

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL021425\
 Data File : VL042019.D
 Acq On : 14 Feb 2025 14:27
 Operator : SY/MD
 Sample : VSTDICC0.1
 Misc : 400mL/MSVOA_L
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICC0.1

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 02/17/2025
 Supervised By :Mahesh Dadoda 02/17/2025

Quant Time: Feb 15 01:22:09 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL021425AIR.M

Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Fri Aug 2

QLast Update : Sat Feb 15 01:17:03 2025

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.777	49	94565	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.942	114	277411	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.865	117	247705	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.364	95	203030	9.937	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.400%
Target Compounds						
5) Vinyl Chloride	1.573	62	855	0.113	ppbv #	86
32) 1,1,1-Trichloroethane	3.357	97	2858	0.103	ppbv	96
35) Carbon Tetrachloride	3.745	117	2612m	0.099	ppbv	
38) Trichloroethene	4.525	130	1301m	0.094	ppbv	
52) Tetrachloroethene	8.202	164	1261m	0.108	ppbv	
54) 1,2-Dibromoethane	7.639	107	1911m	0.106	ppbv	
63) 1,1,2,2-Tetrachloroethane	9.953	83	3139	0.113	ppbv #	82
79) Naphthalene	13.507	128	4590	0.100	ppbv #	93

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

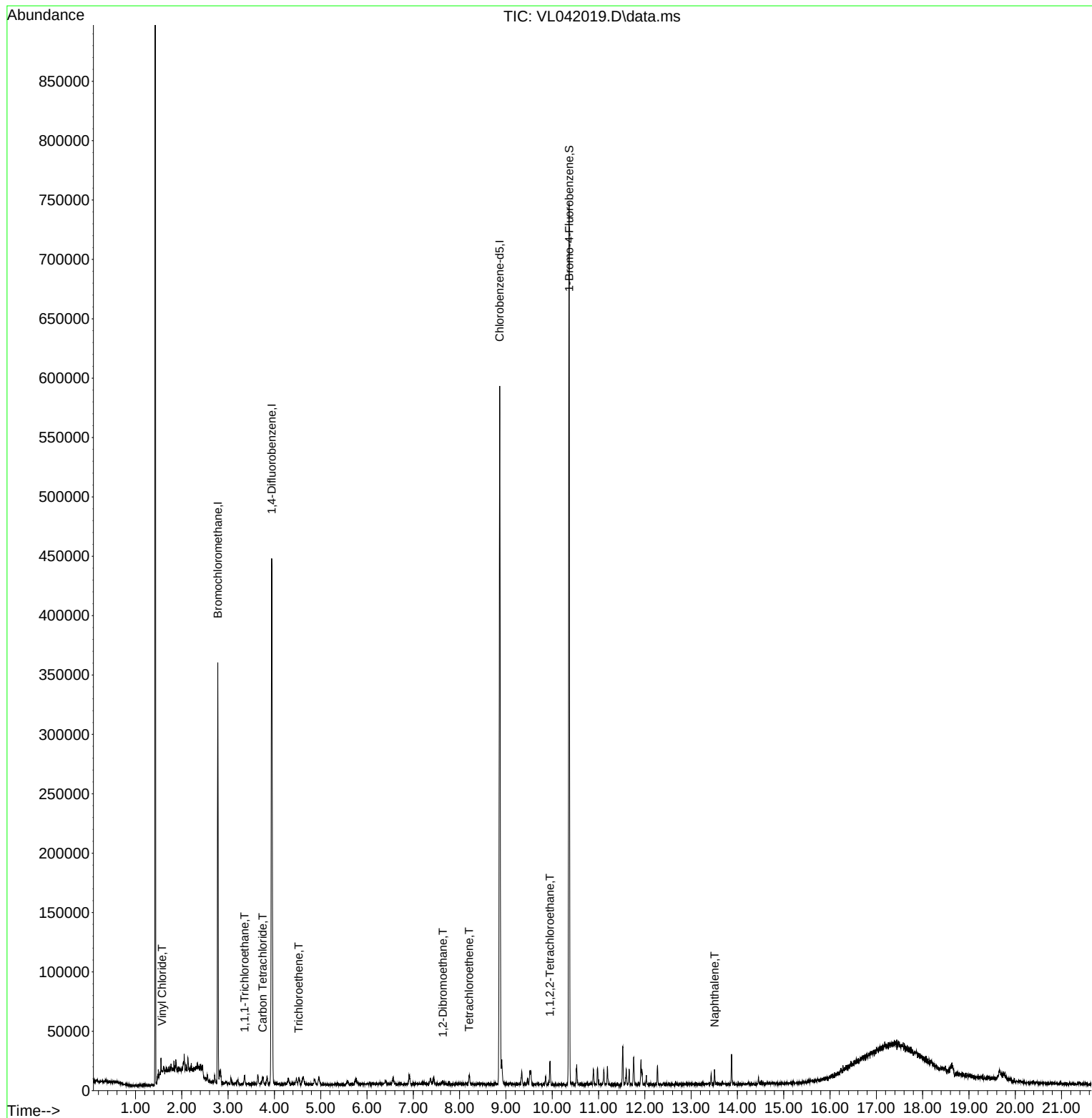
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL021425\
Data File : VL042019.D
Acq On : 14 Feb 2025 14:27
Operator : SY/MD
Sample : VSTDICC0.1
Misc : 400mL/MSVOA_L
ALS Vial : 6 Sample Multiplier: 1

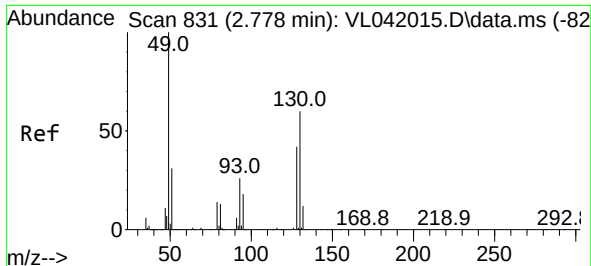
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

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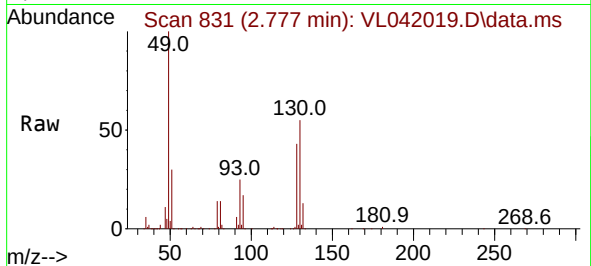
Quant Time: Feb 15 01:22:09 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL021425AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug
QLast Update : Sat Feb 15 01:17:03 2025
Response via : Initial Calibration





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.777 min Scan# 831
Delta R.T. -0.001 min
Lab File: VL042019.D
Acq: 14 Feb 2025 14:27

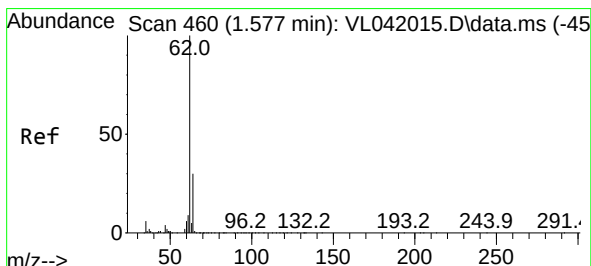
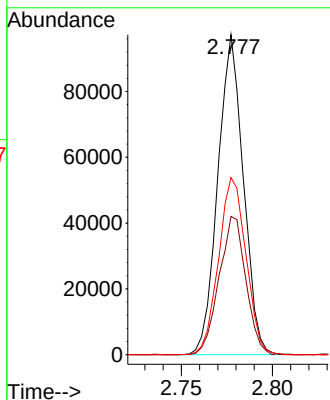
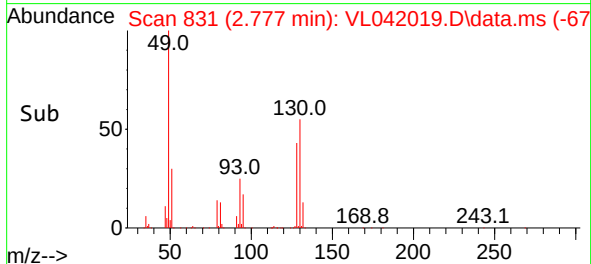
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1



Tgt Ion: 49 Resp: 9456
Ion Ratio Lower Upper
49 100
128 45.4 22.7 68.0
130 59.4 29.9 89.8

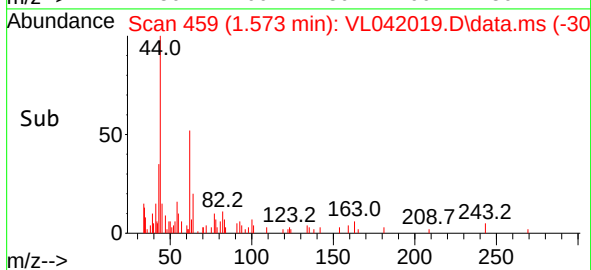
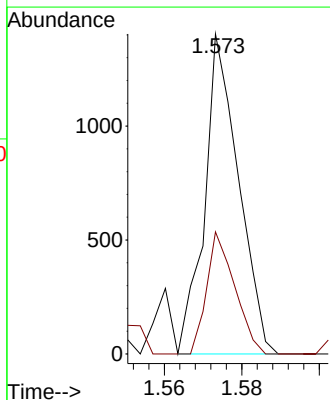
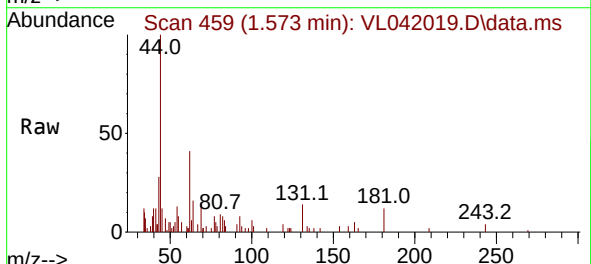
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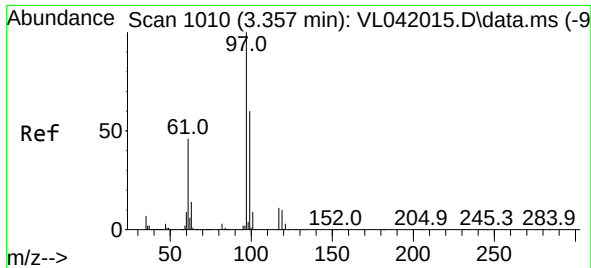
Reviewed By :Semsettin Yesilyurt 02/17/2025
Supervised By :Mahesh Dadoda 02/17/2025



#5
Vinyl Chloride
Concen: 0.113 ppbv
RT: 1.573 min Scan# 459
Delta R.T. -0.004 min
Lab File: VL042019.D
Acq: 14 Feb 2025 14:27

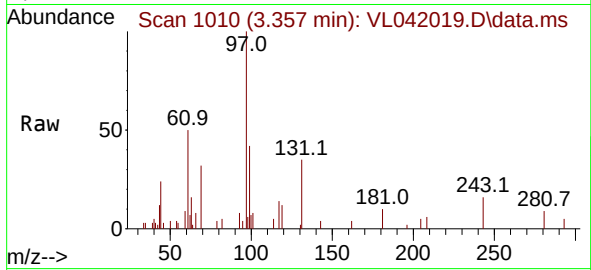
Tgt Ion: 62 Resp: 855
Ion Ratio Lower Upper
62 100
64 38.2 24.4 36.6#





#32
1,1,1-Trichloroethane
Concen: 0.103 ppbv
RT: 3.357 min Scan# 1010
Delta R.T. -0.000 min
Lab File: VL042019.D
Acq: 14 Feb 2025 14:27

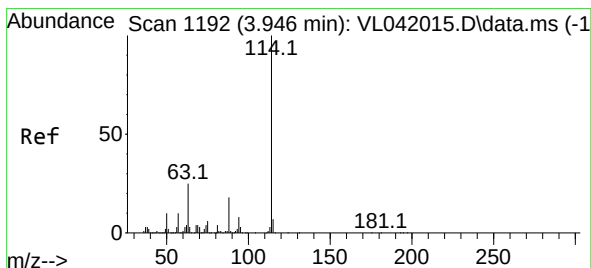
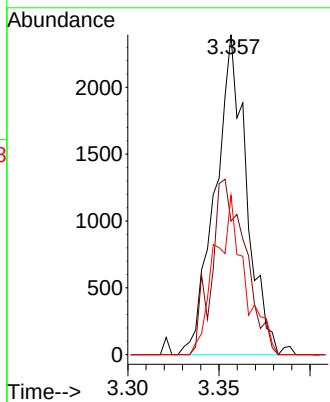
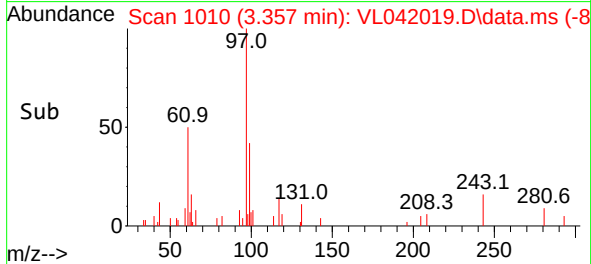
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1



Tgt Ion: 97 Resp: 2858
Ion Ratio Lower Upper
97 100
99 59.0 51.0 76.4
61 47.8 37.9 56.9

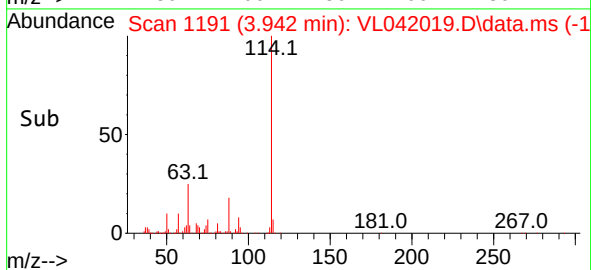
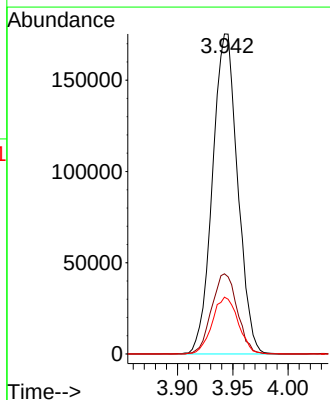
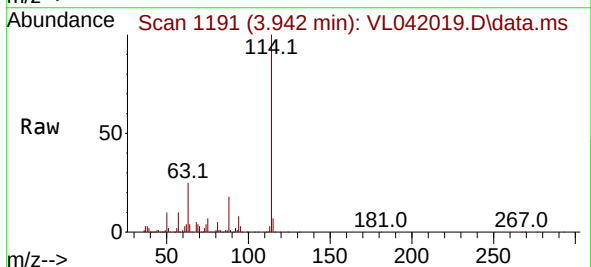
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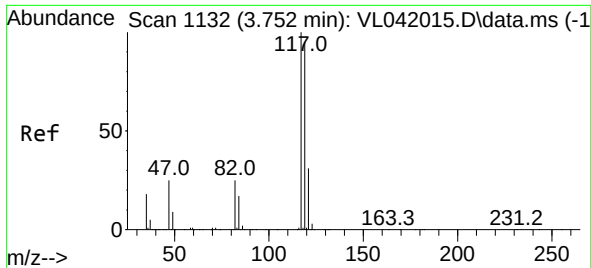
Reviewed By :Semsettin Yesilyurt 02/17/2025
Supervised By :Mahesh Dadoda 02/17/2025



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.942 min Scan# 1191
Delta R.T. -0.004 min
Lab File: VL042019.D
Acq: 14 Feb 2025 14:27

Tgt Ion:114 Resp: 277411
Ion Ratio Lower Upper
114 100
63 25.5 20.2 30.2
88 18.4 14.4 21.6





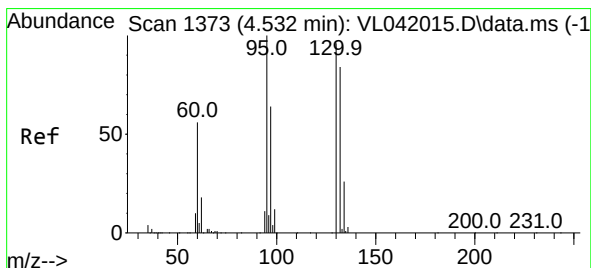
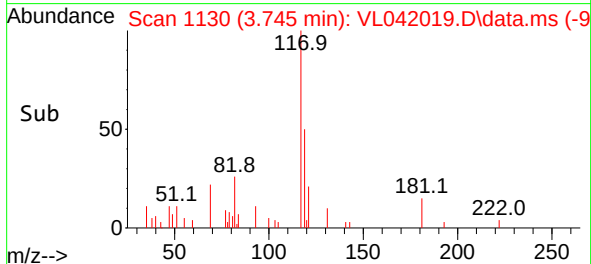
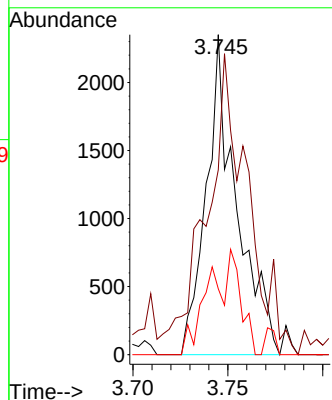
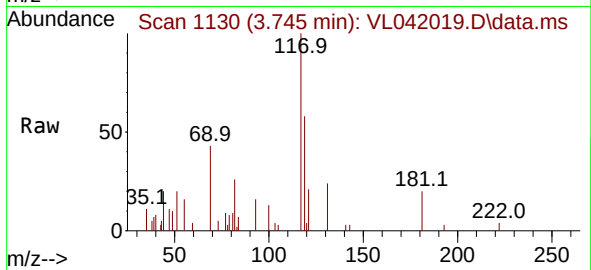
#35
Carbon Tetrachloride
Concen: 0.099 ppbv m
RT: 3.745 min Scan# 1132
Delta R.T. -0.007 min
Lab File: VL042019.D
Acq: 14 Feb 2025 14:27

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.1

Tgt Ion:117 Resp: 261
Ion Ratio Lower Upper
117 100
119 57.8 75.8 113.6
121 20.6 24.6 36.8

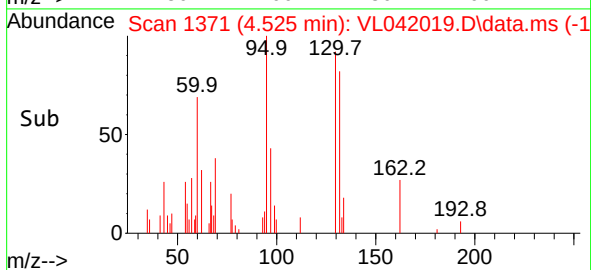
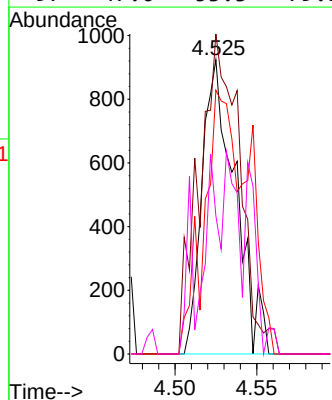
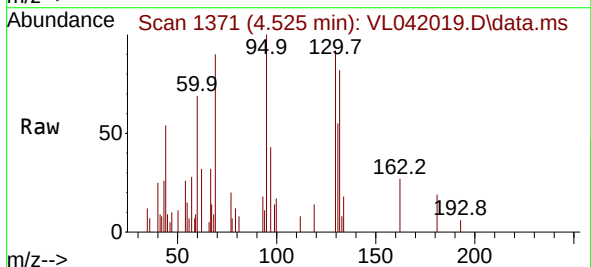
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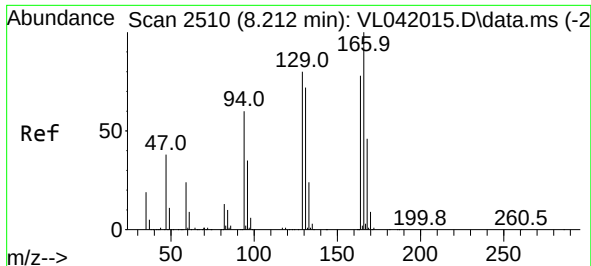
Reviewed By :Semsettin Yesilyurt 02/17/2025
Supervised By :Mahesh Dadoda 02/17/2025



#38
Trichloroethene
Concen: 0.094 ppbv m
RT: 4.525 min Scan# 1371
Delta R.T. -0.007 min
Lab File: VL042019.D
Acq: 14 Feb 2025 14:27

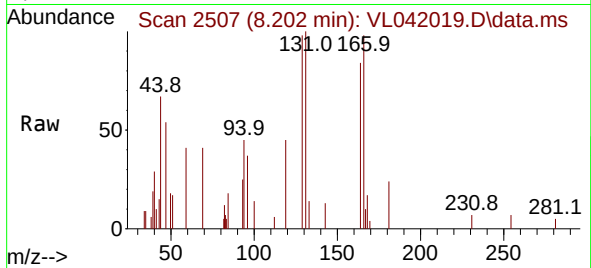
Tgt Ion:130 Resp: 1301
Ion Ratio Lower Upper
130 100
95 108.8 82.8 124.2
132 89.6 70.0 105.0
97 47.0 53.3 79.9





#52
Tetrachloroethene
Concen: 0.108 ppbv m
RT: 8.202 min Scan# 2510
Delta R.T. -0.010 min
Lab File: VL042019.D
Acq: 14 Feb 2025 14:27

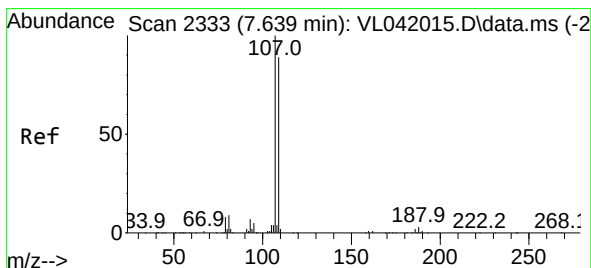
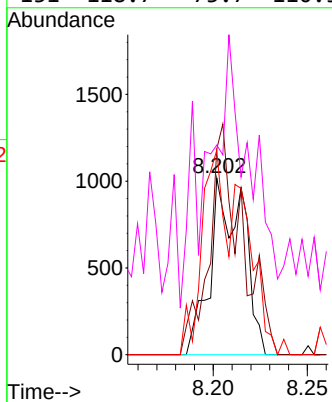
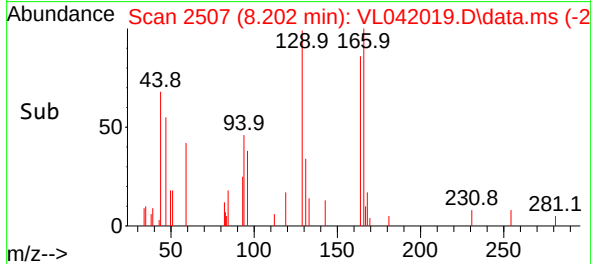
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1



Tgt Ion:164 Resp: 126
Ion Ratio Lower Upper
164 100
166 116.4 102.2 153.2
129 115.7 82.2 123.4
131 118.7 73.7 110.5#

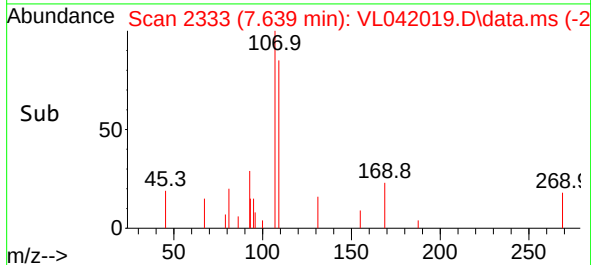
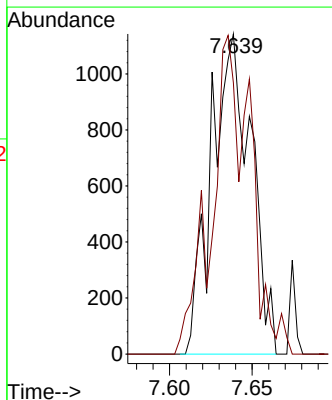
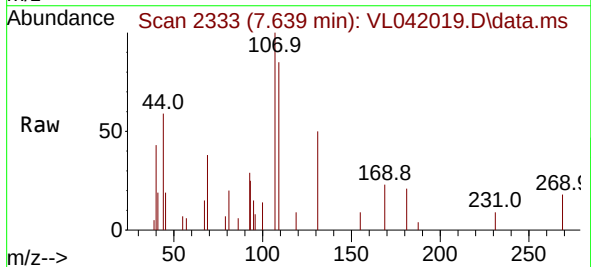
Manual Integrations
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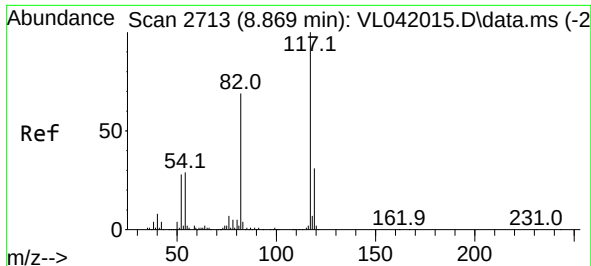
Reviewed By :Semsettin Yesilyurt 02/17/2025
Supervised By :Mahesh Dadoda 02/17/2025



#54
1,2-Dibromoethane
Concen: 0.106 ppbv m
RT: 7.639 min Scan# 2333
Delta R.T. -0.000 min
Lab File: VL042019.D
Acq: 14 Feb 2025 14:27

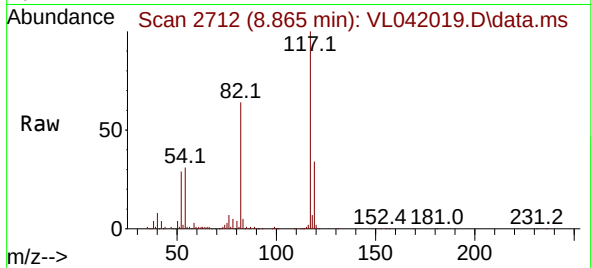
Tgt Ion:107 Resp: 1911
Ion Ratio Lower Upper
107 100
109 84.7 71.5 107.3





#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.865 min Scan# 21
Delta R.T. -0.004 min
Lab File: VL042019.D
Acq: 14 Feb 2025 14:27

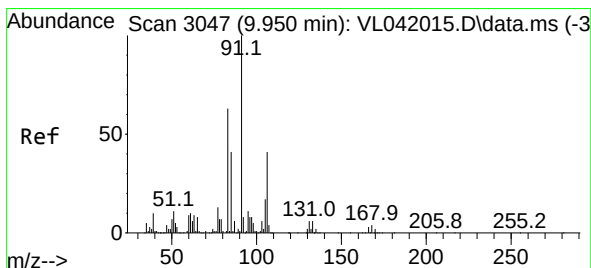
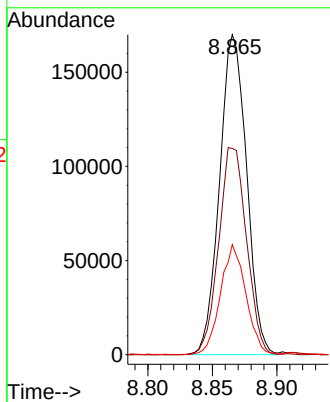
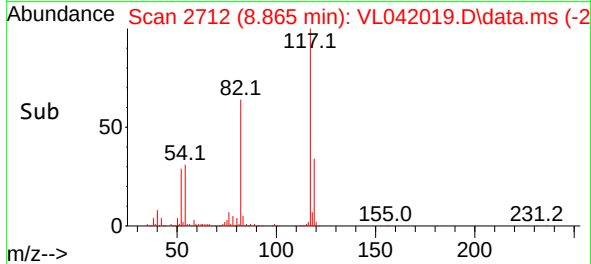
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.1



Tgt Ion: 117 Resp: 24770
Ion Ratio Lower Upper
117 100
82 66.8 55.7 83.5
119 33.0 25.2 37.8

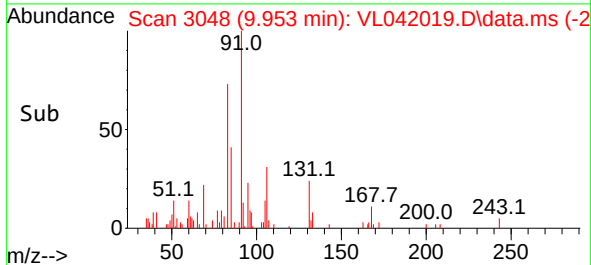
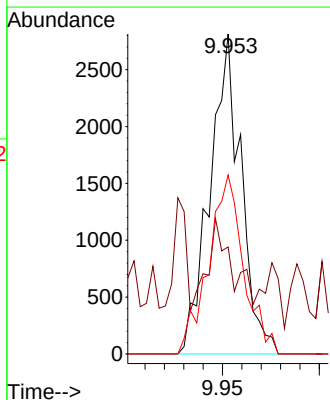
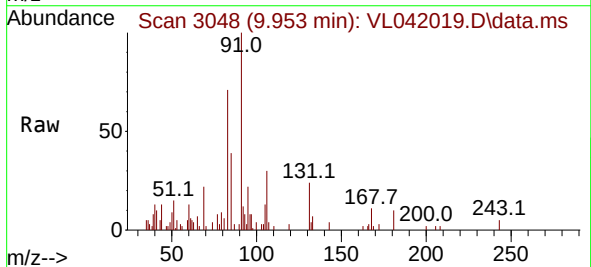
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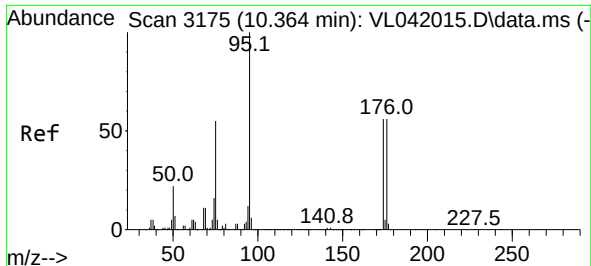
Reviewed By :Semsettin Yesilyurt 02/17/2025
Supervised By :Mahesh Dadoda 02/17/2025



#63
1,1,2,2-Tetrachloroethane
Concen: 0.113 ppbv
RT: 9.953 min Scan# 3048
Delta R.T. 0.003 min
Lab File: VL042019.D
Acq: 14 Feb 2025 14:27

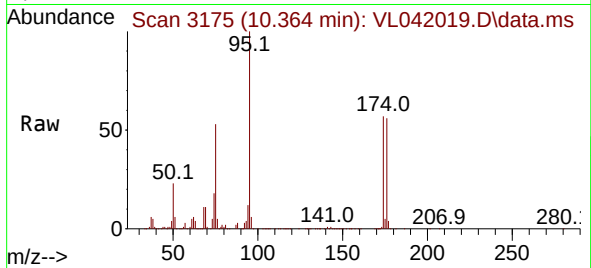
Tgt Ion: 83 Resp: 3139
Ion Ratio Lower Upper
83 100
131 56.2 5.0 15.0#
85 63.0 32.1 96.3





#68
1-Bromo-4-Fluorobenzene
Concen: 9.937 ppbv
RT: 10.364 min Scan# 3175
Delta R.T. -0.000 min
Lab File: VL042019.D
Acq: 14 Feb 2025 14:27

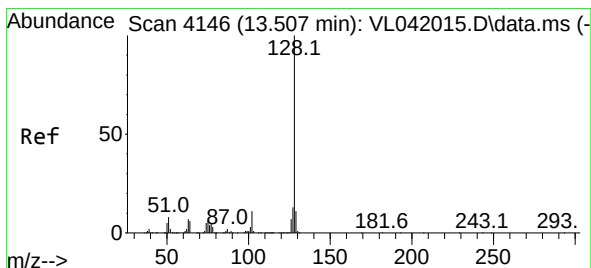
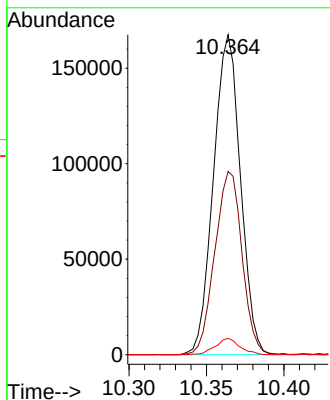
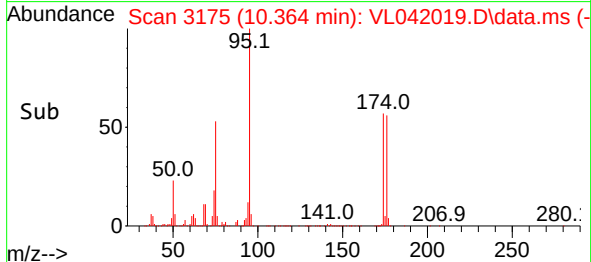
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.1



Tgt Ion: 95 Resp: 203030
Ion Ratio Lower Upper
95 100
174 57.7 46.7 70.1
175 4.6 3.7 5.5

Manual Integrations
APPROVED

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Supervised By :Mahesh Dadoda 02/17/2025



#79
Naphthalene
Concen: 0.100 ppbv
RT: 13.507 min Scan# 4146
Delta R.T. -0.000 min
Lab File: VL042019.D
Acq: 14 Feb 2025 14:27

Tgt Ion:128 Resp: 4590
Ion Ratio Lower Upper
128 100
127 10.0 10.2 15.2#
129 13.6 8.6 13.0#

