

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL121124\
 Data File : VL041748.D
 Acq On : 12 Dec 2024 13:10
 Operator : SY/MD
 Sample : P5150-05
 Misc : 400mL/MSVOA_L
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SV4

Quant Time: Dec 12 14:05:24 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL121124AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 2
 QLast Update : Thu Dec 12 13:35:39 2024
 Response via : Initial Calibration

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 12/13/2024
 Supervised By :Semsettin Yesilyurt 12/13/2024

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

Internal Standards						
1) Bromochloromethane	2.774	49	237429	10.000	ppbv	-0.02
33) 1,4-Difluorobenzene	3.942	114	1121250	10.000	ppbv	-0.03
55) Chlorobenzene-d5	8.869	117	991065	10.000	ppbv	-0.03
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.367	95	660020	10.130	ppbv	-0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.300%
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.492	85	21357	0.512	ppbv	95
4) Chloromethane	1.525	50	4731	0.428	ppbv	98
9) Propene	1.479	41	5387m	0.391	ppbv	
10) Heptane	4.952	43	4551	0.119	ppbv	93
11) Trichlorofluoromethane	1.868	101	11101	0.231	ppbv	99
13) Ethanol	1.722	45	40338	35.384	ppbv	96
15) Acetone	1.829	43	64714	2.361	ppbv	99
19) Isopropyl Alcohol	1.887	45	11675	0.448	ppbv #	1
20) Methylene Chloride	2.052	84	224356	13.512	ppbv	98
26) Hexane	2.813	57	88104	2.384	ppbv #	45
29) Chloroform	2.839	83	22812	0.403	ppbv	99
34) 2-Butanone	2.551	43	14521	0.370	ppbv	99
35) Carbon Tetrachloride	3.752	117	2786	0.053	ppbv #	78
36) Benzene	3.642	78	8522	0.097	ppbv #	94
38) Trichloroethene	4.528	130	42924	0.939	ppbv	97
52) Tetrachloroethene	8.208	164	118547	2.538	ppbv	99
53) Toluene	6.914	91	30351	0.280	ppbv	100

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

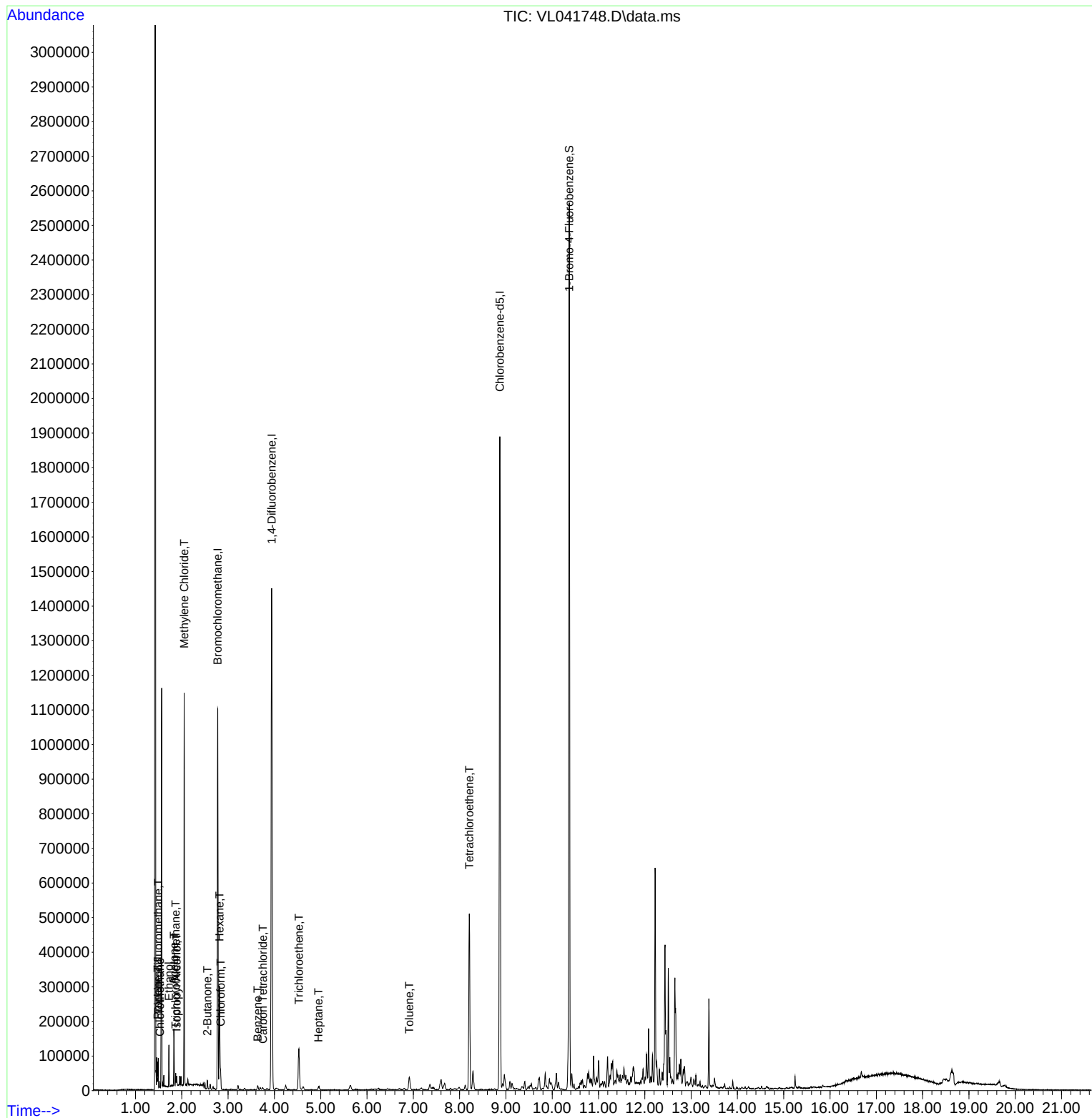
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Data File : VL041748.D
Acq On : 12 Dec 2024 13:10
Operator : SY/MD
Sample : P5150-05
Misc : 400mL/MSVOA_L
ALS Vial : 11 Sample Multiplier: 1

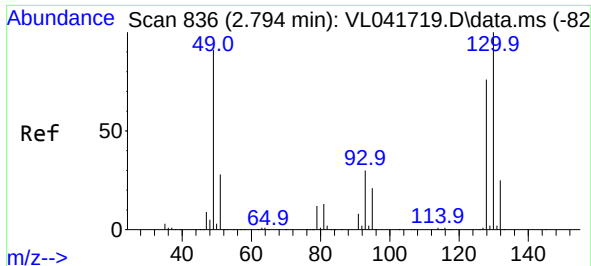
Instrument :
MSVOA_L
ClientSampleId :
SV4

Quant Time: Dec 12 14:05:24 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL121124AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug
QLast Update : Thu Dec 12 13:35:39 2024
Response via : Initial Calibration

Manual Integrations
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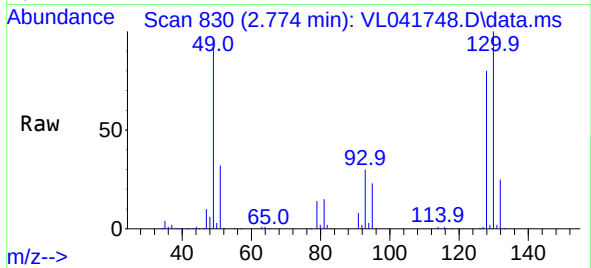
Reviewed By :Mahesh Dadoda 12/13/2024
Supervised By :Semsettin Yesilyurt 12/13/2024





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.774 min Scan# 836
Delta R.T. -0.020 min
Lab File: VL041748.D
Acq: 12 Dec 2024 13:10

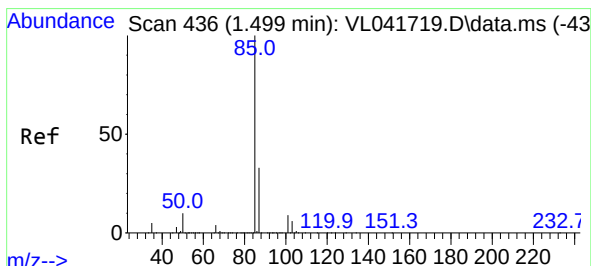
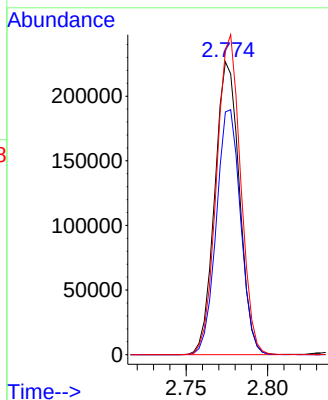
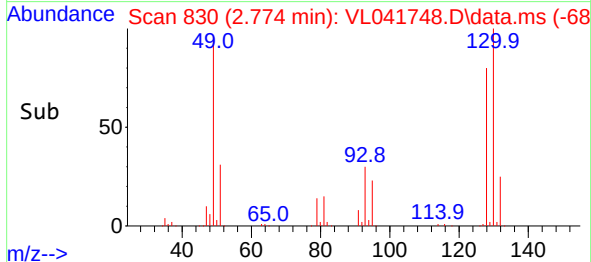
Instrument :
MSVOA_L
ClientSampleId :
SV4



Tgt Ion: 49 Resp: 237429
Ion Ratio Lower Upper
49 100
128 82.5 42.8 128.3
130 106.6 55.8 167.4

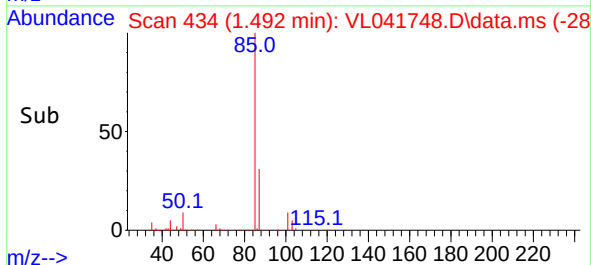
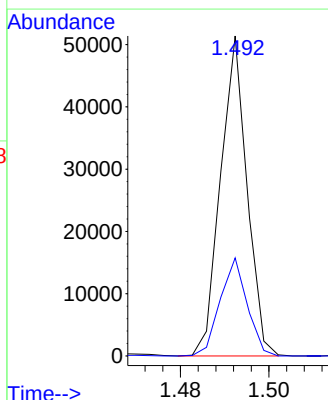
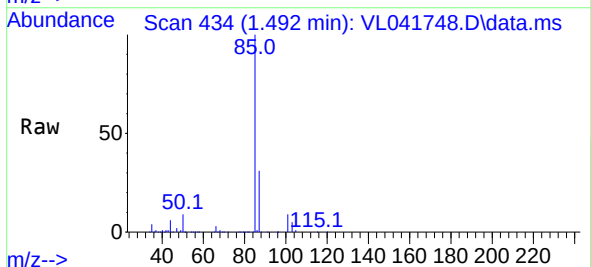
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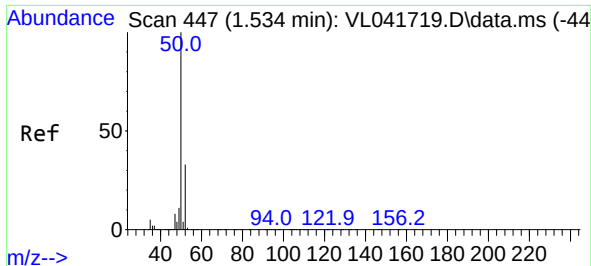
Reviewed By :Mahesh Dadoda 12/13/2024
Supervised By :Semsettin Yesilyurt 12/13/2024



#2
Dichlorodifluoromethane
Concen: 0.512 ppbv
RT: 1.492 min Scan# 434
Delta R.T. -0.006 min
Lab File: VL041748.D
Acq: 12 Dec 2024 13:10

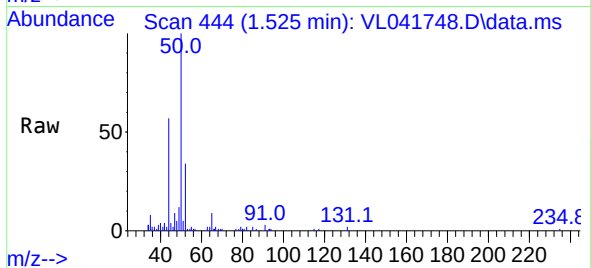
Tgt Ion: 85 Resp: 21357
Ion Ratio Lower Upper
85 100
87 30.6 26.6 39.8





#4
Chloromethane
Concen: 0.428 ppbv
RT: 1.525 min Scan# 447
Delta R.T. -0.010 min
Lab File: VL041748.D
Acq: 12 Dec 2024 13:10

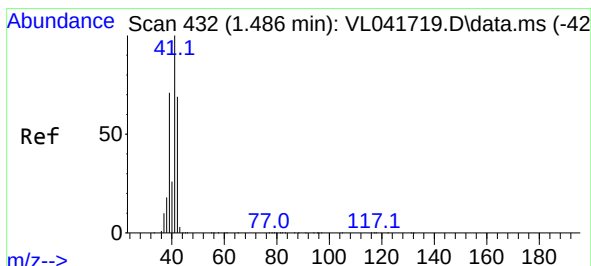
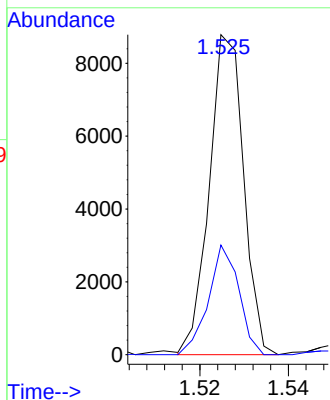
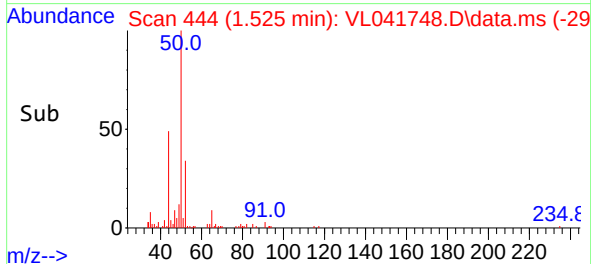
Instrument :
MSVOA_L
ClientSampleId :
SV4



Tgt Ion: 50 Resp: 473
Ion Ratio Lower Upper
50 100
52 34.5 26.6 40.0

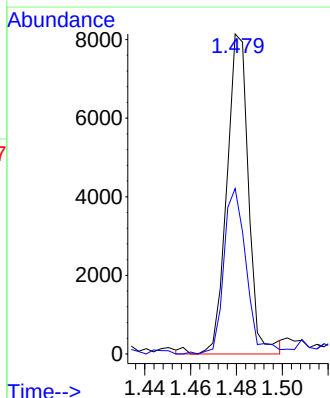
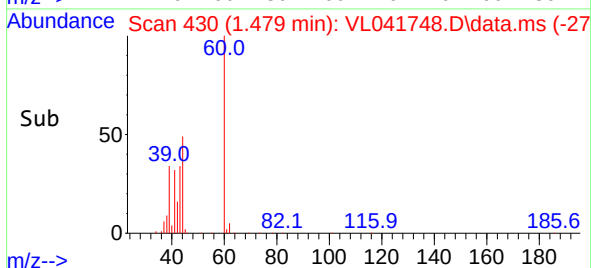
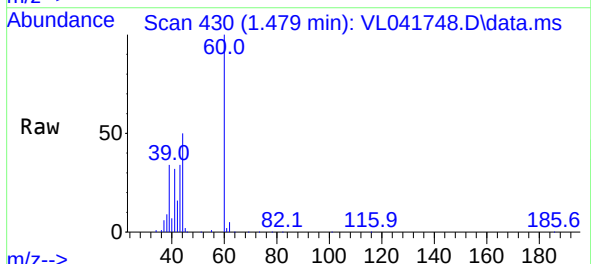
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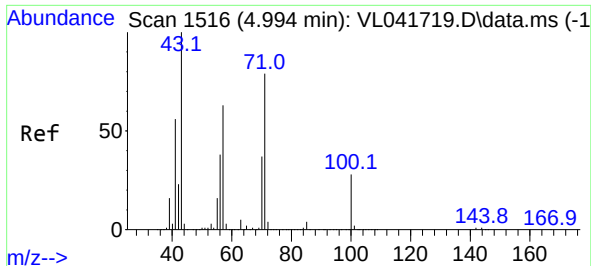
Reviewed By :Mahesh Dadoda 12/13/2024
Supervised By :Semsettin Yesilyurt 12/13/2024



#9
Propene
Concen: 0.391 ppbv m
RT: 1.479 min Scan# 430
Delta R.T. -0.007 min
Lab File: VL041748.D
Acq: 12 Dec 2024 13:10

Tgt Ion: 41 Resp: 5387
Ion Ratio Lower Upper
41 100
42 39.6 56.2 84.4#





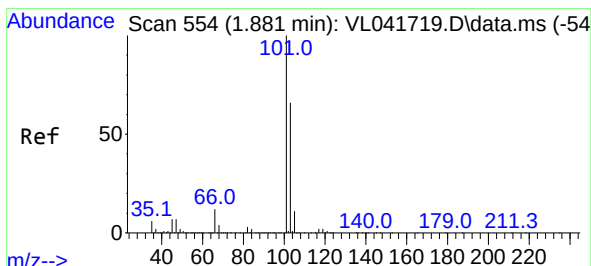
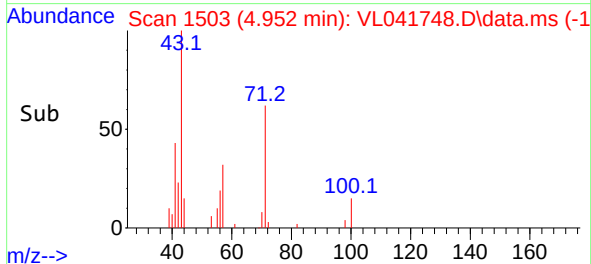
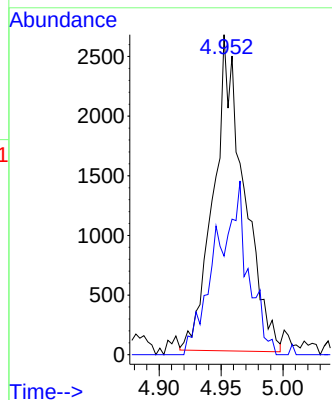
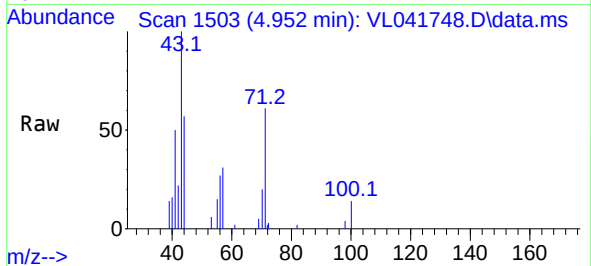
#10
Heptane
Concen: 0.119 ppbv
RT: 4.952 min Scan# 11
Delta R.T. -0.042 min
Lab File: VL041748.D
Acq: 12 Dec 2024 13:10

Instrument :
MSVOA_L
ClientSampleId :
SV4

Tgt Ion: 43 Resp: 455
Ion Ratio Lower Upper
43 100
57 57.9 50.5 75.7

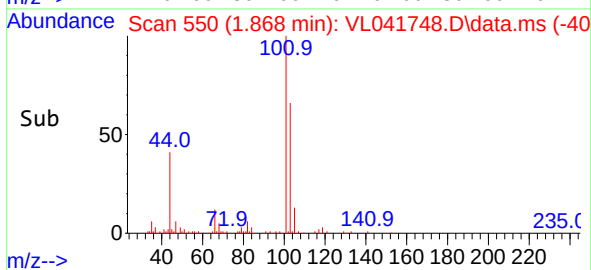
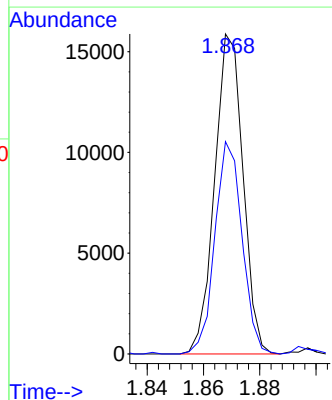
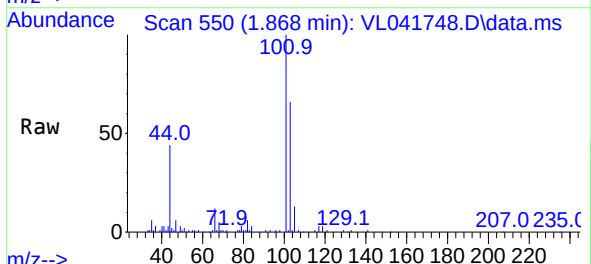
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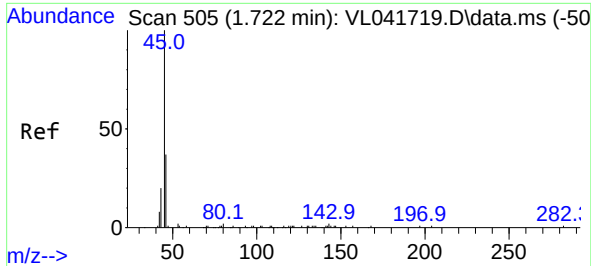
Reviewed By :Mahesh Dadoda 12/13/2024
Supervised By :Semsettin Yesilyurt 12/13/2024



#11
Trichlorofluoromethane
Concen: 0.231 ppbv
RT: 1.868 min Scan# 550
Delta R.T. -0.013 min
Lab File: VL041748.D
Acq: 12 Dec 2024 13:10

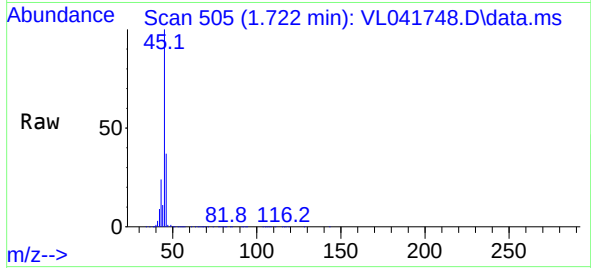
Tgt Ion:101 Resp: 11101
Ion Ratio Lower Upper
101 100
103 66.4 52.7 79.1





#13
Ethanol
Concen: 35.384 ppbv
RT: 1.722 min Scan# 505
Delta R.T. -0.000 min
Lab File: VL041748.D
Acq: 12 Dec 2024 13:10

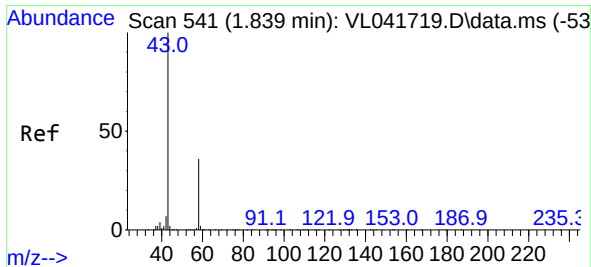
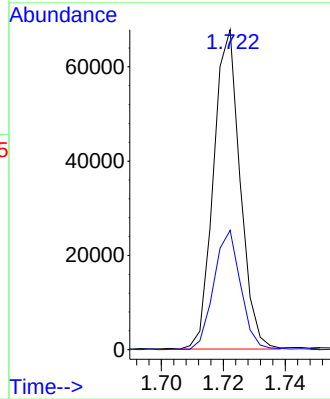
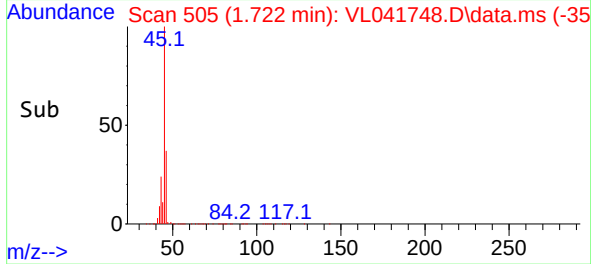
Instrument :
MSVOA_L
ClientSampleId :
SV4



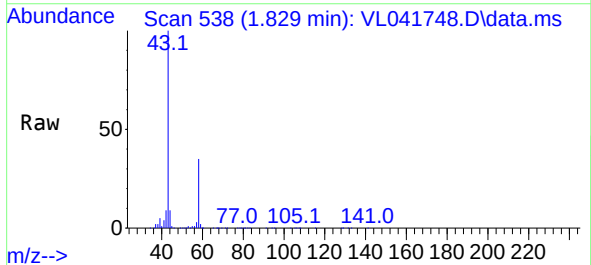
Tgt Ion: 45 Resp: 40338
Ion Ratio Lower Upper
45 100
46 38.9 16.6 66.6

Manual Integrations
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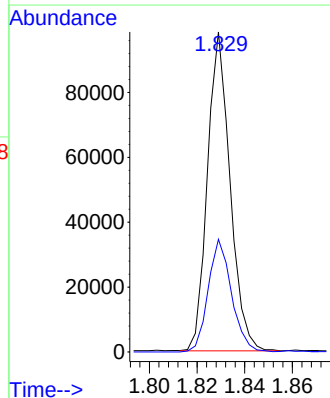
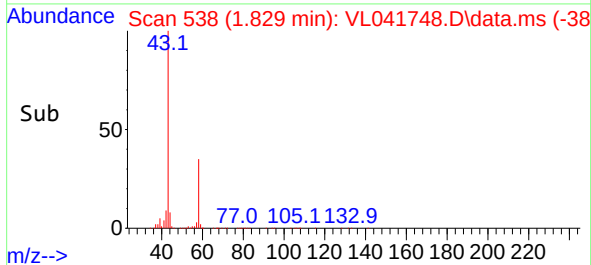
Reviewed By :Mahesh Dadoda 12/13/2024
Supervised By :Semsettin Yesilyurt 12/13/2024

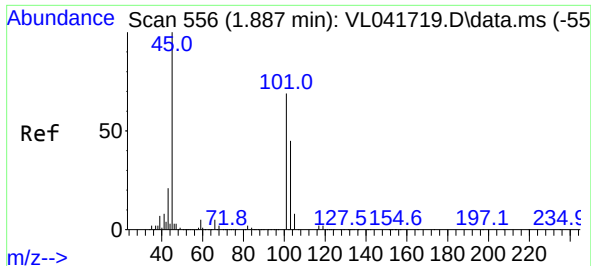


#15
Acetone
Concen: 2.361 ppbv
RT: 1.829 min Scan# 538
Delta R.T. -0.010 min
Lab File: VL041748.D
Acq: 12 Dec 2024 13:10



Tgt Ion: 43 Resp: 64714
Ion Ratio Lower Upper
43 100
58 36.9 28.9 43.3





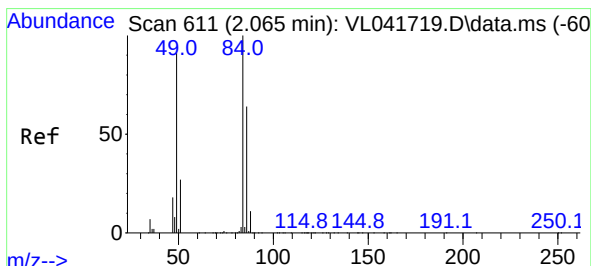
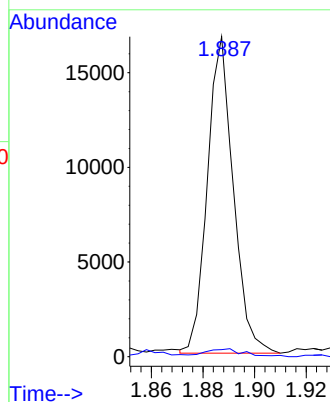
#19
Isopropyl Alcohol
Concen: 0.448 ppbv
RT: 1.887 min Scan# 511
Delta R.T. -0.000 min
Lab File: VL041748.D
Acq: 12 Dec 2024 13:10

Instrument :
MSVOA_L
ClientSampleId :
SV4

Tgt Ion: 45 Resp: 1167
Ion Ratio Lower Upper
45 100
58 204.5 40.6 61.0

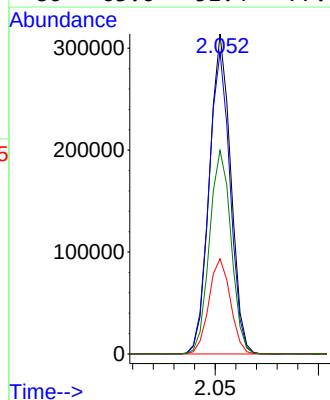
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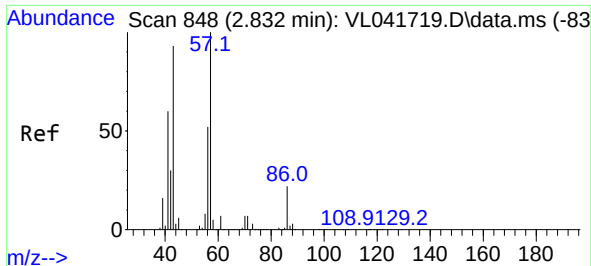
Reviewed By :Mahesh Dadoda 12/13/2024
Supervised By :Semsettin Yesilyurt 12/13/2024



#20
Methylene Chloride
Concen: 13.512 ppbv
RT: 2.052 min Scan# 607
Delta R.T. -0.013 min
Lab File: VL041748.D
Acq: 12 Dec 2024 13:10

Tgt Ion: 84 Resp: 224356
Ion Ratio Lower Upper
84 100
49 94.4 73.6 110.4
51 29.7 22.7 34.1
86 63.6 51.4 77.0





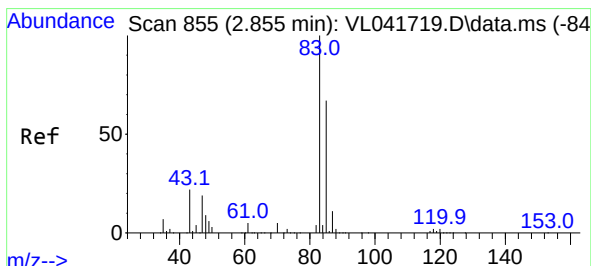
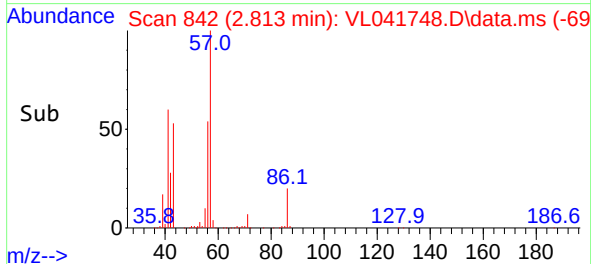
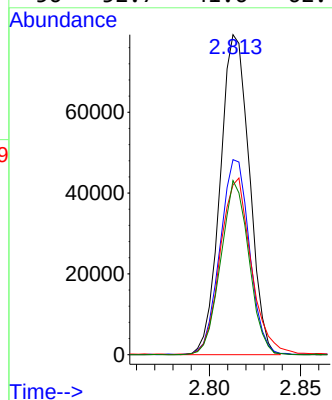
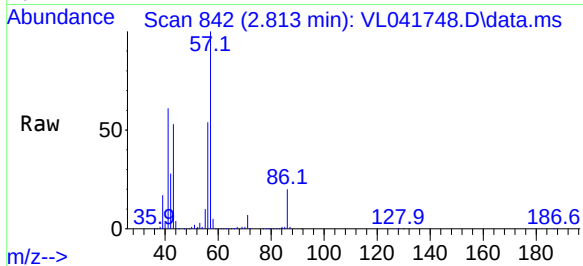
#26
Hexane
Concen: 2.384 ppbv
RT: 2.813 min Scan# 84
Delta R.T. -0.019 min
Lab File: VL041748.D
Acq: 12 Dec 2024 13:10

Instrument :
MSVOA_L
ClientSampleId :
SV4

Tgt Ion: 57 Resp: 88104
Ion Ratio Lower Upper
57 100
41 62.0 49.5 74.3
43 58.9 150.6 225.8
56 52.7 41.6 62.4

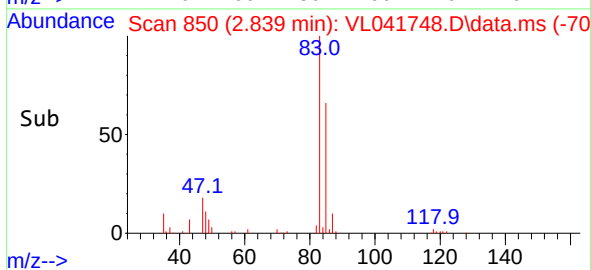
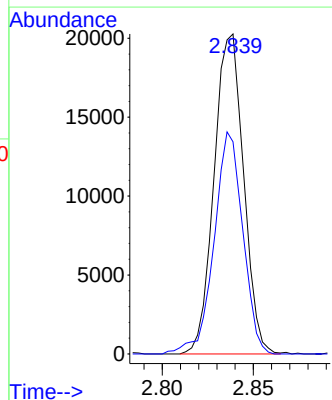
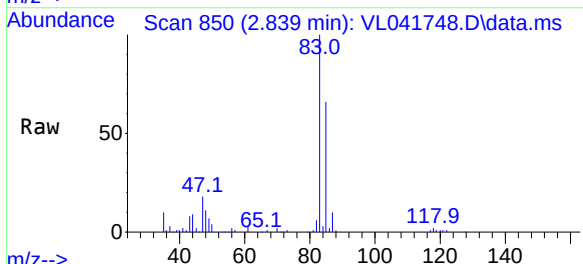
Manual Integrations
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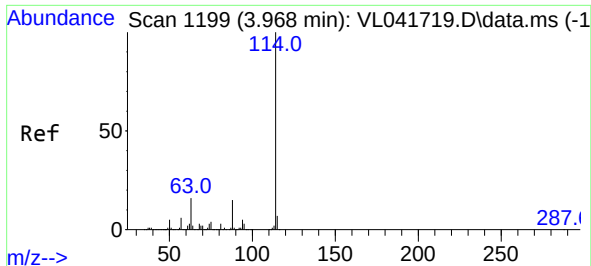
Reviewed By :Mahesh Dadoda 12/13/2024
Supervised By :Semsettin Yesilyurt 12/13/2024



#29
Chloroform
Concen: 0.403 ppbv
RT: 2.839 min Scan# 850
Delta R.T. -0.016 min
Lab File: VL041748.D
Acq: 12 Dec 2024 13:10

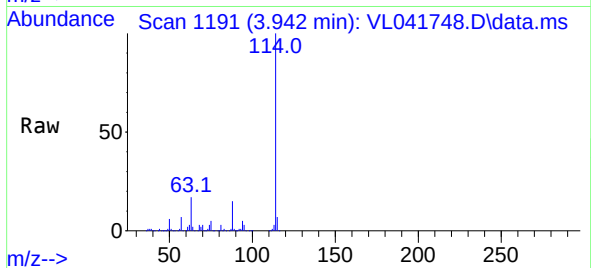
Tgt Ion: 83 Resp: 22812
Ion Ratio Lower Upper
83 100
85 66.3 53.6 80.4





#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.942 min Scan# 1199
Delta R.T. -0.026 min
Lab File: VL041748.D
Acq: 12 Dec 2024 13:10

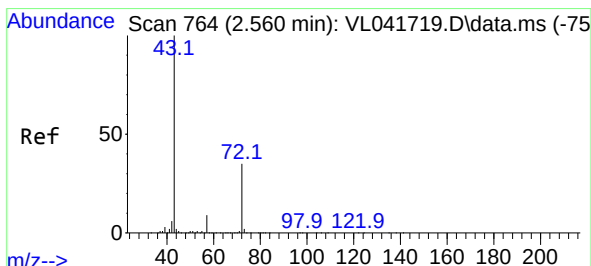
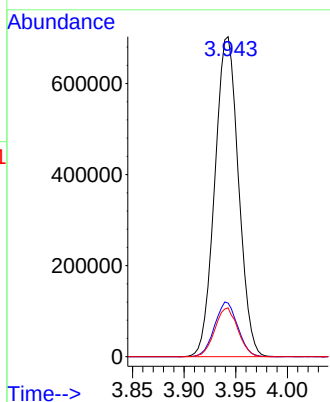
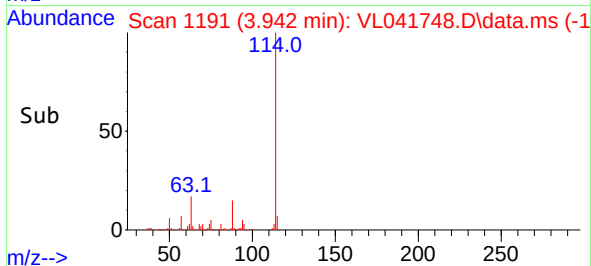
Instrument :
MSVOA_L
ClientSampleId :
SV4



Tgt Ion:114 Resp: 1121250
Ion Ratio Lower Upper
114 100
63 16.7 12.9 19.3
88 14.9 11.8 17.6

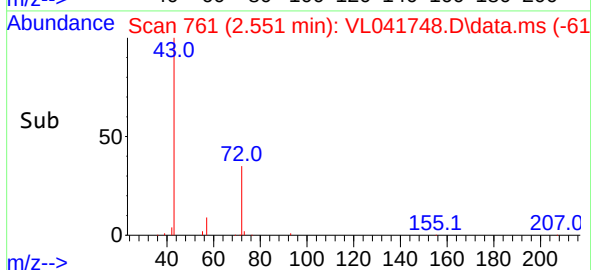
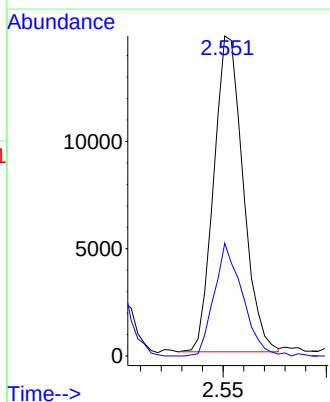
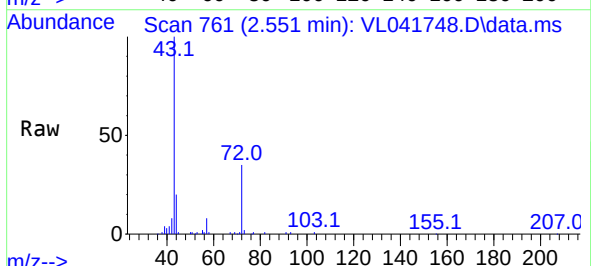
Manual Integrations
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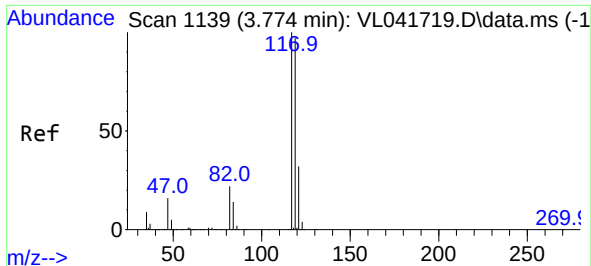
Reviewed By :Mahesh Dadoda 12/13/2024
Supervised By :Semsettin Yesilyurt 12/13/2024



#34
2-Butanone
Concen: 0.370 ppbv
RT: 2.551 min Scan# 761
Delta R.T. -0.010 min
Lab File: VL041748.D
Acq: 12 Dec 2024 13:10

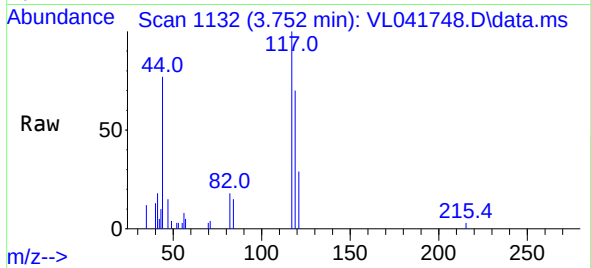
Tgt Ion: 43 Resp: 14521
Ion Ratio Lower Upper
43 100
72 34.6 28.3 42.5





#35
Carbon Tetrachloride
Concen: 0.053 ppbv
RT: 3.752 min Scan# 1139
Delta R.T. -0.023 min
Lab File: VL041748.D
Acq: 12 Dec 2024 13:10

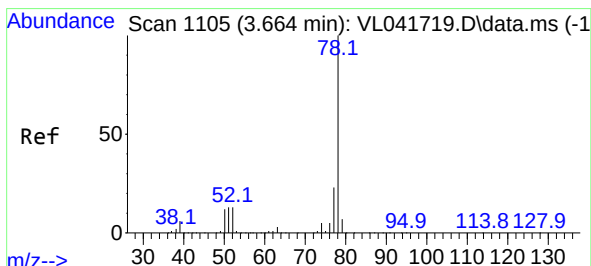
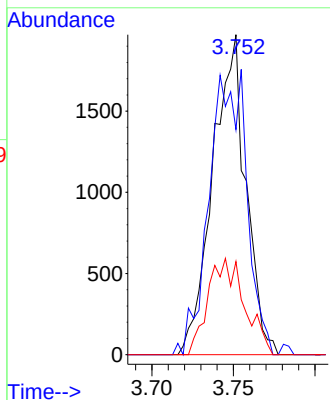
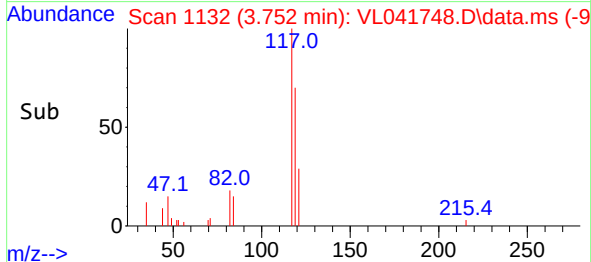
Instrument : MSVOA_L
ClientSampleId : SV4



Tgt Ion: 117 Resp: 2780
Ion Ratio Lower Upper
117 100
119 70.4 77.7 116.5
121 29.1 25.5 38.3

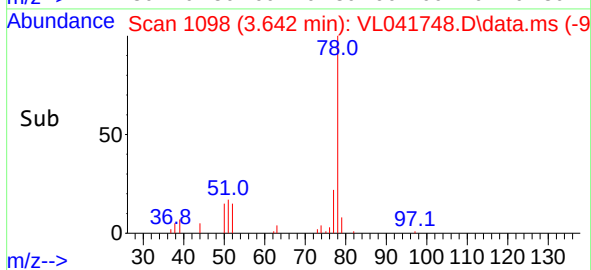
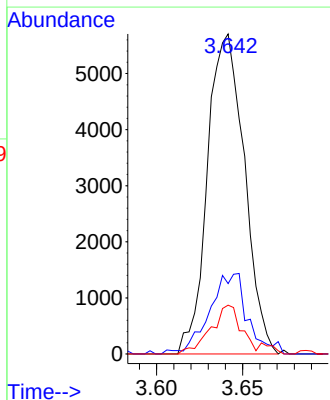
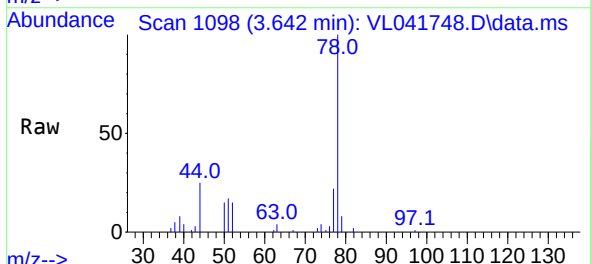
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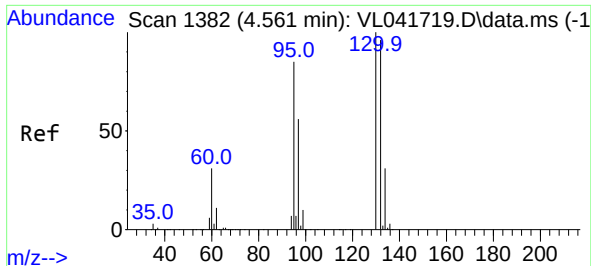
Reviewed By :Mahesh Dadoda 12/13/2024
Supervised By :Semsettin Yesilyurt 12/13/2024



#36
Benzene
Concen: 0.097 ppbv
RT: 3.642 min Scan# 1098
Delta R.T. -0.023 min
Lab File: VL041748.D
Acq: 12 Dec 2024 13:10

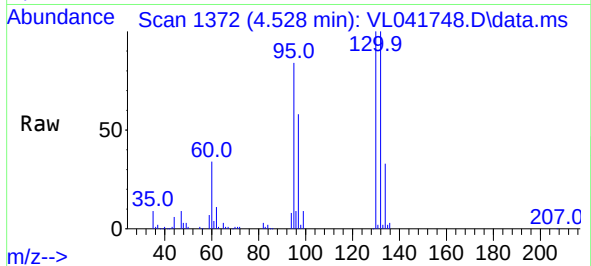
Tgt Ion: 78 Resp: 8522
Ion Ratio Lower Upper
78 100
77 21.0 18.6 27.8
50 15.2 9.5 14.3





#38
Trichloroethene
Concen: 0.939 ppbv
RT: 4.528 min Scan# 11
Delta R.T. -0.032 min
Lab File: VL041748.D
Acq: 12 Dec 2024 13:10

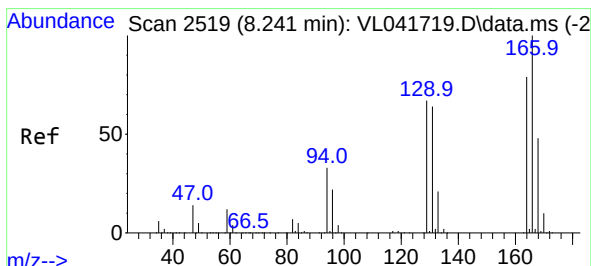
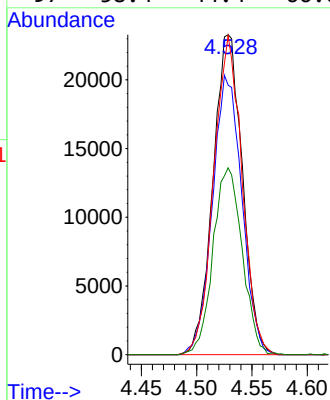
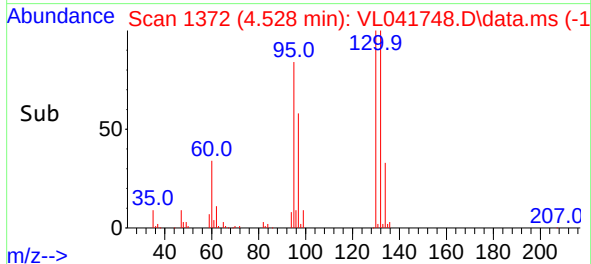
Instrument :
MSVOA_L
ClientSampleId :
SV4



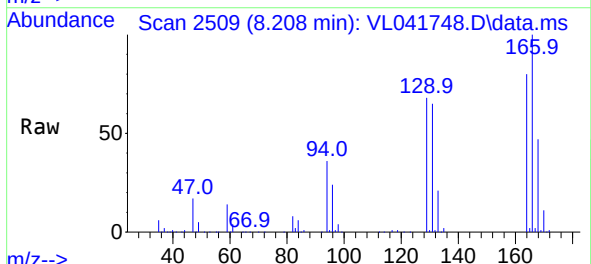
Tgt Ion:130 Resp: 42924
Ion Ratio Lower Upper
130 100
95 84.3 68.0 102.0
132 99.6 76.5 114.7
97 58.4 44.4 66.6

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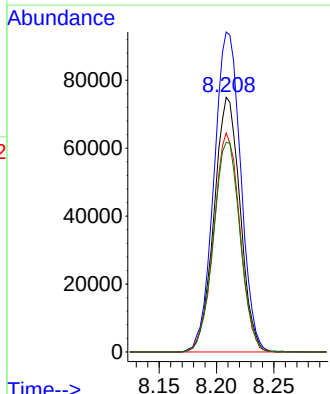
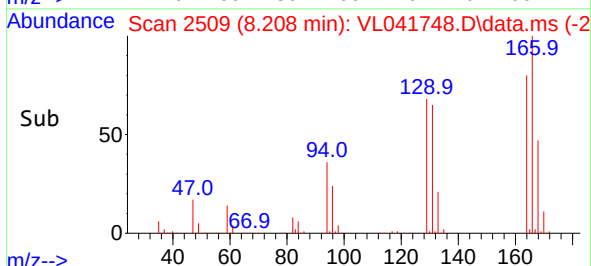
Reviewed By :Mahesh Dadoda 12/13/2024
Supervised By :Semsettin Yesilyurt 12/13/2024

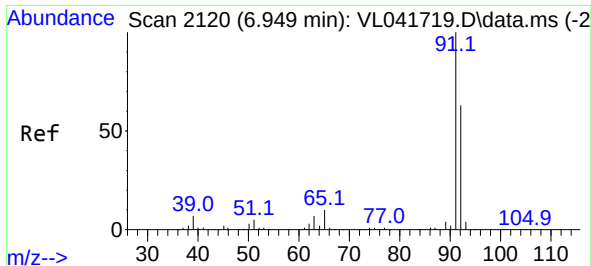


#52
Tetrachloroethene
Concen: 2.538 ppbv
RT: 8.208 min Scan# 2509
Delta R.T. -0.032 min
Lab File: VL041748.D
Acq: 12 Dec 2024 13:10



Tgt Ion:164 Resp: 118547
Ion Ratio Lower Upper
164 100
166 125.6 101.4 152.0
129 86.0 67.6 101.4
131 82.3 65.3 97.9





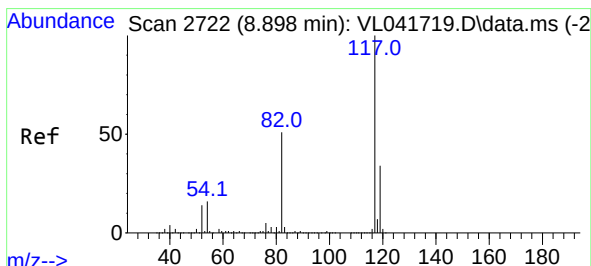
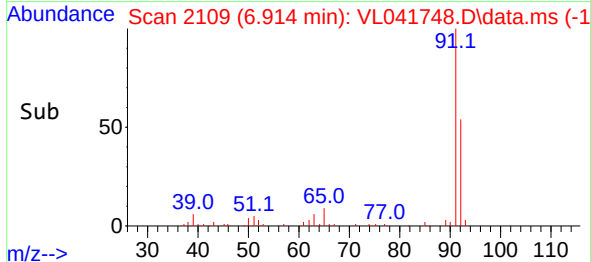
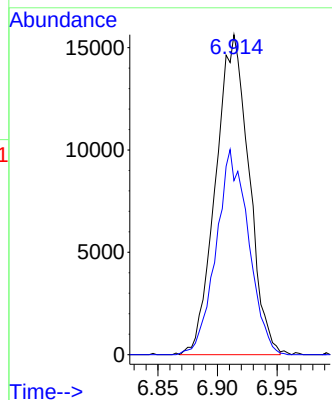
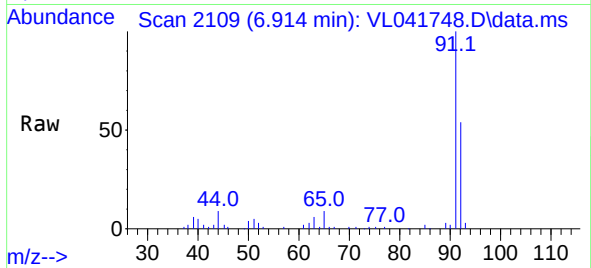
#53
Toluene
Concen: 0.280 ppbv
RT: 6.914 min Scan# 2120
Delta R.T. -0.036 min
Lab File: VL041748.D
Acq: 12 Dec 2024 13:10

Instrument :
MSVOA_L
ClientSampleId :
SV4

Tgt Ion: 91 Resp: 3035
Ion Ratio Lower Upper
91 100
92 62.3 49.7 74.5

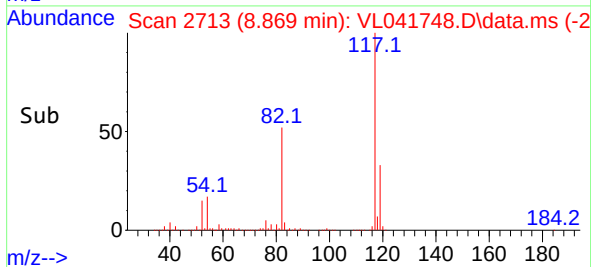
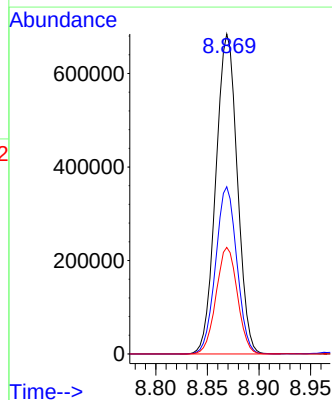
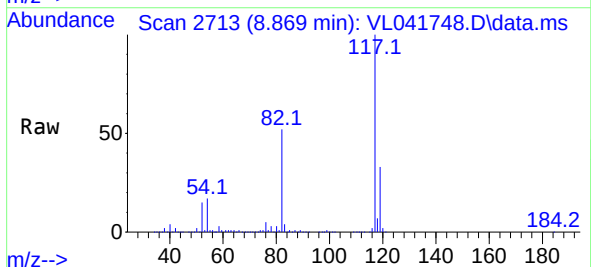
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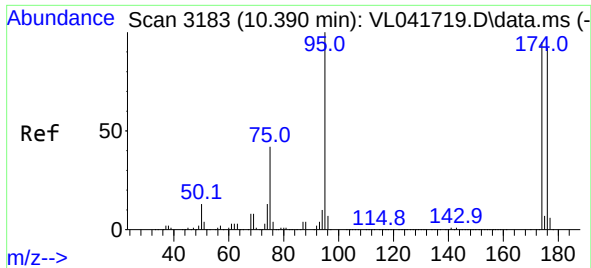
Reviewed By :Mahesh Dadoda 12/13/2024
Supervised By :Semsettin Yesilyurt 12/13/2024



#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.869 min Scan# 2713
Delta R.T. -0.029 min
Lab File: VL041748.D
Acq: 12 Dec 2024 13:10

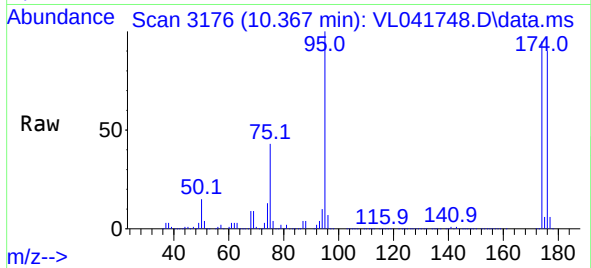
Tgt Ion:117 Resp: 991065
Ion Ratio Lower Upper
117 100
82 51.6 41.3 61.9
119 33.1 25.8 38.8





#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.130 ppbv
 RT: 10.367 min Scan# 31
 Delta R.T. -0.023 min
 Lab File: VL041748.D
 Acq: 12 Dec 2024 13:10

Instrument :
 MSVOA_L
 ClientSampleId :
 SV4



Tgt Ion: 95 Resp: 660020
 Ion Ratio Lower Upper
 95 100
 174 93.3 76.7 115.1
 175 6.6 5.4 8.2

Manual Integrations
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Reviewed By :Mahesh Dadoda 12/13/2024
 Supervised By :Semsettin Yesilyurt 12/13/2024

