

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL110520\
 Data File : VL035862.D
 Acq On : 5 Nov 2020 15:59
 Operator : SY/AP
 Sample : L4220-07 10X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SV2

Manual Integrations
 APPROVED

MMDadoda
 11/9/2020 10:47:32 AM

Quant Time: Nov 06 00:57:51 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL110320AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Nov 0
 QLast Update : Wed Nov 04 02:40:06 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.64	49	1077953	10.00	ppbv	-0.03
33) 1,4-Difluorobenzene	7.15	114	4043364	10.00	ppbv	-0.03
55) Chlorobenzene-d5	12.06	117	3823067	10.00	ppbv	-0.04

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.39	95	2856696	10.52	ppbv	-0.03
Spiked Amount	10.000	Range	65 - 135	Recovery	=	105.20%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
9) Propene	3.00	41	44063m	0.933	ppbv	
10) Heptane	8.10	43	230538	1.767	ppbv	98
13) Ethanol	3.61	45	4800m	0.468	ppbv	
15) Acetone	3.84	43	368106	3.194	ppbv #	87
20) Methylene Chloride	4.32	84	47458	0.585	ppbv	92
26) Hexane	5.66	57	335110	2.676	ppbv #	45
27) Carbon Disulfide	4.53	76	40304m	0.215	ppbv	
52) Tetrachloroethene	11.20	164	25374	0.178	ppbv	89
53) Toluene	9.78	91	66134	0.182	ppbv	95
59) m/p-Xylene	12.95	91	77479m	0.197	ppbv	
60) o-Xylene	13.67	91	42739	0.112	ppbv	96
70) n-Butylbenzene	18.54	91	103985	0.177	ppbv	99
74) 1,2,4-Trimethylbenzene	16.74	105	46838	0.103	ppbv #	67

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

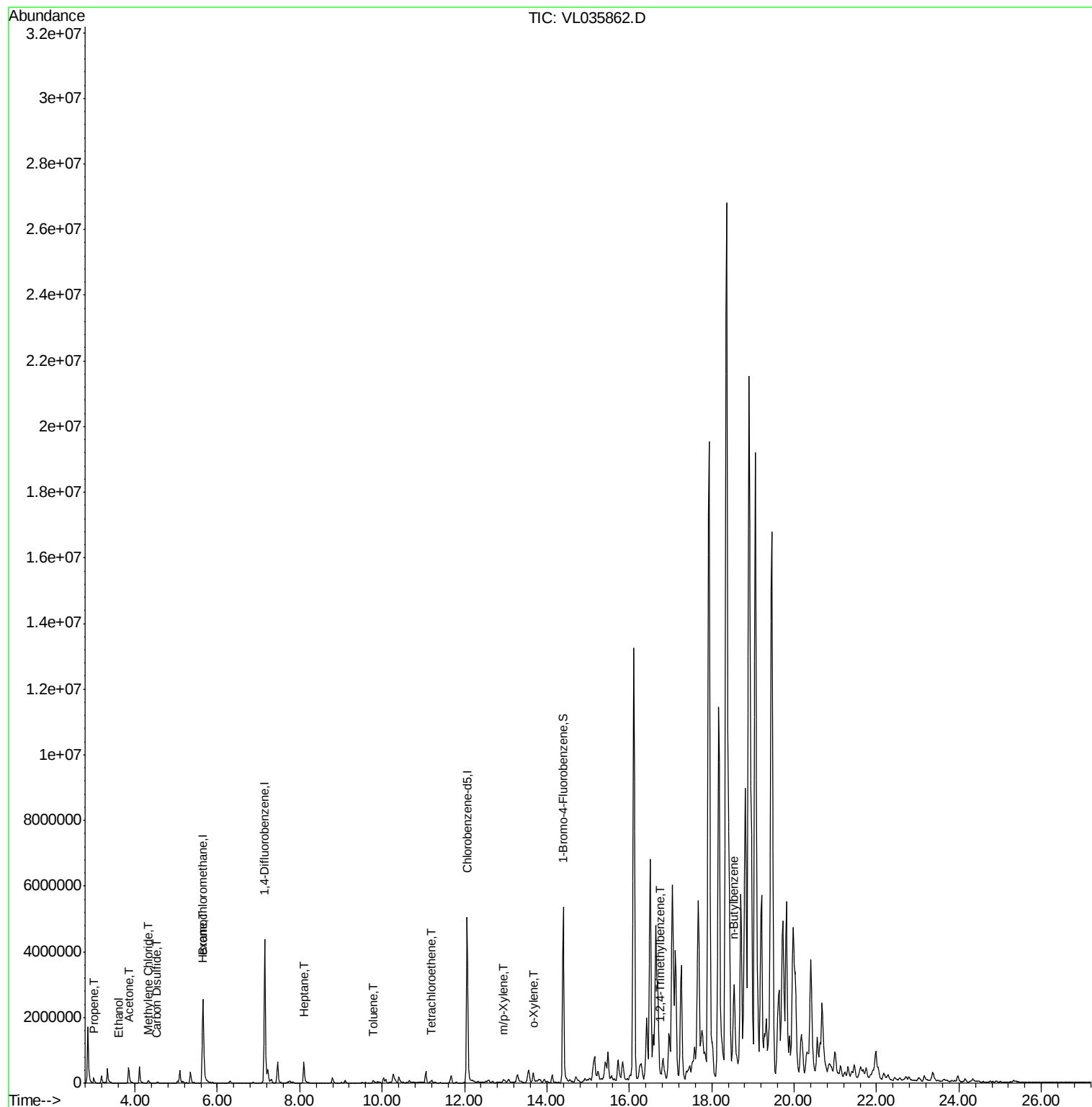
Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL110520\
Data File : VL035862.D
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Misc : 400ml/MSVOA L
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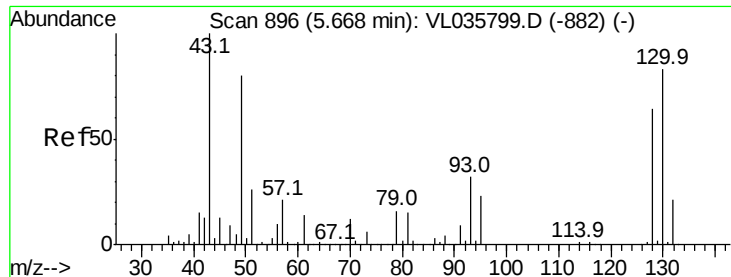
Instrument :
MSVOA_L
ClientSampleId :
SV2

Manual Integrations
APPROVED

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11/9/2020 10:47:32 AM

Quant Time: Nov 06 00:57:51 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL110320AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Nov
QLast Update : Wed Nov 04 02:40:06 2020
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.64 min Scan# 888

Delta R.T. -0.03 min

Lab File: VL035862.D

Acq: 5 Nov 2020 15:59

Instrument :

MSVOA_L

ClientSampled :

SV2

Tot Ion: 49 Resp: 1077953

Ion Ratio Lower Upper

49 100

128 80.2 41.5 124.6

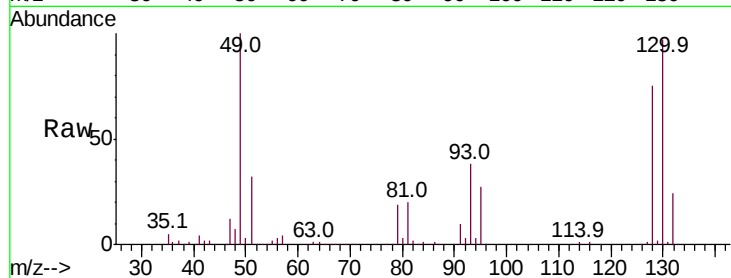
130 103.3 53.7 161.1

Manual Integrations

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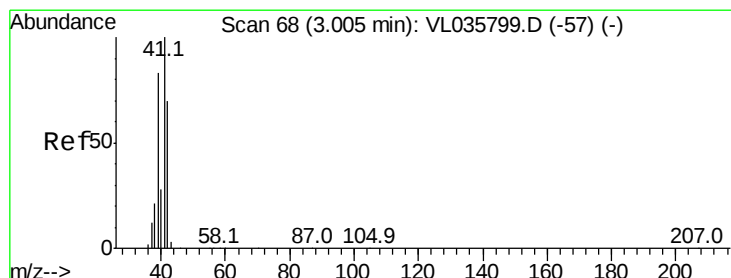
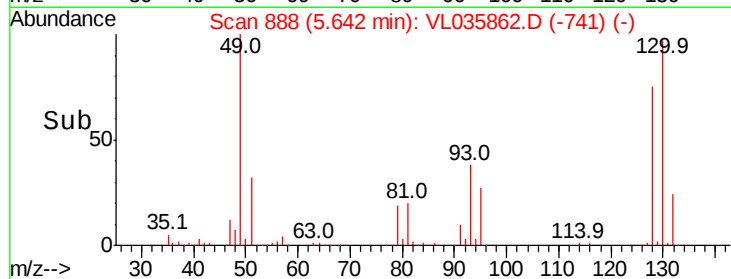
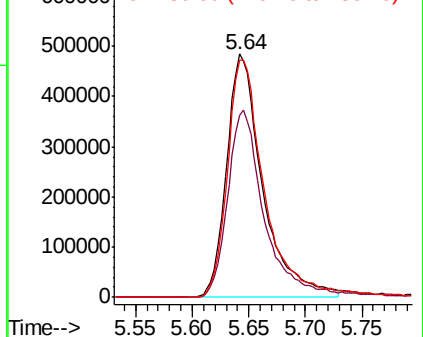
11/9/2020 10:47:32 AM



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: 0.933 ppbv m

RT: 3.00 min Scan# 67

Delta R.T. -0.00 min

Lab File: VL035862.D

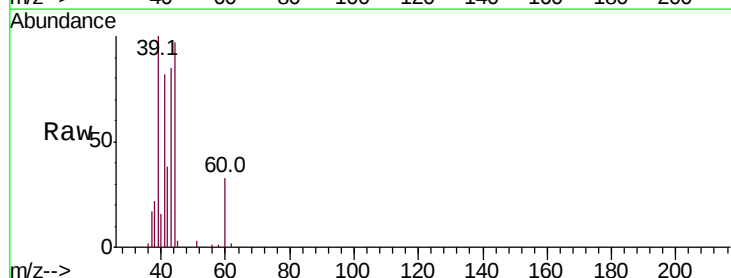
Acq: 5 Nov 2020 15:59

Tgt Ion: 41 Resp: 44063

Ion Ratio Lower Upper

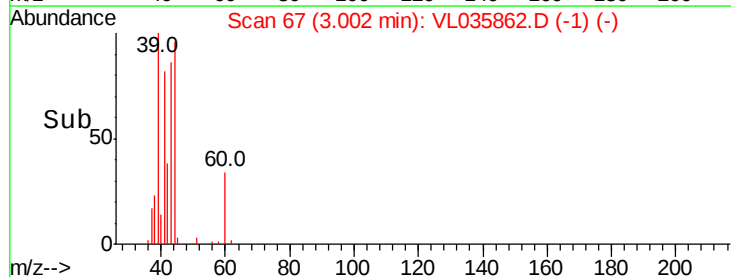
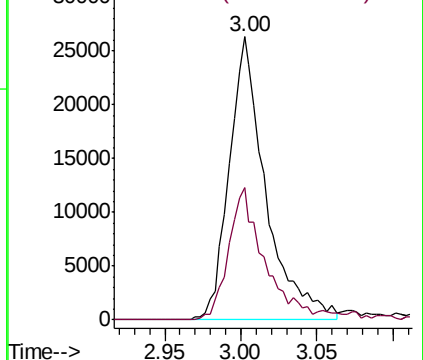
41 100

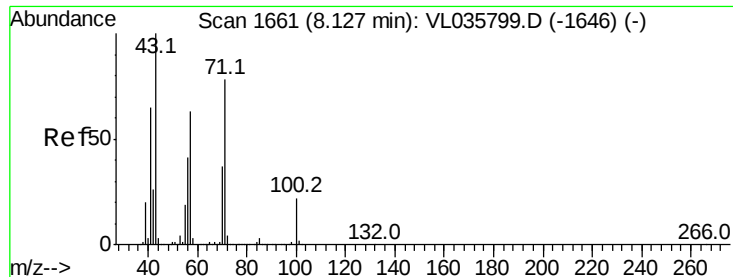
42 120.7 56.2 84.4#



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0





#10

Heptane

Concen: 1.767 ppbv

RT: 8.10 min Scan# 1652

Delta R.T. -0.03 min

Lab File: VL035862.D

Acq: 5 Nov 2020 15:59

Instrument :

MSVOA_L

ClientSampled :

SV2

Tot Ion: 43 Resp: 230538

Ion Ratio Lower Upper

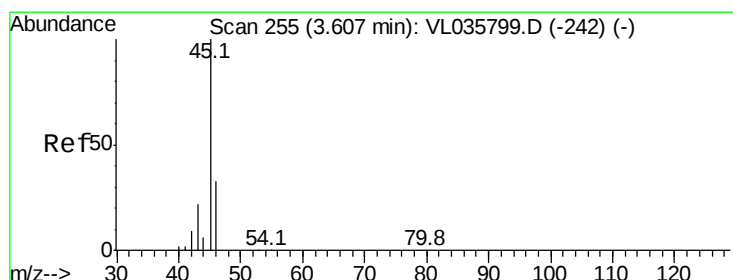
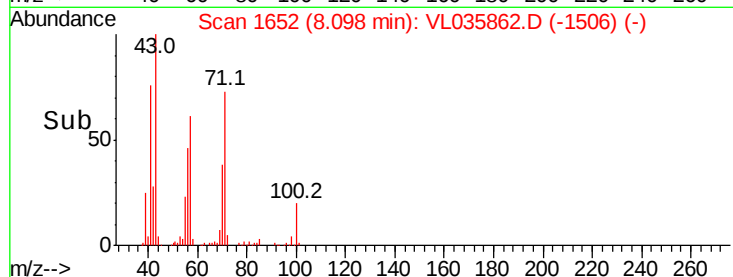
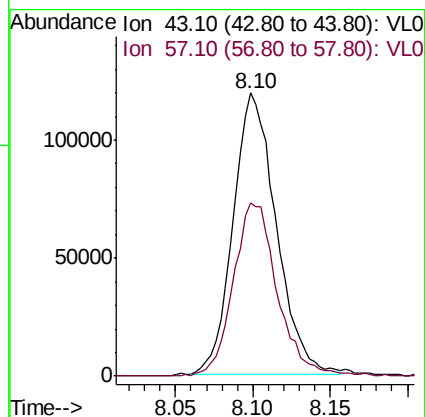
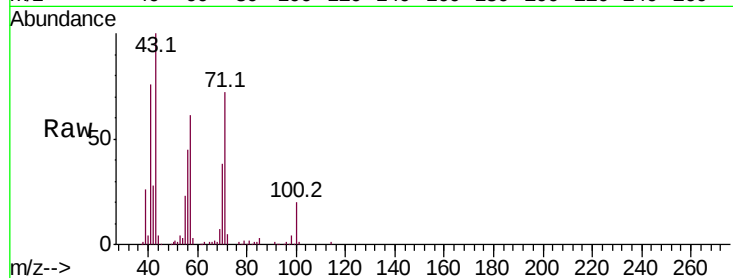
43 100

57 63.7 50.0 75.0

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#13

Ethanol

Concen: 0.468 ppbv m

RT: 3.61 min Scan# 256

Delta R.T. 0.00 min

Lab File: VL035862.D

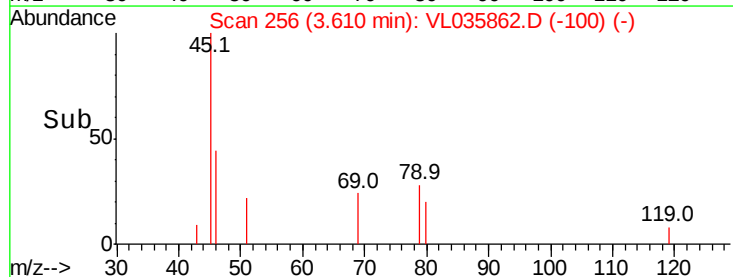
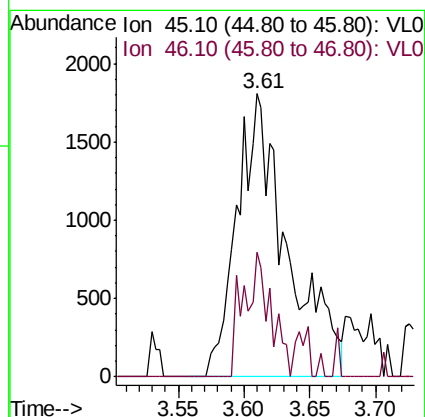
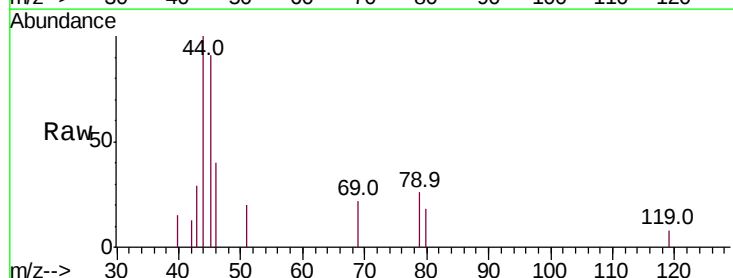
Acq: 5 Nov 2020 15:59

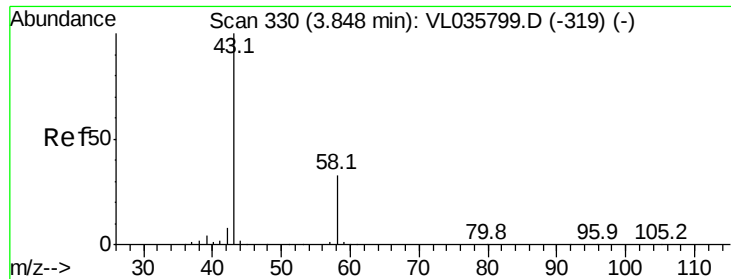
Tgt Ion: 45 Resp: 4800

Ion Ratio Lower Upper

45 100

46 0.0 16.1 64.5#





#15

Acetone

Concen: 3.194 ppbv

RT: 3.84 min Scan# 328

Delta R.T. -0.01 min

Lab File: VL035862.D

Acq: 5 Nov 2020 15:59

Instrument :

MSVOA_L

ClientSampleId :

SV2

Tot Ion: 43 Resp: 368106

Ion Ratio Lower Upper

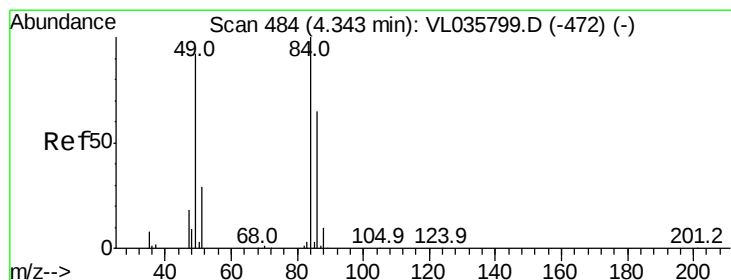
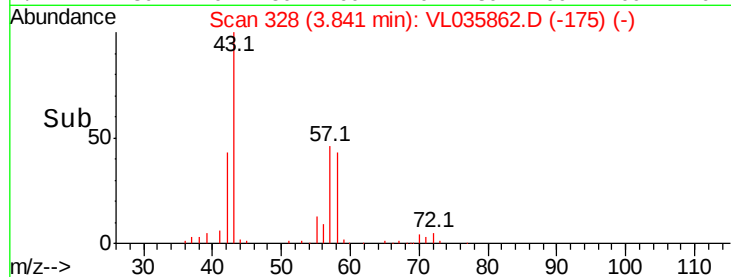
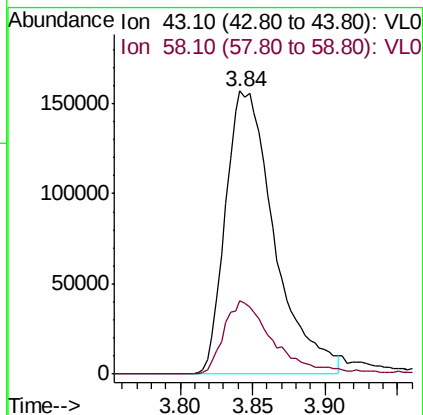
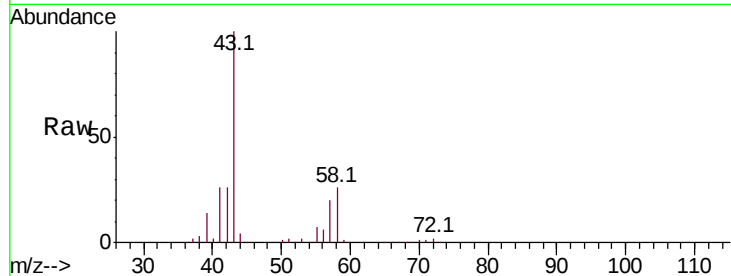
43 100

58 27.1 27.5 41.3#

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#20

Methylene Chloride

Concen: 0.585 ppbv

RT: 4.32 min Scan# 478

Delta R.T. -0.02 min

Lab File: VL035862.D

Acq: 5 Nov 2020 15:59

Tgt Ion: 84 Resp: 47458

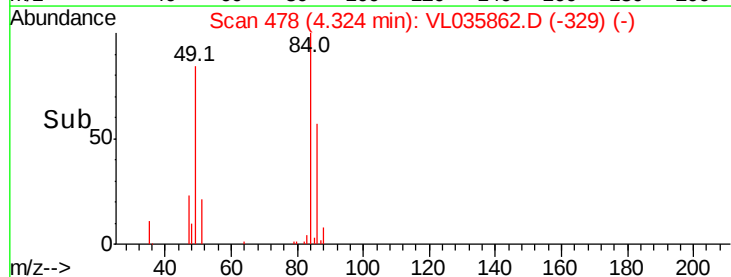
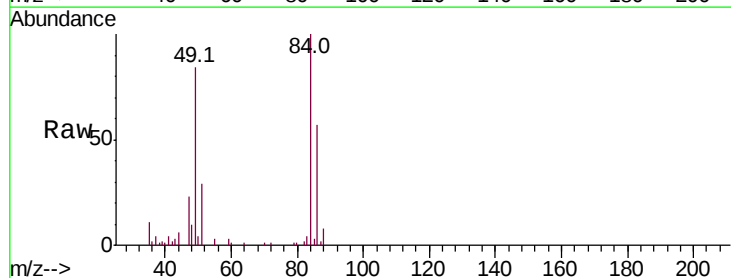
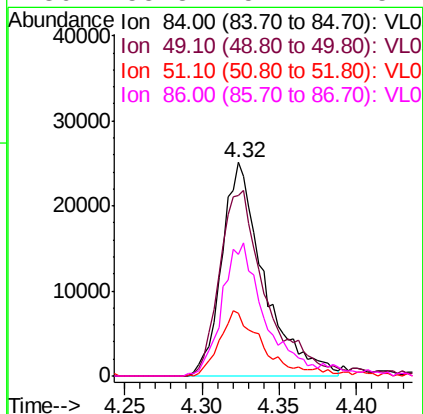
Ion Ratio Lower Upper

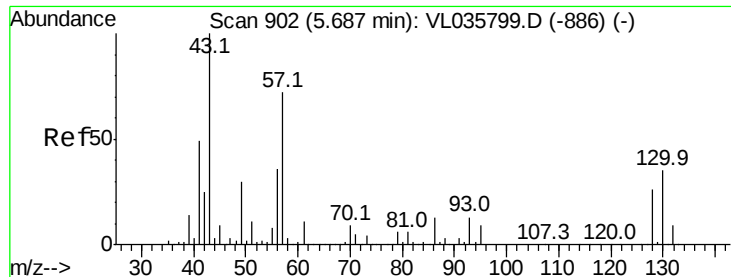
84 100

49 84.4 73.8 110.8

51 28.6 23.0 34.4

86 55.8 52.1 78.1





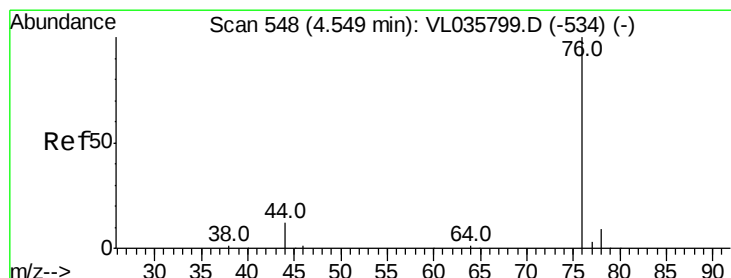
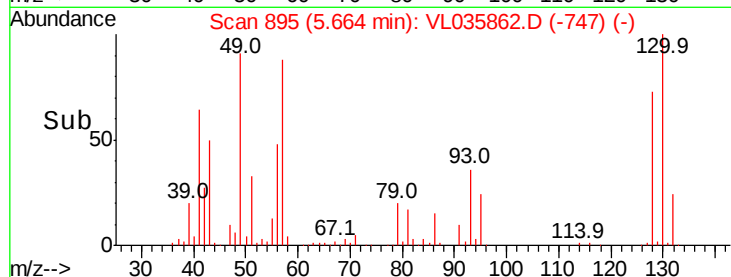
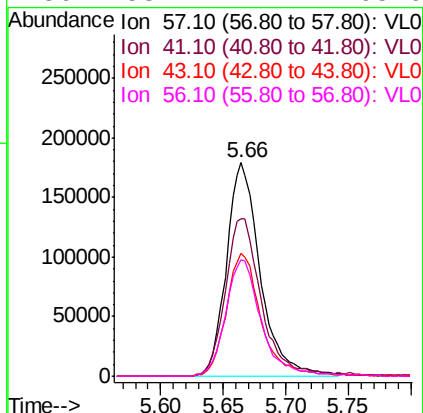
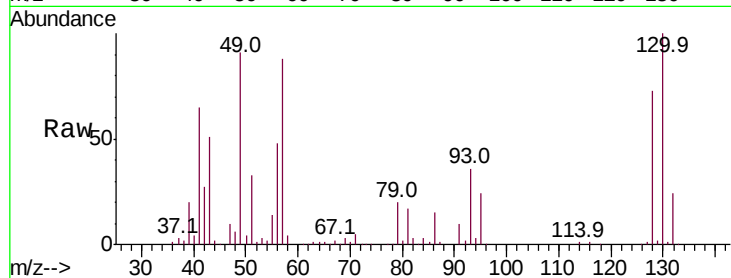
#26
Hexane
Concen: 2.676 ppbv
RT: 5.66 min Scan# 895
Delta R.T. -0.02 min
Lab File: VL035862.D
Acq: 5 Nov 2020 15:59

Instrument :
MSVOA_L
ClientSampled :
SV2

Tot Ion	Ratio	Lower	Upper
57	100		
41	79.9	58.9	88.3
43	59.7	150.2	225.2#
56	58.1	42.4	63.6

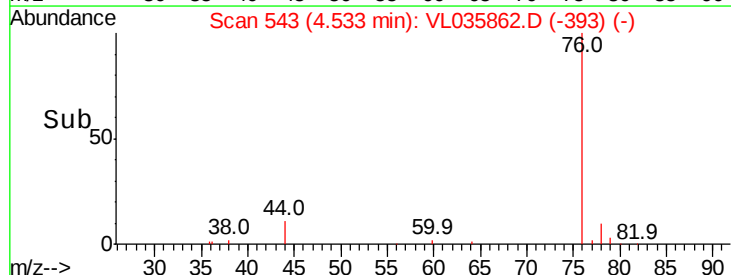
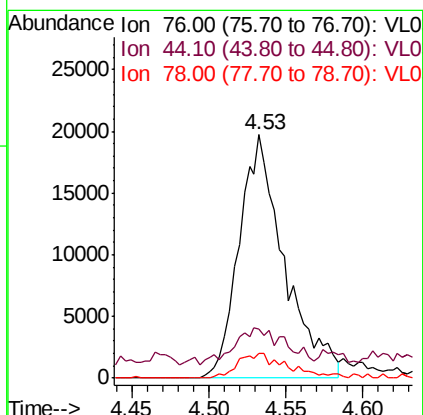
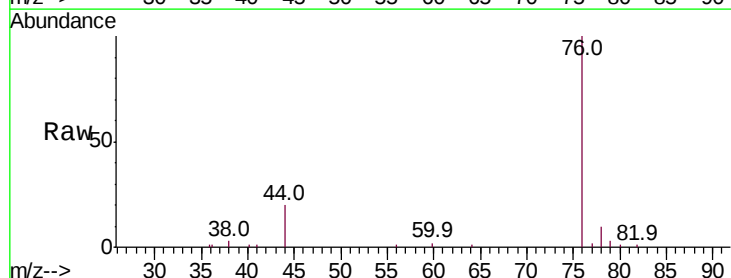
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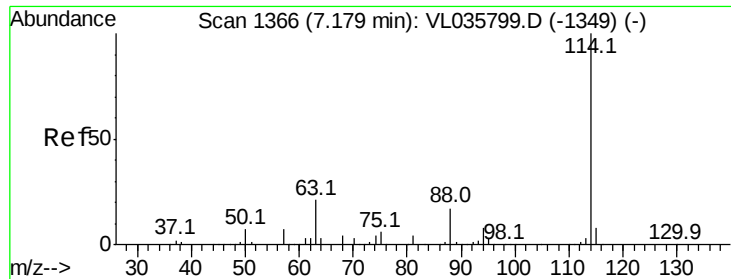
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#27
Carbon Disulfide
Concen: 0.215 ppbv m
RT: 4.53 min Scan# 543
Delta R.T. -0.02 min
Lab File: VL035862.D
Acq: 5 Nov 2020 15:59

Tgt Ion	Ratio	Lower	Upper
76	100		
44	19.8	9.9	14.9#
78	11.4	8.1	12.1





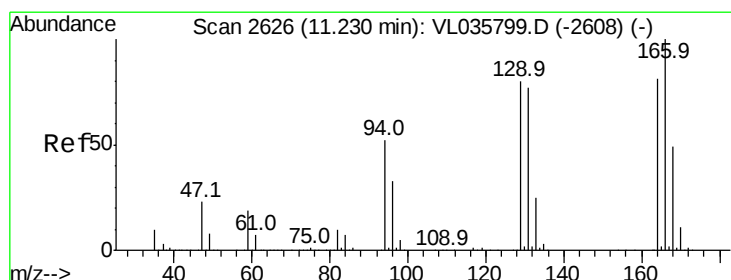
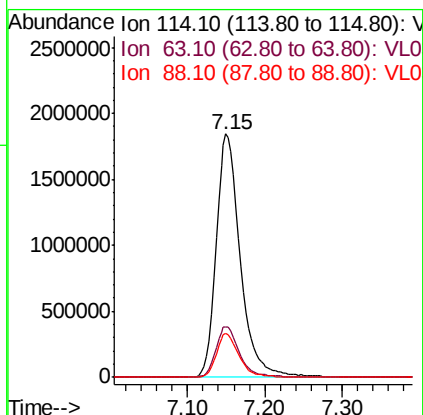
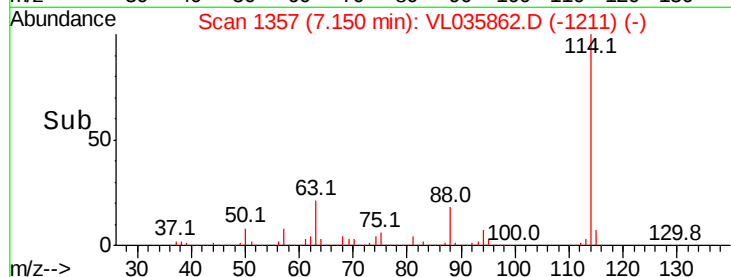
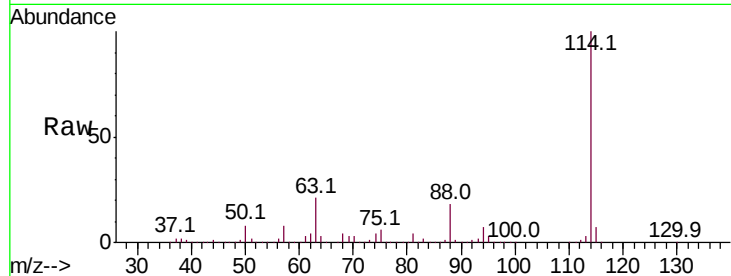
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.15 min Scan# 1357
Delta R.T. -0.03 min
Lab File: VL035862.D
Acq: 5 Nov 2020 15:59

Instrument :
MSVOA_L
ClientSampled :
SV2

Tot Ion:114 Resp: 4043364
Ion Ratio Lower Upper
114 100
63 20.6 16.1 24.1
88 17.3 13.7 20.5

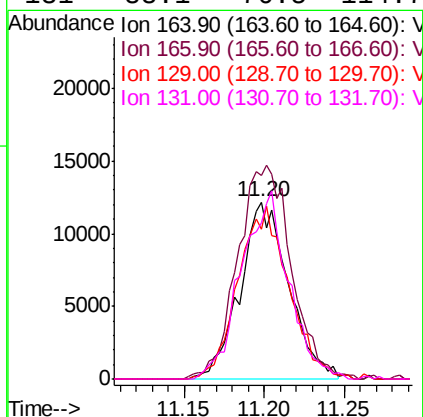
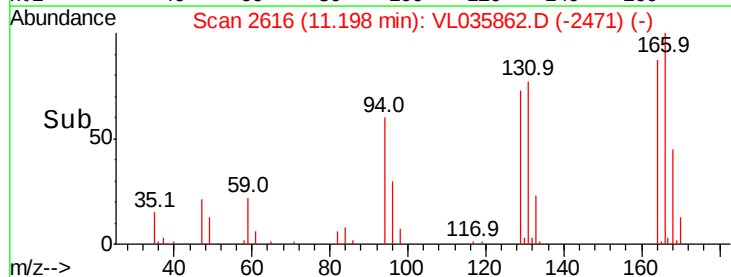
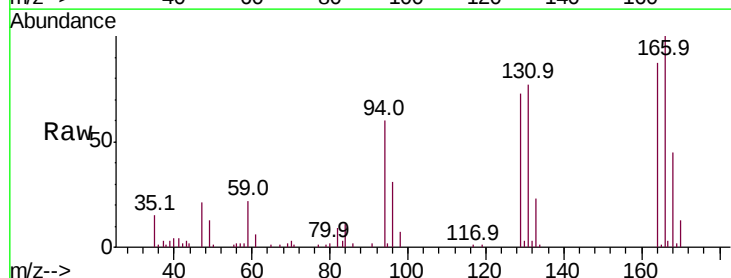
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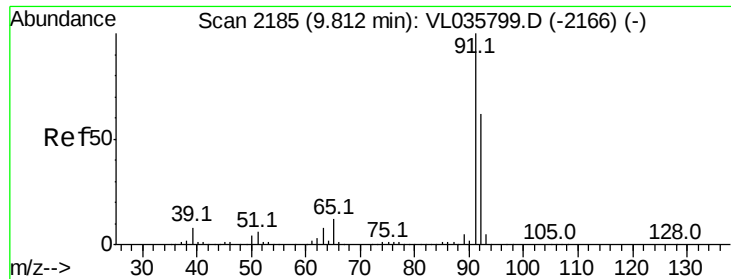
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#52
Tetrachloroethene
Concen: 0.178 ppbv
RT: 11.20 min Scan# 2616
Delta R.T. -0.03 min
Lab File: VL035862.D
Acq: 5 Nov 2020 15:59

Tgt Ion:164 Resp: 25374
Ion Ratio Lower Upper
164 100
166 113.2 99.3 148.9
129 84.3 79.3 118.9
131 88.1 76.5 114.7





#53

Toluene

Concen: 0.182 ppbv

RT: 9.78 min Scan# 2175

Delta R.T. -0.03 min

Lab File: VL035862.D

Acq: 5 Nov 2020 15:59

Instrument :

MSVOA_L

ClientSampleId :

SV2

Tot Ion: 91 Resp: 66134

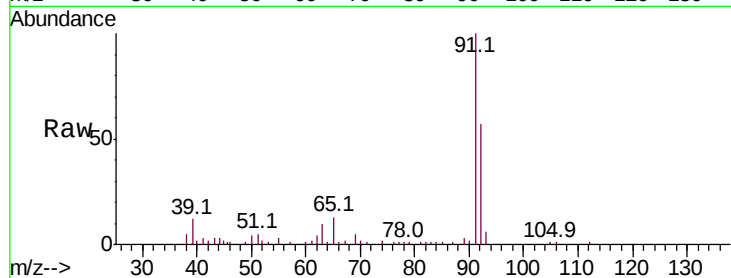
Ion Ratio Lower Upper

91 100

92 58.6 49.8 74.6

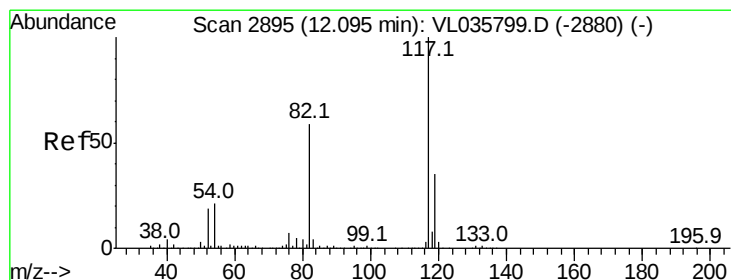
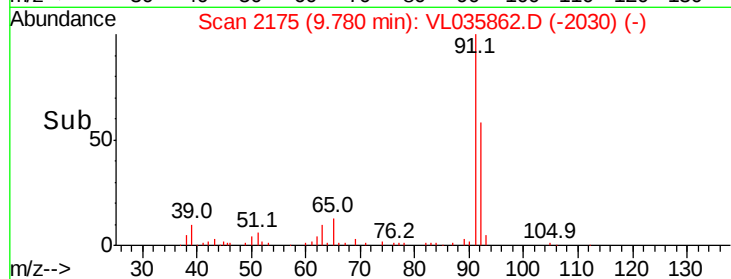
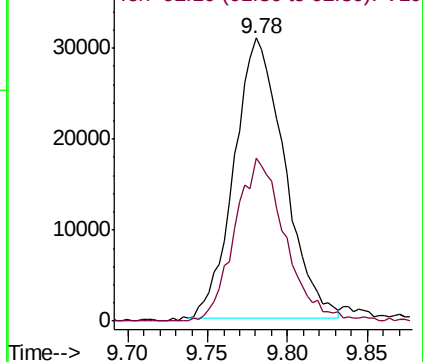
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Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.06 min Scan# 2884

Delta R.T. -0.04 min

Lab File: VL035862.D

Acq: 5 Nov 2020 15:59

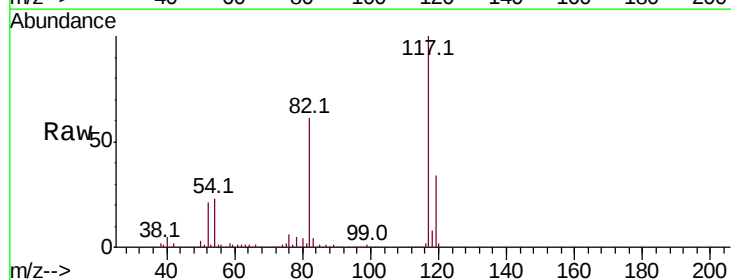
Tgt Ion: 117 Resp: 3823067

Ion Ratio Lower Upper

117 100

82 60.9 50.6 76.0

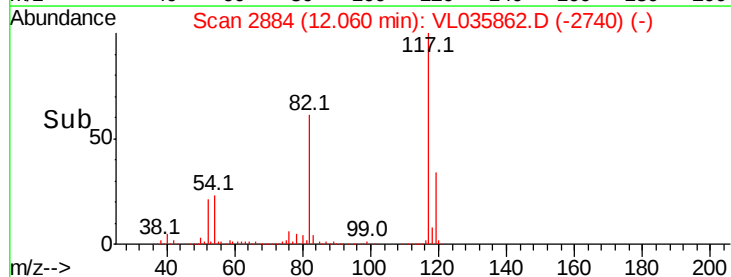
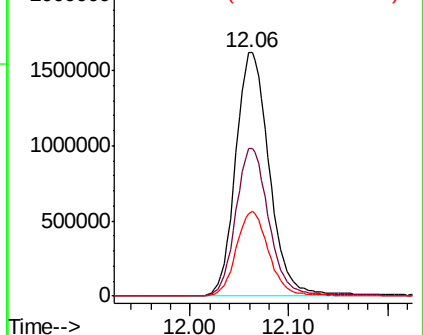
119 34.6 52.6 78.8#

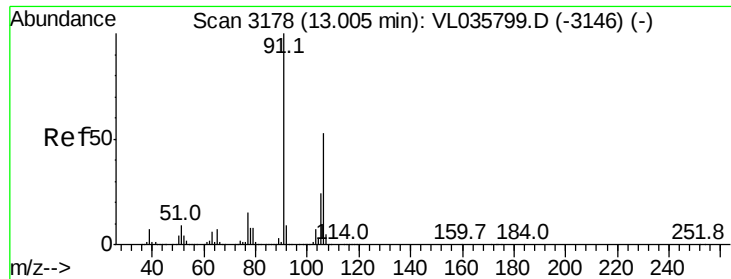


Abundance Ion 117.10 (116.80 to 117.80): V

Ion 82.10 (81.80 to 82.80): VL0

Ion 119.10 (118.80 to 119.80): V





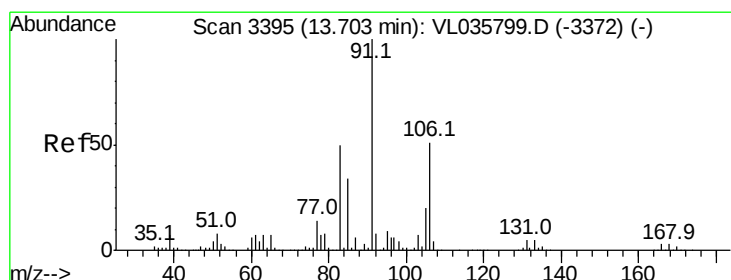
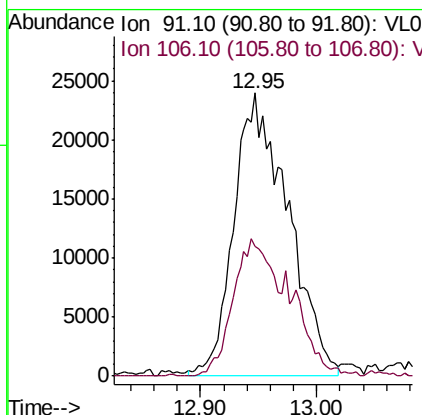
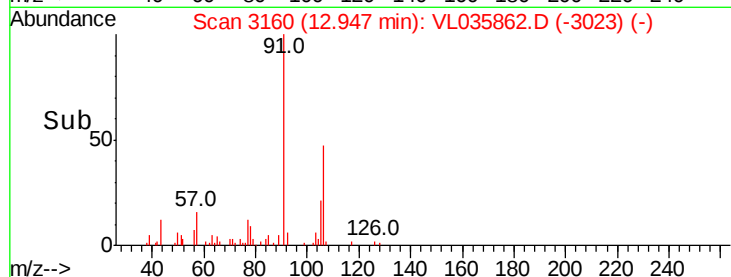
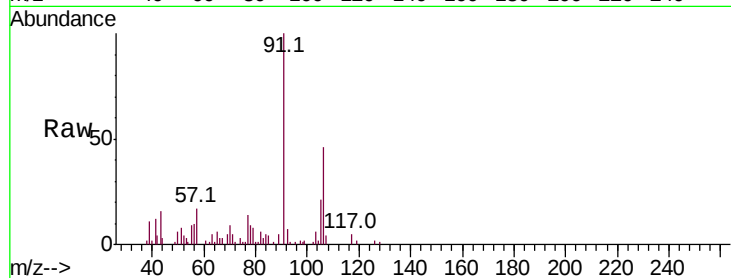
#59
m/p-Xylene
Concen: 0.197 ppbv m
RT: 12.95 min Scan# 3160
Delta R.T. -0.06 min
Lab File: VL035862.D
Acq: 5 Nov 2020 15:59

Instrument :
MSVOA_L
ClientSampled :
SV2

Tot Ion: 91 Resp: 77479
Ion Ratio Lower Upper
91 100
106 0.0 39.5 59.3#

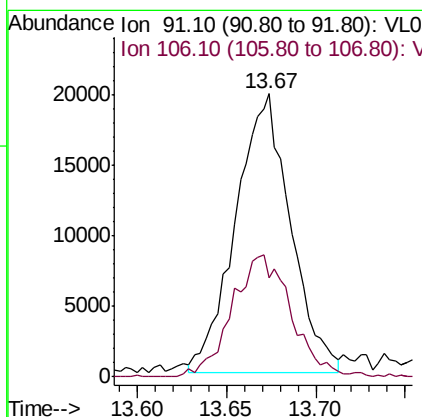
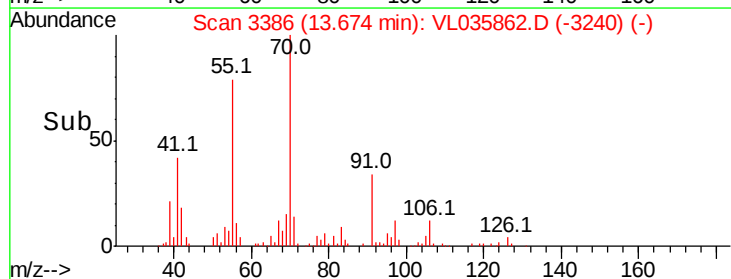
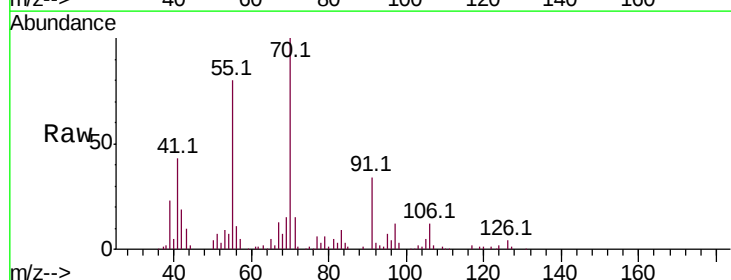
Manual Integrations
APPROVED

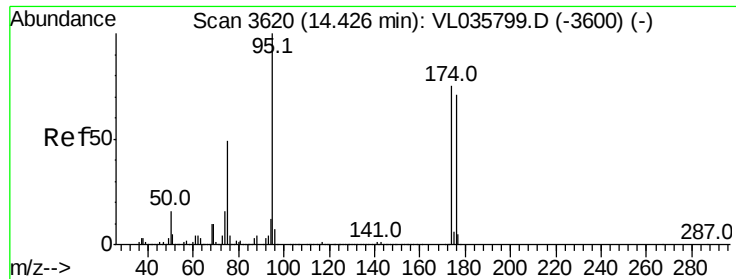
MMDadoda
11/9/2020 10:47:32 AM



#60
o-Xylene
Concen: 0.112 ppbv
RT: 13.67 min Scan# 3386
Delta R.T. -0.03 min
Lab File: VL035862.D
Acq: 5 Nov 2020 15:59

Tgt Ion: 91 Resp: 42739
Ion Ratio Lower Upper
91 100
106 47.0 24.8 74.4





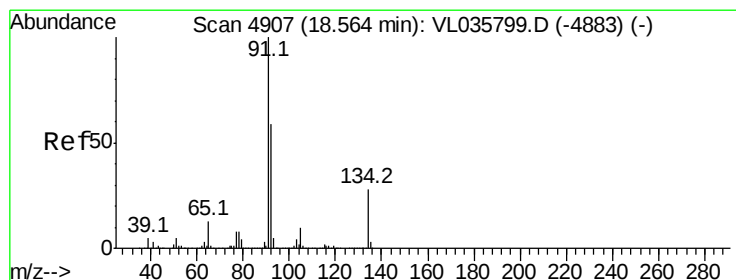
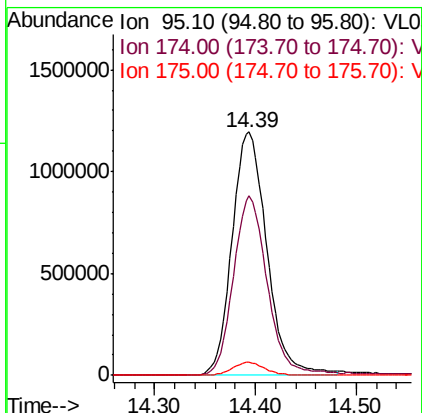
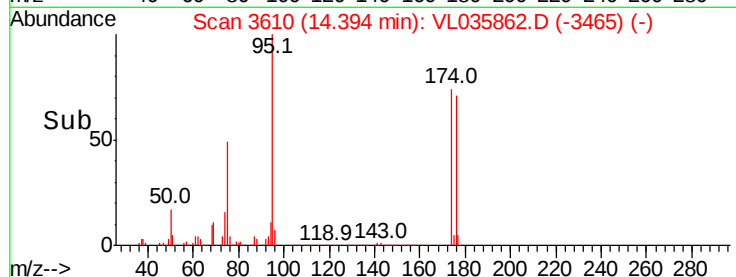
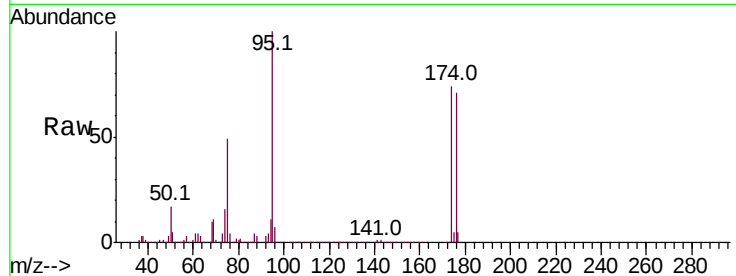
#68
1-Bromo-4-Fluorobenzene
Concen: 10.517 ppbv
RT: 14.39 min Scan# 3610
Delta R.T. -0.03 min
Lab File: VL035862.D
Acq: 5 Nov 2020 15:59

Instrument :
MSVOA_L
ClientSampled :
SV2

Tot Ion: 95 Resp: 2856696
Ion Ratio Lower Upper
95 100
174 73.7 59.8 89.6
175 5.3 4.3 6.5

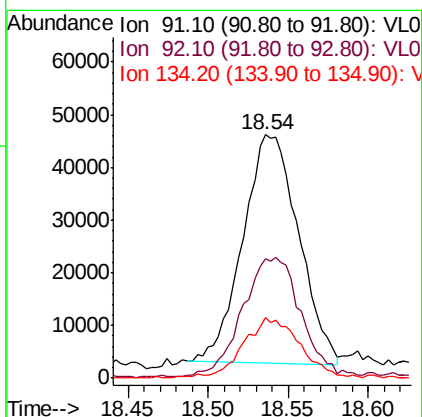
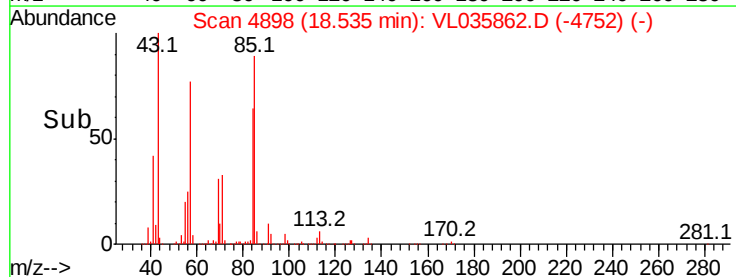
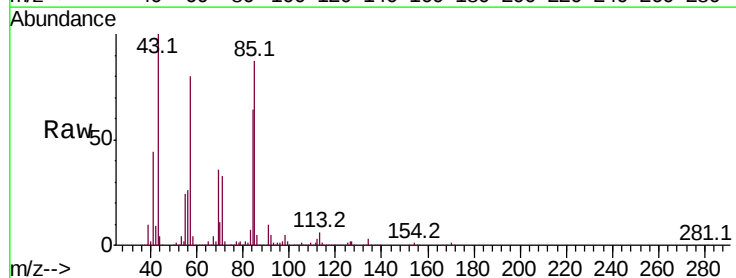
Manual Integrations
APPROVED

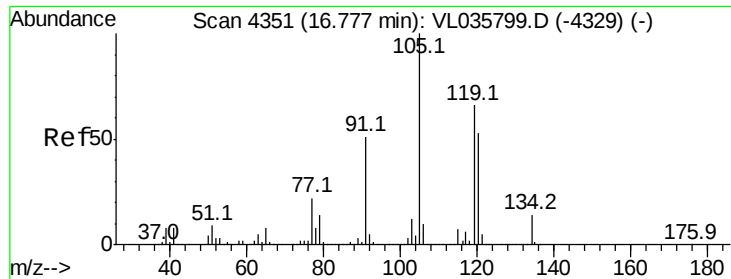
MMDadoda
11/9/2020 10:47:32 AM



#70
n-Butylbenzene
Concen: 0.177 ppbv
RT: 18.54 min Scan# 4898
Delta R.T. -0.03 min
Lab File: VL035862.D
Acq: 5 Nov 2020 15:59

Tgt Ion: 91 Resp: 103985
Ion Ratio Lower Upper
91 100
92 56.5 45.7 68.5
134 27.5 21.0 31.4





#74
 1,2,4-Trimethylbenzene
 Concen: 0.103 ppbv
 RT: 16.74 min Scan# 4341
 Delta R.T. -0.03 min
 Lab File: VL035862.D
 Acq: 5 Nov 2020 15:59

Instrument :
 MSVOA_L
 ClientSampleId :
 SV2

Tot Ion:	105	Resp:	46838
Ion Ratio	Lower	Upper	
105	100		
120	45.8	42.0	63.0
91	8.0	41.0	61.6#
77	11.6	17.3	25.9#

Manual Integrations
 APPROVED

MMDadoda
 11/9/2020 10:47:32 AM

