

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL092524\
 Data File : VL041627.D
 Acq On : 25 Sep 2024 17:17
 Operator : SY/MD
 Sample : P4174-01DL 20X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SV1DL

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 09/26/2024
 Supervised By :Mahesh Dadoda 09/26/2024

Quant Time: Sep 26 01:22:02 2024

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL091624AIR.M

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

QLast Update : Tue Sep 17 09:12:21 2024

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.172	49	1017906	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.635	114	2716109	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.452	117	2365562	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.764	95	1721160	9.884	ppbv	0.01
Spiked Amount	10.000	Range	65 - 135	Recovery	=	98.800%
Target Compounds						
						Qvalue
3) Chlorodifluoromethane	2.648	51	26466	0.214	ppbv	97
4) Chloromethane	2.787	50	7636	0.112	ppbv	90
9) Propene	2.668	41	29157	0.560	ppbv	93
13) Ethanol	3.237	45	12533m	3.201	ppbv	
15) Acetone	3.446	43	911633	7.134	ppbv	98
19) Isopropyl Alcohol	3.565	45	169394	2.589	ppbv #	93
20) Methylene Chloride	3.912	84	16285m	0.339	ppbv	
26) Hexane	5.188	57	18227	0.191	ppbv #	49
29) Chloroform	5.253	83	44862	0.287	ppbv	99
32) 1,1,1-Trichloroethane	5.979	97	6247m	0.045	ppbv	
34) 2-Butanone	4.783	43	76879m	0.594	ppbv	
35) Carbon Tetrachloride	6.475	117	10566m	0.079	ppbv	
36) Benzene	6.356	78	19721m	0.105	ppbv	
38) Trichloroethene	7.272	130	3556m	0.037	ppbv	
44) 2,2,4-Trimethylpentane	7.317	57	10853m	0.033	ppbv	
52) Tetrachloroethene	10.603	164	91224	1.336	ppbv	96

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

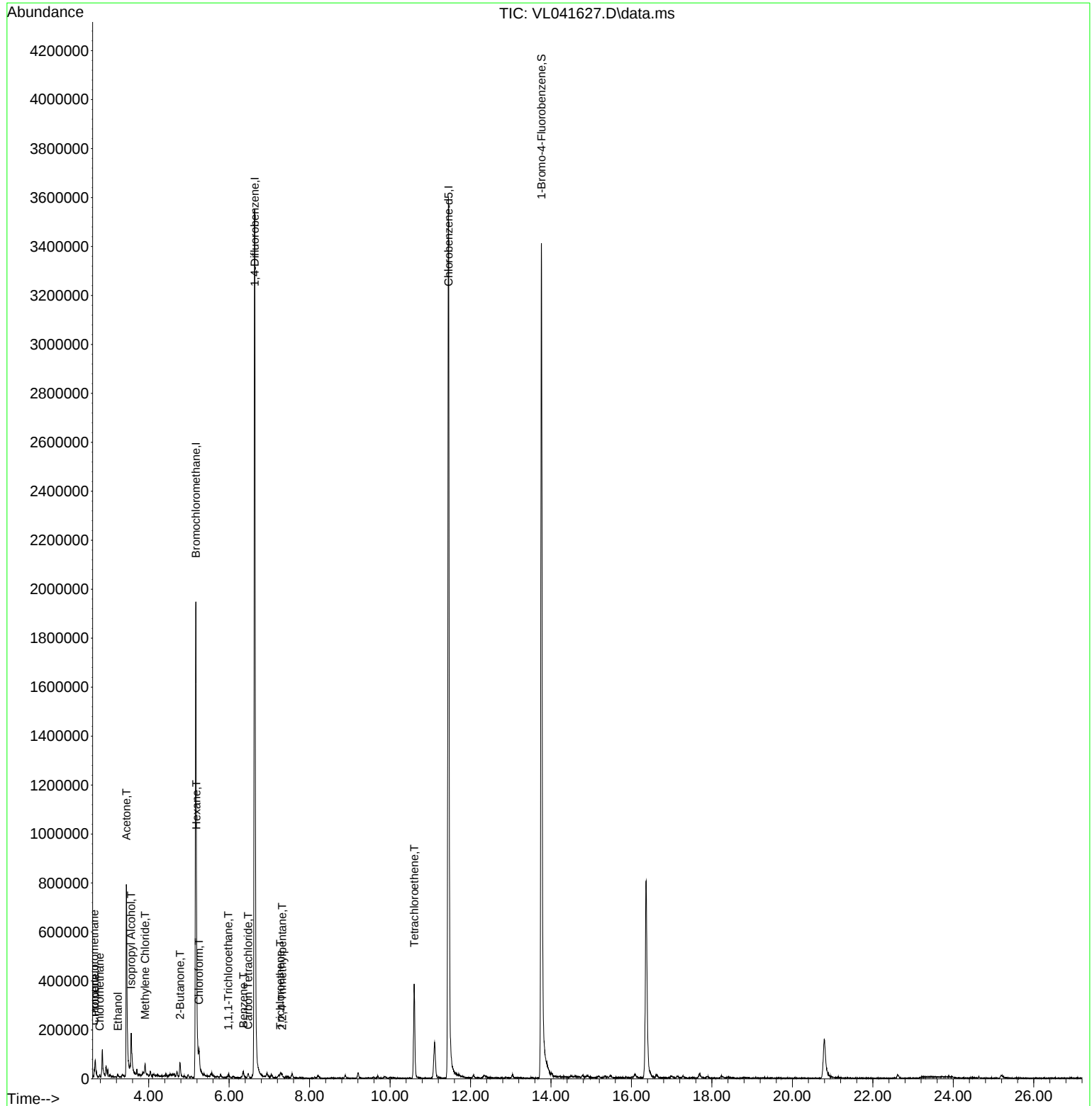
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL092524\
Data File : VL041627.D
Acq On : 25 Sep 2024 17:17
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Sample : P4174-01DL 20X
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ALS Vial : 1 Sample Multiplier: 1

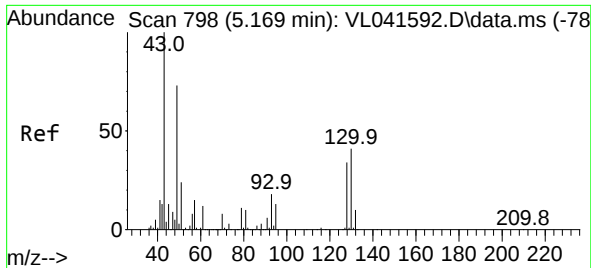
Instrument :
MSVOA_L
ClientSampleId :
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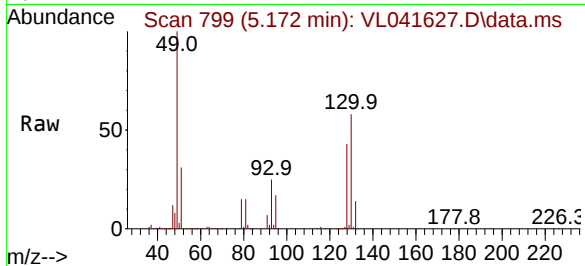
Quant Time: Sep 26 01:22:02 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL091624AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug
QLast Update : Tue Sep 17 09:12:21 2024
Response via : Initial Calibration





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.172 min Scan# 79
Delta R.T. 0.003 min
Lab File: VL041627.D
Acq: 25 Sep 2024 17:17

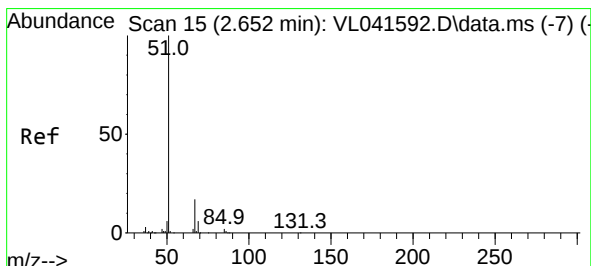
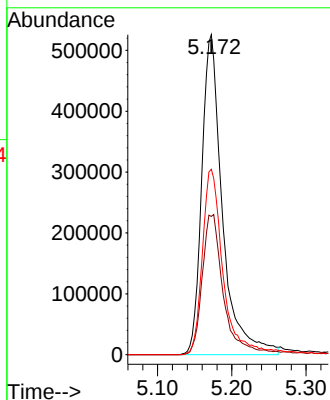
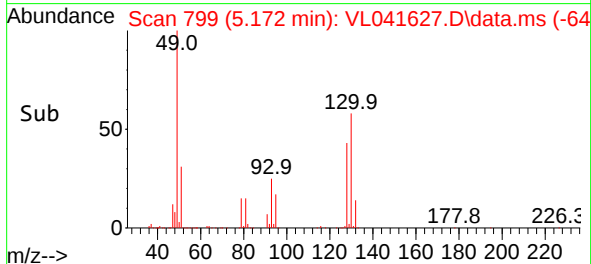
Instrument :
MSVOA_L
ClientSampleId :
SV1DL



Tgt Ion: 49 Resp: 1017900
Ion Ratio Lower Upper
49 100
128 46.0 23.8 71.5
130 59.1 30.4 91.3

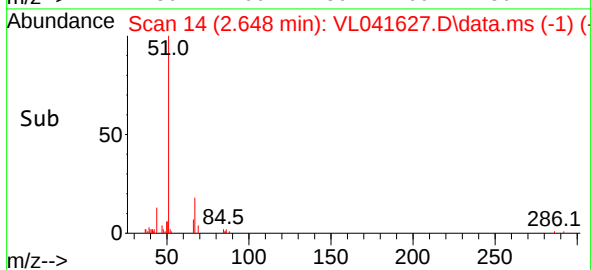
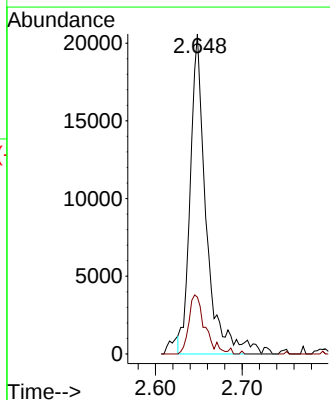
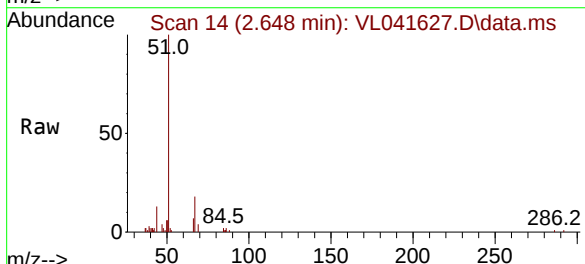
Manual Integrations
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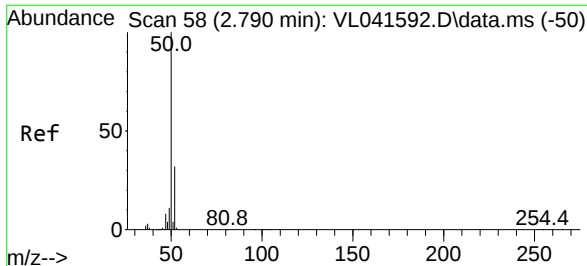
Reviewed By :Semsettin Yesilyurt 09/26/2024
Supervised By :Mahesh Dadoda 09/26/2024



#3
Chlorodifluoromethane
Concen: 0.214 ppbv
RT: 2.648 min Scan# 14
Delta R.T. -0.003 min
Lab File: VL041627.D
Acq: 25 Sep 2024 17:17

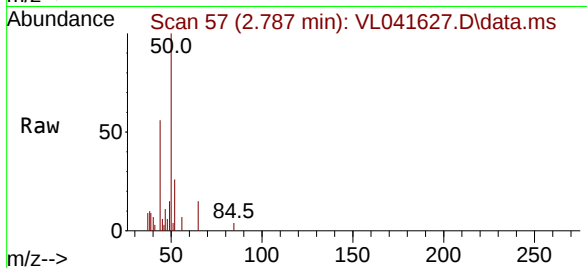
Tgt Ion: 51 Resp: 26466
Ion Ratio Lower Upper
51 100
67 18.9 14.1 21.1





#4
Chloromethane
Concen: 0.112 ppbv
RT: 2.787 min Scan# 51
Delta R.T. -0.003 min
Lab File: VL041627.D
Acq: 25 Sep 2024 17:17

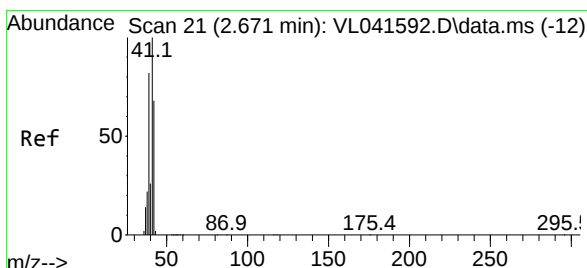
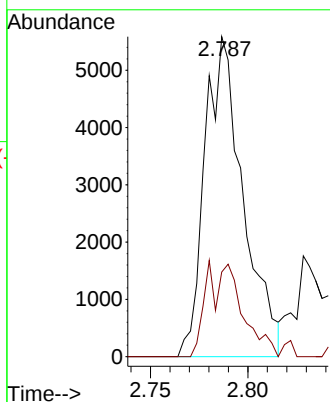
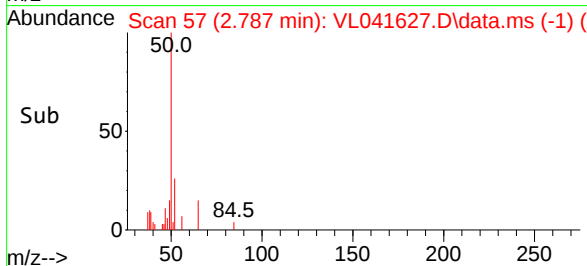
Instrument :
MSVOA_L
ClientSampleId :
SV1DL



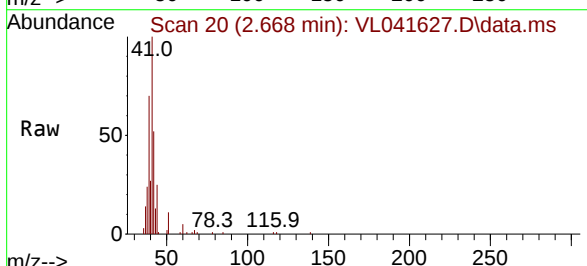
Tgt Ion: 50 Resp: 7630
Ion Ratio Lower Upper
50 100
52 26.4 25.4 38.2

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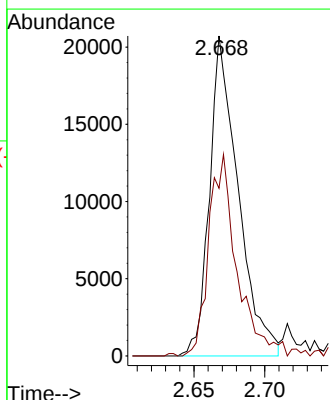
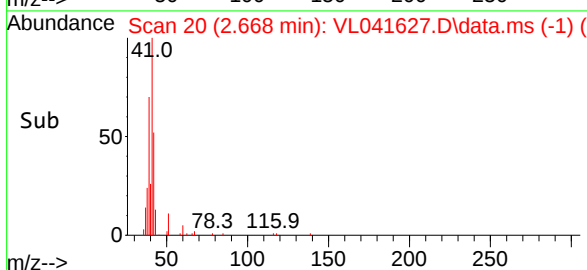
Reviewed By :Semsettin Yesilyurt 09/26/2024
Supervised By :Mahesh Dadoda 09/26/2024

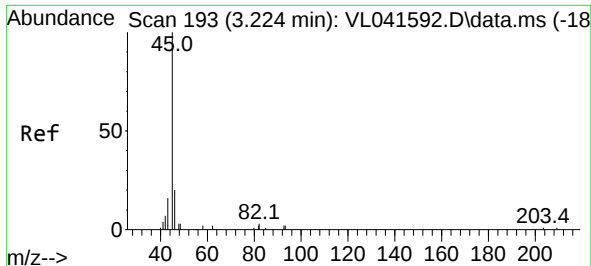


#9
Propene
Concen: 0.560 ppbv
RT: 2.668 min Scan# 20
Delta R.T. -0.003 min
Lab File: VL041627.D
Acq: 25 Sep 2024 17:17



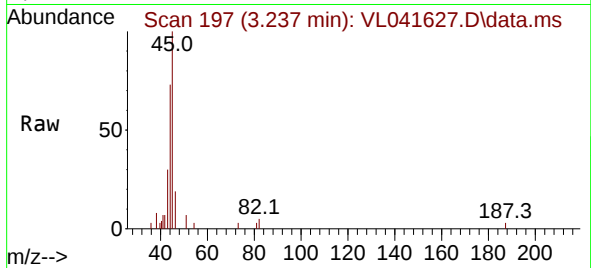
Tgt Ion: 41 Resp: 29157
Ion Ratio Lower Upper
41 100
42 63.2 55.2 82.8





#13
Ethanol
Concen: 3.201 ppbv m
RT: 3.237 min Scan# 197
Delta R.T. 0.013 min
Lab File: VL041627.D
Acq: 25 Sep 2024 17:17

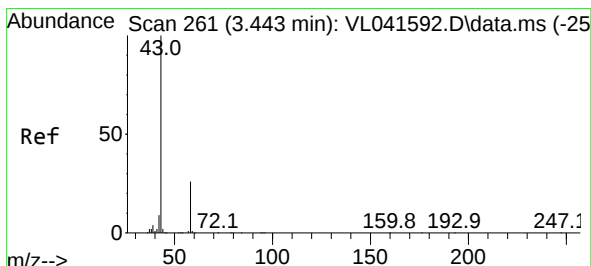
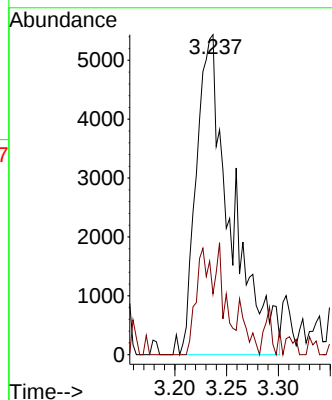
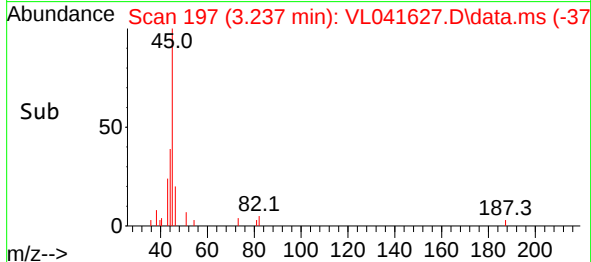
Instrument :
MSVOA_L
ClientSampleId :
SV1DL



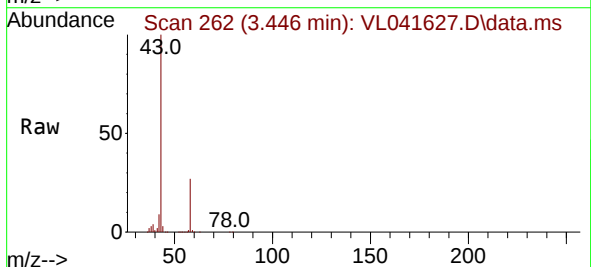
Tgt Ion: 45 Resp: 1253
Ion Ratio Lower Upper
45 100
46 32.0 15.2 60.8

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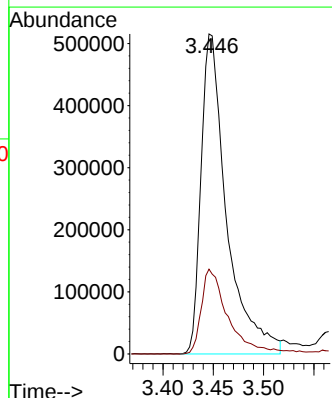
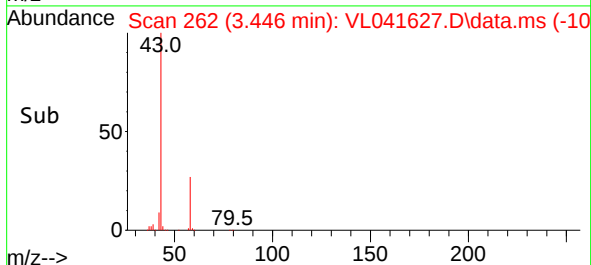
Reviewed By :Semsettin Yesilyurt 09/26/2024
Supervised By :Mahesh Dadoda 09/26/2024

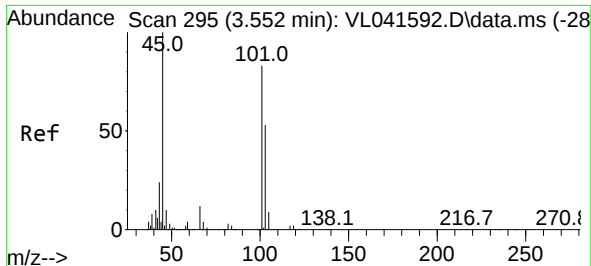


#15
Acetone
Concen: 7.134 ppbv
RT: 3.446 min Scan# 262
Delta R.T. 0.003 min
Lab File: VL041627.D
Acq: 25 Sep 2024 17:17



Tgt Ion: 43 Resp: 911633
Ion Ratio Lower Upper
43 100
58 28.0 21.5 32.3





#19

Isopropyl Alcohol

Concen: 2.589 ppbv

RT: 3.565 min Scan# 295

Delta R.T. 0.013 min

Lab File: VL041627.D

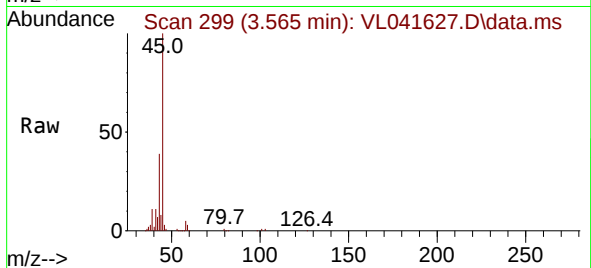
Acq: 25 Sep 2024 17:17

Instrument :

MSVOA_L

ClientSampleId :

SV1DL



Tgt Ion: 45 Resp: 169394

Ion Ratio Lower Upper

45 100

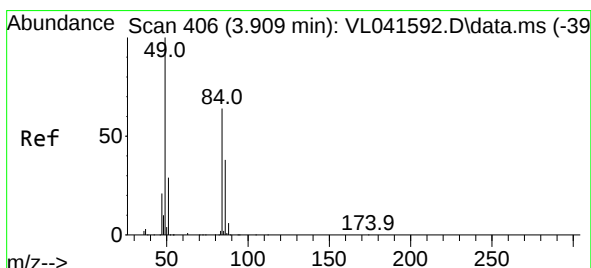
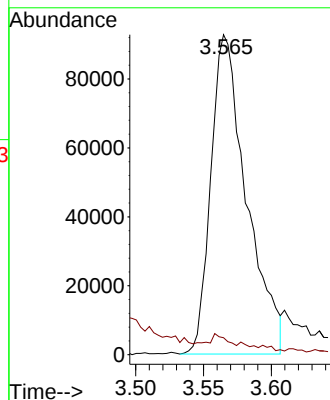
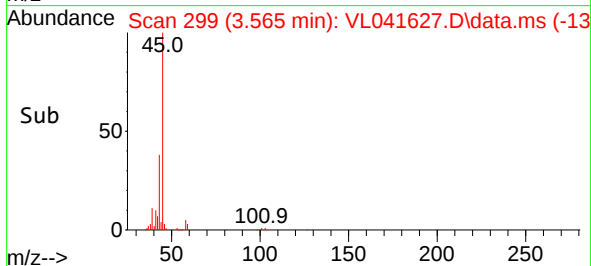
58 4.8 2.1 3.1

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 09/26/2024

Supervised By :Mahesh Dadoda 09/26/2024



#20

Methylene Chloride

Concen: 0.339 ppbv m

RT: 3.912 min Scan# 407

Delta R.T. 0.003 min

Lab File: VL041627.D

Acq: 25 Sep 2024 17:17

Tgt Ion: 84 Resp: 16285

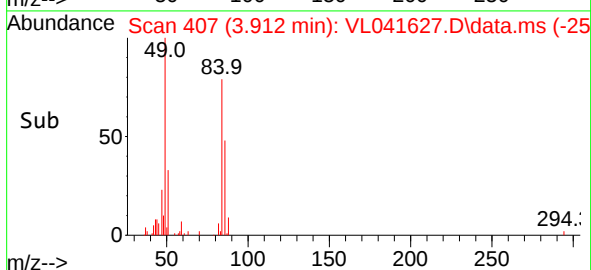
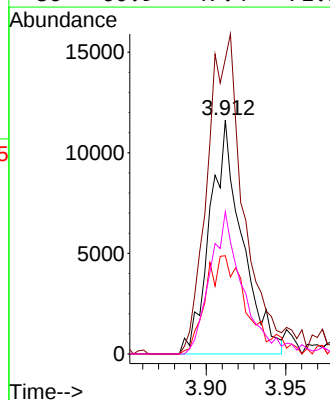
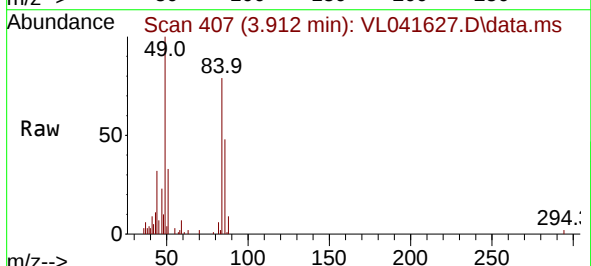
Ion Ratio Lower Upper

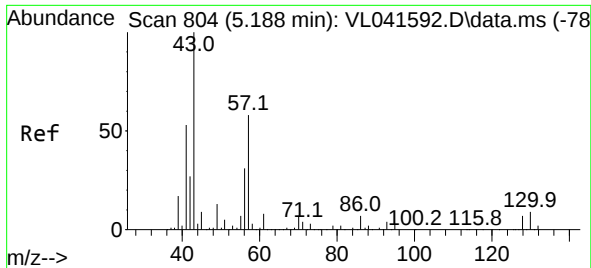
84 100

49 126.1 124.3 186.5

51 42.0 36.3 54.5

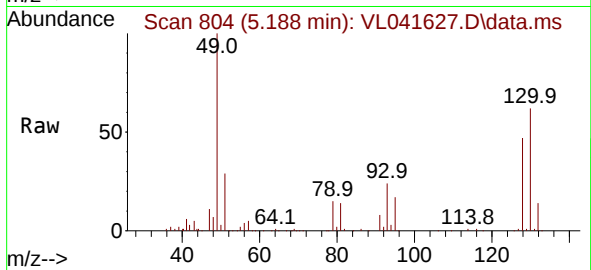
86 60.9 47.4 71.2





#26
Hexane
Concen: 0.191 ppbv
RT: 5.188 min Scan# 804
Delta R.T. 0.000 min
Lab File: VL041627.D
Acq: 25 Sep 2024 17:17

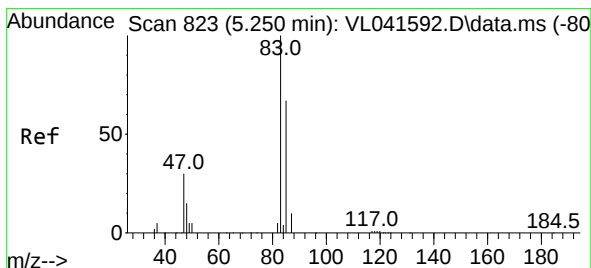
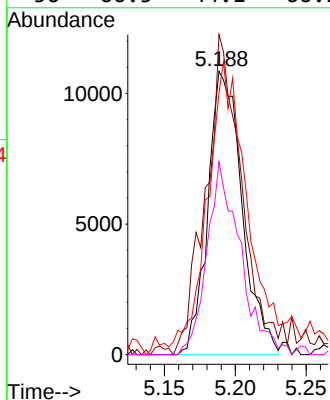
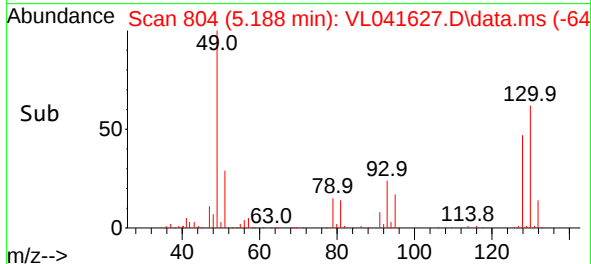
Instrument :
MSVOA_L
ClientSampleId :
SV1DL



Tgt Ion: 57 Resp: 1822
Ion Ratio Lower Upper
57 100
41 118.8 75.7 113.5
43 129.5 198.5 297.7
56 66.5 44.1 66.1

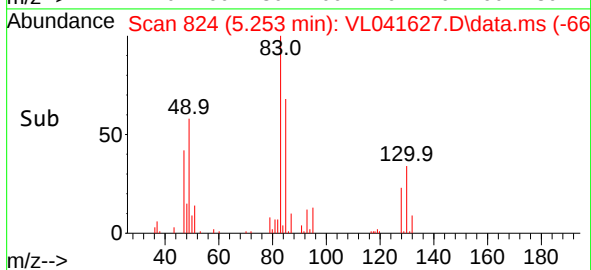
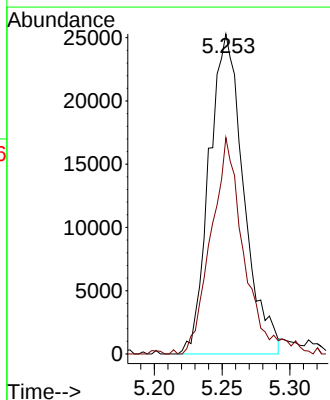
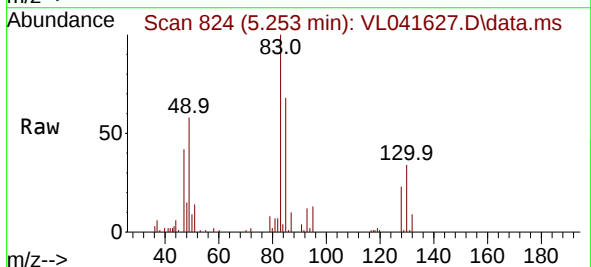
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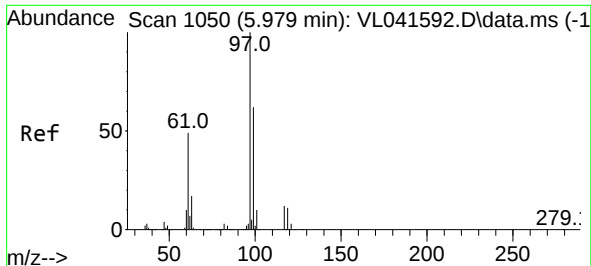
Reviewed By :Semsettin Yesilyurt 09/26/2024
Supervised By :Mahesh Dadoda 09/26/2024



#29
Chloroform
Concen: 0.287 ppbv
RT: 5.253 min Scan# 824
Delta R.T. 0.003 min
Lab File: VL041627.D
Acq: 25 Sep 2024 17:17

Tgt Ion: 83 Resp: 44862
Ion Ratio Lower Upper
83 100
85 67.6 53.8 80.6





#32

1,1,1-Trichloroethane

Concen: 0.045 ppbv

RT: 5.979 min Scan# 1050

Delta R.T. -0.000 min

Lab File: VL041627.D

Acq: 25 Sep 2024 17:17

Instrument :

MSVOA_L

ClientSampleId :

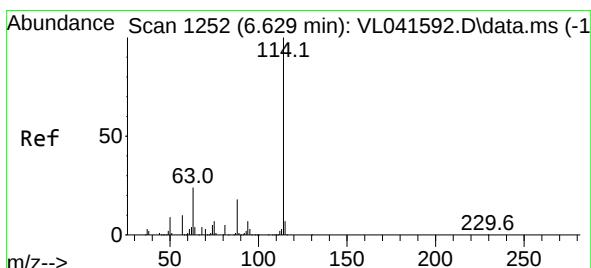
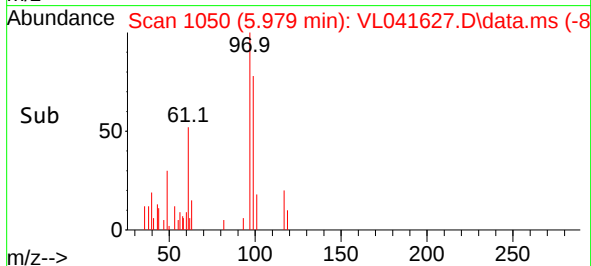
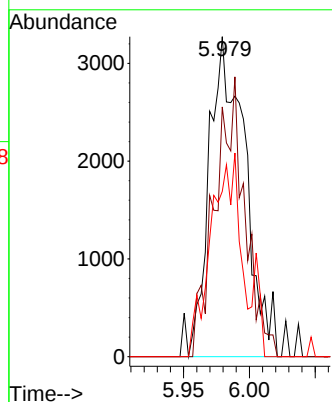
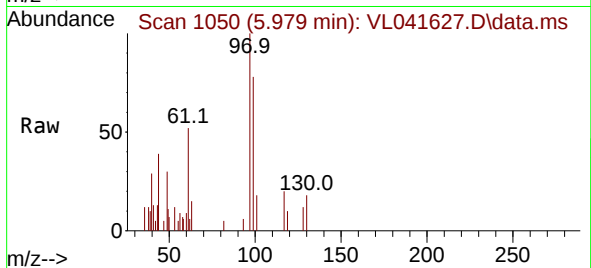
SV1DL

Tgt Ion: 97	Resp: 624
Ion Ratio	Lower Upper
97 100	
99 0.0	51.0 76.4
61 0.0	41.0 61.6

Manual Integrations

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#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

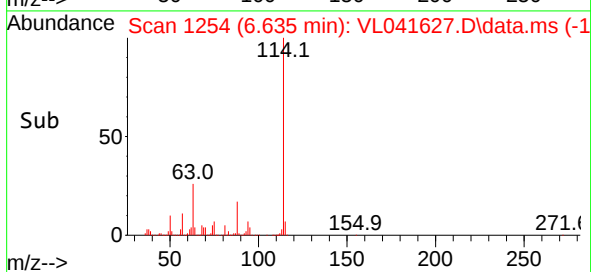
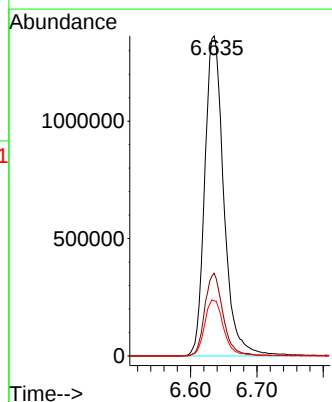
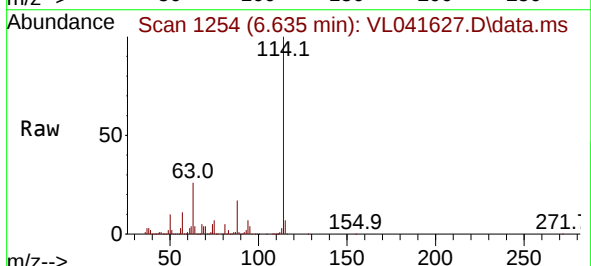
RT: 6.635 min Scan# 1254

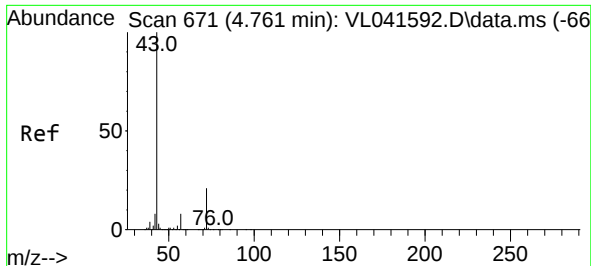
Delta R.T. 0.006 min

Lab File: VL041627.D

Acq: 25 Sep 2024 17:17

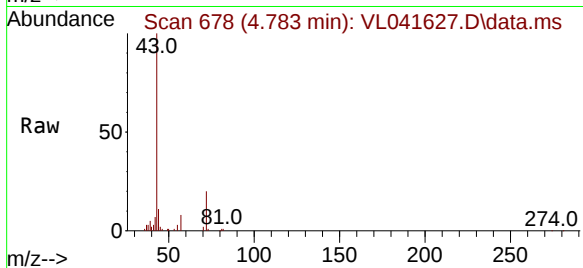
Tgt Ion: 114	Resp: 2716109
Ion Ratio	Lower Upper
114 100	
63 25.2	20.2 30.2
88 17.6	14.2 21.4





#34
2-Butanone
Concen: 0.594 ppbv m
RT: 4.783 min Scan# 61
Delta R.T. 0.022 min
Lab File: VL041627.D
Acq: 25 Sep 2024 17:17

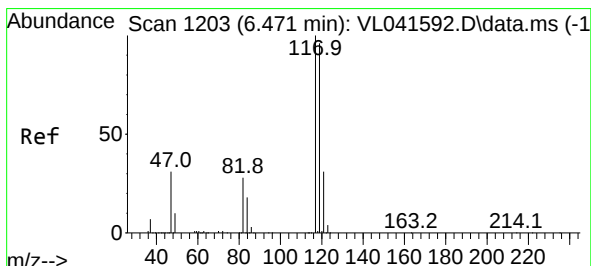
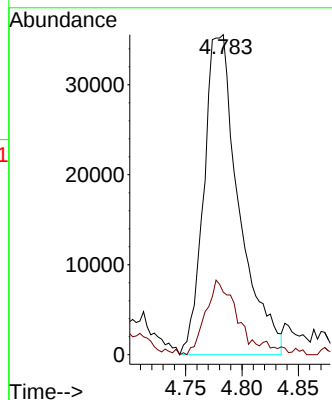
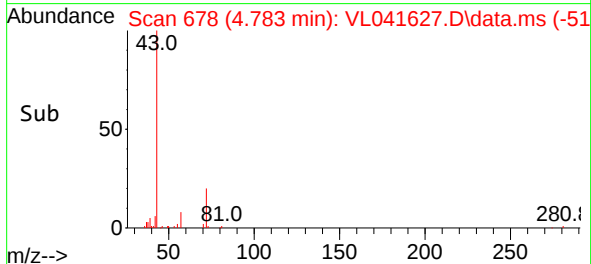
Instrument :
MSVOA_L
ClientSampleId :
SV1DL



Tgt Ion: 43 Resp: 76879
Ion Ratio Lower Upper
43 100
72 22.7 16.8 25.2

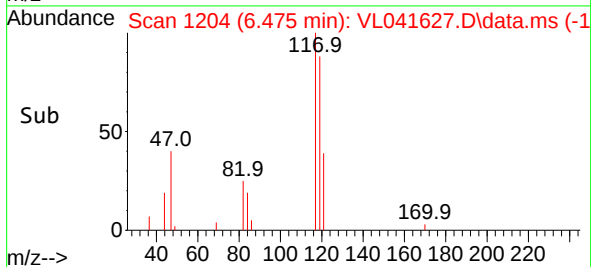
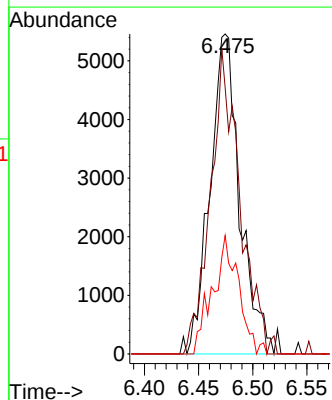
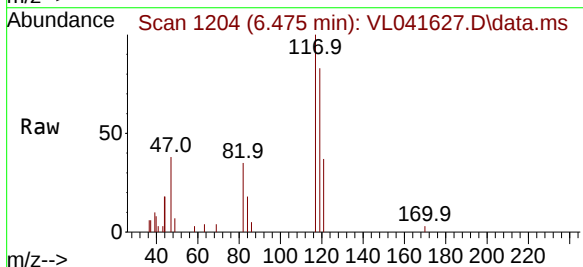
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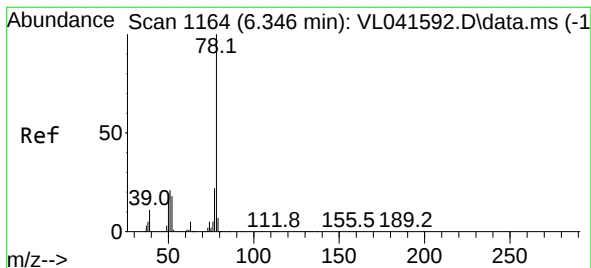
Reviewed By :Semsettin Yesilyurt 09/26/2024
Supervised By :Mahesh Dadoda 09/26/2024



#35
Carbon Tetrachloride
Concen: 0.079 ppbv m
RT: 6.475 min Scan# 1204
Delta R.T. 0.003 min
Lab File: VL041627.D
Acq: 25 Sep 2024 17:17

Tgt Ion:117 Resp: 10566
Ion Ratio Lower Upper
117 100
119 83.2 76.8 115.2
121 37.0 25.0 37.6





#36

Benzene

Concen: 0.105 ppbv m

RT: 6.356 min Scan# 1167

Delta R.T. 0.010 min

Lab File: VL041627.D

Acq: 25 Sep 2024 17:17

Instrument :

MSVOA_L

ClientSampleId :

SV1DL

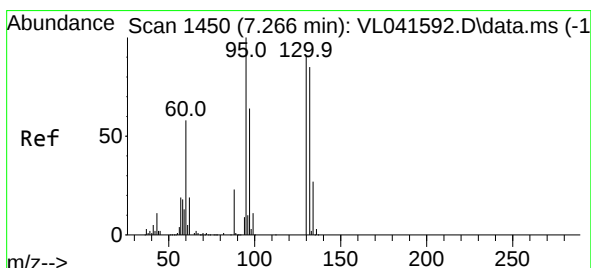
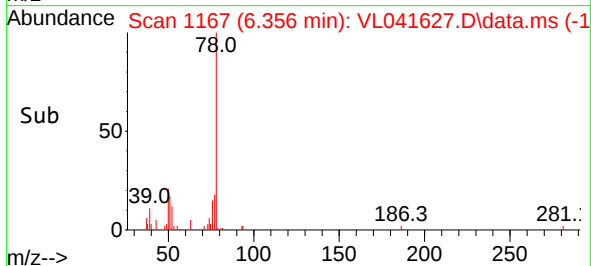
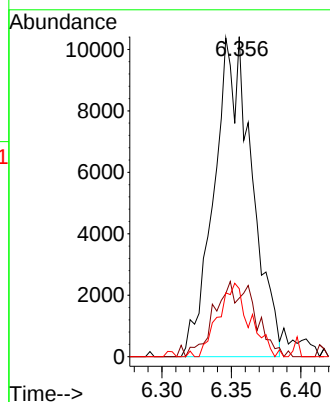
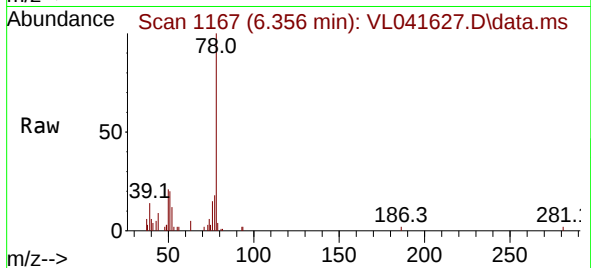
Tgt Ion: 78 Resp: 1972

Ion	Ratio	Lower	Upper
78	100		
77	18.3	17.8	26.6
50	21.3	15.4	23.0

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 09/26/2024
Supervised By :Mahesh Dadoda 09/26/2024



#38

Trichloroethene

Concen: 0.037 ppbv m

RT: 7.272 min Scan# 1452

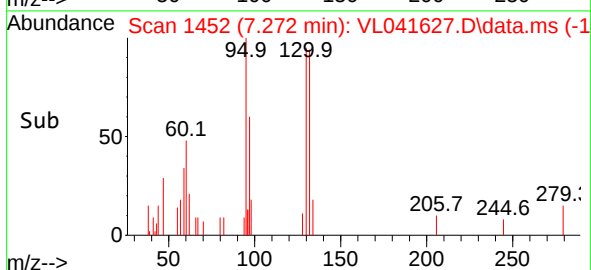
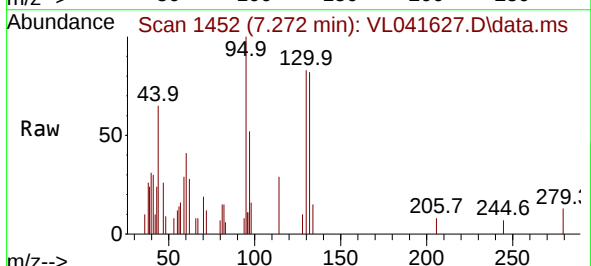
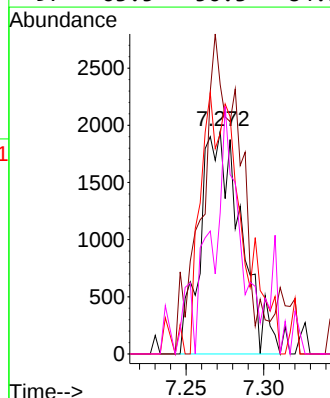
Delta R.T. 0.006 min

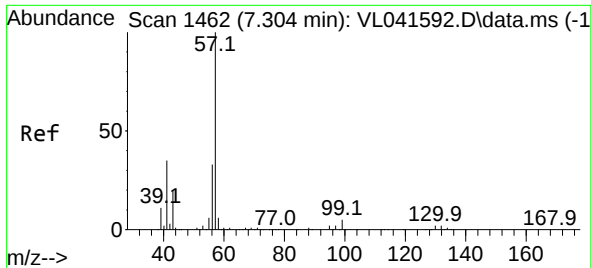
Lab File: VL041627.D

Acq: 25 Sep 2024 17:17

Tgt Ion:130 Resp: 3556

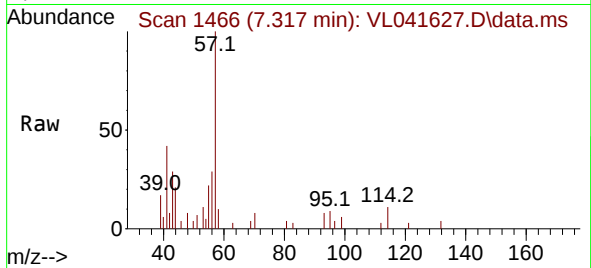
Ion	Ratio	Lower	Upper
130	100		
95	121.0	87.7	131.5
132	99.0	74.5	111.7
97	63.5	56.3	84.5





#44
2,2,4-Trimethylpentane
Concen: 0.033 ppbv m
RT: 7.317 min Scan# 1466
Delta R.T. 0.013 min
Lab File: VL041627.D
Acq: 25 Sep 2024 17:17

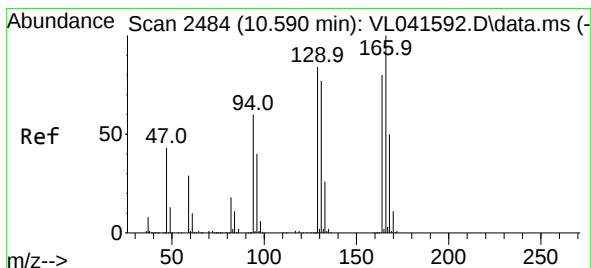
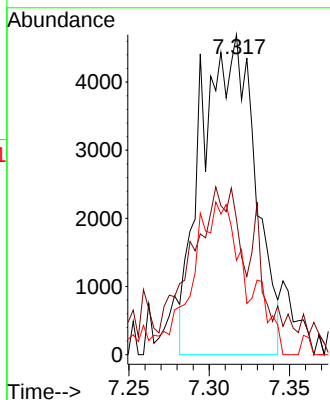
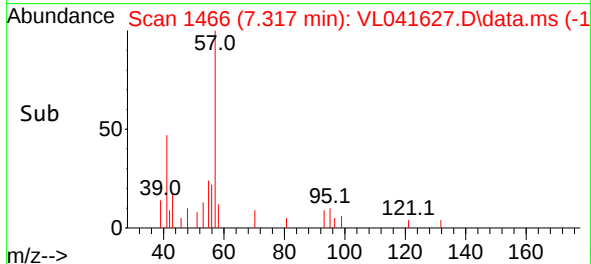
Instrument :
MSVOA_L
ClientSampleId :
SV1DL



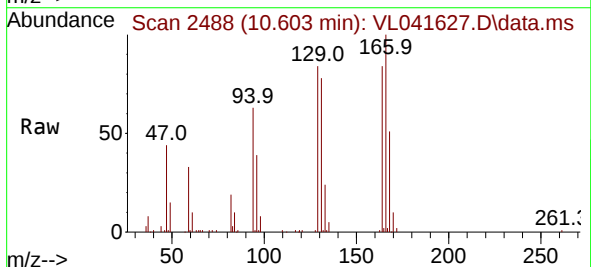
Tgt Ion: 57 Resp: 1085
Ion Ratio Lower Upper
57 100
41 0.0 27.0 40.6
56 0.0 25.5 38.3

Manual Integrations
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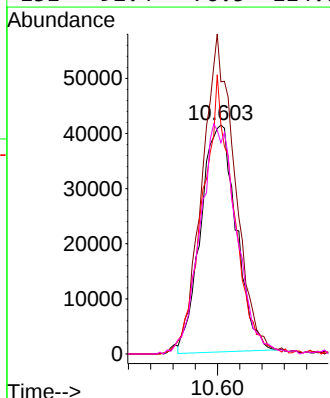
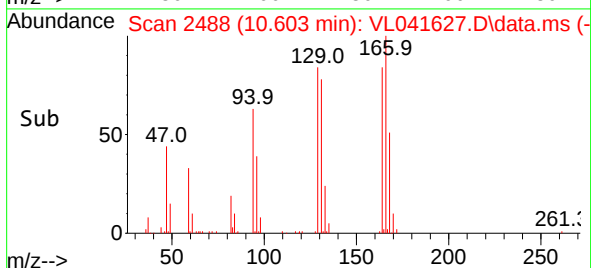
Reviewed By :Semsettin Yesilyurt 09/26/2024
Supervised By :Mahesh Dadoda 09/26/2024

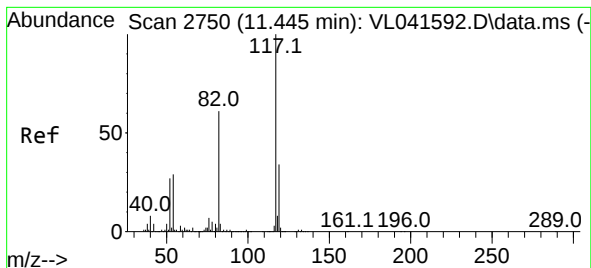


#52
Tetrachloroethene
Concen: 1.336 ppbv
RT: 10.603 min Scan# 2488
Delta R.T. 0.013 min
Lab File: VL041627.D
Acq: 25 Sep 2024 17:17



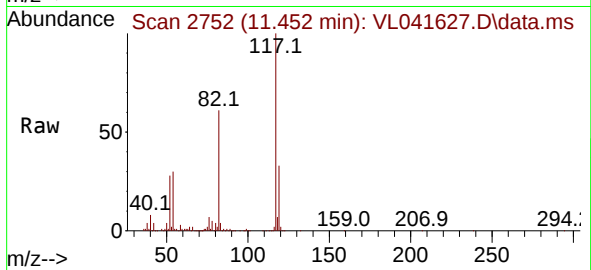
Tgt Ion:164 Resp: 91224
Ion Ratio Lower Upper
164 100
166 119.1 99.4 149.2
129 99.8 83.5 125.3
131 92.4 76.5 114.7





#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.452 min Scan# 21
Delta R.T. 0.006 min
Lab File: VL041627.D
Acq: 25 Sep 2024 17:17

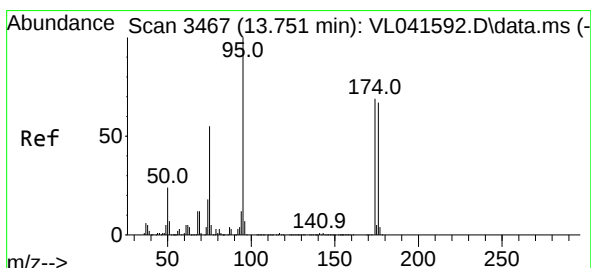
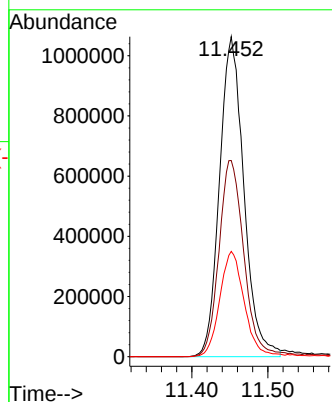
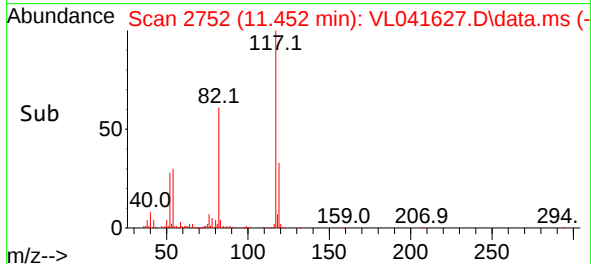
Instrument :
MSVOA_L
ClientSampleId :
SV1DL



Tgt Ion: 117 Resp: 2365562
Ion Ratio Lower Upper
117 100
82 63.8 49.4 74.2
119 33.4 24.4 36.6

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 09/26/2024
Supervised By :Mahesh Dadoda 09/26/2024



#68
1-Bromo-4-Fluorobenzene
Concen: 9.884 ppbv
RT: 13.764 min Scan# 3471
Delta R.T. 0.013 min
Lab File: VL041627.D
Acq: 25 Sep 2024 17:17

Tgt Ion: 95 Resp: 1721160
Ion Ratio Lower Upper
95 100
174 70.2 55.8 83.8
175 4.9 4.1 6.1

