

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL062921\
 Data File : VL037254.D
 Acq On : 29 Jun 2021 18:16
 Operator : SY/AP
 Sample : M2887-04DL 10X
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SV-4DL

Manual Integrations
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Quant Time: Jun 30 10:15:47 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL061621AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Jun 1
 QLast Update : Wed Jun 16 14:06:32 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.66	49	1737221	10.00	ppbv	-0.01
33) 1,4-Difluorobenzene	7.17	114	4938607	10.00	ppbv	-0.02
55) Chlorobenzene-d5	12.08	117	4480533	10.00	ppbv	-0.02

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.40	95	3414300	10.06	ppbv	-0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	100.60%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
9) Propene	3.01	41	2288753	21.191	ppbv	92
10) Heptane	8.11	43	165589	0.633	ppbv	94
13) Ethanol	3.62	45	82559m	4.941	ppbv	
15) Acetone	3.84	43	2560630	13.071	ppbv	98
20) Methylene Chloride	4.34	84	779701	6.648	ppbv	99
26) Hexane	5.68	57	674095	3.145	ppbv #	43
30) Cyclohexane	7.12	84	31738m	0.178	ppbv	
34) 2-Butanone	5.24	43	1497629	7.797	ppbv	99
36) Benzene	6.88	78	237500	0.595	ppbv	96
51) 2-Hexanone	10.14	43	224011m	1.745	ppbv	
53) Toluene	9.79	91	287818	0.603	ppbv	99
59) m/p-Xylene	12.96	91	121846m	0.233	ppbv	
69) p-Isopropyltoluene	17.64	119	74095m	0.105	ppbv	
74) 1,2,4-Trimethylbenzene	16.75	105	67638m	0.120	ppbv	

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

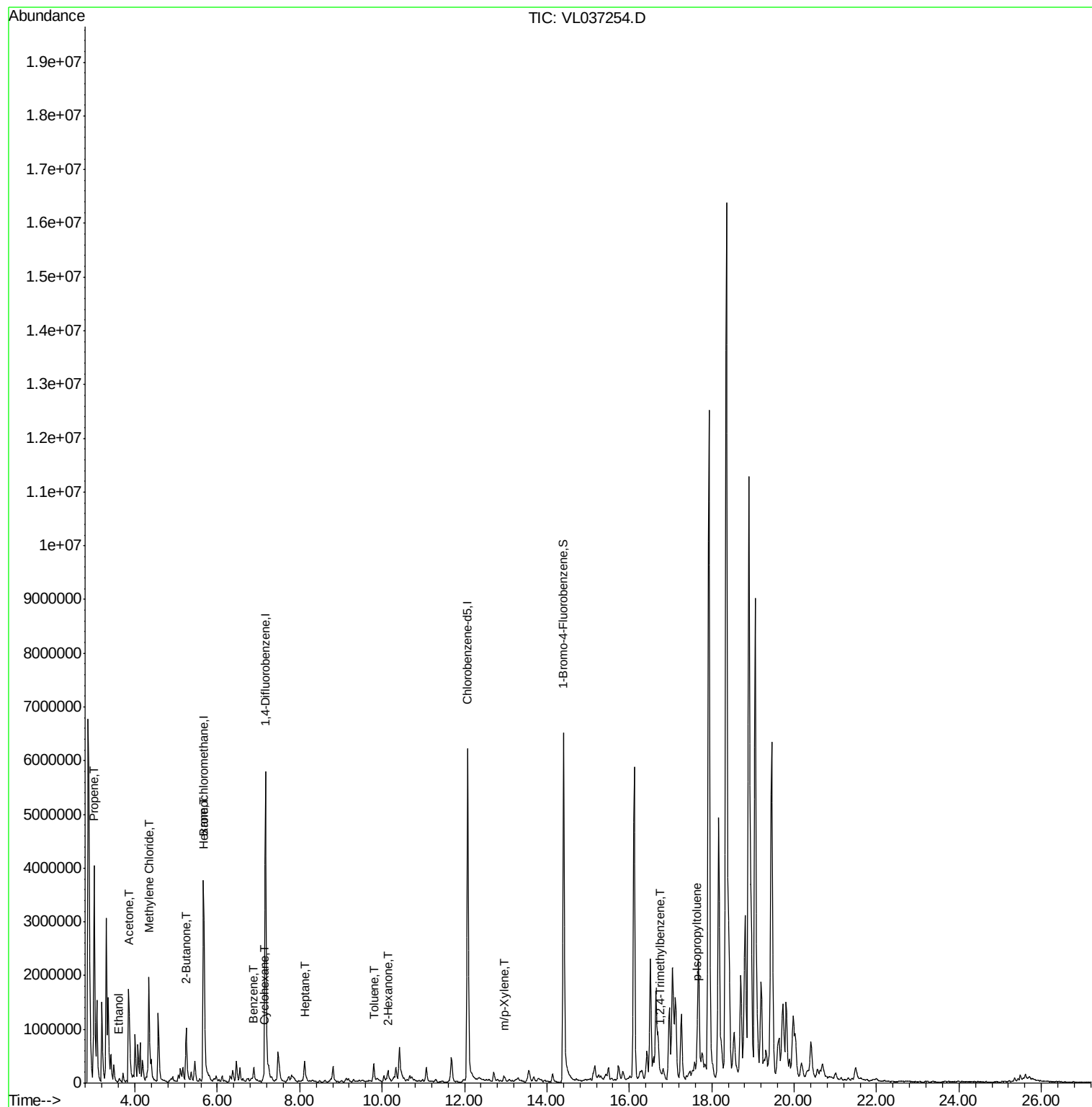
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL062921\
Data File : VL037254.D
Acq On : 29 Jun 2021 18:16
Operator : SY/AP
Sample : M2887-04DL 10X
Misc : 400mL/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

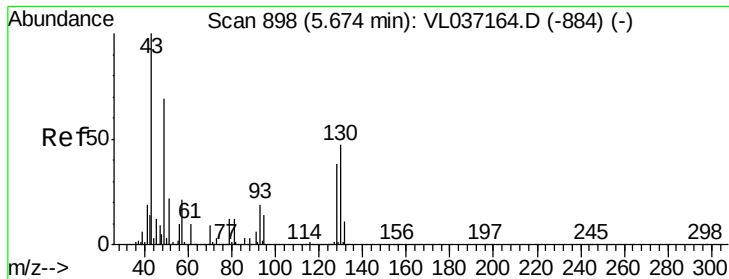
Instrument :
MSVOA_L
ClientSampleId :
SV-4DL

Manual Integrations
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Quant Time: Jun 30 10:15:47 2021
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL061621AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Jun
QLast Update : Wed Jun 16 14:06:32 2021
Response via : Initial Calibration





#1

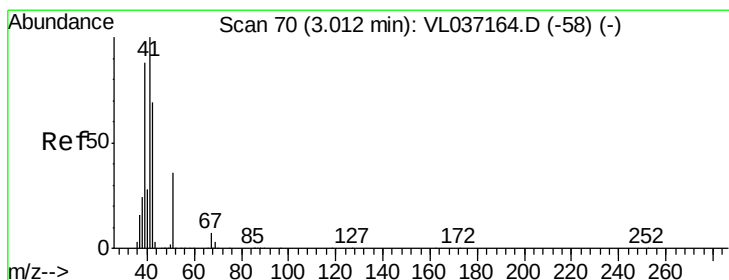
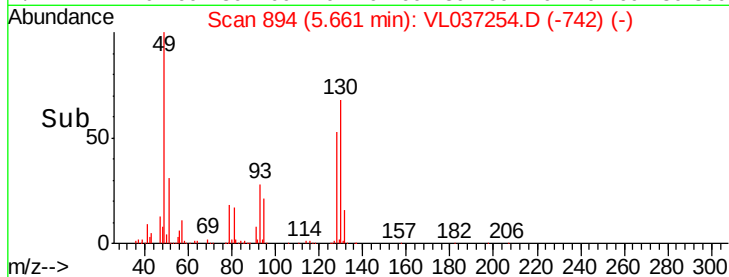
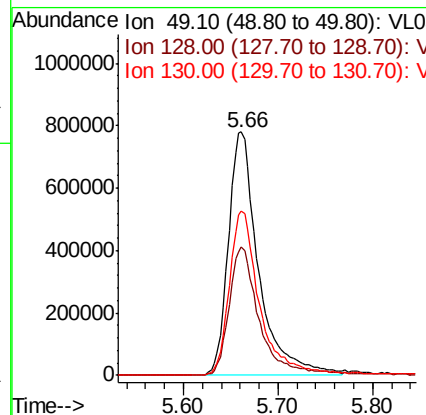
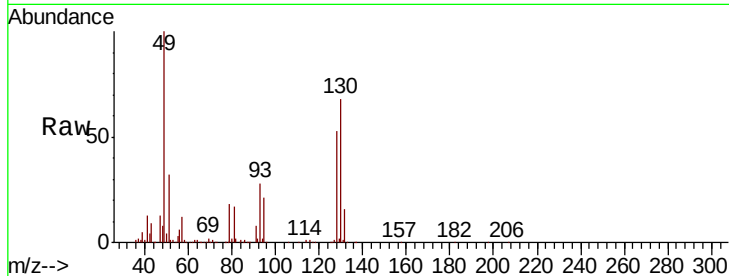
Bromochloromethane
 Concen: 10.000 ppbv
 RT: 5.66 min Scan# 894
 Delta R.T. -0.01 min
 Lab File: VL037254.D
 Acq: 29 Jun 2021 18:16

Instrument :
 MSVOA_L
 ClientSampled :
 SV-4DL

Tot Ion: 49 Resp: 1737221
 Ion Ratio Lower Upper
 49 100
 128 54.0 29.3 88.0
 130 70.1 35.9 107.8

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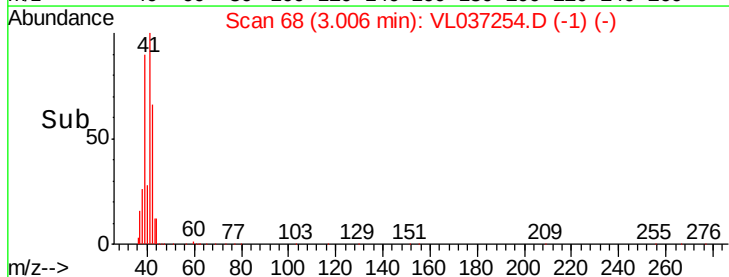
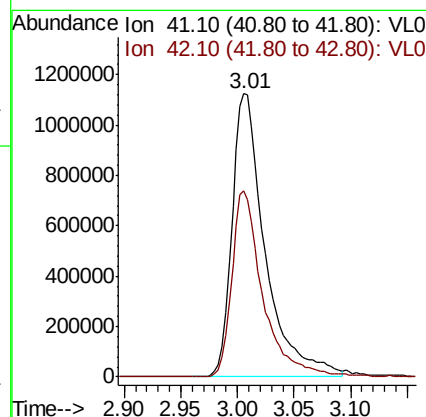
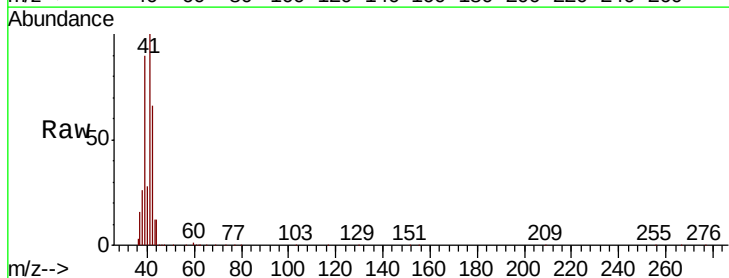
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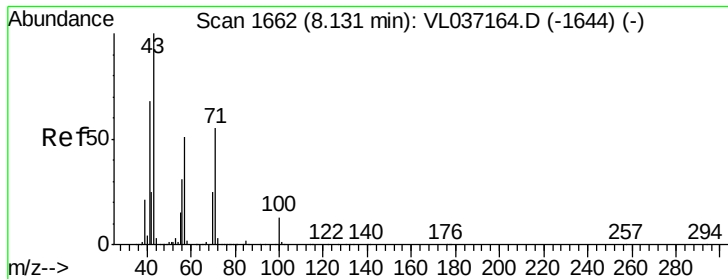


#9

Propene
 Concen: 21.191 ppbv
 RT: 3.01 min Scan# 68
 Delta R.T. -0.01 min
 Lab File: VL037254.D
 Acq: 29 Jun 2021 18:16

Tgt Ion: 41 Resp: 2288753
 Ion Ratio Lower Upper
 41 100
 42 62.0 54.5 81.7





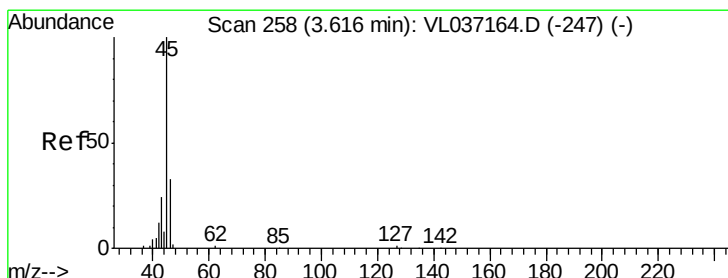
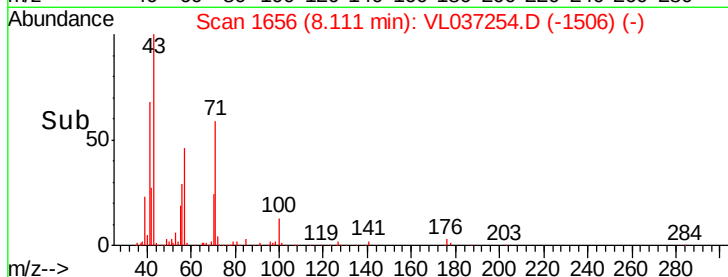
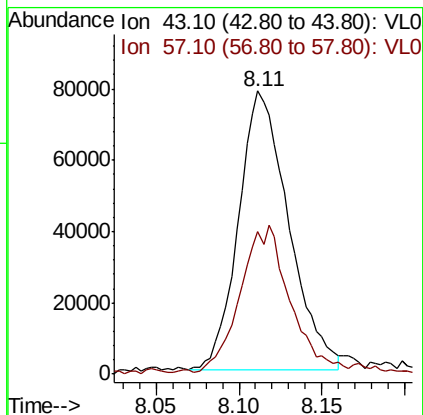
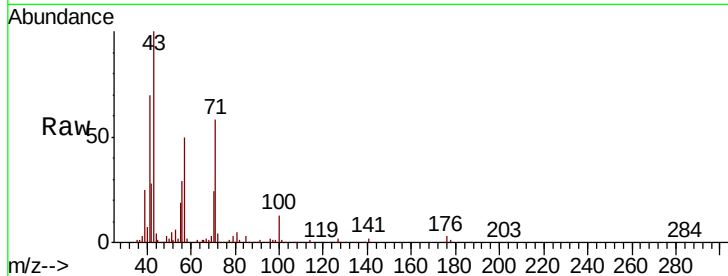
#10
Heptane
Concen: 0.633 ppbv
RT: 8.11 min Scan# 1656
Delta R.T. -0.02 min
Lab File: VL037254.D
Acq: 29 Jun 2021 18:16

Instrument :
MSVOA_L
ClientSampleId :
SV-4DL

Tot Ion: 43 Resp: 165589
Ion Ratio Lower Upper
43 100
57 54.7 40.6 61.0

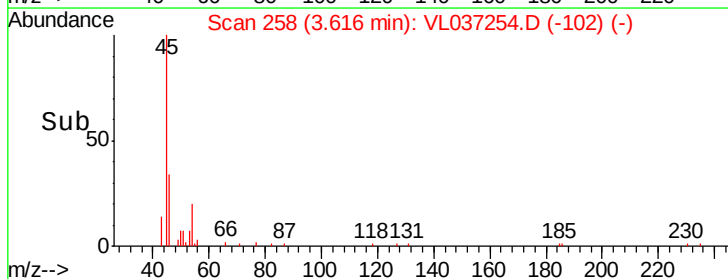
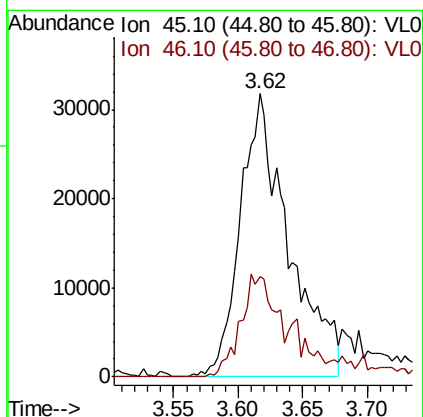
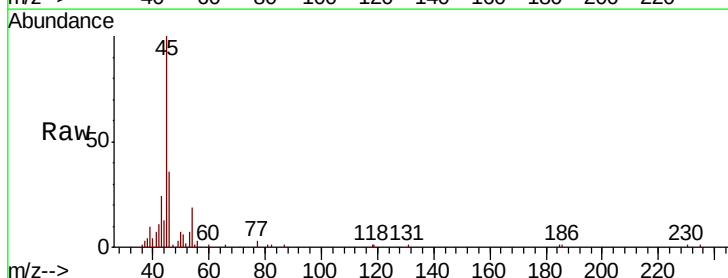
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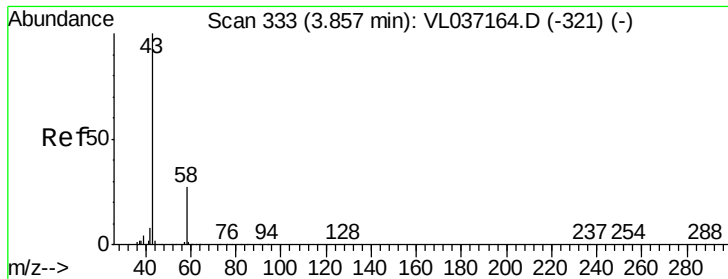
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#13
Ethanol
Concen: 4.941 ppbv m
RT: 3.62 min Scan# 258
Delta R.T. 0.00 min
Lab File: VL037254.D
Acq: 29 Jun 2021 18:16

Tgt Ion: 45 Resp: 82559
Ion Ratio Lower Upper
45 100
46 34.2 34.2 137.0#





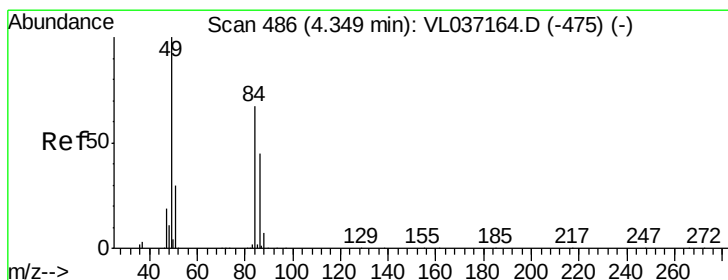
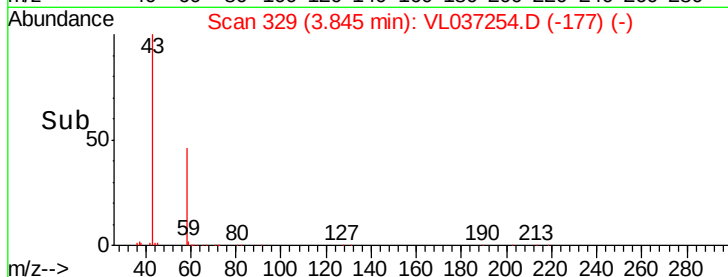
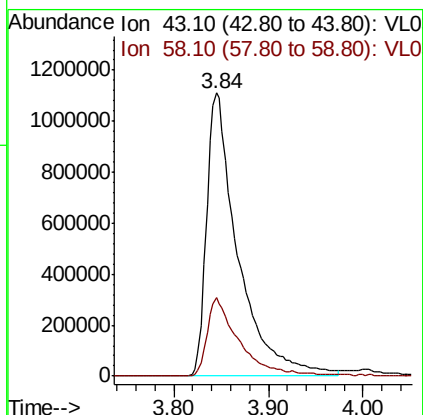
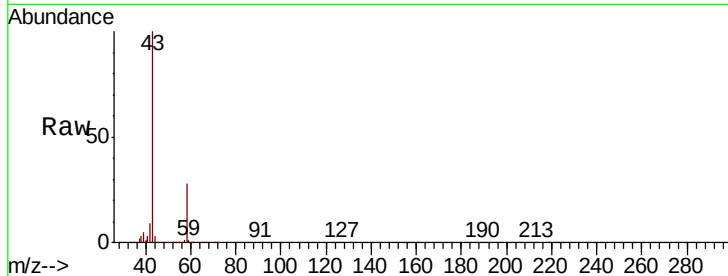
#15
Acetone
Concen: 13.071 ppbv
RT: 3.84 min Scan# 329
Delta R.T. -0.01 min
Lab File: VL037254.D
Acq: 29 Jun 2021 18:16

Instrument :
MSVOA_L
ClientSampleId :
SV-4DL

Tot Ion: 43 Resp: 2560630
Ion Ratio Lower Upper
43 100
58 28.3 23.7 35.5

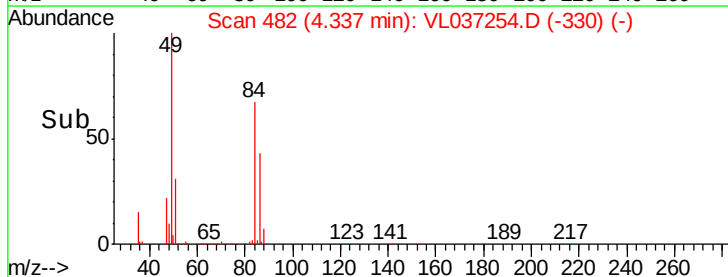
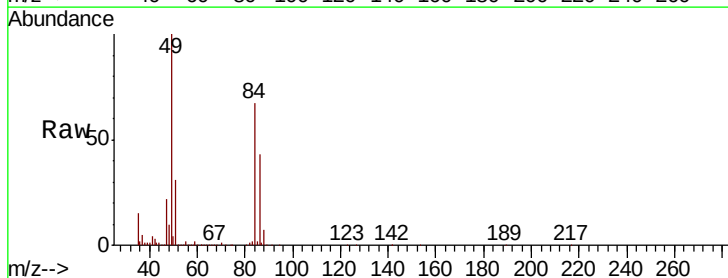
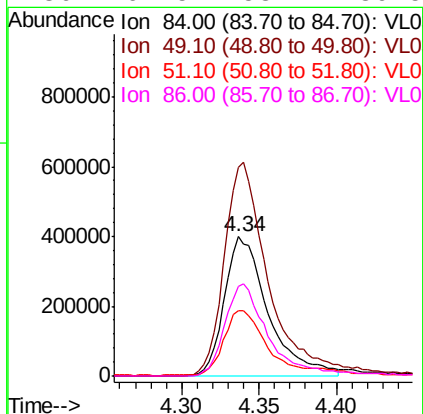
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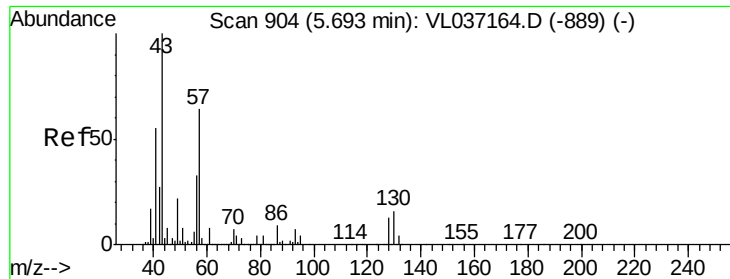
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#20
Methylene Chloride
Concen: 6.648 ppbv
RT: 4.34 min Scan# 482
Delta R.T. -0.01 min
Lab File: VL037254.D
Acq: 29 Jun 2021 18:16

Tgt Ion: 84 Resp: 779701
Ion Ratio Lower Upper
84 100
49 148.7 119.7 179.5
51 45.7 36.1 54.1
86 64.5 53.7 80.5





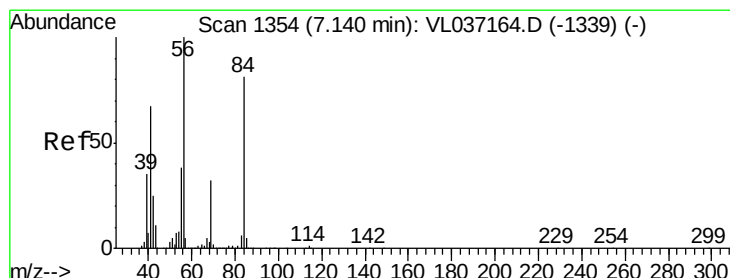
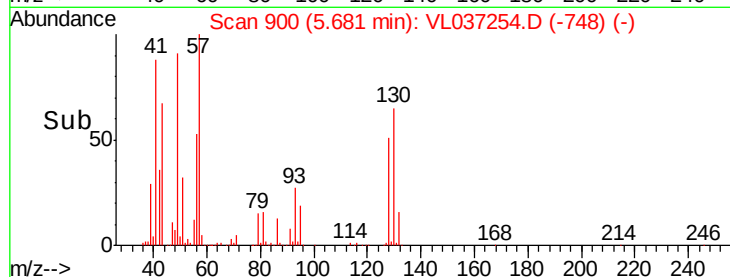
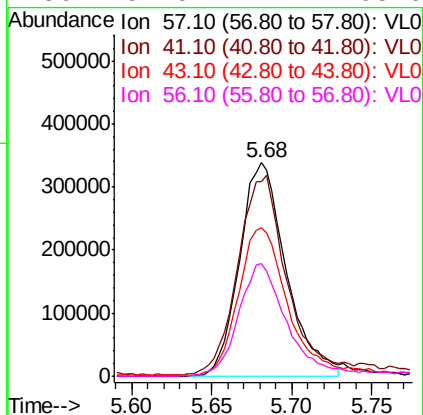
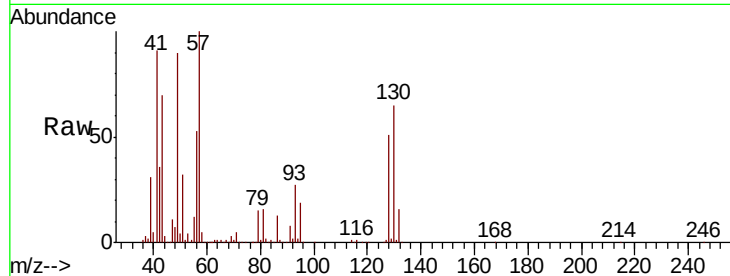
#26
Hexane
Concen: 3.145 ppbv
RT: 5.68 min Scan# 900
Delta R.T. -0.01 min
Lab File: VL037254.D
Acq: 29 Jun 2021 18:16

Instrument :
MSVOA_L
ClientSampled :
SV-4DL

Tot Ion	Ratio	Lower	Upper
57	100		
41	104.0	73.5	110.3
43	73.2	170.7	256.1#
56	57.0	42.4	63.6

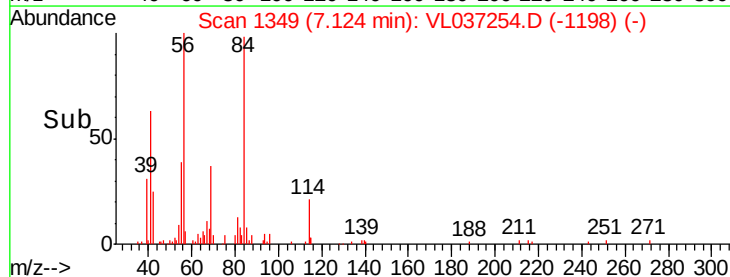
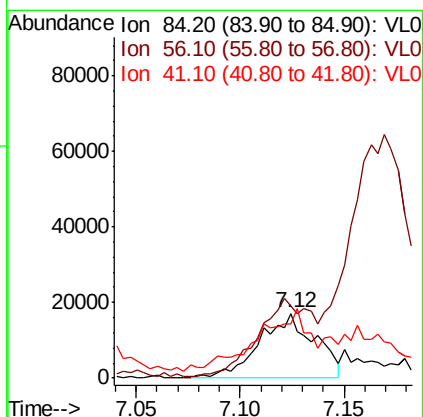
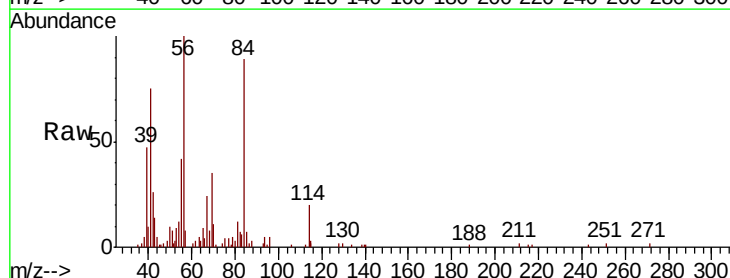
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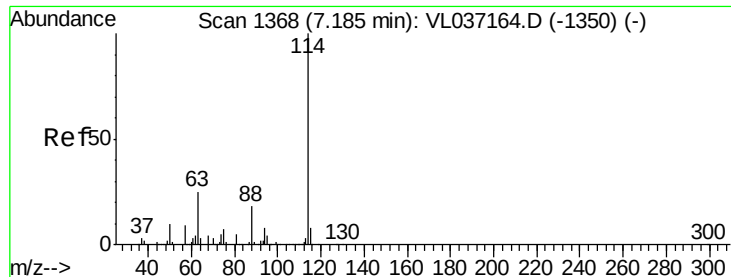
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#30
Cyclohexane
Concen: 0.178 ppbv m
RT: 7.12 min Scan# 1349
Delta R.T. -0.02 min
Lab File: VL037254.D
Acq: 29 Jun 2021 18:16

Tgt Ion	Ratio	Lower	Upper
84	100		
56	0.0	107.7	161.5#
41	106.0	69.0	103.6#





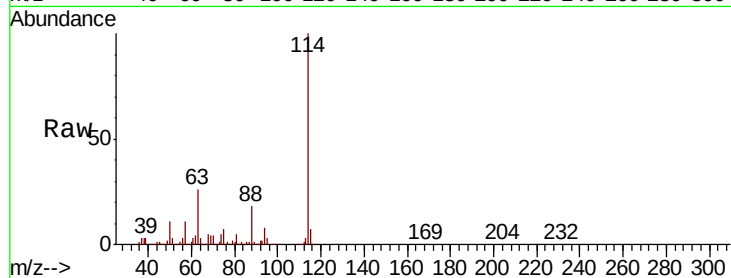
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.17 min Scan# 1363
 Delta R.T. -0.02 min
 Lab File: VL037254.D
 Acq: 29 Jun 2021 18:16

Instrument :
 MSVOA_L
 ClientSampled :
 SV-4DL

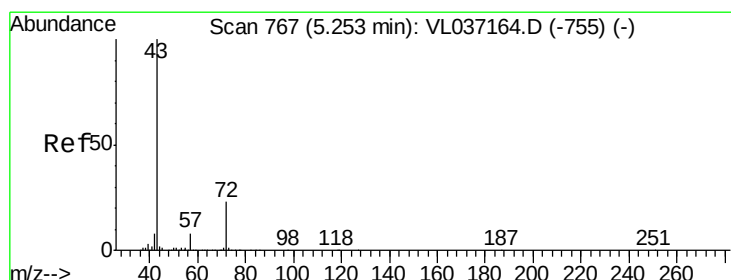
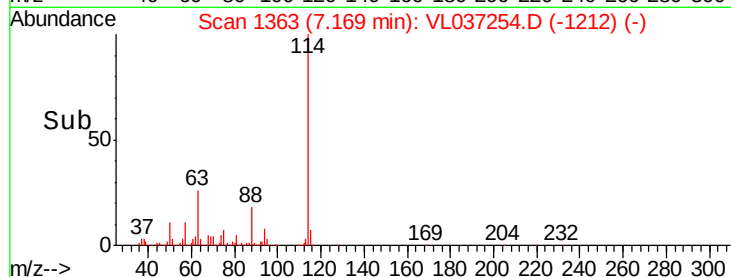
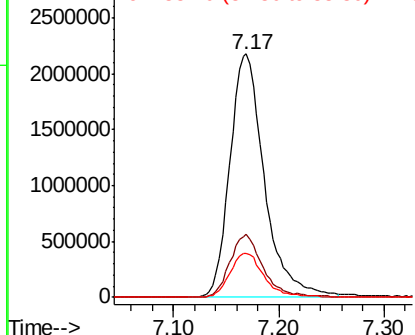
Tot Ion	Ratio	Lower	Upper
114	100		
63	25.2	19.6	29.4
88	18.3	14.2	21.2

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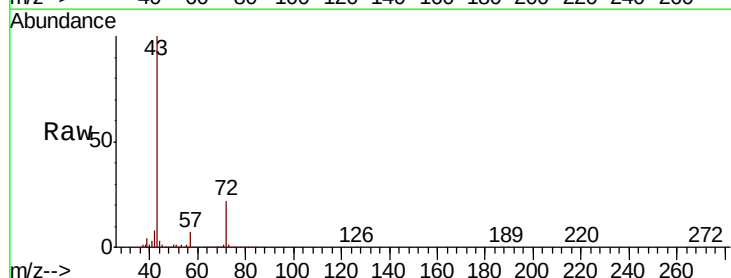


Abundance Ion 114.10 (113.80 to 114.80): VL0
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0

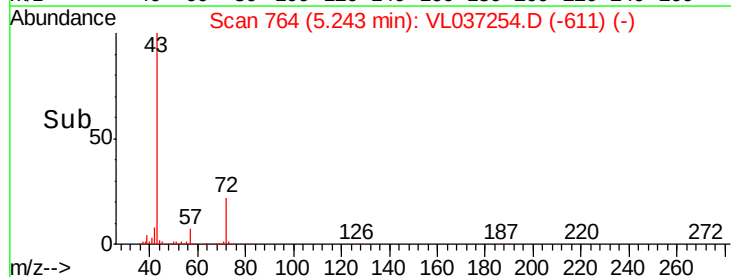
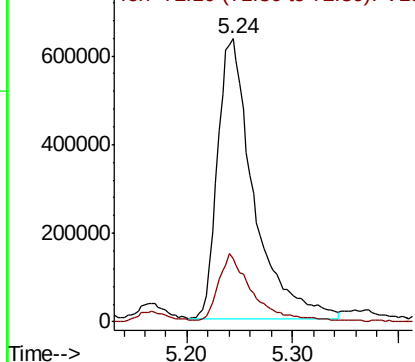


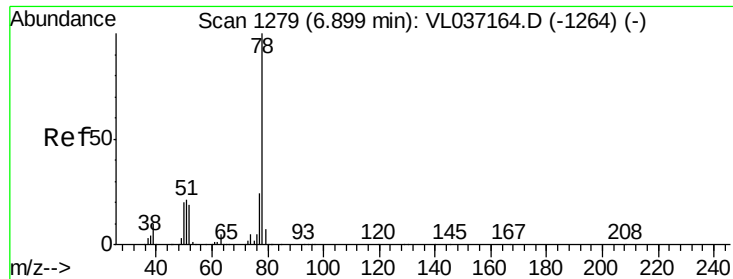
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 2-Butanone
 Concen: 7.797 ppbv
 RT: 5.24 min Scan# 764
 Delta R.T. -0.01 min
 Lab File: VL037254.D
 Acq: 29 Jun 2021 18:16

Tgt Ion	Ratio	Lower	Upper
43	100		
72	23.3	18.9	28.3



Abundance Ion 43.10 (42.80 to 43.80): VL0
 Ion 72.10 (71.80 to 72.80): VL0





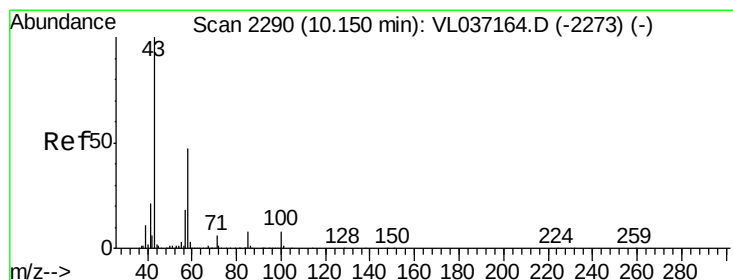
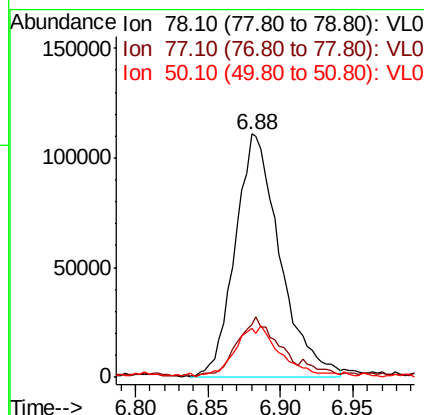
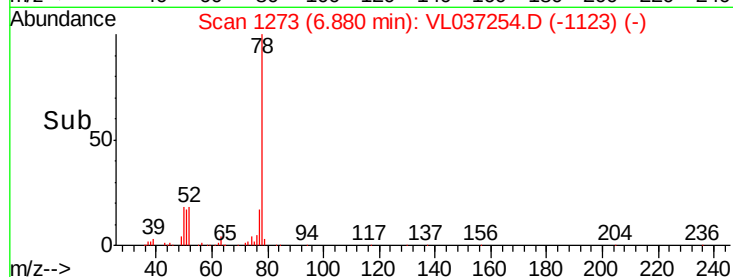
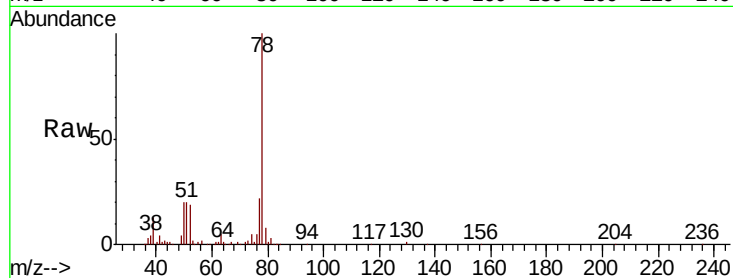
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Benzene
Concen: 0.595 ppbv
RT: 6.88 min Scan# 1273
Delta R.T. -0.02 min
Lab File: VL037254.D
Acq: 29 Jun 2021 18:16

Instrument :
MSVOA_L
ClientSampleId :
SV-4DL

Tot Ion	Ratio	Lower	Upper
78	100		
77	21.1	19.0	28.6
50	19.0	15.7	23.5

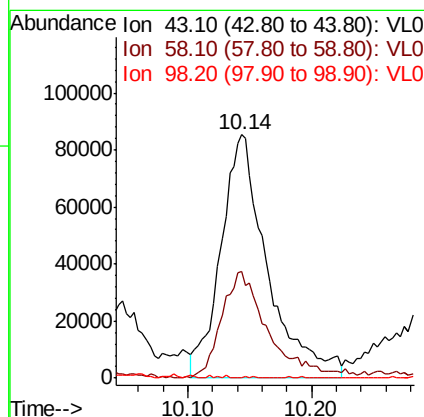
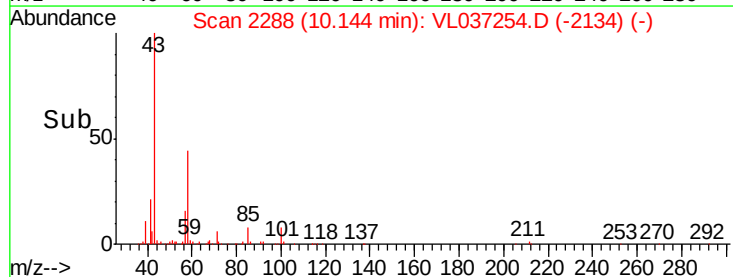
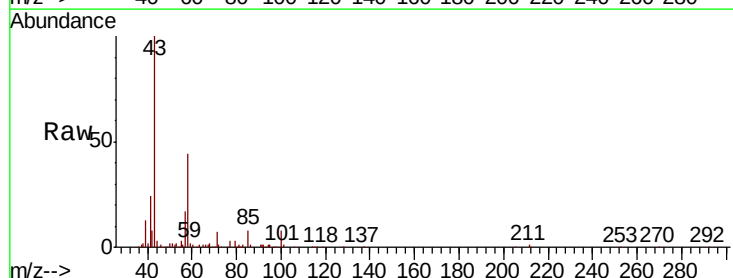
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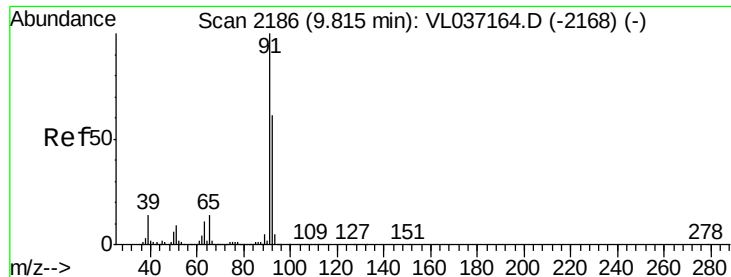
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#51
2-Hexanone
Concen: 1.745 ppbv m
RT: 10.14 min Scan# 2288
Delta R.T. -0.01 min
Lab File: VL037254.D
Acq: 29 Jun 2021 18:16

Tgt Ion	Ratio	Lower	Upper
43	100		
58	43.4	38.4	57.6
98	0.3	0.3	0.5





#53

Toluene

Concen: 0.603 ppbv

RT: 9.79 min Scan# 2179

Delta R.T. -0.02 min

Lab File: VL037254.D

Acq: 29 Jun 2021 18:16

Instrument :

MSVOA_L

ClientSampled :

SV-4DL

Tot Ion: 91 Resp: 287818

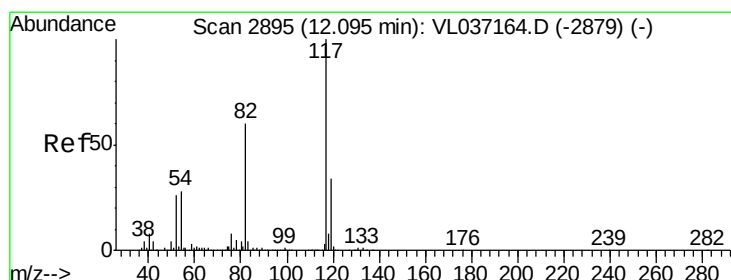
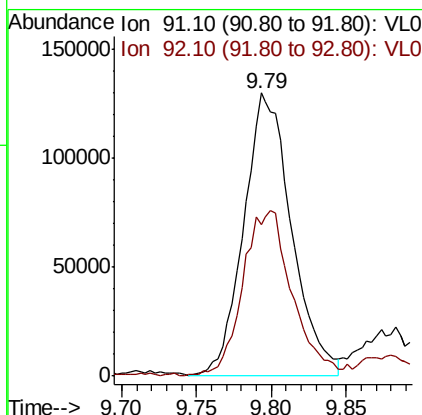
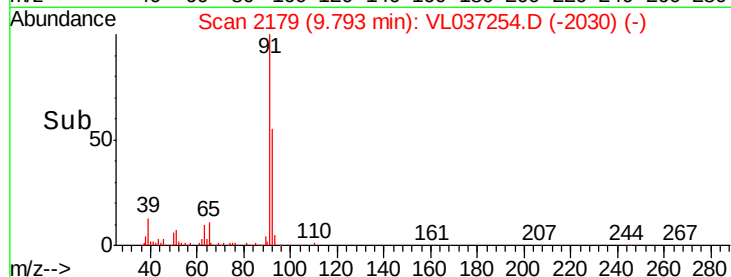
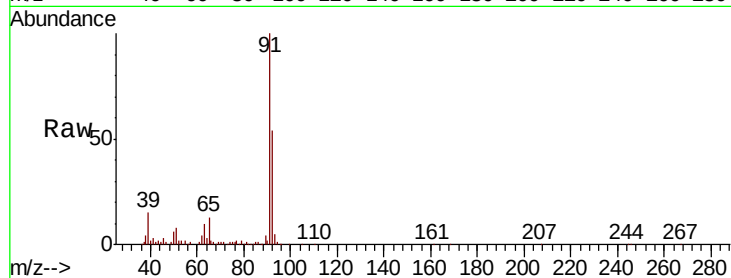
Ion Ratio Lower Upper

91 100

92 60.9 48.3 72.5

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#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.08 min Scan# 2889

Delta R.T. -0.02 min

Lab File: VL037254.D

Acq: 29 Jun 2021 18:16

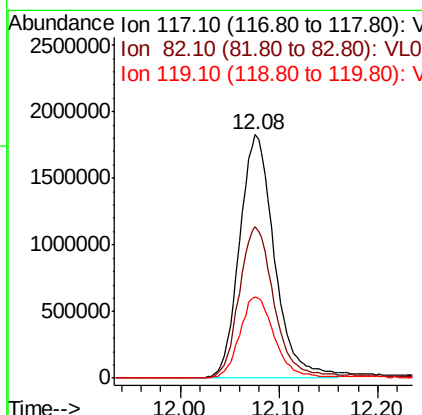
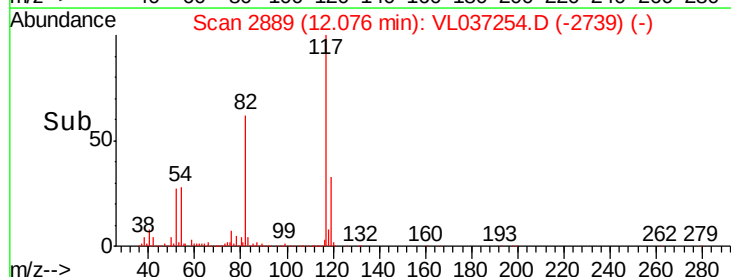
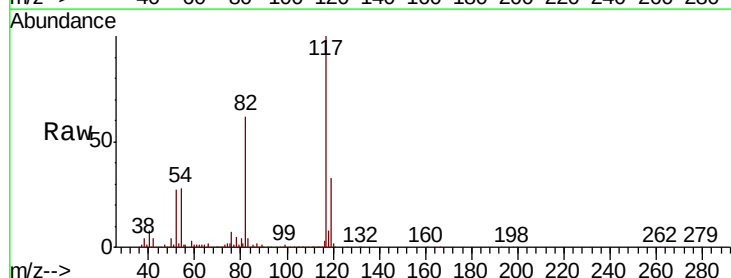
Tgt Ion: 117 Resp: 4480533

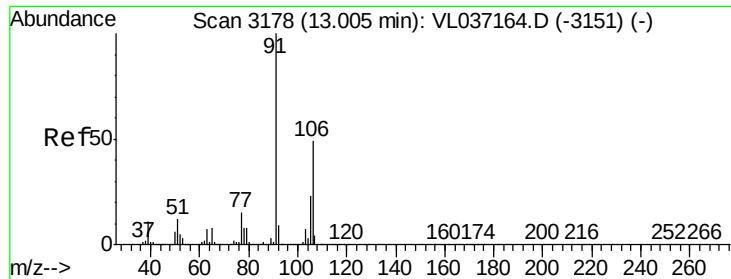
Ion Ratio Lower Upper

117 100

82 65.3 51.7 77.5

119 34.6 47.6 71.4#





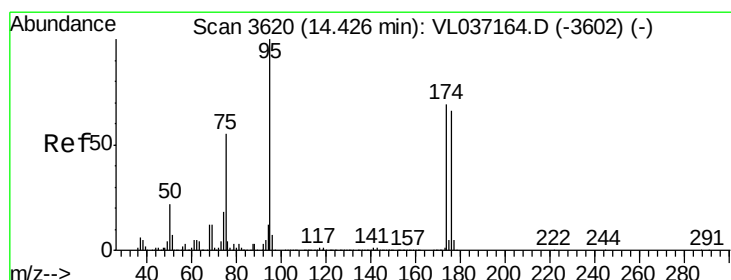
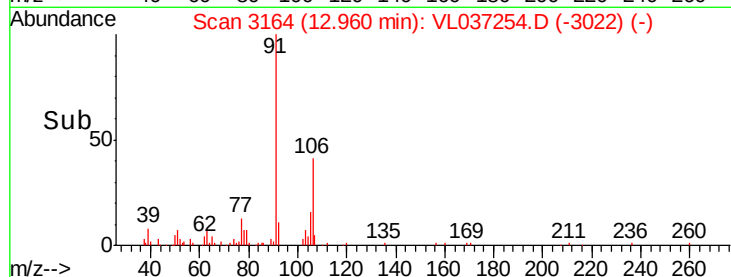
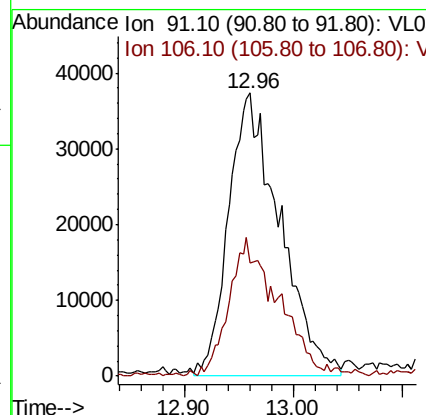
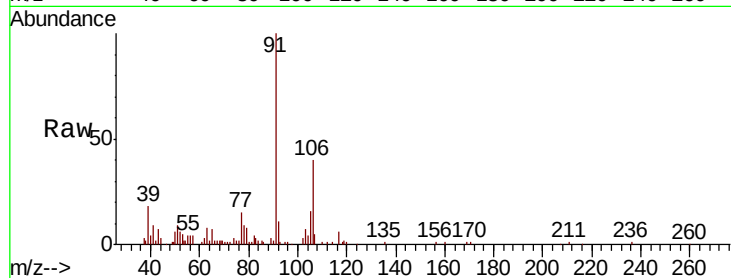
#59
m/p-Xylene
Concen: 0.233 ppbv m
RT: 12.96 min Scan# 3164
Delta R.T. -0.04 min
Lab File: VL037254.D
Acq: 29 Jun 2021 18:16

Instrument :
MSVOA_L
ClientSampled :
SV-4DL

Tot Ion: 91 Resp: 121846
Ion Ratio Lower Upper
91 100
106 0.0 37.0 55.4#

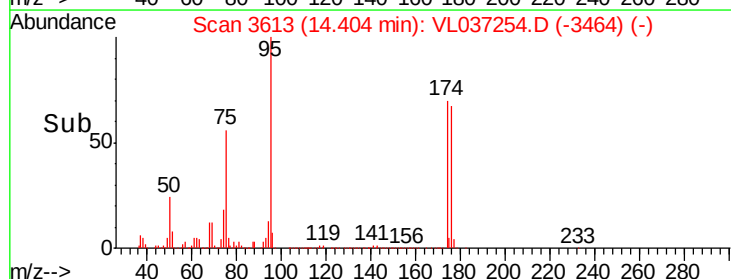
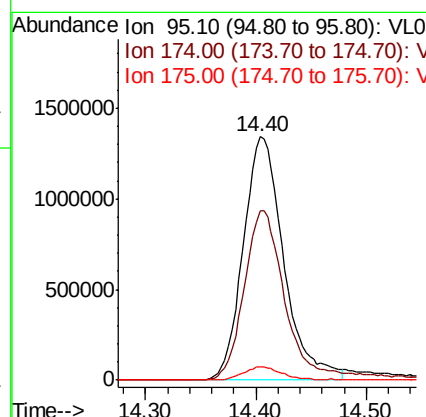
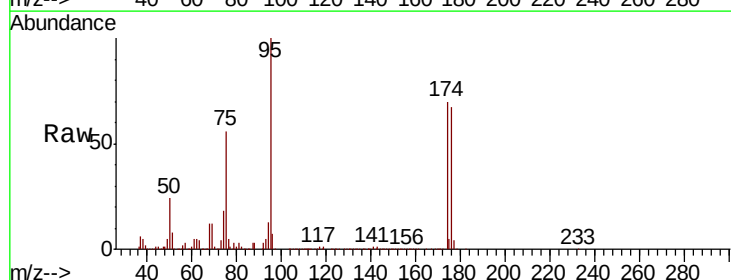
Manual Integrations
APPROVED

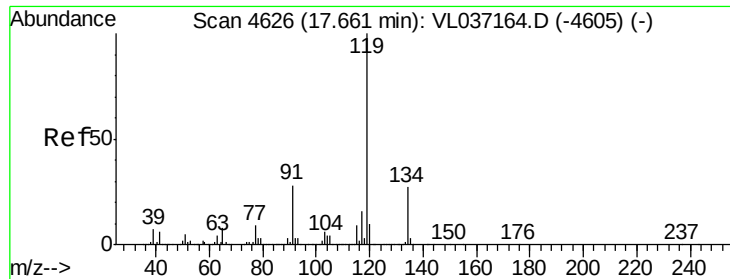
MMDadoda
7/5/2021 3:38:32 PM



#68
1-Bromo-4-Fluorobenzene
Concen: 10.056 ppbv
RT: 14.40 min Scan# 3613
Delta R.T. -0.02 min
Lab File: VL037254.D
Acq: 29 Jun 2021 18:16

Tgt Ion: 95 Resp: 3414300
Ion Ratio Lower Upper
95 100
174 73.9 57.0 85.4
175 5.6 4.4 6.6





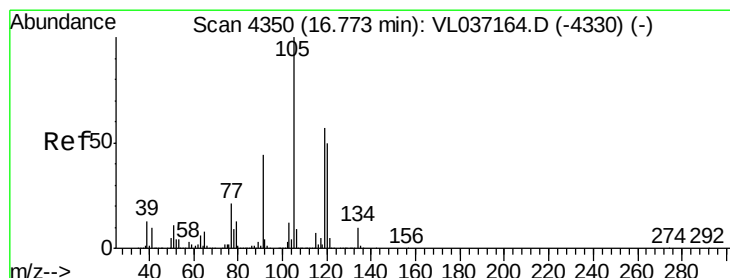
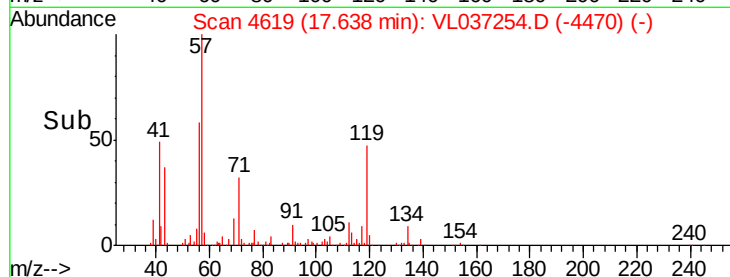
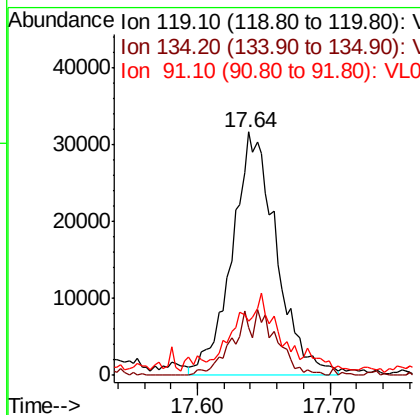
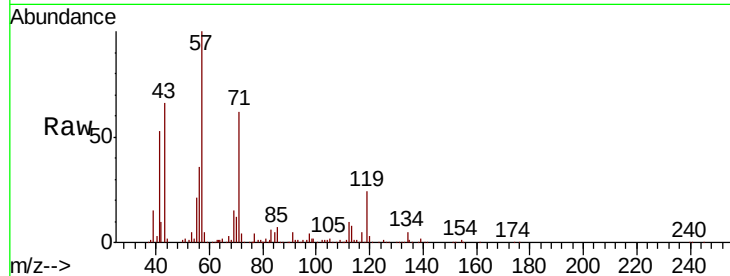
#69
 p-Isopropyltoluene
 Concen: 0.105 ppbv m
 RT: 17.64 min Scan# 4619
 Delta R.T. -0.02 min
 Lab File: VL037254.D
 Acq: 29 Jun 2021 18:16

Instrument :
 MSVOA_L
 ClientSampleId :
 SV-4DL

Tot Ion	Ratio	Resp	Lower	Upper
119	100	74095		
134	0.0	20.9	31.3#	
91	0.0	22.6	34.0#	

Manual Integrations
 APPROVED

MMDadoda
 7/5/2021 3:38:32 PM



#74
 1,2,4-Trimethylbenzene
 Concen: 0.120 ppbv m
 RT: 16.75 min Scan# 4342
 Delta R.T. -0.03 min
 Lab File: VL037254.D
 Acq: 29 Jun 2021 18:16

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	67638		
120	37.2	39.8	59.8#	
91	15.9	37.0	55.4#	
77	14.3	17.0	25.4#	

