

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL081720\
 Data File : VL035434.D
 Acq On : 18 Aug 2020 2:30
 Operator : SY/AP
 Sample : L3699-01
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 DR-1

Manual Integrations
 APPROVED

MMDadoda
 8/20/2020 11:06:03 AM

Quant Time: Aug 19 16:47:00 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL081720AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Aug 19 2020
 QLast Update : Mon Aug 17 19:28:30 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.68	49	1153082	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.19	114	5310059	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.11	117	5259706	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.45	95	3821361	10.38	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	103.80%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.05	85	57238	0.268	ppbv	94
3) Chlorodifluoromethane	2.99	51	44263m	0.306	ppbv	
4) Chloromethane	3.14	50	19011	0.252	ppbv #	84
9) Propene	3.02	41	985551	16.959	ppbv #	66
10) Heptane	8.14	43	389748	2.558	ppbv #	81
11) Trichlorofluoromethane	3.96	101	97463	0.291	ppbv	99
13) Ethanol	3.66	45	19495448	915.666	ppbv	82
15) Acetone	3.85	43	2544261m	19.170	ppbv	
17) tert-Butyl alcohol	4.36	59	634692m	3.700	ppbv	
20) Methylene Chloride	4.35	84	668184	6.240	ppbv #	65
26) Hexane	5.70	57	410926	2.820	ppbv #	32
27) Carbon Disulfide	4.56	76	123114	0.584	ppbv #	91
29) Chloroform	5.76	83	60607	0.207	ppbv	98
30) Cyclohexane	7.14	84	103183	0.638	ppbv #	57
34) 2-Butanone	5.26	43	254822	1.436	ppbv #	72
35) Carbon Tetrachloride	7.03	117	23446	0.083	ppbv	98
36) Benzene	6.90	78	407738	1.046	ppbv #	91
41) Tetrahydrofuran	6.06	42	60551m	0.619	ppbv	
44) 2,2,4-Trimethylpentane	7.89	57	684085	1.344	ppbv #	89
52) Tetrachloroethene	11.25	164	373019	1.569	ppbv #	82
53) Toluene	9.83	91	3021164	6.019	ppbv	100
58) Ethyl Benzene	12.74	91	1832320	2.886	ppbv #	89
59) m/p-Xylene	13.00	91	4975855	9.271	ppbv #	81
60) o-Xylene	13.72	91	2297777	4.405	ppbv	87
61) Styrene	13.55	104	49377	0.117	ppbv #	89
62) Isopropylbenzene	14.70	105	374646	0.438	ppbv	95
64) n-propylbenzene	15.59	120	674250	2.559	ppbv #	63
65) tert-Butylbenzene	16.80	119	1334254	1.606	ppbv #	88
67) sec-Butylbenzene	17.33	105	242288	0.222	ppbv	93
69) p-Isopropyltoluene	17.69	119	241372m	0.249	ppbv	
70) n-Butylbenzene	18.59	91	819795	0.895	ppbv #	56
72) 4-Ethyltoluene	15.87	105	3561703	5.203	ppbv #	91
73) 1,3,5-Trimethylbenzene	16.03	105	2946626	4.626	ppbv #	86
74) 1,2,4-Trimethylbenzene	16.80	105	9027409	13.043	ppbv #	68
79) Naphthalene	22.25	128	831209	0.853	ppbv	97
80) Naphthalene,2-methyl-	25.00	142	67869m	0.169	ppbv	

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

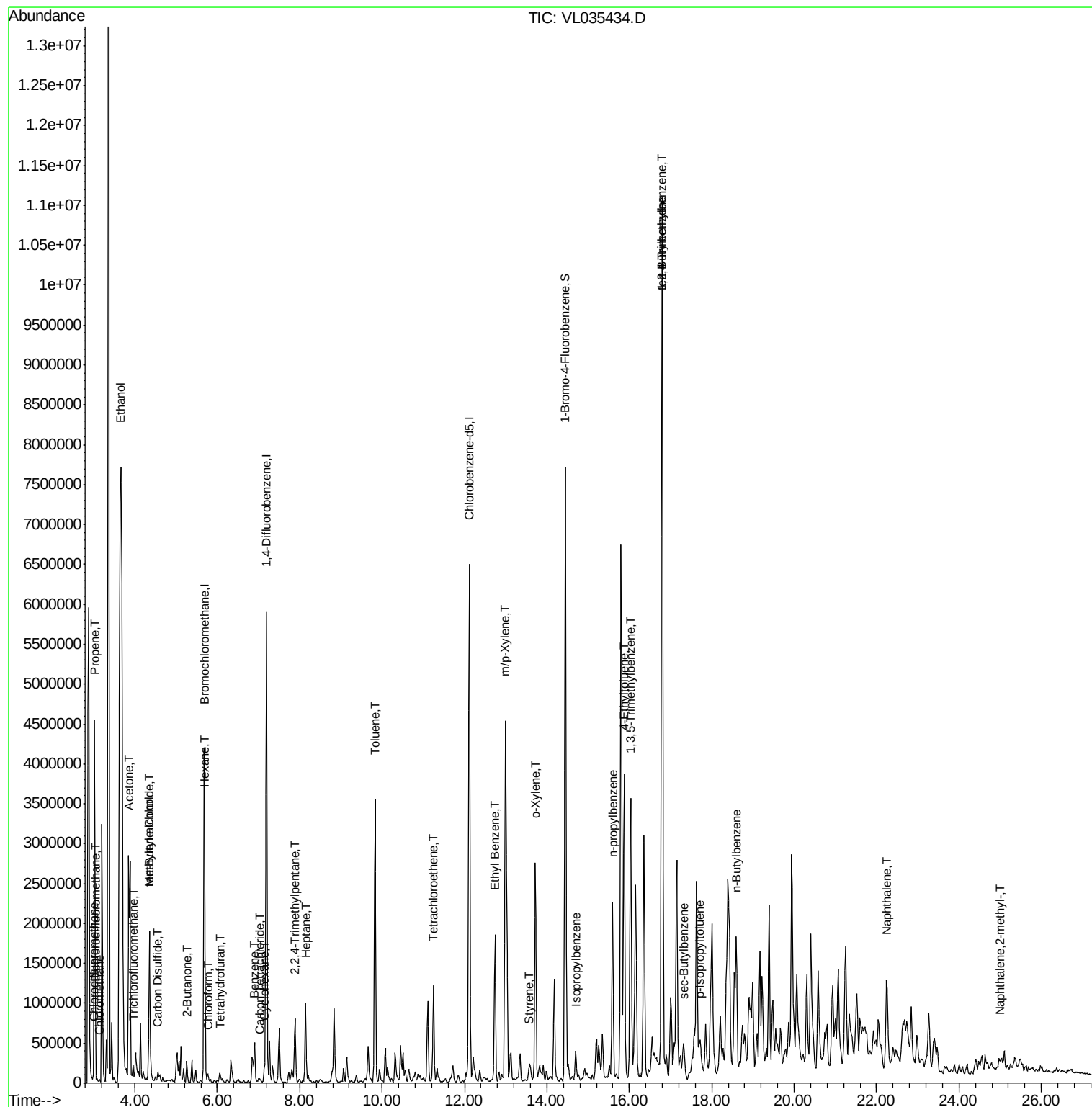
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL081720\
Data File : VL035434.D
Acq On : 18 Aug 2020 2:30
Operator : SY/AP
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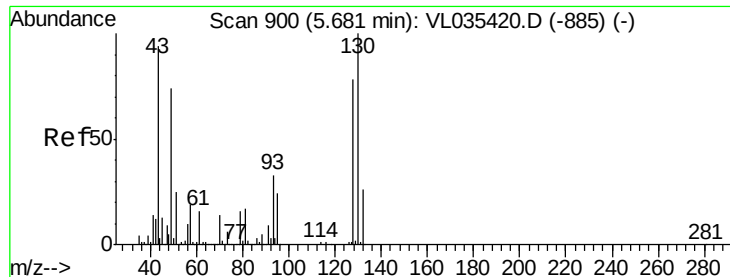
Instrument :
MSVOA_L
ClientSampleId :
DR-1

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8/20/2020 11:06:03 AM

Quant Time: Aug 19 16:47:00 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL081720AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Aug
QLast Update : Mon Aug 17 19:28:30 2020
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.68 min Scan# 900

Delta R.T. 0.01 min

Lab File: VL035434.D

Acq: 18 Aug 2020 2:30

Instrument :

MSVOA_L

ClientSampleId :

DR-1

Tot Ion: 49 Resp: 1153082

Ion Ratio Lower Upper

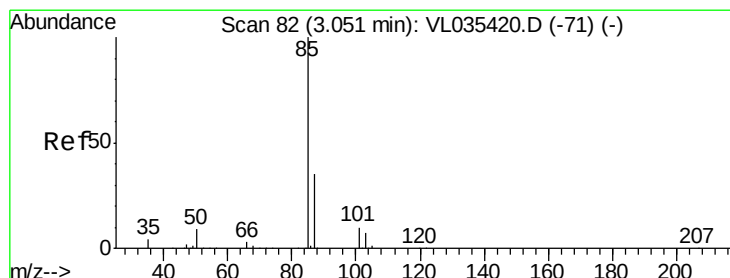
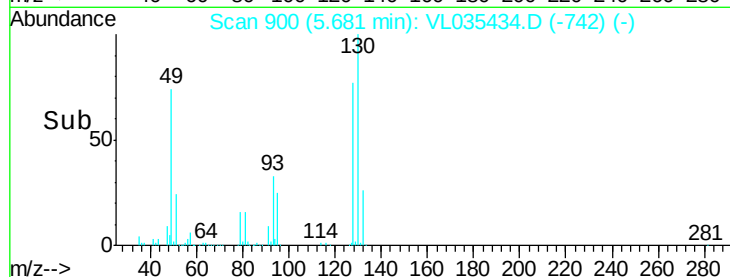
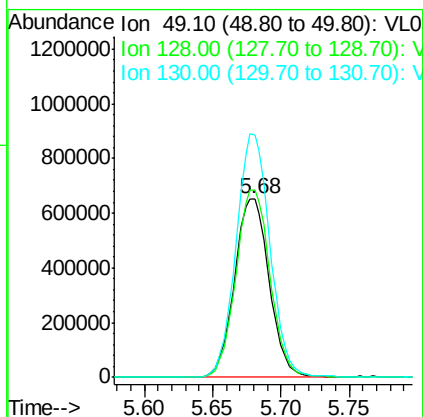
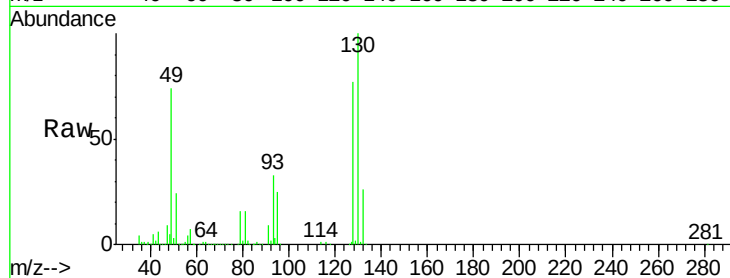
49 100

128 103.7 20.9 62.7#

130 134.3 26.7 80.1#

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#2

Dichlorodifluoromethane

Concen: 0.268 ppbv

RT: 3.05 min Scan# 82

Delta R.T. 0.01 min

Lab File: VL035434.D

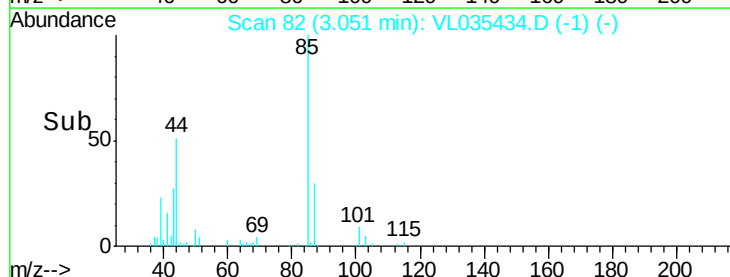
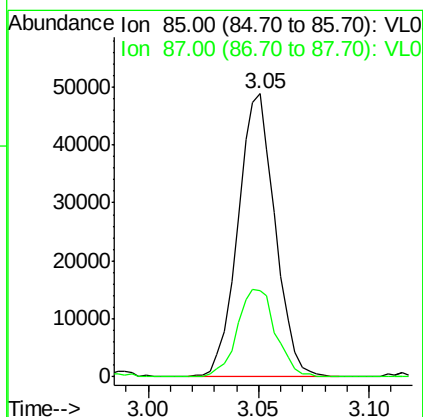
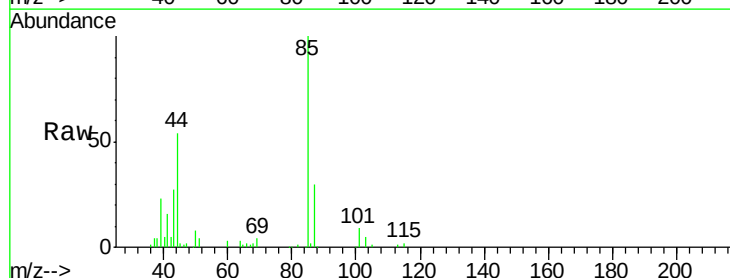
Acq: 18 Aug 2020 2:30

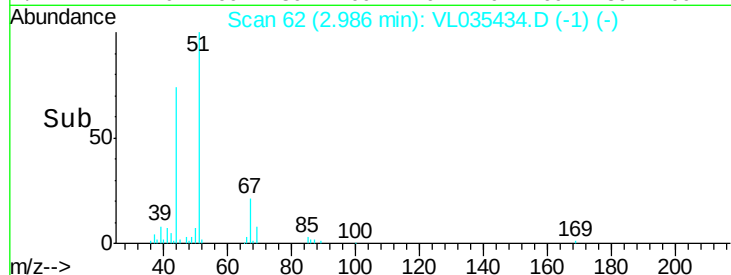
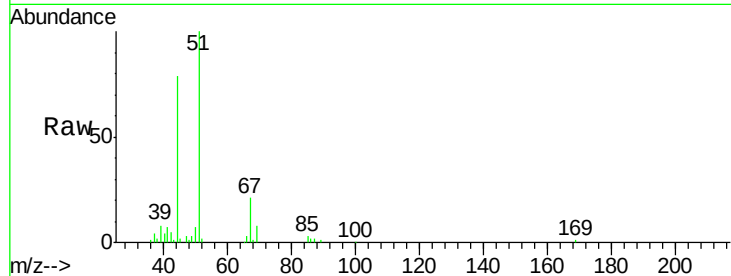
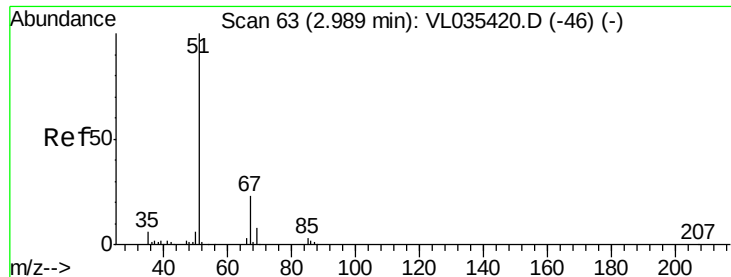
Tgt Ion: 85 Resp: 57238

Ion Ratio Lower Upper

85 100

87 30.3 27.1 40.7





#3

Chlorodifluoromethane

Concen: 0.306 ppbv m

RT: 2.99 min Scan# 62

Delta R.T. 0.00 min

Lab File: VL035434.D

Acq: 18 Aug 2020 2:30

Tot Ion: 51 Resp: 44263

Ion Ratio Lower Upper

51 100

67 20.0 15.0 22.6

Instrument :

MSVOA_L

ClientSampleId :

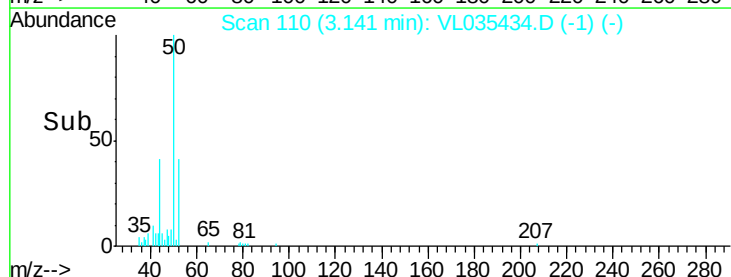
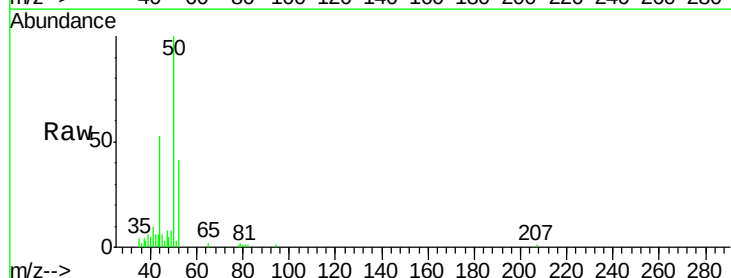
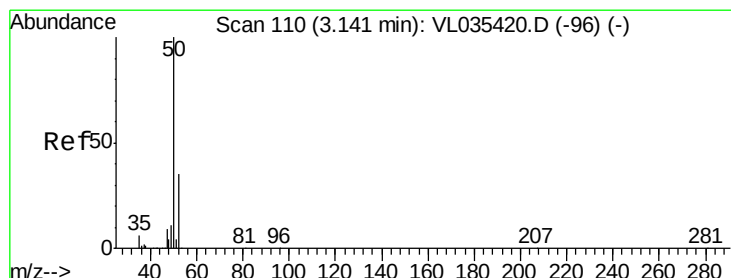
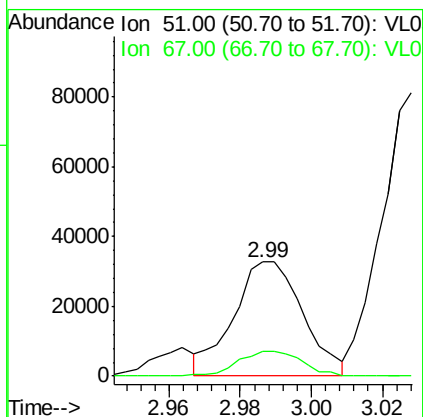
DR-1

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#4

Chloromethane

Concen: 0.252 ppbv

RT: 3.14 min Scan# 110

Delta R.T. 0.01 min

Lab File: VL035434.D

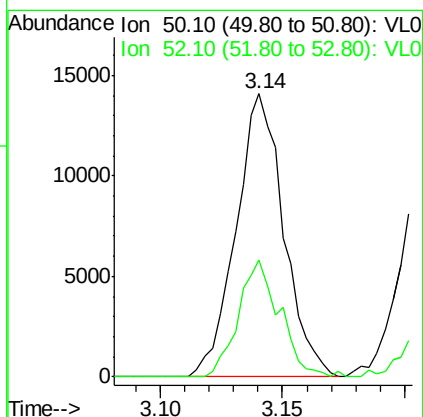
Acq: 18 Aug 2020 2:30

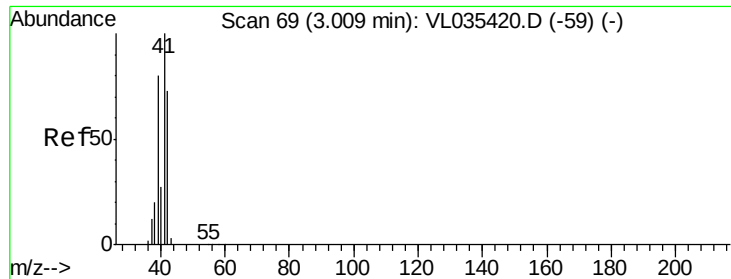
Tgt Ion: 50 Resp: 19011

Ion Ratio Lower Upper

50 100

52 41.4 25.9 38.9#





#9

Propene

Concen: 16.959 ppbv

RT: 3.02 min Scan# 73

Delta R.T. 0.02 min

Lab File: VL035434.D

Acq: 18 Aug 2020 2:30

Instrument :

MSVOA_L

ClientSampleId :

DR-1

Tot Ion: 41 Resp: 985551

Ion Ratio Lower Upper

41 100

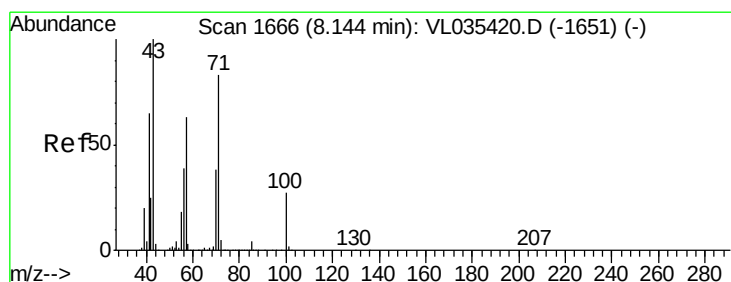
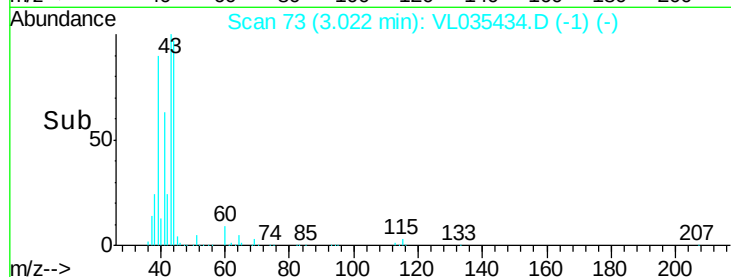
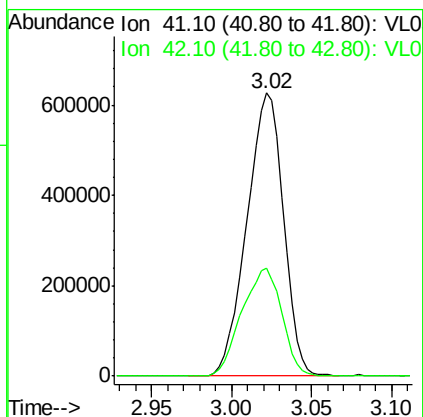
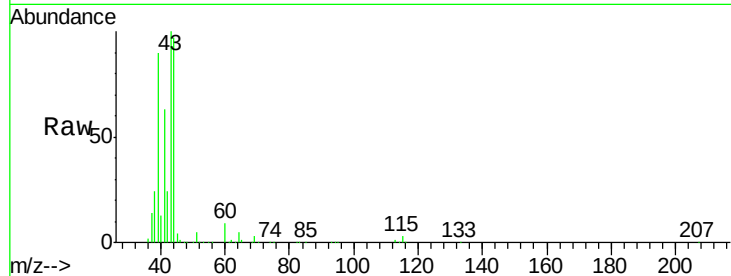
42 41.7 55.5 83.3#

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#10

Heptane

Concen: 2.558 ppbv

RT: 8.14 min Scan# 1665

Delta R.T. 0.00 min

Lab File: VL035434.D

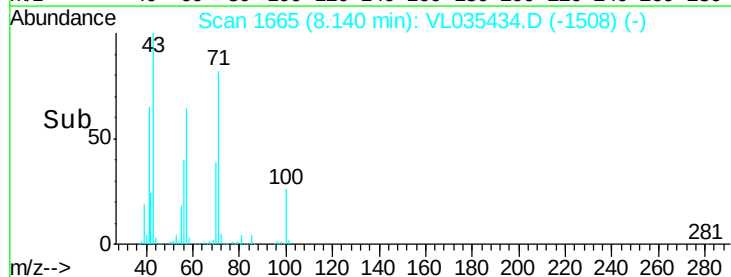
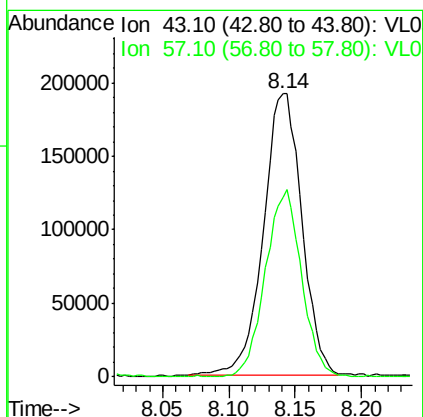
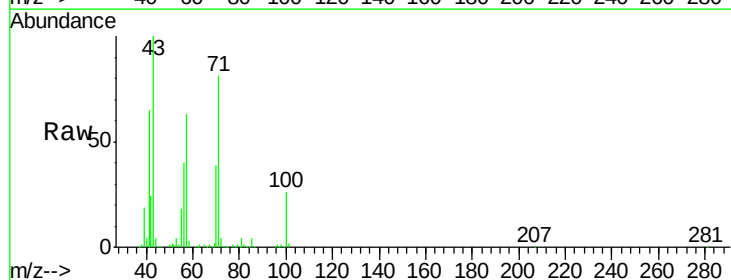
Acq: 18 Aug 2020 2:30

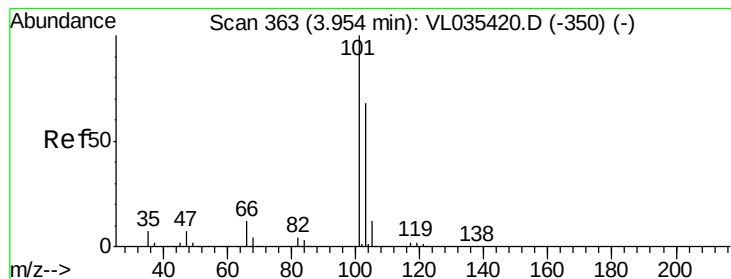
Tgt Ion: 43 Resp: 389748

Ion Ratio Lower Upper

43 100

57 62.7 39.8 59.6#





#11

Trichlorofluoromethane

Concen: 0.291 ppbv

RT: 3.96 min Scan# 364

Delta R.T. 0.01 min

Lab File: VL035434.D

Acq: 18 Aug 2020 2:30

Instrument :

MSVOA_L

ClientSampled :

DR-1

Tot Ion:101 Resp: 97463

Ion Ratio Lower Upper

101 100

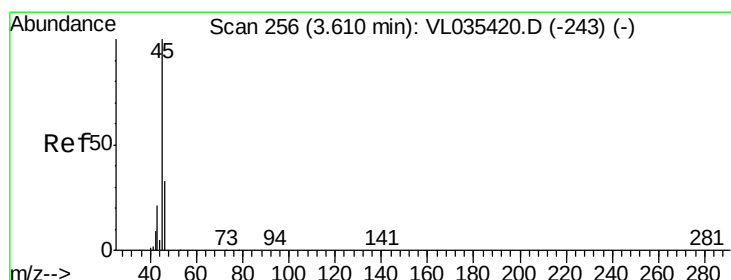
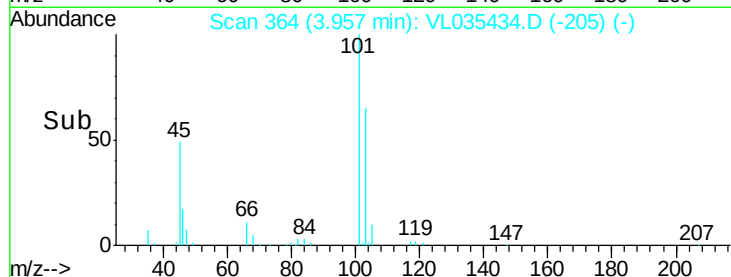
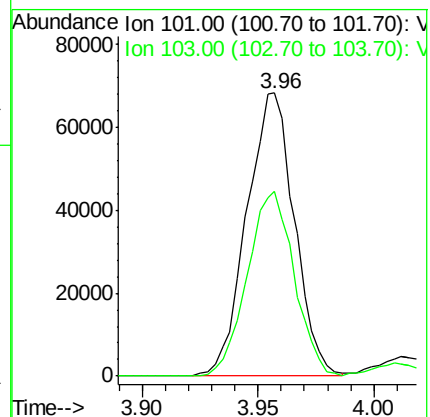
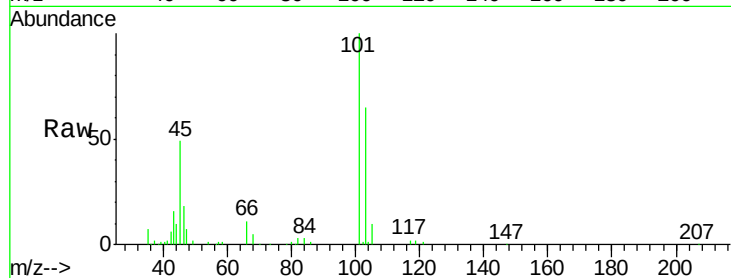
103 65.3 52.6 78.8

Manual Integrations

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#13

Ethanol

Concen: 915.666 ppbv

RT: 3.66 min Scan# 270

Delta R.T. 0.05 min

Lab File: VL035434.D

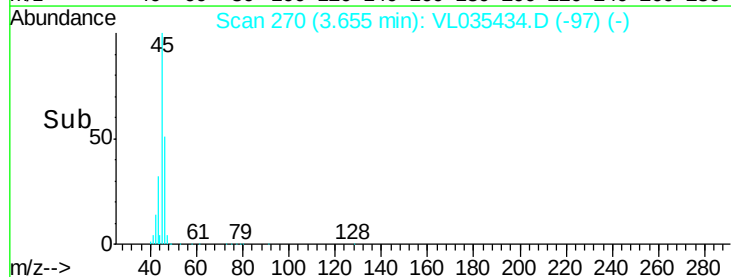
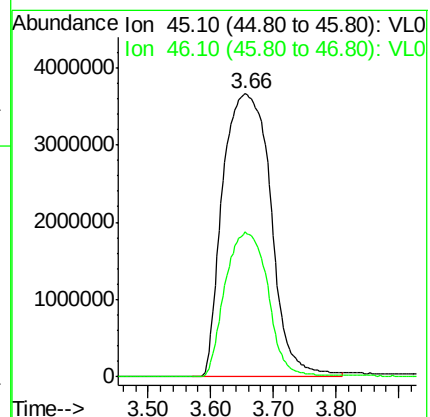
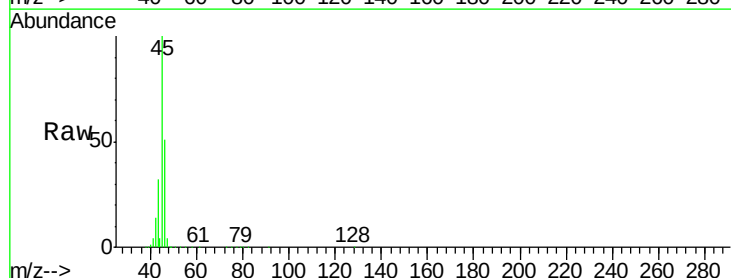
Acq: 18 Aug 2020 2:30

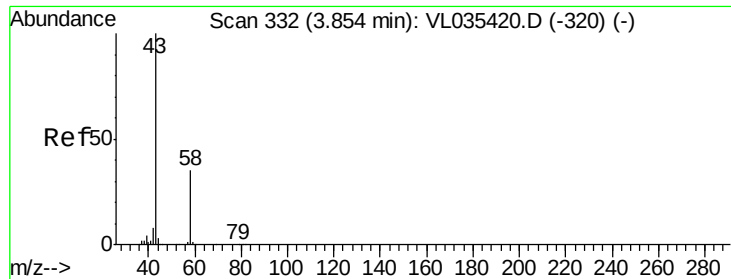
Tgt Ion: 45 Resp:19495448

Ion Ratio Lower Upper

45 100

46 45.7 14.2 56.6





#15

Acetone

Concen: 19.170 ppbv m

RT: 3.85 min Scan# 331

Delta R.T. 0.00 min

Lab File: VL035434.D

Acq: 18 Aug 2020 2:30

Instrument :

MSVOA_L

ClientSampled :

DR-1

Tot Ion: 43 Resp: 2544261

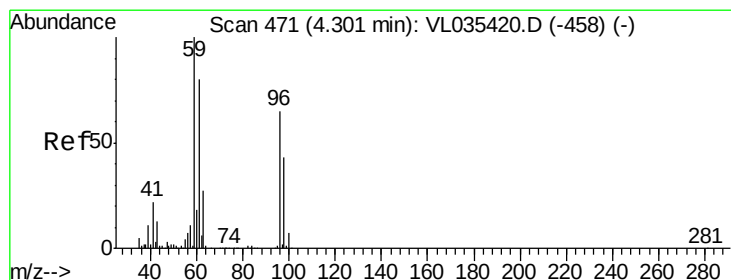
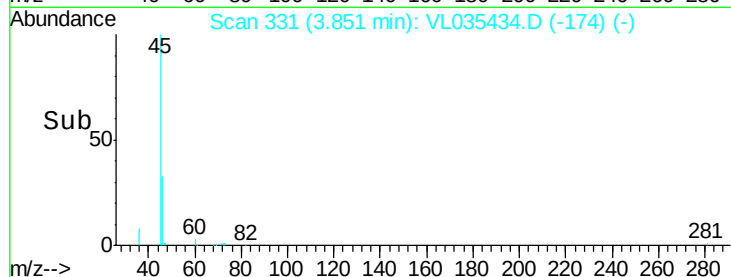
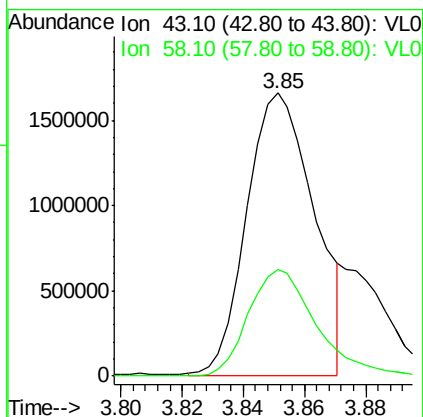
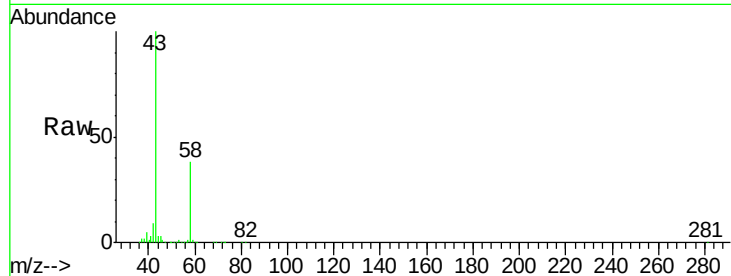
Ion Ratio Lower Upper

43 100

58 37.9 21.0 31.6#

Manual Integrations
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#17

tert-Butyl alcohol

Concen: 3.700 ppbv m

RT: 4.36 min Scan# 489

Delta R.T. 0.06 min

Lab File: VL035434.D

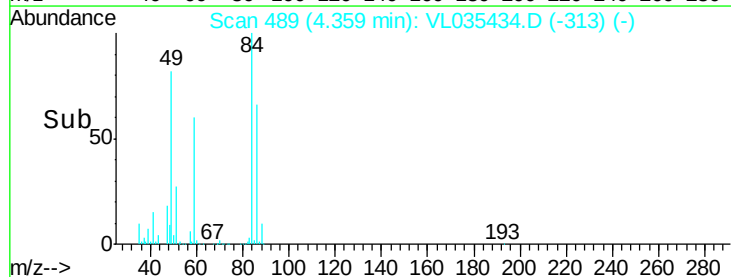
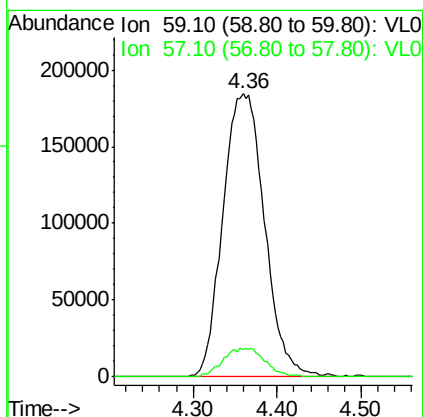
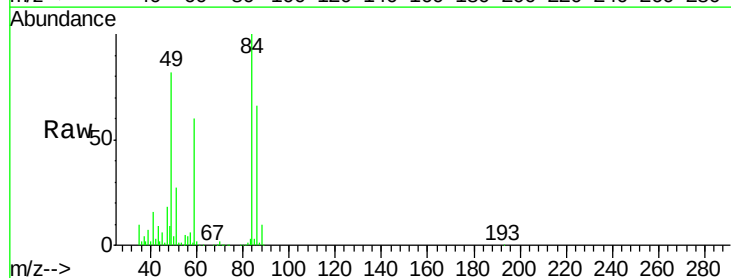
Acq: 18 Aug 2020 2:30

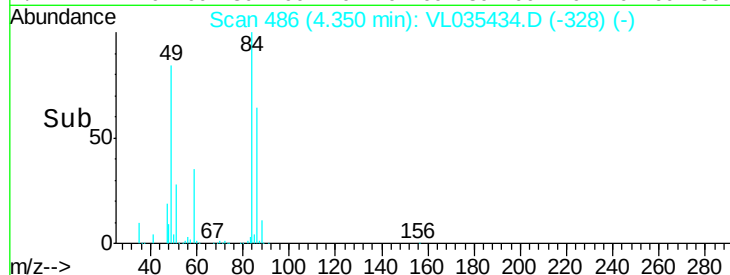
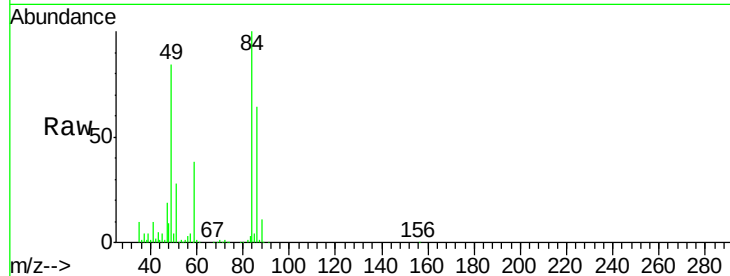
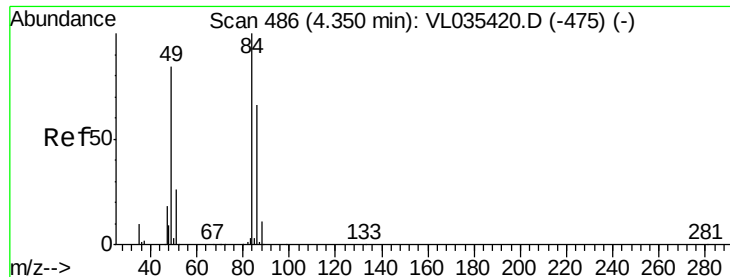
Tgt Ion: 59 Resp: 634692

Ion Ratio Lower Upper

59 100

57 10.4 8.9 13.3





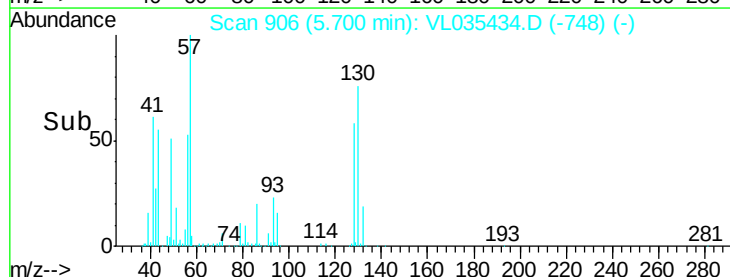
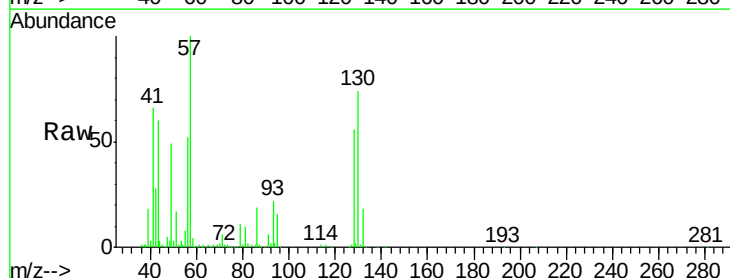
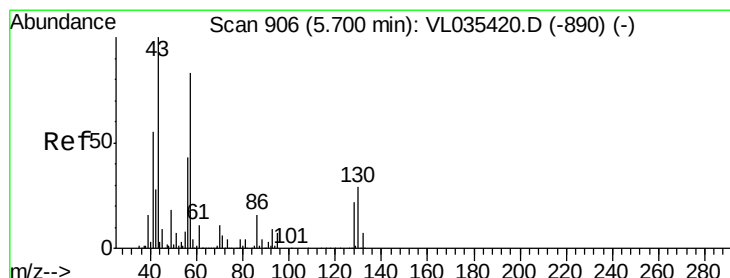
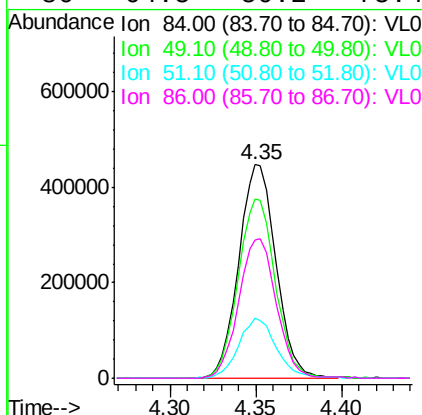
#20
Methvlene Chloride
Concen: 6.240 ppbv
RT: 4.35 min Scan# 486
Delta R.T. 0.01 min
Lab File: VL035434.D
Acq: 18 Aug 2020 2:30

Tot Ion	Ratio	Resp	Lower	Upper
84	100	668184		
49	83.8	118.6	177.8#	
51	28.3	36.4	54.6#	
86	64.5	50.2	75.4	

Instrument :
MSVOA_L
ClientSampleId :
DR-1

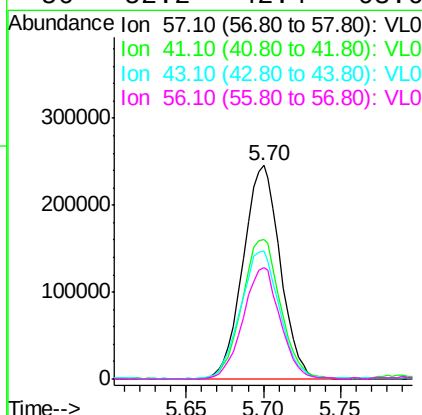
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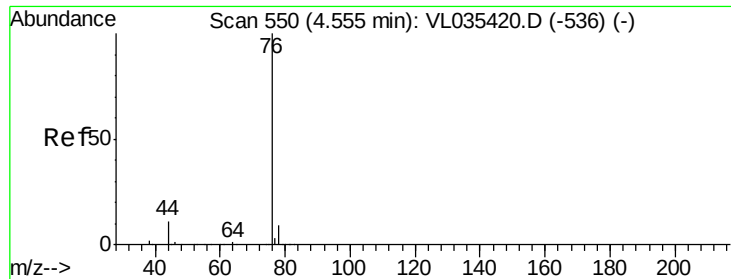
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#26
Hexane
Concen: 2.820 ppbv
RT: 5.70 min Scan# 906
Delta R.T. 0.01 min
Lab File: VL035434.D
Acq: 18 Aug 2020 2:30

Tgt Ion	Ratio	Resp	Lower	Upper
57	100	410926		
41	68.0	75.5	113.3#	
43	62.4	181.7	272.5#	
56	52.2	42.4	63.6	





#27

Carbon Disulfide

Concen: 0.584 ppbv

RT: 4.56 min Scan# 551

Delta R.T. 0.01 min

Lab File: VL035434.D

Acq: 18 Aug 2020 2:30

Instrument :

MSVOA_L

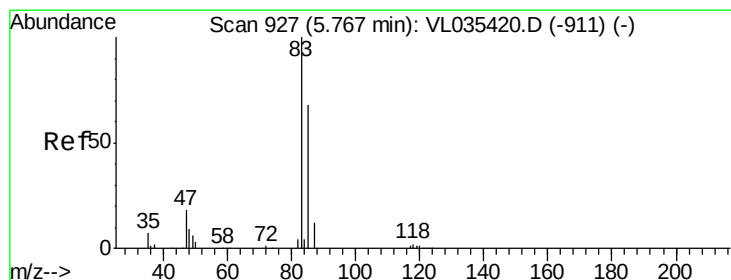
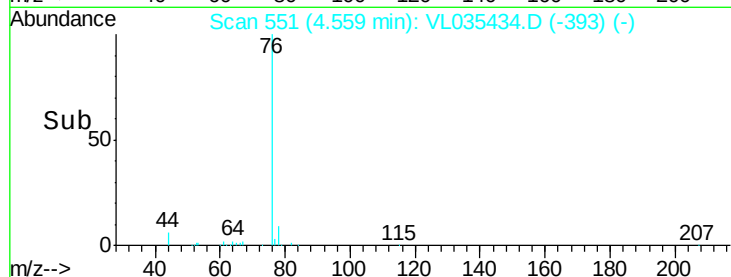
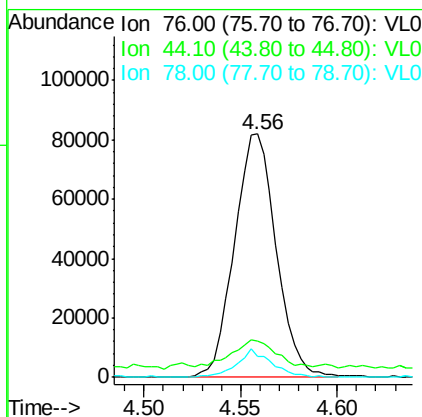
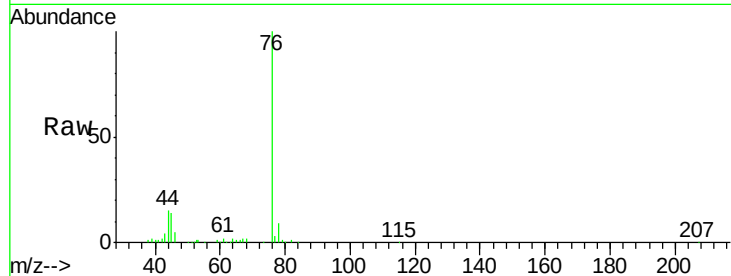
ClientSampled :

DR-1

Tot Ion:	76	Resp:	123114
Ion Ratio	Lower	Upper	
76	100		
44	15.2	16.8	25.2#
78	10.0	7.3	10.9

Manual Integrations
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8/20/2020 11:06:03 AM



#29

Chloroform

Concen: 0.207 ppbv

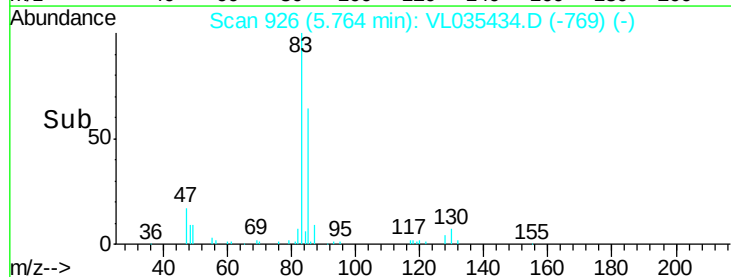
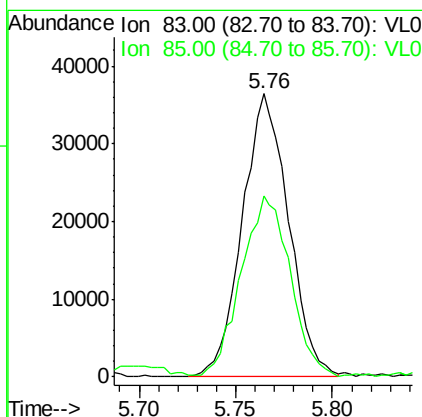
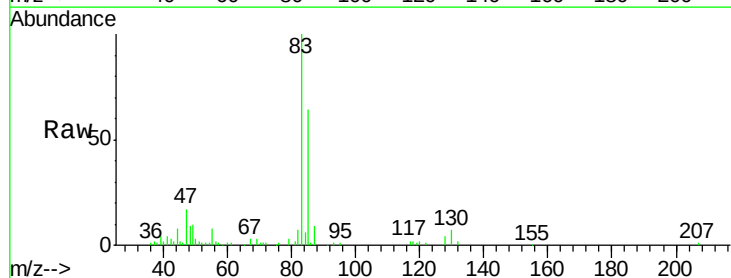
RT: 5.76 min Scan# 926

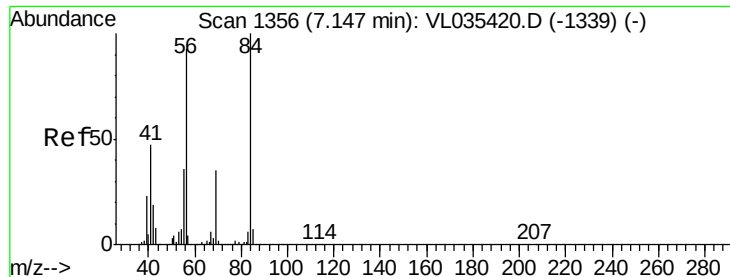
Delta R.T. 0.00 min

Lab File: VL035434.D

Acq: 18 Aug 2020 2:30

Tgt Ion:	83	Resp:	60607
Ion Ratio	Lower	Upper	
83	100		
85	63.9	52.7	79.1





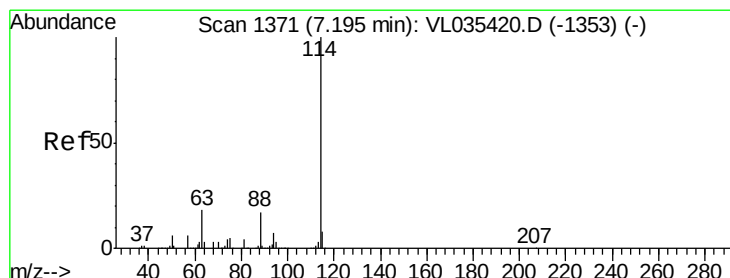
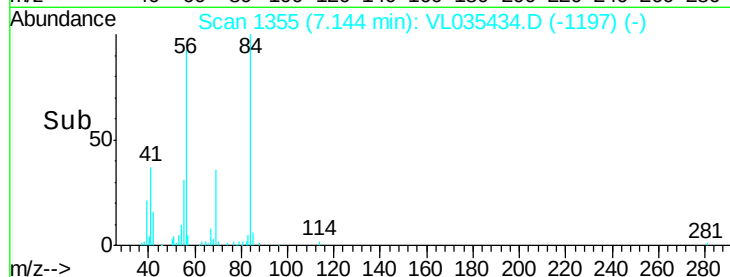
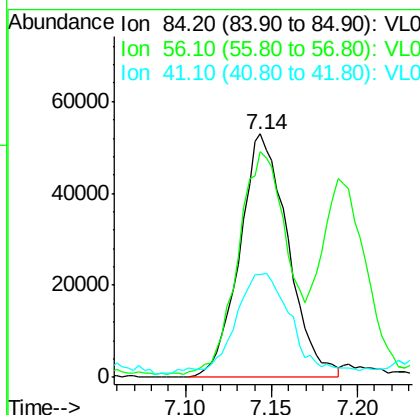
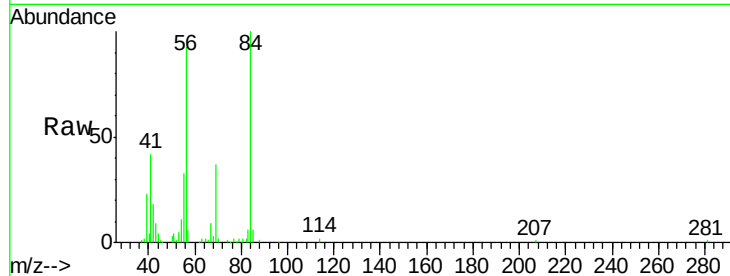
#30
Cyclohexane
Concen: 0.638 ppbv
RT: 7.14 min Scan# 1355
Delta R.T. 0.01 min
Lab File: VL035434.D
Acq: 18 Aug 2020 2:30

Instrument :
MSVOA_L
ClientSampleId :
DR-1

Tot Ion	Ratio	Lower	Upper
84	100		
56	91.8	114.9	172.3#
41	48.9	72.3	108.5#

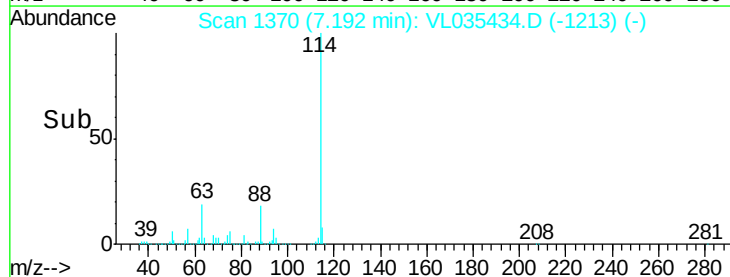
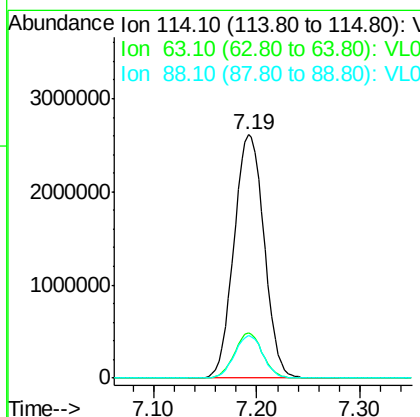
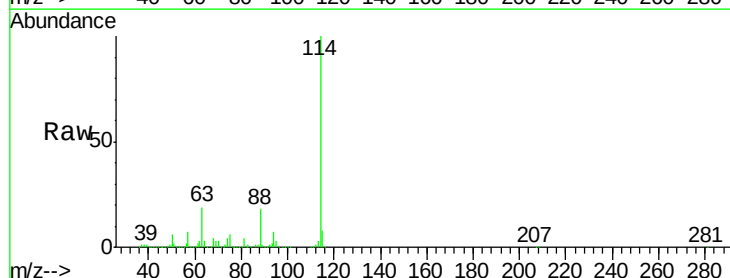
Manual Integrations
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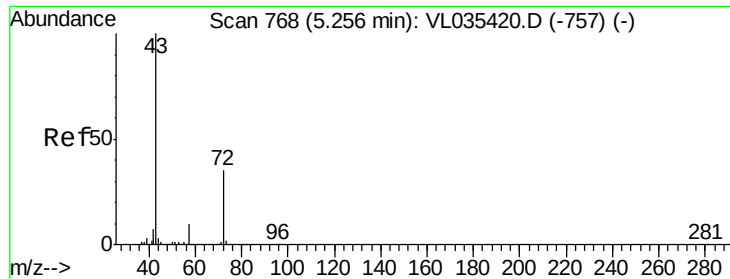
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#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.19 min Scan# 1370
Delta R.T. 0.00 min
Lab File: VL035434.D
Acq: 18 Aug 2020 2:30

Tgt Ion	Ratio	Lower	Upper
114	100		
63	17.4	23.1	34.7#
88	16.5	15.9	23.9





#34

2-Butanone

Concen: 1.436 ppbv

RT: 5.26 min Scan# 769

Delta R.T. 0.01 min

Lab File: VL035434.D

Acq: 18 Aug 2020 2:30

Instrument :

MSVOA_L

ClientSampleId :

DR-1

Tot Ion: 43 Resp: 254822

Ion Ratio Lower Upper

43 100

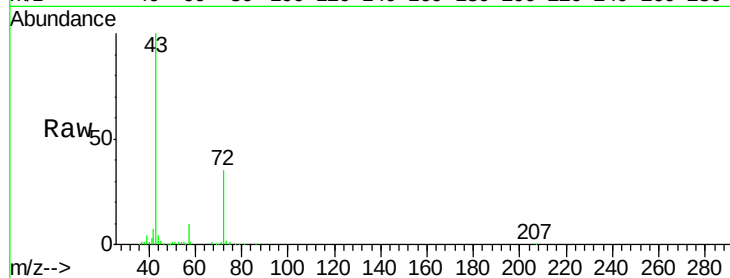
72 35.2 17.6 26.4#

Manual Integrations

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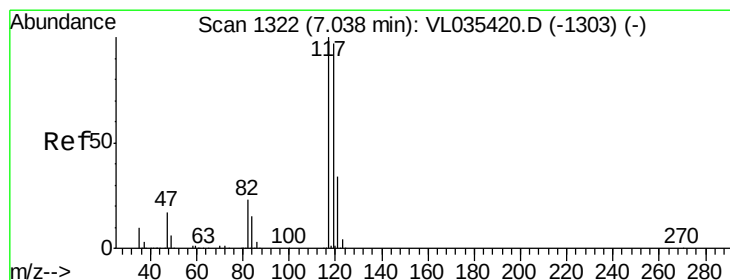
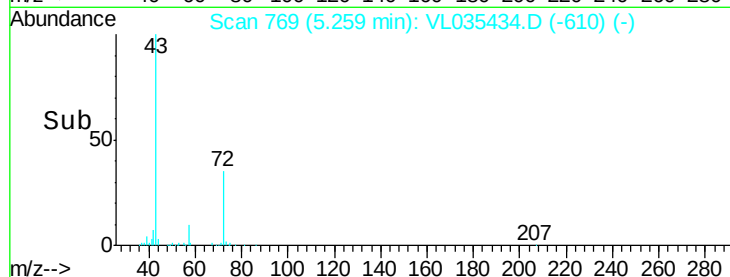
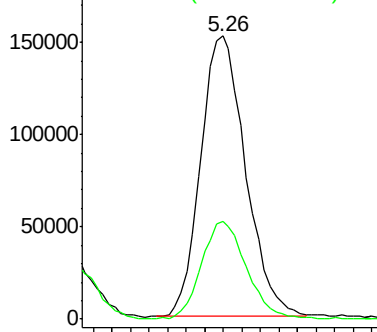
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Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 72.10 (71.80 to 72.80): VL0



#35

Carbon Tetrachloride

Concen: 0.083 ppbv

RT: 7.03 min Scan# 1321

Delta R.T. 0.01 min

Lab File: VL035434.D

Acq: 18 Aug 2020 2:30

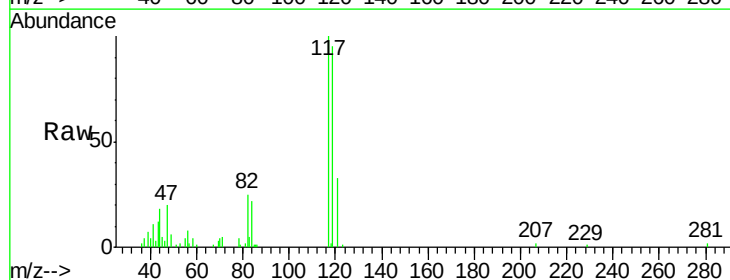
Tgt Ion: 117 Resp: 23446

Ion Ratio Lower Upper

117 100

119 96.6 76.1 114.1

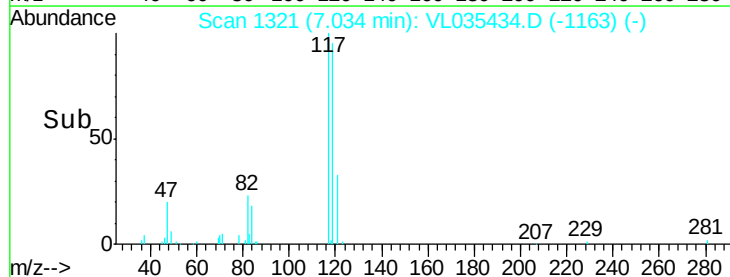
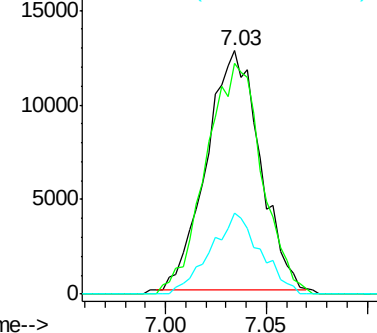
121 33.8 25.5 38.3

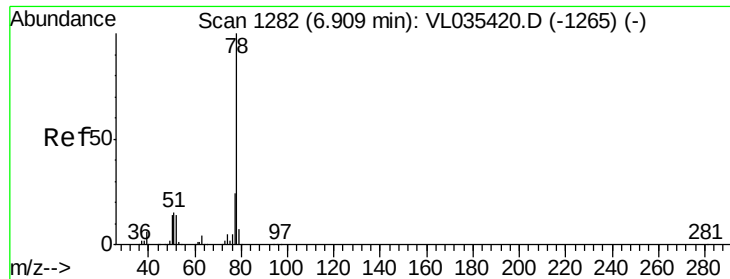


Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V





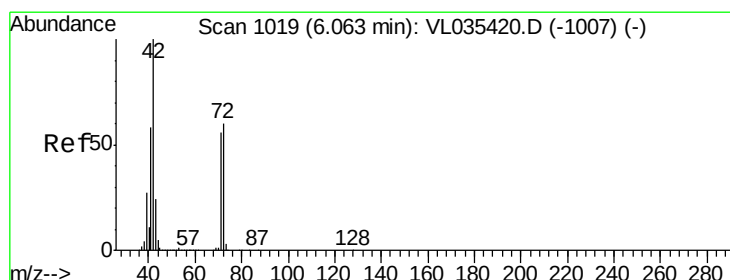
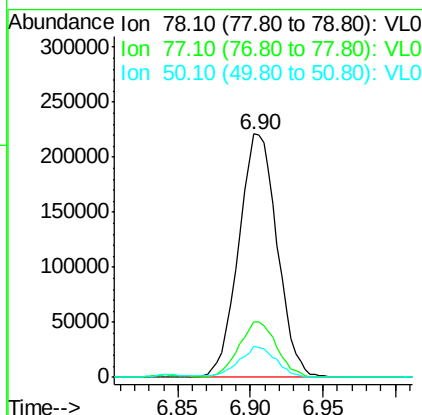
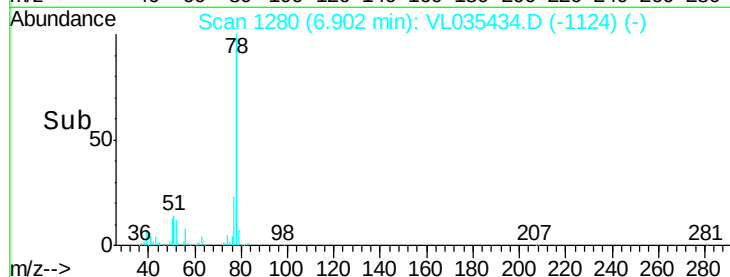
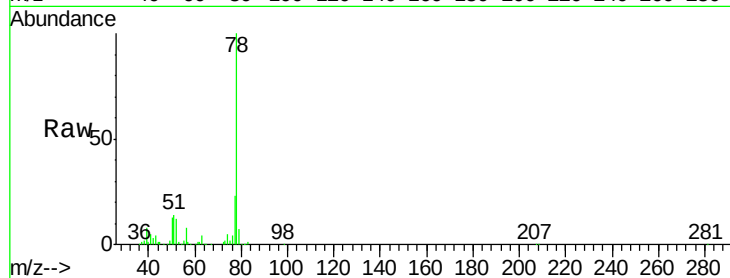
#36
Benzene
Concen: 1.046 ppbv
RT: 6.90 min Scan# 1280
Delta R.T. 0.00 min
Lab File: VL035434.D
Acq: 18 Aug 2020 2:30

Instrument :
MSVOA_L
ClientSampled :
DR-1

Tot Ion	Ratio	Lower	Upper
78	100		
77	22.9	19.6	29.4
50	12.7	16.3	24.5#

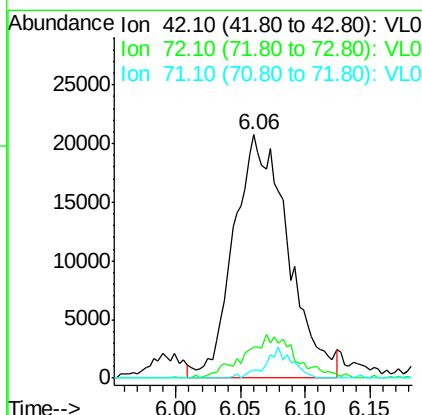
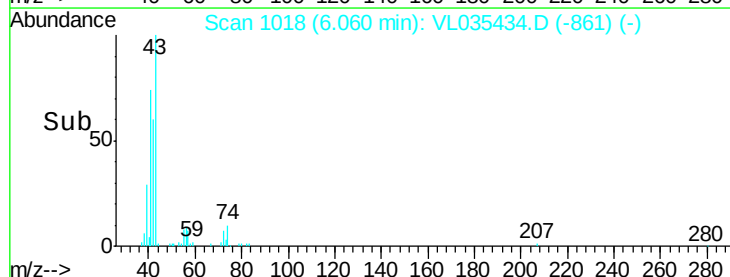
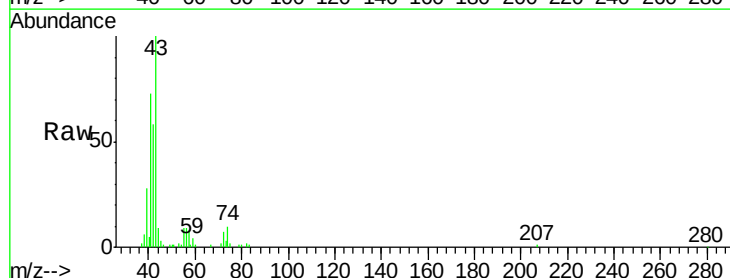
Manual Integrations
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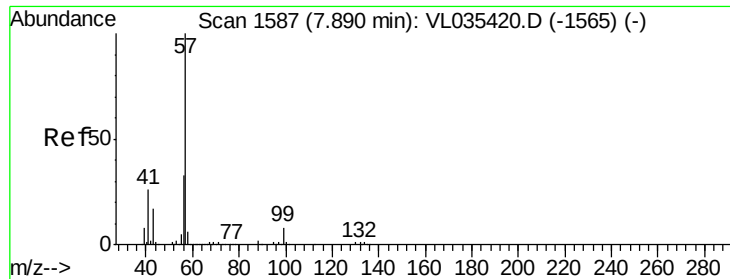
MMDadoda
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#41
Tetrahydrofuran
Concen: 0.619 ppbv m
RT: 6.06 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VL035434.D
Acq: 18 Aug 2020 2:30

Tgt Ion	Ratio	Lower	Upper
42	100		
72	0.0	29.4	44.2#
71	0.0	28.9	43.3#





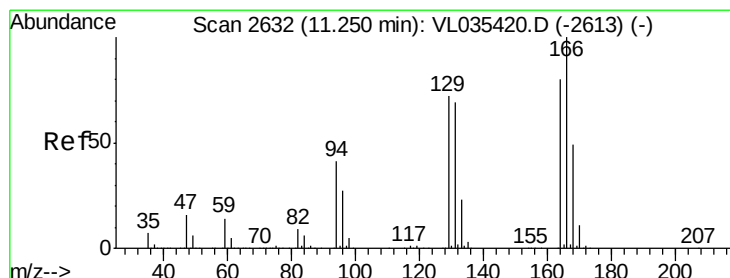
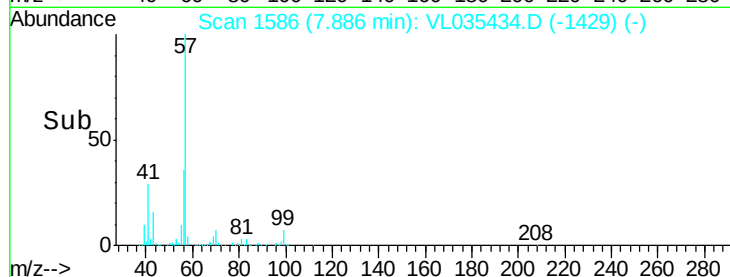
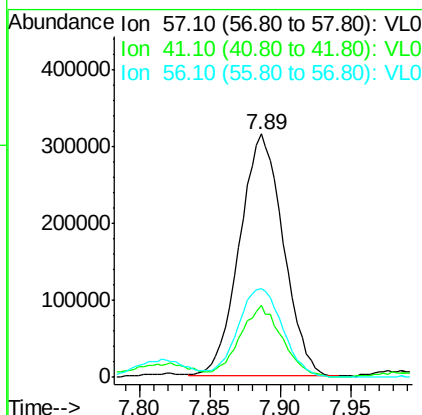
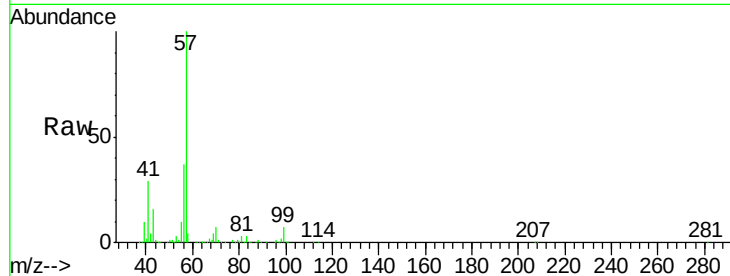
#44
2,2,4-Trimethylpentane
Concen: 1.344 ppbv
RT: 7.89 min Scan# 1586
Delta R.T. 0.00 min
Lab File: VL035434.D
Acq: 18 Aug 2020 2:30

Instrument :
MSVOA_L
ClientSampleId :
DR-1

Tot Ion	Ratio	Lower	Upper
57	100		
41	28.6	27.2	40.8
56	38.2	25.4	38.0#

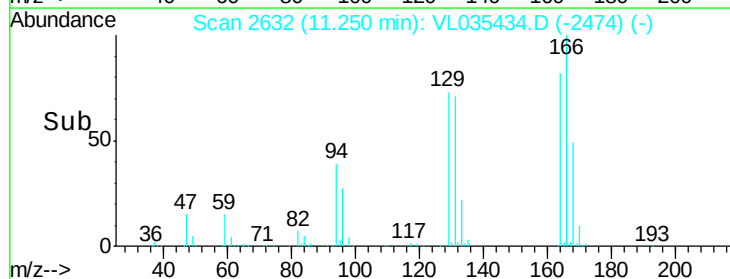
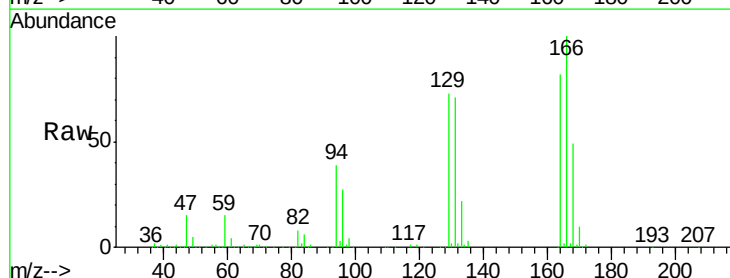
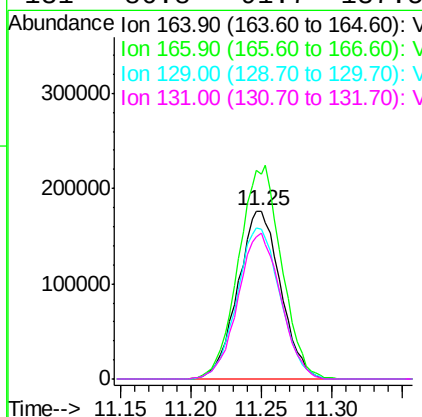
Manual Integrations
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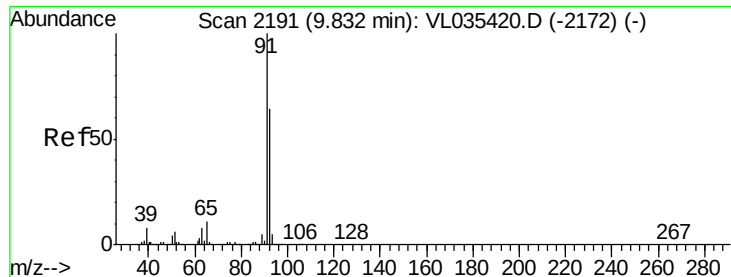
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#52
Tetrachloroethene
Concen: 1.569 ppbv
RT: 11.25 min Scan# 2632
Delta R.T. 0.01 min
Lab File: VL035434.D
Acq: 18 Aug 2020 2:30

Tgt Ion	Ratio	Lower	Upper
164	100		
166	121.9	103.4	155.0
129	88.5	90.2	135.4#
131	86.8	91.7	137.5#





#53

Toluene

Concen: 6.019 ppbv

RT: 9.83 min Scan# 2190

Delta R.T. 0.01 min

Lab File: VL035434.D

Acq: 18 Aug 2020 2:30

Instrument :

MSVOA_L

ClientSampled :

DR-1

Tot Ion: 91 Resp: 3021164

Ion Ratio Lower Upper

91 100

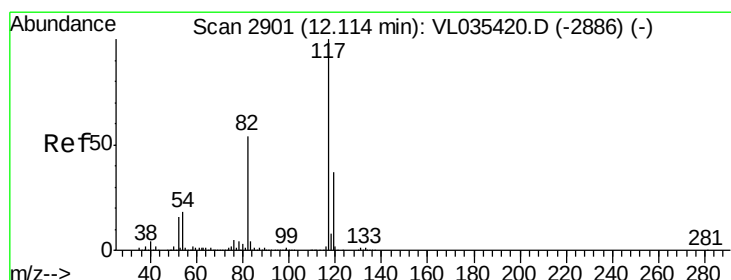
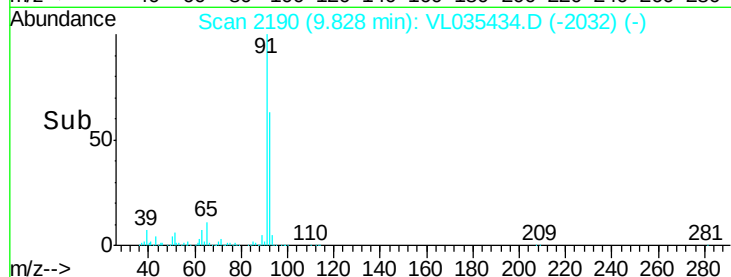
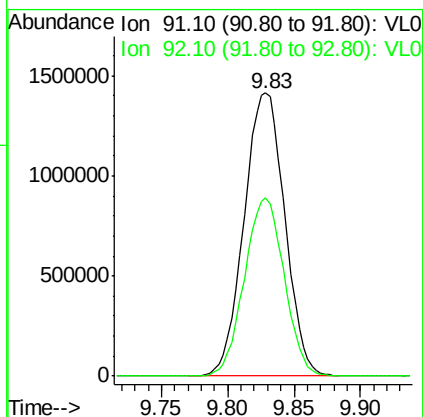
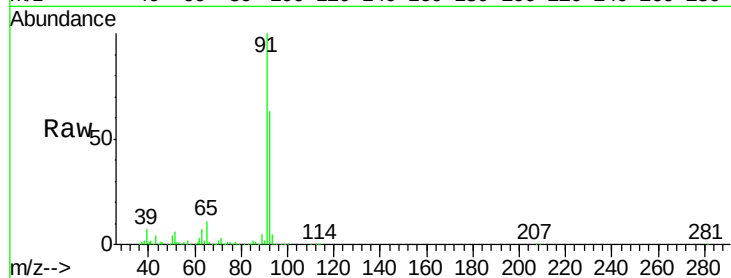
92 61.6 49.1 73.7

Manual Integrations

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#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.11 min Scan# 2901

Delta R.T. 0.01 min

Lab File: VL035434.D

Acq: 18 Aug 2020 2:30

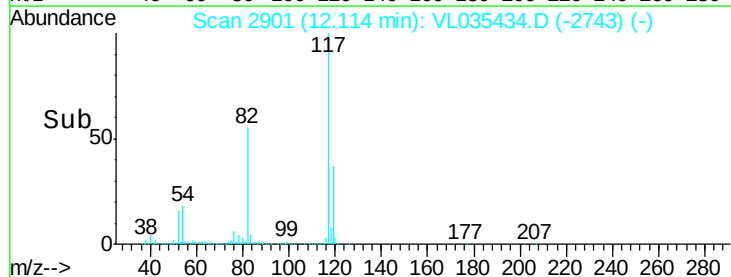
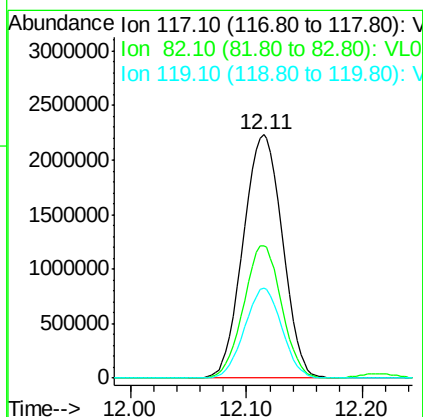
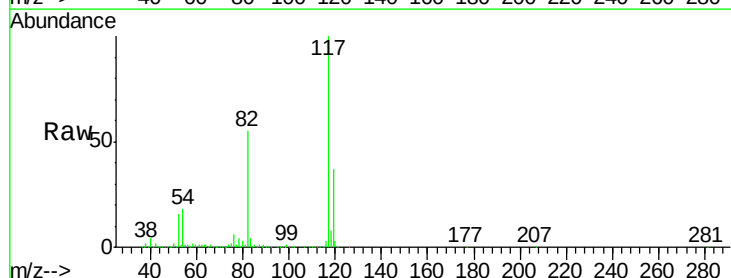
Tgt Ion: 117 Resp: 5259706

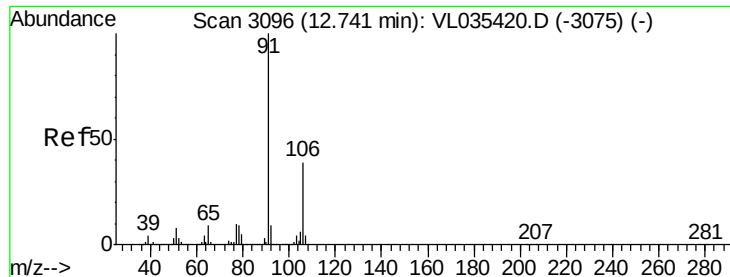
Ion Ratio Lower Upper

117 100

82 52.6 57.4 86.0#

119 35.2 28.4 42.6





#58

Ethyl Benzene

Concen: 2.886 ppbv

RT: 12.74 min Scan# 3096

Delta R.T. 0.01 min

Lab File: VL035434.D

Acq: 18 Aug 2020 2:30

Instrument :

MSVOA_L

ClientSampled :

DR-1

Tot Ion: 91 Resp: 1832320

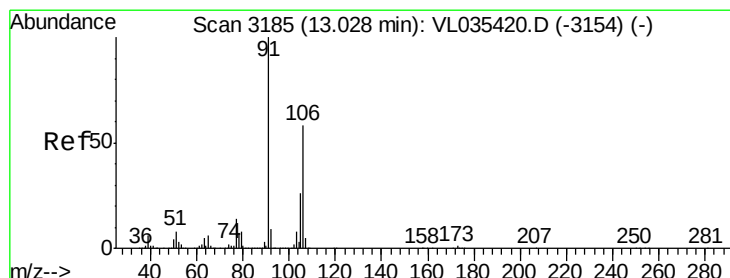
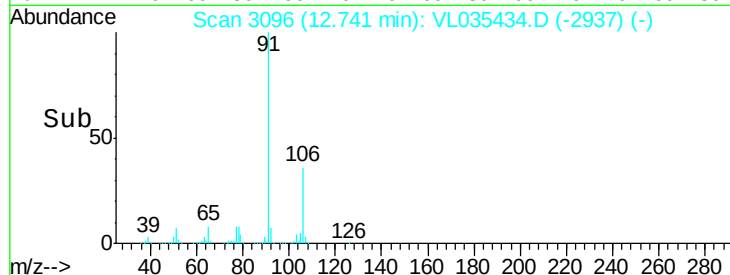
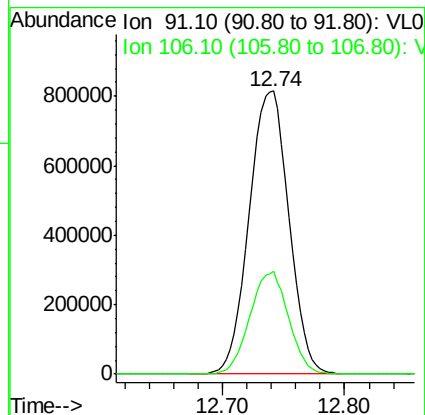
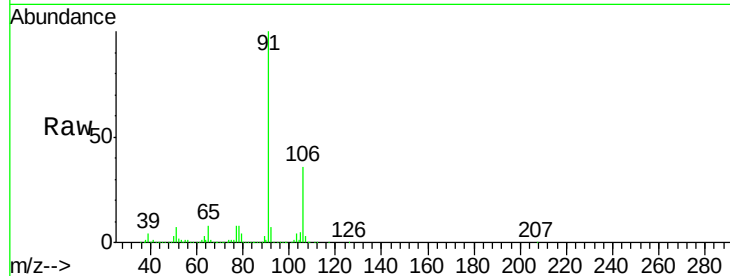
Ion Ratio Lower Upper

91 100

106 36.2 24.1 36.1#

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#59

m/p-Xylene

Concen: 9.271 ppbv

RT: 13.00 min Scan# 3175

Delta R.T. -0.03 min

Lab File: VL035434.D

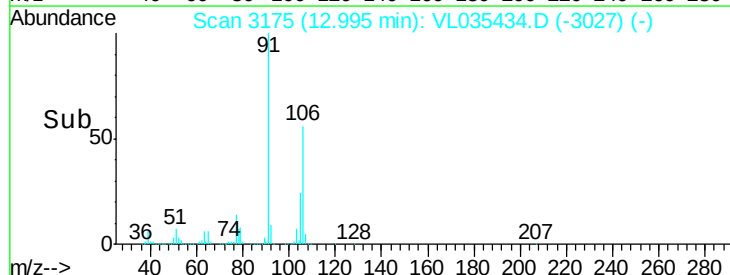
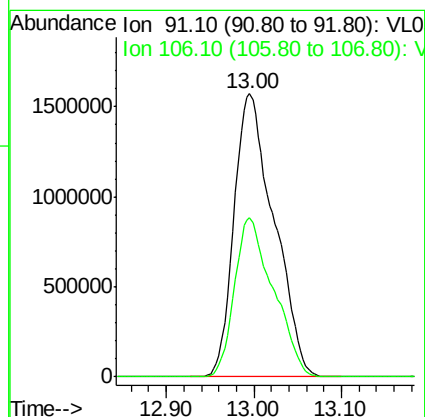
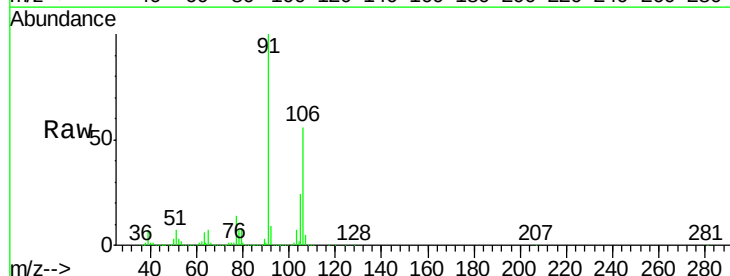
Acq: 18 Aug 2020 2:30

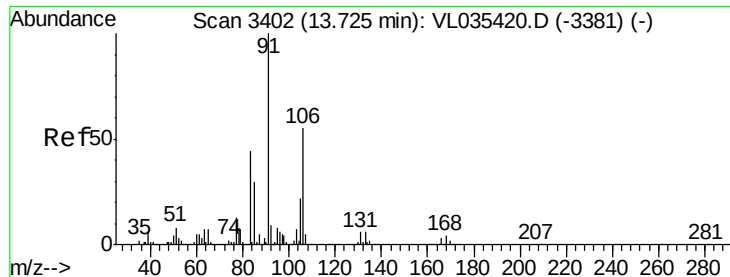
Tgt Ion: 91 Resp: 4975855

Ion Ratio Lower Upper

91 100

106 54.7 34.0 51.0#





#60

o-Xylene

Concen: 4.405 ppbv

RT: 13.72 min Scan# 3400

Delta R.T. 0.00 min

Lab File: VL035434.D

Acq: 18 Aug 2020 2:30

Instrument :

MSVOA_L

ClientSampled :

DR-1

Tot Ion: 91 Resp: 2297777

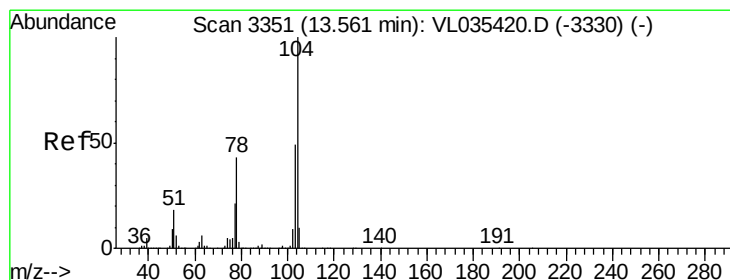
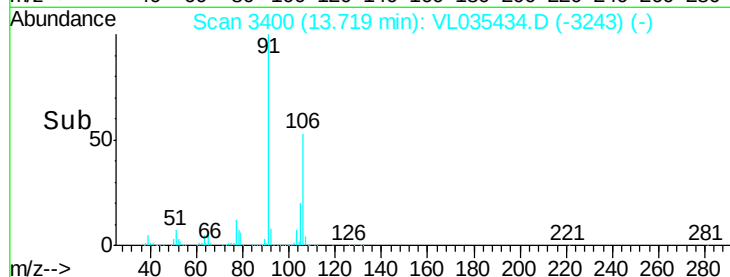
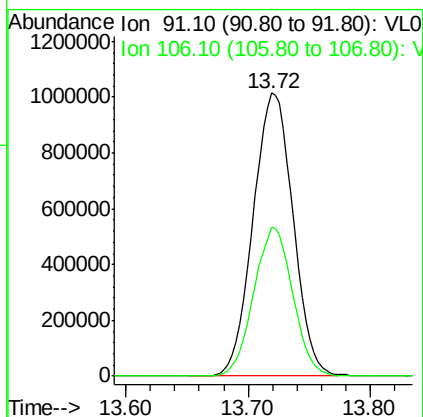
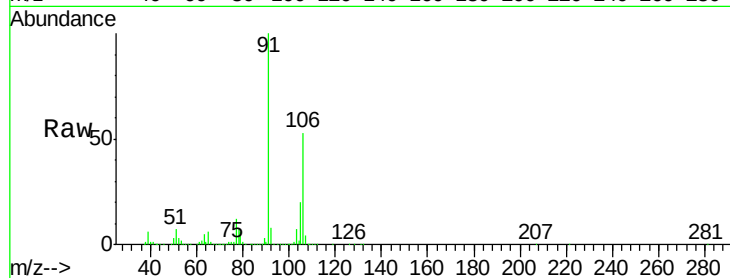
Ion Ratio Lower Upper

91 100

106 51.6 21.8 65.3

Manual Integrations
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#61

Styrene

Concen: 0.117 ppbv

RT: 13.55 min Scan# 3349

Delta R.T. 0.00 min

Lab File: VL035434.D

Acq: 18 Aug 2020 2:30

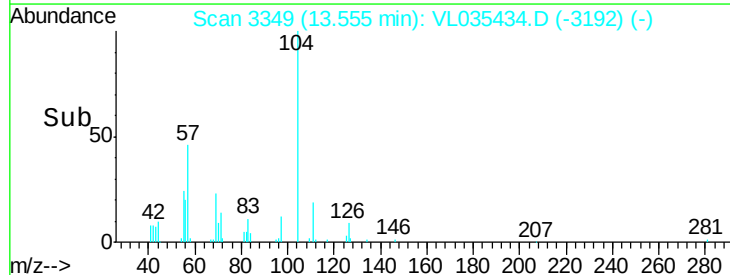
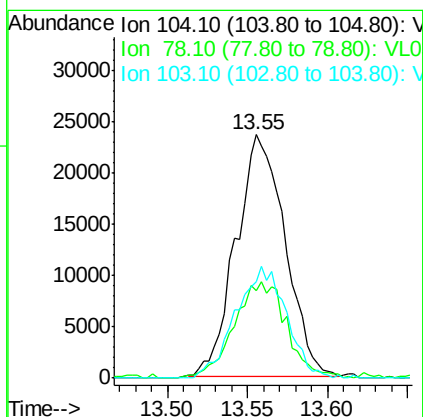
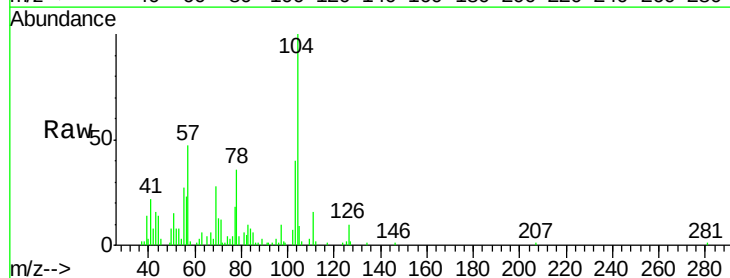
Tgt Ion: 104 Resp: 49377

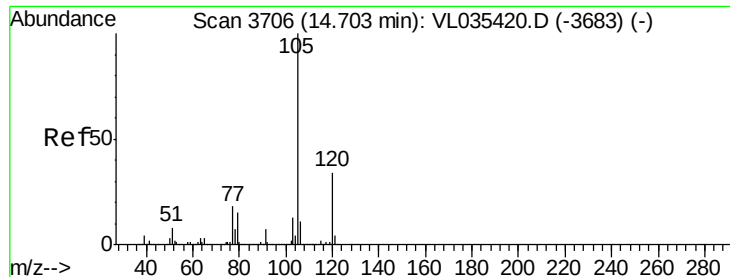
Ion Ratio Lower Upper

104 100

78 42.8 45.4 68.2#

103 47.6 37.8 56.8





#62

Isopropylbenzene

Concen: 0.438 ppbv

RT: 14.70 min Scan# 3705

Delta R.T. 0.01 min

Lab File: VL035434.D

Acq: 18 Aug 2020 2:30

Instrument :

MSVOA_L

ClientSampled :

DR-1

Tot Ion:105 Resp: 374646

Ion Ratio Lower Upper

105 100

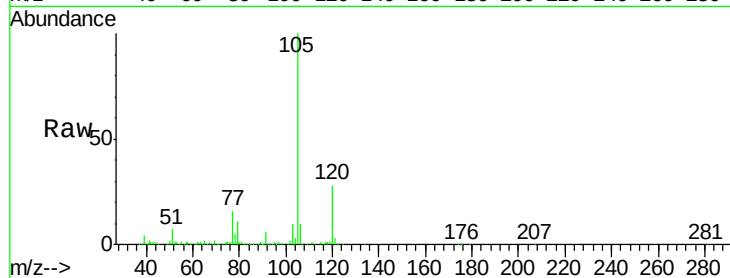
120 27.9 20.3 30.5

Manual Integrations

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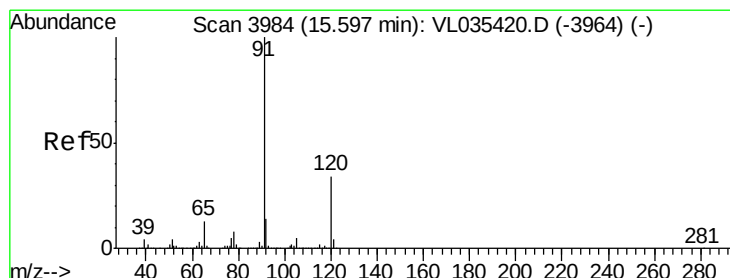
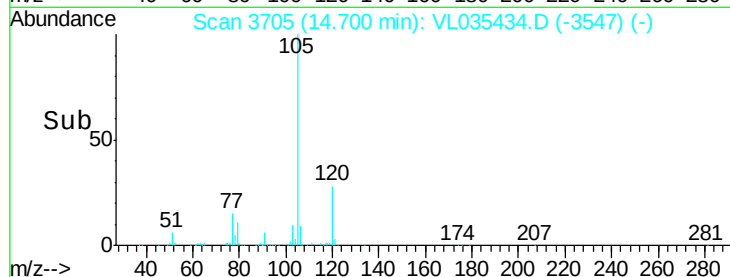
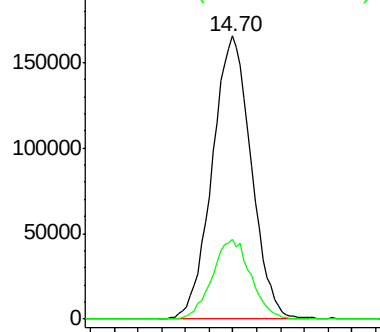
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Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V



#64

n-propylbenzene

Concen: 2.559 ppbv

RT: 15.59 min Scan# 3983

Delta R.T. 0.01 min

Lab File: VL035434.D

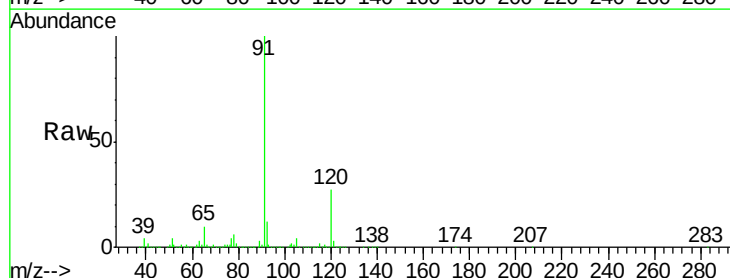
Acq: 18 Aug 2020 2:30

Tgt Ion:120 Resp: 674250

Ion Ratio Lower Upper

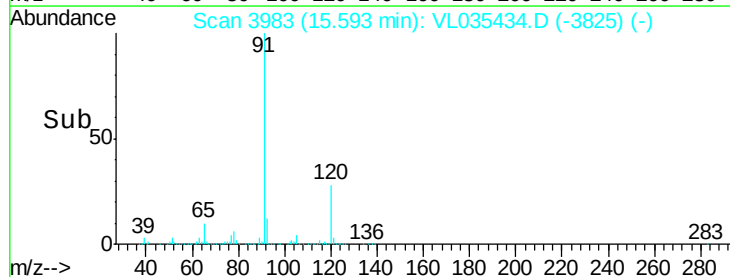
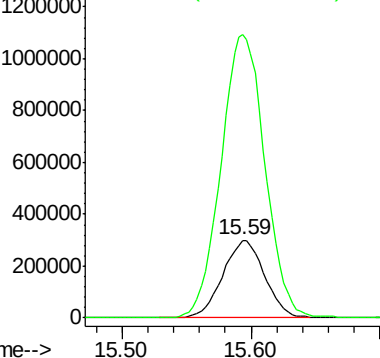
120 100

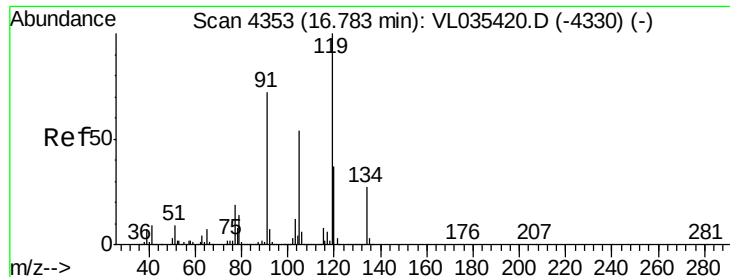
91 383.3 385.5 578.3#



Abundance Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0





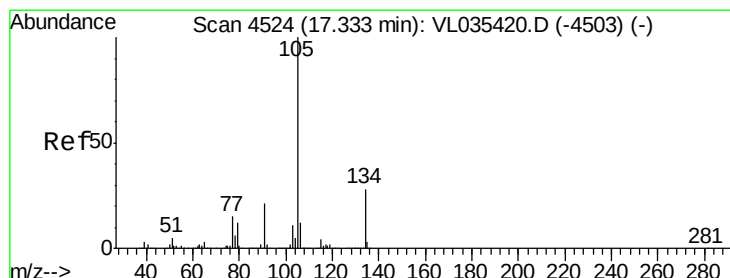
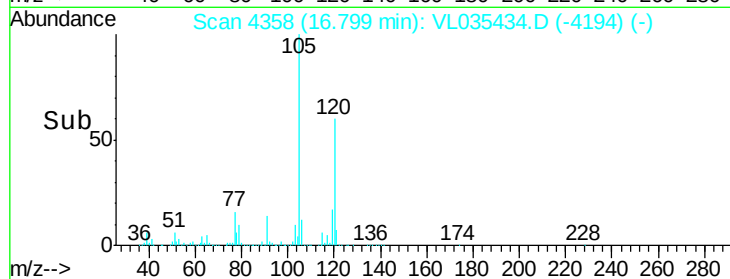
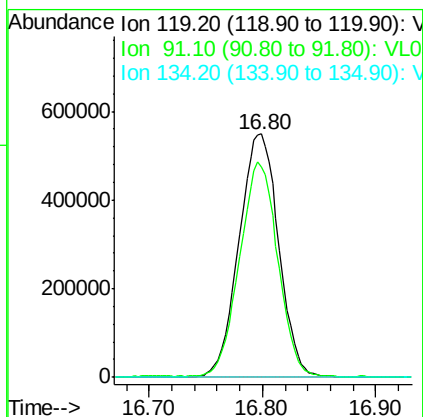
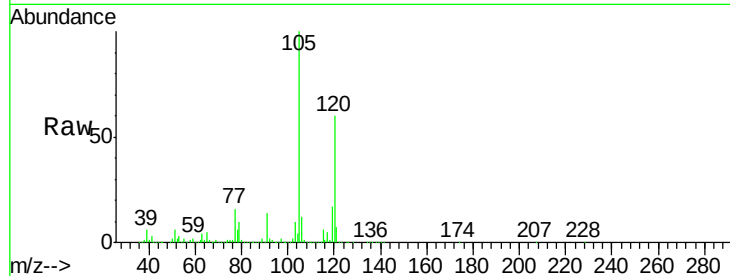
#65
tert-Butylbenzene
Concen: 1.606 ppbv
RT: 16.80 min Scan# 4358
Delta R.T. 0.03 min
Lab File: VL035434.D
Acq: 18 Aug 2020 2:30

Instrument :
MSVOA_L
ClientSampled :
DR-1

Tot Ion	Ratio	Lower	Upper
119	100		
91	85.2	72.0	108.0
134	0.2	15.7	23.5#

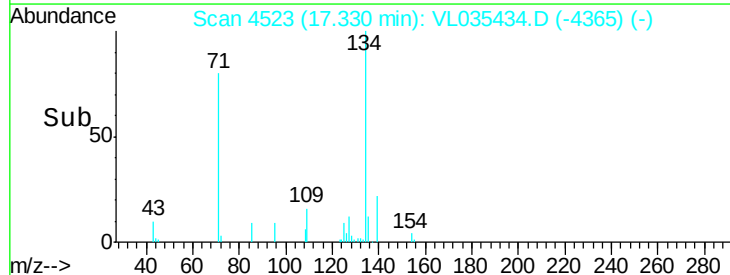
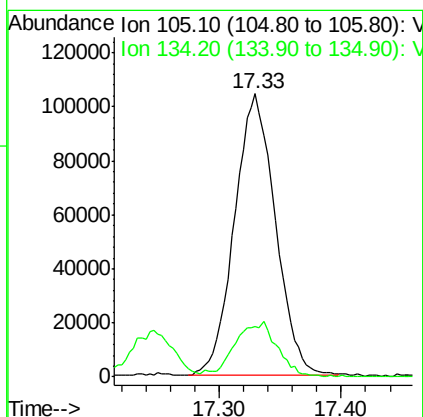
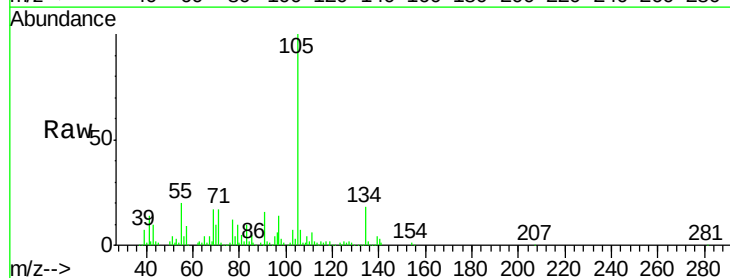
Manual Integrations
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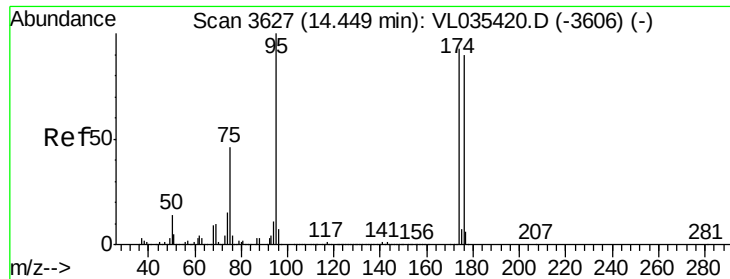
MMDadoda
8/20/2020 11:06:03 AM



#67
sec-Butylbenzene
Concen: 0.222 ppbv
RT: 17.33 min Scan# 4523
Delta R.T. 0.01 min
Lab File: VL035434.D
Acq: 18 Aug 2020 2:30

Tgt Ion	Ratio	Lower	Upper
105	100		
134	20.5	14.1	21.1





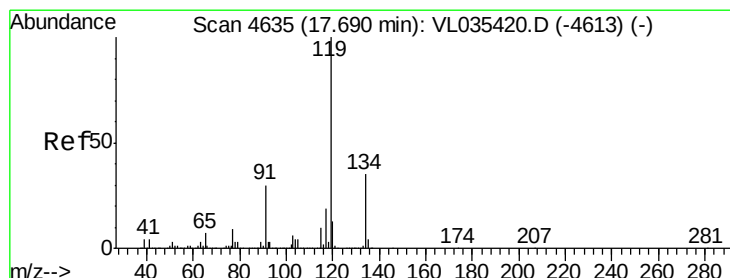
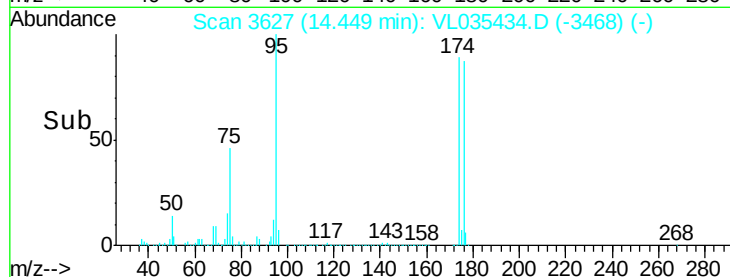
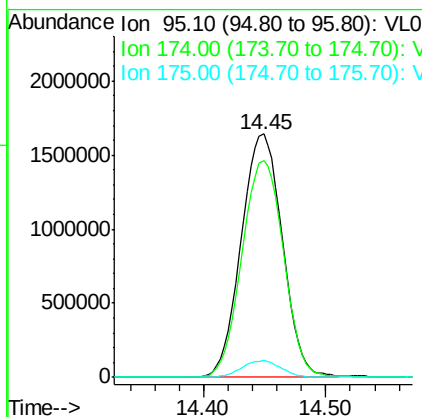
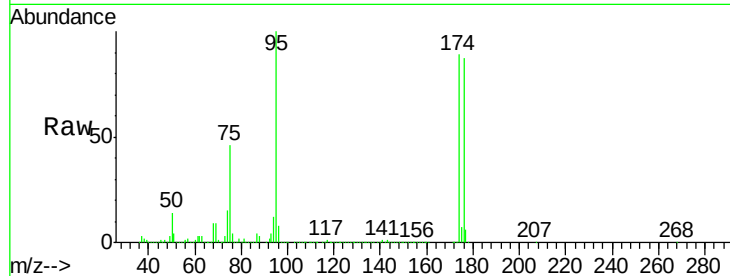
#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.378 ppbv
 RT: 14.45 min Scan# 3627
 Delta R.T. 0.01 min
 Lab File: VL035434.D
 Acq: 18 Aug 2020 2:30

Instrument :
 MSVOA_L
 ClientSampled :
 DR-1

Tot Ion: 95 Resp: 3821361
 Ion Ratio Lower Upper
 95 100
 174 91.1 44.0 66.0#
 175 6.7 3.2 4.8#

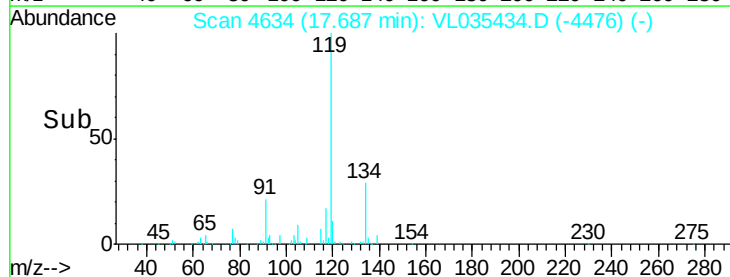
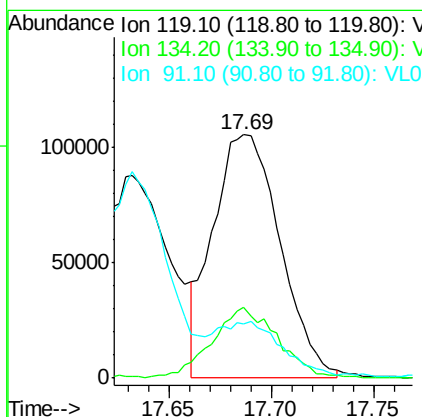
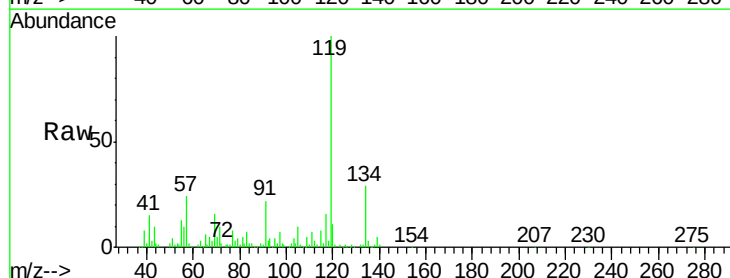
Manual Integrations
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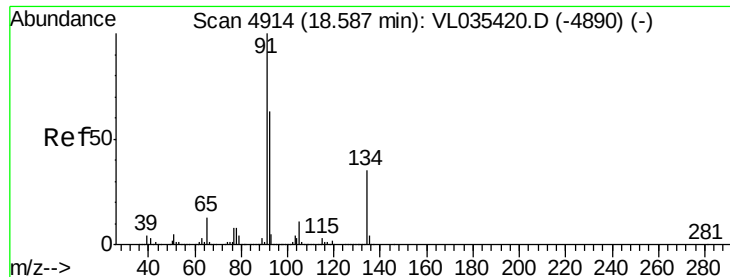
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#69
 p-Isopropyltoluene
 Concen: 0.249 ppbv m
 RT: 17.69 min Scan# 4634
 Delta R.T. 0.01 min
 Lab File: VL035434.D
 Acq: 18 Aug 2020 2:30

Tgt Ion: 119 Resp: 241372
 Ion Ratio Lower Upper
 119 100
 134 49.8 20.6 30.8#
 91 58.3 26.6 39.8#





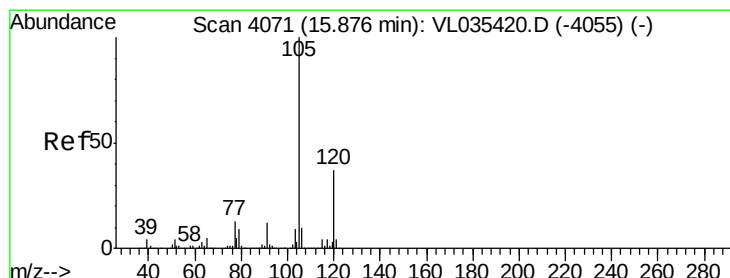
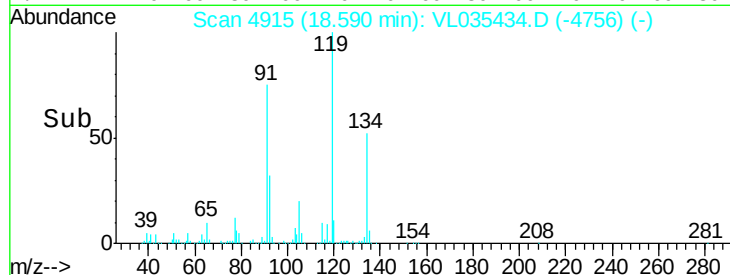
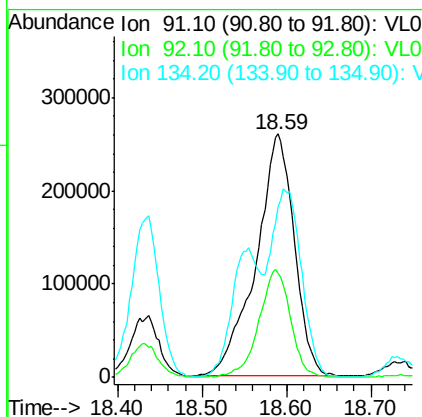
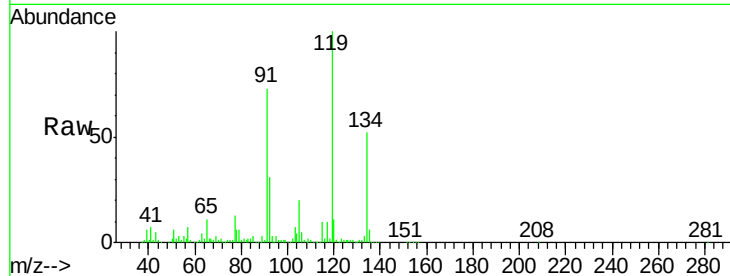
#70
n-Butylbenzene
Concen: 0.895 ppbv
RT: 18.59 min Scan# 4915
Delta R.T. 0.01 min
Lab File: VL035434.D
Acq: 18 Aug 2020 2:30

Instrument :
MSVOA_L
ClientSampled :
DR-1

Tot Ion	Ratio	Resp	Lower	Upper
91	100	819795		
92	36.4	44.8	67.2#	
134	63.5	17.3	25.9#	

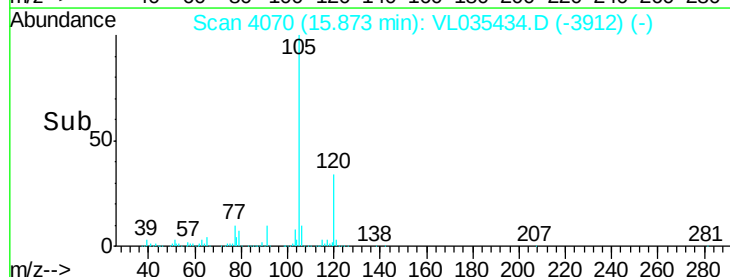
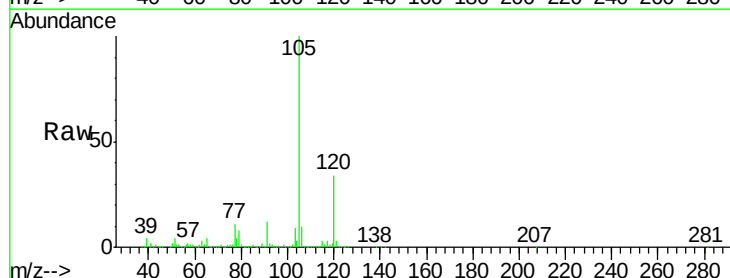
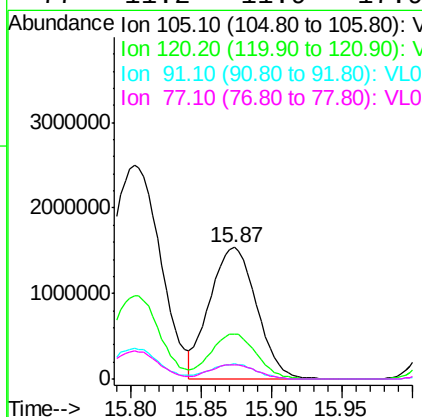
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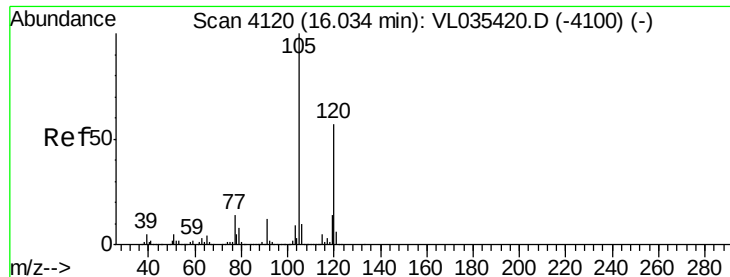
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#72
4-Ethyltoluene
Concen: 5.203 ppbv
RT: 15.87 min Scan# 4070
Delta R.T. 0.01 min
Lab File: VL035434.D
Acq: 18 Aug 2020 2:30

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	3561703		
120	34.4	22.7	34.1#	
91	11.4	10.8	16.2	
77	11.2	11.9	17.9#	





#73

1,3,5-Trimethylbenzene

Concen: 4.626 ppbv

RT: 16.03 min Scan# 4119

Delta R.T. 0.00 min

Lab File: VL035434.D

Acq: 18 Aug 2020 2:30

Instrument :

MSVOA_L

ClientSampled :

DR-1

Tot Ion:105 Resp: 2946626

Ion Ratio Lower Upper

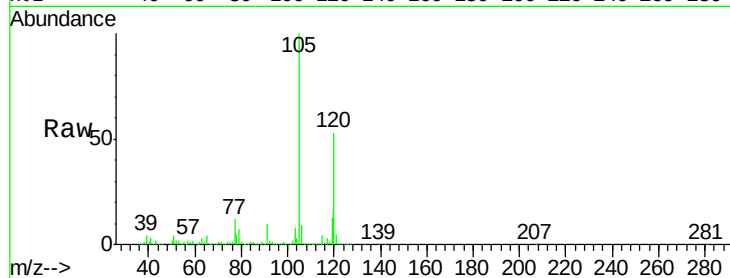
105 100

120 53.5 35.6 53.4#

Manual Integrations
APPROVED

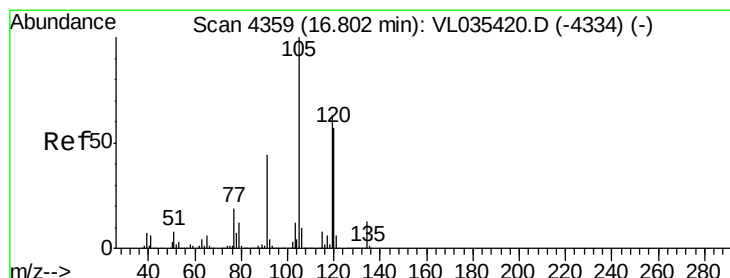
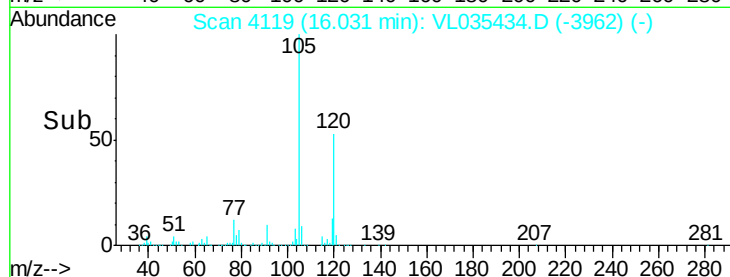
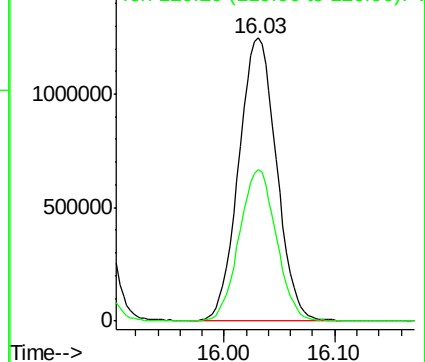
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Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V



#74

1,2,4-Trimethylbenzene

Concen: 13.043 ppbv

RT: 16.80 min Scan# 4357

Delta R.T. 0.00 min

Lab File: VL035434.D

Acq: 18 Aug 2020 2:30

Tgt Ion:105 Resp: 9027409

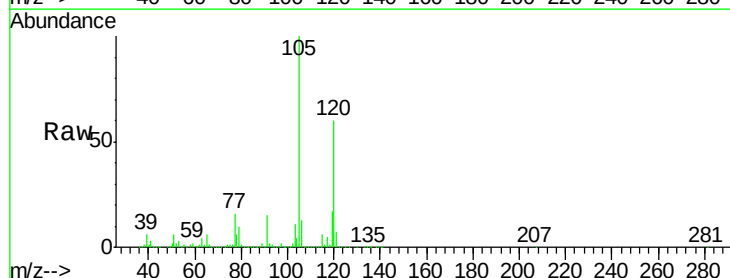
Ion Ratio Lower Upper

105 100

120 60.4 37.8 56.8#

91 14.6 40.0 60.0#

77 15.9 18.8 28.2#

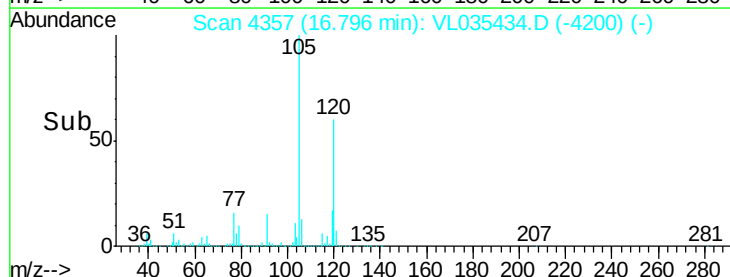
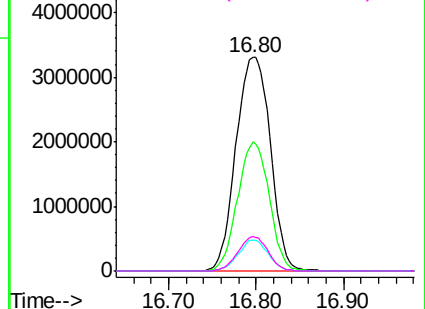


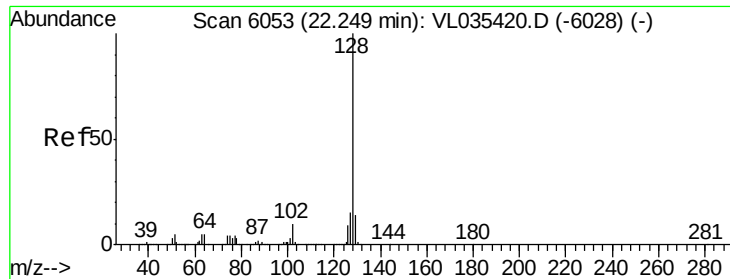
Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 77.10 (76.80 to 77.80): VL0





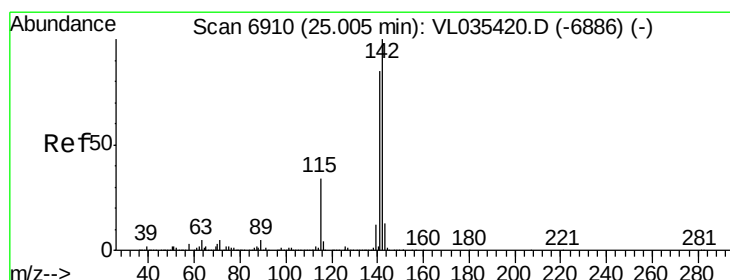
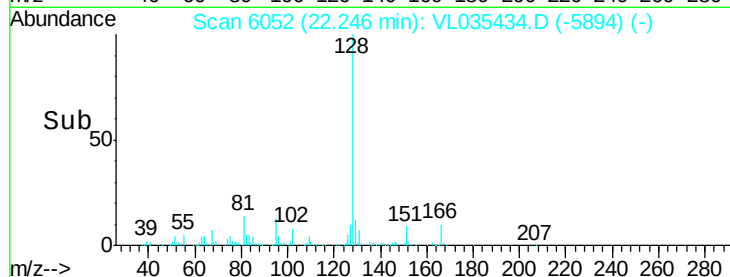
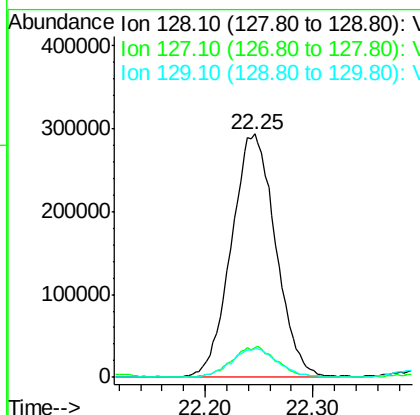
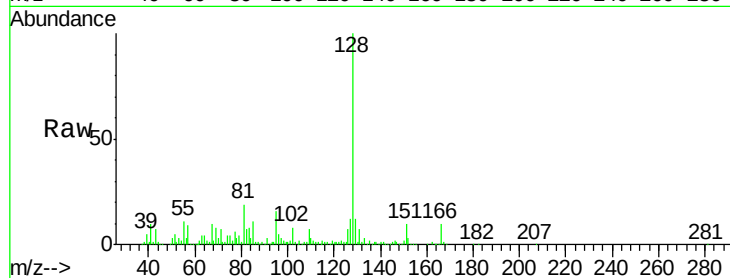
#79
Naphthalene
Concen: 0.853 ppbv
RT: 22.25 min Scan# 6052
Delta R.T. 0.01 min
Lab File: VL035434.D
Acq: 18 Aug 2020 2:30

Instrument :
MSVOA_L
ClientSampleId :
DR-1

Tot Ion	Ratio	Resp	Lower	Upper
128	100	831209		
127	12.2		11.4	17.0
129	11.8		9.5	14.3

Manual Integrations
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#80
Naphthalene, 2-methyl-
Concen: 0.169 ppbv m
RT: 25.00 min Scan# 6910
Delta R.T. 0.01 min
Lab File: VL035434.D
Acq: 18 Aug 2020 2:30

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	67869		
141	32.0		67.1	100.7#
115	14.2		36.1	54.1#

