

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL092524\
 Data File : VL041629.D
 Acq On : 25 Sep 2024 18:38
 Operator : SY/MD
 Sample : P4199-01DL 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 01:23:33 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	1026887	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.635	114	2720772	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.452	117	2399818	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.764	95	1764362	9.987	ppbv	0.01
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.900%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.703	85	21563	0.145	ppbv #	86
4) Chloromethane	2.787	50	7405	0.108	ppbv #	74
9) Propene	2.671	41	74515	1.418	ppbv	99
10) Heptane	7.565	43	37781	0.307	ppbv	96
11) Trichlorofluoromethane	3.536	101	21334	0.135	ppbv	99
13) Ethanol	3.230	45	18649m	4.722	ppbv	
15) Acetone	3.446	43	669683	5.195	ppbv #	89
20) Methylene Chloride	3.915	84	11390m	0.235	ppbv	
26) Hexane	5.192	57	35650	0.369	ppbv #	40
27) Carbon Disulfide	4.108	76	17325m	0.169	ppbv	
32) 1,1,1-Trichloroethane	5.989	97	6775m	0.048	ppbv	
34) 2-Butanone	4.771	43	638390	4.921	ppbv	98
35) Carbon Tetrachloride	6.478	117	6161m	0.046	ppbv	
36) Benzene	6.349	78	27909	0.148	ppbv	95
38) Trichloroethene	7.272	130	4971m	0.051	ppbv	
51) 2-Hexanone	9.555	43	45169m	0.298	ppbv	
52) Tetrachloroethene	10.600	164	102556	1.499	ppbv	95
53) Toluene	9.208	91	104319	0.520	ppbv	98
58) Ethyl Benzene	12.076	91	26476m	0.103	ppbv	
59) m/p-Xylene	12.330	91	77876m	0.341	ppbv	
60) o-Xylene	13.050	91	24301m	0.111	ppbv	

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

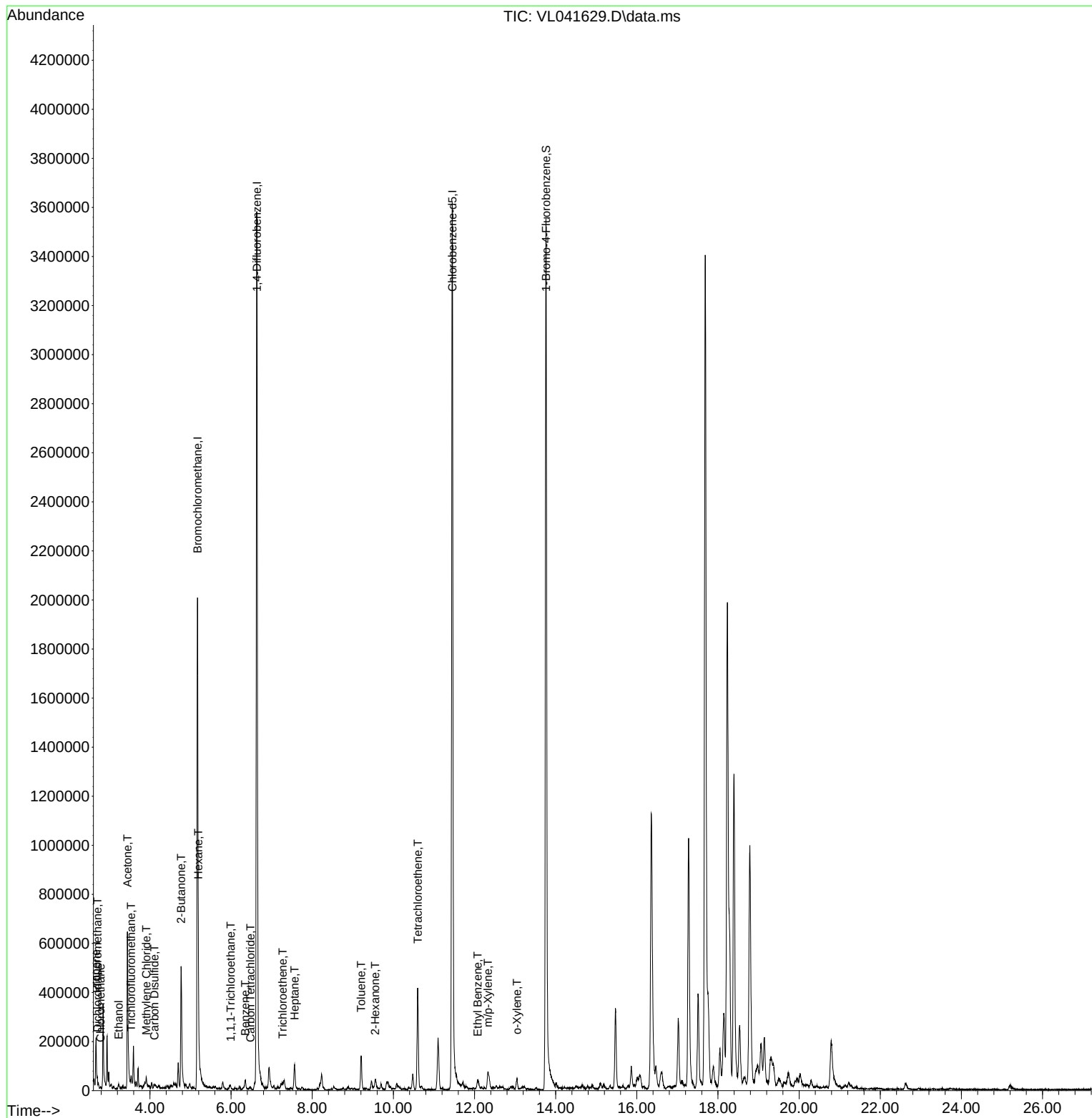
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL092524\
Data File : VL041629.D
Acq On : 25 Sep 2024 18:38
Operator : SY/MD
Sample : P4199-01DL 20X
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

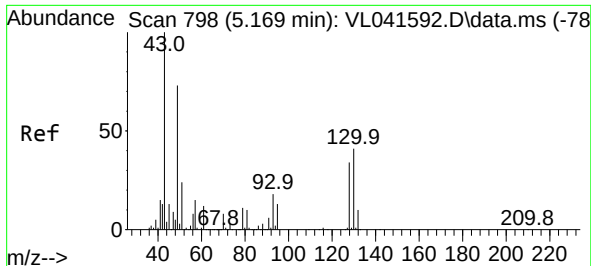
Instrument :
MSVOA_L
ClientSampleId :
SV1DL

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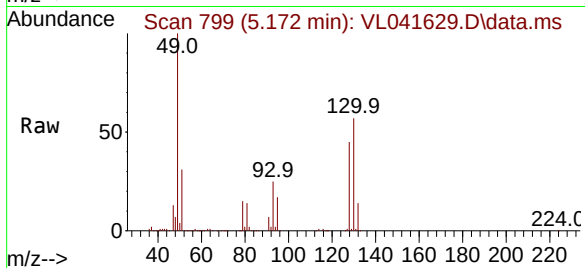
Quant Time: Sep 26 01:23:33 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL091624AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug
QLast Update : Tue Sep 17 09:12:21 2024
Response via : Initial Calibration





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.172 min Scan# 79
Delta R.T. 0.003 min
Lab File: VL041629.D
Acq: 25 Sep 2024 18:38

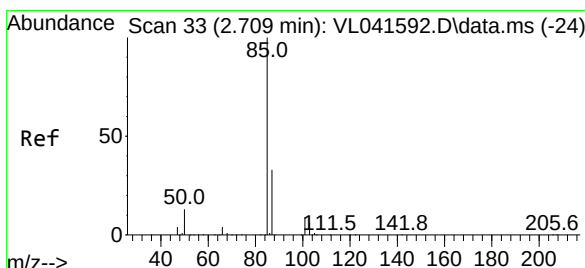
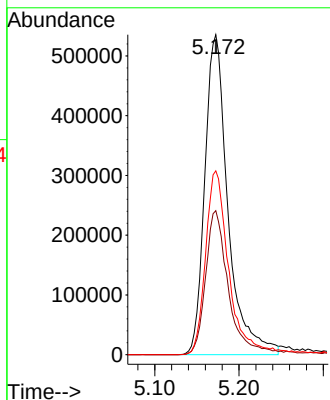
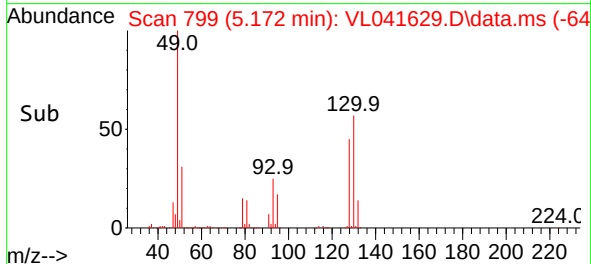
Instrument :
MSVOA_L
ClientSampleId :
SV1DL



Tgt Ion: 49 Resp: 102688
Ion Ratio Lower Upper
49 100
128 46.1 23.8 71.5
130 59.4 30.4 91.3

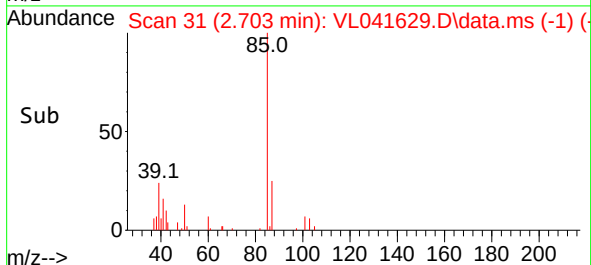
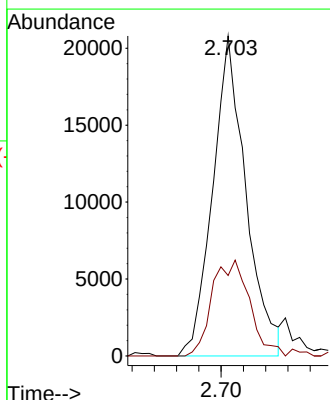
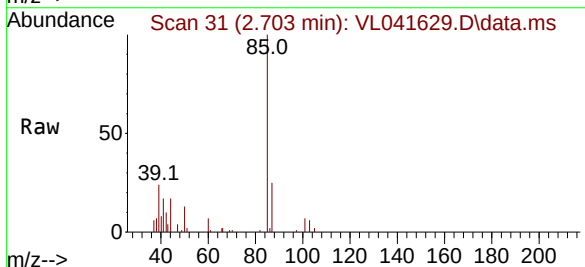
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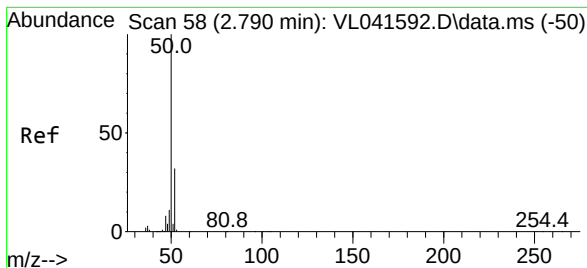
Reviewed By :Semsettin Yesilyurt 09/26/2024
Supervised By :Mahesh Dadoda 09/26/2024



#2
Dichlorodifluoromethane
Concen: 0.145 ppbv
RT: 2.703 min Scan# 31
Delta R.T. -0.006 min
Lab File: VL041629.D
Acq: 25 Sep 2024 18:38

Tgt Ion: 85 Resp: 21563
Ion Ratio Lower Upper
85 100
87 25.1 26.3 39.5#





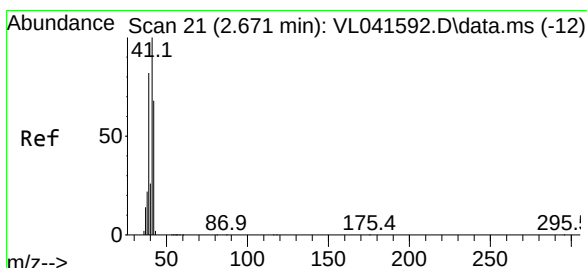
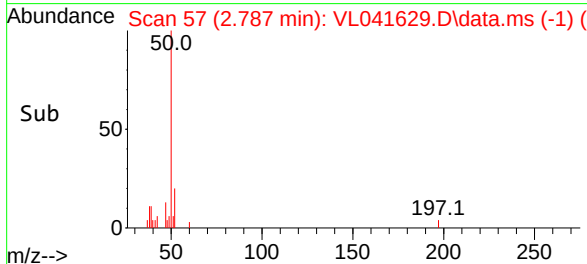
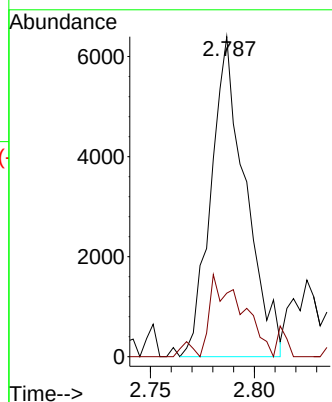
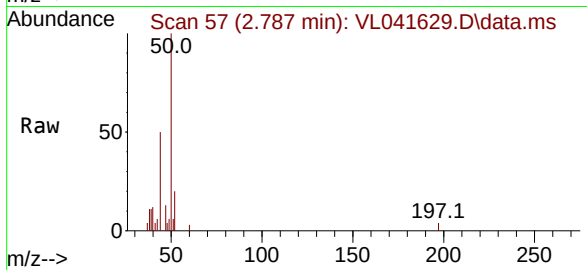
#4
Chloromethane
Concen: 0.108 ppbv
RT: 2.787 min Scan# 51
Delta R.T. -0.003 min
Lab File: VL041629.D
Acq: 25 Sep 2024 18:38

Instrument :
MSVOA_L
ClientSampleId :
SV1DL

Tgt Ion: 50 Resp: 7409
Ion Ratio Lower Upper
50 100
52 17.4 25.4 38.2

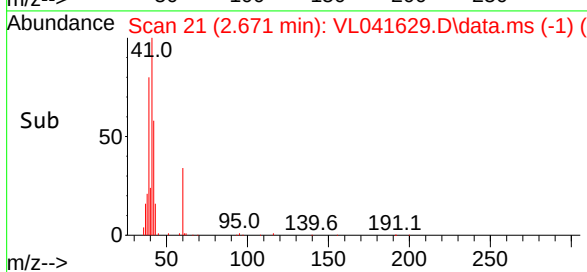
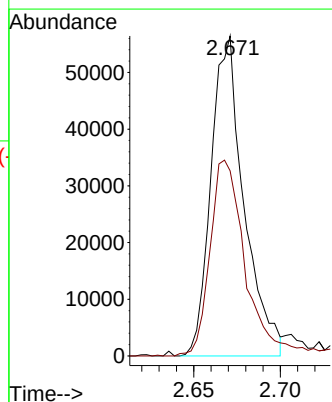
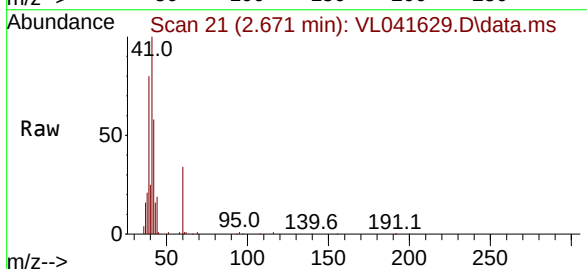
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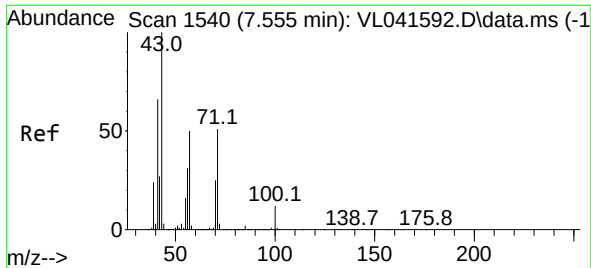
Reviewed By :Semsettin Yesilyurt 09/26/2024
Supervised By :Mahesh Dadoda 09/26/2024



#9
Propene
Concen: 1.418 ppbv
RT: 2.671 min Scan# 21
Delta R.T. 0.000 min
Lab File: VL041629.D
Acq: 25 Sep 2024 18:38

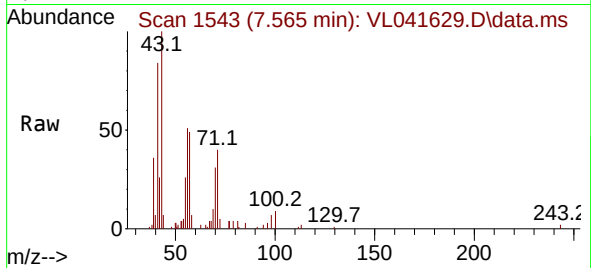
Tgt Ion: 41 Resp: 74515
Ion Ratio Lower Upper
41 100
42 67.9 55.2 82.8





#10
Heptane
Concen: 0.307 ppbv
RT: 7.565 min Scan# 11
Delta R.T. 0.010 min
Lab File: VL041629.D
Acq: 25 Sep 2024 18:38

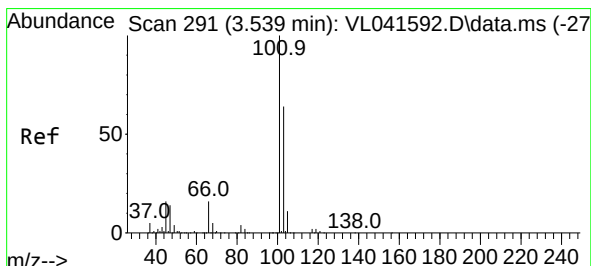
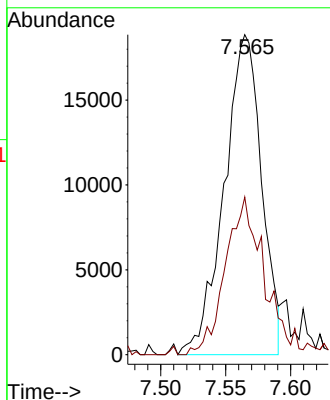
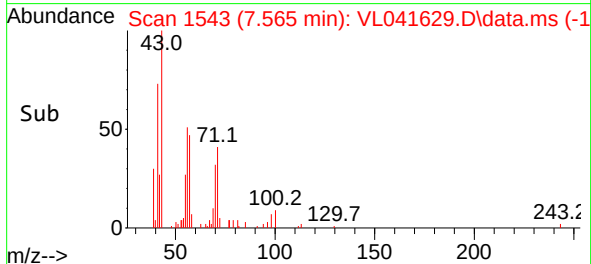
Instrument :
MSVOA_L
ClientSampleId :
SV1DL



Tgt Ion: 43 Resp: 3778
Ion Ratio Lower Upper
43 100
57 52.8 39.8 59.8

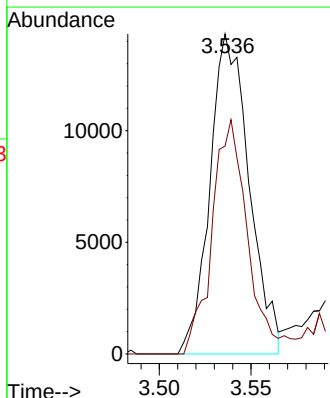
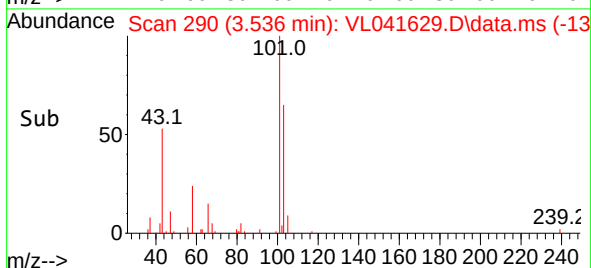
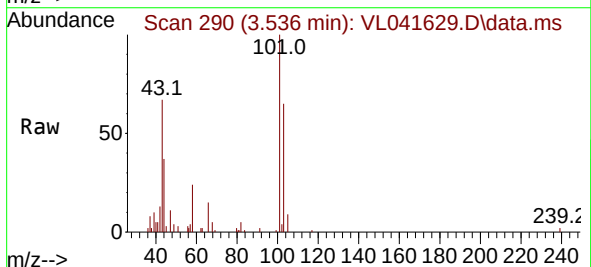
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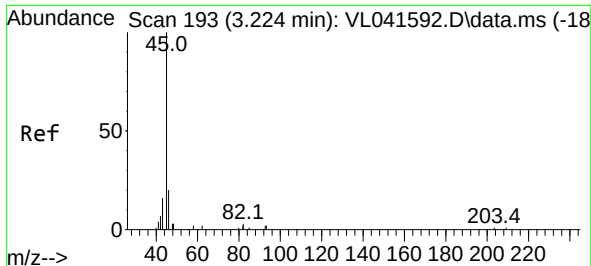
Reviewed By :Semsettin Yesilyurt 09/26/2024
Supervised By :Mahesh Dadoda 09/26/2024



#11
Trichlorofluoromethane
Concen: 0.135 ppbv
RT: 3.536 min Scan# 290
Delta R.T. -0.003 min
Lab File: VL041629.D
Acq: 25 Sep 2024 18:38

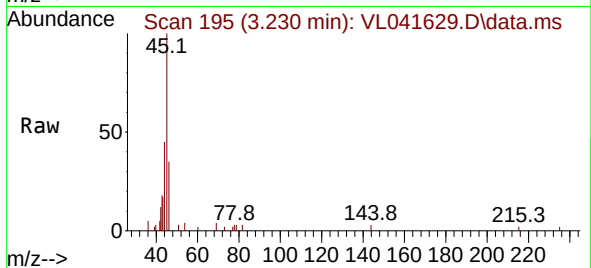
Tgt Ion:101 Resp: 21334
Ion Ratio Lower Upper
101 100
103 65.0 51.2 76.8





#13
Ethanol
Concen: 4.722 ppbv m
RT: 3.230 min Scan# 193
Delta R.T. 0.007 min
Lab File: VL041629.D
Acq: 25 Sep 2024 18:38

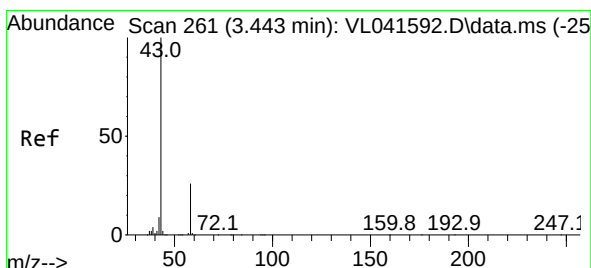
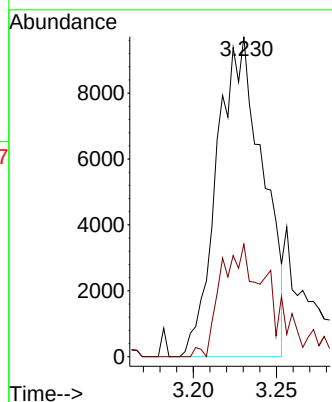
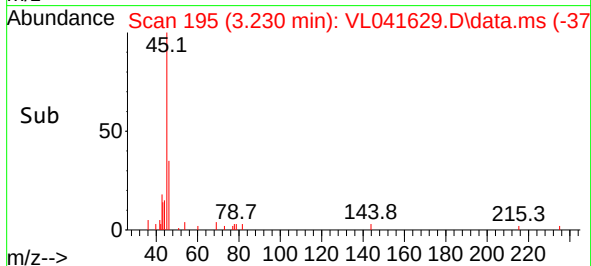
Instrument :
MSVOA_L
ClientSampleId :
SV1DL



Tgt Ion: 45 Resp: 18649
Ion Ratio Lower Upper
45 100
46 36.5 15.2 60.8

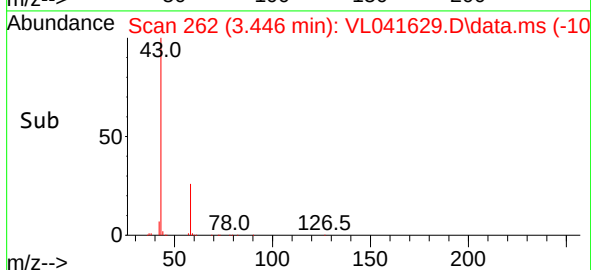
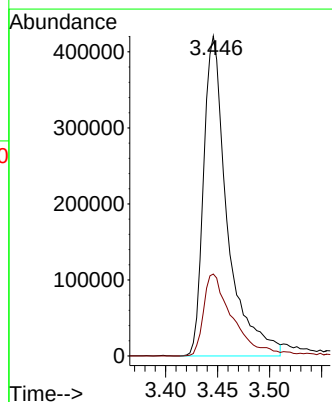
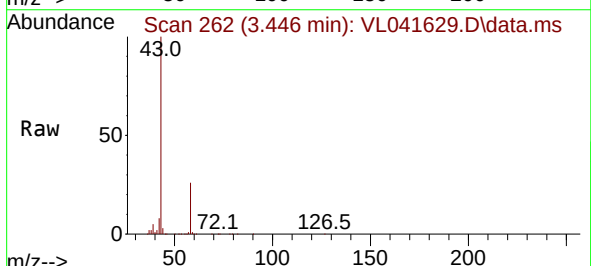
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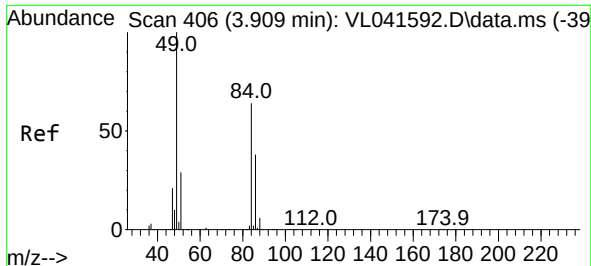
Reviewed By :Semsettin Yesilyurt 09/26/2024
Supervised By :Mahesh Dadoda 09/26/2024



#15
Acetone
Concen: 5.195 ppbv
RT: 3.446 min Scan# 262
Delta R.T. 0.003 min
Lab File: VL041629.D
Acq: 25 Sep 2024 18:38

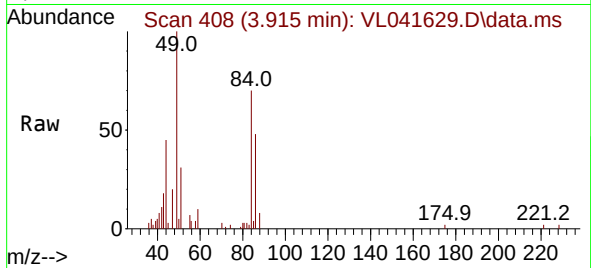
Tgt Ion: 43 Resp: 669683
Ion Ratio Lower Upper
43 100
58 32.3 21.5 32.3#





#20
Methylene Chloride
Concen: 0.235 ppbv m
RT: 3.915 min Scan# 406
Delta R.T. 0.007 min
Lab File: VL041629.D
Acq: 25 Sep 2024 18:38

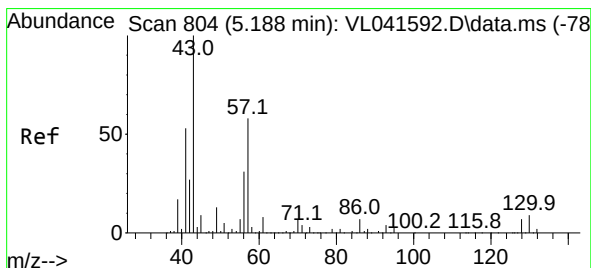
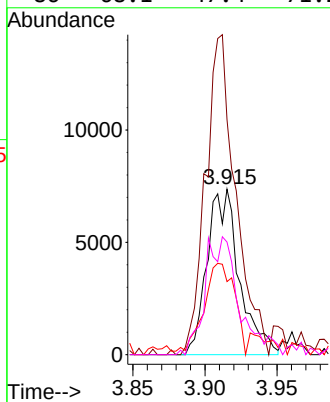
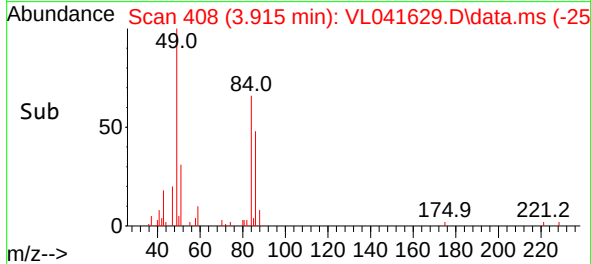
Instrument :
MSVOA_L
ClientSampleId :
SV1DL



Tgt Ion: 84 Resp: 11390
Ion Ratio Lower Upper
84 100
49 142.2 124.3 186.5
51 44.2 36.3 54.5
86 68.1 47.4 71.2

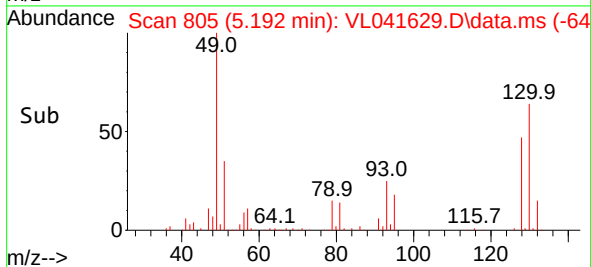
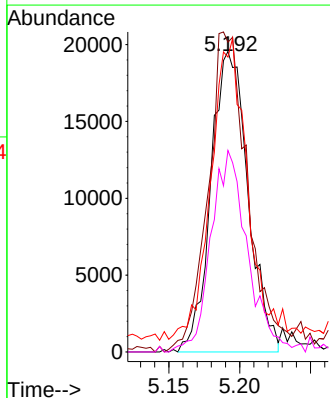
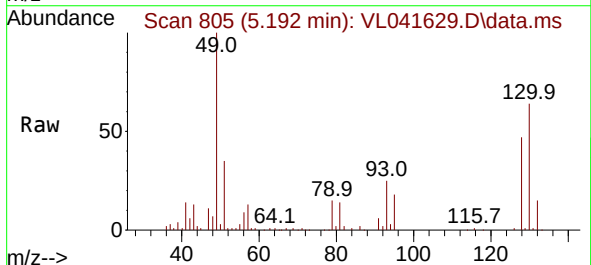
Manual Integrations
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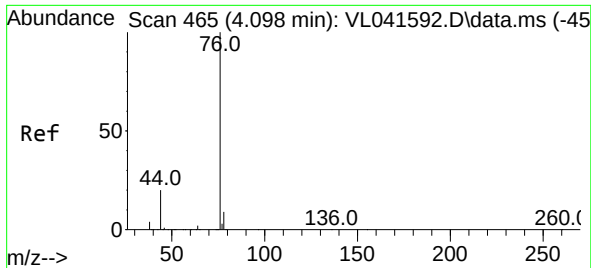
Reviewed By :Semsettin Yesilyurt 09/26/2024
Supervised By :Mahesh Dadoda 09/26/2024



#26
Hexane
Concen: 0.369 ppbv
RT: 5.192 min Scan# 805
Delta R.T. 0.003 min
Lab File: VL041629.D
Acq: 25 Sep 2024 18:38

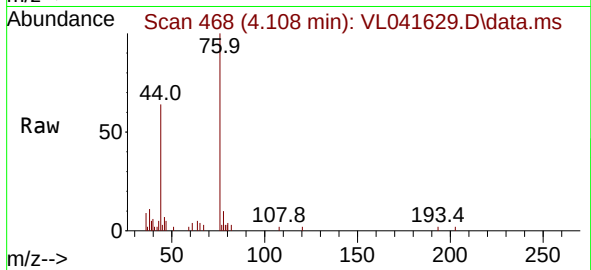
Tgt Ion: 57 Resp: 35650
Ion Ratio Lower Upper
57 100
41 117.9 75.7 113.5#
43 102.9 198.5 297.7#
56 66.1 44.1 66.1





#27
Carbon Disulfide
Concen: 0.169 ppbv m
RT: 4.108 min Scan# 4108
Delta R.T. 0.010 min
Lab File: VL041629.D
Acq: 25 Sep 2024 18:38

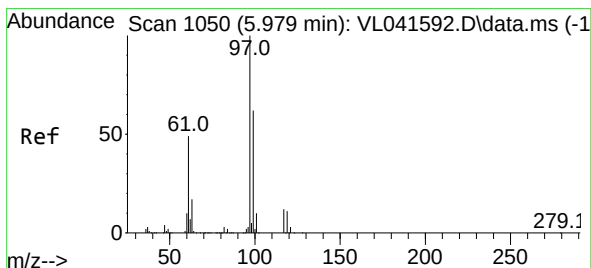
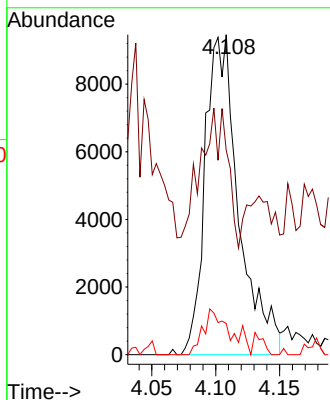
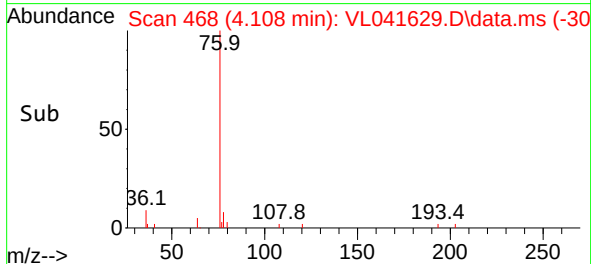
Instrument :
MSVOA_L
ClientSampleId :
SV1DL



Tgt Ion: 76 Resp: 17325
Ion Ratio Lower Upper
76 100
44 38.9 15.8 23.8
78 13.2 7.5 11.3

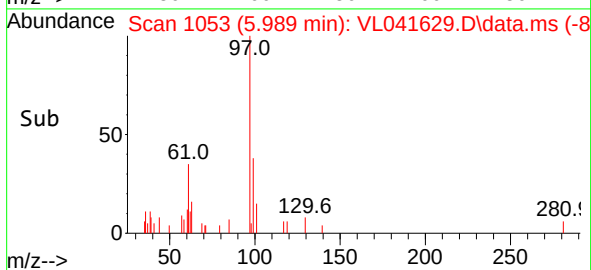
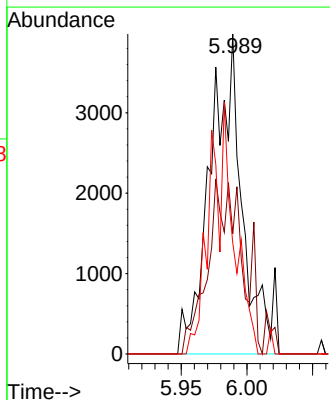
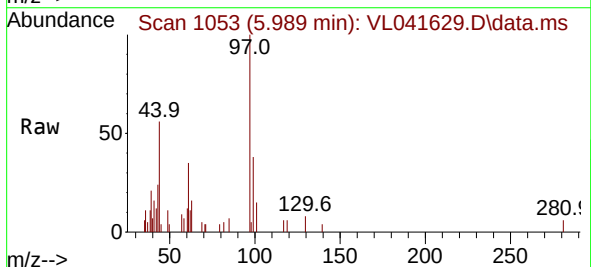
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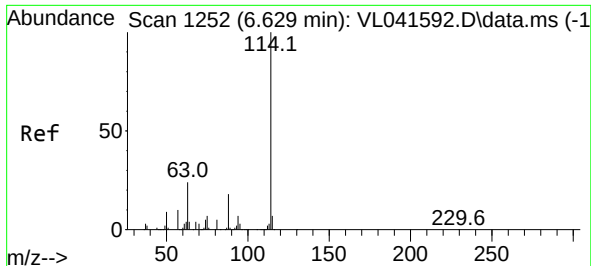
Reviewed By :Semsettin Yesilyurt 09/26/2024
Supervised By :Mahesh Dadoda 09/26/2024



#32
1,1,1-Trichloroethane
Concen: 0.048 ppbv m
RT: 5.989 min Scan# 1053
Delta R.T. 0.010 min
Lab File: VL041629.D
Acq: 25 Sep 2024 18:38

Tgt Ion: 97 Resp: 6775
Ion Ratio Lower Upper
97 100
99 61.2 51.0 76.4
61 59.0 41.0 61.6





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.635 min Scan# 11

Delta R.T. 0.007 min

Lab File: VL041629.D

Acq: 25 Sep 2024 18:38

Instrument :

MSVOA_L

ClientSampleId :

SV1DL

Tgt Ion:114 Resp: 272077

Ion Ratio Lower Upper

114 100

63 25.4 20.2 30.2

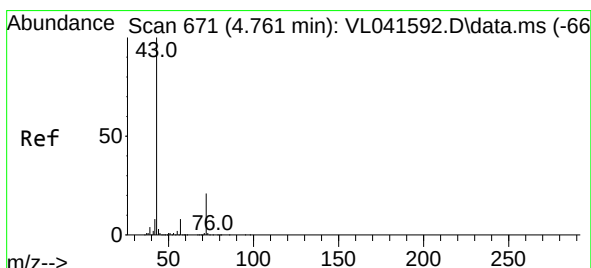
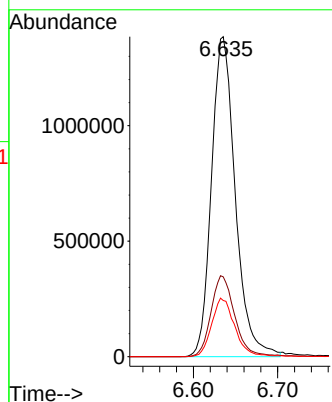
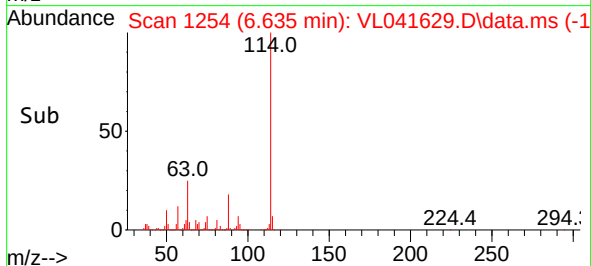
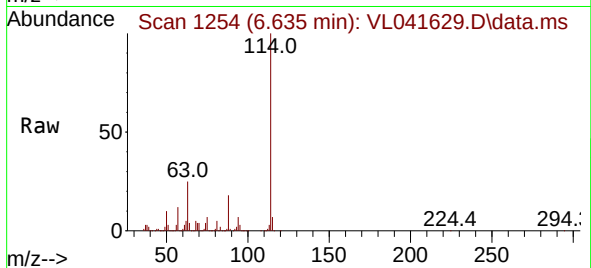
88 18.0 14.2 21.4

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 09/26/2024

Supervised By :Mahesh Dadoda 09/26/2024



#34

2-Butanone

Concen: 4.921 ppbv

RT: 4.771 min Scan# 674

Delta R.T. 0.010 min

Lab File: VL041629.D

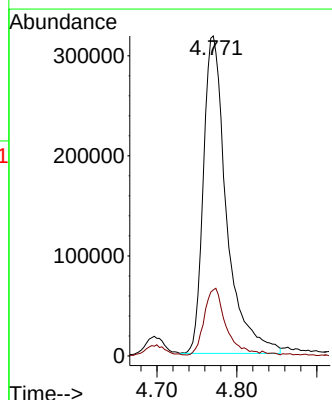
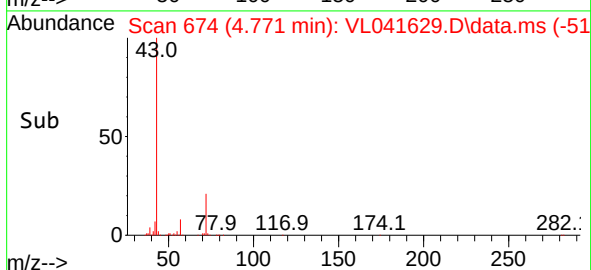
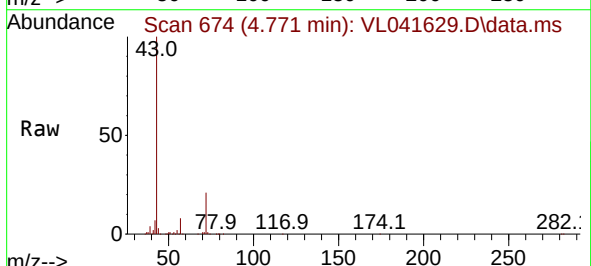
Acq: 25 Sep 2024 18:38

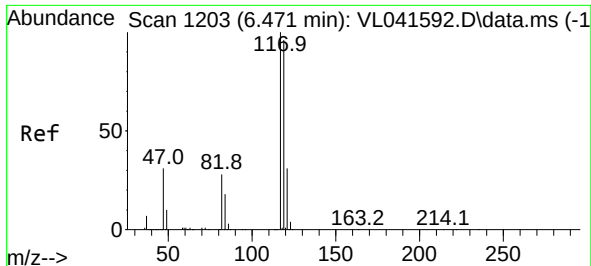
Tgt Ion: 43 Resp: 638390

Ion Ratio Lower Upper

43 100

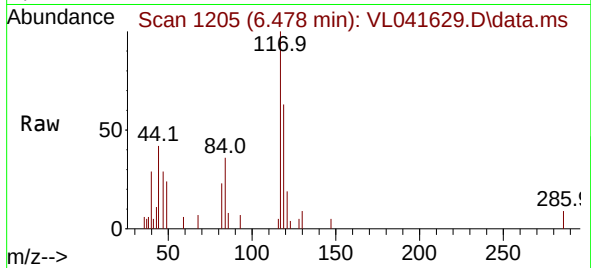
72 21.8 16.8 25.2





#35
Carbon Tetrachloride
Concen: 0.046 ppbv m
RT: 6.478 min Scan# 1165
Delta R.T. 0.007 min
Lab File: VL041629.D
Acq: 25 Sep 2024 18:38

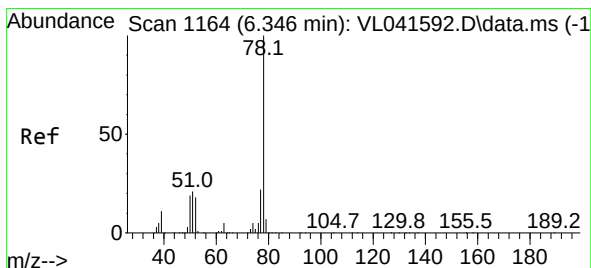
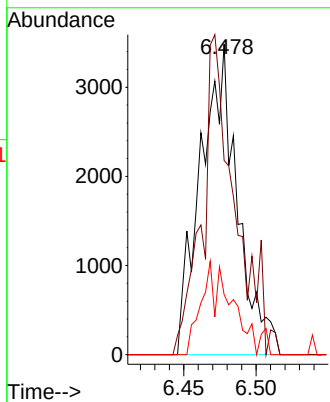
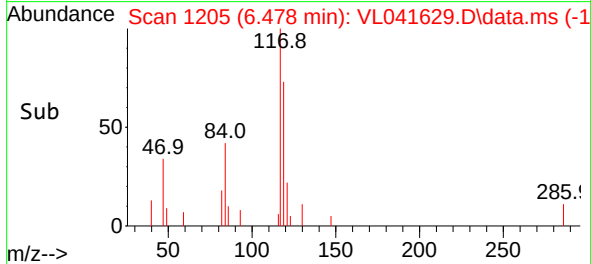
Instrument :
MSVOA_L
ClientSampleId :
SV1DL



Tgt Ion: 117 Resp: 616
Ion Ratio Lower Upper
117 100
119 62.5 76.8 115.2
121 19.3 25.0 37.6

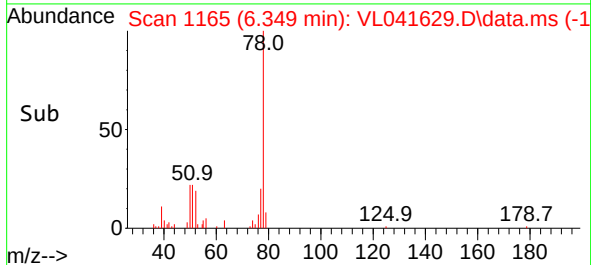
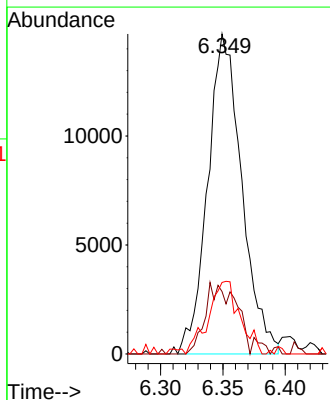
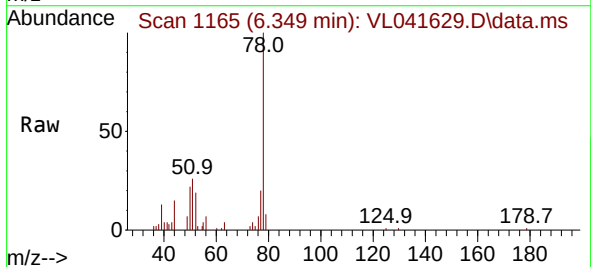
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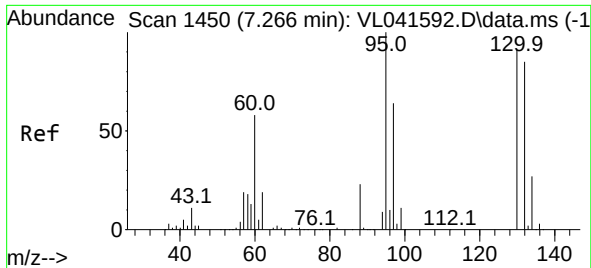
Reviewed By :Semsettin Yesilyurt 09/26/2024
Supervised By :Mahesh Dadoda 09/26/2024



#36
Benzene
Concen: 0.148 ppbv
RT: 6.349 min Scan# 1165
Delta R.T. 0.003 min
Lab File: VL041629.D
Acq: 25 Sep 2024 18:38

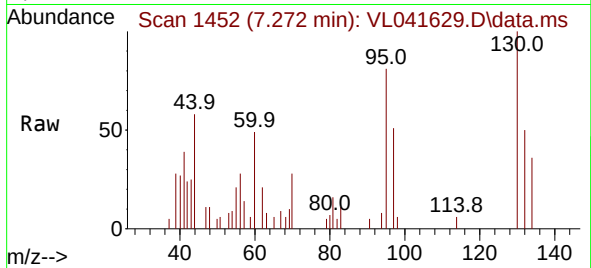
Tgt Ion: 78 Resp: 27909
Ion Ratio Lower Upper
78 100
77 20.0 17.8 26.6
50 21.7 15.4 23.0





#38
 Trichloroethene
 Concen: 0.051 ppbv m
 RT: 7.272 min Scan# 1450
 Delta R.T. 0.007 min
 Lab File: VL041629.D
 Acq: 25 Sep 2024 18:38

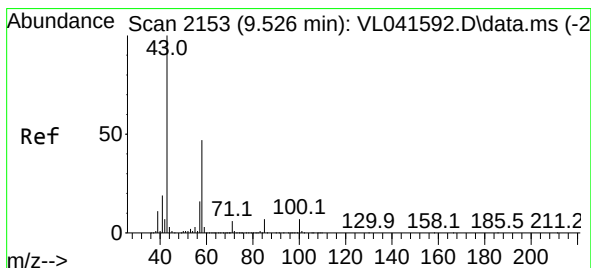
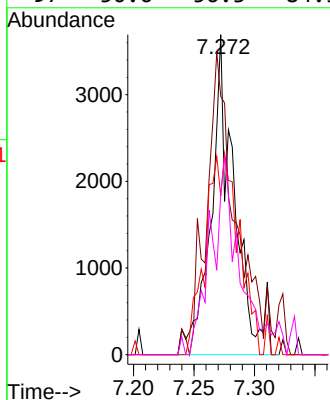
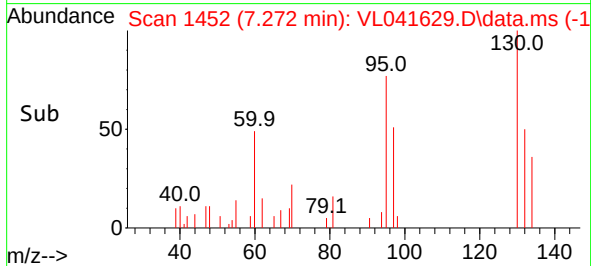
Instrument :
 MSVOA_L
 ClientSampleId :
 SV1DL



Tgt Ion:130 Resp: 497
 Ion Ratio Lower Upper
 130 100
 95 80.7 87.7 131.5
 132 49.6 74.5 111.7
 97 50.6 56.3 84.5

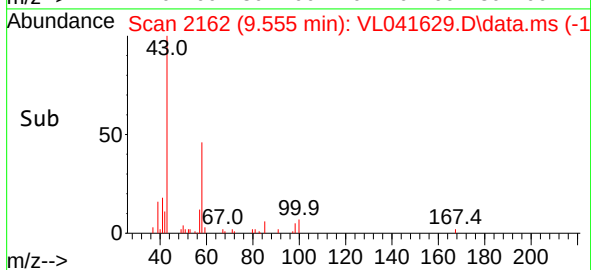
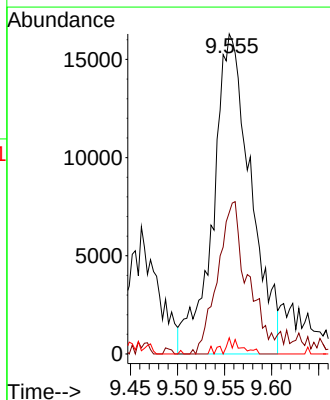
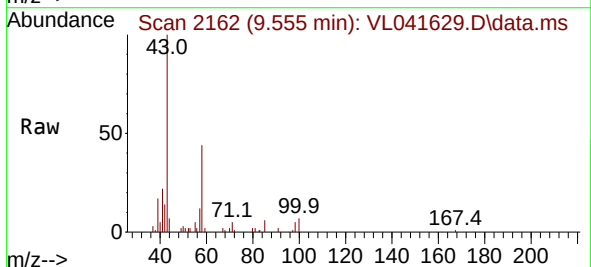
Manual Integrations
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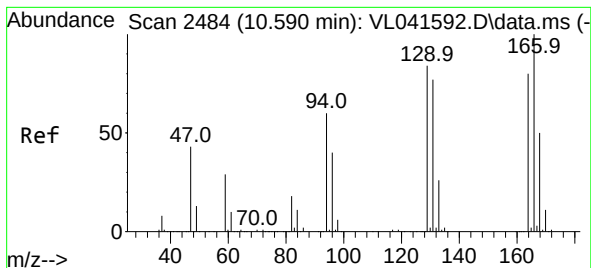
Reviewed By :Semsettin Yesilyurt 09/26/2024
 Supervised By :Mahesh Dadoda 09/26/2024



#51
 2-Hexanone
 Concen: 0.298 ppbv m
 RT: 9.555 min Scan# 2162
 Delta R.T. 0.029 min
 Lab File: VL041629.D
 Acq: 25 Sep 2024 18:38

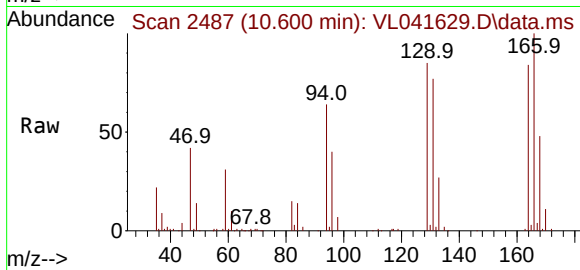
Tgt Ion: 43 Resp: 45169
 Ion Ratio Lower Upper
 43 100
 58 0.0 37.2 55.8#
 98 0.0 0.5 0.7#





#52
Tetrachloroethene
Concen: 1.499 ppbv
RT: 10.600 min Scan# 2484
Delta R.T. 0.010 min
Lab File: VL041629.D
Acq: 25 Sep 2024 18:38

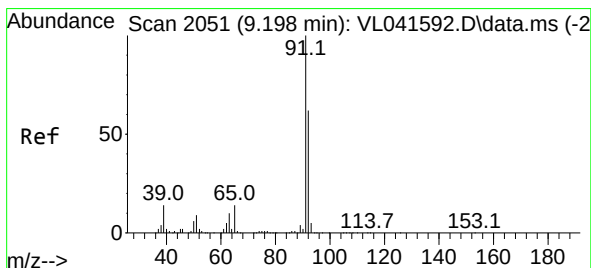
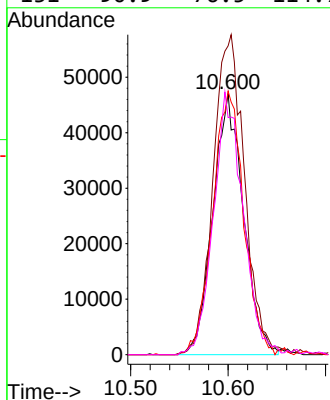
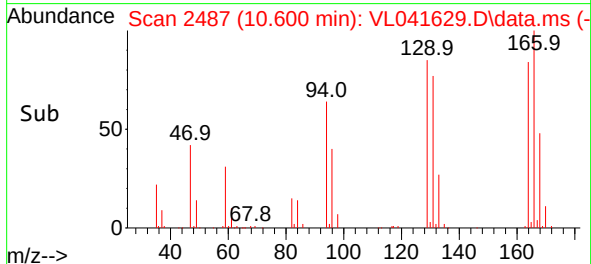
Instrument :
MSVOA_L
ClientSampleId :
SV1DL



Tgt Ion:164 Resp: 102550
Ion Ratio Lower Upper
164 100
166 118.0 99.4 149.2
129 101.1 83.5 125.3
131 90.9 76.5 114.7

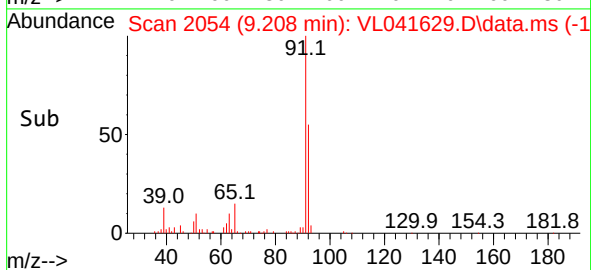
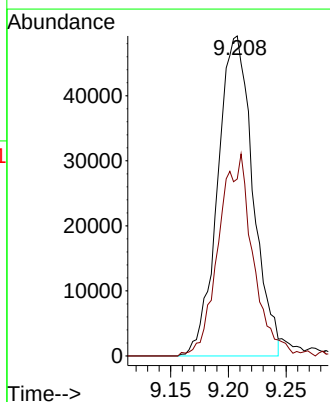
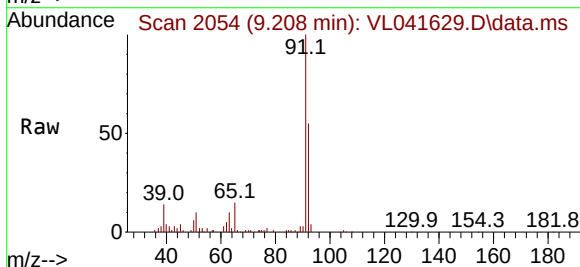
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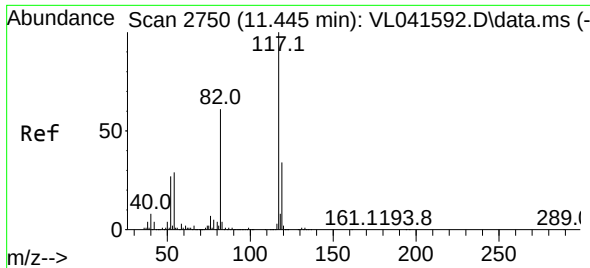
Reviewed By :Semsettin Yesilyurt 09/26/2024
Supervised By :Mahesh Dadoda 09/26/2024



#53
Toluene
Concen: 0.520 ppbv
RT: 9.208 min Scan# 2054
Delta R.T. 0.010 min
Lab File: VL041629.D
Acq: 25 Sep 2024 18:38

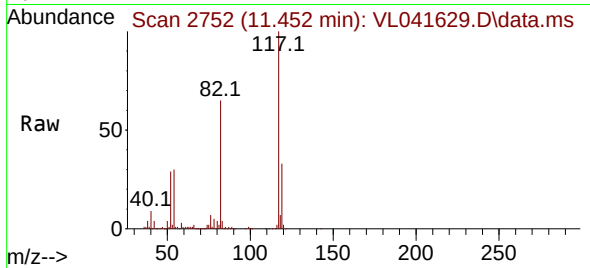
Tgt Ion: 91 Resp: 104319
Ion Ratio Lower Upper
91 100
92 62.3 48.9 73.3





#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.452 min Scan# 21
Delta R.T. 0.007 min
Lab File: VL041629.D
Acq: 25 Sep 2024 18:38

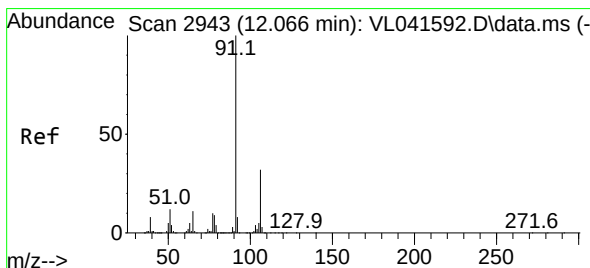
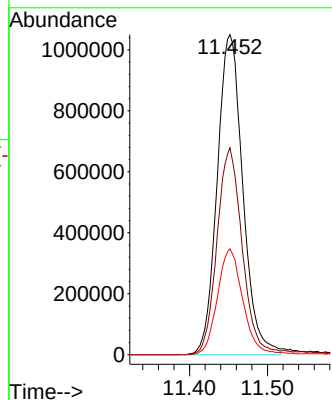
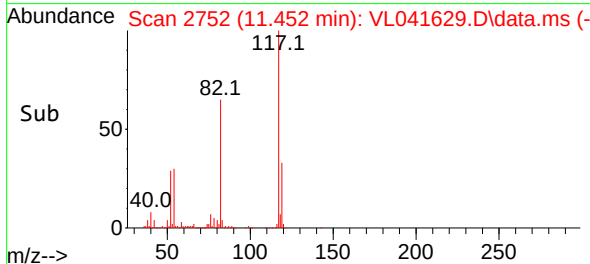
Instrument :
MSVOA_L
ClientSampleId :
SV1DL



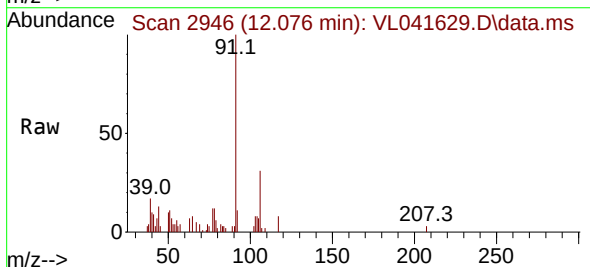
Tgt Ion: 117 Resp: 2399818
Ion Ratio Lower Upper
117 100
82 65.3 49.4 74.2
119 33.4 24.4 36.6

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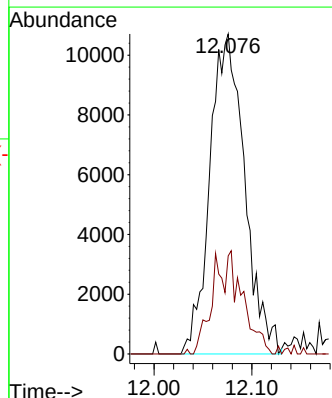
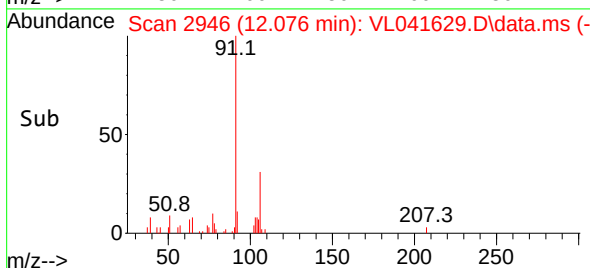
Reviewed By :Semsettin Yesilyurt 09/26/2024
Supervised By :Mahesh Dadoda 09/26/2024

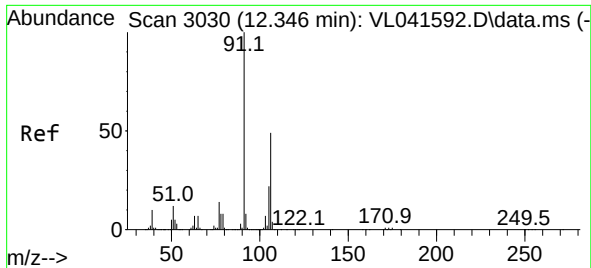


#58
Ethyl Benzene
Concen: 0.103 ppbv m
RT: 12.076 min Scan# 2946
Delta R.T. 0.010 min
Lab File: VL041629.D
Acq: 25 Sep 2024 18:38



Tgt Ion: 91 Resp: 26476
Ion Ratio Lower Upper
91 100
106 30.6 25.8 38.6





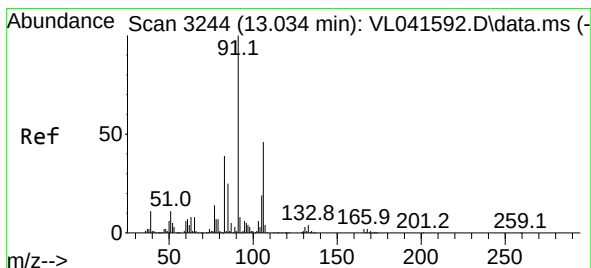
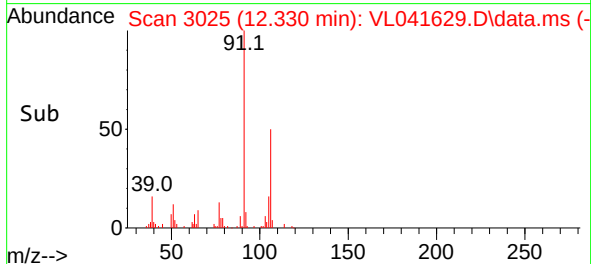
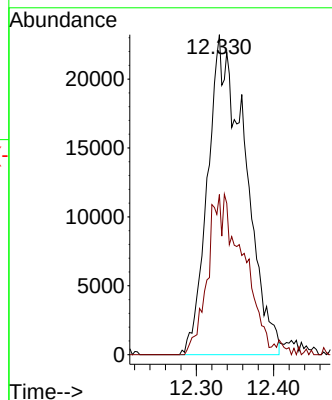
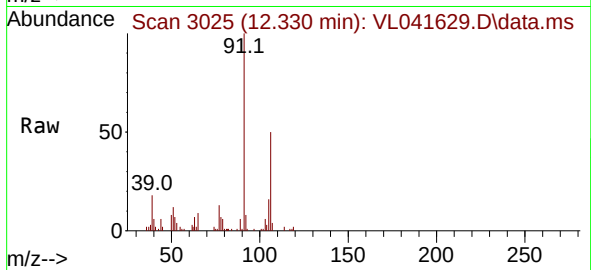
#59
m/p-Xylene
Concen: 0.341 ppbv m
RT: 12.330 min Scan# 3030
Delta R.T. -0.016 min
Lab File: VL041629.D
Acq: 25 Sep 2024 18:38

Instrument :
MSVOA_L
ClientSampleId :
SV1DL

Tgt Ion: 91 Resp: 77870
Ion Ratio Lower Upper
91 100
106 0.0 36.8 55.2

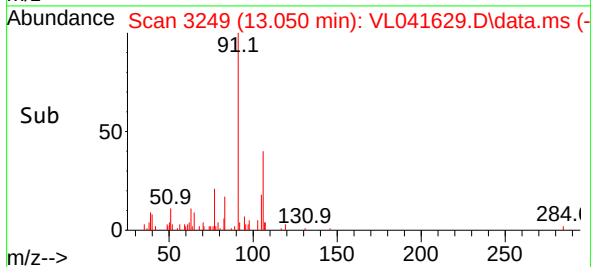
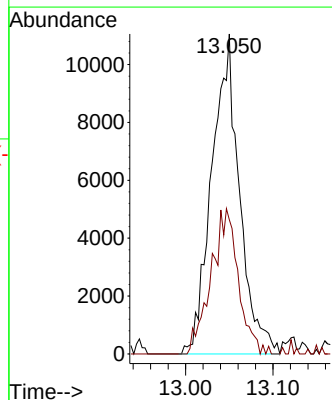
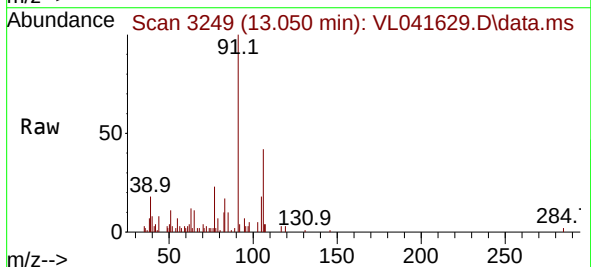
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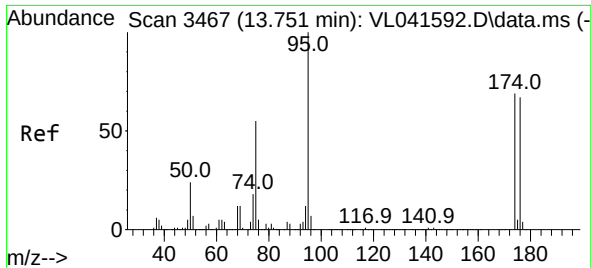
Reviewed By :Semsettin Yesilyurt 09/26/2024
Supervised By :Mahesh Dadoda 09/26/2024



#60
o-Xylene
Concen: 0.111 ppbv m
RT: 13.050 min Scan# 3249
Delta R.T. 0.016 min
Lab File: VL041629.D
Acq: 25 Sep 2024 18:38

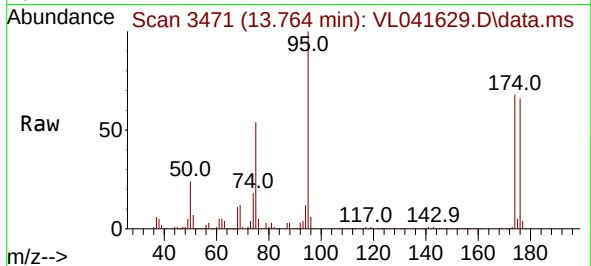
Tgt Ion: 91 Resp: 24301
Ion Ratio Lower Upper
91 100
106 0.0 23.1 69.3





#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.987 ppbv
 RT: 13.764 min Scan# 3467
 Delta R.T. 0.013 min
 Lab File: VL041629.D
 Acq: 25 Sep 2024 18:38

Instrument :
 MSVOA_L
 ClientSampleId :
 SV1DL



Tgt Ion: 95 Resp: 1764362
 Ion Ratio Lower Upper
 95 100
 174 71.4 55.8 83.8
 175 5.0 4.1 6.1

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

