

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL031623\
 Data File : VL040295.D
 Acq On : 16 Mar 2023 14:27
 Operator : SY/MD
 Sample : 01933-03 2X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Manual Integrations
 APPROVED

Reviewed By : Semsettin
 Yesilyurt

Quant Time: Mar 17 04:14:40 2023

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL031523AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 2023

QLast Update : Wed Mar 15 16:14:43 2023

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	5.189	49	1060576	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.655	114	2720887	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.468	117	2554297	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.780	95	2119413	9.908	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.100%
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	2.729	85	44994	0.216	ppbv	96
3) Chlorodifluoromethane	2.677	51	22317	0.167	ppbv	92
4) Chloromethane	2.809	50	8994	0.109	ppbv	92
9) Propene	2.706	41	18309	0.358	ppbv #	79
10) Heptane	7.584	43	65129m	0.530	ppbv	
13) Ethanol	3.237	45	1365099	364.302	ppbv	97
15) Acetone	3.465	43	1021242	7.909	ppbv	99
20) Methylene Chloride	3.931	84	2111869	38.879	ppbv	96
26) Hexane	5.211	57	1120794	11.296	ppbv #	40
34) 2-Butanone	4.787	43	390933	2.911	ppbv	99
36) Benzene	6.369	78	74978	0.362	ppbv	95
41) Tetrahydrofuran	5.562	42	99039	1.278	ppbv	96
44) 2,2,4-Trimethylpentane	7.327	57	722492	2.090	ppbv	92
50) 4-Methyl-2-Pentanone	8.195	43	123348	0.594	ppbv	97
52) Tetrachloroethene	10.619	164	49435	0.788	ppbv	83
53) Toluene	9.221	91	1733643	7.978	ppbv	98
58) Ethyl Benzene	12.092	91	624481	2.147	ppbv	98
59) m/p-Xylene	12.346	91	2053987	7.709	ppbv	95
60) o-Xylene	13.060	91	898336	3.527	ppbv	100
62) Isopropylbenzene	14.034	105	61456	0.169	ppbv	93
64) n-propylbenzene	14.924	120	48466	0.546	ppbv	88
65) tert-Butylbenzene	16.105	119	109051m	0.349	ppbv	
72) 4-Ethyltoluene	15.198	105	309894	1.113	ppbv	98
73) 1,3,5-Trimethylbenzene	15.352	105	256107	1.015	ppbv	94
74) 1,2,4-Trimethylbenzene	16.111	105	1041026	3.619	ppbv #	70
79) Naphthalene	21.397	128	137001m	0.805	ppbv	

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

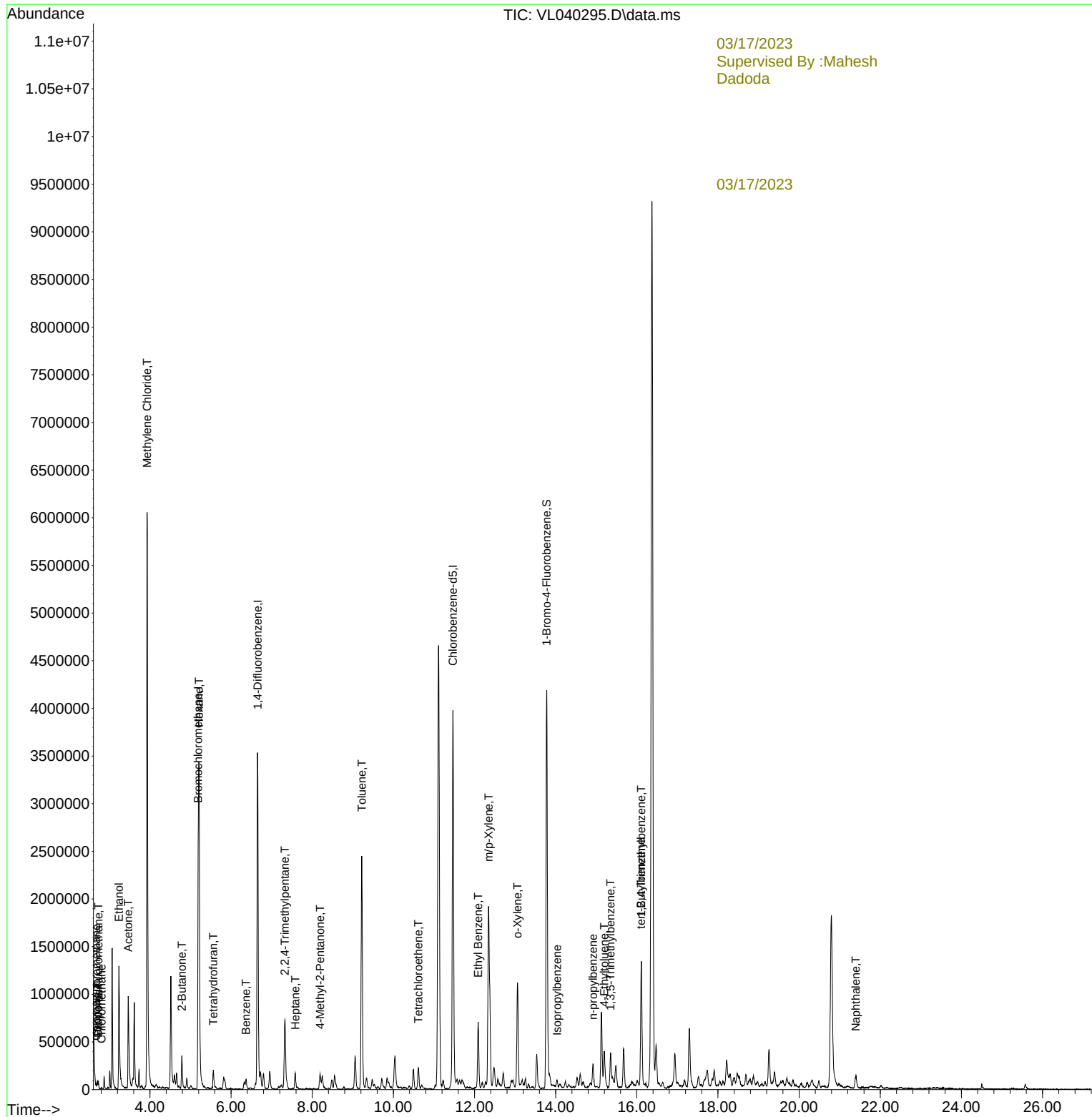
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL031623\
Data File : VL040295.D
Acq On : 16 Mar 2023 14:27
Operator : SY/MD
Sample : 01933-03 2X
Misc : 400mL/MSVOA_L
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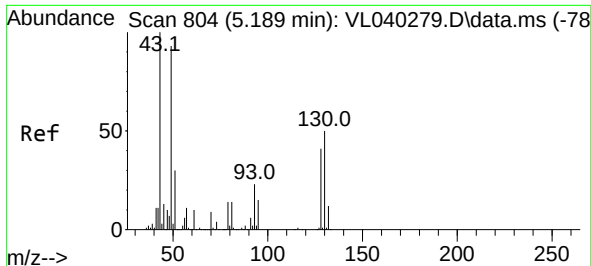
Instrument :
MSVOA_L
ClientSampleId :

Quant Time: Mar 17 04:14:40 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL031523AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug
QLast Update : Wed Mar 15 16:14:43 2023
Response via : Initial Calibration

Manual Integrations
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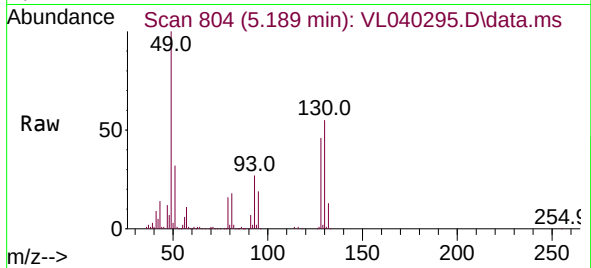
Reviewed By :Semsettin
Yesilyurt





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.189 min Scan# 804
Delta R.T. -0.000 min
Lab File: VL040295.D
Acq: 16 Mar 2023 14:27

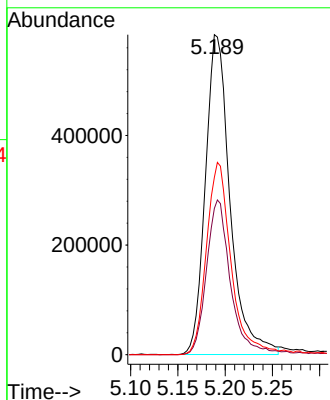
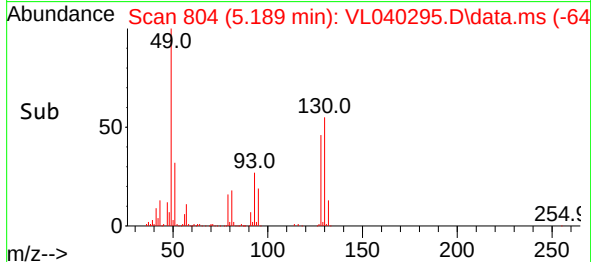
Instrument :
MSVOA_L
ClientSampleId :



Tgt Ion: 49 Resp: 1060570
Ion Ratio Lower Upper
49 100
128 48.0 22.4 67.3
130 61.9 28.7 86.1

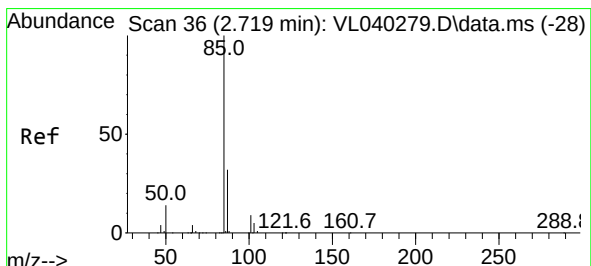
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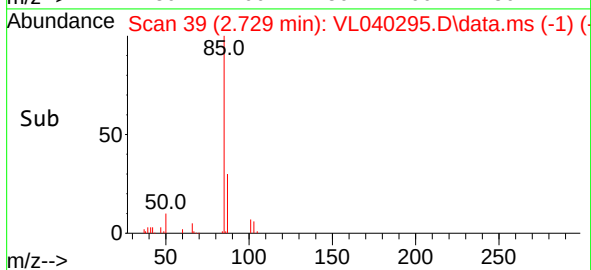
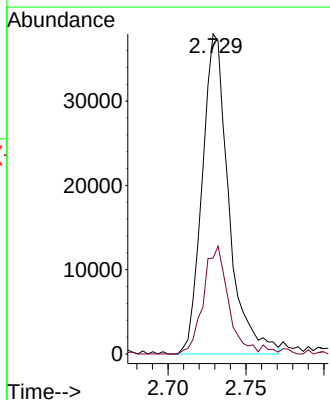
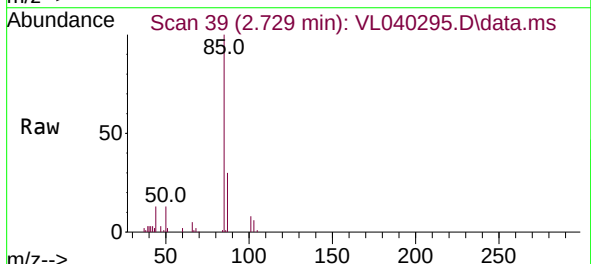
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Dadoda

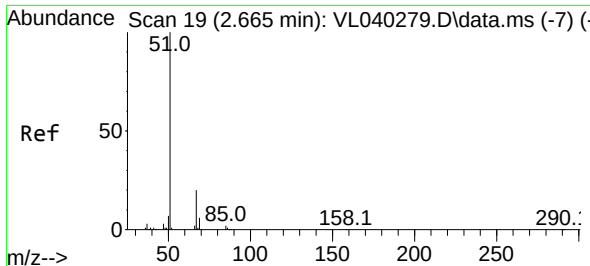
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#2
Dichlorodifluoromethane
Concen: 0.216 ppbv
RT: 2.729 min Scan# 39
Delta R.T. 0.010 min
Lab File: VL040295.D
Acq: 16 Mar 2023 14:27

Tgt Ion: 85 Resp: 44994
Ion Ratio Lower Upper
85 100
87 29.9 25.5 38.3





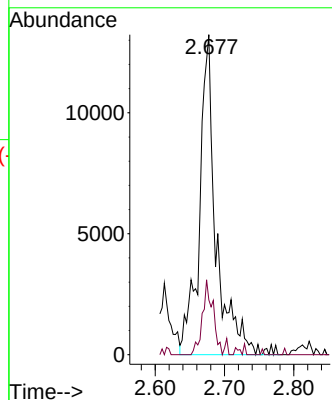
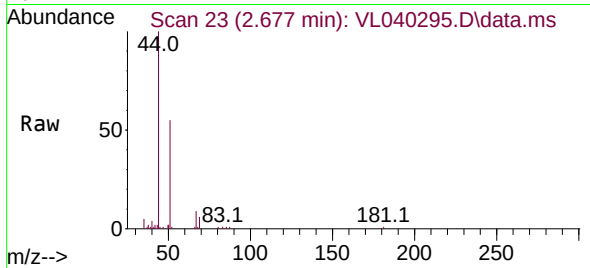
#3
Chlorodifluoromethane
Concen: 0.167 ppbv
RT: 2.677 min Scan# 21
Delta R.T. 0.012 min
Lab File: VL040295.D
Acq: 16 Mar 2023 14:27

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 51 Resp: 2231
Ion Ratio Lower Upper
51 100
67 16.4 16.0 24.0

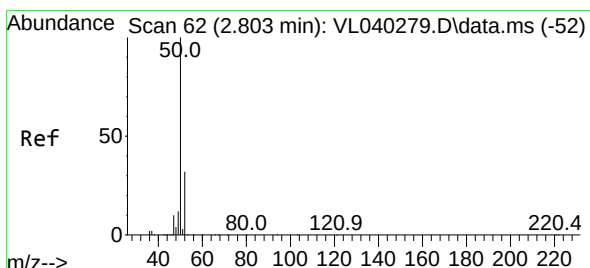
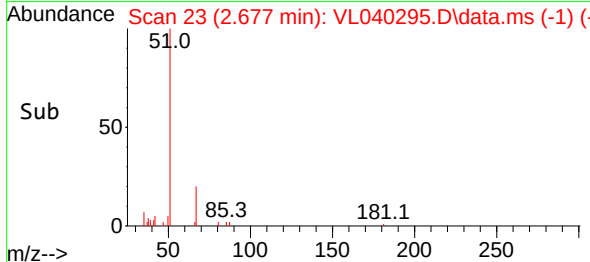
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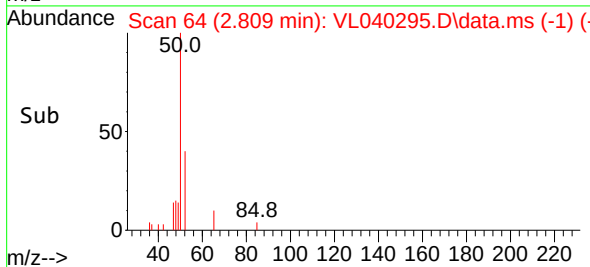
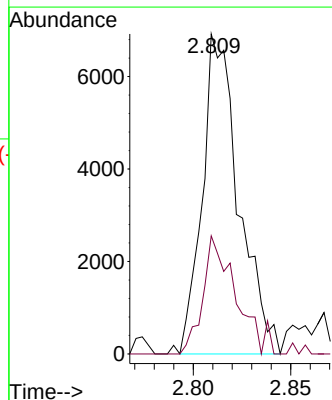
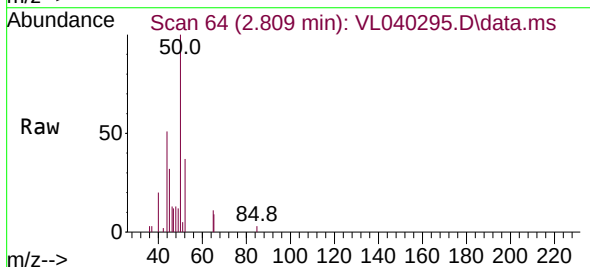
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Supervised By :Mahesh
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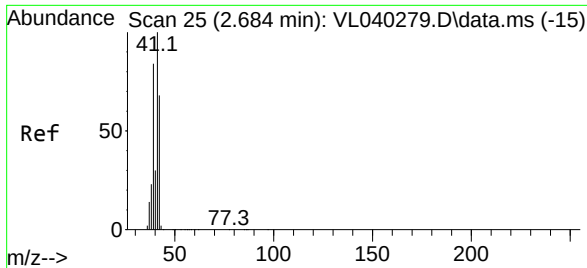
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#4
Chloromethane
Concen: 0.109 ppbv
RT: 2.809 min Scan# 64
Delta R.T. 0.006 min
Lab File: VL040295.D
Acq: 16 Mar 2023 14:27

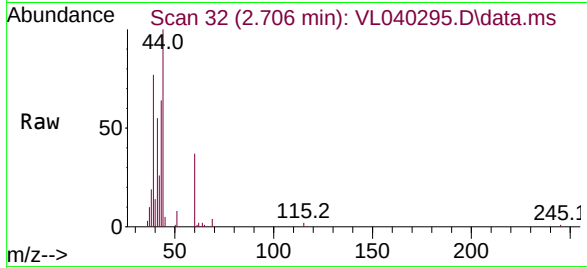
Tgt Ion: 50 Resp: 8994
Ion Ratio Lower Upper
50 100
52 36.9 25.9 38.9





#9
 Propene
 Concen: 0.358 ppbv
 RT: 2.706 min Scan# 31
 Delta R.T. 0.022 min
 Lab File: VL040295.D
 Acq: 16 Mar 2023 14:27

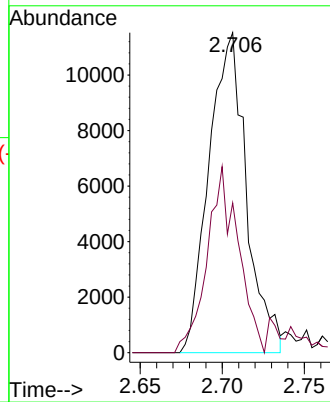
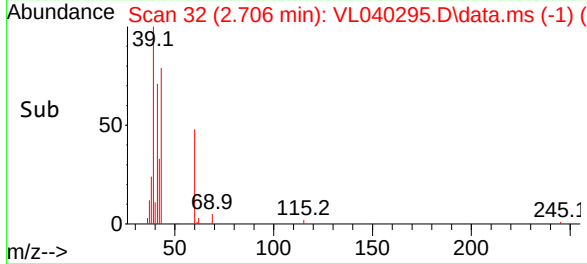
Instrument :
 MSVOA_L
 ClientSampleId :



Tgt Ion: 41 Resp: 18309
 Ion Ratio Lower Upper
 41 100
 42 55.7 59.0 88.4

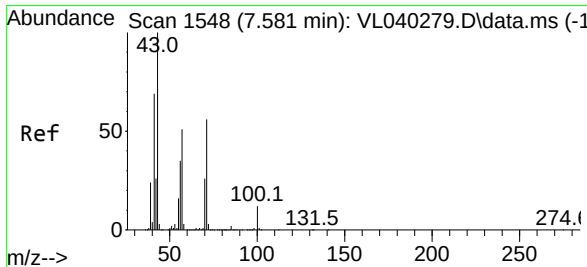
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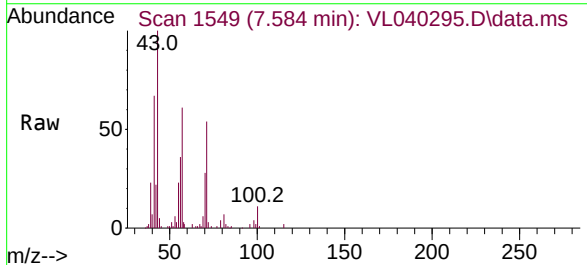


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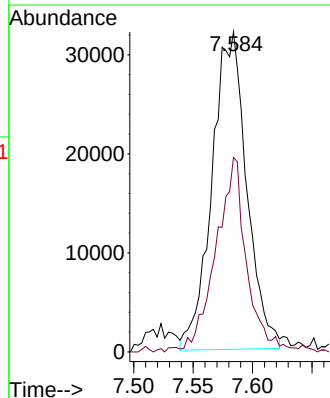
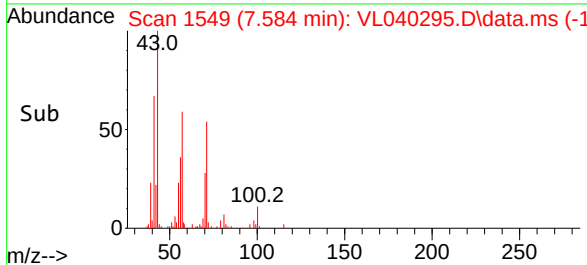
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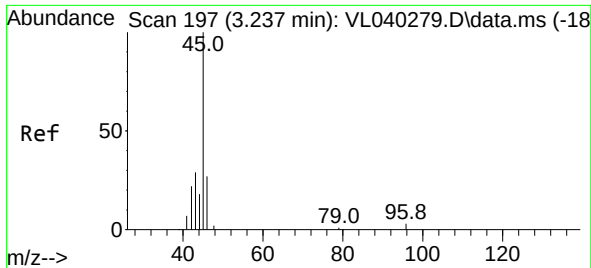


#10
 Heptane
 Concen: 0.530 ppbv m
 RT: 7.584 min Scan# 1549
 Delta R.T. 0.003 min
 Lab File: VL040295.D
 Acq: 16 Mar 2023 14:27



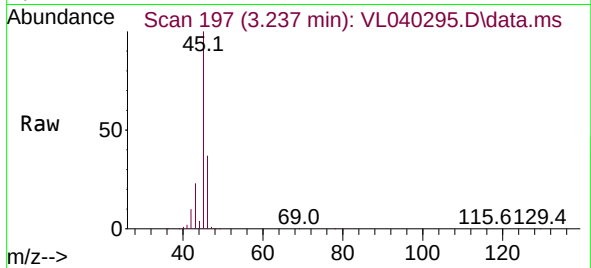
Tgt Ion: 43 Resp: 65129
 Ion Ratio Lower Upper
 43 100
 57 55.5 41.7 62.5





#13
Ethanol
Concen: 364.302 ppbv
RT: 3.237 min Scan# 197
Delta R.T. -0.000 min
Lab File: VL040295.D
Acq: 16 Mar 2023 14:27

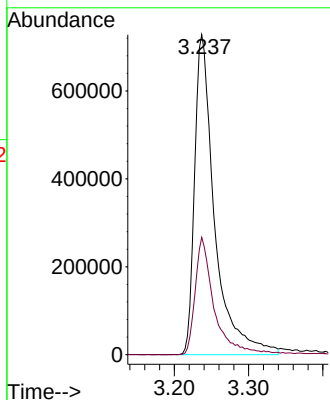
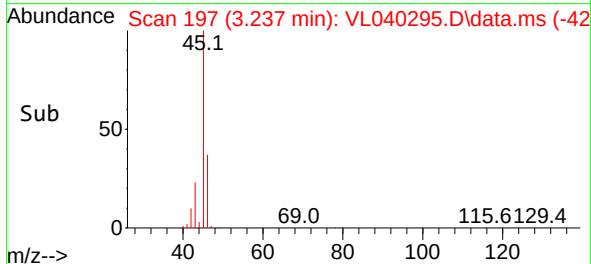
Instrument :
MSVOA_L
ClientSampleId :



Tgt Ion: 45 Resp: 1365099
Ion Ratio Lower Upper
45 100
46 36.1 15.0 60.2

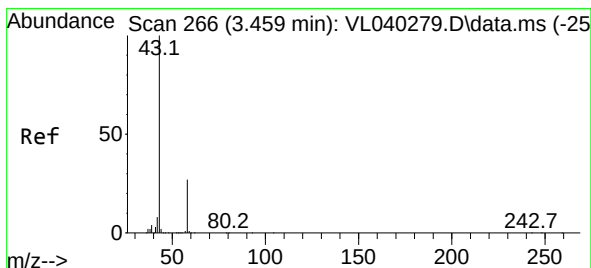
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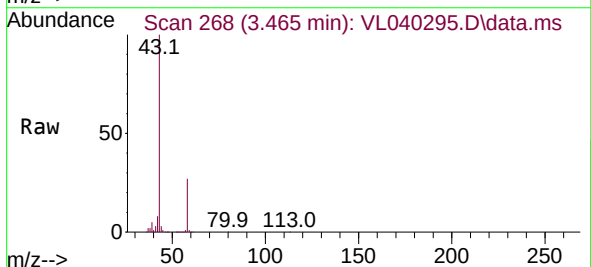


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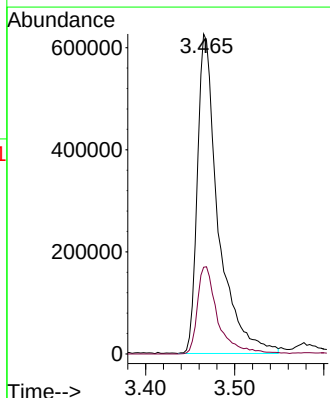
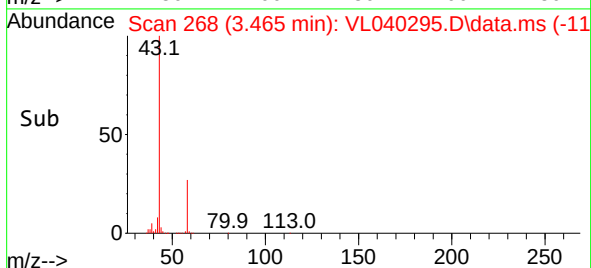
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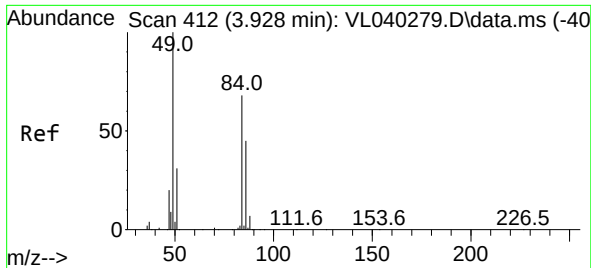


#15
Acetone
Concen: 7.909 ppbv
RT: 3.465 min Scan# 268
Delta R.T. 0.006 min
Lab File: VL040295.D
Acq: 16 Mar 2023 14:27



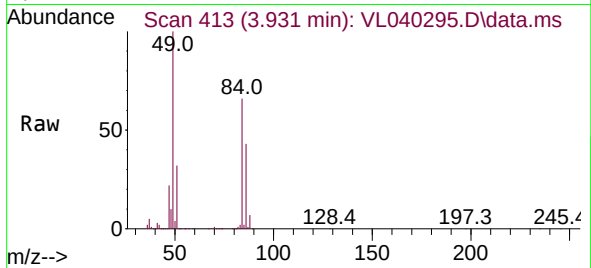
Tgt Ion: 43 Resp: 1021242
Ion Ratio Lower Upper
43 100
58 26.9 21.8 32.8





#20
Methylene Chloride
Concen: 38.879 ppbv
RT: 3.931 min Scan# 412
Delta R.T. 0.003 min
Lab File: VL040295.D
Acq: 16 Mar 2023 14:27

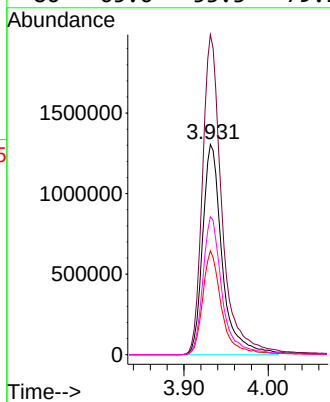
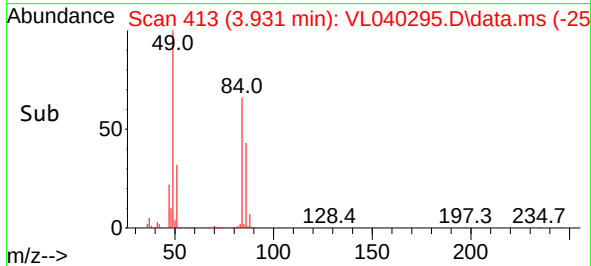
Instrument :
MSVOA_L
ClientSampleId :



Tgt Ion: 84 Resp: 2111869
Ion Ratio Lower Upper
84 100
49 152.2 117.5 176.3
51 49.3 36.9 55.3
86 65.6 53.3 79.9

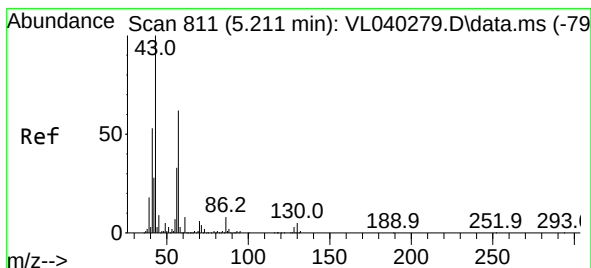
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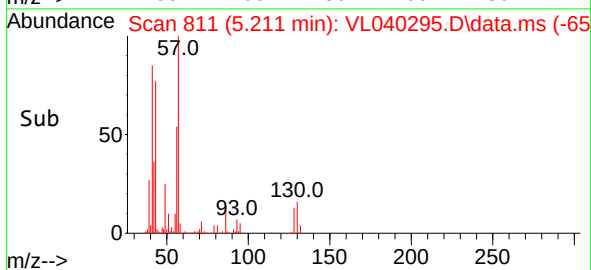
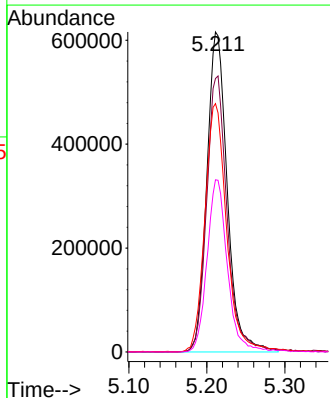
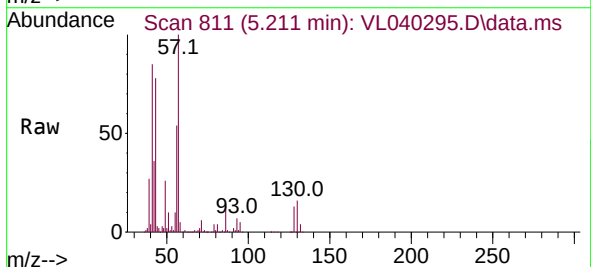
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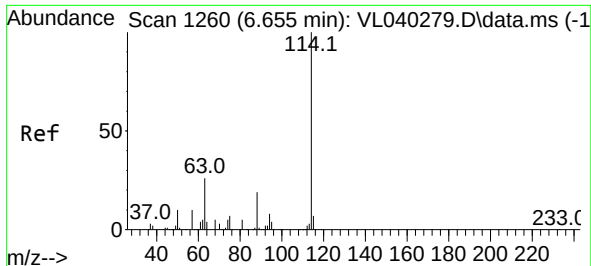
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#26
Hexane
Concen: 11.296 ppbv
RT: 5.211 min Scan# 811
Delta R.T. 0.000 min
Lab File: VL040295.D
Acq: 16 Mar 2023 14:27

Tgt Ion: 57 Resp: 1120794
Ion Ratio Lower Upper
57 100
41 87.3 73.5 110.3
43 82.8 196.3 294.5#
56 54.1 43.8 65.8





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.655 min Scan# 1

Delta R.T. -0.000 min

Lab File: VL040295.D

Acq: 16 Mar 2023 14:27

Instrument :

MSVOA_L

ClientSampleId :

Tgt Ion:114 Resp: 272088

Ion Ratio Lower Upper

114 100

63 25.3 21.2 31.8

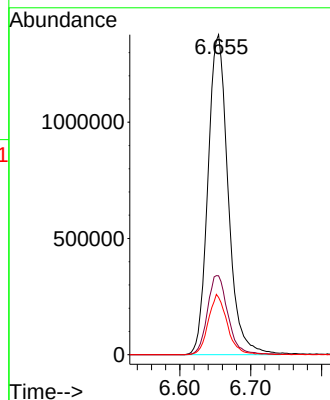
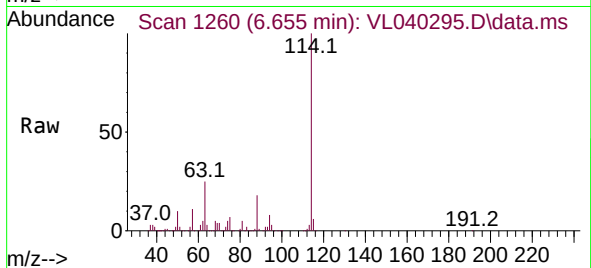
88 17.8 14.5 21.7

Manual Integrations

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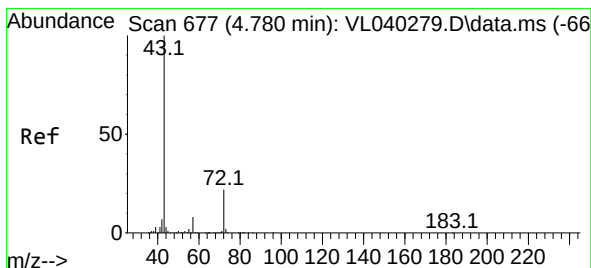
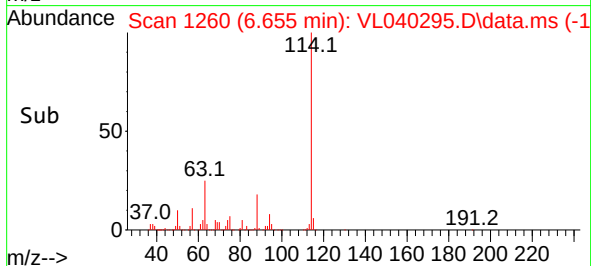


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#34

2-Butanone

Concen: 2.911 ppbv

RT: 4.787 min Scan# 679

Delta R.T. 0.007 min

Lab File: VL040295.D

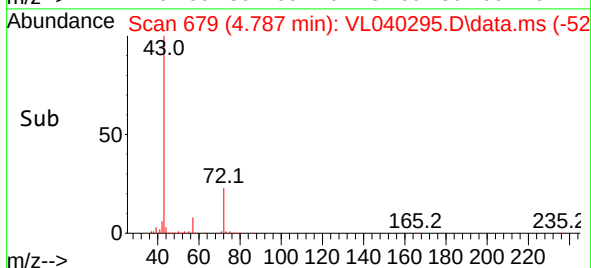
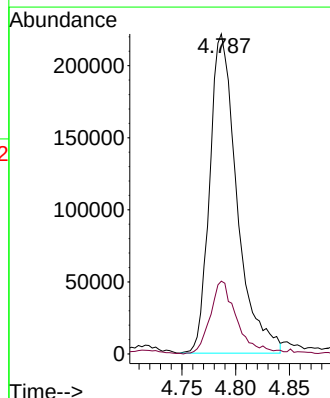
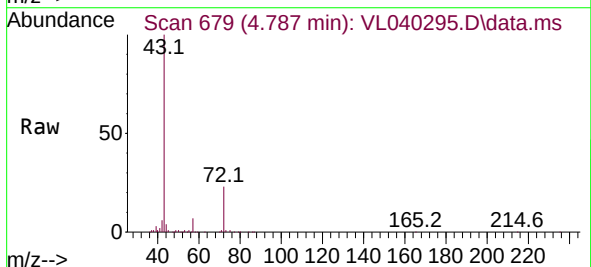
Acq: 16 Mar 2023 14:27

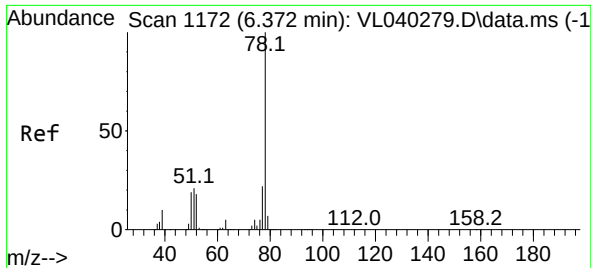
Tgt Ion: 43 Resp: 390933

Ion Ratio Lower Upper

43 100

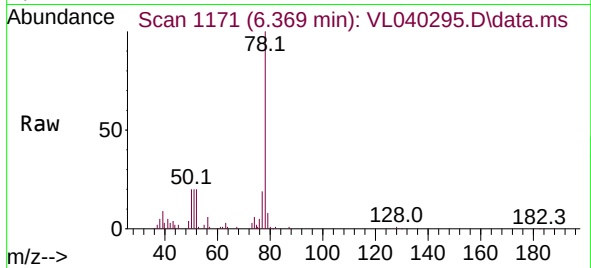
72 23.4 18.3 27.5





#36
Benzene
Concen: 0.362 ppbv
RT: 6.369 min Scan# 1171
Delta R.T. -0.003 min
Lab File: VL040295.D
Acq: 16 Mar 2023 14:27

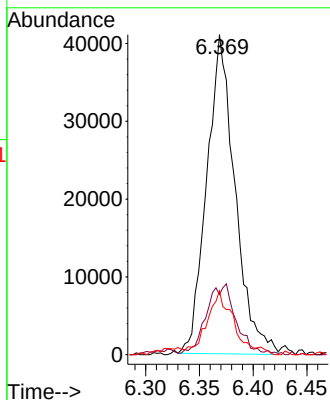
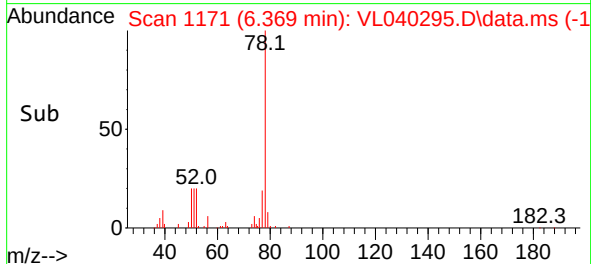
Instrument :
MSVOA_L
ClientSampleId :



Tgt Ion: 78 Resp: 74978
Ion Ratio Lower Upper
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77 18.5 17.8 26.8
50 20.0 15.4 23.2

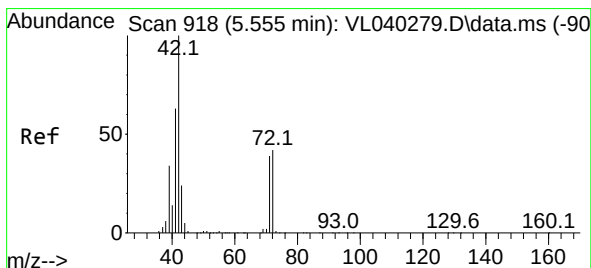
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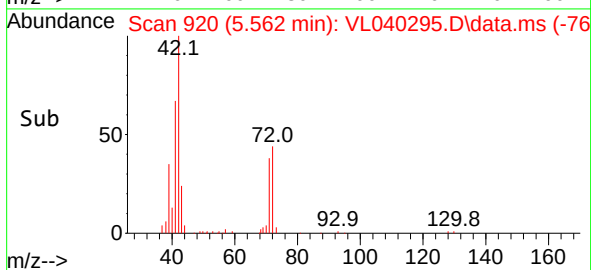
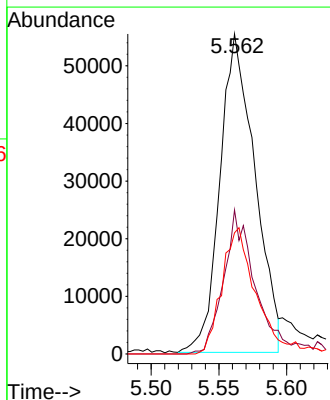
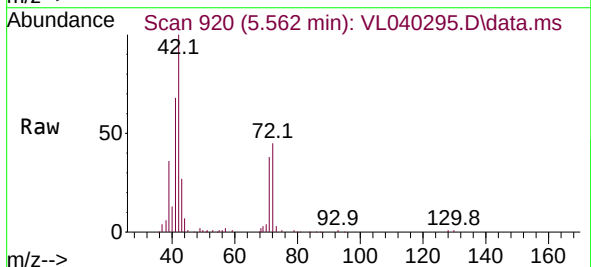
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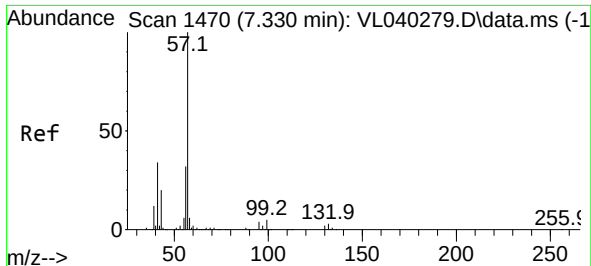
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#41
Tetrahydrofuran
Concen: 1.278 ppbv
RT: 5.562 min Scan# 920
Delta R.T. 0.007 min
Lab File: VL040295.D
Acq: 16 Mar 2023 14:27

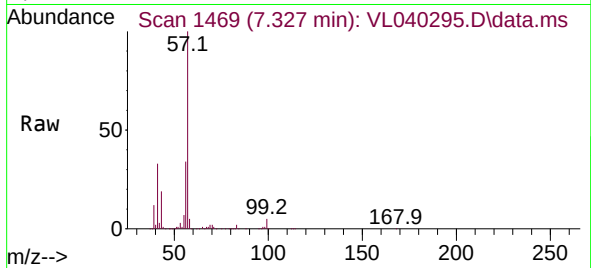
Tgt Ion: 42 Resp: 99039
Ion Ratio Lower Upper
42 100
72 43.7 32.6 49.0
71 40.2 31.0 46.4





#44
2,2,4-Trimethylpentane
Concen: 2.090 ppbv
RT: 7.327 min Scan# 1469
Delta R.T. -0.003 min
Lab File: VL040295.D
Acq: 16 Mar 2023 14:27

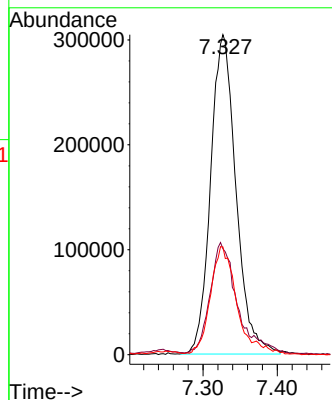
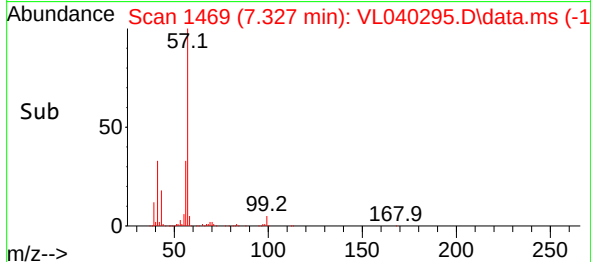
Instrument :
MSVOA_L
ClientSampleId :



Tgt Ion: 57 Resp: 722492
Ion Ratio Lower Upper
57 100
41 38.5 26.8 40.2
56 35.7 25.0 37.6

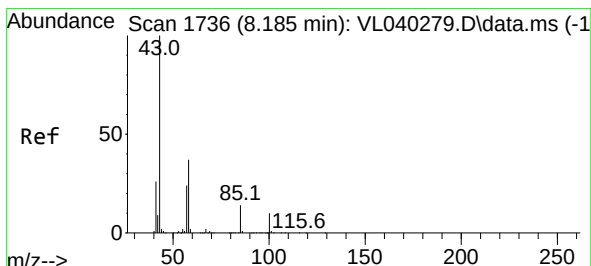
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Reviewed By :Semsettin
Yesilyurt



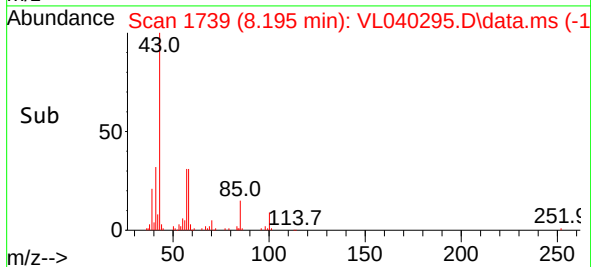
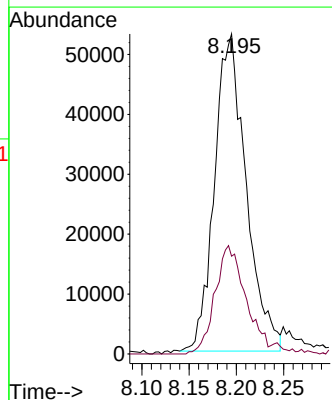
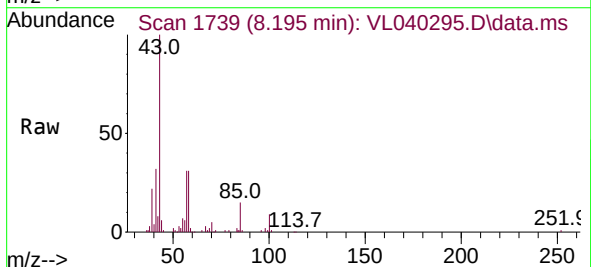
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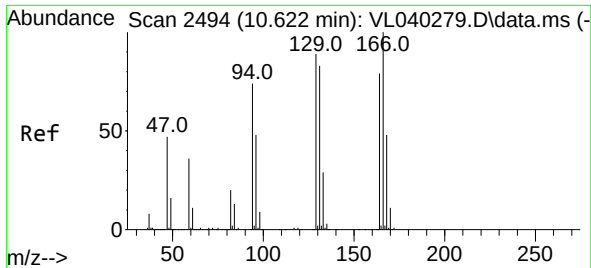
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#50
4-Methyl-2-Pentanone
Concen: 0.594 ppbv
RT: 8.195 min Scan# 1739
Delta R.T. 0.010 min
Lab File: VL040295.D
Acq: 16 Mar 2023 14:27

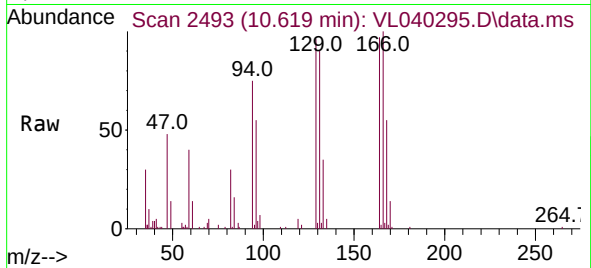
Tgt Ion: 43 Resp: 123348
Ion Ratio Lower Upper
43 100
58 34.8 29.2 43.8





#52
Tetrachloroethene
Concen: 0.788 ppbv
RT: 10.619 min Scan# 2493
Delta R.T. -0.003 min
Lab File: VL040295.D
Acq: 16 Mar 2023 14:27

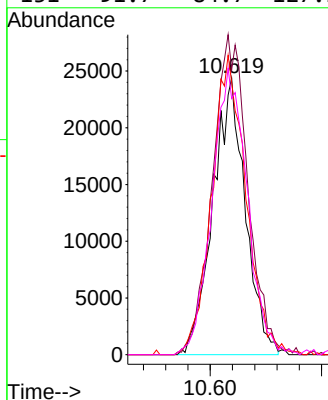
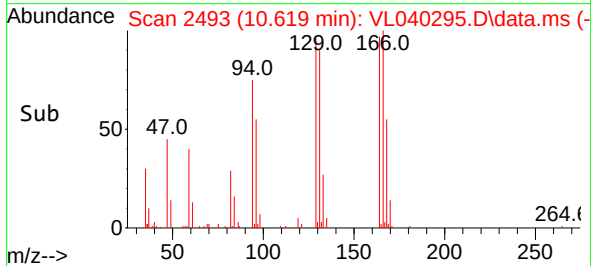
Instrument :
MSVOA_L
ClientSampleId :



Tgt Ion:164 Resp: 49435
Ion Ratio Lower Upper
164 100
166 101.9 101.8 152.6
129 97.7 90.2 135.2
131 91.7 84.7 127.1

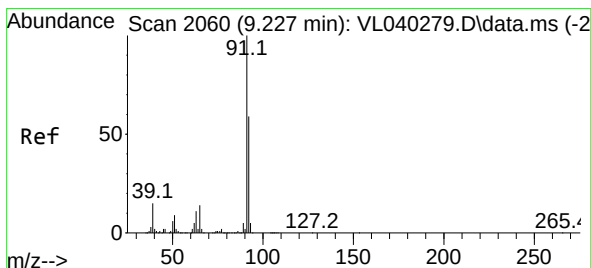
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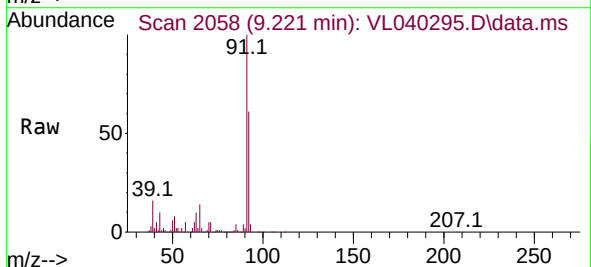


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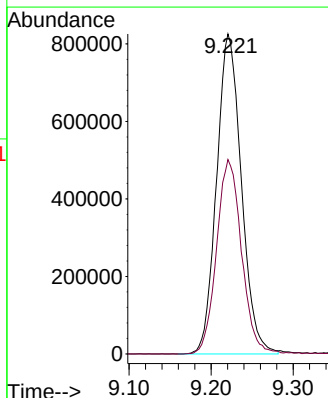
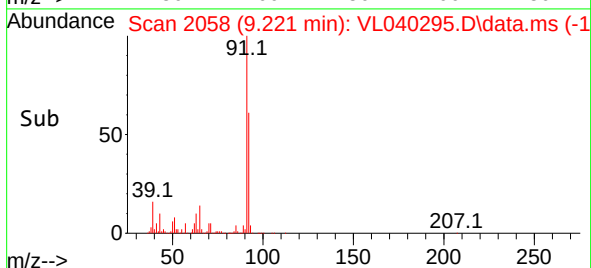
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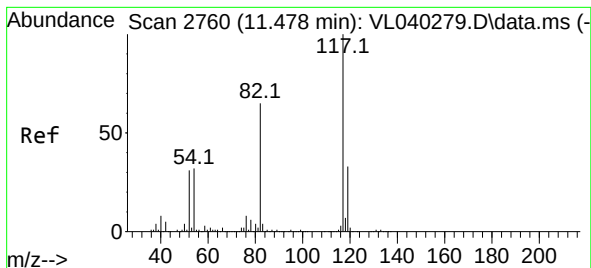


#53
Toluene
Concen: 7.978 ppbv
RT: 9.221 min Scan# 2058
Delta R.T. -0.006 min
Lab File: VL040295.D
Acq: 16 Mar 2023 14:27



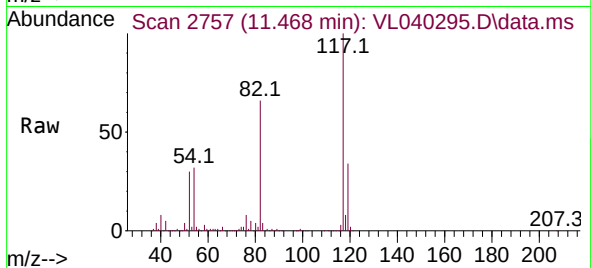
Tgt Ion: 91 Resp: 1733643
Ion Ratio Lower Upper
91 100
92 61.6 48.0 72.0





#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.468 min Scan# 21
Delta R.T. -0.010 min
Lab File: VL040295.D
Acq: 16 Mar 2023 14:27

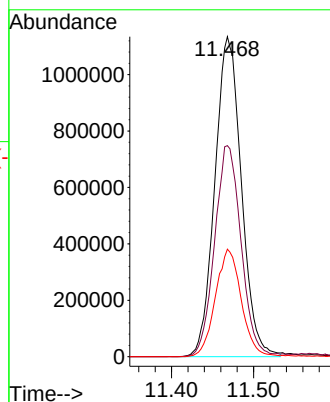
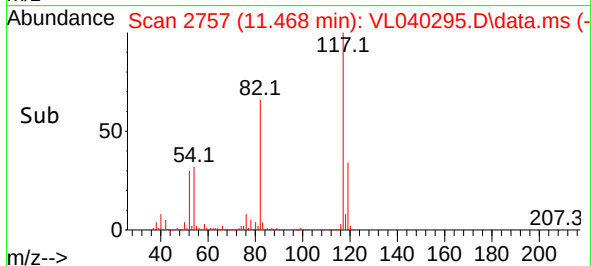
Instrument :
MSVOA_L
ClientSampleId :



Tgt Ion:117 Resp: 255429
Ion Ratio Lower Upper
117 100
82 66.1 51.4 77.2
119 33.1 24.0 36.0

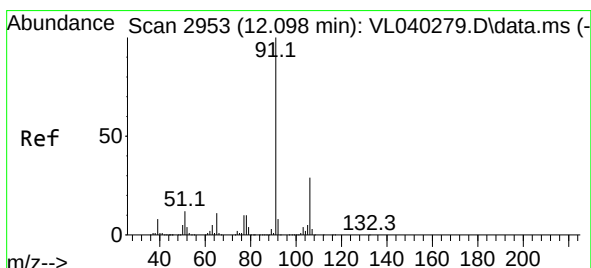
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Yesilyurt



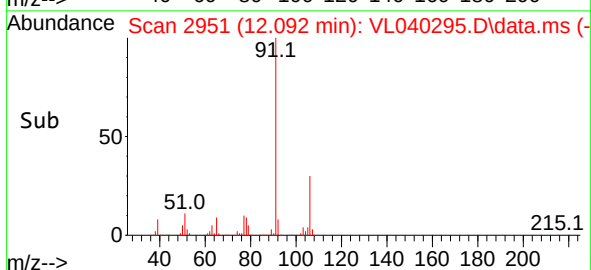
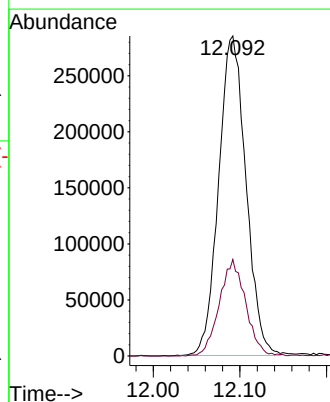
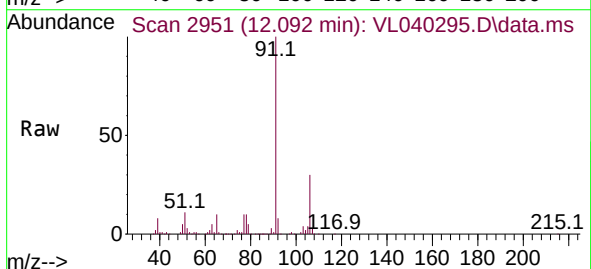
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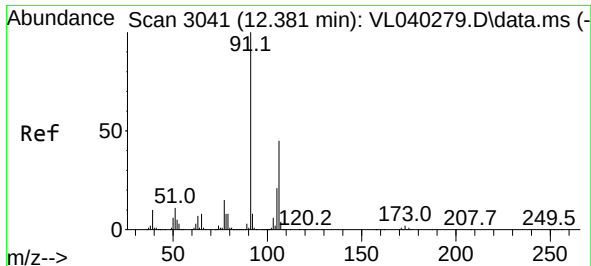
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#58
Ethyl Benzene
Concen: 2.147 ppbv
RT: 12.092 min Scan# 2951
Delta R.T. -0.006 min
Lab File: VL040295.D
Acq: 16 Mar 2023 14:27

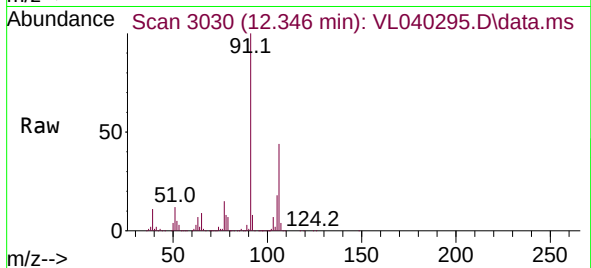
Tgt Ion: 91 Resp: 624481
Ion Ratio Lower Upper
91 100
106 30.2 23.4 35.2





#59
m/p-Xylene
Concen: 7.709 ppbv
RT: 12.346 min Scan# 3041
Delta R.T. -0.035 min
Lab File: VL040295.D
Acq: 16 Mar 2023 14:27

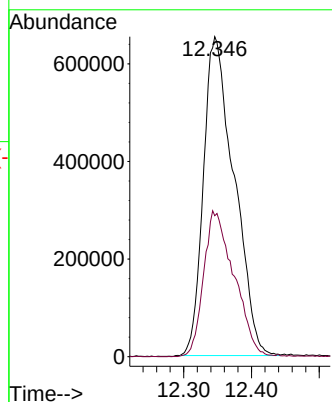
Instrument :
MSVOA_L
ClientSampleId :



Tgt Ion: 91 Resp: 205398
Ion Ratio Lower Upper
91 100
106 45.7 34.0 51.0

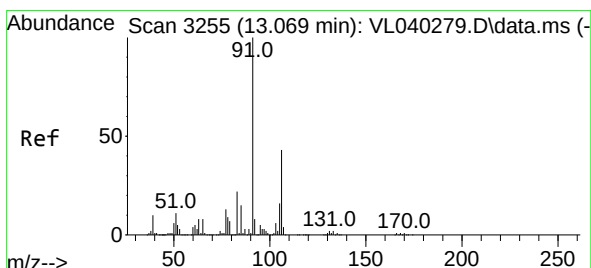
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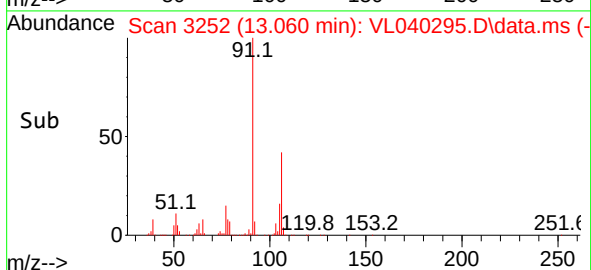
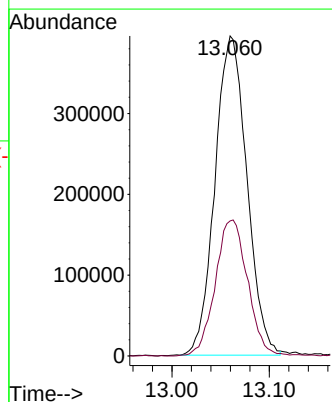
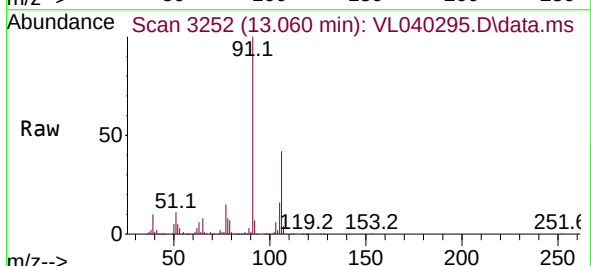
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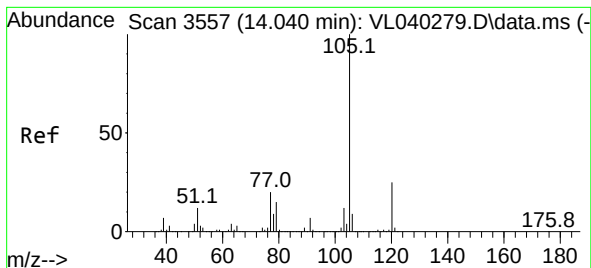
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#60
o-Xylene
Concen: 3.527 ppbv
RT: 13.060 min Scan# 3252
Delta R.T. -0.009 min
Lab File: VL040295.D
Acq: 16 Mar 2023 14:27

Tgt Ion: 91 Resp: 898336
Ion Ratio Lower Upper
91 100
106 43.3 21.7 65.1





#62

Isopropylbenzene

Concen: 0.169 ppbv

RT: 14.034 min Scan# 3555

Delta R.T. -0.006 min

Lab File: VL040295.D

Acq: 16 Mar 2023 14:27

Instrument :

MSVOA_L

ClientSampleId :

Tgt Ion:105 Resp: 61450

Ion Ratio Lower Upper

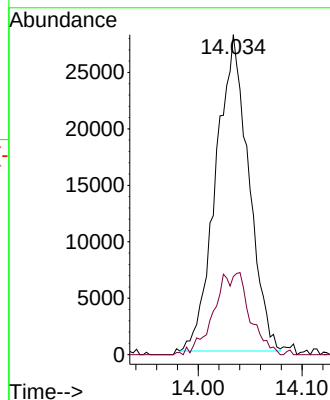
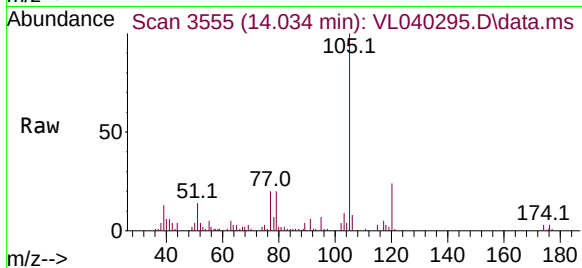
105 100

120 28.6 19.9 29.9

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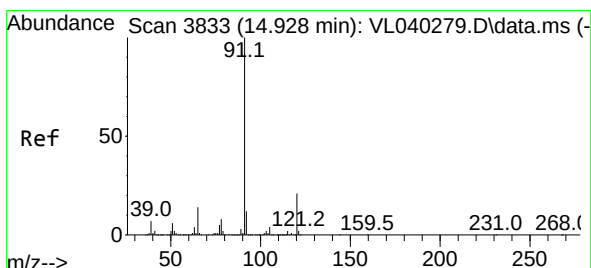
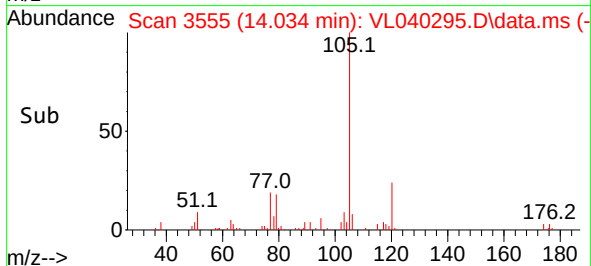
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#64

n-propylbenzene

Concen: 0.546 ppbv

RT: 14.924 min Scan# 3832

Delta R.T. -0.004 min

Lab File: VL040295.D

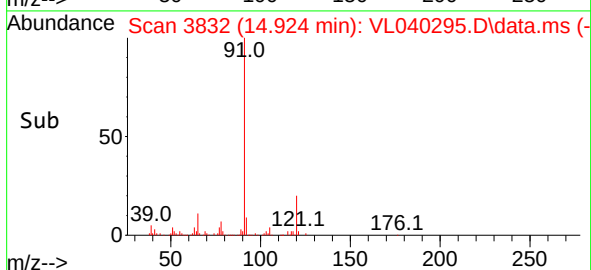
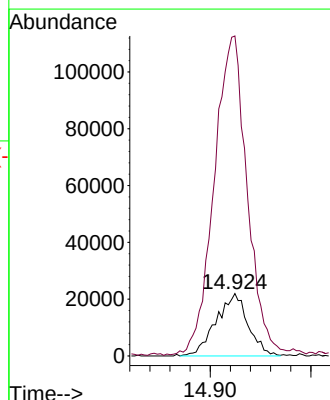
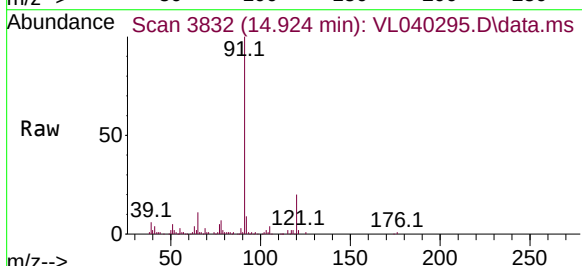
Acq: 16 Mar 2023 14:27

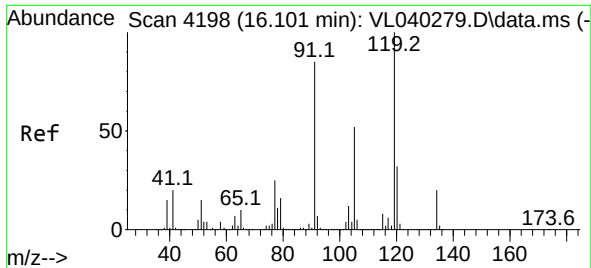
Tgt Ion:120 Resp: 48466

Ion Ratio Lower Upper

120 100

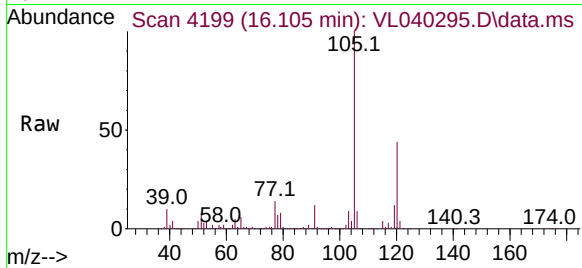
91 532.2 399.0 598.6





#65
tert-Butylbenzene
Concen: 0.349 ppbv m
RT: 16.105 min Scan# 4198
Delta R.T. 0.004 min
Lab File: VL040295.D
Acq: 16 Mar 2023 14:27

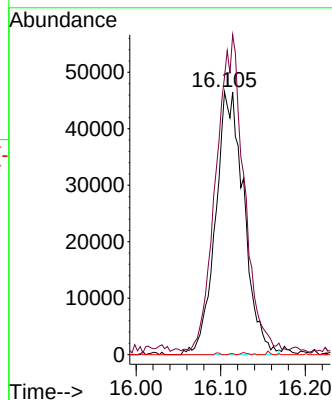
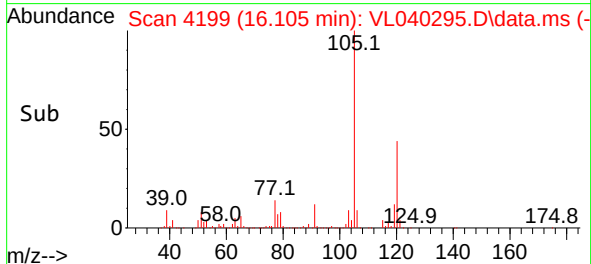
Instrument :
MSVOA_L
ClientSampleId :



Tgt Ion:119 Resp: 10905
Ion Ratio Lower Upper
119 100
91 120.7 69.4 104.2
134 0.0 15.8 23.6

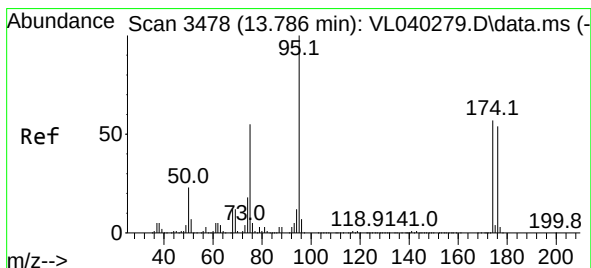
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Yesilyurt



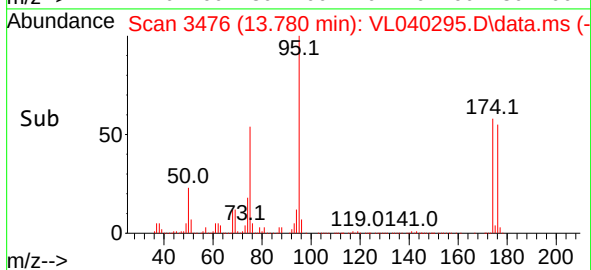
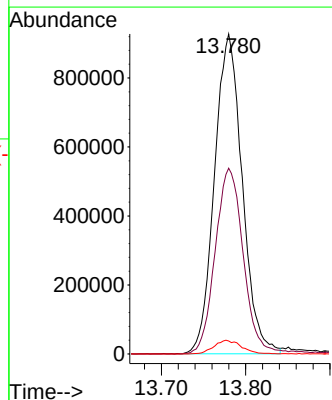
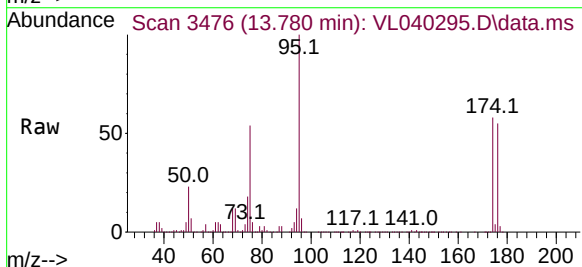
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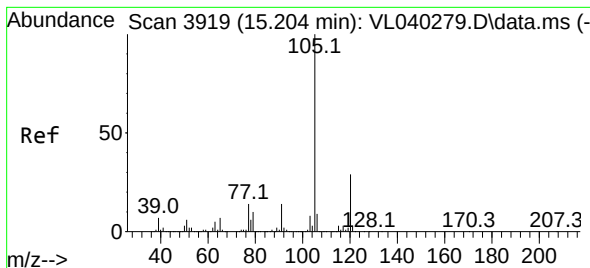
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#68
1-Bromo-4-Fluorobenzene
Concen: 9.908 ppbv
RT: 13.780 min Scan# 3476
Delta R.T. -0.006 min
Lab File: VL040295.D
Acq: 16 Mar 2023 14:27

Tgt Ion: 95 Resp: 2119413
Ion Ratio Lower Upper
95 100
174 59.9 47.0 70.6
175 4.3 3.4 5.2





#72

4-Ethyltoluene

Concen: 1.113 ppbv

RT: 15.198 min Scan# 3917

Delta R.T. -0.006 min

Lab File: VL040295.D

Acq: 16 Mar 2023 14:27

Instrument :

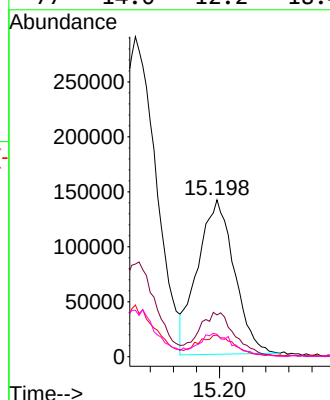
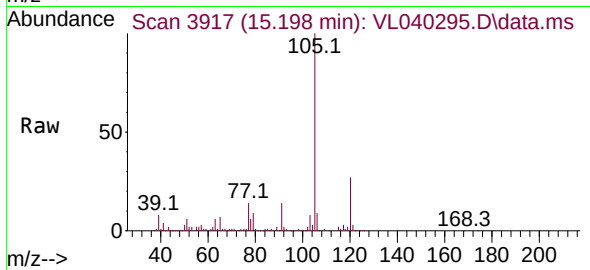
MSVOA_L

ClientSampleId :

Tgt Ion:	105	Resp:	309894
Ion Ratio	Lower	Upper	
105	100		
120	30.1	23.7	35.5
91	15.3	11.6	17.4
77	14.0	12.2	18.4

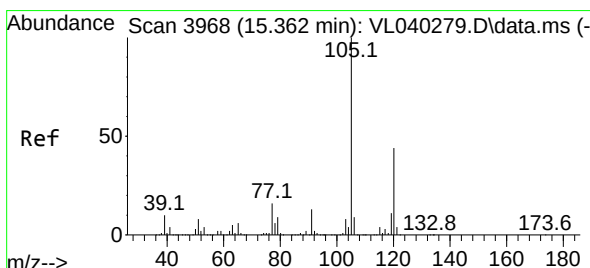
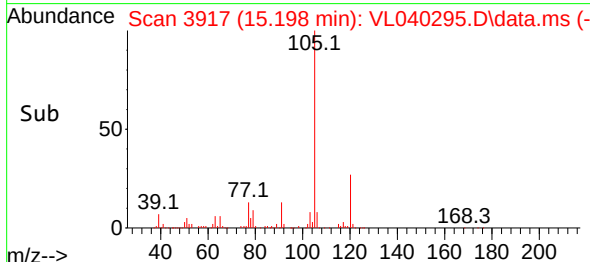
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#73

1,3,5-Trimethylbenzene

Concen: 1.015 ppbv

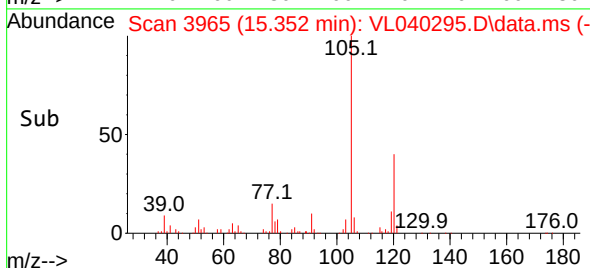
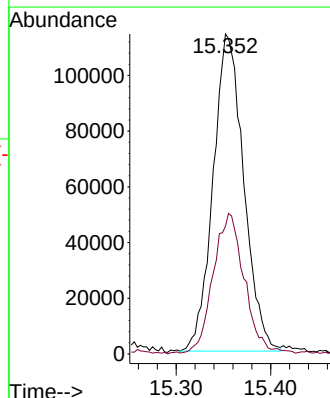
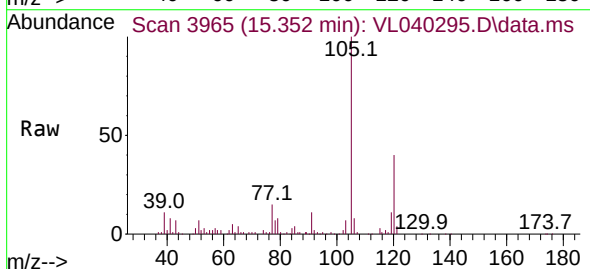
RT: 15.352 min Scan# 3965

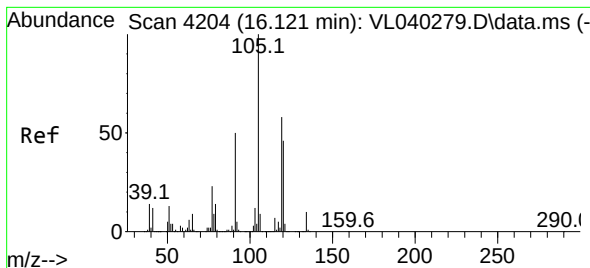
Delta R.T. -0.010 min

Lab File: VL040295.D

Acq: 16 Mar 2023 14:27

Tgt Ion:	105	Resp:	256107
Ion Ratio	Lower	Upper	
105	100		
120	40.0	34.9	52.3





#74

1,2,4-Trimethylbenzene

Concen: 3.619 ppbv

RT: 16.111 min Scan# 4204

Delta R.T. -0.010 min

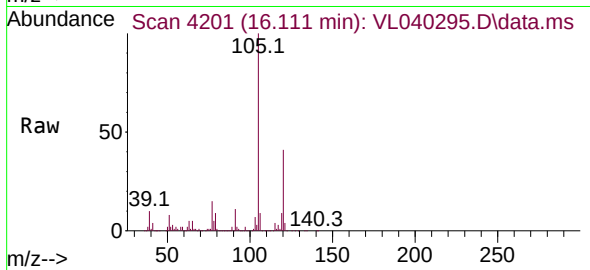
Lab File: VL040295.D

Acq: 16 Mar 2023 14:27

Instrument :

MSVOA_L

ClientSampleId :



Tgt Ion:105 Resp: 1041020

Ion Ratio Lower Upper

105 100

120 40.5 36.6 54.8

91 10.9 39.9 59.9

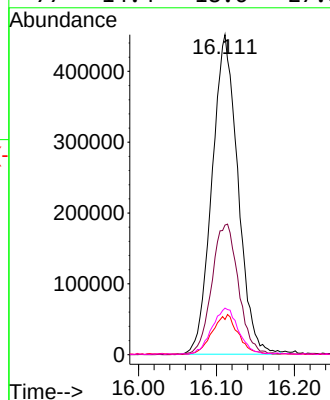
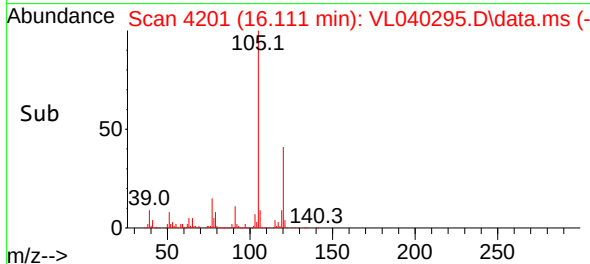
77 14.4 18.6 27.8

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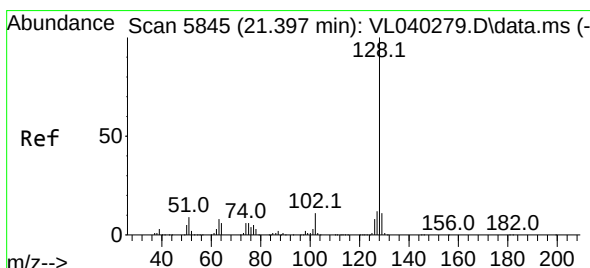


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#79

Naphthalene

Concen: 0.805 ppbv m

RT: 21.397 min Scan# 5845

Delta R.T. -0.000 min

Lab File: VL040295.D

Acq: 16 Mar 2023 14:27

Tgt Ion:128 Resp: 137001

Ion Ratio Lower Upper

128 100

127 10.2 9.6 14.4

129 11.3 8.6 13.0

