

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL121824\
 Data File : VL041815.D
 Acq On : 19 Dec 2024 02:59
 Operator : SY/MD
 Sample : P5295-02
 Misc : 400mL/MSVOA_L
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 C0AC9

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 12/23/2024
 Supervised By :Mahesh Dadoda 12/23/2024

Quant Time: Dec 19 11:02:07 2024

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL121624AIR.M

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

QLast Update : Tue Dec 17 04:02:07 2024

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.793	49	74852	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.971	114	179512	10.000	ppbv	0.02
55) Chlorobenzene-d5	8.894	117	179898	10.000	ppbv	0.02
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.386	95	147798	9.859	ppbv	0.01
Spiked Amount	10.000	Range	65 - 135	Recovery	=	98.600%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.499	85	5577	0.419	ppbv	96
4) Chloromethane	1.534	50	1511	0.290	ppbv	91
9) Propene	1.489	41	3162	0.598	ppbv	85
13) Ethanol	1.725	45	21379	48.600	ppbv	95
15) Acetone	1.838	43	56205	3.859	ppbv	97
17) tert-Butyl alcohol	2.049	59	2850	0.197	ppbv	98
19) Isopropyl Alcohol	1.890	45	17919	2.050	ppbv #	39
20) Methylene Chloride	2.065	84	5172	1.245	ppbv	95
23) Vinyl Acetate	2.457	43	9315	1.472	ppbv #	95
26) Hexane	2.835	57	2807	0.273	ppbv #	72
29) Chloroform	2.855	83	359474	22.942	ppbv	98
30) Cyclohexane	3.865	84	919m	0.105	ppbv	
32) 1,1,1-Trichloroethane	3.376	97	3148m	0.202	ppbv	
34) 2-Butanone	2.567	43	9372	0.649	ppbv	99
35) Carbon Tetrachloride	3.774	117	18537	1.455	ppbv	100
36) Benzene	3.664	78	2199m	0.118	ppbv	
52) Tetrachloroethene	8.237	164	3337	0.483	ppbv	93
53) Toluene	6.952	91	37782	1.795	ppbv	98
57) Chlorobenzene	8.930	112	2128	0.116	ppbv #	69
58) Ethyl Benzene	9.364	91	10278	0.317	ppbv	96
59) m/p-Xylene	9.545	91	33305	1.279	ppbv #	100
60) o-Xylene	9.972	91	13916	0.533	ppbv	99
61) Styrene	9.882	104	3795	0.336	ppbv	97
74) 1,2,4-Trimethylbenzene	11.545	105	4532	0.165	ppbv #	57

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

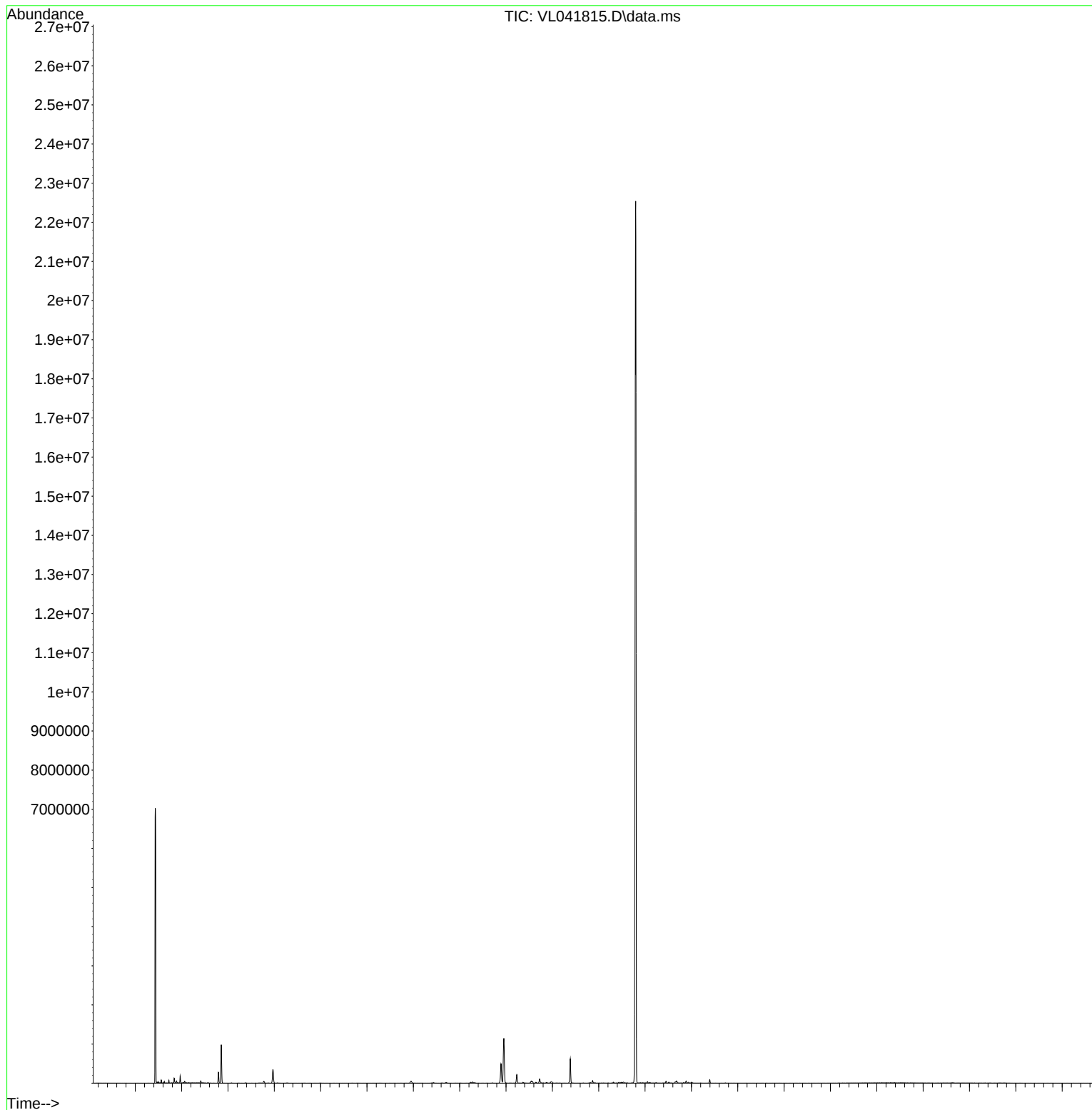
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL121824\
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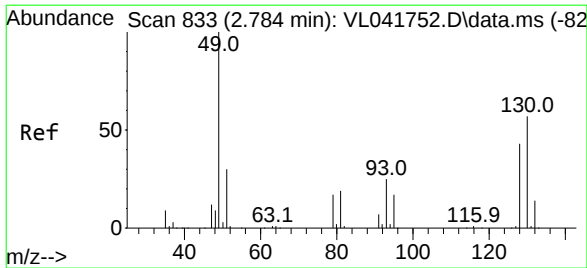
Instrument :
MSVOA_L
ClientSampleId :
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Quant Time: Dec 19 11:02:07 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL121624AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug
QLast Update : Tue Dec 17 04:02:07 2024
Response via : Initial Calibration

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Supervised By : Mahesh Dadoda 12/23/2024





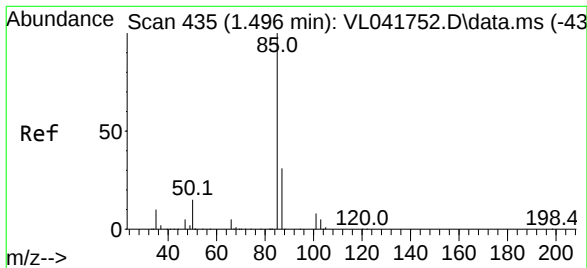
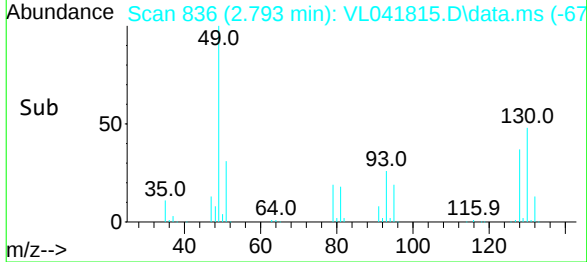
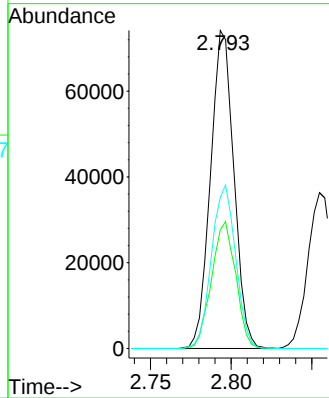
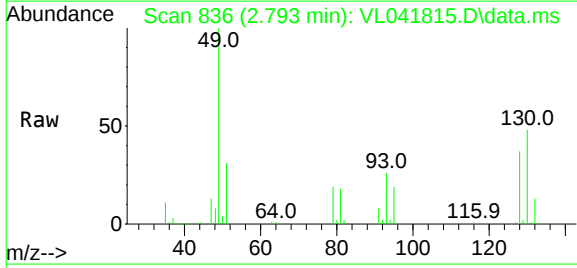
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.793 min Scan# 833
Delta R.T. 0.009 min
Lab File: VL041815.D
Acq: 19 Dec 2024 02:59

Instrument :
MSVOA_L
ClientSampleId :
C0AC9

Tgt Ion	Ratio	Lower	Upper
49	100		
128	41.2	21.6	64.6
130	53.0	28.3	85.0

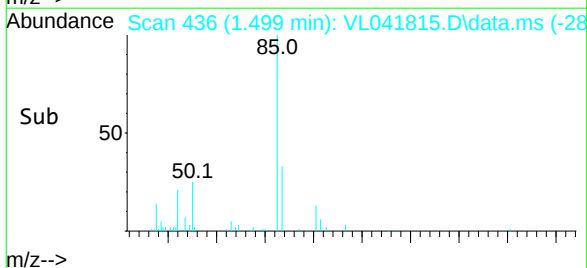
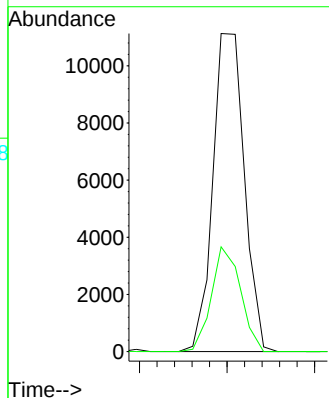
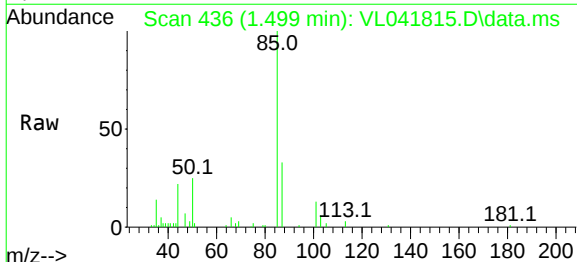
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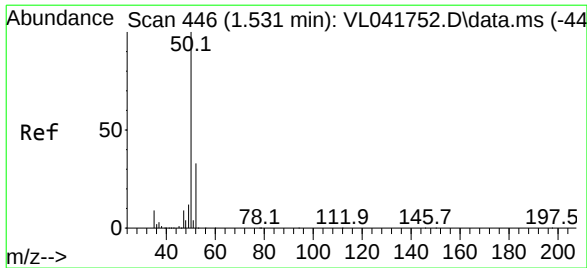
Reviewed By :Semsettin Yesilyurt 12/23/2024
Supervised By :Mahesh Dadoda 12/23/2024



#2
Dichlorodifluoromethane
Concen: 0.419 ppbv
RT: 1.499 min Scan# 436
Delta R.T. 0.003 min
Lab File: VL041815.D
Acq: 19 Dec 2024 02:59

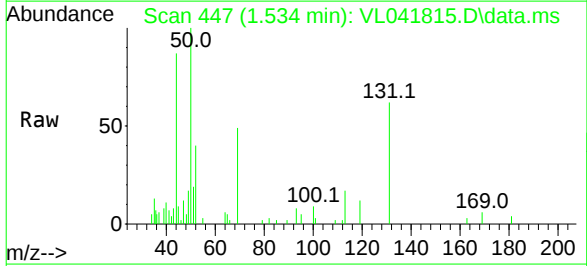
Tgt Ion	Ratio	Lower	Upper
85	100		
87	32.9	24.5	36.7





#4
Chloromethane
Concen: 0.290 ppbv
RT: 1.534 min Scan# 446
Delta R.T. 0.003 min
Lab File: VL041815.D
Acq: 19 Dec 2024 02:59

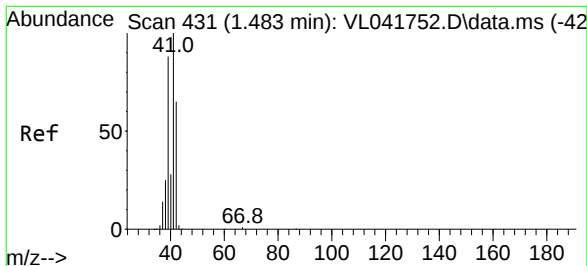
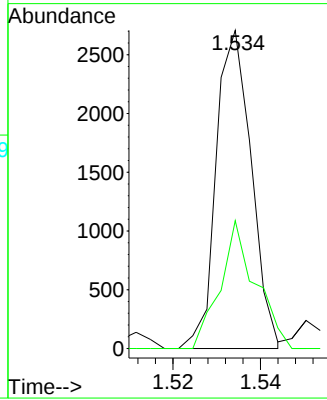
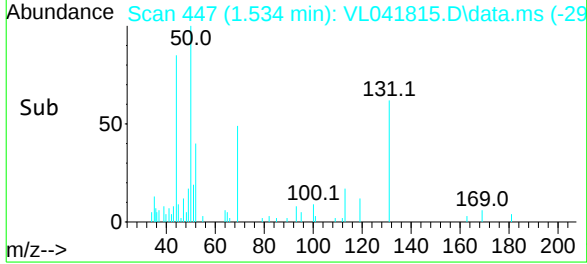
Instrument :
MSVOA_L
ClientSampleId :
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Tgt Ion: 50 Resp: 1511
Ion Ratio Lower Upper
50 100
52 37.5 26.2 39.2

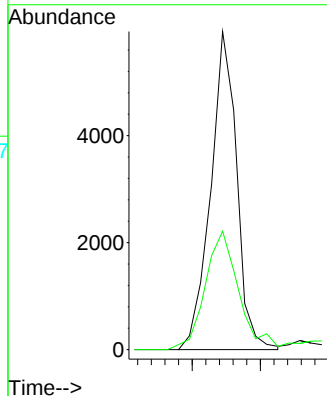
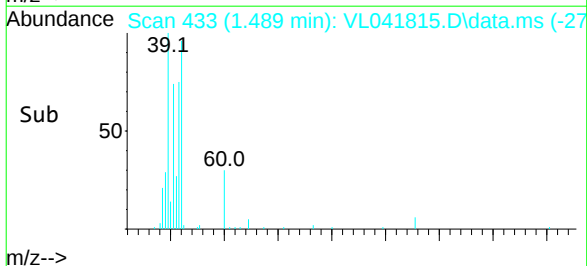
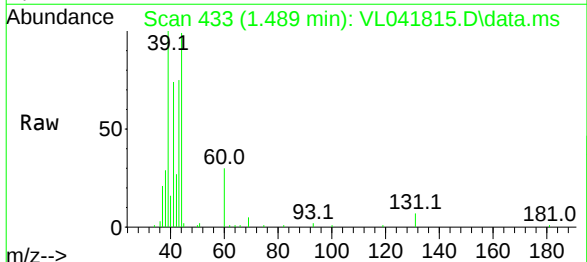
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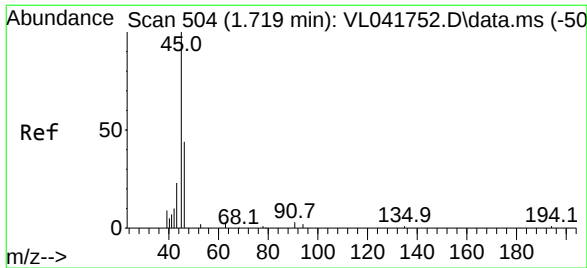
Reviewed By :Semsettin Yesilyurt 12/23/2024
Supervised By :Mahesh Dadoda 12/23/2024



#9
Propene
Concen: 0.598 ppbv
RT: 1.489 min Scan# 433
Delta R.T. 0.006 min
Lab File: VL041815.D
Acq: 19 Dec 2024 02:59

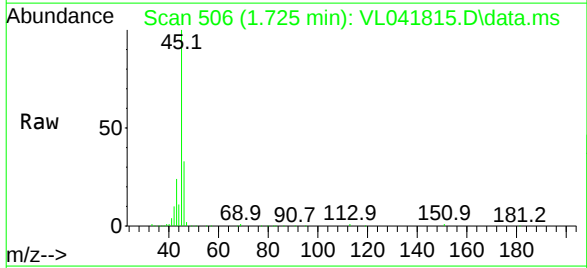
Tgt Ion: 41 Resp: 3162
Ion Ratio Lower Upper
41 100
42 53.4 52.4 78.6





#13
Ethanol
Concen: 48.600 ppbv
RT: 1.725 min Scan# 50
Delta R.T. 0.006 min
Lab File: VL041815.D
Acq: 19 Dec 2024 02:59

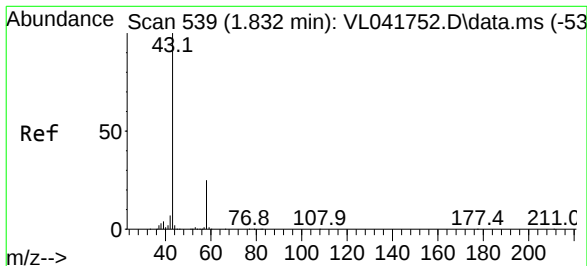
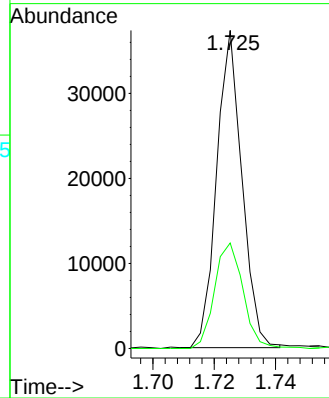
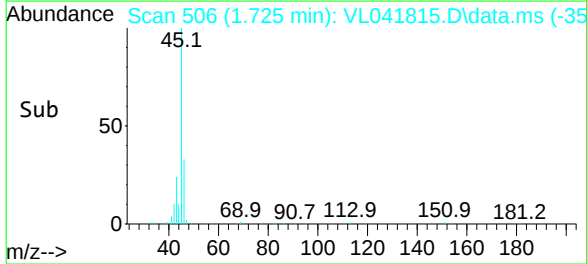
Instrument :
MSVOA_L
ClientSampleId :
C0AC9



Tgt Ion: 45 Resp: 21379
Ion Ratio Lower Upper
45 100
46 38.0 16.4 65.8

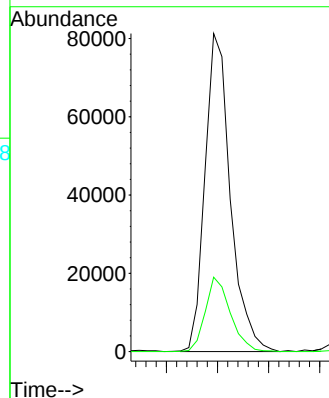
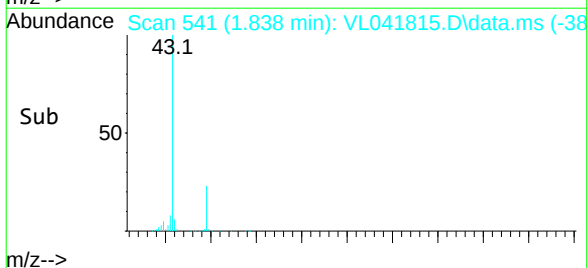
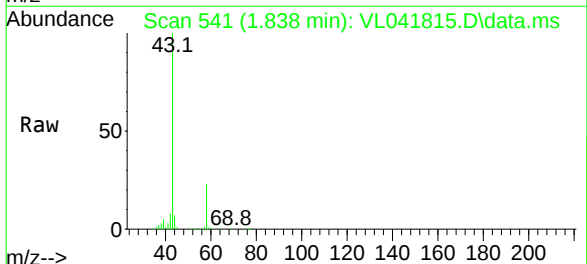
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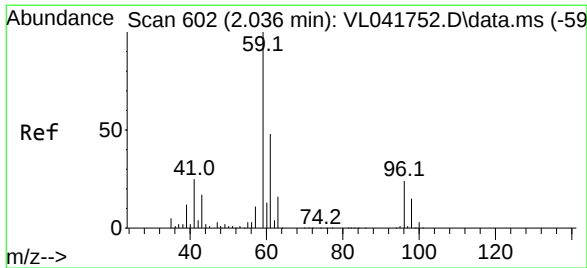
Reviewed By :Semsettin Yesilyurt 12/23/2024
Supervised By :Mahesh Dadoda 12/23/2024



#15
Acetone
Concen: 3.859 ppbv
RT: 1.838 min Scan# 541
Delta R.T. 0.006 min
Lab File: VL041815.D
Acq: 19 Dec 2024 02:59

Tgt Ion: 43 Resp: 56205
Ion Ratio Lower Upper
43 100
58 23.1 19.7 29.5





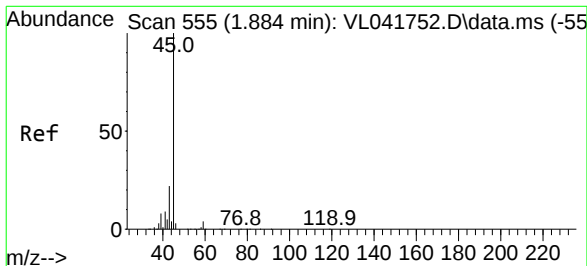
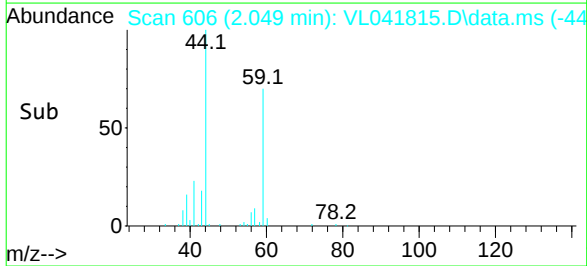
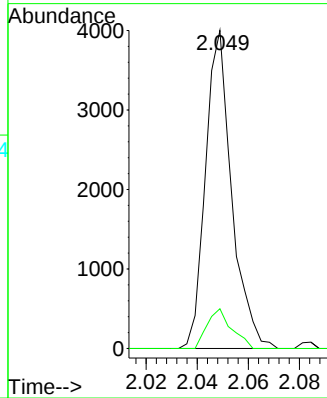
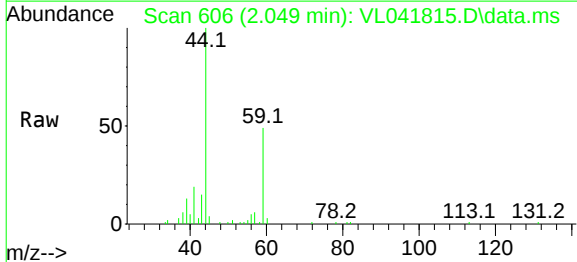
#17
tert-Butyl alcohol
Concen: 0.197 ppbv
RT: 2.049 min Scan# 602
Delta R.T. 0.012 min
Lab File: VL041815.D
Acq: 19 Dec 2024 02:59

Instrument :
MSVOA_L
ClientSampleId :
C0AC9

Tgt Ion: 59 Resp: 2850
Ion Ratio Lower Upper
59 100
57 11.6 8.6 13.0

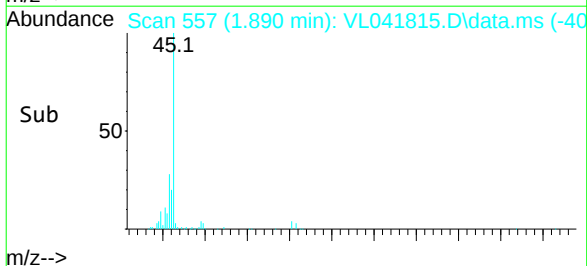
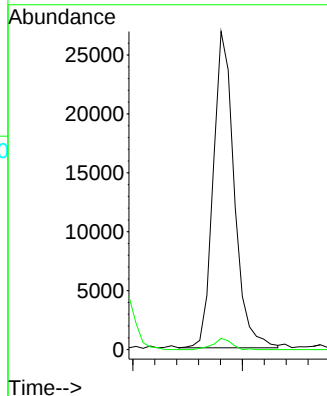
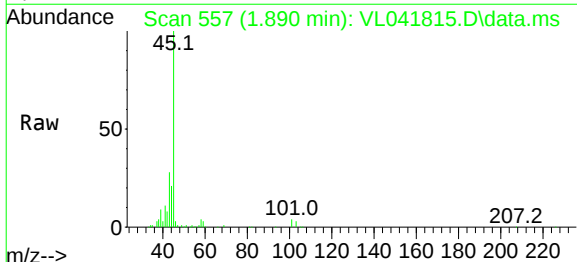
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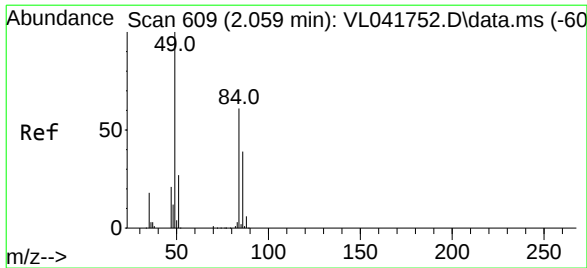
Reviewed By :Semsettin Yesilyurt 12/23/2024
Supervised By :Mahesh Dadoda 12/23/2024



#19
Isopropyl Alcohol
Concen: 2.050 ppbv
RT: 1.890 min Scan# 557
Delta R.T. 0.006 min
Lab File: VL041815.D
Acq: 19 Dec 2024 02:59

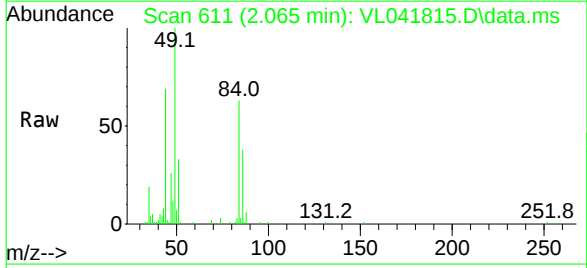
Tgt Ion: 45 Resp: 17919
Ion Ratio Lower Upper
45 100
58 3.1 33.3 49.9#





#20
Methylene Chloride
Concen: 1.245 ppbv
RT: 2.065 min Scan# 611
Delta R.T. 0.006 min
Lab File: VL041815.D
Acq: 19 Dec 2024 02:59

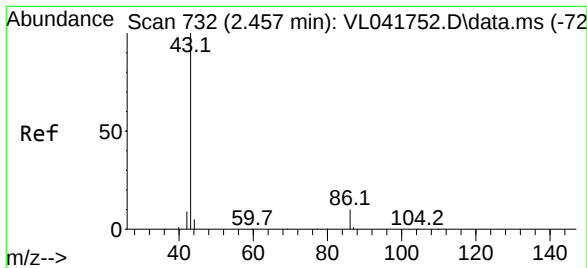
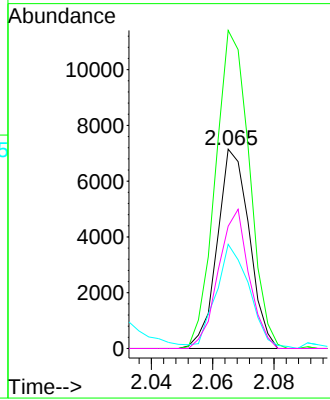
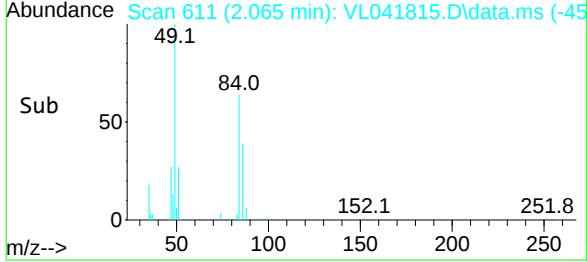
Instrument :
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ClientSampleId :
C0AC9



Tgt Ion:	84	Resp:	5172
Ion	Ratio	Lower	Upper
84	100		
49	159.5	132.6	198.8
51	50.7	37.6	56.4
86	61.3	51.4	77.0

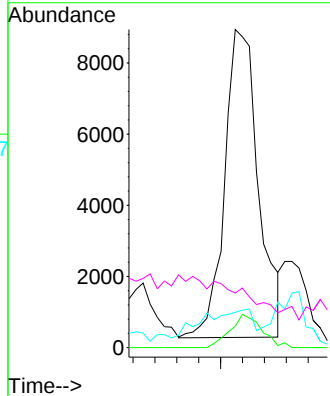
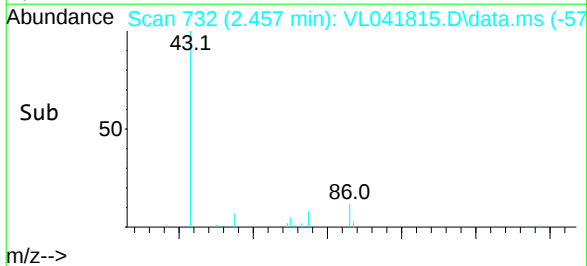
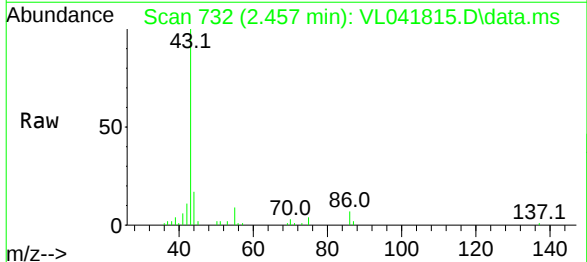
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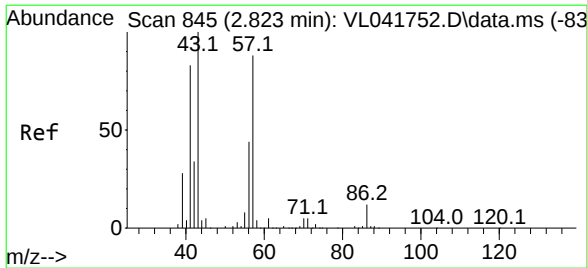
Reviewed By :Semsettin Yesilyurt 12/23/2024
Supervised By :Mahesh Dadoda 12/23/2024



#23
Vinyl Acetate
Concen: 1.472 ppbv
RT: 2.457 min Scan# 732
Delta R.T. -0.000 min
Lab File: VL041815.D
Acq: 19 Dec 2024 02:59

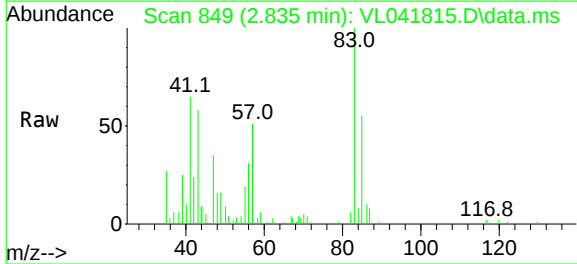
Tgt Ion:	43	Resp:	9315
Ion	Ratio	Lower	Upper
43	100		
86	7.0	6.6	10.0
42	7.4	8.2	12.2
44	6.4	5.0	7.4





#26
Hexane
Concen: 0.273 ppbv
RT: 2.835 min Scan# 845
Delta R.T. 0.012 min
Lab File: VL041815.D
Acq: 19 Dec 2024 02:59

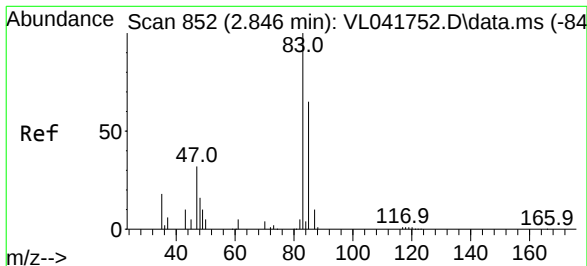
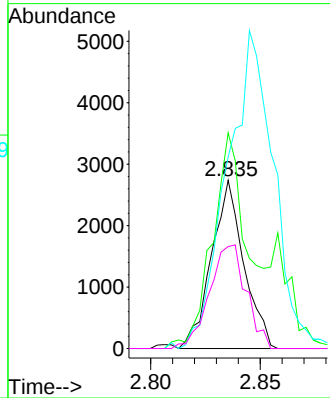
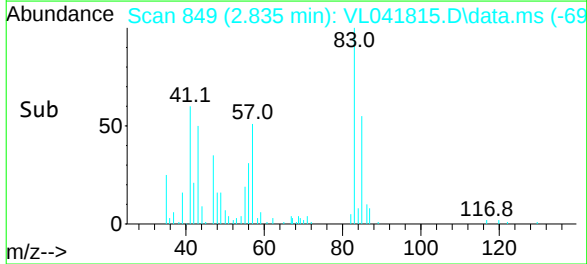
Instrument :
MSVOA_L
ClientSampleId :
C0AC9



Tgt Ion: 57 Resp: 2807
Ion Ratio Lower Upper
57 100
41 185.0 79.6 119.4#
43 276.3 211.0 316.6
56 69.9 42.6 63.8#

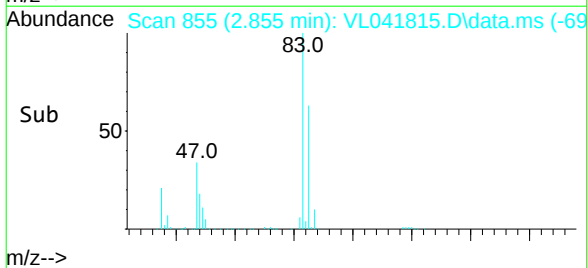
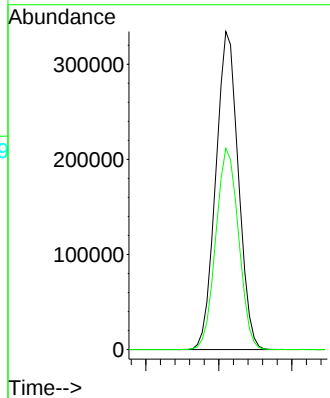
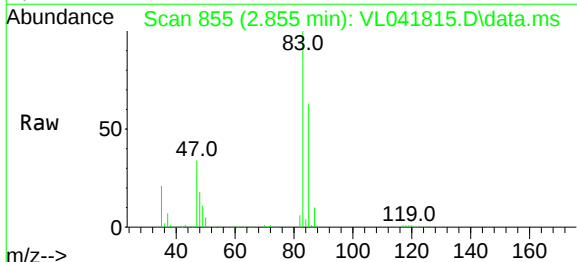
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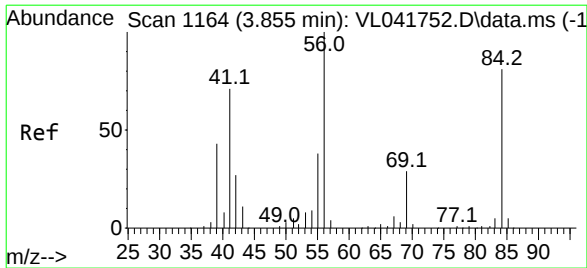
Reviewed By :Semsettin Yesilyurt 12/23/2024
Supervised By :Mahesh Dadoda 12/23/2024



#29
Chloroform
Concen: 22.942 ppbv
RT: 2.855 min Scan# 855
Delta R.T. 0.009 min
Lab File: VL041815.D
Acq: 19 Dec 2024 02:59

Tgt Ion: 83 Resp: 359474
Ion Ratio Lower Upper
83 100
85 63.3 51.8 77.6





#30

Cyclohexane

Concen: 0.105 ppbv m

RT: 3.865 min Scan# 11

Delta R.T. 0.009 min

Lab File: VL041815.D

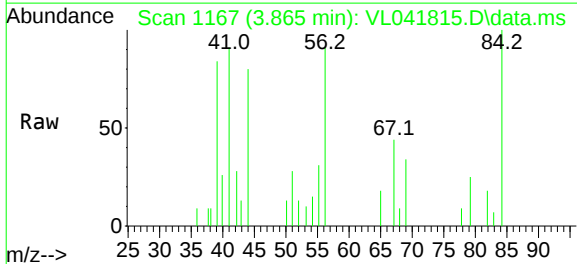
Acq: 19 Dec 2024 02:59

Instrument :

MSVOA_L

ClientSampleId :

C0AC9

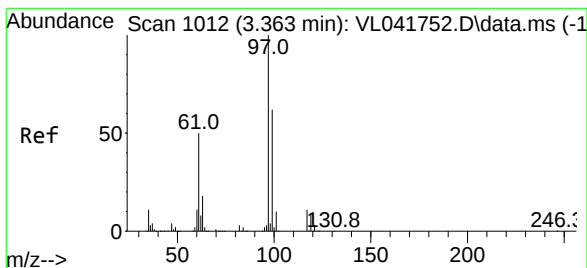
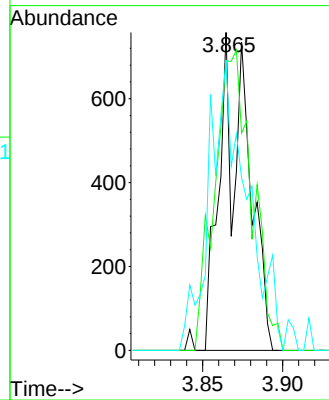
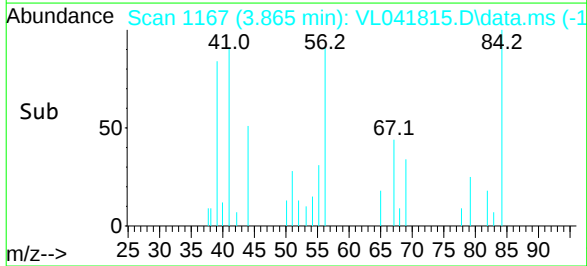


Tgt Ion:	84	Resp:	919
Ion	Ratio	Lower	Upper
84	100		
56	0.0	102.3	153.5#
41	126.0	74.0	111.0#

Manual Integrations

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#32

1,1,1-Trichloroethane

Concen: 0.202 ppbv m

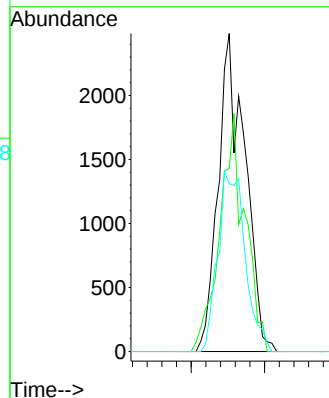
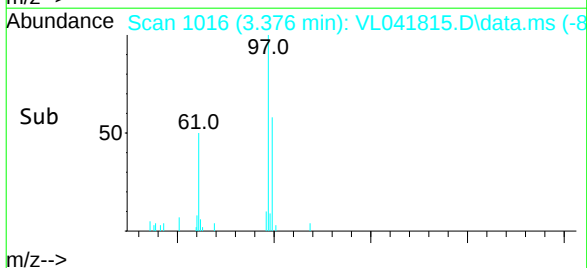
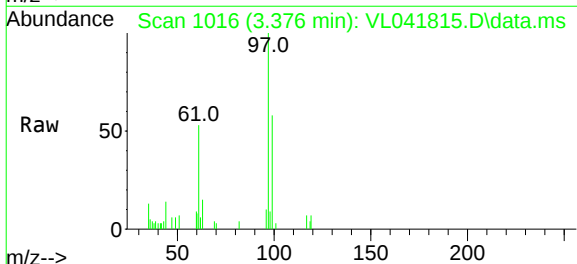
RT: 3.376 min Scan# 1016

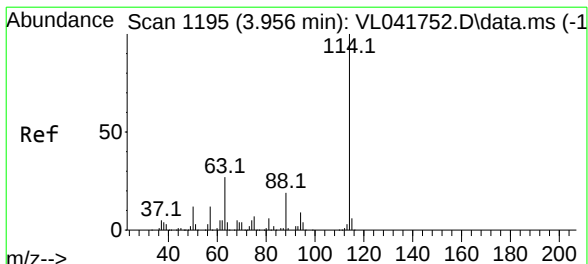
Delta R.T. 0.012 min

Lab File: VL041815.D

Acq: 19 Dec 2024 02:59

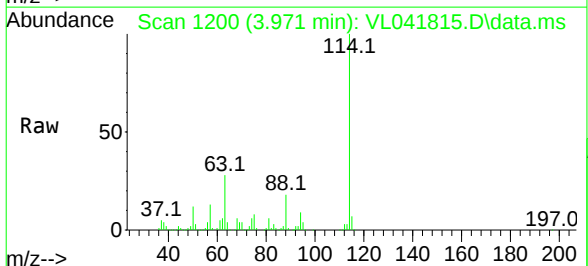
Tgt Ion:	97	Resp:	3148
Ion	Ratio	Lower	Upper
97	100		
99	0.0	51.0	76.4#
61	57.5	42.2	63.2





#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 3.971 min Scan# 12
 Delta R.T. 0.016 min
 Lab File: VL041815.D
 Acq: 19 Dec 2024 02:59

Instrument :
 MSVOA_L
 ClientSampleId :
 C0AC9

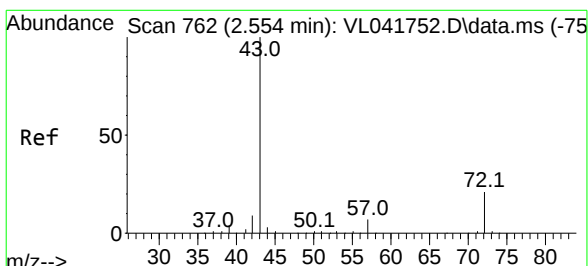
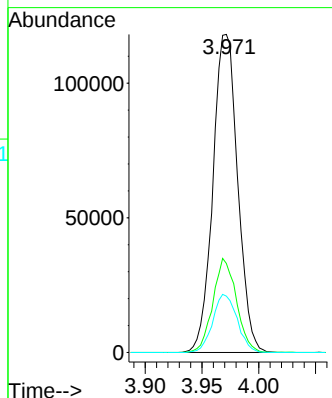
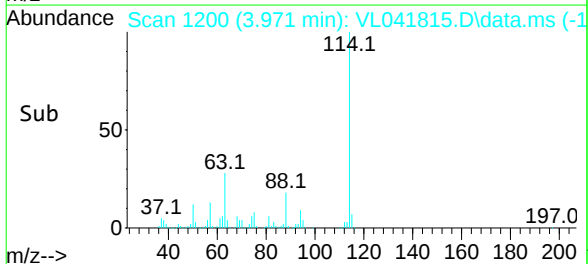


Tgt Ion: 114 Resp: 179512

Ion	Ratio	Lower	Upper
114	100		
63	28.1	21.8	32.8
88	18.0	14.8	22.2

Manual Integrations
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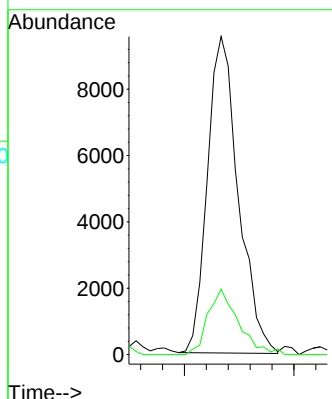
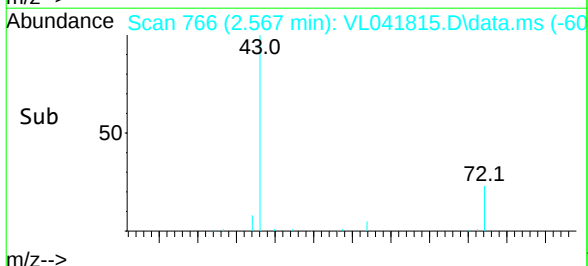
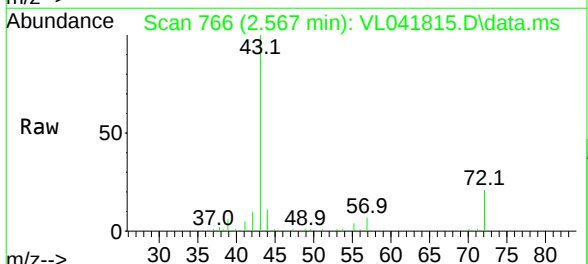
Reviewed By :Semsettin Yesilyurt 12/23/2024
 Supervised By :Mahesh Dadoda 12/23/2024

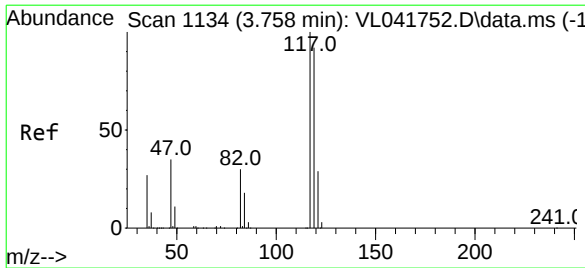


#34
 2-Butanone
 Concen: 0.649 ppbv
 RT: 2.567 min Scan# 766
 Delta R.T. 0.012 min
 Lab File: VL041815.D
 Acq: 19 Dec 2024 02:59

Tgt Ion: 43 Resp: 9372

Ion	Ratio	Lower	Upper
43	100		
72	20.5	16.8	25.2





#35

Carbon Tetrachloride

Concen: 1.455 ppbv

RT: 3.774 min Scan# 11

Delta R.T. 0.016 min

Lab File: VL041815.D

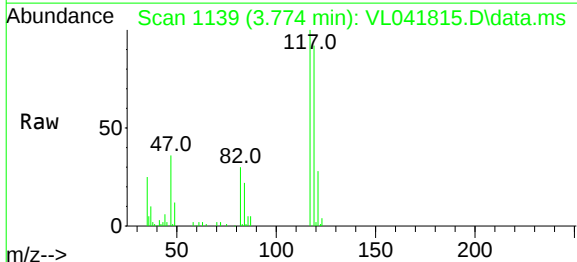
Acq: 19 Dec 2024 02:59

Instrument :

MSVOA_L

ClientSampleId :

C0AC9

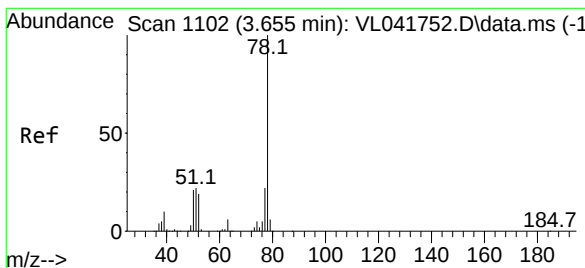
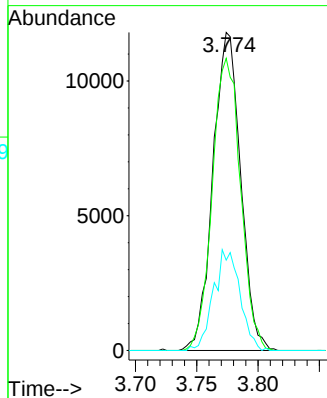
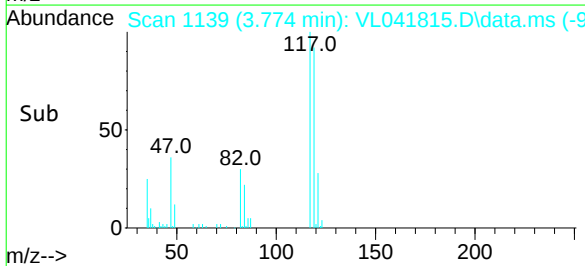


Tgt Ion:	117	Resp:	18537
Ion	Ratio	Lower	Upper
117	100		
119	91.8	73.7	110.5
121	28.4	23.0	34.4

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 12/23/2024
Supervised By :Mahesh Dadoda 12/23/2024



#36

Benzene

Concen: 0.118 ppbv m

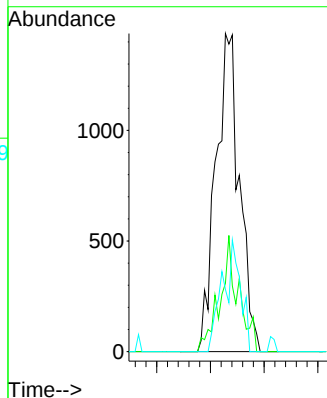
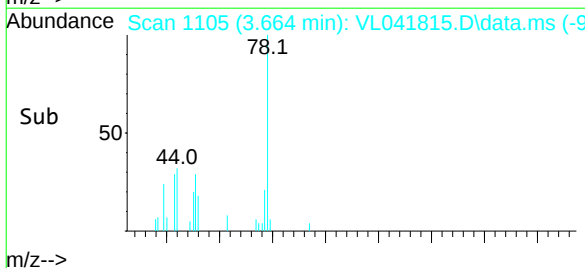
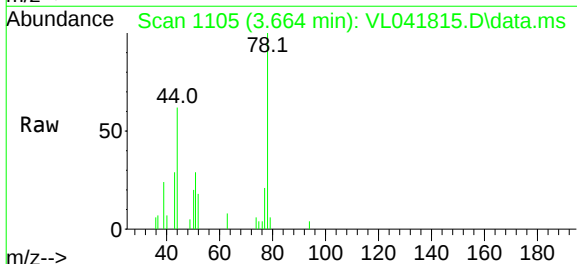
RT: 3.664 min Scan# 1105

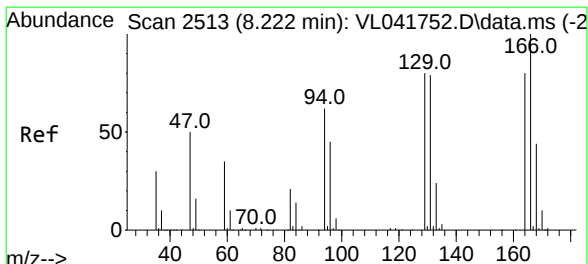
Delta R.T. 0.009 min

Lab File: VL041815.D

Acq: 19 Dec 2024 02:59

Tgt Ion:	78	Resp:	2199
Ion	Ratio	Lower	Upper
78	100		
77	21.5	17.8	26.6
50	19.5	17.2	25.8





#52
 Tetrachloroethene
 Concen: 0.483 ppbv
 RT: 8.237 min Scan# 2518
 Delta R.T. 0.016 min
 Lab File: VL041815.D
 Acq: 19 Dec 2024 02:59

Instrument :

MSVOA_L

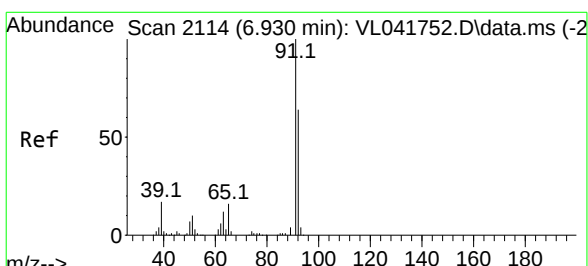
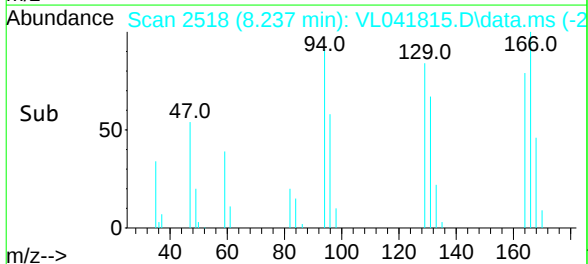
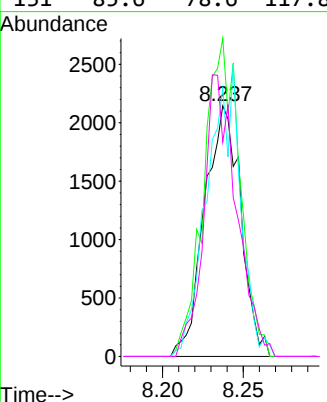
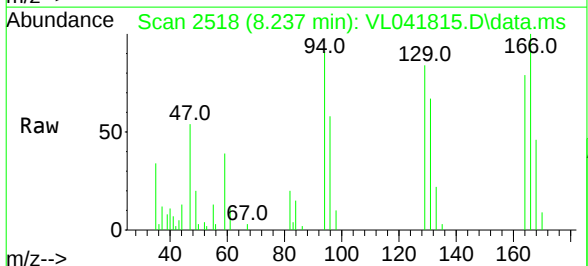
ClientSampleId :

C0AC9

Tgt Ion:	164	Resp:	3337
Ion	Ratio	Lower	Upper
164	100		
166	126.9	99.8	149.6
129	107.0	79.6	119.4
131	85.6	78.6	117.8

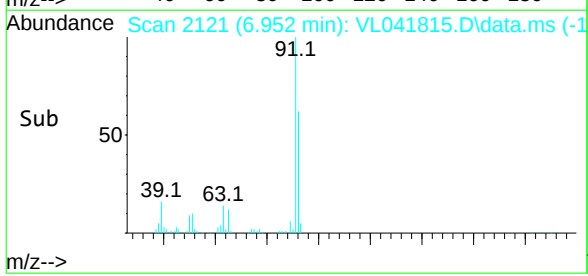
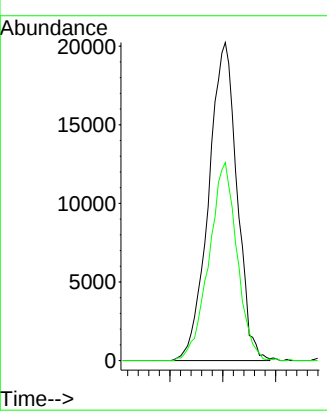
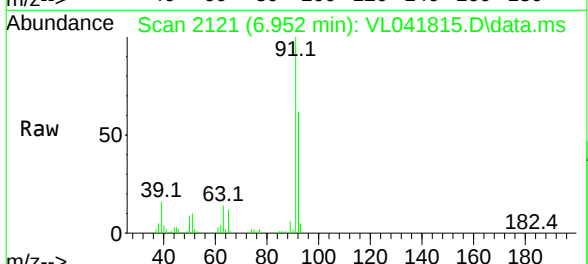
Manual Integrations
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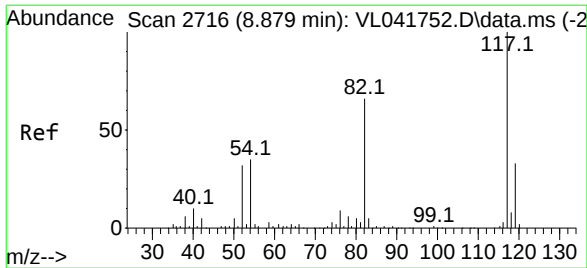
Reviewed By :Semsettin Yesilyurt 12/23/2024
 Supervised By :Mahesh Dadoda 12/23/2024



#53
 Toluene
 Concen: 1.795 ppbv
 RT: 6.952 min Scan# 2121
 Delta R.T. 0.022 min
 Lab File: VL041815.D
 Acq: 19 Dec 2024 02:59

Tgt Ion:	91	Resp:	37782
Ion	Ratio	Lower	Upper
91	100		
92	61.6	47.9	71.9





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 8.894 min Scan# 2716

Delta R.T. 0.016 min

Lab File: VL041815.D

Acq: 19 Dec 2024 02:59

Instrument :

MSVOA_L

ClientSampleId :

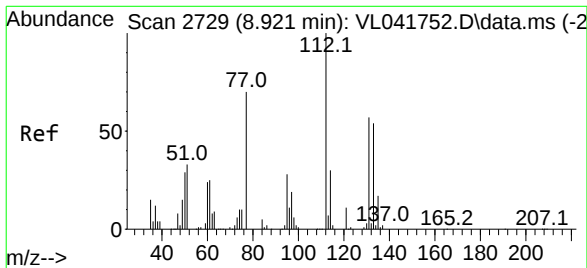
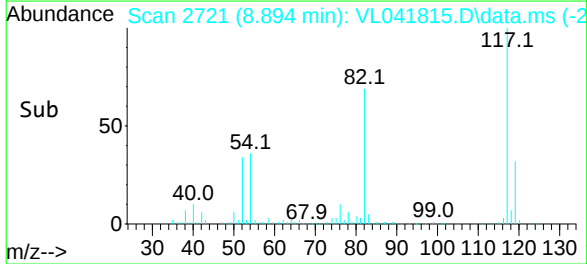
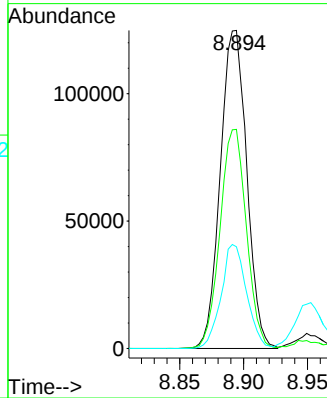
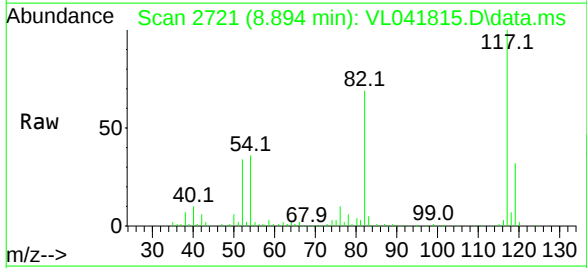
C0AC9

Tgt Ion:	117	Resp:	179898
Ion Ratio	Lower	Upper	
117	100		
82	68.7	53.8	80.8
119	31.3	26.7	40.1

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 12/23/2024
Supervised By :Mahesh Dadoda 12/23/2024



#57

Chlorobenzene

Concen: 0.116 ppbv

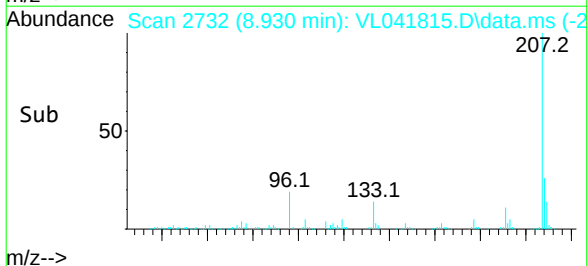
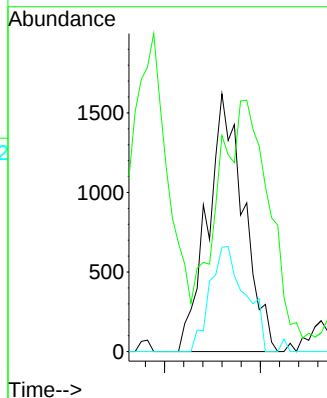
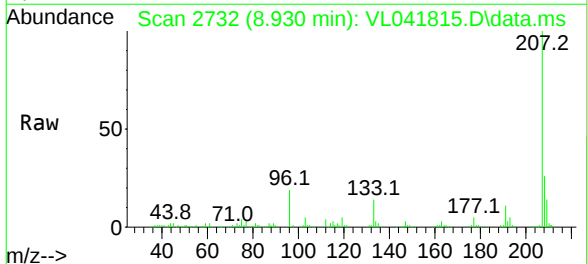
RT: 8.930 min Scan# 2732

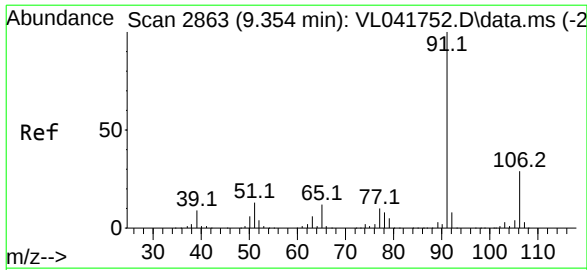
Delta R.T. 0.009 min

Lab File: VL041815.D

Acq: 19 Dec 2024 02:59

Tgt Ion:	112	Resp:	2128
Ion Ratio	Lower	Upper	
112	100		
77	41.9	57.4	86.0#
114	40.5	27.4	33.4#





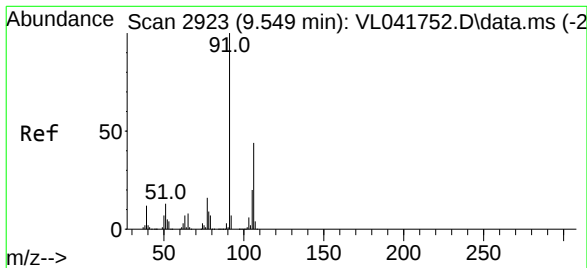
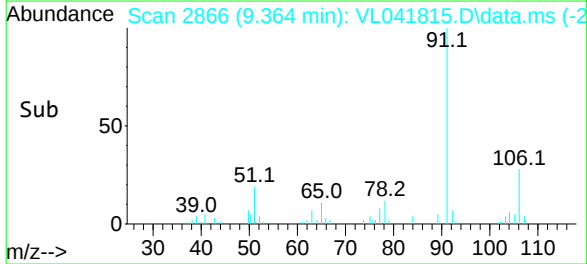
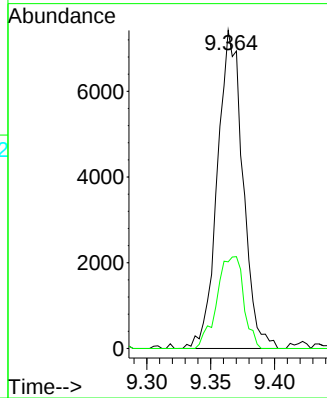
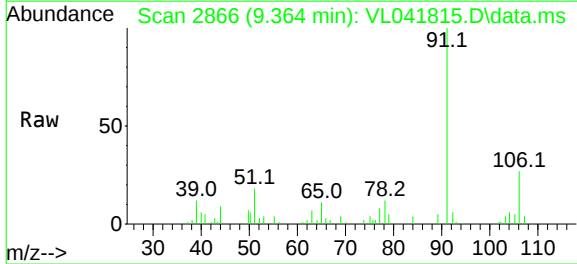
#58
Ethyl Benzene
Concen: 0.317 ppbv
RT: 9.364 min Scan# 2866
Delta R.T. 0.009 min
Lab File: VL041815.D
Acq: 19 Dec 2024 02:59

Instrument :
MSVOA_L
ClientSampleId :
C0AC9

Tgt Ion: 91 Resp: 10278
Ion Ratio Lower Upper
91 100
106 27.2 23.5 35.3

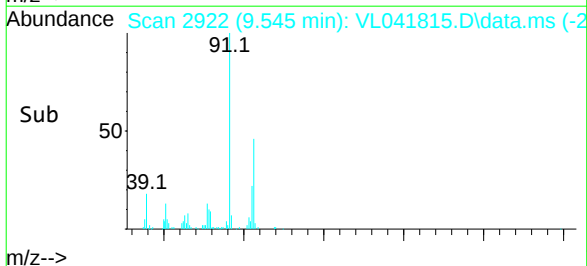
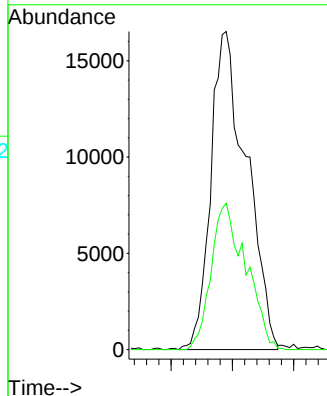
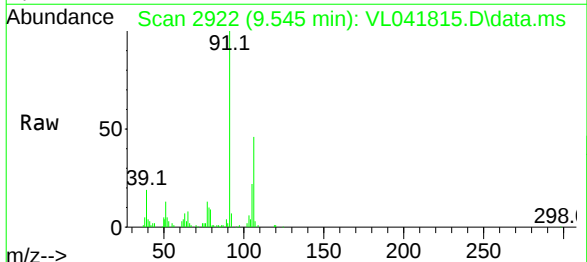
Manual Integrations
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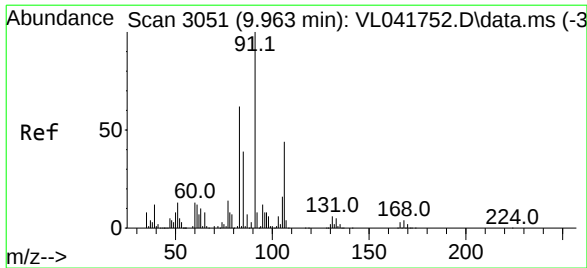
Reviewed By :Semsettin Yesilyurt 12/23/2024
Supervised By :Mahesh Dadoda 12/23/2024



#59
m/p-Xylene
Concen: 1.279 ppbv
RT: 9.545 min Scan# 2922
Delta R.T. -0.004 min
Lab File: VL041815.D
Acq: 19 Dec 2024 02:59

Tgt Ion: 91 Resp: 33305
Ion Ratio Lower Upper
91 100
106 44.9 0.0 0.0#





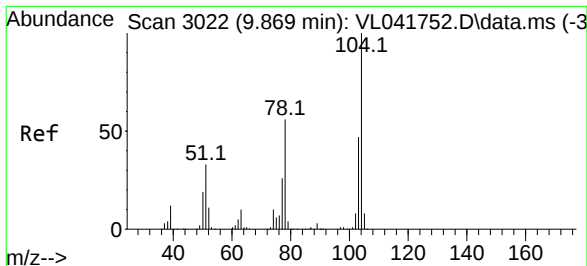
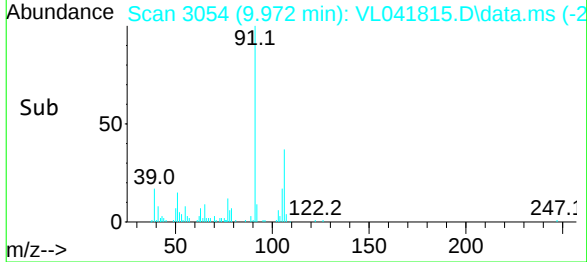
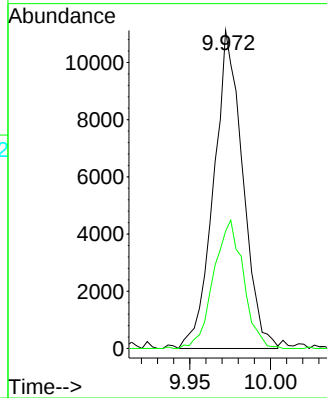
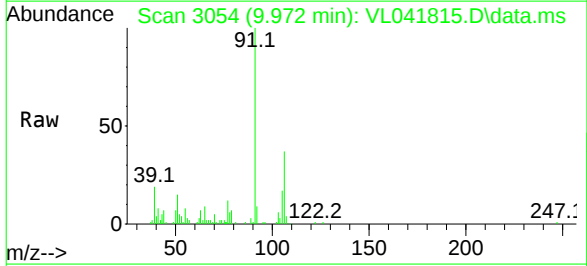
#60
o-Xylene
Concen: 0.533 ppbv
RT: 9.972 min Scan# 3054
Delta R.T. 0.009 min
Lab File: VL041815.D
Acq: 19 Dec 2024 02:59

Instrument :
MSVOA_L
ClientSampleId :
C0AC9

Tgt Ion: 91 Resp: 13916
Ion Ratio Lower Upper
91 100
106 41.4 21.1 63.4

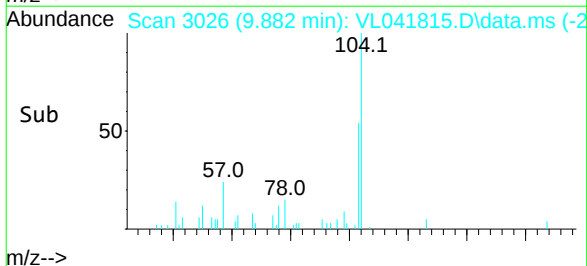
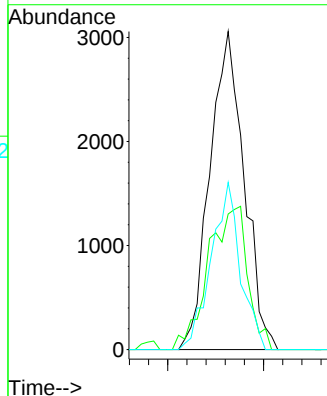
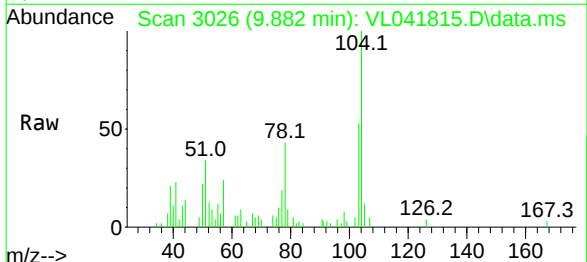
Manual Integrations
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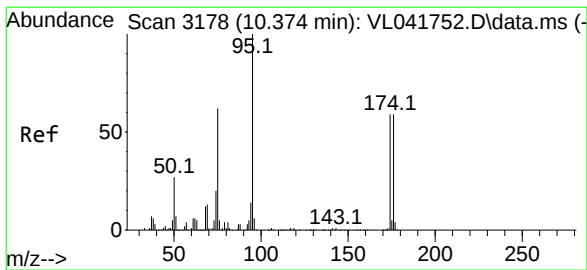
Reviewed By :Semsettin Yesilyurt 12/23/2024
Supervised By :Mahesh Dadoda 12/23/2024



#61
Styrene
Concen: 0.336 ppbv
RT: 9.882 min Scan# 3026
Delta R.T. 0.012 min
Lab File: VL041815.D
Acq: 19 Dec 2024 02:59

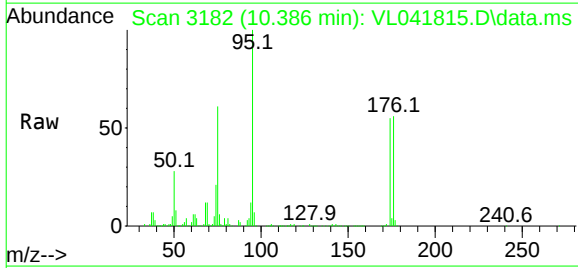
Tgt Ion:104 Resp: 3795
Ion Ratio Lower Upper
104 100
78 52.6 43.8 65.6
103 44.7 37.8 56.6





#68
1-Bromo-4-Fluorobenzene
Concen: 9.859 ppbv
RT: 10.386 min Scan# 3178
Delta R.T. 0.012 min
Lab File: VL041815.D
Acq: 19 Dec 2024 02:59

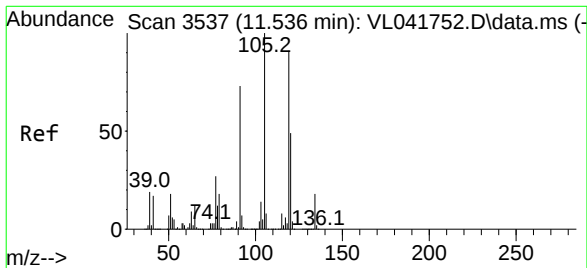
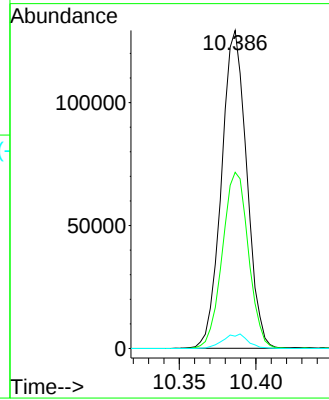
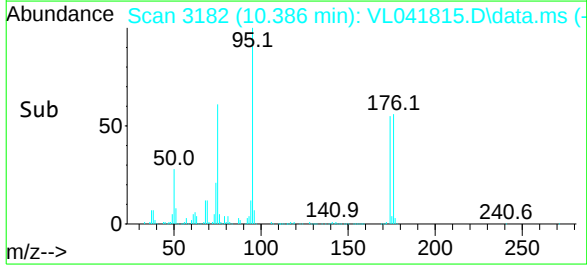
Instrument :
MSVOA_L
ClientSampleId :
C0AC9



Tgt Ion: 95 Resp: 147798
Ion Ratio Lower Upper
95 100
174 57.5 47.6 71.4
175 4.5 3.7 5.5

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 12/23/2024
Supervised By :Mahesh Dadoda 12/23/2024



#74
1,2,4-Trimethylbenzene
Concen: 0.165 ppbv
RT: 11.545 min Scan# 3540
Delta R.T. 0.009 min
Lab File: VL041815.D
Acq: 19 Dec 2024 02:59

Tgt Ion:105 Resp: 4532
Ion Ratio Lower Upper
105 100
120 40.7 39.0 58.4
91 13.2 58.1 87.1#
77 15.4 21.8 32.8#

