

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL091823\
 Data File : VL040695.D
 Acq On : 18 Sep 2023 12:05
 Operator : SY/MD
 Sample : 04468-01 4X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SV1

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 09/19/2023
 Supervised By :Mahesh Dadoda 09/19/2023

Quant Time: Sep 19 05:17:13 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL091423AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 18 2023
 QLast Update : Tue Sep 19 05:12:43 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.205	49	1275471	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.664	114	3405784	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.478	117	2822114	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.786	95	2115257	9.701	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	97.000%
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.742	85	31940	0.114	ppbv	91
3) Chlorodifluoromethane	2.687	51	22707m	0.109	ppbv	
9) Propene	2.719	41	28648m	0.479	ppbv	
13) Ethanol	3.263	45	29689m	1.676	ppbv	
15) Acetone	3.484	43	710477	4.223	ppbv	95
17) tert-Butyl alcohol	3.912	59	25852m	0.150	ppbv	
19) Isopropyl Alcohol	3.603	45	101973	1.006	ppbv #	93
20) Methylene Chloride	3.947	84	73431	0.811	ppbv	95
26) Hexane	5.221	57	111295	0.867	ppbv #	40
27) Carbon Disulfide	4.137	76	48917	0.273	ppbv #	68
29) Chloroform	5.285	83	55226	0.249	ppbv	97
30) Cyclohexane	6.616	84	14269m	0.148	ppbv	
34) 2-Butanone	4.812	43	47822	0.279	ppbv #	88
36) Benzene	6.375	78	28262m	0.112	ppbv	
38) Trichloroethene	7.298	130	30361m	0.316	ppbv	
52) Tetrachloroethene	10.629	164	1588813	19.313	ppbv	96

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

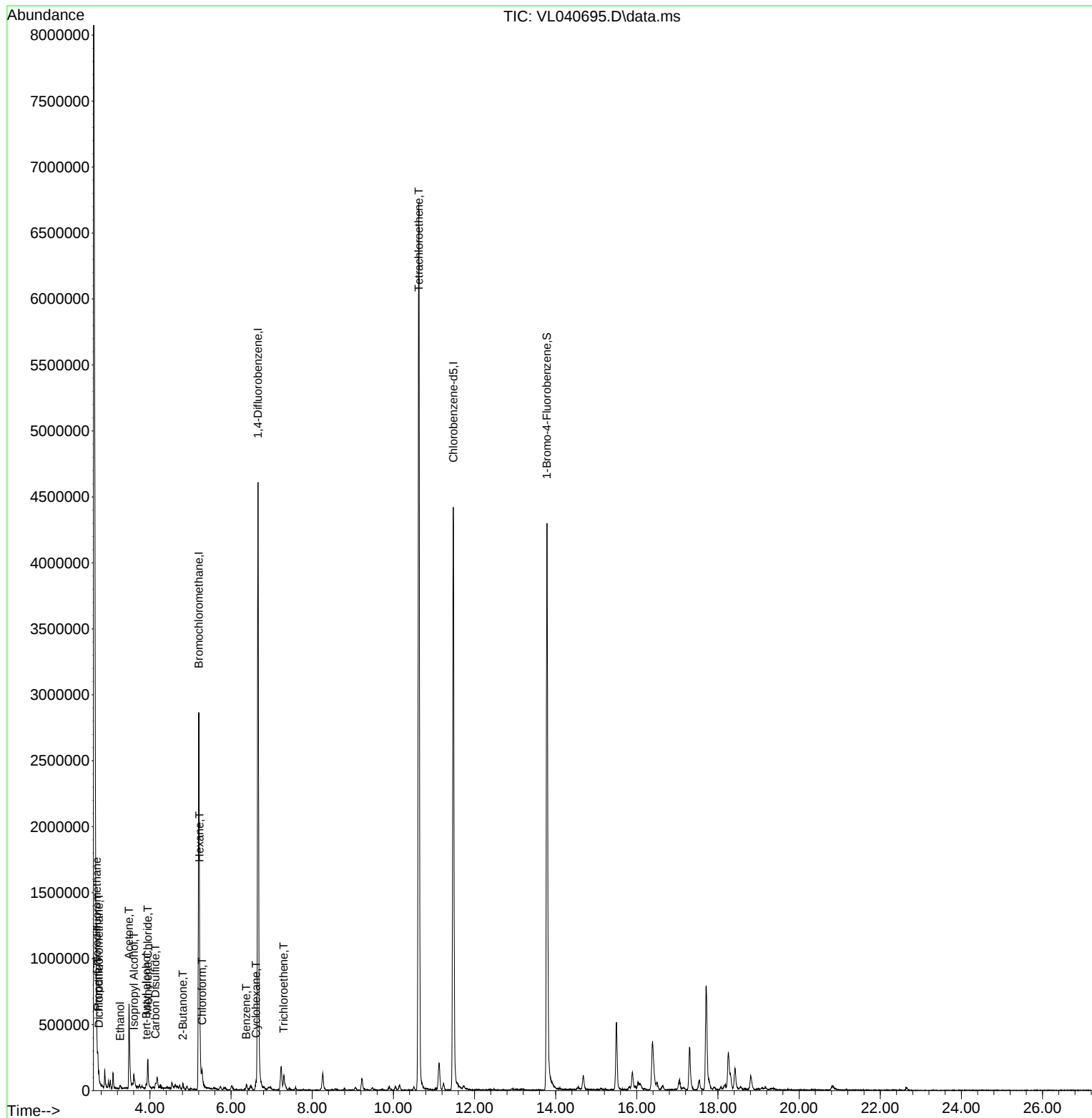
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL091823\
Data File : VL040695.D
Acq On : 18 Sep 2023 12:05
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Quant Time: Sep 19 05:17:13 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL091423AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug
QLast Update : Tue Sep 19 05:12:43 2023
Response via : Initial Calibration

Manual Integrations
APPROVED

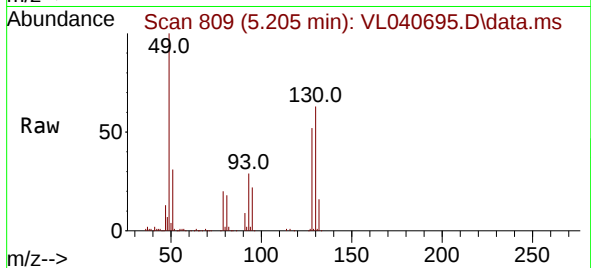
Reviewed By : Semsettin Yesilyurt 09/19/2023
Supervised By : Mahesh Dadoda 09/19/2023





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.205 min Scan# 80
Delta R.T. 0.007 min
Lab File: VL040695.D
Acq: 18 Sep 2023 12:05

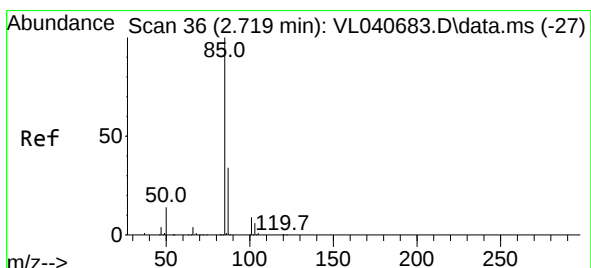
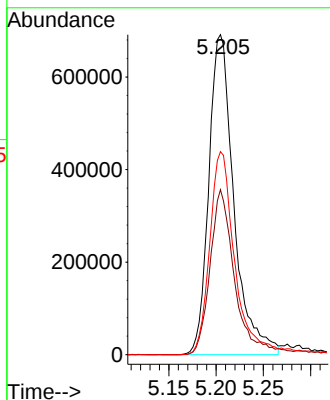
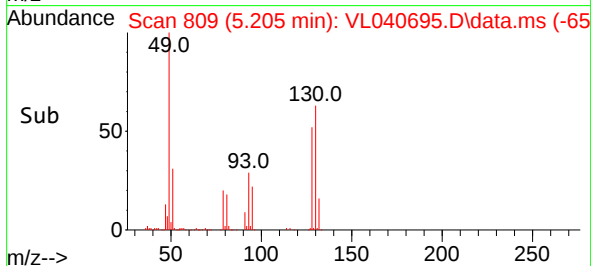
Instrument :
MSVOA_L
ClientSampleId :
SV1



Tgt Ion: 49 Resp: 127547
Ion Ratio Lower Upper
49 100
128 52.2 25.4 76.0
130 65.4 32.3 96.8

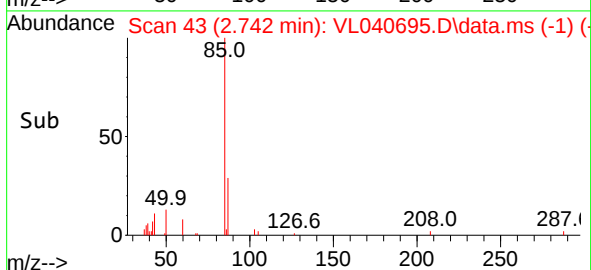
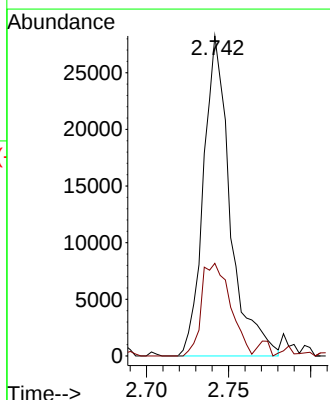
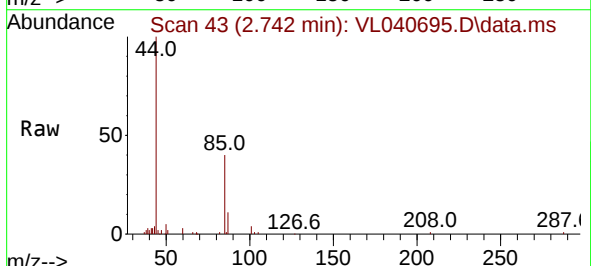
Manual Integrations
APPROVED

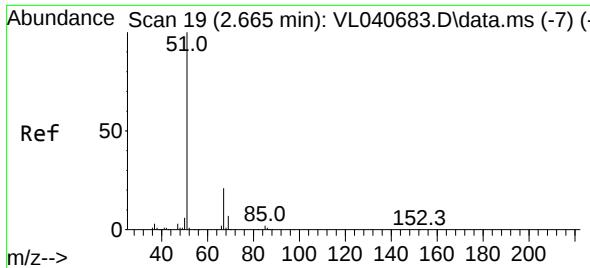
Reviewed By :Semsettin Yesilyurt 09/19/2023
Supervised By :Mahesh Dadoda 09/19/2023



#2
Dichlorodifluoromethane
Concen: 0.114 ppbv
RT: 2.742 min Scan# 43
Delta R.T. 0.010 min
Lab File: VL040695.D
Acq: 18 Sep 2023 12:05

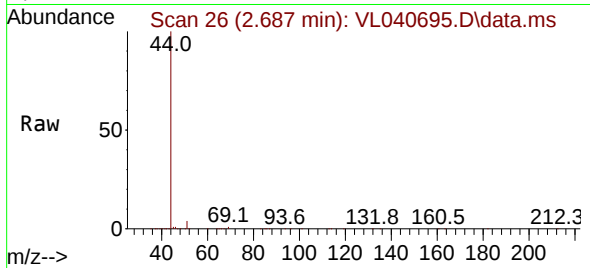
Tgt Ion: 85 Resp: 31940
Ion Ratio Lower Upper
85 100
87 28.9 27.2 40.8





#3
Chlorodifluoromethane
Concen: 0.109 ppbv m
RT: 2.687 min Scan# 20
Delta R.T. 0.010 min
Lab File: VL040695.D
Acq: 18 Sep 2023 12:05

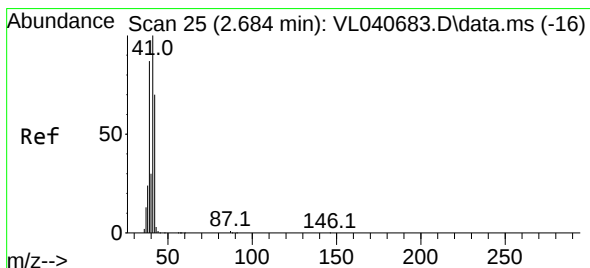
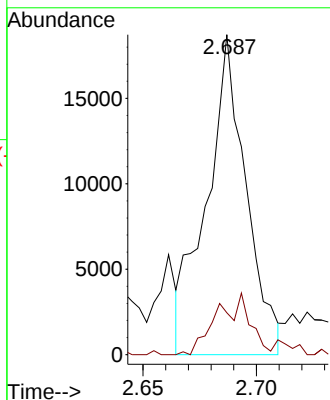
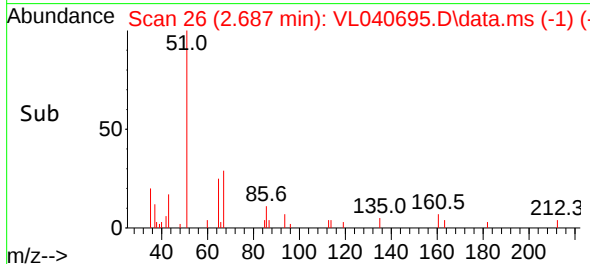
Instrument :
MSVOA_L
ClientSampleId :
SV1



Tgt Ion: 51 Resp: 2270
Ion Ratio Lower Upper
51 100
67 18.9 16.7 25.1

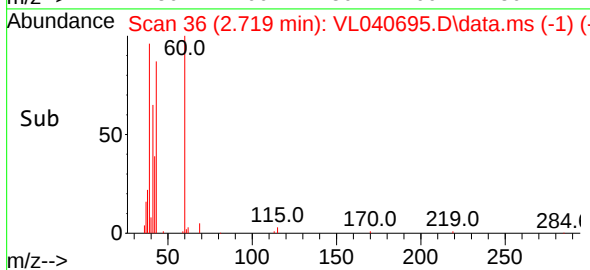
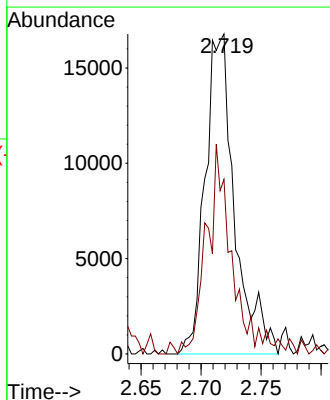
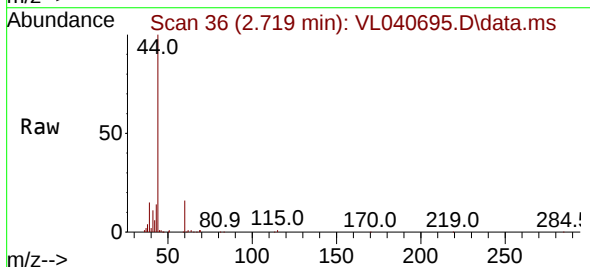
Manual Integrations
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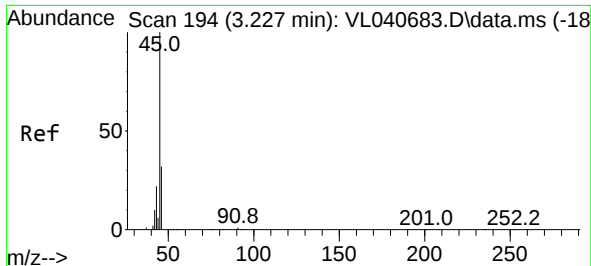
Reviewed By :Semsettin Yesilyurt 09/19/2023
Supervised By :Mahesh Dadoda 09/19/2023



#9
Propene
Concen: 0.479 ppbv m
RT: 2.719 min Scan# 36
Delta R.T. 0.022 min
Lab File: VL040695.D
Acq: 18 Sep 2023 12:05

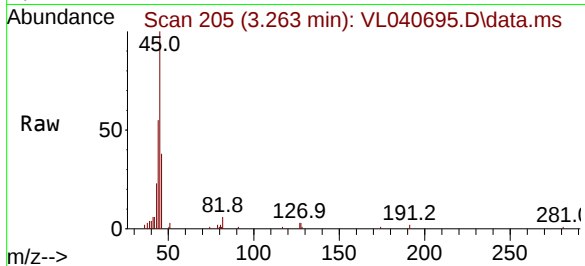
Tgt Ion: 41 Resp: 28648
Ion Ratio Lower Upper
41 100
42 57.7 56.7 85.1





#13
Ethanol
Concen: 1.676 ppbv m
RT: 3.263 min Scan# 205
Delta R.T. 0.019 min
Lab File: VL040695.D
Acq: 18 Sep 2023 12:05

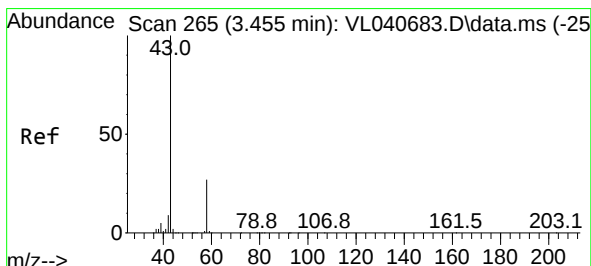
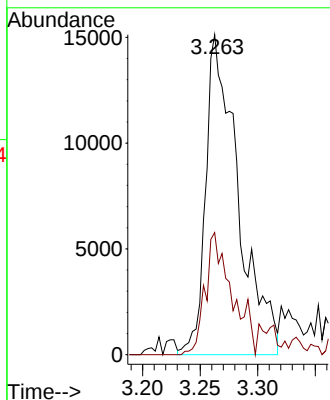
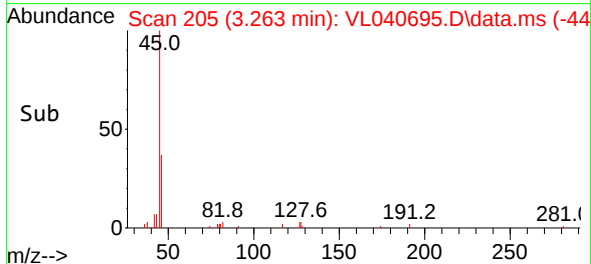
Instrument :
MSVOA_L
ClientSampleId :
SV1



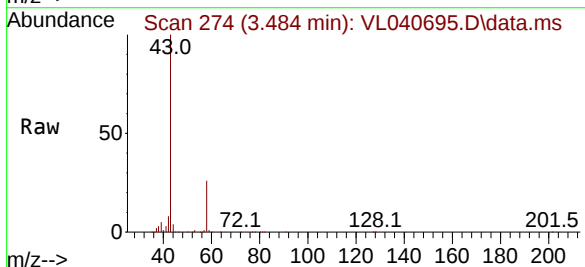
Tgt Ion: 45 Resp: 29689
Ion Ratio Lower Upper
45 100
46 36.4 15.2 61.0

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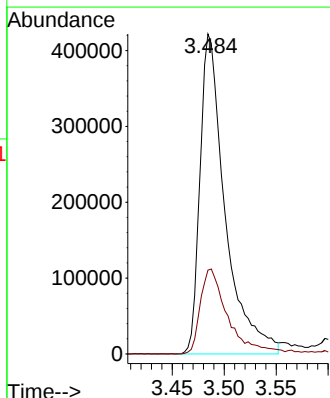
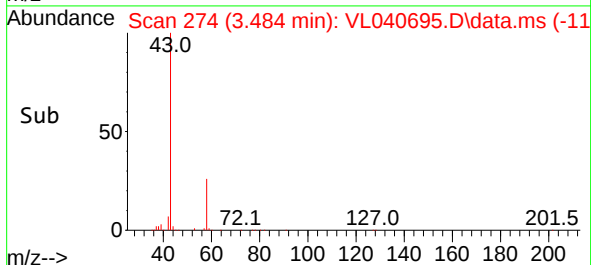
Reviewed By :Semsettin Yesilyurt 09/19/2023
Supervised By :Mahesh Dadoda 09/19/2023

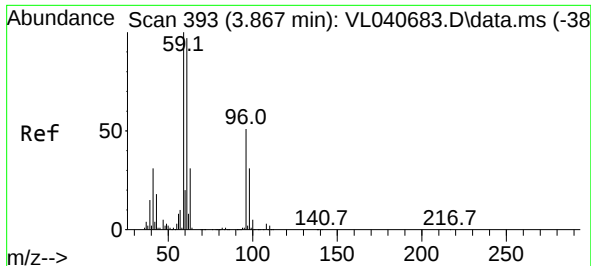


#15
Acetone
Concen: 4.223 ppbv
RT: 3.484 min Scan# 274
Delta R.T. 0.013 min
Lab File: VL040695.D
Acq: 18 Sep 2023 12:05



Tgt Ion: 43 Resp: 710477
Ion Ratio Lower Upper
43 100
58 31.2 22.6 34.0





#17

tert-Butyl alcohol

Concen: 0.150 ppbv m

RT: 3.912 min Scan# 407

Delta R.T. 0.029 min

Lab File: VL040695.D

Acq: 18 Sep 2023 12:05

Instrument :

MSVOA_L

ClientSampleId :

SV1

Tgt Ion: 59 Resp: 2585

Ion Ratio Lower Upper

59 100

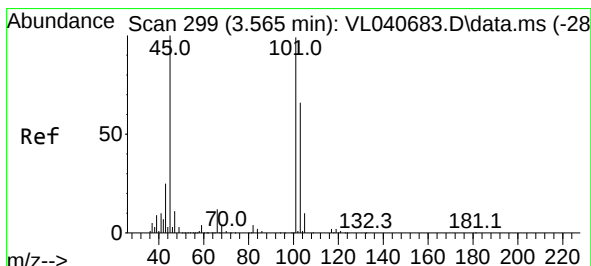
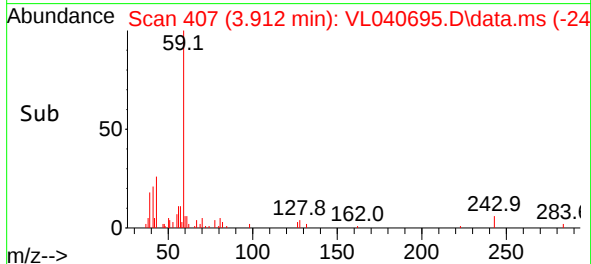
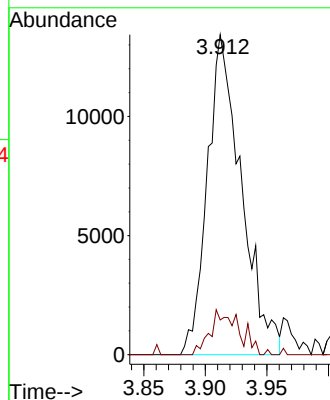
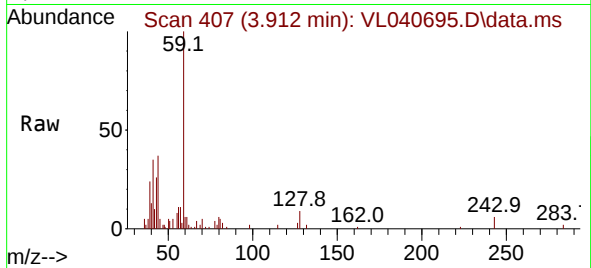
57 11.9 8.7 13.1

Manual Integrations

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#19

Isopropyl Alcohol

Concen: 1.006 ppbv

RT: 3.603 min Scan# 311

Delta R.T. 0.026 min

Lab File: VL040695.D

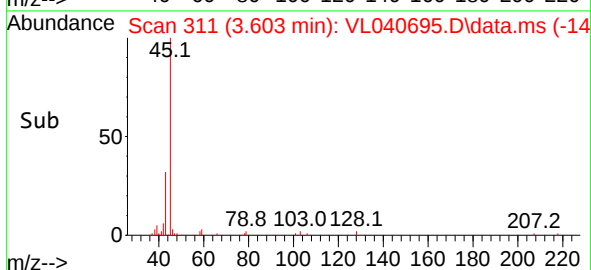
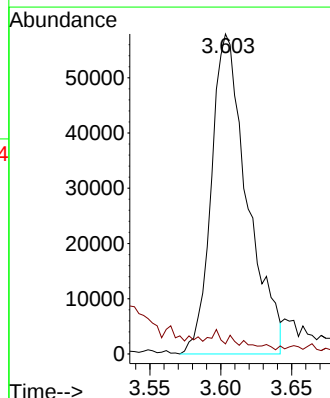
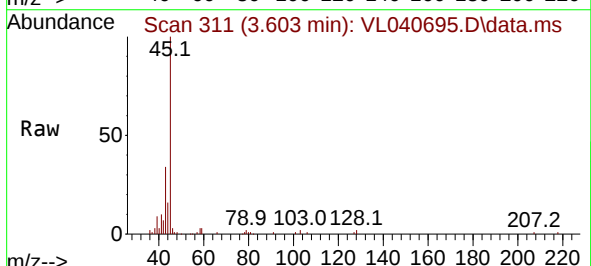
Acq: 18 Sep 2023 12:05

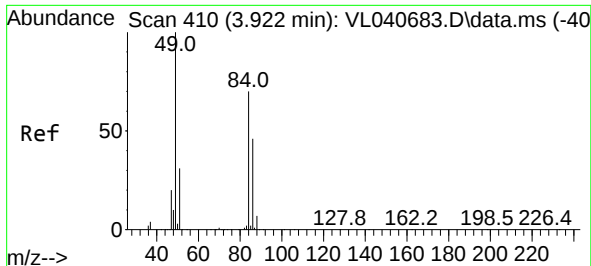
Tgt Ion: 45 Resp: 101973

Ion Ratio Lower Upper

45 100

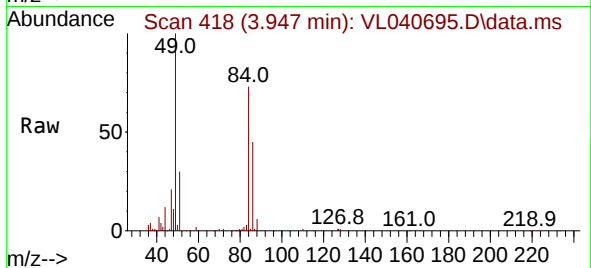
58 0.0 1.9 2.9#





#20
Methylene Chloride
Concen: 0.811 ppbv
RT: 3.947 min Scan# 410
Delta R.T. 0.010 min
Lab File: VL040695.D
Acq: 18 Sep 2023 12:05

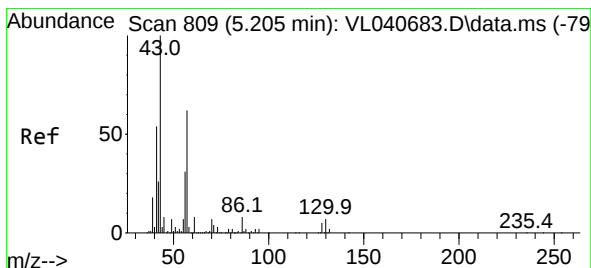
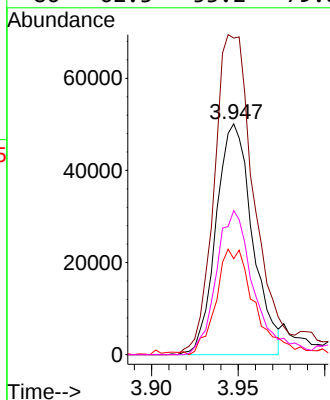
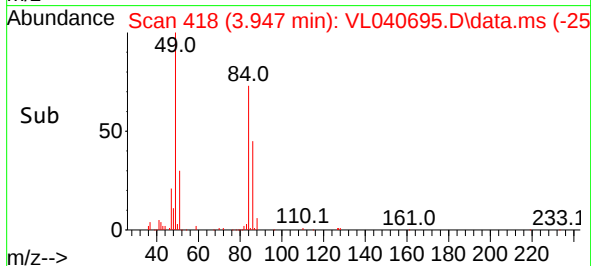
Instrument :
MSVOA_L
ClientSampleId :
SV1



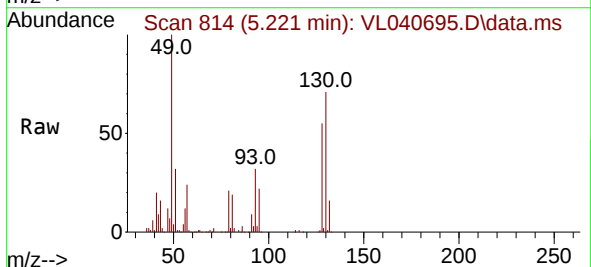
Tgt Ion: 84	Resp: 7343
Ion Ratio	Lower Upper
84 100	
49 137.1	114.4 171.6
51 40.6	35.5 53.3
86 62.3	53.2 79.8

Manual Integrations
APPROVED

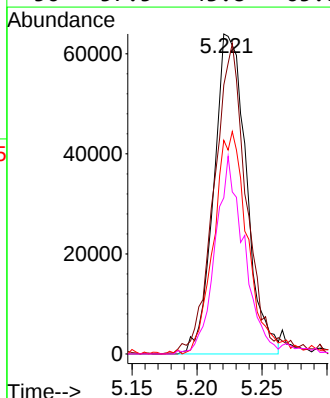
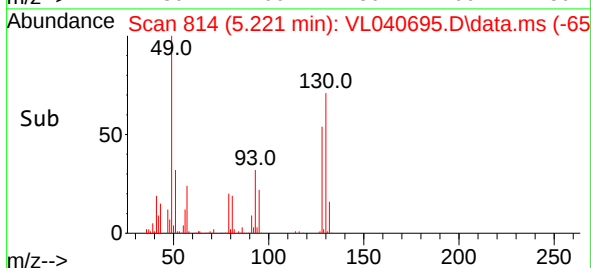
Reviewed By :Semsettin Yesilyurt 09/19/2023
Supervised By :Mahesh Dadoda 09/19/2023

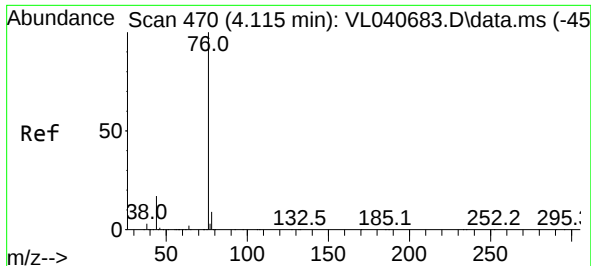


#26
Hexane
Concen: 0.867 ppbv
RT: 5.221 min Scan# 814
Delta R.T. -0.000 min
Lab File: VL040695.D
Acq: 18 Sep 2023 12:05



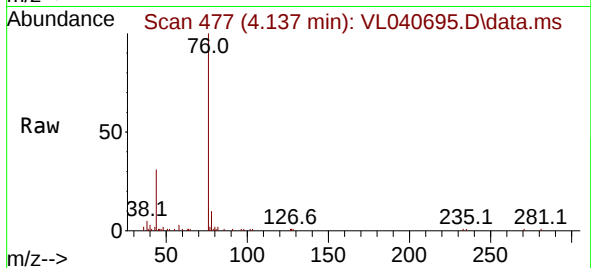
Tgt	Ion: 57	Resp:	111295
Ion	Ratio	Lower	Upper
57	100		
41	99.4	75.2	112.8
43	73.6	185.6	278.4#
56	57.5	43.8	65.8





#27
Carbon Disulfide
Concen: 0.273 ppbv
RT: 4.137 min Scan# 41
Delta R.T. 0.006 min
Lab File: VL040695.D
Acq: 18 Sep 2023 12:05

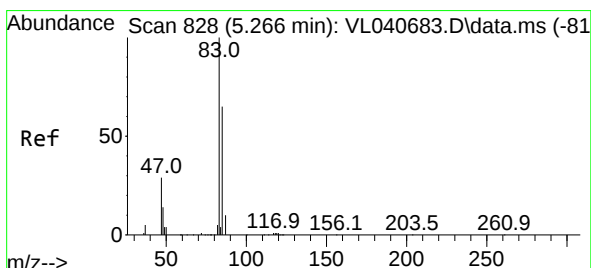
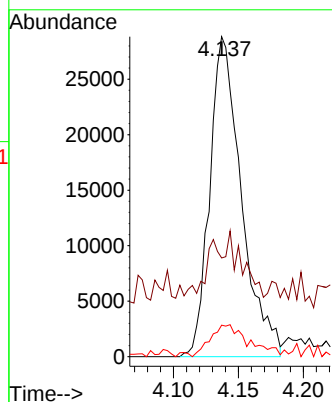
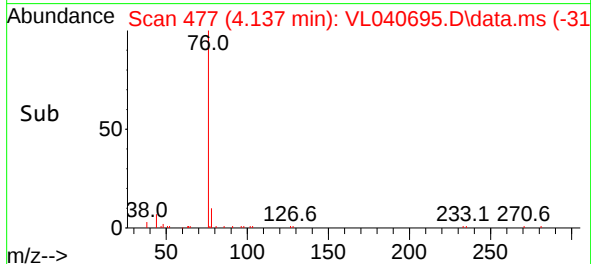
Instrument :
MSVOA_L
ClientSampleId :
SV1



Tgt Ion: 76 Resp: 4891
Ion Ratio Lower Upper
76 100
44 36.9 14.5 21.7
78 13.6 7.7 11.5

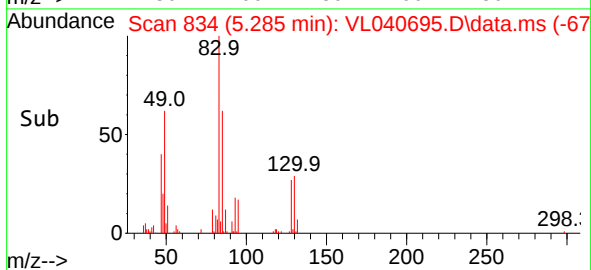
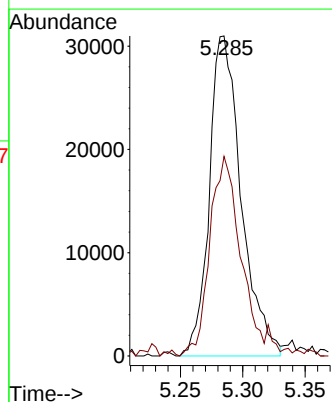
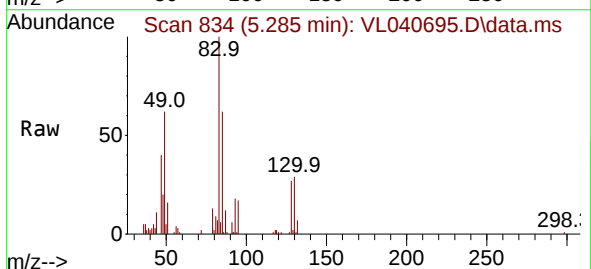
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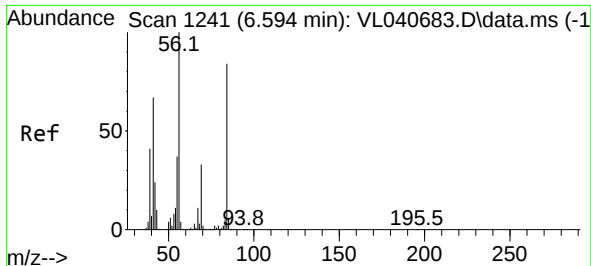
Reviewed By :Semsettin Yesilyurt 09/19/2023
Supervised By :Mahesh Dadoda 09/19/2023



#29
Chloroform
Concen: 0.249 ppbv
RT: 5.285 min Scan# 834
Delta R.T. 0.003 min
Lab File: VL040695.D
Acq: 18 Sep 2023 12:05

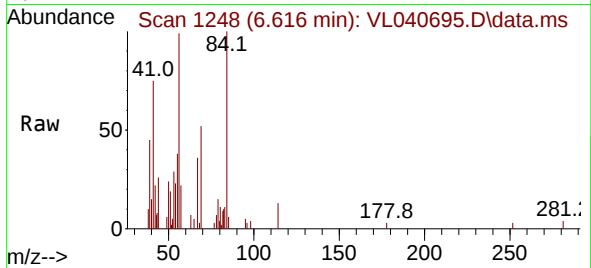
Tgt Ion: 83 Resp: 55226
Ion Ratio Lower Upper
83 100
85 62.3 51.8 77.8





#30
Cyclohexane
Concen: 0.148 ppbv m
RT: 6.616 min Scan# 1248
Delta R.T. 0.006 min
Lab File: VL040695.D
Acq: 18 Sep 2023 12:05

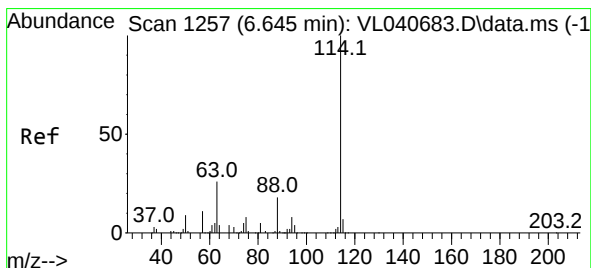
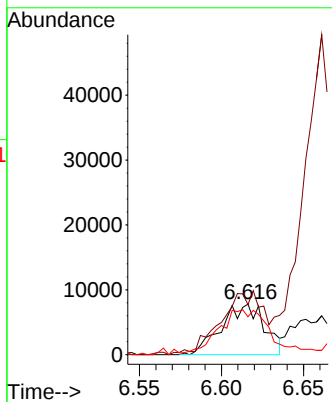
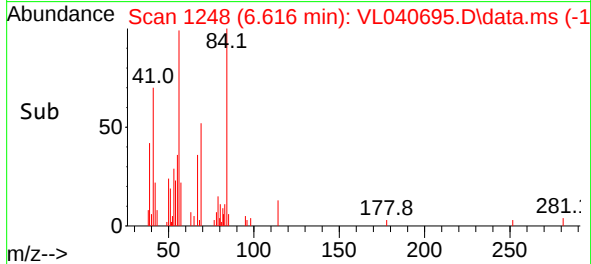
Instrument :
MSVOA_L
ClientSampleId :
SV1



Tgt Ion: 84 Resp: 14269
Ion Ratio Lower Upper
84 100
56 123.9 103.2 154.8
41 0.0 65.5 98.3

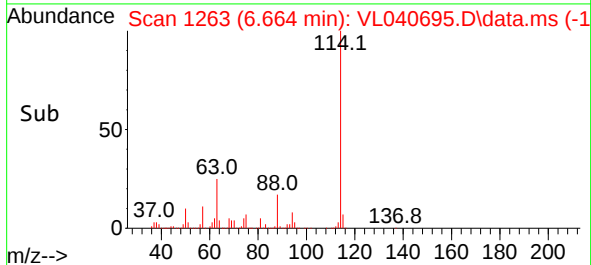
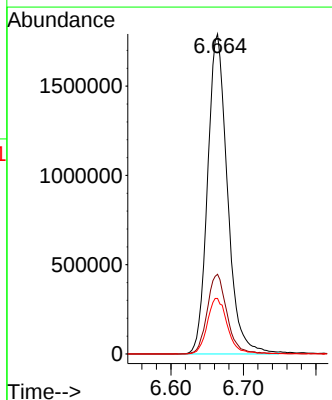
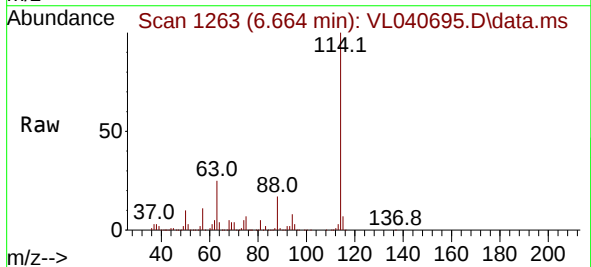
Manual Integrations
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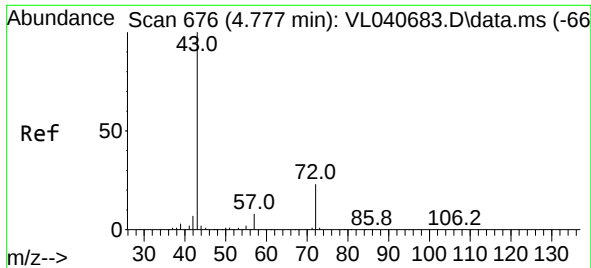
Reviewed By :Semsettin Yesilyurt 09/19/2023
Supervised By :Mahesh Dadoda 09/19/2023



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 6.664 min Scan# 1263
Delta R.T. 0.003 min
Lab File: VL040695.D
Acq: 18 Sep 2023 12:05

Tgt Ion:114 Resp: 3405784
Ion Ratio Lower Upper
114 100
63 25.2 21.1 31.7
88 17.8 14.5 21.7





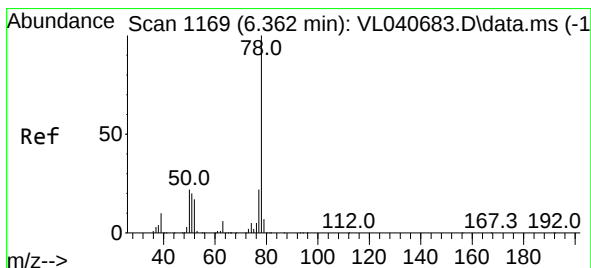
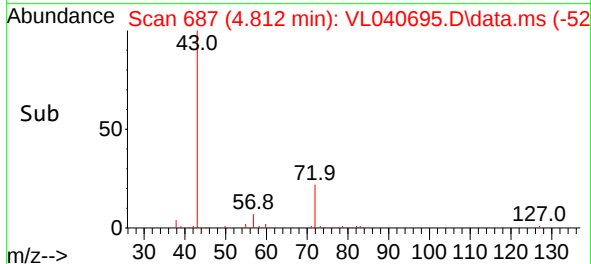
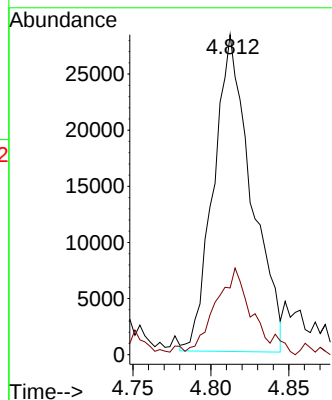
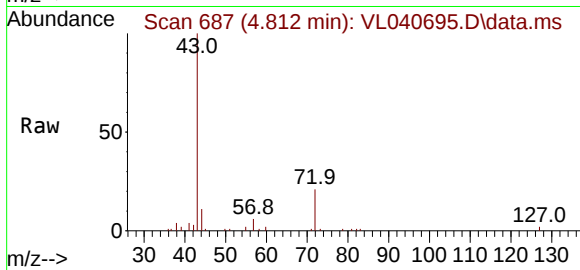
#34
2-Butanone
Concen: 0.279 ppbv
RT: 4.812 min Scan# 61
Delta R.T. 0.022 min
Lab File: VL040695.D
Acq: 18 Sep 2023 12:05

Instrument :
MSVOA_L
ClientSampleId :
SV1

Tgt Ion: 43 Resp: 4782
Ion Ratio Lower Upper
43 100
72 29.1 18.6 27.8

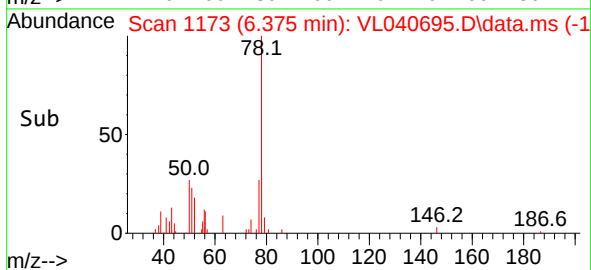
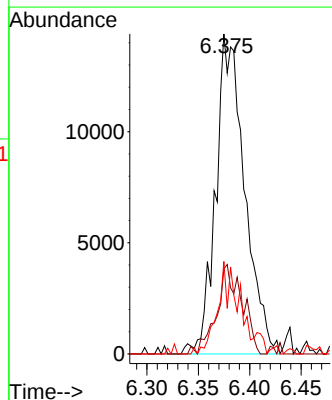
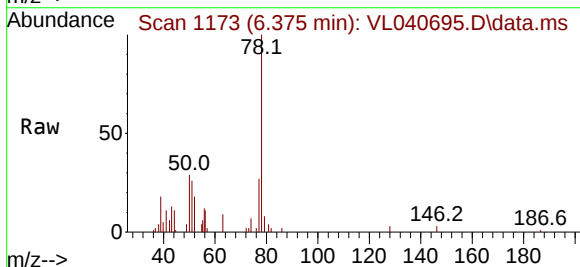
Manual Integrations
APPROVED

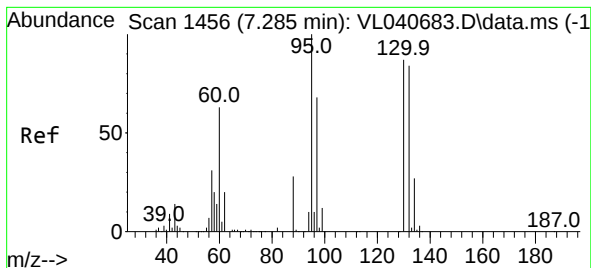
Reviewed By :Semsettin Yesilyurt 09/19/2023
Supervised By :Mahesh Dadoda 09/19/2023



#36
Benzene
Concen: 0.112 ppbv m
RT: 6.375 min Scan# 1173
Delta R.T. -0.006 min
Lab File: VL040695.D
Acq: 18 Sep 2023 12:05

Tgt Ion: 78 Resp: 28262
Ion Ratio Lower Upper
78 100
77 26.6 17.9 26.9
50 28.9 17.3 25.9





#38

Trichloroethene

Concen: 0.316 ppbv m

RT: 7.298 min Scan# 1456

Delta R.T. -0.003 min

Lab File: VL040695.D

Acq: 18 Sep 2023 12:05

Instrument :

MSVOA_L

ClientSampleId :

SV1

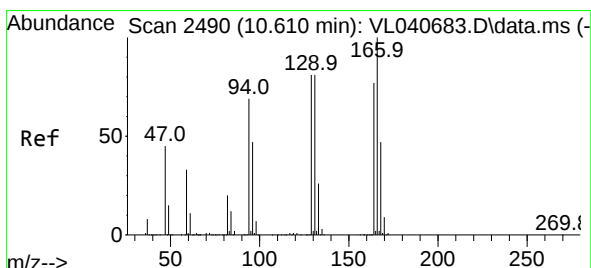
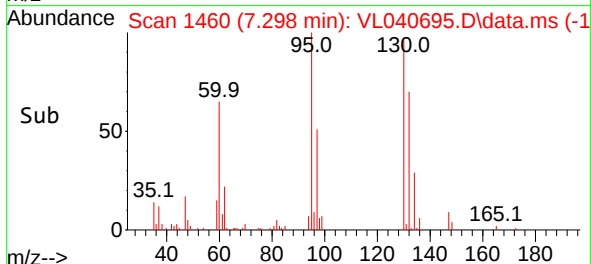
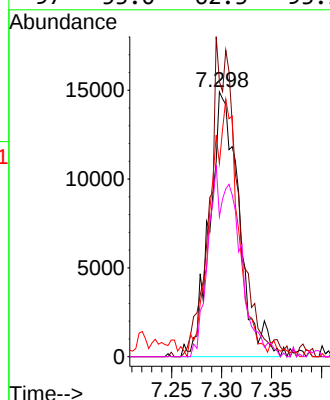
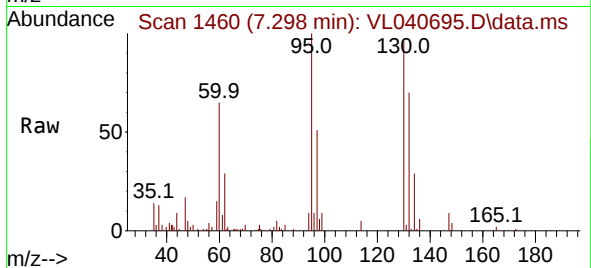
Tgt Ion:130	Resp:	3036
Ion Ratio	Lower	Upper
130	100	
95	103.9	91.9 137.9
132	73.0	77.3 115.9
97	53.0	62.3 93.5

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 09/19/2023

Supervised By :Mahesh Dadoda 09/19/2023



#52

Tetrachloroethene

Concen: 19.313 ppbv

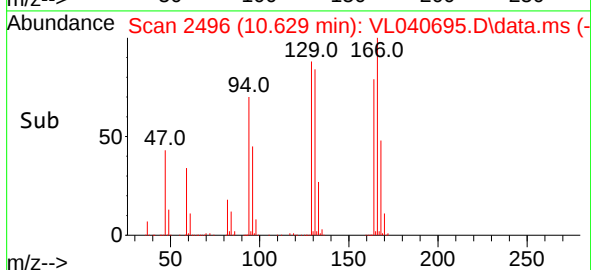
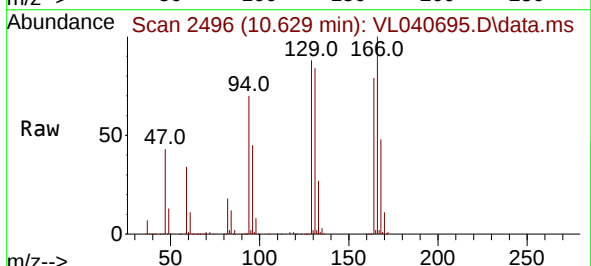
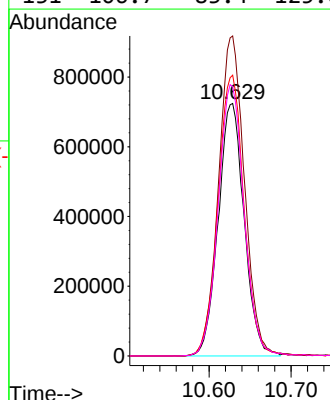
RT: 10.629 min Scan# 2496

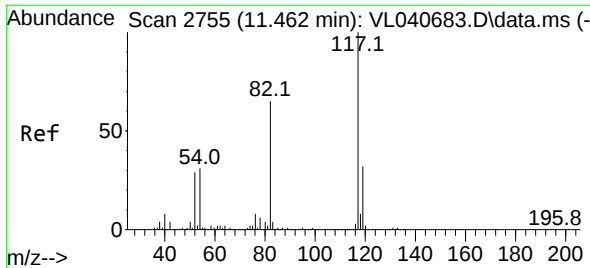
Delta R.T. 0.003 min

Lab File: VL040695.D

Acq: 18 Sep 2023 12:05

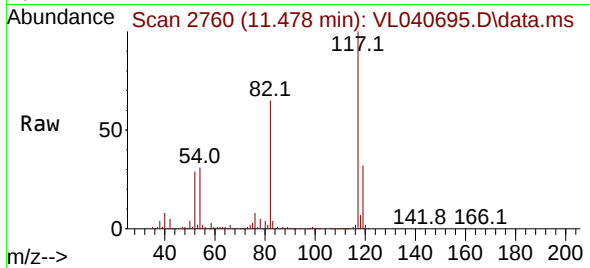
Tgt Ion:164	Resp:	1588813
Ion Ratio	Lower	Upper
164	100	
166	126.7	103.4 155.2
129	111.2	83.5 125.3
131	106.7	83.4 125.0





#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.478 min Scan# 2114
Delta R.T. -0.000 min
Lab File: VL040695.D
Acq: 18 Sep 2023 12:05

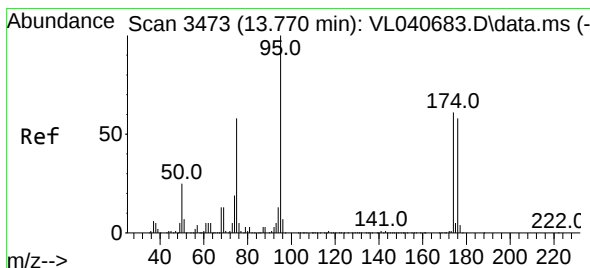
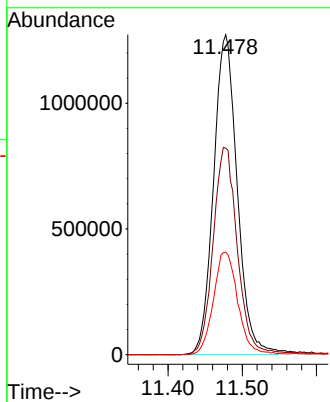
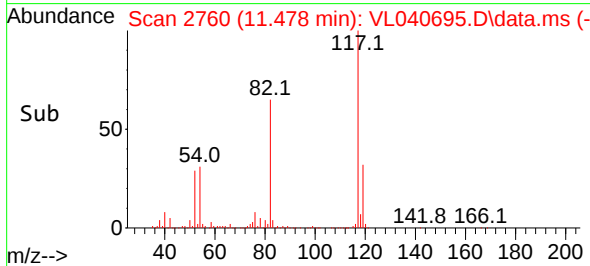
Instrument :
MSVOA_L
ClientSampleId :
SV1



Tgt Ion: 117 Resp: 2822114
Ion Ratio Lower Upper
117 100
82 67.0 51.4 77.0
119 33.0 24.7 37.1

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 09/19/2023
Supervised By :Mahesh Dadoda 09/19/2023



#68
1-Bromo-4-Fluorobenzene
Concen: 9.701 ppbv
RT: 13.786 min Scan# 3478
Delta R.T. -0.000 min
Lab File: VL040695.D
Acq: 18 Sep 2023 12:05

Tgt Ion: 95 Resp: 2115257
Ion Ratio Lower Upper
95 100
174 62.6 48.9 73.3
175 4.4 3.5 5.3

