

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL051123\
 Data File : VL040413.D
 Acq On : 12 May 2023 8:19
 Operator : SY/MD
 Sample : 02761-01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SV-03-20230511

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 05/15/2023
 Supervised By :Mahesh Dadoda 05/15/2023

Quant Time: May 12 15:57:27 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL041323AIR.M
 Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Fri Aug 2023
 QLast Update : Thu Apr 13 14:37:02 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.176	49	1035946	10.000	ppbv	-0.01
33) 1,4-Difluorobenzene	6.639	114	2646116	10.000	ppbv	-0.02
55) Chlorobenzene-d5	11.458	117	2391998	10.000	ppbv	-0.02
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.767	95	1844282	9.324	ppbv	-0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	93.200%
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.710	85	41513m	0.222	ppbv	
4) Chloromethane	2.793	50	37496	0.438	ppbv	97
9) Propene	2.674	41	244082	4.564	ppbv	97
11) Trichlorofluoromethane	3.546	101	35993	0.190	ppbv	98
13) Ethanol	3.221	45	211775	47.435	ppbv	99
15) Acetone	3.443	43	3149297	21.464	ppbv #	67
20) Methylene Chloride	3.912	84	64534	1.102	ppbv	93
26) Hexane	5.198	57	147639	1.418	ppbv #	39
34) 2-Butanone	4.764	43	2429129	17.024	ppbv	99
35) Carbon Tetrachloride	6.484	117	11516m	0.062	ppbv	
36) Benzene	6.356	78	46274	0.214	ppbv #	93
51) 2-Hexanone	9.552	43	70966m	0.444	ppbv	
52) Tetrachloroethene	10.610	164	2828m	0.042	ppbv	
53) Toluene	9.208	91	97222m	0.425	ppbv	
58) Ethyl Benzene	12.082	91	26451m	0.090	ppbv	
59) m/p-Xylene	12.343	91	57749m	0.213	ppbv	
60) o-Xylene	13.050	91	29986m	0.115	ppbv	

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

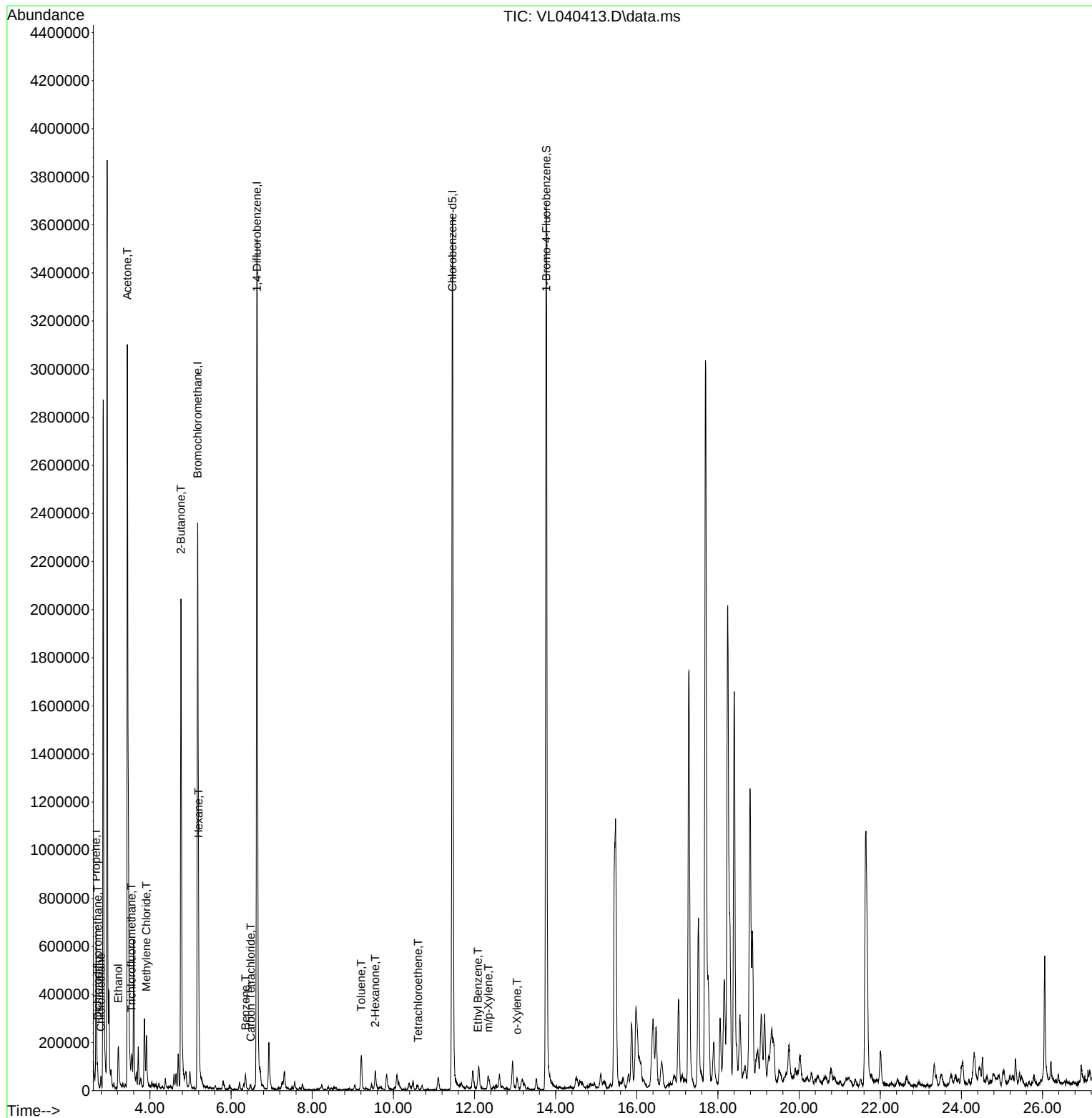
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL051123\
Data File : VL040413.D
Acq On : 12 May 2023 8:19
Operator : SY/MD
Sample : 02761-01
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

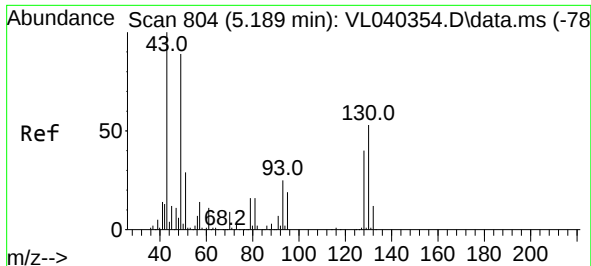
Instrument :
MSVOA_L
ClientSampleId :
SV-03-20230511

Quant Time: May 12 15:57:27 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL041323AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug
QLast Update : Thu Apr 13 14:37:02 2023
Response via : Initial Calibration

Manual Integrations
APPROVED

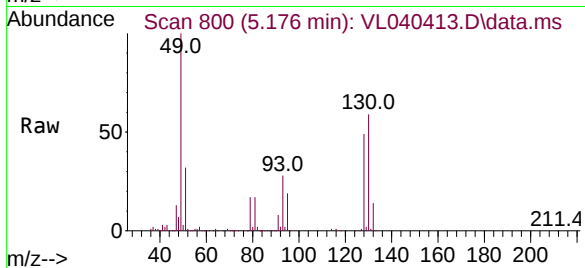
Reviewed By :Krupa Patel 05/15/2023
Supervised By :Mahesh Dadoda 05/15/2023





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.176 min Scan# 80
Delta R.T. -0.013 min
Lab File: VL040413.D
Acq: 12 May 2023 8:19

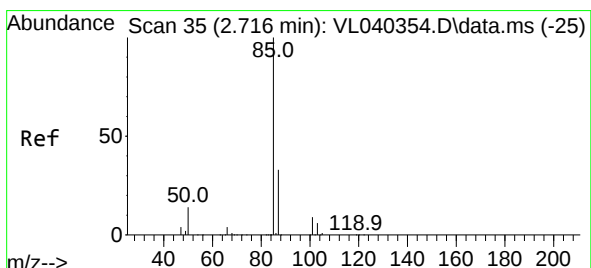
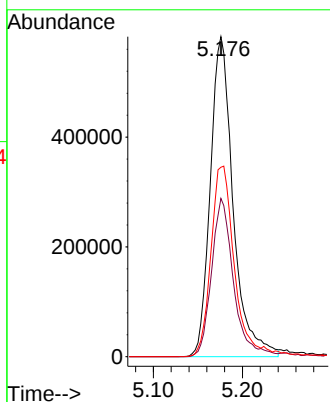
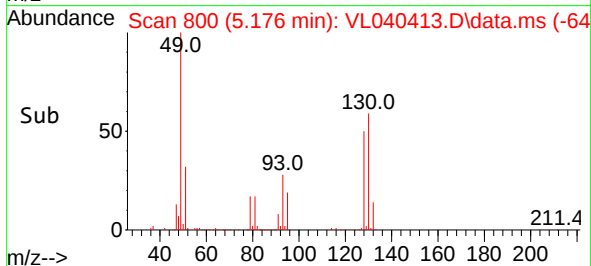
Instrument :
MSVOA_L
ClientSampleId :
SV-03-20230511



Tgt Ion: 49 Resp: 1035940
Ion Ratio Lower Upper
49 100
128 49.2 23.7 71.1
130 63.5 29.9 89.8

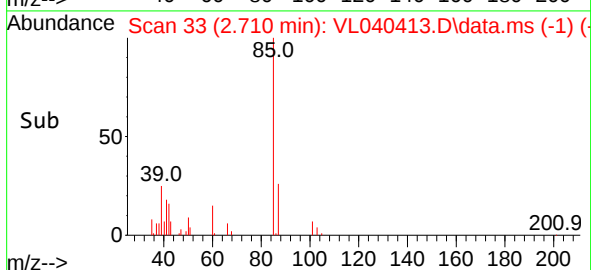
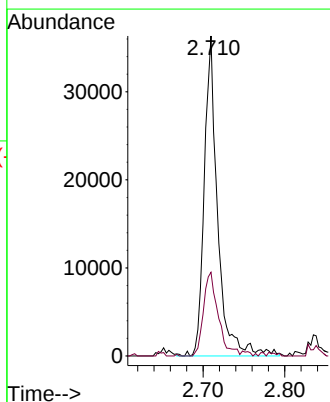
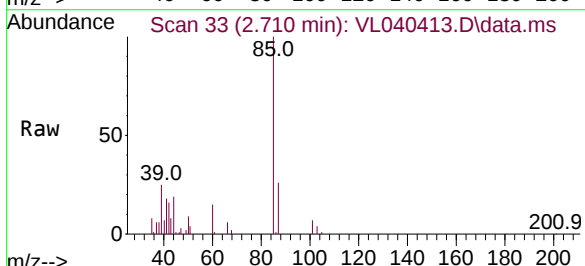
Manual Integrations
APPROVED

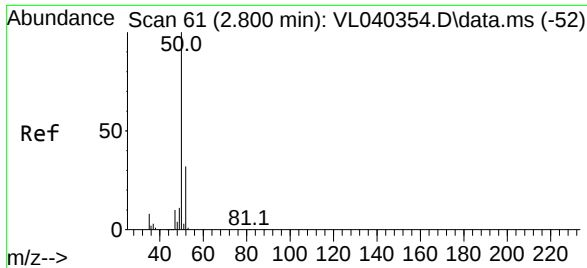
Reviewed By :Krupa Patel 05/15/2023
Supervised By :Mahesh Dadoda 05/15/2023



#2
Dichlorodifluoromethane
Concen: 0.222 ppbv m
RT: 2.710 min Scan# 33
Delta R.T. -0.006 min
Lab File: VL040413.D
Acq: 12 May 2023 8:19

Tgt Ion: 85 Resp: 41513
Ion Ratio Lower Upper
85 100
87 26.1 26.6 40.0#





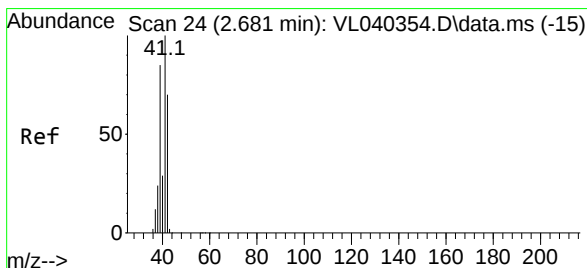
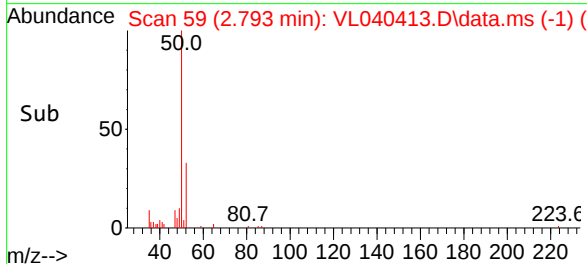
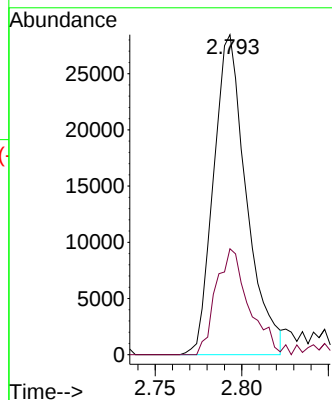
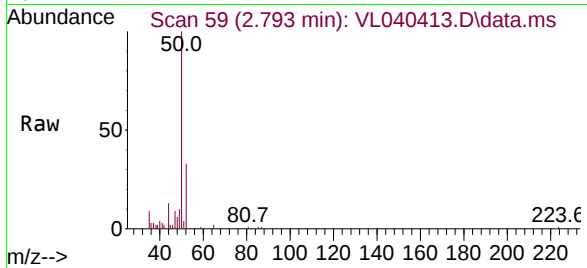
#4
Chloromethane
Concen: 0.438 ppbv
RT: 2.793 min Scan# 51
Delta R.T. -0.007 min
Lab File: VL040413.D
Acq: 12 May 2023 8:19

Instrument :
MSVOA_L
ClientSampleId :
SV-03-20230511

Tgt Ion: 50 Resp: 37490
Ion Ratio Lower Upper
50 100
52 33.1 25.3 37.9

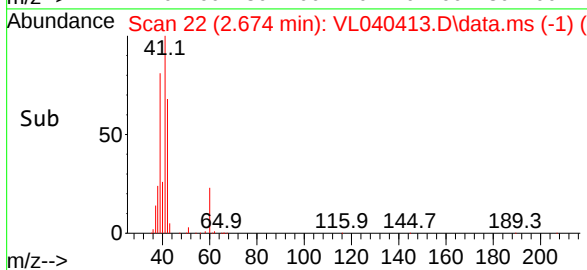
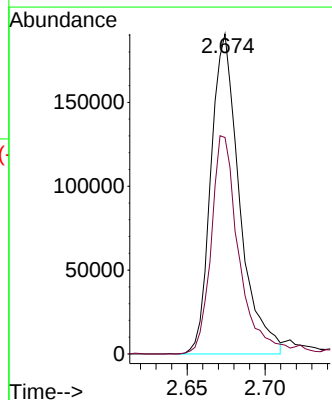
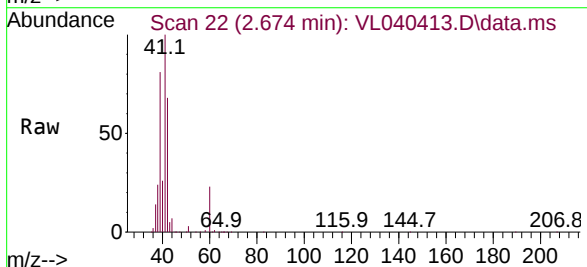
Manual Integrations
APPROVED

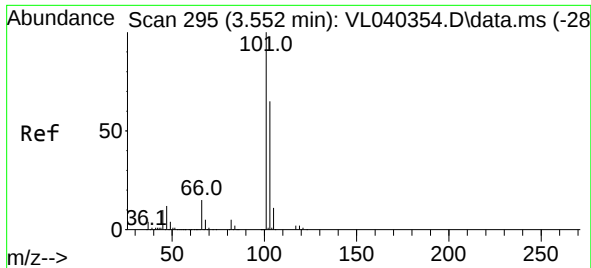
Reviewed By :Krupa Patel 05/15/2023
Supervised By :Mahesh Dadoda 05/15/2023



#9
Propene
Concen: 4.564 ppbv
RT: 2.674 min Scan# 22
Delta R.T. -0.007 min
Lab File: VL040413.D
Acq: 12 May 2023 8:19

Tgt Ion: 41 Resp: 244082
Ion Ratio Lower Upper
41 100
42 68.3 56.5 84.7





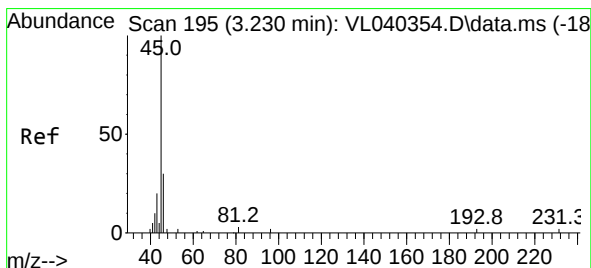
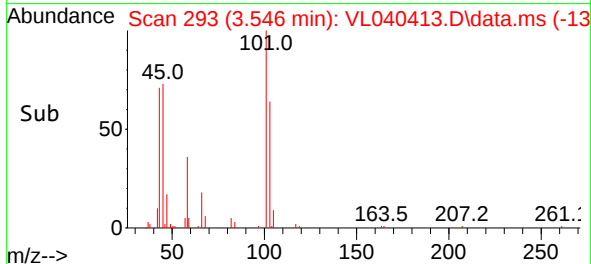
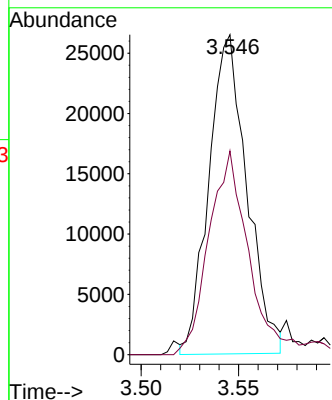
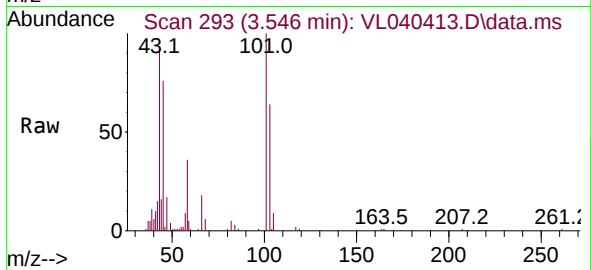
#11
Trichlorofluoromethane
Concen: 0.190 ppbv
RT: 3.546 min Scan# 295
Delta R.T. -0.006 min
Lab File: VL040413.D
Acq: 12 May 2023 8:19

Instrument :
MSVOA_L
ClientSampleId :
SV-03-20230511

Tgt Ion:101 Resp: 3599
Ion Ratio Lower Upper
101 100
103 63.6 52.2 78.4

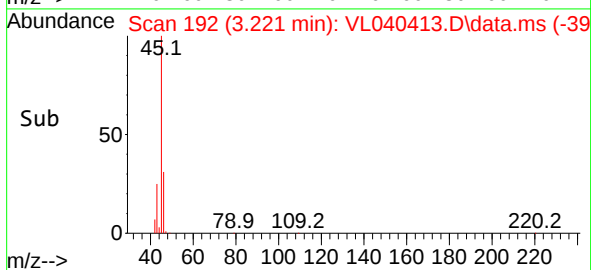
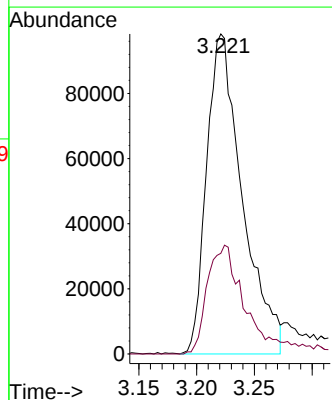
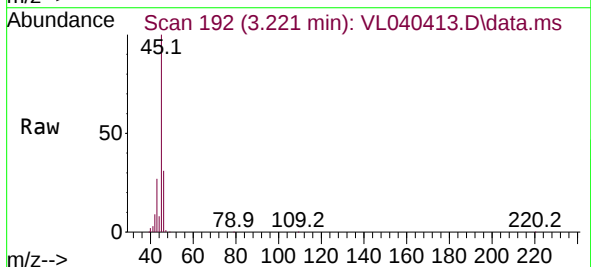
Manual Integrations
APPROVED

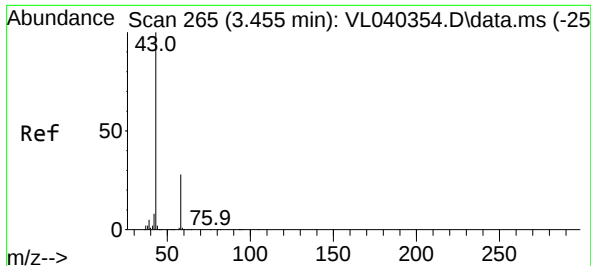
Reviewed By :Krupa Patel 05/15/2023
Supervised By :Mahesh Dadoda 05/15/2023



#13
Ethanol
Concen: 47.435 ppbv
RT: 3.221 min Scan# 192
Delta R.T. -0.009 min
Lab File: VL040413.D
Acq: 12 May 2023 8:19

Tgt Ion: 45 Resp: 211775
Ion Ratio Lower Upper
45 100
46 37.5 15.3 61.3





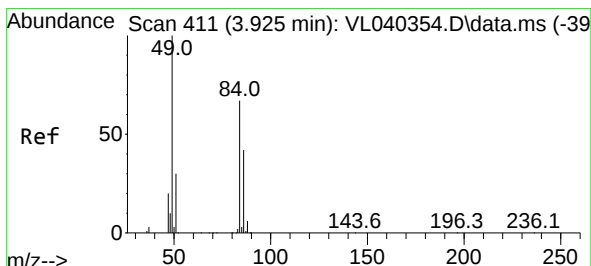
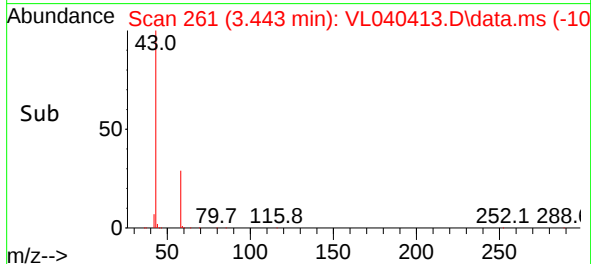
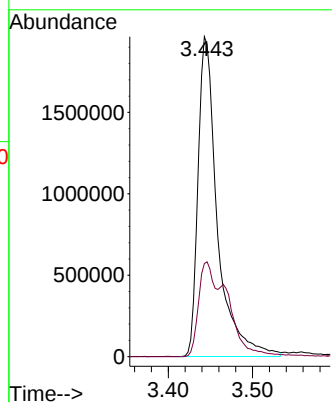
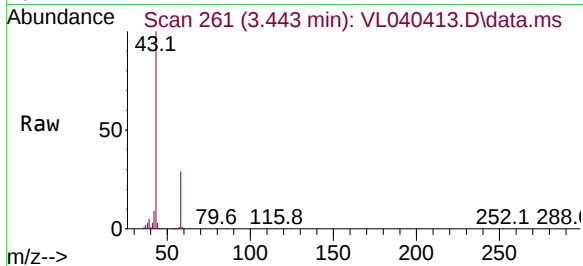
#15
Acetone
Concen: 21.464 ppbv
RT: 3.443 min Scan# 20
Delta R.T. -0.012 min
Lab File: VL040413.D
Acq: 12 May 2023 8:19

Instrument :
MSVOA_L
ClientSampleId :
SV-03-20230511

Tgt Ion: 43 Resp: 314929
Ion Ratio Lower Upper
43 100
58 45.0 22.2 33.2

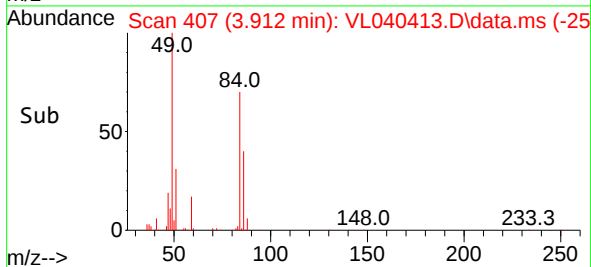
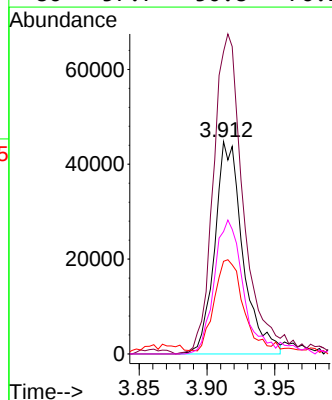
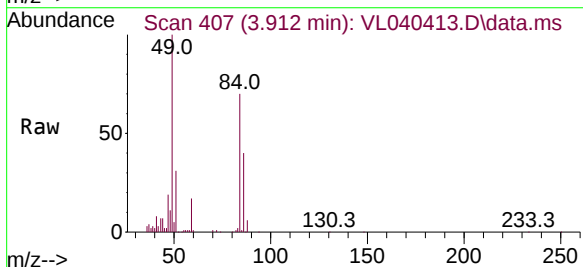
Manual Integrations
APPROVED

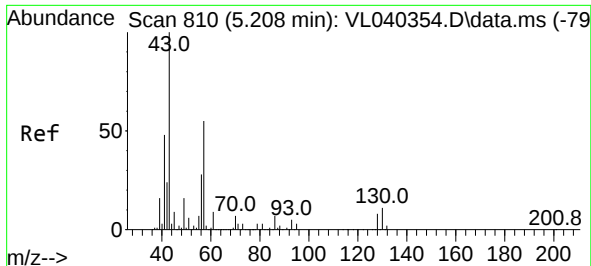
Reviewed By :Krupa Patel 05/15/2023
Supervised By :Mahesh Dadoda 05/15/2023



#20
Methylene Chloride
Concen: 1.102 ppbv
RT: 3.912 min Scan# 407
Delta R.T. -0.013 min
Lab File: VL040413.D
Acq: 12 May 2023 8:19

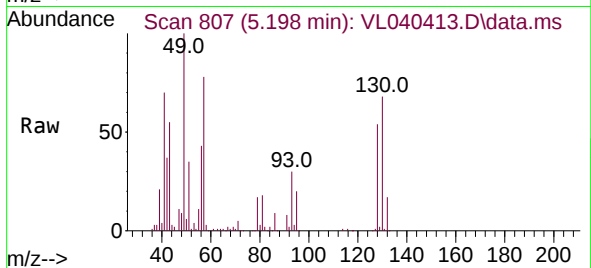
Tgt Ion: 84 Resp: 64534
Ion Ratio Lower Upper
84 100
49 140.2 120.1 180.1
51 41.3 36.3 54.5
86 57.7 50.8 76.2





#26
Hexane
Concen: 1.418 ppbv
RT: 5.198 min Scan# 807
Delta R.T. -0.010 min
Lab File: VL040413.D
Acq: 12 May 2023 8:19

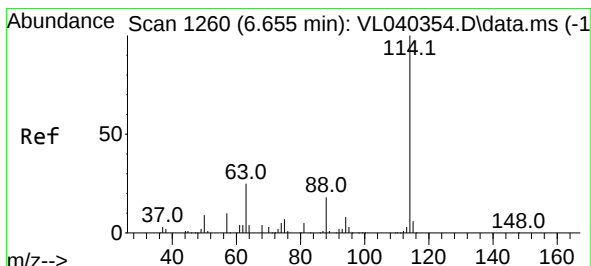
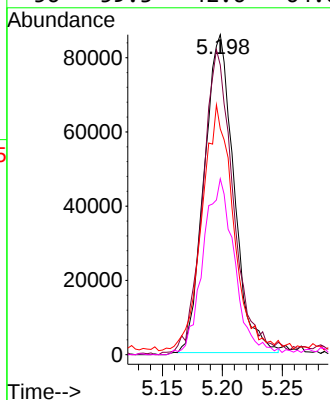
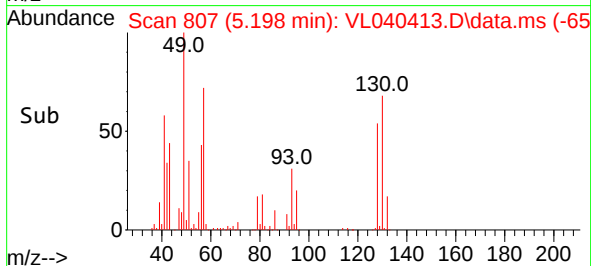
Instrument :
MSVOA_L
Client Sample Id :
SV-03-20230511



Tgt Ion: 57 Resp: 147639
Ion Ratio Lower Upper
57 100
41 103.7 74.8 112.2
43 82.7 192.7 289.1
56 59.3 42.6 64.0

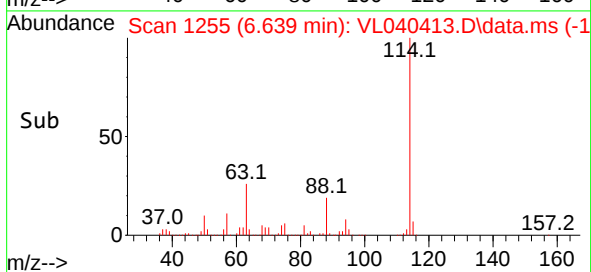
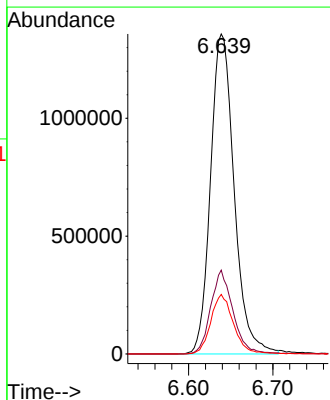
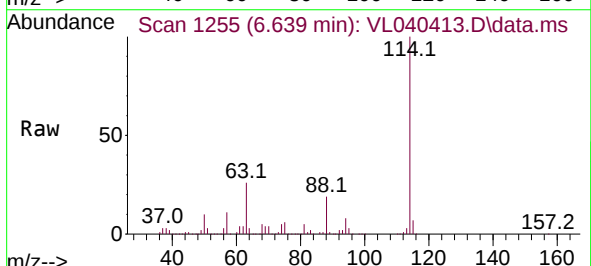
Manual Integrations
APPROVED

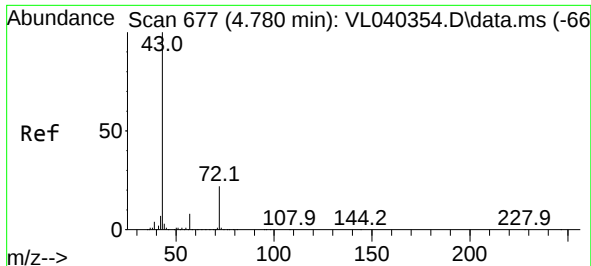
Reviewed By :Krupa Patel 05/15/2023
Supervised By :Mahesh Dadoda 05/15/2023



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 6.639 min Scan# 1255
Delta R.T. -0.016 min
Lab File: VL040413.D
Acq: 12 May 2023 8:19

Tgt Ion:114 Resp: 2646116
Ion Ratio Lower Upper
114 100
63 24.9 21.4 32.0
88 18.0 14.6 22.0





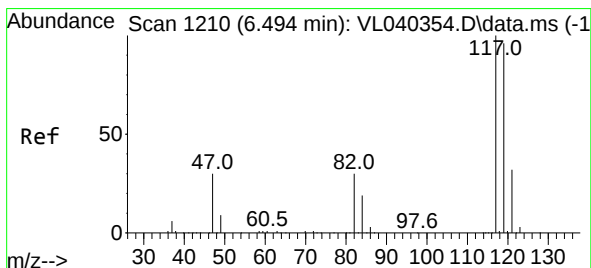
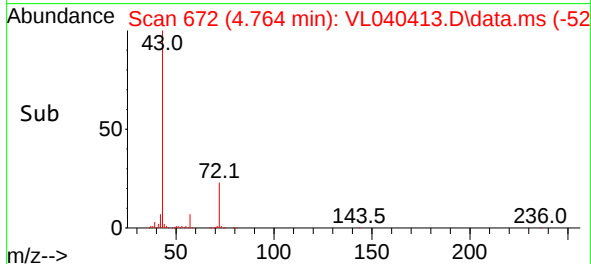
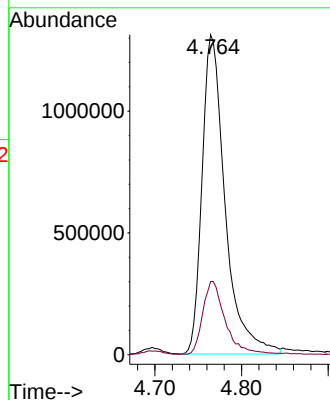
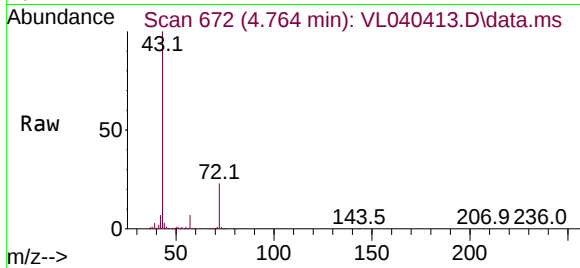
#34
2-Butanone
Concen: 17.024 ppbv
RT: 4.764 min Scan# 61
Delta R.T. -0.016 min
Lab File: VL040413.D
Acq: 12 May 2023 8:19

Instrument :
MSVOA_L
ClientSampleId :
SV-03-20230511

Tgt Ion: 43 Resp: 2429129
Ion Ratio Lower Upper
43 100
72 22.7 18.4 27.6

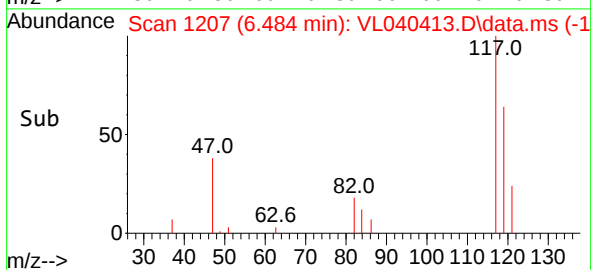
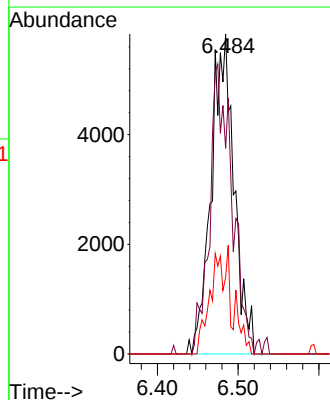
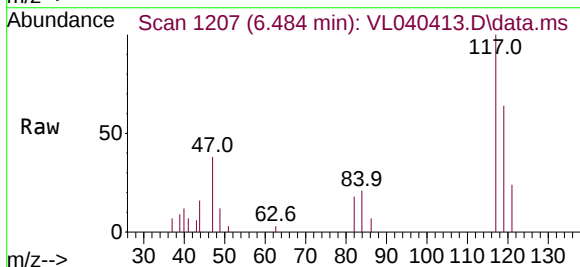
Manual Integrations
APPROVED

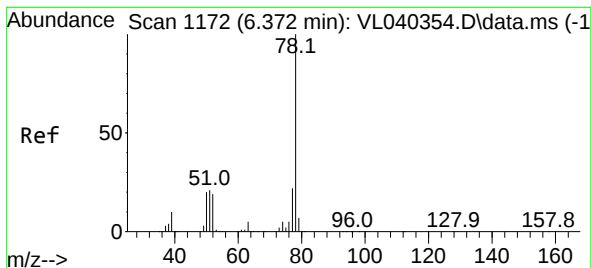
Reviewed By :Krupa Patel 05/15/2023
Supervised By :Mahesh Dadoda 05/15/2023



#35
Carbon Tetrachloride
Concen: 0.062 ppbv m
RT: 6.484 min Scan# 1207
Delta R.T. -0.010 min
Lab File: VL040413.D
Acq: 12 May 2023 8:19

Tgt Ion:117 Resp: 11516
Ion Ratio Lower Upper
117 100
119 64.2 76.6 114.8#
121 23.9 25.3 37.9#





#36

Benzene

Concen: 0.214 ppbv

RT: 6.356 min Scan# 1172

Delta R.T. -0.016 min

Lab File: VL040413.D

Acq: 12 May 2023 8:19

Instrument :

MSVOA_L

ClientSampleId :

SV-03-20230511

Tgt Ion: 78 Resp: 46274

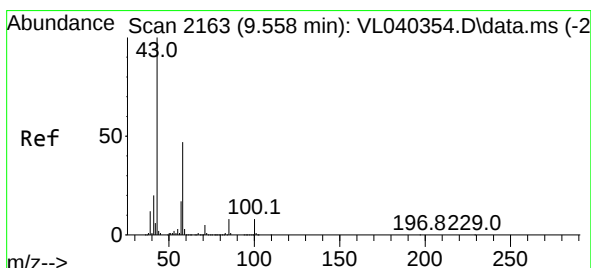
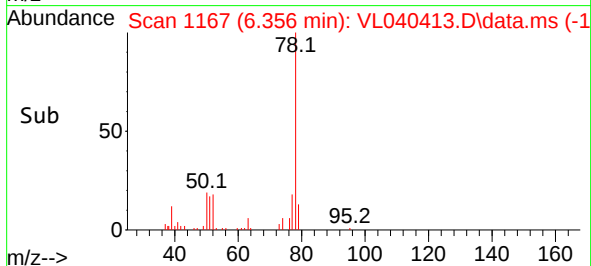
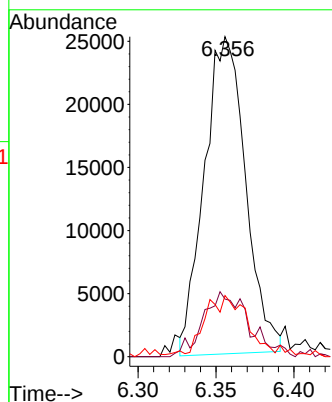
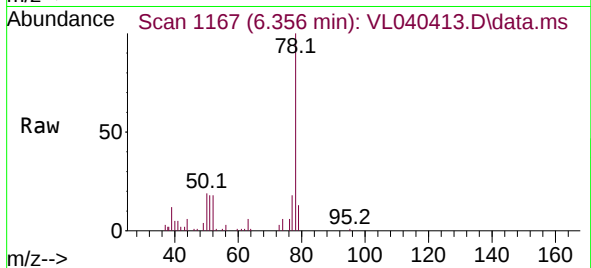
Ion	Ratio	Lower	Upper
78	100		
77	17.2	17.8	26.8
50	18.4	15.6	23.4

Manual Integrations

APPROVED

Reviewed By :Krupa Patel 05/15/2023

Supervised By :Mahesh Dadoda 05/15/2023



#51

2-Hexanone

Concen: 0.444 ppbv m

RT: 9.552 min Scan# 2161

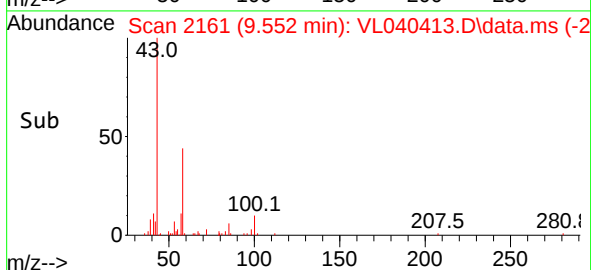
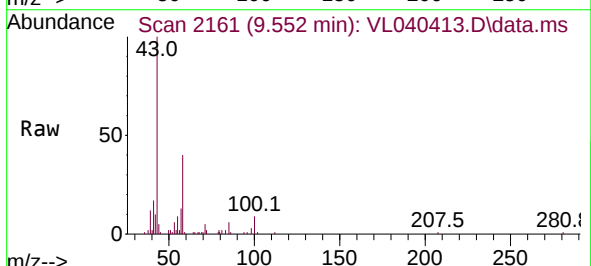
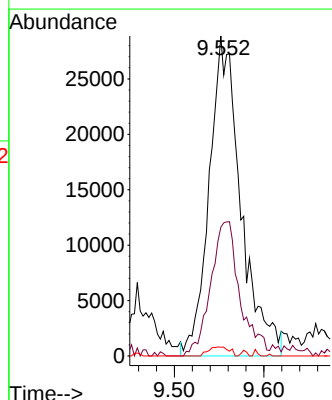
Delta R.T. -0.006 min

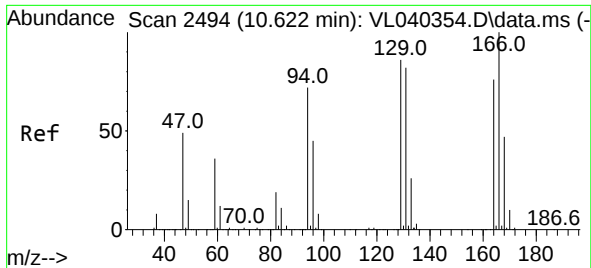
Lab File: VL040413.D

Acq: 12 May 2023 8:19

Tgt Ion: 43 Resp: 70966

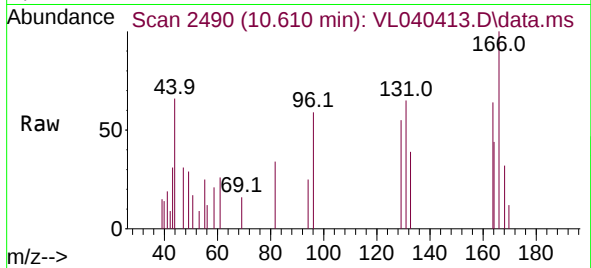
Ion	Ratio	Lower	Upper
43	100		
58	0.0	38.3	57.5
98	2.3	0.4	0.6





#52
Tetrachloroethene
Concen: 0.042 ppbv m
RT: 10.610 min Scan# 2494
Delta R.T. -0.012 min
Lab File: VL040413.D
Acq: 12 May 2023 8:19

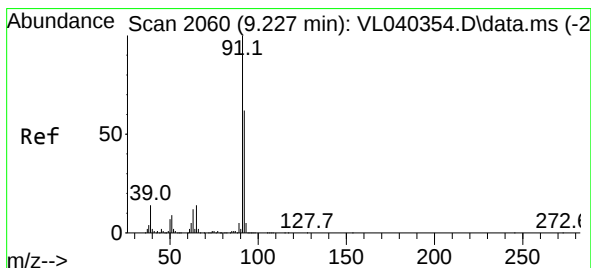
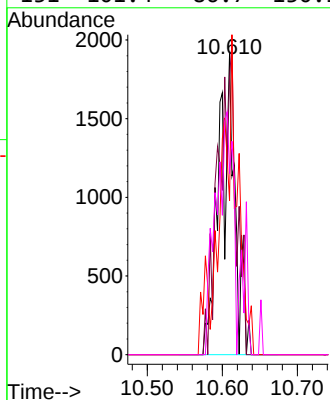
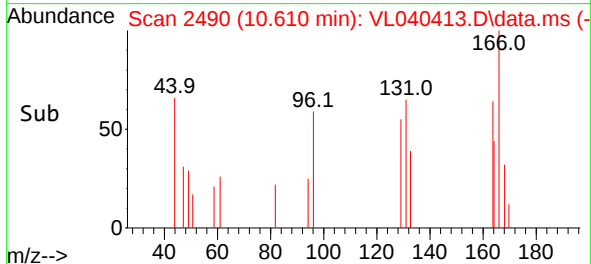
Instrument :
MSVOA_L
ClientSampleId :
SV-03-20230511



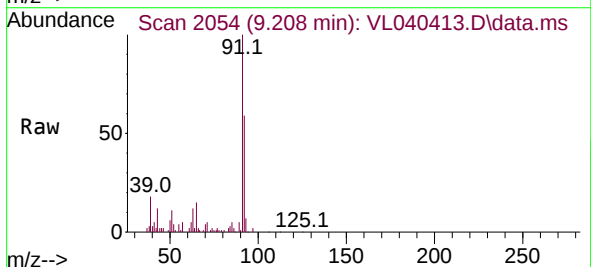
Tgt Ion:164 Resp: 2828
Ion Ratio Lower Upper
164 100
166 155.5 105.2 157.8
129 86.2 90.3 135.5
131 101.4 86.7 130.1

Manual Integrations
APPROVED

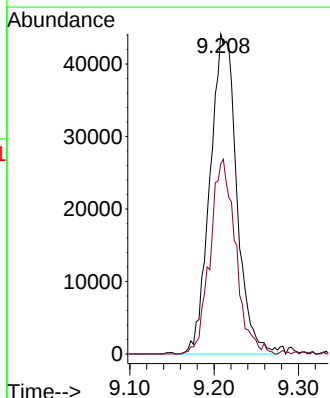
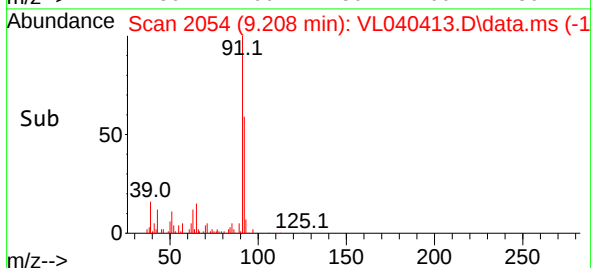
Reviewed By :Krupa Patel 05/15/2023
Supervised By :Mahesh Dadoda 05/15/2023

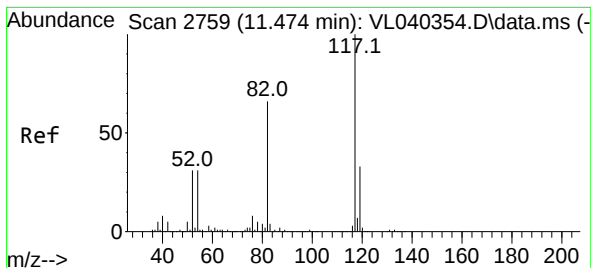


#53
Toluene
Concen: 0.425 ppbv m
RT: 9.208 min Scan# 2054
Delta R.T. -0.019 min
Lab File: VL040413.D
Acq: 12 May 2023 8:19



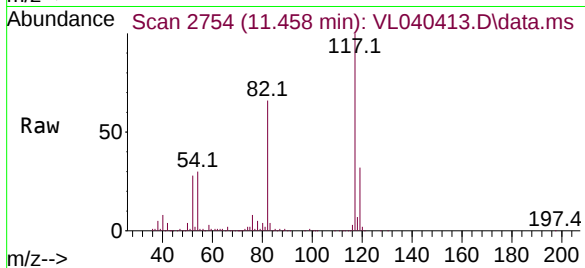
Tgt Ion: 91 Resp: 97222
Ion Ratio Lower Upper
91 100
92 0.0 48.9 73.3#





#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.458 min Scan# 21
Delta R.T. -0.016 min
Lab File: VL040413.D
Acq: 12 May 2023 8:19

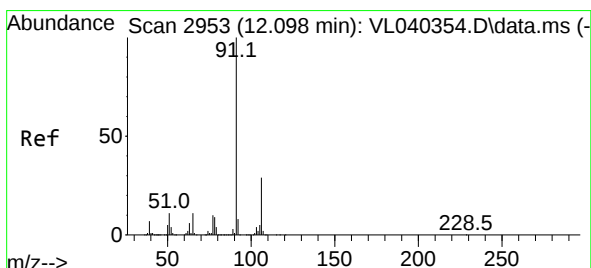
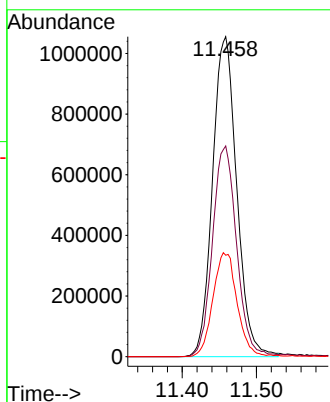
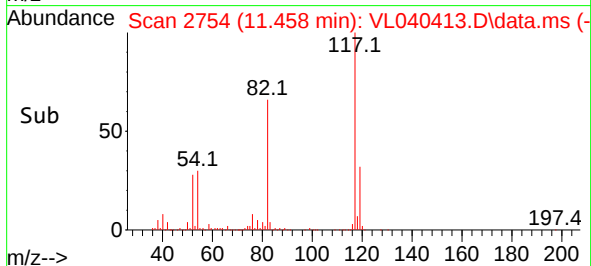
Instrument :
MSVOA_L
ClientSampleId :
SV-03-20230511



Tgt Ion:117 Resp: 2391998
Ion Ratio Lower Upper
117 100
82 66.6 52.5 78.7
119 32.8 24.3 36.5

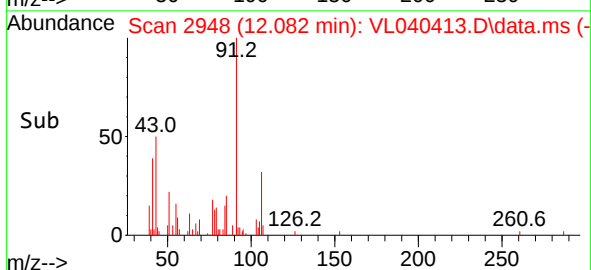
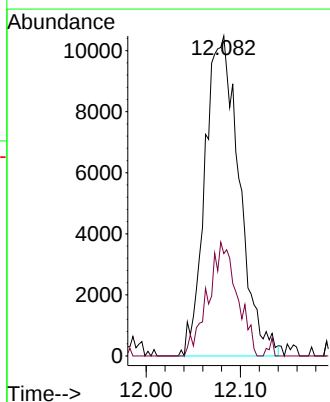
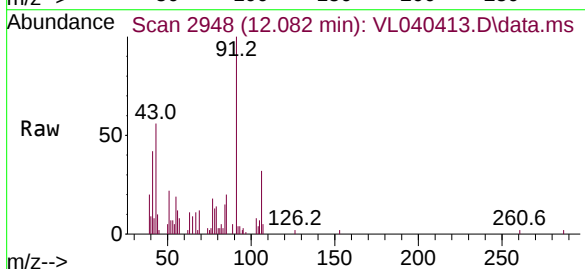
Manual Integrations
APPROVED

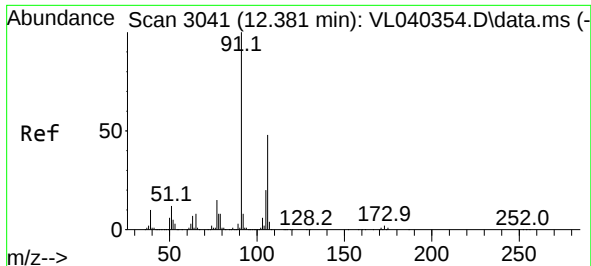
Reviewed By :Krupa Patel 05/15/2023
Supervised By :Mahesh Dadoda 05/15/2023



#58
Ethyl Benzene
Concen: 0.090 ppbv m
RT: 12.082 min Scan# 2948
Delta R.T. -0.016 min
Lab File: VL040413.D
Acq: 12 May 2023 8:19

Tgt Ion: 91 Resp: 26451
Ion Ratio Lower Upper
91 100
106 32.0 23.5 35.3





#59

m/p-Xylene

Concen: 0.213 ppbv m

RT: 12.343 min Scan# 3041

Delta R.T. -0.038 min

Lab File: VL040413.D

Acq: 12 May 2023 8:19

Instrument :

MSVOA_L

ClientSampleId :

SV-03-20230511

Tgt Ion: 91 Resp: 57749

Ion Ratio Lower Upper

91 100

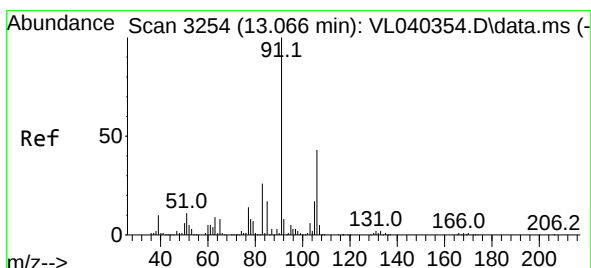
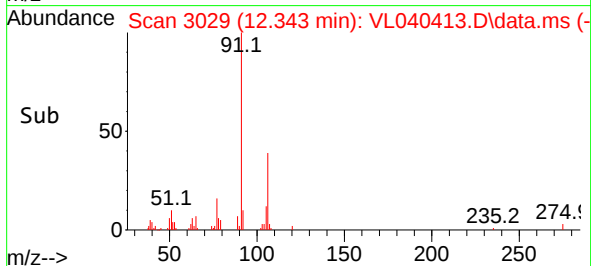
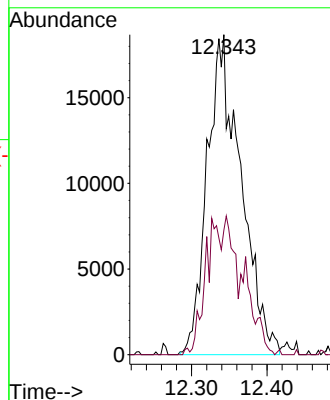
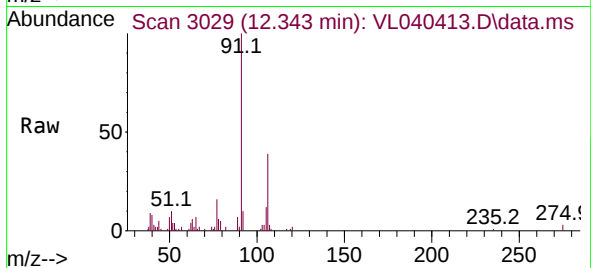
106 0.0 34.7 52.1

Manual Integrations

APPROVED

Reviewed By :Krupa Patel 05/15/2023

Supervised By :Mahesh Dadoda 05/15/2023



#60

o-Xylene

Concen: 0.115 ppbv m

RT: 13.050 min Scan# 3249

Delta R.T. -0.016 min

Lab File: VL040413.D

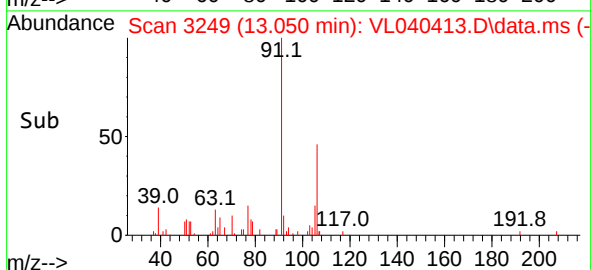
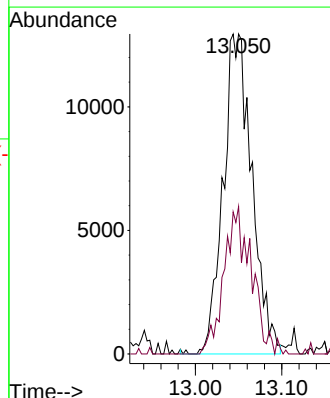
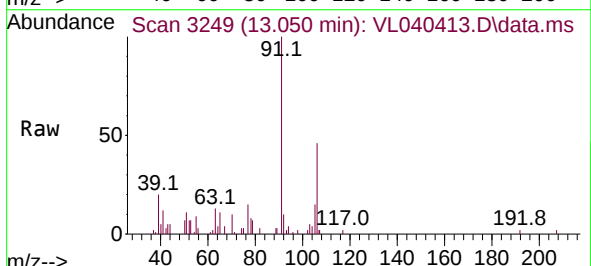
Acq: 12 May 2023 8:19

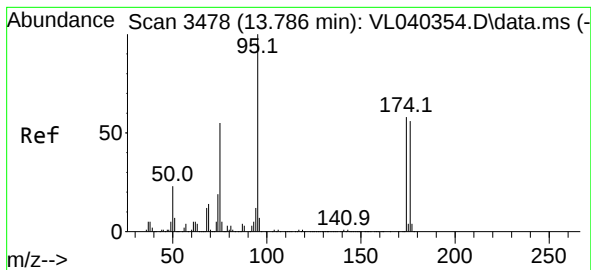
Tgt Ion: 91 Resp: 29986

Ion Ratio Lower Upper

91 100

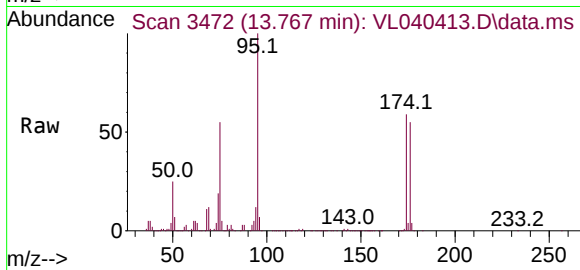
106 44.1 21.9 65.8





#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.324 ppbv
 RT: 13.767 min Scan# 3472
 Delta R.T. -0.019 min
 Lab File: VL040413.D
 Acq: 12 May 2023 8:19

Instrument :
 MSVOA_L
 ClientSampleId :
 SV-03-20230511



Tgt Ion: 95 Resp: 184428
 Ion Ratio Lower Upper
 95 100
 174 61.1 47.2 70.8
 175 4.4 3.5 5.3

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 05/15/2023
 Supervised By :Mahesh Dadoda 05/15/2023

