

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL072623\
 Data File : VL040549.D
 Acq On : 26 Jul 2023 20:33
 Operator : SY/MD
 Sample : 03696-01DL 20X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SV-16-20230719DL

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 07/27/2023
 Supervised By :Mahesh Dadoda 07/27/2023

Quant Time: Jul 27 01:52:18 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL071023AIR.M
 Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Fri Aug 2
 QLast Update : Mon Jul 10 16:32:00 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.176	49	1085014	10.000	ppbv	-0.03
33) 1,4-Difluorobenzene	6.639	114	2742004	10.000	ppbv	-0.03
55) Chlorobenzene-d5	11.458	117	2426804	10.000	ppbv	-0.02
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.767	95	1895106	9.867	ppbv	-0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	98.700%
Target Compounds						
					Qvalue	
9) Propene	2.680	41	59781	1.015	ppbv	90
13) Ethanol	3.240	45	44006m	3.435	ppbv	
15) Acetone	3.462	43	178743	1.431	ppbv	100
17) tert-Butyl alcohol	3.886	59	6263	0.048	ppbv #	85
20) Methylene Chloride	3.912	84	30856	0.581	ppbv #	84
26) Hexane	5.195	57	23474	0.213	ppbv #	59
29) Chloroform	5.256	83	74403	0.406	ppbv	91
34) 2-Butanone	4.787	43	24042	0.177	ppbv	100
36) Benzene	6.352	78	14182	0.064	ppbv #	92
52) Tetrachloroethene	10.606	164	2264m	0.032	ppbv	
53) Toluene	9.208	91	32566m	0.136	ppbv	

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

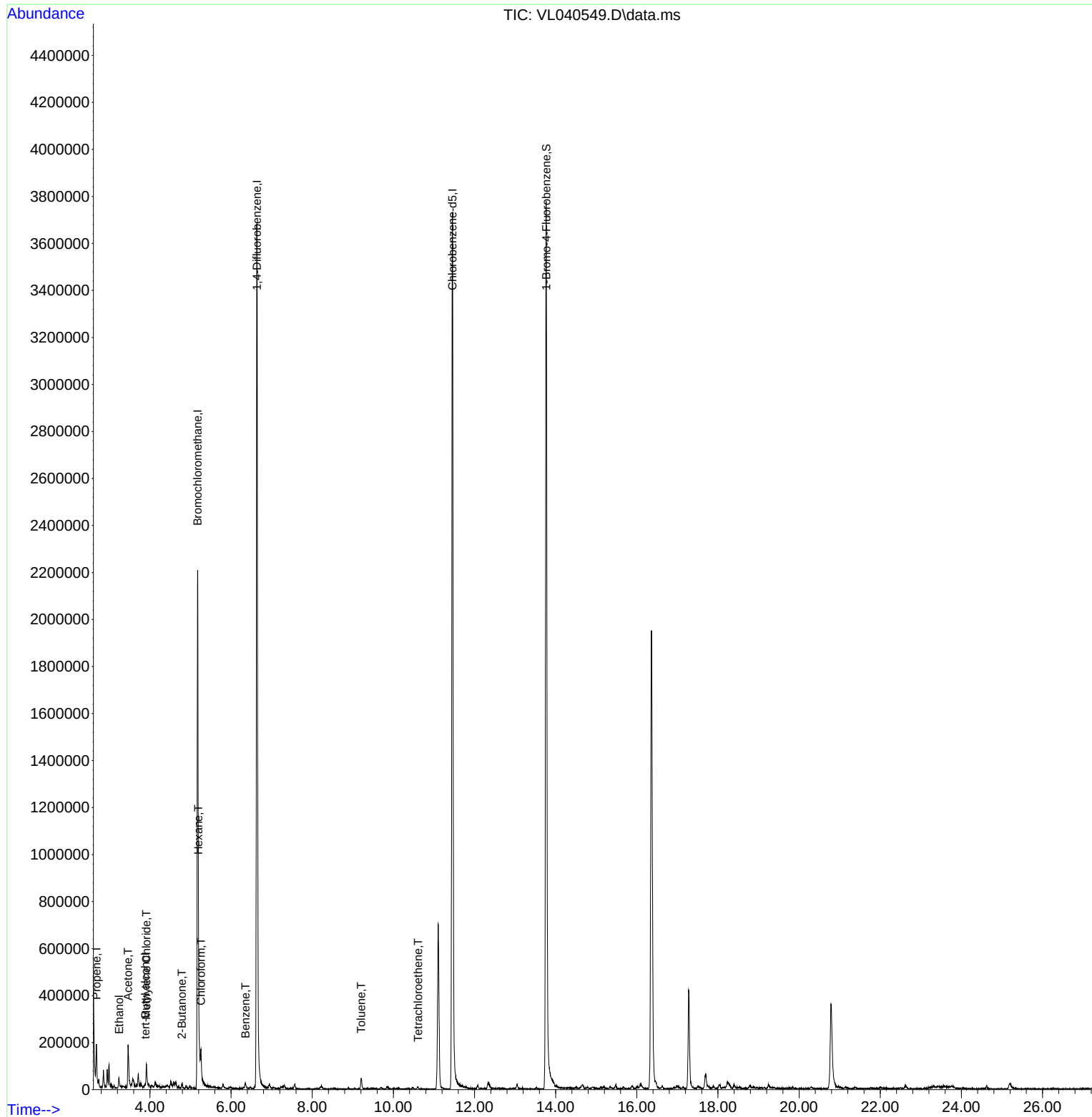
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL072623\
Data File : VL040549.D
Acq On : 26 Jul 2023 20:33
Operator : SY/MD
Sample : 03696-01DL 20X
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

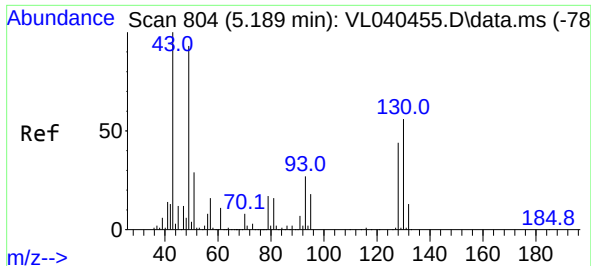
Instrument :
MSVOA_L
ClientSampleId :
SV-16-20230719DL

Quant Time: Jul 27 01:52:18 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL071023AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug
QLast Update : Mon Jul 10 16:32:00 2023
Response via : Initial Calibration

Manual Integrations
APPROVED

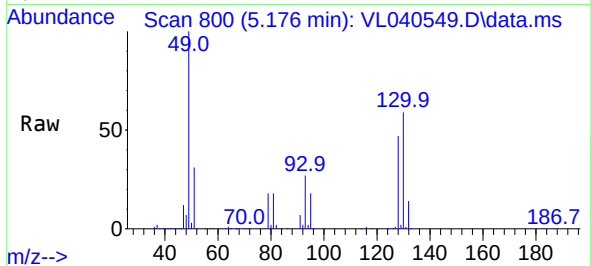
Reviewed By : Semsettin Yesilyurt 07/27/2023
Supervised By : Mahesh Dadoda 07/27/2023





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.176 min Scan# 804
Delta R.T. -0.026 min
Lab File: VL040549.D
Acq: 26 Jul 2023 20:33

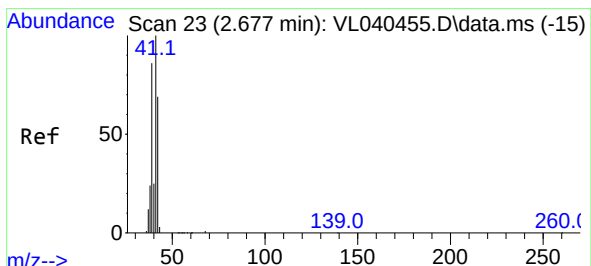
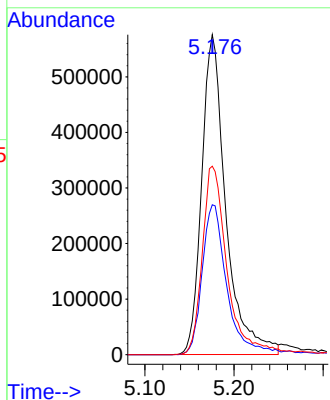
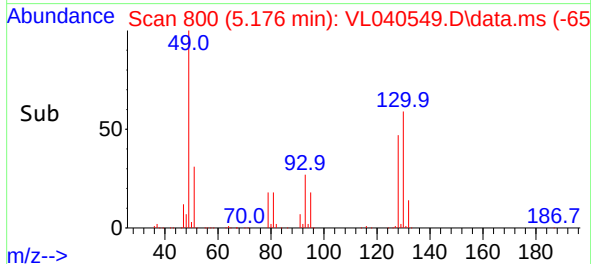
Instrument :
MSVOA_L
ClientSampleId :
SV-16-20230719DL



Tgt Ion: 49 Resp: 1085014
Ion Ratio Lower Upper
49 100
128 49.6 25.1 75.4
130 62.1 31.6 94.7

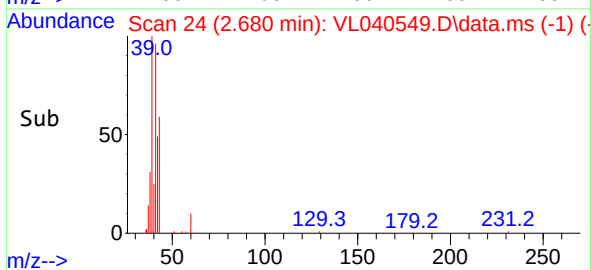
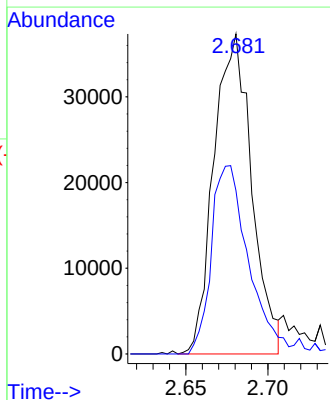
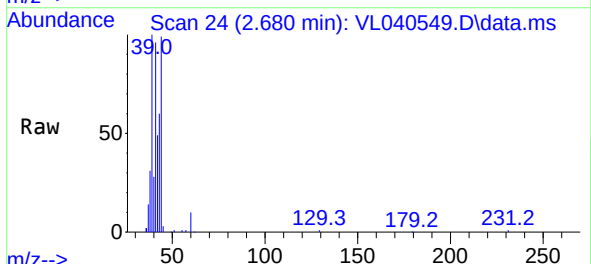
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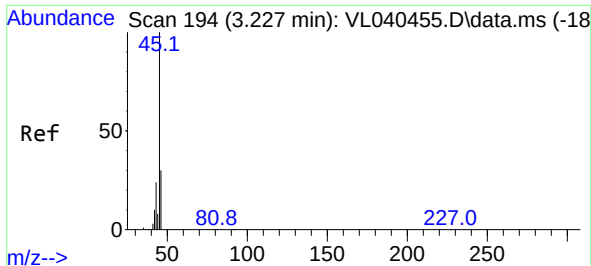
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#9
Propene
Concen: 1.015 ppbv
RT: 2.680 min Scan# 24
Delta R.T. -0.023 min
Lab File: VL040549.D
Acq: 26 Jul 2023 20:33

Tgt Ion: 41 Resp: 59781
Ion Ratio Lower Upper
41 100
42 60.7 55.0 82.6





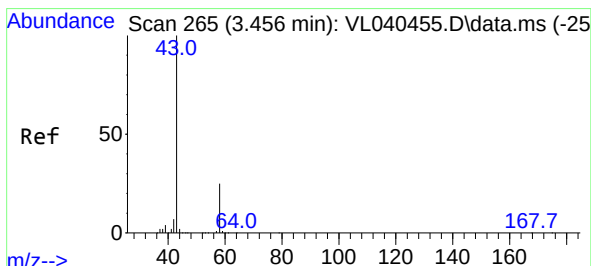
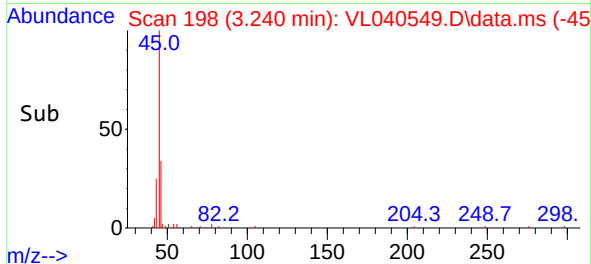
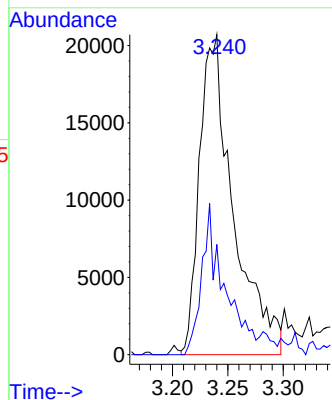
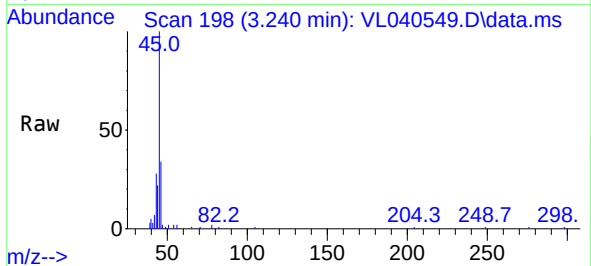
#13
Ethanol
Concen: 3.435 ppbv m
RT: 3.240 min Scan# 194
Delta R.T. -0.007 min
Lab File: VL040549.D
Acq: 26 Jul 2023 20:33

Instrument :
MSVOA_L
ClientSampleId :
SV-16-20230719DL

Tgt Ion: 45 Resp: 44000
Ion Ratio Lower Upper
45 100
46 38.6 15.3 61.1

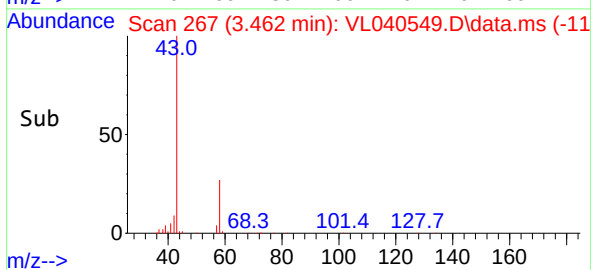
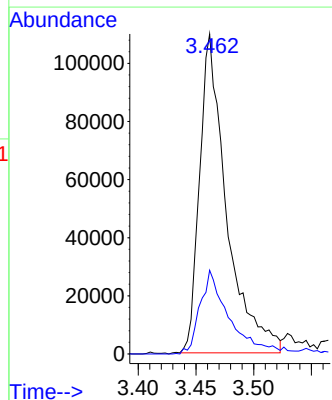
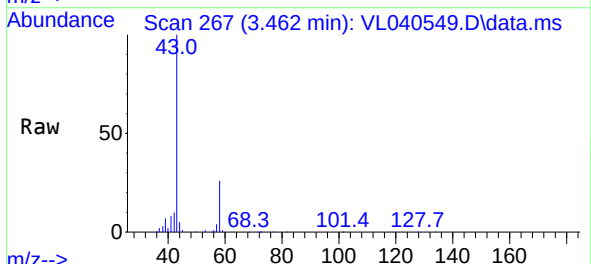
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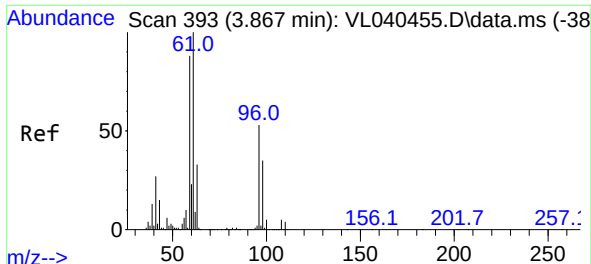
Reviewed By :Semsettin Yesilyurt 07/27/2023
Supervised By :Mahesh Dadoda 07/27/2023



#15
Acetone
Concen: 1.431 ppbv
RT: 3.462 min Scan# 267
Delta R.T. -0.013 min
Lab File: VL040549.D
Acq: 26 Jul 2023 20:33

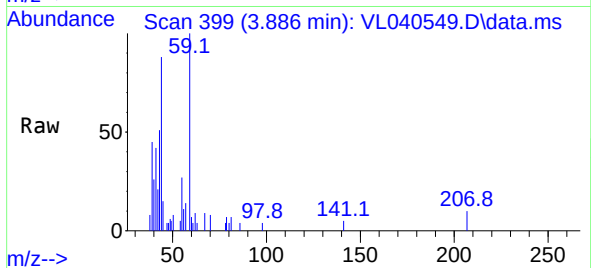
Tgt Ion: 43 Resp: 178743
Ion Ratio Lower Upper
43 100
58 28.7 22.9 34.3





#17
tert-Butyl alcohol
Concen: 0.048 ppbv
RT: 3.886 min Scan# 393
Delta R.T. 0.003 min
Lab File: VL040549.D
Acq: 26 Jul 2023 20:33

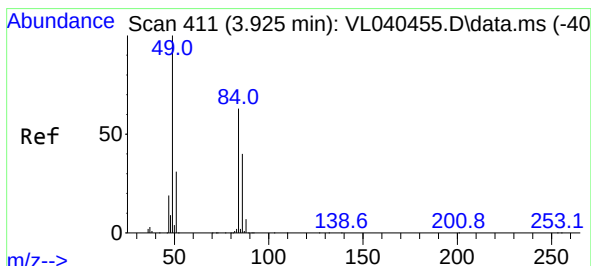
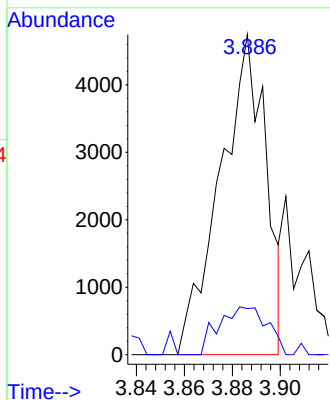
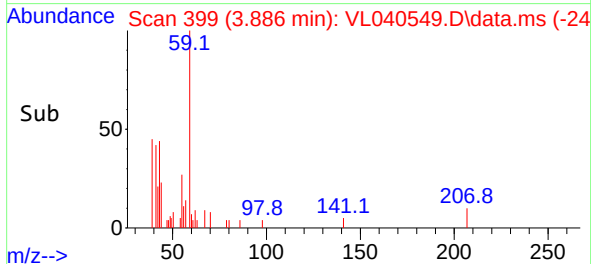
Instrument :
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ClientSampleId :
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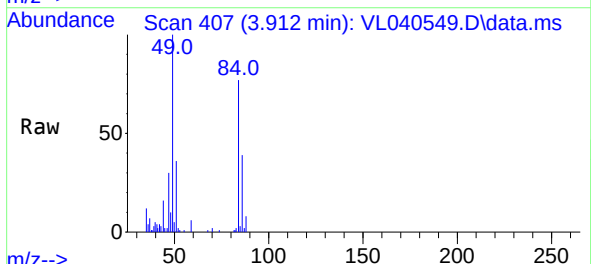
Tgt Ion: 59 Resp: 626
Ion Ratio Lower Upper
59 100
57 16.4 8.7 13.1

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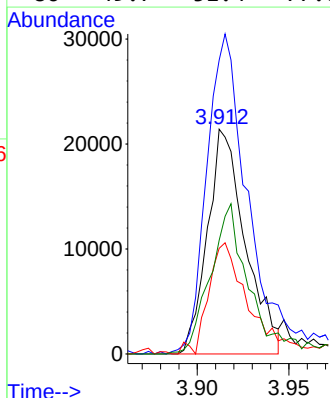
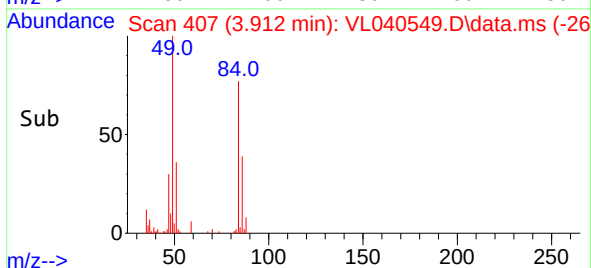
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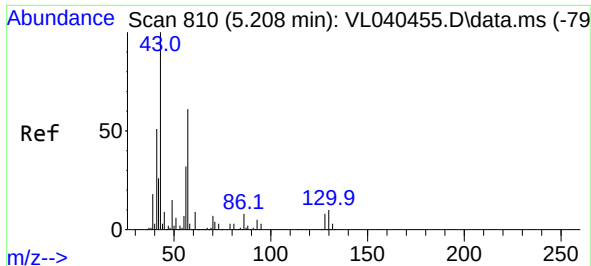


#20
Methylene Chloride
Concen: 0.581 ppbv
RT: 3.912 min Scan# 407
Delta R.T. -0.029 min
Lab File: VL040549.D
Acq: 26 Jul 2023 20:33



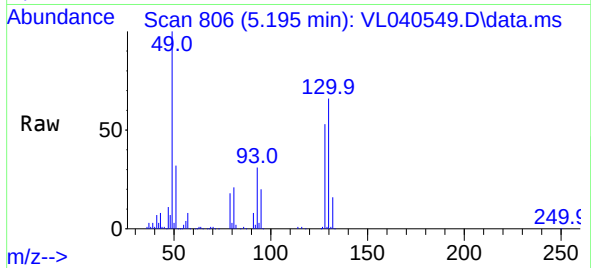
Tgt Ion: 84 Resp: 30856
Ion Ratio Lower Upper
84 100
49 128.8 123.4 185.2
51 47.0 38.3 57.5
86 49.7 51.4 77.0





#26
Hexane
Concen: 0.213 ppbv
RT: 5.195 min Scan# 806
Delta R.T. -0.026 min
Lab File: VL040549.D
Acq: 26 Jul 2023 20:33

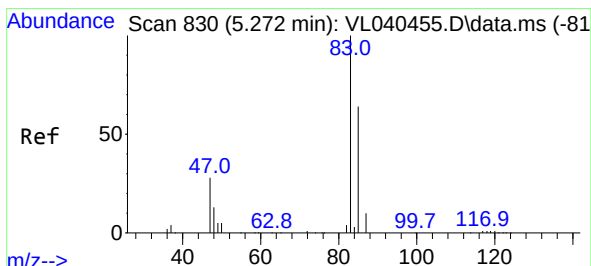
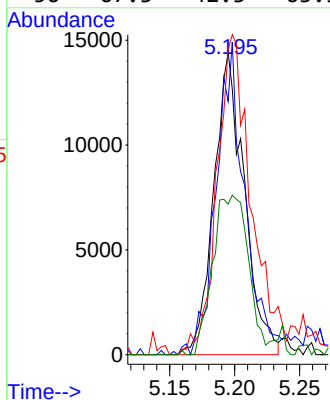
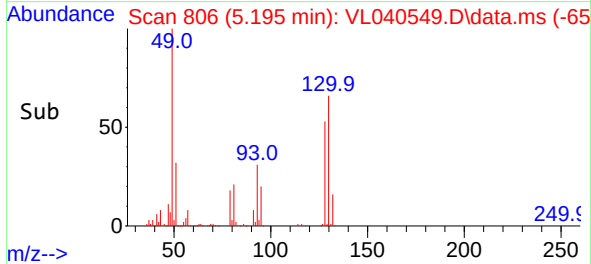
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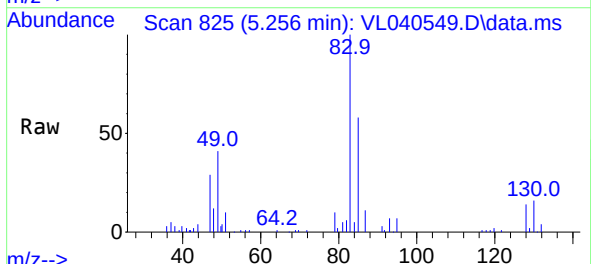
Tgt Ion: 57 Resp: 23474
Ion Ratio Lower Upper
57 100
41 97.4 69.5 104.3
43 129.2 177.1 265.7
56 67.3 42.3 63.5

Manual Integrations
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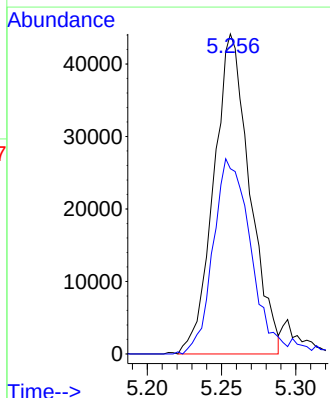
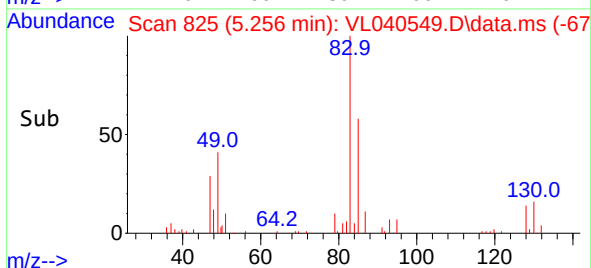
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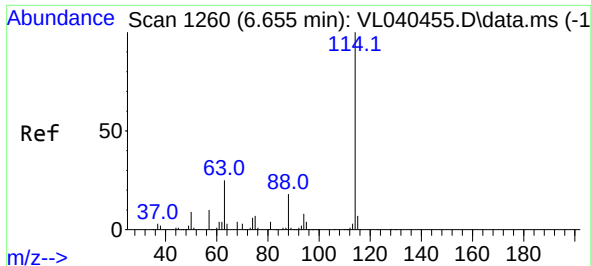


#29
Chloroform
Concen: 0.406 ppbv
RT: 5.256 min Scan# 825
Delta R.T. -0.029 min
Lab File: VL040549.D
Acq: 26 Jul 2023 20:33



Tgt Ion: 83 Resp: 74403
Ion Ratio Lower Upper
83 100
85 57.2 51.1 76.7





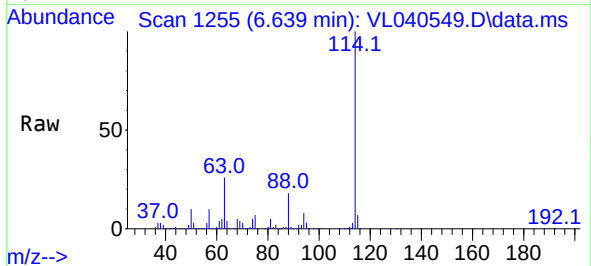
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 6.639 min Scan# 114
Delta R.T. -0.026 min
Lab File: VL040549.D
Acq: 26 Jul 2023 20:33

Instrument :

MSVOA_L

ClientSampleId :

SV-16-20230719DL

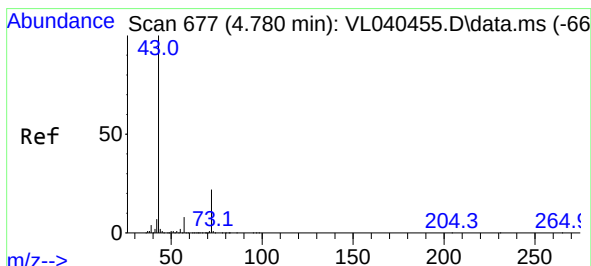
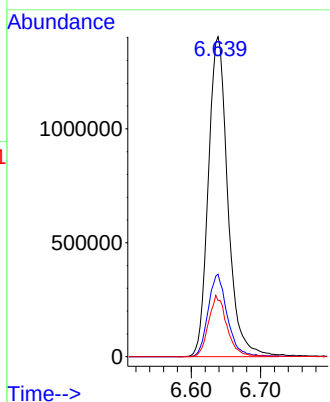
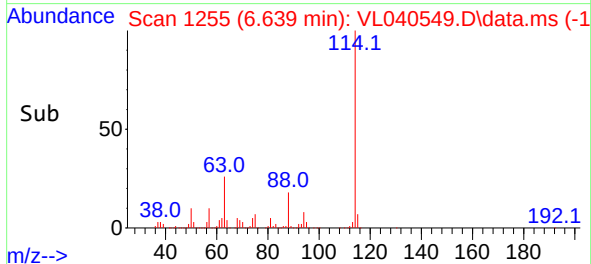


Tgt Ion:114 Resp: 2742004
Ion Ratio Lower Upper
114 100
63 25.7 19.6 29.4
88 18.2 14.2 21.2

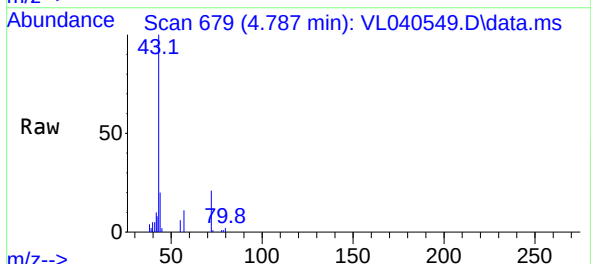
Manual Integrations

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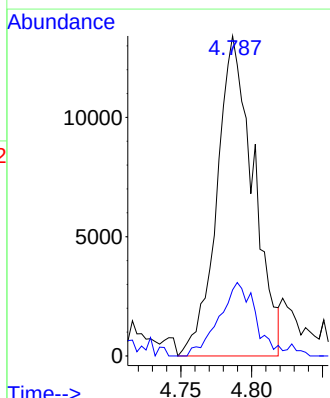
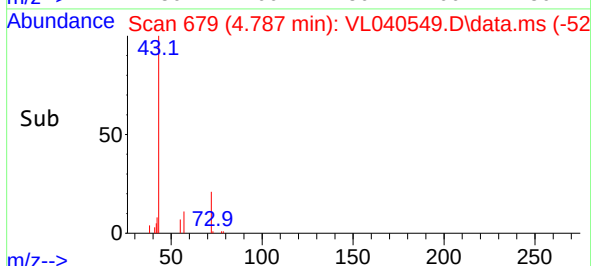
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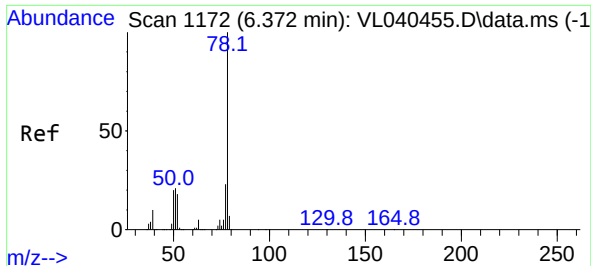


#34
2-Butanone
Concen: 0.177 ppbv
RT: 4.787 min Scan# 679
Delta R.T. -0.007 min
Lab File: VL040549.D
Acq: 26 Jul 2023 20:33



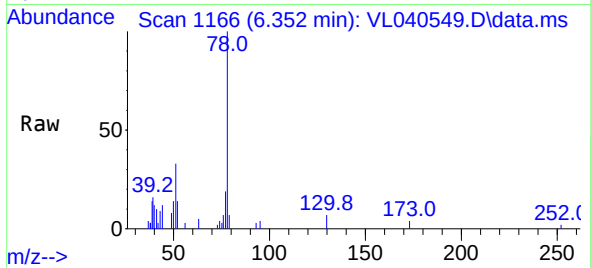
Tgt Ion: 43 Resp: 24042
Ion Ratio Lower Upper
43 100
72 23.9 19.1 28.7





#36
Benzene
Concen: 0.064 ppbv
RT: 6.352 min Scan# 1166
Delta R.T. -0.029 min
Lab File: VL040549.D
Acq: 26 Jul 2023 20:33

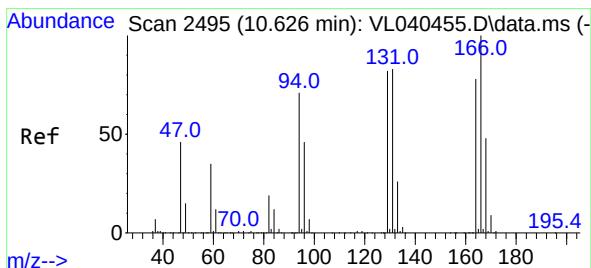
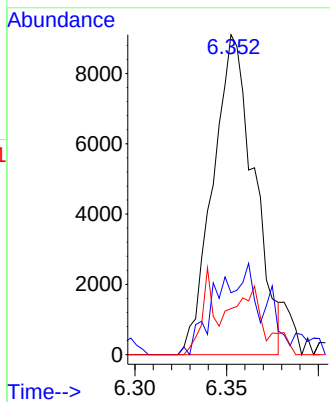
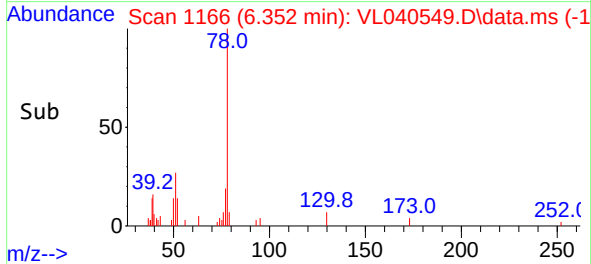
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Tgt Ion: 78 Resp: 1418
Ion Ratio Lower Upper
78 100
77 19.4 17.4 26.0
50 12.7 14.4 21.6

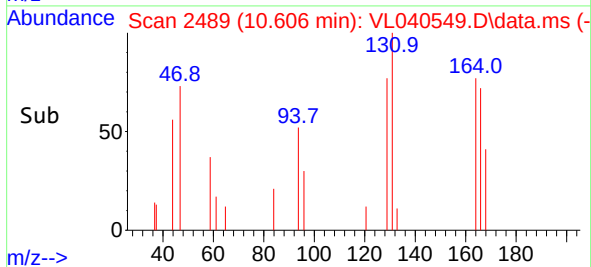
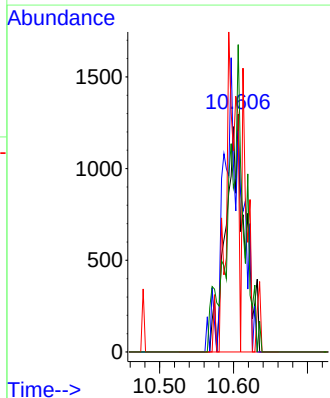
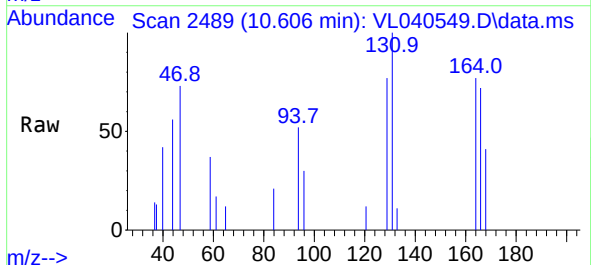
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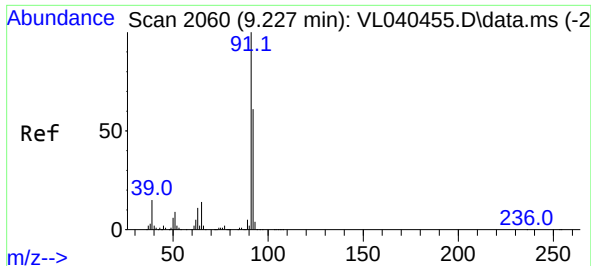
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#52
Tetrachloroethene
Concen: 0.032 ppbv m
RT: 10.606 min Scan# 2489
Delta R.T. -0.020 min
Lab File: VL040549.D
Acq: 26 Jul 2023 20:33

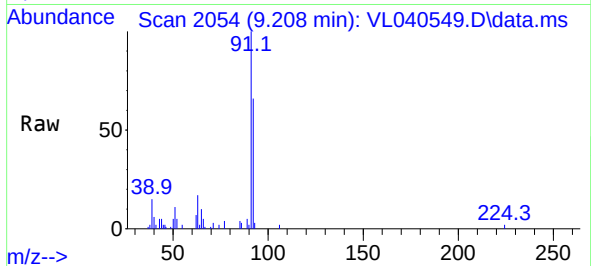
Tgt Ion:164 Resp: 2264
Ion Ratio Lower Upper
164 100
166 92.8 103.9 155.9#
129 99.4 84.6 126.8
131 129.2 82.9 124.3#





#53
Toluene
Concen: 0.136 ppbv m
RT: 9.208 min Scan# 2060
Delta R.T. -0.023 min
Lab File: VL040549.D
Acq: 26 Jul 2023 20:33

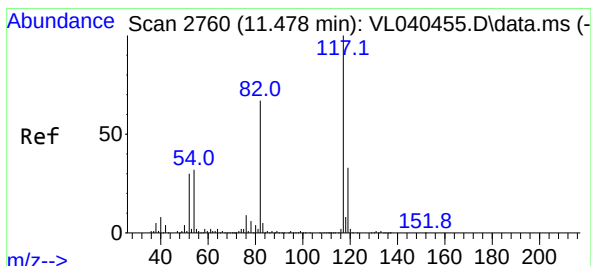
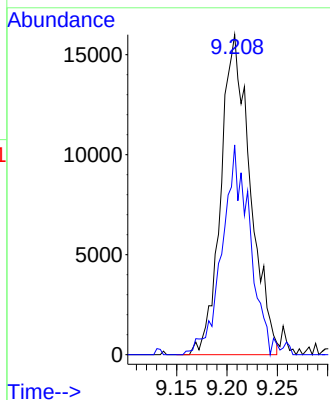
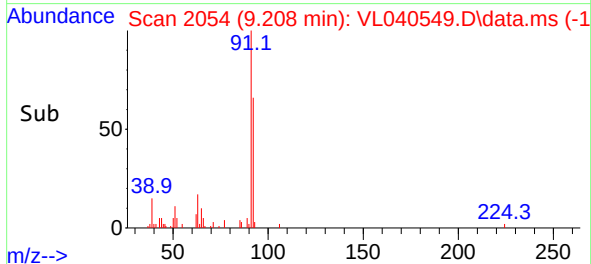
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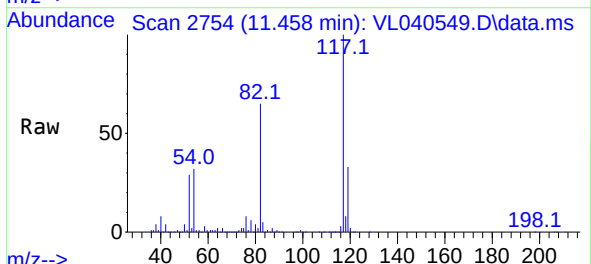
Tgt Ion: 91 Resp: 32560
Ion Ratio Lower Upper
91 100
92 62.7 49.1 73.7

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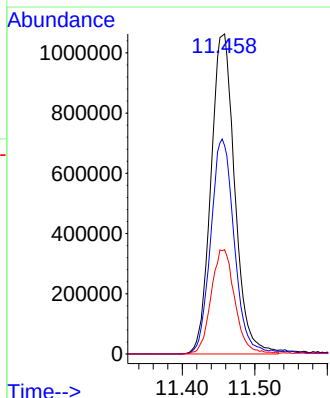
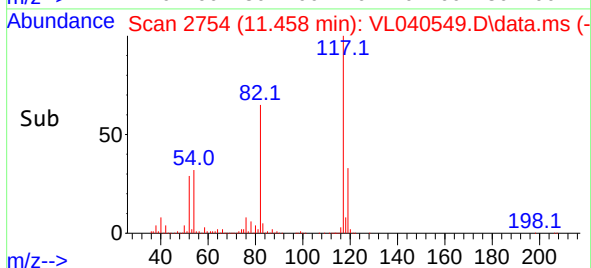
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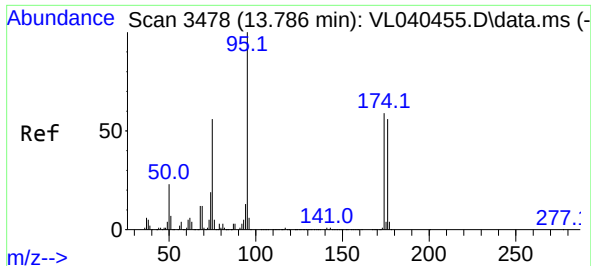


#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.458 min Scan# 2754
Delta R.T. -0.019 min
Lab File: VL040549.D
Acq: 26 Jul 2023 20:33



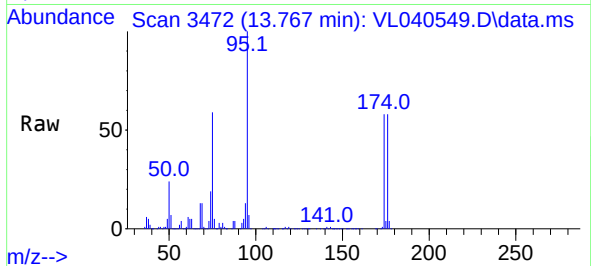
Tgt Ion:117 Resp: 2426804
Ion Ratio Lower Upper
117 100
82 67.2 50.2 75.4
119 32.9 26.9 40.3





#68
1-Bromo-4-Fluorobenzene
Concen: 9.867 ppbv
RT: 13.767 min Scan# 34
Delta R.T. -0.016 min
Lab File: VL040549.D
Acq: 26 Jul 2023 20:33

Instrument :
MSVOA_L
ClientSampleId :
SV-16-20230719DL



Tgt Ion: 95 Resp: 1895100
Ion Ratio Lower Upper
95 100
174 61.5 50.6 75.8
175 4.4 3.7 5.5

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 07/27/2023
Supervised By :Mahesh Dadoda 07/27/2023

