

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL062921\
 Data File : VL037256.D
 Acq On : 29 Jun 2021 19:33
 Operator : SY/AP
 Sample : M2887-04DL DUP 10X
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SV-4DL DUP

Manual Integrations
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 7/5/2021 3:38:41 PM

Quant Time: Jun 30 10:18:09 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL061621AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed 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	1701117	10.00	ppbv	-0.01
33) 1,4-Difluorobenzene	7.17	114	4861870	10.00	ppbv	-0.02
55) Chlorobenzene-d5	12.08	117	4433266	10.00	ppbv	-0.02

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.41	95	3365786	10.02	ppbv	-0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	100.20%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
9) Propene	3.01	41	2179770	20.610	ppbv	92
10) Heptane	8.11	43	165056	0.644	ppbv	99
13) Ethanol	3.61	45	76146m	4.654	ppbv	
15) Acetone	3.85	43	2404824	12.536	ppbv	100
20) Methylene Chloride	4.34	84	901577	7.850	ppbv	97
26) Hexane	5.68	57	705329	3.360	ppbv #	45
30) Cyclohexane	7.12	84	28104	0.161	ppbv #	27
34) 2-Butanone	5.24	43	1392896	7.367	ppbv	100
36) Benzene	6.88	78	220426	0.561	ppbv	98
51) 2-Hexanone	10.14	43	210105m	1.663	ppbv	
53) Toluene	9.80	91	274625	0.585	ppbv	98
58) Ethyl Benzene	12.70	91	63877m	0.105	ppbv	
59) m/p-Xylene	12.96	91	132758m	0.257	ppbv	
69) p-Isopropyltoluene	17.64	119	91532	0.131	ppbv #	83
74) 1,2,4-Trimethylbenzene	16.75	105	76554	0.137	ppbv #	82

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

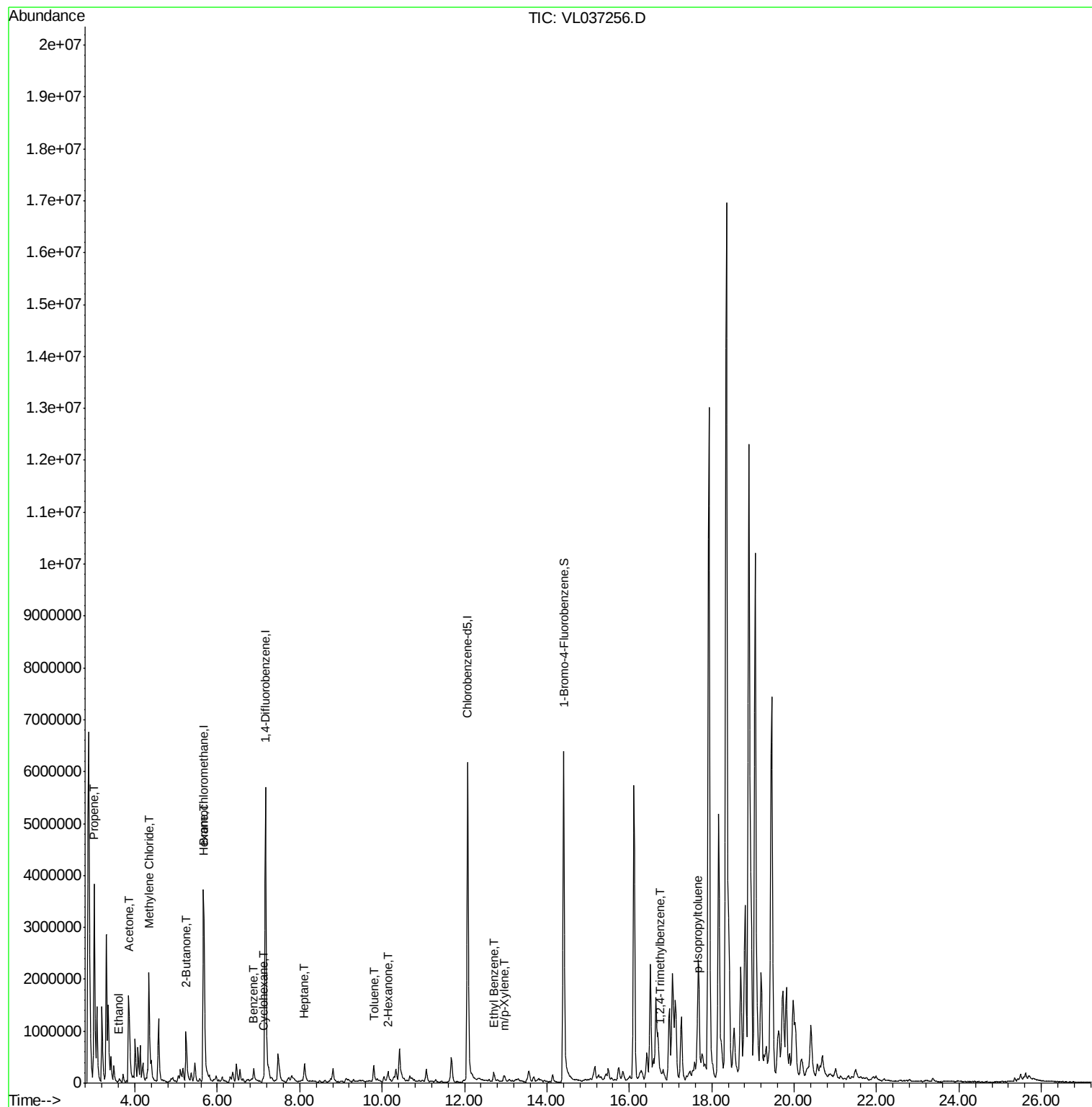
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL062921\
Data File : VL037256.D
Acq On : 29 Jun 2021 19:33
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Misc : 400mL/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

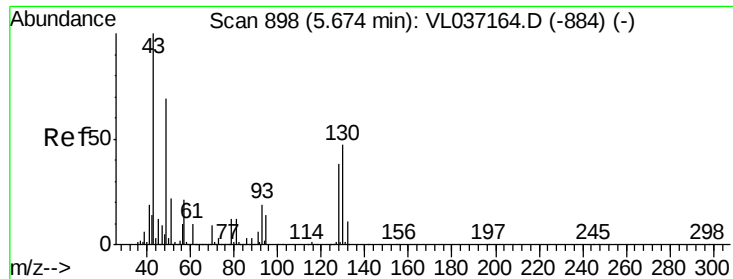
Instrument :
MSVOA_L
ClientSampleId :
SV-4DL DUP

Manual Integrations
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Quant Time: Jun 30 10:18:09 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: VL037256.D

Acq: 29 Jun 2021 19:33

Instrument :

MSVOA_L

ClientSampleId :

SV-4DLDP

Tot Ion: 49 Resp: 1701117

Ion Ratio Lower Upper

49 100

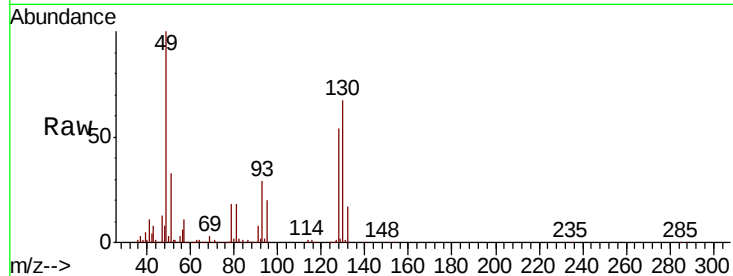
128 54.3 29.3 88.0

130 69.4 35.9 107.8

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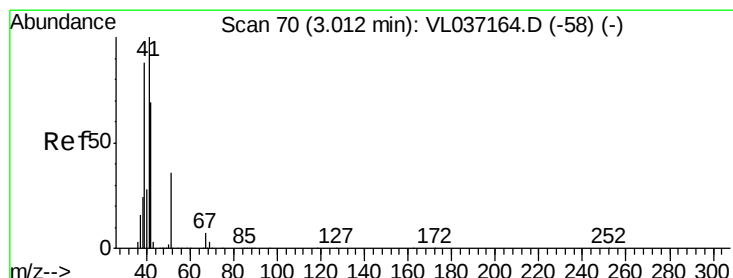
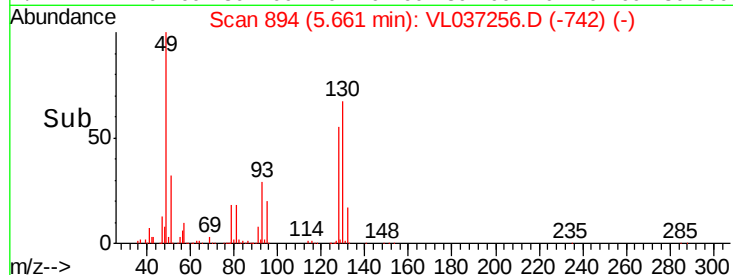
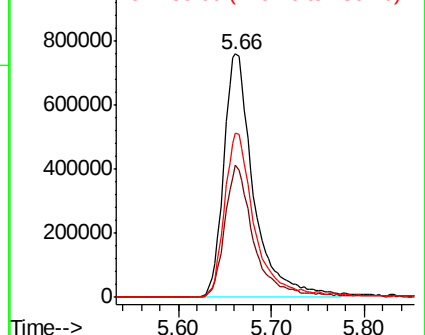
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Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V



#9

Propene

Concen: 20.610 ppbv

RT: 3.01 min Scan# 69

Delta R.T. -0.00 min

Lab File: VL037256.D

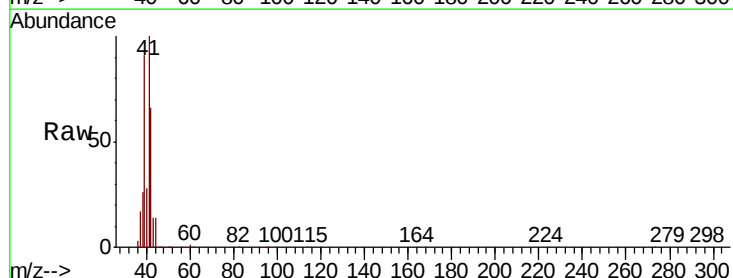
Acq: 29 Jun 2021 19:33

Tgt Ion: 41 Resp: 2179770

Ion Ratio Lower Upper

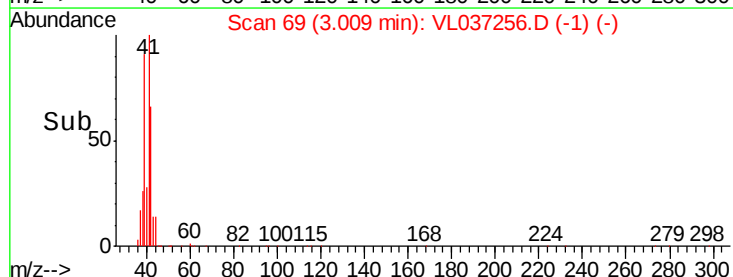
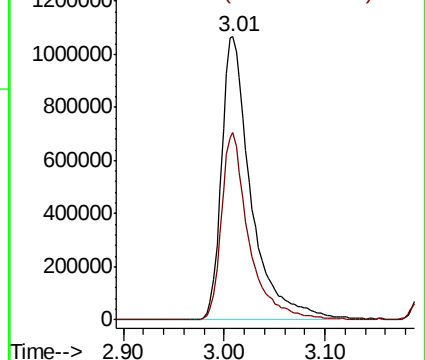
41 100

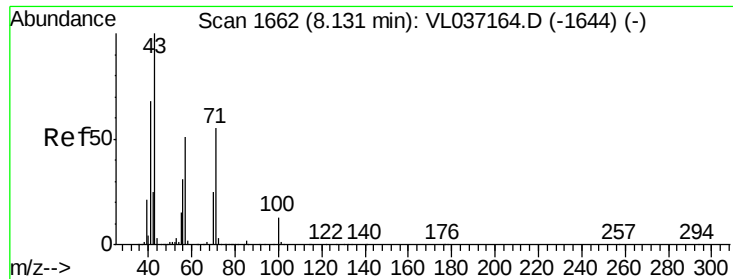
42 62.0 54.5 81.7



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0





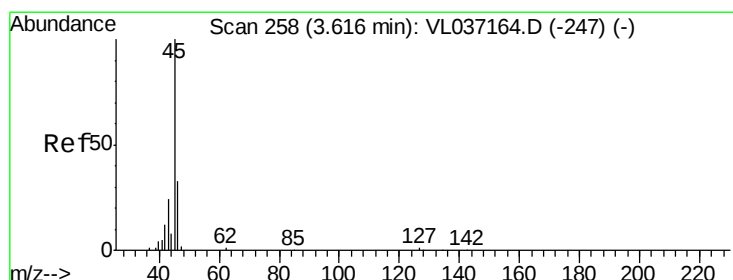
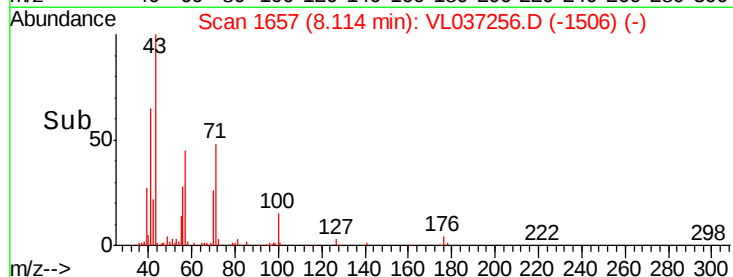
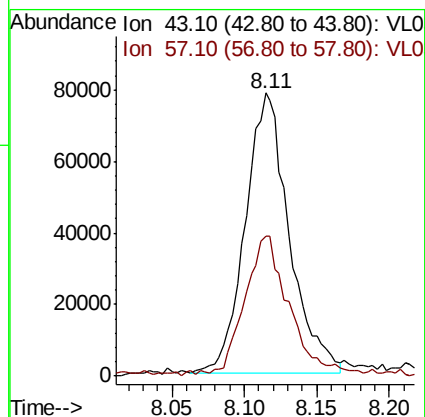
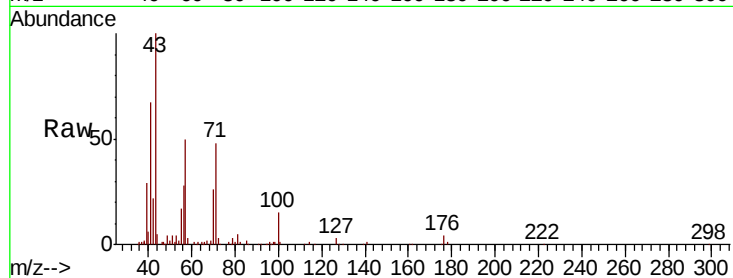
#10
Heptane
Concen: 0.644 ppbv
RT: 8.11 min Scan# 1657
Delta R.T. -0.02 min
Lab File: VL037256.D
Acq: 29 Jun 2021 19:33

Instrument :
MSVOA_L
ClientSampled :
SV-4DLUP

Tot Ion: 43 Resp: 165056
Ion Ratio Lower Upper
43 100
57 51.2 40.6 61.0

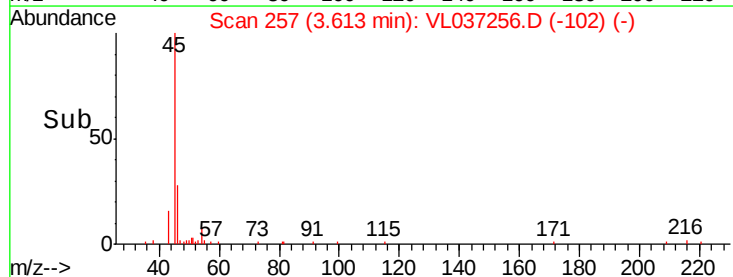
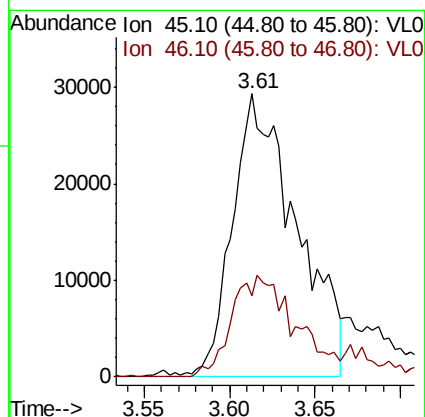
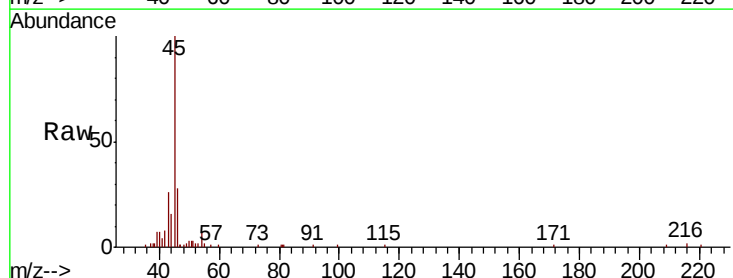
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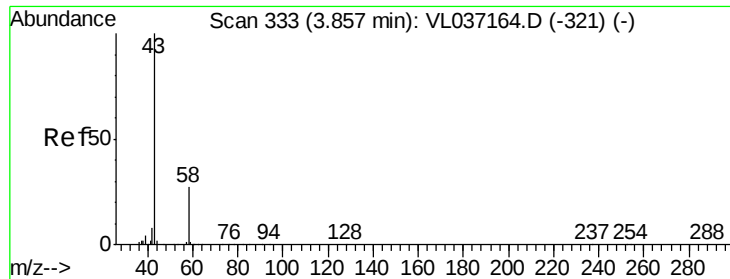
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#13
Ethanol
Concen: 4.654 ppbv m
RT: 3.61 min Scan# 257
Delta R.T. -0.00 min
Lab File: VL037256.D
Acq: 29 Jun 2021 19:33

Tgt Ion: 45 Resp: 76146
Ion Ratio Lower Upper
45 100
46 42.0 34.2 137.0





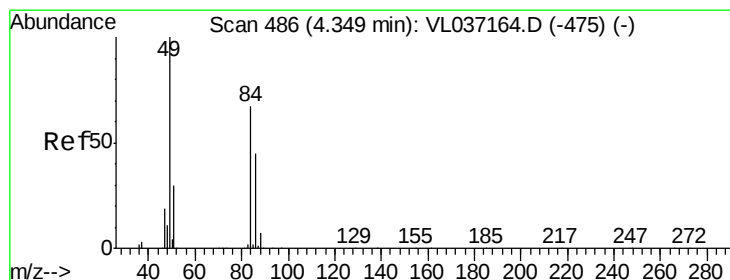
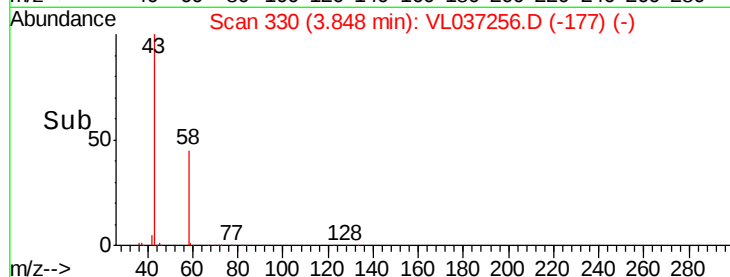
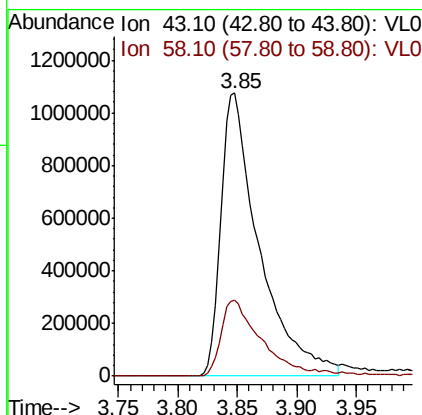
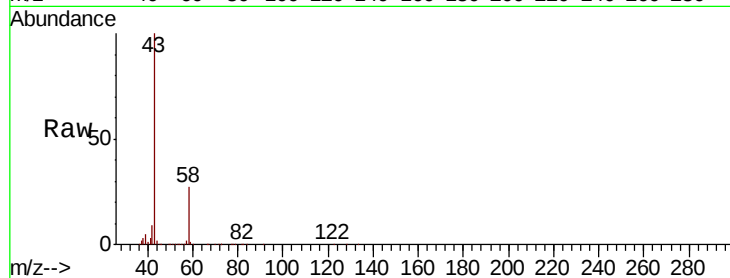
#15
Acetone
Concen: 12.536 ppbv
RT: 3.85 min Scan# 330
Delta R.T. -0.01 min
Lab File: VL037256.D
Acq: 29 Jun 2021 19:33

Instrument :
MSVOA_L
ClientSampleId :
SV-4DLUP

Tot Ion: 43 Resp: 2404824
Ion Ratio Lower Upper
43 100
58 29.4 23.7 35.5

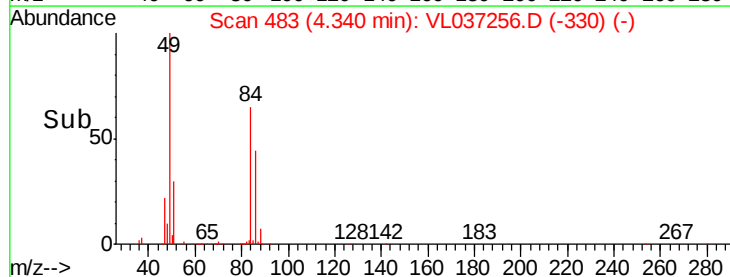
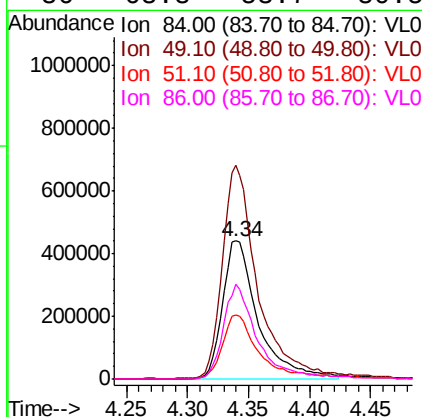
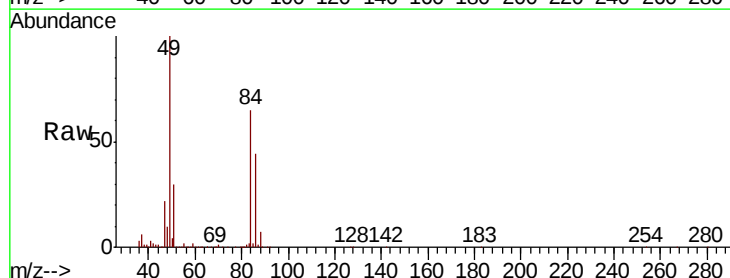
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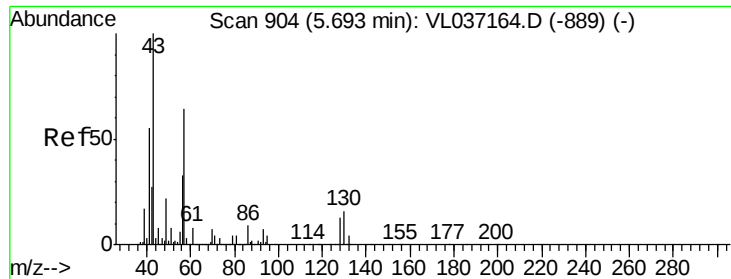
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#20
Methylene Chloride
Concen: 7.850 ppbv
RT: 4.34 min Scan# 483
Delta R.T. -0.01 min
Lab File: VL037256.D
Acq: 29 Jun 2021 19:33

Tgt Ion: 84 Resp: 901577
Ion Ratio Lower Upper
84 100
49 154.8 119.7 179.5
51 45.4 36.1 54.1
86 68.8 53.7 80.5





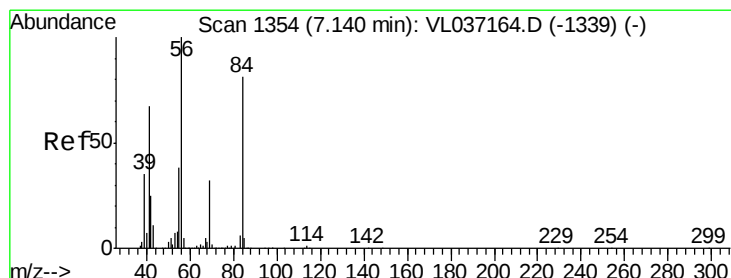
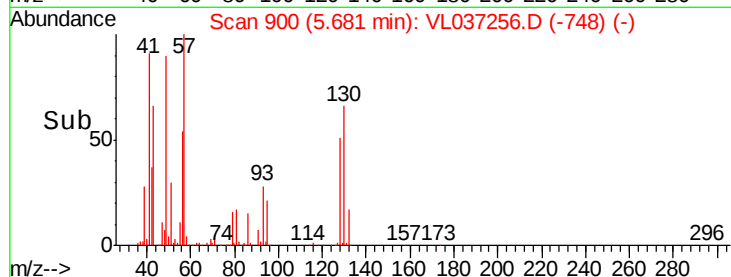
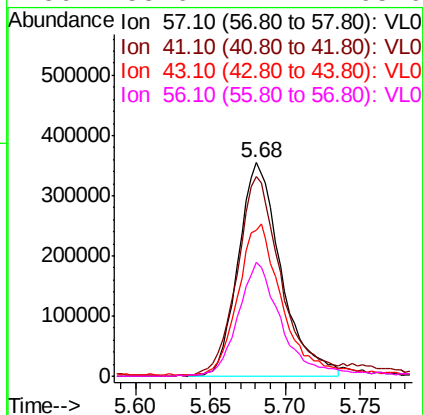
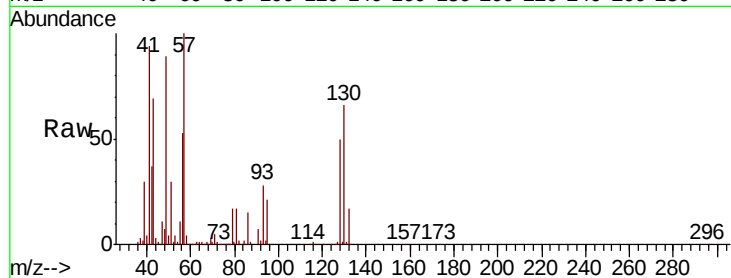
#26
Hexane
Concen: 3.360 ppbv
RT: 5.68 min Scan# 900
Delta R.T. -0.01 min
Lab File: VL037256.D
Acq: 29 Jun 2021 19:33

Instrument :
MSVOA_L
ClientSampleId :
SV-4DLDP

Tot Ion	Ratio	Lower	Upper
57	100		
41	101.2	73.5	110.3
43	74.7	170.7	256.1#
56	55.6	42.4	63.6

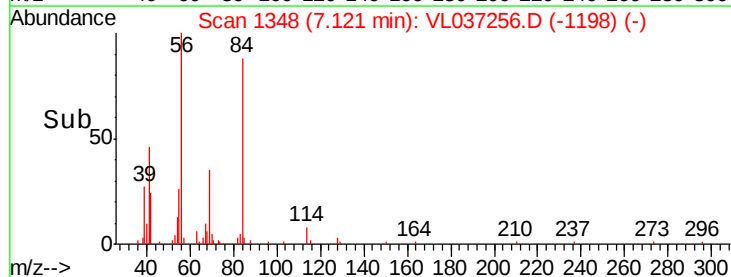
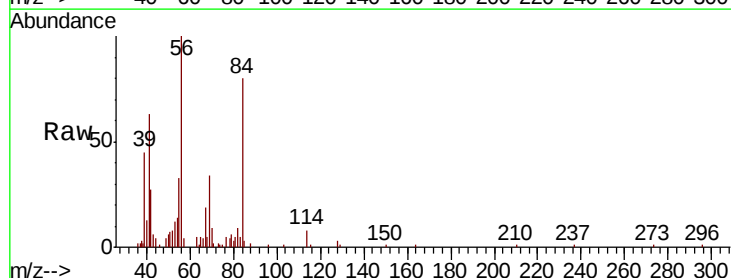
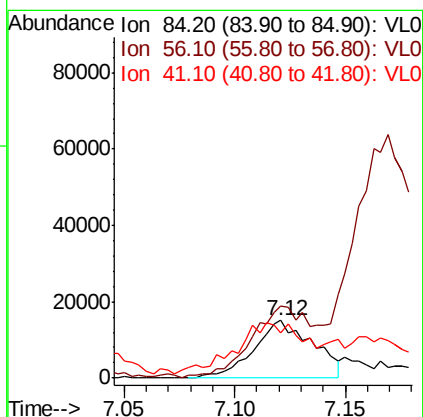
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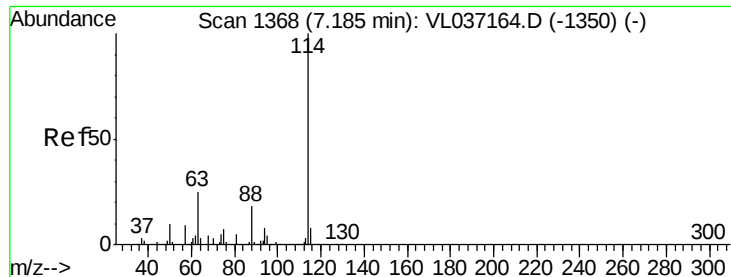
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#30
Cyclohexane
Concen: 0.161 ppbv
RT: 7.12 min Scan# 1348
Delta R.T. -0.02 min
Lab File: VL037256.D
Acq: 29 Jun 2021 19:33

Tgt Ion	Ratio	Lower	Upper
84	100		
56	0.0	107.7	161.5#
41	95.3	69.0	103.6





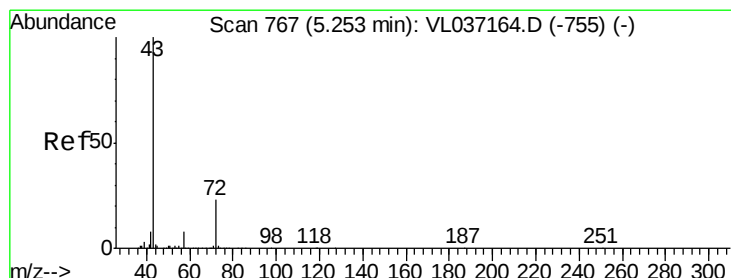
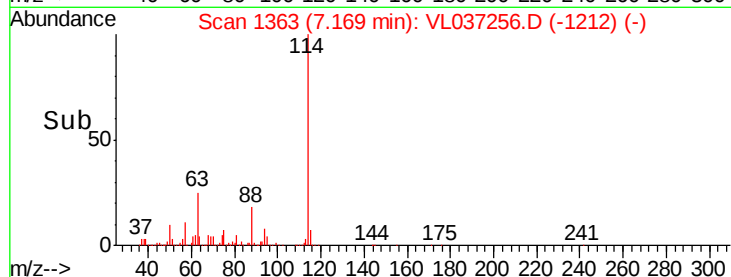
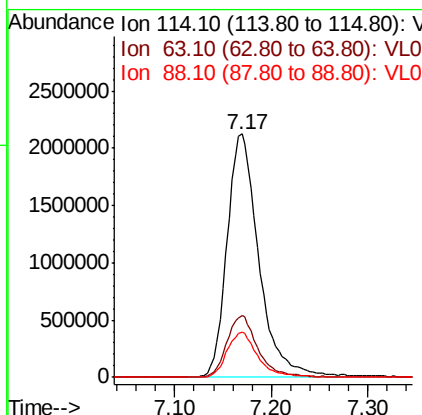
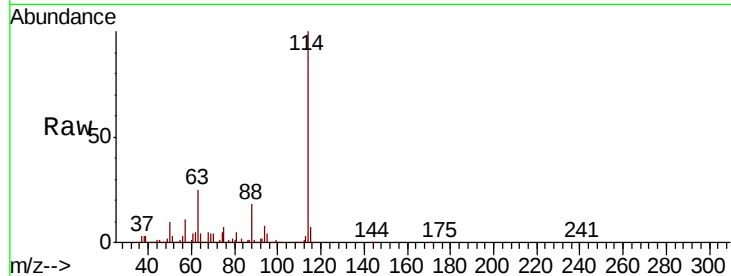
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.17 min Scan# 1363
 Delta R.T. -0.02 min
 Lab File: VL037256.D
 Acq: 29 Jun 2021 19:33

Instrument :
 MSVOA_L
 ClientSampleId :
 SV-4DLDP

Tot Ion:114 Resp: 4861870
 Ion Ratio Lower Upper
 114 100
 63 25.1 19.6 29.4
 88 18.2 14.2 21.2

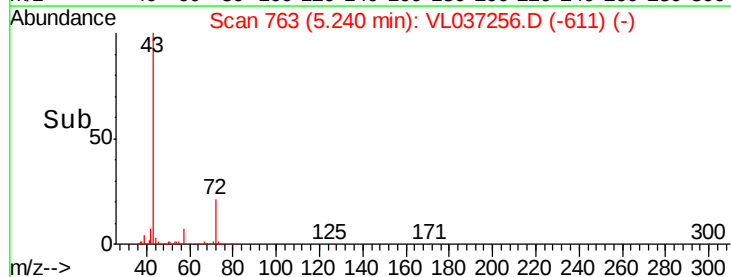
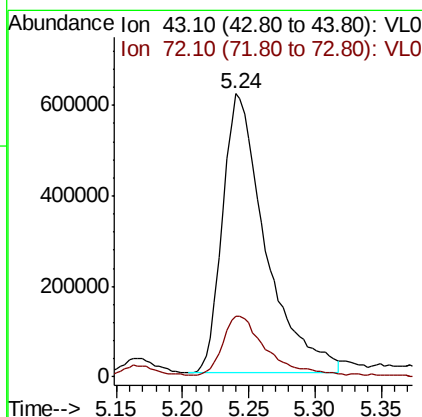
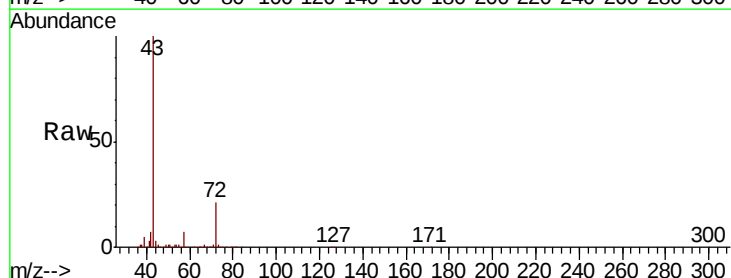
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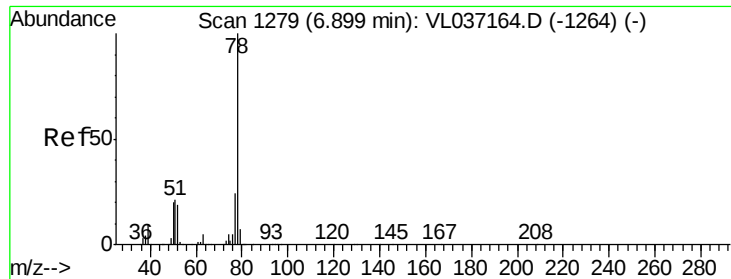
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#34
 2-Butanone
 Concen: 7.367 ppbv
 RT: 5.24 min Scan# 763
 Delta R.T. -0.01 min
 Lab File: VL037256.D
 Acq: 29 Jun 2021 19:33

Tgt Ion: 43 Resp: 1392896
 Ion Ratio Lower Upper
 43 100
 72 23.4 18.9 28.3





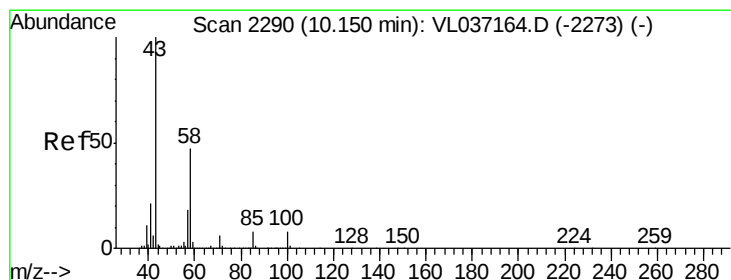
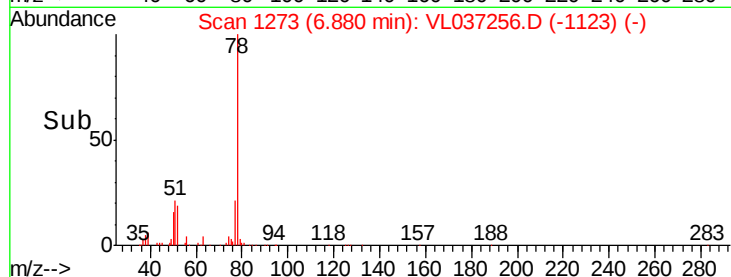
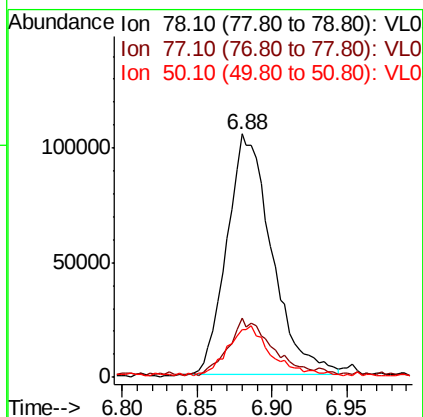
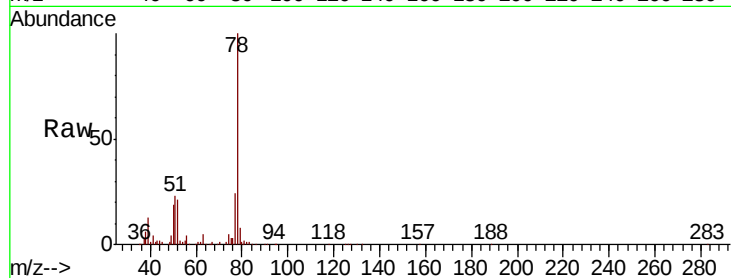
#36
Benzene
Concen: 0.561 ppbv
RT: 6.88 min Scan# 1273
Delta R.T. -0.02 min
Lab File: VL037256.D
Acq: 29 Jun 2021 19:33

Instrument :
MSVOA_L
ClientSampleId :
SV-4DLDP

Tot Ion	Ratio	Lower	Upper
78	100		
77	23.2	19.0	28.6
50	18.5	15.7	23.5

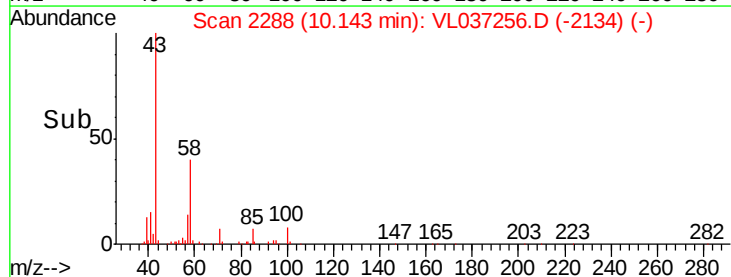
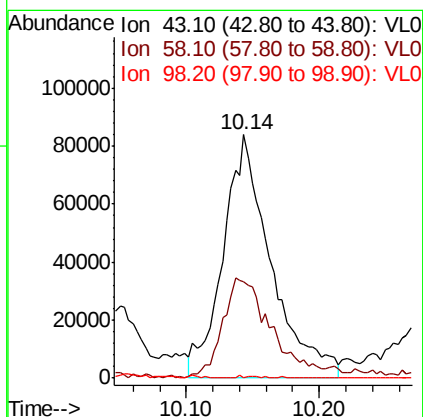
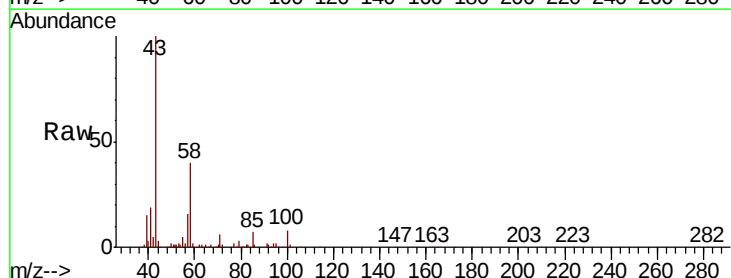
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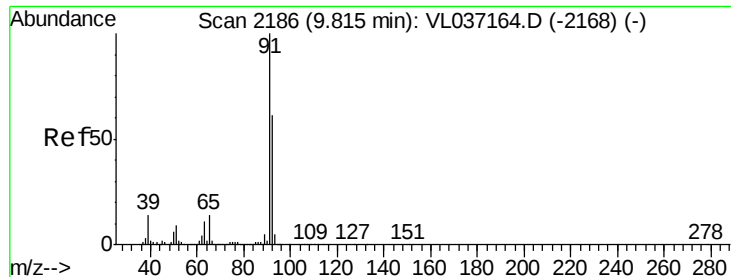
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#51
2-Hexanone
Concen: 1.663 ppbv m
RT: 10.14 min Scan# 2288
Delta R.T. -0.01 min
Lab File: VL037256.D
Acq: 29 Jun 2021 19:33

Tgt Ion	Ratio	Lower	Upper
43	100		
58	45.8	38.4	57.6
98	0.4	0.3	0.5





#53

Toluene

Concen: 0.585 ppbv

RT: 9.80 min Scan# 2180

Delta R.T. -0.02 min

Lab File: VL037256.D

Acq: 29 Jun 2021 19:33

Instrument :

MSVOA_L

ClientSampleId :

SV-4DLDP

Tot Ion: 91 Resp: 274625

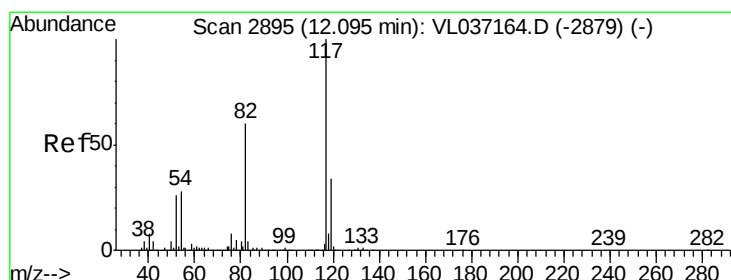
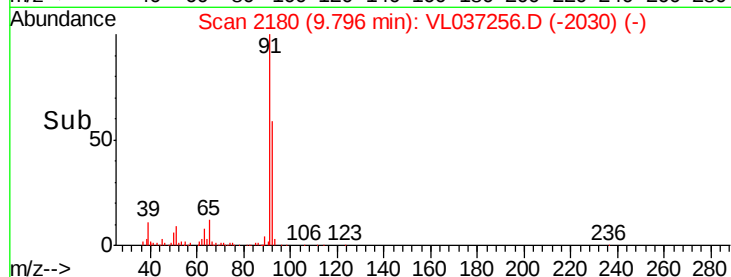
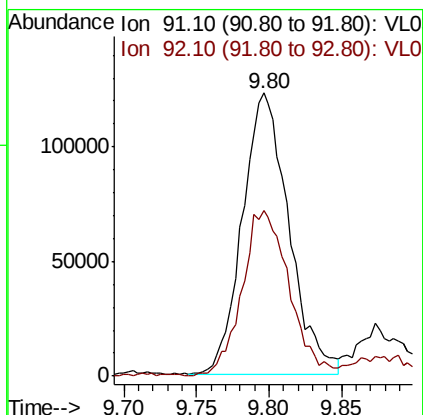
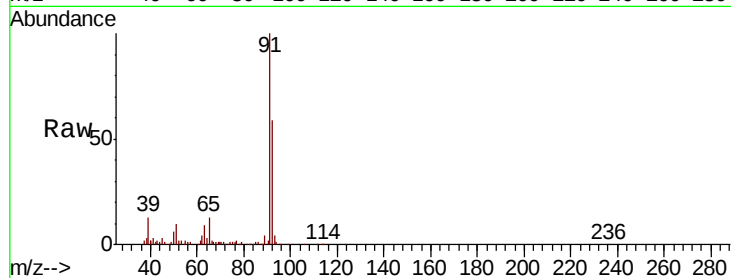
Ion Ratio Lower Upper

91 100

92 59.2 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: VL037256.D

Acq: 29 Jun 2021 19:33

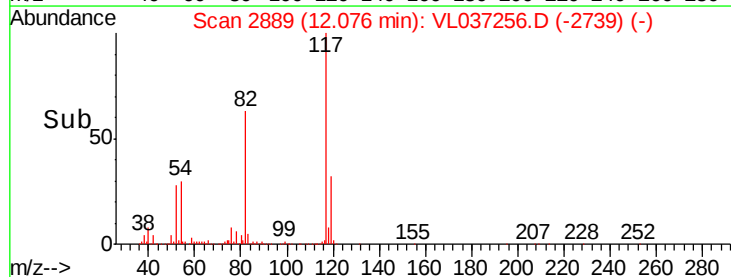
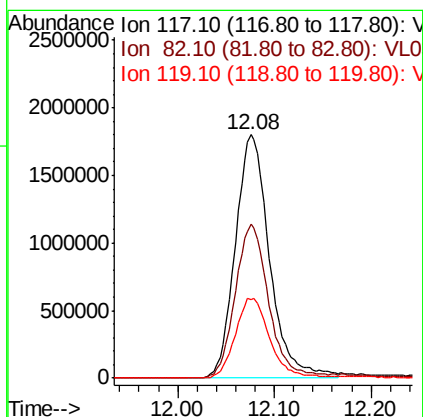
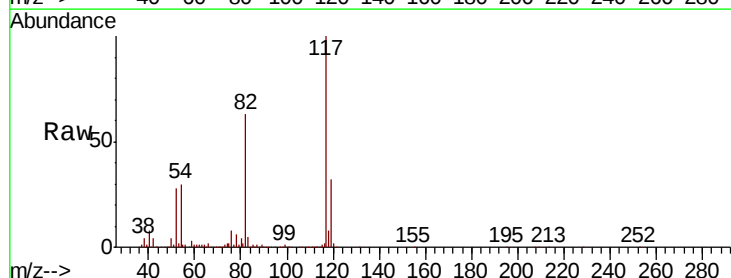
Tgt Ion: 117 Resp: 4433266

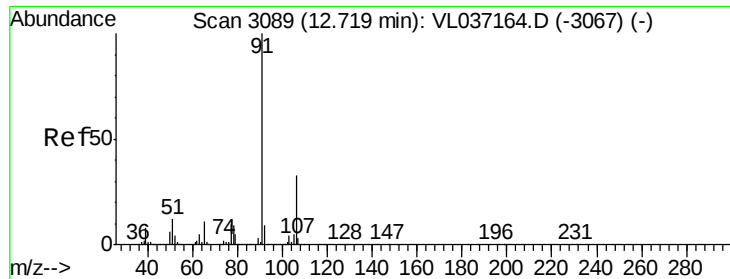
Ion Ratio Lower Upper

117 100

82 65.1 51.7 77.5

119 34.1 47.6 71.4#





#58

Ethyl Benzene

Concen: 0.105 ppbv m

RT: 12.70 min Scan# 3084

Delta R.T. -0.02 min

Lab File: VL037256.D

Acq: 29 Jun 2021 19:33

Instrument :

MSVOA_L

ClientSampleId :

SV-4DLDP

Tot Ion: 91 Resp: 63877

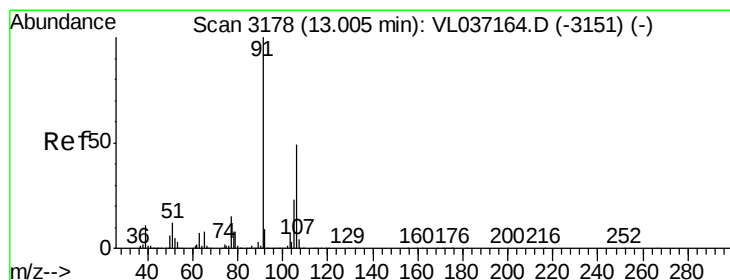
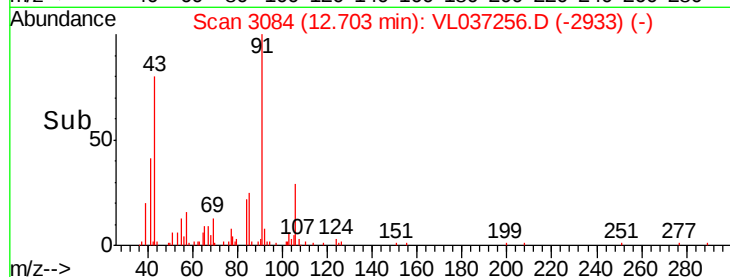
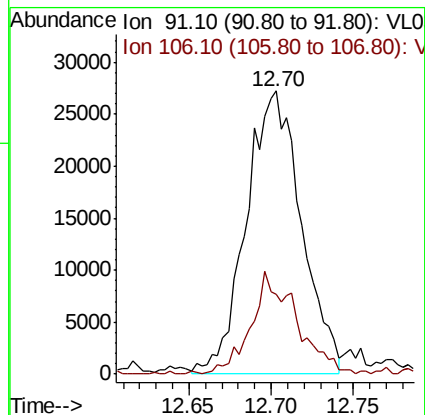
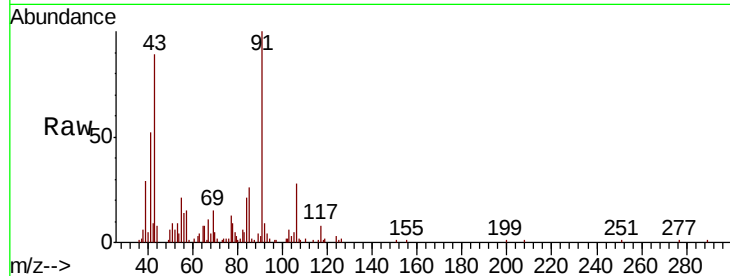
Ion Ratio Lower Upper

91 100

106 28.4 26.3 39.5

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#59

m/p-Xylene

Concen: 0.257 ppbv m

RT: 12.96 min Scan# 3164

Delta R.T. -0.04 min

Lab File: VL037256.D

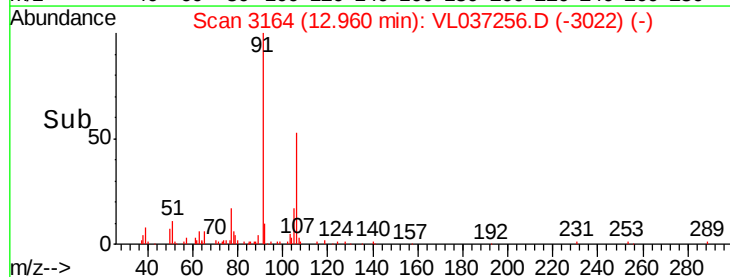
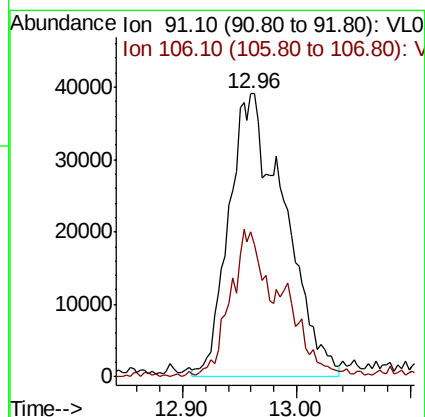
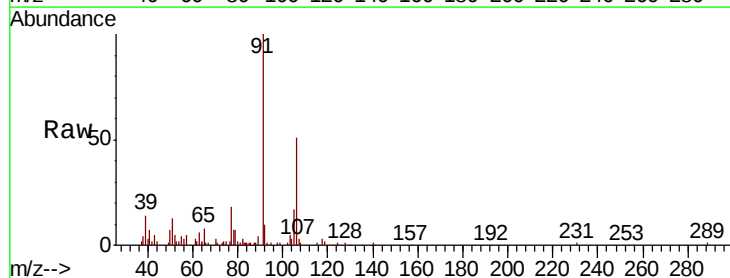
Acq: 29 Jun 2021 19:33

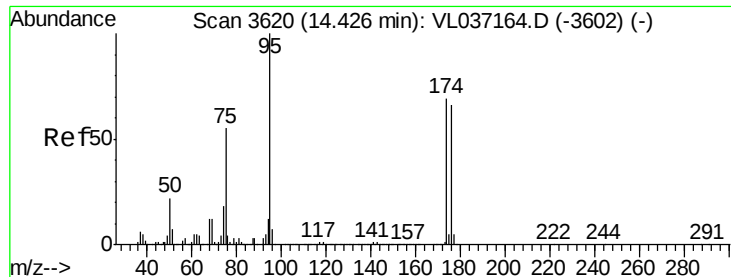
Tgt Ion: 91 Resp: 132758

Ion Ratio Lower Upper

91 100

106 0.0 37.0 55.4#





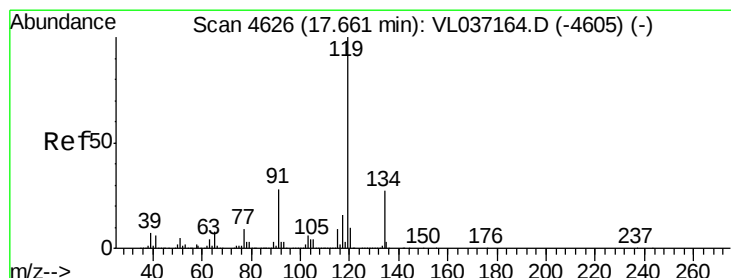
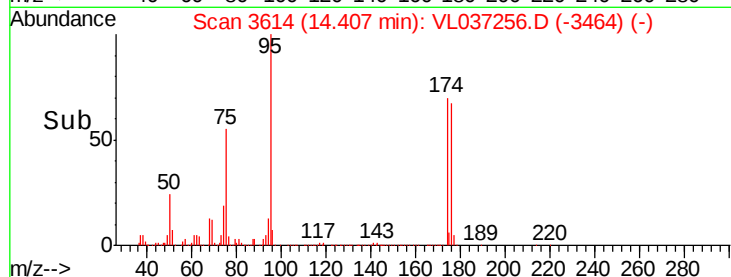
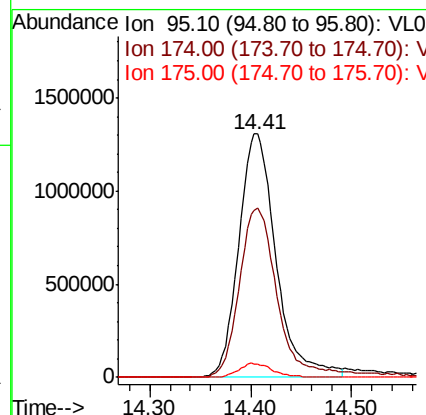
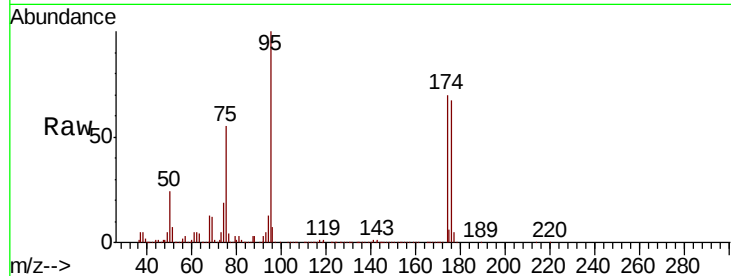
#68
1-Bromo-4-Fluorobenzene
Concen: 10.019 ppbv
RT: 14.41 min Scan# 3614
Delta R.T. -0.02 min
Lab File: VL037256.D
Acq: 29 Jun 2021 19:33

Instrument :
MSVOA_L
ClientSampleId :
SV-4DLUP

Tot Ion: 95 Resp: 3365786
Ion Ratio Lower Upper
95 100
174 73.6 57.0 85.4
175 5.6 4.4 6.6

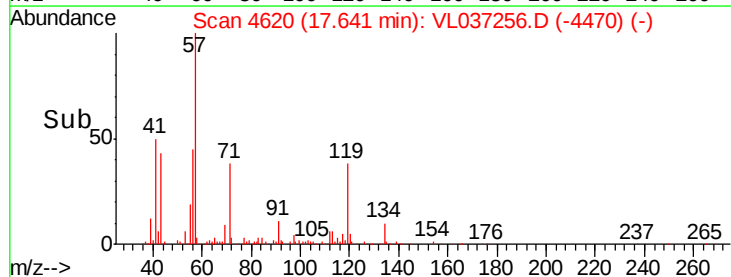
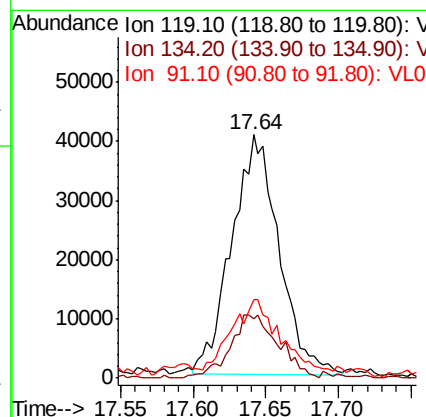
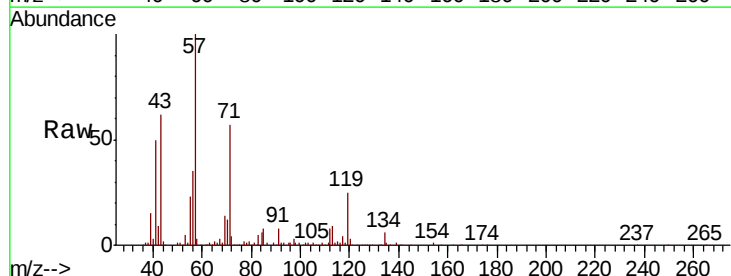
Manual Integrations
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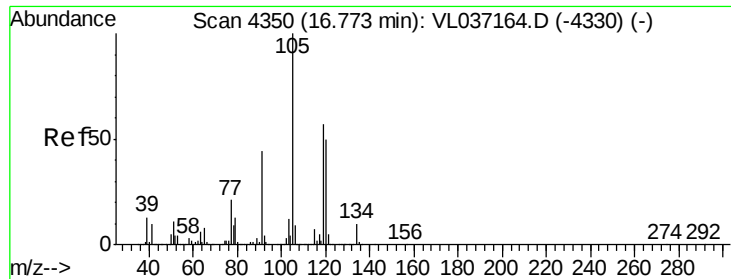
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#69
p-Isopropyltoluene
Concen: 0.131 ppbv
RT: 17.64 min Scan# 4620
Delta R.T. -0.02 min
Lab File: VL037256.D
Acq: 29 Jun 2021 19:33

Tgt Ion: 119 Resp: 91532
Ion Ratio Lower Upper
119 100
134 27.9 20.9 31.3
91 43.6 22.6 34.0#





#74
 1,2,4-Trimethylbenzene
 Concen: 0.137 ppbv
 RT: 16.75 min Scan# 4342
 Delta R.T. -0.03 min
 Lab File: VL037256.D
 Acq: 29 Jun 2021 19:33

Instrument :
 MSVOA_L
 ClientSampleId :
 SV-4DLDP

Tot Ion:	105	Resp:	76554
Ion Ratio	Lower	Upper	
105	100		
120	54.2	39.8	59.8
91	24.5	37.0	55.4
77	13.8	17.0	25.4

Manual Integrations
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