

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL062921\
 Data File : VL037257.D
 Acq On : 29 Jun 2021 20:11
 Operator : SY/AP
 Sample : M2887-05DL 10X
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SV-5DL

Manual Integrations
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 7/5/2021 3:38:45 PM

Quant Time: Jun 30 10:26:01 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL061621AIR.M
 Quant Title : AIR ANALYSIS BY METHOD T0-15 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	1626107	10.00	ppbv	-0.01
33) 1,4-Difluorobenzene	7.17	114	4860716	10.00	ppbv	-0.02
55) Chlorobenzene-d5	12.08	117	4311205	10.00	ppbv	-0.02

System Monitoring Compounds		R.T.	QIon	Response	Conc	Units	Dev(Min)
68) 1-Bromo-4-Fluorobenzene	14.41	95	3282226	10.05	ppbv	-0.02	
Spiked Amount	10.000	Range	65 - 135	Recovery	=	100.50%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
9) Propene	3.01	41	3938029	38.952	ppbv	93
10) Heptane	8.11	43	195562	0.799	ppbv	95
13) Ethanol	3.62	45	57054m	3.648	ppbv	
15) Acetone	3.85	43	1278879m	6.974	ppbv	
20) Methylene Chloride	4.34	84	878815	8.005	ppbv	96
26) Hexane	5.68	57	792446	3.950	ppbv #	43
30) Cyclohexane	7.12	84	35840m	0.214	ppbv	
34) 2-Butanone	5.25	43	591418	3.129	ppbv	97
36) Benzene	6.88	78	386560	0.983	ppbv	94
52) Tetrachloroethene	11.22	164	6066m	0.033	ppbv	
53) Toluene	9.80	91	355960	0.758	ppbv	97
58) Ethyl Benzene	12.71	91	70827m	0.119	ppbv	
59) m/p-Xylene	12.97	91	142180m	0.283	ppbv	
60) o-Xylene	13.68	91	53167m	0.111	ppbv	
74) 1,2,4-Trimethylbenzene	16.75	105	64353	0.119	ppbv #	65

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

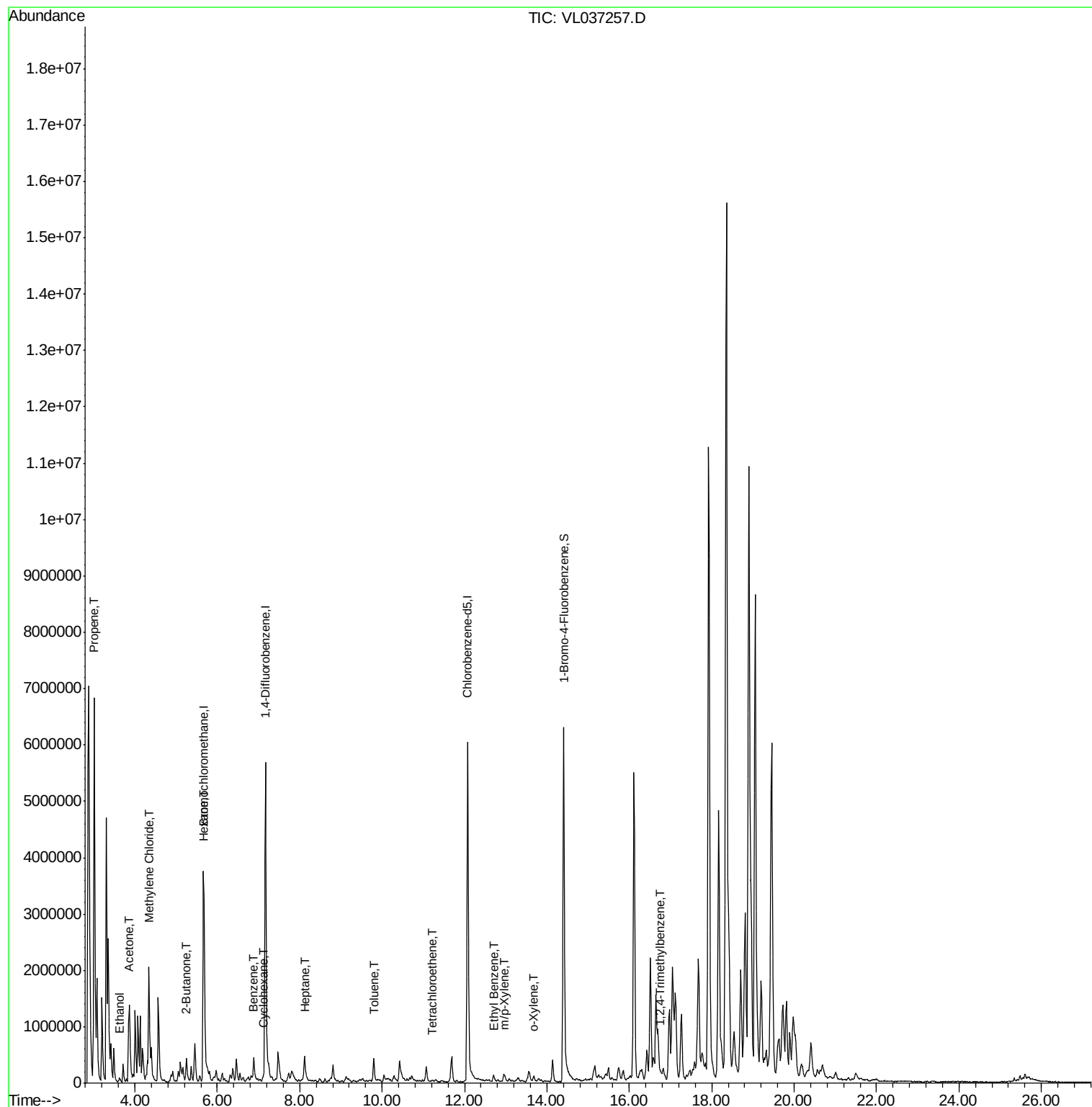
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL062921\
Data File : VL037257.D
Acq On : 29 Jun 2021 20:11
Operator : SY/AP
Sample : M2887-05DL 10X
Misc : 400mL/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

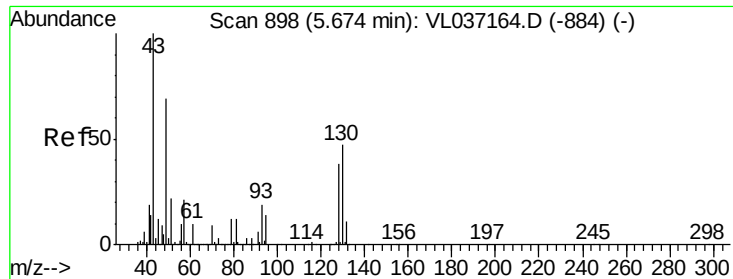
Instrument :
MSVOA_L
ClientSampleId :
SV-5DL

Manual Integrations
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Quant Time: Jun 30 10:26:01 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: VL037257.D

Acq: 29 Jun 2021 20:11

Instrument :

MSVOA_L

ClientSampled :

SV-5DL

Tot Ion: 49 Resp: 1626107

Ion Ratio Lower Upper

49 100

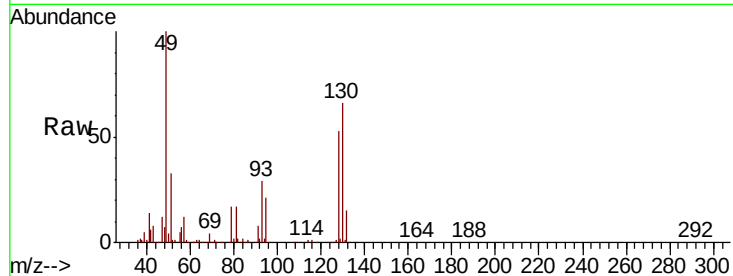
128 57.5 29.3 88.0

130 72.1 35.9 107.8

Manual Integrations
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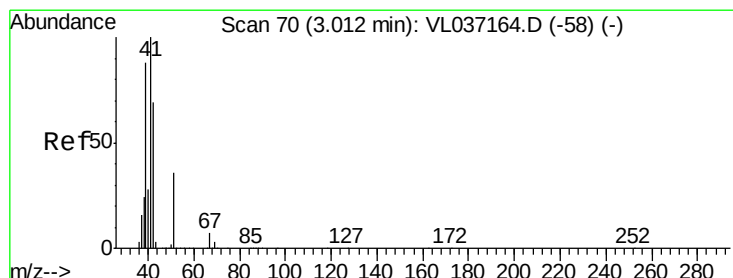
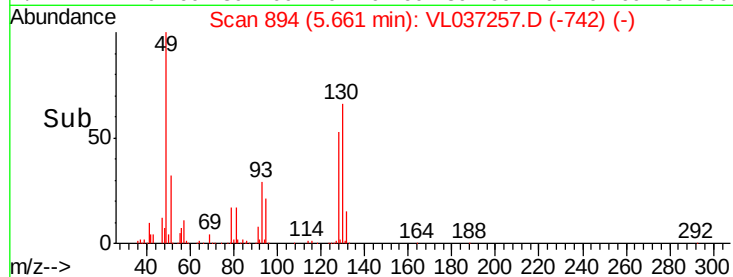
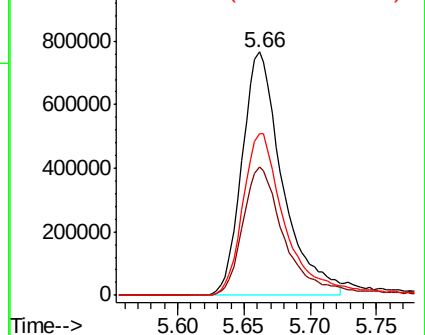
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Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V



#9

Propene

Concen: 38.952 ppbv

RT: 3.01 min Scan# 69

Delta R.T. -0.00 min

Lab File: VL037257.D

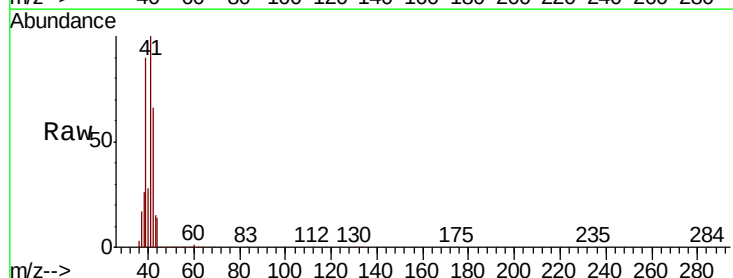
Acq: 29 Jun 2021 20:11

Tgt Ion: 41 Resp: 3938029

Ion Ratio Lower Upper

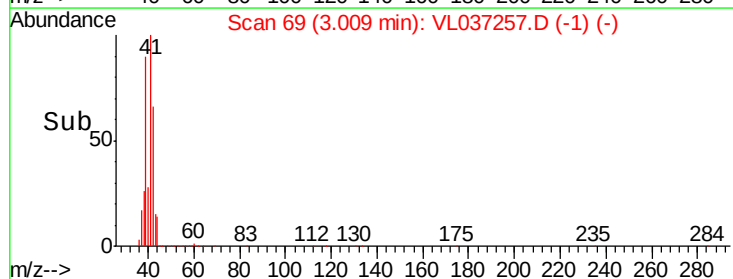
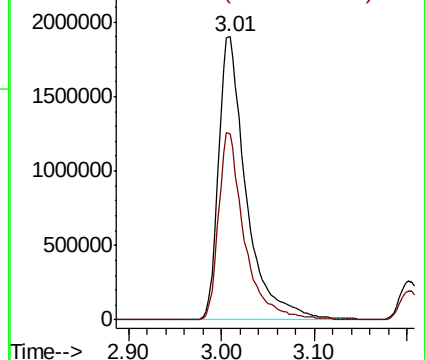
41 100

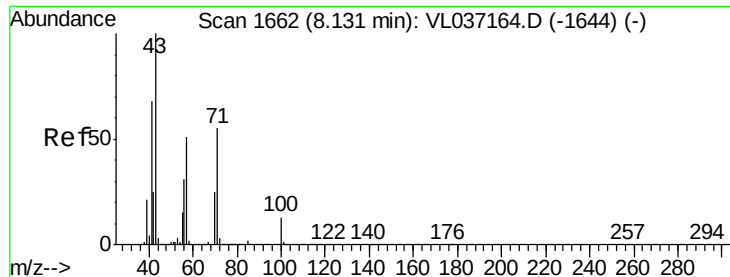
42 62.1 54.5 81.7



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0





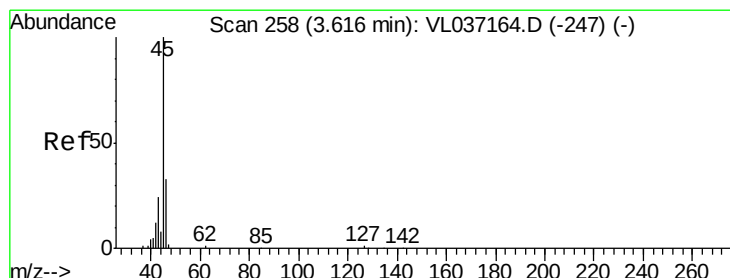
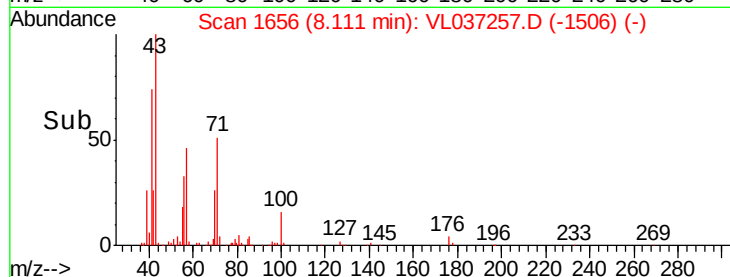
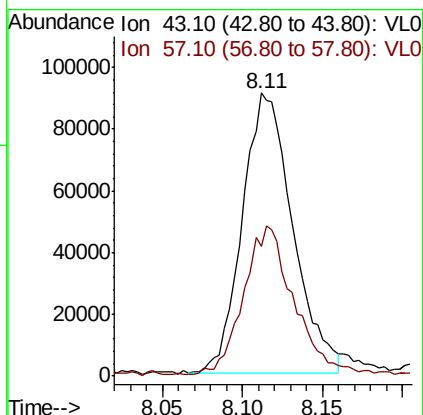
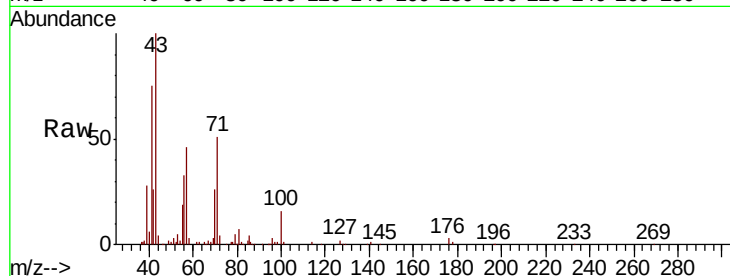
#10
Heptane
Concen: 0.799 ppbv
RT: 8.11 min Scan# 1656
Delta R.T. -0.02 min
Lab File: VL037257.D
Acq: 29 Jun 2021 20:11

Instrument :
MSVOA_L
ClientSampled :
SV-5DL

Tot Ion	43	Resp	195562
Ion Ratio	100	Lower	Upper
43	100		
57	54.3	40.6	61.0

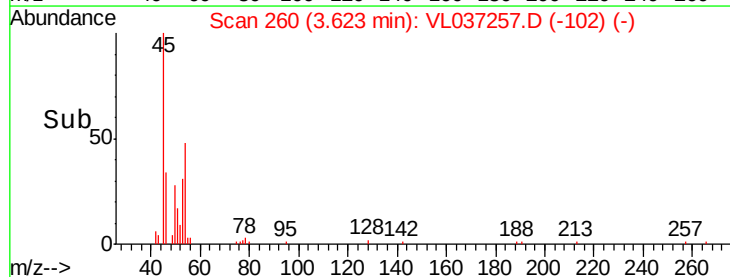
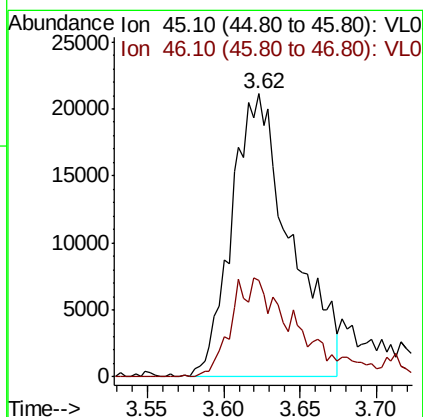
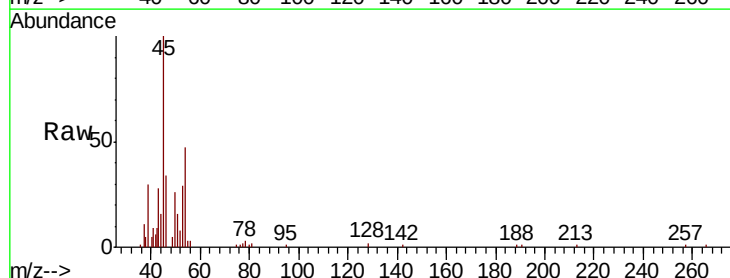
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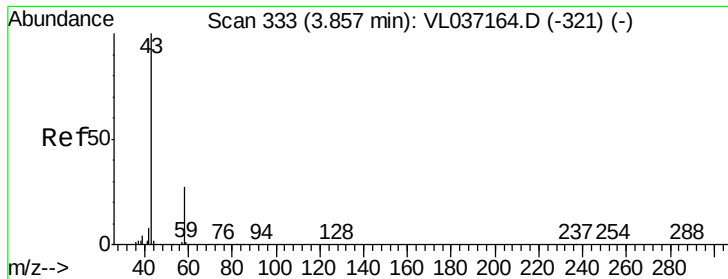
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#13
Ethanol
Concen: 3.648 ppbv m
RT: 3.62 min Scan# 260
Delta R.T. 0.01 min
Lab File: VL037257.D
Acq: 29 Jun 2021 20:11

Tgt Ion	45	Resp	57054
Ion Ratio	100	Lower	Upper
45	100		
46	0.0	34.2	137.0#





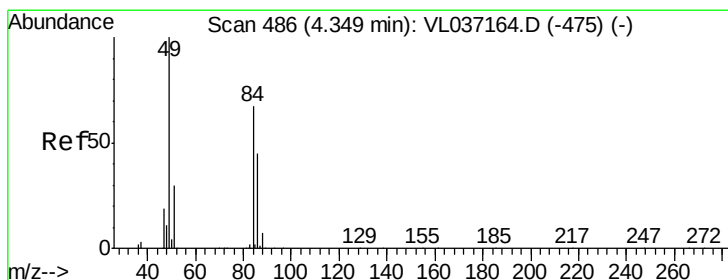
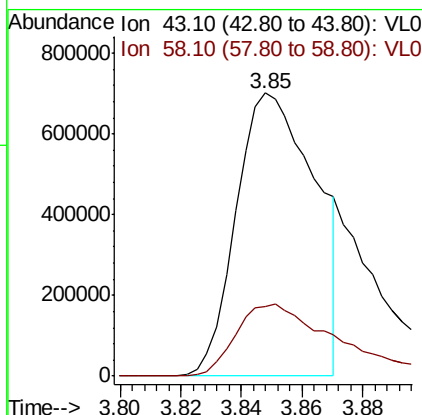
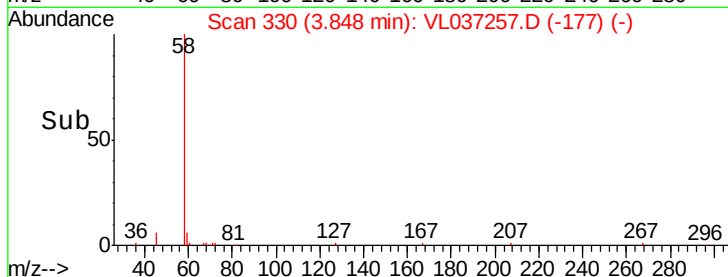
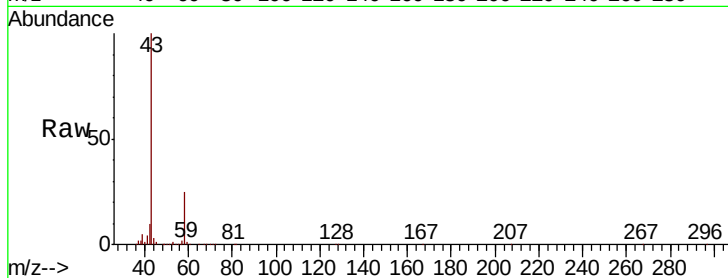
#15
Acetone
Concen: 6.974 ppbv m
RT: 3.85 min Scan# 330
Delta R.T. -0.01 min
Lab File: VL037257.D
Acq: 29 Jun 2021 20:11

Instrument :
MSVOA_L
ClientSampleId :
SV-5DL

Tot Ion: 43 Resp: 1278879
Ion Ratio Lower Upper
43 100
58 36.3 23.7 35.5#

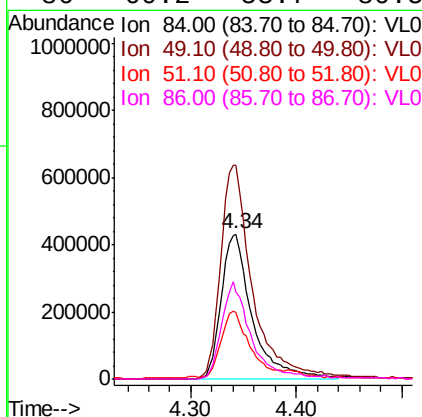
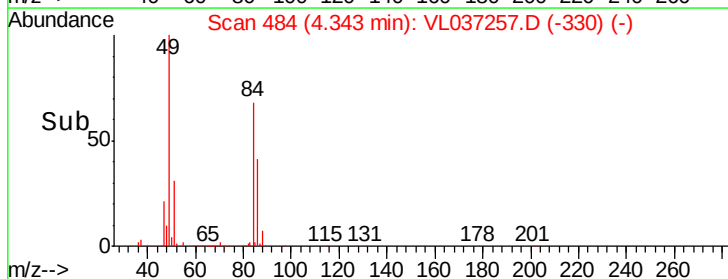
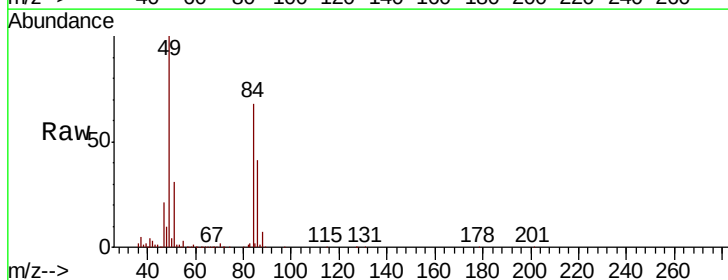
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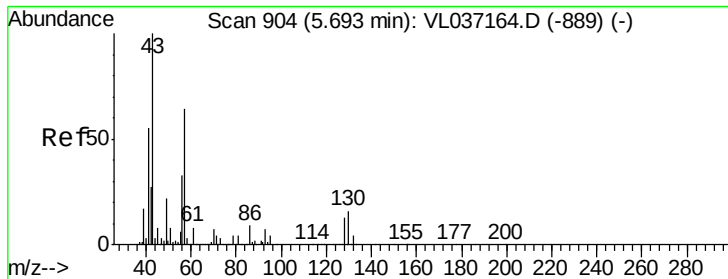
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#20
Methylene Chloride
Concen: 8.005 ppbv
RT: 4.34 min Scan# 484
Delta R.T. -0.01 min
Lab File: VL037257.D
Acq: 29 Jun 2021 20:11

Tgt Ion: 84 Resp: 878815
Ion Ratio Lower Upper
84 100
49 147.0 119.7 179.5
51 44.5 36.1 54.1
86 60.2 53.7 80.5





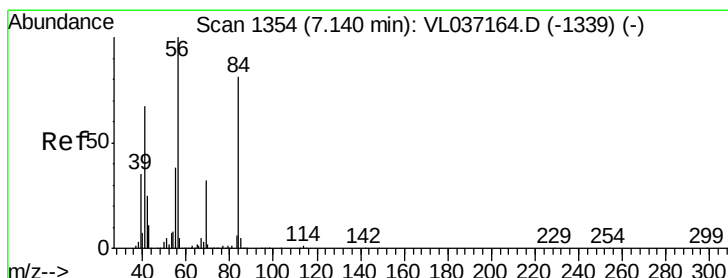
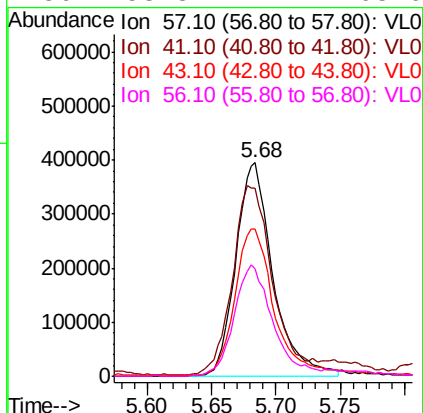
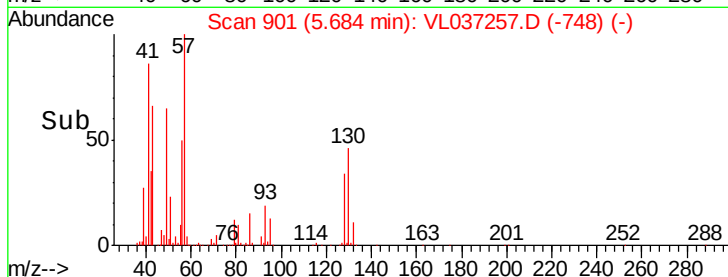
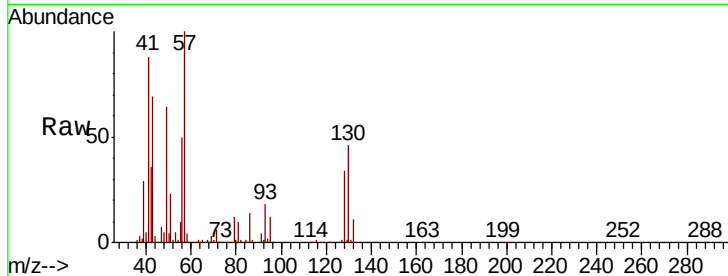
#26
Hexane
Concen: 3.950 ppbv
RT: 5.68 min Scan# 901
Delta R.T. -0.01 min
Lab File: VL037257.D
Acq: 29 Jun 2021 20:11

Instrument :
MSVOA_L
ClientSampled :
SV-5DL

Tot Ion	Ratio	Lower	Upper
57	100		
41	105.4	73.5	110.3
43	74.9	170.7	256.1#
56	58.3	42.4	63.6

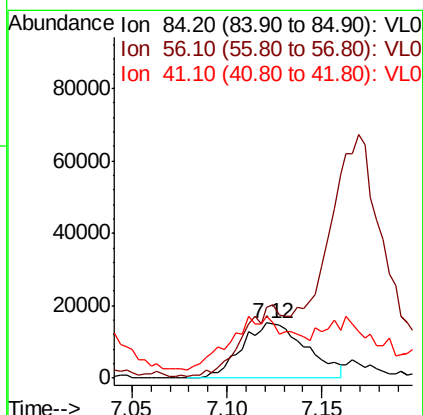
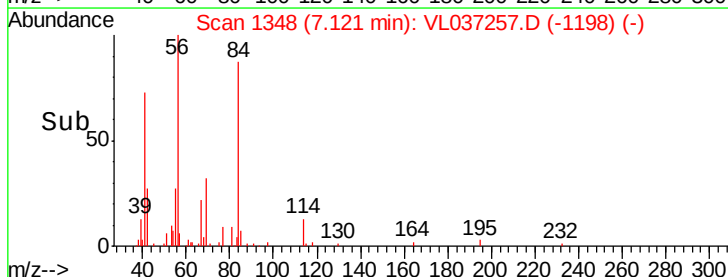
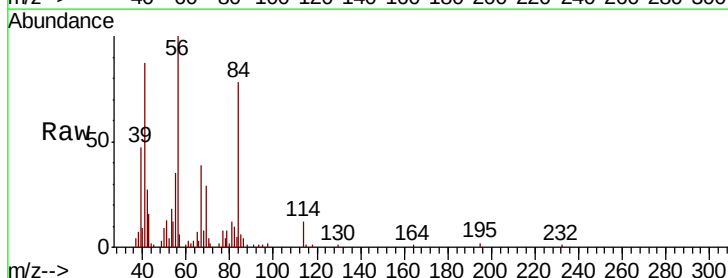
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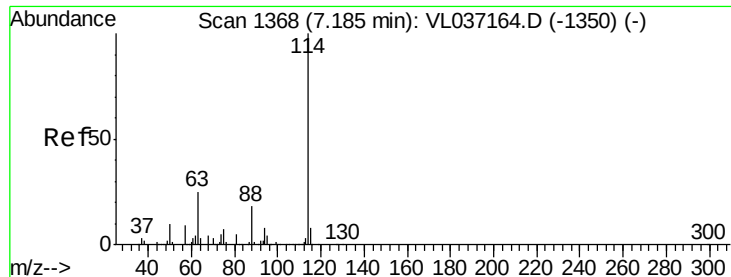
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#30
Cyclohexane
Concen: 0.214 ppbv m
RT: 7.12 min Scan# 1348
Delta R.T. -0.02 min
Lab File: VL037257.D
Acq: 29 Jun 2021 20:11

Tgt Ion	Ratio	Lower	Upper
84	100		
56	0.0	107.7	161.5#
41	74.9	69.0	103.6





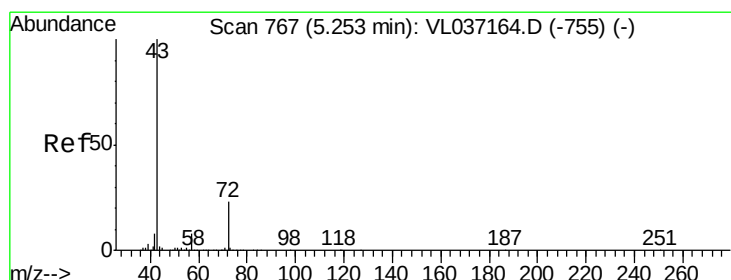
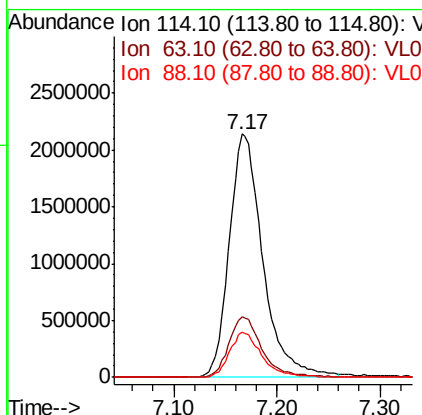
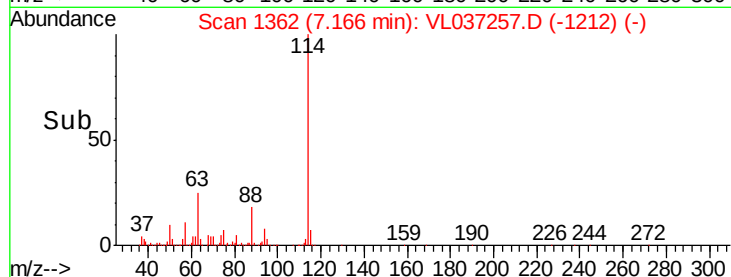
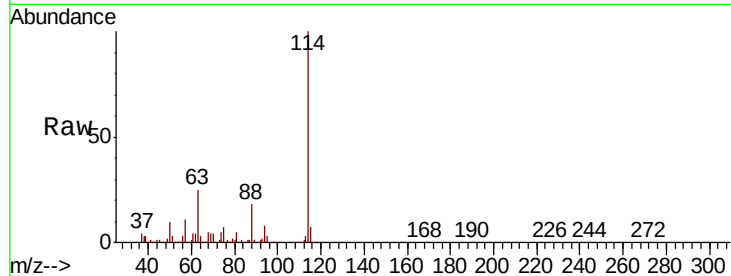
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.17 min Scan# 1362
 Delta R.T. -0.02 min
 Lab File: VL037257.D
 Acq: 29 Jun 2021 20:11

Instrument :
 MSVOA_L
 ClientSampled :
 SV-5DL

Tot Ion:114 Resp: 4860716
 Ion Ratio Lower Upper
 114 100
 63 25.0 19.6 29.4
 88 18.1 14.2 21.2

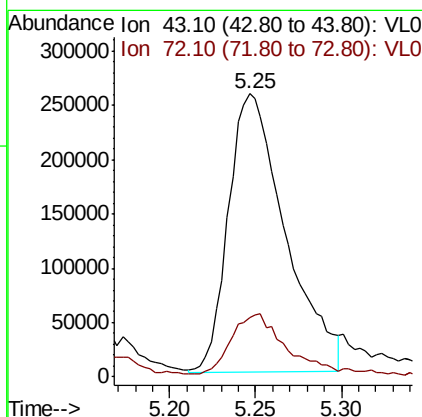
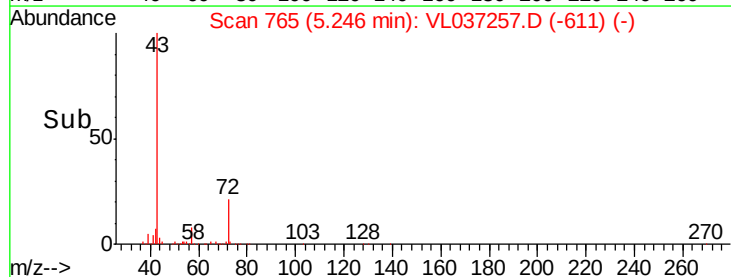
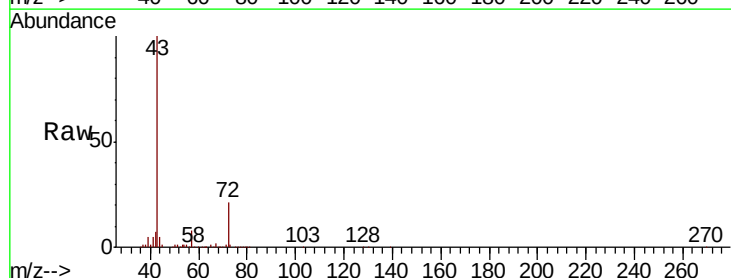
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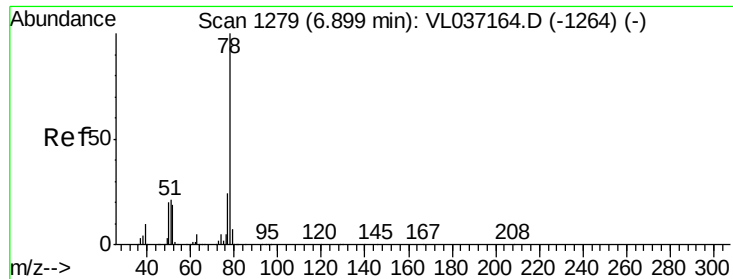
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#34
 2-Butanone
 Concen: 3.129 ppbv
 RT: 5.25 min Scan# 765
 Delta R.T. -0.01 min
 Lab File: VL037257.D
 Acq: 29 Jun 2021 20:11

Tgt Ion: 43 Resp: 591418
 Ion Ratio Lower Upper
 43 100
 72 24.9 18.9 28.3





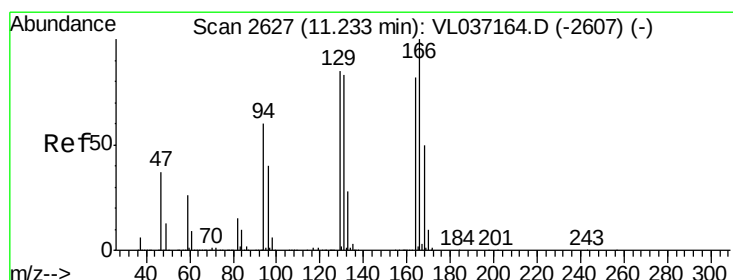
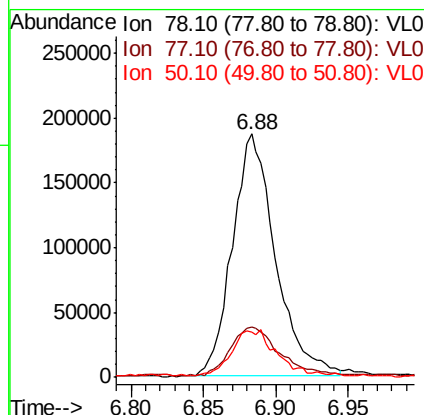
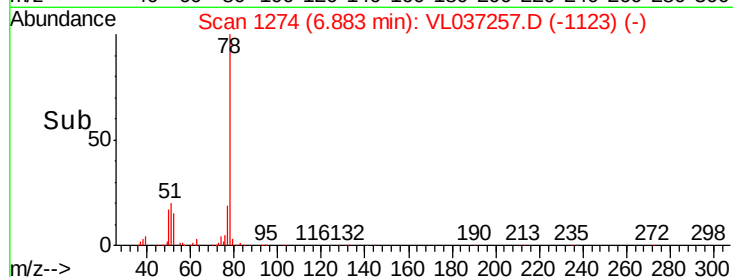
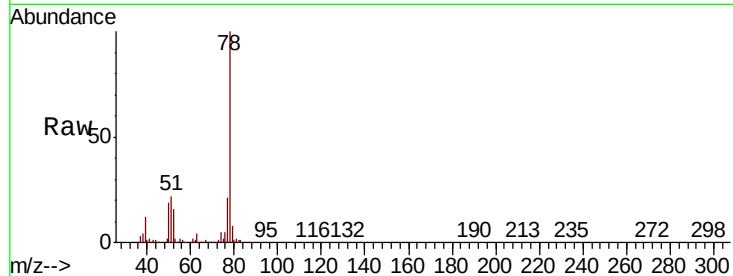
#36
Benzene
Concen: 0.983 ppbv
RT: 6.88 min Scan# 1274
Delta R.T. -0.02 min
Lab File: VL037257.D
Acq: 29 Jun 2021 20:11

Instrument :
MSVOA_L
ClientSampled :
SV-5DL

Tot Ion	Ratio	Lower	Upper
78	100		
77	20.0	19.0	28.6
50	18.0	15.7	23.5

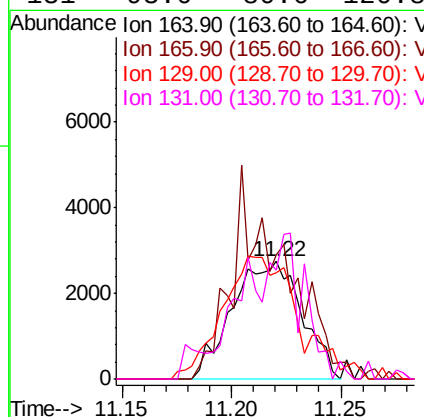
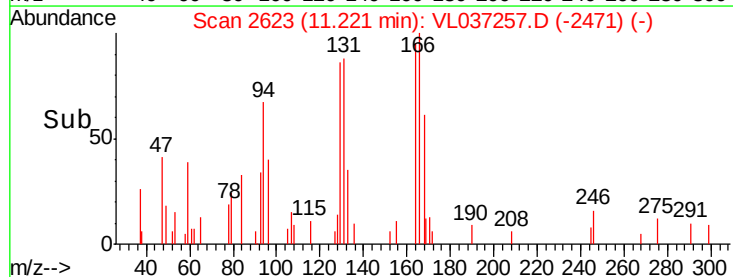
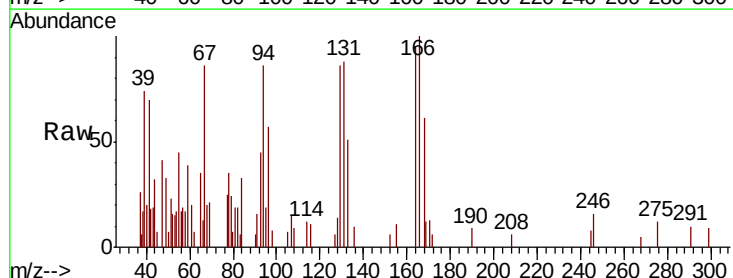
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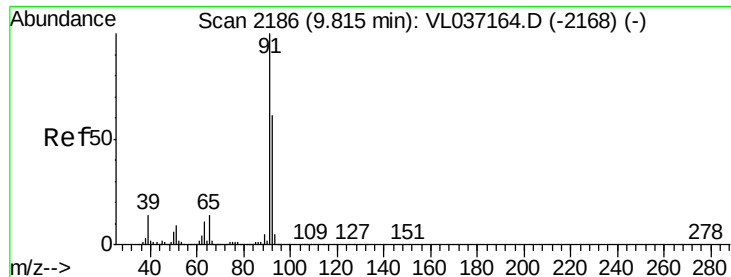
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#52
Tetrachloroethene
Concen: 0.033 ppbv m
RT: 11.22 min Scan# 2623
Delta R.T. -0.01 min
Lab File: VL037257.D
Acq: 29 Jun 2021 20:11

Tgt Ion	Ratio	Lower	Upper
164	100		
166	105.3	97.6	146.4
129	90.3	82.9	124.3
131	93.0	80.6	120.8





#53

Toluene

Concen: 0.758 ppbv

RT: 9.80 min Scan# 2180

Delta R.T. -0.02 min

Lab File: VL037257.D

Acq: 29 Jun 2021 20:11

Instrument :

MSVOA_L

ClientSampled :

SV-5DL

Tot Ion: 91 Resp: 355960

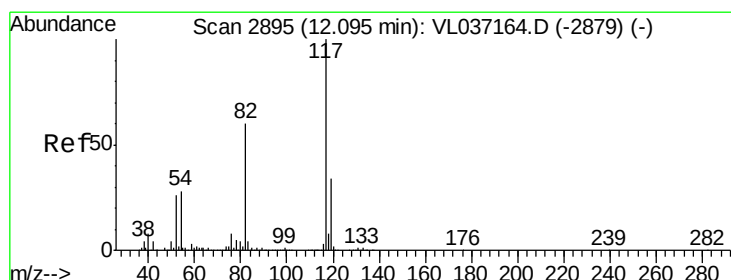
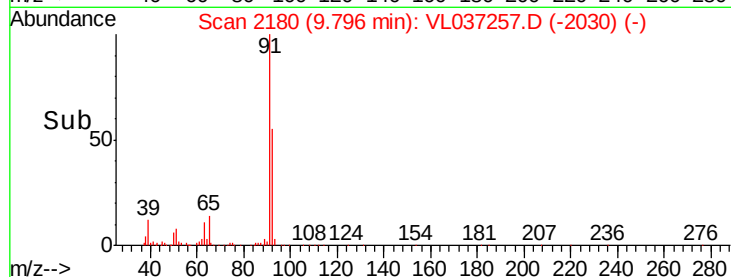
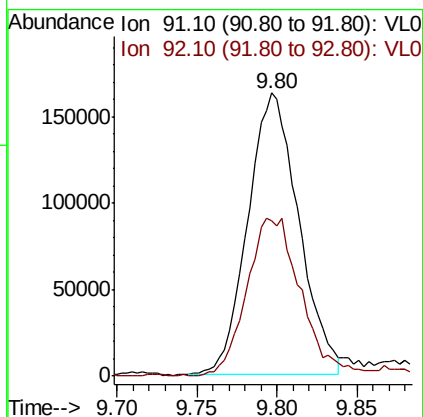
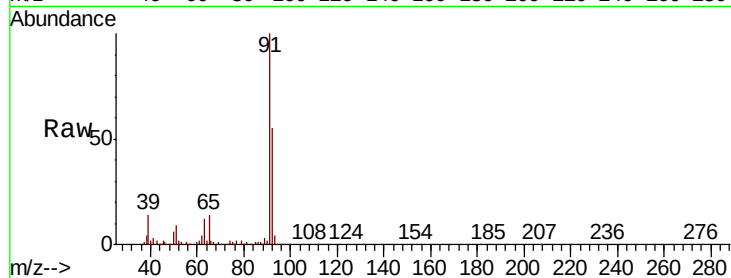
Ion Ratio Lower Upper

91 100

92 63.0 48.3 72.5

Manual Integrations
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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: VL037257.D

Acq: 29 Jun 2021 20:11

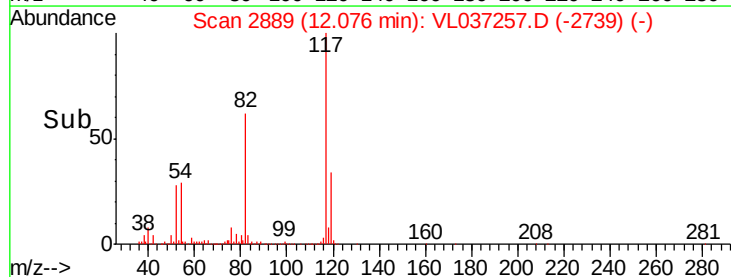
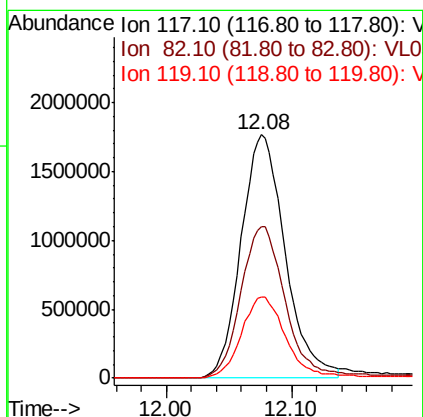
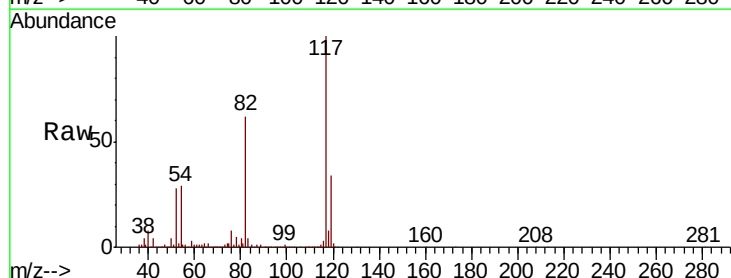
Tgt Ion: 117 Resp: 4311205

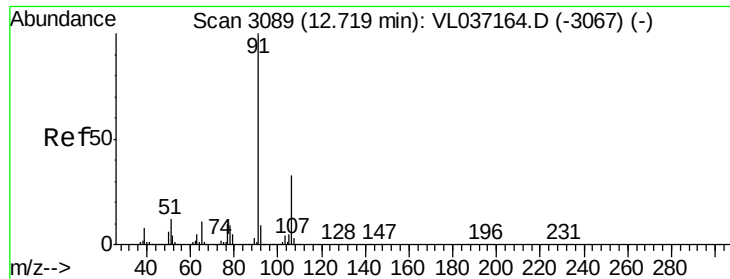
Ion Ratio Lower Upper

117 100

82 66.3 51.7 77.5

119 34.7 47.6 71.4#





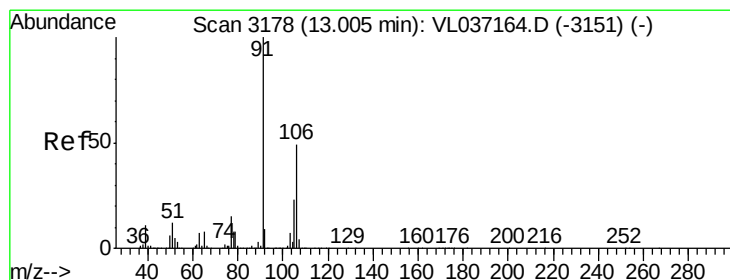
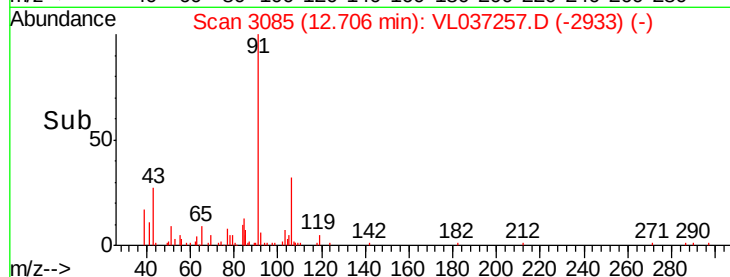
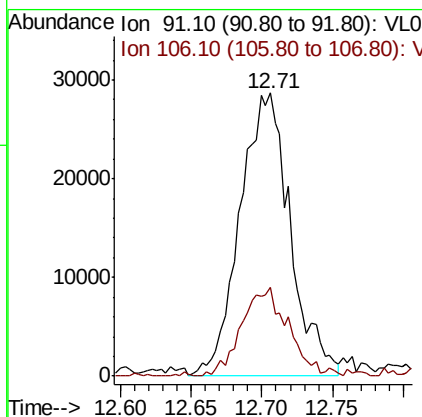
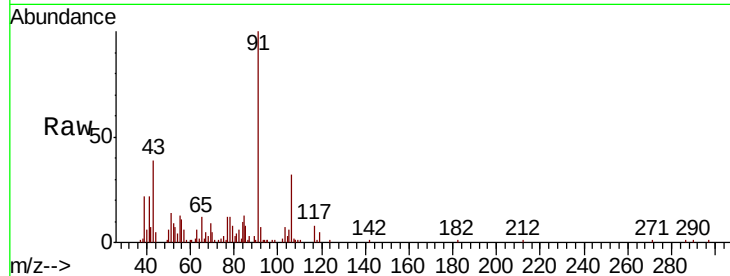
#58
Ethyl Benzene
Concen: 0.119 ppbv m
RT: 12.71 min Scan# 3085
Delta R.T. -0.01 min
Lab File: VL037257.D
Acq: 29 Jun 2021 20:11

Instrument :
MSVOA_L
ClientSampleId :
SV-5DL

Tot Ion	Ratio	Lower	Upper
91	100		
106	31.6	26.3	39.5

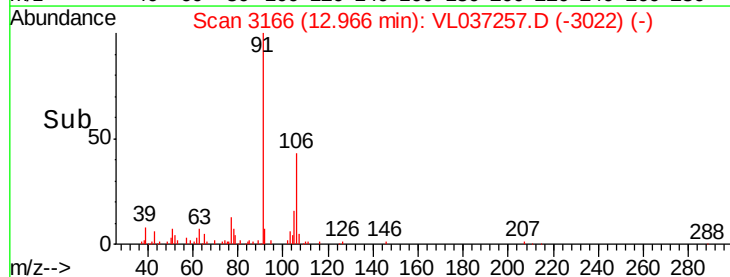
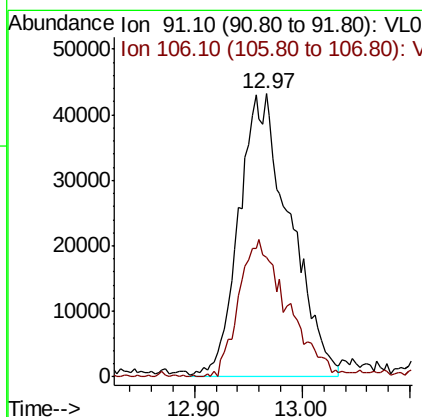
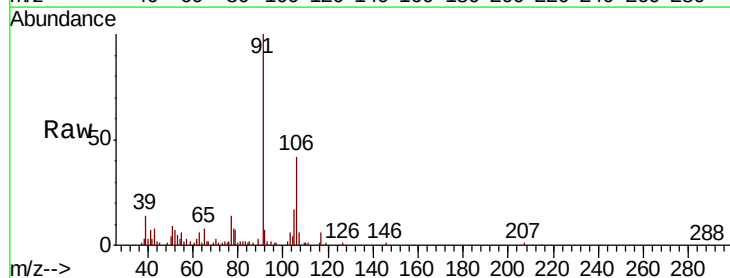
Manual Integrations
APPROVED

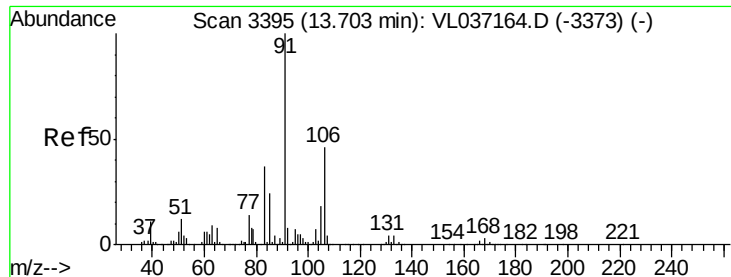
MMDadoda
7/5/2021 3:38:45 PM



#59
m/p-Xylene
Concen: 0.283 ppbv m
RT: 12.97 min Scan# 3166
Delta R.T. -0.04 min
Lab File: VL037257.D
Acq: 29 Jun 2021 20:11

Tgt Ion	Ratio	Lower	Upper
91	100		
106	0.0	37.0	55.4#





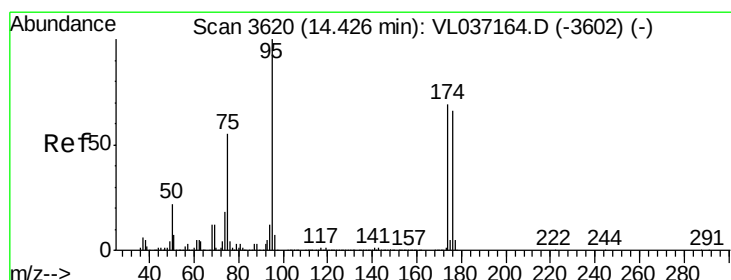
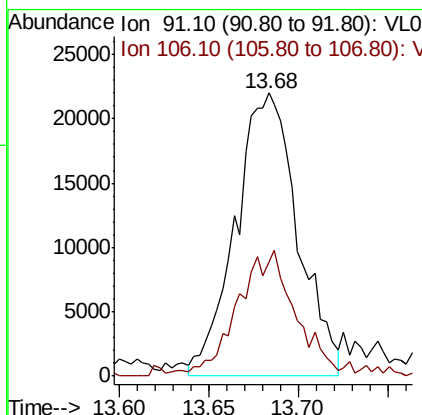
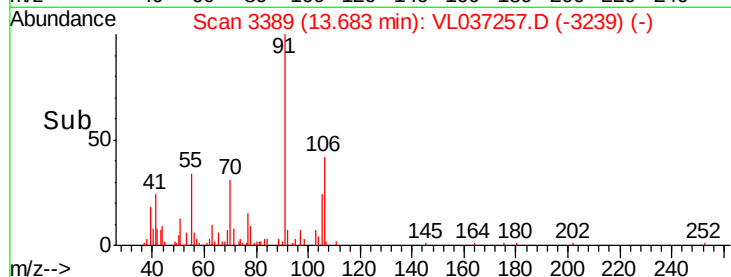
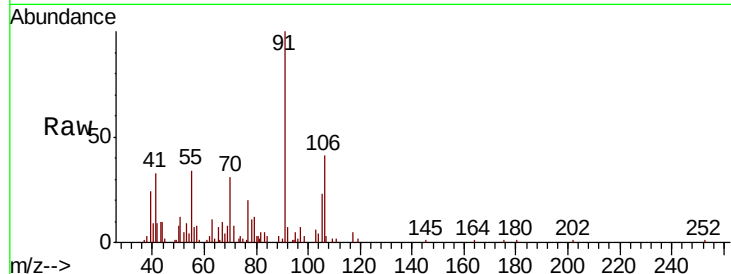
#60
o-Xylene
Concen: 0.111 ppbv m
RT: 13.68 min Scan# 3389
Delta R.T. -0.02 min
Lab File: VL037257.D
Acq: 29 Jun 2021 20:11

Instrument :
MSVOA_L
ClientSampled :
SV-5DL

Tot Ion: 91 Resp: 53167
Ion Ratio Lower Upper
91 100
106 42.4 23.0 69.0

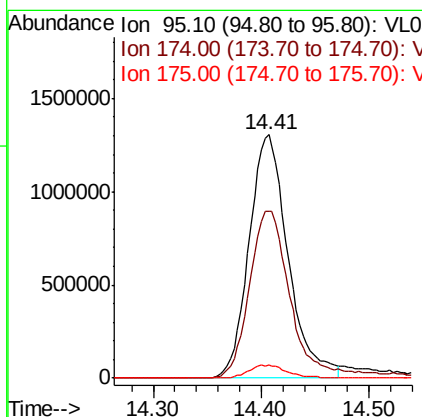
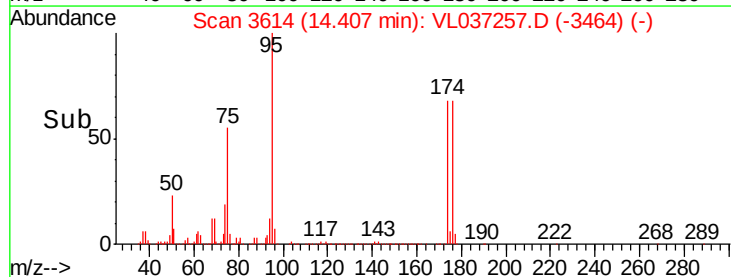
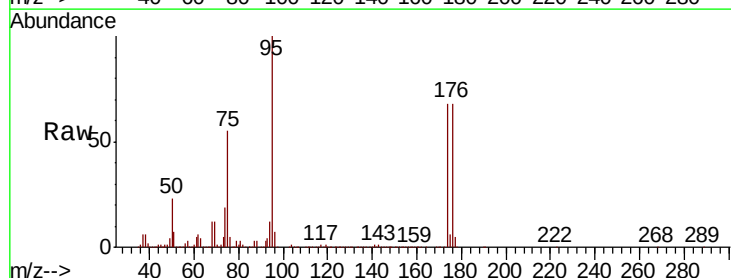
Manual Integrations
APPROVED

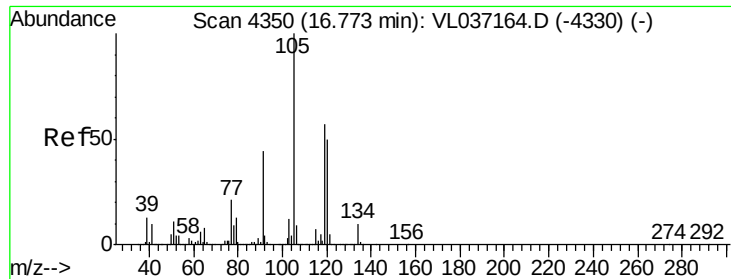
MMDadoda
7/5/2021 3:38:45 PM



#68
1-Bromo-4-Fluorobenzene
Concen: 10.047 ppbv
RT: 14.41 min Scan# 3614
Delta R.T. -0.02 min
Lab File: VL037257.D
Acq: 29 Jun 2021 20:11

Tgt Ion: 95 Resp: 3282226
Ion Ratio Lower Upper
95 100
174 75.5 57.0 85.4
175 5.4 4.4 6.6





#74
 1,2,4-Trimethylbenzene
 Concen: 0.119 ppbv
 RT: 16.75 min Scan# 4343
 Delta R.T. -0.02 min
 Lab File: VL037257.D
 Acq: 29 Jun 2021 20:11

Instrument :
 MSVOA_L
 ClientSampleId :
 SV-5DL

Tot Ion	Ratio	Resp Lower	Upper
105	100		
120	34.5	39.8	59.8#
91	9.5	37.0	55.4#
77	11.1	17.0	25.4#

Manual Integrations
 APPROVED

MMDadoda
 7/5/2021 3:38:45 PM

