

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL012025\
 Data File : VL041928.D
 Acq On : 20 Jan 2025 19:51
 Operator : SY/MD
 Sample : Q1138-01
 Misc : 400mL/MSVOA_L
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 IA1

Quant Time: Jan 21 03:07:42 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL011425AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 2
 QLast Update : Tue Jan 14 23:15:42 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : Semsettin Yesilyurt 01/21/2025
 Supervised By : Mahesh Dadoda 01/21/2025

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

Internal Standards						
1) Bromochloromethane	2.781	49	134088	10.000	ppbv	-0.02
33) 1,4-Difluorobenzene	3.949	114	374281	10.000	ppbv	-0.03
55) Chlorobenzene-d5	8.872	117	329727	10.000	ppbv	-0.02
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.371	95	254361	9.794	ppbv	-0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	97.900%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.496	85	8708	0.477	ppbv	94
3) Chlorodifluoromethane	1.473	51	3510m	0.183	ppbv	
4) Chloromethane	1.531	50	3358	0.489	ppbv	92
9) Propene	1.483	41	5923m	0.751	ppbv	
11) Trichlorofluoromethane	1.874	101	4270	0.225	ppbv	93
13) Ethanol	1.719	45	38927	67.425	ppbv	89
15) Acetone	1.832	43	504884	31.349	ppbv	100
19) Isopropyl Alcohol	1.884	45	13931	1.459	ppbv #	1
20) Methylene Chloride	2.059	84	5111	0.803	ppbv	93
26) Hexane	2.819	57	6758	0.393	ppbv #	75
34) 2-Butanone	2.557	43	14051	0.590	ppbv	99
35) Carbon Tetrachloride	3.748	117	1550m	0.066	ppbv	
36) Benzene	3.648	78	7177	0.209	ppbv	93
52) Tetrachloroethene	8.218	164	23885	2.007	ppbv	96
53) Toluene	6.927	91	40543	1.084	ppbv	99

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

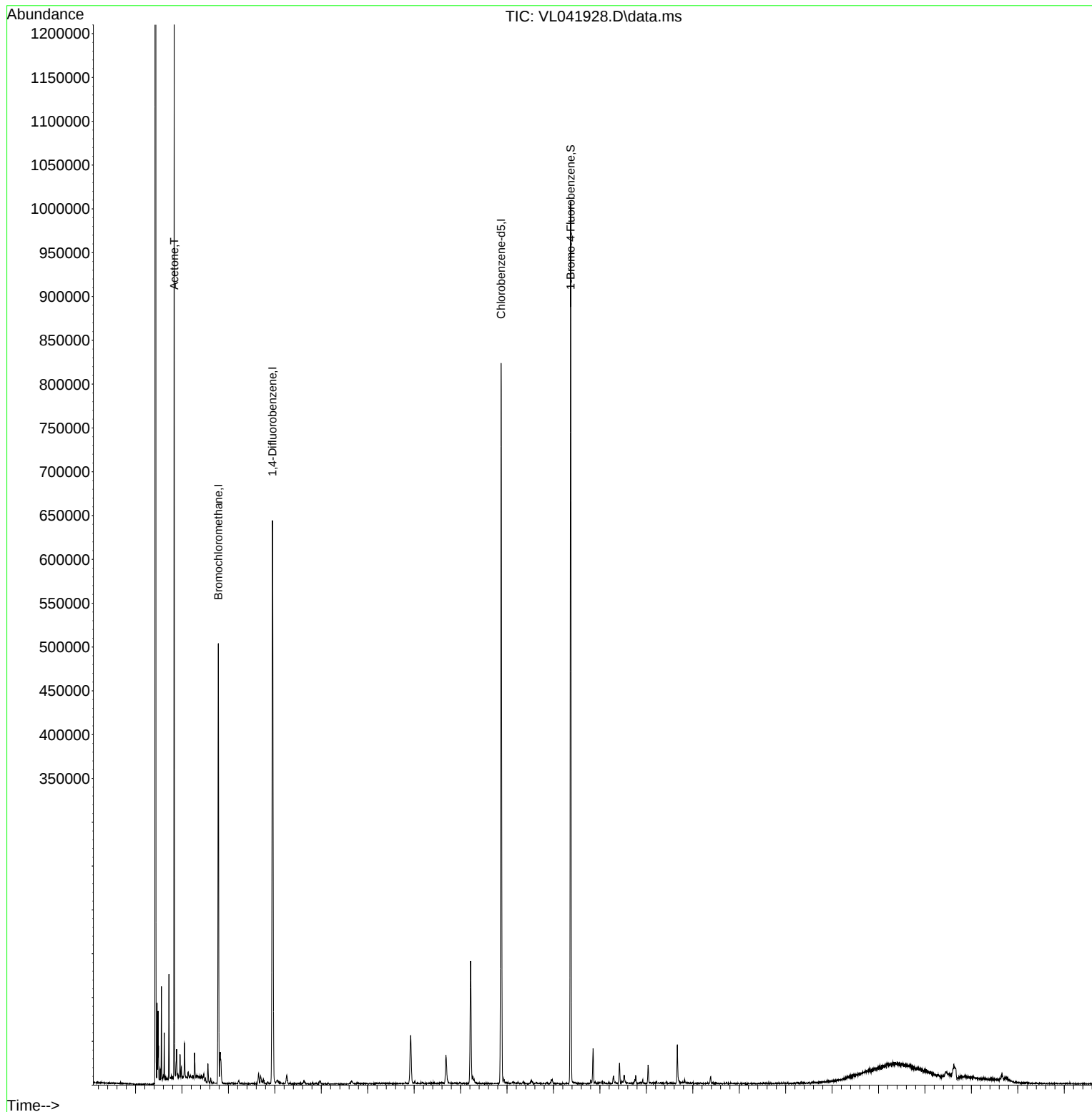
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL012025\
Data File : VL041928.D
Acq On : 20 Jan 2025 19:51
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Sample : Q1138-01
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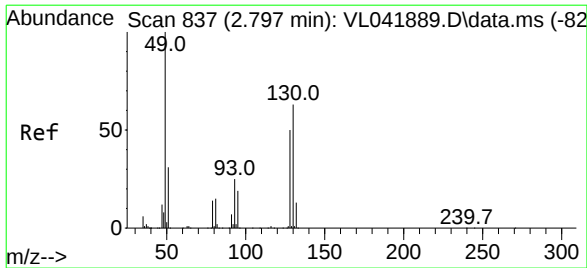
Instrument :
MSVOA_L
ClientSampleId :
IA1

Quant Time: Jan 21 03:07:42 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL011425AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug
QLast Update : Tue Jan 14 23:15:42 2025
Response via : Initial Calibration

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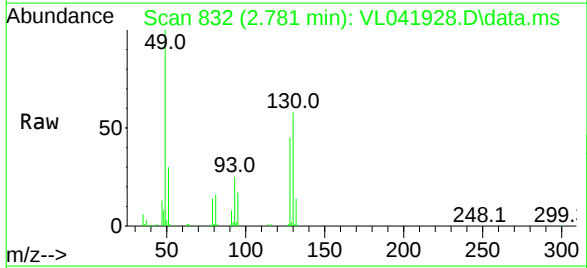
Reviewed By : Semsettin Yesilyurt 01/21/2025
Supervised By : Mahesh Dadoda 01/21/2025





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.781 min Scan# 831
Delta R.T. -0.016 min
Lab File: VL041928.D
Acq: 20 Jan 2025 19:51

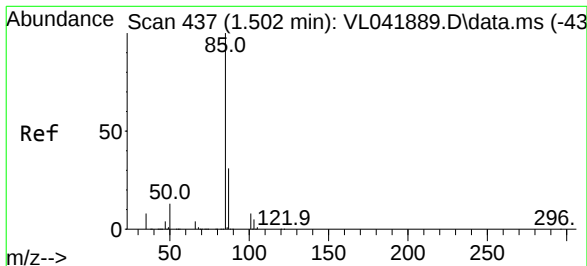
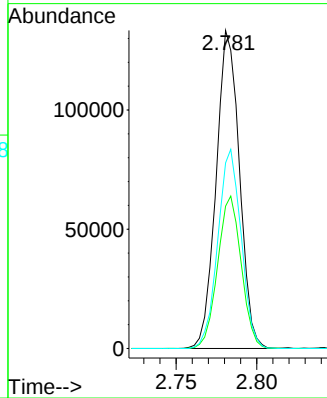
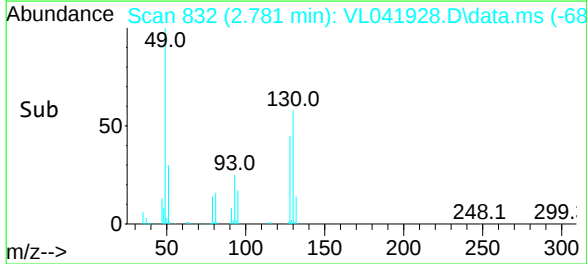
Instrument :
MSVOA_L
ClientSampleId :
IA1



Tgt Ion: 49 Resp: 134088
Ion Ratio Lower Upper
49 100
128 48.5 24.3 73.0
130 62.6 31.1 93.2

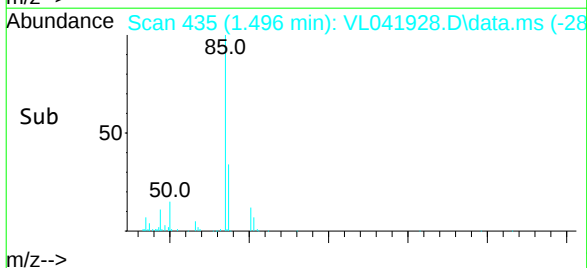
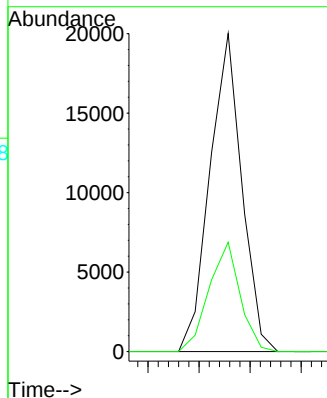
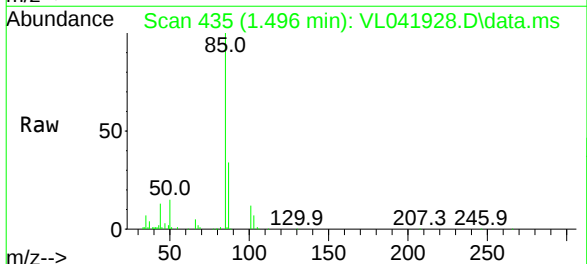
Manual Integrations
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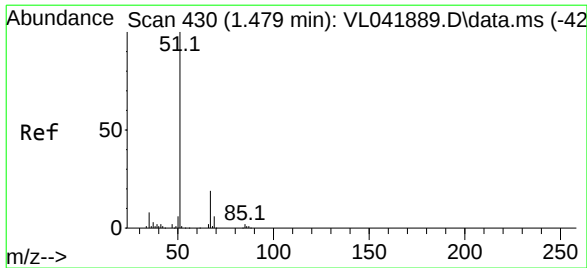
Reviewed By :Semsettin Yesilyurt 01/21/2025
Supervised By :Mahesh Dadoda 01/21/2025



#2
Dichlorodifluoromethane
Concen: 0.477 ppbv
RT: 1.496 min Scan# 435
Delta R.T. -0.006 min
Lab File: VL041928.D
Acq: 20 Jan 2025 19:51

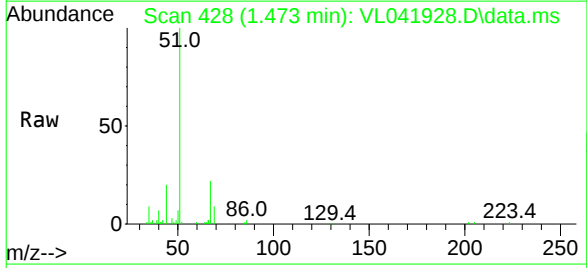
Tgt Ion: 85 Resp: 8708
Ion Ratio Lower Upper
85 100
87 34.4 24.9 37.3





#3
Chlorodifluoromethane
Concen: 0.183 ppbv m
RT: 1.473 min Scan# 42
Delta R.T. -0.006 min
Lab File: VL041928.D
Acq: 20 Jan 2025 19:51

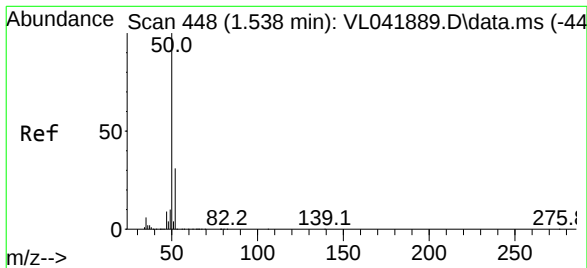
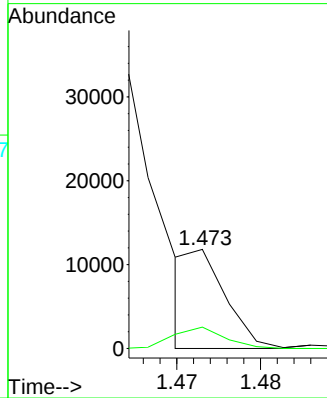
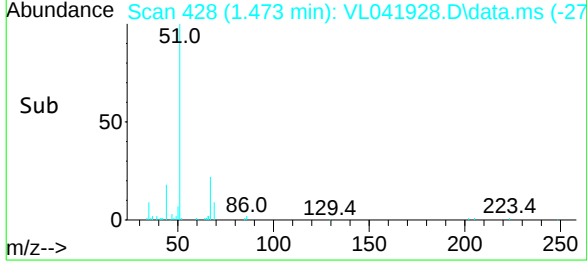
Instrument :
MSVOA_L
ClientSampleId :
IA1



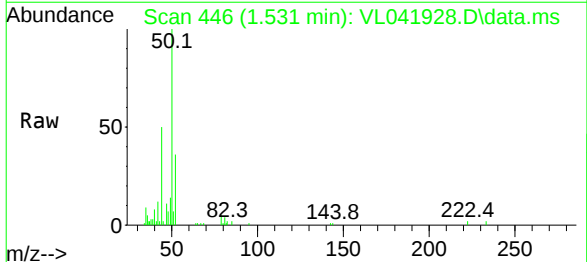
Tgt Ion: 51 Resp: 3510
Ion Ratio Lower Upper
51 100
67 31.3 15.0 22.4#

Manual Integrations
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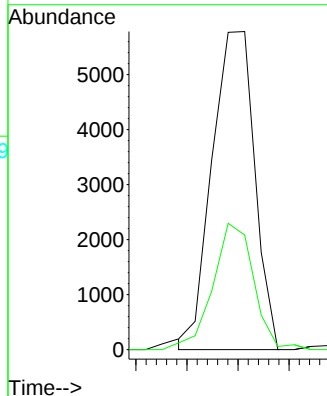
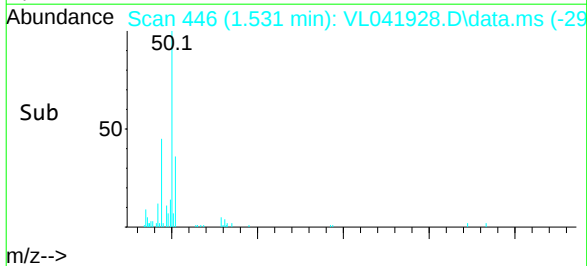
Reviewed By :Semsettin Yesilyurt 01/21/2025
Supervised By :Mahesh Dadoda 01/21/2025

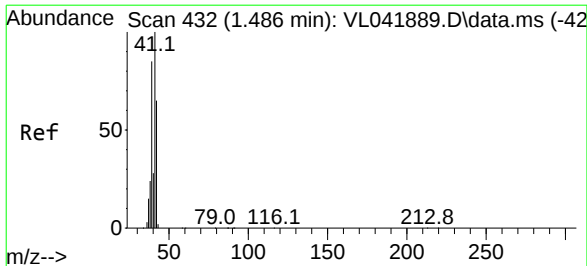


#4
Chloromethane
Concen: 0.489 ppbv
RT: 1.531 min Scan# 446
Delta R.T. -0.006 min
Lab File: VL041928.D
Acq: 20 Jan 2025 19:51



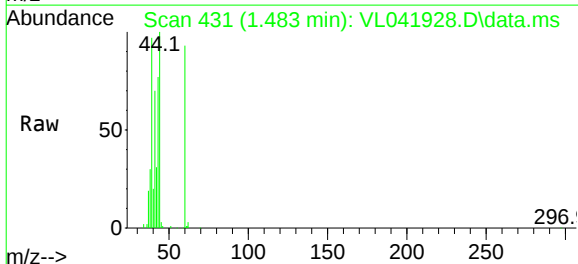
Tgt Ion: 50 Resp: 3358
Ion Ratio Lower Upper
50 100
52 35.0 24.6 36.8





#9
 Propene
 Concen: 0.751 ppbv m
 RT: 1.483 min Scan# 43
 Delta R.T. -0.003 min
 Lab File: VL041928.D
 Acq: 20 Jan 2025 19:51

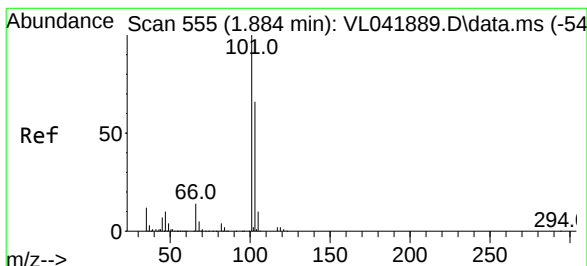
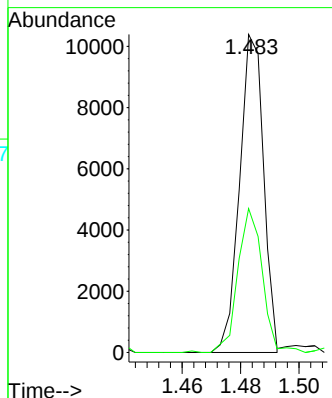
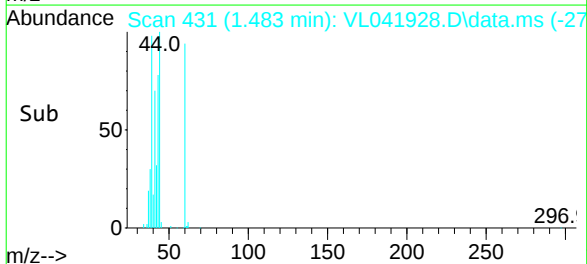
Instrument :
 MSVOA_L
 ClientSampleId :
 IA1



Tgt Ion: 41 Resp: 5923
 Ion Ratio Lower Upper
 41 100
 42 48.1 52.0 78.0#

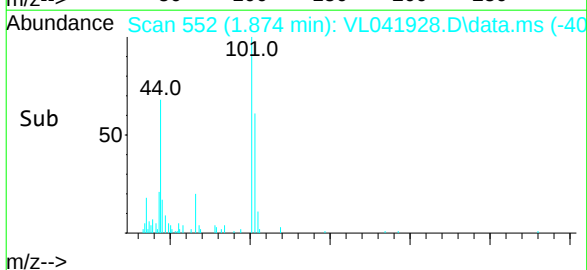
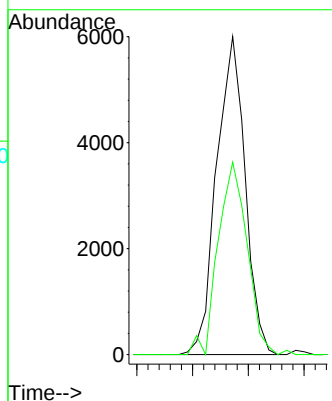
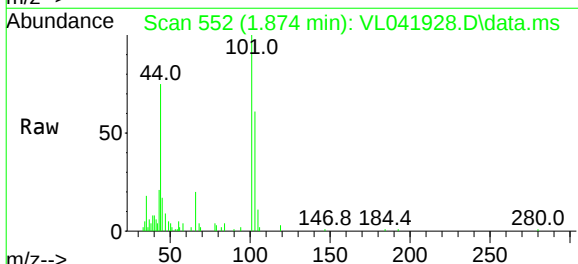
Manual Integrations
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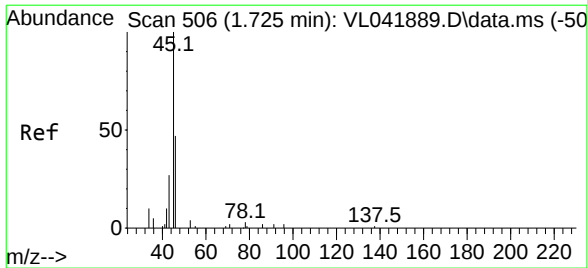
Reviewed By :Semsettin Yesilyurt 01/21/2025
 Supervised By :Mahesh Dadoda 01/21/2025



#11
 Trichlorofluoromethane
 Concen: 0.225 ppbv
 RT: 1.874 min Scan# 552
 Delta R.T. -0.010 min
 Lab File: VL041928.D
 Acq: 20 Jan 2025 19:51

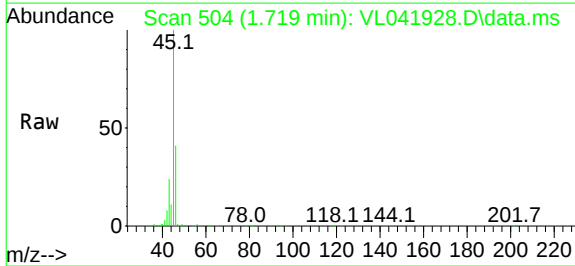
Tgt Ion:101 Resp: 4270
 Ion Ratio Lower Upper
 101 100
 103 60.5 53.1 79.7





#13
Ethanol
Concen: 67.425 ppbv
RT: 1.719 min Scan# 506
Delta R.T. -0.006 min
Lab File: VL041928.D
Acq: 20 Jan 2025 19:51

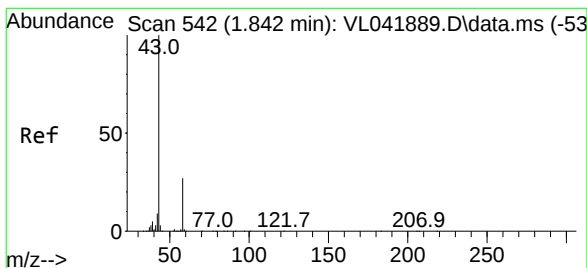
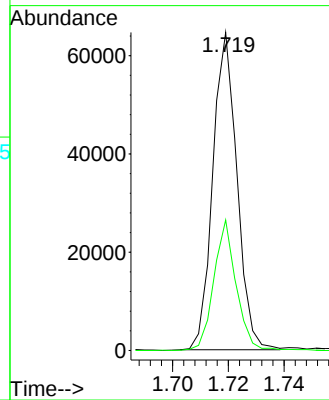
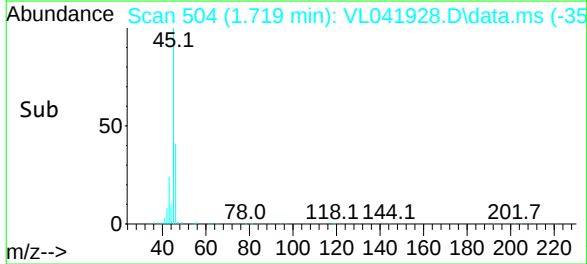
Instrument :
MSVOA_L
ClientSampleId :
IA1



Tgt Ion: 45 Resp: 38927
Ion Ratio Lower Upper
45 100
46 38.3 18.1 72.5

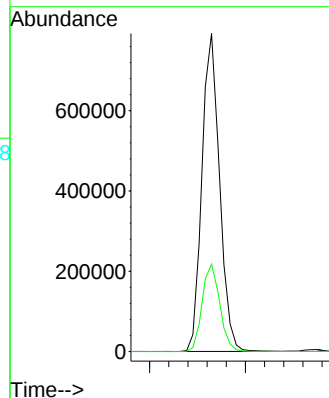
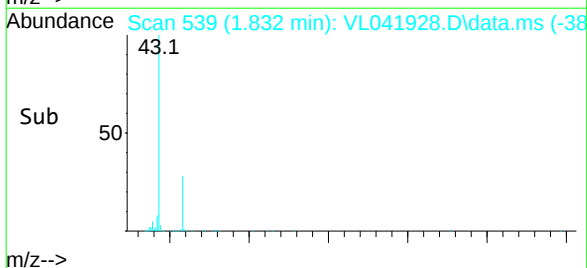
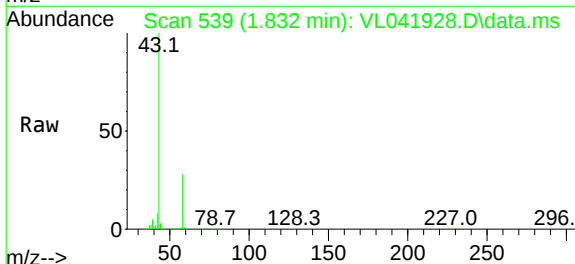
Manual Integrations
APPROVED

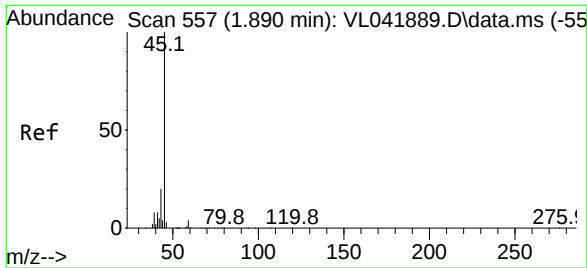
Reviewed By :Semsettin Yesilyurt 01/21/2025
Supervised By :Mahesh Dadoda 01/21/2025



#15
Acetone
Concen: 31.349 ppbv
RT: 1.832 min Scan# 539
Delta R.T. -0.010 min
Lab File: VL041928.D
Acq: 20 Jan 2025 19:51

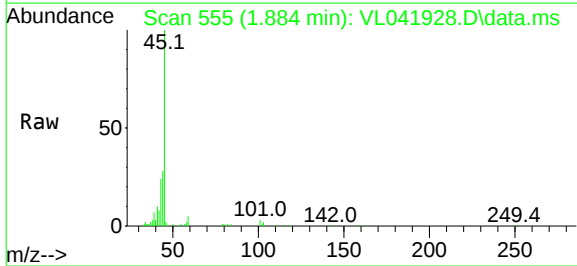
Tgt Ion: 43 Resp: 504884
Ion Ratio Lower Upper
43 100
58 27.6 21.9 32.9





#19
Isopropyl Alcohol
Concen: 1.459 ppbv
RT: 1.884 min Scan# 557
Delta R.T. -0.006 min
Lab File: VL041928.D
Acq: 20 Jan 2025 19:51

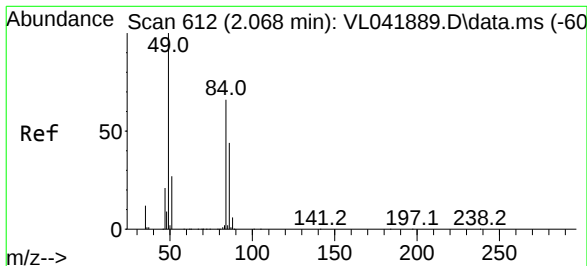
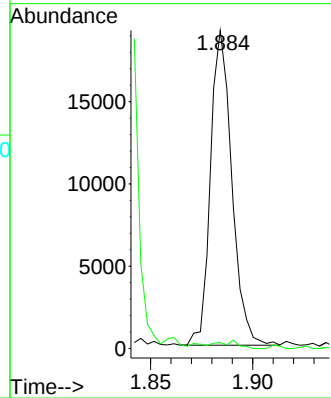
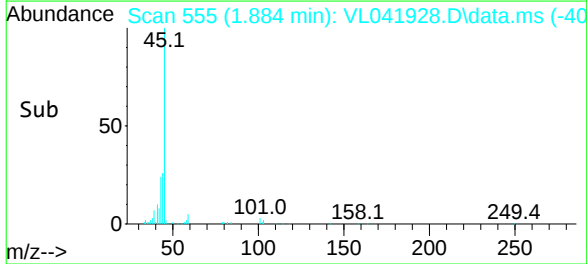
Instrument :
MSVOA_L
ClientSampleId :
IA1



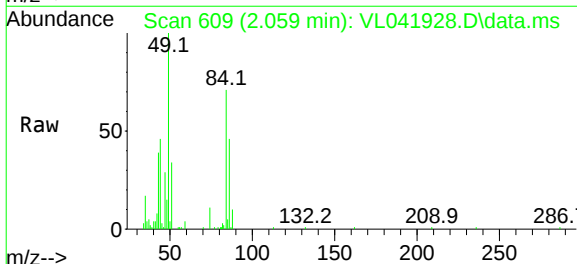
Tgt Ion: 45 Resp: 13931
Ion Ratio Lower Upper
45 100
58 1000.9 35.0 52.6

Manual Integrations
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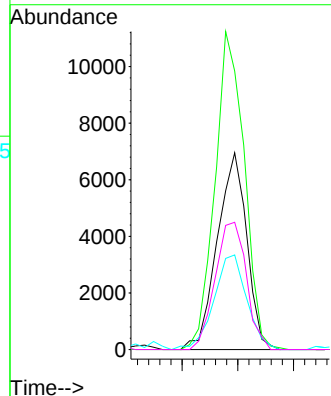
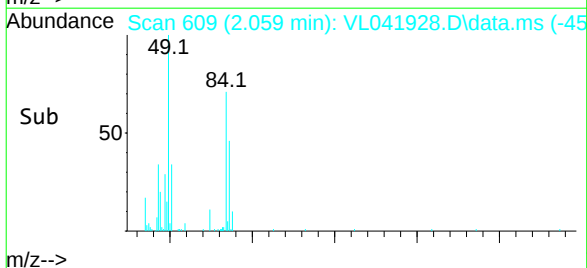
Reviewed By :Semsettin Yesilyurt 01/21/2025
Supervised By :Mahesh Dadoda 01/21/2025

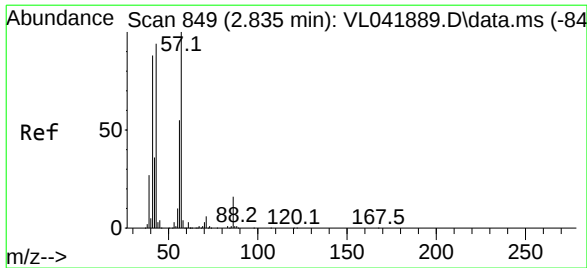


#20
Methylene Chloride
Concen: 0.803 ppbv
RT: 2.059 min Scan# 609
Delta R.T. -0.010 min
Lab File: VL041928.D
Acq: 20 Jan 2025 19:51



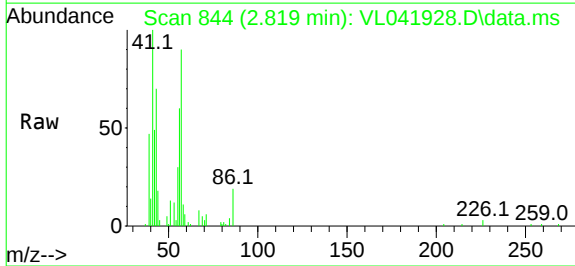
Tgt Ion: 84 Resp: 5111
Ion Ratio Lower Upper
84 100
49 141.5 123.1 184.7
51 48.1 35.8 53.8
86 64.7 53.7 80.5





#26
Hexane
Concen: 0.393 ppbv
RT: 2.819 min Scan# 849
Delta R.T. -0.016 min
Lab File: VL041928.D
Acq: 20 Jan 2025 19:51

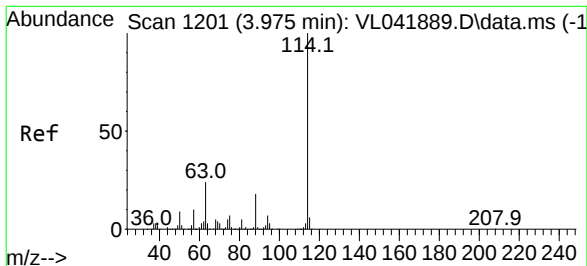
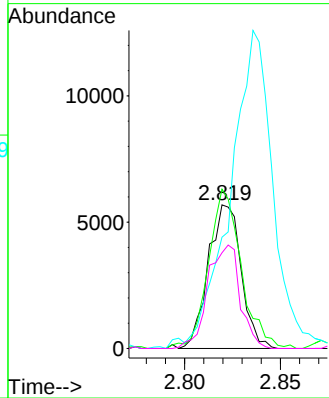
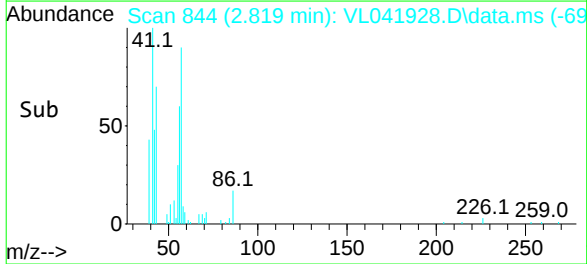
Instrument :
MSVOA_L
ClientSampleId :
IA1



Tgt Ion:	57	Resp:	6758
Ion Ratio	100	Lower	Upper
57	100		
41	112.0	73.8	110.8
43	292.2	197.3	295.9
56	71.0	42.7	64.1

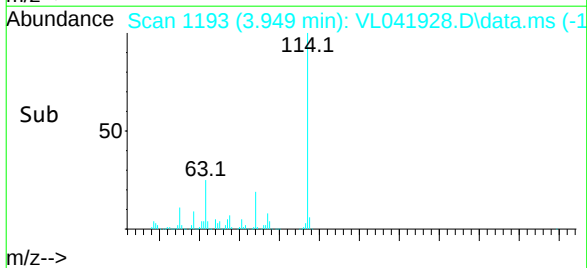
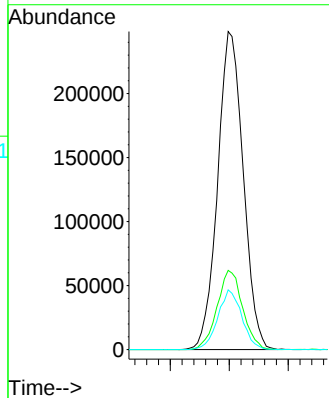
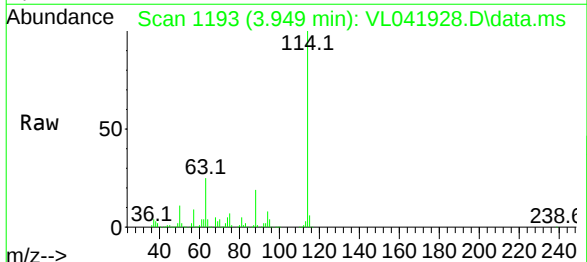
Manual Integrations
APPROVED

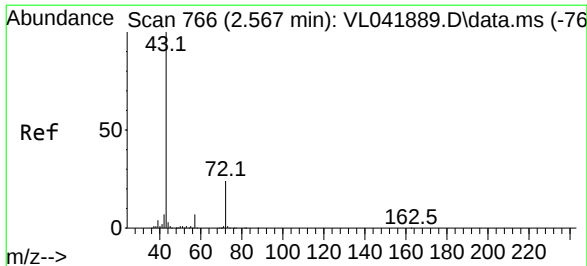
Reviewed By :Semsettin Yesilyurt 01/21/2025
Supervised By :Mahesh Dadoda 01/21/2025



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.949 min Scan# 1193
Delta R.T. -0.026 min
Lab File: VL041928.D
Acq: 20 Jan 2025 19:51

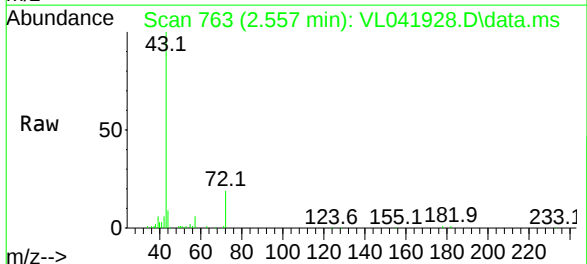
Tgt Ion:	114	Resp:	374281
Ion Ratio	100	Lower	Upper
114	100		
63	24.8	19.8	29.6
88	17.6	14.4	21.6





#34
2-Butanone
Concen: 0.590 ppbv
RT: 2.557 min Scan# 766
Delta R.T. -0.010 min
Lab File: VL041928.D
Acq: 20 Jan 2025 19:51

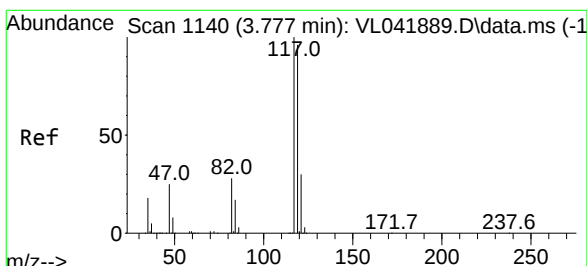
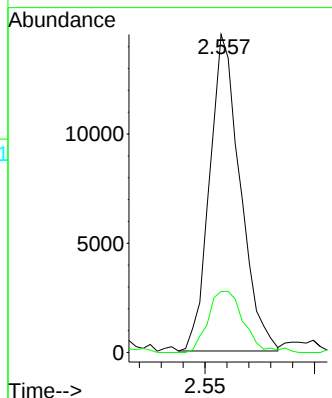
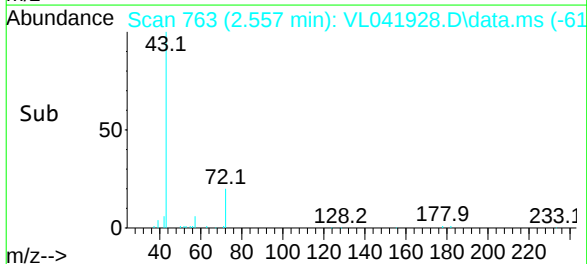
Instrument :
MSVOA_L
ClientSampleId :
IA1



Tgt Ion: 43 Resp: 14051
Ion Ratio Lower Upper
43 100
72 22.8 18.6 28.0

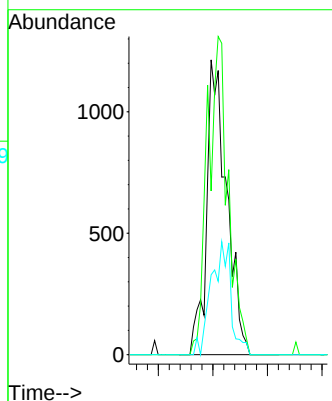
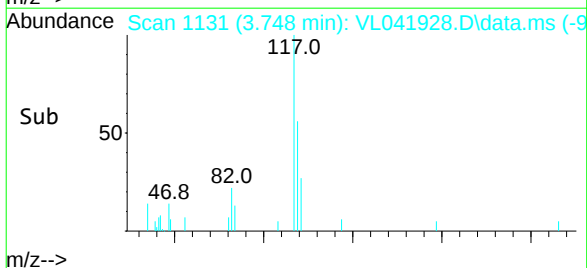
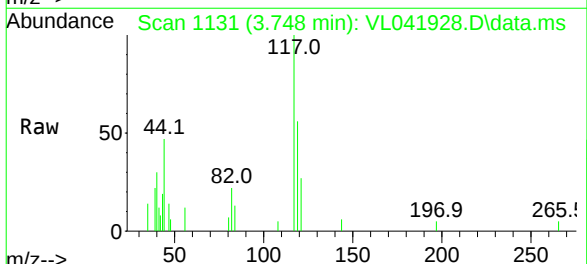
Manual Integrations
APPROVED

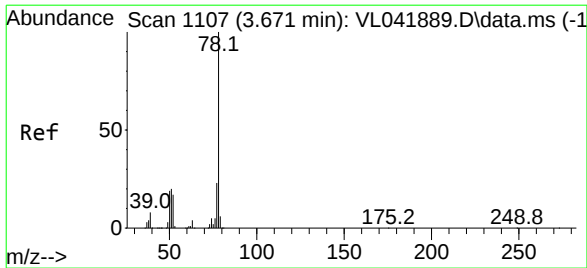
Reviewed By :Semsettin Yesilyurt 01/21/2025
Supervised By :Mahesh Dadoda 01/21/2025



#35
Carbon Tetrachloride
Concen: 0.066 ppbv m
RT: 3.748 min Scan# 1131
Delta R.T. -0.029 min
Lab File: VL041928.D
Acq: 20 Jan 2025 19:51

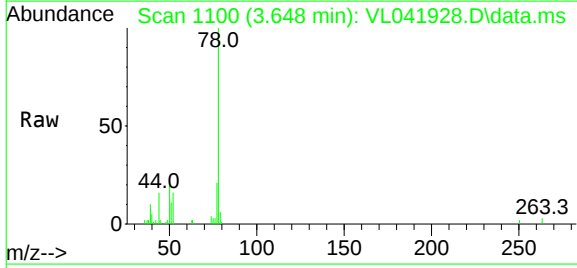
Tgt Ion:117 Resp: 1550
Ion Ratio Lower Upper
117 100
119 55.5 76.9 115.3#
121 27.1 23.8 35.6





#36
Benzene
Concen: 0.209 ppbv
RT: 3.648 min Scan# 1107
Delta R.T. -0.022 min
Lab File: VL041928.D
Acq: 20 Jan 2025 19:51

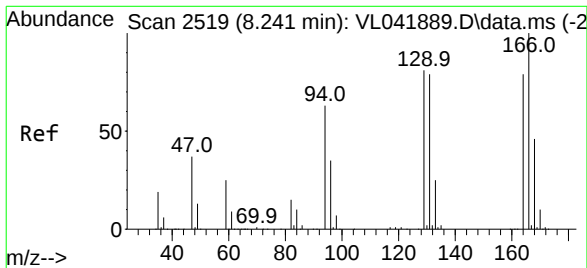
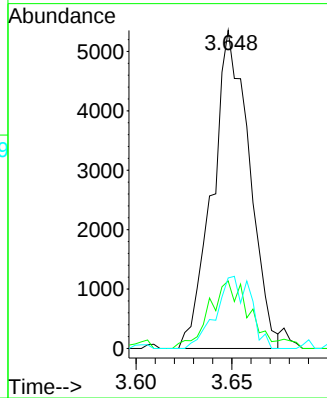
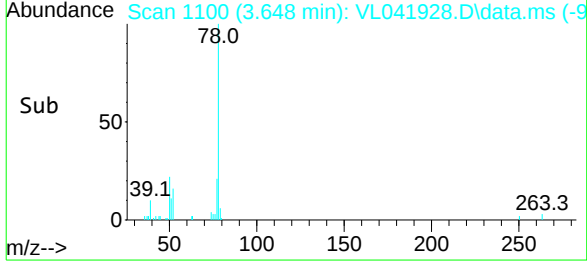
Instrument : MSVOA_L
ClientSampleId : IA1



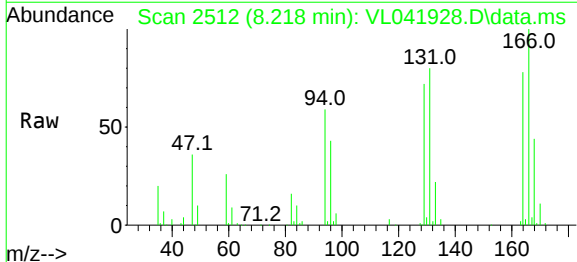
Tgt Ion	Ratio	Lower	Upper
78	100		
77	19.6	18.1	27.1
50	22.2	15.2	22.8

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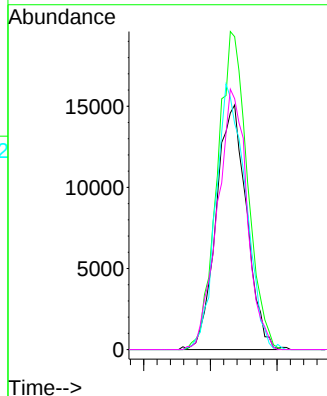
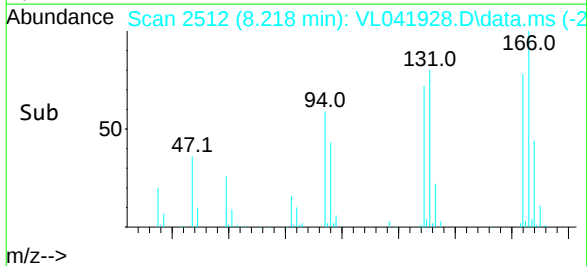
Reviewed By :Semsettin Yesilyurt 01/21/2025
Supervised By :Mahesh Dadoda 01/21/2025

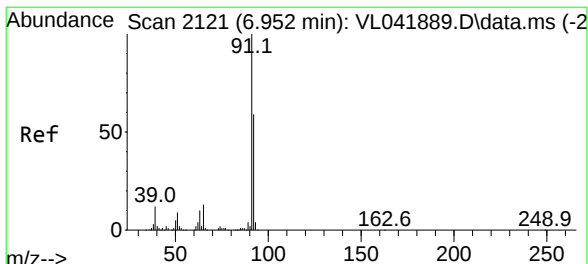


#52
Tetrachloroethene
Concen: 2.007 ppbv
RT: 8.218 min Scan# 2512
Delta R.T. -0.022 min
Lab File: VL041928.D
Acq: 20 Jan 2025 19:51



Tgt Ion	Ratio	Lower	Upper
164	100		
166	127.9	100.8	151.2
129	92.4	82.0	123.0
131	102.6	80.2	120.2



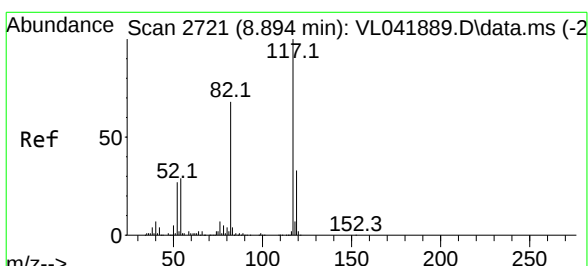
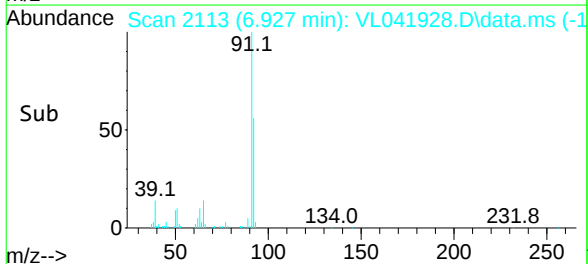
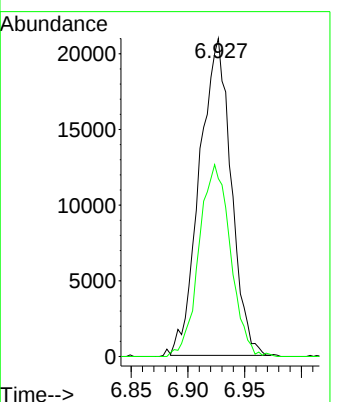
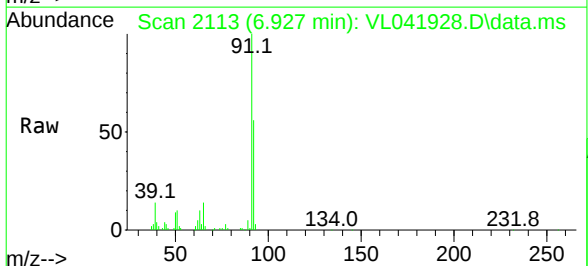


#53
Toluene
Concen: 1.084 ppbv
RT: 6.927 min Scan# 2113
Delta R.T. -0.026 min
Lab File: VL041928.D
Acq: 20 Jan 2025 19:51

Instrument : MSVOA_L
ClientSampleId : IA1

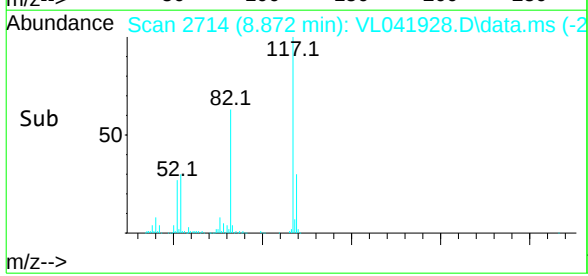
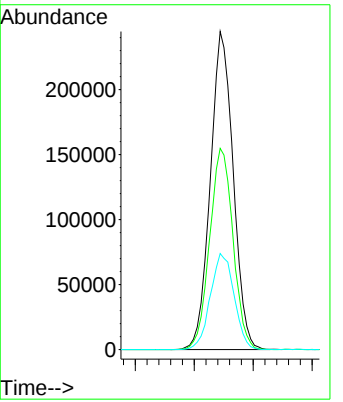
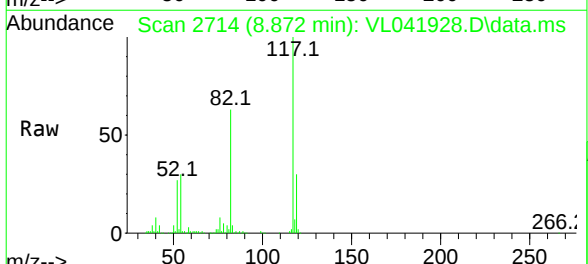
Tgt Ion:	91	Resp:	40543
Ion Ratio	Lower	Upper	
91	100		
92	60.1	47.4	71.0

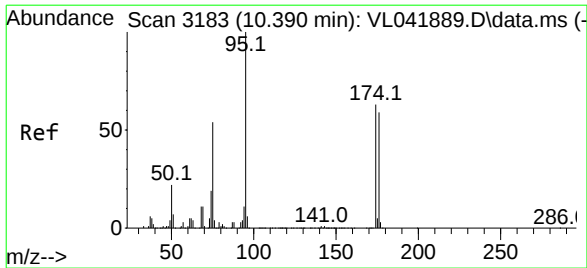
Manual Integrations
APPROVED
Reviewed By :Semsettin Yesilyurt 01/21/2025
Supervised By :Mahesh Dadoda 01/21/2025



#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.872 min Scan# 2714
Delta R.T. -0.022 min
Lab File: VL041928.D
Acq: 20 Jan 2025 19:51

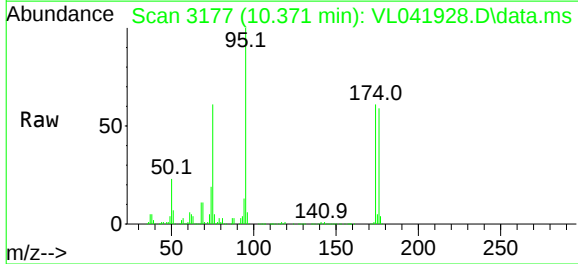
Tgt Ion:	117	Resp:	329727
Ion Ratio	Lower	Upper	
117	100		
82	64.7	54.2	81.4
119	31.4	25.0	37.6





#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.794 ppbv
 RT: 10.371 min Scan# 31
 Delta R.T. -0.019 min
 Lab File: VL041928.D
 Acq: 20 Jan 2025 19:51

Instrument :
 MSVOA_L
 ClientSampleId :
 IA1



Tgt	Ion	95	Resp	254361
Ion	Ratio	Lower	Upper	
95	100			
174	58.7	49.0	73.4	
175	4.5	3.8	5.8	

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 01/21/2025
 Supervised By :Mahesh Dadoda 01/21/2025

