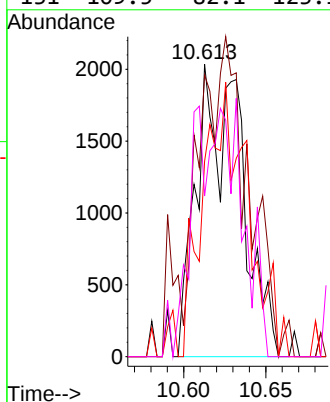
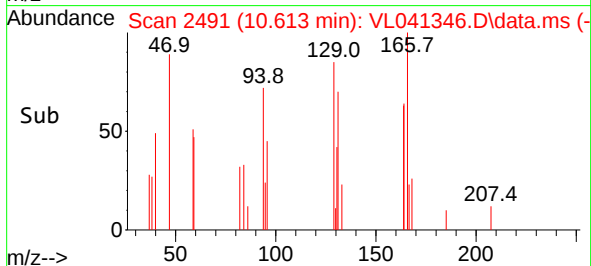
Instrument : MSVOA_L
ClientSampleId : OA1



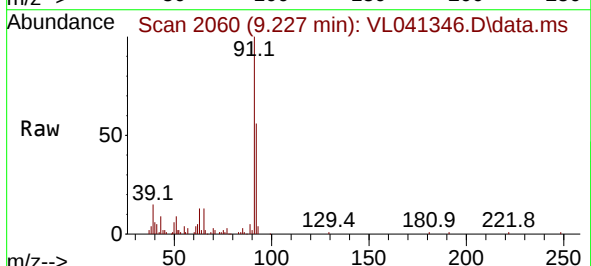
Tgt Ion:164 Resp: 3899
Ion Ratio Lower Upper
164 100
166 156.6 99.4 149.0
129 133.2 85.4 128.2
131 109.5 82.1 123.1

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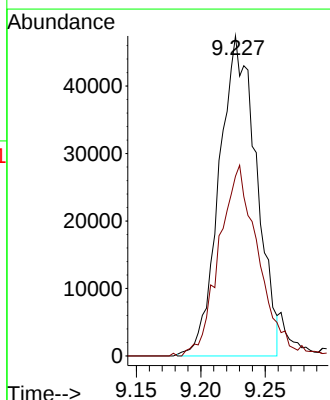
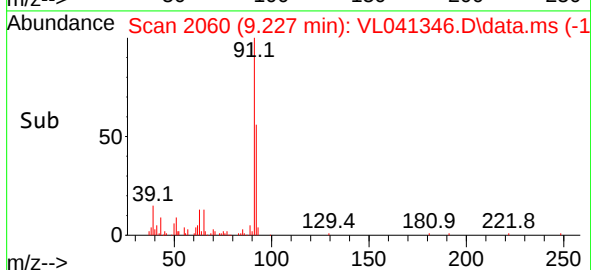
Reviewed By :Semsettin Yesilyurt 06/12/2024
Supervised By :Mahesh Dadoda 06/12/2024

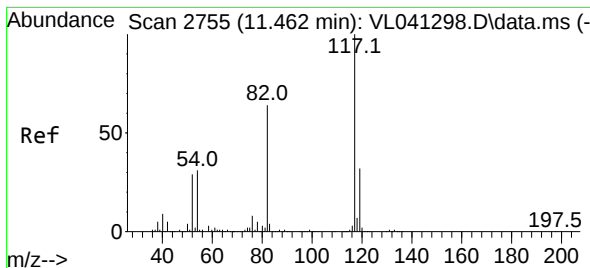


#53
Toluene
Concen: 0.372 ppbv m
RT: 9.227 min Scan# 2060
Delta R.T. -0.003 min
Lab File: VL041346.D
Acq: 11 Jun 2024 14:17



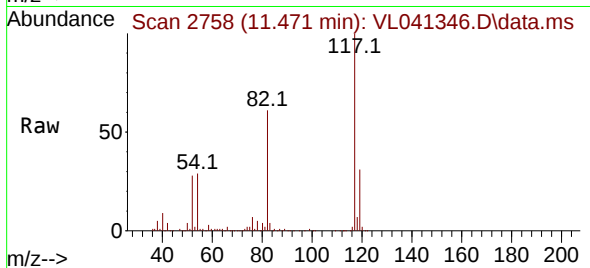
Tgt Ion: 91 Resp: 94798
Ion Ratio Lower Upper
91 100
92 0.0 49.2 73.8





#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.471 min Scan# 21
Delta R.T. -0.003 min
Lab File: VL041346.D
Acq: 11 Jun 2024 14:17

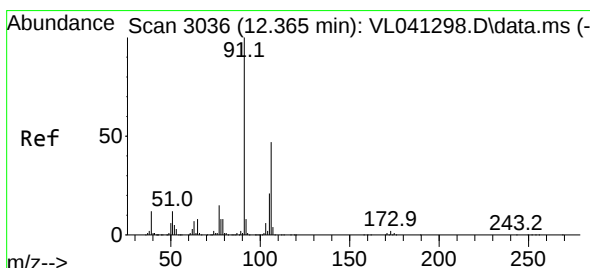
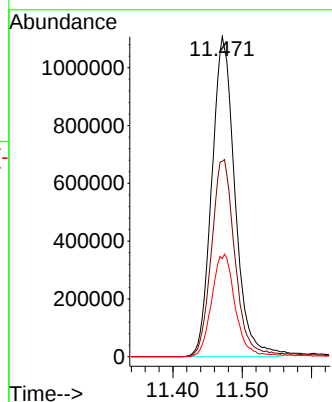
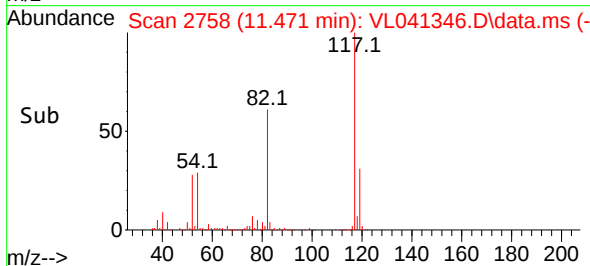
Instrument :
MSVOA_L
ClientSampleId :
OA1



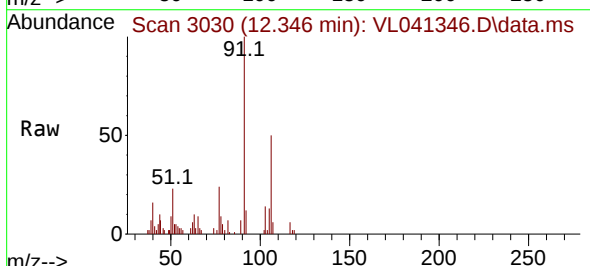
Tgt Ion:117 Resp: 2573608
Ion Ratio Lower Upper
117 100
82 63.8 52.3 78.5
119 32.9 26.2 39.2

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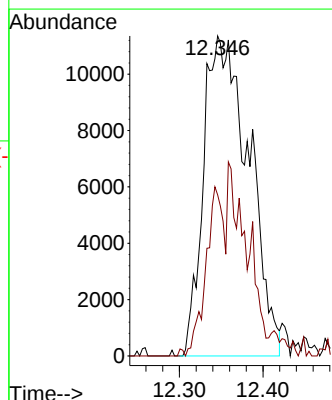
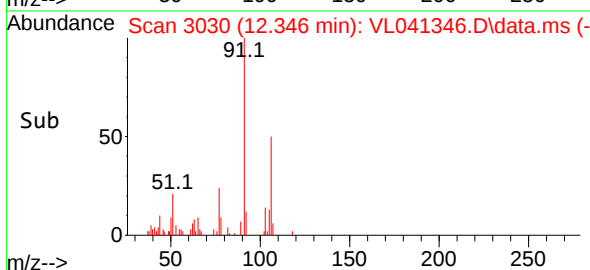
Reviewed By :Semsettin Yesilyurt 06/12/2024
Supervised By :Mahesh Dadoda 06/12/2024

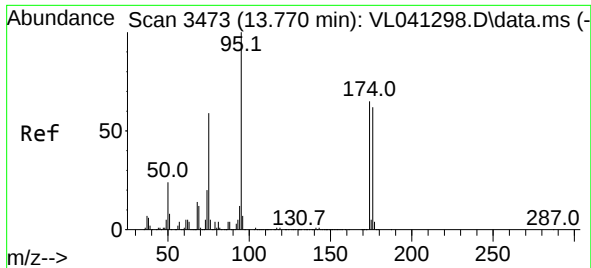


#59
m/p-Xylene
Concen: 0.151 ppbv m
RT: 12.346 min Scan# 3030
Delta R.T. -0.032 min
Lab File: VL041346.D
Acq: 11 Jun 2024 14:17



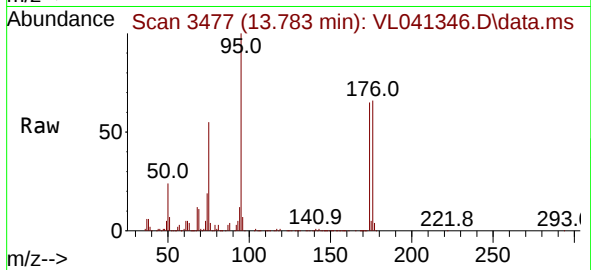
Tgt Ion: 91 Resp: 42787
Ion Ratio Lower Upper
91 100
106 0.0 35.7 53.5#





#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.611 ppbv
 RT: 13.783 min Scan# 3477
 Delta R.T. 0.003 min
 Lab File: VL041346.D
 Acq: 11 Jun 2024 14:17

Instrument :
 MSVOA_L
 ClientSampleId :
 OA1



Tgt Ion: 95 Resp: 190969

Ion	Ratio	Lower	Upper
95	100		
174	71.9	52.2	78.2
175	5.4	4.1	6.1

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 06/12/2024
 Supervised By :Mahesh Dadoda 06/12/2024

